TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

ANALYTICAL REPORT

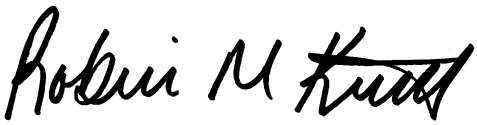
Job Number: 510-70378-1

SDG Number: 0058-373-01

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
10/11/2011 1:53 PM

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Project Manager I
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10/11/2011

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

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

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Job Narrative
510-70378-1

Comments
No additional comments.

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

GC/MS VOA
Method(s) 8260B: Surrogate recovery for the following samples was outside control limits: Foundry Fill #1 (510-70378-1), Foundry Fill #2 (510-70378-2). Re-analysis was performed with concurring results in batch 88716. The original analysis has been reported.

No other analytical or quality issues were noted.

GC/MS Semi VOA
Method(s) 8270C: Internal standard (ISTD) response for Perylene-d12 in the following samples was outside of acceptance limits: Foundry Fill #1 (510-70378-1), Foundry Fill #2 (510-70378-2). The compound associated with this ISTD in these samples, Di-n-octyl phthalate, was non-detect ;therefore, the data has been reported.

Method(s) 8270C: Internal standard (ISTD) response for Perylene-d12 in the laboratory control sample (LCS) was outside of acceptance limits: (LCS 510-87346/2-A). The spike recovery for all compounds, including the affected analyte, were within control limits. The compound associated with this ISTD, Di-n-octyl phthalate, was non-detect in the associated samples ;therefore, the data has been reported.

Method(s) 8270C SIM: Internal standard responses were outside of acceptance limits for the following samples: Foundry Fill #1 (510-70378-1). The samples show evidence of matrix interference.

No other analytical or quality issues were noted.

GC Semi VOA
Method(s) 8015B: The following sample was diluted due to the abundance of target analytes: Foundry Fill #1 (510-70378-1). Elevated reporting limits (RLs) are provided. Prep batch 87418.

No other analytical or quality issues were noted.

Metals
No analytical or quality issues were noted.

General Chemistry
No analytical or quality issues were noted.

Organic Prep
No analytical or quality issues were noted.

VOA Prep
No analytical or quality issues were noted.

GC/MS SEMI VOA MANUAL INTEGRATION SUMMARY

Lab Name: TestAmerica Valparaiso Job No.: 510-70378-1

SDG No.: 0058-373-01

Instrument ID: SMSA Analysis Batch Number: 87354

Lab Sample ID: SSTD005 510-87354/2 IC Client Sample ID:

Date Analyzed: 09/29/11 10:51 Lab File ID: D1601.D GC Column: 8270/625 ID: 0.25(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
1,4-Dioxane	1.80	Assign Peak	squiresb	09/29/11 11:14
Aniline	3.62	Assign Peak	squiresb	09/29/11 11:14
1,4-Dichlorobenzene	3.90	Assign Peak	squiresb	09/29/11 11:14
Bis(2-chloroisopropyl) ether	4.15	Assign Peak	squiresb	09/29/11 11:14
2,4,6-Trichlorophenol	6.07	Assign Peak	squiresb	09/29/11 11:14
3-Nitroaniline	6.87	Assign Peak	squiresb	09/29/11 11:14
2,4-Dinitrophenol	6.97	Assign Peak	squiresb	09/29/11 11:14
4-Nitrophenol	7.07	Assign Peak	squiresb	09/29/11 11:14
4-Nitroaniline	7.49	Assign Peak	squiresb	09/29/11 11:14
Benzo[b]fluoranthene	11.23	Assign Peak	squiresb	09/29/11 11:14
Benzo[k]fluoranthene	11.25	Assign Peak	squiresb	09/29/11 11:14

Lab Sample ID: SSTD010 510-87354/3 IC Client Sample ID:

Date Analyzed: 09/29/11 11:10 Lab File ID: D1602.D GC Column: 8270/625 ID: 0.25(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Aniline	3.62	Assign Peak	squiresb	09/29/11 11:42
Bis(2-chloroisopropyl) ether	4.15	Assign Peak	squiresb	09/29/11 11:42
3-Nitroaniline	6.87	Assign Peak	squiresb	09/29/11 11:42
Benzo[k]fluoranthene	11.25	Assign Peak	squiresb	09/29/11 11:42

GC/MS SEMI VOA MANUAL INTEGRATION SUMMARY

Lab Name: TestAmerica Valparaiso Job No.: 510-70378-1

SDG No.: 0058-373-01

Instrument ID: SMSA Analysis Batch Number: 87354

Lab Sample ID: SSTD020 510-87354/4 IC Client Sample ID:

Date Analyzed: 09/29/11 11:29 Lab File ID: D1603.D GC Column: 8270/625 ID: 0.25(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Aniline	3.62	Assign Peak	squiresb	09/29/11 11:57
Bis(2-chloroisopropyl) ether	4.15	Assign Peak	squiresb	09/29/11 11:57
3-Nitroaniline	6.87	Assign Peak	squiresb	09/29/11 11:57
Benzidine	9.40	Assign Peak	squiresb	09/29/11 11:57
Benzo[k]fluoranthene	11.26	Assign Peak	squiresb	09/29/11 11:57

Lab Sample ID: SSTD030 510-87354/5 IC Client Sample ID:

Date Analyzed: 09/29/11 11:48 Lab File ID: D1604.D GC Column: 8270/625 ID: 0.25(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Aniline	3.63	Assign Peak	squiresb	09/29/11 12:14
Bis(2-chloroisopropyl) ether	4.15	Assign Peak	squiresb	09/29/11 12:14
Benzidine	9.40	Assign Peak	squiresb	09/29/11 12:14
Benzo[b]fluoranthene	11.23	Assign Peak	squiresb	09/29/11 12:14

Lab Sample ID: SSTD040 510-87354/6 IC Client Sample ID:

Date Analyzed: 09/29/11 12:07 Lab File ID: D1605.D GC Column: 8270/625 ID: 0.25(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Bis(2-chloroisopropyl) ether	4.15	Assign Peak	squiresb	09/29/11 13:28
Benzidine	9.40	Baseline	squiresb	09/29/11 13:28
Benzo[b]fluoranthene	11.24	Baseline	squiresb	09/29/11 13:28
Benzo[k]fluoranthene	11.26	Assign Peak	squiresb	09/29/11 13:28

GC/MS SEMI VOA MANUAL INTEGRATION SUMMARY

Lab Name: TestAmerica Valparaiso Job No.: 510-70378-1

SDG No.: 0058-373-01

Instrument ID: SMSA Analysis Batch Number: 87354

Lab Sample ID: SSTD050 510-87354/7 Client Sample ID:

Date Analyzed: 09/29/11 12:26 Lab File ID: D1606.D GC Column: 8270/625 ID: 0.25(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Bis(2-chloroisopropyl) ether	4.15	Assign Peak	squiresb	09/29/11 13:29
Benzidine	9.40	Baseline	squiresb	09/29/11 13:29
Benzo[k]fluoranthene	11.24	Assign Peak	squiresb	09/29/11 13:29

Lab Sample ID: SSTD060 510-87354/8 IC Client Sample ID:

Date Analyzed: 09/29/11 12:46 Lab File ID: D1607.D GC Column: 8270/625 ID: 0.25(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Aniline	3.62	Assign Peak	squiresb	09/29/11 13:30
Bis(2-chloroisopropyl) ether	4.15	Assign Peak	squiresb	09/29/11 13:30
Benzidine	9.40	Baseline	squiresb	09/29/11 13:30
Benzo[b]fluoranthene	11.23	Assign Peak	squiresb	09/29/11 13:30

Lab Sample ID: SSTD080 510-87354/9 IC Client Sample ID:

Date Analyzed: 09/29/11 13:05 Lab File ID: D1608.D GC Column: 8270/625 ID: 0.25(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Aniline	3.62	Assign Peak	squiresb	09/29/11 13:31
Bis(2-chloroisopropyl) ether	4.15	Assign Peak	squiresb	09/29/11 13:31
Benzidine	9.40	Baseline	squiresb	09/29/11 13:31
Benzo[k]fluoranthene	11.24	Assign Peak	squiresb	09/29/11 13:31

GC/MS SEMI VOA MANUAL INTEGRATION SUMMARY

Lab Name: TestAmerica Valparaiso Job No.: 510-70378-1

SDG No.: 0058-373-01

Instrument ID: SMSA Analysis Batch Number: 87354

Lab Sample ID: SSTD100 510-87354/10 IC Client Sample ID:

Date Analyzed: 09/29/11 13:24 Lab File ID: D1609.D GC Column: 8270/625 ID: 0.25(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Aniline	3.63	Assign Peak	squiresb	09/29/11 13:52
Bis(2-chloroisopropyl) ether	4.15	Assign Peak	squiresb	09/29/11 13:52
Benzo[k]fluoranthene	11.24	Assign Peak	squiresb	09/29/11 13:52

Lab Sample ID: SSTD120 510-87354/11 IC Client Sample ID:

Date Analyzed: 09/29/11 13:43 Lab File ID: D1610.D GC Column: 8270/625 ID: 0.25(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Aniline	3.63	Assign Peak	squiresb	09/29/11 15:01
Bis(2-chloroisopropyl) ether	4.15	Assign Peak	squiresb	09/29/11 15:01
Benzidine	9.40	Baseline	squiresb	09/29/11 15:01
3,3'-Dichlorobenzidine	10.38	Baseline	squiresb	09/29/11 15:01

GC/MS SEMI VOA MANUAL INTEGRATION SUMMARY

Lab Name: TestAmerica Valparaiso Job No.: 510-70378-1

SDG No.: 0058-373-01

Instrument ID: SMSA Analysis Batch Number: 87497

Lab Sample ID: SSTD050 510-87497/2 Client Sample ID:

Date Analyzed: 10/01/11 20:40 Lab File ID: D1681.D GC Column: 8270/625 ID: 0.25(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Aniline	3.49	Assign Peak	squiresb	10/01/11 20:58
Bis(2-chloroethyl)ether	3.54	Assign Peak	squiresb	10/01/11 20:58
1,4-Dichlorobenzene-d4	3.74	Baseline	squiresb	10/01/11 20:58
Bis(2-chloroisopropyl) ether	4.02	Assign Peak	squiresb	10/01/11 20:58
4-Nitrophenol	6.92	Assign Peak	squiresb	10/01/11 20:58
Benzidine	9.27	Peak Tail	squiresb	10/01/11 20:58
Benzo[b]fluoranthene	11.04	Assign Peak	squiresb	10/01/11 20:58
Benzo[k]fluoranthene	11.05	Baseline	squiresb	10/01/11 20:58

GC/MS SEMI VOA MANUAL INTEGRATION SUMMARY

Lab Name: TestAmerica Valparaiso Job No.: 510-70378-1

SDG No.: 0058-373-01

Instrument ID: SMSB Analysis Batch Number: 85359

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

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

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

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

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

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

GC/MS SEMI VOA MANUAL INTEGRATION SUMMARY

Lab Name: TestAmerica Valparaiso Job No.: 510-70378-1

SDG No.: 0058-373-01

Instrument ID: SMSB Analysis Batch Number: 85359

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

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

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

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

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

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

GC/MS SEMI VOA MANUAL INTEGRATION SUMMARY

Lab Name: TestAmerica Valparaiso Job No.: 510-70378-1

SDG No.: 0058-373-01

Instrument ID: SMSB Analysis Batch Number: 85359

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

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

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

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

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

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

GC/MS SEMI VOA MANUAL INTEGRATION SUMMARY

Lab Name: TestAmerica Valparaiso Job No.: 510-70378-1

SDG No.: 0058-373-01

Instrument ID: SMSB Analysis Batch Number: 85359

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

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

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

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

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

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

GC/MS SEMI VOA MANUAL INTEGRATION SUMMARY

Lab Name: TestAmerica Valparaiso Job No.: 510-70378-1

SDG No.: 0058-373-01

Instrument ID: SMSB Analysis Batch Number: 87438

Lab Sample ID: SSTD020 510-87438/2 Client Sample ID:

Date Analyzed: 09/30/11 11:55 Lab File ID: C5176.D GC Column: 8270/625 ID: 0.25(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Nitrobenzene-d5	2.21	Assign Peak	squiresb	09/30/11 12:10
Acenaphthene	5.18	Assign Peak	squiresb	09/30/11 12:10
Chrysene	9.79	Assign Peak	squiresb	09/30/11 12:10
Benzo[b]fluoranthene	10.60	Assign Peak	squiresb	09/30/11 12:10
Benzo[k]fluoranthene	10.61	Assign Peak	squiresb	09/30/11 12:10
Benzo[a]pyrene	10.81	Assign Peak	squiresb	09/30/11 12:10
Perylene-d12	10.86	Assign Peak	squiresb	09/30/11 12:10
Dibenz(a,h)anthracene	11.54	Assign Peak	squiresb	09/30/11 12:10

Lab Sample ID: MB 510-87346/1-A Client Sample ID:

Date Analyzed: 09/30/11 12:32 Lab File ID: C5178.D GC Column: 8270/625 ID: 0.25(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Chrysene-d12	9.77	Baseline	squiresb	09/30/11 15:03

Lab Sample ID: LCS 510-87346/2-A Client Sample ID:

Date Analyzed: 09/30/11 12:50 Lab File ID: C5179.D GC Column: 8270/625 ID: 0.25(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Acenaphthene	5.19	Assign Peak	squiresb	09/30/11 15:04
Chrysene-d12	9.78	Baseline	squiresb	09/30/11 15:04
Benzo[k]fluoranthene	10.62	Assign Peak	squiresb	09/30/11 15:04
Benzo[a]pyrene	10.81	Baseline	squiresb	09/30/11 15:04
Perylene-d12	10.86	Baseline	squiresb	09/30/11 15:04

GC/MS SEMI VOA MANUAL INTEGRATION SUMMARY

Lab Name: TestAmerica Valparaiso Job No.: 510-70378-1

SDG No.: 0058-373-01

Instrument ID: SMSB Analysis Batch Number: 87438

Lab Sample ID: 510-70378-1 Client Sample ID:

Date Analyzed: 09/30/11 17:38 Lab File ID: C5195.D GC Column: 8270/625 ID: 0.25(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Chrysene-d12	9.77	Assign Peak	squiresb	10/01/11 11:14
Benzo[a]anthracene	9.78	Assign Peak	squiresb	10/01/11 11:14
Chrysene	9.78	Assign Peak	squiresb	10/01/11 11:14
Benzo[b]fluoranthene	10.60	Assign Peak	squiresb	10/02/11 20:01
Benzo[k]fluoranthene	10.61	Assign Peak	squiresb	10/02/11 20:07
Benzo[a]pyrene	10.81	Assign Peak	squiresb	10/01/11 11:14
Perylene-d12	10.86	Assign Peak	squiresb	10/01/11 11:14

Lab Sample ID: 510-70378-2 Client Sample ID: Foundry Fill #2

Date Analyzed: 09/30/11 17:56 Lab File ID: C5196.D GC Column: 8270/625 ID: 0.25(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Benzo[a]anthracene	9.77	Assign Peak	squiresb	10/01/11 11:16
Chrysene-d12	9.78	Assign Peak	squiresb	10/01/11 11:16
Chrysene	9.79	Assign Peak	squiresb	10/01/11 11:16
Benzo[b]fluoranthene	10.61	Assign Peak	squiresb	10/02/11 20:02
Benzo[k]fluoranthene	10.61	Assign Peak	squiresb	10/02/11 20:07
Perylene-d12	10.87	Assign Peak	squiresb	10/01/11 11:16

SAMPLE SUMMARY

Client: Weaver Boos Consultants LLC

Job Number: 510-70378-1
Sdg Number: 0058-373-01

Lab Sample ID	Client Sample ID	Client Matrix	Date/Time Sampled	Date/Time Received
510-70378-1	Foundry Fill #1	Solid	09/23/2011 0900	09/23/2011 1455
510-70378-2	Foundry Fill #2	Solid	09/23/2011 0915	09/23/2011 1455

EXECUTIVE SUMMARY - Detections

Client: Weaver Boos Consultants LLC

Job Number: 510-70378-1
Sdg Number: 0058-373-01

Lab Sample ID / Analyte	Client Sample ID	Result	Qualifier	Reporting Limit	Units	Method
510-70378-1	**FOUNDRY FILL #1**					
Acetone		0.068		0.0098	mg/Kg	8260B
Benzo[a]anthracene		0.046		0.021	mg/Kg	8270C SIM
Benzo[a]pyrene		0.030		0.021	mg/Kg	8270C SIM
Benzo[b]fluoranthene		0.064		0.021	mg/Kg	8270C SIM
Benzo[k]fluoranthene		0.027		0.021	mg/Kg	8270C SIM
Chrysene		0.036		0.021	mg/Kg	8270C SIM
Fluoranthene		0.043		0.021	mg/Kg	8270C SIM
Pyrene		0.069		0.021	mg/Kg	8270C SIM
Naphthalene		0.034		0.021	mg/Kg	8270C SIM
Phenanthrene		0.072		0.021	mg/Kg	8270C SIM
C8-C36		150		110	mg/Kg	8015B
Arsenic		11		1.0	mg/Kg	6010B
Barium		63		1.0	mg/Kg	6010B
Chromium		9.5		1.0	mg/Kg	6010B
Copper		9.2		1.0	mg/Kg	6010B
Lead		38		0.50	mg/Kg	6010B
Nickel		7.5		1.0	mg/Kg	6010B
Mercury		0.037		0.020	mg/Kg	7471A
Percent Moisture		5.8		0.10	%	Moisture
Percent Solids		94		0.10	%	Moisture

EXECUTIVE SUMMARY - Detections

Client: Weaver Boos Consultants LLC

Job Number: 510-70378-1
Sdg Number: 0058-373-01

Lab Sample ID / Analyte	Client Sample ID	Result	Qualifier	Reporting Limit	Units	Method
510-70378-2	**FOUNDRY FILL #2**					
Acetone		0.096		0.012	mg/Kg	8260B
Benzene		0.0029		0.0012	mg/Kg	8260B
Methyl ethyl ketone (MEK)		0.012		0.012	mg/Kg	8260B
n-Hexane		0.013		0.0012	mg/Kg	8260B
Toluene		0.0013		0.0012	mg/Kg	8260B
Benzo[a]anthracene		0.10		0.021	mg/Kg	8270C SIM
Benzo[a]pyrene		0.11		0.021	mg/Kg	8270C SIM
Benzo[b]fluoranthene		0.16		0.021	mg/Kg	8270C SIM
Benzo[g,h,i]perylene		0.052		0.021	mg/Kg	8270C SIM
Benzo[k]fluoranthene		0.12		0.021	mg/Kg	8270C SIM
Chrysene		0.18		0.021	mg/Kg	8270C SIM
Fluoranthene		0.14		0.021	mg/Kg	8270C SIM
Pyrene		0.18		0.021	mg/Kg	8270C SIM
Indeno[1,2,3-cd]pyrene		0.057		0.021	mg/Kg	8270C SIM
Naphthalene		0.078		0.021	mg/Kg	8270C SIM
Phenanthrene		0.18		0.021	mg/Kg	8270C SIM
C8-C36		85		21	mg/Kg	8015B
Arsenic		7.3		0.98	mg/Kg	6010B
Barium		53		0.98	mg/Kg	6010B
Cadmium		2.7		0.20	mg/Kg	6010B
Chromium		47		0.98	mg/Kg	6010B
Copper		120		0.98	mg/Kg	6010B
Lead		270		0.49	mg/Kg	6010B
Nickel		49		0.98	mg/Kg	6010B
Silver		0.89		0.49	mg/Kg	6010B
Mercury		0.038		0.020	mg/Kg	7471A
Percent Moisture		5.7		0.10	%	Moisture
Percent Solids		94		0.10	%	Moisture

METHOD SUMMARY

Client: Weaver Boos Consultants LLC

Job Number: 510-70378-1
Sdg Number: 0058-373-01

Description	Lab Location	Method	Preparation Method
Matrix Solid			
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	
Microwave Extraction	TAL VAL		SW846 3546
Mercury (CVAA)	TAL VAL	SW846 7471A	
Preparation, Mercury	TAL VAL		SW846 7471A
Percent Moisture	TAL VAL	EPA Moisture	
Metals (ICP)	TAL CHI	SW846 6010B	
Preparation, Metals	TAL CHI		SW846 3050B
Volatile Organic Compounds (GC/MS)	TAL EDI	SW846 8260B	
Closed System Purge and Trap	TAL EDI		SW846 5035

Lab References:

TAL CHI = TestAmerica Chicago

TAL EDI = TestAmerica Edison

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: 510-70378-1
Sdg Number: 0058-373-01

Method	Analyst	Analyst ID
SW846 8260B	Tupayachi, Audberto	AT
SW846 8270C	Squires, William D	WDS
SW846 8270C SIM	Squires, William D	WDS
SW846 8015B	Ivers, Catherine L	CLI
SW846 6010B	Smith, Todd D	TDS
SW846 7471A	Miller, Cameron	CM
EPA Moisture	Hall, Jennifer L	JLH

Client: Weaver Boos Consultants LLC

Job Number: 510-70378-1
Sdg Number: 0058-373-01

Client Sample ID: **Foundry Fill #1**

Lab Sample ID: 510-70378-1
Client Matrix: Solid
% Moisture: 5.8

Date Sampled: 09/23/2011 0900
Date Received: 09/23/2011 1455

8260B Volatile Organic Compounds (GC/MS)

Analysis Method:	8260B	Analysis Batch:	460-88716	Instrument ID:	VOAMS12
Prep Method:	5035	Prep Batch:	460-88431	Lab File ID:	o52480.d
Dilution:	1.0			Initial Weight/Volume:	5.428 g
Analysis Date:	10/07/2011 0725			Final Weight/Volume:	5 mL
Prep Date:	10/05/2011 1930				

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	RL
Acetone		0.068		0.0098
Acrolein		<0.098		0.098
Benzene		<0.00098		0.00098
Bromodichloromethane		<0.00098		0.00098
Bromoform		<0.00098		0.00098
Bromomethane		<0.00098		0.00098
Carbon disulfide		<0.00098		0.00098
Carbon tetrachloride		<0.00098		0.00098
Chlorobenzene		<0.00098		0.00098
Chlorodibromomethane		<0.00098		0.00098
Chloroethane		<0.00098		0.00098
Chloroform		<0.00098		0.00098
Chloromethane		<0.00098		0.00098
cis-1,2-Dichloroethylene		<0.00098		0.00098
cis-1,3-Dichloropropene		<0.00098		0.00098
Cyclohexane		<0.00098		0.00098
1,2-Dibromoethane		<0.00098		0.00098
1,1-Dichlorethylene		<0.00098		0.00098
1,1-Dichloroethane		<0.00098		0.00098
1,2-Dichloroethane		<0.00098		0.00098
1,2-Dichloropropane		<0.00098		0.00098
Ethyl acetate		<0.00098		0.00098
Ethylbenzene		<0.00098		0.00098
Iodomethane		<0.00098		0.00098
Isopropylbenzene		<0.00098		0.00098
Methyl acetate		<0.00098		0.00098
Methyl Butyl Ketone (2-Hexanone)		<0.0098		0.0098
Methylcyclohexane		<0.00098		0.00098
Methylene Chloride		<0.00098		0.00098
Methyl ethyl ketone (MEK)		<0.0098		0.0098
4-Methyl-2-pentanone (MIBK)		<0.0098		0.0098
Methyl tert-butyl ether		<0.00098		0.00098
n-Butanol		<0.49		0.49
n-Hexane		<0.00098		0.00098
n-Propylbenzene		<0.00098		0.00098
Styrene		<0.00098		0.00098
1,1,1,2-Tetrachloroethane		<0.00098		0.00098
1,1,2,2-Tetrachloroethane		<0.00098		0.00098
Tetrachloroethylene		<0.00098		0.00098
Toluene		<0.00098		0.00098
trans-1,2-Dichloroethylene		<0.00098		0.00098
trans-1,3-Dichloropropene		<0.00098		0.00098
1,1,1-Trichloroethane		<0.00098		0.00098
1,1,2-Trichloroethane		<0.00098		0.00098
Trichloroethene		<0.00098		0.00098
Trichlorofluoromethane		<0.00098		0.00098

Client: Weaver Boos Consultants LLC

Job Number: 510-70378-1
Sdg Number: 0058-373-01

Client Sample ID: **Foundry Fill #1**

Lab Sample ID: 510-70378-1
Client Matrix: Solid
% Moisture: 5.8

Date Sampled: 09/23/2011 0900
Date Received: 09/23/2011 1455

8260B Volatile Organic Compounds (GC/MS)

Analysis Method:	8260B	Analysis Batch:	460-88716	Instrument ID:	VOAMS12
Prep Method:	5035	Prep Batch:	460-88431	Lab File ID:	o52480.d
Dilution:	1.0			Initial Weight/Volume:	5.428 g
Analysis Date:	10/07/2011 0725			Final Weight/Volume:	5 mL
Prep Date:	10/05/2011 1930				

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	RL
1,2,4-Trimethylbenzene		<0.00098		0.00098
1,3,5-Trimethylbenzene		<0.00098		0.00098
Vinyl acetate		<0.00098		0.00098
Vinyl chloride		<0.00098		0.00098
Xylenes, Total		<0.0029		0.0029

Surrogate	%Rec	Qualifier	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	139	X	70 - 138
Toluene-d8 (Surr)	115		66 - 126

Client: Weaver Boos Consultants LLC

Job Number: 510-70378-1
Sdg Number: 0058-373-01

Client Sample ID: **Foundry Fill #2**

Lab Sample ID: 510-70378-2
Client Matrix: Solid
% Moisture: 5.7

Date Sampled: 09/23/2011 0915
Date Received: 09/23/2011 1455

8260B Volatile Organic Compounds (GC/MS)

Analysis Method:	8260B	Analysis Batch:	460-88716	Instrument ID:	VOAMS12
Prep Method:	5035	Prep Batch:	460-88431	Lab File ID:	o52481.d
Dilution:	1.0			Initial Weight/Volume:	4.428 g
Analysis Date:	10/07/2011 0750			Final Weight/Volume:	5 mL
Prep Date:	10/05/2011 1930				

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	RL
Acetone		0.096		0.012
Acrolein		<0.12		0.12
Benzene		0.0029		0.0012
Bromodichloromethane		<0.0012		0.0012
Bromoform		<0.0012		0.0012
Bromomethane		<0.0012		0.0012
Carbon disulfide		<0.0012		0.0012
Carbon tetrachloride		<0.0012		0.0012
Chlorobenzene		<0.0012		0.0012
Chlorodibromomethane		<0.0012		0.0012
Chloroethane		<0.0012		0.0012
Chloroform		<0.0012		0.0012
Chloromethane		<0.0012		0.0012
cis-1,2-Dichloroethylene		<0.0012		0.0012
cis-1,3-Dichloropropene		<0.0012		0.0012
Cyclohexane		<0.0012		0.0012
1,2-Dibromoethane		<0.0012		0.0012
1,1-Dichlorethylene		<0.0012		0.0012
1,1-Dichloroethane		<0.0012		0.0012
1,2-Dichloroethane		<0.0012		0.0012
1,2-Dichloropropane		<0.0012		0.0012
Ethyl acetate		<0.0012		0.0012
Ethylbenzene		<0.0012		0.0012
Iodomethane		<0.0012		0.0012
Isopropylbenzene		<0.0012		0.0012
Methyl acetate		<0.0012		0.0012
Methyl Butyl Ketone (2-Hexanone)		<0.012		0.012
Methylcyclohexane		<0.0012		0.0012
Methylene Chloride		<0.0012		0.0012
Methyl ethyl ketone (MEK)		0.012		0.012
4-Methyl-2-pentanone (MIBK)		<0.012		0.012
Methyl tert-butyl ether		<0.0012		0.0012
n-Butanol		<0.60		0.60
n-Hexane		0.013		0.0012
n-Propylbenzene		<0.0012		0.0012
Styrene		<0.0012		0.0012
1,1,1,2-Tetrachloroethane		<0.0012		0.0012
1,1,2,2-Tetrachloroethane		<0.0012		0.0012
Tetrachloroethylene		<0.0012		0.0012
Toluene		0.0013		0.0012
trans-1,2-Dichloroethylene		<0.0012		0.0012
trans-1,3-Dichloropropene		<0.0012		0.0012
1,1,1-Trichloroethane		<0.0012		0.0012
1,1,2-Trichloroethane		<0.0012		0.0012
Trichloroethene		<0.0012		0.0012
Trichlorofluoromethane		<0.0012		0.0012

Client: Weaver Boos Consultants LLC

Job Number: 510-70378-1
Sdg Number: 0058-373-01

Client Sample ID: **Foundry Fill #2**

Lab Sample ID: 510-70378-2
Client Matrix: Solid
% Moisture: 5.7

Date Sampled: 09/23/2011 0915
Date Received: 09/23/2011 1455

8260B Volatile Organic Compounds (GC/MS)

Analysis Method:	8260B	Analysis Batch:	460-88716	Instrument ID:	VOAMS12
Prep Method:	5035	Prep Batch:	460-88431	Lab File ID:	o52481.d
Dilution:	1.0			Initial Weight/Volume:	4.428 g
Analysis Date:	10/07/2011 0750			Final Weight/Volume:	5 mL
Prep Date:	10/05/2011 1930				

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	RL
1,2,4-Trimethylbenzene		<0.0012		0.0012
1,3,5-Trimethylbenzene		<0.0012		0.0012
Vinyl acetate		<0.0012		0.0012
Vinyl chloride		<0.0012		0.0012
Xylenes, Total		<0.0036		0.0036

Surrogate	%Rec	Qualifier	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	139	X	70 - 138
Toluene-d8 (Surr)	112		66 - 126

Client: Weaver Boos Consultants LLC

Job Number: 510-70378-1
Sdg Number: 0058-373-01

Client Sample ID: **Foundry Fill #1**

Lab Sample ID: 510-70378-1
Client Matrix: Solid
% Moisture: 5.8

Date Sampled: 09/23/2011 0900
Date Received: 09/23/2011 1455

8270C Semivolatile Organic Compounds (GC/MS)

Analysis Method:	8270C	Analysis Batch:	510-87497	Instrument ID:	SMSA
Prep Method:	3541	Prep Batch:	510-87346	Lab File ID:	D1701.D
Dilution:	1.0			Initial Weight/Volume:	30.22 g
Analysis Date:	10/02/2011 0248			Final Weight/Volume:	1 mL
Prep Date:	09/29/2011 0823			Injection Volume:	1 uL

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	RL
Benzoic acid		<1.7		1.7
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		<0.70		0.70
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		<0.70		0.70
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		<0.70		0.70
2,4-Dinitrophenol		<1.7		1.7
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		<0.70		0.70
3-Nitroaniline		<0.70		0.70
4-Nitroaniline		<0.70		0.70
Nitrobenzene		<0.35		0.35
2-Nitrophenol		<0.35		0.35
4-Nitrophenol		<1.7		1.7
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: 510-70378-1
Sdg Number: 0058-373-01

Client Sample ID: **Foundry Fill #1**

Lab Sample ID: 510-70378-1
Client Matrix: Solid % Moisture: 5.8

Date Sampled: 09/23/2011 0900
Date Received: 09/23/2011 1455

8270C Semivolatile Organic Compounds (GC/MS)

Analysis Method:	8270C	Analysis Batch:	510-87497	Instrument ID:	SMSA
Prep Method:	3541	Prep Batch:	510-87346	Lab File ID:	D1701.D
Dilution:	1.0			Initial Weight/Volume:	30.22 g
Analysis Date:	10/02/2011 0248			Final Weight/Volume:	1 mL
Prep Date:	09/29/2011 0823			Injection Volume:	1 uL

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	RL
Pentachlorophenol		<0.70		0.70
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	73		14 - 104
2-Fluorophenol	73		10 - 102
Nitrobenzene-d5	68		10 - 105
Phenol-d5	74		10 - 94
Terphenyl-d14	65		31 - 119
2,4,6-Tribromophenol	66		10 - 128

Client: Weaver Boos Consultants LLC

Job Number: 510-70378-1
Sdg Number: 0058-373-01

Client Sample ID: **Foundry Fill #2**

Lab Sample ID: 510-70378-2
Client Matrix: Solid % Moisture: 5.7

Date Sampled: 09/23/2011 0915
Date Received: 09/23/2011 1455

8270C Semivolatile Organic Compounds (GC/MS)

Analysis Method:	8270C	Analysis Batch:	510-87497	Instrument ID:	SMSA
Prep Method:	3541	Prep Batch:	510-87346	Lab File ID:	D1702.D
Dilution:	1.0			Initial Weight/Volume:	30.47 g
Analysis Date:	10/02/2011 0307			Final Weight/Volume:	1 mL
Prep Date:	09/29/2011 0823			Injection Volume:	1 uL

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	RL
Benzoic acid		<1.7		1.7
Benzyl alcohol		<0.34		0.34
Bis(2-chloroethoxy)methane		<0.34		0.34
Bis(2-chloroethyl)ether		<0.34		0.34
Bis(2-chloroisopropyl) ether		<0.34		0.34
Bis(2-ethylhexyl) phthalate		<0.69		0.69
4-Bromophenyl phenyl ether		<0.34		0.34
Butyl benzyl phthalate		<0.34		0.34
Carbazole		<0.34		0.34
4-Chloro-3-methylphenol		<0.34		0.34
2-Chloronaphthalene		<0.34		0.34
2-Chlorophenol		<0.34		0.34
4-Chlorophenyl phenyl ether		<0.34		0.34
Dibenzofuran		<0.34		0.34
Dibutylphthalate		<0.34		0.34
1,2-Dichlorobenzene		<0.34		0.34
1,3-Dichlorobenzene		<0.34		0.34
1,4-Dichlorobenzene		<0.34		0.34
3,3'-Dichlorobenzidine		<0.69		0.69
2,4-Dichlorophenol		<0.34		0.34
Diethyl phthalate		<0.34		0.34
2,4-Dimethylphenol		<0.34		0.34
Dimethyl phthalate		<0.34		0.34
4,6-Dinitro-2-methylphenol		<0.69		0.69
2,4-Dinitrophenol		<1.7		1.7
2,4-Dinitrotoluene		<0.34		0.34
2,6-Dinitrotoluene		<0.34		0.34
Di-n-octyl phthalate		<0.34		0.34
Hexachlorobenzene		<0.34		0.34
Hexachloro-1,3-butadiene		<0.34		0.34
Hexachlorocyclopentadiene		<0.34		0.34
Hexachloroethane		<0.34		0.34
Isophorone		<0.34		0.34
2-Methylnaphthalene		<0.34		0.34
2-Methylphenol		<0.34		0.34
3 & 4 Methylphenol		<0.34		0.34
2-Nitroaniline		<0.69		0.69
3-Nitroaniline		<0.69		0.69
4-Nitroaniline		<0.69		0.69
Nitrobenzene		<0.34		0.34
2-Nitrophenol		<0.34		0.34
4-Nitrophenol		<1.7		1.7
N-Nitrosodimethylamine		<0.34		0.34
N-Nitrosodi-n-propylamine		<0.34		0.34
N-Nitrosodiphenylamine		<0.34		0.34
p-Chloroaniline		<0.34		0.34

Client: Weaver Boos Consultants LLC

Job Number: 510-70378-1
Sdg Number: 0058-373-01

Client Sample ID: **Foundry Fill #2**

Lab Sample ID: 510-70378-2
Client Matrix: Solid
% Moisture: 5.7

Date Sampled: 09/23/2011 0915
Date Received: 09/23/2011 1455

8270C Semivolatile Organic Compounds (GC/MS)

Analysis Method:	8270C	Analysis Batch:	510-87497	Instrument ID:	SMSA
Prep Method:	3541	Prep Batch:	510-87346	Lab File ID:	D1702.D
Dilution:	1.0			Initial Weight/Volume:	30.47 g
Analysis Date:	10/02/2011 0307			Final Weight/Volume:	1 mL
Prep Date:	09/29/2011 0823			Injection Volume:	1 uL

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	RL
Pentachlorophenol		<0.69		0.69
Phenol		<0.34		0.34
1,2,4-Trichlorobenzene		<0.34		0.34
2,4,5-Trichlorophenol		<0.34		0.34
2,4,6-Trichlorophenol		<0.34		0.34

Surrogate	%Rec	Qualifier	Acceptance Limits
2-Fluorobiphenyl	42		14 - 104
2-Fluorophenol	32		10 - 102
Nitrobenzene-d5	37		10 - 105
Phenol-d5	39		10 - 94
Terphenyl-d14	49		31 - 119
2,4,6-Tribromophenol	41		10 - 128

Client: Weaver Boos Consultants LLC

Job Number: 510-70378-1
Sdg Number: 0058-373-01

Client Sample ID: **Foundry Fill #1**

Lab Sample ID: 510-70378-1
Client Matrix: Solid
% Moisture: 5.8

Date Sampled: 09/23/2011 0900
Date Received: 09/23/2011 1455

8270C SIM PAHs by GCMS (SIM)

Analysis Method:	8270C SIM	Analysis Batch:	510-87438	Instrument ID:	SMSB
Prep Method:	3541	Prep Batch:	510-87346	Lab File ID:	C5195.D
Dilution:	1.0			Initial Weight/Volume:	30.22 g
Analysis Date:	09/30/2011 1738			Final Weight/Volume:	1 mL
Prep Date:	09/29/2011 0823			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		0.046		0.021
Benzo[a]pyrene		0.030		0.021
Benzo[b]fluoranthene		0.064		0.021
Benzo[g,h,i]perylene		<0.021		0.021
Benzo[k]fluoranthene		0.027		0.021
Chrysene		0.036		0.021
Dibenz(a,h)anthracene		<0.021		0.021
Fluoranthene		0.043		0.021
Pyrene		0.069		0.021
Fluorene		<0.021		0.021
Indeno[1,2,3-cd]pyrene		<0.021		0.021
Naphthalene		0.034		0.021
Phenanthrene		0.072		0.021

Surrogate	%Rec	Qualifier	Acceptance Limits
Terphenyl-d14	121		10 - 194
Nitrobenzene-d5	54		10 - 117
2-Fluorobiphenyl	72		16 - 110

Client: Weaver Boos Consultants LLC

Job Number: 510-70378-1
Sdg Number: 0058-373-01

Client Sample ID: **Foundry Fill #2**

Lab Sample ID: 510-70378-2
Client Matrix: Solid % Moisture: 5.7

Date Sampled: 09/23/2011 0915
Date Received: 09/23/2011 1455

8270C SIM PAHs by GCMS (SIM)

Analysis Method:	8270C SIM	Analysis Batch:	510-87438	Instrument ID:	SMSB
Prep Method:	3541	Prep Batch:	510-87346	Lab File ID:	C5196.D
Dilution:	1.0			Initial Weight/Volume:	30.47 g
Analysis Date:	09/30/2011 1756			Final Weight/Volume:	1 mL
Prep Date:	09/29/2011 0823			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		0.10		0.021
Benzo[a]pyrene		0.11		0.021
Benzo[b]fluoranthene		0.16		0.021
Benzo[g,h,i]perylene		0.052		0.021
Benzo[k]fluoranthene		0.12		0.021
Chrysene		0.18		0.021
Dibenz(a,h)anthracene		<0.021		0.021
Fluoranthene		0.14		0.021
Pyrene		0.18		0.021
Fluorene		<0.021		0.021
Indeno[1,2,3-cd]pyrene		0.057		0.021
Naphthalene		0.078		0.021
Phenanthrene		0.18		0.021

Surrogate	%Rec	Qualifier	Acceptance Limits
Terphenyl-d14	82		10 - 194
Nitrobenzene-d5	31		10 - 117
2-Fluorobiphenyl	41		16 - 110

Client: Weaver Boos Consultants LLC

Job Number: 510-70378-1
Sdg Number: 0058-373-01

Client Sample ID: **Foundry Fill #1**

Lab Sample ID: 510-70378-1
Client Matrix: Solid
% Moisture: 5.8

Date Sampled: 09/23/2011 0900
Date Received: 09/23/2011 1455

8015B Indiana ERO

Analysis Method:	8015B	Analysis Batch:	510-87521	Instrument ID:	SGCC
Prep Method:	3546	Prep Batch:	510-87418	Initial Weight/Volume:	30.12 g
Dilution:	5.0			Final Weight/Volume:	1 mL
Analysis Date:	10/03/2011 1153	Run Type:	DL	Injection Volume:	1 uL
Prep Date:	09/30/2011 0750			Result Type:	PRIMARY

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	RL
C8-C36		150		110

Surrogate	%Rec	Qualifier	Acceptance Limits
Decafluorobiphenyl	72		10 - 122

Client: Weaver Boos Consultants LLC

Job Number: 510-70378-1
Sdg Number: 0058-373-01

Client Sample ID: **Foundry Fill #2**

Lab Sample ID: 510-70378-2
Client Matrix: Solid

% Moisture: 5.7

Date Sampled: 09/23/2011 0915
Date Received: 09/23/2011 1455

8015B Indiana ERO

Analysis Method:	8015B	Analysis Batch:	510-87599	Instrument ID:	SGCC
Prep Method:	3546	Prep Batch:	510-87418	Initial Weight/Volume:	30.85 g
Dilution:	1.0			Final Weight/Volume:	1 mL
Analysis Date:	10/04/2011 2146			Injection Volume:	1 uL
Prep Date:	09/30/2011 0750			Result Type:	PRIMARY

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	RL
C8-C36		85		21

Surrogate	%Rec	Qualifier	Acceptance Limits
Decafluorobiphenyl	24		10 - 122

Client: Weaver Boos Consultants LLC

Job Number: 510-70378-1
Sdg Number: 0058-373-01

Client Sample ID: **Foundry Fill #1**

Lab Sample ID: 510-70378-1
Client Matrix: Solid % Moisture: 5.8

Date Sampled: 09/23/2011 0900
Date Received: 09/23/2011 1455

6010B Metals (ICP)

Analysis Method:	6010B	Analysis Batch:	500-127294	Instrument ID:	ICP5
Prep Method:	3050B	Prep Batch:	500-127081	Lab File ID:	P50930A
Dilution:	1.0			Initial Weight/Volume:	1.0628 g
Analysis Date:	09/30/2011 1429			Final Weight/Volume:	100 mL
Prep Date:	09/29/2011 0925				

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	RL
Antimony		<2.0		2.0
Arsenic		11		1.0
Barium		63		1.0
Cadmium		<0.20		0.20
Chromium		9.5		1.0
Copper		9.2		1.0
Lead		38		0.50
Nickel		7.5		1.0
Selenium		<1.0		1.0
Silver		<0.50		0.50
Thallium		<1.0		1.0

7471A Mercury (CVAA)

Analysis Method:	7471A	Analysis Batch:	510-87339	Instrument ID:	MHGC
Prep Method:	7471A	Prep Batch:	510-87274	Lab File ID:	092811hg.PRN
Dilution:	1.0			Initial Weight/Volume:	0.5297 g
Analysis Date:	09/28/2011 1825			Final Weight/Volume:	50 mL
Prep Date:	09/28/2011 1039				

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	RL
Mercury		0.037		0.020

Client: Weaver Boos Consultants LLC

Job Number: 510-70378-1
Sdg Number: 0058-373-01

Client Sample ID: **Foundry Fill #2**

Lab Sample ID: 510-70378-2
Client Matrix: Solid
% Moisture: 5.7

Date Sampled: 09/23/2011 0915
Date Received: 09/23/2011 1455

6010B Metals (ICP)

Analysis Method:	6010B	Analysis Batch:	500-127294	Instrument ID:	ICP5
Prep Method:	3050B	Prep Batch:	500-127081	Lab File ID:	P50930A
Dilution:	1.0			Initial Weight/Volume:	1.0795 g
Analysis Date:	09/30/2011 1436			Final Weight/Volume:	100 mL
Prep Date:	09/29/2011 0925				

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	RL
Antimony		<2.0		2.0
Arsenic		7.3		0.98
Barium		53		0.98
Cadmium		2.7		0.20
Chromium		47		0.98
Copper		120		0.98
Lead		270		0.49
Nickel		49		0.98
Selenium		<0.98		0.98
Silver		0.89		0.49
Thallium		<0.98		0.98

7471A Mercury (CVAA)

Analysis Method:	7471A	Analysis Batch:	510-87339	Instrument ID:	MHGC
Prep Method:	7471A	Prep Batch:	510-87274	Lab File ID:	092811hg.PRN
Dilution:	1.0			Initial Weight/Volume:	0.5181 g
Analysis Date:	09/28/2011 1827			Final Weight/Volume:	50 mL
Prep Date:	09/28/2011 1039				

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	RL
Mercury		0.038		0.020

General Chemistry

Client Sample ID: **Foundry Fill #1**

Lab Sample ID: 510-70378-1
Client Matrix: Solid

Date Sampled: 09/23/2011 0900
Date Received: 09/23/2011 1455

Analyte	Result	Qual	Units	RL	Dil	Method
Percent Moisture	5.8		%	0.10	1.0	Moisture
Analysis Batch: 510-87163	Analysis Date: 09/26/2011 1435					DryWt Corrected: N
Percent Solids	94		%	0.10	1.0	Moisture
Analysis Batch: 510-87163	Analysis Date: 09/26/2011 1435					DryWt Corrected: N

General Chemistry

Client Sample ID: **Foundry Fill #2**

Lab Sample ID: 510-70378-2
Client Matrix: Solid

Date Sampled: 09/23/2011 0915
Date Received: 09/23/2011 1455

Analyte	Result	Qual	Units	RL	Dil	Method
Percent Moisture	5.7		%	0.10	1.0	Moisture
Analysis Batch: 510-87163	Analysis Date: 09/26/2011 1435					DryWt Corrected: N
Percent Solids	94		%	0.10	1.0	Moisture
Analysis Batch: 510-87163	Analysis Date: 09/26/2011 1435					DryWt Corrected: N

Client: Weaver Boos Consultants LLC

Job Number: 510-70378-1
Sdg Number: 0058-373-01

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
510-70378-1	Foundry Fill #1	73	74	68	73	66	65
510-70378-2	Foundry Fill #2	32	39	37	42	41	49
MB 510-87346/1-A		66	77	64	62	62	66
LCS 510-87346/2-A		75	79	58	66	66	64

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: 510-70378-1
Sdg Number: 0058-373-01

Surrogate Recovery Report

8270C SIM PAHs by GCMS (SIM)

Client Matrix: Solid

Lab Sample ID	Client Sample ID	NBZ %Rec	FBP %Rec	TPH %Rec
510-70378-1	Foundry Fill #1	54	72	121
510-70378-2	Foundry Fill #2	31	41	82
MB 510-87346/1-A		54	62	86
LCS 510-87346/2-A		54	62	99

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: 510-70378-1
Sdg Number: 0058-373-01

Surrogate Recovery Report

8015B Indiana ERO

Client Matrix: Solid

Lab Sample ID	Client Sample ID	DBP1 %Rec
510-70378-1 DL	Foundry Fill #1 DL	72
510-70378-2	Foundry Fill #2	24
MB 510-87418/1-A		63
LCS 510-87418/2-A		76

Surrogate	Acceptance Limits
DBP = Decafluorobiphenyl	10-122

Client: Weaver Boos Consultants LLC

Job Number: 510-70378-1
Sdg Number: 0058-373-01

Surrogate Recovery Report

8260B Volatile Organic Compounds (GC/MS)

Client Matrix: Solid

Lab Sample ID	Client Sample ID	DCA %Rec	TOL %Rec
510-70378-1	Foundry Fill #1	139X	115
510-70378-2	Foundry Fill #2	139X	112
MB 460-88716/5		107	110
LCS 460-88716/3		115	113
LCSD 460-88716/4		112	111

Surrogate	Acceptance Limits
DCA = 1,2-Dichloroethane-d4 (Surr)	70-138
TOL = Toluene-d8 (Surr)	66-126

Client: Weaver Boos Consultants LLC

Job Number: 510-70378-1
Sdg Number: 0058-373-01

Method Blank - Batch: 460-88716

Method: 8260B
Preparation: N/A

Lab Sample ID:	MB 460-88716/5	Analysis Batch:	460-88716	Instrument ID:	VOAMS12
Client Matrix:	Solid	Prep Batch:	N/A	Lab File ID:	o52477.d
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	5 mL
Analysis Date:	10/07/2011 0609	Units:	mg/Kg	Final Weight/Volume:	5 mL
Prep Date:	N/A				
Leach Date:	N/A				

Analyte	Result	Qual	RL
Acetone	<0.010		0.010
Acrolein	<0.10		0.10
Benzene	<0.0010		0.0010
Bromodichloromethane	<0.0010		0.0010
Bromoform	<0.0010		0.0010
Bromomethane	<0.0010		0.0010
Carbon disulfide	<0.0010		0.0010
Carbon tetrachloride	<0.0010		0.0010
Chlorobenzene	<0.0010		0.0010
Chlorodibromomethane	<0.0010		0.0010
Chloroethane	<0.0010		0.0010
Chloroform	<0.0010		0.0010
Chloromethane	<0.0010		0.0010
cis-1,2-Dichloroethylene	<0.0010		0.0010
cis-1,3-Dichloropropene	<0.0010		0.0010
Cyclohexane	<0.0010		0.0010
1,2-Dibromoethane	<0.0010		0.0010
1,1-Dichlorethylene	<0.0010		0.0010
1,1-Dichloroethane	<0.0010		0.0010
1,2-Dichloroethane	<0.0010		0.0010
1,2-Dichloropropane	<0.0010		0.0010
Ethyl acetate	<0.0010		0.0010
Ethylbenzene	<0.0010		0.0010
Iodomethane	<0.0010		0.0010
Isopropylbenzene	<0.0010		0.0010
Methyl acetate	<0.0010		0.0010
Methyl Butyl Ketone (2-Hexanone)	<0.010		0.010
Methylcyclohexane	<0.0010		0.0010
Methylene Chloride	<0.0010		0.0010
Methyl ethyl ketone (MEK)	<0.010		0.010
4-Methyl-2-pentanone (MIBK)	<0.010		0.010
Methyl tert-butyl ether	<0.0010		0.0010
n-Butanol	<0.50		0.50
n-Hexane	<0.0010		0.0010
n-Propylbenzene	<0.0010		0.0010
Styrene	<0.0010		0.0010
1,1,1,2-Tetrachloroethane	<0.0010		0.0010
1,1,2,2-Tetrachloroethane	<0.0010		0.0010
Tetrachloroethylene	<0.0010		0.0010
Toluene	<0.0010		0.0010
trans-1,2-Dichloroethylene	<0.0010		0.0010
trans-1,3-Dichloropropene	<0.0010		0.0010
1,1,1-Trichloroethane	<0.0010		0.0010
1,1,2-Trichloroethane	<0.0010		0.0010
Trichloroethene	<0.0010		0.0010

Client: Weaver Boos Consultants LLC

Job Number: 510-70378-1
Sdg Number: 0058-373-01

Method Blank - Batch: 460-88716

Method: 8260B
Preparation: N/A

Lab Sample ID:	MB 460-88716/5	Analysis Batch:	460-88716	Instrument ID:	VOAMS12
Client Matrix:	Solid	Prep Batch:	N/A	Lab File ID:	o52477.d
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	5 mL
Analysis Date:	10/07/2011 0609	Units:	mg/Kg	Final Weight/Volume:	5 mL
Prep Date:	N/A				
Leach Date:	N/A				

Analyte	Result	Qual	RL
Trichlorofluoromethane	<0.0010		0.0010
1,2,4-Trimethylbenzene	<0.0010		0.0010
1,3,5-Trimethylbenzene	<0.0010		0.0010
Vinyl acetate	<0.0010		0.0010
Vinyl chloride	<0.0010		0.0010
Xylenes, Total	<0.0030		0.0030

Surrogate	% Rec	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	107	70 - 138
Toluene-d8 (Surr)	110	66 - 126

Client: Weaver Boos Consultants LLC

Job Number: 510-70378-1
Sdg Number: 0058-373-01

Lab Control Sample/
Lab Control Sample Duplicate Recovery Report - Batch: 460-88716

Method: 8260B
Preparation: N/A

LCS Lab Sample ID:	LCS 460-88716/3	Analysis Batch:	460-88716	Instrument ID:	VOAMS12
Client Matrix:	Solid	Prep Batch:	N/A	Lab File ID:	o52473.d
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	5 mL
Analysis Date:	10/07/2011 0418	Units:	mg/Kg	Final Weight/Volume:	5 mL
Prep Date:	N/A				
Leach Date:	N/A				

LCSD Lab Sample ID:	LCSD 460-88716/4	Analysis Batch:	460-88716	Instrument ID:	VOAMS12
Client Matrix:	Solid	Prep Batch:	N/A	Lab File ID:	o52474.d
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	5 mL
Analysis Date:	10/07/2011 0443	Units:	mg/Kg	Final Weight/Volume:	5 mL
Prep Date:	N/A				
Leach Date:	N/A				

	% Rec.						
Analyte	LCS	LCSD	Limit	RPD	RPD Limit	LCS Qual	LCSD Qual
Acetone	112	118	27 - 164	6	30		
Acrolein	110	106	10 - 163	4	30		
Benzene	100	97	77 - 117	3	30		
Bromodichloromethane	92	94	79 - 119	2	30		
Bromoform	78	77	59 - 125	1	30		
Bromomethane	136	112	54 - 142	19	30		
Carbon disulfide	102	93	72 - 128	10	30		
Carbon tetrachloride	94	91	79 - 118	4	30		
Chlorobenzene	97	95	80 - 120	2	30		
Chlorodibromomethane	84	84	68 - 120	1	30		
Chloroethane	115	106	56 - 146	8	30		
Chloroform	100	98	77 - 120	3	30		
Chloromethane	109	92	50 - 151	16	30		
cis-1,2-Dichloroethylene	104	100	80 - 120	4	30		
cis-1,3-Dichloropropene	97	97	80 - 123	1	30		
Cyclohexane	103	98	80 - 121	6	30		
1,2-Dibromoethane	98	94	75 - 117	4	30		
1,1-Dichlorethylene	105	94	71 - 126	10	30		
1,1-Dichloroethane	103	100	76 - 125	3	30		
1,2-Dichloroethane	100	100	76 - 118	0	30		
1,2-Dichloropropane	98	96	82 - 122	1	30		
Ethyl acetate	111	88	66 - 129	23	30		
Ethylbenzene	93	92	81 - 121	0	30		
Iodomethane	109	101	59 - 134	8	30		
Isopropylbenzene	99	98	65 - 129	1	30		
Methyl acetate	102	95	73 - 137	8	30		
Methyl Butyl Ketone (2-Hexanone)	101	94	70 - 122	7	30		
Methylcyclohexane	101	95	78 - 118	7	30		
Methylene Chloride	108	103	74 - 137	5	30		
Methyl ethyl ketone (MEK)	111	110	77 - 117	1	30		
4-Methyl-2-pentanone (MIBK)	104	97	68 - 120	7	30		
Methyl tert-butyl ether	107	100	78 - 120	6	30		
m-Xylene & p-Xylene	93	92	81 - 121	1	30		
n-Butanol	100	91	64 - 130	9	30		
n-Hexane	105	95	71 - 128	10	30		
n-Propylbenzene	99	97	81 - 121	3	30		

Client: Weaver Boos Consultants LLC

Job Number: 510-70378-1
Sdg Number: 0058-373-01

Lab Control Sample/
Lab Control Sample Duplicate Recovery Report - Batch: 460-88716

Method: 8260B
Preparation: N/A

LCS Lab Sample ID:	LCS 460-88716/3	Analysis Batch:	460-88716	Instrument ID:	VOAMS12
Client Matrix:	Solid	Prep Batch:	N/A	Lab File ID:	o52473.d
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	5 mL
Analysis Date:	10/07/2011 0418	Units:	mg/Kg	Final Weight/Volume:	5 mL
Prep Date:	N/A				
Leach Date:	N/A				

LCSD Lab Sample ID:	LCSD 460-88716/4	Analysis Batch:	460-88716	Instrument ID:	VOAMS12
Client Matrix:	Solid	Prep Batch:	N/A	Lab File ID:	o52474.d
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	5 mL
Analysis Date:	10/07/2011 0443	Units:	mg/Kg	Final Weight/Volume:	5 mL
Prep Date:	N/A				
Leach Date:	N/A				

Analyte	% Rec. LCS	% Rec. LCSD	Limit	RPD	RPD Limit	LCS Qual	LCSD Qual
o-Xylene	95	91	82 - 122	4	30		
Styrene	94	93	82 - 122	2	30		
1,1,1,2-Tetrachloroethane	90	88	60 - 126	2	30		
1,1,2,2-Tetrachloroethane	98	94	79 - 122	4	30		
Tetrachloroethylene	97	96	80 - 120	1	30		
Toluene	110	107	75 - 115	3	30		
trans-1,2-Dichloroethylene	103	96	75 - 122	7	30		
trans-1,3-Dichloropropene	93	91	67 - 121	2	30		
1,1,1-Trichloroethane	99	93	78 - 117	7	30		
1,1,2-Trichloroethane	96	96	73 - 118	0	30		
Trichloroethene	98	97	79 - 119	2	30		
Trichlorofluoromethane	109	100	61 - 139	8	30		
1,2,4-Trimethylbenzene	96	94	81 - 121	3	30		
1,3,5-Trimethylbenzene	98	96	82 - 122	1	30		
Vinyl acetate	99	100	52 - 116	1	30		
Vinyl chloride	107	98	67 - 133	8	30		
Xylenes, Total	94	92	82 - 122	2	30		

Surrogate	LCS % Rec	LCSD % Rec	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	115	112	70 - 138
Toluene-d8 (Surr)	113	111	66 - 126

Client: Weaver Boos Consultants LLC

Job Number: 510-70378-1
Sdg Number: 0058-373-01

Laboratory Control/
Laboratory Duplicate Data Report - Batch: 460-88716

Method: 8260B
Preparation: N/A

LCS Lab Sample ID:	LCS 460-88716/3	Units: mg/Kg	LCSD Lab Sample ID:	LCSD 460-88716/4
Client Matrix:	Solid		Client Matrix:	Solid
Dilution:	1.0		Dilution:	1.0
Analysis Date:	10/07/2011 0418		Analysis Date:	10/07/2011 0443
Prep Date:	N/A		Prep Date:	N/A
Leach Date:	N/A		Leach Date:	N/A

Analyte	LCS Spike Amount	LCSD Spike Amount	LCS Result/Qual	LCSD Result/Qual
Acetone	0.0200	0.0200	0.0224	0.0237
Acrolein	0.300	0.300	0.331	0.317
Benzene	0.0200	0.0200	0.0201	0.0194
Bromodichloromethane	0.0200	0.0200	0.0185	0.0188
Bromoform	0.0200	0.0200	0.0155	0.0153
Bromomethane	0.0200	0.0200	0.0272	0.0225
Carbon disulfide	0.0200	0.0200	0.0204	0.0186
Carbon tetrachloride	0.0200	0.0200	0.0189	0.0182
Chlorobenzene	0.0200	0.0200	0.0194	0.0190
Chlorodibromomethane	0.0200	0.0200	0.0169	0.0167
Chloroethane	0.0200	0.0200	0.0231	0.0213
Chloroform	0.0200	0.0200	0.0200	0.0195
Chloromethane	0.0200	0.0200	0.0217	0.0184
cis-1,2-Dichloroethylene	0.0200	0.0200	0.0209	0.0200
cis-1,3-Dichloropropene	0.0200	0.0200	0.0194	0.0193
Cyclohexane	0.0200	0.0200	0.0207	0.0195
1,2-Dibromoethane	0.0200	0.0200	0.0196	0.0189
1,1-Dichlorethylene	0.0200	0.0200	0.0210	0.0189
1,1-Dichloroethane	0.0200	0.0200	0.0207	0.0200
1,2-Dichloroethane	0.0200	0.0200	0.0200	0.0201
1,2-Dichloropropane	0.0200	0.0200	0.0195	0.0193
Ethyl acetate	0.0400	0.0400	0.0443	0.0351
Ethylbenzene	0.0200	0.0200	0.0185	0.0185
Iodomethane	0.0200	0.0200	0.0218	0.0202
Isopropylbenzene	0.0200	0.0200	0.0198	0.0195
Methyl acetate	0.0200	0.0200	0.0204	0.0189
Methyl Butyl Ketone (2-Hexanone)	0.0200	0.0200	0.0201	0.0188
Methylcyclohexane	0.0200	0.0200	0.0203	0.0190
Methylene Chloride	0.0200	0.0200	0.0217	0.0206
Methyl ethyl ketone (MEK)	0.0200	0.0200	0.0223	0.0220
4-Methyl-2-pentanone (MIBK)	0.0200	0.0200	0.0208	0.0194
Methyl tert-butyl ether	0.0200	0.0200	0.0214	0.0200
m-Xylene & p-Xylene	0.0400	0.0400	0.0373	0.0369
n-Butanol	1.50	1.50	1.50	1.36
n-Hexane	0.0200	0.0200	0.0210	0.0190
n-Propylbenzene	0.0200	0.0200	0.0199	0.0193
o-Xylene	0.0200	0.0200	0.0190	0.0182
Styrene	0.0200	0.0200	0.0189	0.0185
1,1,1,2-Tetrachloroethane	0.0200	0.0200	0.0179	0.0176

Client: Weaver Boos Consultants LLC

Job Number: 510-70378-1
Sdg Number: 0058-373-01

Laboratory Control/
Laboratory Duplicate Data Report - Batch: 460-88716

Method: 8260B
Preparation: N/A

LCS Lab Sample ID:	LCS 460-88716/3	Units: mg/Kg	LCSD Lab Sample ID:	LCSD 460-88716/4
Client Matrix:	Solid		Client Matrix:	Solid
Dilution:	1.0		Dilution:	1.0
Analysis Date:	10/07/2011 0418		Analysis Date:	10/07/2011 0443
Prep Date:	N/A		Prep Date:	N/A
Leach Date:	N/A		Leach Date:	N/A

Analyte	LCS Spike Amount	LCSD Spike Amount	LCS Result/Qual	LCSD Result/Qual
1,1,2,2-Tetrachloroethane	0.0200	0.0200	0.0195	0.0187
Tetrachloroethylene	0.0200	0.0200	0.0193	0.0192
Toluene	0.0200	0.0200	0.0221	0.0214
trans-1,2-Dichloroethylene	0.0200	0.0200	0.0206	0.0192
trans-1,3-Dichloropropene	0.0200	0.0200	0.0185	0.0181
1,1,1-Trichloroethane	0.0200	0.0200	0.0198	0.0185
1,1,2-Trichloroethane	0.0200	0.0200	0.0191	0.0192
Trichloroethene	0.0200	0.0200	0.0196	0.0193
Trichlorofluoromethane	0.0200	0.0200	0.0218	0.0201
1,2,4-Trimethylbenzene	0.0200	0.0200	0.0193	0.0188
1,3,5-Trimethylbenzene	0.0200	0.0200	0.0195	0.0193
Vinyl acetate	0.0200	0.0200	0.0198	0.0201
Vinyl chloride	0.0200	0.0200	0.0213	0.0196
Xylenes, Total	0.0600	0.0600	0.0563	0.0551

Client: Weaver Boos Consultants LLC

Job Number: 510-70378-1
Sdg Number: 0058-373-01

Method Blank - Batch: 510-87346

Method: 8270C
Preparation: 3541

Lab Sample ID:	MB 510-87346/1-A	Analysis Batch:	510-87497	Instrument ID:	SMSA
Client Matrix:	Solid	Prep Batch:	510-87346	Lab File ID:	D1683.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	30 g
Analysis Date:	10/01/2011 2117	Units:	mg/Kg	Final Weight/Volume:	1 mL
Prep Date:	09/29/2011 0823			Injection Volume:	1 uL
Leach Date:	N/A				

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
N-Nitrosodi-n-propylamine	<0.33		0.33
N-Nitrosodiphenylamine	<0.33		0.33

Client: Weaver Boos Consultants LLC

Job Number: 510-70378-1
Sdg Number: 0058-373-01

Method Blank - Batch: 510-87346

Method: 8270C
Preparation: 3541

Lab Sample ID:	MB 510-87346/1-A	Analysis Batch:	510-87497	Instrument ID:	SMSA
Client Matrix:	Solid	Prep Batch:	510-87346	Lab File ID:	D1683.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	30 g
Analysis Date:	10/01/2011 2117	Units:	mg/Kg	Final Weight/Volume:	1 mL
Prep Date:	09/29/2011 0823			Injection Volume:	1 uL
Leach Date:	N/A				

Analyte	Result	Qual	RL
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	62	14 - 104
2-Fluorophenol	66	10 - 102
Nitrobenzene-d5	64	10 - 105
Phenol-d5	77	10 - 94
Terphenyl-d14	66	31 - 119
2,4,6-Tribromophenol	62	10 - 128

Client: Weaver Boos Consultants LLC

Job Number: 510-70378-1
Sdg Number: 0058-373-01

Lab Control Sample - Batch: 510-87346

Method: 8270C
Preparation: 3541

Lab Sample ID:	LCS 510-87346/2-A	Analysis Batch:	510-87497	Instrument ID:	SMSA
Client Matrix:	Solid	Prep Batch:	510-87346	Lab File ID:	D1684.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	30 g
Analysis Date:	10/01/2011 2135	Units:	mg/Kg	Final Weight/Volume:	1 mL
Prep Date:	09/29/2011 0823			Injection Volume:	1 uL
Leach Date:	N/A				

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
Benzoic acid	1.67	<1.7	49	10 - 150	
Bis(2-chloroethoxy)methane	1.67	1.19	72	40 - 124	
Bis(2-chloroethyl)ether	1.67	1.22	73	21 - 120	
Bis(2-chloroisopropyl) ether	1.67	1.29	77	10 - 150	
Bis(2-ethylhexyl) phthalate	1.67	1.38	83	61 - 133	
4-Bromophenyl phenyl ether	1.67	1.30	78	62 - 135	
Butyl benzyl phthalate	1.67	1.41	84	61 - 135	
Carbazole	1.67	1.59	96	44 - 134	
4-Chloro-3-methylphenol	1.67	1.05	63	29 - 126	
2-Chloronaphthalene	1.67	1.33	80	38 - 103	
2-Chlorophenol	1.67	1.31	78	27 - 119	
4-Chlorophenyl phenyl ether	1.67	1.25	75	67 - 116	
Dibenzofuran	1.67	1.37	82	54 - 105	
Dibutylphthalate	1.67	1.58	95	50 - 148	
1,2-Dichlorobenzene	1.67	1.10	66	25 - 100	
1,3-Dichlorobenzene	1.67	1.43	86	32 - 91	
1,4-Dichlorobenzene	1.67	1.13	68	29 - 109	
2,4-Dichlorophenol	1.67	1.42	85	31 - 99	
Diethyl phthalate	1.67	1.33	80	65 - 131	
2,4-Dimethylphenol	1.67	1.05	63	27 - 95	
Dimethyl phthalate	1.67	1.33	80	65 - 119	
4,6-Dinitro-2-methylphenol	1.67	1.53	92	10 - 150	
2,4-Dinitrophenol	1.67	<1.7	64	10 - 150	
2,4-Dinitrotoluene	1.67	1.41	85	52 - 124	
2,6-Dinitrotoluene	1.67	1.30	78	52 - 114	
Di-n-octyl phthalate	1.67	1.71	103	56 - 162	
Hexachlorobenzene	1.67	1.38	83	48 - 119	
Hexachloro-1,3-butadiene	1.67	0.800	48	10 - 150	
Hexachlorocyclopentadiene	1.67	0.737	44	10 - 150	
Hexachloroethane	1.67	1.04	62	10 - 150	
Isophorone	1.67	1.13	68	33 - 111	
2-Methylnaphthalene	1.67	1.05	63	25 - 112	
2-Methylphenol	1.67	1.25	75	28 - 106	
3 & 4 Methylphenol	1.67	1.26	76	34 - 112	
2-Nitroaniline	1.67	1.39	83	50 - 117	
3-Nitroaniline	1.67	1.46	87	10 - 150	
4-Nitroaniline	1.67	1.68	101	10 - 150	
Nitrobenzene	1.67	1.10	66	10 - 150	
2-Nitrophenol	1.67	1.14	68	24 - 108	
4-Nitrophenol	1.67	<1.7	65	19 - 152	
N-Nitrosodimethylamine	1.67	1.51	91	24 - 112	
N-Nitrosodi-n-propylamine	1.67	1.09	66	45 - 123	
N-Nitrosodiphenylamine	1.67	1.41	85	46 - 162	
p-Chloroaniline	1.67	1.24	74	10 - 150	
Pentachlorophenol	1.67	1.46	88	11 - 128	
Phenol	1.67	1.41	84	23 - 120	

Client: Weaver Boos Consultants LLC

Job Number: 510-70378-1
Sdg Number: 0058-373-01

Lab Control Sample - Batch: 510-87346

Method: 8270C
Preparation: 3541

Lab Sample ID:	LCS 510-87346/2-A	Analysis Batch:	510-87497	Instrument ID:	SMSA
Client Matrix:	Solid	Prep Batch:	510-87346	Lab File ID:	D1684.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	30 g
Analysis Date:	10/01/2011 2135	Units:	mg/Kg	Final Weight/Volume:	1 mL
Prep Date:	09/29/2011 0823			Injection Volume:	1 uL
Leach Date:	N/A				

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
1,2,4-Trichlorobenzene	1.67	0.967	58	35 - 116	
2,4,5-Trichlorophenol	1.67	1.24	75	38 - 108	
2,4,6-Trichlorophenol	1.67	1.29	77	45 - 100	

Surrogate	% Rec	Acceptance Limits
2-Fluorobiphenyl	66	14 - 104
2-Fluorophenol	75	10 - 102
Nitrobenzene-d5	58	10 - 105
Phenol-d5	79	10 - 94
Terphenyl-d14	64	31 - 119
2,4,6-Tribromophenol	66	10 - 128

Client: Weaver Boos Consultants LLC

Job Number: 510-70378-1
Sdg Number: 0058-373-01

Method Blank - Batch: 510-87346

Method: 8270C SIM
Preparation: 3541

Lab Sample ID:	MB 510-87346/1-A	Analysis Batch:	510-87438	Instrument ID:	SMSB
Client Matrix:	Solid	Prep Batch:	510-87346	Lab File ID:	C5178.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	30 g
Analysis Date:	09/30/2011 1232	Units:	mg/Kg	Final Weight/Volume:	1 mL
Prep Date:	09/29/2011 0823			Injection Volume:	1 uL
Leach Date:	N/A				

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

Surrogate	% Rec	Acceptance Limits
Terphenyl-d14	86	10 - 194
Nitrobenzene-d5	54	10 - 117
2-Fluorobiphenyl	62	16 - 110

Client: Weaver Boos Consultants LLC

Job Number: 510-70378-1
Sdg Number: 0058-373-01

Lab Control Sample - Batch: 510-87346

Method: 8270C SIM
Preparation: 3541

Lab Sample ID:	LCS 510-87346/2-A	Analysis Batch:	510-87438	Instrument ID:	SMSB
Client Matrix:	Solid	Prep Batch:	510-87346	Lab File ID:	C5179.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	30 g
Analysis Date:	09/30/2011 1250	Units:	mg/Kg	Final Weight/Volume:	1 mL
Prep Date:	09/29/2011 0823			Injection Volume:	1 uL
Leach Date:	N/A				

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
Acenaphthene	1.67	1.19	71	10 - 118	
Acenaphthylene	1.67	1.17	70	10 - 151	
Anthracene	1.67	1.35	81	16 - 148	
Benzo[a]anthracene	1.67	1.38	83	15 - 154	
Benzo[a]pyrene	1.67	1.55	93	19 - 168	
Benzo[b]fluoranthene	1.67	1.79	108	14 - 152	
Benzo[g,h,i]perylene	1.67	1.68	101	21 - 112	
Benzo[k]fluoranthene	1.67	1.37	82	24 - 116	
Chrysene	1.67	1.06	64	29 - 107	
Dibenz(a,h)anthracene	1.67	1.35	81	34 - 107	
Fluoranthene	1.67	1.41	85	29 - 120	
Pyrene	1.67	1.60	96	26 - 120	
Fluorene	1.67	1.38	83	28 - 110	
Indeno[1,2,3-cd]pyrene	1.67	1.55	93	27 - 110	
Naphthalene	1.67	1.18	71	10 - 106	
Phenanthrene	1.67	1.22	73	22 - 115	

Surrogate	% Rec	Acceptance Limits
Terphenyl-d14	99	10 - 194
Nitrobenzene-d5	54	10 - 117
2-Fluorobiphenyl	62	16 - 110

Client: Weaver Boos Consultants LLC

Job Number: 510-70378-1
Sdg Number: 0058-373-01

Method Blank - Batch: 510-87418

Method: 8015B
Preparation: 3546

Lab Sample ID:	MB 510-87418/1-A	Analysis Batch:	510-87448	Instrument ID:	SGCC
Client Matrix:	Solid	Prep Batch:	510-87418	Lab File ID:	C6059.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	30 g
Analysis Date:	09/30/2011 1540	Units:	mg/Kg	Final Weight/Volume:	1 mL
Prep Date:	09/30/2011 0750			Injection Volume:	1 uL
Leach Date:	N/A			Column ID:	PRIMARY

Analyte	Result	Qual	RL
C8-C36	<20		20

Surrogate	% Rec	Acceptance Limits
Decafluorobiphenyl	63	10 - 122

Lab Control Sample - Batch: 510-87418

Method: 8015B
Preparation: 3546

Lab Sample ID:	LCS 510-87418/2-A	Analysis Batch:	510-87448	Instrument ID:	SGCC
Client Matrix:	Solid	Prep Batch:	510-87418	Lab File ID:	C6060.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	30 g
Analysis Date:	09/30/2011 1612	Units:	mg/Kg	Final Weight/Volume:	1 mL
Prep Date:	09/30/2011 0750			Injection Volume:	1 uL
Leach Date:	N/A			Column ID:	PRIMARY

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
C8-C36	33.2	26.1	79	30 - 146	

Surrogate	% Rec	Acceptance Limits
Decafluorobiphenyl	76	10 - 122

Client: Weaver Boos Consultants LLC

Job Number: 510-70378-1
Sdg Number: 0058-373-01

Method Blank - Batch: 500-127081

Method: 6010B
Preparation: 3050B

Lab Sample ID:	MB 500-127081/1-A	Analysis Batch:	500-127294	Instrument ID:	ICP5
Client Matrix:	Solid	Prep Batch:	500-127081	Lab File ID:	P50930A
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	1.0000 g
Analysis Date:	09/30/2011 1127	Units:	mg/Kg	Final Weight/Volume:	100 mL
Prep Date:	09/29/2011 0925				
Leach Date:	N/A				

Analyte	Result	Qual	RL
Antimony	<2.0		2.0
Arsenic	<1.0		1.0
Barium	<1.0		1.0
Cadmium	<0.20		0.20
Chromium	<1.0		1.0
Copper	<1.0		1.0
Lead	<0.50		0.50
Nickel	<1.0		1.0
Selenium	<1.0		1.0
Silver	<0.50		0.50
Thallium	<1.0		1.0

Lab Control Sample - Batch: 500-127081

Method: 6010B
Preparation: 3050B

Lab Sample ID:	LCS 500-127081/2-A	Analysis Batch:	500-127294	Instrument ID:	ICP5
Client Matrix:	Solid	Prep Batch:	500-127081	Lab File ID:	P50930A
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	1.0000 g
Analysis Date:	09/30/2011 1134	Units:	mg/Kg	Final Weight/Volume:	100 mL
Prep Date:	09/29/2011 0925				
Leach Date:	N/A				

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
Antimony	50.0	46.5	93	80 - 120	
Arsenic	10.0	9.14	91	80 - 120	
Barium	200	190	95	80 - 120	
Cadmium	5.00	4.81	96	80 - 120	
Chromium	20.0	19.7	99	80 - 120	
Copper	25.0	24.9	100	80 - 120	
Lead	10.0	10.1	101	80 - 120	
Nickel	50.0	48.8	98	80 - 120	
Selenium	10.0	8.43	84	80 - 120	
Silver	5.00	4.53	91	80 - 120	
Thallium	10.0	9.58	96	80 - 120	

Client: Weaver Boos Consultants LLC

Job Number: 510-70378-1
Sdg Number: 0058-373-01

Method Reporting Limit Check - Batch: 500-127294

Method: 6010B
Preparation: N/A

Lab Sample ID:	MRL 500-127294/17	Analysis Batch:	500-127294	Instrument ID:	ICP5
Client Matrix:	Solid	Prep Batch:	N/A	Lab File ID:	P50930A
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	1.0 mL
Analysis Date:	09/30/2011 1121	Units:	mg/L	Final Weight/Volume:	1.0 mL
Prep Date:	N/A				
Leach Date:	N/A				

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
Antimony	0.0200	0.0222	111	80 - 120	
Arsenic	0.0100	0.0100	100	80 - 120	
Barium	0.0100	<0.010	100	80 - 120	
Cadmium	0.00200	0.00226	113	80 - 120	
Chromium	0.0100	0.0103	103	80 - 120	
Copper	0.0100	<0.010	99	80 - 120	
Lead	0.00500	<0.0050	93	80 - 120	
Nickel	0.0100	0.0106	106	80 - 120	
Selenium	0.0100	0.0101	101	80 - 120	
Silver	0.00500	0.00531	106	80 - 120	
Thallium	0.0100	0.0107	107	80 - 120	

Client: Weaver Boos Consultants LLC

Job Number: 510-70378-1
Sdg Number: 0058-373-01

Method Blank - Batch: 510-87274

Method: 7471A
Preparation: 7471A

Lab Sample ID:	MB 510-87274/1-A	Analysis Batch:	510-87339	Instrument ID:	MHGC
Client Matrix:	Solid	Prep Batch:	510-87274	Lab File ID:	092811hg.PRN
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	1.0 g
Analysis Date:	09/28/2011 1751	Units:	mg/Kg	Final Weight/Volume:	50 mL
Prep Date:	09/28/2011 1039				
Leach Date:	N/A				

Analyte	Result	Qual	RL
Mercury	<0.010		0.010

Lab Control Sample - Batch: 510-87274

Method: 7471A
Preparation: 7471A

Lab Sample ID:	LCS 510-87274/2-A	Analysis Batch:	510-87339	Instrument ID:	MHGC
Client Matrix:	Solid	Prep Batch:	510-87274	Lab File ID:	092811hg.PRN
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	0.1036 g
Analysis Date:	09/28/2011 1753	Units:	mg/Kg	Final Weight/Volume:	50 mL
Prep Date:	09/28/2011 1039				
Leach Date:	N/A				

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
Mercury	3.77	4.00	106	72 - 128	

Client: Weaver Boos Consultants LLC

Job Number: 510-70378-1
Sdg Number: 0058-373-01

Method Blank - Batch: 510-87163

Method: Moisture
Preparation: N/A

Lab Sample ID:	MB 510-87163/1	Analysis Batch:	510-87163	Instrument ID:	GBALB
Client Matrix:	Solid	Prep Batch:	N/A	Lab File ID:	N/A
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	
Analysis Date:	09/26/2011 1435	Units:	%	Final Weight/Volume:	
Prep Date:	N/A				
Leach Date:	N/A				

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: 510-70378-1
Sdg Number: 0058-373-01

Lab Section	Qualifier	Description
GC/MS VOA		
	X	Surrogate is outside control limits

Client: Weaver Boos Consultants LLC

Job Number: 510-70378-1
Sdg Number: 0058-373-01

QC Association Summary

Lab Sample ID	Client Sample ID	Report Basis	Client Matrix	Method	Prep Batch
GC/MS VOA					
Prep Batch: 460-88431					
510-70378-1	Foundry Fill #1	T	Solid	5035	
510-70378-2	Foundry Fill #2	T	Solid	5035	
Analysis Batch:460-88716					
LCS 460-88716/3	Lab Control Sample	T	Solid	8260B	
LCSD 460-88716/4	Lab Control Sample Duplicate	T	Solid	8260B	
MB 460-88716/5	Method Blank	T	Solid	8260B	
510-70378-1	Foundry Fill #1	T	Solid	8260B	460-88431
510-70378-2	Foundry Fill #2	T	Solid	8260B	460-88431

Report Basis
T = Total

Lab Sample ID	Client Sample ID	Report Basis	Client Matrix	Method	Prep Batch
GC/MS Semi VOA					
Prep Batch: 510-87346					
LCS 510-87346/2-A	Lab Control Sample	T	Solid	3541	
MB 510-87346/1-A	Method Blank	T	Solid	3541	
510-70378-1	Foundry Fill #1	T	Solid	3541	
510-70378-2	Foundry Fill #2	T	Solid	3541	
Analysis Batch:510-87438					
LCS 510-87346/2-A	Lab Control Sample	T	Solid	8270C SIM	510-87346
MB 510-87346/1-A	Method Blank	T	Solid	8270C SIM	510-87346
510-70378-1	Foundry Fill #1	T	Solid	8270C SIM	510-87346
510-70378-2	Foundry Fill #2	T	Solid	8270C SIM	510-87346
Analysis Batch:510-87497					
LCS 510-87346/2-A	Lab Control Sample	T	Solid	8270C	510-87346
MB 510-87346/1-A	Method Blank	T	Solid	8270C	510-87346
510-70378-1	Foundry Fill #1	T	Solid	8270C	510-87346
510-70378-2	Foundry Fill #2	T	Solid	8270C	510-87346

Report Basis
T = Total

Client: Weaver Boos Consultants LLC

Job Number: 510-70378-1
Sdg Number: 0058-373-01

QC Association Summary

Lab Sample ID	Client Sample ID	Report Basis	Client Matrix	Method	Prep Batch
GC Semi VOA					
Prep Batch: 510-87418					
LCS 510-87418/2-A	Lab Control Sample	T	Solid	3546	
MB 510-87418/1-A	Method Blank	T	Solid	3546	
510-70378-1DL	Foundry Fill #1	T	Solid	3546	
510-70378-2	Foundry Fill #2	T	Solid	3546	
Analysis Batch:510-87448					
LCS 510-87418/2-A	Lab Control Sample	T	Solid	8015B	510-87418
MB 510-87418/1-A	Method Blank	T	Solid	8015B	510-87418
Analysis Batch:510-87521					
510-70378-1DL	Foundry Fill #1	T	Solid	8015B	510-87418
Analysis Batch:510-87599					
510-70378-2	Foundry Fill #2	T	Solid	8015B	510-87418

Report Basis
T = Total

Client: Weaver Boos Consultants LLC

Job Number: 510-70378-1
Sdg Number: 0058-373-01

QC Association Summary

Lab Sample ID	Client Sample ID	Report Basis	Client Matrix	Method	Prep Batch
Metals					
Prep Batch: 510-87274					
LCS 510-87274/2-A	Lab Control Sample	T	Solid	7471A	
MB 510-87274/1-A	Method Blank	T	Solid	7471A	
510-70378-1	Foundry Fill #1	T	Solid	7471A	
510-70378-2	Foundry Fill #2	T	Solid	7471A	
Analysis Batch:510-87339					
LCS 510-87274/2-A	Lab Control Sample	T	Solid	7471A	510-87274
MB 510-87274/1-A	Method Blank	T	Solid	7471A	510-87274
510-70378-1	Foundry Fill #1	T	Solid	7471A	510-87274
510-70378-2	Foundry Fill #2	T	Solid	7471A	510-87274
Prep Batch: 500-127081					
LCS 500-127081/2-A	Lab Control Sample	T	Solid	3050B	
MB 500-127081/1-A	Method Blank	T	Solid	3050B	
510-70378-1	Foundry Fill #1	T	Solid	3050B	
510-70378-2	Foundry Fill #2	T	Solid	3050B	
Analysis Batch:500-127294					
LCS 500-127081/2-A	Lab Control Sample	T	Solid	6010B	500-127081
MB 500-127081/1-A	Method Blank	T	Solid	6010B	500-127081
510-70378-1	Foundry Fill #1	T	Solid	6010B	500-127081
510-70378-2	Foundry Fill #2	T	Solid	6010B	500-127081

Report Basis
T = Total

General Chemistry

Analysis Batch:510-87163					
MB 510-87163/1	Method Blank	T	Solid	Moisture	
510-70378-1	Foundry Fill #1	T	Solid	Moisture	
510-70378-2	Foundry Fill #2	T	Solid	Moisture	

Report Basis
T = Total

Client: Weaver Boos Consultants LLC

Job Number: 510-70378-1
SDG: 0058-373-01

Laboratory Chronicle

Lab ID: 510-70378-1 **Client ID: Foundry Fill #1**

Sample Date/Time: 09/23/2011 09:00 Received Date/Time: 09/23/2011 14:55

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:5035	510-70378-A-1-A		460-88716	460-88431	10/05/2011 19:30	1	TAL EDI	FJ
A:8260B	510-70378-A-1-A		460-88716	460-88431	10/07/2011 07:25	1	TAL EDI	AT
P:3541	510-70378-F-1-B		510-87497	510-87346	09/29/2011 08:23	1	TAL VAL	SNP
A:8270C	510-70378-F-1-B		510-87497	510-87346	10/02/2011 02:48	1	TAL VAL	WDS
P:3541	510-70378-F-1-B		510-87438	510-87346	09/29/2011 08:23	1	TAL VAL	SNP
A:8270C SIM	510-70378-F-1-B		510-87438	510-87346	09/30/2011 17:38	1	TAL VAL	WDS
P:3546	510-70378-F-1-C	DL	510-87521	510-87418	09/30/2011 07:50	5	TAL VAL	SNP
A:8015B	510-70378-F-1-C	DL	510-87521	510-87418	10/03/2011 11:53	5	TAL VAL	CLI
P:3050B	510-70378-E-1-A		500-127294	500-127081	09/29/2011 09:25	1	TAL CHI	PFK
A:6010B	510-70378-E-1-A		500-127294	500-127081	09/30/2011 14:29	1	TAL CHI	TDS
P:7471A	510-70378-F-1-A		510-87339	510-87274	09/28/2011 10:39	1	TAL VAL	LWN
A:7471A	510-70378-F-1-A		510-87339	510-87274	09/28/2011 18:25	1	TAL VAL	CM
A:Moisture	510-70378-F-1		510-87163		09/26/2011 14:35	1	TAL VAL	JLH

Lab ID: 510-70378-2 **Client ID: Foundry Fill #2**

Sample Date/Time: 09/23/2011 09:15 Received Date/Time: 09/23/2011 14:55

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:5035	510-70378-A-2-A		460-88716	460-88431	10/05/2011 19:30	1	TAL EDI	FJ
A:8260B	510-70378-A-2-A		460-88716	460-88431	10/07/2011 07:50	1	TAL EDI	AT
P:3541	510-70378-F-2-B		510-87497	510-87346	09/29/2011 08:23	1	TAL VAL	SNP
A:8270C	510-70378-F-2-B		510-87497	510-87346	10/02/2011 03:07	1	TAL VAL	WDS
P:3541	510-70378-F-2-B		510-87438	510-87346	09/29/2011 08:23	1	TAL VAL	SNP
A:8270C SIM	510-70378-F-2-B		510-87438	510-87346	09/30/2011 17:56	1	TAL VAL	WDS
P:3546	510-70378-F-2-C		510-87599	510-87418	09/30/2011 07:50	1	TAL VAL	SNP
A:8015B	510-70378-F-2-C		510-87599	510-87418	10/04/2011 21:46	1	TAL VAL	CLI
P:3050B	510-70378-E-2-A		500-127294	500-127081	09/29/2011 09:25	1	TAL CHI	PFK
A:6010B	510-70378-E-2-A		500-127294	500-127081	09/30/2011 14:36	1	TAL CHI	TDS
P:7471A	510-70378-F-2-A		510-87339	510-87274	09/28/2011 10:39	1	TAL VAL	LWN
A:7471A	510-70378-F-2-A		510-87339	510-87274	09/28/2011 18:27	1	TAL VAL	CM
A:Moisture	510-70378-F-2		510-87163		09/26/2011 14:35	1	TAL VAL	JLH

Client: Weaver Boos Consultants LLC

Job Number: 510-70378-1
SDG: 0058-373-01

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 460-88716/5		460-88716		10/07/2011 06:09	1	TAL EDI	AT
P:3541	MB 510-87346/1-A		510-87497	510-87346	09/29/2011 08:23	1	TAL VAL	SNP
A:8270C	MB 510-87346/1-A		510-87497	510-87346	10/01/2011 21:17	1	TAL VAL	WDS
P:3541	MB 510-87346/1-A		510-87438	510-87346	09/29/2011 08:23	1	TAL VAL	SNP
A:8270C SIM	MB 510-87346/1-A		510-87438	510-87346	09/30/2011 12:32	1	TAL VAL	WDS
P:3546	MB 510-87418/1-A		510-87448	510-87418	09/30/2011 07:50	1	TAL VAL	SNP
A:8015B	MB 510-87418/1-A		510-87448	510-87418	09/30/2011 15:40	1	TAL VAL	CLI
P:3050B	MB 500-127081/1-A		500-127294	500-127081	09/29/2011 09:25	1	TAL CHI	PFK
A:6010B	MB 500-127081/1-A		500-127294	500-127081	09/30/2011 11:27	1	TAL CHI	TDS
P:7471A	MB 510-87274/1-A		510-87339	510-87274	09/28/2011 10:39	1	TAL VAL	LWN
A:7471A	MB 510-87274/1-A		510-87339	510-87274	09/28/2011 17:51	1	TAL VAL	CM
A:Moisture	MB 510-87163/1		510-87163		09/26/2011 14:35	1	TAL VAL	JLH

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 460-88716/3		460-88716		10/07/2011 04:18	1	TAL EDI	AT
P:3541	LCS 510-87346/2-A		510-87497	510-87346	09/29/2011 08:23	1	TAL VAL	SNP
A:8270C	LCS 510-87346/2-A		510-87497	510-87346	10/01/2011 21:35	1	TAL VAL	WDS
P:3541	LCS 510-87346/2-A		510-87438	510-87346	09/29/2011 08:23	1	TAL VAL	SNP
A:8270C SIM	LCS 510-87346/2-A		510-87438	510-87346	09/30/2011 12:50	1	TAL VAL	WDS
P:3546	LCS 510-87418/2-A		510-87448	510-87418	09/30/2011 07:50	1	TAL VAL	SNP
A:8015B	LCS 510-87418/2-A		510-87448	510-87418	09/30/2011 16:12	1	TAL VAL	CLI
P:3050B	LCS 500-127081/2-A		500-127294	500-127081	09/29/2011 09:25	1	TAL CHI	PFK
A:6010B	LCS 500-127081/2-A		500-127294	500-127081	09/30/2011 11:34	1	TAL CHI	TDS
P:7471A	LCS 510-87274/2-A		510-87339	510-87274	09/28/2011 10:39	1	TAL VAL	LWN
A:7471A	LCS 510-87274/2-A		510-87339	510-87274	09/28/2011 17:53	1	TAL VAL	CM

Lab ID: LCSD **Client ID: N/A**

Sample Date/Time: N/A Received Date/Time: N/A

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
A:8260B	LCSD 460-88716/4		460-88716		10/07/2011 04:43	1	TAL EDI	AT

Lab ID: MRL **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:6010B	MRL 500-127294/17		500-127294		09/30/2011 11:21	1	TAL CHI	TDS

Client: Weaver Boos Consultants LLC

Job Number: 510-70378-1
SDG: 0058-373-01

Laboratory Chronicle

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

Method 8260B

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

FORM II
GC/MS VOA SURROGATE RECOVERY

Lab Name: TestAmerica Edison Job No.: 510-70378-1

SDG No.: 0058-373-01

Matrix: Solid Level: Low

GC Column (1): DB-624 ID: 0.18(mm)

Client Sample ID	Lab Sample ID	DCA #	TOL #
Foundry Fill #1	510-70378-1	139 X	115
Foundry Fill #2	510-70378-2	139 X	112
	MB 460-88716/5	107	110
	LCS 460-88716/3	115	113
	LCSD 460-88716/4	112	111

	QC LIMITS
DCA = 1,2-Dichloroethane-d4 (Surr)	70-138
TOL = Toluene-d8 (Surr)	66-126

Column to be used to flag recovery values

FORM II 8260B

FORM III
GC/MS VOA LAB CONTROL SAMPLE RECOVERY

Lab Name: TestAmerica Edison Job No.: 510-70378-1

SDG No.: 0058-373-01

Matrix: Solid Level: Low Lab File ID: o52473.d

Lab ID: LCS 460-88716/3 Client ID:

COMPOUND	SPIKE ADDED (mg/Kg)	LCS CONCENTRATION (mg/Kg)	LCS % REC	QC LIMITS REC	#
Acetone	0.0200	0.0224	112	27-164	
Acrolein	0.300	0.331	110	10-163	
Benzene	0.0200	0.0201	100	77-117	
Bromodichloromethane	0.0200	0.0185	92	79-119	
Bromoform	0.0200	0.0155	78	59-125	
Bromomethane	0.0200	0.0272	136	54-142	
Carbon disulfide	0.0200	0.0204	102	72-128	
Carbon tetrachloride	0.0200	0.0189	94	79-118	
Chlorobenzene	0.0200	0.0194	97	80-120	
Chlorodibromomethane	0.0200	0.0169	84	68-120	
Chloroethane	0.0200	0.0231	115	56-146	
Chloroform	0.0200	0.0200	100	77-120	
Chloromethane	0.0200	0.0217	109	50-151	
cis-1,2-Dichloroethylene	0.0200	0.0209	104	80-120	
cis-1,3-Dichloropropene	0.0200	0.0194	97	80-123	
Cyclohexane	0.0200	0.0207	103	80-121	
1,2-Dibromoethane	0.0200	0.0196	98	75-117	
1,1-Dichlorethylene	0.0200	0.0210	105	71-126	
1,1-Dichloroethane	0.0200	0.0207	103	76-125	
1,2-Dichloroethane	0.0200	0.0200	100	76-118	
1,2-Dichloropropane	0.0200	0.0195	98	82-122	
Ethyl acetate	0.0400	0.0443	111	66-129	
Ethylbenzene	0.0200	0.0185	93	81-121	
Iodomethane	0.0200	0.0218	109	59-134	
Isopropylbenzene	0.0200	0.0198	99	65-129	
Methyl acetate	0.0200	0.0204	102	73-137	
Methyl Butyl Ketone (2-Hexanone)	0.0200	0.0201	101	70-122	
Methylcyclohexane	0.0200	0.0203	101	78-118	
Methylene Chloride	0.0200	0.0217	108	74-137	
Methyl ethyl ketone (MEK)	0.0200	0.0223	111	77-117	
4-Methyl-2-pentanone (MIBK)	0.0200	0.0208	104	68-120	
Methyl tert-butyl ether	0.0200	0.0214	107	78-120	
m-Xylene & p-Xylene	0.0400	0.0373	93	81-121	
n-Butanol	1.50	1.50	100	64-130	
n-Hexane	0.0200	0.0210	105	71-128	
n-Propylbenzene	0.0200	0.0199	99	81-121	
o-Xylene	0.0200	0.0190	95	82-122	
Styrene	0.0200	0.0189	94	82-122	
1,1,1,2-Tetrachloroethane	0.0200	0.0179	90	60-126	
1,1,2,2-Tetrachloroethane	0.0200	0.0195	98	79-122	
Tetrachloroethylene	0.0200	0.0193	97	80-120	

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 Edison Job No.: 510-70378-1

SDG No.: 0058-373-01

Matrix: Solid Level: Low Lab File ID: o52473.d

Lab ID: LCS 460-88716/3 Client ID:

COMPOUND	SPIKE ADDED (mg/Kg)	LCS CONCENTRATION (mg/Kg)	LCS % REC	QC LIMITS REC	#
Toluene	0.0200	0.0221	110	75-115	
trans-1,2-Dichloroethylene	0.0200	0.0206	103	75-122	
trans-1,3-Dichloropropene	0.0200	0.0185	93	67-121	
1,1,1-Trichloroethane	0.0200	0.0198	99	78-117	
1,1,2-Trichloroethane	0.0200	0.0191	96	73-118	
Trichloroethene	0.0200	0.0196	98	79-119	
Trichlorofluoromethane	0.0200	0.0218	109	61-139	
1,2,4-Trimethylbenzene	0.0200	0.0193	96	81-121	
1,3,5-Trimethylbenzene	0.0200	0.0195	98	82-122	
Vinyl acetate	0.0200	0.0198	99	52-116	
Vinyl chloride	0.0200	0.0213	107	67-133	
Xylenes, Total	0.0600	0.0563	94	82-122	

Column to be used to flag recovery and RPD values

FORM III 8260B

FORM III
GC/MS VOA LAB CONTROL SAMPLE DUPLICATE RECOVERY

Lab Name: TestAmerica Edison Job No.: 510-70378-1

SDG No.: 0058-373-01

Matrix: Solid Level: Low Lab File ID: o52474.d

Lab ID: LCSD 460-88716/4 Client ID:

COMPOUND	SPIKE ADDED (mg/Kg)	LCSD CONCENTRATION (mg/Kg)	LCSD % REC	% RPD	QC LIMITS RPD	QC LIMITS REC	#
Acetone	0.0200	0.0237	118	6	30	27-164	
Acrolein	0.300	0.317	106	4	30	10-163	
Benzene	0.0200	0.0194	97	3	30	77-117	
Bromodichloromethane	0.0200	0.0188	94	2	30	79-119	
Bromoform	0.0200	0.0153	77	1	30	59-125	
Bromomethane	0.0200	0.0225	112	19	30	54-142	
Carbon disulfide	0.0200	0.0186	93	10	30	72-128	
Carbon tetrachloride	0.0200	0.0182	91	4	30	79-118	
Chlorobenzene	0.0200	0.0190	95	2	30	80-120	
Chlorodibromomethane	0.0200	0.0167	84	1	30	68-120	
Chloroethane	0.0200	0.0213	106	8	30	56-146	
Chloroform	0.0200	0.0195	98	3	30	77-120	
Chloromethane	0.0200	0.0184	92	16	30	50-151	
cis-1,2-Dichloroethylene	0.0200	0.0200	100	4	30	80-120	
cis-1,3-Dichloropropene	0.0200	0.0193	97	1	30	80-123	
Cyclohexane	0.0200	0.0195	98	6	30	80-121	
1,2-Dibromoethane	0.0200	0.0189	94	4	30	75-117	
1,1-Dichlorethylene	0.0200	0.0189	94	10	30	71-126	
1,1-Dichloroethane	0.0200	0.0200	100	3	30	76-125	
1,2-Dichloroethane	0.0200	0.0201	100	0	30	76-118	
1,2-Dichloropropane	0.0200	0.0193	96	1	30	82-122	
Ethyl acetate	0.0400	0.0351	88	23	30	66-129	
Ethylbenzene	0.0200	0.0185	92	0	30	81-121	
Iodomethane	0.0200	0.0202	101	8	30	59-134	
Isopropylbenzene	0.0200	0.0195	98	1	30	65-129	
Methyl acetate	0.0200	0.0189	95	8	30	73-137	
Methyl Butyl Ketone (2-Hexanone)	0.0200	0.0188	94	7	30	70-122	
Methylcyclohexane	0.0200	0.0190	95	7	30	78-118	
Methylene Chloride	0.0200	0.0206	103	5	30	74-137	
Methyl ethyl ketone (MEK)	0.0200	0.0220	110	1	30	77-117	
4-Methyl-2-pentanone (MIBK)	0.0200	0.0194	97	7	30	68-120	
Methyl tert-butyl ether	0.0200	0.0200	100	6	30	78-120	
m-Xylene & p-Xylene	0.0400	0.0369	92	1	30	81-121	
n-Butanol	1.50	1.36	91	9	30	64-130	
n-Hexane	0.0200	0.0190	95	10	30	71-128	
n-Propylbenzene	0.0200	0.0193	97	3	30	81-121	
o-Xylene	0.0200	0.0182	91	4	30	82-122	
Styrene	0.0200	0.0185	93	2	30	82-122	
1,1,1,2-Tetrachloroethane	0.0200	0.0176	88	2	30	60-126	
1,1,2,2-Tetrachloroethane	0.0200	0.0187	94	4	30	79-122	
Tetrachloroethylene	0.0200	0.0192	96	1	30	80-120	

Column to be used to flag recovery and RPD values

FORM III 8260B

FORM III
GC/MS VOA LAB CONTROL SAMPLE DUPLICATE RECOVERY

Lab Name: TestAmerica Edison Job No.: 510-70378-1

SDG No.: 0058-373-01

Matrix: Solid Level: Low Lab File ID: o52474.d

Lab ID: LCSD 460-88716/4 Client ID:

COMPOUND	SPIKE ADDED (mg/Kg)	LCSD CONCENTRATION (mg/Kg)	LCSD % REC	% RPD	QC LIMITS RPD	QC LIMITS REC	#
Toluene	0.0200	0.0214	107	3	30	75-115	
trans-1,2-Dichloroethylene	0.0200	0.0192	96	7	30	75-122	
trans-1,3-Dichloropropene	0.0200	0.0181	91	2	30	67-121	
1,1,1-Trichloroethane	0.0200	0.0185	93	7	30	78-117	
1,1,2-Trichloroethane	0.0200	0.0192	96	0	30	73-118	
Trichloroethene	0.0200	0.0193	97	2	30	79-119	
Trichlorofluoromethane	0.0200	0.0201	100	8	30	61-139	
1,2,4-Trimethylbenzene	0.0200	0.0188	94	3	30	81-121	
1,3,5-Trimethylbenzene	0.0200	0.0193	96	1	30	82-122	
Vinyl acetate	0.0200	0.0201	100	1	30	52-116	
Vinyl chloride	0.0200	0.0196	98	8	30	67-133	
Xylenes, Total	0.0600	0.0551	92	2	30	82-122	

Column to be used to flag recovery and RPD values

FORM III 8260B

FORM IV
GC/MS VOA METHOD BLANK SUMMARY

Lab Name: TestAmerica Edison Job No.: 510-70378-1

SDG No.: 0058-373-01

Lab File ID: o52477.d Lab Sample ID: MB 460-88716/5

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

Instrument ID: VOAMS12 Date Analyzed: 10/07/2011 06:09

GC Column: DB-624 ID: 0.18(mm)

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES:

CLIENT SAMPLE ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
	LCS 460-88716/3	o52473.d	10/07/2011 04:18
	LCSD 460-88716/4	o52474.d	10/07/2011 04:43
Foundry Fill #1	510-70378-1	o52480.d	10/07/2011 07:25
Foundry Fill #2	510-70378-2	o52481.d	10/07/2011 07:50

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

Lab Name: TestAmerica Edison Job No.: 510-70378-1

SDG No.: 0058-373-01

Lab File ID: o52391.d BFB Injection Date: 10/05/2011

Instrument ID: VOAMS12 BFB Injection Time: 05:53

Analysis Batch No.: 88343

M/E	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE	
50	15.0 - 40.0 % of mass 95	19.7	
75	30.0 - 60.0 % of mass 95	49.4	
95	Base Peak, 100% relative abundance	100.0	
96	5.0 - 9.0 % of mass 95	6.6	
173	Less than 2.0 % of mass 174	0.7	(0.8)1
174	50.0 - 120.00 % of mass 95	93.4	
175	5.0 - 9.0 % of mass 174	7.0	(7.5)1
176	95.0 - 101.0 % of mass 174	90.6	(97.0)1
177	5.0 - 9.0 % of mass 176	6.3	(7.0)2

1-Value is % mass 174 2-Value is % mass 176

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

CLIENT SAMPLE ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
	ICIS 460-88343/4	o52392.d	10/05/2011	06:28
	IC 460-88343/2	o52394.d	10/05/2011	07:19
	IC 460-88343/3	o52396.d	10/05/2011	08:09
	IC 460-88343/5	o52399.d	10/05/2011	09:25
	IC 460-88343/6	o52400.d	10/05/2011	09:50
	IC 460-88343/7	o52401.d	10/05/2011	10:16

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

Lab Name: TestAmerica Edison Job No.: 510-70378-1

SDG No.: 0058-373-01

Lab File ID: o52471.d BFB Injection Date: 10/07/2011

Instrument ID: VOAMS12 BFB Injection Time: 03:18

Analysis Batch No.: 88716

M/E	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE	
50	15.0 - 40.0 % of mass 95	22.9	
75	30.0 - 60.0 % of mass 95	53.9	
95	Base Peak, 100% relative abundance	100.0	
96	5.0 - 9.0 % of mass 95	6.7	
173	Less than 2.0 % of mass 174	1.2	(1.3)1
174	50.0 - 120.00 % of mass 95	86.3	
175	5.0 - 9.0 % of mass 174	6.3	(7.3)1
176	95.0 - 101.0 % of mass 174	84.8	(98.2)1
177	5.0 - 9.0 % of mass 176	5.6	(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
	CCVIS 460-88716/2	o52472.d	10/07/2011	03:53
	LCS 460-88716/3	o52473.d	10/07/2011	04:18
	LCSD 460-88716/4	o52474.d	10/07/2011	04:43
	MB 460-88716/5	o52477.d	10/07/2011	06:09
Foundry Fill #1	510-70378-1	o52480.d	10/07/2011	07:25
Foundry Fill #2	510-70378-2	o52481.d	10/07/2011	07:50

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

Lab Name: TestAmerica Edison Job No.: 510-70378-1

SDG No.: 0058-373-01

Sample No.: CCVIS 460-88716/2 Date Analyzed: 10/07/2011 03:53

Instrument ID: VOAMS12 GC Column: DB-624 ID: 0.18(mm)

Lab File ID (Standard): o52472.d Heated Purge: (Y/N) Y

Calibration ID: 12589

		FB		CBZ		DCB	
		AREA #	RT #	AREA #	RT #	AREA #	RT #
12/24 HOUR STD		1215544	3.65	935790	7.21	465161	10.88
UPPER LIMIT		2431088	4.15	1871580	7.71	930322	11.38
LOWER LIMIT		607772	3.15	467895	6.71	232581	10.38
LAB SAMPLE ID	CLIENT SAMPLE ID						
LCS 460-88716/3		1161491	3.65	883024	7.21	439376	10.88
LCSD 460-88716/4		1168734	3.65	902050	7.21	451722	10.88
MB 460-88716/5		1111127	3.65	847766	7.21	431216	10.88
510-70378-1	Foundry Fill #1	1080445	3.65	849510	7.21	457067	10.88
510-70378-2	Foundry Fill #2	1104953	3.65	881668	7.21	470433	10.88

FB = Fluorobenzene
CBZ = Chlorobenzene-d5
DCB = 1,4-Dichlorobenzene-d4

Area Limit = 50%-200% of internal standard area
RT Limit = ± 0.5 minutes of internal standard RT

Column used to flag values outside QC limits

FORM VIII 8260B

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Edison | Job No.: 510-70378-1

SDG No.: 0058-373-01

Client Sample ID: Foundry Fill #1 | Lab Sample ID: 510-70378-1

Matrix: Solid | Lab File ID: o52480.d

Analysis Method: 8260B | Date Collected: 09/23/2011 09:00

Sample wt/vol: 5.428(g) | Date Analyzed: 10/07/2011 07:25

Soil Aliquot Vol: | Dilution Factor: 1

Soil Extract Vol.: | GC Column: DB-624 ID: 0.18(mm)

% Moisture: 5.8 | Level: (low/med) Low

Analysis Batch No.: 88716 | Units: mg/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
67-64-1	Acetone	0.068		0.0098	0.0036
107-02-8	Acrolein	<0.098		0.098	0.022
71-43-2	Benzene	<0.00098		0.00098	0.00072
75-27-4	Bromodichloromethane	<0.00098		0.00098	0.00030
75-25-2	Bromoform	<0.00098		0.00098	0.00069
74-83-9	Bromomethane	<0.00098		0.00098	0.00040
75-15-0	Carbon disulfide	<0.00098		0.00098	0.00045
56-23-5	Carbon tetrachloride	<0.00098		0.00098	0.000099
108-90-7	Chlorobenzene	<0.00098		0.00098	0.00047
124-48-1	Chlorodibromomethane	<0.00098		0.00098	0.00055
75-00-3	Chloroethane	<0.00098		0.00098	0.00039
67-66-3	Chloroform	<0.00098		0.00098	0.00023
74-87-3	Chloromethane	<0.00098		0.00098	0.00062
156-59-2	cis-1,2-Dichloroethylene	<0.00098		0.00098	0.00023
10061-01-5	cis-1,3-Dichloropropene	<0.00098		0.00098	0.00020
110-82-7	Cyclohexane	<0.00098		0.00098	0.00022
106-93-4	1,2-Dibromoethane	<0.00098		0.00098	0.00051
75-35-4	1,1-Dichlorethylene	<0.00098		0.00098	0.00036
75-34-3	1,1-Dichloroethane	<0.00098		0.00098	0.00025
107-06-2	1,2-Dichloroethane	<0.00098		0.00098	0.00038
78-87-5	1,2-Dichloropropane	<0.00098		0.00098	0.00031
141-78-6	Ethyl acetate	<0.00098		0.00098	0.0012
100-41-4	Ethylbenzene	<0.00098		0.00098	0.00019
74-88-4	Iodomethane	<0.00098		0.00098	0.00037
98-82-8	Isopropylbenzene	<0.00098		0.00098	0.00025
79-20-9	Methyl acetate	<0.00098		0.00098	0.00088
591-78-6	Methyl Butyl Ketone (2-Hexanone)	<0.0098		0.0098	0.0016
108-87-2	Methylcyclohexane	<0.00098		0.00098	0.00027
75-09-2	Methylene Chloride	<0.00098		0.00098	0.00046
78-93-3	Methyl ethyl ketone (MEK)	<0.0098		0.0098	0.00056
108-10-1	4-Methyl-2-pentanone (MIBK)	<0.0098		0.0098	0.00070
1634-04-4	Methyl tert-butyl ether	<0.00098		0.00098	0.00034
71-36-3	n-Butanol	<0.49		0.49	0.070
110-54-3	n-Hexane	<0.00098		0.00098	0.00034
103-65-1	n-Propylbenzene	<0.00098		0.00098	0.00025
100-42-5	Styrene	<0.00098		0.00098	0.00034

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Edison | Job No.: 510-70378-1

SDG No.: 0058-373-01

Client Sample ID: Foundry Fill #1 | Lab Sample ID: 510-70378-1

Matrix: Solid | Lab File ID: o52480.d

Analysis Method: 8260B | Date Collected: 09/23/2011 09:00

Sample wt/vol: 5.428(g) | Date Analyzed: 10/07/2011 07:25

Soil Aliquot Vol: | Dilution Factor: 1

Soil Extract Vol.: | GC Column: DB-624 ID: 0.18(mm)

% Moisture: 5.8 | Level: (low/med) Low

Analysis Batch No.: 88716 | Units: mg/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
630-20-6	1,1,1,2-Tetrachloroethane	<0.00098		0.00098	0.00069
79-34-5	1,1,2,2-Tetrachloroethane	<0.00098		0.00098	0.00074
127-18-4	Tetrachloroethylene	<0.00098		0.00098	0.00032
108-88-3	Toluene	<0.00098		0.00098	0.00029
156-60-5	trans-1,2-Dichloroethylene	<0.00098		0.00098	0.00028
10061-02-6	trans-1,3-Dichloropropene	<0.00098		0.00098	0.00022
71-55-6	1,1,1-Trichloroethane	<0.00098		0.00098	0.00018
79-00-5	1,1,2-Trichloroethane	<0.00098		0.00098	0.00058
79-01-6	Trichloroethene	<0.00098		0.00098	0.00036
75-69-4	Trichlorofluoromethane	<0.00098		0.00098	0.00025
95-63-6	1,2,4-Trimethylbenzene	<0.00098		0.00098	0.00025
108-67-8	1,3,5-Trimethylbenzene	<0.00098		0.00098	0.00023
108-05-4	Vinyl acetate	<0.00098		0.00098	0.00037
75-01-4	Vinyl chloride	<0.00098		0.00098	0.00023
1330-20-7	Xylenes, Total	<0.0029		0.0029	0.00077

CAS NO.	SURROGATE	%REC	Q	LIMITS
17060-07-0	1,2-Dichloroethane-d4 (Surr)	139	X	70-138
2037-26-5	Toluene-d8 (Surr)	115		66-126

Data File: /chem/VOAMS12.i/8260L_10/10-05-11/07oct11.b/o52480.d
Report Date: 07-Oct-2011 14:07

TestAmerica

VOLATILE ORGANIC COMPOUND ANALYSIS

Data file : /chem/VOAMS12.i/8260L_10/10-05-11/07oct11.b/o52480.d
Lab Smp Id: 510-70378-A-1-A Client Smp ID: Foundry Fill #1
Inj Date : 07-OCT-2011 07:25
Operator : VOAMS 9 Inst ID: VOAMS12.i
Smp Info : 510-70378-A-1-A;;;5.42;5
Misc Info : 510-70378-A-1-A
Comment   :
Method   : /chem/VOAMS12.i/8260L_10/10-05-11/07oct11.b/8260L_10.m
Meth Date : 07-Oct-2011 04:11 audberto Quant Type: ISTD
Cal Date : 05-OCT-2011 10:16 Cal File: o52401.d
Als bottle: 9
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: all.sub
Target Version: 3.50
Processing Host: hpd2

Concentration Formula: Amt * DF * ((Vt/Ws)/((100-M)/100)) * CpndVariable

Name	Value	Description
DF	1.00000	Dilution Factor
Vt	5.00000	Volume of final extract (mL)
Ws	5.42800	Weight of sample extracted (g)
M	0.00000	% Moisture (not decanted)

Cpnd Variable Local Compound Variable

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/L)	CONCENTRATIONS FINAL (ug/Kg)
	121 n-Pentane	72	1.346	1.339	(0.368)	2213	1.31178	1.2
	7 Acetone	43	1.604	1.611	(0.439)	137910	69.3570	64
	18 2-Butanone	72	2.721	2.714	(0.745)	5748	8.39198	7.7(a)
	59 Cyclohexane	56	3.122	3.122	(0.855)	5201	0.33420	0.31(a)
$	16 1,2-Dichloroethane-d4 (SUR)	65	3.351	3.352	(0.918)	305535	69.6212	64(R)
*	69 Fluorobenzene	96	3.652	3.652	(1.000)	1080445	50.0000	
	126 Methyl cyclohexane	83	4.175	4.182	(1.143)	6635	0.41737	0.38(a)
$	37 Toluene-d8 (SUR)	98	5.336	5.336	(0.740)	1002562	57.5178	53
	38 Toluene	91	5.414	5.414	(0.751)	10041	0.31324	0.29(a)
*	32 Chlorobenzene-d5	117	7.212	7.212	(1.000)	849510	50.0000	
$	41 Bromofluorobenzene (SUR)	174	9.010	9.017	(0.828)	372564	54.4724	50
*	91 1,4-Dichlorobenzene-d4	152	10.880	10.880	(1.000)	457067	50.0000	

Data File: /chem/VOAMS12.i/8260L_10/10-05-11/07oct11.b/o52480.d
Report Date: 07-Oct-2011 14:07

QC Flag Legend

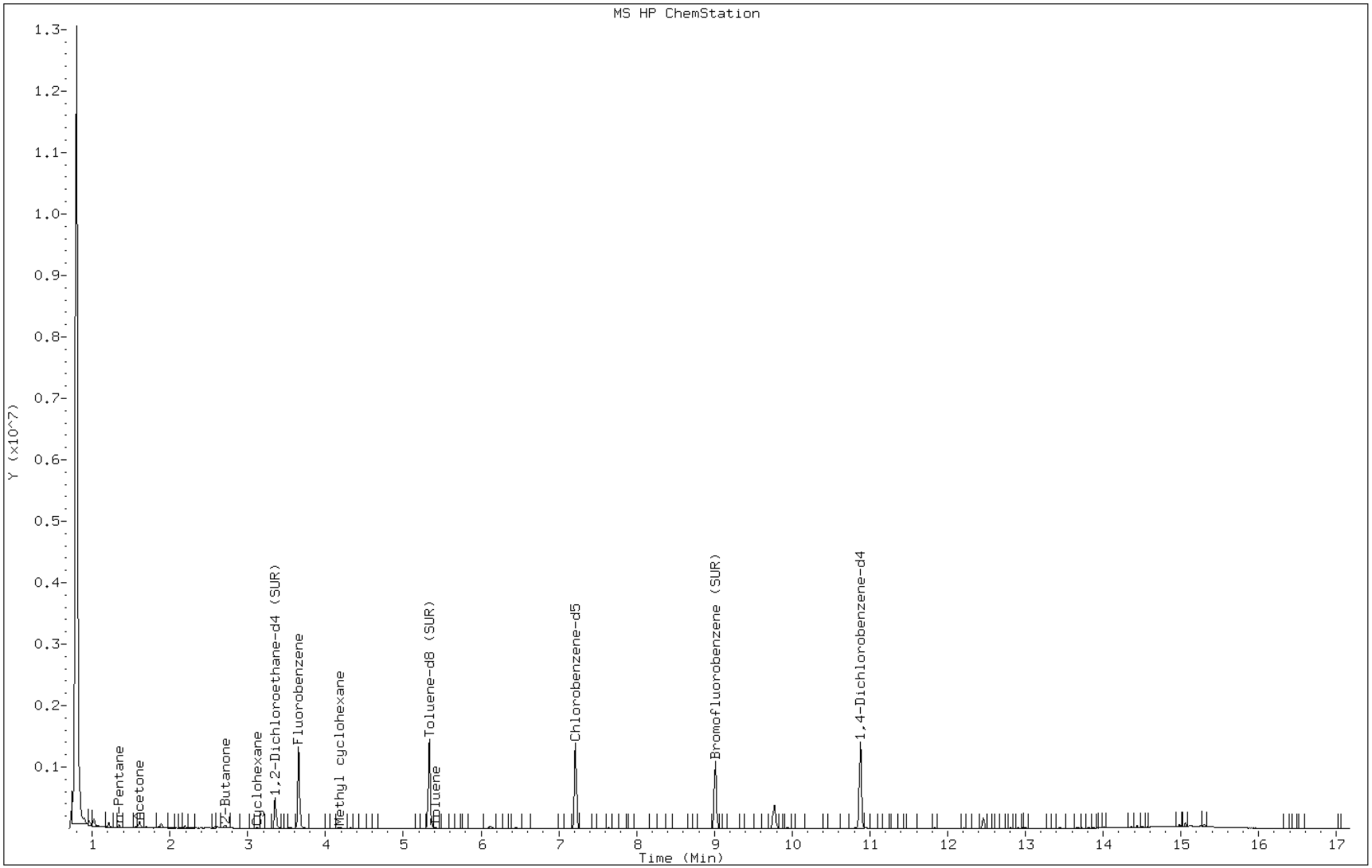
a - Target compound detected but, quantitated amount
    Below Limit Of Quantitation(BLOQ).
R - Spike/Surrogate failed recovery limits.

Data File: o52480.d

Date: 07-OCT-2011 07:25

Client ID: Foundry Fill #1 Instrument: VOAMS12.i

Sample Info: 510-70378-A-1-A;;;5.42;5 Operator: VOAMS 9



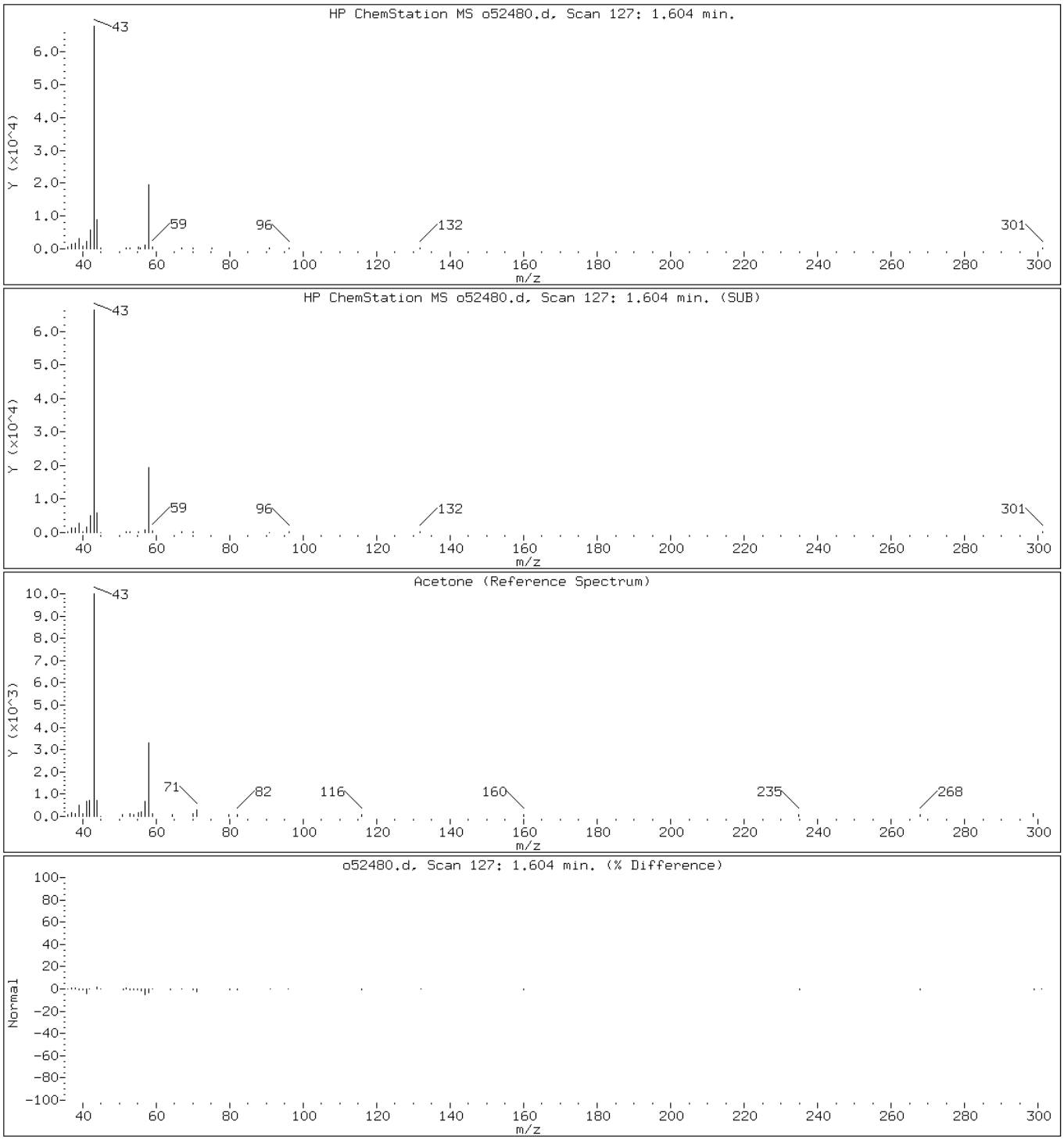
Data File: o52480.d

Date: 07-OCT-2011 07:25

Client ID: Foundry Fill #1 Instrument: VOAMS12.i

Sample Info: 510-70378-A-1-A;;;5.42;5 Operator: VOAMS 9

7 Acetone



FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Edison | Job No.: 510-70378-1

SDG No.: 0058-373-01

Client Sample ID: Foundry Fill #2 | Lab Sample ID: 510-70378-2

Matrix: Solid | Lab File ID: o52481.d

Analysis Method: 8260B | Date Collected: 09/23/2011 09:15

Sample wt/vol: 4.428(g) | Date Analyzed: 10/07/2011 07:50

Soil Aliquot Vol: | Dilution Factor: 1

Soil Extract Vol.: | GC Column: DB-624 ID: 0.18(mm)

% Moisture: 5.7 | Level: (low/med) Low

Analysis Batch No.: 88716 | Units: mg/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
67-64-1	Acetone	0.096		0.012	0.0044
107-02-8	Acrolein	<0.12		0.12	0.027
71-43-2	Benzene	0.0029		0.0012	0.00089
75-27-4	Bromodichloromethane	<0.0012		0.0012	0.00036
75-25-2	Bromoform	<0.0012		0.0012	0.00084
74-83-9	Bromomethane	<0.0012		0.0012	0.00049
75-15-0	Carbon disulfide	<0.0012		0.0012	0.00056
56-23-5	Carbon tetrachloride	<0.0012		0.0012	0.00012
108-90-7	Chlorobenzene	<0.0012		0.0012	0.00058
124-48-1	Chlorodibromomethane	<0.0012		0.0012	0.00067
75-00-3	Chloroethane	<0.0012		0.0012	0.00048
67-66-3	Chloroform	<0.0012		0.0012	0.00028
74-87-3	Chloromethane	<0.0012		0.0012	0.00076
156-59-2	cis-1,2-Dichloroethylene	<0.0012		0.0012	0.00028
10061-01-5	cis-1,3-Dichloropropene	<0.0012		0.0012	0.00024
110-82-7	Cyclohexane	<0.0012		0.0012	0.00027
106-93-4	1,2-Dibromoethane	<0.0012		0.0012	0.00062
75-35-4	1,1-Dichlorethylene	<0.0012		0.0012	0.00044
75-34-3	1,1-Dichloroethane	<0.0012		0.0012	0.00030
107-06-2	1,2-Dichloroethane	<0.0012		0.0012	0.00047
78-87-5	1,2-Dichloropropane	<0.0012		0.0012	0.00038
141-78-6	Ethyl acetate	<0.0012		0.0012	0.0014
100-41-4	Ethylbenzene	<0.0012		0.0012	0.00023
74-88-4	Iodomethane	<0.0012		0.0012	0.00045
98-82-8	Isopropylbenzene	<0.0012		0.0012	0.00031
79-20-9	Methyl acetate	<0.0012		0.0012	0.0011
591-78-6	Methyl Butyl Ketone (2-Hexanone)	<0.012		0.012	0.0020
108-87-2	Methylcyclohexane	<0.0012		0.0012	0.00033
75-09-2	Methylene Chloride	<0.0012		0.0012	0.00056
78-93-3	Methyl ethyl ketone (MEK)	0.012		0.012	0.00068
108-10-1	4-Methyl-2-pentanone (MIBK)	<0.012		0.012	0.00086
1634-04-4	Methyl tert-butyl ether	<0.0012		0.0012	0.00041
71-36-3	n-Butanol	<0.60		0.60	0.086
110-54-3	n-Hexane	0.013		0.0012	0.00042
103-65-1	n-Propylbenzene	<0.0012		0.0012	0.00031
100-42-5	Styrene	<0.0012		0.0012	0.00041

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Edison | Job No.: 510-70378-1

SDG No.: 0058-373-01

Client Sample ID: Foundry Fill #2 | Lab Sample ID: 510-70378-2

Matrix: Solid | Lab File ID: o52481.d

Analysis Method: 8260B | Date Collected: 09/23/2011 09:15

Sample wt/vol: 4.428(g) | Date Analyzed: 10/07/2011 07:50

Soil Aliquot Vol: | Dilution Factor: 1

Soil Extract Vol.: | GC Column: DB-624 ID: 0.18(mm)

% Moisture: 5.7 | Level: (low/med) Low

Analysis Batch No.: 88716 | Units: mg/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
630-20-6	1,1,1,2-Tetrachloroethane	<0.0012		0.0012	0.00084
79-34-5	1,1,2,2-Tetrachloroethane	<0.0012		0.0012	0.00091
127-18-4	Tetrachloroethylene	<0.0012		0.0012	0.00039
108-88-3	Toluene	0.0013		0.0012	0.00036
156-60-5	trans-1,2-Dichloroethylene	<0.0012		0.0012	0.00034
10061-02-6	trans-1,3-Dichloropropene	<0.0012		0.0012	0.00026
71-55-6	1,1,1-Trichloroethane	<0.0012		0.0012	0.00022
79-00-5	1,1,2-Trichloroethane	<0.0012		0.0012	0.00071
79-01-6	Trichloroethene	<0.0012		0.0012	0.00043
75-69-4	Trichlorofluoromethane	<0.0012		0.0012	0.00031
95-63-6	1,2,4-Trimethylbenzene	<0.0012		0.0012	0.00030
108-67-8	1,3,5-Trimethylbenzene	<0.0012		0.0012	0.00028
108-05-4	Vinyl acetate	<0.0012		0.0012	0.00045
75-01-4	Vinyl chloride	<0.0012		0.0012	0.00028
1330-20-7	Xylenes, Total	<0.0036		0.0036	0.00094

CAS NO.	SURROGATE	%REC	Q	LIMITS
17060-07-0	1,2-Dichloroethane-d4 (Surr)	139	X	70-138
2037-26-5	Toluene-d8 (Surr)	112		66-126

Data File: /chem/VOAMS12.i/8260L_10/10-05-11/07oct11.b/o52481.d
Report Date: 07-Oct-2011 14:36

TestAmerica

VOLATILE ORGANIC COMPOUND ANALYSIS

Data file : /chem/VOAMS12.i/8260L_10/10-05-11/07oct11.b/o52481.d
Lab Smp Id: 510-70378-A-2-A Client Smp ID: Foundry Fill #2
Inj Date : 07-OCT-2011 07:50
Operator : VOAMS 9 Inst ID: VOAMS12.i
Smp Info : 510-70378-A-2-A;;;4.42;5
Misc Info : 510-70378-A-2-A
Comment   :
Method   : /chem/VOAMS12.i/8260L_10/10-05-11/07oct11.b/8260L_10.m
Meth Date : 07-Oct-2011 04:11 audberto Quant Type: ISTD
Cal Date : 05-OCT-2011 10:16 Cal File: o52401.d
Als bottle: 10
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: all.sub
Target Version: 3.50
Processing Host: hpd2

Concentration Formula: Amt * DF * ((Vt/Ws)/((100-M)/100)) * CpndVariable

Name	Value	Description
DF	1.00000	Dilution Factor
Vt	5.00000	Volume of final extract (mL)
Ws	4.42800	Weight of sample extracted (g)
M	0.00000	% Moisture (not decanted)

Cpnd Variable Local Compound Variable

		QUANT SIG					CONCENTRATIONS ON-COLUMN	FINAL
Compounds		MASS	RT	EXP RT	REL RT	RESPONSE	(ug/L)	(ug/Kg)
	121 n-Pentane	72	1.346	1.339	(0.368)	64435	37.3474	42
	119 Isoprene	67	1.468	1.460	(0.402)	35905	2.67491	3.0(H)
	7 Acetone	43	1.604	1.611	(0.439)	162931	80.1229	90
	51 TBA	59	1.933	1.933	(0.529)	36783	51.8961	58
	54 Hexane	56	2.191	2.191	(0.600)	91790	11.2195	13
	18 2-Butanone	72	2.721	2.714	(0.745)	7289	10.4058	12
$	16 1,2-Dichloroethane-d4 (SUR)	65	3.352	3.352	(0.918)	312559	69.6421	79(R)
	28 Benzene	78	3.395	3.394	(0.929)	76121	2.39638	2.7
*	69 Fluorobenzene	96	3.652	3.652	(1.000)	1104953	50.0000	
$	37 Toluene-d8 (SUR)	98	5.336	5.336	(0.740)	1009108	55.7818	63
	38 Toluene	91	5.415	5.414	(0.751)	36454	1.09574	1.2
*	32 Chlorobenzene-d5	117	7.213	7.212	(1.000)	881668	50.0000	
$	41 Bromofluorobenzene (SUR)	174	9.018	9.017	(0.829)	378421	53.7568	61
*	91 1,4-Dichlorobenzene-d4	152	10.880	10.880	(1.000)	470433	50.0000	

Data File: /chem/VOAMS12.i/8260L_10/10-05-11/07oct11.b/o52481.d
Report Date: 07-Oct-2011 14:36

QC Flag Legend

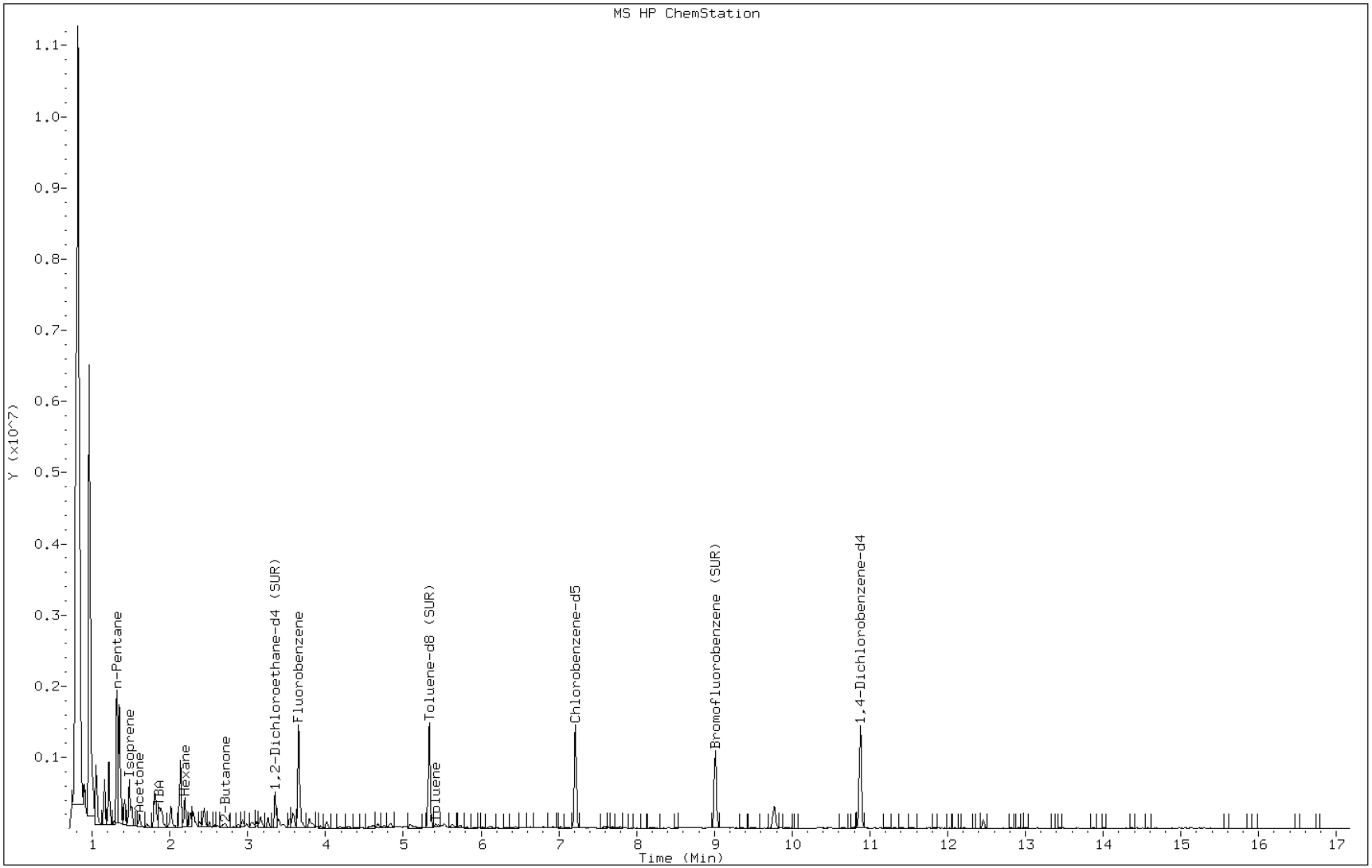
R - Spike/Surrogate failed recovery limits.
H - Operator selected an alternate compound hit.

Data File: o52481.d

Date: 07-OCT-2011 07:50

Client ID: Foundry Fill #2 Instrument: VOAMS12.i

Sample Info: 510-70378-A-2-A;;;4.42;5 Operator: VOAMS 9



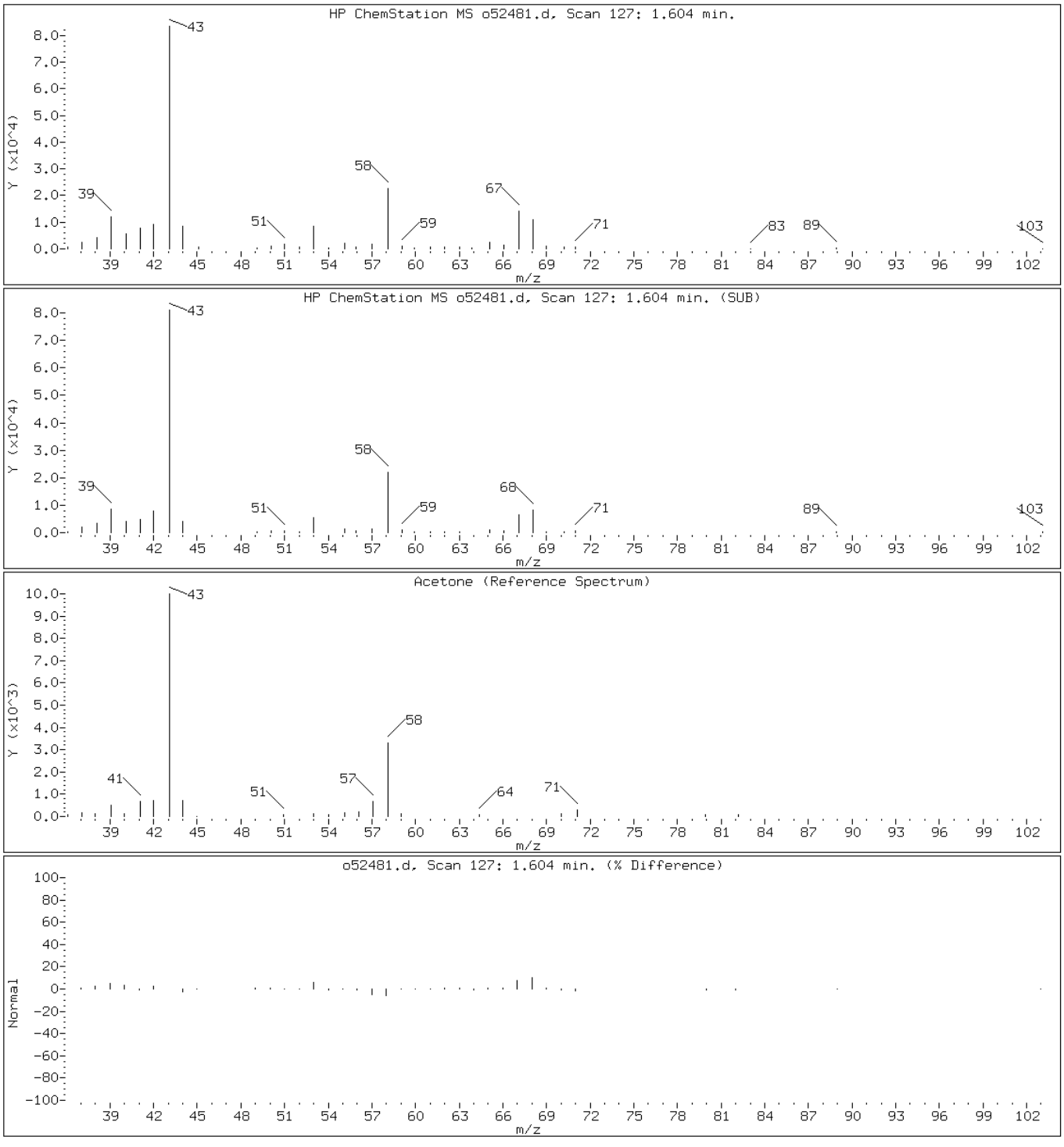
Data File: o52481.d

Date: 07-OCT-2011 07:50

Client ID: Foundry Fill #2 Instrument: VOAMS12.i

Sample Info: 510-70378-A-2-A;;;4.42;5 Operator: VOAMS 9

7 Acetone



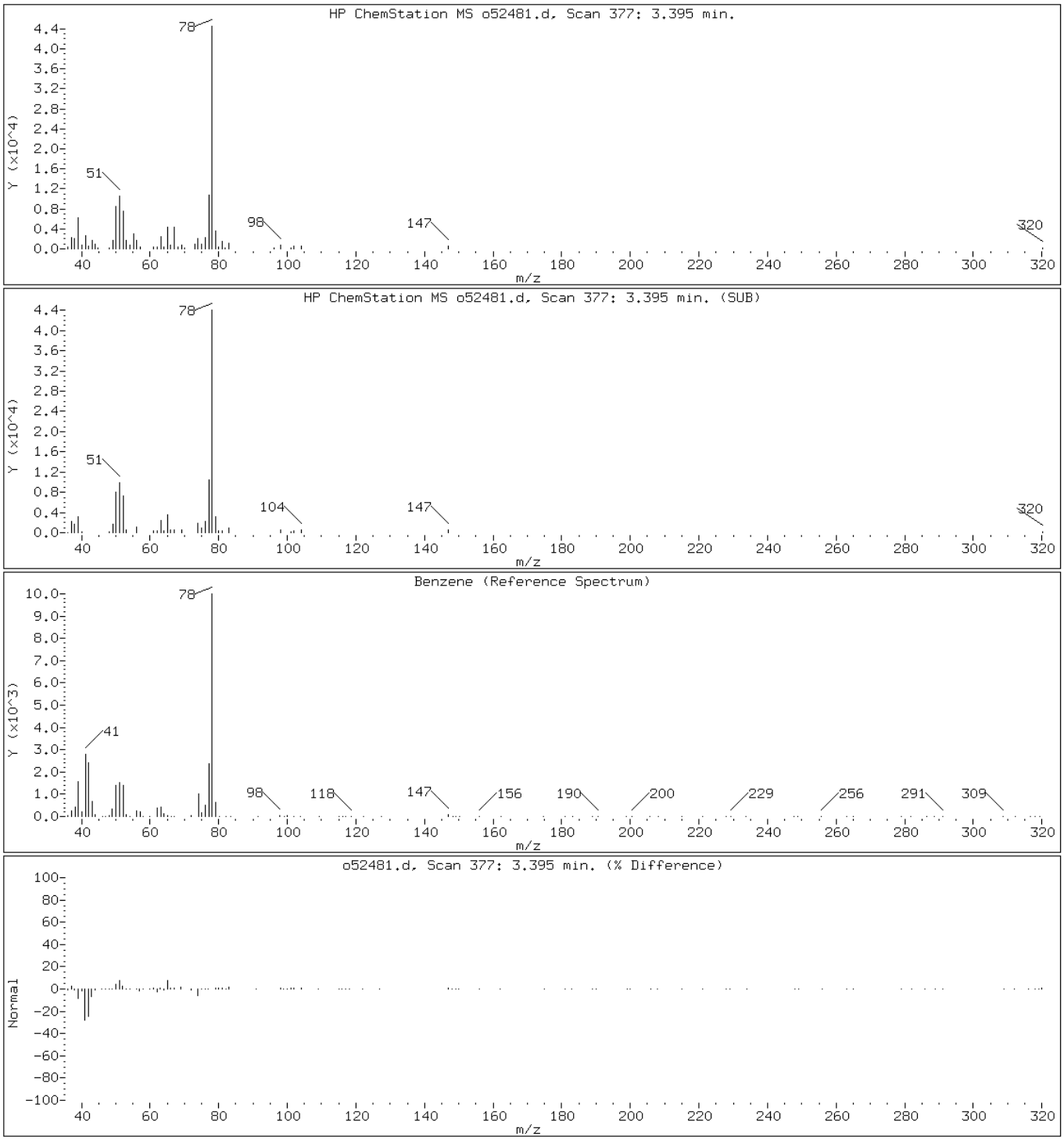
Data File: o52481.d

Date: 07-OCT-2011 07:50

Client ID: Foundry Fill #2 Instrument: VOAMS12.i

Sample Info: 510-70378-A-2-A;;;4.42;5 Operator: VOAMS 9

28 Benzene



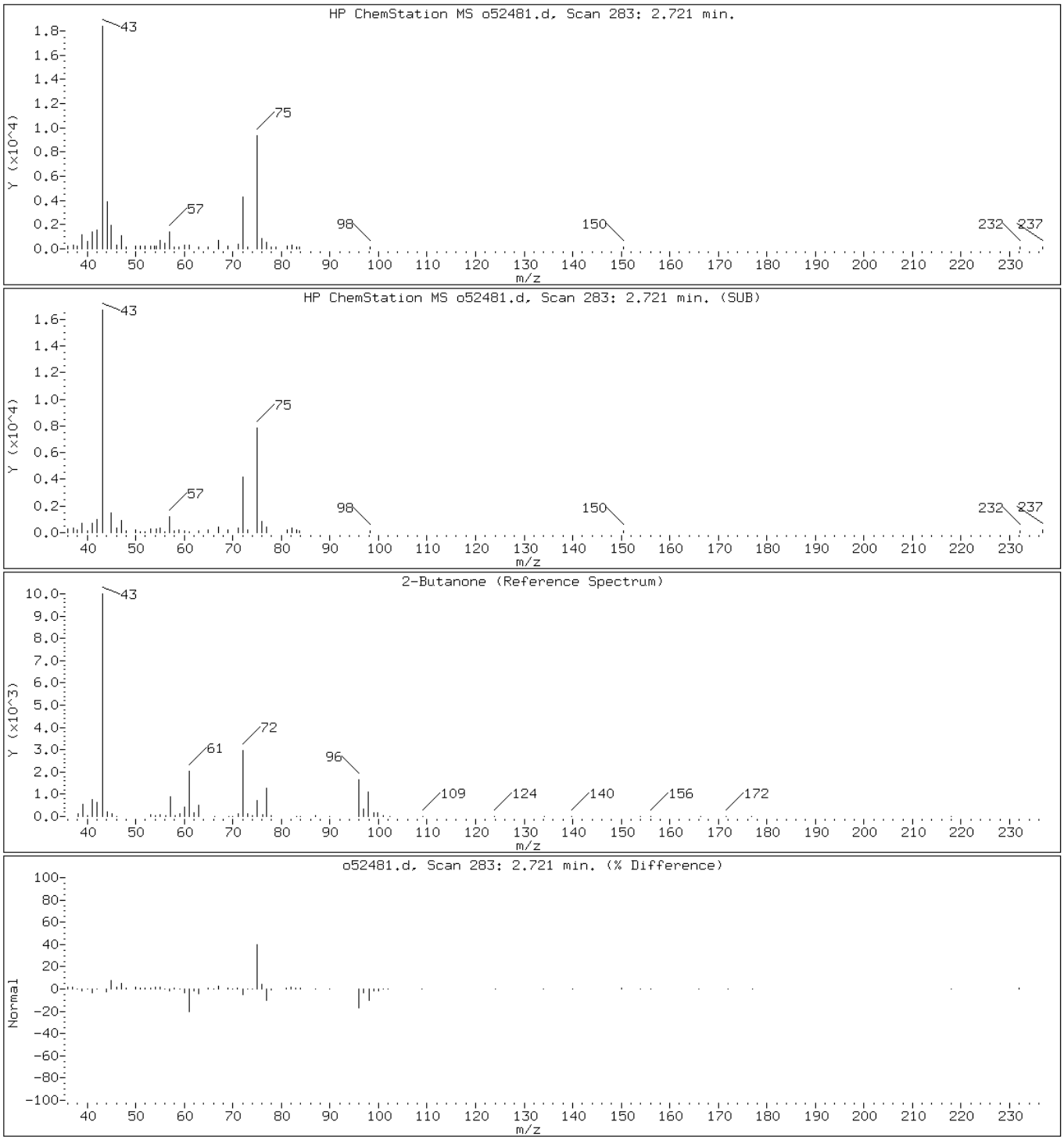
Data File: o52481.d

Date: 07-OCT-2011 07:50

Client ID: Foundry Fill #2 Instrument: VOAMS12.i

Sample Info: 510-70378-A-2-A;;;4.42;5 Operator: VOAMS 9

18 2-Butanone



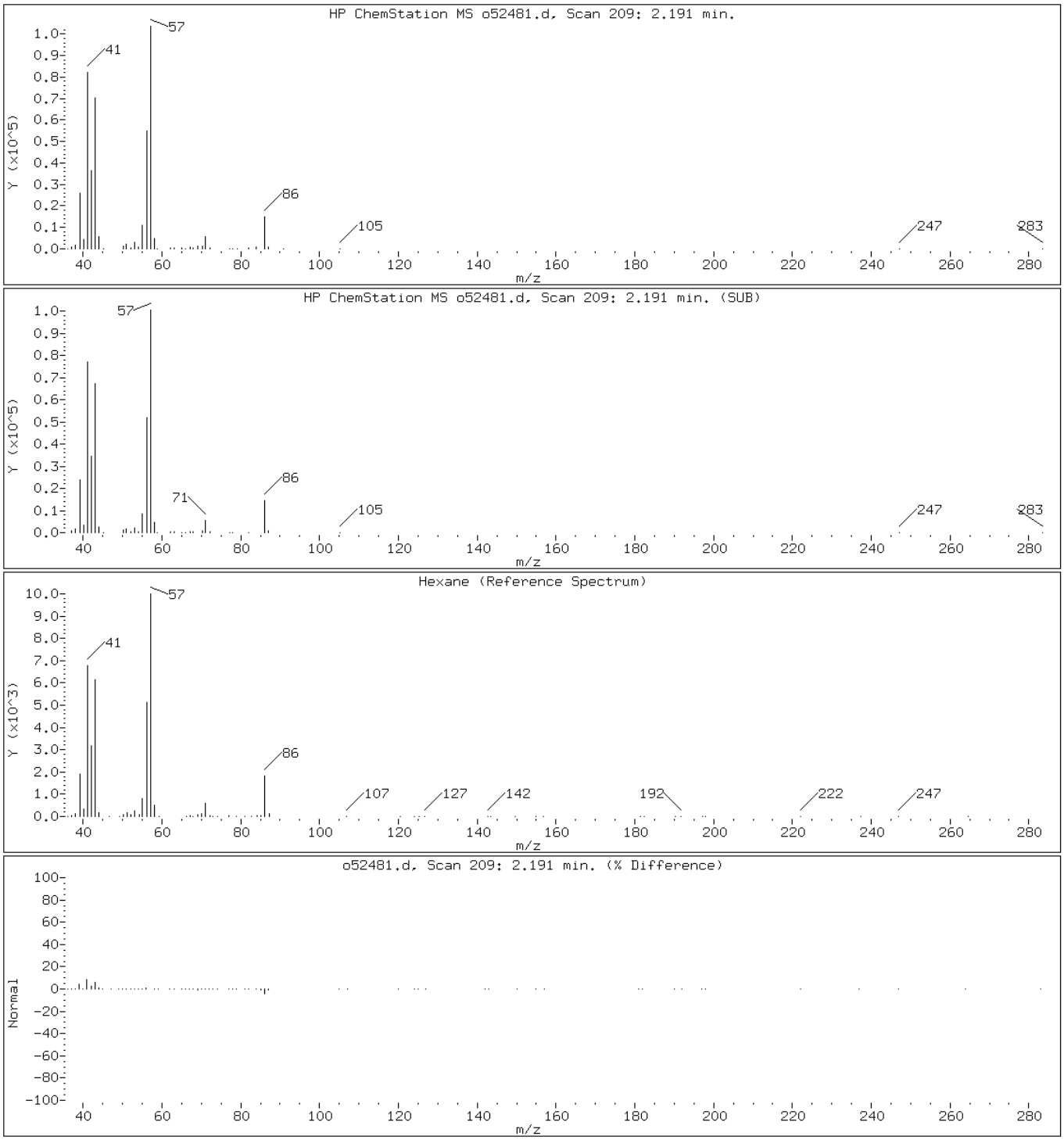
Data File: o52481.d

Date: 07-OCT-2011 07:50

Client ID: Foundry Fill #2 Instrument: VOAMS12.i

Sample Info: 510-70378-A-2-A;;;4.42;5 Operator: VOAMS 9

54 Hexane



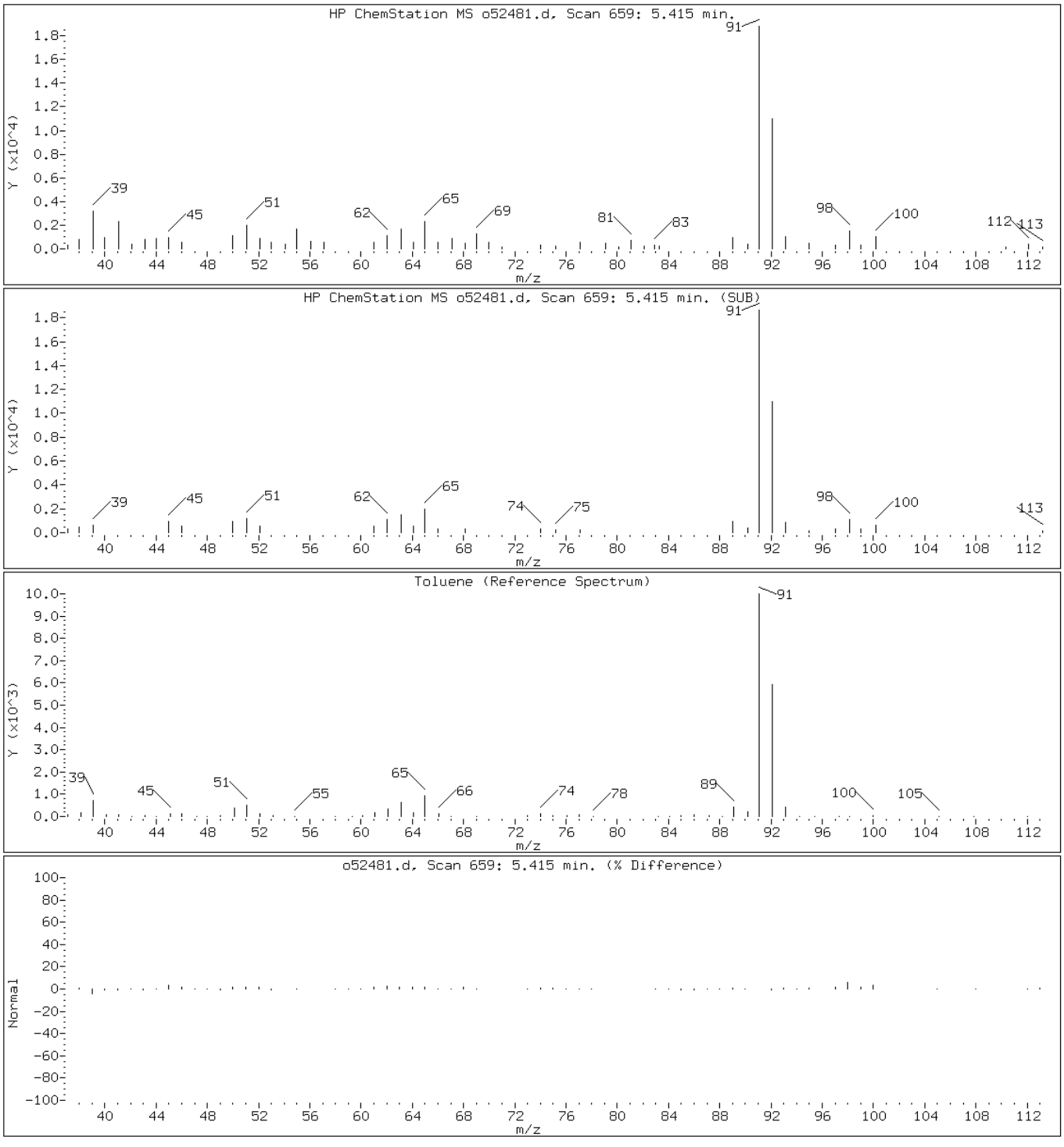
Data File: o52481.d

Date: 07-OCT-2011 07:50

Client ID: Foundry Fill #2 Instrument: VOAMS12.i

Sample Info: 510-70378-A-2-A;;;4.42;5 Operator: VOAMS 9

38 Toluene



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

Lab Name: TestAmerica Edison Job No.: 510-70378-1 Analy Batch No.: 88343

SDG No.: 0058-373-01

Instrument ID: VOAMS12 GC Column: DB-624 ID: 0.18(mm) Heated Purge: (Y/N) Y

Calibration Start Date: 10/05/2011 06:28 Calibration End Date: 10/05/2011 10:16 Calibration ID: 12589

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 460-88343/3	o52396.d
Level 2	IC 460-88343/2	o52394.d
Level 3	ICIS 460-88343/4	o52392.d
Level 4	IC 460-88343/5	o52399.d
Level 5	IC 460-88343/6	o52400.d
Level 6	IC 460-88343/7	o52401.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 3	LVL 4	LVL 5		B	M1	M2								
Dichlorodifluoromethane	0.5137 0.3787	0.4071	0.4444	0.4427	0.4026	Ave		0.4315				11.0		15.0			
Chloromethane	0.5829 0.4287	0.5063	0.5534	0.5403	0.4477	Ave		0.5099			0.1000	12.0		15.0			
Vinyl chloride	0.5561 0.4582	0.5091	0.5170	0.5144	0.4810	Ave		0.5060				6.6		30.0			
Bromomethane	0.2722 +++++	0.2364	0.2742	0.2154	0.2194	Ave		0.2435				11.6		15.0			
Chloroethane	0.3931 0.2749	0.3284	0.3350	0.3294	0.3322	Ave		0.3322				11.3		15.0			
Trichlorofluoromethane	0.7220 0.6550	0.6489	0.6379	0.6778	0.6750	Ave		0.6694				4.5		15.0			
n-Pentane	0.1292 0.0775	0.0909	0.0751	0.0819	0.0815	LinF		0.0781							0.9995		0.9900
Ethanol	0.0017 0.0020	0.0018	0.0018	0.0018	0.0017	Ave		0.0018				5.4		15.0			
Ethyl ether	0.3004 0.2803	0.2707	0.2543	0.2704	0.2825	Ave		0.2764				5.6		15.0			
Isopropene	0.6581 0.5990	0.6091	0.5581	0.5957	0.6244	Ave		0.6074				5.5		15.0			
Acrolein	0.0364 0.0430	0.0452	0.0435	0.0434	0.0418	Ave		0.0422				7.3		15.0			
1,1-Dichlorethylene	0.3578 0.3468	0.3404	0.3103	0.3430	0.3587	Ave		0.3428				5.1		30.0			
Freon TF	0.3724 0.3762	0.3729	0.3455	0.3729	0.3927	Ave		0.3721				4.1		15.0			
Acetone	0.0968 0.0749	0.1112	0.0898	0.0958	0.0836	Ave		0.0920				13.5		15.0			
Iodomethane	0.5159 0.4973	0.4580	0.4782	0.5338	0.5377	Ave		0.5035				6.3		15.0			

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

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

Lab Name: TestAmerica Edison Job No.: 510-70378-1 Analy Batch No.: 88343

SDG No.: 0058-373-01

Instrument ID: VOAMS12 GC Column: DB-624 ID: 0.18(mm) Heated Purge: (Y/N) Y

Calibration Start Date: 10/05/2011 06:28 Calibration End Date: 10/05/2011 10:16 Calibration ID: 12589

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 3	LVL 4	LVL 5		B	M1	M2								
Carbon disulfide	1.3100 1.1007	1.2663	1.1807	1.2524	1.2411	Ave		1.2252				6.0		15.0			
Acetonitrile	0.0444 0.0344	0.0398	0.0378	0.0370	0.0334	Ave		0.0378				10.5		15.0			
Methyl acetate	0.0882 0.0633	0.0715	0.0645	0.0647	0.0643	Ave		0.0694				13.9		15.0			
Methylene Chloride	0.5361 0.3363	0.3654	0.3256	0.3493	0.3586	LinF		0.3396							0.9992		0.9900
TBA	0.0351 0.0335	0.0333	0.0302	0.0303	0.0302	Ave		0.0321				6.7		15.0			
Acrylonitrile	0.0792 0.1236	0.1005	0.0998	0.1011	0.1043	Ave		0.1014				13.9		15.0			
trans-1,2-Dichloroethylene	0.3933 0.3827	0.3606	0.3480	0.3741	0.4008	Ave		0.3766				5.3		15.0			
Methyl tert-butyl ether	1.0117 0.9431	0.9301	0.8474	0.8959	0.9493	Ave		0.9296				5.9		15.0			
n-Hexane	0.4460 0.3417	0.3560	0.3434	0.3645	0.3696	Ave		0.3702				10.5		15.0			
1,1-Dichloroethane	0.7472 0.6980	0.7267	0.6565	0.7136	0.7419	Ave		0.7140			0.1000	4.7		15.0			
Vinyl acetate	1.1252 0.9113	0.9228	0.8643	0.8729	0.9635	Ave		0.9433				10.2		15.0			
DIPE	1.3748 1.2326	1.2854	1.2438	1.2916	1.3433	Ave		1.2953				4.3		15.0			
Tert-butyl ethyl ether	1.2279 1.0862	1.1273	1.0360	1.1061	1.1333	Ave		1.1195				5.7		15.0			
2,2-Dichloropropane	0.8875 0.6275	0.6665	0.5962	0.6287	0.6630	LinF		0.6326							0.9994		0.9900
cis-1,2-Dichloroethylene	0.4084 0.3979	0.3728	0.3484	0.3862	0.4151	Ave		0.3881				6.4		15.0			
Methyl ethyl ketone (MEK)	0.0288 0.0309	0.0324	0.0311	0.0330	0.0340	Ave		0.0317				5.8		15.0			
Ethyl acetate	0.0423 0.0256	0.0336	0.0244	0.0222	0.0239	LinF		0.0254							0.9990		0.9900
Bromochloromethane	0.1888 0.1483	0.1614	0.1434	0.1552	0.1602	Ave		0.1595				10.0		15.0			
Chloroform	0.6678 0.5787	0.5857	0.5481	0.5933	0.6180	Ave		0.5986				6.8		30.0			
1,1,1-Trichloroethane	0.6603 0.5725	0.5715	0.5420	0.5882	0.6092	Ave		0.5906				6.9		15.0			

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

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

Lab Name: TestAmerica Edison Job No.: 510-70378-1 Analy Batch No.: 88343

SDG No.: 0058-373-01

Instrument ID: VOAMS12 GC Column: DB-624 ID: 0.18(mm) Heated Purge: (Y/N) Y

Calibration Start Date: 10/05/2011 06:28 Calibration End Date: 10/05/2011 10:16 Calibration ID: 12589

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 3	LVL 4	LVL 5		B	M1	M2								
Cyclohexane	0.7966 0.6792	0.7294	0.6875	0.7033	0.7252	Ave		0.7202				5.9		15.0			
Carbon tetrachloride	0.4188 0.5282	0.4481	0.4507	0.4858	0.5412	Ave		0.4788				10.1		15.0			
1,1-Dichloropropene	0.6376 0.5611	0.5516	0.5104	0.5440	0.5772	Ave		0.5637				7.5		15.0			
Benzene	1.6053 1.2927	1.4317	1.3495	1.4380	1.5071	Ave		1.4374				7.7		15.0			
1,2-Dichloroethane	0.4340 0.3973	0.3882	0.3815	0.4012	0.4142	Ave		0.4028				4.7		15.0			
Isopropyl acetate	0.7299 0.6604	0.7239	0.6650	0.6607	0.6799	Ave		0.6866				4.7		15.0			
Tert-amyl methyl ether	1.0128 0.8827	0.9000	0.8318	0.8633	0.8829	Ave		0.8956				6.9		15.0			
2,4,4-Trimethyl-1-pentene	0.2110 0.1583	0.1321	0.1518	0.1562	0.1515	LinF		0.1574							0.9997		0.9900
Trichloroethene	0.4075 0.3762	0.3653	0.3435	0.3661	0.3897	Ave		0.3747				5.9		15.0			
n-Butanol	0.0047 +++++	0.0056	0.0054	0.0049	0.0047	Ave		0.0051				8.2		15.0			
Ethyl acrylate	0.0186 0.0159	0.0186	0.0147	0.0148	0.0157	Ave		0.0164				10.8		15.0			
Methylcyclohexane	0.7694 0.7139	0.7527	0.6956	0.7255	0.7571	Ave		0.7357				3.9		15.0			
1,2-Dichloropropane	0.4232 0.3550	0.3502	0.3481	0.3642	0.3809	Ave		0.3702				7.7		30.0			
Dibromomethane	0.2191 0.1654	0.1725	0.1608	0.1692	0.1774	Ave		0.1774				12.0		15.0			
1,4-Dioxane	0.0029 0.0031	0.0032	0.0035	0.0031	0.0030	Ave		0.0031				6.7		15.0			
Methyl methacrylate	0.2767 0.1726	0.1871	0.1619	0.1751	0.1779	LinF		0.1733							0.9998		0.9900
Propyl acetate	0.4579 0.3808	0.3961	0.3713	0.3795	0.3846	Ave		0.3950				8.1		15.0			
Bromodichloromethane	0.4700 0.4298	0.4244	0.4038	0.4314	0.4587	Ave		0.4363				5.5		15.0			
2-Chloroethyl vinyl ether	0.2270 0.1839	0.1926	0.1839	0.1905	0.1947	Ave		0.1954				8.2		15.0			
Epichlorohydrin	0.0293 0.0254	0.0267	0.0261	0.0258	0.0260	Ave		0.0266				5.3		15.0			

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

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

Lab Name: TestAmerica Edison Job No.: 510-70378-1 Analy Batch No.: 88343

SDG No.: 0058-373-01

Instrument ID: VOAMS12 GC Column: DB-624 ID: 0.18(mm) Heated Purge: (Y/N) Y

Calibration Start Date: 10/05/2011 06:28 Calibration End Date: 10/05/2011 10:16 Calibration ID: 12589

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 3	LVL 4	LVL 5		B	M1	M2								
cis-1,3-Dichloropropene	0.5720 0.5271	0.5329	0.5128	0.5454	0.5691	Ave		0.5432				4.3		15.0			
4-Methyl-2-pentanone (MIBK)	0.2254 0.2580	0.2783	0.2473	0.2570	0.2614	Ave		0.2545				6.9		15.0			
Toluene	2.7985 1.8354	2.2014	1.9337	2.0527	2.1498	LinF		1.8867							0.9949		0.9900
trans-1,3-Dichloropropene	0.6943 0.6369	0.6288	0.6067	0.6296	0.6574	Ave		0.6423				4.7		15.0			
1,1,2-Trichloroethane	0.3141 0.2774	0.2870	0.2657	0.2768	0.2842	Ave		0.2842				5.8		15.0			
Tetrachloroethylene	0.6754 0.6021	0.5811	0.5462	0.5872	0.6215	Ave		0.6022				7.3		15.0			
1,3-Dichloropropane	0.6695 0.6010	0.6004	0.5692	0.5980	0.6171	Ave		0.6092				5.5		15.0			
Methyl Butyl Ketone (2-Hexanone)	0.2228 0.2507	0.2569	0.2442	0.2445	0.2471	Ave		0.2444				4.7		15.0			
Chlorodibromomethane	0.4389 0.4311	0.4015	0.3792	0.4120	0.4384	Ave		0.4169				5.7		15.0			
1,2-Dibromoethane	0.3579 0.3392	0.3281	0.3107	0.3291	0.3396	Ave		0.3341				4.7		15.0			
Butyl acetate	0.6160 0.6148	0.5904	0.5620	0.5725	0.5926	Ave		0.5914				3.7		15.0			
Chlorobenzene	1.4631 1.3120	1.3075	1.2164	1.2969	1.3809	Ave		1.3294			0.3000	6.3		15.0			
1,1,1,2-Tetrachloroethane	0.5070 0.4739	0.4591	0.4271	0.4640	0.4942	Ave		0.4709				6.0		15.0			
Ethylbenzene	0.8910 0.7609	0.7263	0.6870	0.7265	0.7939	Ave		0.7643				9.4		30.0			
m&p-Xylene	1.0548 0.9414	0.9042	0.8433	0.8940	0.9980	Ave		0.9393				8.2		15.0			
o-Xylene	1.0286 0.8830	0.8871	0.8125	0.8615	0.9242	Ave		0.8995				8.1		15.0			
Styrene	1.6283 1.4991	1.5017	1.3779	1.4368	1.5611	Ave		1.5008				5.9		15.0			
Butyl acrylate	1.7804 1.4907	1.5812	1.4825	1.4711	1.4960	Ave		1.5503				7.7		15.0			
Bromoform	0.2810 0.2825	0.2581	0.2527	0.2637	0.2915	Ave		0.2716			0.1000	5.7		15.0			
Amly acetate	0.4536 0.3697	0.4263	0.4016	0.3922	0.3904	Ave		0.4056				7.3		15.0			

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

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

Lab Name: TestAmerica Edison Job No.: 510-70378-1 Analy Batch No.: 88343

SDG No.: 0058-373-01

Instrument ID: VOAMS12 GC Column: DB-624 ID: 0.18(mm) Heated Purge: (Y/N) Y

Calibration Start Date: 10/05/2011 06:28 Calibration End Date: 10/05/2011 10:16 Calibration ID: 12589

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 3	LVL 4	LVL 5		B	M1	M2								
Isopropylbenzene	2.6027 2.0594	2.3909	2.2328	2.3890	2.5434	Ave		2.3697				8.4		15.0			
Camphene, Total	0.6240 0.5519	0.5895	0.5393	0.5629	0.5817	Ave		0.5749				5.3		15.0			
Monobromobenzene	1.2320 1.1112	1.0955	1.0361	1.0690	1.1612	Ave		1.1175				6.3		15.0			
1,1,2,2-Tetrachloroethane	0.9925 0.8279	0.8421	0.8017	0.8204	0.8374	Ave		0.8537			0.3000	8.1		15.0			
1,2,3-Trichloropropane	0.3642 0.2394	0.2911	0.2247	0.2386	0.2435	LinF		0.2399							0.9999		0.9900
trans-1,4-Dichloro-2-butene	0.1265 0.0925	0.1063	0.1024	0.1012	0.1017	Ave		0.1051				10.9		15.0			
n-Propylbenzene	6.5259 +++++	5.7390	5.3868	5.6120	6.0775	Ave		5.8683				7.6		15.0			
2-Chlorotoluene	3.5546 3.1444	3.2869	3.0232	3.0695	3.2991	Ave		3.2296				6.0		15.0			
4-Chlorotoluene	3.7787 3.1607	3.2718	3.0647	3.1666	3.3956	Ave		3.3063				7.8		15.0			
1,3,5-Trimethylbenzene	4.2775 3.6928	3.8261	3.5975	3.7330	4.0818	Ave		3.8681				6.7		15.0			
Butyl Methacrylate	1.4815 1.3056	1.3835	1.2994	1.3208	1.3625	Ave		1.3589				5.0		15.0			
tert-Butylbenzene	3.9168 3.4765	3.5616	3.2784	3.4173	3.7011	Ave		3.5586				6.3		15.0			
1,2,4-Trimethylbenzene	4.6067 3.6432	3.9182	3.5828	3.7181	4.0863	Ave		3.9259				9.7		15.0			
sec-Butylbenzene	5.7460 +++++	5.2934	4.8981	5.1766	5.6726	Ave		5.3574				6.6		15.0			
1,3-Dichlorobenzene	2.4321 2.0784	2.1758	1.9813	2.0629	2.2357	Ave		2.1610				7.4		15.0			
1,4-Dichlorobenzene	2.4761 2.1152	2.0869	1.9502	2.0249	2.2372	Ave		2.1484				8.7		15.0			
p-Isopropyltoluene	4.7375 4.1333	4.4849	4.0348	4.2678	4.7990	Ave		4.4096				7.2		15.0			
Benzyl chloride	2.0142 1.5715	1.8221	1.7182	1.5695	1.6376	Ave		1.7222				10.0		15.0			
1,2-Dichlorobenzene	2.1893 1.8686	1.9434	1.7582	1.8256	1.9836	Ave		1.9281				7.8		15.0			
n-Butylbenzene	4.6480 3.5075	4.2198	3.8679	4.0087	4.4433	Ave		4.1159				10.0		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 Edison Job No.: 510-70378-1 Analy Batch No.: 88343

SDG No.: 0058-373-01

Instrument ID: VOAMS12 GC Column: DB-624 ID: 0.18(mm) Heated Purge: (Y/N) Y

Calibration Start Date: 10/05/2011 06:28 Calibration End Date: 10/05/2011 10:16 Calibration ID: 12589

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 3	LVL 4	LVL 5		B	M1	M2								
1,2-Dibromo-3-Chloropropane	0.2314 0.1465	0.1545	0.1394	0.1433	0.1486	LinF		0.1468							1.0000		0.9900
Camphor	0.0962 0.0793	0.0871	0.0769	0.0781	0.0791	Ave		0.0828				9.1		15.0			
1,2,4-Trichlorobenzene	1.7217 1.4163	1.5470	1.2982	1.3553	1.5356	Ave		1.4790				10.4		15.0			
Hexachlorobutadiene	1.2220 1.0458	1.0731	0.9400	1.0084	1.1896	Ave		1.0798				10.0		15.0			
Naphthalene	3.1404 2.3370	2.7045	2.2224	2.3358	2.6025	Ave		2.5571				13.2		15.0			
1,2,3-Trichlorobenzene	1.6033 1.1814	1.3148	1.0841	1.1458	1.2827	Ave		1.2687				14.6		15.0			
1,2-Dichloroethane-d4 (Surr)	0.2088 0.2024	0.2302	0.1949	0.2196	0.1626	Ave		0.2031				11.6		15.0			
Toluene-d8 (Surr)	1.0543 1.0761	1.1247	0.9729	1.1015	0.8259	Ave		1.0259				10.8		15.0			
Bromofluorobenzene	0.7723 0.7928	0.8195	0.7150	0.7975	0.5920	Ave		0.7482				11.3		15.0			

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

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

Lab Name: TestAmerica Edison Job No.: 510-70378-1 Analy Batch No.: 88343

SDG No.: 0058-373-01

Instrument ID: VOAMS12 GC Column: DB-624 ID: 0.18(mm) Heated Purge: (Y/N) Y

Calibration Start Date: 10/05/2011 06:28 Calibration End Date: 10/05/2011 10:16 Calibration ID: 12589

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 460-88343/3	o52396.d
Level 2	IC 460-88343/2	o52394.d
Level 3	ICIS 460-88343/4	o52392.d
Level 4	IC 460-88343/5	o52399.d
Level 5	IC 460-88343/6	o52400.d
Level 6	IC 460-88343/7	o52401.d

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (UG/L)				
			LVL 1 LVL 6	LVL 2	LVL 3	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2	LVL 3	LVL 4	LVL 5
Dichlorodifluoromethane	FB	Ave	13961 5350650	56614	244474	576581	2159838	1.00 500	5.00	20.0	50.0	200
Chloromethane	FB	Ave	15842 6057142	70409	304396	703608	2401721	1.00 500	5.00	20.0	50.0	200
Vinyl chloride	FB	Ave	15115 6473679	70794	284416	669931	2580397	1.00 500	5.00	20.0	50.0	200
Bromomethane	FB	Ave	7398 +++++	32873	150854	280475	1177240	1.00 +++++	5.00	20.0	50.0	200
Chloroethane	FB	Ave	10683 3884046	45670	184272	428972	1782314	1.00 500	5.00	20.0	50.0	200
Trichlorofluoromethane	FB	Ave	19622 9254400	90234	350915	882654	3620930	1.00 500	5.00	20.0	50.0	200
n-Pentane	FB	LinF	3511 1094512	12635	41330	106662	437037	1.00 500	5.00	20.0	50.0	200
Ethanol	FB	Ave	46926 337156	100370	144944	184529	232681	1000 6000	2000	3000	4000	5000
Ethyl ether	FB	Ave	8165 3960024	37647	139912	352191	1515559	1.00 500	5.00	20.0	50.0	200
Isopropene	FB	Ave	17887 8463381	84701	306991	775779	3349884	1.00 500	5.00	20.0	50.0	200
Acrolein	FB	Ave	98814 729145	251623	359024	452040	560687	100 600	200	300	400	500
1,1-Dichlorethylene	FB	Ave	9725 4899765	47336	170718	446729	1924184	1.00 500	5.00	20.0	50.0	200
Freon TF	FB	Ave	10122 5315334	51863	190073	485658	2106497	1.00 500	5.00	20.0	50.0	200
Acetone	FB	Ave	26322 2117374	46374	49386	124755	448514	10.0 1000	15.0	20.0	50.0	200
Iodomethane	FB	Ave	14021 7026824	63690	263067	695145	2884796	1.00 500	5.00	20.0	50.0	200
Carbon disulfide	FB	Ave	35604 15551942	176105	649487	1631014	6657978	1.00 500	5.00	20.0	50.0	200

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

Lab Name: TestAmerica Edison Job No.: 510-70378-1 Analy Batch No.: 88343

SDG No.: 0058-373-01

Instrument ID: VOAMS12 GC Column: DB-624 ID: 0.18(mm) Heated Purge: (Y/N) Y

Calibration Start Date: 10/05/2011 06:28 Calibration End Date: 10/05/2011 10:16 Calibration ID: 12589

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (UG/L)				
			LVL 1 LVL 6	LVL 2	LVL 3	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2	LVL 3	LVL 4	LVL 5
Acetonitrile	FB	Ave	24137 9728346	110572	416031	962669	3581325	20.0 10000	100	400	1000	4000
Methyl acetate	FB	Ave	2398 894396	9944	35468	84270	345198	1.00 500	5.00	20.0	50.0	200
Methylene Chloride	FB	LinF	14570 4752325	50814	179106	454932	1923607	1.00 500	5.00	20.0	50.0	200
TBA	FB	Ave	19072 9456899	92499	331909	788350	3239575	20.0 10000	100	400	1000	4000
Acrylonitrile	FB	Ave	107611 1048152	279487	411637	526772	699411	50.0 300	100	150	200	250
trans-1,2-Dichloroethylene	FB	Ave	10690 5406869	50151	191427	487228	2150365	1.00 500	5.00	20.0	50.0	200
Methyl tert-butyl ether	FB	Ave	27497 13326109	129344	466148	1166760	5092866	1.00 500	5.00	20.0	50.0	200
n-Hexane	FB	Ave	12123 4828193	49502	188929	474682	1982854	1.00 500	5.00	20.0	50.0	200
1,1-Dichloroethane	FB	Ave	20308 9862790	101054	361129	929256	3979889	1.00 500	5.00	20.0	50.0	200
Vinyl acetate	FB	Ave	30581 12876499	128330	475422	1136768	5168818	1.00 500	5.00	20.0	50.0	200
DIPE	FB	Ave	37365 17416415	178753	684232	1682112	7206590	1.00 500	5.00	20.0	50.0	200
Tert-butyl ethyl ether	FB	Ave	33373 15347187	156768	569888	1440465	6079841	1.00 500	5.00	20.0	50.0	200
2,2-Dichloropropane	FB	LinF	24122 8866572	92681	327957	818759	3556830	1.00 500	5.00	20.0	50.0	200
cis-1,2-Dichloroethylene	FB	Ave	11100 5622124	51841	191635	502940	2227019	1.00 500	5.00	20.0	50.0	200
Methyl ethyl ketone (MEK)	FB	Ave	7820 873486	13518	17129	42955	182273	10.0 1000	15.0	20.0	50.0	200
Ethyl acetate	FB	LinF	2297 723637	9334	26822	57769	256901	2.00 1000	10.0	40.0	100	400
Bromochloromethane	FB	Ave	5131 2095087	22448	78872	202091	859410	1.00 500	5.00	20.0	50.0	200
Chloroform	FB	Ave	18150 8177465	81447	301479	772663	3315613	1.00 500	5.00	20.0	50.0	200
1,1,1-Trichloroethane	FB	Ave	17947 8089024	79480	298139	766033	3268046	1.00 500	5.00	20.0	50.0	200
Cyclohexane	FB	Ave	21650 9597128	101437	378198	915877	3890375	1.00 500	5.00	20.0	50.0	200
Carbon tetrachloride	FB	Ave	11382 7463558	62312	247930	632625	2903581	1.00 500	5.00	20.0	50.0	200

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

Lab Name: TestAmerica Edison Job No.: 510-70378-1 Analy Batch No.: 88343

SDG No.: 0058-373-01

Instrument ID: VOAMS12 GC Column: DB-624 ID: 0.18(mm) Heated Purge: (Y/N) Y

Calibration Start Date: 10/05/2011 06:28 Calibration End Date: 10/05/2011 10:16 Calibration ID: 12589

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (UG/L)				
			LVL 1 LVL 6	LVL 2	LVL 3	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2	LVL 3	LVL 4	LVL 5
1,1-Dichloropropene	FB	Ave	17330 7928406	76711	280757	708417	3096557	1.00 500	5.00	20.0	50.0	200
Benzene	FB	Ave	43631 18265065	199098	742366	1872760	8085082	1.00 500	5.00	20.0	50.0	200
1,2-Dichloroethane	FB	Ave	11797 5613282	53992	209874	522501	2222233	1.00 500	5.00	20.0	50.0	200
Isopropyl acetate	FB	Ave	39675 18663827	201336	731569	1720866	7294660	2.00 1000	10.0	40.0	100	400
Tert-amyl methyl ether	FB	Ave	27526 12471690	125154	457544	1124242	4736540	1.00 500	5.00	20.0	50.0	200
2,4,4-Trimethyl-1-pentene	FB	LinF	5736 2236383	18366	83502	203385	812548	1.00 500	5.00	20.0	50.0	200
Trichloroethene	FB	Ave	11075 5315580	50797	188935	476808	2090590	1.00 500	5.00	20.0	50.0	200
n-Butanol	FB	Ave	63787 +++++	155208	223040	256280	313921	500 +++++	1000	1500	2000	2500
Ethyl acrylate	FB	Ave	506 224526	2581	8098	19301	84198	1.00 500	5.00	20.0	50.0	200
Methylcyclohexane	FB	Ave	20911 10087061	104673	382623	944760	4061496	1.00 500	5.00	20.0	50.0	200
1,2-Dichloropropane	FB	Ave	11501 5015610	48699	191481	474298	2043309	1.00 500	5.00	20.0	50.0	200
Dibromomethane	FB	Ave	5955 2337395	23982	88461	220295	951496	1.00 500	5.00	20.0	50.0	200
1,4-Dioxane	FB	Ave	3931 26625	9021	14323	16019	19872	50.0 300	100	150	200	250
Methyl methacrylate	FB	LinF	7520 2438319	26015	89036	227974	954268	1.00 500	5.00	20.0	50.0	200
Propyl acetate	FB	Ave	24893 10760471	110175	408519	988379	4126835	2.00 1000	10.0	40.0	100	400
Bromodichloromethane	FB	Ave	12774 6073560	59013	222141	561768	2460778	1.00 500	5.00	20.0	50.0	200
2-Chloroethyl vinyl ether	FB	Ave	6169 2598386	26790	101168	248120	1044271	1.00 500	5.00	20.0	50.0	200
Epichlorohydrin	FB	Ave	15918 7182031	74338	287255	673255	2786499	20.0 10000	100	400	1000	4000
cis-1,3-Dichloropropene	FB	Ave	15546 7447730	74108	282108	710298	3052961	1.00 500	5.00	20.0	50.0	200
4-Methyl-2-pentanone (MIBK)	FB	Ave	61255 7291426	116099	136013	334660	1402108	10.0 1000	15.0	20.0	50.0	200
Toluene	CBZ	LinF	58777 18914049	235113	809921	2049831	8858285	1.00 500	5.00	20.0	50.0	200

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

Lab Name: TestAmerica Edison Job No.: 510-70378-1 Analy Batch No.: 88343

SDG No.: 0058-373-01

Instrument ID: VOAMS12 GC Column: DB-624 ID: 0.18(mm) Heated Purge: (Y/N) Y

Calibration Start Date: 10/05/2011 06:28 Calibration End Date: 10/05/2011 10:16 Calibration ID: 12589

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (UG/L)				
			LVL 1 LVL 6	LVL 2	LVL 3	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2	LVL 3	LVL 4	LVL 5
trans-1,3-Dichloropropene	CBZ	Ave	14582 6563077	67159	254114	628765	2708822	1.00 500	5.00	20.0	50.0	200
1,1,2-Trichloroethane	CBZ	Ave	6597 2858968	30653	111293	276400	1170880	1.00 500	5.00	20.0	50.0	200
Tetrachloroethylene	CBZ	Ave	14186 6204505	62065	228765	586372	2560752	1.00 500	5.00	20.0	50.0	200
1,3-Dichloropropane	CBZ	Ave	14062 6193557	64119	238395	597116	2542769	1.00 500	5.00	20.0	50.0	200
Methyl Butyl Ketone (2-Hexanone)	CBZ	Ave	46804 5167117	82315	102264	244168	1018279	10.0 1000	15.0	20.0	50.0	200
Chlorodibromomethane	CBZ	Ave	9219 4443023	42882	158812	411450	1806281	1.00 500	5.00	20.0	50.0	200
1,2-Dibromoethane	CBZ	Ave	7516 3495182	35044	130146	328615	1399234	1.00 500	5.00	20.0	50.0	200
Butyl acetate	CBZ	Ave	25877 12672002	126102	470775	1143447	4883305	2.00 1000	10.0	40.0	100	400
Chlorobenzene	CBZ	Ave	30729 13519746	139636	509471	1295127	5690042	1.00 500	5.00	20.0	50.0	200
1,1,1,2-Tetrachloroethane	CBZ	Ave	10649 4883752	49028	178888	463344	2036407	1.00 500	5.00	20.0	50.0	200
Ethylbenzene	CBZ	Ave	18714 7841189	77573	287727	725532	3271150	1.00 500	5.00	20.0	50.0	200
m&p-Xylene	CBZ	Ave	44308 19403116	193127	706414	1785421	8224939	2.00 1000	10.0	40.0	100	400
o-Xylene	CBZ	Ave	21604 9099275	94745	340320	860313	3808254	1.00 500	5.00	20.0	50.0	200
Styrene	CBZ	Ave	34200 15448327	160385	577145	1434746	6432604	1.00 500	5.00	20.0	50.0	200
Butyl acrylate	DCB	Ave	19104 7535377	86301	314637	755854	3099697	1.00 500	5.00	20.0	50.0	200
Bromoform	CBZ	Ave	5901 2910788	27562	105830	263371	1201167	1.00 500	5.00	20.0	50.0	200
Amly acetate	CBZ	Ave	9526 3810207	45533	168215	391662	1608582	1.00 500	5.00	20.0	50.0	200
Isopropylbenzene	CBZ	Ave	54665 21221961	255351	935194	2385639	10480099	1.00 500	5.00	20.0	50.0	200
Camphene, Total	DCB	Ave	6695 2789837	32175	114459	289196	1205345	1.00 500	5.00	20.0	50.0	200
Monobromobenzene	DCB	Ave	13219 5616653	59791	219910	549239	2406131	1.00 500	5.00	20.0	50.0	200
1,1,2,2-Tetrachloroethane	DCB	Ave	10649 4184777	45962	170160	421536	1735150	1.00 500	5.00	20.0	50.0	200

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

Lab Name: TestAmerica Edison Job No.: 510-70378-1 Analy Batch No.: 88343

SDG No.: 0058-373-01

Instrument ID: VOAMS12 GC Column: DB-624 ID: 0.18(mm) Heated Purge: (Y/N) Y

Calibration Start Date: 10/05/2011 06:28 Calibration End Date: 10/05/2011 10:16 Calibration ID: 12589

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (UG/L)				
			LVL 1 LVL 6	LVL 2	LVL 3	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2	LVL 3	LVL 4	LVL 5
1,2,3-Trichloropropane	DCB	LinF	3908 1210111	15887	47696	122584	504456	1.00 500	5.00	20.0	50.0	200
trans-1,4-Dichloro-2-butene	FB	Ave	3439 1306482	14783	56305	131792	545686	1.00 500	5.00	20.0	50.0	200
n-Propylbenzene	DCB	Ave	70023 +++++	313226	1143293	2883405	12592763	1.00 +++++	5.00	20.0	50.0	200
2-Chlorotoluene	DCB	Ave	38141 15894141	179393	641628	1577073	6835862	1.00 500	5.00	20.0	50.0	200
4-Chlorotoluene	DCB	Ave	40545 15976662	178569	650438	1626962	7035791	1.00 500	5.00	20.0	50.0	200
1,3,5-Trimethylbenzene	DCB	Ave	45898 18666207	208820	763532	1917976	8457626	1.00 500	5.00	20.0	50.0	200
Butyl Methacrylate	DCB	Ave	15896 6599495	75507	275792	678642	2823232	1.00 500	5.00	20.0	50.0	200
tert-Butylbenzene	DCB	Ave	42027 17573062	194389	695803	1755760	7668760	1.00 500	5.00	20.0	50.0	200
1,2,4-Trimethylbenzene	DCB	Ave	49430 18415636	213850	760411	1910322	8466861	1.00 500	5.00	20.0	50.0	200
sec-Butylbenzene	DCB	Ave	61655 +++++	288906	1039566	2659693	11753902	1.00 +++++	5.00	20.0	50.0	200
1,3-Dichlorobenzene	DCB	Ave	26096 10505703	118753	420509	1059892	4632377	1.00 500	5.00	20.0	50.0	200
1,4-Dichlorobenzene	DCB	Ave	26569 10691720	113897	413905	1040373	4635524	1.00 500	5.00	20.0	50.0	200
p-Isopropyltoluene	DCB	Ave	50833 20892901	244780	856345	2192788	9943717	1.00 500	5.00	20.0	50.0	200
Benzyl chloride	DCB	Ave	21612 7943772	99447	364669	806384	3393137	1.00 500	5.00	20.0	50.0	200
1,2-Dichlorobenzene	DCB	Ave	23491 9445165	106065	373152	937986	4110054	1.00 500	5.00	20.0	50.0	200
n-Butylbenzene	DCB	Ave	49873 17729429	230312	820921	2059642	9206631	1.00 500	5.00	20.0	50.0	200
1,2-Dibromo-3-Chloropropane	DCB	LinF	2483 740733	8433	29592	73628	307878	1.00 500	5.00	20.0	50.0	200
Camphor	DCB	Ave	5160 2003875	23772	81594	200573	819513	5.00 2500	25.0	100	250	1000
1,2,4-Trichlorobenzene	DCB	Ave	18474 7159022	84431	275534	696359	3181900	1.00 500	5.00	20.0	50.0	200
Hexachlorobutadiene	DCB	Ave	13112 5286135	58568	199508	518111	2464962	1.00 500	5.00	20.0	50.0	200
Naphthalene	DCB	Ave	33697 11812952	147606	471681	1200125	5392506	1.00 500	5.00	20.0	50.0	200

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

Lab Name: TestAmerica Edison Job No.: 510-70378-1 Analy Batch No.: 88343

SDG No.: 0058-373-01

Instrument ID: VOAMS12 GC Column: DB-624 ID: 0.18(mm) Heated Purge: (Y/N) Y

Calibration Start Date: 10/05/2011 06:28 Calibration End Date: 10/05/2011 10:16 Calibration ID: 12589

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (UG/L)				
			LVL 1 LVL 6	LVL 2	LVL 3	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2	LVL 3	LVL 4	LVL 5
1,2,3-Trichlorobenzene	DCB	Ave	17203 5971691	71760	230086	588692	2657865	1.00 500	5.00	20.0	50.0	200
1,2-Dichloroethane-d4 (Surr)	FB	Ave	283784 286044	320183	268013	285956	218026	50.0 50.0	50.0	50.0	50.0	50.0
Toluene-d8 (Surr)	CBZ	Ave	1107180 1108949	1201139	1018775	1099976	850822	50.0 50.0	50.0	50.0	50.0	50.0
Bromofluorobenzene	DCB	Ave	414348 400744	447269	379380	409762	306669	50.0 50.0	50.0	50.0	50.0	50.0

Curve Type Legend:

Ave = Average ISTD
LinF = Linear ISTD forced zero

Data File: /chem/VOAMS12.i/8260L_10/10-05-11/05oct11.b/o52394.d
Report Date: 10-Oct-2011 13:38

TestAmerica

VOLATILE ORGANIC COMPOUND ANALYSIS

Data file : /chem/VOAMS12.i/8260L_10/10-05-11/05oct11.b/o52394.d
Lab Smp Id: IC-VMCAL2
Inj Date : 05-OCT-2011 07:19
Operator : VOAMS 9 Inst ID: VOAMS12.i
Smp Info : IC-VMCAL2
Misc Info :
Comment :
Method : /chem/VOAMS12.i/8260L_10/10-05-11/05oct11.b/8260L_10.m
Meth Date : 10-Oct-2011 13:38 moroneyc Quant Type: ISTD
Cal Date : 05-OCT-2011 07:19 Cal File: o52394.d
Als bottle: 3 Calibration Sample, Level: 2
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: all.sub
Target Version: 3.50
Processing Host: hpd2

Concentration Formula: Amt * DF * ((Vt/Ws)/((100-M)/100)) * CpndVariable

Name	Value	Description
DF	1.00000	Dilution Factor
Vt	5.00000	Volume of final extract (mL)
Ws	5.00000	Weight of sample extracted (g)
M	0.00000	% Moisture (not decanted)

Cpnd Variable Local Compound Variable

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/L)	ON-COL (ug/L)
M 14 1,2-Dichloroethene (total)	100				101992	10.0000	10
90 Dichlorodifluoromethane	85	0.837	0.837	(0.229)	56614	5.00000	4.8
1 Chloromethane	50	0.952	0.938	(0.261)	70409	5.00000	4.8
4 Vinyl Chloride	62	0.973	0.974	(0.266)	70794	5.00000	5.0
3 Bromomethane	94	1.131	1.138	(0.310)	32873	5.00000	4.6
5 Chloroethane	64	1.174	1.174	(0.321)	45670	5.00000	5.0
9 Trichlorofluoromethane	101	1.303	1.303	(0.357)	90234	5.00000	5.0
121 n-Pentane	72	1.339	1.339	(0.366)	12635	5.00000	6.0
127 Ethanol	46	1.425	1.411	(0.390)	100370	2000.00	2000
46 Ethyl Ether	59	1.453	1.453	(0.398)	37647	5.00000	5.2
119 Isoprene	67	1.460	1.461	(0.400)	84701	5.00000	5.2
47 Acrolein	56	1.525	1.525	(0.417)	251623	200.000	200
10 1,1-Dichloroethene	96	1.575	1.575	(0.431)	47336	5.00000	5.2
48 Freon TF	101	1.575	1.575	(0.431)	51863	5.00000	5.2

Data File: /chem/VOAMS12.i/8260L_10/10-05-11/05oct11.b/o52394.d
Report Date: 10-Oct-2011 13:38

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/L)	ON-COL (ug/L)
7	Acetone	43	1.611	1.611	(0.441)	46374	15.0000	16
142	Iodomethane	142	1.654	1.654	(0.453)	63690	5.00000	4.9
8	Carbon Disulfide	76	1.690	1.690	(0.463)	176105	5.00000	5.2
50	Acetonitrile	41	1.768	1.762	(0.484)	110572	100.000	100
125	Methyl acetate	74	1.797	1.790	(0.492)	9944	5.00000	5.2
6	Methylene Chloride	84	1.847	1.847	(0.506)	50814	5.00000	5.6
51	TBA	59	1.947	1.941	(0.533)	92499	100.000	100
52	Acrylonitrile	53	2.005	1.998	(0.549)	279487	100.000	100
12	trans-1,2-Dichloroethene	96	2.012	2.012	(0.551)	50151	5.00000	5.1
53	MTBE	73	2.019	2.019	(0.553)	129344	5.00000	5.2
54	Hexane	56	2.191	2.191	(0.600)	49502	5.00000	5.1
11	1,1-Dichloroethane	63	2.284	2.284	(0.625)	101054	5.00000	5.2
57	Vinyl Acetate	43	2.341	2.342	(0.641)	128330	5.00000	5.2
55	DIPE	45	2.341	2.342	(0.641)	178753	5.00000	5.1
149	tert-Butyl ethyl ether	59	2.599	2.600	(0.712)	156768	5.00000	5.2
104	2,2-Dichloropropane	77	2.692	2.693	(0.737)	92681	5.00000	5.5
13	cis-1,2-Dichloroethene	96	2.692	2.693	(0.737)	51841	5.00000	5.2
18	2-Butanone	72	2.721	2.721	(0.745)	13518	15.0000	15
56	Ethyl Acetate	70	2.778	2.771	(0.761)	9334	10.0000	13
108	Bromochloromethane	128	2.879	2.879	(0.788)	22448	5.00000	5.3
15	Chloroform	83	2.950	2.951	(0.808)	81447	5.00000	5.2
20	1,1,1-Trichloroethane	97	3.079	3.079	(0.843)	79480	5.00000	5.1
59	Cyclohexane	56	3.122	3.122	(0.855)	101437	5.00000	5.1
21	Carbon Tetrachloride	117	3.215	3.216	(0.880)	62312	5.00000	5.0
92	1,1-Dichloropropene	75	3.222	3.223	(0.882)	76711	5.00000	5.2
$ 16	1,2-Dichloroethane-d4 (SUR)	65	3.351	3.352	(0.918)	320183	50.0000	54
28	Benzene	78	3.394	3.395	(0.929)	199098	5.00000	5.1
17	1,2-Dichloroethane	62	3.416	3.416	(0.935)	53992	5.00000	5.0
61	Isopropyl Acetate	43	3.509	3.509	(0.961)	201336	10.0000	10
140	tert-Amylmethyl Ether	73	3.523	3.524	(0.965)	125154	5.00000	5.2
* 69	Fluorobenzene	96	3.652	3.653	(1.000)	1390654	50.0000	
156	2,4,4-Trimethyl-1-pentene	112	3.975	3.968	(1.088)	18366	5.00000	4.4
25	Trichloroethene	95	4.003	4.004	(1.096)	50797	5.00000	5.2
63	n-Butanol	43	4.032	4.032	(1.104)	155208	1000.00	1000
96	Ethyl Acrylate	85	4.168	4.161	(1.141)	2581	5.00000	5.6(H)
126	Methyl cyclohexane	83	4.182	4.183	(1.145)	104673	5.00000	5.2
23	1,2-Dichloropropane	63	4.225	4.226	(1.157)	48699	5.00000	5.0
109	Dibromomethane	93	4.340	4.340	(1.188)	23982	5.00000	5.2
95	1,4-Dioxane	88	4.397	4.390	(1.204)	9021	100.000	97
146	Methyl methacrylate	69	4.397	4.397	(1.204)	26015	5.00000	5.7
64	Propyl Acetate	43	4.483	4.476	(1.228)	110175	10.0000	10
22	Bromodichloromethane	83	4.526	4.526	(1.239)	59013	5.00000	5.1
30	2-Chloroethyl Vinyl Ether	63	4.899	4.899	(1.341)	26790	5.00000	5.1
118	Epichlorohydrin	57	4.949	4.949	(1.355)	74338	100.000	100
24	cis-1,3-Dichloropropene	75	5.035	5.035	(1.379)	74108	5.00000	5.1
33	4-Methyl-2-Pentanone	43	5.250	5.250	(1.437)	116099	15.0000	16
$ 37	Toluene-d8 (SUR)	98	5.336	5.336	(0.740)	1201139	50.0000	54

Data File: /chem/VOAMS12.i/8260L_10/10-05-11/05oct11.b/o52394.d
Report Date: 10-Oct-2011 13:38

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/L)	ON-COL (ug/L)
38	Toluene	91	5.414	5.415	(0.751)	235113	5.00000	5.6
29	trans-1,3-Dichloropropene	75	5.722	5.723	(0.793)	67159	5.00000	5.1
27	1,1,2-Trichloroethane	83	5.944	5.945	(0.824)	30653	5.00000	5.2
35	Tetrachloroethene	166	6.080	6.081	(0.843)	62065	5.00000	5.2
103	1,3-Dichloropropane	76	6.145	6.145	(0.852)	64119	5.00000	5.1
34	2-Hexanone	43	6.324	6.324	(0.877)	82315	15.0000	15
26	Dibromochloromethane	129	6.431	6.432	(0.892)	42882	5.00000	5.1
65	Butyl Acetate	43	6.553	6.546	(0.909)	126102	10.0000	10
66	1,2-Dibromoethane	107	6.546	6.546	(0.908)	35044	5.00000	5.1
* 32	Chlorobenzene-d5	117	7.212	7.213	(1.000)	1067997	50.0000	
39	Chlorobenzene	112	7.255	7.248	(1.006)	139636	5.00000	5.2
97	1,1,1,2-Tetrachloroethane	131	7.398	7.399	(1.026)	49028	5.00000	5.2
40	Ethylbenzene	106	7.456	7.456	(1.034)	77573	5.00000	5.1
43	m+p-Xylene	106	7.635	7.635	(1.059)	193127	10.0000	10
44	o-Xylene	106	8.215	8.215	(1.139)	94745	5.00000	5.2
42	Styrene	104	8.244	8.251	(1.143)	160385	5.00000	5.2
147	Butyl Acrylate	55	8.315	8.316	(0.764)	86301	5.00000	5.2
31	Bromoform	173	8.473	8.473	(1.175)	27562	5.00000	5.0
145	Amyl Acetate	43	8.709	8.710	(1.208)	45533	5.00000	5.1
110	Isopropylbenzene	105	8.817	8.817	(1.222)	255351	5.00000	5.2
$ 41	Bromofluorobenzene (SUR)	174	9.010	9.018	(0.828)	447269	50.0000	53
150	Camphene	41	9.146	9.154	(0.841)	32175	5.00000	5.2
107	Bromobenzene	156	9.196	9.190	(0.845)	59791	5.00000	5.1
36	1,1,2,2-Tetrachloroethane	83	9.340	9.347	(0.858)	45962	5.00000	5.1
99	1,2,3-Trichloropropane	110	9.347	9.347	(0.859)	15887	5.00000	6.3
143	trans-1,4-Dichloro-2-butene	53	9.433	9.433	(2.583)	14783	5.00000	5.1
112	n-Propylbenzene	91	9.469	9.469	(0.870)	313226	5.00000	5.2
105	2-Chlorotoluene	91	9.540	9.541	(0.877)	179393	5.00000	5.2
106	4-Chlorotoluene	91	9.726	9.727	(0.894)	178569	5.00000	5.2
102	1,3,5-Trimethylbenzene	105	9.791	9.791	(0.900)	208820	5.00000	5.2
148	Butyl methacrylate	69	10.085	10.085	(0.927)	75507	5.00000	5.2
115	tert-Butylbenzene	119	10.292	10.293	(0.946)	194389	5.00000	5.2
100	1,2,4-Trimethylbenzene	105	10.378	10.379	(0.954)	213850	5.00000	5.2
114	sec-Butylbenzene	105	10.665	10.665	(0.980)	288906	5.00000	5.2
67	1,3-Dichlorobenzene	146	10.758	10.758	(0.989)	118753	5.00000	5.2
* 91	1,4-Dichlorobenzene-d4	152	10.880	10.880	(1.000)	545784	50.0000	
68	1,4-Dichlorobenzene	146	10.916	10.916	(1.003)	113897	5.00000	5.2
113	p-Isopropyltoluene	119	10.944	10.945	(1.006)	244780	5.00000	5.3
69	1,2-Dichlorobenzene	146	11.467	11.467	(1.054)	106065	5.00000	5.2
117	Benzyl chloride	91	11.181	11.181	(1.028)	99447	5.00000	5.1
111	n-Butylbenzene	91	11.560	11.568	(1.063)	230312	5.00000	5.2
101	1,2-Dibromo-3-chloropropane	75	12.434	12.434	(1.143)	8433	5.00000	5.5
152	Camphor	95	13.150	13.151	(1.209)	23772	25.0000	26
93	1,2,4-Trichlorobenzene	180	13.244	13.244	(1.217)	84431	5.00000	5.4
94	Hexachlorobutadiene	225	13.430	13.430	(1.234)	58568	5.00000	5.3
70	Naphthalene	128	13.444	13.444	(1.236)	147606	5.00000	5.5
98	1,2,3-Trichlorobenzene	180	13.652	13.659	(1.255)	71760	5.00000	5.5

Data File: /chem/VOAMS12.i/8260L_10/10-05-11/05oct11.b/o52394.d
Report Date: 10-Oct-2011 13:38

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/L)	ON-COL (ug/L)
M 45 Xylene (Total)	100				287872	15.0000	16

QC Flag Legend

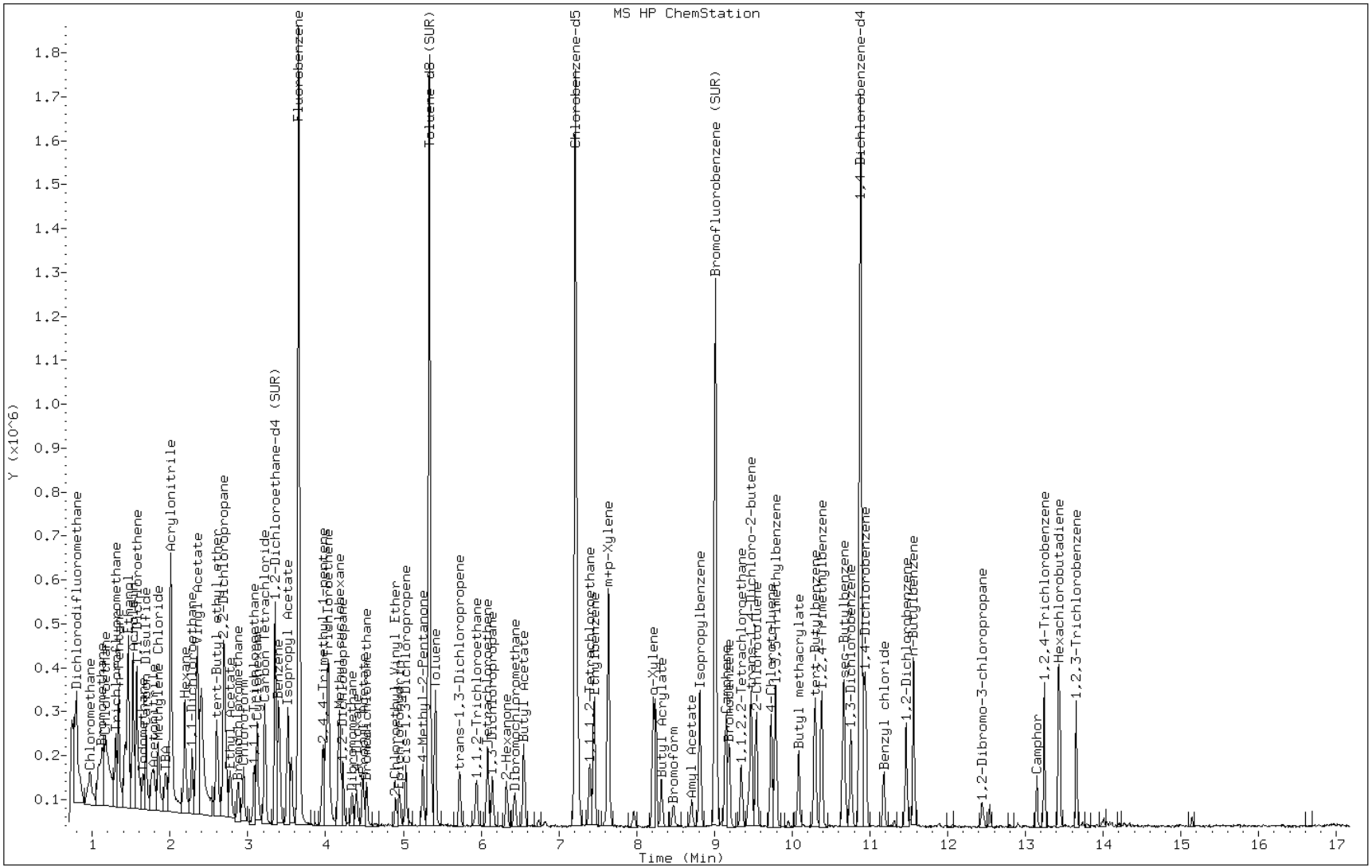
H - Operator selected an alternate compound hit.

Data File: o52394.d

Date: 05-OCT-2011 07:19

Client ID: Instrument: VOAMS12.i

Sample Info: IC-VMCAL2 Operator: VOAMS 9



Data File: /chem/VOAMS12.i/8260L_10/10-05-11/05oct11.b/o52396.d
Report Date: 10-Oct-2011 13:38

TestAmerica

VOLATILE ORGANIC COMPOUND ANALYSIS

Data file : /chem/VOAMS12.i/8260L_10/10-05-11/05oct11.b/o52396.d
Lab Smp Id: IC-VMCAL1
Inj Date : 05-OCT-2011 08:09
Operator : VOAMS 9 Inst ID: VOAMS12.i
Smp Info : IC-VMCAL1
Misc Info :
Comment :
Method : /chem/VOAMS12.i/8260L_10/10-05-11/05oct11.b/8260L_10.m
Meth Date : 10-Oct-2011 13:38 moroneyc Quant Type: ISTD
Cal Date : 05-OCT-2011 08:09 Cal File: o52396.d
Als bottle: 5 Calibration Sample, Level: 1
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: all.sub
Target Version: 3.50
Processing Host: hpd2

Concentration Formula: Amt * DF * ((Vt/Ws)/((100-M)/100)) * CpndVariable

Name	Value	Description
DF	1.00000	Dilution Factor
Vt	5.00000	Volume of final extract (mL)
Ws	5.00000	Weight of sample extracted (g)
M	0.00000	% Moisture (not decanted)

Cpnd Variable Local Compound Variable

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/L)	ON-COL (ug/L)
M 14	1,2-Dichloroethene (total)	100				21790	2.00000	2.2
90	Dichlorodifluoromethane	85	0.837	0.837	(0.229)	13961	1.00000	1.1
1	Chloromethane	50	0.945	0.938	(0.259)	15842	1.00000	1.1
4	Vinyl Chloride	62	0.973	0.974	(0.267)	15115	1.00000	1.0
3	Bromomethane	94	1.138	1.138	(0.312)	7398	1.00000	1.0
5	Chloroethane	64	1.181	1.174	(0.323)	10683	1.00000	1.1
9	Trichlorofluoromethane	101	1.303	1.303	(0.357)	19622	1.00000	1.1
121	n-Pentane	72	1.339	1.339	(0.367)	3511	1.00000	1.7
127	Ethanol	46	1.425	1.411	(0.390)	46926	1000.00	980(a)
46	Ethyl Ether	59	1.453	1.453	(0.398)	8165	1.00000	1.1
119	Isoprene	67	1.461	1.461	(0.400)	17887	1.00000	1.1
47	Acrolein	56	1.525	1.525	(0.418)	98814	100.000	87(a)
10	1,1-Dichloroethene	96	1.568	1.575	(0.429)	9725	1.00000	1.1
48	Freon TF	101	1.575	1.575	(0.431)	10122	1.00000	1.0

Data File: /chem/VOAMS12.i/8260L_10/10-05-11/05oct11.b/o52396.d
Report Date: 10-Oct-2011 13:38

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/L)	ON-COL (ug/L)
7	Acetone	43	1.611	1.611	(0.441)	26322	10.0000	9.8(a)
142	Iodomethane	142	1.654	1.654	(0.453)	14021	1.00000	1.1
8	Carbon Disulfide	76	1.690	1.690	(0.463)	35604	1.00000	1.0
50	Acetonitrile	41	1.769	1.762	(0.484)	24137	20.0000	22
125	Methyl acetate	74	1.797	1.790	(0.492)	2398	1.00000	1.2
6	Methylene Chloride	84	1.847	1.847	(0.506)	14570	1.00000	1.6
51	TBA	59	1.948	1.941	(0.533)	19072	20.0000	21
52	Acrylonitrile	53	1.998	1.998	(0.547)	107611	50.0000	42(a)
12	trans-1,2-Dichloroethene	96	2.012	2.012	(0.551)	10690	1.00000	1.1
53	MTBE	73	2.019	2.019	(0.553)	27497	1.00000	1.1
11	1,1-Dichloroethane	63	2.284	2.284	(0.625)	20308	1.00000	1.0
57	Vinyl Acetate	43	2.342	2.342	(0.641)	30581	1.00000	1.2
55	DIPE	45	2.349	2.342	(0.643)	37365	1.00000	1.0
149	tert-Butyl ethyl ether	59	2.599	2.600	(0.712)	33373	1.00000	1.1
104	2,2-Dichloropropane	77	2.693	2.693	(0.737)	24122	1.00000	1.5
13	cis-1,2-Dichloroethene	96	2.693	2.693	(0.737)	11100	1.00000	1.1
18	2-Butanone	72	2.721	2.721	(0.745)	7820	10.0000	9.4(a)
56	Ethyl Acetate	70	2.779	2.771	(0.761)	2297	2.00000	3.4
108	Bromochloromethane	128	2.879	2.879	(0.788)	5131	1.00000	1.1
15	Chloroform	83	2.950	2.951	(0.808)	18150	1.00000	1.1
20	1,1,1-Trichloroethane	97	3.079	3.079	(0.843)	17947	1.00000	1.1
59	Cyclohexane	56	3.122	3.122	(0.855)	21650	1.00000	1.1
21	Carbon Tetrachloride	117	3.216	3.216	(0.880)	11382	1.00000	0.95(a)
92	1,1-Dichloropropene	75	3.223	3.223	(0.882)	17330	1.00000	1.1
$ 16	1,2-Dichloroethane-d4 (SUR)	65	3.352	3.352	(0.918)	283784	50.0000	49
28	Benzene	78	3.395	3.395	(0.929)	43631	1.00000	1.1
17	1,2-Dichloroethane	62	3.416	3.416	(0.935)	11797	1.00000	1.1
61	Isopropyl Acetate	43	3.516	3.509	(0.963)	39675	2.00000	2.1
140	tert-Amylmethyl Ether	73	3.524	3.524	(0.965)	27526	1.00000	1.1
* 69	Fluorobenzene	96	3.652	3.653	(1.000)	1358949	50.0000	
156	2,4,4-Trimethyl-1-pentene	112	3.968	3.968	(1.086)	5736	1.00000	1.4
25	Trichloroethene	95	4.003	4.004	(1.096)	11075	1.00000	1.1
63	n-Butanol	43	4.039	4.032	(1.106)	63787	500.000	450(a)
96	Ethyl Acrylate	85	4.161	4.161	(1.139)	506	1.00000	1.1(H)
126	Methyl cyclohexane	83	4.183	4.183	(1.145)	20911	1.00000	1.0
23	1,2-Dichloropropane	63	4.218	4.226	(1.155)	11501	1.00000	1.1
109	Dibromomethane	93	4.340	4.340	(1.188)	5955	1.00000	1.2
95	1,4-Dioxane	88	4.405	4.390	(1.206)	3931	50.0000	45(a)
146	Methyl methacrylate	69	4.397	4.397	(1.204)	7520	1.00000	1.7
64	Propyl Acetate	43	4.483	4.476	(1.227)	24893	2.00000	2.2
22	Bromodichloromethane	83	4.526	4.526	(1.239)	12774	1.00000	1.1
118	Epichlorohydrin	57	4.949	4.949	(1.355)	15918	20.0000	21
24	cis-1,3-Dichloropropene	75	5.035	5.035	(1.379)	15546	1.00000	1.1
33	4-Methyl-2-Pentanone	43	5.250	5.250	(1.437)	61255	10.0000	9.0(a)
$ 37	Toluene-d8 (SUR)	98	5.336	5.336	(0.740)	1107180	50.0000	50
38	Toluene	91	5.407	5.415	(0.750)	58777	1.00000	1.4
29	trans-1,3-Dichloropropene	75	5.723	5.723	(0.793)	14582	1.00000	1.1

Data File: /chem/VOAMS12.i/8260L_10/10-05-11/05oct11.b/o52396.d
Report Date: 10-Oct-2011 13:38

			QUANT SIG					AMOUNTS	
		Compounds	MASS	RT	EXP RT	REL RT	RESPONSE	CAL-AMT (ug/L)	ON-COL (ug/L)
	27	1,1,2-Trichloroethane	83	5.945	5.945	(0.824)	6597	1.00000	1.1
	35	Tetrachloroethene	166	6.081	6.081	(0.843)	14186	1.00000	1.1
	103	1,3-Dichloropropane	76	6.145	6.145	(0.852)	14062	1.00000	1.1
	34	2-Hexanone	43	6.324	6.324	(0.877)	46804	10.0000	9.2(a)
	26	Dibromochloromethane	129	6.432	6.432	(0.892)	9219	1.00000	1.1
	65	Butyl Acetate	43	6.553	6.546	(0.909)	25877	2.00000	2.1
	66	1,2-Dibromoethane	107	6.546	6.546	(0.908)	7516	1.00000	1.1
*	32	Chlorobenzene-d5	117	7.213	7.213	(1.000)	1050158	50.0000	
	39	Chlorobenzene	112	7.248	7.248	(1.005)	30729	1.00000	1.1
	97	1,1,1,2-Tetrachloroethane	131	7.392	7.399	(1.025)	10649	1.00000	1.1
	40	Ethylbenzene	106	7.449	7.456	(1.033)	18714	1.00000	1.2
	43	m+p-Xylene	106	7.635	7.635	(1.059)	44308	2.00000	2.2
	44	o-Xylene	106	8.215	8.215	(1.139)	21604	1.00000	1.1
	42	Styrene	104	8.244	8.251	(1.143)	34200	1.00000	1.1
	147	Butyl Acrylate	55	8.316	8.316	(0.764)	19104	1.00000	1.1
	31	Bromoform	173	8.473	8.473	(1.175)	5901	1.00000	1.1
	145	Amyl Acetate	43	8.710	8.710	(1.208)	9526	1.00000	1.1
	110	Isopropylbenzene	105	8.817	8.817	(1.222)	54665	1.00000	1.1
$	41	Bromofluorobenzene (SUR)	174	9.018	9.018	(0.829)	414348	50.0000	50
	150	Camphene	41	9.139	9.154	(0.840)	6695	1.00000	1.1
	107	Bromobenzene	156	9.190	9.190	(0.845)	13219	1.00000	1.1
	36	1,1,2,2-Tetrachloroethane	83	9.347	9.347	(0.859)	10649	1.00000	1.1
	99	1,2,3-Trichloropropane	110	9.354	9.347	(0.860)	3908	1.00000	1.6
	143	trans-1,4-Dichloro-2-butene	53	9.433	9.433	(2.583)	3439	1.00000	1.1
	112	n-Propylbenzene	91	9.469	9.469	(0.870)	70023	1.00000	1.1
	105	2-Chlorotoluene	91	9.533	9.541	(0.876)	38141	1.00000	1.1
	106	4-Chlorotoluene	91	9.727	9.727	(0.894)	40545	1.00000	1.1
	102	1,3,5-Trimethylbenzene	105	9.784	9.791	(0.899)	45898	1.00000	1.1
	148	Butyl methacrylate	69	10.078	10.085	(0.926)	15896	1.00000	1.1
	115	tert-Butylbenzene	119	10.293	10.293	(0.946)	42027	1.00000	1.1
	100	1,2,4-Trimethylbenzene	105	10.379	10.379	(0.954)	49430	1.00000	1.1
	114	sec-Butylbenzene	105	10.658	10.665	(0.980)	61655	1.00000	1.1
	67	1,3-Dichlorobenzene	146	10.758	10.758	(0.989)	26096	1.00000	1.1
*	91	1,4-Dichlorobenzene-d4	152	10.880	10.880	(1.000)	536500	50.0000	
	68	1,4-Dichlorobenzene	146	10.916	10.916	(1.003)	26569	1.00000	1.1
	113	p-Isopropyltoluene	119	10.944	10.945	(1.006)	50833	1.00000	1.1
	69	1,2-Dichlorobenzene	146	11.467	11.467	(1.054)	23491	1.00000	1.1
	117	Benzyl chloride	91	11.181	11.181	(1.028)	21612	1.00000	1.1
	111	n-Butylbenzene	91	11.560	11.568	(1.063)	49873	1.00000	1.1
	101	1,2-Dibromo-3-chloropropane	75	12.434	12.434	(1.143)	2483	1.00000	1.6
	152	Camphor	95	13.151	13.151	(1.209)	5160	5.00000	5.5
	93	1,2,4-Trichlorobenzene	180	13.244	13.244	(1.217)	18474	1.00000	1.1
	70	Naphthalene	128	13.444	13.444	(1.236)	33697	1.00000	1.2
	98	1,2,3-Trichlorobenzene	180	13.652	13.659	(1.255)	17203	1.00000	1.2
M	45	Xylene (Total)	100				65912	3.00000	3.4

Data File: /chem/VOAMS12.i/8260L_10/10-05-11/05oct11.b/o52396.d
Report Date: 10-Oct-2011 13:38

QC Flag Legend

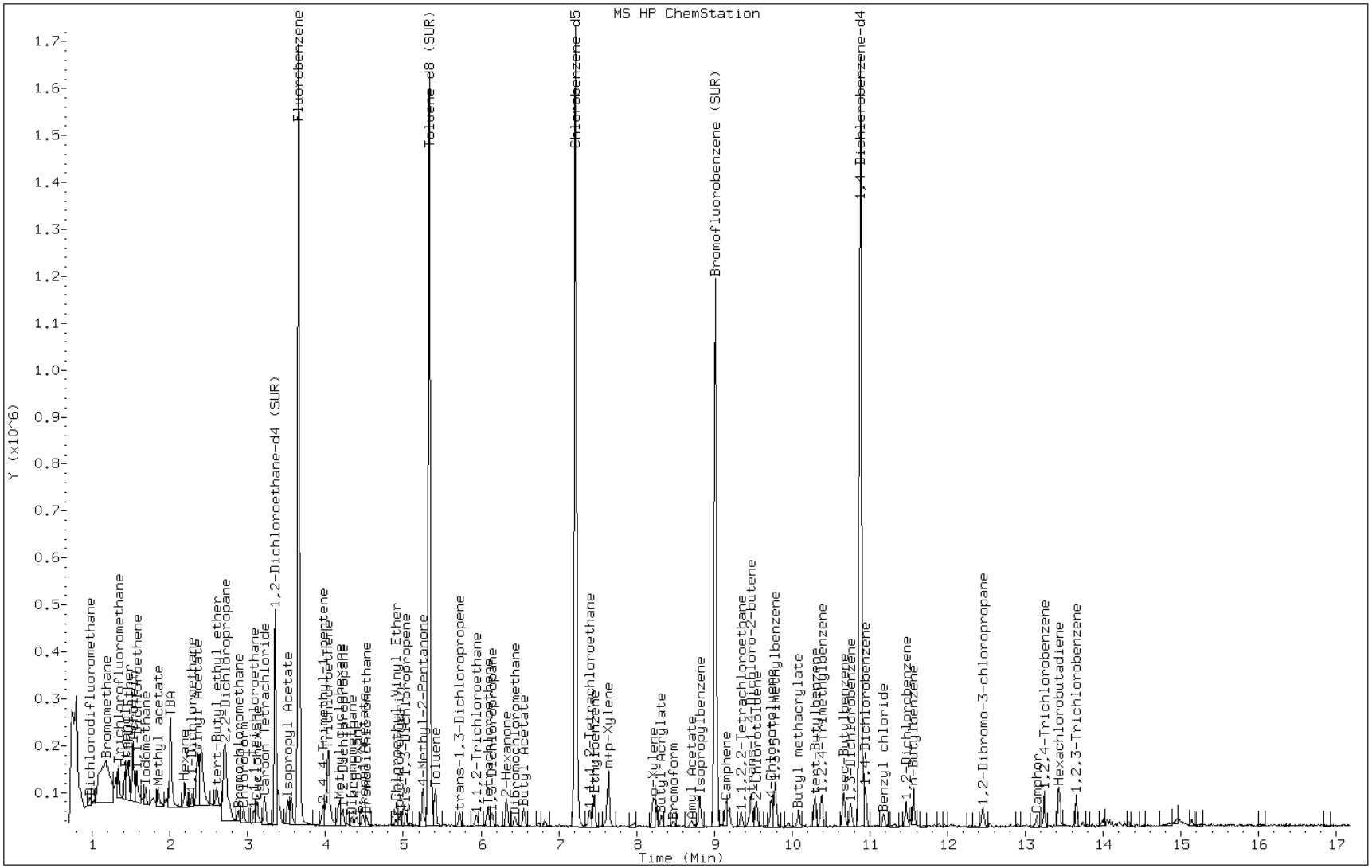
a - Target compound detected but, quantitated amount
    Below Limit Of Quantitation(BLOQ).
H - Operator selected an alternate compound hit.

Data File: o52396.d

Date: 05-OCT-2011 08:09

Client ID: Instrument: VOAMS12.i

Sample Info: IC-VMCAL1 Operator: VOAMS 9



Data File: /chem/VOAMS12.i/8260L_10/10-05-11/05oct11.b/o52392.d
Report Date: 10-Oct-2011 13:38

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VOLATILE ORGANIC COMPOUND ANALYSIS

Data file : /chem/VOAMS12.i/8260L_10/10-05-11/05oct11.b/o52392.d
Lab Smp Id: ICIS-VMCAL3
Inj Date : 05-OCT-2011 06:28
Operator : VOAMS 9 Inst ID: VOAMS12.i
Smp Info : ICIS-VMCAL3
Misc Info :
Comment :
Method : /chem/VOAMS12.i/8260L_10/10-05-11/05oct11.b/8260L_10.m
Meth Date : 10-Oct-2011 13:38 moroneyc Quant Type: ISTD
Cal Date : 05-OCT-2011 06:28 Cal File: o52392.d
Als bottle: 1 Calibration Sample, Level: 3
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: all.sub
Target Version: 3.50
Processing Host: hpd2

Concentration Formula: Amt * DF * ((Vt/Ws)/((100-M)/100)) * CpndVariable

Name	Value	Description
DF	1.00000	Dilution Factor
Vt	5.00000	Volume of final extract (mL)
Ws	5.00000	Weight of sample extracted (g)
M	0.00000	% Moisture (not decanted)

Cpnd Variable Local Compound Variable

		QUANT SIG					AMOUNTS	
	Compounds	MASS	RT	EXP RT	REL RT	RESPONSE	CAL-AMT (ug/L)	ON-COL (ug/L)
M	14 1,2-Dichloroethene (total)	100				383062	40.0000	40
	90 Dichlorodifluoromethane	85	0.837	0.837	(0.229)	244474	20.0000	20
	1 Chloromethane	50	0.938	0.938	(0.257)	304396	20.0000	20
	4 Vinyl Chloride	62	0.974	0.974	(0.267)	284416	20.0000	20
	3 Bromomethane	94	1.138	1.138	(0.312)	150854	20.0000	20
	5 Chloroethane	64	1.174	1.174	(0.321)	184272	20.0000	20
	9 Trichlorofluoromethane	101	1.303	1.303	(0.357)	350915	20.0000	20
	121 n-Pentane	72	1.339	1.339	(0.367)	41330	20.0000	20
	127 Ethanol	46	1.411	1.411	(0.386)	144944	3000.00	3000
	46 Ethyl Ether	59	1.453	1.453	(0.398)	139912	20.0000	20
	119 Isoprene	67	1.461	1.461	(0.400)	306991	20.0000	20
	47 Acrolein	56	1.525	1.525	(0.418)	359024	300.000	300
	10 1,1-Dichloroethene	96	1.575	1.575	(0.431)	170718	20.0000	20
	48 Freon TF	101	1.575	1.575	(0.431)	190073	20.0000	20

Data File: /chem/VOAMS12.i/8260L_10/10-05-11/05oct11.b/o52392.d
Report Date: 10-Oct-2011 13:38

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/L)	ON-COL (ug/L)
7	Acetone	43	1.611	1.611	(0.441)	49386	20.0000	20
142	Iodomethane	142	1.654	1.654	(0.453)	263067	20.0000	20
8	Carbon Disulfide	76	1.690	1.690	(0.463)	649487	20.0000	20
50	Acetonitrile	41	1.762	1.762	(0.482)	416031	400.000	400
125	Methyl acetate	74	1.790	1.790	(0.490)	35468	20.0000	20
6	Methylene Chloride	84	1.847	1.847	(0.506)	179106	20.0000	20
51	TBA	59	1.941	1.941	(0.531)	331909	400.000	400
52	Acrylonitrile	53	1.998	1.998	(0.547)	411637	150.000	150
12	trans-1,2-Dichloroethene	96	2.012	2.012	(0.551)	191427	20.0000	20
53	MTBE	73	2.019	2.019	(0.553)	466148	20.0000	20
54	Hexane	56	2.191	2.191	(0.600)	188929	20.0000	20
11	1,1-Dichloroethane	63	2.284	2.284	(0.625)	361129	20.0000	20
57	Vinyl Acetate	43	2.342	2.342	(0.641)	475422	20.0000	20
55	DIPE	45	2.342	2.342	(0.641)	684232	20.0000	20
149	tert-Butyl ethyl ether	59	2.600	2.600	(0.712)	569888	20.0000	20
104	2,2-Dichloropropane	77	2.693	2.693	(0.737)	327957	20.0000	20
13	cis-1,2-Dichloroethene	96	2.693	2.693	(0.737)	191635	20.0000	20
18	2-Butanone	72	2.721	2.721	(0.745)	17129	20.0000	20
56	Ethyl Acetate	70	2.771	2.771	(0.759)	26822	40.0000	40
108	Bromochloromethane	128	2.879	2.879	(0.788)	78872	20.0000	20
15	Chloroform	83	2.951	2.951	(0.808)	301479	20.0000	20
20	1,1,1-Trichloroethane	97	3.079	3.079	(0.843)	298139	20.0000	20
59	Cyclohexane	56	3.122	3.122	(0.855)	378198	20.0000	20
21	Carbon Tetrachloride	117	3.216	3.216	(0.880)	247930	20.0000	20
92	1,1-Dichloropropene	75	3.223	3.223	(0.882)	280757	20.0000	20
$ 16	1,2-Dichloroethane-d4 (SUR)	65	3.352	3.352	(0.918)	268013	50.0000	50
28	Benzene	78	3.395	3.395	(0.929)	742366	20.0000	20
17	1,2-Dichloroethane	62	3.416	3.416	(0.935)	209874	20.0000	20
61	Isopropyl Acetate	43	3.509	3.509	(0.961)	731569	40.0000	40
140	tert-Amylmethyl Ether	73	3.524	3.524	(0.965)	457544	20.0000	20
* 69	Fluorobenzene	96	3.653	3.653	(1.000)	1375232	50.0000	
156	2,4,4-Trimethyl-1-pentene	112	3.968	3.968	(1.086)	83502	20.0000	20
25	Trichloroethene	95	4.004	4.004	(1.096)	188935	20.0000	20
63	n-Butanol	43	4.032	4.032	(1.104)	223040	1500.00	1500
96	Ethyl Acrylate	85	4.161	4.161	(1.139)	8098	20.0000	20(H)
126	Methyl cyclohexane	83	4.183	4.183	(1.145)	382623	20.0000	20
23	1,2-Dichloropropane	63	4.226	4.226	(1.157)	191481	20.0000	20
109	Dibromomethane	93	4.340	4.340	(1.188)	88461	20.0000	20
95	1,4-Dioxane	88	4.390	4.390	(1.202)	14323	150.000	150
146	Methyl methacrylate	69	4.397	4.397	(1.204)	89036	20.0000	20
64	Propyl Acetate	43	4.476	4.476	(1.226)	408519	40.0000	40
22	Bromodichloromethane	83	4.526	4.526	(1.239)	222141	20.0000	20
30	2-Chloroethyl Vinyl Ether	63	4.899	4.899	(1.341)	101168	20.0000	20
118	Epichlorohydrin	57	4.949	4.949	(1.355)	287255	400.000	400
24	cis-1,3-Dichloropropene	75	5.035	5.035	(1.378)	282108	20.0000	20
33	4-Methyl-2-Pentanone	43	5.250	5.250	(1.437)	136013	20.0000	20
$ 37	Toluene-d8 (SUR)	98	5.336	5.336	(0.740)	1018775	50.0000	50

Data File: /chem/VOAMS12.i/8260L_10/10-05-11/05oct11.b/o52392.d
Report Date: 10-Oct-2011 13:38

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/L)	ON-COL (ug/L)
38	Toluene	91	5.415	5.415	(0.751)	809921	20.0000	20
29	trans-1,3-Dichloropropene	75	5.723	5.723	(0.793)	254114	20.0000	20
27	1,1,2-Trichloroethane	83	5.945	5.945	(0.824)	111293	20.0000	20
35	Tetrachloroethene	166	6.081	6.081	(0.843)	228765	20.0000	20
103	1,3-Dichloropropane	76	6.145	6.145	(0.852)	238395	20.0000	20
34	2-Hexanone	43	6.324	6.324	(0.877)	102264	20.0000	20
26	Dibromochloromethane	129	6.432	6.432	(0.892)	158812	20.0000	20
65	Butyl Acetate	43	6.546	6.546	(0.908)	470775	40.0000	40
66	1,2-Dibromoethane	107	6.546	6.546	(0.908)	130146	20.0000	20
* 32	Chlorobenzene-d5	117	7.213	7.213	(1.000)	1047110	50.0000	
39	Chlorobenzene	112	7.248	7.248	(1.005)	509471	20.0000	20
97	1,1,1,2-Tetrachloroethane	131	7.399	7.399	(1.026)	178888	20.0000	20
40	Ethylbenzene	106	7.456	7.456	(1.034)	287727	20.0000	20
43	m+p-Xylene	106	7.635	7.635	(1.059)	706414	40.0000	40
44	o-Xylene	106	8.215	8.215	(1.139)	340320	20.0000	20
42	Styrene	104	8.251	8.251	(1.144)	577145	20.0000	20
147	Butyl Acrylate	55	8.316	8.316	(0.764)	314637	20.0000	20
31	Bromoform	173	8.473	8.473	(1.175)	105830	20.0000	20
145	Amyl Acetate	43	8.710	8.710	(1.208)	168215	20.0000	20
110	Isopropylbenzene	105	8.817	8.817	(1.222)	935194	20.0000	20
$ 41	Bromofluorobenzene (SUR)	174	9.018	9.018	(0.829)	379380	50.0000	50
150	Camphene	41	9.154	9.154	(0.841)	114459	20.0000	20
107	Bromobenzene	156	9.190	9.190	(0.845)	219910	20.0000	20
36	1,1,2,2-Tetrachloroethane	83	9.347	9.347	(0.859)	170160	20.0000	20
99	1,2,3-Trichloropropane	110	9.347	9.347	(0.859)	47696	20.0000	20
143	trans-1,4-Dichloro-2-butene	53	9.433	9.433	(2.583)	56305	20.0000	20
112	n-Propylbenzene	91	9.469	9.469	(0.870)	1143293	20.0000	20
105	2-Chlorotoluene	91	9.541	9.541	(0.877)	641628	20.0000	20
106	4-Chlorotoluene	91	9.727	9.727	(0.894)	650438	20.0000	20
102	1,3,5-Trimethylbenzene	105	9.791	9.791	(0.900)	763532	20.0000	20
148	Butyl methacrylate	69	10.085	10.085	(0.927)	275792	20.0000	20
115	tert-Butylbenzene	119	10.293	10.293	(0.946)	695803	20.0000	20
100	1,2,4-Trimethylbenzene	105	10.379	10.379	(0.954)	760411	20.0000	20
114	sec-Butylbenzene	105	10.665	10.665	(0.980)	1039566	20.0000	20
67	1,3-Dichlorobenzene	146	10.758	10.758	(0.989)	420509	20.0000	20
* 91	1,4-Dichlorobenzene-d4	152	10.880	10.880	(1.000)	530595	50.0000	
68	1,4-Dichlorobenzene	146	10.916	10.916	(1.003)	413905	20.0000	20
113	p-Isopropyltoluene	119	10.945	10.945	(1.006)	856345	20.0000	20
69	1,2-Dichlorobenzene	146	11.467	11.467	(1.054)	373152	20.0000	20
117	Benzyl chloride	91	11.181	11.181	(1.028)	364669	20.0000	20
111	n-Butylbenzene	91	11.568	11.568	(1.063)	820921	20.0000	20
101	1,2-Dibromo-3-chloropropane	75	12.434	12.434	(1.143)	29592	20.0000	20
152	Camphor	95	13.151	13.151	(1.209)	81594	100.000	100
93	1,2,4-Trichlorobenzene	180	13.244	13.244	(1.217)	275534	20.0000	20
94	Hexachlorobutadiene	225	13.430	13.430	(1.234)	199508	20.0000	20
70	Naphthalene	128	13.444	13.444	(1.236)	471681	20.0000	20
98	1,2,3-Trichlorobenzene	180	13.659	13.659	(1.255)	230086	20.0000	20

Data File: /chem/VOAMS12.i/8260L_10/10-05-11/05oct11.b/o52392.d
Report Date: 10-Oct-2011 13:38

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/L)	ON-COL (ug/L)
M 45 Xylene (Total)	100				1046734	60.0000	60

QC Flag Legend

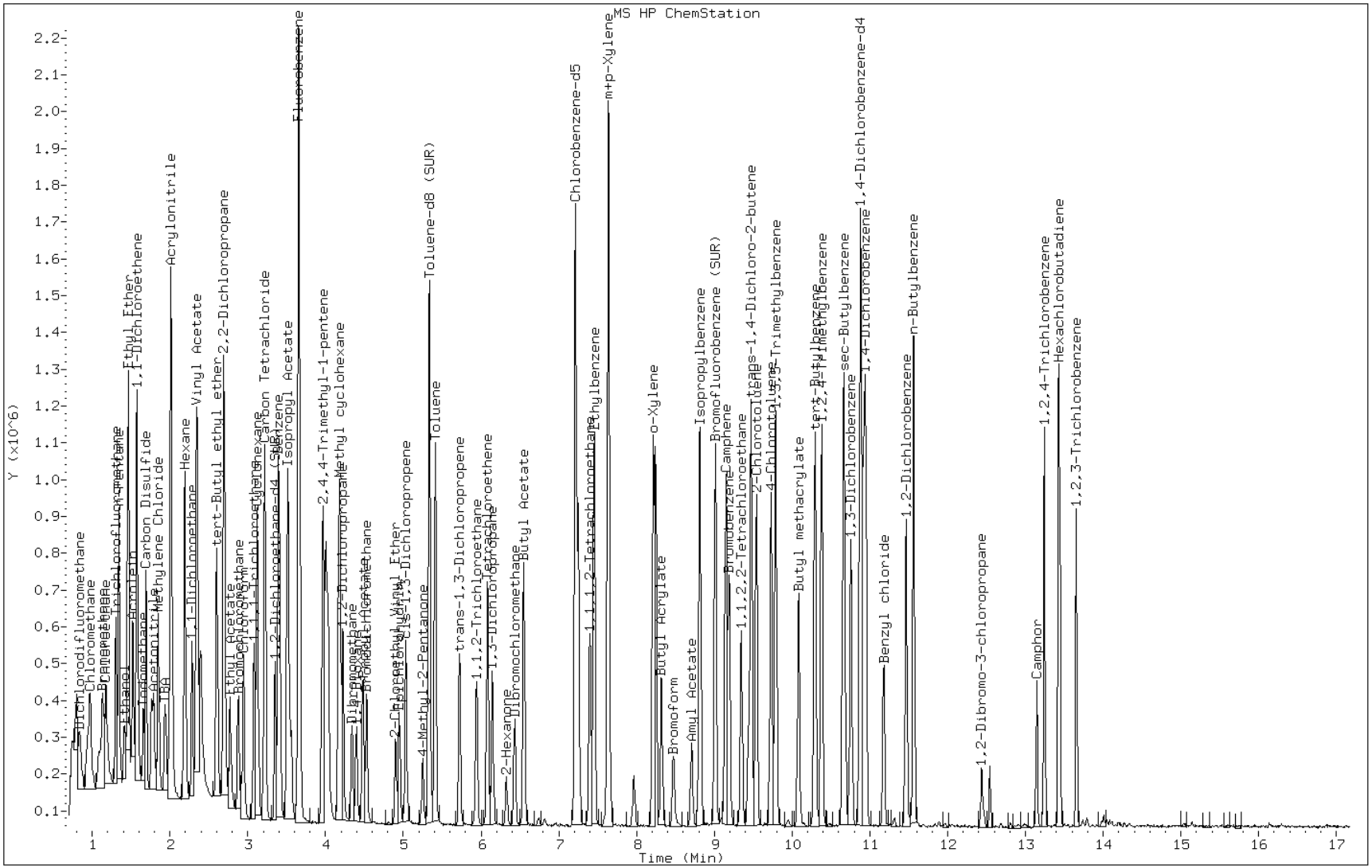
H - Operator selected an alternate compound hit.

Data File: o52392.d

Date: 05-OCT-2011 06:28

Client ID: Instrument: VOAMS12.i

Sample Info: ICIS-VMCAL3 Operator: VOAMS 9



Data File: /chem/VOAMS12.i/8260L_10/10-05-11/05oct11.b/o52399.d
Report Date: 10-Oct-2011 14:26

TestAmerica

VOLATILE ORGANIC COMPOUND ANALYSIS

Data file : /chem/VOAMS12.i/8260L_10/10-05-11/05oct11.b/o52399.d
Lab Smp Id: IC-VMCAL4
Inj Date : 05-OCT-2011 09:25
Operator : VOAMS 9 Inst ID: VOAMS12.i
Smp Info : IC-VMCAL4
Misc Info :
Comment :
Method : /chem/VOAMS12.i/8260L_10/10-05-11/05oct11.b/8260L_10.m
Meth Date : 10-Oct-2011 14:26 maryb Quant Type: ISTD
Cal Date : 05-OCT-2011 09:25 Cal File: o52399.d
Als bottle: 8 Calibration Sample, Level: 4
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: all.sub
Target Version: 3.50
Processing Host: hpd2

Concentration Formula: Amt * DF * ((Vt/Ws)/((100-M)/100)) * CpndVariable

Name	Value	Description
DF	1.00000	Dilution Factor
Vt	5.00000	Volume of final extract (mL)
Ws	5.00000	Weight of sample extracted (g)
M	0.00000	% Moisture (not decanted)

Cpnd Variable Local Compound Variable

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/L)	ON-COL (ug/L)
M 14	1,2-Dichloroethene (total)	100				990168	100.000	99
90	Dichlorodifluoromethane	85	0.837	0.837	(0.229)	576581	50.0000	51
1	Chloromethane	50	0.952	0.938	(0.261)	703608	50.0000	53
4	Vinyl Chloride	62	0.973	0.974	(0.266)	669931	50.0000	51
3	Bromomethane	94	1.131	1.138	(0.310)	280475	50.0000	44
5	Chloroethane	64	1.174	1.174	(0.321)	428972	50.0000	50
9	Trichlorofluoromethane	101	1.303	1.303	(0.357)	882654	50.0000	51
121	n-Pentane	72	1.339	1.339	(0.367)	106662	50.0000	52
127	Ethanol	46	1.425	1.411	(0.390)	184529	4000.00	3900
46	Ethyl Ether	59	1.453	1.453	(0.398)	352191	50.0000	49
119	Isoprene	67	1.461	1.461	(0.400)	775779	50.0000	49
47	Acrolein	56	1.525	1.525	(0.418)	452040	400.000	410
10	1,1-Dichloroethene	96	1.575	1.575	(0.431)	446729	50.0000	50
48	Freon TF	101	1.575	1.575	(0.431)	485658	50.0000	50

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Report Date: 10-Oct-2011 14:26

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/L)	ON-COL (ug/L)
	7 Acetone	43	1.611	1.611	(0.441)	124755	50.0000	52
	142 Iodomethane	142	1.661	1.654	(0.455)	695145	50.0000	53
	8 Carbon Disulfide	76	1.690	1.690	(0.463)	1631014	50.0000	51
	50 Acetonitrile	41	1.769	1.762	(0.484)	962669	1000.00	980
	125 Methyl acetate	74	1.797	1.790	(0.492)	84270	50.0000	47
	6 Methylene Chloride	84	1.847	1.847	(0.506)	454932	50.0000	51
	51 TBA	59	1.948	1.941	(0.533)	788350	1000.00	940
	52 Acrylonitrile	53	2.005	1.998	(0.549)	526772	200.000	200
	12 trans-1,2-Dichloroethene	96	2.012	2.012	(0.551)	487228	50.0000	50
	53 MTBE	73	2.019	2.019	(0.553)	1166760	50.0000	48
	54 Hexane	56	2.191	2.191	(0.600)	474682	50.0000	49
	11 1,1-Dichloroethane	63	2.284	2.284	(0.625)	929256	50.0000	50
	57 Vinyl Acetate	43	2.342	2.342	(0.641)	1136768	50.0000	46
	55 DIPE	45	2.349	2.342	(0.643)	1682112	50.0000	50
	149 tert-Butyl ethyl ether	59	2.607	2.600	(0.714)	1440465	50.0000	49
	104 2,2-Dichloropropane	77	2.693	2.693	(0.737)	818759	50.0000	50
	13 cis-1,2-Dichloroethene	96	2.693	2.693	(0.737)	502940	50.0000	50
	18 2-Butanone	72	2.721	2.721	(0.745)	42955	50.0000	52
	56 Ethyl Acetate	70	2.771	2.771	(0.759)	57769	100.000	87
	108 Bromochloromethane	128	2.879	2.879	(0.788)	202091	50.0000	49
	15 Chloroform	83	2.950	2.951	(0.808)	772663	50.0000	50
	20 1,1,1-Trichloroethane	97	3.079	3.079	(0.843)	766033	50.0000	50
	59 Cyclohexane	56	3.122	3.122	(0.855)	915877	50.0000	49
	21 Carbon Tetrachloride	117	3.215	3.216	(0.880)	632625	50.0000	51
	92 1,1-Dichloropropene	75	3.223	3.223	(0.882)	708417	50.0000	48
$	16 1,2-Dichloroethane-d4 (SUR)	65	3.352	3.352	(0.918)	285956	50.0000	54
	28 Benzene	78	3.395	3.395	(0.929)	1872760	50.0000	50
	17 1,2-Dichloroethane	62	3.416	3.416	(0.935)	522501	50.0000	50
	61 Isopropyl Acetate	43	3.516	3.509	(0.963)	1720866	100.000	96
	140 tert-Amylmethyl Ether	73	3.523	3.524	(0.965)	1124242	50.0000	48
*	69 Fluorobenzene	96	3.652	3.653	(1.000)	1302298	50.0000	
	156 2,4,4-Trimethyl-1-pentene	112	3.968	3.968	(1.086)	203385	50.0000	50
	25 Trichloroethene	95	4.003	4.004	(1.096)	476808	50.0000	49
	63 n-Butanol	43	4.039	4.032	(1.106)	256280	2000.00	1900
	96 Ethyl Acrylate	85	4.161	4.161	(1.139)	19301	50.0000	45(H)
	126 Methyl cyclohexane	83	4.182	4.183	(1.145)	944760	50.0000	49
	23 1,2-Dichloropropane	63	4.225	4.226	(1.157)	474298	50.0000	49
	109 Dibromomethane	93	4.340	4.340	(1.188)	220295	50.0000	48
	95 1,4-Dioxane	88	4.390	4.390	(1.202)	16019	200.000	200
	146 Methyl methacrylate	69	4.397	4.397	(1.204)	227974	50.0000	50
	64 Propyl Acetate	43	4.483	4.476	(1.227)	988379	100.000	96
	22 Bromodichloromethane	83	4.526	4.526	(1.239)	561768	50.0000	49
	30 2-Chloroethyl Vinyl Ether	63	4.906	4.899	(1.343)	248120	50.0000	49
	118 Epichlorohydrin	57	4.949	4.949	(1.355)	673255	1000.00	970
	24 cis-1,3-Dichloropropene	75	5.035	5.035	(1.379)	710298	50.0000	50
	33 4-Methyl-2-Pentanone	43	5.250	5.250	(1.437)	334660	50.0000	50
$	37 Toluene-d8 (SUR)	98	5.336	5.336	(0.740)	1099976	50.0000	54

Data File: /chem/VOAMS12.i/8260L_10/10-05-11/05oct11.b/o52399.d
Report Date: 10-Oct-2011 14:26

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/L)	ON-COL (ug/L)
38	Toluene	91	5.415	5.415	(0.751)	2049831	50.0000	54
29	trans-1,3-Dichloropropene	75	5.723	5.723	(0.793)	628765	50.0000	49
27	1,1,2-Trichloroethane	83	5.945	5.945	(0.824)	276400	50.0000	49
35	Tetrachloroethene	166	6.081	6.081	(0.843)	586372	50.0000	49
103	1,3-Dichloropropane	76	6.145	6.145	(0.852)	597116	50.0000	49
34	2-Hexanone	43	6.324	6.324	(0.877)	244168	50.0000	50
26	Dibromochloromethane	129	6.432	6.432	(0.892)	411450	50.0000	49
65	Butyl Acetate	43	6.553	6.546	(0.909)	1143447	100.000	97
66	1,2-Dibromoethane	107	6.546	6.546	(0.908)	328615	50.0000	49
* 32	Chlorobenzene-d5	117	7.212	7.213	(1.000)	998599	50.0000	
39	Chlorobenzene	112	7.255	7.248	(1.006)	1295127	50.0000	49
97	1,1,1,2-Tetrachloroethane	131	7.399	7.399	(1.026)	463344	50.0000	49
40	Ethylbenzene	106	7.456	7.456	(1.034)	725532	50.0000	48
43	m+p-Xylene	106	7.642	7.635	(1.060)	1785421	100.000	95
44	o-Xylene	106	8.215	8.215	(1.139)	860313	50.0000	48
42	Styrene	104	8.244	8.251	(1.143)	1434746	50.0000	48
147	Butyl Acrylate	55	8.323	8.316	(0.765)	755854	50.0000	47
31	Bromoform	173	8.473	8.473	(1.175)	263371	50.0000	48
145	Amyl Acetate	43	8.710	8.710	(1.208)	391662	50.0000	48
110	Isopropylbenzene	105	8.817	8.817	(1.222)	2385639	50.0000	50
$ 41	Bromofluorobenzene (SUR)	174	9.018	9.018	(0.829)	409762	50.0000	53
150	Camphene	41	9.146	9.154	(0.841)	289196	50.0000	49
107	Bromobenzene	156	9.197	9.190	(0.845)	549239	50.0000	48
36	1,1,2,2-Tetrachloroethane	83	9.347	9.347	(0.859)	421536	50.0000	48
99	1,2,3-Trichloropropane	110	9.354	9.347	(0.860)	122584	50.0000	50
143	trans-1,4-Dichloro-2-butene	53	9.433	9.433	(2.583)	131792	50.0000	48
112	n-Propylbenzene	91	9.476	9.469	(0.871)	2883405	50.0000	48
105	2-Chlorotoluene	91	9.540	9.541	(0.877)	1577073	50.0000	48
106	4-Chlorotoluene	91	9.727	9.727	(0.894)	1626962	50.0000	48
102	1,3,5-Trimethylbenzene	105	9.791	9.791	(0.900)	1917976	50.0000	48
148	Butyl methacrylate	69	10.085	10.085	(0.927)	678642	50.0000	49
115	tert-Butylbenzene	119	10.293	10.293	(0.946)	1755760	50.0000	48
100	1,2,4-Trimethylbenzene	105	10.379	10.379	(0.954)	1910322	50.0000	47
114	sec-Butylbenzene	105	10.665	10.665	(0.980)	2659693	50.0000	48
67	1,3-Dichlorobenzene	146	10.758	10.758	(0.989)	1059892	50.0000	48
* 91	1,4-Dichlorobenzene-d4	152	10.880	10.880	(1.000)	513793	50.0000	
68	1,4-Dichlorobenzene	146	10.916	10.916	(1.003)	1040373	50.0000	47
113	p-Isopropyltoluene	119	10.944	10.945	(1.006)	2192788	50.0000	48
69	1,2-Dichlorobenzene	146	11.467	11.467	(1.054)	937986	50.0000	47
117	Benzyl chloride	91	11.181	11.181	(1.028)	806384	50.0000	46
111	n-Butylbenzene	91	11.568	11.568	(1.063)	2059642	50.0000	49
101	1,2-Dibromo-3-chloropropane	75	12.434	12.434	(1.143)	73628	50.0000	49
152	Camphor	95	13.151	13.151	(1.209)	200573	250.000	240
93	1,2,4-Trichlorobenzene	180	13.244	13.244	(1.217)	696359	50.0000	46
94	Hexachlorobutadiene	225	13.430	13.430	(1.234)	518111	50.0000	47
70	Naphthalene	128	13.444	13.444	(1.236)	1200125	50.0000	46
98	1,2,3-Trichlorobenzene	180	13.659	13.659	(1.255)	588692	50.0000	45

Data File: /chem/VOAMS12.i/8260L_10/10-05-11/05oct11.b/o52399.d
Report Date: 10-Oct-2011 14:26

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/L)	ON-COL (ug/L)
M 45 Xylene (Total)	100				2645734	150.000	140

QC Flag Legend

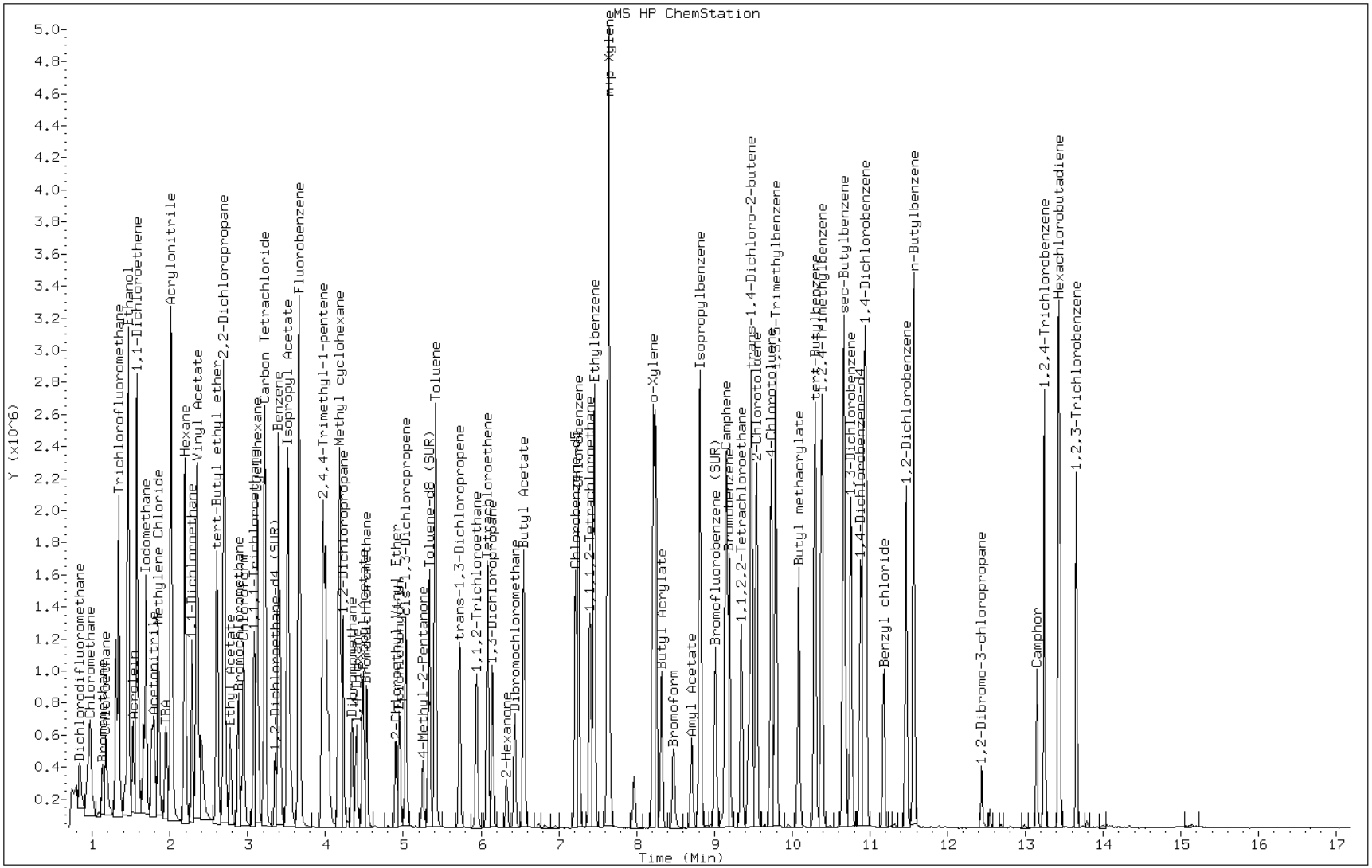
H - Operator selected an alternate compound hit.

Data File: o52399.d

Date: 05-OCT-2011 09:25

Client ID: Instrument: VOAMS12.i

Sample Info: IC-VMCAL4 Operator: VOAMS 9



Data File: /chem/VOAMS12.i/8260L_10/10-05-11/05oct11.b/o52400.d
Report Date: 10-Oct-2011 14:26

TestAmerica

VOLATILE ORGANIC COMPOUND ANALYSIS

Data file : /chem/VOAMS12.i/8260L_10/10-05-11/05oct11.b/o52400.d
Lab Smp Id: IC-VMCAL5
Inj Date : 05-OCT-2011 09:50
Operator : VOAMS 9 Inst ID: VOAMS12.i
Smp Info : IC-VMCAL5
Misc Info :
Comment :
Method : /chem/VOAMS12.i/8260L_10/10-05-11/05oct11.b/8260L_10.m
Meth Date : 10-Oct-2011 14:26 maryb Quant Type: ISTD
Cal Date : 05-OCT-2011 09:50 Cal File: o52400.d
Als bottle: 9 Calibration Sample, Level: 5
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: all.sub
Target Version: 3.50
Processing Host: hpd2

Concentration Formula: Amt * DF * ((Vt/Ws)/((100-M)/100)) * CpndVariable

Name	Value	Description
DF	1.00000	Dilution Factor
Vt	5.00000	Volume of final extract (mL)
Ws	5.00000	Weight of sample extracted (g)
M	0.00000	% Moisture (not decanted)

Cpnd Variable Local Compound Variable

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/L)	AMOUNTS ON-COL (ug/L)
M 14 1,2-Dichloroethene (total)	100				4377384	400.000	430
90 Dichlorodifluoromethane	85	0.837	0.837	(0.229)	2159838	200.000	190
1 Chloromethane	50	0.945	0.938	(0.259)	2401721	200.000	180
4 Vinyl Chloride	62	0.973	0.974	(0.266)	2580397	200.000	190
3 Bromomethane	94	1.131	1.138	(0.310)	1177240	200.000	180
5 Chloroethane	64	1.174	1.174	(0.321)	1782314	200.000	200
9 Trichlorofluoromethane	101	1.303	1.303	(0.357)	3620930	200.000	200
121 n-Pentane	72	1.339	1.339	(0.367)	437037	200.000	210
127 Ethanol	46	1.425	1.411	(0.390)	232681	5000.00	4800
46 Ethyl Ether	59	1.453	1.453	(0.398)	1515559	200.000	200
119 Isoprene	67	1.460	1.461	(0.400)	3349884	200.000	200
47 Acrolein	56	1.525	1.525	(0.418)	560687	500.000	500
10 1,1-Dichloroethene	96	1.575	1.575	(0.431)	1924184	200.000	210
48 Freon TF	101	1.575	1.575	(0.431)	2106497	200.000	210

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Report Date: 10-Oct-2011 14:26

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/L)	ON-COL (ug/L)
	7 Acetone	43	1.611	1.611	(0.441)	448514	200.000	180
	142 Iodomethane	142	1.661	1.654	(0.455)	2884796	200.000	210
	8 Carbon Disulfide	76	1.690	1.690	(0.463)	6657978	200.000	200
	50 Acetonitrile	41	1.769	1.762	(0.484)	3581325	4000.00	3500
	125 Methyl acetate	74	1.797	1.790	(0.492)	345198	200.000	180
	6 Methylene Chloride	84	1.854	1.847	(0.508)	1923607	200.000	210
	51 TBA	59	1.955	1.941	(0.535)	3239575	4000.00	3800
	52 Acrylonitrile	53	2.005	1.998	(0.549)	699411	250.000	260
	12 trans-1,2-Dichloroethene	96	2.012	2.012	(0.551)	2150365	200.000	210
	53 MTBE	73	2.019	2.019	(0.553)	5092866	200.000	200
	54 Hexane	56	2.191	2.191	(0.600)	1982854	200.000	200
	11 1,1-Dichloroethane	63	2.284	2.284	(0.625)	3979889	200.000	210
	57 Vinyl Acetate	43	2.342	2.342	(0.641)	5168818	200.000	200
	55 DIPE	45	2.349	2.342	(0.643)	7206590	200.000	210
	149 tert-Butyl ethyl ether	59	2.607	2.600	(0.714)	6079841	200.000	200
	104 2,2-Dichloropropane	77	2.693	2.693	(0.737)	3556830	200.000	210
	13 cis-1,2-Dichloroethene	96	2.700	2.693	(0.739)	2227019	200.000	210
	18 2-Butanone	72	2.721	2.721	(0.745)	182273	200.000	210
	56 Ethyl Acetate	70	2.779	2.771	(0.761)	256901	400.000	380
	108 Bromochloromethane	128	2.879	2.879	(0.788)	859410	200.000	200
	15 Chloroform	83	2.950	2.951	(0.808)	3315613	200.000	210
	20 1,1,1-Trichloroethane	97	3.087	3.079	(0.845)	3268046	200.000	210
	59 Cyclohexane	56	3.122	3.122	(0.855)	3890375	200.000	200
	21 Carbon Tetrachloride	117	3.223	3.216	(0.882)	2903581	200.000	230
	92 1,1-Dichloropropene	75	3.223	3.223	(0.882)	3096557	200.000	200
$	16 1,2-Dichloroethane-d4 (SUR)	65	3.352	3.352	(0.918)	218026	50.0000	40
	28 Benzene	78	3.402	3.395	(0.931)	8085082	200.000	210
	17 1,2-Dichloroethane	62	3.423	3.416	(0.937)	2222233	200.000	200
	61 Isopropyl Acetate	43	3.516	3.509	(0.963)	7294660	400.000	400
	140 tert-Amylmethyl Ether	73	3.523	3.524	(0.965)	4736540	200.000	200
*	69 Fluorobenzene	96	3.652	3.653	(1.000)	1341164	50.0000	
	156 2,4,4-Trimethyl-1-pentene	112	3.975	3.968	(1.088)	812548	200.000	190
	25 Trichloroethene	95	4.003	4.004	(1.096)	2090590	200.000	210
	63 n-Butanol	43	4.039	4.032	(1.106)	313921	2500.00	2300
	96 Ethyl Acrylate	85	4.168	4.161	(1.141)	84198	200.000	190(H)
	126 Methyl cyclohexane	83	4.182	4.183	(1.145)	4061496	200.000	200
	23 1,2-Dichloropropane	63	4.225	4.226	(1.157)	2043309	200.000	200
	109 Dibromomethane	93	4.340	4.340	(1.188)	951496	200.000	200
	95 1,4-Dioxane	88	4.405	4.390	(1.206)	19872	250.000	240
	146 Methyl methacrylate	69	4.405	4.397	(1.206)	954268	200.000	200
	64 Propyl Acetate	43	4.483	4.476	(1.227)	4126835	400.000	390
	22 Bromodichloromethane	83	4.533	4.526	(1.241)	2460778	200.000	210
	30 2-Chloroethyl Vinyl Ether	63	4.906	4.899	(1.343)	1044271	200.000	200
	118 Epichlorohydrin	57	4.956	4.949	(1.357)	2786499	4000.00	3900
	24 cis-1,3-Dichloropropene	75	5.035	5.035	(1.379)	3052961	200.000	210
	33 4-Methyl-2-Pentanone	43	5.257	5.250	(1.439)	1402108	200.000	200
$	37 Toluene-d8 (SUR)	98	5.336	5.336	(0.720)	850822	50.0000	40

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Report Date: 10-Oct-2011 14:26

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/L)	ON-COL (ug/L)	
38	Toluene	91	5.415	5.415	(0.731)	8858285	200.000	230	
29	trans-1,3-Dichloropropene	75	5.730	5.723	(0.774)	2708822	200.000	200	
27	1,1,2-Trichloroethane	83	5.945	5.945	(0.803)	1170880	200.000	200	
35	Tetrachloroethene	166	6.088	6.081	(0.822)	2560752	200.000	210	
103	1,3-Dichloropropane	76	6.152	6.145	(0.831)	2542769	200.000	200	
34	2-Hexanone	43	6.331	6.324	(0.855)	1018279	200.000	200	
26	Dibromochloromethane	129	6.439	6.432	(0.869)	1806281	200.000	210	
65	Butyl Acetate	43	6.553	6.546	(0.885)	4883305	400.000	400	
66	1,2-Dibromoethane	107	6.553	6.546	(0.885)	1399234	200.000	200	
* 32	Chlorobenzene-d5	117	7.220	7.213	(1.000)	1030138	50.0000	(H)	
39	Chlorobenzene	112	7.255	7.248	(0.980)	5690042	200.000	210	
97	1,1,1,2-Tetrachloroethane	131	7.406	7.399	(1.000)	2036407	200.000	210	
40	Ethylbenzene	106	7.463	7.456	(1.008)	3271150	200.000	210	
43	m+p-Xylene	106	7.649	7.635	(1.033)	8224939	400.000	420	
44	o-Xylene	106	8.222	8.215	(1.110)	3808254	200.000	200	
42	Styrene	104	8.258	8.251	(1.115)	6432604	200.000	210	
147	Butyl Acrylate	55	8.323	8.316	(0.764)	3099697	200.000	190	
31	Bromoform	173	8.480	8.473	(1.145)	1201167	200.000	210	
145	Amyl Acetate	43	8.717	8.710	(1.177)	1608582	200.000	190	
110	Isopropylbenzene	105	8.824	8.817	(1.192)	10480099	200.000	210	
$ 41	Bromofluorobenzene (SUR)	174	9.018	9.018	(0.828)	306669	50.0000	40	
150	Camphene	41	9.161	9.154	(0.841)	1205345	200.000	200	
107	Bromobenzene	156	9.204	9.190	(0.845)	2406131	200.000	210	
36	1,1,2,2-Tetrachloroethane	83	9.347	9.347	(0.859)	1735150	200.000	200	
99	1,2,3-Trichloropropane	110	9.354	9.347	(0.859)	504456	200.000	200	
143	trans-1,4-Dichloro-2-butene	53	9.440	9.433	(2.585)	545686	200.000	190	
112	n-Propylbenzene	91	9.483	9.469	(0.871)	12592763	200.000	210	
105	2-Chlorotoluene	91	9.555	9.541	(0.878)	6835862	200.000	200	
106	4-Chlorotoluene	91	9.741	9.727	(0.895)	7035791	200.000	200	
102	1,3,5-Trimethylbenzene	105	9.798	9.791	(0.900)	8457626	200.000	210	
148	Butyl methacrylate	69	10.092	10.085	(0.927)	2823232	200.000	200	
115	tert-Butylbenzene	119	10.307	10.293	(0.947)	7668760	200.000	210	
100	1,2,4-Trimethylbenzene	105	10.393	10.379	(0.955)	8466861	200.000	210	
114	sec-Butylbenzene	105	10.672	10.665	(0.980)	11753902	200.000	210	
67	1,3-Dichlorobenzene	146	10.765	10.758	(0.989)	4632377	200.000	210	
* 91	1,4-Dichlorobenzene-d4	152	10.887	10.880	(1.000)	518008	50.0000		
68	1,4-Dichlorobenzene	146	10.923	10.916	(1.003)	4635524	200.000	210	
113	p-Isopropyltoluene	119	10.952	10.945	(1.006)	9943717	200.000	220	
69	1,2-Dichlorobenzene	146	11.474	11.467	(1.054)	4110054	200.000	200	
117	Benzyl chloride	91	11.181	11.181	(1.027)	3393137	200.000	190	
111	n-Butylbenzene	91	11.568	11.568	(1.062)	9206631	200.000	220	
101	1,2-Dibromo-3-chloropropane	75	12.434	12.434	(1.142)	307878	200.000	200	
152	Camphor	95	13.151	13.151	(1.208)	819513	1000.00	960	
93	1,2,4-Trichlorobenzene	180	13.244	13.244	(1.216)	3181900	200.000	210	
94	Hexachlorobutadiene	225	13.430	13.430	(1.234)	2464962	200.000	220	
70	Naphthalene	128	13.444	13.444	(1.235)	5392506	200.000	200	
98	1,2,3-Trichlorobenzene	180	13.659	13.659	(1.255)	2657865	200.000	200	

Data File: /chem/VOAMS12.i/8260L_10/10-05-11/05oct11.b/o52400.d
Report Date: 10-Oct-2011 14:26

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/L)	ON-COL (ug/L)
M 45 Xylene (Total)	100				12033193	600.000	630

QC Flag Legend

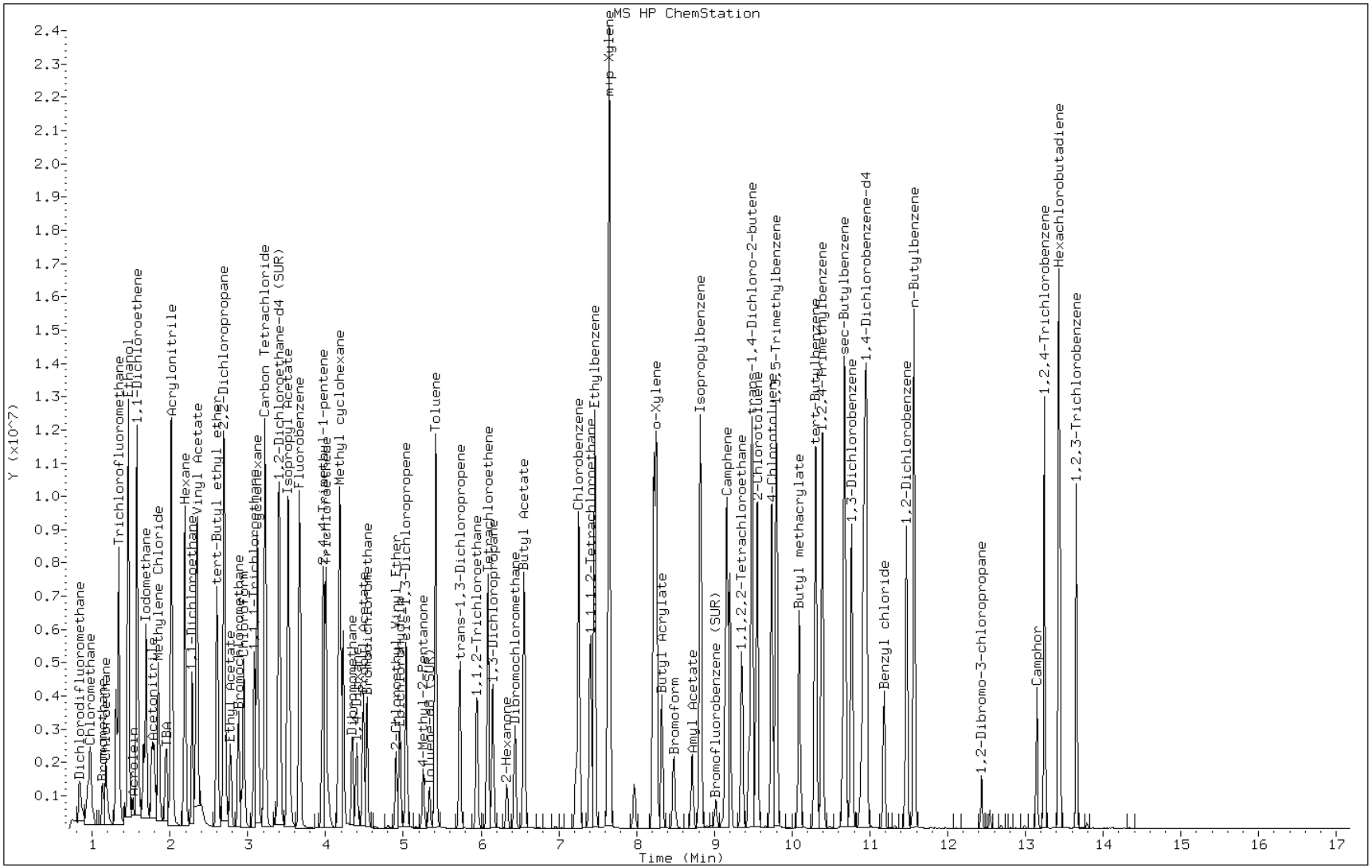
H - Operator selected an alternate compound hit.

Data File: o52400.d

Date: 05-OCT-2011 09:50

Client ID: Instrument: VOAMS12.i

Sample Info: IC-VMCAL5 Operator: VOAMS 9



Data File: /chem/VOAMS12.i/8260L_10/10-05-11/05oct11.b/o52401.d
Report Date: 10-Oct-2011 13:38

TestAmerica

VOLATILE ORGANIC COMPOUND ANALYSIS

Data file : /chem/VOAMS12.i/8260L_10/10-05-11/05oct11.b/o52401.d
Lab Smp Id: IC-VMCAL6
Inj Date : 05-OCT-2011 10:16
Operator : VOAMS 9 Inst ID: VOAMS12.i
Smp Info : IC-VMCAL6
Misc Info :
Comment :
Method : /chem/VOAMS12.i/8260L_10/10-05-11/05oct11.b/8260L_10.m
Meth Date : 10-Oct-2011 13:38 moroneyc Quant Type: ISTD
Cal Date : 05-OCT-2011 10:16 Cal File: o52401.d
Als bottle: 10 Calibration Sample, Level: 6
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: all.sub
Target Version: 3.50
Processing Host: hpd2

Concentration Formula: Amt * DF * ((Vt/Ws)/((100-M)/100)) * CpndVariable

Name	Value	Description
DF	1.00000	Dilution Factor
Vt	5.00000	Volume of final extract (mL)
Ws	5.00000	Weight of sample extracted (g)
M	0.00000	% Moisture (not decanted)

Cpnd Variable Local Compound Variable

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/L)	ON-COL (ug/L)
M 14	1,2-Dichloroethene (total)	100				11028993	1000.00	1000
90	Dichlorodifluoromethane	85	0.837	0.837	(0.229)	5350650	500.000	440
1	Chloromethane	50	0.945	0.938	(0.258)	6057142	500.000	420
4	Vinyl Chloride	62	0.981	0.974	(0.268)	6473679	500.000	450
3	Bromomethane	94	1.131	1.138	(0.309)	2587031	500.000	380(A)
5	Chloroethane	64	1.174	1.174	(0.321)	3884046	500.000	410
9	Trichlorofluoromethane	101	1.303	1.303	(0.356)	9254400	500.000	490
121	n-Pentane	72	1.339	1.339	(0.366)	1094512	500.000	500
127	Ethanol	46	1.453	1.411	(0.397)	337156	6000.00	6600(A)
46	Ethyl Ether	59	1.453	1.453	(0.397)	3960024	500.000	510(A)
119	Isoprene	67	1.460	1.461	(0.399)	8463381	500.000	490
47	Acrolein	56	1.525	1.525	(0.417)	729145	600.000	610
10	1,1-Dichloroethene	96	1.575	1.575	(0.430)	4899765	500.000	500(A)
48	Freon TF	101	1.575	1.575	(0.430)	5315334	500.000	500(A)

Data File: /chem/VOAMS12.i/8260L_10/10-05-11/05oct11.b/o52401.d
Report Date: 10-Oct-2011 13:38

		QUANT SIG					AMOUNTS CAL-AMT	AMOUNTS ON-COL
Compounds		MASS	RT	EXP RT	REL RT	RESPONSE	(ug/L)	(ug/L)
7	Acetone	43	1.611	1.611	(0.440)	2117374	1000.00	810
142	Iodomethane	142	1.661	1.654	(0.454)	7026824	500.000	490
8	Carbon Disulfide	76	1.690	1.690	(0.462)	15551942	500.000	450
50	Acetonitrile	41	1.776	1.762	(0.485)	9728346	10000.0	9100
125	Methyl acetate	74	1.797	1.790	(0.491)	894396	500.000	460
6	Methylene Chloride	84	1.854	1.847	(0.507)	4752325	500.000	500
51	TBA	59	1.962	1.941	(0.536)	9456899	10000.0	10000(A)
52	Acrylonitrile	53	2.012	1.998	(0.550)	1048152	300.000	360
12	trans-1,2-Dichloroethene	96	2.019	2.012	(0.552)	5406869	500.000	510(A)
53	MTBE	73	2.026	2.019	(0.554)	13326109	500.000	510(A)
54	Hexane	56	2.191	2.191	(0.599)	4828193	500.000	460
11	1,1-Dichloroethane	63	2.291	2.284	(0.626)	9862790	500.000	490
57	Vinyl Acetate	43	2.349	2.342	(0.642)	12876499	500.000	480
55	DIPE	45	2.349	2.342	(0.642)	17416415	500.000	480
149	tert-Butyl ethyl ether	59	2.607	2.600	(0.712)	15347187	500.000	480
104	2,2-Dichloropropane	77	2.700	2.693	(0.738)	8866572	500.000	500
13	cis-1,2-Dichloroethene	96	2.700	2.693	(0.738)	5622124	500.000	510(A)
18	2-Butanone	72	2.728	2.721	(0.746)	873486	1000.00	980
56	Ethyl Acetate	70	2.778	2.771	(0.759)	723637	1000.00	1000(A)
108	Bromochloromethane	128	2.886	2.879	(0.789)	2095087	500.000	460
15	Chloroform	83	2.958	2.951	(0.808)	8177465	500.000	480
20	1,1,1-Trichloroethane	97	3.086	3.079	(0.843)	8089024	500.000	480
59	Cyclohexane	56	3.129	3.122	(0.855)	9597128	500.000	470
21	Carbon Tetrachloride	117	3.223	3.216	(0.881)	7463558	500.000	550(A)
92	1,1-Dichloropropene	75	3.230	3.223	(0.883)	7928406	500.000	500
$ 16	1,2-Dichloroethane-d4 (SUR)	65	3.359	3.352	(0.918)	286044	50.0000	50
28	Benzene	78	3.394	3.395	(0.928)	18265065	500.000	450
17	1,2-Dichloroethane	62	3.423	3.416	(0.935)	5613282	500.000	490
61	Isopropyl Acetate	43	3.516	3.509	(0.961)	18663827	1000.00	960
140	tert-Amylmethyl Ether	73	3.531	3.524	(0.965)	12471690	500.000	490
* 69	Fluorobenzene	96	3.660	3.653	(1.000)	1412976	50.0000	
156	2,4,4-Trimethyl-1-pentene	112	3.975	3.968	(1.086)	2236383	500.000	500(A)
25	Trichloroethene	95	4.011	4.004	(1.096)	5315580	500.000	500(A)
63	n-Butanol	43	4.182	4.032	(1.143)	910123	3000.00	6400(A)
96	Ethyl Acrylate	85	4.175	4.161	(1.141)	224526	500.000	480(H)
126	Methyl cyclohexane	83	4.190	4.183	(1.145)	10087061	500.000	480
23	1,2-Dichloropropane	63	4.233	4.226	(1.157)	5015610	500.000	480
109	Dibromomethane	93	4.347	4.340	(1.188)	2337395	500.000	470
95	1,4-Dioxane	88	4.404	4.390	(1.204)	26625	300.000	300(A)
146	Methyl methacrylate	69	4.404	4.397	(1.204)	2438319	500.000	500
64	Propyl Acetate	43	4.490	4.476	(1.227)	10760471	1000.00	960(A)
22	Bromodichloromethane	83	4.541	4.526	(1.241)	6073560	500.000	490
30	2-Chloroethyl Vinyl Ether	63	4.913	4.899	(1.343)	2598386	500.000	470
118	Epichlorohydrin	57	4.970	4.949	(1.358)	7182031	10000.0	9600
24	cis-1,3-Dichloropropene	75	5.042	5.035	(1.378)	7447730	500.000	480
33	4-Methyl-2-Pentanone	43	5.264	5.250	(1.438)	7291426	1000.00	1000(A)
$ 37	Toluene-d8 (SUR)	98	5.343	5.336	(0.721)	1108949	50.0000	52

Data File: /chem/VOAMS12.i/8260L_10/10-05-11/05oct11.b/o52401.d
Report Date: 10-Oct-2011 13:38

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/L)	ON-COL (ug/L)
38	Toluene	91	5.414	5.415	(0.730)	18914049	500.000	490
29	trans-1,3-Dichloropropene	75	5.737	5.723	(0.774)	6563077	500.000	500
27	1,1,2-Trichloroethane	83	5.952	5.945	(0.803)	2858968	500.000	490
35	Tetrachloroethene	166	6.095	6.081	(0.822)	6204505	500.000	500
103	1,3-Dichloropropane	76	6.159	6.145	(0.831)	6193557	500.000	490
34	2-Hexanone	43	6.338	6.324	(0.855)	5167117	1000.00	1000(A)
26	Dibromochloromethane	129	6.446	6.432	(0.870)	4443023	500.000	520(A)
65	Butyl Acetate	43	6.561	6.546	(0.885)	12672002	1000.00	1000(A)
66	1,2-Dibromoethane	107	6.561	6.546	(0.885)	3495182	500.000	510(A)
* 32	Chlorobenzene-d5	117	7.220	7.213	(1.000)	1030506	50.0000	(H)
39	Chlorobenzene	112	7.263	7.248	(0.980)	13519746	500.000	490
97	1,1,1,2-Tetrachloroethane	131	7.413	7.399	(1.000)	4883752	500.000	500(A)
40	Ethylbenzene	106	7.470	7.456	(1.008)	7841189	500.000	500
43	m+p-Xylene	106	7.656	7.635	(1.033)	19403116	1000.00	1000(A)
44	o-Xylene	106	8.230	8.215	(1.110)	9099275	500.000	490
42	Styrene	104	8.265	8.251	(1.115)	15448327	500.000	500
147	Butyl Acrylate	55	8.330	8.316	(0.765)	7535377	500.000	480
31	Bromoform	173	8.487	8.473	(1.145)	2910788	500.000	520(A)
145	Amyl Acetate	43	8.724	8.710	(1.177)	3810207	500.000	460
110	Isopropylbenzene	105	8.824	8.817	(1.190)	21221961	500.000	430
$ 41	Bromofluorobenzene (SUR)	174	9.025	9.018	(0.828)	400744	50.0000	53
150	Camphene	41	9.168	9.154	(0.842)	2789837	500.000	480
107	Bromobenzene	156	9.211	9.190	(0.845)	5616653	500.000	500
36	1,1,2,2-Tetrachloroethane	83	9.361	9.347	(0.859)	4184777	500.000	480
99	1,2,3-Trichloropropane	110	9.368	9.347	(0.860)	1210111	500.000	500
143	trans-1,4-Dichloro-2-butene	53	9.454	9.433	(2.583)	1306482	500.000	440
112	n-Propylbenzene	91	9.562	9.469	(0.878)	15894141	500.000	270
105	2-Chlorotoluene	91	9.562	9.541	(0.878)	15894141	500.000	490
106	4-Chlorotoluene	91	9.748	9.727	(0.895)	15976662	500.000	480
102	1,3,5-Trimethylbenzene	105	9.805	9.791	(0.900)	18666207	500.000	480
148	Butyl methacrylate	69	10.106	10.085	(0.928)	6599495	500.000	480
115	tert-Butylbenzene	119	10.314	10.293	(0.947)	17573062	500.000	490
100	1,2,4-Trimethylbenzene	105	10.400	10.379	(0.955)	18415636	500.000	460
114	sec-Butylbenzene	105	10.400	10.665	(0.955)	18415636	500.000	340
67	1,3-Dichlorobenzene	146	10.780	10.758	(0.989)	10505703	500.000	480
* 91	1,4-Dichlorobenzene-d4	152	10.894	10.880	(1.000)	505479	50.0000	
68	1,4-Dichlorobenzene	146	10.937	10.916	(1.004)	10691720	500.000	490
113	p-Isopropyltoluene	119	10.959	10.945	(1.006)	20892901	500.000	470
69	1,2-Dichlorobenzene	146	11.482	11.467	(1.054)	9445165	500.000	480
117	Benzyl chloride	91	11.188	11.181	(1.027)	7943772	500.000	460
111	n-Butylbenzene	91	11.568	11.568	(1.062)	17729429	500.000	430
101	1,2-Dibromo-3-chloropropane	75	12.441	12.434	(1.142)	740733	500.000	500
152	Camphor	95	13.151	13.151	(1.207)	2003875	2500.00	2400
93	1,2,4-Trichlorobenzene	180	13.251	13.244	(1.216)	7159022	500.000	480
94	Hexachlorobutadiene	225	13.430	13.430	(1.233)	5286135	500.000	480
70	Naphthalene	128	13.444	13.444	(1.234)	11812952	500.000	460
98	1,2,3-Trichlorobenzene	180	13.659	13.659	(1.254)	5971691	500.000	460

Data File: /chem/VOAMS12.i/8260L_10/10-05-11/05oct11.b/o52401.d
Report Date: 10-Oct-2011 13:38

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/L)	ON-COL (ug/L)
M 45 Xylene (Total)	100				28502391	1500.00	1500

QC Flag Legend

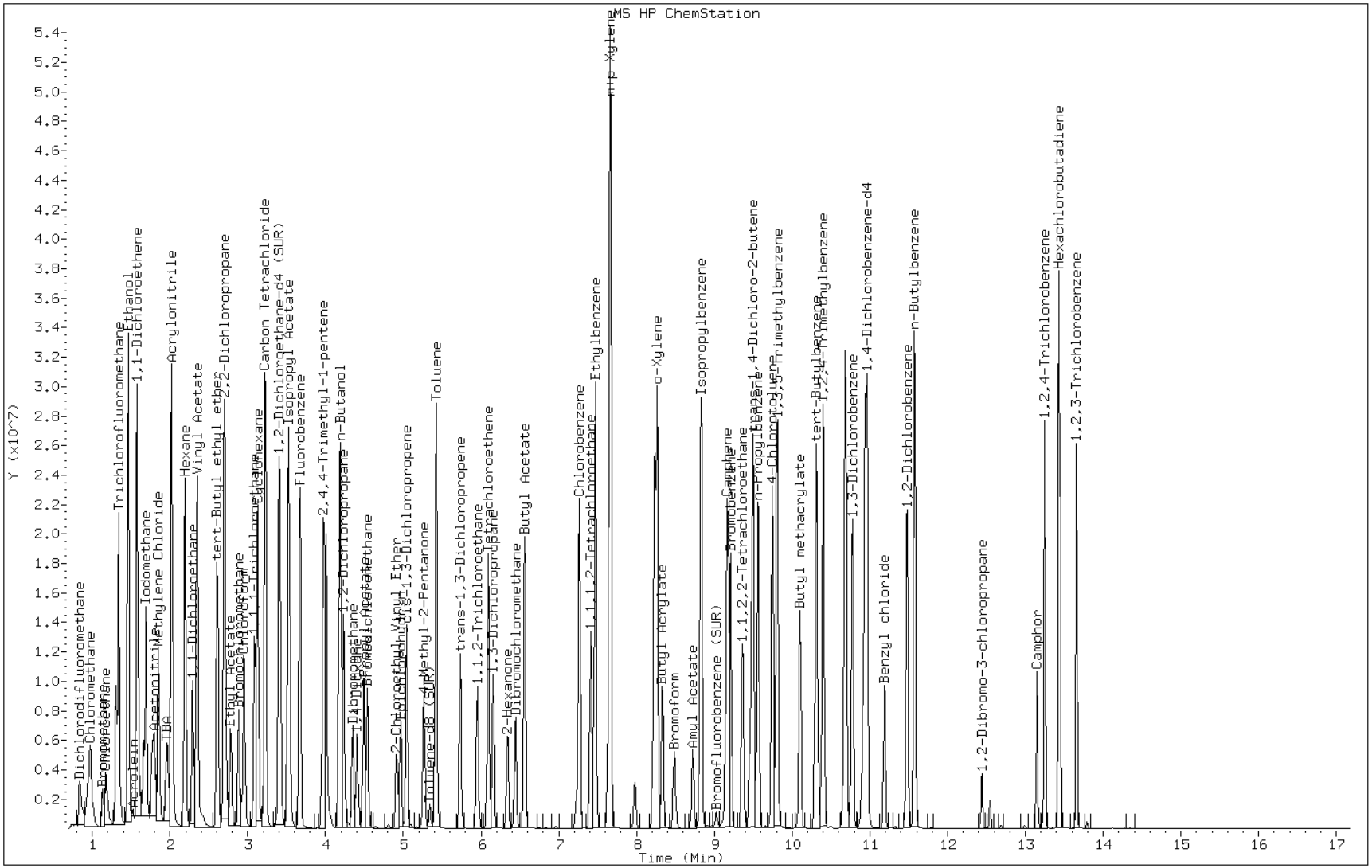
A - Target compound detected but, quantitated amount exceeded maximum amount.
H - Operator selected an alternate compound hit.

Data File: o52401.d

Date: 05-OCT-2011 10:16

Client ID: Instrument: VOAMS12.i

Sample Info: IC-VMCAL6 Operator: VOAMS 9



FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Edison Job No.: 510-70378-1

SDG No.: 0058-373-01

Lab Sample ID: CCVIS 460-88716/2 Calibration Date: 10/07/2011 03:53

Instrument ID: VOAMS12 Calib Start Date: 10/05/2011 06:28

GC Column: DB-624 ID: 0.18(mm) Calib End Date: 10/05/2011 10:16

Lab File ID: o52472.d Conc. Units: ug/L Heated Purge: (Y/N) Y

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Dichlorodifluoromethane	Ave	0.4315	0.4747		22.0	20.0	10.0	50.0
Chloromethane	Ave	0.5099	0.5816	0.1000	22.8	20.0	14.1	50.0
Vinyl chloride	Ave	0.5060	0.5564		22.0	20.0	10.0	20.0
Bromomethane	Ave	0.2435	0.3170		26.0	20.0	30.2	50.0
Chloroethane	Ave	0.3322	0.3761		22.6	20.0	13.2	50.0
Trichlorofluoromethane	Ave	0.6694	0.6973		20.8	20.0	4.2	50.0
n-Pentane	LinF	0.0893	0.0796		20.4	20.0	1.9	50.0
Ethanol	Ave	0.0018	0.0017		2830	3000	-5.6	50.0
Ethyl ether	Ave	0.2764	0.2691		19.5	20.0	-2.6	50.0
Isopropene	Ave	0.6074	0.6026		19.8	20.0	-0.8	50.0
Acrolein	Ave	0.0422	0.0407		289	300	-3.7	99.0
1,1-Dichlorethylene	Ave	0.3428	0.3575		20.9	20.0	4.3	20.0
Freon TF	Ave	0.3721	0.3787		20.4	20.0	1.8	50.0
Acetone	Ave	0.0920	0.1060		23.0	20.0	15.2	50.0
Iodomethane	Ave	0.5035	0.5122		20.3	20.0	1.7	50.0
Carbon disulfide	Ave	1.225	1.179		19.2	20.0	-3.8	50.0
Acetonitrile	Ave	0.0378	0.0322		341	400	-14.8	50.0
Methyl acetate	Ave	0.0694	0.0627		18.1	20.0	-9.6	50.0
Methylene Chloride	LinF	0.3785	0.3674		21.6	20.0	8.2	50.0
TBA	Ave	0.0321	0.0285		355	400	-11.1	50.0
Acrylonitrile	Ave	0.1014	0.0962		142	150	-5.2	50.0
trans-1,2-Dichloroethylene	Ave	0.3766	0.3831		20.3	20.0	1.7	50.0
Methyl tert-butyl ether	Ave	0.9296	0.8627		18.6	20.0	-7.2	50.0
n-Hexane	Ave	0.3702	0.3572		19.3	20.0	-3.5	50.0
1,1-Dichloroethane	Ave	0.7140	0.7208	0.1000	20.2	20.0	1.0	50.0
DIPE	Ave	1.295	1.271		19.6	20.0	-1.8	50.0
Vinyl acetate	Ave	0.9433	0.8402		17.8	20.0	-10.9	50.0
Tert-butyl ethyl ether	Ave	1.119	1.043	0.0100	18.6	20.0	-6.9	50.0
2,2-Dichloropropane	LinF	0.6782	0.6568		20.8	20.0	3.8	50.0
cis-1,2-Dichloroethylene	Ave	0.3881	0.3840		19.8	20.0	-1.1	50.0
Methyl ethyl ketone (MEK)	Ave	0.0317	0.0321		20.2	20.0	1.1	50.0
Ethyl acetate	LinF	0.0287	0.0238		37.5	40.0	-6.2	50.0
Bromochloromethane	Ave	0.1595	0.1487		18.6	20.0	-6.8	50.0
Chloroform	Ave	0.5986	0.5806		19.4	20.0	-3.0	20.0
1,1,1-Trichloroethane	Ave	0.5906	0.5641		19.1	20.0	-4.5	50.0
Cyclohexane	Ave	0.7202	0.6767		18.8	20.0	-6.0	50.0
Carbon tetrachloride	Ave	0.4788	0.4348		18.2	20.0	-9.2	50.0
1,1-Dichloropropene	Ave	0.5637	0.5387		19.1	20.0	-4.4	50.0
Benzene	Ave	1.437	1.406		19.6	20.0	-2.2	50.0
1,2-Dichloroethane	Ave	0.4028	0.3802		18.9	20.0	-5.6	50.0
Isopropyl acetate	Ave	0.6866	0.5982		34.9	40.0	-12.9	50.0

FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Edison Job No.: 510-70378-1

SDG No.: 0058-373-01

Lab Sample ID: CCVIS 460-88716/2 Calibration Date: 10/07/2011 03:53

Instrument ID: VOAMS12 Calib Start Date: 10/05/2011 06:28

GC Column: DB-624 ID: 0.18(mm) Calib End Date: 10/05/2011 10:16

Lab File ID: o52472.d Conc. Units: ug/L Heated Purge: (Y/N) Y

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Tert-amyl methyl ether	Ave	0.8956	0.7934		17.7	20.0	-11.4	50.0
2,4,4-Trimethyl-1-pentene	LinF	0.1601	0.1434		18.2	20.0	-8.9	50.0
Trichloroethene	Ave	0.3747	0.3573		19.1	20.0	-4.7	50.0
n-Butanol	Ave	0.0051	0.0044		1290	1500	-14.0	50.0
Methylcyclohexane	Ave	0.7357	0.6718		18.3	20.0	-8.7	50.0
1,2-Dichloropropane	Ave	0.3702	0.3469		18.7	20.0	-6.3	20.0
Dibromomethane	Ave	0.1774	0.1598		18.0	20.0	-9.9	50.0
1,4-Dioxane	Ave	0.0031	0.0030		143	150	-4.4	50.0
Methyl methacrylate	LinF	0.1919	0.1587		18.3	20.0	-8.4	50.0
Propyl acetate	Ave	0.3950	0.3337		33.8	40.0	-15.5	50.0
Bromodichloromethane	Ave	0.4363	0.3873		17.7	20.0	-11.3	50.0
2-Chloroethyl vinyl ether	Ave	0.1954	0.1691		17.3	20.0	-13.5	50.0
Epichlorohydrin	Ave	0.0266	0.0227		342	400	-14.6	50.0
cis-1,3-Dichloropropene	Ave	0.5432	0.5068		18.7	20.0	-6.7	50.0
4-Methyl-2-pentanone (MIBK)	Ave	0.2545	0.2228		17.5	20.0	-12.5	50.0
Toluene	LinF	2.162	1.972		20.9	20.0	4.5	20.0
trans-1,3-Dichloropropene	Ave	0.6423	0.5512		17.2	20.0	-14.2	50.0
1,1,2-Trichloroethane	Ave	0.2842	0.2610		18.4	20.0	-8.2	50.0
Tetrachloroethylene	Ave	0.6022	0.5527		18.4	20.0	-8.2	50.0
1,3-Dichloropropane	Ave	0.6092	0.5550		18.2	20.0	-8.9	50.0
Methyl Butyl Ketone (2-Hexanone)	Ave	0.2444	0.2008		16.4	20.0	-17.8	50.0
Chlorodibromomethane	Ave	0.4169	0.3352		16.1	20.0	-19.6	50.0
1,2-Dibromoethane	Ave	0.3341	0.2958		17.7	20.0	-11.5	50.0
Butyl acetate	Ave	0.5914	0.4969		33.6	40.0	-16.0	50.0
Chlorobenzene	Ave	1.329	1.224	0.3000	18.4	20.0	-8.0	50.0
1,1,1,2-Tetrachloroethane	Ave	0.4709	0.4044		17.2	20.0	-14.1	50.0
Ethylbenzene	Ave	0.7643	0.6909		18.1	20.0	-9.6	20.0
m&p-Xylene	Ave	0.9393	0.8294		35.3	40.0	-11.7	50.0
o-Xylene	Ave	0.8995	0.8039		17.9	20.0	-10.6	50.0
Styrene	Ave	1.501	1.338		17.8	20.0	-10.8	50.0
Butyl acrylate	Ave	1.550	1.311		16.9	20.0	-15.5	50.0
Bromoform	Ave	0.2716	0.1932	0.1000	14.2	20.0	-28.9	50.0
Amly acetate	Ave	0.4056	0.3288		16.2	20.0	-18.9	50.0
Isopropylbenzene	Ave	2.370	2.243		18.9	20.0	-5.3	50.0
Camphene, Total	Ave	0.5749	0.5211		18.1	20.0	-9.4	50.0
Monobromobenzene	Ave	1.118	1.038		18.6	20.0	-7.1	50.0
1,1,2,2-Tetrachloroethane	Ave	0.8537	0.7509	0.3000	17.6	20.0	-12.0	50.0
1,2,3-Trichloropropane	LinF	0.2669	0.2173		18.1	20.0	-9.4	50.0
trans-1,4-Dichloro-2-butene	Ave	0.1051	0.0912		17.4	20.0	-13.2	50.0
n-Propylbenzene	Ave	5.868	5.445		18.6	20.0	-7.2	50.0

FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Edison Job No.: 510-70378-1

SDG No.: 0058-373-01

Lab Sample ID: CCVIS 460-88716/2 Calibration Date: 10/07/2011 03:53

Instrument ID: VOAMS12 Calib Start Date: 10/05/2011 06:28

GC Column: DB-624 ID: 0.18(mm) Calib End Date: 10/05/2011 10:16

Lab File ID: o52472.d Conc. Units: ug/L Heated Purge: (Y/N) Y

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
2-Chlorotoluene	Ave	3.230	3.034		18.8	20.0	-6.1	50.0
4-Chlorotoluene	Ave	3.306	3.050		18.5	20.0	-7.7	50.0
1,3,5-Trimethylbenzene	Ave	3.868	3.616		18.7	20.0	-6.5	50.0
Butyl Methacrylate	Ave	1.359	1.167		17.2	20.0	-14.1	50.0
tert-Butylbenzene	Ave	3.559	3.300		18.5	20.0	-7.3	50.0
1,2,4-Trimethylbenzene	Ave	3.926	3.566		18.2	20.0	-9.2	50.0
sec-Butylbenzene	Ave	5.357	4.992		18.6	20.0	-6.8	50.0
1,3-Dichlorobenzene	Ave	2.161	1.953		18.1	20.0	-9.6	50.0
1,4-Dichlorobenzene	Ave	2.148	1.931		18.0	20.0	-10.1	50.0
p-Isopropyltoluene	Ave	4.410	4.066		18.4	20.0	-7.8	50.0
Benzyl chloride	Ave	1.722	1.359		15.8	20.0	-21.1	50.0
1,2-Dichlorobenzene	Ave	1.928	1.725		17.9	20.0	-10.5	50.0
n-Butylbenzene	Ave	4.116	3.949		19.2	20.0	-4.1	50.0
1,2-Dibromo-3-Chloropropane	LinF	0.1606	0.1168		15.9	20.0	-20.4	50.0
Camphor	Ave	0.0828	0.0634		76.6	100	-23.4	50.0
1,2,4-Trichlorobenzene	Ave	1.479	1.258		17.0	20.0	-15.0	50.0
Hexachlorobutadiene	Ave	1.080	0.9154		17.0	20.0	-15.2	50.0
Naphthalene	Ave	2.557	2.093		16.4	20.0	-18.2	50.0
1,2,3-Trichlorobenzene	Ave	1.269	1.001		15.8	20.0	-21.1	50.0
1,2-Dichloroethane-d4 (Surr)	Ave	0.2031	0.2379		58.6	50.0	17.1	50.0
Toluene-d8 (Surr)	Ave	1.026	1.141		55.6	50.0	11.2	50.0
Bromofluorobenzene	Ave	0.7482	0.8220		54.9	50.0	9.9	50.0

Data File: /chem/VOAMS12.i/8260L_10/10-05-11/07oct11.b/o52472.d
Report Date: 07-Oct-2011 04:12

TestAmerica

VOLATILE ORGANIC COMPOUND ANALYSIS

Data file : /chem/VOAMS12.i/8260L_10/10-05-11/07oct11.b/o52472.d
Lab Smp Id: CCVIS
Inj Date : 07-OCT-2011 03:53
Operator : VOAMS 9 Inst ID: VOAMS12.i
Smp Info : CCVIS
Misc Info :
Comment :
Method : /chem/VOAMS12.i/8260L_10/10-05-11/07oct11.b/8260L_10.m
Meth Date : 07-Oct-2011 04:11 audberto Quant Type: ISTD
Cal Date : 05-OCT-2011 10:16 Cal File: o52401.d
Als bottle: 1 Continuing Calibration Sample
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: all.sub
Target Version: 3.50
Processing Host: hpd2

Concentration Formula: Amt * DF * ((Vt/Ws)/((100-M)/100)) * CpndVariable

Name	Value	Description
DF	1.00000	Dilution Factor
Vt	5.00000	Volume of final extract (mL)
Ws	5.00000	Weight of sample extracted (g)
M	0.00000	% Moisture (not decanted)

Cpnd Variable Local Compound Variable

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/L)	ON-COL (ug/L)
M 14 1,2-Dichloroethene (total)	100				372983	40.0000	40
90 Dichlorodifluoromethane	85	0.837	0.837	(0.229)	230799	20.0000	22
1 Chloromethane	50	0.938	0.938	(0.257)	282761	20.0000	23
4 Vinyl Chloride	62	0.973	0.973	(0.266)	270512	20.0000	22
3 Bromomethane	94	1.131	1.131	(0.310)	154140	20.0000	26
5 Chloroethane	64	1.174	1.174	(0.321)	182863	20.0000	23
9 Trichlorofluoromethane	101	1.303	1.303	(0.357)	339019	20.0000	21
121 n-Pentane	72	1.339	1.339	(0.367)	38686	20.0000	20
127 Ethanol	46	1.410	1.410	(0.386)	123657	3000.00	2800
46 Ethyl Ether	59	1.453	1.453	(0.398)	130853	20.0000	19
119 Isoprene	67	1.460	1.460	(0.400)	292987	20.0000	20
47 Acrolein	56	1.518	1.518	(0.416)	296559	300.000	290
10 1,1-Dichloroethene	96	1.575	1.575	(0.431)	173818	20.0000	21
48 Freon TF	101	1.575	1.575	(0.431)	184151	20.0000	20

Data File: /chem/VOAMS12.i/8260L_10/10-05-11/07oct11.b/o52472.d
Report Date: 07-Oct-2011 04:12

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/L)	ON-COL (ug/L)
7	Acetone	43	1.611	1.611	(0.441)	51538	20.0000	23
142	Iodomethane	142	1.661	1.661	(0.455)	249060	20.0000	20
8	Carbon Disulfide	76	1.690	1.690	(0.463)	573324	20.0000	19
50	Acetonitrile	41	1.761	1.761	(0.482)	313111	400.000	340
125	Methyl acetate	74	1.790	1.790	(0.490)	30502	20.0000	18
6	Methylene Chloride	84	1.847	1.847	(0.506)	178619	20.0000	22
51	TBA	59	1.933	1.933	(0.529)	277165	400.000	360
52	Acrylonitrile	53	1.998	1.998	(0.547)	350653	150.000	140
12	trans-1,2-Dichloroethene	96	2.012	2.012	(0.551)	186281	20.0000	20
53	MTBE	73	2.019	2.019	(0.553)	419456	20.0000	18
54	Hexane	56	2.191	2.191	(0.600)	173670	20.0000	19
11	1,1-Dichloroethane	63	2.284	2.284	(0.625)	350483	20.0000	20
57	Vinyl Acetate	43	2.342	2.342	(0.641)	408539	20.0000	18
55	DIPE	45	2.342	2.342	(0.641)	618206	20.0000	20
149	tert-Butyl ethyl ether	59	2.599	2.599	(0.712)	506937	20.0000	19
104	2,2-Dichloropropane	77	2.692	2.692	(0.737)	319328	20.0000	21
13	cis-1,2-Dichloroethene	96	2.692	2.692	(0.737)	186702	20.0000	20
18	2-Butanone	72	2.714	2.714	(0.743)	15581	20.0000	20
56	Ethyl Acetate	70	2.771	2.771	(0.759)	23125	40.0000	38
108	Bromochloromethane	128	2.879	2.879	(0.788)	72291	20.0000	19
15	Chloroform	83	2.943	2.943	(0.806)	282312	20.0000	19
20	1,1,1-Trichloroethane	97	3.079	3.079	(0.843)	274296	20.0000	19
59	Cyclohexane	56	3.122	3.122	(0.855)	329013	20.0000	19
21	Carbon Tetrachloride	117	3.215	3.215	(0.880)	211429	20.0000	18
92	1,1-Dichloropropene	75	3.223	3.223	(0.882)	261910	20.0000	19
$ 16	1,2-Dichloroethane-d4 (SUR)	65	3.352	3.352	(0.918)	289175	50.0000	58
28	Benzene	78	3.394	3.394	(0.929)	683453	20.0000	20
17	1,2-Dichloroethane	62	3.416	3.416	(0.935)	184865	20.0000	19
61	Isopropyl Acetate	43	3.509	3.509	(0.961)	581742	40.0000	35
140	tert-Amylmethyl Ether	73	3.523	3.523	(0.965)	385759	20.0000	18
* 69	Fluorobenzene	96	3.652	3.652	(1.000)	1215544	50.0000	
156	2,4,4-Trimethyl-1-pentene	112	3.968	3.968	(1.086)	69724	20.0000	18
25	Trichloroethene	95	4.003	4.003	(1.096)	173699	20.0000	19
63	n-Butanol	43	4.032	4.032	(1.104)	158486	1500.00	1300
126	Methyl cyclohexane	83	4.182	4.182	(1.145)	326630	20.0000	18
23	1,2-Dichloropropane	63	4.225	4.225	(1.157)	168674	20.0000	19
109	Dibromomethane	93	4.340	4.340	(1.188)	77710	20.0000	18
95	1,4-Dioxane	88	4.390	4.390	(1.202)	10916	150.000	140
146	Methyl methacrylate	69	4.397	4.397	(1.204)	77163	20.0000	18
64	Propyl Acetate	43	4.476	4.476	(1.226)	324501	40.0000	34
22	Bromodichloromethane	83	4.526	4.526	(1.239)	188286	20.0000	18
30	2-Chloroethyl Vinyl Ether	63	4.899	4.899	(1.341)	82229	20.0000	17
118	Epichlorohydrin	57	4.949	4.949	(1.355)	220505	400.000	340
24	cis-1,3-Dichloropropene	75	5.035	5.035	(1.379)	246404	20.0000	19
33	4-Methyl-2-Pentanone	43	5.250	5.250	(1.437)	108309	20.0000	18
$ 37	Toluene-d8 (SUR)	98	5.336	5.336	(0.740)	1068078	50.0000	56
38	Toluene	91	5.414	5.414	(0.751)	738269	20.0000	21

Data File: /chem/VOAMS12.i/8260L_10/10-05-11/07oct11.b/o52472.d
Report Date: 07-Oct-2011 04:12

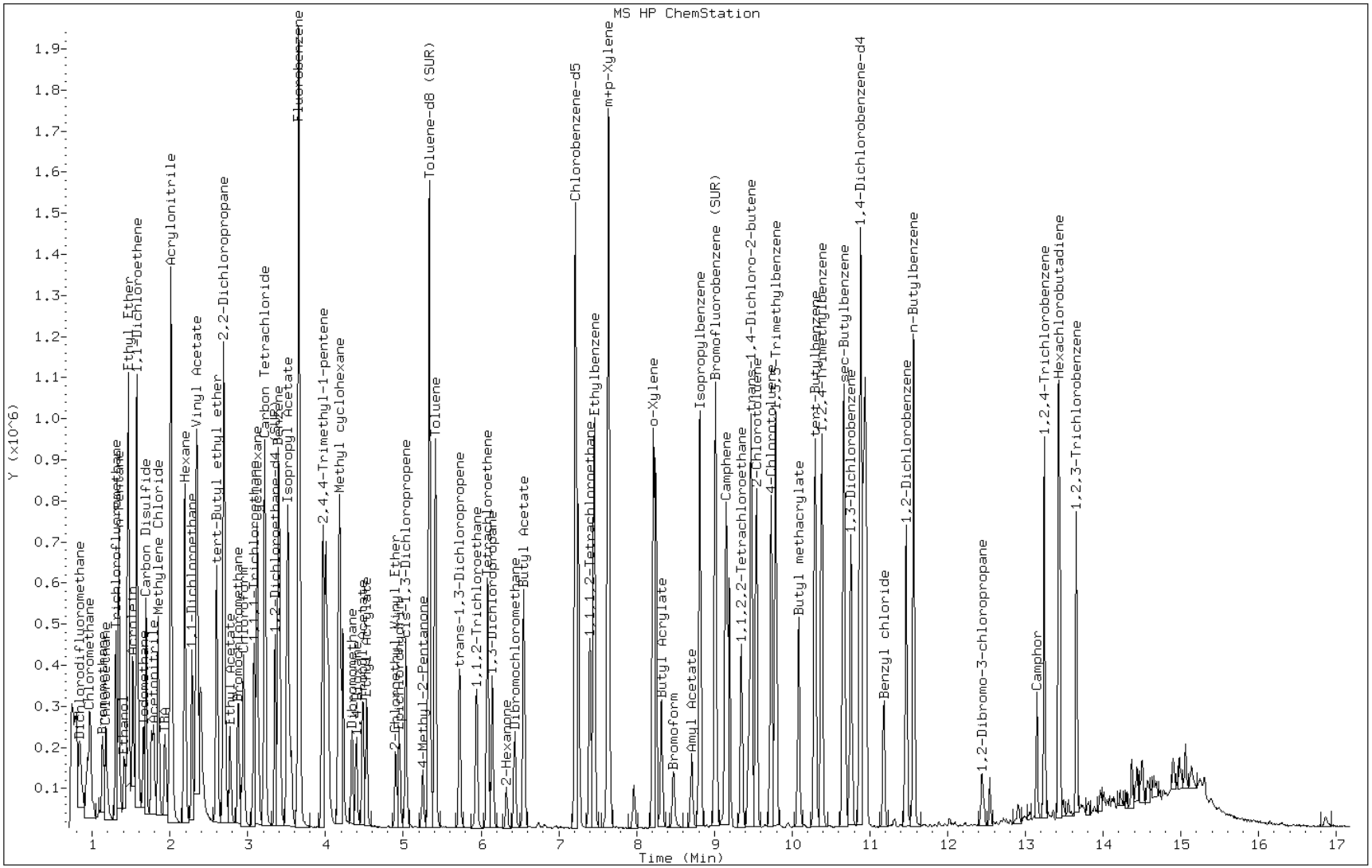
	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/L)	ON-COL (ug/L)
	29 trans-1,3-Dichloropropene	75	5.722	5.722	(0.793)	206321	20.0000	17
	27 1,1,2-Trichloroethane	83	5.945	5.945	(0.824)	97704	20.0000	18
	35 Tetrachloroethene	166	6.081	6.081	(0.843)	206875	20.0000	18
	103 1,3-Dichloropropane	76	6.145	6.145	(0.852)	207735	20.0000	18
	34 2-Hexanone	43	6.324	6.324	(0.877)	75155	20.0000	16
	26 Dibromochloromethane	129	6.432	6.432	(0.892)	125455	20.0000	16
	65 Butyl Acetate	43	6.546	6.546	(0.908)	371962	40.0000	34
	66 1,2-Dibromoethane	107	6.546	6.546	(0.908)	110723	20.0000	18
*	32 Chlorobenzene-d5	117	7.212	7.212	(1.000)	935790	50.0000	
	39 Chlorobenzene	112	7.255	7.255	(1.006)	458071	20.0000	18
	97 1,1,1,2-Tetrachloroethane	131	7.399	7.399	(1.026)	151386	20.0000	17
	40 Ethylbenzene	106	7.456	7.456	(1.034)	258612	20.0000	18
	43 m+p-Xylene	106	7.635	7.635	(1.059)	620919	40.0000	35
	44 o-Xylene	106	8.215	8.215	(1.139)	300920	20.0000	18
	42 Styrene	104	8.244	8.244	(1.143)	500846	20.0000	18
	147 Butyl Acrylate	55	8.323	8.323	(0.765)	243852	20.0000	17
	31 Bromoform	173	8.473	8.473	(1.175)	72312	20.0000	14
	145 Amyl Acetate	43	8.709	8.709	(1.208)	123082	20.0000	16
	110 Isopropylbenzene	105	8.817	8.817	(1.222)	839705	20.0000	19
$	41 Bromofluorobenzene (SUR)	174	9.017	9.017	(0.829)	382378	50.0000	55
	150 Camphene	41	9.146	9.146	(0.841)	96962	20.0000	18
	107 Bromobenzene	156	9.197	9.197	(0.845)	193155	20.0000	18
	36 1,1,2,2-Tetrachloroethane	83	9.347	9.347	(0.859)	139715	20.0000	18
	99 1,2,3-Trichloropropane	110	9.354	9.354	(0.860)	40439	20.0000	18
	143 trans-1,4-Dichloro-2-butene	53	9.433	9.433	(2.583)	44329	20.0000	17
	112 n-Propylbenzene	91	9.469	9.469	(0.870)	1013033	20.0000	18
	105 2-Chlorotoluene	91	9.540	9.540	(0.877)	564538	20.0000	19
	106 4-Chlorotoluene	91	9.727	9.727	(0.894)	567526	20.0000	18
	102 1,3,5-Trimethylbenzene	105	9.791	9.791	(0.900)	672722	20.0000	19
	148 Butyl methacrylate	69	10.085	10.085	(0.927)	217139	20.0000	17
	115 tert-Butylbenzene	119	10.300	10.300	(0.947)	614006	20.0000	18
	100 1,2,4-Trimethylbenzene	105	10.378	10.378	(0.954)	663492	20.0000	18
	114 sec-Butylbenzene	105	10.665	10.665	(0.980)	928792	20.0000	19
	67 1,3-Dichlorobenzene	146	10.758	10.758	(0.989)	363300	20.0000	18
*	91 1,4-Dichlorobenzene-d4	152	10.880	10.880	(1.000)	465161	50.0000	
	68 1,4-Dichlorobenzene	146	10.916	10.916	(1.003)	359362	20.0000	18
	113 p-Isopropyltoluene	119	10.944	10.944	(1.006)	756477	20.0000	18
	69 1,2-Dichlorobenzene	146	11.467	11.467	(1.054)	321045	20.0000	18
	117 Benzyl chloride	91	11.181	11.181	(1.028)	252851	20.0000	16
	111 n-Butylbenzene	91	11.560	11.560	(1.063)	734710	20.0000	19
	101 1,2-Dibromo-3-chloropropane	75	12.434	12.434	(1.143)	21737	20.0000	16
	152 Camphor	95	13.151	13.151	(1.209)	58997	100.000	77
	93 1,2,4-Trichlorobenzene	180	13.244	13.244	(1.217)	234004	20.0000	17
	94 Hexachlorobutadiene	225	13.430	13.430	(1.234)	170331	20.0000	17
	70 Naphthalene	128	13.444	13.444	(1.236)	389407	20.0000	16
	98 1,2,3-Trichlorobenzene	180	13.659	13.659	(1.255)	186159	20.0000	16
M	45 Xylene (Total)	100				921840	60.0000	53

Data File: o52472.d

Date: 07-OCT-2011 03:53

Client ID: Instrument: VOAMS12.i

Sample Info: CCVIS Operator: VOAMS 9



Data File: /chem/VOAMS12.i/8260L_10/10-05-11/05oct11.b/o52391.d
Report Date: 05-Oct-2011 08:26

TestAmerica

Data file : /chem/VOAMS12.i/8260L_10/10-05-11/05oct11.b/o52391.d
Lab Smp Id: BFB
Inj Date : 05-OCT-2011 05:53
Operator : VOAMS 1 Inst ID: VOAMS12.i
Smp Info : BFB
Misc Info :
Comment :
Method : /chem/VOAMS12.i/8260L_10/10-05-11/05oct11.b/VOABFB.m
Meth Date : 08-Sep-2011 08:03 desais Quant Type: ISTD
Cal Date : Cal File:
Als bottle: 2 QC Sample: BFB
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: all.sub
Target Version: 3.50 Sample Matrix: WATER
Processing Host: hpd2

Concentration Formula: Amt * DF * Uf * Vf * VI * CpndVariable

Name	Value	Description
DF	1.00000	Dilution Factor
Uf	1.00000	ng unit correction factor
Vf	1.00000	Volumetric correction factor
VI	1.00000	Injection Volume

Cpnd Variable Local Compound Variable

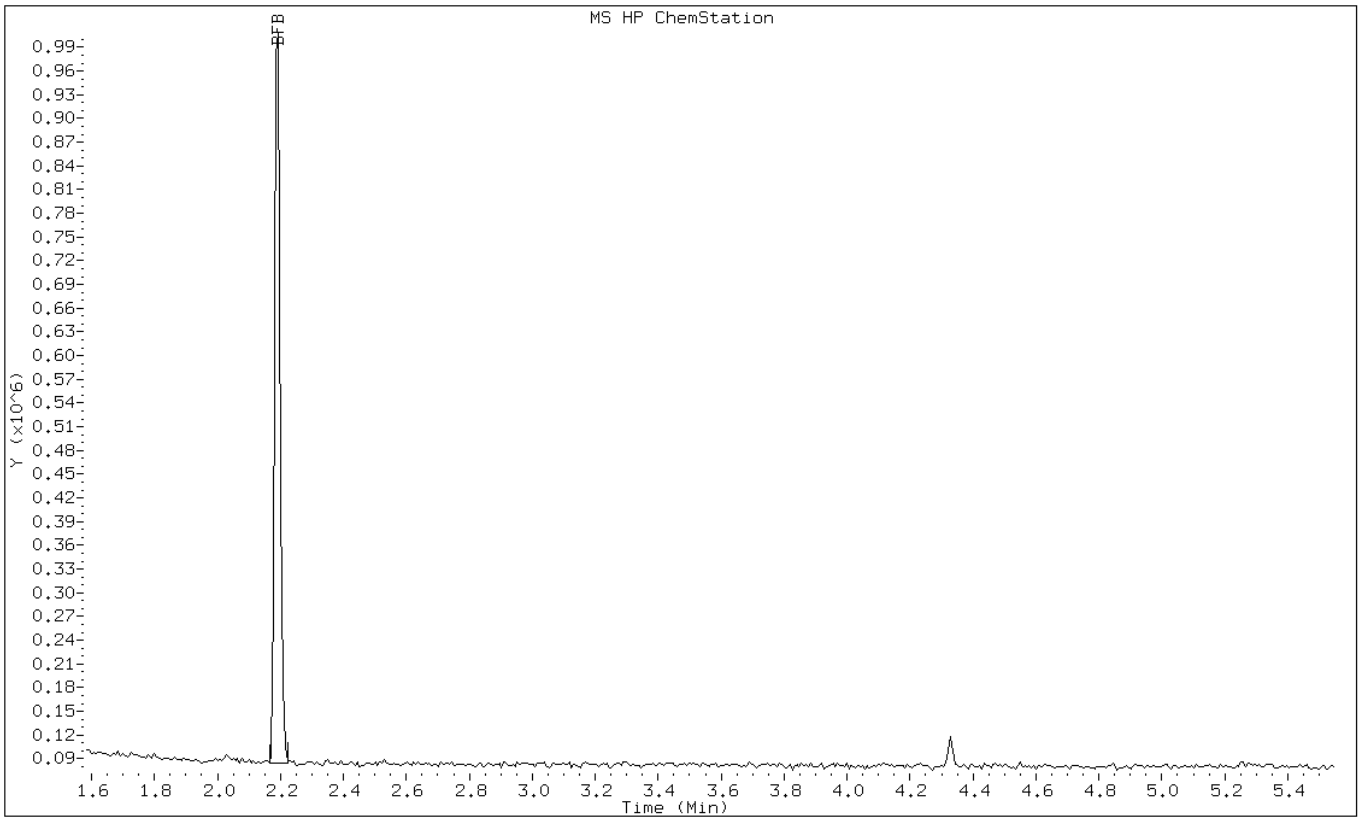
RT	EXP RT (REL RT)	MASS	RESPONSE	CONCENTRATIONS ON-COL (ug/L)	CONCENTRATIONS FINAL (ug/L)	TARGET RANGE	RATIO
1 BFB					CAS #: 460-00-4		
2.193	2.100 (0.000)	95	139456			0.00- 100.00	100.00
2.193	2.100 (0.000)	50	27480			15.00- 40.00	19.71
2.193	2.100 (0.000)	75	68872			30.00- 60.00	49.39
2.193	2.100 (0.000)	96	9221			5.00- 9.00	6.61
2.193	2.100 (0.000)	173	1041			0.00- 2.00	0.80
2.193	2.100 (0.000)	174	130280			50.00- 100.00	93.42
2.193	2.100 (0.000)	175	9772			5.00- 9.00	7.50
2.193	2.100 (0.000)	176	126320			95.00- 101.00	96.96
2.193	2.100 (0.000)	177	8786			5.00- 9.00	6.96

Data File: o52391.d

Date: 05-OCT-2011 05:53

Client ID: Instrument: VOAMS12.i

Sample Info: BFB Operator: VOAMS 1



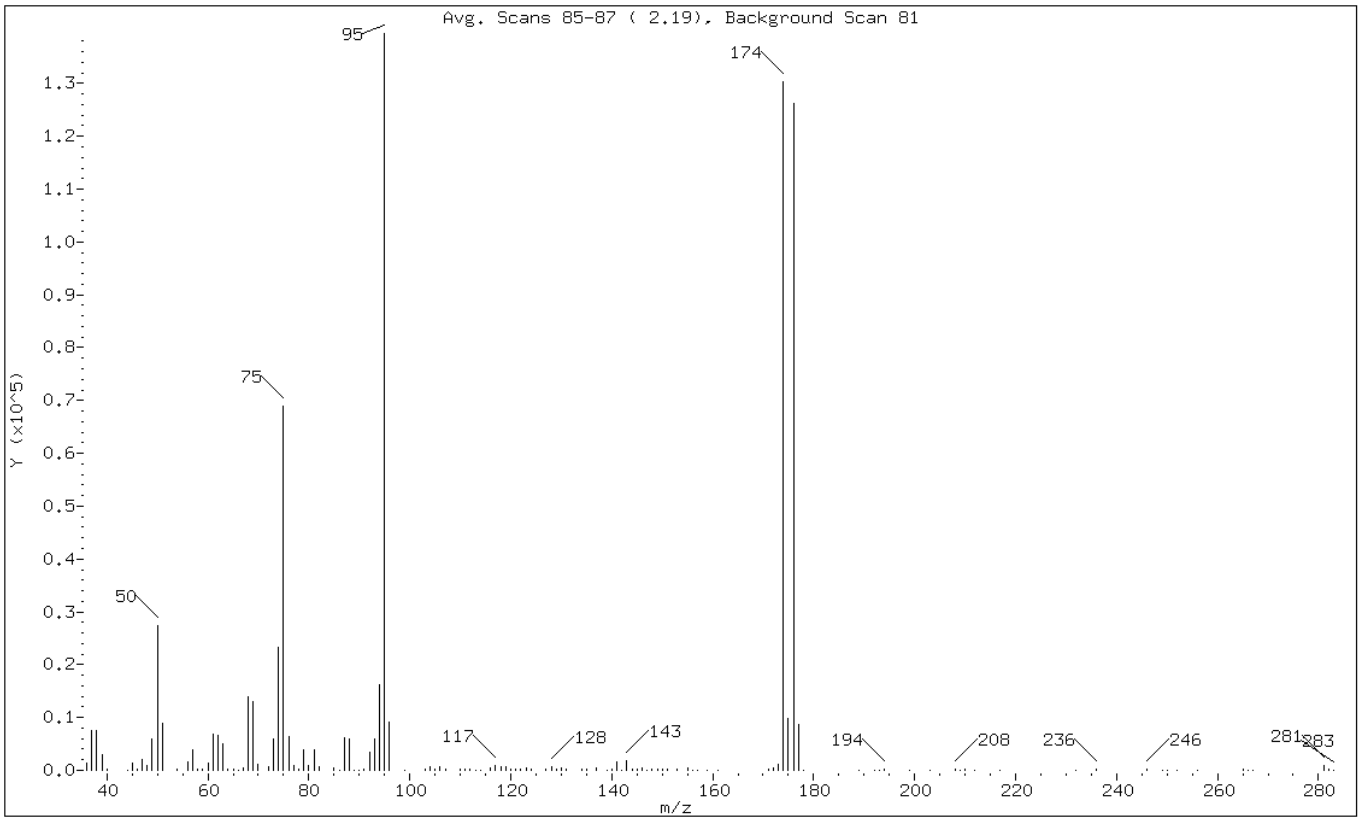
Data File: o52391.d

Date: 05-OCT-2011 05:53

Client ID: Instrument: VOAMS12.i

Sample Info: BFB Operator: VOAMS 1

1 BFB



m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
95	Base Peak, 100% relative abundance	100.00
50	15.00 - 40.00% of mass 95	19.71
75	30.00 - 60.00% of mass 95	49.39
96	5.00 - 9.00% of mass 95	6.61
173	Less than 2.00% of mass 174	0.75 (0.80)
174	50.00 - 100.00% of mass 95	93.42
175	5.00 - 9.00% of mass 174	7.01 (7.50)
176	95.00 - 101.00% of mass 174	90.58 (96.96)
177	5.00 - 9.00% of mass 176	6.30 (6.96)

Data File: o52391.d

Date: 05-OCT-2011 05:53

Client ID: Instrument: VOAMS12.i

Sample Info: BFB Operator: VOAMS 1

Data File: /chem/VOAMS12.i/8260L_10/10-05-11/05oct11.b/o52391.d
Spectrum: Avg. Scans 85-87 (2.19), Background Scan 81
Location of Maximum: 95.00
Number of points: 131

m/z	Y	m/z	Y	m/z	Y	m/z	Y
36.00	1336	76.00	6297	119.00	609	171.00	158
37.00	7608	77.00	959	120.00	143	172.00	362
38.00	7570	78.00	265	121.00	218	173.00	1041
39.00	2932	79.00	3779	122.00	143	174.00	130280
40.00	121	80.00	815	123.00	368	175.00	9772
44.00	60	81.00	3962	124.00	203	176.00	126320
45.00	1257	82.00	674	127.00	118	177.00	8786
46.00	322	85.00	375	128.00	729	178.00	86
47.00	1984	86.00	111	129.00	141	189.00	76
48.00	1004	87.00	6123	130.00	533	192.00	55
49.00	5979	88.00	5894	131.00	241	193.00	50
50.00	27480	89.00	68	134.00	330	194.00	215
51.00	8918	90.00	62	135.00	199	199.00	56
54.00	147	91.00	225	137.00	380	203.00	52
56.00	1695	92.00	3519	139.00	14	208.00	164
57.00	3857	93.00	5826	140.00	125	209.00	56
58.00	178	94.00	16101	141.00	1529	210.00	122
59.00	265	95.00	139456	142.00	100	212.00	107
60.00	1261	96.00	9221	143.00	1821	217.00	64
61.00	6833	99.00	70	144.00	176	232.00	72
62.00	6662	103.00	163	145.00	324	236.00	133
63.00	4971	104.00	581	146.00	364	246.00	118
64.00	291	105.00	312	147.00	94	249.00	66
65.00	131	106.00	580	148.00	169	250.00	58
66.00	38	107.00	180	149.00	323	252.00	60
67.00	351	110.00	171	150.00	189	256.00	59
68.00	13828	111.00	210	151.00	139	265.00	156
69.00	13106	112.00	116	153.00	129	266.00	77
70.00	1058	113.00	81	155.00	392	267.00	60
72.00	671	114.00	66	156.00	61	281.00	863
73.00	5880	116.00	530	157.00	74	282.00	255
74.00	23288	117.00	891	159.00	60	283.00	94
75.00	68872	118.00	672	161.00	8		

Data File: /chem/VOAMS12.i/8260L_10/10-05-11/07oct11.b/o52471.d
Report Date: 07-Oct-2011 03:26

TestAmerica

Data file : /chem/VOAMS12.i/8260L_10/10-05-11/07oct11.b/o52471.d
Lab Smp Id: BFB
Inj Date : 07-OCT-2011 03:18
Operator : VOAMS 1 Inst ID: VOAMS12.i
Smp Info : BFB
Misc Info :
Comment :
Method : /chem/VOAMS12.i/8260L_10/10-05-11/07oct11.b/VOABFB.m
Meth Date : 08-Sep-2011 08:03 desais Quant Type: ISTD
Cal Date : Cal File:
Als bottle: 2 QC Sample: BFB
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: all.sub
Target Version: 3.50 Sample Matrix: WATER
Processing Host: hpd2

Concentration Formula: Amt * DF * Uf * Vf * VI * CpndVariable

Name	Value	Description
DF	1.00000	Dilution Factor
Uf	1.00000	ng unit correction factor
Vf	1.00000	Volumetric correction factor
VI	1.00000	Injection Volume

Cpnd Variable Local Compound Variable

				CONCENTRATIONS ON-COL (ug/L)	FINAL (ug/L)	TARGET RANGE	RATIO
1 BFB					CAS #: 460-00-4		
2.186	2.100 (0.000)	95	170944			0.00- 100.00	100.00
2.186	2.100 (0.000)	50	39208			15.00- 40.00	22.94
2.186	2.100 (0.000)	75	92176			30.00- 60.00	53.92
2.186	2.100 (0.000)	96	11436			5.00- 9.00	6.69
2.186	2.100 (0.000)	173	1977			0.00- 2.00	1.34
2.186	2.100 (0.000)	174	147584			50.00- 100.00	86.33
2.186	2.100 (0.000)	175	10845			5.00- 9.00	7.35
2.186	2.100 (0.000)	176	144896			95.00- 101.00	98.18
2.186	2.100 (0.000)	177	9542			5.00- 9.00	6.59

Data File: o52471.d

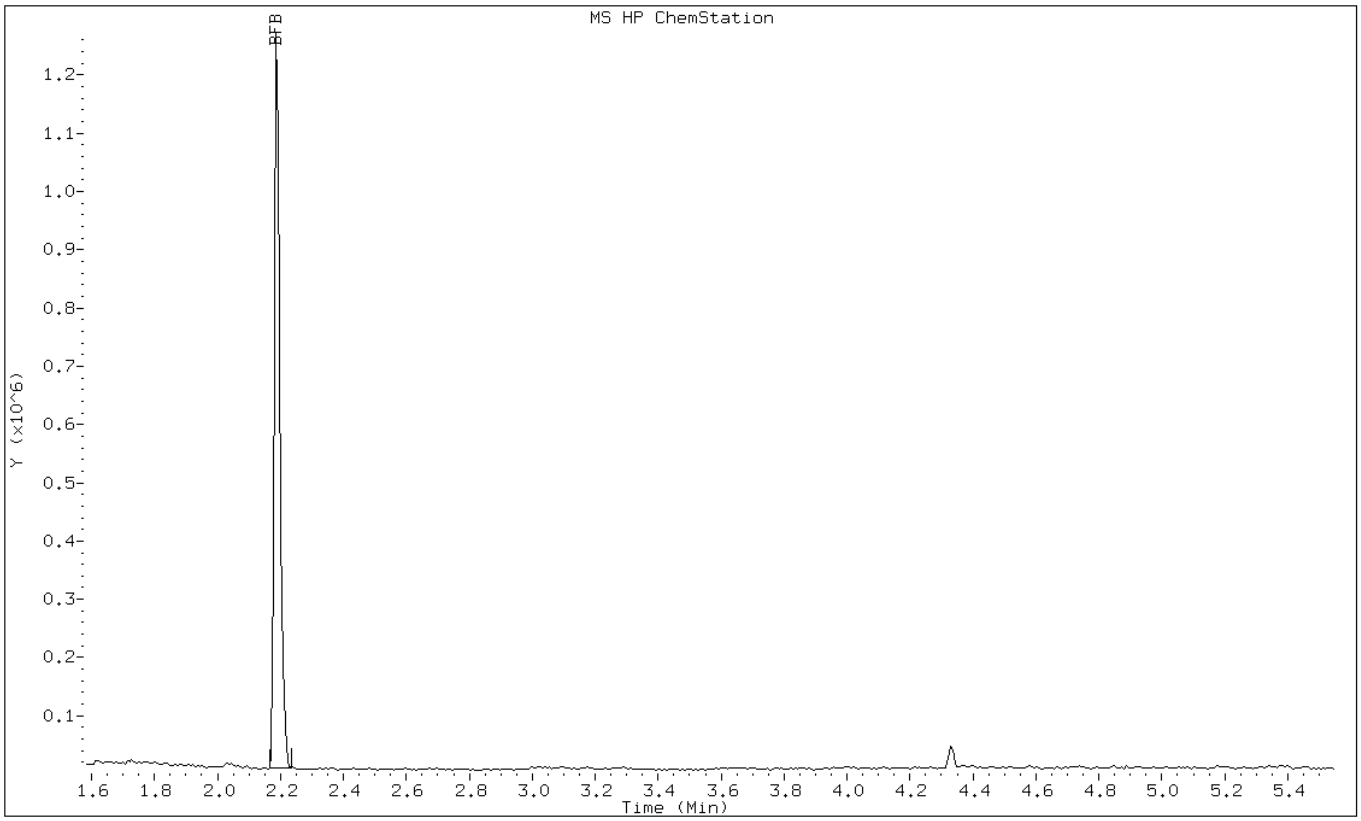
Date: 07-OCT-2011 03:18

Client ID:

Instrument: VOAMS12.i

Sample Info: BFB

Operator: VOAMS 1



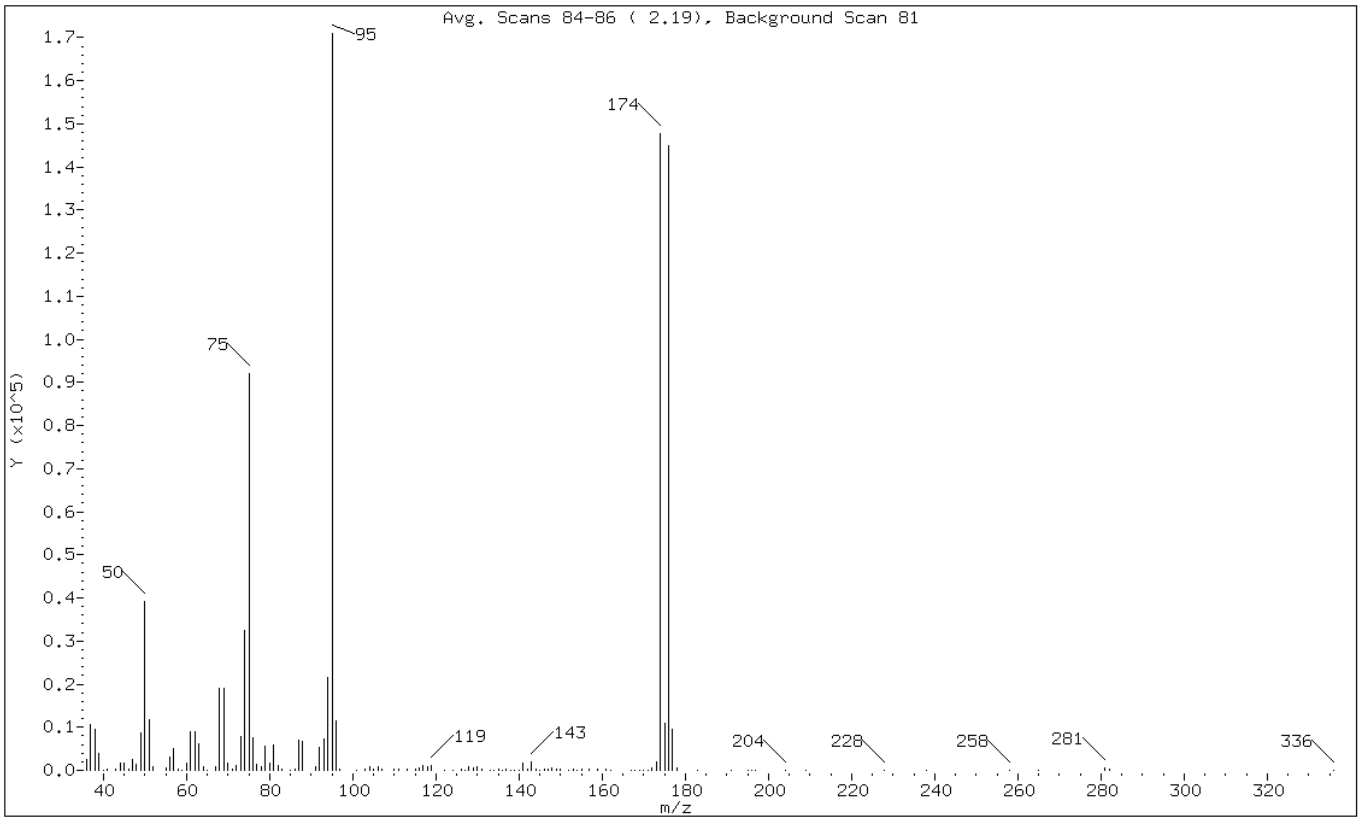
Data File: o52471.d

Date: 07-OCT-2011 03:18

Client ID: Instrument: VOAMS12.i

Sample Info: BFB Operator: VOAMS 1

1 BFB



m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
95	Base Peak, 100% relative abundance	100.00
50	15.00 - 40.00% of mass 95	22.94
75	30.00 - 60.00% of mass 95	53.92
96	5.00 - 9.00% of mass 95	6.69
173	Less than 2.00% of mass 174	1.16 (1.34)
174	50.00 - 100.00% of mass 95	86.33
175	5.00 - 9.00% of mass 174	6.34 (7.35)
176	95.00 - 101.00% of mass 174	84.76 (98.18)
177	5.00 - 9.00% of mass 176	5.58 (6.59)

Data File: o52471.d

Date: 07-OCT-2011 03:18

Client ID: Instrument: VOAMS12.i

Sample Info: BFB Operator: VOAMS 1

Data File: /chem/VOAMS12.i/8260L_10/10-05-11/07oct11.b/o52471.d
Spectrum: Avg. Scans 84-86 (2.19), Background Scan 81
Location of Maximum: 95.00
Number of points: 129

m/z	Y	m/z	Y	m/z	Y	m/z	Y
36.00	2460	73.00	7828	117.00	996	157.00	403
37.00	10764	74.00	32576	118.00	825	159.00	291
38.00	9647	75.00	92176	119.00	1007	161.00	235
39.00	3920	76.00	7503	122.00	65	162.00	93
40.00	139	77.00	1313	124.00	114	167.00	55
41.00	389	78.00	951	126.00	169	168.00	65
43.00	315	79.00	5476	127.00	55	169.00	112
44.00	1612	80.00	1710	128.00	725	170.00	80
45.00	1635	81.00	5769	129.00	433	171.00	126
46.00	304	82.00	1219	130.00	758	172.00	476
47.00	2604	83.00	395	131.00	176	173.00	1977
48.00	1314	85.00	76	133.00	58	174.00	147584
49.00	8703	86.00	175	134.00	128	175.00	10845
50.00	39208	87.00	7064	135.00	354	176.00	144896
51.00	11746	88.00	6670	136.00	67	177.00	9542
52.00	803	91.00	774	137.00	277	178.00	462
55.00	569	92.00	5290	138.00	62	183.00	52
56.00	3169	93.00	7289	139.00	92	191.00	50
57.00	4997	94.00	21424	140.00	128	195.00	62
58.00	290	95.00	170944	141.00	1715	196.00	50
59.00	52	96.00	11436	142.00	266	197.00	63
60.00	1693	97.00	376	143.00	1965	204.00	79
61.00	9011	101.00	61	144.00	142	209.00	62
62.00	9049	103.00	185	145.00	127	228.00	50
63.00	6105	104.00	843	146.00	322	238.00	52
64.00	936	105.00	211	147.00	142	258.00	56
65.00	51	106.00	892	148.00	500	265.00	53
67.00	716	107.00	236	149.00	141	281.00	494
68.00	18984	110.00	154	150.00	298	282.00	160
69.00	19032	111.00	340	152.00	91	336.00	63
70.00	1696	113.00	144	153.00	151		
71.00	155	115.00	271	154.00	117		
72.00	1159	116.00	659	155.00	310		

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Edison | Job No.: 510-70378-1

SDG No.: 0058-373-01

Client Sample ID: | Lab Sample ID: MB 460-88716/5

Matrix: Solid | Lab File ID: o52477.d

Analysis Method: 8260B | Date Collected:

Sample wt/vol: 5(mL) | Date Analyzed: 10/07/2011 06:09

Soil Aliquot Vol: | Dilution Factor: 1

Soil Extract Vol.: | GC Column: DB-624 ID: 0.18(mm)

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

Analysis Batch No.: 88716 | Units: mg/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
67-64-1	Acetone	<0.010		0.010	0.0037
107-02-8	Acrolein	<0.10		0.10	0.022
71-43-2	Benzene	<0.0010		0.0010	0.00074
75-27-4	Bromodichloromethane	<0.0010		0.0010	0.00030
75-25-2	Bromoform	<0.0010		0.0010	0.00070
74-83-9	Bromomethane	<0.0010		0.0010	0.00041
75-15-0	Carbon disulfide	<0.0010		0.0010	0.00047
56-23-5	Carbon tetrachloride	<0.0010		0.0010	0.00010
108-90-7	Chlorobenzene	<0.0010		0.0010	0.00048
124-48-1	Chlorodibromomethane	<0.0010		0.0010	0.00056
75-00-3	Chloroethane	<0.0010		0.0010	0.00040
67-66-3	Chloroform	<0.0010		0.0010	0.00024
74-87-3	Chloromethane	<0.0010		0.0010	0.00063
156-59-2	cis-1,2-Dichloroethylene	<0.0010		0.0010	0.00024
10061-01-5	cis-1,3-Dichloropropene	<0.0010		0.0010	0.00020
110-82-7	Cyclohexane	<0.0010		0.0010	0.00022
106-93-4	1,2-Dibromoethane	<0.0010		0.0010	0.00052
75-35-4	1,1-Dichlorethylene	<0.0010		0.0010	0.00037
75-34-3	1,1-Dichloroethane	<0.0010		0.0010	0.00025
107-06-2	1,2-Dichloroethane	<0.0010		0.0010	0.00039
78-87-5	1,2-Dichloropropane	<0.0010		0.0010	0.00032
141-78-6	Ethyl acetate	<0.0010		0.0010	0.0012
100-41-4	Ethylbenzene	<0.0010		0.0010	0.00019
74-88-4	Iodomethane	<0.0010		0.0010	0.00038
98-82-8	Isopropylbenzene	<0.0010		0.0010	0.00026
79-20-9	Methyl acetate	<0.0010		0.0010	0.00090
591-78-6	Methyl Butyl Ketone (2-Hexanone)	<0.010		0.010	0.0017
108-87-2	Methylcyclohexane	<0.0010		0.0010	0.00027
75-09-2	Methylene Chloride	<0.0010		0.0010	0.00047
78-93-3	Methyl ethyl ketone (MEK)	<0.010		0.010	0.00057
108-10-1	4-Methyl-2-pentanone (MIBK)	<0.010		0.010	0.00072
1634-04-4	Methyl tert-butyl ether	<0.0010		0.0010	0.00034
71-36-3	n-Butanol	<0.50		0.50	0.072
110-54-3	n-Hexane	<0.0010		0.0010	0.00035
103-65-1	n-Propylbenzene	<0.0010		0.0010	0.00026
100-42-5	Styrene	<0.0010		0.0010	0.00035

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Edison | Job No.: 510-70378-1

SDG No.: 0058-373-01

Client Sample ID: | Lab Sample ID: MB 460-88716/5

Matrix: Solid | Lab File ID: o52477.d

Analysis Method: 8260B | Date Collected:

Sample wt/vol: 5(mL) | Date Analyzed: 10/07/2011 06:09

Soil Aliquot Vol: | Dilution Factor: 1

Soil Extract Vol.: | GC Column: DB-624 ID: 0.18(mm)

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

Analysis Batch No.: 88716 | Units: mg/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
630-20-6	1,1,1,2-Tetrachloroethane	<0.0010		0.0010	0.00070
79-34-5	1,1,2,2-Tetrachloroethane	<0.0010		0.0010	0.00076
127-18-4	Tetrachloroethylene	<0.0010		0.0010	0.00033
108-88-3	Toluene	<0.0010		0.0010	0.00030
156-60-5	trans-1,2-Dichloroethylene	<0.0010		0.0010	0.00028
10061-02-6	trans-1,3-Dichloropropene	<0.0010		0.0010	0.00022
71-55-6	1,1,1-Trichloroethane	<0.0010		0.0010	0.00019
79-00-5	1,1,2-Trichloroethane	<0.0010		0.0010	0.00059
79-01-6	Trichloroethene	<0.0010		0.0010	0.00036
75-69-4	Trichlorofluoromethane	<0.0010		0.0010	0.00026
95-63-6	1,2,4-Trimethylbenzene	<0.0010		0.0010	0.00025
108-67-8	1,3,5-Trimethylbenzene	<0.0010		0.0010	0.00023
108-05-4	Vinyl acetate	<0.0010		0.0010	0.00037
75-01-4	Vinyl chloride	<0.0010		0.0010	0.00023
1330-20-7	Xylenes, Total	<0.0030		0.0030	0.00079

CAS NO.	SURROGATE	%REC	Q	LIMITS
17060-07-0	1,2-Dichloroethane-d4 (Surr)	107		70-138
2037-26-5	Toluene-d8 (Surr)	110		66-126

Data File: /chem/VOAMS12.i/8260L_10/10-05-11/07oct11.b/o52477.d
Report Date: 07-Oct-2011 14:03

TestAmerica

VOLATILE ORGANIC COMPOUND ANALYSIS

Data file : /chem/VOAMS12.i/8260L_10/10-05-11/07oct11.b/o52477.d
Lab Smp Id: MB
Inj Date : 07-OCT-2011 06:09
Operator : VOAMS 9 Inst ID: VOAMS12.i
Smp Info : MB
Misc Info :
Comment :
Method : /chem/VOAMS12.i/8260L_10/10-05-11/07oct11.b/8260L_10.m
Meth Date : 07-Oct-2011 04:11 audberto Quant Type: ISTD
Cal Date : 05-OCT-2011 10:16 Cal File: o52401.d
Als bottle: 6 QC Sample: BLANK
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: all.sub
Target Version: 3.50
Processing Host: hpd2

Concentration Formula: Amt * DF * ((Vt/Ws)/((100-M)/100)) * CpndVariable

Name	Value	Description
DF	1.00000	Dilution Factor
Vt	5.00000	Volume of final extract (mL)
Ws	5.00000	Weight of sample extracted (g)
M	0.00000	% Moisture (not decanted)

Cpnd Variable Local Compound Variable

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/L)	CONCENTRATIONS FINAL (ug/Kg)
	7 Acetone	43	1.604	1.611	(0.439)	8786	4.29660	4.3(aH)
$	16 1,2-Dichloroethane-d4 (SUR)	65	3.352	3.352	(0.918)	240830	53.3618	53
*	69 Fluorobenzene	96	3.652	3.652	(1.000)	1111127	50.0000	
$	37 Toluene-d8 (SUR)	98	5.336	5.336	(0.740)	954289	54.8610	55
*	32 Chlorobenzene-d5	117	7.213	7.212	(1.000)	847766	50.0000	
$	41 Bromofluorobenzene (SUR)	174	9.018	9.017	(0.829)	332092	51.4659	51
*	91 1,4-Dichlorobenzene-d4	152	10.880	10.880	(1.000)	431216	50.0000	

QC Flag Legend

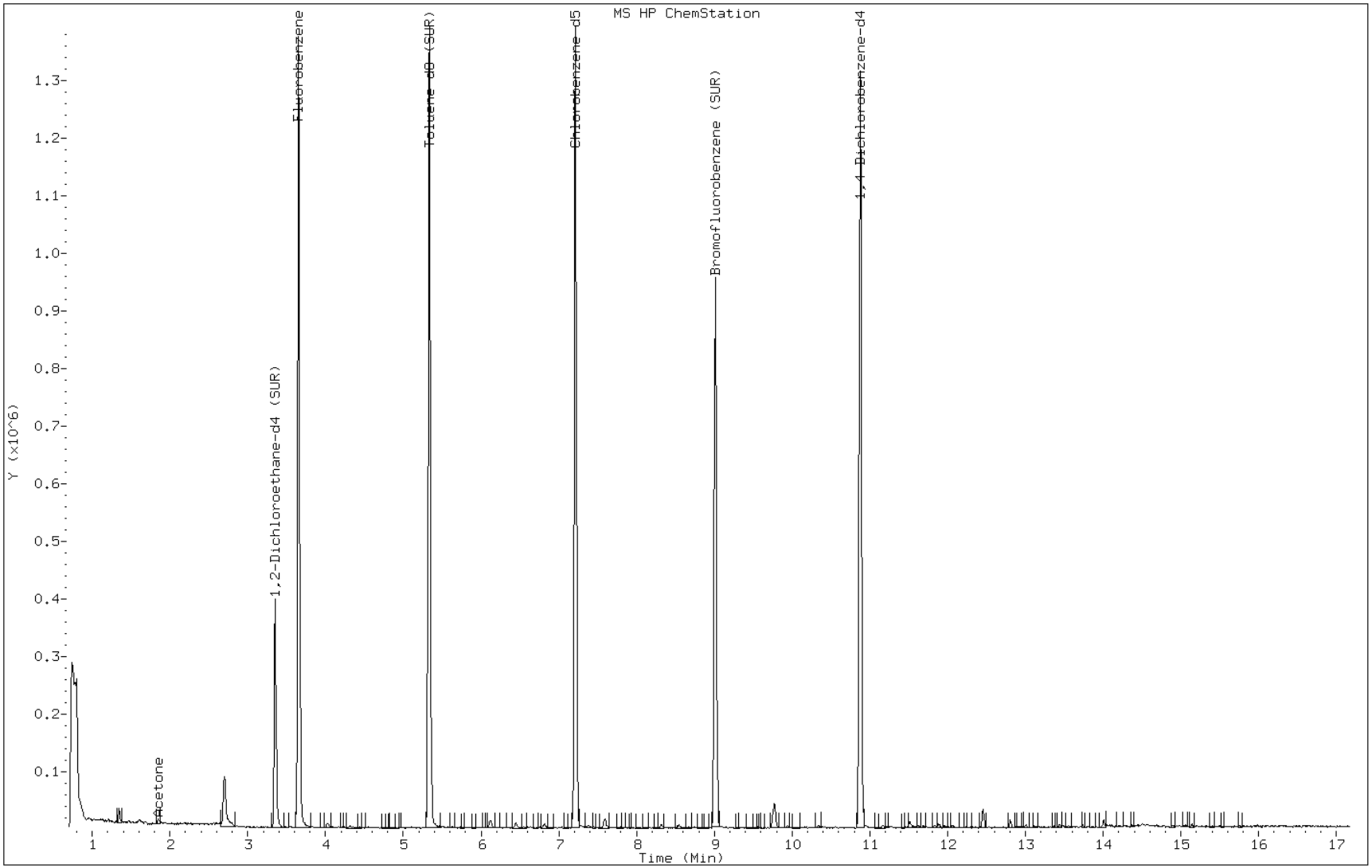
a - Target compound detected but, quantitated amount
Below Limit Of Quantitation(BLOQ).
H - Operator selected an alternate compound hit.

Data File: o52477.d

Date: 07-OCT-2011 06:09

Client ID: Instrument: VOAMS12.i

Sample Info: MB Operator: VOAMS 9



FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Edison | Job No.: 510-70378-1

SDG No.: 0058-373-01

Client Sample ID: | Lab Sample ID: LCS 460-88716/3

Matrix: Solid | Lab File ID: o52473.d

Analysis Method: 8260B | Date Collected:

Sample wt/vol: 5(mL) | Date Analyzed: 10/07/2011 04:18

Soil Aliquot Vol: | Dilution Factor: 1

Soil Extract Vol.: | GC Column: DB-624 ID: 0.18(mm)

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

Analysis Batch No.: 88716 | Units: mg/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
67-64-1	Acetone	0.0224		0.010	0.0037
107-02-8	Acrolein	0.331		0.10	0.022
71-43-2	Benzene	0.0201		0.0010	0.00074
75-27-4	Bromodichloromethane	0.0185		0.0010	0.00030
75-25-2	Bromoform	0.0155		0.0010	0.00070
74-83-9	Bromomethane	0.0272		0.0010	0.00041
75-15-0	Carbon disulfide	0.0204		0.0010	0.00047
56-23-5	Carbon tetrachloride	0.0189		0.0010	0.00010
108-90-7	Chlorobenzene	0.0194		0.0010	0.00048
124-48-1	Chlorodibromomethane	0.0169		0.0010	0.00056
75-00-3	Chloroethane	0.0231		0.0010	0.00040
67-66-3	Chloroform	0.0200		0.0010	0.00024
74-87-3	Chloromethane	0.0217		0.0010	0.00063
156-59-2	cis-1,2-Dichloroethylene	0.0209		0.0010	0.00024
10061-01-5	cis-1,3-Dichloropropene	0.0194		0.0010	0.00020
110-82-7	Cyclohexane	0.0207		0.0010	0.00022
106-93-4	1,2-Dibromoethane	0.0196		0.0010	0.00052
75-35-4	1,1-Dichlorethylene	0.0210		0.0010	0.00037
75-34-3	1,1-Dichloroethane	0.0207		0.0010	0.00025
107-06-2	1,2-Dichloroethane	0.0200		0.0010	0.00039
78-87-5	1,2-Dichloropropane	0.0195		0.0010	0.00032
141-78-6	Ethyl acetate	0.0443		0.0010	0.0012
100-41-4	Ethylbenzene	0.0185		0.0010	0.00019
74-88-4	Iodomethane	0.0218		0.0010	0.00038
98-82-8	Isopropylbenzene	0.0198		0.0010	0.00026
79-20-9	Methyl acetate	0.0204		0.0010	0.00090
591-78-6	Methyl Butyl Ketone (2-Hexanone)	0.0201		0.010	0.0017
108-87-2	Methylcyclohexane	0.0203		0.0010	0.00027
75-09-2	Methylene Chloride	0.0217		0.0010	0.00047
78-93-3	Methyl ethyl ketone (MEK)	0.0223		0.010	0.00057
108-10-1	4-Methyl-2-pentanone (MIBK)	0.0208		0.010	0.00072
1634-04-4	Methyl tert-butyl ether	0.0214		0.0010	0.00034
71-36-3	n-Butanol	1.50		0.50	0.072
110-54-3	n-Hexane	0.0210		0.0010	0.00035
103-65-1	n-Propylbenzene	0.0199		0.0010	0.00026
100-42-5	Styrene	0.0189		0.0010	0.00035

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Edison | Job No.: 510-70378-1

SDG No.: 0058-373-01

Client Sample ID: | Lab Sample ID: LCS 460-88716/3

Matrix: Solid | Lab File ID: o52473.d

Analysis Method: 8260B | Date Collected:

Sample wt/vol: 5(mL) | Date Analyzed: 10/07/2011 04:18

Soil Aliquot Vol: | Dilution Factor: 1

Soil Extract Vol.: | GC Column: DB-624 ID: 0.18(mm)

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

Analysis Batch No.: 88716 | Units: mg/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
630-20-6	1,1,1,2-Tetrachloroethane	0.0179		0.0010	0.00070
79-34-5	1,1,2,2-Tetrachloroethane	0.0195		0.0010	0.00076
127-18-4	Tetrachloroethylene	0.0193		0.0010	0.00033
108-88-3	Toluene	0.0221		0.0010	0.00030
156-60-5	trans-1,2-Dichloroethylene	0.0206		0.0010	0.00028
10061-02-6	trans-1,3-Dichloropropene	0.0185		0.0010	0.00022
71-55-6	1,1,1-Trichloroethane	0.0198		0.0010	0.00019
79-00-5	1,1,2-Trichloroethane	0.0191		0.0010	0.00059
79-01-6	Trichloroethene	0.0196		0.0010	0.00036
75-69-4	Trichlorofluoromethane	0.0218		0.0010	0.00026
95-63-6	1,2,4-Trimethylbenzene	0.0193		0.0010	0.00025
108-67-8	1,3,5-Trimethylbenzene	0.0195		0.0010	0.00023
108-05-4	Vinyl acetate	0.0198		0.0010	0.00037
75-01-4	Vinyl chloride	0.0213		0.0010	0.00023
1330-20-7	Xylenes, Total	0.0563		0.0030	0.00079

CAS NO.	SURROGATE	%REC	Q	LIMITS
17060-07-0	1,2-Dichloroethane-d4 (Surr)	115		70-138
2037-26-5	Toluene-d8 (Surr)	113		66-126

Data File: /chem/VOAMS12.i/8260L_10/10-05-11/07oct11.b/o52473.d
Report Date: 07-Oct-2011 04:39

TestAmerica

VOLATILE ORGANIC COMPOUND ANALYSIS

Data file : /chem/VOAMS12.i/8260L_10/10-05-11/07oct11.b/o52473.d
Lab Smp Id: LCS
Inj Date : 07-OCT-2011 04:18
Operator : VOAMS 9 Inst ID: VOAMS12.i
Smp Info : LCS
Misc Info :
Comment :
Method : /chem/VOAMS12.i/8260L_10/10-05-11/07oct11.b/8260L_10.m
Meth Date : 07-Oct-2011 04:11 audberto Quant Type: ISTD
Cal Date : 05-OCT-2011 10:16 Cal File: o52401.d
Als bottle: 2 QC Sample: METHSPIKE
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: all.sub
Target Version: 3.50
Processing Host: hpd2

Concentration Formula: Amt * DF * ((Vt/Ws)/((100-M)/100)) * CpndVariable

Name	Value	Description
DF	1.00000	Dilution Factor
Vt	5.00000	Volume of final extract (mL)
Ws	5.00000	Weight of sample extracted (g)
M	0.00000	% Moisture (not decanted)

Cpnd Variable Local Compound Variable

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/L)	FINAL (ug/Kg)
M 14	1,2-Dichloroethene (total)	100				368682	41.5039	42
90	Dichlorodifluoromethane	85	0.837	0.837	(0.229)	218308	21.7774	22
1	Chloromethane	50	0.945	0.938	(0.259)	257584	21.7479	22
4	Vinyl Chloride	62	0.973	0.973	(0.266)	250413	21.3053	21
3	Bromomethane	94	1.131	1.131	(0.310)	153939	27.2119	27
5	Chloroethane	64	1.181	1.174	(0.323)	178092	23.0809	23
9	Trichlorofluoromethane	101	1.303	1.303	(0.357)	339310	21.8204	22
121	n-Pentane	72	1.346	1.339	(0.368)	36478	20.1143	20
127	Ethanol	46	1.417	1.410	(0.388)	127946	3065.00	3100
46	Ethyl Ether	59	1.453	1.453	(0.398)	132872	20.6909	21
119	Isoprene	67	1.468	1.460	(0.402)	298434	21.1510	21
47	Acrolein	56	1.525	1.518	(0.418)	324412	330.802	330
10	1,1-Dichloroethene	96	1.575	1.575	(0.431)	166927	20.9602	21
48	Freon TF	101	1.575	1.575	(0.431)	192252	22.2410	22

Data File: /chem/VOAMS12.i/8260L_10/10-05-11/07oct11.b/o52473.d
Report Date: 07-Oct-2011 04:39

			QUANT SIG					CONCENTRATIONS	
								ON-COLUMN	FINAL
		Compounds	MASS	RT	EXP RT	REL RT	RESPONSE	(ug/L)	(ug/Kg)
	7	Acetone	43	1.611	1.611	(0.441)	47806	22.3648	22
	142	Iodomethane	142	1.661	1.661	(0.455)	255532	21.8481	22
	8	Carbon Disulfide	76	1.690	1.690	(0.463)	581817	20.4426	20
	50	Acetonitrile	41	1.768	1.761	(0.484)	379553	432.369	430
	125	Methyl acetate	74	1.790	1.790	(0.490)	32913	20.4079	20
	6	Methylene Chloride	84	1.854	1.847	(0.508)	171084	21.6840	22
	51	TBA	59	1.940	1.933	(0.531)	324539	435.596	440
	52	Acrylonitrile	53	1.998	1.998	(0.547)	389295	165.242	160
	12	trans-1,2-Dichloroethene	96	2.012	2.012	(0.551)	180314	20.6116	21
	53	MTBE	73	2.019	2.019	(0.553)	461231	21.3589	21
	54	Hexane	56	2.191	2.191	(0.600)	180359	20.9722	21
	11	1,1-Dichloroethane	63	2.284	2.284	(0.625)	343059	20.6846	21
	57	Vinyl Acetate	43	2.341	2.342	(0.641)	434059	19.8081	20
	55	DIPE	45	2.341	2.342	(0.641)	651285	21.6454	22
	149	tert-Butyl ethyl ether	59	2.599	2.599	(0.712)	551818	21.2198	21
	104	2,2-Dichloropropane	77	2.692	2.692	(0.737)	310202	21.1102	21
	13	cis-1,2-Dichloroethene	96	2.692	2.692	(0.737)	188367	20.8923	21
	18	2-Butanone	72	2.721	2.714	(0.745)	16396	22.2681	22
	56	Ethyl Acetate	70	2.771	2.771	(0.759)	26096	44.2877	44
	108	Bromochloromethane	128	2.879	2.879	(0.788)	72335	19.5179	20
	15	Chloroform	83	2.950	2.943	(0.808)	278700	20.0425	20
	20	1,1,1-Trichloroethane	97	3.079	3.079	(0.843)	272097	19.8322	20
	59	Cyclohexane	56	3.122	3.122	(0.855)	346227	20.6950	21
	21	Carbon Tetrachloride	117	3.215	3.215	(0.880)	209991	18.8800	19
	92	1,1-Dichloropropene	75	3.223	3.223	(0.882)	253813	19.3845	19
$	16	1,2-Dichloroethane-d4 (SUR)	65	3.351	3.352	(0.918)	271265	57.4991	57
	28	Benzene	78	3.394	3.394	(0.929)	670457	20.0794	20
	17	1,2-Dichloroethane	62	3.416	3.416	(0.935)	187113	19.9993	20
	61	Isopropyl Acetate	43	3.509	3.509	(0.961)	653327	40.9605	41
	140	tert-Amylmethyl Ether	73	3.523	3.523	(0.965)	417319	20.0599	20
*	69	Fluorobenzene	96	3.652	3.652	(1.000)	1161491	50.0000	
	156	2,4,4-Trimethyl-1-pentene	112	3.967	3.968	(1.086)	67209	18.3871	18
	25	Trichloroethene	95	4.003	4.003	(1.096)	170781	19.6202	20
	63	n-Butanol	43	4.032	4.032	(1.104)	175638	1495.34	1500
	126	Methyl cyclohexane	83	4.182	4.182	(1.145)	346402	20.2698	20
	23	1,2-Dichloropropane	63	4.225	4.225	(1.157)	167956	19.5280	20
	109	Dibromomethane	93	4.340	4.340	(1.188)	80799	19.6086	20
	95	1,4-Dioxane	88	4.390	4.390	(1.202)	12513	172.046	170
	146	Methyl methacrylate	69	4.397	4.397	(1.204)	85524	21.2419	21
	64	Propyl Acetate	43	4.483	4.476	(1.228)	370149	40.3353	40
	22	Bromodichloromethane	83	4.526	4.526	(1.239)	187314	18.4796	18
	30	2-Chloroethyl Vinyl Ether	63	4.906	4.899	(1.343)	92130	20.2934	20
	118	Epichlorohydrin	57	4.949	4.949	(1.355)	246860	400.120	400
	24	cis-1,3-Dichloropropene	75	5.035	5.035	(1.379)	244908	19.4080	19
	33	4-Methyl-2-Pentanone	43	5.250	5.250	(1.437)	122987	20.7993	21
$	37	Toluene-d8 (SUR)	98	5.336	5.336	(0.740)	1020142	56.3051	56
	38	Toluene	91	5.414	5.414	(0.751)	734982	22.0583	22

Data File: /chem/VOAMS12.i/8260L_10/10-05-11/07oct11.b/o52473.d
Report Date: 07-Oct-2011 04:39

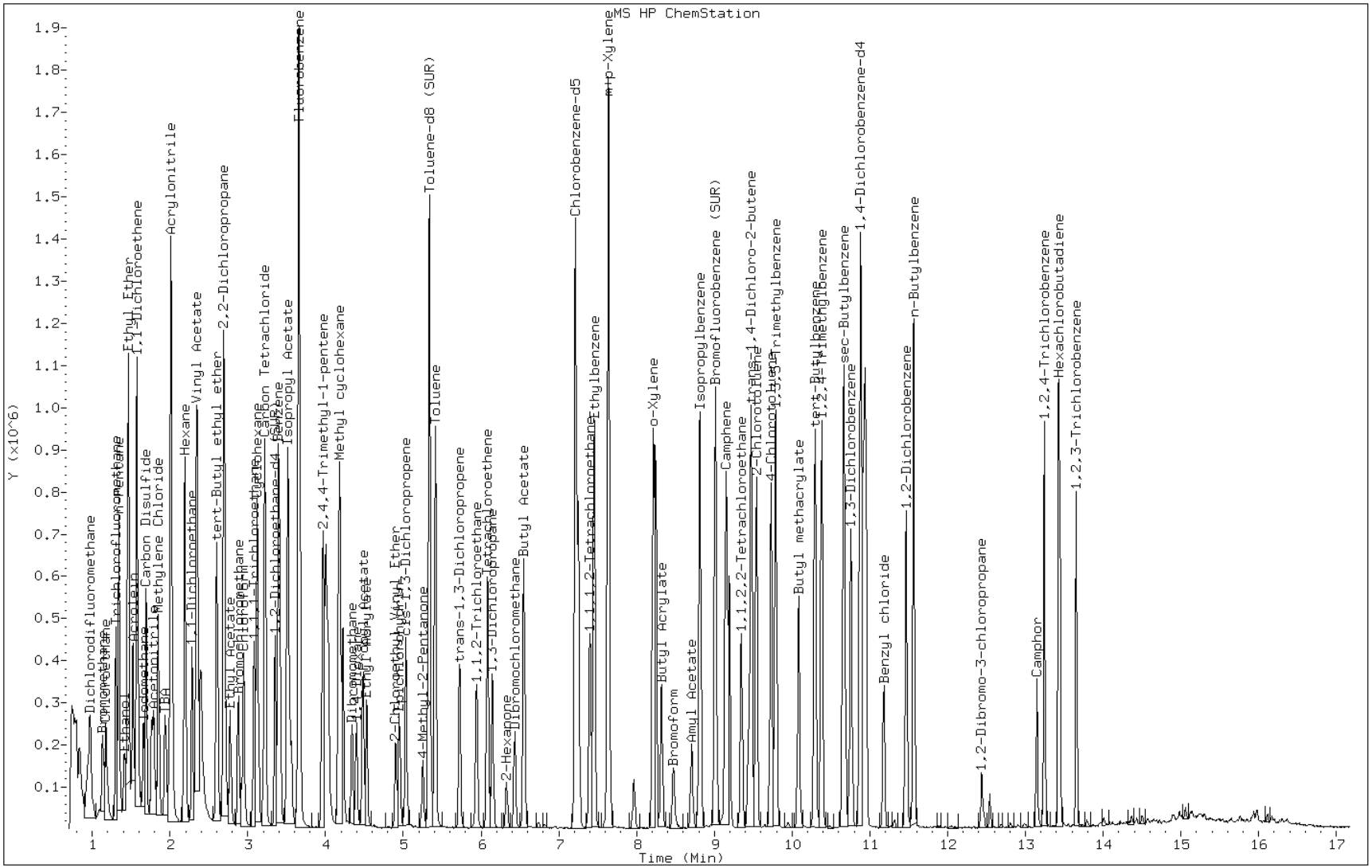
	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/L)	FINAL (ug/Kg)
	29 trans-1,3-Dichloropropene	75	5.722	5.722	(0.793)	210276	18.5378	18
	27 1,1,2-Trichloroethane	83	5.944	5.945	(0.824)	96076	19.1422	19
	35 Tetrachloroethene	166	6.081	6.081	(0.843)	205607	19.3314	19
	103 1,3-Dichloropropane	76	6.145	6.145	(0.852)	212562	19.7575	20
	34 2-Hexanone	43	6.324	6.324	(0.877)	86773	20.1060	20
	26 Dibromochloromethane	129	6.432	6.432	(0.892)	124307	16.8851	17
	65 Butyl Acetate	43	6.546	6.546	(0.908)	415267	39.7608	40
	66 1,2-Dibromoethane	107	6.546	6.546	(0.908)	115719	19.6129	20
*	32 Chlorobenzene-d5	117	7.212	7.212	(1.000)	883024	50.0000	
	39 Chlorobenzene	112	7.255	7.255	(1.006)	456448	19.4410	19
	97 1,1,1,2-Tetrachloroethane	131	7.399	7.399	(1.026)	148957	17.9121	18
	40 Ethylbenzene	106	7.456	7.456	(1.034)	249852	18.5112	18
	43 m+p-Xylene	106	7.635	7.635	(1.059)	619203	37.3281	37
	44 o-Xylene	106	8.215	8.215	(1.139)	301919	19.0059	19
	42 Styrene	104	8.244	8.244	(1.143)	499934	18.8617	19
	147 Butyl Acrylate	55	8.315	8.323	(0.764)	266425	19.5562	20
	31 Bromoform	173	8.473	8.473	(1.175)	74516	15.5372	16
	145 Amyl Acetate	43	8.709	8.709	(1.208)	140747	19.6470	20
	110 Isopropylbenzene	105	8.817	8.817	(1.222)	827823	19.7807	20
$	41 Bromofluorobenzene (SUR)	174	9.017	9.017	(0.829)	363031	55.2158	55
	150 Camphene	41	9.153	9.146	(0.841)	102292	20.2489	20
	107 Bromobenzene	156	9.196	9.197	(0.845)	190806	19.4302	19
	36 1,1,2,2-Tetrachloroethane	83	9.340	9.347	(0.858)	146332	19.5065	20
	99 1,2,3-Trichloropropane	110	9.354	9.354	(0.860)	43459	20.6115	21
	143 trans-1,4-Dichloro-2-butene	53	9.433	9.433	(2.583)	45257	18.5381	18
	112 n-Propylbenzene	91	9.469	9.469	(0.870)	1024844	19.8739	20
	105 2-Chlorotoluene	91	9.540	9.540	(0.877)	553311	19.4964	19
	106 4-Chlorotoluene	91	9.727	9.727	(0.894)	569503	19.6012	20
	102 1,3,5-Trimethylbenzene	105	9.791	9.791	(0.900)	663421	19.5175	20
	148 Butyl methacrylate	69	10.085	10.085	(0.927)	230287	19.2849	19
	115 tert-Butylbenzene	119	10.292	10.300	(0.946)	603231	19.2902	19
	100 1,2,4-Trimethylbenzene	105	10.378	10.378	(0.954)	665494	19.2903	19
	114 sec-Butylbenzene	105	10.665	10.665	(0.980)	918439	19.5089	20
	67 1,3-Dichlorobenzene	146	10.758	10.758	(0.989)	370429	19.5066	20
*	91 1,4-Dichlorobenzene-d4	152	10.880	10.880	(1.000)	439376	50.0000	
	68 1,4-Dichlorobenzene	146	10.916	10.916	(1.003)	359018	19.0166	19
	113 p-Isopropyltoluene	119	10.944	10.944	(1.006)	746249	19.2585	19
	69 1,2-Dichlorobenzene	146	11.467	11.467	(1.054)	322191	19.0160	19
	117 Benzyl chloride	91	11.181	11.181	(1.028)	272866	18.0304	18
	111 n-Butylbenzene	91	11.567	11.560	(1.063)	721821	19.9573	20
	101 1,2-Dibromo-3-chloropropane	75	12.434	12.434	(1.143)	22775	17.6568	18
	152 Camphor	95	13.150	13.151	(1.209)	68012	93.5039	94
	93 1,2,4-Trichlorobenzene	180	13.244	13.244	(1.217)	235859	18.1472	18
	94 Hexachlorobutadiene	225	13.423	13.430	(1.234)	163662	17.2477	17
	70 Naphthalene	128	13.444	13.444	(1.236)	413604	18.4064	18
	98 1,2,3-Trichlorobenzene	180	13.659	13.659	(1.255)	198489	17.8041	18
M	45 Xylene (Total)	100				921122	56.3242	56

Data File: o52473.d

Date: 07-OCT-2011 04:18

Client ID: Instrument: VOAMS12.i

Sample Info: LCS Operator: VOAMS 9



FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Edison | Job No.: 510-70378-1

SDG No.: 0058-373-01

Client Sample ID: | Lab Sample ID: LCSD 460-88716/4

Matrix: Solid | Lab File ID: o52474.d

Analysis Method: 8260B | Date Collected:

Sample wt/vol: 5(mL) | Date Analyzed: 10/07/2011 04:43

Soil Aliquot Vol: | Dilution Factor: 1

Soil Extract Vol.: | GC Column: DB-624 ID: 0.18(mm)

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

Analysis Batch No.: 88716 | Units: mg/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
67-64-1	Acetone	0.0237		0.010	0.0037
107-02-8	Acrolein	0.317		0.10	0.022
71-43-2	Benzene	0.0194		0.0010	0.00074
75-27-4	Bromodichloromethane	0.0188		0.0010	0.00030
75-25-2	Bromoform	0.0153		0.0010	0.00070
74-83-9	Bromomethane	0.0225		0.0010	0.00041
75-15-0	Carbon disulfide	0.0186		0.0010	0.00047
56-23-5	Carbon tetrachloride	0.0182		0.0010	0.00010
108-90-7	Chlorobenzene	0.0190		0.0010	0.00048
124-48-1	Chlorodibromomethane	0.0167		0.0010	0.00056
75-00-3	Chloroethane	0.0213		0.0010	0.00040
67-66-3	Chloroform	0.0195		0.0010	0.00024
74-87-3	Chloromethane	0.0184		0.0010	0.00063
156-59-2	cis-1,2-Dichloroethylene	0.0200		0.0010	0.00024
10061-01-5	cis-1,3-Dichloropropene	0.0193		0.0010	0.00020
110-82-7	Cyclohexane	0.0195		0.0010	0.00022
106-93-4	1,2-Dibromoethane	0.0189		0.0010	0.00052
75-35-4	1,1-Dichlorethylene	0.0189		0.0010	0.00037
75-34-3	1,1-Dichloroethane	0.0200		0.0010	0.00025
107-06-2	1,2-Dichloroethane	0.0201		0.0010	0.00039
78-87-5	1,2-Dichloropropane	0.0193		0.0010	0.00032
141-78-6	Ethyl acetate	0.0351		0.0010	0.0012
100-41-4	Ethylbenzene	0.0185		0.0010	0.00019
74-88-4	Iodomethane	0.0202		0.0010	0.00038
98-82-8	Isopropylbenzene	0.0195		0.0010	0.00026
79-20-9	Methyl acetate	0.0189		0.0010	0.00090
591-78-6	Methyl Butyl Ketone (2-Hexanone)	0.0188		0.010	0.0017
108-87-2	Methylcyclohexane	0.0190		0.0010	0.00027
75-09-2	Methylene Chloride	0.0206		0.0010	0.00047
78-93-3	Methyl ethyl ketone (MEK)	0.0220		0.010	0.00057
108-10-1	4-Methyl-2-pentanone (MIBK)	0.0194		0.010	0.00072
1634-04-4	Methyl tert-butyl ether	0.0200		0.0010	0.00034
71-36-3	n-Butanol	1.36		0.50	0.072
110-54-3	n-Hexane	0.0190		0.0010	0.00035
103-65-1	n-Propylbenzene	0.0193		0.0010	0.00026
100-42-5	Styrene	0.0185		0.0010	0.00035

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Edison | Job No.: 510-70378-1

SDG No.: 0058-373-01

Client Sample ID: | Lab Sample ID: LCSD 460-88716/4

Matrix: Solid | Lab File ID: o52474.d

Analysis Method: 8260B | Date Collected:

Sample wt/vol: 5(mL) | Date Analyzed: 10/07/2011 04:43

Soil Aliquot Vol: | Dilution Factor: 1

Soil Extract Vol.: | GC Column: DB-624 ID: 0.18(mm)

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

Analysis Batch No.: 88716 | Units: mg/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
630-20-6	1,1,1,2-Tetrachloroethane	0.0176		0.0010	0.00070
79-34-5	1,1,2,2-Tetrachloroethane	0.0187		0.0010	0.00076
127-18-4	Tetrachloroethylene	0.0192		0.0010	0.00033
108-88-3	Toluene	0.0214		0.0010	0.00030
156-60-5	trans-1,2-Dichloroethylene	0.0192		0.0010	0.00028
10061-02-6	trans-1,3-Dichloropropene	0.0181		0.0010	0.00022
71-55-6	1,1,1-Trichloroethane	0.0185		0.0010	0.00019
79-00-5	1,1,2-Trichloroethane	0.0192		0.0010	0.00059
79-01-6	Trichloroethene	0.0193		0.0010	0.00036
75-69-4	Trichlorofluoromethane	0.0201		0.0010	0.00026
95-63-6	1,2,4-Trimethylbenzene	0.0188		0.0010	0.00025
108-67-8	1,3,5-Trimethylbenzene	0.0193		0.0010	0.00023
108-05-4	Vinyl acetate	0.0201		0.0010	0.00037
75-01-4	Vinyl chloride	0.0196		0.0010	0.00023
1330-20-7	Xylenes, Total	0.0551		0.0030	0.00079

CAS NO.	SURROGATE	%REC	Q	LIMITS
17060-07-0	1,2-Dichloroethane-d4 (Surr)	112		70-138
2037-26-5	Toluene-d8 (Surr)	111		66-126

Data File: /chem/VOAMS12.i/8260L_10/10-05-11/07oct11.b/o52474.d
Report Date: 07-Oct-2011 05:03

TestAmerica

VOLATILE ORGANIC COMPOUND ANALYSIS

Data file : /chem/VOAMS12.i/8260L_10/10-05-11/07oct11.b/o52474.d
Lab Smp Id: LCSD
Inj Date : 07-OCT-2011 04:43
Operator : VOAMS 9 Inst ID: VOAMS12.i
Smp Info : LCSD
Misc Info :
Comment :
Method : /chem/VOAMS12.i/8260L_10/10-05-11/07oct11.b/8260L_10.m
Meth Date : 07-Oct-2011 04:11 audberto Quant Type: ISTD
Cal Date : 05-OCT-2011 10:16 Cal File: o52401.d
Als bottle: 3 QC Sample: METHSPIKE
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: all.sub
Target Version: 3.50
Processing Host: hpd2

Concentration Formula: Amt * DF * ((Vt/Ws)/((100-M)/100)) * CpndVariable

Name	Value	Description
DF	1.00000	Dilution Factor
Vt	5.00000	Volume of final extract (mL)
Ws	5.00000	Weight of sample extracted (g)
M	0.00000	% Moisture (not decanted)

Cpnd Variable Local Compound Variable

		QUANT SIG					CONCENTRATIONS ON-COLUMN	FINAL
Compounds		MASS	RT	EXP RT	REL RT	RESPONSE	(ug/L)	(ug/Kg)
M	14 1,2-Dichloroethene (total)	100				350448	39.1973	39
	90 Dichlorodifluoromethane	85	0.837	0.837	(0.229)	190738	18.9092	19
	1 Chloromethane	50	0.952	0.938	(0.261)	219827	18.4451	18
	4 Vinyl Chloride	62	0.973	0.973	(0.266)	231668	19.5884	20
	3 Bromomethane	94	1.131	1.131	(0.310)	127921	22.4727	22
	5 Chloroethane	64	1.181	1.174	(0.323)	165250	21.2838	21
	9 Trichlorofluoromethane	101	1.303	1.303	(0.357)	313778	20.0535	20
	121 n-Pentane	72	1.346	1.339	(0.368)	45308	24.8283	25
	127 Ethanol	46	1.410	1.410	(0.386)	118113	2811.93	2800
	46 Ethyl Ether	59	1.453	1.453	(0.398)	130500	20.1956	20
	119 Isoprene	67	1.468	1.460	(0.402)	297722	20.9698	21
	47 Acrolein	56	1.525	1.518	(0.418)	313122	317.311	320
	10 1,1-Dichloroethene	96	1.575	1.575	(0.431)	151301	18.8803	19
	48 Freon TF	101	1.575	1.575	(0.431)	184196	21.1771	21

Data File: /chem/VOAMS12.i/8260L_10/10-05-11/07oct11.b/o52474.d
Report Date: 07-Oct-2011 05:03

		QUANT SIG					CONCENTRATIONS ON-COLUMN	FINAL
	Compounds	MASS	RT	EXP RT	REL RT	RESPONSE	(ug/L)	(ug/Kg)
	7 Acetone	43	1.611	1.611	(0.441)	50936	23.6815	24
	142 Iodomethane	142	1.661	1.661	(0.455)	237160	20.1516	20
	8 Carbon Disulfide	76	1.690	1.690	(0.463)	532036	18.5777	18
	50 Acetonitrile	41	1.761	1.761	(0.482)	314892	356.486	360
	125 Methyl acetate	74	1.797	1.790	(0.492)	30691	18.9121	19
	6 Methylene Chloride	84	1.847	1.847	(0.506)	163323	20.5720	20
	51 TBA	59	1.933	1.933	(0.529)	303063	404.249	400
	52 Acrylonitrile	53	1.998	1.998	(0.547)	370476	156.279	160
	12 trans-1,2-Dichloroethene	96	2.012	2.012	(0.551)	168600	19.1532	19
	53 MTBE	73	2.019	2.019	(0.553)	435025	20.0205	20
	54 Hexane	56	2.191	2.191	(0.600)	164688	19.0313	19
	11 1,1-Dichloroethane	63	2.284	2.284	(0.625)	334177	20.0242	20
	57 Vinyl Acetate	43	2.342	2.342	(0.641)	442550	20.0705	20
	55 DIPE	45	2.342	2.342	(0.641)	623386	20.5898	20
	149 tert-Butyl ethyl ether	59	2.599	2.599	(0.712)	528567	20.1998	20
	104 2,2-Dichloropropane	77	2.693	2.692	(0.737)	301565	20.3953	20
	13 cis-1,2-Dichloroethene	96	2.693	2.692	(0.737)	181847	20.0441	20
	18 2-Butanone	72	2.721	2.714	(0.745)	16294	21.9925	22
	56 Ethyl Acetate	70	2.771	2.771	(0.759)	20785	35.0552	35
	108 Bromochloromethane	128	2.879	2.879	(0.788)	70347	18.8641	19
	15 Chloroform	83	2.950	2.943	(0.808)	273389	19.5388	20
	20 1,1,1-Trichloroethane	97	3.079	3.079	(0.843)	255850	18.5325	18
	59 Cyclohexane	56	3.122	3.122	(0.855)	328406	19.5081	20
	21 Carbon Tetrachloride	117	3.215	3.215	(0.880)	203976	18.2255	18
	92 1,1-Dichloropropene	75	3.223	3.223	(0.882)	240974	18.2900	18
$	16 1,2-Dichloroethane-d4 (SUR)	65	3.352	3.352	(0.918)	266535	56.1465	56
	28 Benzene	78	3.395	3.394	(0.929)	653451	19.4488	19
	17 1,2-Dichloroethane	62	3.416	3.416	(0.935)	188942	20.0697	20
	61 Isopropyl Acetate	43	3.509	3.509	(0.961)	609147	37.9540	38
	140 tert-Amylmethyl Ether	73	3.523	3.523	(0.965)	402889	19.2463	19
*	69 Fluorobenzene	96	3.652	3.652	(1.000)	1168734	50.0000	
	156 2,4,4-Trimethyl-1-pentene	112	3.968	3.968	(1.086)	76365	20.7626	21
	25 Trichloroethene	95	4.003	4.003	(1.096)	169271	19.3262	19
	63 n-Butanol	43	4.032	4.032	(1.104)	160806	1360.59	1400
	126 Methyl cyclohexane	83	4.182	4.182	(1.145)	326322	18.9764	19
	23 1,2-Dichloropropane	63	4.225	4.225	(1.157)	166729	19.2652	19
	109 Dibromomethane	93	4.340	4.340	(1.188)	77944	18.7984	19
	95 1,4-Dioxane	88	4.390	4.390	(1.202)	10531	143.895	140
	146 Methyl methacrylate	69	4.397	4.397	(1.204)	80738	19.9290	20
	64 Propyl Acetate	43	4.483	4.476	(1.227)	341164	36.9463	37
	22 Bromodichloromethane	83	4.526	4.526	(1.239)	191391	18.7648	19
	30 2-Chloroethyl Vinyl Ether	63	4.899	4.899	(1.341)	91280	19.9816	20
	118 Epichlorohydrin	57	4.949	4.949	(1.355)	215478	347.090	350
	24 cis-1,3-Dichloropropene	75	5.035	5.035	(1.379)	245190	19.3100	19
	33 4-Methyl-2-Pentanone	43	5.250	5.250	(1.437)	115268	19.3732	19
$	37 Toluene-d8 (SUR)	98	5.336	5.336	(0.740)	1029180	55.6058	56
	38 Toluene	91	5.415	5.414	(0.751)	727274	21.3666	21

Data File: /chem/VOAMS12.i/8260L_10/10-05-11/07oct11.b/o52474.d
Report Date: 07-Oct-2011 05:03

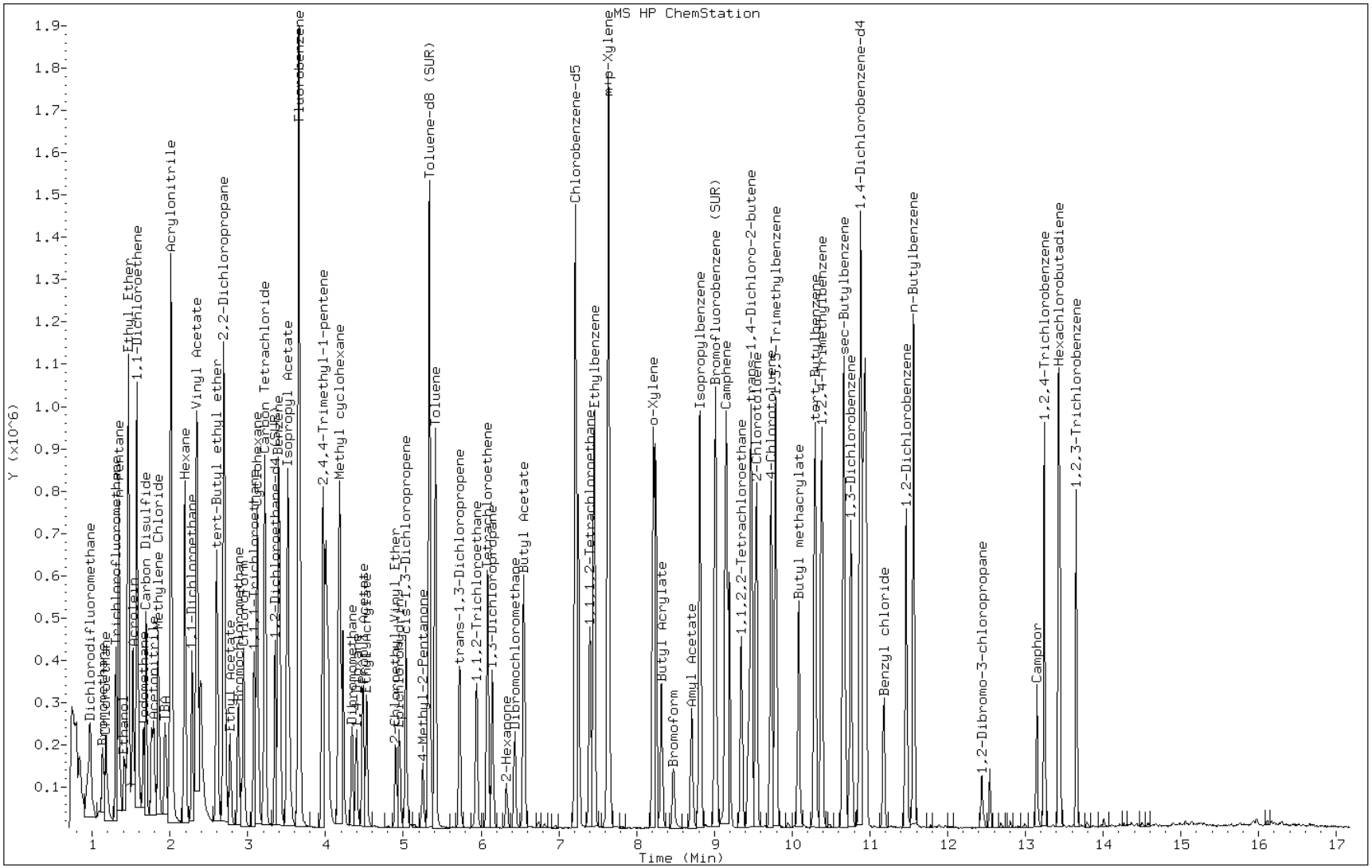
	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/L)	FINAL (ug/Kg)
	29 trans-1,3-Dichloropropene	75	5.723	5.722	(0.793)	209751	18.1015	18
	27 1,1,2-Trichloroethane	83	5.945	5.945	(0.824)	98474	19.2060	19
	35 Tetrachloroethene	166	6.088	6.081	(0.844)	208357	19.1767	19
	103 1,3-Dichloropropane	76	6.145	6.145	(0.852)	209243	19.0388	19
	34 2-Hexanone	43	6.324	6.324	(0.877)	82736	18.7663	19
	26 Dibromochloromethane	129	6.432	6.432	(0.892)	125617	16.7033	17
	65 Butyl Acetate	43	6.546	6.546	(0.908)	387699	36.3383	36
	66 1,2-Dibromoethane	107	6.546	6.546	(0.908)	113680	18.8610	19
*	32 Chlorobenzene-d5	117	7.212	7.212	(1.000)	902050	50.0000	
	39 Chlorobenzene	112	7.255	7.255	(1.006)	455687	18.9992	19
	97 1,1,1,2-Tetrachloroethane	131	7.399	7.399	(1.026)	149673	17.6186	18
	40 Ethylbenzene	106	7.456	7.456	(1.034)	254552	18.4616	18
	43 m+p-Xylene	106	7.635	7.635	(1.059)	625132	36.8906	37
	44 o-Xylene	106	8.215	8.215	(1.139)	295902	18.2342	18
	42 Styrene	104	8.244	8.244	(1.143)	501248	18.5123	18
	147 Butyl Acrylate	55	8.323	8.323	(0.765)	270638	19.3225	19
	31 Bromoform	173	8.473	8.473	(1.175)	75038	15.3159	15
	145 Amyl Acetate	43	8.710	8.709	(1.208)	207869	28.4046	28
	110 Isopropylbenzene	105	8.817	8.817	(1.222)	833735	19.5018	20
$	41 Bromofluorobenzene (SUR)	174	9.018	9.017	(0.829)	368022	54.4450	54
	150 Camphene	41	9.146	9.146	(0.841)	116297	22.3920	22
	107 Bromobenzene	156	9.197	9.197	(0.845)	190701	18.8888	19
	36 1,1,2,2-Tetrachloroethane	83	9.340	9.347	(0.858)	144434	18.7273	19
	99 1,2,3-Trichloropropane	110	9.354	9.354	(0.860)	41640	19.2092	19
	143 trans-1,4-Dichloro-2-butene	53	9.433	9.433	(2.583)	50766	20.6656	21
	112 n-Propylbenzene	91	9.469	9.469	(0.870)	1024517	19.3245	19
	105 2-Chlorotoluene	91	9.540	9.540	(0.877)	550679	18.8733	19
	106 4-Chlorotoluene	91	9.727	9.727	(0.894)	568350	19.0269	19
	102 1,3,5-Trimethylbenzene	105	9.791	9.791	(0.900)	673519	19.2730	19
	148 Butyl methacrylate	69	10.085	10.085	(0.927)	227882	18.5620	18
	115 tert-Butylbenzene	119	10.293	10.300	(0.946)	609300	18.9517	19
	100 1,2,4-Trimethylbenzene	105	10.378	10.378	(0.954)	665309	18.7579	19
	114 sec-Butylbenzene	105	10.665	10.665	(0.980)	931107	19.2374	19
	67 1,3-Dichlorobenzene	146	10.758	10.758	(0.989)	368203	18.8594	19
*	91 1,4-Dichlorobenzene-d4	152	10.880	10.880	(1.000)	451722	50.0000	
	68 1,4-Dichlorobenzene	146	10.916	10.916	(1.003)	368419	18.9813	19
	113 p-Isopropyltoluene	119	10.944	10.944	(1.006)	770837	19.3493	19
	69 1,2-Dichlorobenzene	146	11.467	11.467	(1.054)	327413	18.7961	19
	117 Benzyl chloride	91	11.181	11.181	(1.028)	242917	15.6127	16
	111 n-Butylbenzene	91	11.560	11.560	(1.063)	737049	19.8214	20
	101 1,2-Dibromo-3-chloropropane	75	12.434	12.434	(1.143)	22707	17.1229	17
	152 Camphor	95	13.151	13.151	(1.209)	67083	89.7057	90
	93 1,2,4-Trichlorobenzene	180	13.244	13.244	(1.217)	240851	18.0248	18
	94 Hexachlorobutadiene	225	13.430	13.430	(1.234)	166198	17.0362	17
	70 Naphthalene	128	13.444	13.444	(1.236)	413262	17.8885	18
	98 1,2,3-Trichlorobenzene	180	13.659	13.659	(1.255)	204066	17.8040	18
M	45 Xylene (Total)	100				921034	55.1309	55

Data File: o52474.d

Date: 07-OCT-2011 04:43

Client ID: Instrument: VOAMS12.i

Sample Info: LCSD Operator: VOAMS 9



GC/MS VOA ANALYSIS RUN LOG

Lab Name: TestAmerica Edison Job No.: 510-70378-1

SDG No.: 0058-373-01

Instrument ID: VOAMS12 Start Date: 10/05/2011 05:53

Analysis Batch Number: 88343 End Date: 10/05/2011 16:44

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
BFB 460-88343/1		10/05/2011 05:53	1	o52391.d	DB-624 0.18(mm)
ICIS 460-88343/4		10/05/2011 06:28	1	o52392.d	DB-624 0.18(mm)
IC 460-88343/2		10/05/2011 07:19	1	o52394.d	DB-624 0.18(mm)
IC 460-88343/3		10/05/2011 08:09	1	o52396.d	DB-624 0.18(mm)
IC 460-88343/5		10/05/2011 09:25	1	o52399.d	DB-624 0.18(mm)
IC 460-88343/6		10/05/2011 09:50	1	o52400.d	DB-624 0.18(mm)
IC 460-88343/7		10/05/2011 10:16	1	o52401.d	DB-624 0.18(mm)
ZZZZZ		10/05/2011 11:31	1		DB-624 0.18(mm)
ZZZZZ		10/05/2011 11:57	1		DB-624 0.18(mm)
ZZZZZ		10/05/2011 12:57	1		DB-624 0.18(mm)
ZZZZZ		10/05/2011 13:22	1		DB-624 0.18(mm)
ZZZZZ		10/05/2011 13:47	1		DB-624 0.18(mm)
ZZZZZ		10/05/2011 14:38	1		DB-624 0.18(mm)
ZZZZZ		10/05/2011 15:03	1		DB-624 0.18(mm)
ZZZZZ		10/05/2011 15:28	1		DB-624 0.18(mm)
ZZZZZ		10/05/2011 15:53	1		DB-624 0.18(mm)
ZZZZZ		10/05/2011 16:18	1		DB-624 0.18(mm)
ZZZZZ		10/05/2011 16:44	1		DB-624 0.18(mm)

GC/MS VOA ANALYSIS RUN LOG

Lab Name: TestAmerica Edison Job No.: 510-70378-1

SDG No.: 0058-373-01

Instrument ID: VOAMS12 Start Date: 10/07/2011 03:18

Analysis Batch Number: 88716 End Date: 10/07/2011 16:15

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
BFB 460-88716/1		10/07/2011 03:18	1	o52471.d	DB-624 0.18(mm)
CCVIS 460-88716/2		10/07/2011 03:53	1	o52472.d	DB-624 0.18(mm)
LCS 460-88716/3		10/07/2011 04:18	1	o52473.d	DB-624 0.18(mm)
LCSD 460-88716/4		10/07/2011 04:43	1	o52474.d	DB-624 0.18(mm)
MB 460-88716/5		10/07/2011 06:09	1	o52477.d	DB-624 0.18(mm)
ZZZZZ		10/07/2011 06:34	1		DB-624 0.18(mm)
ZZZZZ		10/07/2011 06:59	1		DB-624 0.18(mm)
510-70378-1	Foundry Fill #1	10/07/2011 07:25	1	o52480.d	DB-624 0.18(mm)
510-70378-2	Foundry Fill #2	10/07/2011 07:50	1	o52481.d	DB-624 0.18(mm)
ZZZZZ		10/07/2011 08:15	1		DB-624 0.18(mm)
ZZZZZ		10/07/2011 08:40	1		DB-624 0.18(mm)
ZZZZZ		10/07/2011 09:06	1		DB-624 0.18(mm)
ZZZZZ		10/07/2011 09:31	1		DB-624 0.18(mm)
ZZZZZ		10/07/2011 09:56	1		DB-624 0.18(mm)
ZZZZZ		10/07/2011 10:21	1		DB-624 0.18(mm)
ZZZZZ		10/07/2011 10:46	1		DB-624 0.18(mm)
ZZZZZ		10/07/2011 11:12	1		DB-624 0.18(mm)
ZZZZZ		10/07/2011 11:37	1		DB-624 0.18(mm)
ZZZZZ		10/07/2011 12:02	1		DB-624 0.18(mm)
ZZZZZ		10/07/2011 12:28	1		DB-624 0.18(mm)
ZZZZZ		10/07/2011 12:53	1		DB-624 0.18(mm)
ZZZZZ		10/07/2011 13:18	1		DB-624 0.18(mm)
ZZZZZ		10/07/2011 13:43	1		DB-624 0.18(mm)
ZZZZZ		10/07/2011 14:08	1		DB-624 0.18(mm)
ZZZZZ		10/07/2011 14:33	1		DB-624 0.18(mm)
ZZZZZ		10/07/2011 14:58	1		DB-624 0.18(mm)
ZZZZZ		10/07/2011 16:15	1		DB-624 0.18(mm)

GC/MS VOA BATCH WORKSHEET

Lab Name: TestAmerica Edison Job No.: 510-70378-1

SDG No.: 0058-373-01

Batch Number: 88431 Batch Start Date: 10/05/11 19:24 Batch Analyst: Jin, Fangzhou

Batch Method: 5035 Batch End Date: 10/05/11 19:31

Lab Sample ID	Client Sample ID	Method Chain	Basis	TareWeight	Vial&SampleWt	InitialAmount	FinalAmount		
510-70378-A-1	Foundry Fill #1	5035, 8260B	T	32.392 g	37.82 g	5.428 g	5 mL		
510-70378-A-2	Foundry Fill #2	5035, 8260B	T	32.212 g	36.64 g	4.428 g	5 mL		

Batch Notes	

Basis	Basis Description
T	Total/NA

Method 8270C

Semivolatile Organic Compounds (GC/MS) by Method 8270C

FORM II
GC/MS SEMI VOA SURROGATE RECOVERY

Lab Name: TestAmerica Valparaiso Job No.: 510-70378-1

SDG No.: 0058-373-01

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 #
Foundry Fill #1	510-70378-1	73	74	68	73	66	65
Foundry Fill #2	510-70378-2	32	39	37	42	41	49
	MB 510-87346/1-A	66	77	64	62	62	66
	LCS 510-87346/2-A	75	79	58	66	66	64

	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.: 510-70378-1

SDG No.: 0058-373-01

Matrix: Solid Level: Low Lab File ID: D1684.D

Lab ID: LCS 510-87346/2-A Client ID:

COMPOUND	SPIKE ADDED (mg/Kg)	LCS CONCENTRATION (mg/Kg)	LCS % REC	QC LIMITS REC	#
Benzoic acid	1.67	<1.7	49	10-150	
Bis(2-chloroethoxy)methane	1.67	1.19	72	40-124	
Bis(2-chloroethyl)ether	1.67	1.22	73	21-120	
Bis(2-chloroisopropyl) ether	1.67	1.29	77	10-150	
Bis(2-ethylhexyl) phthalate	1.67	1.38	83	61-133	
4-Bromophenyl phenyl ether	1.67	1.30	78	62-135	
Butyl benzyl phthalate	1.67	1.41	84	61-135	
Carbazole	1.67	1.59	96	44-134	
4-Chloro-3-methylphenol	1.67	1.05	63	29-126	
2-Chloronaphthalene	1.67	1.33	80	38-103	
2-Chlorophenol	1.67	1.31	78	27-119	
4-Chlorophenyl phenyl ether	1.67	1.25	75	67-116	
Dibenzofuran	1.67	1.37	82	54-105	
Dibutylphthalate	1.67	1.58	95	50-148	
1,2-Dichlorobenzene	1.67	1.10	66	25-100	
1,3-Dichlorobenzene	1.67	1.43	86	32-91	
1,4-Dichlorobenzene	1.67	1.13	68	29-109	
2,4-Dichlorophenol	1.67	1.42	85	31-99	
Diethyl phthalate	1.67	1.33	80	65-131	
2,4-Dimethylphenol	1.67	1.05	63	27-95	
Dimethyl phthalate	1.67	1.33	80	65-119	
4,6-Dinitro-2-methylphenol	1.67	1.53	92	10-150	
2,4-Dinitrophenol	1.67	<1.7	64	10-150	
2,4-Dinitrotoluene	1.67	1.41	85	52-124	
2,6-Dinitrotoluene	1.67	1.30	78	52-114	
Di-n-octyl phthalate	1.67	1.71	103	56-162	
Hexachlorobenzene	1.67	1.38	83	48-119	
Hexachloro-1,3-butadiene	1.67	0.800	48	10-150	
Hexachlorocyclopentadiene	1.67	0.737	44	10-150	
Hexachloroethane	1.67	1.04	62	10-150	
Isophorone	1.67	1.13	68	33-111	
2-Methylnaphthalene	1.67	1.05	63	25-112	
2-Methylphenol	1.67	1.25	75	28-106	
3 & 4 Methylphenol	1.67	1.26	76	34-112	
2-Nitroaniline	1.67	1.39	83	50-117	
3-Nitroaniline	1.67	1.46	87	10-150	
4-Nitroaniline	1.67	1.68	101	10-150	
Nitrobenzene	1.67	1.10	66	10-150	
2-Nitrophenol	1.67	1.14	68	24-108	
4-Nitrophenol	1.67	<1.7	65	19-152	
N-Nitrosodimethylamine	1.67	1.51	91	24-112	
N-Nitrosodi-n-propylamine	1.67	1.09	66	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.: 510-70378-1

SDG No.: 0058-373-01

Matrix: Solid Level: Low Lab File ID: D1684.D

Lab ID: LCS 510-87346/2-A Client ID:

COMPOUND	SPIKE ADDED (mg/Kg)	LCS CONCENTRATION (mg/Kg)	LCS % REC	QC LIMITS REC	#
N-Nitrosodiphenylamine	1.67	1.41	85	46-162	
p-Chloroaniline	1.67	1.24	74	10-150	
Pentachlorophenol	1.67	1.46	88	11-128	
Phenol	1.67	1.41	84	23-120	
1,2,4-Trichlorobenzene	1.67	0.967	58	35-116	
2,4,5-Trichlorophenol	1.67	1.24	75	38-108	
2,4,6-Trichlorophenol	1.67	1.29	77	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.: 510-70378-1

SDG No.: 0058-373-01

Lab File ID: D1683.D Lab Sample ID: MB 510-87346/1-A

Matrix: Solid Date Extracted: 09/29/2011 08:23

Instrument ID: SMSA Date Analyzed: 10/01/2011 21:17

Level:(Low/Med) Low

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES:

CLIENT SAMPLE ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
	LCS 510-87346/2-A	D1684.D	10/01/2011 21:35
Foundry Fill #1	510-70378-1	D1701.D	10/02/2011 02:48
Foundry Fill #2	510-70378-2	D1702.D	10/02/2011 03:07

FORM V
GC/MS SEMI VOA INSTRUMENT PERFORMANCE CHECK
DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Lab Name: TestAmerica Valparaiso Job No.: 510-70378-1

SDG No.: 0058-373-01

Lab File ID: D1600.D DFTPP Injection Date: 09/29/2011

Instrument ID: SMSA DFTPP Injection Time: 10:36

Analysis Batch No.: 87354

M/E	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE	
51	30.0 - 60.0 % of mass 198	39.5	
68	Less than 2.0 % of mass 69	0.0	(0.0)1
69	Mass 69 relative abundance	48.1	
70	Less than 2.0 % of mass 69	0.1	(0.2)1
127	40.0 - 60.0 % of mass 198	51.7	
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	6.6	
275	10.0 - 30.0 % of mass 198	25.8	
365	Greater than 1.0 % of mass 198	2.9	
441	Present but less than mass 443	7.6	
442	Greater than 40.0 % of mass 198	48.3	
443	17.0 - 23.0 % of mass 442	9.0	(18.7)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 510-87354/2	D1601.D	09/29/2011	10:51
	SSTD010 510-87354/3	D1602.D	09/29/2011	11:10
	SSTD020 510-87354/4	D1603.D	09/29/2011	11:29
	SSTD030 510-87354/5	D1604.D	09/29/2011	11:48
	SSTD040 510-87354/6	D1605.D	09/29/2011	12:07
	SSTD050 510-87354/7	D1606.D	09/29/2011	12:26
	SSTD060 510-87354/8	D1607.D	09/29/2011	12:46
	SSTD080 510-87354/9	D1608.D	09/29/2011	13:05
	SSTD100 510-87354/10	D1609.D	09/29/2011	13:24
	SSTD120 510-87354/11	D1610.D	09/29/2011	13:43

FORM V
GC/MS SEMI VOA INSTRUMENT PERFORMANCE CHECK
DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Lab Name: TestAmerica Valparaiso Job No.: 510-70378-1

SDG No.: 0058-373-01

Lab File ID: D1680.D DFTPP Injection Date: 10/01/2011

Instrument ID: SMSA DFTPP Injection Time: 20:25

Analysis Batch No.: 87497

M/E	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE	
51	30.0 - 60.0 % of mass 198	40.2	
68	Less than 2.0 % of mass 69	0.0	(0.0)1
69	Mass 69 relative abundance	49.0	
70	Less than 2.0 % of mass 69	0.0	(0.1)1
127	40.0 - 60.0 % of mass 198	51.6	
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	7.8	
275	10.0 - 30.0 % of mass 198	25.8	
365	Greater than 1.0 % of mass 198	2.5	
441	Present but less than mass 443	9.9	
442	Greater than 40.0 % of mass 198	58.1	
443	17.0 - 23.0 % of mass 442	11.3	(19.4)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
	SSTD050 510-87497/2	D1681.D	10/01/2011	20:40
	MB 510-87346/1-A	D1683.D	10/01/2011	21:17
	LCS 510-87346/2-A	D1684.D	10/01/2011	21:35
Foundry Fill #1	510-70378-1	D1701.D	10/02/2011	02:48
Foundry Fill #2	510-70378-2	D1702.D	10/02/2011	03:07

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

Lab Name: TestAmerica Valparaiso Job No.: 510-70378-1

SDG No.: 0058-373-01

Sample No.: SSTD050 510-87497/2 Date Analyzed: 10/01/2011 20:40

Instrument ID: SMSA GC Column: 8270/625 ID: 0.25(mm)

Lab File ID (Standard): D1681.D Heated Purge: (Y/N) N

Calibration ID: 4285

		DCB		NPT		ANT	
		AREA #	RT #	AREA #	RT #	AREA #	RT #
12/24 HOUR STD		281859	3.74	849691	4.92	504775	6.75
UPPER LIMIT		563718	4.24	1699382	5.42	1009550	7.25
LOWER LIMIT		140930	3.24	424846	4.42	252388	6.25
LAB SAMPLE ID	CLIENT SAMPLE ID						
MB 510-87346/1-A		243640	3.74	797544	4.92	490006	6.74
LCS 510-87346/2-A		197613	3.74	589334	4.92	270647	6.74
510-70378-1	Foundry Fill #1	228432	3.74	686430	4.92	355109	6.74
510-70378-2	Foundry Fill #2	231904	3.74	623322	4.92	324105	6.74

DCB = 1,4-Dichlorobenzene-d4
NPT = Naphthalene-d8
ANT = Acenaphthene-d10

Area Limit = 50%-200% of internal standard area
RT Limit = ± 0.5 minutes of internal standard RT

Column used to flag values outside QC limits

FORM VIII 8270C

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

Lab Name: TestAmerica Valparaiso Job No.: 510-70378-1

SDG No.: 0058-373-01

Sample No.: SSTD050 510-87497/2 Date Analyzed: 10/01/2011 20:40

Instrument ID: SMSA GC Column: 8270/625 ID: 0.25(mm)

Lab File ID (Standard): D1681.D Heated Purge: (Y/N) N

Calibration ID: 4285

		PHN		CRY		PRY	
		AREA #	RT #	AREA #	RT #	AREA #	RT #
12/24 HOUR STD		761284	8.16	696389	10.26	716872	11.30
UPPER LIMIT		1522568	8.66	1392778	10.76	1433744	11.80
LOWER LIMIT		380642	7.66	348195	9.76	358436	10.80
LAB SAMPLE ID	CLIENT SAMPLE ID						
MB 510-87346/1-A		727365	8.16	683299	10.26	526992	11.31
LCS 510-87346/2-A		416779	8.16	423903	10.26	303540*	11.30
510-70378-1	Foundry Fill #1	504119	8.16	408016	10.26	313041*	11.31
510-70378-2	Foundry Fill #2	470596	8.16	403508	10.27	295040*	11.32

PHN = Phenanthrene-d10
CRY = Chrysene-d12
PRY = Perylene-d12

Area Limit = 50%-200% of internal standard area
RT Limit = ± 0.5 minutes of internal standard RT

Column used to flag values outside QC limits

FORM VIII 8270C

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Valparaiso | Job No.: 510-70378-1

SDG No.: 0058-373-01

Client Sample ID: Foundry Fill #1 | Lab Sample ID: 510-70378-1

Matrix: Solid | Lab File ID: D1701.D

Analysis Method: 8270C | Date Collected: 09/23/2011 09:00

Extract. Method: 3541 | Date Extracted: 09/29/2011 08:23

Sample wt/vol: 30.22(g) | Date Analyzed: 10/02/2011 02:48

Con. Extract Vol.: 1(mL) | Dilution Factor: 1

Injection Volume: 1(uL) | Level: (low/med) Low

% Moisture: 5.8 | GPC Cleanup:(Y/N) N

Analysis Batch No.: 87497 | Units: mg/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
65-85-0	Benzoic acid	<1.7		1.7	0.74
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	0.064
39638-32-9	Bis(2-chloroisopropyl) ether	<0.35		0.35	0.059
117-81-7	Bis(2-ethylhexyl) phthalate	<0.70		0.70	0.11
101-55-3	4-Bromophenyl phenyl ether	<0.35		0.35	0.049
85-68-7	Butyl benzyl phthalate	<0.35		0.35	0.042
86-74-8	Carbazole	<0.35		0.35	0.050
59-50-7	4-Chloro-3-methylphenol	<0.35		0.35	0.043
91-58-7	2-Chloronaphthalene	<0.35		0.35	0.033
95-57-8	2-Chlorophenol	<0.35		0.35	0.063
7005-72-3	4-Chlorophenyl phenyl ether	<0.35		0.35	0.032
132-64-9	Dibenzofuran	<0.35		0.35	0.021
84-74-2	Dibutylphthalate	<0.35		0.35	0.15
95-50-1	1,2-Dichlorobenzene	<0.35		0.35	0.074
541-73-1	1,3-Dichlorobenzene	<0.35		0.35	0.079
106-46-7	1,4-Dichlorobenzene	<0.35		0.35	0.080
91-94-1	3,3'-Dichlorobenzidine	<0.70		0.70	0.032
120-83-2	2,4-Dichlorophenol	<0.35		0.35	0.045
84-66-2	Diethyl phthalate	<0.35		0.35	0.037
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	<0.70		0.70	0.068
51-28-5	2,4-Dinitrophenol	<1.7		1.7	0.026
121-14-2	2,4-Dinitrotoluene	<0.35		0.35	0.064
606-20-2	2,6-Dinitrotoluene	<0.35		0.35	0.054
117-84-0	Di-n-octyl phthalate	<0.35		0.35	0.033
118-74-1	Hexachlorobenzene	<0.35		0.35	0.022
87-68-3	Hexachloro-1,3-butadiene	<0.35		0.35	0.050
77-47-4	Hexachlorocyclopentadiene	<0.35		0.35	0.11
67-72-1	Hexachloroethane	<0.35		0.35	0.072
78-59-1	Isophorone	<0.35		0.35	0.032
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.: 510-70378-1

SDG No.: 0058-373-01

Client Sample ID: Foundry Fill #1 | Lab Sample ID: 510-70378-1

Matrix: Solid | Lab File ID: D1701.D

Analysis Method: 8270C | Date Collected: 09/23/2011 09:00

Extract. Method: 3541 | Date Extracted: 09/29/2011 08:23

Sample wt/vol: 30.22(g) | Date Analyzed: 10/02/2011 02:48

Con. Extract Vol.: 1(mL) | Dilution Factor: 1

Injection Volume: 1(uL) | Level: (low/med) Low

% Moisture: 5.8 | GPC Cleanup:(Y/N) N

Analysis Batch No.: 87497 | Units: mg/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
95-48-7	2-Methylphenol	<0.35		0.35	0.045
15831-10-4	3 & 4 Methylphenol	<0.35		0.35	0.038
88-74-4	2-Nitroaniline	<0.70		0.70	0.070
99-09-2	3-Nitroaniline	<0.70		0.70	0.072
100-01-6	4-Nitroaniline	<0.70		0.70	0.063
98-95-3	Nitrobenzene	<0.35		0.35	0.046
88-75-5	2-Nitrophenol	<0.35		0.35	0.059
100-02-7	4-Nitrophenol	<1.7		1.7	0.085
62-75-9	N-Nitrosodimethylamine	<0.35		0.35	0.069
621-64-7	N-Nitrosodi-n-propylamine	<0.35		0.35	0.034
86-30-6	N-Nitrosodiphenylamine	<0.35		0.35	0.067
106-47-8	p-Chloroaniline	<0.35		0.35	0.034
87-86-5	Pentachlorophenol	<0.70		0.70	0.062
108-95-2	Phenol	<0.35		0.35	0.056
120-82-1	1,2,4-Trichlorobenzene	<0.35		0.35	0.045
95-95-4	2,4,5-Trichlorophenol	<0.35		0.35	0.090
88-06-2	2,4,6-Trichlorophenol	<0.35		0.35	0.097

CAS NO.	SURROGATE	%REC	Q	LIMITS
321-60-8	2-Fluorobiphenyl	73		14-104
367-12-4	2-Fluorophenol	73		10-102
4165-60-0	Nitrobenzene-d5	68		10-105
4165-62-2	Phenol-d5	74		10-94
1718-51-0	Terphenyl-d14	65		31-119
118-79-6	2,4,6-Tribromophenol	66		10-128

TestAmerica Laboratories
Target Compound Quantitation Report

Data File:	\\Valsvr08\ChromData\SMSA\20111001-5647.b\D1701.D		
Lims ID:	510-70378-F-1-B	Client ID:	Foundry Fill #1
Inject. Date:	02-Oct-2011 02:48:30	Dil. Factor:	1.0000
Sample Type:	Client		
Sample ID:	510-70378-1		
Misc. Info.:	510-0005647-022 =510-0005647-022		
Operator:	WDS	Instrument ID:	SMSA
Vol. Injected:	1.0000	ALS Bottle#:	22
Lims Batch ID:	87497	Lims Sample ID:	22
Detector:	MS SCAN		
Method:	\\Valsvr08\ChromData\SMSA\20111001-5647.b\8270C_SMSA.m		
Last Update:	02-Oct-2011 19:17:41	Calib Date:	29-Sep-2011 13:43:30
Quant Method:	Internal Standard	Quant By:	Initial Calibration
Last ICal File:	\\Valsvr08\ChromData\SMSA\20110929-5628.b\D1610.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:	02-Oct-2011 19:17:41

Compound	Sig	RT	EXP RT	DLT RT	Q	Response	On-Col Amt ug/ml	Flags
$ 32 2-Fluorophenol	112	2.723	2.728	-0.005	92	525130	72.8	
$ 34 Phenol-d5	99	3.460	3.465	-0.005	0	604729	74.5	
* 40 1,4-Dichlorobenzene-d4	152	3.743	3.743	0.0	97	228432	40.0	
$ 49 Nitrobenzene-d5	82	4.261	4.267	-0.006	87	293207	34.0	
* 57 Naphthalene-d8	136	4.919	4.919	0.0	99	686430	40.0	
62 2-Methylnaphthalene	141	5.602	5.602	0.0	74	20871	1.94	
$ 66 2-Fluorobiphenyl	172	5.992	5.992	0.0	98	479765	36.8	
* 73 Acenaphthene-d10	164	6.740	6.746	-0.006	90	355109	40.0	
$ 86 2,4,6-Tribromophenol	141	7.547	7.552	-0.005	74	51259	66.2	
* 90 Phenanthrene-d10	188	8.161	8.161	0.0	96	504119	40.0	
$ 98 Terphenyl-d14	244	9.459	9.459	0.0	97	335757	32.8	
* 103 Chrysene-d12	240	10.261	10.261	0.0	97	408016	40.0	
* 109 Perylene-d12	264	11.313	11.297	0.016	97	313041	40.0	s

QC Flag Legend

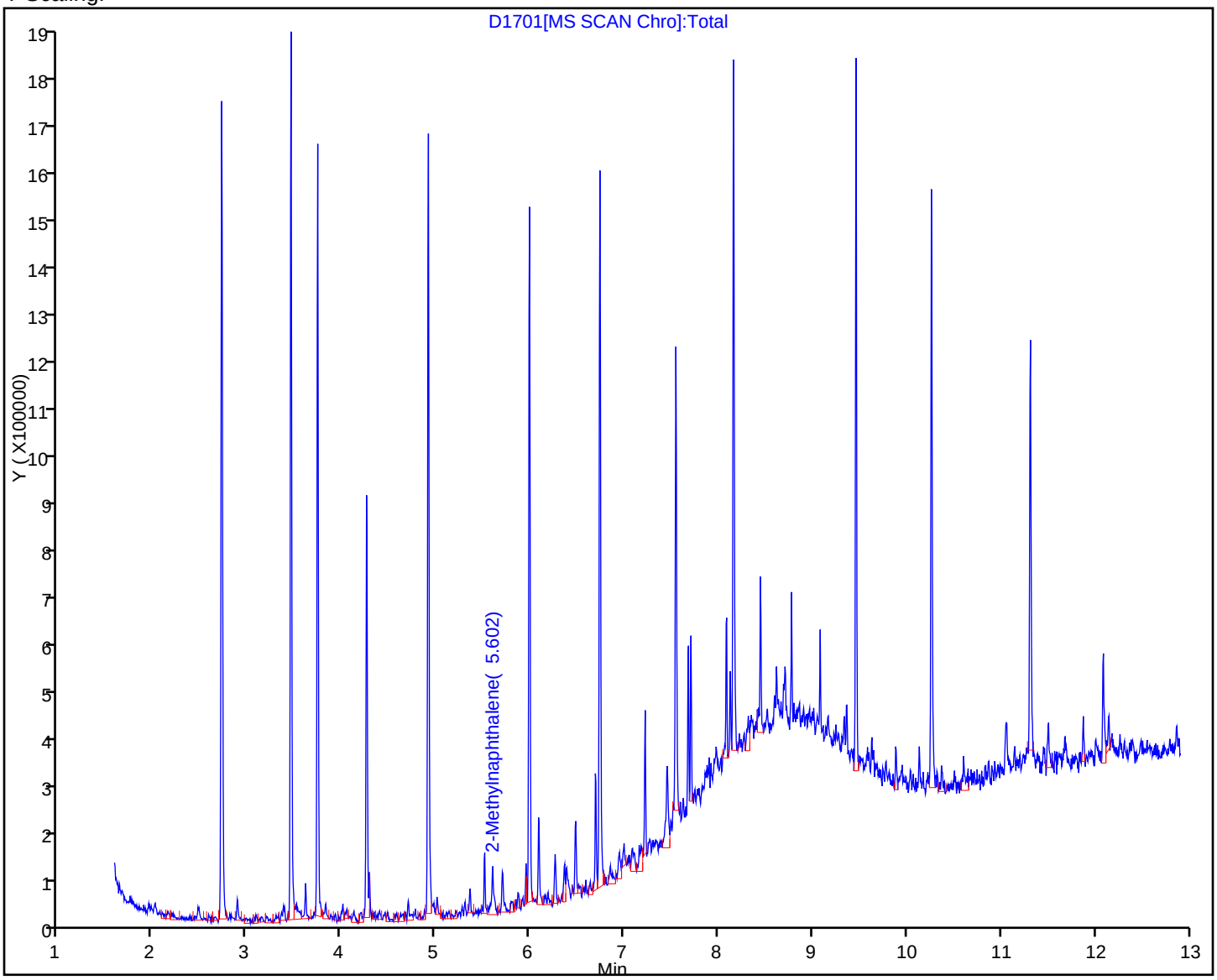
Processing Flags
s - Failed ISTD Recovery Test

Report Date: 02-Oct-2011 19:17:41 Chrom Revision: 1.2 13-Jul-2011 10:43:06

Data File: \\Valsvr08\ChromData\SMSA\20111001-5647.b\D1701.D

Injection Date:	02-Oct-2011 02:48:30	Limit Group:	SMS - 1 - 8270 SVOA Calibration
Client ID:	Foundry Fill #1	Instrument ID:	SMSA
Lims Batch ID:	87497	Lims Sample ID:	22
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.: 510-70378-1

SDG No.: 0058-373-01

Client Sample ID: Foundry Fill #2 | Lab Sample ID: 510-70378-2

Matrix: Solid | Lab File ID: D1702.D

Analysis Method: 8270C | Date Collected: 09/23/2011 09:15

Extract. Method: 3541 | Date Extracted: 09/29/2011 08:23

Sample wt/vol: 30.47(g) | Date Analyzed: 10/02/2011 03:07

Con. Extract Vol.: 1(mL) | Dilution Factor: 1

Injection Volume: 1(uL) | Level: (low/med) Low

% Moisture: 5.7 | GPC Cleanup:(Y/N) N

Analysis Batch No.: 87497 | Units: mg/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
65-85-0	Benzoic acid	<1.7		1.7	0.73
100-51-6	Benzyl alcohol	<0.34		0.34	0.044
111-91-1	Bis(2-chloroethoxy)methane	<0.34		0.34	0.033
111-44-4	Bis(2-chloroethyl)ether	<0.34		0.34	0.063
39638-32-9	Bis(2-chloroisopropyl) ether	<0.34		0.34	0.059
117-81-7	Bis(2-ethylhexyl) phthalate	<0.69		0.69	0.10
101-55-3	4-Bromophenyl phenyl ether	<0.34		0.34	0.049
85-68-7	Butyl benzyl phthalate	<0.34		0.34	0.042
86-74-8	Carbazole	<0.34		0.34	0.050
59-50-7	4-Chloro-3-methylphenol	<0.34		0.34	0.043
91-58-7	2-Chloronaphthalene	<0.34		0.34	0.033
95-57-8	2-Chlorophenol	<0.34		0.34	0.063
7005-72-3	4-Chlorophenyl phenyl ether	<0.34		0.34	0.032
132-64-9	Dibenzofuran	<0.34		0.34	0.020
84-74-2	Dibutylphthalate	<0.34		0.34	0.15
95-50-1	1,2-Dichlorobenzene	<0.34		0.34	0.073
541-73-1	1,3-Dichlorobenzene	<0.34		0.34	0.078
106-46-7	1,4-Dichlorobenzene	<0.34		0.34	0.079
91-94-1	3,3'-Dichlorobenzidine	<0.69		0.69	0.032
120-83-2	2,4-Dichlorophenol	<0.34		0.34	0.044
84-66-2	Diethyl phthalate	<0.34		0.34	0.037
105-67-9	2,4-Dimethylphenol	<0.34		0.34	0.039
131-11-3	Dimethyl phthalate	<0.34		0.34	0.032
534-52-1	4,6-Dinitro-2-methylphenol	<0.69		0.69	0.068
51-28-5	2,4-Dinitrophenol	<1.7		1.7	0.026
121-14-2	2,4-Dinitrotoluene	<0.34		0.34	0.063
606-20-2	2,6-Dinitrotoluene	<0.34		0.34	0.053
117-84-0	Di-n-octyl phthalate	<0.34		0.34	0.033
118-74-1	Hexachlorobenzene	<0.34		0.34	0.021
87-68-3	Hexachloro-1,3-butadiene	<0.34		0.34	0.049
77-47-4	Hexachlorocyclopentadiene	<0.34		0.34	0.10
67-72-1	Hexachloroethane	<0.34		0.34	0.072
78-59-1	Isophorone	<0.34		0.34	0.032
91-57-6	2-Methylnaphthalene	<0.34		0.34	0.029

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Valparaiso | Job No.: 510-70378-1

SDG No.: 0058-373-01

Client Sample ID: Foundry Fill #2 | Lab Sample ID: 510-70378-2

Matrix: Solid | Lab File ID: D1702.D

Analysis Method: 8270C | Date Collected: 09/23/2011 09:15

Extract. Method: 3541 | Date Extracted: 09/29/2011 08:23

Sample wt/vol: 30.47(g) | Date Analyzed: 10/02/2011 03:07

Con. Extract Vol.: 1(mL) | Dilution Factor: 1

Injection Volume: 1(uL) | Level: (low/med) Low

% Moisture: 5.7 | GPC Cleanup:(Y/N) N

Analysis Batch No.: 87497 | Units: mg/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
95-48-7	2-Methylphenol	<0.34		0.34	0.045
15831-10-4	3 & 4 Methylphenol	<0.34		0.34	0.038
88-74-4	2-Nitroaniline	<0.69		0.69	0.069
99-09-2	3-Nitroaniline	<0.69		0.69	0.071
100-01-6	4-Nitroaniline	<0.69		0.69	0.063
98-95-3	Nitrobenzene	<0.34		0.34	0.046
88-75-5	2-Nitrophenol	<0.34		0.34	0.058
100-02-7	4-Nitrophenol	<1.7		1.7	0.084
62-75-9	N-Nitrosodimethylamine	<0.34		0.34	0.068
621-64-7	N-Nitrosodi-n-propylamine	<0.34		0.34	0.033
86-30-6	N-Nitrosodiphenylamine	<0.34		0.34	0.066
106-47-8	p-Chloroaniline	<0.34		0.34	0.034
87-86-5	Pentachlorophenol	<0.69		0.69	0.062
108-95-2	Phenol	<0.34		0.34	0.055
120-82-1	1,2,4-Trichlorobenzene	<0.34		0.34	0.045
95-95-4	2,4,5-Trichlorophenol	<0.34		0.34	0.090
88-06-2	2,4,6-Trichlorophenol	<0.34		0.34	0.096

CAS NO.	SURROGATE	%REC	Q	LIMITS
321-60-8	2-Fluorobiphenyl	42		14-104
367-12-4	2-Fluorophenol	32		10-102
4165-60-0	Nitrobenzene-d5	37		10-105
4165-62-2	Phenol-d5	39		10-94
1718-51-0	Terphenyl-d14	49		31-119
118-79-6	2,4,6-Tribromophenol	41		10-128

TestAmerica Laboratories
Target Compound Quantitation Report

Data File:	\\Valsvr08\ChromData\SMSA\20111001-5647.b\D1702.D		
Lims ID:	510-70378-F-2-B	Client ID:	Foundry Fill #2
Inject. Date:	02-Oct-2011 03:07:30	Dil. Factor:	1.0000
Sample Type:	Client		
Sample ID:	510-70378-2		
Misc. Info.:	510-0005647-023 =510-0005647-023		
Operator:	WDS	Instrument ID:	SMSA
Vol. Injected:	1.0000	ALS Bottle#:	23
Lims Batch ID:	87497	Lims Sample ID:	23
Detector:	MS SCAN		
Method:	\\Valsvr08\ChromData\SMSA\20111001-5647.b\8270C_SMSA.m		
Last Update:	02-Oct-2011 19:17:41	Calib Date:	29-Sep-2011 13:43:30
Quant Method:	Internal Standard	Quant By:	Initial Calibration
Last ICal File:	\\Valsvr08\ChromData\SMSA\20110929-5628.b\D1610.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:	02-Oct-2011 19:18:21

Compound	Sig	RT	EXP RT	DLT RT	Q	Response	On-Col Amt ug/ml	Flags
$ 32 2-Fluorophenol	112	2.728	2.728	0.0	91	237516	32.4	
$ 34 Phenol-d5	99	3.460	3.465	-0.005	0	317836	38.6	
* 40 1,4-Dichlorobenzene-d4	152	3.743	3.743	0.0	97	231904	40.0	
$ 49 Nitrobenzene-d5	82	4.261	4.267	-0.006	86	143560	18.3	
* 57 Naphthalene-d8	136	4.919	4.919	0.0	99	623322	40.0	
62 2-Methylnaphthalene	141	5.602	5.602	0.0	82	28407	2.91	
$ 66 2-Fluorobiphenyl	172	5.992	5.992	0.0	97	247917	20.8	
* 73 Acenaphthene-d10	164	6.740	6.746	-0.006	95	324105	40.0	
77 Dibenzofuran	168	6.943	6.949	-0.006	73	14231	1.14	
$ 86 2,4,6-Tribromophenol	141	7.547	7.552	-0.005	74	29130	41.2	
* 90 Phenanthrene-d10	188	8.161	8.161	0.0	98	470596	40.0	
$ 98 Terphenyl-d14	244	9.459	9.459	0.0	97	249601	24.7	
* 103 Chrysene-d12	240	10.266	10.261	0.005	97	403508	40.0	
* 109 Perylene-d12	264	11.319	11.297	0.022	96	295040	40.0	s

QC Flag Legend

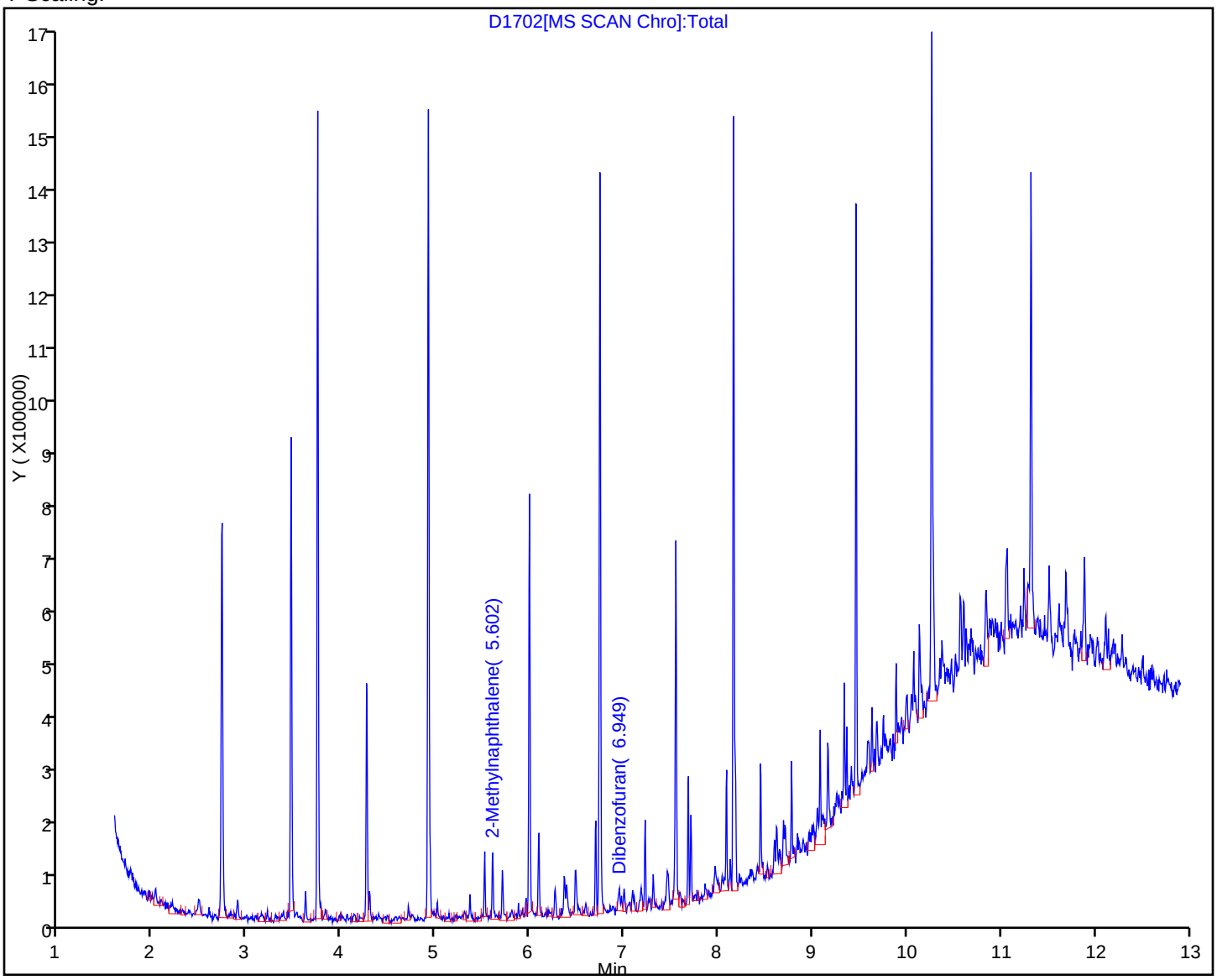
Processing Flags
s - Failed ISTD Recovery Test

Report Date: 02-Oct-2011 19:18:22 Chrom Revision: 1.2 13-Jul-2011 10:43:06

Data File: \\Valsvr08\ChromData\SMSA\20111001-5647.b\D1702.D

Injection Date:	02-Oct-2011 03:07:30	Limit Group:	SMS - 1 - 8270 SVOA Calibration
Client ID:	Foundry Fill #2	Instrument ID:	SMSA
Lims Batch ID:	87497	Lims Sample ID:	23
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.: 510-70378-1 Analy Batch No.: 87354

SDG No.: 0058-373-01

Instrument ID: SMSA GC Column: 8270/625 ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 09/29/2011 10:51 Calibration End Date: 09/29/2011 13:43 Calibration ID: 4285

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	SSTD005 510-87354/2	D1601.D
Level 2	SSTD010 510-87354/3	D1602.D
Level 3	SSTD020 510-87354/4	D1603.D
Level 4	SSTD030 510-87354/5	D1604.D
Level 5	SSTD040 510-87354/6	D1605.D
Level 6	SSTD050 510-87354/7	D1606.D
Level 7	SSTD060 510-87354/8	D1607.D
Level 8	SSTD080 510-87354/9	D1608.D
Level 9	SSTD100 510-87354/10	D1609.D
Level 10	SSTD120 510-87354/11	D1610.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	0.9840 0.7133	0.7752 0.8016	0.8830 0.7215	0.8080 0.7095	0.6976 0.7229	Ave		0.7817				12.0		15.0			
N-Nitrosodimethylamine	0.8584 0.8991	0.8420 0.8647	0.8912 0.9073	0.8631 0.8887	0.8205 0.8250	Ave		0.8660				3.5		15.0			
Pyridine	1.6649 1.6629	1.5296 1.6075	1.6562 1.5824	1.5706 1.5258	1.4531 1.4822	Ave		1.5735				4.8		15.0			
Phenol	1.7760 1.5812	1.6296 1.4064	1.6589 1.5003	1.5775 1.4607	1.6690 1.3810	Ave		1.5640				8.1		15.0			
Aniline	1.8278 1.1916	1.6163 1.3020	1.6513 1.4044	1.4136 1.2814	1.1790 1.1711	Ave		1.3243				12.0		15.0			
Bis(2-chloroethyl)ether	1.4757 1.1916	1.1968 1.0484	1.1578 1.1544	1.0887 1.1173	1.1530 1.1404	Ave		1.1724				9.9		15.0			
2-Chlorophenol	1.4262 1.2263	1.3395 1.0521	1.2990 1.1535	1.2136 1.1332	1.2749 1.0526	Ave		1.2171				10.0		15.0			
1,3-Dichlorobenzene	0.8199 0.8661	1.0155 0.8411	0.8146 0.7465	0.8850 0.7788	0.8888 0.6943	Ave		0.8351				11.0		15.0			
1,4-Dichlorobenzene	1.6663 1.5088	1.5448 1.4029	1.5332 1.3759	1.4892 1.3296	1.4337 1.3156	Ave		1.4600				7.5		15.0			
Benzyl alcohol	0.6804 0.7151	0.6282 0.5838	0.7094 0.6775	0.6141 0.6916	0.7004 0.6866	Ave		0.6687				6.6		15.0			
1,2-Dichlorobenzene	1.5663 1.4023	1.4294 1.3065	1.4548 1.3167	1.3983 1.2683	1.3597 1.2158	Ave		1.3718				7.4		15.0			
2-Methylphenol	1.2081 1.0241	0.9875 0.9683	1.1483 1.0316	1.0348 1.0248	1.1343 0.9705	Ave		1.0532				7.8		15.0			
Bis(2-chloroisopropyl) ether	1.0917 1.0235	0.9818 0.9353	1.0072 0.9663	0.9058 0.9611	1.0015 0.9338	Ave		0.9808				5.5		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.: 510-70378-1 Analy Batch No.: 87354

SDG No.: 0058-373-01

Instrument ID: SMSA GC Column: 8270/625 ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 09/29/2011 10:51 Calibration End Date: 09/29/2011 13:43 Calibration ID: 4285

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	1.7136 1.5749	1.4317 1.4095	1.6841 1.5157	1.4732 1.3814	1.5716 1.3523	Ave		1.5108				8.2		15.0			
3 & 4 Methylphenol	1.2243 1.1260	1.0928 0.9555	1.1241 1.0913	1.0669 1.0590	1.0987 1.0365	Ave		1.0875				6.4		15.0			
N-Nitrosodi-n-propylamine	1.0822 0.8744	0.9392 0.7782	0.9096 0.8785	0.8687 0.8350	0.9093 0.8083	Ave		0.8883			0.0500	9.4		15.0			
Hexachloroethane	0.6539 0.6336	0.6359 0.5964	0.6337 0.6220	0.6070 0.5934	0.6154 0.5933	Ave		0.6185				3.4		15.0			
Nitrobenzene	0.4604 0.4424	0.4579 0.4442	0.4692 0.4294	0.4811 0.4148	0.4634 0.3903	Ave		0.4453				6.2		15.0			
Isophorone	0.7578 0.6993	0.7355 0.6934	0.7319 0.6735	0.7145 0.6290	0.7127 0.6186	Ave		0.6966				6.5		15.0			
2-Nitrophenol	0.1969 0.2229	0.2234 0.2259	0.2223 0.2209	0.2158 0.2217	0.2277 0.2168	Ave		0.2194				4.0		15.0			
2,4-Dimethylphenol	0.4811 0.4282	0.4771 0.4171	0.4591 0.4106	0.4384 0.3963	0.4649 0.3912	Ave		0.4364				7.5		15.0			
Bis(2-chloroethoxy)methane	1.4097 1.2952	1.1662 1.1380	1.3312 1.2712	1.2094 1.1787	1.2422 1.2015	Ave		1.2443				6.7		15.0			
Benzoic acid	0.1568 0.2968	0.2086 0.3228	0.2879 0.3386	0.2628 0.3080	0.2919 0.3201	Lin2	-0.890	0.3217							0.9950		0.9900
2,4-Dichlorophenol	0.5725 0.5764	0.6100 0.4970	0.5665 0.5143	0.5525 0.5452	0.6229 0.4773	Ave		0.5535				8.4		15.0			
1,2,4-Trichlorobenzene	0.3966 0.3880	0.4283 0.3822	0.4089 0.3681	0.4202 0.3553	0.3913 0.3445	Ave		0.3883				7.0		15.0			
Naphthalene	1.3139 1.0793	1.3052 1.1169	1.2421 1.0077	1.1778 0.9068	1.1555 0.8793	Ave		1.1185				14.0		15.0			
p-Chloroaniline	0.4345 0.3977	0.4144 0.3954	0.4476 0.3822	0.3960 0.3477	0.3971 0.3329	Ave		0.3945				8.8		15.0			
Hexachloro-1,3-butadiene	0.3426 0.2954	0.3283 0.2906	0.3123 0.2770	0.3283 0.2727	0.2969 0.2571	Ave		0.3001				9.2		15.0			
4-Chloro-3-methylphenol	0.3341 0.3713	0.3571 0.3817	0.3846 0.3838	0.3690 0.3557	0.3749 0.3712	Ave		0.3683				4.2		15.0			
2-Methylnaphthalene	0.6663 0.6196	0.6674 0.6329	0.6848 0.6115	0.6300 0.5667	0.6313 0.5594	Ave		0.6270				6.5		15.0			
Hexachlorocyclopentadiene	0.2439 0.3889	0.3285 0.2154	0.3385 0.1916	0.3282 0.0768	0.3987 +++++	Ave		0.3566			0.0500	9.7		15.0			
2,4,6-Trichlorophenol	0.4321 0.4344	0.4247 0.4204	0.4572 0.4206	0.4666 0.4380	0.4505 0.4077	Ave		0.4352				4.2		15.0			
2,4,5-Trichlorophenol	0.4394 0.4649	0.4198 0.4706	0.4701 0.4568	0.4951 0.4472	0.4818 0.4414	Ave		0.4587				4.9		15.0			

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

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

Lab Name: TestAmerica Valparaiso Job No.: 510-70378-1 Analy Batch No.: 87354

SDG No.: 0058-373-01

Instrument ID: SMSA GC Column: 8270/625 ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 09/29/2011 10:51 Calibration End Date: 09/29/2011 13:43 Calibration ID: 4285

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								
1,1'-Biphenyl	1.5734 1.4101	1.5769 1.3038	1.4579 1.2554	1.4388 1.2379	1.4859 1.1449	Ave		1.3885				11.0		15.0			
2-Chloronaphthalene	1.3217 1.1808	1.3193 1.1205	1.2751 1.0649	1.2308 1.0641	1.2418 0.9873	Ave		1.1806				9.9		15.0			
2-Nitroaniline	0.3787 0.3809	0.3943 0.4082	0.3848 0.3892	0.3909 0.3858	0.3768 0.3977	Ave		0.3887				2.5		15.0			
Dimethyl phthalate	1.4192 1.2437	1.3746 1.2220	1.3776 1.1885	1.3349 1.0953	1.2511 1.1210	Ave		1.2628				8.8		15.0			
2,6-Dinitrotoluene	0.3076 0.3284	0.3519 0.3450	0.3402 0.3365	0.3509 0.3295	0.3248 0.3477	Ave		0.3363				4.1		15.0			
Acenaphthylene	1.9902 1.6617	1.8327 1.6423	1.8633 1.5042	1.7686 1.4159	1.6892 1.3571	Ave		1.6725				12.0		15.0			
3-Nitroaniline	0.2549 0.3105	0.2588 0.3349	0.3494 0.3136	0.3125 0.3055	0.2946 0.3195	Ave		0.3054				9.8		15.0			
Acenaphthene	1.2202 1.0897	1.1916 1.0681	1.1565 1.0350	1.1748 0.9959	1.1344 0.9552	Ave		1.1021				8.0		15.0			
2,4-Dinitrophenol	0.0958 0.1888	0.1118 0.2127	0.1708 0.2208	0.1687 0.2220	0.1849 0.2438	Ave		0.2016			0.0500	13.0		15.0			
4-Nitrophenol	+++++ 0.2461	0.1981 0.2712	0.2434 0.2586	0.2731 0.2446	0.2351 0.2781	Ave		0.2498			0.0500	9.8		15.0			
Dibenzofuran	1.8078 1.5307	1.7304 1.5311	1.6628 1.3963	1.6699 1.2933	1.5801 1.2672	Ave		1.5470				12.0		15.0			
2,4-Dinitrotoluene	0.3641 0.4078	0.3815 0.4374	0.4628 0.4295	0.4653 0.4019	0.3779 0.4364	Ave		0.4165				8.5		15.0			
Diethyl phthalate	1.3809 1.1576	1.2439 1.2248	1.3320 1.1458	1.2843 1.0591	1.1369 1.0788	Ave		1.2044				8.9		15.0			
Fluorene	1.5152 1.3315	1.5167 1.3664	1.4542 1.2411	1.3633 1.1558	1.3321 1.1558	Ave		1.3432				9.7		15.0			
4-Chlorophenyl phenyl ether	0.7780 0.6961	0.7770 0.6900	0.7644 0.6725	0.7433 0.6332	0.6865 0.6475	Ave		0.7088				7.5		15.0			
4-Nitroaniline	0.2495 0.2699	0.2526 0.3250	0.2940 0.2984	0.2938 0.2739	0.2541 0.2982	Ave		0.2809				8.9		15.0			
4,6-Dinitro-2-methylphenol	0.1203 0.1793	0.1553 0.1806	0.1743 0.1909	0.1718 0.1796	0.1677 0.1913	Ave		0.1711				12.0		15.0			
N-Nitrosodiphenylamine	0.7740 0.7132	0.7737 0.6484	0.7648 0.6508	0.7534 0.6181	0.7465 0.5792	Ave		0.7022				10.0		15.0			
1,2-Diphenylhydrazine	0.9573 0.8361	0.9129 0.7668	0.8704 0.7467	0.8540 0.7178	0.8731 0.6688	Ave		0.8204				11.0		15.0			
4-Bromophenyl phenyl ether	0.2648 0.2692	0.2708 0.2294	0.2576 0.2453	0.2457 0.2523	0.2645 0.2348	Ave		0.2534				5.7		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.: 510-70378-1 Analy Batch No.: 87354

SDG No.: 0058-373-01

Instrument ID: SMSA GC Column: 8270/625 ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 09/29/2011 10:51 Calibration End Date: 09/29/2011 13:43 Calibration ID: 4285

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								
Hexachlorobenzene	0.2483 0.2438	0.2458 0.2210	0.2523 0.2317	0.2422 0.2307	0.2536 0.2201	Ave		0.2390				5.1		15.0			
Pentachlorophenol	0.1322 0.1824	0.1371 0.1729	0.1603 0.1944	0.1709 0.1852	0.1814 0.1883	Ave		0.1705				12.0		15.0			
Phenanthrene	1.3725 1.0934	1.2859 1.0515	1.1910 0.9767	1.2003 0.9060	1.1611 0.8445	Ave		1.1083				15.0		15.0			
Anthracene	1.2749 1.0837	1.2831 1.0589	1.2300 0.9803	1.2212 0.8933	1.1551 0.8519	Ave		1.1032				14.0		15.0			
Carbazole	1.1329 0.9710	1.0847 0.9892	1.1091 0.8862	1.1042 0.8138	1.0139 0.8020	Ave		0.9907				12.0		15.0			
Dibutylphthalate	1.1875 1.0216	1.1646 1.0361	1.1583 0.9403	1.0731 0.8725	1.0844 0.8202	Ave		1.0359				12.0		15.0			
Fluoranthene	1.4052 1.1497	1.3796 1.2120	1.3332 1.0279	1.2807 0.9372	1.2782 0.9022	Ave		1.1906				15.0		15.0			
Benzidine	0.4224 0.5565	0.4415 0.4589	0.6467 0.3837	0.5740 0.3321	0.5145 +++++	Ave		0.5320				14.0		15.0			
Pyrene	1.7448 1.4014	1.5113 1.3103	1.5733 1.2338	1.5614 1.1913	1.3496 1.1739	Ave		1.4051				13.0		15.0			
Butyl benzyl phthalate	0.5969 0.5863	0.6014 0.5781	0.6019 0.5881	0.5581 0.5730	0.5924 0.5581	Ave		0.5834				2.8		15.0			
3,3'-Dichlorobenzidine	+++++ 0.3713	+++++ 0.3308	0.4379 0.2960	0.3804 0.2740	0.3745 +++++	Ave		0.3563				15.0		15.0			
Benzo[a]anthracene	1.5324 1.2033	1.4347 1.2065	1.3906 1.1275	1.2997 1.0930	1.3179 1.0388	Ave		1.2644				13.0		15.0			
Bis(2-ethylhexyl) phthalate	0.6845 0.6756	0.7171 0.7085	0.7278 0.7109	0.6546 0.6735	0.7135 0.6608	Ave		0.6927				3.7		15.0			
Chrysene	1.3420 1.1895	1.3539 1.2225	1.3169 1.1279	1.2546 1.0400	1.1986 1.0124	Ave		1.2058				9.8		15.0			
Di-n-octyl phthalate	1.2978 1.2007	1.4172 1.2417	1.3058 1.1993	1.1531 1.1474	1.2797 1.0900	Ave		1.2333				7.7		15.0			
Benzo[b]fluoranthene	1.5546 1.3233	1.5295 1.3025	1.4316 1.2864	1.4855 1.2984	1.2683 1.2258	Ave		1.3706				8.7		15.0			
Benzo[k]fluoranthene	1.5768 1.4187	1.6192 1.4224	1.5244 1.1841	1.4817 1.1595	1.4753 1.2258	Ave		1.4088				12.0		15.0			
Benzo[a]pyrene	1.1482 1.1503	1.2648 1.1396	1.2169 1.0780	1.1875 1.0869	1.1634 0.9840	Ave		1.1420				6.9		15.0			
Indeno[1,2,3-cd]pyrene	1.1360 1.2554	1.1502 1.2085	1.1851 1.1494	1.1662 1.2027	1.2053 1.1175	Ave		1.1776				3.5		15.0			
Dibenz(a,h)anthracene	0.8351 0.9920	1.0246 0.9886	1.0119 0.9479	0.9289 0.9771	1.0131 0.8746	Ave		0.9594				6.6		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.: 510-70378-1 Analy Batch No.: 87354

SDG No.: 0058-373-01

Instrument ID: SMSA GC Column: 8270/625 ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 09/29/2011 10:51 Calibration End Date: 09/29/2011 13:43 Calibration ID: 4285

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								
Benzo[g,h,i]perylene	0.8130 1.0417	1.0037 1.0031	0.9996 1.0017	1.0129 1.0271	1.0662 0.9325	Ave		0.9901				7.2		15.0			
2-Fluorophenol	1.4793 1.2899	1.3579 1.1443	1.3236 1.2137	1.1448 1.2271	1.3220 1.1232	Ave		1.2626				9.0		15.0			
Phenol-d5	1.5883 1.4882	1.4208 1.2909	1.5604 1.4131	1.3005 1.3644	1.4925 1.2860	Ave		1.4205				7.8		15.0			
Nitrobenzene-d5	0.5267 0.5095	0.5669 0.4961	0.4994 0.4858	0.5253 0.4641	0.5121 0.4428	Ave		0.5029				6.9		15.0			
2-Fluorobiphenyl	1.7285 1.4780	1.7152 1.3556	1.5755 1.2799	1.5724 1.2636	1.5655 1.1694	Ave		1.4704				13.0		15.0			
2,4,6-Tribromophenol	0.0916 0.0813	0.0691 0.0969	0.0887 0.0873	0.0971 0.0902	0.0809 0.0894	Ave		0.0872				9.6		15.0			
Terphenyl-d14	1.2402 1.0081	1.0619 0.9247	1.0660 0.9285	1.0264 0.8988	0.9763 0.8993	Ave		1.0030				10.0		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.: 510-70378-1 Analy Batch No.: 87354

SDG No.: 0058-373-01

Instrument ID: SMSA GC Column: 8270/625 ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 09/29/2011 10:51 Calibration End Date: 09/29/2011 13:43 Calibration ID: 4285

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	SSTD005 510-87354/2	D1601.D
Level 2	SSTD010 510-87354/3	D1602.D
Level 3	SSTD020 510-87354/4	D1603.D
Level 4	SSTD030 510-87354/5	D1604.D
Level 5	SSTD040 510-87354/6	D1605.D
Level 6	SSTD050 510-87354/7	D1606.D
Level 7	SSTD060 510-87354/8	D1607.D
Level 8	SSTD080 510-87354/9	D1608.D
Level 9	SSTD100 510-87354/10	D1609.D
Level 10	SSTD120 510-87354/11	D1610.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	21857 185259	52937 184798	95418 273332	96081 391111	154095 388885	4.00 50.0	10.0 60.0	20.0 80.0	30.0 100	40.0 120
N-Nitrosodimethylamine	DCB	Ave	23834 233500	57499 199340	96306 343725	102635 489933	181251 443790	5.00 50.0	10.0 60.0	20.0 80.0	30.0 100	40.0 120
Pyridine	DCB	Ave	46226 431880	104458 370590	178977 599461	186763 841121	320999 797301	5.00 50.0	10.0 60.0	20.0 80.0	30.0 100	40.0 120
Phenol	DCB	Ave	49311 410644	111290 324231	179264 568364	187577 805240	368685 742849	5.00 50.0	10.0 60.0	20.0 80.0	30.0 100	40.0 120
Aniline	DCB	Ave	50751 309470	110382 300163	178445 532039	168094 706409	260449 629927	5.00 50.0	10.0 60.0	20.0 80.0	30.0 100	40.0 120
Bis(2-chloroethyl)ether	DCB	Ave	40974 309470	81733 241694	125111 437324	129461 615953	254701 613464	5.00 50.0	10.0 60.0	20.0 80.0	30.0 100	40.0 120
2-Chlorophenol	DCB	Ave	39600 318490	91474 242543	140369 436990	144311 624690	281646 566188	5.00 50.0	10.0 60.0	20.0 80.0	30.0 100	40.0 120
1,3-Dichlorobenzene	ANT	Ave	45673 399621	108198 344136	166873 559837	181257 763336	327166 742179	5.00 50.0	10.0 60.0	20.0 80.0	30.0 100	40.0 120
1,4-Dichlorobenzene	DCB	Ave	46266 391854	105499 323429	165676 521233	177086 732980	316722 707664	5.00 50.0	10.0 60.0	20.0 80.0	30.0 100	40.0 120
Benzyl alcohol	DCB	Ave	18891 185707	42900 134591	76656 256654	73018 381286	154735 369306	5.00 50.0	10.0 60.0	20.0 80.0	30.0 100	40.0 120
1,2-Dichlorobenzene	DCB	Ave	43489 364202	97617 301201	157212 498822	166268 699171	300374 653979	5.00 50.0	10.0 60.0	20.0 80.0	30.0 100	40.0 120
2-Methylphenol	DCB	Ave	33543 265963	67439 223230	124090 390817	123047 564939	250576 522024	5.00 50.0	10.0 60.0	20.0 80.0	30.0 100	40.0 120
Bis(2-chloroisopropyl) ether	DCB	Ave	30313 265826	67050 215614	108838 366063	107712 529820	221245 502314	5.00 50.0	10.0 60.0	20.0 80.0	30.0 100	40.0 120
Acetophenone	DCB	Ave	47580 409007	97777 324947	181991 574200	175177 761530	347181 727420	5.00 50.0	10.0 60.0	20.0 80.0	30.0 100	40.0 120

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

Lab Name: TestAmerica Valparaiso Job No.: 510-70378-1 Analy Batch No.: 87354

SDG No.: 0058-373-01

Instrument ID: SMSA GC Column: 8270/625 ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 09/29/2011 10:51 Calibration End Date: 09/29/2011 13:43 Calibration ID: 4285

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	33994 292446	74631 220284	121475 413406	126871 583820	242717 557535	5.00 50.0	10.0 60.0	20.0 80.0	30.0 100	40.0 120
N-Nitrosodi-n-propylamine	DCB	Ave	30048 227084	64138 179412	98295 332801	103294 460344	200872 434789	5.00 50.0	10.0 60.0	20.0 80.0	30.0 100	40.0 120
Hexachloroethane	DCB	Ave	18155 164558	43426 137485	68479 235646	72174 327123	135944 319171	5.00 50.0	10.0 60.0	20.0 80.0	30.0 100	40.0 120
Nitrobenzene	NPT	Ave	40919 350575	85641 283559	153262 499762	164559 685732	304698 644925	5.00 50.0	10.0 60.0	20.0 80.0	30.0 100	40.0 120
Isophorone	NPT	Ave	67352 554151	137550 442675	239085 783919	244371 1039897	468622 1022162	5.00 50.0	10.0 60.0	20.0 80.0	30.0 100	40.0 120
2-Nitrophenol	NPT	Ave	17498 176613	41788 144199	72598 257098	73800 366494	149707 358190	5.00 50.0	10.0 60.0	20.0 80.0	30.0 100	40.0 120
2,4-Dimethylphenol	NPT	Ave	42762 339330	89232 266287	149969 477882	149935 655164	305693 646406	5.00 50.0	10.0 60.0	20.0 80.0	30.0 100	40.0 120
Bis(2-chloroethoxy)methane	DCB	Ave	39142 336385	79643 262349	143849 481582	143815 649806	274411 646310	5.00 50.0	10.0 60.0	20.0 80.0	30.0 100	40.0 120
Benzoic acid	NPT	Lin2	13933 235168	39019 206072	94037 394107	89891 509240	191910 528895	5.00 50.0	10.0 60.0	20.0 80.0	30.0 100	40.0 120
2,4-Dichlorophenol	ANT	Ave	31892 265947	64993 203355	116049 385690	113160 534428	229297 510178	5.00 50.0	10.0 60.0	20.0 80.0	30.0 100	40.0 120
1,2,4-Trichlorobenzene	NPT	Ave	35252 307455	80107 244003	133577 428423	143720 587490	257274 569312	5.00 50.0	10.0 60.0	20.0 80.0	30.0 100	40.0 120
Naphthalene	NPT	Ave	116781 855257	244103 713028	405730 1172903	402867 1499256	759774 1453068	5.00 50.0	10.0 60.0	20.0 80.0	30.0 100	40.0 120
p-Chloroaniline	NPT	Ave	38618 315127	77507 252413	146214 444821	135433 574881	261109 550191	5.00 50.0	10.0 60.0	20.0 80.0	30.0 100	40.0 120
Hexachloro-1,3-butadiene	NPT	Ave	30450 234079	61405 185491	102020 322420	112304 450813	195204 424867	5.00 50.0	10.0 60.0	20.0 80.0	30.0 100	40.0 120
4-Chloro-3-methylphenol	NPT	Ave	29698 294264	66778 243676	125633 446654	126211 588051	246484 613327	5.00 50.0	10.0 60.0	20.0 80.0	30.0 100	40.0 120
2-Methylnaphthalene	NPT	Ave	59226 490996	124826 404041	223693 711730	215484 936906	415079 924378	5.00 50.0	10.0 60.0	20.0 80.0	30.0 100	40.0 120
Hexachlorocyclopentadiene	ANT	Ave	13588 179452	35001 88121	69334 143712	67219 75286	146760 +++++	5.00 50.0	10.0 60.0	20.0 80.0	30.0 100	40.0 +++++
2,4,6-Trichlorophenol	ANT	Ave	24071 200406	45249 172025	93667 315447	95556 429368	165809 435856	5.00 50.0	10.0 60.0	20.0 80.0	30.0 100	40.0 120
2,4,5-Trichlorophenol	ANT	Ave	24480 214502	44729 192536	96299 342537	101396 438317	177352 471792	5.00 50.0	10.0 60.0	20.0 80.0	30.0 100	40.0 120
1,1'-Biphenyl	ANT	Ave	87649 650613	168014 533467	298660 941489	294676 1213403	546967 1223836	5.00 50.0	10.0 60.0	20.0 80.0	30.0 100	40.0 120
2-Chloronaphthalene	ANT	Ave	73626 544812	140567 458477	261209 798583	252063 1043032	457096 1055338	5.00 50.0	10.0 60.0	20.0 80.0	30.0 100	40.0 120

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

Lab Name: TestAmerica Valparaiso Job No.: 510-70378-1 Analy Batch No.: 87354

SDG No.: 0058-373-01

Instrument ID: SMSA GC Column: 8270/625 ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 09/29/2011 10:51 Calibration End Date: 09/29/2011 13:43 Calibration ID: 4285

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-Nitroaniline	ANT	Ave	21099 175732	42009 167017	78819 291880	80063 378132	138714 425101	5.00 50.0	10.0 60.0	20.0 80.0	30.0 100	40.0 120
Dimethyl phthalate	ANT	Ave	79060 573816	146464 499982	282211 891295	273397 1073619	460526 1198252	5.00 50.0	10.0 60.0	20.0 80.0	30.0 100	40.0 120
2,6-Dinitrotoluene	ANT	Ave	17134 151521	37494 141149	69680 252366	71873 322990	119575 371715	5.00 50.0	10.0 60.0	20.0 80.0	30.0 100	40.0 120
Acenaphthylene	ANT	Ave	110869 766701	195269 671971	381702 1128017	362213 1387864	621773 1450695	5.00 50.0	10.0 60.0	20.0 80.0	30.0 100	40.0 120
3-Nitroaniline	ANT	Ave	14202 143247	27575 137030	71584 235153	63994 299479	108441 341538	5.00 50.0	10.0 60.0	20.0 80.0	30.0 100	40.0 120
Acenaphthene	ANT	Ave	67977 502789	126958 437015	236914 776193	240607 976146	417577 1021048	5.00 50.0	10.0 60.0	20.0 80.0	30.0 100	40.0 120
2,4-Dinitrophenol	ANT	Ave	5335 87092	11912 87019	34983 165576	34544 217636	68063 260636	5.00 50.0	10.0 60.0	20.0 80.0	30.0 100	40.0 120
4-Nitrophenol	ANT	Ave	+++++ 113555	21112 110960	49855 193911	55927 239739	86529 297228	+++++ 50.0	10.0 60.0	20.0 80.0	30.0 100	40.0 120
Dibenzofuran	ANT	Ave	100708 706256	184371 626468	340626 1047132	342006 1267644	581632 1354537	5.00 50.0	10.0 60.0	20.0 80.0	30.0 100	40.0 120
2,4-Dinitrotoluene	ANT	Ave	20283 188158	40648 178964	94797 322129	95300 393965	139086 466476	5.00 50.0	10.0 60.0	20.0 80.0	30.0 100	40.0 120
Diethyl phthalate	ANT	Ave	76929 534102	132537 501155	272869 859288	263028 1038154	418503 1153167	5.00 50.0	10.0 60.0	20.0 80.0	30.0 100	40.0 120
Fluorene	ANT	Ave	84409 614335	161598 559085	297896 930764	279203 1132891	490336 1235542	5.00 50.0	10.0 60.0	20.0 80.0	30.0 100	40.0 120
4-Chlorophenyl phenyl ether	ANT	Ave	43338 321173	82786 282326	156586 504332	152226 620657	252693 692155	5.00 50.0	10.0 60.0	20.0 80.0	30.0 100	40.0 120
4-Nitroaniline	ANT	Ave	13899 124527	26914 132985	60233 223787	60161 268480	93529 318800	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	10693 123987	24587 127380	57197 227850	55369 270926	88294 341666	5.00 50.0	10.0 60.0	20.0 80.0	30.0 100	40.0 120
N-Nitrosodiphenylamine	PHN	Ave	68774 493199	122508 457262	250991 776618	242848 932089	393077 1034550	5.00 50.0	10.0 60.0	20.0 80.0	30.0 100	40.0 120
1,2-Diphenylhydrazine	PHN	Ave	85057 578166	144552 540701	285650 891062	275278 1082490	459749 1194609	5.00 50.0	10.0 60.0	20.0 80.0	30.0 100	40.0 120
4-Bromophenyl phenyl ether	PHN	Ave	23524 186177	42875 161793	84533 292798	79180 380550	139294 419431	5.00 50.0	10.0 60.0	20.0 80.0	30.0 100	40.0 120
Hexachlorobenzene	PHN	Ave	22058 168595	38925 155850	82808 276474	78081 347919	133519 393134	5.00 50.0	10.0 60.0	20.0 80.0	30.0 100	40.0 120
Pentachlorophenol	PHN	Ave	11743 126099	21712 121903	52590 232034	55093 279372	95533 336308	5.00 50.0	10.0 60.0	20.0 80.0	30.0 100	40.0 120
Phenanthrene	PHN	Ave	121946 756111	203617 741515	390851 1165539	386883 1366334	611360 1508446	5.00 50.0	10.0 60.0	20.0 80.0	30.0 100	40.0 120

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

Lab Name: TestAmerica Valparaiso Job No.: 510-70378-1 Analy Batch No.: 87354

SDG No.: 0058-373-01

Instrument ID: SMSA GC Column: 8270/625 ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 09/29/2011 10:51 Calibration End Date: 09/29/2011 13:43 Calibration ID: 4285

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
Anthracene	PHN	Ave	113277 749403	203171 746686	403633 1169927	393636 1347134	608248 1521625	5.00 50.0	10.0 60.0	20.0 80.0	30.0 100	40.0 120
Carbazole	PHN	Ave	100657 671498	171753 697578	363969 1057606	355910 1227347	533855 1432582	5.00 50.0	10.0 60.0	20.0 80.0	30.0 100	40.0 120
Dibutylphthalate	PHN	Ave	105510 706479	184399 730656	380115 1122154	345900 1315851	570981 1464956	5.00 50.0	10.0 60.0	20.0 80.0	30.0 100	40.0 120
Fluoranthene	PHN	Ave	124853 795064	218450 854664	437526 1226669	412809 1413330	673040 1611423	5.00 50.0	10.0 60.0	20.0 80.0	30.0 100	40.0 120
Benzidine	CRY	Ave	29070 1543763	63123 2262683	732542 2418898	1174390 2624950	1485328 +++++	5.00 250	10.0 460	80.0 520	230 700	240 +++++
Pyrene	CRY	Ave	120071 777575	216059 842676	445555 1196743	416701 1345398	649302 1550381	5.00 50.0	10.0 60.0	20.0 80.0	30.0 100	40.0 120
Butyl benzyl phthalate	CRY	Ave	41078 325336	85972 371759	170453 570404	148955 647096	285016 737150	5.00 50.0	10.0 60.0	20.0 80.0	30.0 100	40.0 120
3,3'-Dichlorobenzidine	CRY	Ave	+++++ 1030039	+++++ 1630763	496043 1866183	778393 2165647	1081083 +++++	+++++ 250	+++++ 460	80.0 520	230 700	240 +++++
Benzo[a]anthracene	CRY	Ave	105456 667662	205112 775868	393818 1093636	346867 1234344	634077 1372066	5.00 50.0	10.0 60.0	20.0 80.0	30.0 100	40.0 120
Bis(2-ethylhexyl) phthalate	CRY	Ave	47104 374858	102515 455614	206102 689549	174695 760591	343282 872692	5.00 50.0	10.0 60.0	20.0 80.0	30.0 100	40.0 120
Chrysene	CRY	Ave	92355 659988	193553 786170	372938 1094053	334834 1174460	576682 1337083	5.00 50.0	10.0 60.0	20.0 80.0	30.0 100	40.0 120
Di-n-octyl phthalate	PRY	Ave	62978 580733	157060 732224	321707 1066262	250241 1124139	562634 1228323	5.00 50.0	10.0 60.0	20.0 80.0	30.0 100	40.0 120
Benzo[b]fluoranthene	PRY	Ave	75443 640025	169509 768121	352718 1143682	322385 1272063	557623 1381417	5.00 50.0	10.0 60.0	20.0 80.0	30.0 100	40.0 120
Benzo[k]fluoranthene	PRY	Ave	76519 686180	179451 838833	375582 1052752	321556 1135998	648627 1381417	5.00 50.0	10.0 60.0	20.0 80.0	30.0 100	40.0 120
Benzo[a]pyrene	PRY	Ave	55721 556368	140172 672025	299826 958374	257703 1064887	511489 1108948	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	55130 607157	127476 712691	291976 1021879	253087 1178262	529908 1259320	5.00 50.0	10.0 60.0	20.0 80.0	30.0 100	40.0 120
Dibenz(a,h)anthracene	PRY	Ave	40526 479778	113553 583003	249300 842697	201595 957250	445404 985591	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	39455 503837	111242 591530	246274 890507	219822 1006210	468783 1050812	5.00 50.0	10.0 60.0	20.0 80.0	30.0 100	40.0 120
2-Fluorophenol	DCB	Ave	41074 334992	92734 263795	143028 459809	136129 676501	292037 604196	5.00 50.0	10.0 60.0	20.0 80.0	30.0 100	40.0 120
Phenol-d5	DCB	Ave	44101 386509	97027 297606	168621 535344	154639 752144	329706 691738	5.00 50.0	10.0 60.0	20.0 80.0	30.0 100	40.0 120
Nitrobenzene-d5	NPT	Ave	46813 403714	106030 316680	163128 565437	179679 767344	336734 731744	5.00 50.0	10.0 60.0	20.0 80.0	30.0 100	40.0 120

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

Lab Name: TestAmerica Valparaiso Job No.: 510-70378-1 Analy Batch No.: 87354

SDG No.: 0058-373-01

Instrument ID: SMSA GC Column: 8270/625 ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 09/29/2011 10:51 Calibration End Date: 09/29/2011 13:43 Calibration ID: 4285

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-Fluorobiphenyl	ANT	Ave	96288 681949	182751 554679	322744 959835	322041 1238613	576271 1250005	5.00 50.0	10.0 60.0	20.0 80.0	30.0 100	40.0 120
2,4,6-Tribromophenol	ANT	Ave	5104 37514	7358 39631	18170 65446	19883 88436	29770 95615	5.00 50.0	10.0 60.0	20.0 80.0	30.0 100	40.0 120
Terphenyl-d14	CRY	Ave	85349 559332	151808 594641	301882 900640	273934 1015002	469715 1187783	5.00 50.0	10.0 60.0	20.0 80.0	30.0 100	40.0 120

Curve Type Legend:

Ave = Average ISTD
Lin2 = Linear 1/conc^2 ISTD

TestAmerica Laboratories
Target Compound Quantitation Report

Data File: \\Valsvr08\ChromData\SMSA\20110929-5628.b\D1601.D
Lims ID: sstd005 Client ID:
Inject. Date: 29-Sep-2011 10:51:30 Dil. Factor: 1.0000
Sample Type: IC Calib Level: 1
Sample ID: SSTD005
Misc. Info.: 510-0005628-002 =510-0005628-002
Operator: WDS Instrument ID: SMSA
Vol. Injected: 1.0000 ALS Bottle#: 2
Lims Batch ID: 87354 Lims Sample ID: 2
Sublist: chrom-8270C_SMSA*sub30
Detector: MS SCAN

Method: \\Valsvr08\ChromData\SMSA\20110929-5628.b\8270C_SMSA.m
Last Update: 29-Sep-2011 13:53:05 Calib Date: 29-Sep-2011 13:24:30
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\Valsvr08\ChromData\SMSA\20110929-5628.b\D1609.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: 29-Sep-2011 11:14:05

Compound	Sig	RT	EXP RT	DLT RT	Q	Response	On-Col Amt ug/ml	Flags
9 1,4-Dioxane	88	1.797	1.797	0.0	0	21857	4.99	M
30 N-Nitrosodimethylamine	74	1.984	1.984	0.0	86	23834	4.93	
31 Pyridine	79	2.006	2.006	0.0	89	46226	5.26	
$ 32 2-Fluorophenol	112	2.855	2.855	0.0	85	41074	5.79	
$ 34 Phenol-d5	99	3.592	3.592	0.0	0	44101	5.53	
35 Phenol	94	3.603	3.603	0.0	89	49311	5.60	
36 Aniline	93	3.624	3.624	0.0	0	50751	6.39	M
37 Bis(2-chloroethyl)ether	93	3.667	3.667	0.0	90	40974	6.27	
38 2-Chlorophenol	128	3.726	3.726	0.0	87	39600	5.77	
39 1,3-Dichlorobenzene	146	3.849	3.849	0.0	87	45673	4.82	
* 40 1,4-Dichlorobenzene-d4	152	3.881	3.881	0.0	95	222126	40.0	
41 1,4-Dichlorobenzene	146	3.897	3.897	0.0	82	46266	5.64	M
42 Benzyl alcohol	108	4.014	4.014	0.0	75	18891	5.10	
43 1,2-Dichlorobenzene	146	4.062	4.062	0.0	81	43489	5.64	
44 2-Methylphenol	108	4.127	4.127	0.0	89	33543	5.69	
10 2,2'-oxybis(2-chloropropane)	45	4.153	4.153	0.0	1	30313	5.54	M
45 Acetophenone	105	4.260	4.260	0.0	92	47580	5.61	
47 3 & 4 Methylphenol	108	4.265	4.265	0.0	0	33994	5.60	
46 N-Nitrosodi-n-propylamine	70	4.276	4.276	0.0	94	30048	6.03	
48 Hexachloroethane	117	4.340	4.340	0.0	80	18155	5.26	
$ 49 Nitrobenzene-d5	82	4.404	4.404	0.0	86	46813	5.17	
50 Nitrobenzene	77	4.420	4.420	0.0	86	40919	5.10	
51 Isophorone	82	4.629	4.629	0.0	87	67352	5.37	
52 2-Nitrophenol	139	4.720	4.720	0.0	89	17498	4.48	
53 2,4-Dimethylphenol	107	4.752	4.752	0.0	73	42762	5.45	
S 3 Methyl Phenols,Total	100				0		11.3	
54 Bis(2-chloroethoxy)methane	93	4.842	4.842	0.0	93	39142	5.64	
5 Benzoic acid	105	4.821	4.821	0.0	65	13933	5.19	
55 2,4-Dichlorophenol	162	4.939	4.939	0.0	93	31892	5.09	
56 1,2,4-Trichlorobenzene	180	5.019	5.019	0.0	83	35252	5.04	

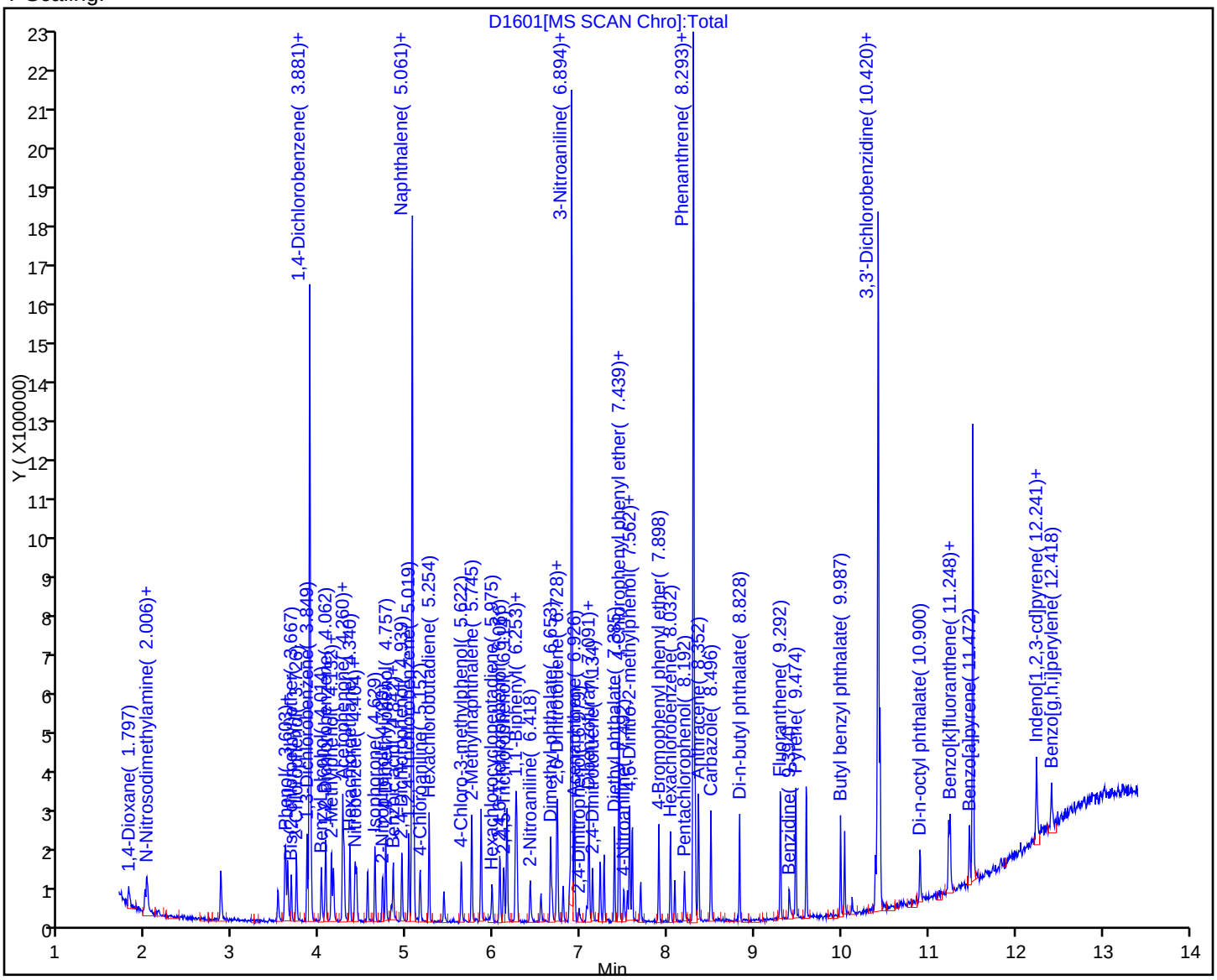
Compound	Sig	RT	EXP RT	DLT RT	Q	Response	On-Col Amt ug/ml	Flags
* 57 Naphthalene-d8	136	5.061	5.061	0.0	98	711067	40.0	
58 Naphthalene	128	5.077	5.077	0.0	85	116781	5.74	
59 4-Chloroaniline	127	5.147	5.147	0.0	77	38618	5.41	
60 Hexachlorobutadiene	225	5.254	5.254	0.0	84	30450	5.62	
61 4-Chloro-3-methylphenol	107	5.622	5.622	0.0	91	29698	4.54	
62 2-Methylnaphthalene	141	5.745	5.745	0.0	85	59226	5.25	
63 Hexachlorocyclopentadiene	237	5.975	5.975	0.0	56	13588	4.37	
64 2,4,6-Trichlorophenol	196	6.071	6.071	0.0	65	24071	4.93	M
65 2,4,5-Trichlorophenol	196	6.114	6.114	0.0	79	24480	4.77	
$ 66 2-Fluorobiphenyl	172	6.151	6.151	0.0	86	96288	5.75	
116 1,1'-Biphenyl	154	6.253	6.253	0.0	0	87649	5.56	
67 2-Chloronaphthalene	162	6.263	6.263	0.0	94	73626	5.50	
68 2-Nitroaniline	65	6.418	6.418	0.0	75	21099	4.88	
69 Dimethyl phthalate	163	6.653	6.653	0.0	95	79060	5.55	
70 2,6-Dinitrotoluene	165	6.723	6.723	0.0	62	17134	4.59	
71 Acenaphthylene	152	6.734	6.734	0.0	90	110869	5.83	
72 3-Nitroaniline	138	6.872	6.872	0.0	0	14202	4.20	M
* 73 Acenaphthene-d10	164	6.894	6.894	0.0	93	445661	40.0	
74 Acenaphthene	153	6.926	6.926	0.0	66	67977	5.45	
75 2,4-Dinitrophenol	184	6.974	6.974	0.0	52	5335	2.73	M
78 4-Nitrophenol	109	7.070	7.070	0.0	0	7312	2.66	M
77 Dibenzofuran	168	7.091	7.091	0.0	85	100708	5.73	
76 2,4-Dinitrotoluene	165	7.134	7.134	0.0	56	20283	4.39	
79 Diethyl phthalate	149	7.385	7.385	0.0	93	76929	5.67	
80 Fluorene	166	7.439	7.439	0.0	82	84409	5.55	
81 4-Chlorophenyl phenyl ether	204	7.439	7.439	0.0	73	43338	5.44	
82 4-Nitroaniline	138	7.492	7.492	0.0	52	13899	4.47	M
83 4,6-Dinitro-2-methylphenol	198	7.535	7.535	0.0	63	10693	3.56	
84 N-Nitrosodiphenylamine	169	7.562	7.562	0.0	98	68774	5.41	
85 1,2-Diphenylhydrazine	77	7.588	7.588	0.0	86	85057	5.72	
$ 86 2,4,6-Tribromophenol	141	7.690	7.690	0.0	51	5104	5.27	
87 4-Bromophenyl phenyl ether	248	7.898	7.898	0.0	57	23524	5.18	
88 Hexachlorobenzene	284	8.032	8.032	0.0	75	22058	5.15	
89 Pentachlorophenol	266	8.192	8.192	0.0	57	11743	3.92	
* 90 Phenanthrene-d10	188	8.293	8.293	0.0	97	710815	40.0	
91 Phenanthrene	178	8.315	8.315	0.0	82	121946	6.03	
92 Anthracene	178	8.352	8.352	0.0	95	113277	5.64	
93 Carbazole	167	8.496	8.496	0.0	80	100657	5.60	
94 Di-n-butyl phthalate	149	8.828	8.828	0.0	97	105510	5.60	
95 Fluoranthene	202	9.298	9.298	0.0	95	124853	5.75	
96 Benzidine	184	9.394	9.394	0.0	80	29070	2.80	
97 Pyrene	202	9.474	9.474	0.0	90	120071	6.10	
$ 98 Terphenyl-d14	244	9.597	9.597	0.0	95	85349	6.11	
99 Butyl benzyl phthalate	149	9.987	9.987	0.0	94	41078	5.09	
100 3,3'-Dichlorobenzidine	252	10.388	10.388	0.0	88	22339	0.7500	
101 Benzo[a]anthracene	228	10.409	10.409	0.0	94	105456	5.94	
* 103 Chrysene-d12	240	10.420	10.420	0.0	97	550537	40.0	
102 Bis(2-ethylhexyl) phthalate	149	10.441	10.441	0.0	82	47104	4.92	
104 Chrysene	228	10.441	10.441	0.0	65	92355	5.47	
105 Di-n-octyl phthalate	149	10.900	10.900	0.0	99	62978	5.19	
106 Benzo[b]fluoranthene	252	11.232	11.232	0.0	90	75443	5.61	M
107 Benzo[k]fluoranthene	252	11.248	11.248	0.0	95	76519	5.52	M

Compound	Sig	RT	EXP RT	DLT RT	Q	Response	On-Col Amt ug/ml	Flags
108 Benzo[a]pyrene	252	11.472	11.472	0.0	65	55721	4.95	
* 109 Perylene-d12	264	11.509	11.509	0.0	99	388223	40.0	
110 Indeno[1,2,3-cd]pyrene	276	12.241	12.241	0.0	95	55130	4.80	
111 Dibenz(a,h)anthracene	278	12.247	12.247	0.0	38	40526	4.31	
24 Benzo[g,h,i]perylene	276	12.418	12.418	0.0	83	39455	4.08	

QC Flag Legend

Review Flags
M - Manually Integrated

Report Date: 29-Sep-2011 13:53:05 Chrom Revision: 1.2 13-Jul-2011 10:43:06
Data File: \\Valsvr08\ChromData\SMSA\20110929-5628.b\D1601.D
Injection Date: 29-Sep-2011 10:51:30 Limit Group: SMS - 1 - 8270 SVOA Calibration
Client ID: Instrument ID: SMSA
Lims Batch ID: 87354 Lims Sample ID: 2
Operator ID: WDS Injection Vol: 1.00 ul
Y Scaling:



Report Date: 29-Sep-2011 13:53:06 Chrom Revision: 1.2 13-Jul-2011 10:43:06

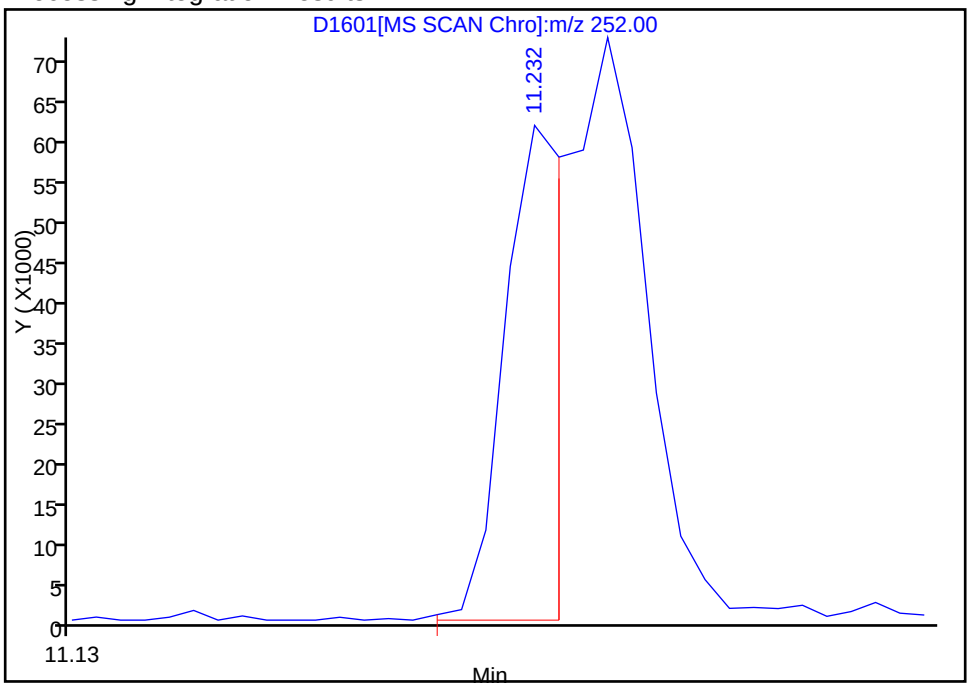
Manual Integration/User Assign Peak Report

Data File:	\\Valsvr08\ChromData\SMSA\20110929-5628.b\D1601.D		
Injection Date:	29-Sep-2011 10:51:30	Limit Group:	SMS - 1 - 8270 SVOA Calibration
Client ID:		Instrument ID:	SMSA
Lims Batch ID:	87354	Lims Sample ID:	2
Operator ID:	WDS	Injection Vol:	1.00 ul

107 Benzo[k]fluoranthene, Signal: 1, m/z: 252.0 Type: quant, RT: 11.25

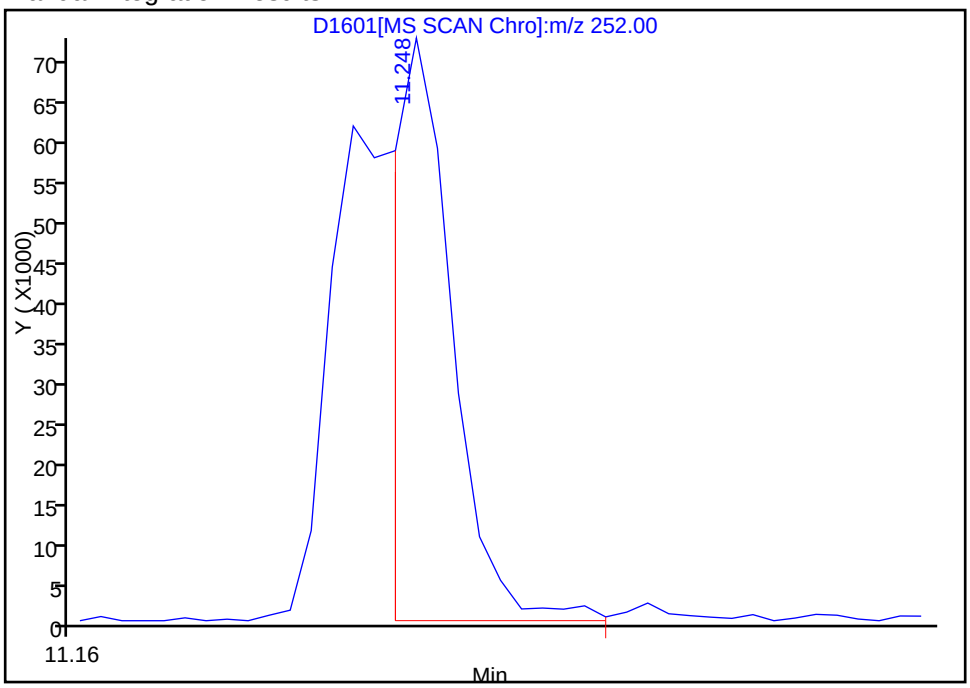
Processing Integration Results

RT: 11.23
Response: 56195
Amount: 5.000000



Manual Integration Results

RT: 11.25
Response: 76519
Amount: 5.516628



Reviewer: squiresb, 29-Sep-2011 11:14:05
Audit Action: Manually Integrated
Audit Reason: Assign Peak

Report Date: 29-Sep-2011 13:53:05 Chrom Revision: 1.2 13-Jul-2011 10:43:06

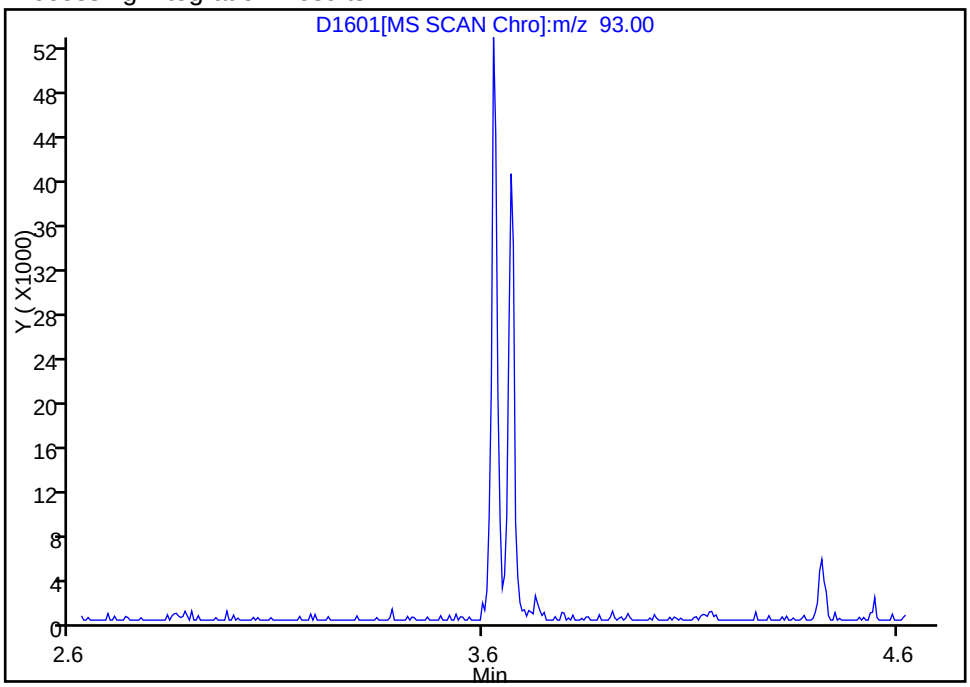
Manual Integration/User Assign Peak Report

Data File:	\\Valsvr08\ChromData\SMSA\20110929-5628.b\D1601.D		
Injection Date:	29-Sep-2011 10:51:30	Limit Group:	SMS - 1 - 8270 SVOA Calibration
Client ID:		Instrument ID:	SMSA
Lims Batch ID:	87354	Lims Sample ID:	2
Operator ID:	WDS	Injection Vol:	1.00 ul

36 Aniline, Signal: 1, m/z: 93.0 Type: quant, RT: 3.62

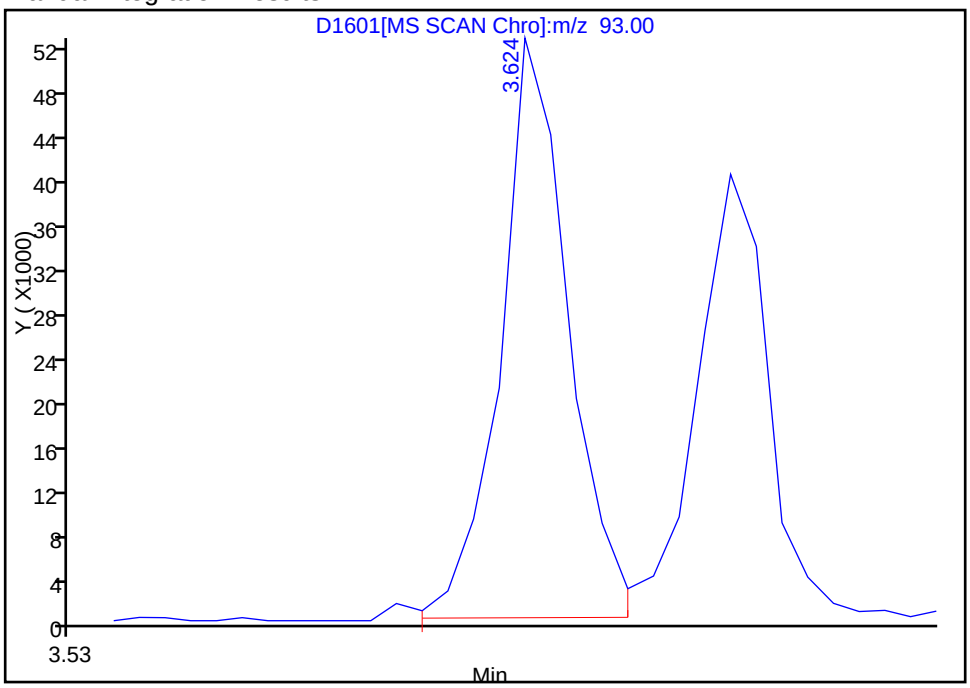
Not Detected
Expected RT: 3.62

Processing Integration Results



Manual Integration Results

RT: 3.62
Response: 50751
Amount: 6.392242



Reviewer: squiresb, 29-Sep-2011 11:14:05
Audit Action: Manually Integrated
Audit Reason: Assign Peak

Report Date: 29-Sep-2011 13:53:06 Chrom Revision: 1.2 13-Jul-2011 10:43:06

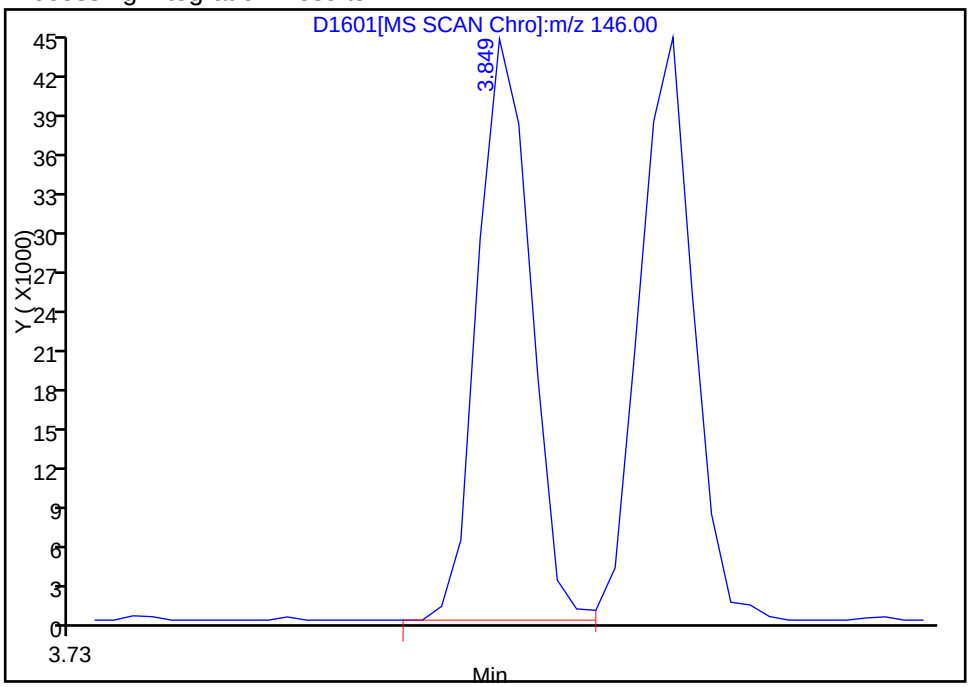
Manual Integration/User Assign Peak Report

Data File:	\\Valsvr08\ChromData\SMSA\20110929-5628.b\D1601.D		
Injection Date:	29-Sep-2011 10:51:30	Limit Group:	SMS - 1 - 8270 SVOA Calibration
Client ID:		Instrument ID:	SMSA
Lims Batch ID:	87354	Lims Sample ID:	2
Operator ID:	WDS	Injection Vol:	1.00 ul

41 1,4-Dichlorobenzene, Signal: 1, m/z: 146.0 Type: quant, RT: 3.90

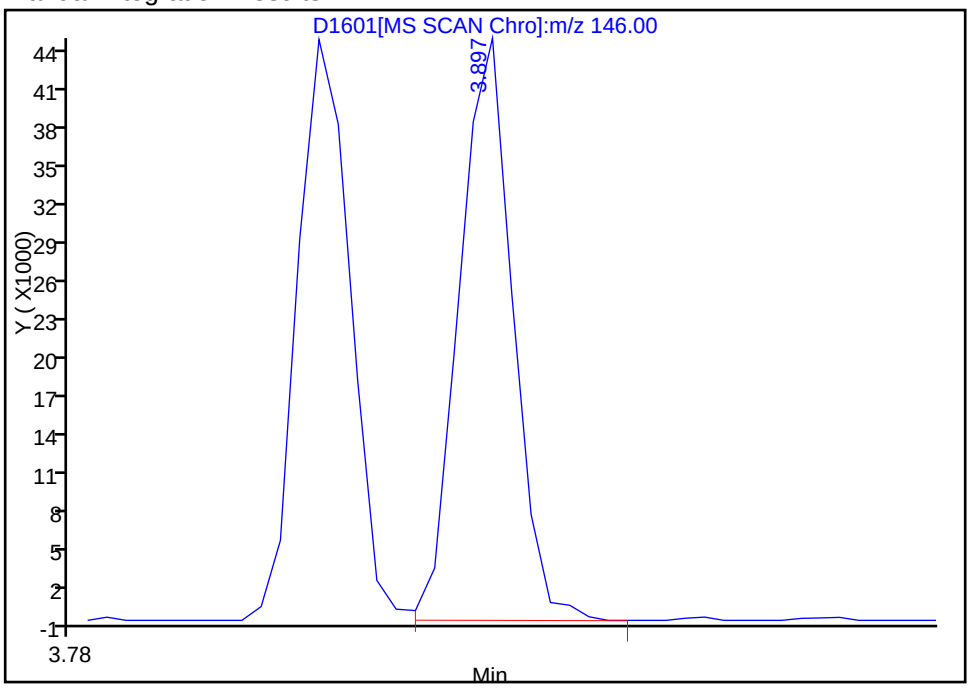
Processing Integration Results

RT: 3.85
Response: 45673
Amount: 5.000000



Manual Integration Results

RT: 3.90
Response: 46266
Amount: 5.644435



Reviewer: squiresb, 29-Sep-2011 11:14:05
Audit Action: Manually Integrated
Audit Reason: Assign Peak

Report Date: 29-Sep-2011 13:53:06 Chrom Revision: 1.2 13-Jul-2011 10:43:06

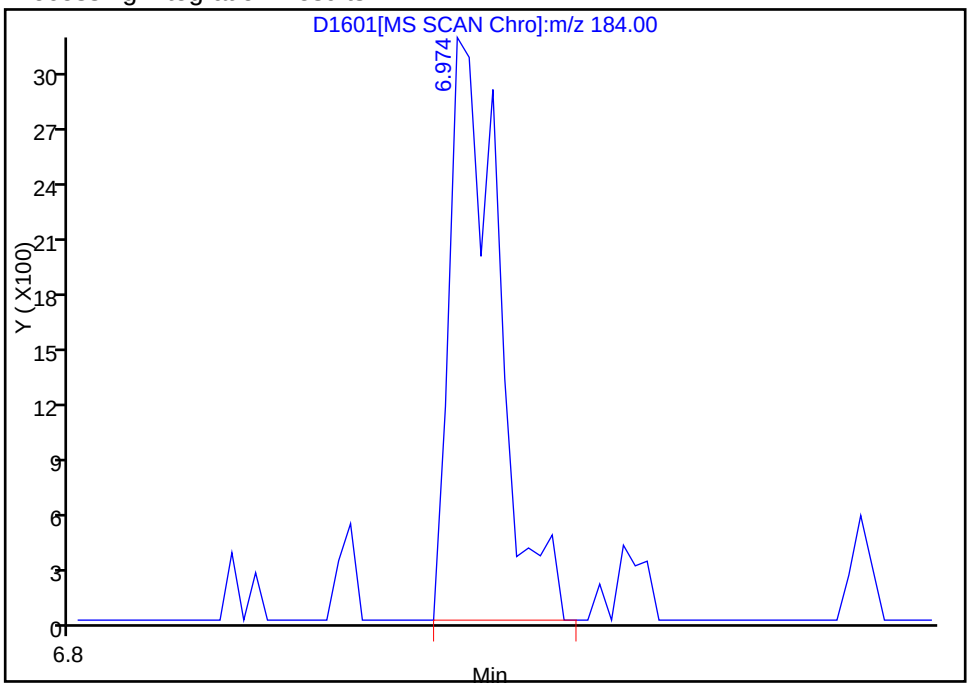
Manual Integration/User Assign Peak Report

Data File:	\\Valsvr08\ChromData\SMSA\20110929-5628.b\D1601.D		
Injection Date:	29-Sep-2011 10:51:30	Limit Group:	SMS - 1 - 8270 SVOA Calibration
Client ID:		Instrument ID:	SMSA
Lims Batch ID:	87354	Lims Sample ID:	2
Operator ID:	WDS	Injection Vol:	1.00 ul

75 2,4-Dinitrophenol, Signal: 1, m/z: 184.0 Type: quant, RT: 6.97

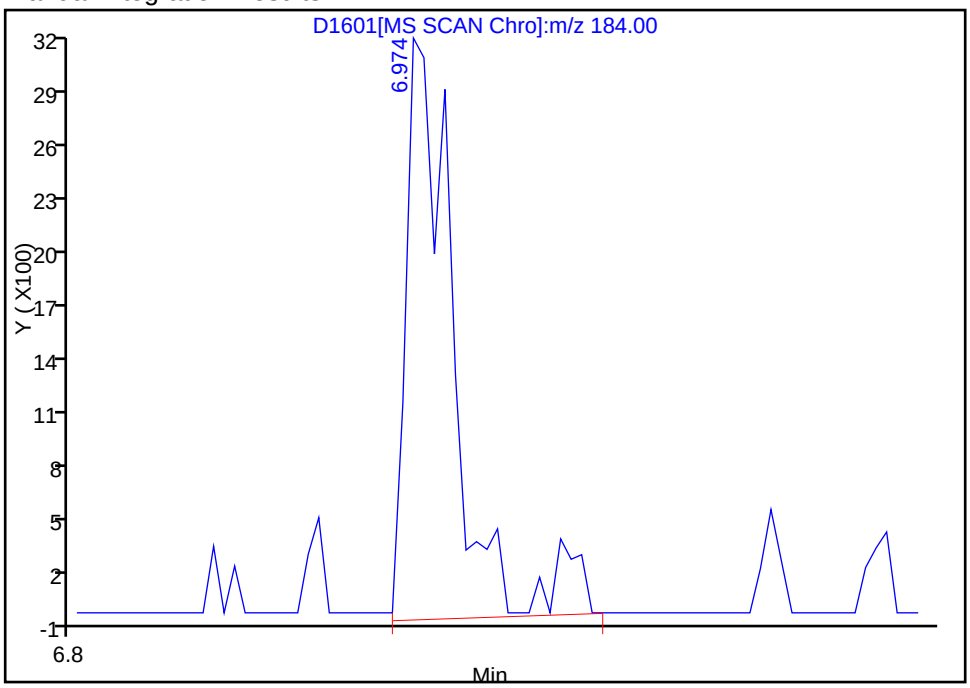
Processing Integration Results

RT: 6.97
Response: 4794
Amount: 5.000000



Manual Integration Results

RT: 6.97
Response: 5335
Amount: 2.734188



Reviewer: squiresb, 29-Sep-2011 11:14:05
Audit Action: Manually Integrated
Audit Reason: Assign Peak

Report Date: 29-Sep-2011 13:53:06 Chrom Revision: 1.2 13-Jul-2011 10:43:06

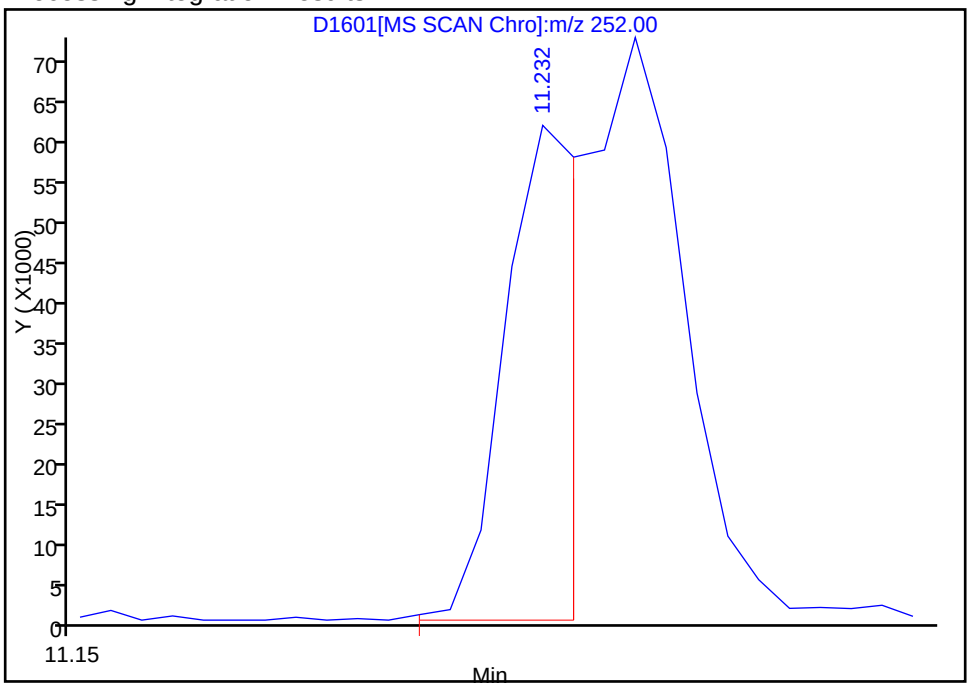
Manual Integration/User Assign Peak Report

Data File:	\\Valsvr08\ChromData\SMSA\20110929-5628.b\D1601.D		
Injection Date:	29-Sep-2011 10:51:30	Limit Group:	SMS - 1 - 8270 SVOA Calibration
Client ID:		Instrument ID:	SMSA
Lims Batch ID:	87354	Lims Sample ID:	2
Operator ID:	WDS	Injection Vol:	1.00 ul

106 Benzo[b]fluoranthene, Signal: 1, m/z: 252.0 Type: quant, RT: 11.23

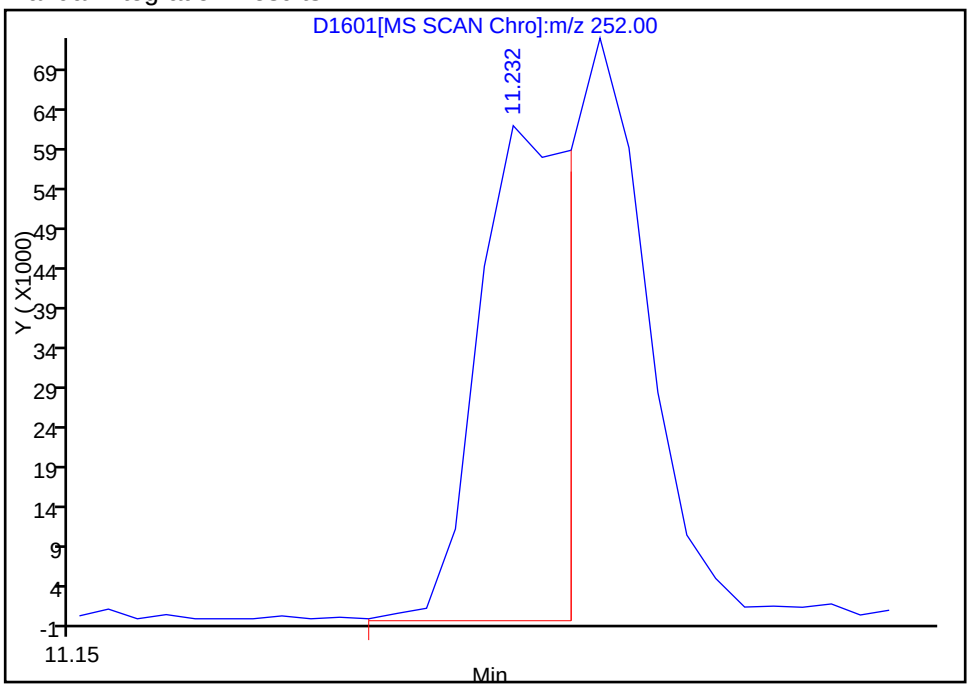
Processing Integration Results

RT: 11.23
Response: 56195
Amount: 5.000000



Manual Integration Results

RT: 11.23
Response: 75443
Amount: 5.605545



Reviewer: squiresb, 29-Sep-2011 11:14:05
Audit Action: Manually Integrated
Audit Reason: Assign Peak

Report Date: 29-Sep-2011 13:53:06 Chrom Revision: 1.2 13-Jul-2011 10:43:06

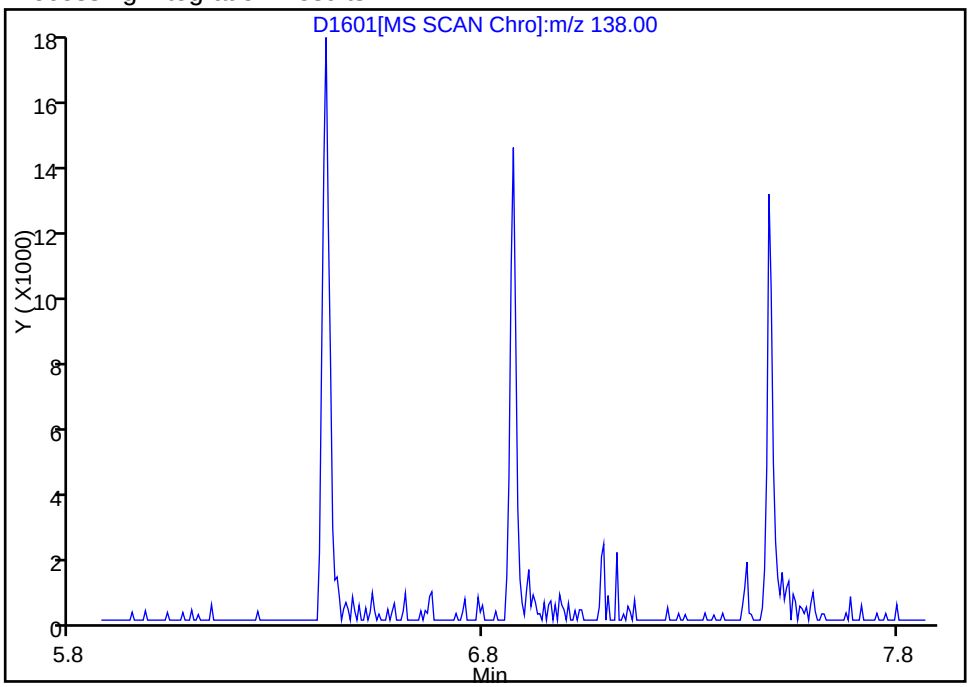
Manual Integration/User Assign Peak Report

Data File:	\\Valsvr08\ChromData\SMSA\20110929-5628.b\D1601.D		
Injection Date:	29-Sep-2011 10:51:30	Limit Group:	SMS - 1 - 8270 SVOA Calibration
Client ID:		Instrument ID:	SMSA
Lims Batch ID:	87354	Lims Sample ID:	2
Operator ID:	WDS	Injection Vol:	1.00 ul

72 3-Nitroaniline, Signal: 1, m/z: 138.0 Type: quant, RT: 6.87

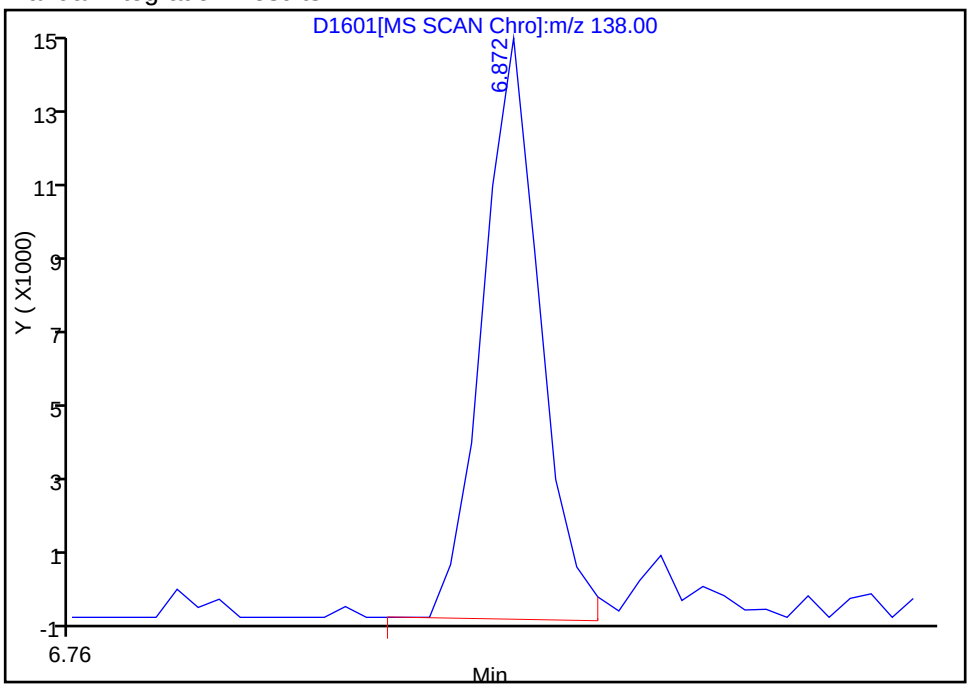
Processing Integration Results

Not Detected
Expected RT: 6.87



Manual Integration Results

RT: 6.87
Response: 14202
Amount: 4.195021



Reviewer: squiresb, 29-Sep-2011 11:14:05
Audit Action: Manually Integrated
Audit Reason: Assign Peak

Report Date: 29-Sep-2011 13:53:06 Chrom Revision: 1.2 13-Jul-2011 10:43:06

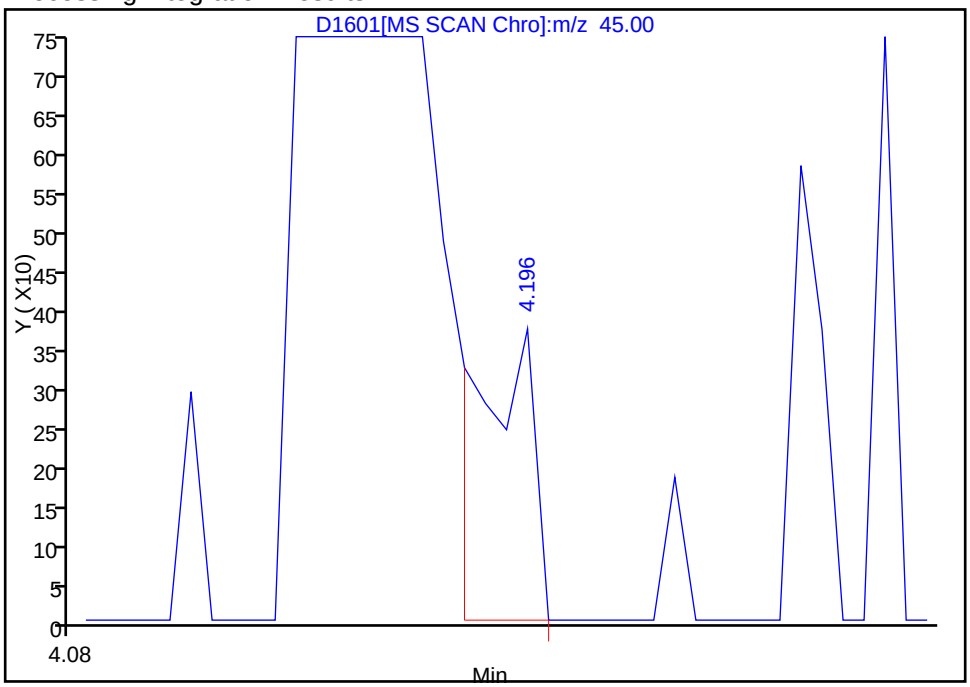
Manual Integration/User Assign Peak Report

Data File:	\\Valsvr08\ChromData\SMSA\20110929-5628.b\D1601.D		
Injection Date:	29-Sep-2011 10:51:30	Limit Group:	SMS - 1 - 8270 SVOA Calibration
Client ID:		Instrument ID:	SMSA
Lims Batch ID:	87354	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: 4.15

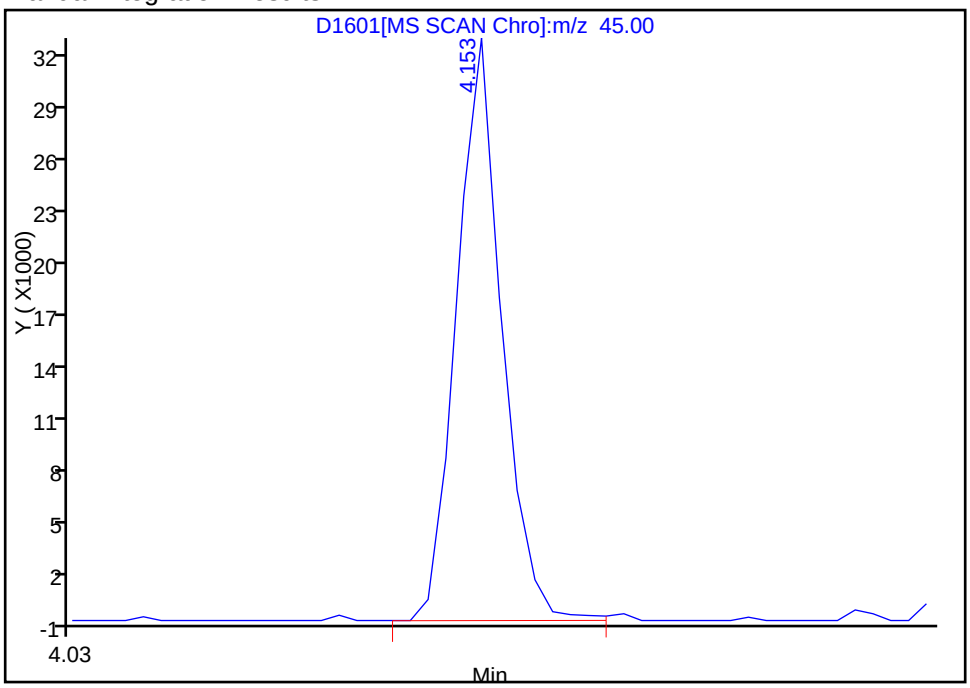
Processing Integration Results

RT: 4.20
Response: 392
Amount: 5.000000



Manual Integration Results

RT: 4.15
Response: 30313
Amount: 5.536046



Reviewer: squiresb, 29-Sep-2011 11:14:05
Audit Action: Manually Integrated
Audit Reason: Assign Peak

Report Date: 29-Sep-2011 13:53:06 Chrom Revision: 1.2 13-Jul-2011 10:43:06

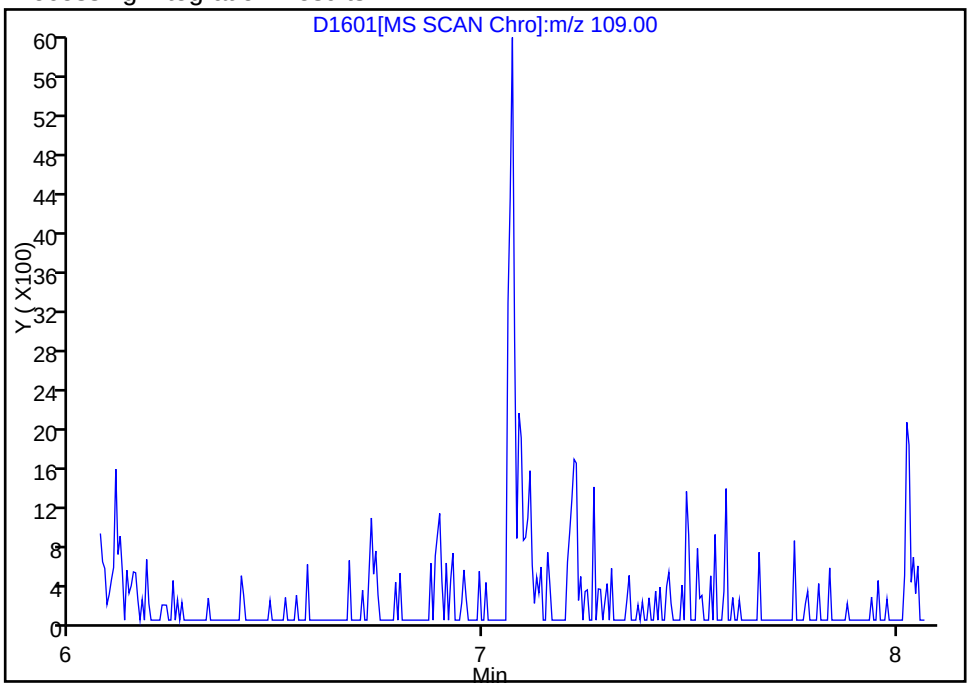
Manual Integration/User Assign Peak Report

Data File:	\\Valsvr08\ChromData\SMSA\20110929-5628.b\D1601.D		
Injection Date:	29-Sep-2011 10:51:30	Limit Group:	SMS - 1 - 8270 SVOA Calibration
Client ID:		Instrument ID:	SMSA
Lims Batch ID:	87354	Lims Sample ID:	2
Operator ID:	WDS	Injection Vol:	1.00 ul

78 4-Nitrophenol, Signal: 1, m/z: 109.0 Type: quant, RT: 7.07

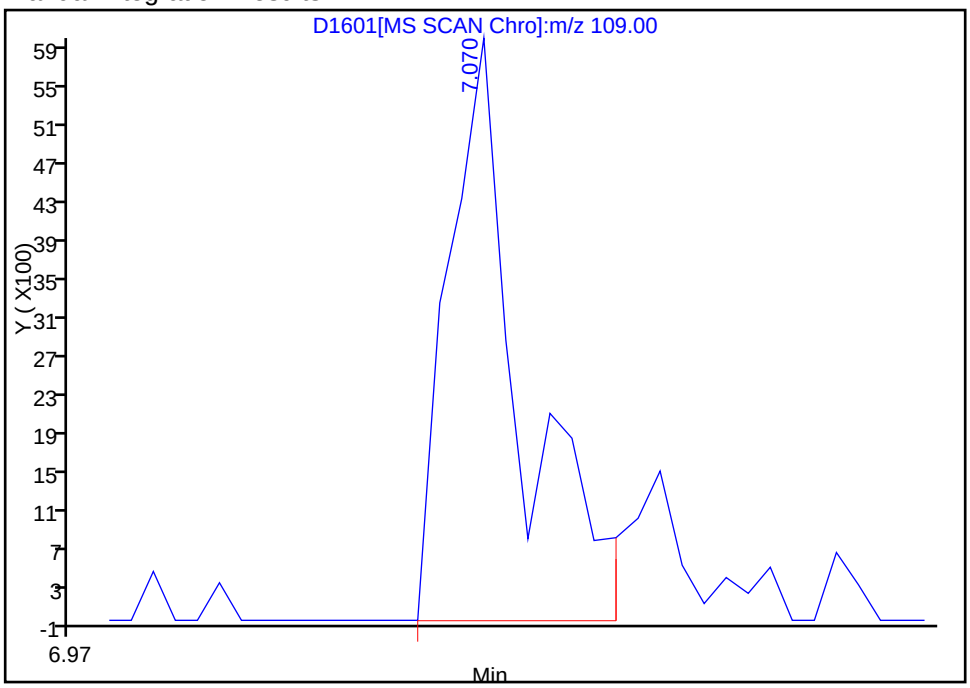
Processing Integration Results

Not Detected
Expected RT: 7.07



Manual Integration Results

RT: 7.07
Response: 7312
Amount: 2.664941



Reviewer: squiresb, 29-Sep-2011 11:14:05
Audit Action: Manually Integrated
Audit Reason: Assign Peak

Report Date: 29-Sep-2011 13:53:06 Chrom Revision: 1.2 13-Jul-2011 10:43:06

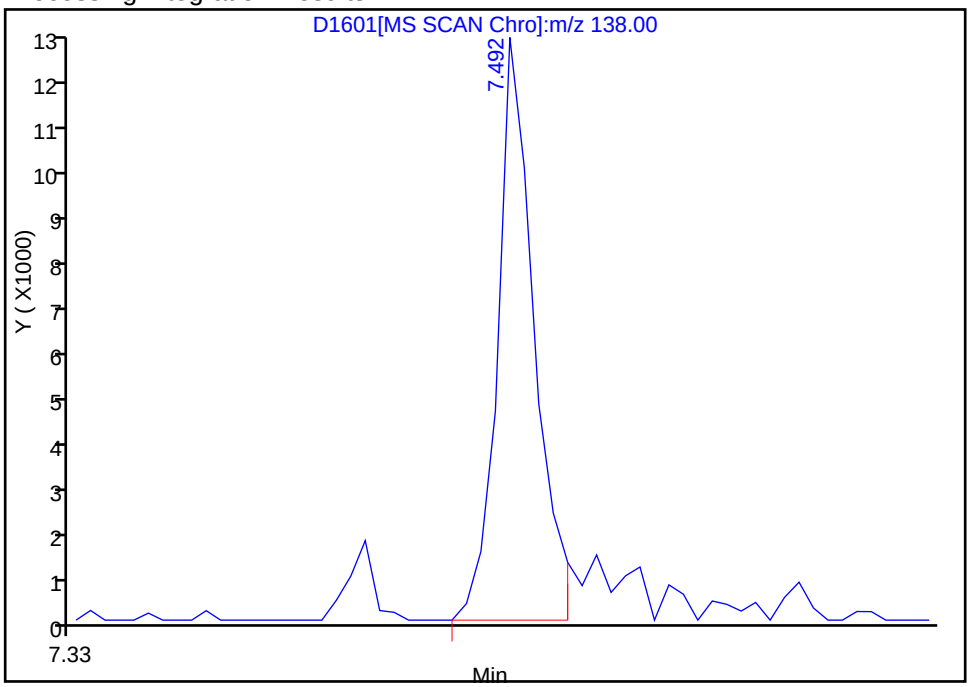
Manual Integration/User Assign Peak Report

Data File:	\\Valsvr08\ChromData\SMSA\20110929-5628.b\D1601.D		
Injection Date:	29-Sep-2011 10:51:30	Limit Group:	SMS - 1 - 8270 SVOA Calibration
Client ID:		Instrument ID:	SMSA
Lims Batch ID:	87354	Lims Sample ID:	2
Operator ID:	WDS	Injection Vol:	1.00 ul

82 4-Nitroaniline, Signal: 1, m/z: 138.0 Type: quant, RT: 7.49

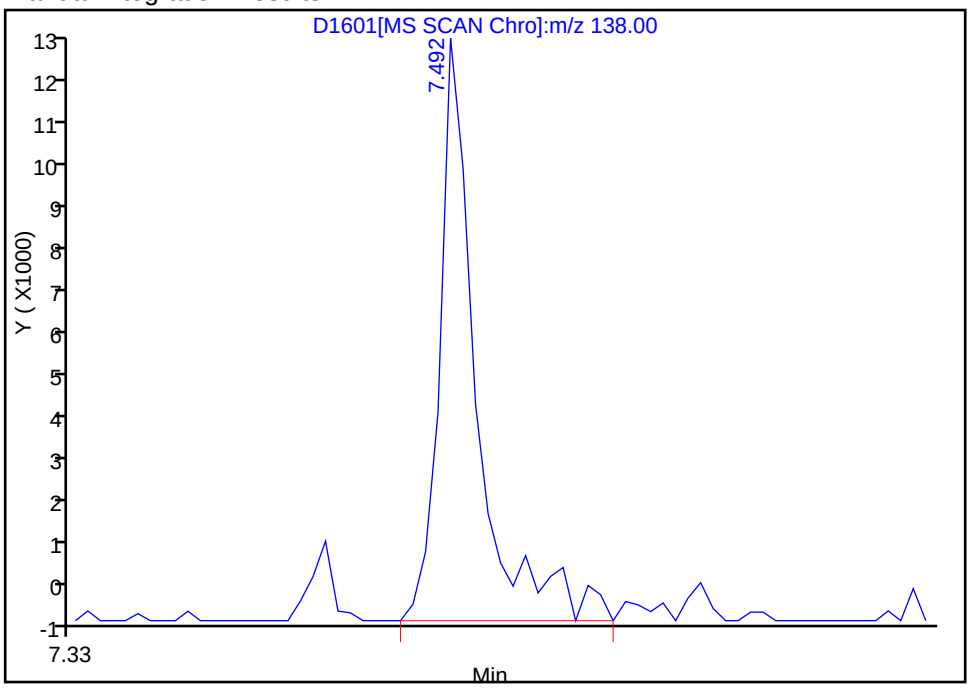
Processing Integration Results

RT: 7.49
Response: 11902
Amount: 5.000000



Manual Integration Results

RT: 7.49
Response: 13899
Amount: 4.470951



Reviewer: squiresb, 29-Sep-2011 11:14:05
Audit Action: Manually Integrated
Audit Reason: Assign Peak

Report Date: 29-Sep-2011 13:53:06 Chrom Revision: 1.2 13-Jul-2011 10:43:06

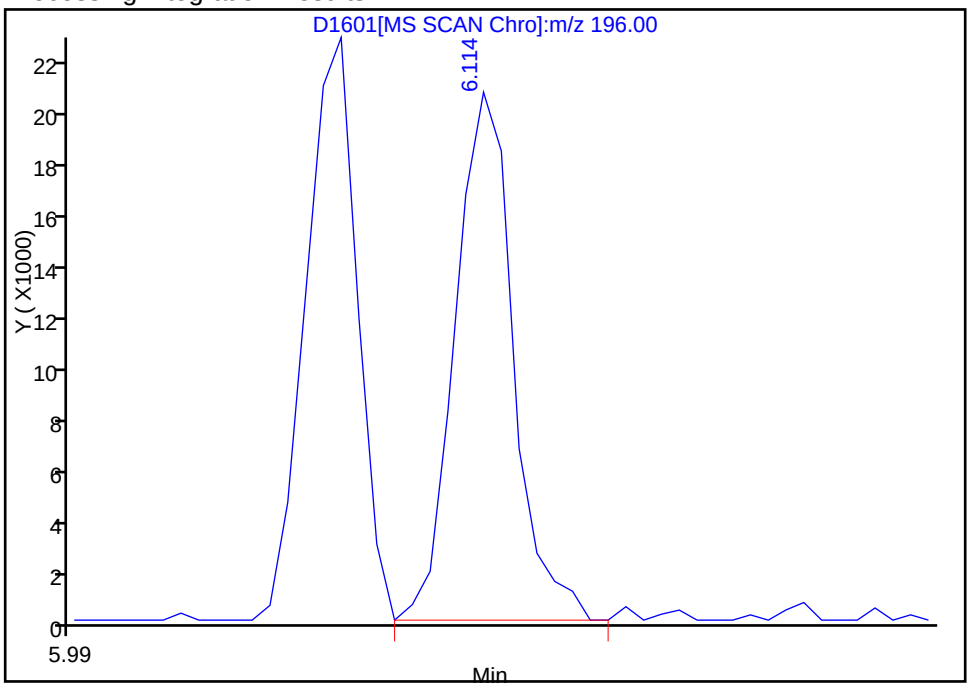
Manual Integration/User Assign Peak Report

Data File:	\\Valsvr08\ChromData\SMSA\20110929-5628.b\D1601.D		
Injection Date:	29-Sep-2011 10:51:30	Limit Group:	SMS - 1 - 8270 SVOA Calibration
Client ID:		Instrument ID:	SMSA
Lims Batch ID:	87354	Lims Sample ID:	2
Operator ID:	WDS	Injection Vol:	1.00 ul

64 2,4,6-Trichlorophenol, Signal: 1, m/z: 196.0 Type: quant, RT: 6.07

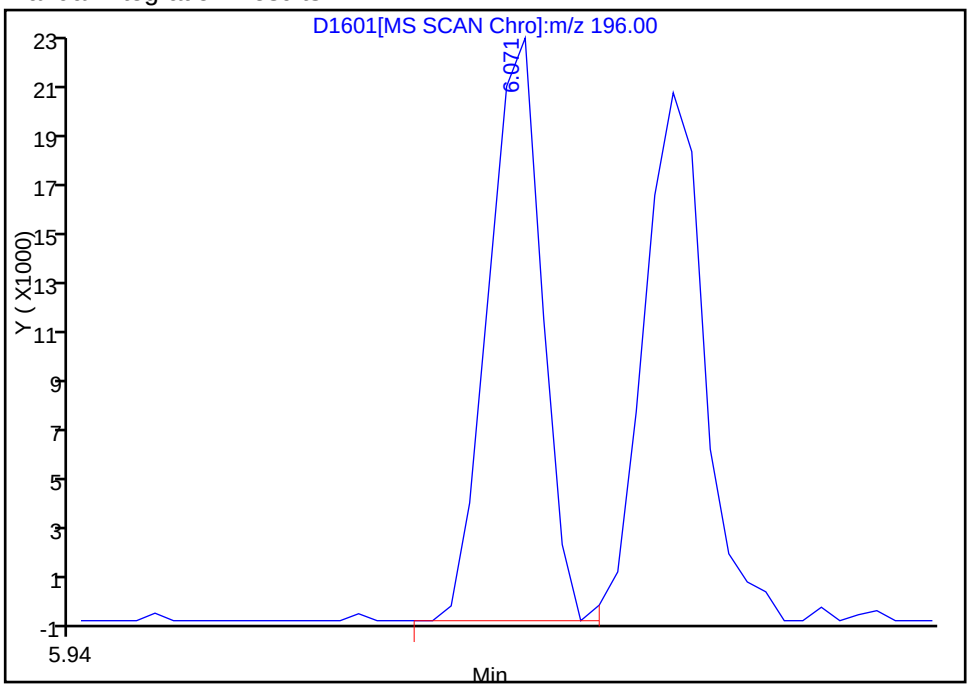
Processing Integration Results

RT: 6.11
Response: 24480
Amount: 5.000000



Manual Integration Results

RT: 6.07
Response: 24071
Amount: 4.929450



Reviewer: squiresb, 29-Sep-2011 11:14:05
Audit Action: Manually Integrated
Audit Reason: Assign Peak

Report Date: 29-Sep-2011 13:53:05 Chrom Revision: 1.2 13-Jul-2011 10:43:06

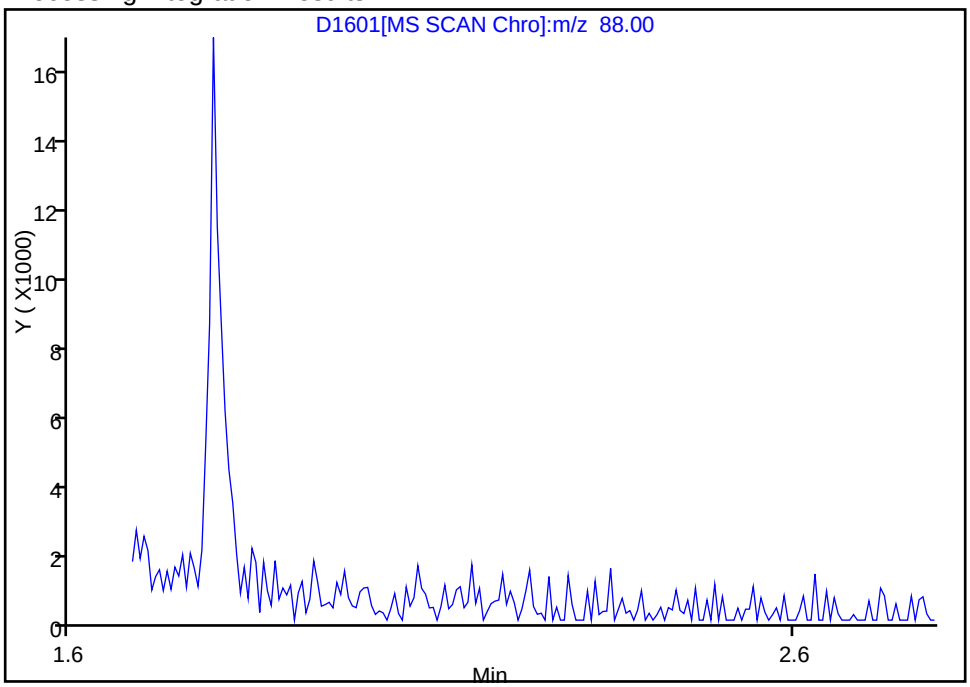
Manual Integration/User Assign Peak Report

Data File:	\\Valsvr08\ChromData\SMSA\20110929-5628.b\D1601.D		
Injection Date:	29-Sep-2011 10:51:30	Limit Group:	SMS - 1 - 8270 SVOA Calibration
Client ID:		Instrument ID:	SMSA
Lims Batch ID:	87354	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: 1.80

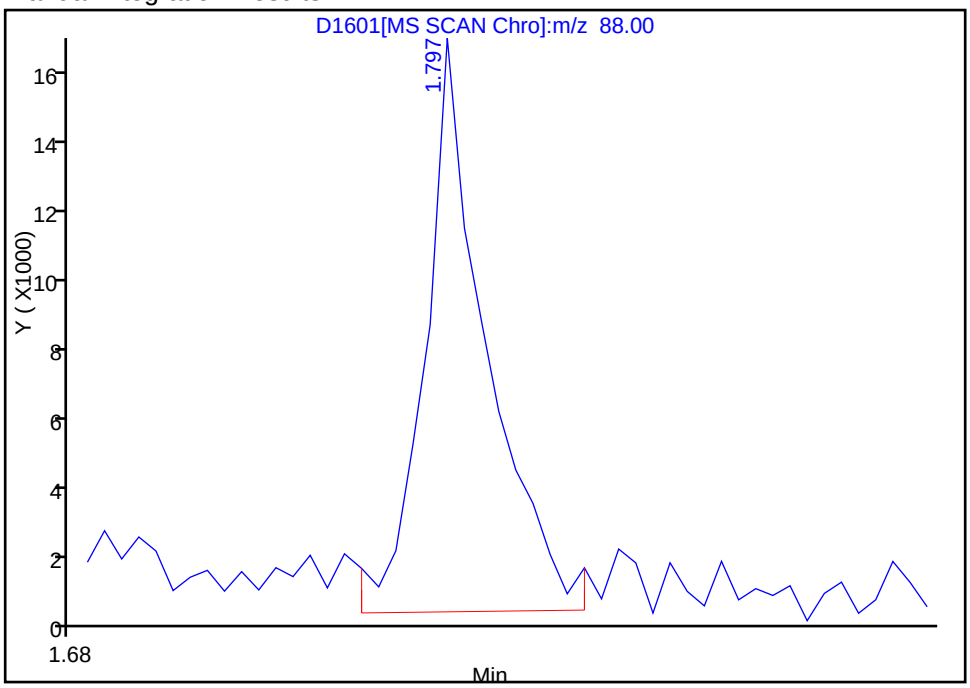
Processing Integration Results

Not Detected
Expected RT: 1.80



Manual Integration Results

RT: 1.80
Response: 21857
Amount: 4.993750



Reviewer: squiresb, 29-Sep-2011 11:14:05
Audit Action: Manually Integrated
Audit Reason: Assign Peak

Report Date: 29-Sep-2011 13:53:12 Chrom Revision: 1.2 13-Jul-2011 10:43:06

TestAmerica Laboratories
Target Compound Quantitation Report

Data File: \\Valsvr08\ChromData\SMSA\20110929-5628.b\D1602.D
Lims ID: sstd010 Client ID:
Inject. Date: 29-Sep-2011 11:10:30 Dil. Factor: 1.0000
Sample Type: IC Calib Level: 2
Sample ID: SSTD010
Misc. Info.: 510-0005628-003 =510-0005628-003
Operator: WDS Instrument ID: SMSA
Vol. Injected: 1.0000 ALS Bottle#: 3
Lims Batch ID: 87354 Lims Sample ID: 3
Sublist: chrom-8270C_SMSA*sub30
Detector: MS SCAN

Method: \\Valsvr08\ChromData\SMSA\20110929-5628.b\8270C_SMSA.m
Last Update: 29-Sep-2011 13:53:11 Calib Date: 29-Sep-2011 13:24:30
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\Valsvr08\ChromData\SMSA\20110929-5628.b\D1609.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: 29-Sep-2011 11:42:45

Compound	Sig	RT	EXP RT	DLT RT	Q	Response	On-Col Amt ug/ml	Flags
9 1,4-Dioxane	88	1.792	1.792	0.0	85	52937	9.83	
30 N-Nitrosodimethylamine	74	1.984	1.979	0.005	88	57499	9.67	
31 Pyridine	79	2.000	1.995	0.005	86	104458	9.66	
$ 32 2-Fluorophenol	112	2.855	2.855	0.0	89	92734	10.6	
$ 34 Phenol-d5	99	3.592	3.598	-0.006	0	97027	9.90	
35 Phenol	94	3.603	3.608	-0.005	88	111290	10.3	
36 Aniline	93	3.624	3.630	-0.006	39	110382	11.3	M
37 Bis(2-chloroethyl)ether	93	3.667	3.667	0.0	90	81733	10.2	
38 2-Chlorophenol	128	3.726	3.726	0.0	91	91474	10.8	
39 1,3-Dichlorobenzene	146	3.849	3.849	0.0	89	108198	11.9	
* 40 1,4-Dichlorobenzene-d4	152	3.881	3.881	0.0	84	273168	40.0	
41 1,4-Dichlorobenzene	146	3.897	3.891	0.006	89	105499	10.5	
42 Benzyl alcohol	108	4.014	4.014	0.0	84	42900	9.42	
43 1,2-Dichlorobenzene	146	4.062	4.062	0.0	88	97617	10.3	
44 2-Methylphenol	108	4.132	4.132	0.0	92	67439	9.29	
10 2,2'-oxybis(2-chloropropane)	45	4.153	4.153	0.0	0	67050	9.96	M
45 Acetophenone	105	4.260	4.260	0.0	83	97777	9.37	
47 3 & 4 Methylphenol	108	4.260	4.265	-0.005	0	74631	10.0	
46 N-Nitrosodi-n-propylamine	70	4.276	4.281	-0.005	94	64138	10.5	
48 Hexachloroethane	117	4.340	4.340	0.0	83	43426	10.2	
$ 49 Nitrobenzene-d5	82	4.404	4.404	0.0	85	106030	11.1	
50 Nitrobenzene	77	4.420	4.420	0.0	86	85641	10.1	
51 Isophorone	82	4.629	4.634	-0.005	92	137550	10.4	
52 2-Nitrophenol	139	4.720	4.719	0.001	93	41788	10.2	
53 2,4-Dimethylphenol	107	4.757	4.757	0.0	69	89232	10.8	
S 3 Methyl Phenols,Total	100				0		19.3	
54 Bis(2-chloroethoxy)methane	93	4.842	4.842	0.0	97	79643	9.34	
5 Benzoic acid	105	4.826	4.853	-0.027	85	39019	9.25	
55 2,4-Dichlorophenol	162	4.939	4.944	-0.005	93	64993	10.9	
56 1,2,4-Trichlorobenzene	180	5.019	5.019	0.0	90	80107	10.9	

Compound	Sig	RT	EXP RT	DLT RT	Q	Response	On-Col Amt ug/ml	Flags
* 57 Naphthalene-d8	136	5.061	5.061	0.0	98	748103	40.0	
58 Naphthalene	128	5.077	5.077	0.0	95	244103	11.4	
59 4-Chloroaniline	127	5.147	5.152	-0.005	79	77507	10.3	
60 Hexachlorobutadiene	225	5.254	5.254	0.0	87	61405	10.8	
61 4-Chloro-3-methylphenol	107	5.622	5.628	-0.006	97	66778	9.70	
62 2-Methylnaphthalene	141	5.745	5.745	0.0	76	124826	10.5	
63 Hexachlorocyclopentadiene	237	5.980	5.980	0.0	78	35001	11.8	
64 2,4,6-Trichlorophenol	196	6.066	6.071	-0.005	86	45249	9.69	
65 2,4,5-Trichlorophenol	196	6.108	6.114	-0.006	90	44729	9.11	
$ 66 2-Fluorobiphenyl	172	6.151	6.151	0.0	93	182751	11.4	
116 1,1'-Biphenyl	154	6.247	6.253	-0.006	0	168014	11.1	
67 2-Chloronaphthalene	162	6.263	6.263	0.0	98	140567	11.0	
68 2-Nitroaniline	65	6.418	6.418	0.0	68	42009	10.2	
69 Dimethyl phthalate	163	6.653	6.653	0.0	95	146464	10.8	
70 2,6-Dinitrotoluene	165	6.723	6.723	0.0	67	37494	10.5	
71 Acenaphthylene	152	6.728	6.733	-0.005	95	195269	10.7	
72 3-Nitroaniline	138	6.872	6.872	0.0	0	27575	8.52	M
* 73 Acenaphthene-d10	164	6.894	6.894	0.0	92	426186	40.0	
74 Acenaphthene	153	6.926	6.926	0.0	68	126958	10.7	
75 2,4-Dinitrophenol	184	6.974	6.979	-0.005	59	11912	6.38	
78 4-Nitrophenol	109	7.065	7.065	0.0	88	21112	8.05	
77 Dibenzofuran	168	7.091	7.091	0.0	83	184371	11.0	
76 2,4-Dinitrotoluene	165	7.134	7.134	0.0	70	40648	9.21	
79 Diethyl phthalate	149	7.385	7.391	-0.006	97	132537	10.2	
80 Fluorene	166	7.439	7.439	0.0	94	161598	11.1	
81 4-Chlorophenyl phenyl ether	204	7.439	7.439	0.0	72	82786	10.9	
82 4-Nitroaniline	138	7.492	7.497	-0.005	66	26914	9.05	
83 4,6-Dinitro-2-methylphenol	198	7.535	7.540	-0.005	65	24587	9.19	
84 N-Nitrosodiphenylamine	169	7.562	7.561	0.001	98	122508	10.8	
85 1,2-Diphenylhydrazine	77	7.588	7.594	-0.006	90	144552	10.9	
$ 86 2,4,6-Tribromophenol	141	7.684	7.690	-0.006	64	7358	7.94	
87 4-Bromophenyl phenyl ether	248	7.898	7.898	0.0	62	42875	10.6	
88 Hexachlorobenzene	284	8.032	8.032	0.0	78	38925	10.2	
89 Pentachlorophenol	266	8.192	8.192	0.0	71	21712	8.14	
* 90 Phenanthrene-d10	188	8.293	8.293	0.0	97	633370	40.0	
91 Phenanthrene	178	8.315	8.315	0.0	82	203617	11.3	
92 Anthracene	178	8.352	8.352	0.0	96	203171	11.3	
93 Carbazole	167	8.496	8.496	0.0	71	171753	10.7	
94 Di-n-butyl phthalate	149	8.828	8.828	0.0	98	184399	11.0	
95 Fluoranthene	202	9.298	9.298	0.0	95	218450	11.3	
96 Benzidine	184	9.394	9.399	-0.005	88	63123	5.86	
97 Pyrene	202	9.474	9.474	0.0	91	216059	10.6	
$ 98 Terphenyl-d14	244	9.592	9.592	0.0	98	151808	10.5	
99 Butyl benzyl phthalate	149	9.987	9.987	0.0	95	85972	10.3	
100 3,3'-Dichlorobenzidine	252	10.388	10.388	0.0	94	59627	1.93	
101 Benzo[a]anthracene	228	10.409	10.404	0.005	96	205112	11.1	
* 103 Chrysene-d12	240	10.420	10.420	0.0	97	571854	40.0	
102 Bis(2-ethylhexyl) phthalate	149	10.441	10.436	0.005	93	102515	10.3	
104 Chrysene	228	10.441	10.436	0.005	73	193553	11.0	
105 Di-n-octyl phthalate	149	10.900	10.895	0.005	99	157060	11.3	
106 Benzo[b]fluoranthene	252	11.232	11.226	0.006	91	169509	11.0	
107 Benzo[k]fluoranthene	252	11.248	11.242	0.006	94	179451	11.3	M

Compound	Sig	RT	EXP RT	DLT RT	Q	Response	On-Col Amt ug/ml	Flags
108 Benzo[a]pyrene	252	11.472	11.467	0.005	70	140172	10.9	
* 109 Perylene-d12	264	11.515	11.504	0.011	98	443312	40.0	
110 Indeno[1,2,3-cd]pyrene	276	12.247	12.236	0.011	89	127476	9.71	
111 Dibenz(a,h)anthracene	278	12.247	12.236	0.011	62	113553	10.6	
24 Benzo[g,h,i]perylene	276	12.423	12.412	0.011	85	111242	10.1	

QC Flag Legend

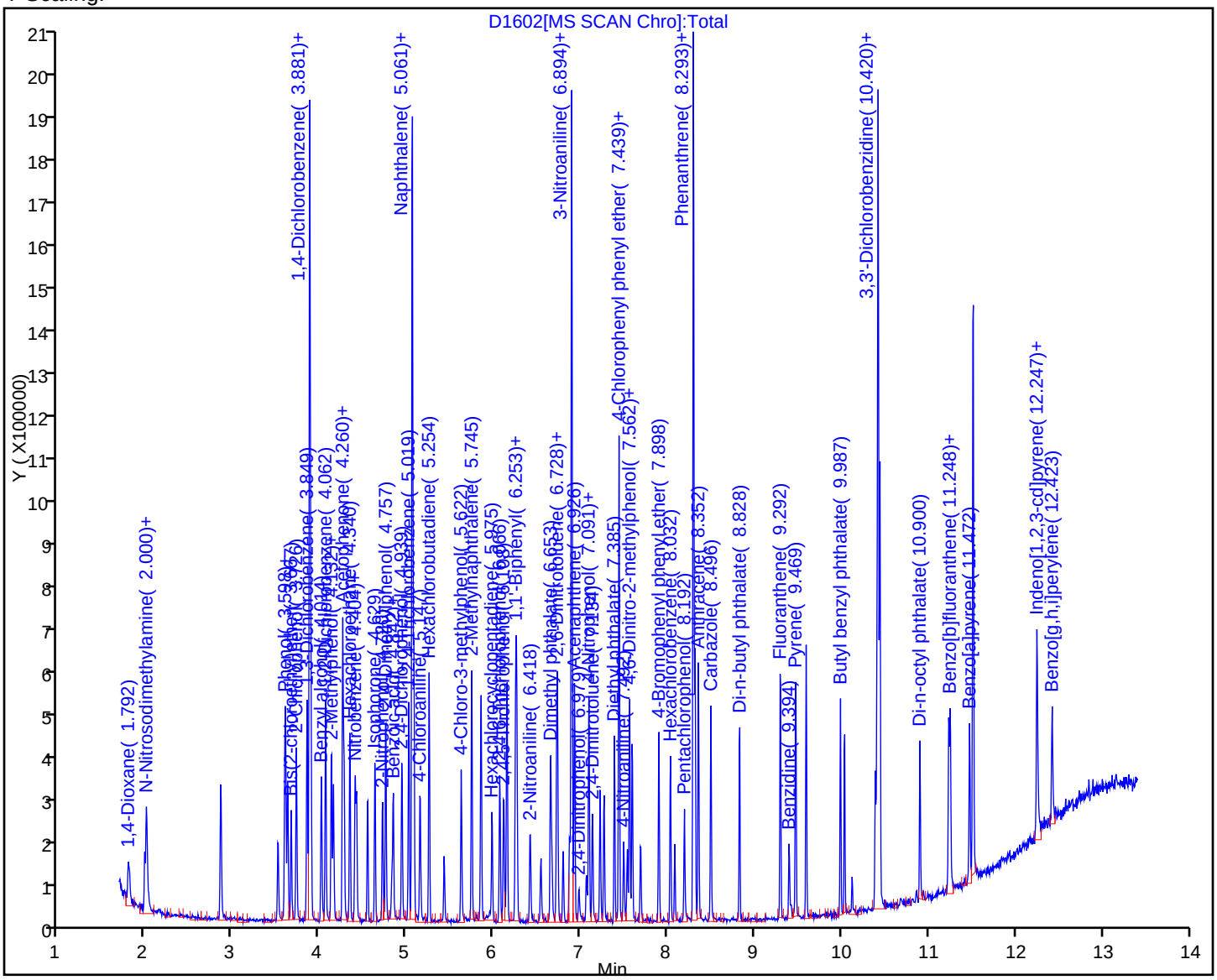
Review Flags
M - Manually Integrated

Report Date: 29-Sep-2011 13:53:12 Chrom Revision: 1.2 13-Jul-2011 10:43:06

Data File: \\Valsvr08\ChromData\SMSA\20110929-5628.b\D1602.D

Injection Date:	29-Sep-2011 11:10:30	Limit Group:	SMS - 1 - 8270 SVOA Calibration
Client ID:		Instrument ID:	SMSA
Lims Batch ID:	87354	Lims Sample ID:	3
Operator ID:	WDS	Injection Vol:	1.00 ul

Y Scaling:



Report Date: 29-Sep-2011 13:53:12 Chrom Revision: 1.2 13-Jul-2011 10:43:06

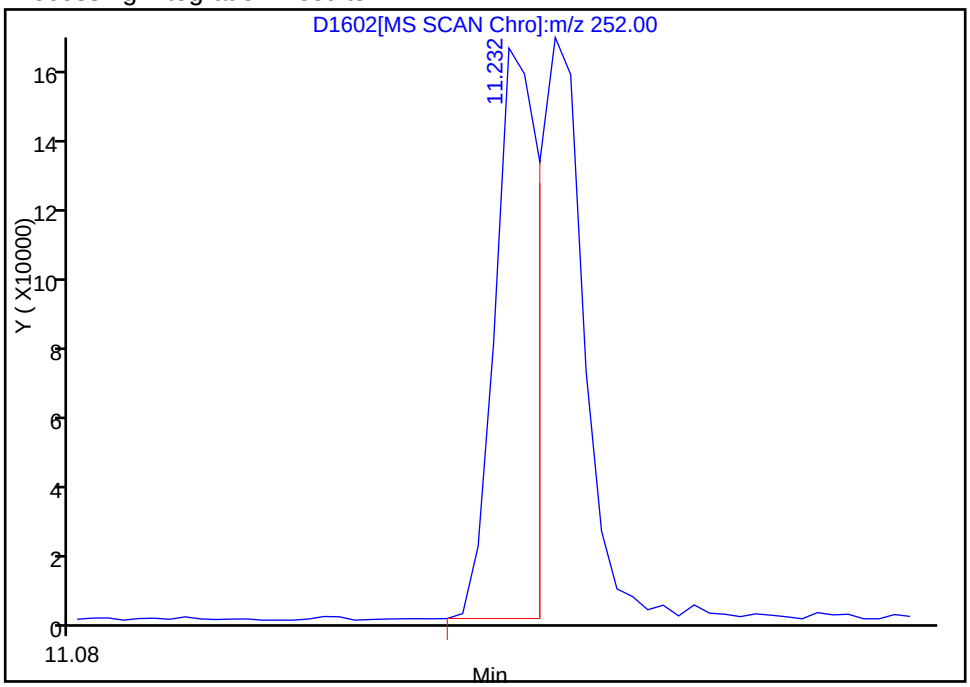
Manual Integration/User Assign Peak Report

Data File:	\\Valsvr08\ChromData\SMSA\20110929-5628.b\D1602.D		
Injection Date:	29-Sep-2011 11:10:30	Limit Group:	SMS - 1 - 8270 SVOA Calibration
Client ID:		Instrument ID:	SMSA
Lims Batch ID:	87354	Lims Sample ID:	3
Operator ID:	WDS	Injection Vol:	1.00 ul

107 Benzo[k]fluoranthene, Signal: 1, m/z: 252.0 Type: quant, RT: 11.24

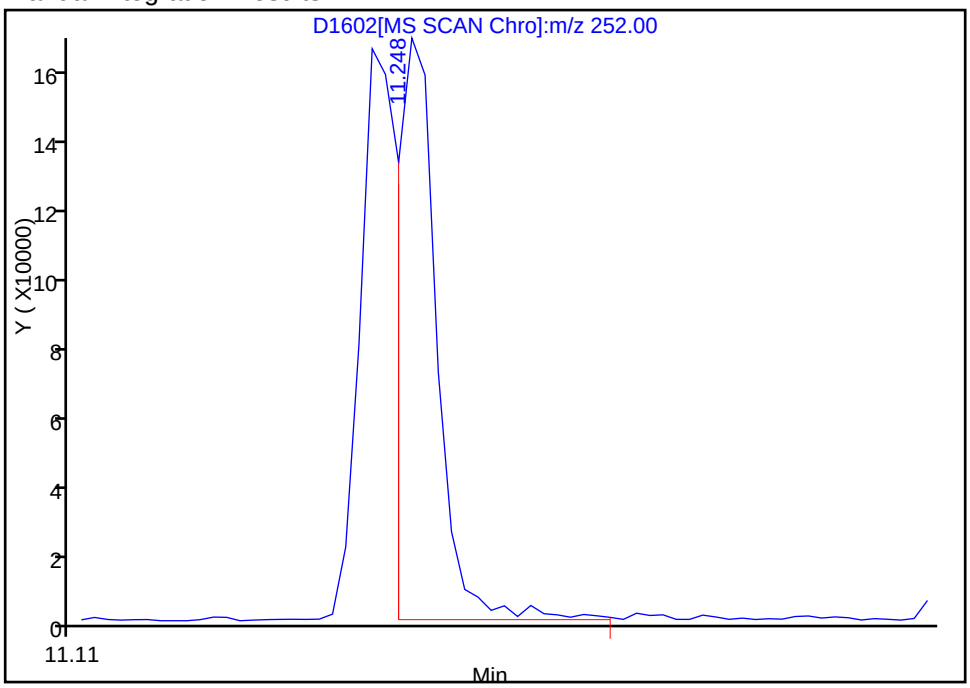
Processing Integration Results

RT: 11.23
Response: 169509
Amount: 9.847641



Manual Integration Results

RT: 11.25
Response: 179451
Amount: 11.329795



Reviewer: squiresb, 29-Sep-2011 11:42:45
Audit Action: Manually Integrated
Audit Reason: Assign Peak

Report Date: 29-Sep-2011 13:53:12 Chrom Revision: 1.2 13-Jul-2011 10:43:06

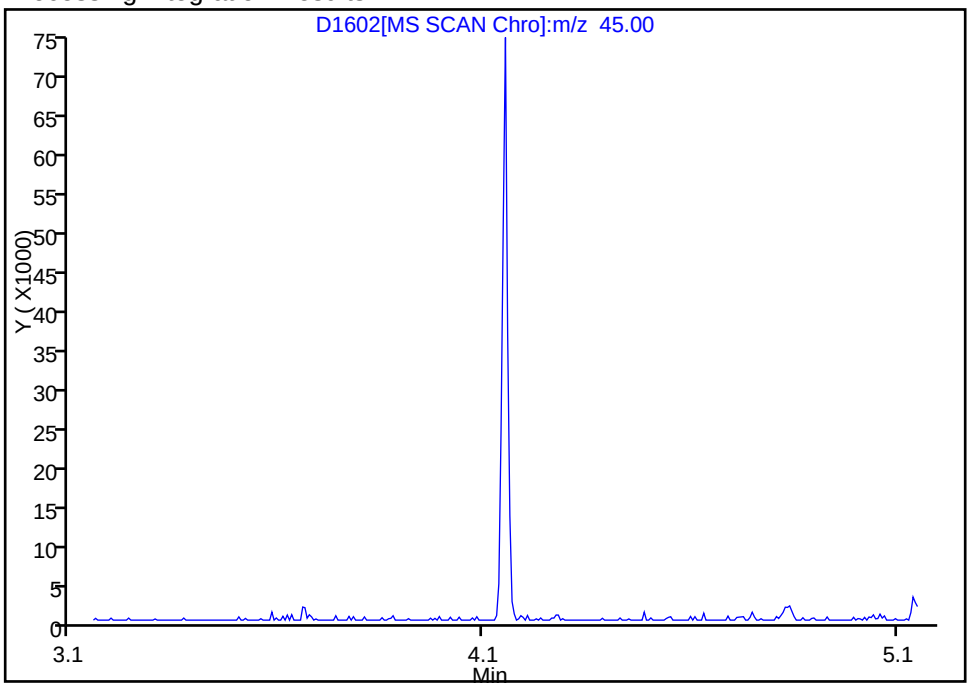
Manual Integration/User Assign Peak Report

Data File:	\\Valsvr08\ChromData\SMSA\20110929-5628.b\D1602.D		
Injection Date:	29-Sep-2011 11:10:30	Limit Group:	SMS - 1 - 8270 SVOA Calibration
Client ID:		Instrument ID:	SMSA
Lims Batch ID:	87354	Lims Sample ID:	3
Operator ID:	WDS	Injection Vol:	1.00 ul

10 2,2'-oxybis(2-chloropropane), Signal: 1, m/z: 45.0 Type: quant, RT: 4.15

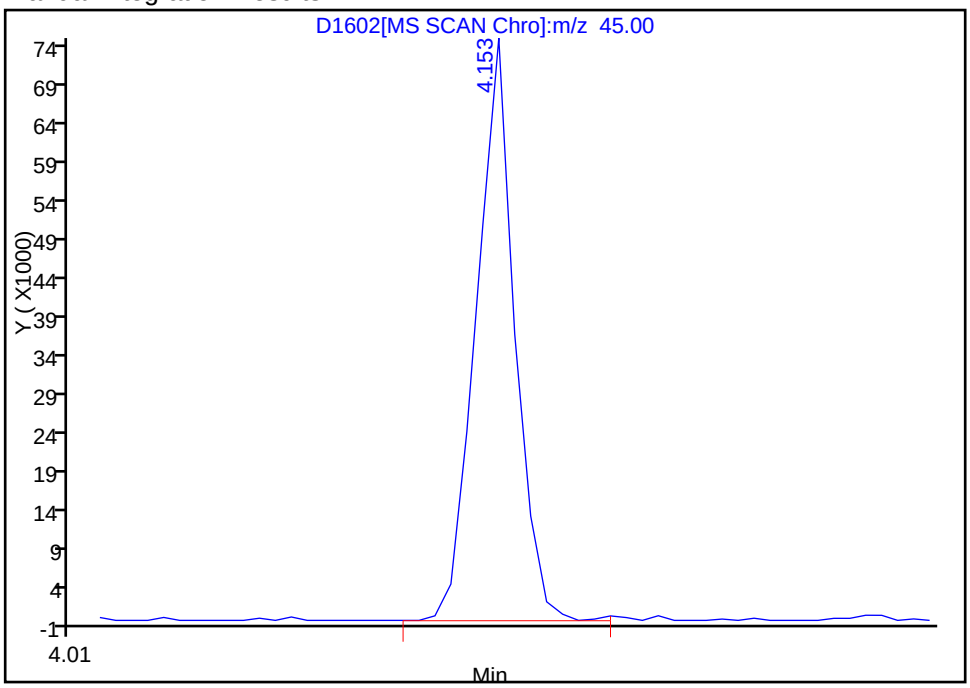
Processing Integration Results

Not Detected
Expected RT: 4.15



Manual Integration Results

RT: 4.15
Response: 67050
Amount: 9.957243



Reviewer: squiresb, 29-Sep-2011 11:42:45
Audit Action: Manually Integrated
Audit Reason: Assign Peak

Report Date: 29-Sep-2011 13:53:12 Chrom Revision: 1.2 13-Jul-2011 10:43:06

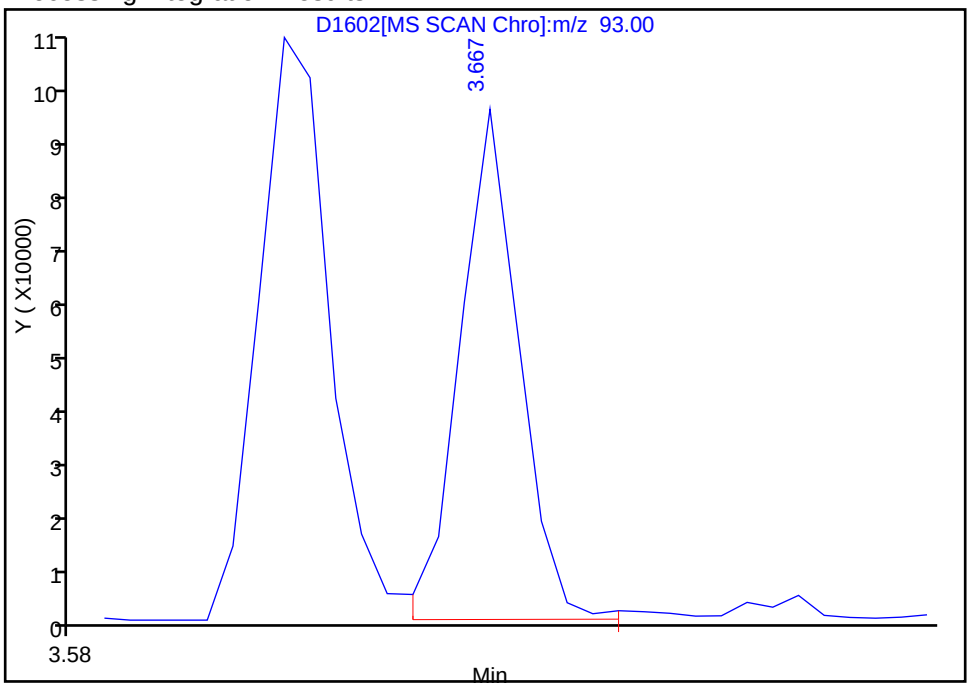
Manual Integration/User Assign Peak Report

Data File:	\\Valsvr08\ChromData\SMSA\20110929-5628.b\D1602.D		
Injection Date:	29-Sep-2011 11:10:30	Limit Group:	SMS - 1 - 8270 SVOA Calibration
Client ID:		Instrument ID:	SMSA
Lims Batch ID:	87354	Lims Sample ID:	3
Operator ID:	WDS	Injection Vol:	1.00 ul

36 Aniline, Signal: 1, m/z: 93.0 Type: quant, RT: 3.63

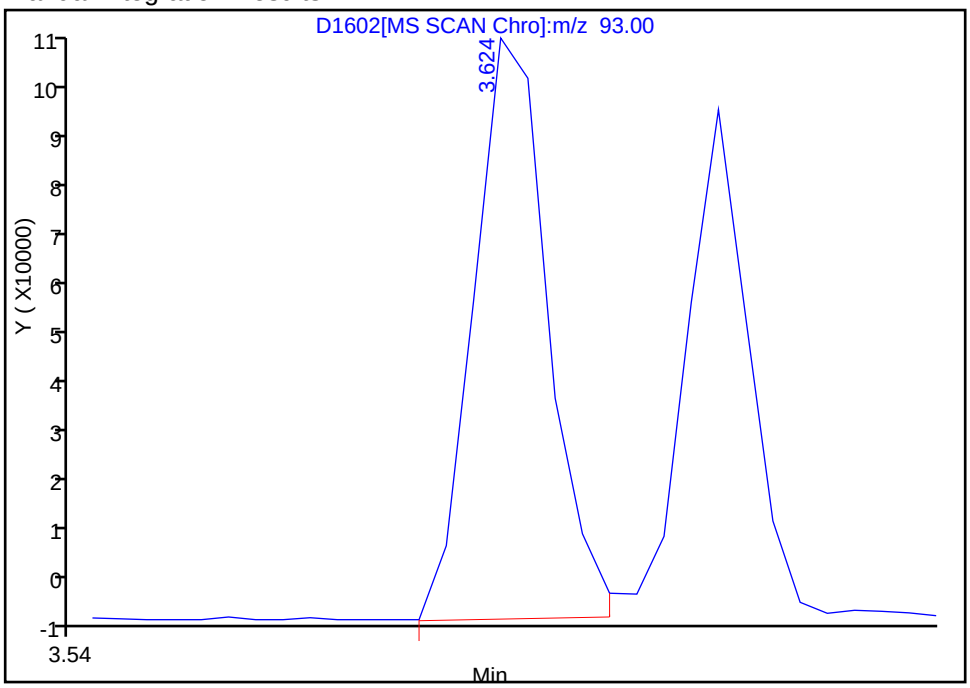
Processing Integration Results

RT: 3.67
Response: 81733
Amount: 10.000000



Manual Integration Results

RT: 3.62
Response: 110382
Amount: 11.305154



Reviewer: squiresb, 29-Sep-2011 11:42:45
Audit Action: Manually Integrated
Audit Reason: Assign Peak

Report Date: 29-Sep-2011 13:53:12 Chrom Revision: 1.2 13-Jul-2011 10:43:06

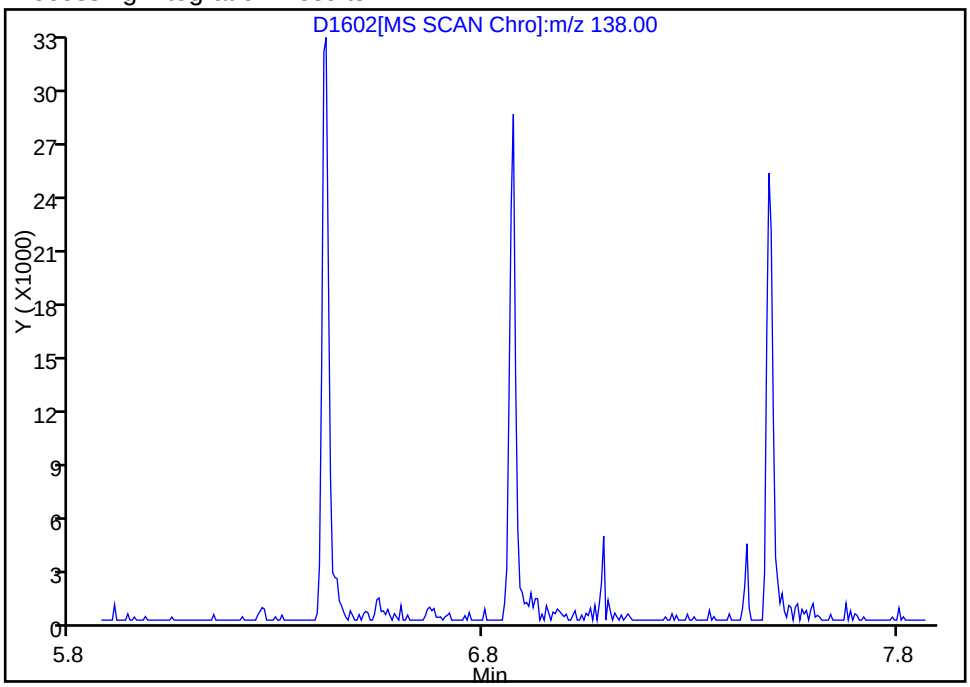
Manual Integration/User Assign Peak Report

Data File:	\\Valsvr08\ChromData\SMSA\20110929-5628.b\D1602.D		
Injection Date:	29-Sep-2011 11:10:30	Limit Group:	SMS - 1 - 8270 SVOA Calibration
Client ID:		Instrument ID:	SMSA
Lims Batch ID:	87354	Lims Sample ID:	3
Operator ID:	WDS	Injection Vol:	1.00 ul

72 3-Nitroaniline, Signal: 1, m/z: 138.0 Type: quant, RT: 6.87

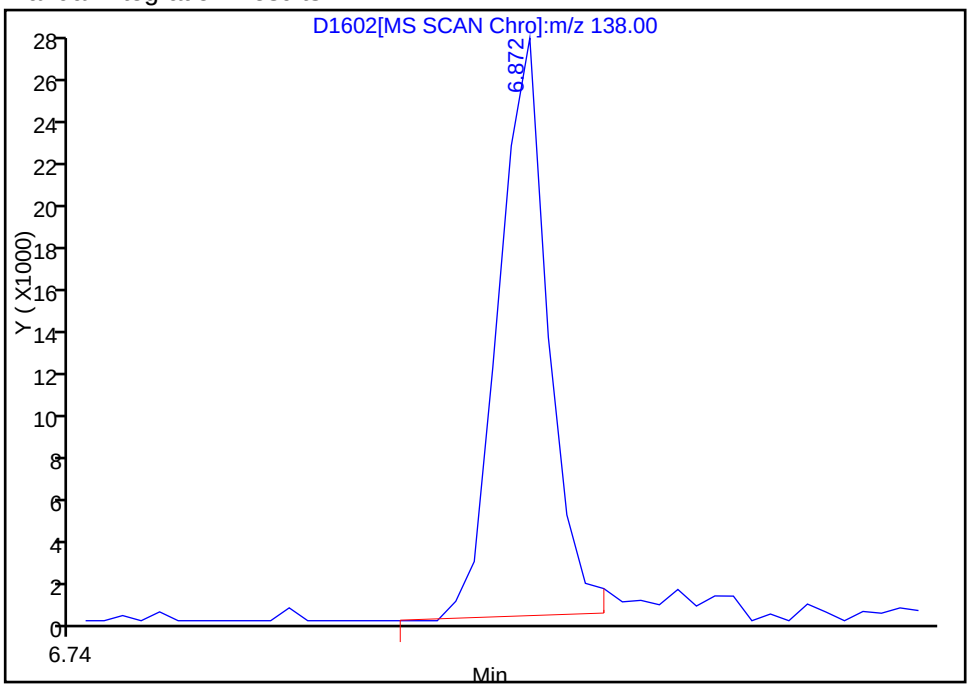
Processing Integration Results

Not Detected
Expected RT: 6.87



Manual Integration Results

RT: 6.87
Response: 27575
Amount: 8.517371



Reviewer: squiresb, 29-Sep-2011 11:42:45
Audit Action: Manually Integrated
Audit Reason: Assign Peak

Report Date: 29-Sep-2011 13:59:09 Chrom Revision: 1.2 13-Jul-2011 10:43:06

TestAmerica Laboratories
Target Compound Quantitation Report

Data File: \\Valsvr08\ChromData\SMSA\20110929-5628.b\D1603.D
Lims ID: sstd020 Client ID:
Inject. Date: 29-Sep-2011 11:29:30 Dil. Factor: 1.0000
Sample Type: IC Calib Level: 3
Sample ID: SSTD020
Misc. Info.: 510-0005628-004 =510-0005628-004
Operator: WDS Instrument ID: SMSA
Vol. Injected: 1.0000 ALS Bottle#: 4
Lims Batch ID: 87354 Lims Sample ID: 4
Sublist: chrom-8270C_SMSA*sub30
Detector: MS SCAN

Method: \\Valsvr08\ChromData\SMSA\20110929-5628.b\8270C_SMSA.m
Last Update: 29-Sep-2011 13:59:08 Calib Date: 29-Sep-2011 13:43:30
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\Valsvr08\ChromData\SMSA\20110929-5628.b\D1610.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: 29-Sep-2011 11:57:27

Compound	Sig	RT	EXP RT	DLT RT	Q	Response	On-Col Amt ug/ml	Flags
9 1,4-Dioxane	88	1.803	1.792	0.011	81	95418	22.6	
30 N-Nitrosodimethylamine	74	1.984	1.979	0.005	90	96306	20.6	
31 Pyridine	79	2.000	1.995	0.005	91	178977	21.1	
$ 32 2-Fluorophenol	112	2.855	2.855	0.0	88	143028	21.0	
$ 34 Phenol-d5	99	3.592	3.598	-0.006	0	168621	22.0	
35 Phenol	94	3.603	3.608	-0.005	87	179264	21.2	
36 Aniline	93	3.624	3.667	-0.043	33	178445	23.1	M
37 Bis(2-chloroethyl)ether	93	3.667	3.667	0.0	96	125111	19.8	
38 2-Chlorophenol	128	3.726	3.726	0.0	95	140369	21.3	
39 1,3-Dichlorobenzene	146	3.849	3.849	0.0	92	166873	19.5	
* 40 1,4-Dichlorobenzene-d4	152	3.881	3.881	0.0	80	216124	40.0	
41 1,4-Dichlorobenzene	146	3.897	3.891	0.006	89	165676	21.0	
42 Benzyl alcohol	108	4.014	4.014	0.0	77	76656	21.2	
43 1,2-Dichlorobenzene	146	4.062	4.062	0.0	91	157212	21.2	
44 2-Methylphenol	108	4.132	4.132	0.0	94	124090	21.8	
10 2,2'-oxybis(2-chloropropane)	45	4.153	4.153	0.0	0	108838	20.4	M
45 Acetophenone	105	4.260	4.260	0.0	88	181991	22.3	
47 3 & 4 Methylphenol	108	4.265	4.265	0.0	0	121475	20.7	
46 N-Nitrosodi-n-propylamine	70	4.276	4.281	-0.005	96	98295	20.5	
48 Hexachloroethane	117	4.340	4.340	0.0	81	68479	20.5	
$ 49 Nitrobenzene-d5	82	4.399	4.404	-0.005	89	163128	19.9	
50 Nitrobenzene	77	4.420	4.420	0.0	85	153262	21.1	
51 Isophorone	82	4.629	4.634	-0.005	93	239085	21.0	
52 2-Nitrophenol	139	4.720	4.719	0.001	93	72598	20.3	
53 2,4-Dimethylphenol	107	4.757	4.757	0.0	60	149969	21.0	
S 3 Methyl Phenols,Total	100				0		42.5	
54 Bis(2-chloroethoxy)methane	93	4.842	4.842	0.0	96	143849	21.4	
5 Benzoic acid	105	4.837	4.853	-0.016	50	94037	20.7	
55 2,4-Dichlorophenol	162	4.939	4.944	-0.005	93	116049	20.5	
56 1,2,4-Trichlorobenzene	180	5.019	5.019	0.0	90	133577	21.1	

Compound	Sig	RT	EXP RT	DLT RT	Q	Response	On-Col Amt ug/ml	Flags
* 57 Naphthalene-d8	136	5.061	5.061	0.0	96	653290	40.0	
58 Naphthalene	128	5.077	5.077	0.0	96	405730	22.2	
59 4-Chloroaniline	127	5.152	5.152	0.0	85	146214	22.7	
60 Hexachlorobutadiene	225	5.254	5.254	0.0	88	102020	20.8	
61 4-Chloro-3-methylphenol	107	5.622	5.628	-0.006	99	125633	20.9	
62 2-Methylnaphthalene	141	5.745	5.745	0.0	82	223693	21.8	
63 Hexachlorocyclopentadiene	237	5.980	5.980	0.0	88	69334	26.3	
64 2,4,6-Trichlorophenol	196	6.066	6.071	-0.005	91	93667	21.0	
65 2,4,5-Trichlorophenol	196	6.114	6.114	0.0	92	96299	20.5	
$ 66 2-Fluorobiphenyl	172	6.151	6.151	0.0	92	322744	21.4	
116 1,1'-Biphenyl	154	6.247	6.253	-0.006	0	298660	21.0	
67 2-Chloronaphthalene	162	6.263	6.263	0.0	99	261209	21.6	
68 2-Nitroaniline	65	6.413	6.418	-0.005	75	78819	19.8	
69 Dimethyl phthalate	163	6.653	6.653	0.0	98	282211	21.8	
70 2,6-Dinitrotoluene	165	6.723	6.723	0.0	71	69680	20.2	
71 Acenaphthylene	152	6.728	6.733	-0.005	92	381702	22.3	
72 3-Nitroaniline	138	6.872	6.872	0.0	0	71584	22.9	M
* 73 Acenaphthene-d10	164	6.894	6.894	0.0	91	409701	40.0	
74 Acenaphthene	153	6.926	6.926	0.0	81	236914	21.0	
75 2,4-Dinitrophenol	184	6.979	6.979	0.0	77	34983	18.8	
78 4-Nitrophenol	109	7.059	7.065	-0.006	84	49855	19.5	
77 Dibenzofuran	168	7.092	7.091	0.001	82	340626	21.5	
76 2,4-Dinitrotoluene	165	7.134	7.134	0.0	87	94797	22.2	
79 Diethyl phthalate	149	7.391	7.391	0.0	99	272869	22.1	
80 Fluorene	166	7.439	7.439	0.0	80	297896	21.7	
81 4-Chlorophenyl phenyl ether	204	7.444	7.439	0.005	84	156586	21.6	
82 4-Nitroaniline	138	7.492	7.497	-0.005	69	60233	20.9	
83 4,6-Dinitro-2-methylphenol	198	7.535	7.540	-0.005	70	57197	20.4	
84 N-Nitrosodiphenylamine	169	7.562	7.561	0.001	98	250991	21.8	
85 1,2-Diphenylhydrazine	77	7.594	7.594	0.0	91	285650	21.2	
$ 86 2,4,6-Tribromophenol	141	7.684	7.690	-0.006	72	18170	20.3	
87 4-Bromophenyl phenyl ether	248	7.898	7.898	0.0	62	84533	20.3	
88 Hexachlorobenzene	284	8.032	8.032	0.0	85	82808	21.1	
89 Pentachlorophenol	266	8.192	8.192	0.0	87	52590	18.8	
* 90 Phenanthrene-d10	188	8.294	8.293	0.001	97	656338	40.0	
91 Phenanthrene	178	8.315	8.315	0.0	83	390851	21.5	
92 Anthracene	178	8.352	8.352	0.0	96	403633	22.3	
93 Carbazole	167	8.497	8.496	0.0	77	363969	22.4	
94 Di-n-butyl phthalate	149	8.828	8.828	0.0	98	380115	22.4	
95 Fluoranthene	202	9.298	9.298	0.0	97	437526	22.4	
96 Benzidine	184	9.399	9.399	0.0	96	732542	77.0	M
97 Pyrene	202	9.474	9.474	0.0	91	445555	22.4	
$ 98 Terphenyl-d14	244	9.597	9.592	0.005	98	301882	21.3	
99 Butyl benzyl phthalate	149	9.987	9.987	0.0	96	170453	20.6	
100 3,3'-Dichlorobenzidine	252	10.393	10.388	0.005	97	496043	19.9	
101 Benzo[a]anthracene	228	10.414	10.404	0.010	94	393818	22.0	
* 103 Chrysene-d12	240	10.425	10.420	0.005	84	566396	40.0	
102 Bis(2-ethylhexyl) phthalate	149	10.446	10.436	0.010	94	206102	21.0	
104 Chrysene	228	10.446	10.436	0.010	80	372938	21.8	
105 Di-n-octyl phthalate	149	10.911	10.895	0.016	98	321707	21.2	
106 Benzo[b]fluoranthene	252	11.242	11.232	0.010	93	352718	20.9	
107 Benzo[k]fluoranthene	252	11.258	11.242	0.016	98	375582	21.6	M

Compound	Sig	RT	EXP RT	DLT RT	Q	Response	On-Col Amt ug/ml	Flags
108 Benzo[a]pyrene	252	11.483	11.467	0.016	68	299826	21.3	
* 109 Perylene-d12	264	11.526	11.504	0.022	94	492753	40.0	
110 Indeno[1,2,3-cd]pyrene	276	12.268	12.236	0.032	93	291976	20.1	
111 Dibenz(a,h)anthracene	278	12.268	12.236	0.032	60	249300	21.1	
24 Benzo[g,h,i]perylene	276	12.439	12.412	0.027	90	246274	20.2	

QC Flag Legend

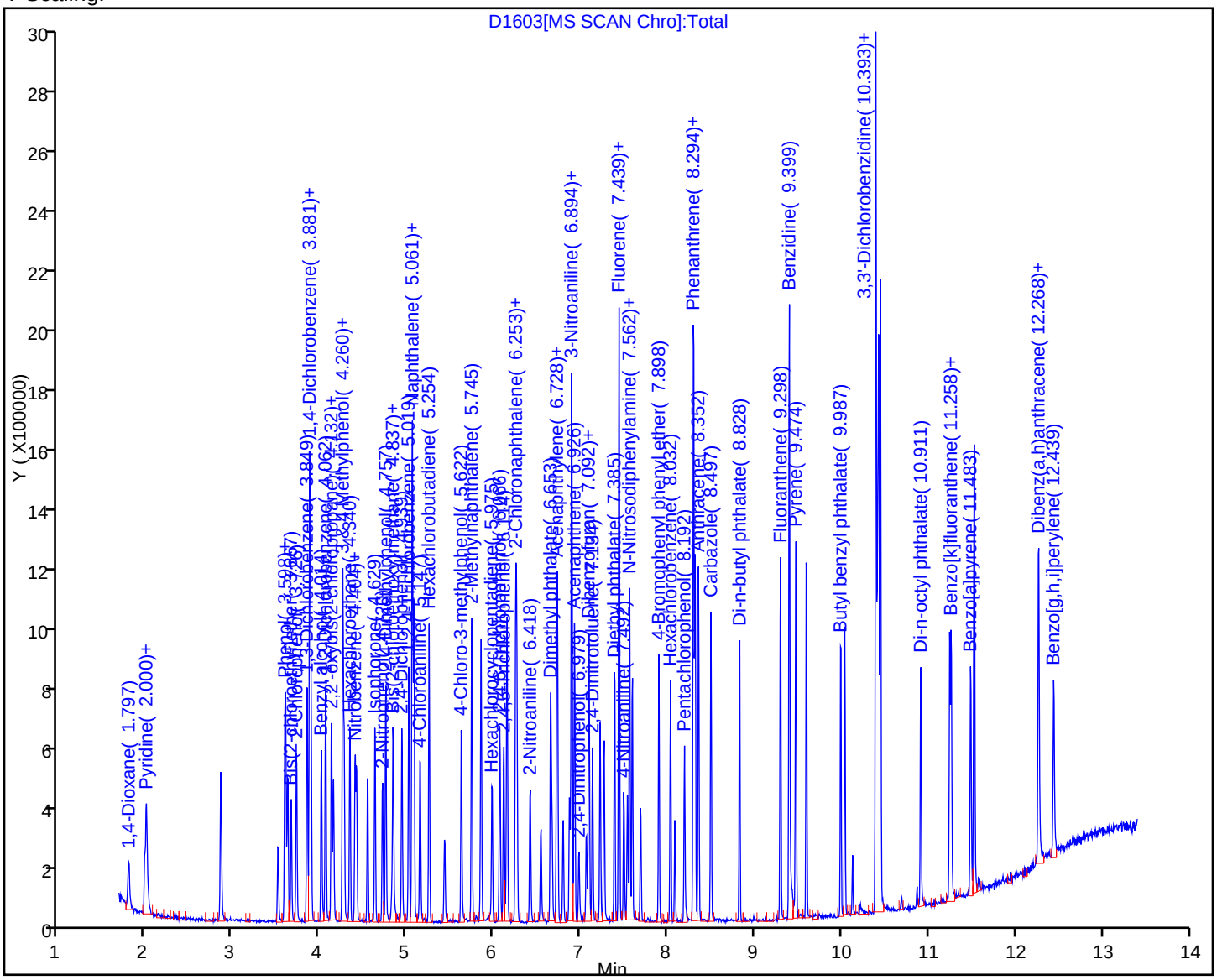
Review Flags
M - Manually Integrated

Report Date: 29-Sep-2011 13:59:09 Chrom Revision: 1.2 13-Jul-2011 10:43:06

Data File: \\Valsvr08\ChromData\SMSA\20110929-5628.b\D1603.D

Injection Date:	29-Sep-2011 11:29:30	Limit Group:	SMS - 1 - 8270 SVOA Calibration
Client ID:		Instrument ID:	SMSA
Lims Batch ID:	87354	Lims Sample ID:	4
Operator ID:	WDS	Injection Vol:	1.00 ul

Y Scaling:



Report Date: 29-Sep-2011 13:59:09 Chrom Revision: 1.2 13-Jul-2011 10:43:06

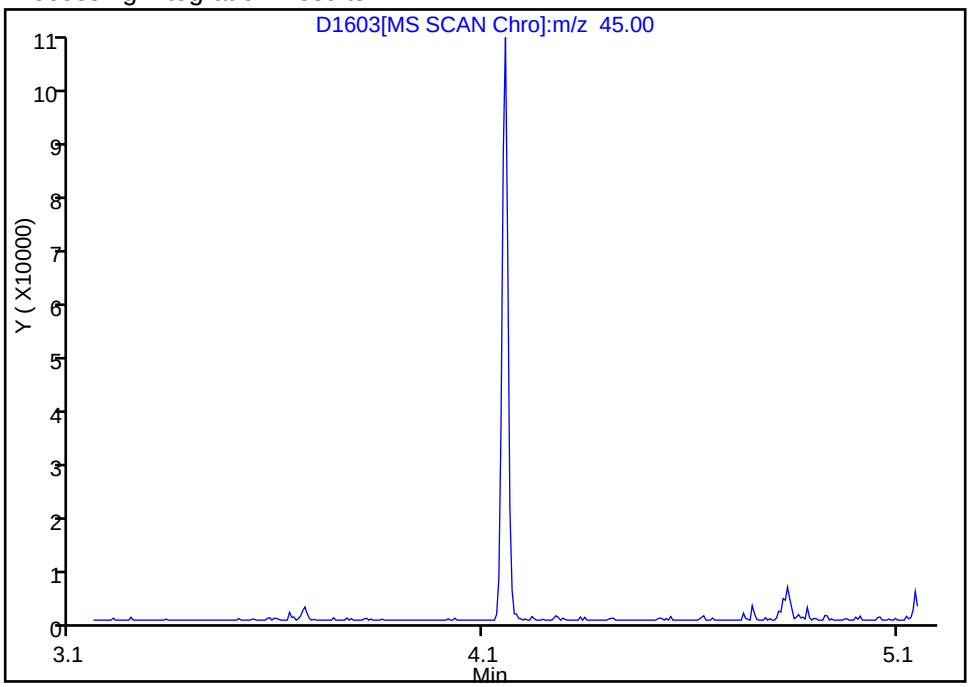
Manual Integration/User Assign Peak Report

Data File:	\\Valsvr08\ChromData\SMSA\20110929-5628.b\D1603.D		
Injection Date:	29-Sep-2011 11:29:30	Limit Group:	SMS - 1 - 8270 SVOA Calibration
Client ID:		Instrument ID:	SMSA
Lims Batch ID:	87354	Lims Sample ID:	4
Operator ID:	WDS	Injection Vol:	1.00 ul

10 2,2'-oxybis(2-chloropropane), Signal: 1, m/z: 45.0 Type: quant, RT: 4.15

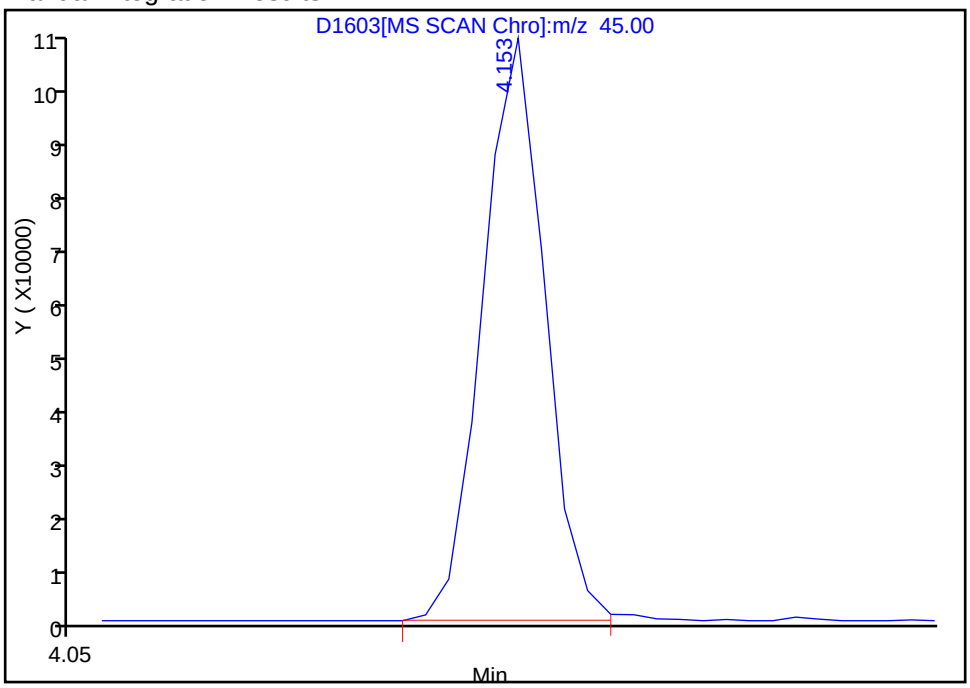
Not Detected
Expected RT: 4.15

Processing Integration Results



Manual Integration Results

RT: 4.15
Response: 108838
Amount: 20.429028



Reviewer: squiresb, 29-Sep-2011 11:57:27
Audit Action: Manually Integrated
Audit Reason: Assign Peak

Report Date: 29-Sep-2011 13:59:09 Chrom Revision: 1.2 13-Jul-2011 10:43:06

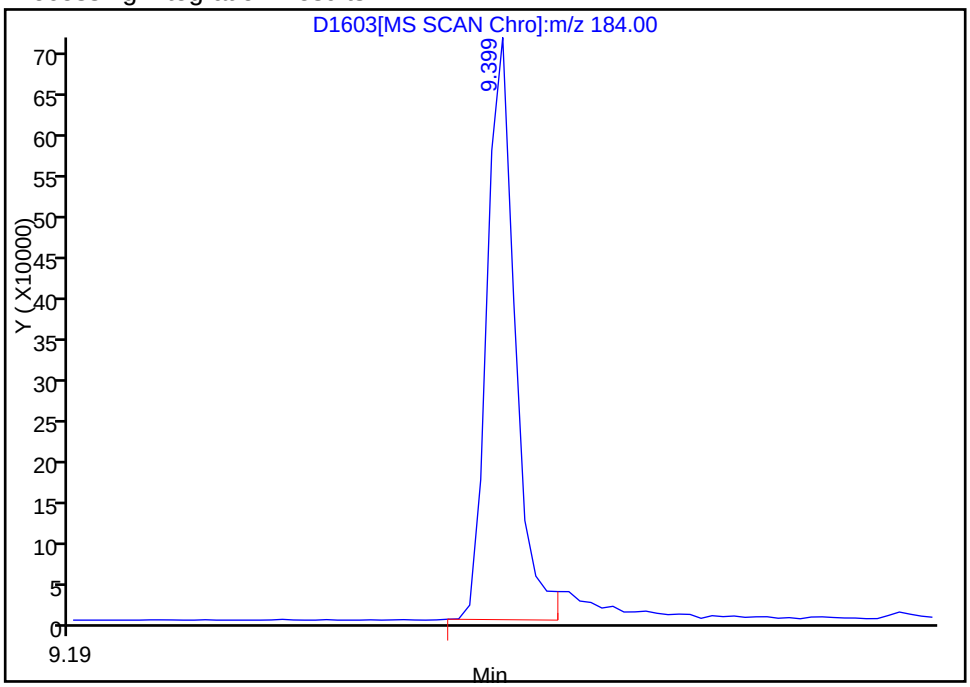
Manual Integration/User Assign Peak Report

Data File:	\\Valsvr08\ChromData\SMSA\20110929-5628.b\D1603.D		
Injection Date:	29-Sep-2011 11:29:30	Limit Group:	SMS - 1 - 8270 SVOA Calibration
Client ID:		Instrument ID:	SMSA
Lims Batch ID:	87354	Lims Sample ID:	4
Operator ID:	WDS	Injection Vol:	1.00 ul

96 Benzidine, Signal: 1, m/z: 184.0 Type: quant, RT: 9.40

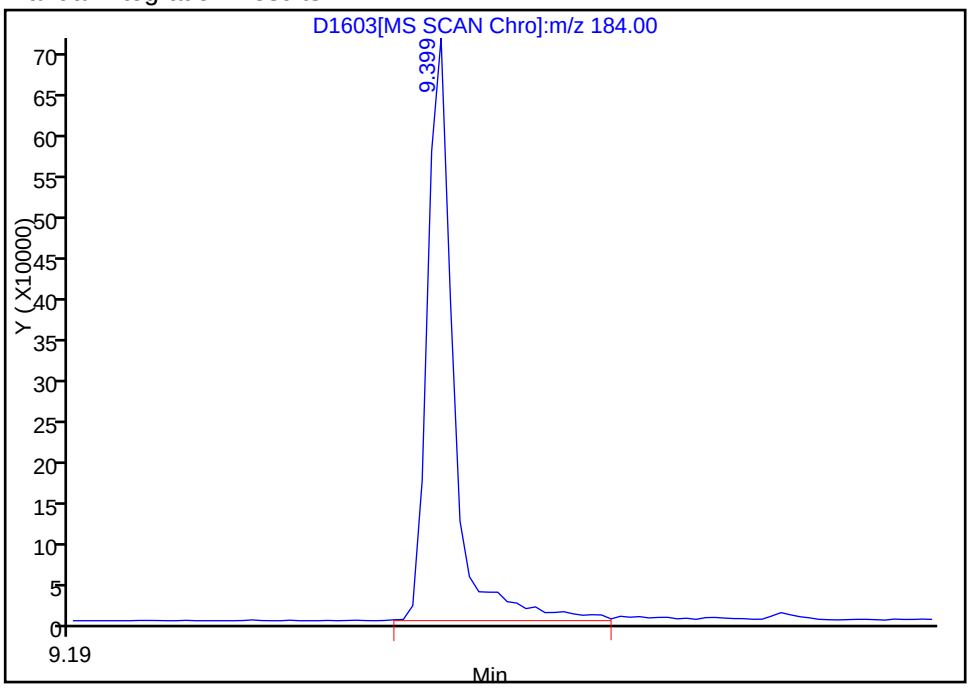
Processing Integration Results

RT: 9.40
Response: 675454
Amount: 78.716250



Manual Integration Results

RT: 9.40
Response: 732542
Amount: 77.000761



Reviewer: squiresb, 29-Sep-2011 11:57:27
Audit Action: Manually Integrated
Audit Reason: Assign Peak

Report Date: 29-Sep-2011 13:59:09 Chrom Revision: 1.2 13-Jul-2011 10:43:06

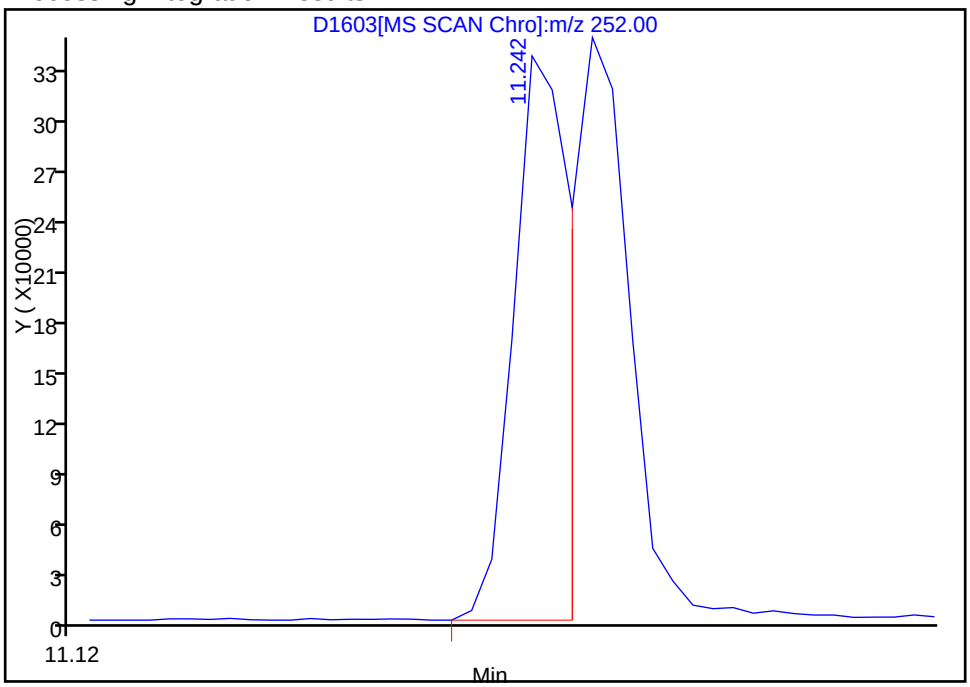
Manual Integration/User Assign Peak Report

Data File:	\\Valsvr08\ChromData\SMSA\20110929-5628.b\D1603.D		
Injection Date:	29-Sep-2011 11:29:30	Limit Group:	SMS - 1 - 8270 SVOA Calibration
Client ID:		Instrument ID:	SMSA
Lims Batch ID:	87354	Lims Sample ID:	4
Operator ID:	WDS	Injection Vol:	1.00 ul

107 Benzo[k]fluoranthene, Signal: 1, m/z: 252.0 Type: quant, RT: 11.24

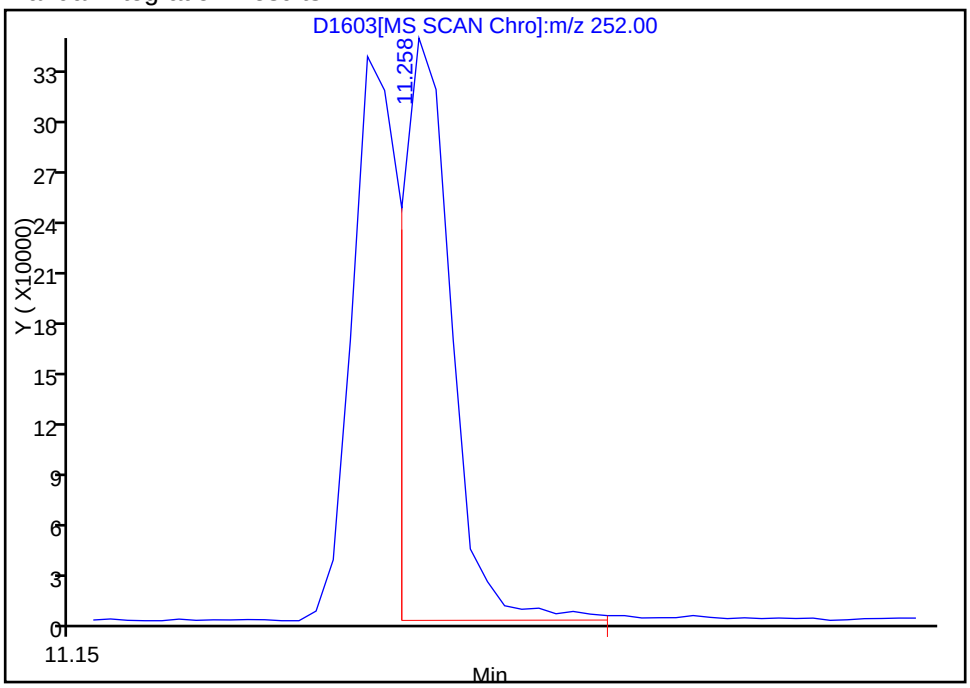
Processing Integration Results

RT: 11.24
Response: 352718
Amount: 18.561911



Manual Integration Results

RT: 11.26
Response: 375582
Amount: 21.641329



Reviewer: squiresb, 29-Sep-2011 11:57:27
Audit Action: Manually Integrated
Audit Reason: Assign Peak

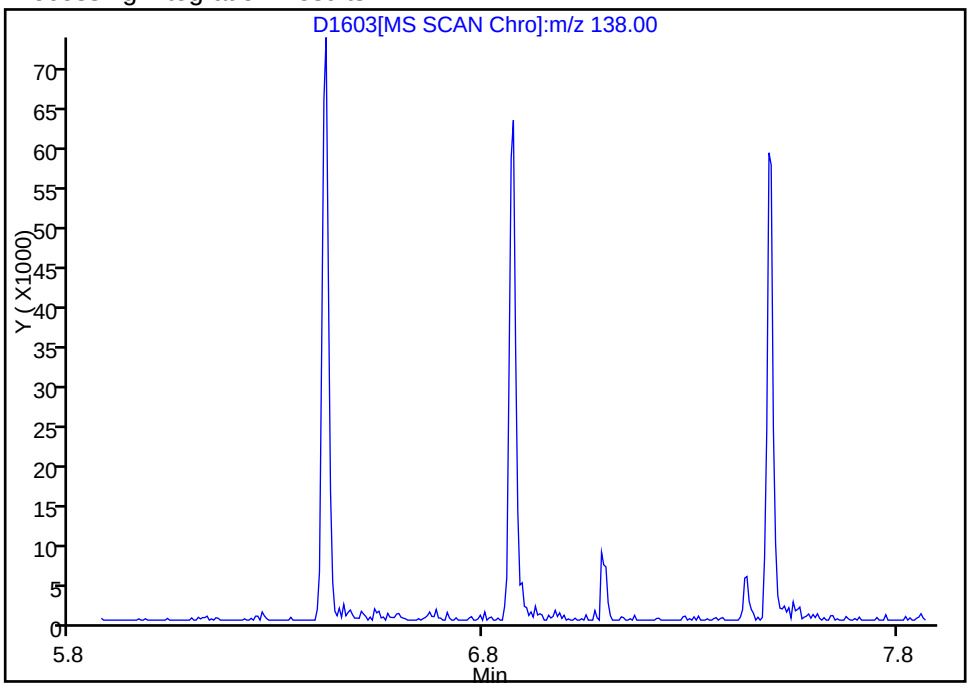
Manual Integration/User Assign Peak Report

Data File:	\\Valsvr08\ChromData\SMSA\20110929-5628.b\D1603.D		
Injection Date:	29-Sep-2011 11:29:30	Limit Group:	SMS - 1 - 8270 SVOA Calibration
Client ID:		Instrument ID:	SMSA
Lims Batch ID:	87354	Lims Sample ID:	4
Operator ID:	WDS	Injection Vol:	1.00 ul

72 3-Nitroaniline, Signal: 1, m/z: 138.0 Type: quant, RT: 6.87

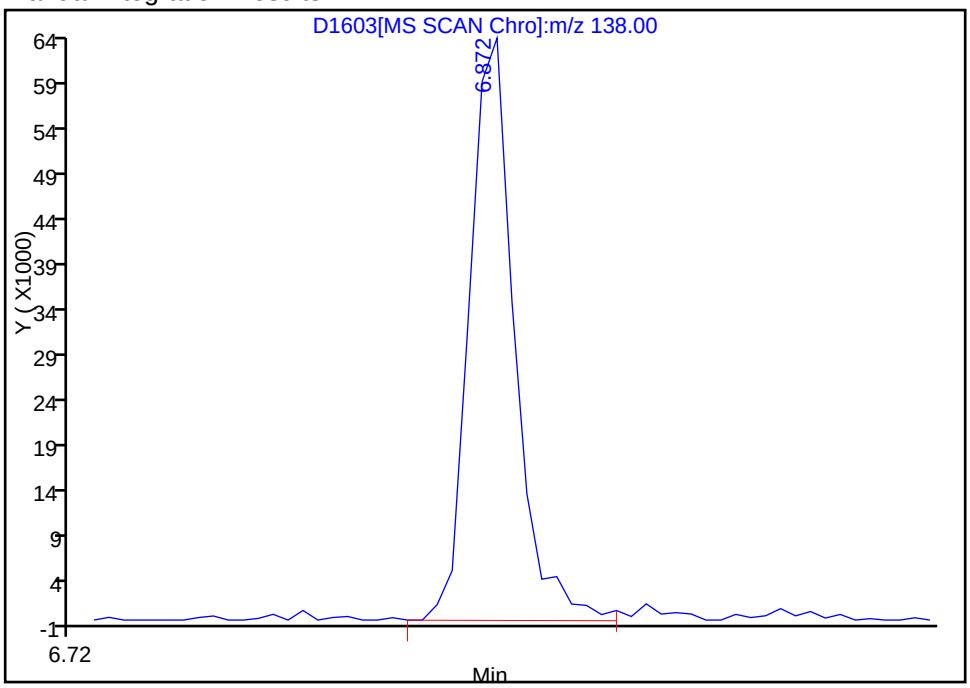
Not Detected
Expected RT: 6.87

Processing Integration Results



Manual Integration Results

RT: 6.87
Response: 71584
Amount: 22.882702



Reviewer: squiresb, 29-Sep-2011 11:57:27
Audit Action: Manually Integrated
Audit Reason: Assign Peak

Report Date: 29-Sep-2011 13:59:09 Chrom Revision: 1.2 13-Jul-2011 10:43:06

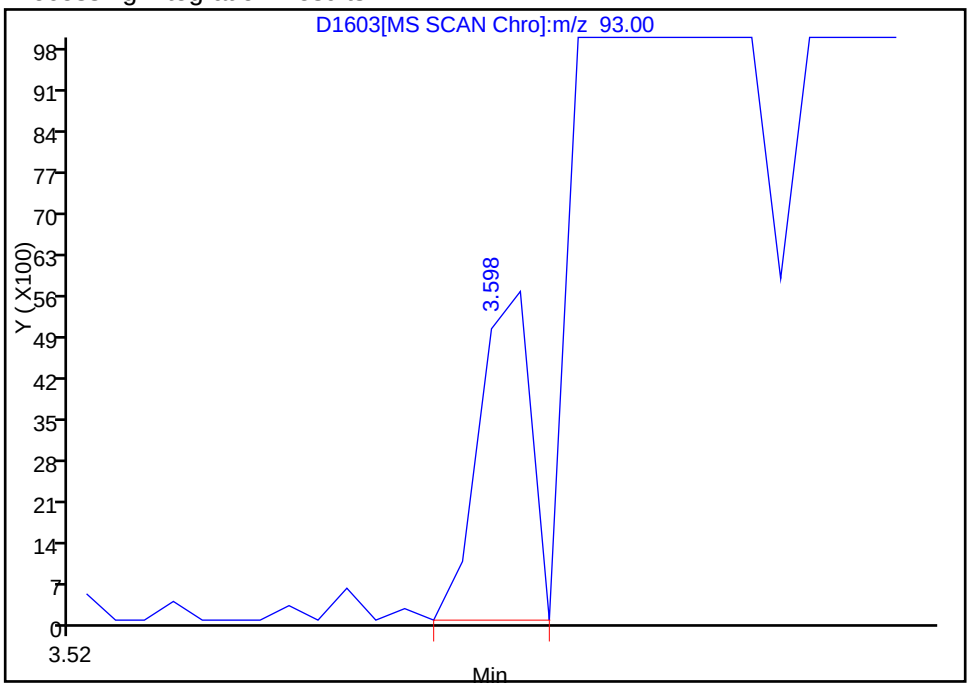
Manual Integration/User Assign Peak Report

Data File:	\\Valsvr08\ChromData\SMSA\20110929-5628.b\D1603.D		
Injection Date:	29-Sep-2011 11:29:30	Limit Group:	SMS - 1 - 8270 SVOA Calibration
Client ID:		Instrument ID:	SMSA
Lims Batch ID:	87354	Lims Sample ID:	4
Operator ID:	WDS	Injection Vol:	1.00 ul

36 Aniline, Signal: 1, m/z: 93.0 Type: quant, RT: 3.67

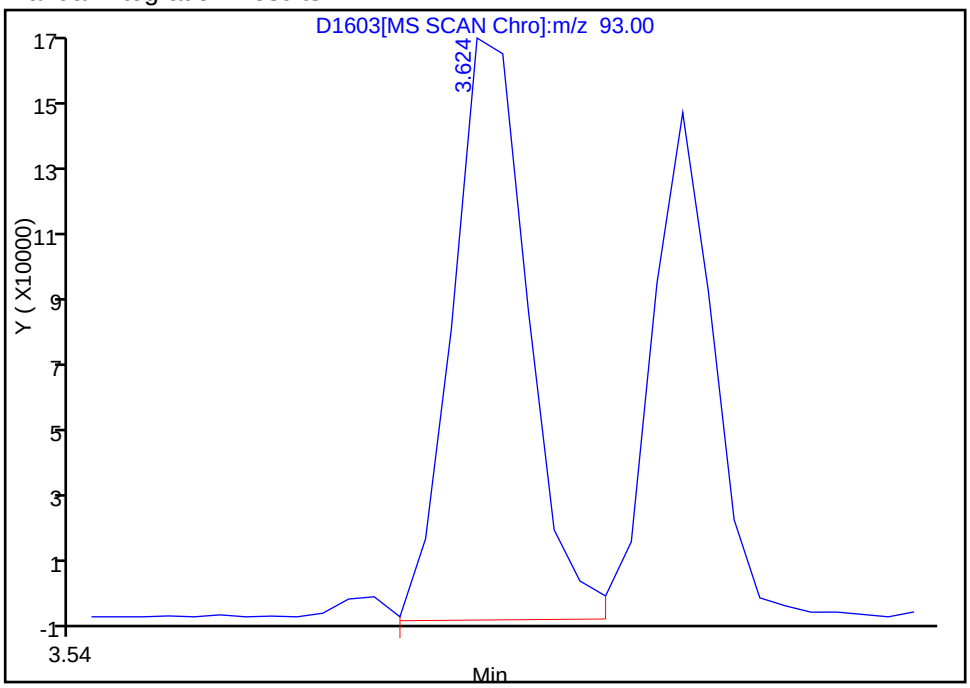
Processing Integration Results

RT: 3.60
Response: 3722
Amount: 0.594088



Manual Integration Results

RT: 3.62
Response: 178445
Amount: 23.099864



Reviewer: squiresb, 29-Sep-2011 11:57:27
Audit Action: Manually Integrated
Audit Reason: Assign Peak

TestAmerica Laboratories
Target Compound Quantitation Report

Data File: \\Valsvr08\ChromData\SMSA\20110929-5628.b\D1604.D
Lims ID: sstd030 Client ID:
Inject. Date: 29-Sep-2011 11:48:30 Dil. Factor: 1.0000
Sample Type: IC Calib Level: 4
Sample ID: SSTD030
Misc. Info.: 510-0005628-005 =510-0005628-005
Operator: WDS Instrument ID: SMSA
Vol. Injected: 1.0000 ALS Bottle#: 5
Lims Batch ID: 87354 Lims Sample ID: 5
Sublist: chrom-8270C_SMSA*sub30
Detector: MS SCAN

Method: \\Valsvr08\ChromData\SMSA\20110929-5628.b\8270C_SMSA.m
Last Update: 29-Sep-2011 13:59:28 Calib Date: 29-Sep-2011 13:43:30
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\Valsvr08\ChromData\SMSA\20110929-5628.b\D1610.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: 29-Sep-2011 12:14:03

Compound	Sig	RT	EXP RT	DLT RT	Q	Response	On-Col Amt ug/ml	Flags
9 1,4-Dioxane	88	1.803	1.792	0.011	82	96081	31.0	
30 N-Nitrosodimethylamine	74	1.979	1.979	0.0	85	102635	29.9	
31 Pyridine	79	2.000	1.995	0.005	93	186763	29.9	
$ 32 2-Fluorophenol	112	2.860	2.855	0.005	89	136129	27.2	
$ 34 Phenol-d5	99	3.592	3.598	-0.006	0	154639	27.5	
35 Phenol	94	3.603	3.608	-0.005	87	187577	30.3	
36 Aniline	93	3.630	3.667	-0.037	0	168094	29.7	M
37 Bis(2-chloroethyl)ether	93	3.667	3.667	0.0	95	129461	27.9	
38 2-Chlorophenol	128	3.726	3.726	0.0	95	144311	29.9	
39 1,3-Dichlorobenzene	146	3.849	3.849	0.0	90	181257	31.8	
* 40 1,4-Dichlorobenzene-d4	152	3.881	3.881	0.0	79	158547	40.0	
41 1,4-Dichlorobenzene	146	3.897	3.891	0.006	90	177086	30.6	
42 Benzyl alcohol	108	4.014	4.014	0.0	85	73018	27.5	
43 1,2-Dichlorobenzene	146	4.062	4.062	0.0	88	166268	30.6	
44 2-Methylphenol	108	4.132	4.132	0.0	95	123047	29.5	
10 2,2'-oxybis(2-chloropropane)	45	4.153	4.153	0.0	0	107712	27.6	M
45 Acetophenone	105	4.260	4.260	0.0	85	175177	29.3	
47 3 & 4 Methylphenol	108	4.265	4.265	0.0	0	126871	29.4	
46 N-Nitrosodi-n-propylamine	70	4.276	4.281	-0.005	95	103294	29.3	
48 Hexachloroethane	117	4.340	4.340	0.0	87	72174	29.4	
$ 49 Nitrobenzene-d5	82	4.399	4.404	-0.005	89	179679	31.3	
50 Nitrobenzene	77	4.420	4.420	0.0	82	164559	32.4	
51 Isophorone	82	4.629	4.634	-0.005	94	244371	30.8	
52 2-Nitrophenol	139	4.720	4.719	0.001	95	73800	29.5	
53 2,4-Dimethylphenol	107	4.757	4.757	0.0	54	149935	30.1	
S 3 Methyl Phenols,Total	100				0		58.9	
54 Bis(2-chloroethoxy)methane	93	4.842	4.842	0.0	96	143815	29.2	
5 Benzoic acid	105	4.837	4.853	-0.016	48	89891	27.3	
55 2,4-Dichlorophenol	162	4.939	4.944	-0.005	93	113160	29.9	
56 1,2,4-Trichlorobenzene	180	5.019	5.019	0.0	91	143720	32.5	

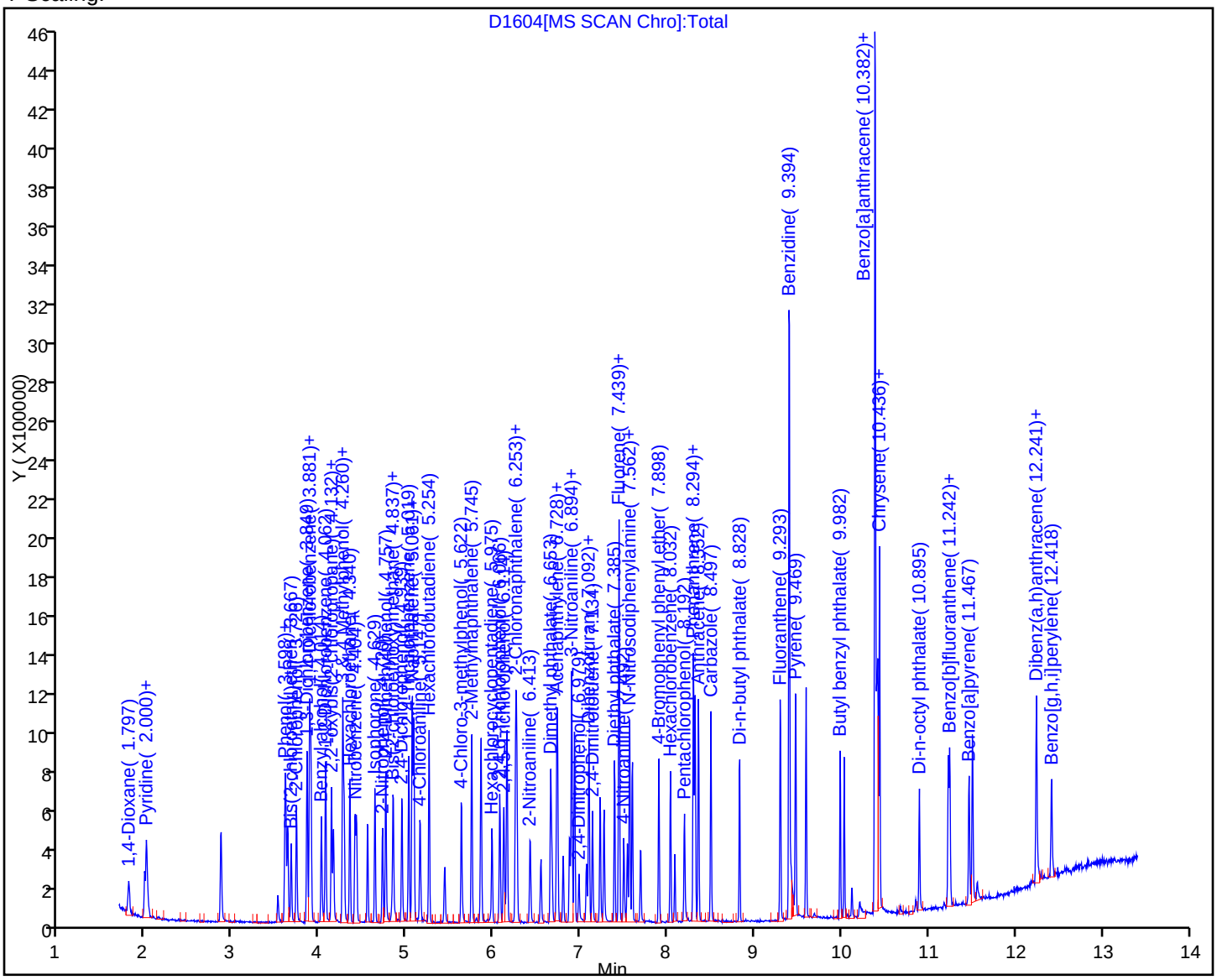
Compound	Sig	RT	EXP RT	DLT RT	Q	Response	On-Col Amt ug/ml	Flags
* 57 Naphthalene-d8	136	5.061	5.061	0.0	96	456051	40.0	
58 Naphthalene	128	5.078	5.077	0.001	95	402867	31.6	
59 4-Chloroaniline	127	5.147	5.152	-0.005	82	135433	30.1	
60 Hexachlorobutadiene	225	5.254	5.254	0.0	86	112304	32.8	
61 4-Chloro-3-methylphenol	107	5.628	5.628	0.0	98	126211	30.1	
62 2-Methylnaphthalene	141	5.745	5.745	0.0	81	215484	30.1	
63 Hexachlorocyclopentadiene	237	5.980	5.980	0.0	91	67219	38.3	
64 2,4,6-Trichlorophenol	196	6.066	6.071	-0.005	91	95556	32.2	
65 2,4,5-Trichlorophenol	196	6.114	6.114	0.0	91	101396	32.4	
$ 66 2-Fluorobiphenyl	172	6.151	6.151	0.0	90	322041	32.1	
116 1,1'-Biphenyl	154	6.247	6.253	-0.006	0	294676	31.1	
67 2-Chloronaphthalene	162	6.263	6.263	0.0	99	252063	31.3	
68 2-Nitroaniline	65	6.413	6.418	-0.005	70	80063	30.2	
69 Dimethyl phthalate	163	6.653	6.653	0.0	97	273397	31.7	
70 2,6-Dinitrotoluene	165	6.723	6.723	0.0	72	71873	31.3	
71 Acenaphthylene	152	6.734	6.733	0.001	87	362213	31.7	
72 3-Nitroaniline	138	6.873	6.872	0.0	90	63994	30.7	
* 73 Acenaphthene-d10	164	6.894	6.894	0.0	94	273071	40.0	
74 Acenaphthene	153	6.926	6.926	0.0	82	240607	32.0	
75 2,4-Dinitrophenol	184	6.979	6.979	0.0	72	34544	27.8	
78 4-Nitrophenol	109	7.065	7.065	0.0	87	55927	32.8	
77 Dibenzofuran	168	7.092	7.091	0.001	88	342006	32.4	
76 2,4-Dinitrotoluene	165	7.134	7.134	0.0	78	95300	33.5	
79 Diethyl phthalate	149	7.385	7.391	-0.006	98	263028	32.0	
80 Fluorene	166	7.439	7.439	0.0	77	279203	30.4	
81 4-Chlorophenyl phenyl ether	204	7.439	7.439	0.0	73	152226	31.5	
82 4-Nitroaniline	138	7.492	7.497	-0.005	60	60161	31.4	
83 4,6-Dinitro-2-methylphenol	198	7.535	7.540	-0.005	73	55369	30.1	
84 N-Nitrosodiphenylamine	169	7.562	7.561	0.001	99	242848	32.2	
85 1,2-Diphenylhydrazine	77	7.594	7.594	0.0	93	275278	31.2	
$ 86 2,4,6-Tribromophenol	141	7.685	7.690	-0.005	72	19883	33.4	
87 4-Bromophenyl phenyl ether	248	7.898	7.898	0.0	60	79180	29.1	
88 Hexachlorobenzene	284	8.032	8.032	0.0	78	78081	30.4	
89 Pentachlorophenol	266	8.192	8.192	0.0	82	55093	30.1	
* 90 Phenanthrene-d10	188	8.294	8.293	0.001	98	429769	40.0	
91 Phenanthrene	178	8.315	8.315	0.0	84	386883	32.5	
92 Anthracene	178	8.352	8.352	0.0	95	393636	33.2	
93 Carbazole	167	8.497	8.496	0.001	72	355910	33.4	
94 Di-n-butyl phthalate	149	8.828	8.828	0.0	99	345900	31.1	
95 Fluoranthene	202	9.293	9.298	-0.005	97	412809	32.3	
96 Benzidine	184	9.399	9.399	0.0	95	1174390	210.3	M
97 Pyrene	202	9.469	9.474	-0.005	92	416701	33.3	
$ 98 Terphenyl-d14	244	9.592	9.592	0.0	98	273934	30.7	
99 Butyl benzyl phthalate	149	9.982	9.987	-0.005	95	148955	28.7	
100 3,3'-Dichlorobenzidine	252	10.388	10.388	0.0	96	778393	60.5	
101 Benzo[a]anthracene	228	10.404	10.404	0.0	93	346867	30.8	
* 103 Chrysene-d12	240	10.414	10.420	-0.006	80	355843	40.0	
102 Bis(2-ethylhexyl) phthalate	149	10.436	10.436	0.0	94	174695	28.4	
104 Chrysene	228	10.436	10.436	0.0	84	334834	31.2	
105 Di-n-octyl phthalate	149	10.895	10.895	0.0	99	250241	28.0	
106 Benzo[b]fluoranthene	252	11.226	11.232	-0.006	79	322385	32.5	M
107 Benzo[k]fluoranthene	252	11.242	11.242	0.0	79	321556	31.6	

Compound	Sig	RT	EXP RT	DLT RT	Q	Response	On-Col Amt ug/ml	Flags
108 Benzo[a]pyrene	252	11.467	11.467	0.0	67	257703	31.2	
* 109 Perylene-d12	264	11.504	11.504	0.0	97	289361	40.0	
110 Indeno[1,2,3-cd]pyrene	276	12.241	12.236	0.005	94	253087	29.7	
111 Dibenz(a,h)anthracene	278	12.241	12.236	0.005	53	201595	29.0	
24 Benzo[g,h,i]perylene	276	12.418	12.412	0.006	88	219822	30.7	

QC Flag Legend

Review Flags
M - Manually Integrated

Report Date: 29-Sep-2011 13:59:29 Chrom Revision: 1.2 13-Jul-2011 10:43:06
Data File: \\Valsvr08\ChromData\SMSA\20110929-5628.b\D1604.D
Injection Date: 29-Sep-2011 11:48:30 Limit Group: SMS - 1 - 8270 SVOA Calibration
Client ID: Instrument ID: SMSA
Lims Batch ID: 87354 Lims Sample ID: 5
Operator ID: WDS Injection Vol: 1.00 ul
Y Scaling:



Report Date: 29-Sep-2011 13:59:29 Chrom Revision: 1.2 13-Jul-2011 10:43:06

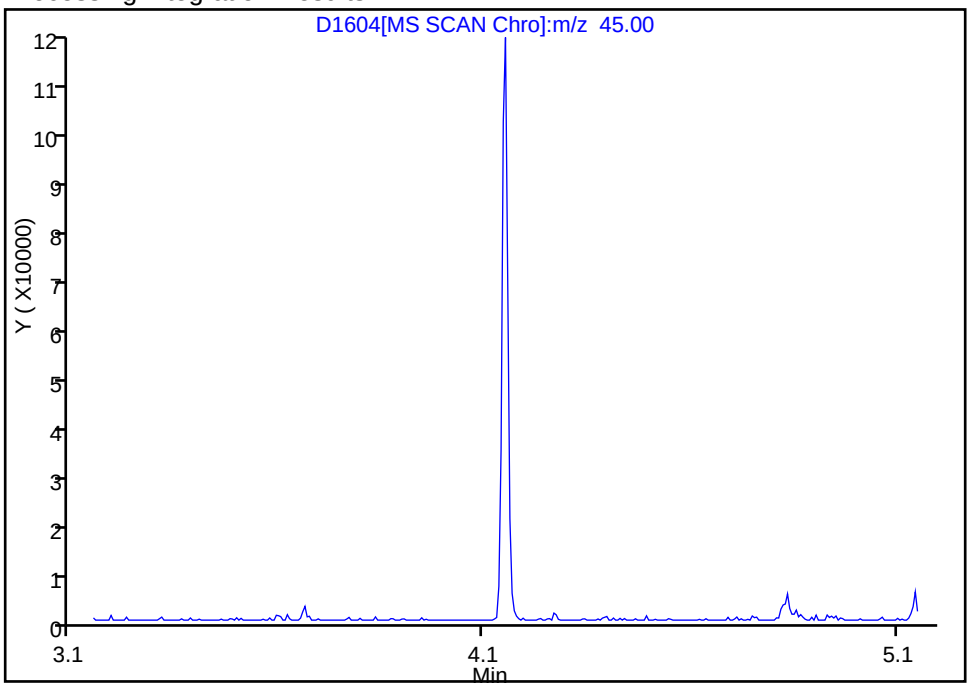
Manual Integration/User Assign Peak Report

Data File:	\\Valsvr08\ChromData\SMSA\20110929-5628.b\D1604.D		
Injection Date:	29-Sep-2011 11:48:30	Limit Group:	SMS - 1 - 8270 SVOA Calibration
Client ID:		Instrument ID:	SMSA
Lims Batch ID:	87354	Lims Sample ID:	5
Operator ID:	WDS	Injection Vol:	1.00 ul

10 2,2'-oxybis(2-chloropropane), Signal: 1, m/z: 45.0 Type: quant, RT: 4.15

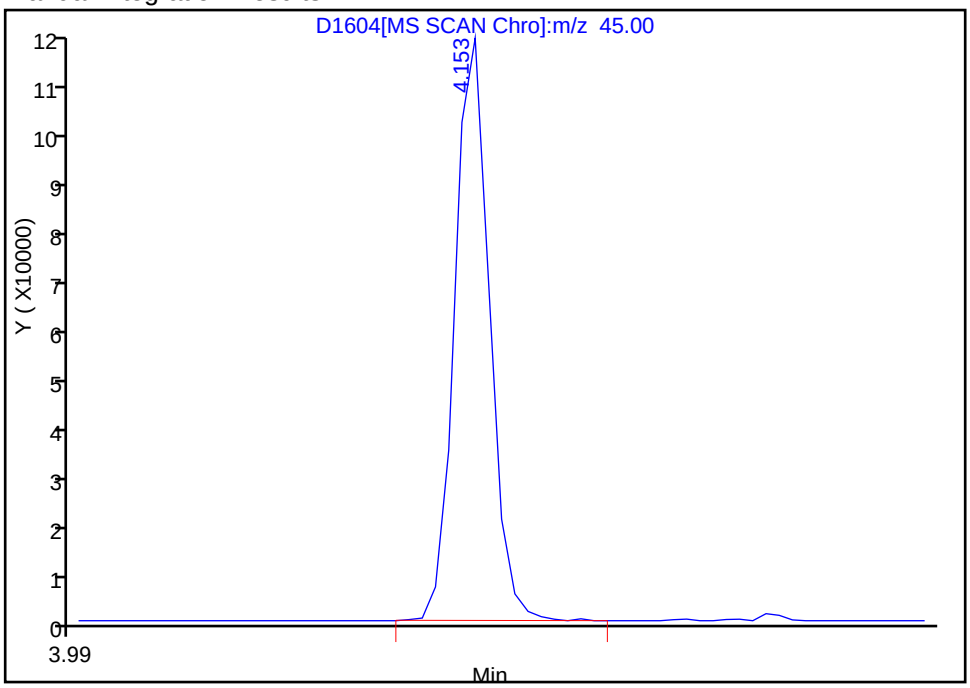
Processing Integration Results

Not Detected
Expected RT: 4.15



Manual Integration Results

RT: 4.15
Response: 107712
Amount: 27.559809



Reviewer: squiresb, 29-Sep-2011 12:14:03
Audit Action: Manually Integrated
Audit Reason: Assign Peak

Report Date: 29-Sep-2011 13:59:29 Chrom Revision: 1.2 13-Jul-2011 10:43:06

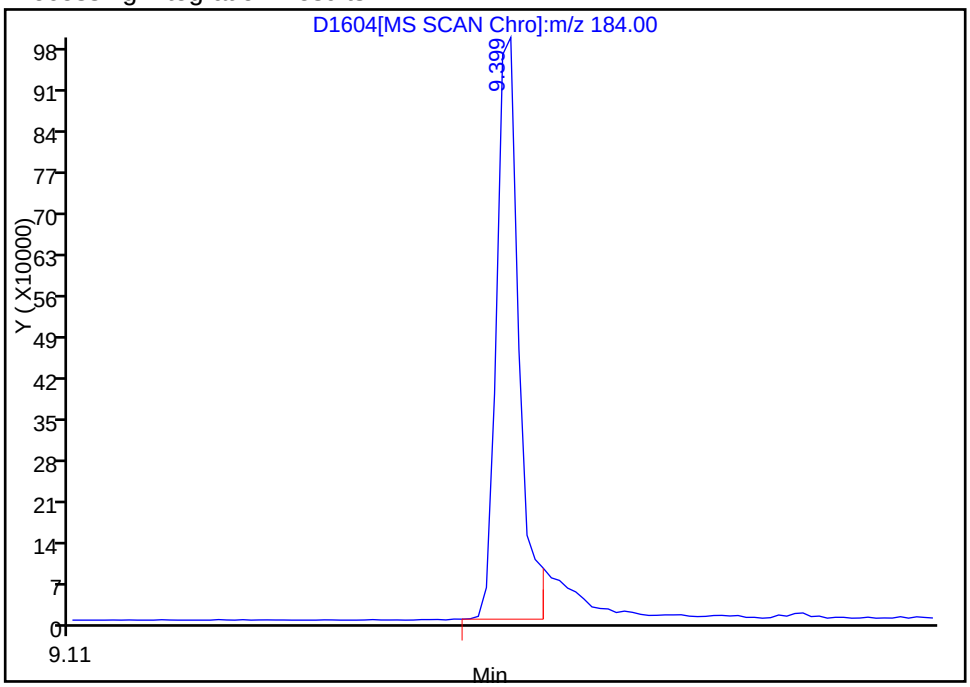
Manual Integration/User Assign Peak Report

Data File:	\\Valsvr08\ChromData\SMSA\20110929-5628.b\D1604.D		
Injection Date:	29-Sep-2011 11:48:30	Limit Group:	SMS - 1 - 8270 SVOA Calibration
Client ID:		Instrument ID:	SMSA
Lims Batch ID:	87354	Lims Sample ID:	5
Operator ID:	WDS	Injection Vol:	1.00 ul

96 Benzidine, Signal: 1, m/z: 184.0 Type: quant, RT: 9.40

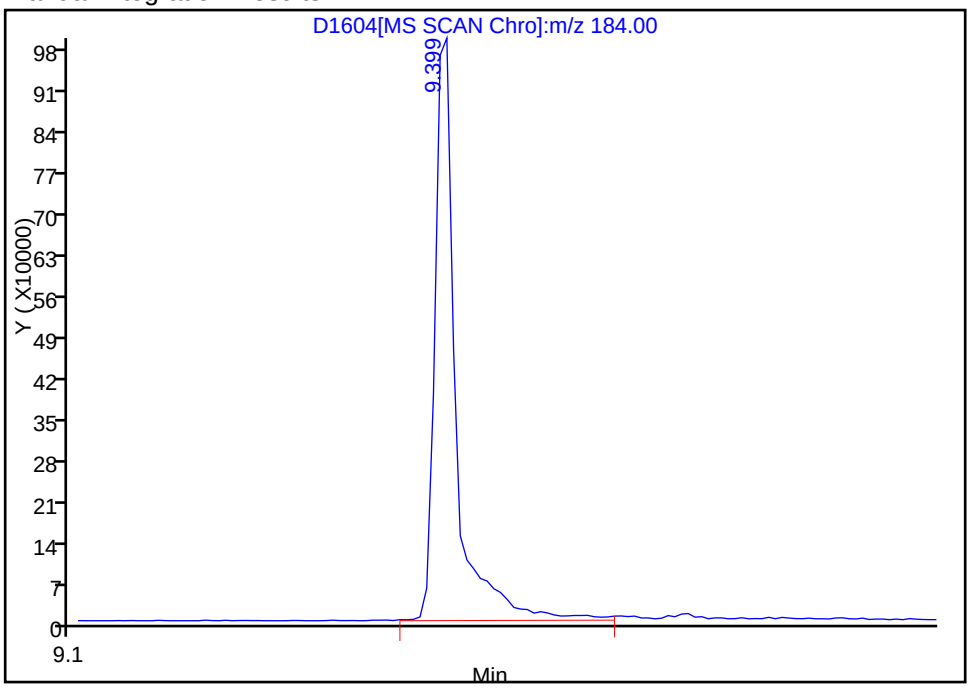
Processing Integration Results

RT: 9.40
Response: 1024764
Amount: 165.4638



Manual Integration Results

RT: 9.40
Response: 1174390
Amount: 210.3087



Reviewer: squiresb, 29-Sep-2011 12:14:03
Audit Action: Manually Integrated
Audit Reason: Assign Peak

Report Date: 29-Sep-2011 13:59:29 Chrom Revision: 1.2 13-Jul-2011 10:43:06

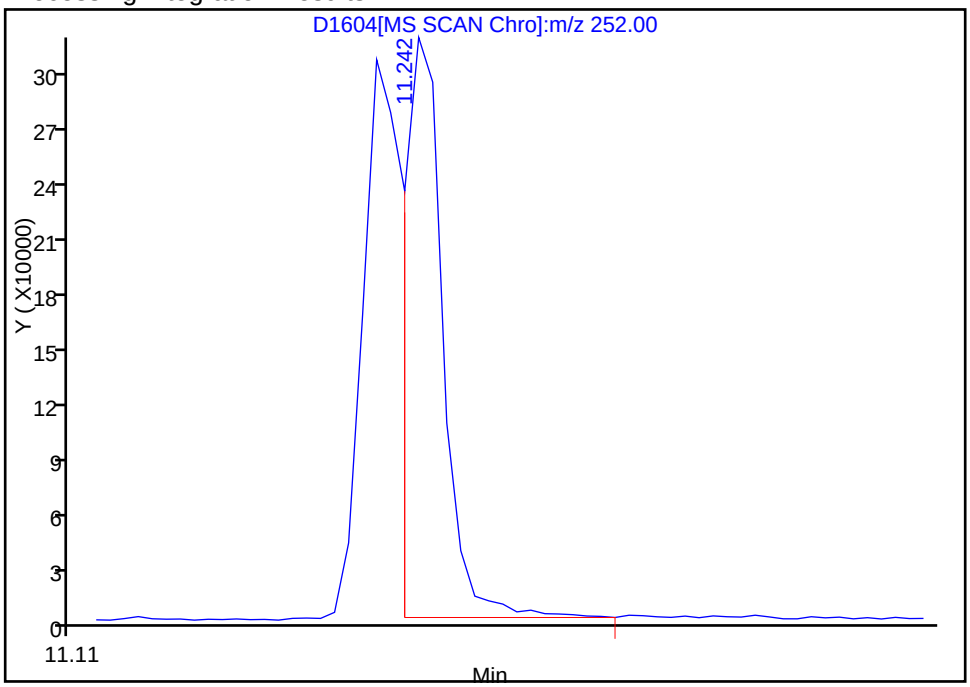
Manual Integration/User Assign Peak Report

Data File:	\\Valsvr08\ChromData\SMSA\20110929-5628.b\D1604.D		
Injection Date:	29-Sep-2011 11:48:30	Limit Group:	SMS - 1 - 8270 SVOA Calibration
Client ID:		Instrument ID:	SMSA
Lims Batch ID:	87354	Lims Sample ID:	5
Operator ID:	WDS	Injection Vol:	1.00 ul

106 Benzo[b]fluoranthene, Signal: 1, m/z: 252.0 Type: quant, RT: 11.23

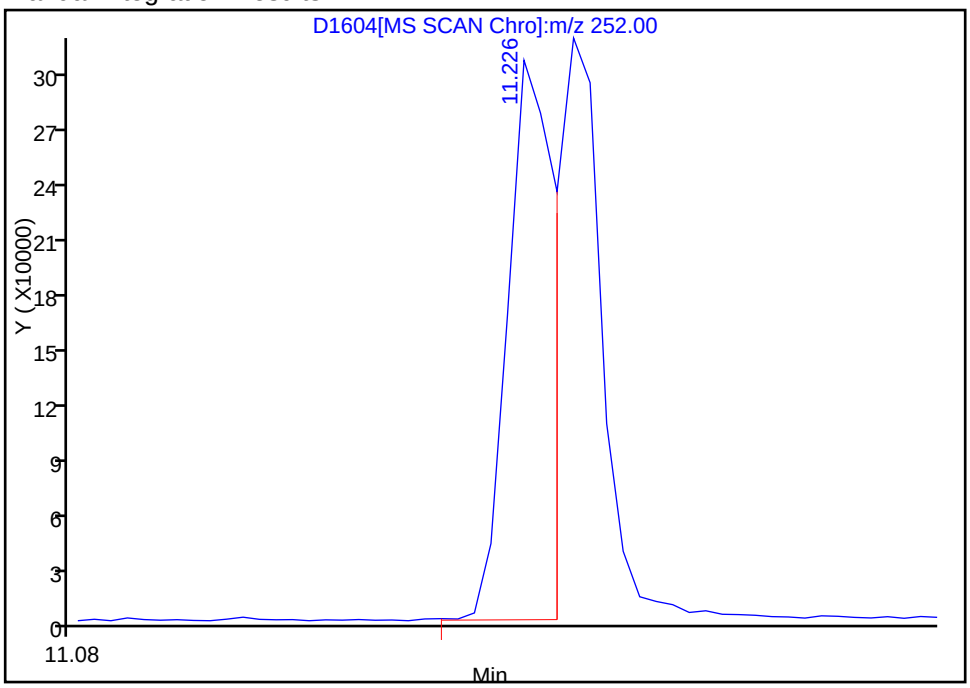
Processing Integration Results

RT: 11.24
Response: 321556
Amount: 29.646434



Manual Integration Results

RT: 11.23
Response: 322385
Amount: 32.514914



Reviewer: squiresb, 29-Sep-2011 12:14:03
Audit Action: Manually Integrated
Audit Reason: Assign Peak

Report Date: 29-Sep-2011 13:59:29 Chrom Revision: 1.2 13-Jul-2011 10:43:06

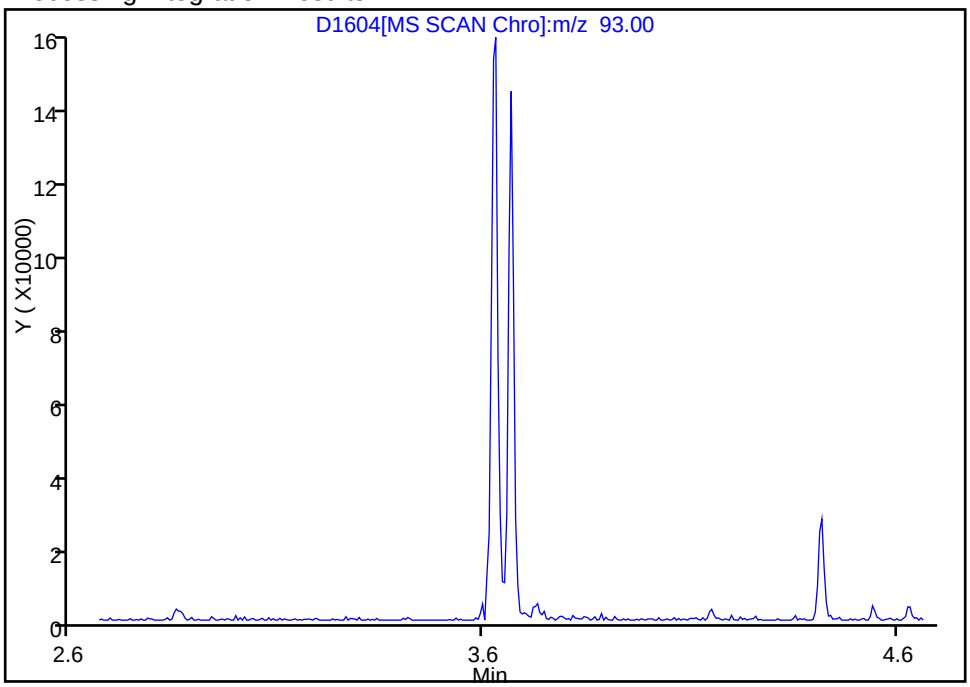
Manual Integration/User Assign Peak Report

Data File:	\\Valsvr08\ChromData\SMSA\20110929-5628.b\D1604.D		
Injection Date:	29-Sep-2011 11:48:30	Limit Group:	SMS - 1 - 8270 SVOA Calibration
Client ID:		Instrument ID:	SMSA
Lims Batch ID:	87354	Lims Sample ID:	5
Operator ID:	WDS	Injection Vol:	1.00 ul

36 Aniline, Signal: 1, m/z: 93.0 Type: quant, RT: 3.67

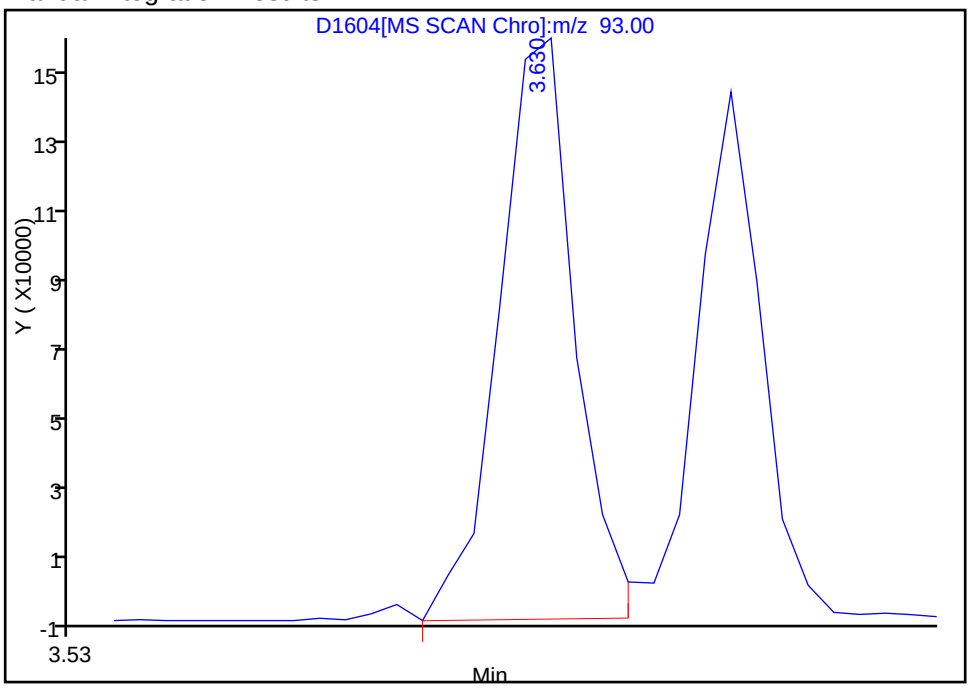
Processing Integration Results

Not Detected
Expected RT: 3.67



Manual Integration Results

RT: 3.63
Response: 168094
Amount: 29.662122



Reviewer: squiresb, 29-Sep-2011 12:14:03
Audit Action: Manually Integrated
Audit Reason: Assign Peak

TestAmerica Laboratories
Target Compound Quantitation Report

Data File: \\Valsvr08\ChromData\SMSA\20110929-5628.b\D1605.D
Lims ID: sstd040 Client ID:
Inject. Date: 29-Sep-2011 12:07:30 Dil. Factor: 1.0000
Sample Type: IC Calib Level: 5
Sample ID: SSTD040
Misc. Info.: 510-0005628-006 =510-0005628-006
Operator: WDS Instrument ID: SMSA
Vol. Injected: 1.0000 ALS Bottle#: 6
Lims Batch ID: 87354 Lims Sample ID: 6
Sublist: chrom-8270C_SMSA*sub30
Detector: MS SCAN

Method: \\Valsvr08\ChromData\SMSA\20110929-5628.b\8270C_SMSA.m
Last Update: 29-Sep-2011 13:59:39 Calib Date: 29-Sep-2011 13:43:30
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\Valsvr08\ChromData\SMSA\20110929-5628.b\D1610.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: 29-Sep-2011 13:28:10

Compound	Sig	RT	EXP RT	DLT RT	Q	Response	On-Col Amt ug/ml	Flags
9 1,4-Dioxane	88	1.797	1.797	0.0	88	154095	35.7	
30 N-Nitrosodimethylamine	74	1.979	1.979	0.0	85	181251	37.9	
31 Pyridine	79	2.000	2.000	0.0	90	320999	36.9	
$ 32 2-Fluorophenol	112	2.860	2.860	0.0	91	292037	41.9	
$ 34 Phenol-d5	99	3.598	3.598	0.0	0	329706	42.0	
35 Phenol	94	3.603	3.603	0.0	88	368685	42.7	
36 Aniline	93	3.667	3.667	0.0	15	260449	33.0	
37 Bis(2-chloroethyl)ether	93	3.667	3.667	0.0	95	254701	39.3	
38 2-Chlorophenol	128	3.726	3.726	0.0	95	281646	41.9	
39 1,3-Dichlorobenzene	146	3.849	3.849	0.0	92	327166	42.6	
* 40 1,4-Dichlorobenzene-d4	152	3.881	3.881	0.0	70	220908	40.0	
41 1,4-Dichlorobenzene	146	3.891	3.891	0.0	85	316722	39.3	
42 Benzyl alcohol	108	4.014	4.014	0.0	80	154735	41.9	
43 1,2-Dichlorobenzene	146	4.062	4.062	0.0	89	300374	39.6	
44 2-Methylphenol	108	4.132	4.132	0.0	95	250576	43.1	
10 2,2'-oxybis(2-chloropropane)	45	4.153	4.153	0.0	0	221245	40.6	M
45 Acetophenone	105	4.260	4.260	0.0	90	347181	41.6	
47 3 & 4 Methylphenol	108	4.265	4.265	0.0	0	242717	40.4	
46 N-Nitrosodi-n-propylamine	70	4.276	4.276	0.0	97	200872	40.9	
48 Hexachloroethane	117	4.340	4.340	0.0	86	135944	39.8	
$ 49 Nitrobenzene-d5	82	4.404	4.404	0.0	89	336734	40.7	
50 Nitrobenzene	77	4.420	4.420	0.0	83	304698	41.6	
51 Isophorone	82	4.629	4.629	0.0	94	468622	40.9	
52 2-Nitrophenol	139	4.720	4.720	0.0	93	149707	41.5	
53 2,4-Dimethylphenol	107	4.757	4.757	0.0	96	305693	42.6	
S 3 Methyl Phenols,Total	100				0		83.5	
54 Bis(2-chloroethoxy)methane	93	4.842	4.842	0.0	99	274411	39.9	
5 Benzoic acid	105	4.853	4.853	0.0	86	191910	39.1	
55 2,4-Dichlorophenol	162	4.939	4.939	0.0	93	229297	45.0	
56 1,2,4-Trichlorobenzene	180	5.019	5.019	0.0	91	257274	40.3	

Compound	Sig	RT	EXP RT	DLT RT	Q	Response	On-Col Amt ug/ml	Flags
* 57 Naphthalene-d8	136	5.061	5.061	0.0	95	657524	40.0	
58 Naphthalene	128	5.077	5.077	0.0	97	759774	41.3	
59 4-Chloroaniline	127	5.152	5.152	0.0	83	261109	40.3	
60 Hexachlorobutadiene	225	5.254	5.254	0.0	91	195204	39.6	
61 4-Chloro-3-methylphenol	107	5.628	5.628	0.0	99	246484	40.7	
62 2-Methylnaphthalene	141	5.745	5.745	0.0	88	415079	40.3	
63 Hexachlorocyclopentadiene	237	5.980	5.980	0.0	90	146760	62.1	
64 2,4,6-Trichlorophenol	196	6.071	6.071	0.0	90	165809	41.4	
65 2,4,5-Trichlorophenol	196	6.114	6.114	0.0	92	177352	42.0	
$ 66 2-Fluorobiphenyl	172	6.151	6.151	0.0	92	576271	42.6	
116 1,1'-Biphenyl	154	6.253	6.253	0.0	0	546967	42.8	
67 2-Chloronaphthalene	162	6.263	6.263	0.0	98	457096	42.1	
68 2-Nitroaniline	65	6.418	6.418	0.0	74	138714	38.8	
69 Dimethyl phthalate	163	6.653	6.653	0.0	97	460526	39.6	
70 2,6-Dinitrotoluene	165	6.723	6.723	0.0	71	119575	38.6	
71 Acenaphthylene	152	6.734	6.734	0.0	92	621773	40.4	
72 3-Nitroaniline	138	6.872	6.872	0.0	90	108441	38.6	
* 73 Acenaphthene-d10	164	6.894	6.894	0.0	93	368096	40.0	
74 Acenaphthene	153	6.926	6.926	0.0	84	417577	41.2	
75 2,4-Dinitrophenol	184	6.979	6.979	0.0	70	68063	40.6	
78 4-Nitrophenol	109	7.065	7.065	0.0	88	86529	37.6	
77 Dibenzofuran	168	7.091	7.091	0.0	82	581632	40.9	
76 2,4-Dinitrotoluene	165	7.134	7.134	0.0	76	139086	36.3	
79 Diethyl phthalate	149	7.391	7.391	0.0	99	418503	37.8	
80 Fluorene	166	7.439	7.439	0.0	82	490336	39.7	
81 4-Chlorophenyl phenyl ether	204	7.439	7.439	0.0	71	252693	38.7	
82 4-Nitroaniline	138	7.497	7.497	0.0	61	93529	36.2	
83 4,6-Dinitro-2-methylphenol	198	7.535	7.535	0.0	92	88294	39.2	
84 N-Nitrosodiphenylamine	169	7.562	7.562	0.0	98	393077	42.5	
85 1,2-Diphenylhydrazine	77	7.594	7.594	0.0	95	459749	42.6	
$ 86 2,4,6-Tribromophenol	141	7.684	7.690	-0.006	71	29770	37.1	
87 4-Bromophenyl phenyl ether	248	7.898	7.898	0.0	60	139294	41.8	
88 Hexachlorobenzene	284	8.032	8.032	0.0	84	133519	42.4	
89 Pentachlorophenol	266	8.192	8.192	0.0	87	95533	42.6	
* 90 Phenanthrene-d10	188	8.293	8.293	0.0	97	526554	40.0	
91 Phenanthrene	178	8.315	8.315	0.0	92	611360	41.9	
92 Anthracene	178	8.352	8.352	0.0	96	608248	41.9	
93 Carbazole	167	8.496	8.496	0.0	85	533855	40.9	
94 Di-n-butyl phthalate	149	8.828	8.828	0.0	99	570981	41.9	
95 Fluoranthene	202	9.298	9.298	0.0	97	673040	42.9	
96 Benzidine	184	9.399	9.399	0.0	95	1485328	209.0	M
97 Pyrene	202	9.474	9.474	0.0	91	649302	38.4	
$ 98 Terphenyl-d14	244	9.592	9.592	0.0	98	469715	38.9	
99 Butyl benzyl phthalate	149	9.987	9.987	0.0	98	285016	40.6	
100 3,3'-Dichlorobenzidine	252	10.393	10.393	0.0	93	1081083	74.2	
101 Benzo[a]anthracene	228	10.409	10.409	0.0	97	634077	41.7	
* 103 Chrysene-d12	240	10.425	10.425	0.0	85	481123	40.0	
102 Bis(2-ethylhexyl) phthalate	149	10.441	10.441	0.0	94	343282	41.2	
104 Chrysene	228	10.441	10.441	0.0	89	576682	39.8	
105 Di-n-octyl phthalate	149	10.906	10.906	0.0	98	562634	41.5	
106 Benzo[b]fluoranthene	252	11.242	11.242	0.0	92	557623	37.0	M
107 Benzo[k]fluoranthene	252	11.258	11.258	0.0	97	648627	41.9	M

Compound	Sig	RT	EXP RT	DLT RT	Q	Response	On-Col Amt ug/ml	Flags
108 Benzo[a]pyrene	252	11.483	11.483	0.0	78	511489	40.8	
* 109 Perylene-d12	264	11.520	11.520	0.0	97	439656	40.0	
110 Indeno[1,2,3-cd]pyrene	276	12.263	12.263	0.0	94	529908	40.9	
111 Dibenz(a,h)anthracene	278	12.263	12.263	0.0	57	445404	42.2	
24 Benzo[g,h,i]perylene	276	12.434	12.434	0.0	90	468783	43.1	

QC Flag Legend

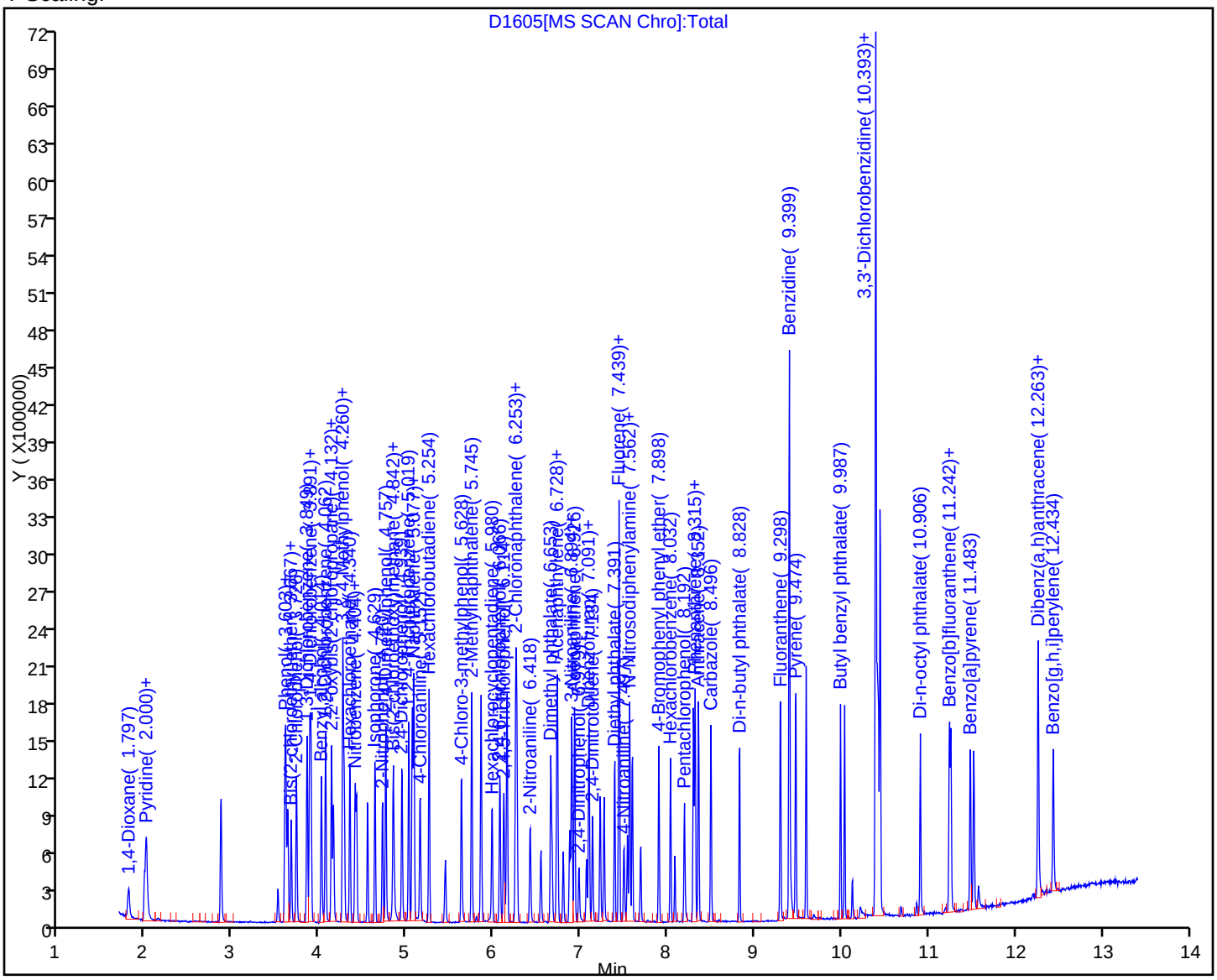
Review Flags
M - Manually Integrated

Report Date: 29-Sep-2011 13:59:40 Chrom Revision: 1.2 13-Jul-2011 10:43:06

Data File: \\Valsvr08\ChromData\SMSA\20110929-5628.b\D1605.D

Injection Date:	29-Sep-2011 12:07:30	Limit Group:	SMS - 1 - 8270 SVOA Calibration
Client ID:		Instrument ID:	SMSA
Lims Batch ID:	87354	Lims Sample ID:	6
Operator ID:	WDS	Injection Vol:	1.00 ul

Y Scaling:



Report Date: 29-Sep-2011 13:59:40 Chrom Revision: 1.2 13-Jul-2011 10:43:06

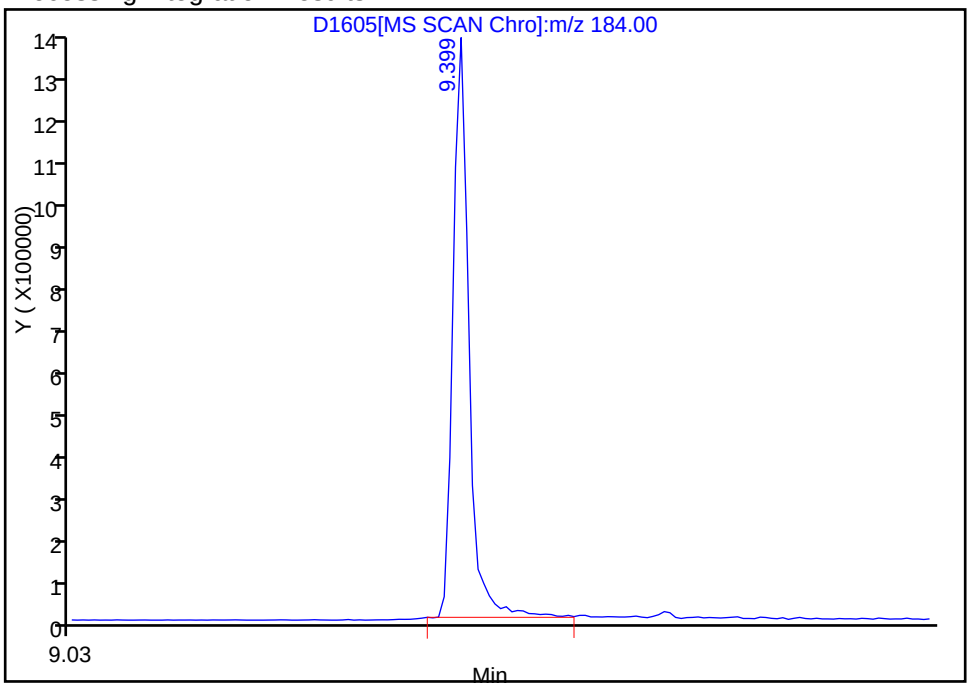
Manual Integration/User Assign Peak Report

Data File:	\\Valsvr08\ChromData\SMSA\20110929-5628.b\D1605.D		
Injection Date:	29-Sep-2011 12:07:30	Limit Group:	SMS - 1 - 8270 SVOA Calibration
Client ID:		Instrument ID:	SMSA
Lims Batch ID:	87354	Lims Sample ID:	6
Operator ID:	WDS	Injection Vol:	1.00 ul

96 Benzidine, Signal: 1, m/z: 184.0 Type: quant, RT: 9.40

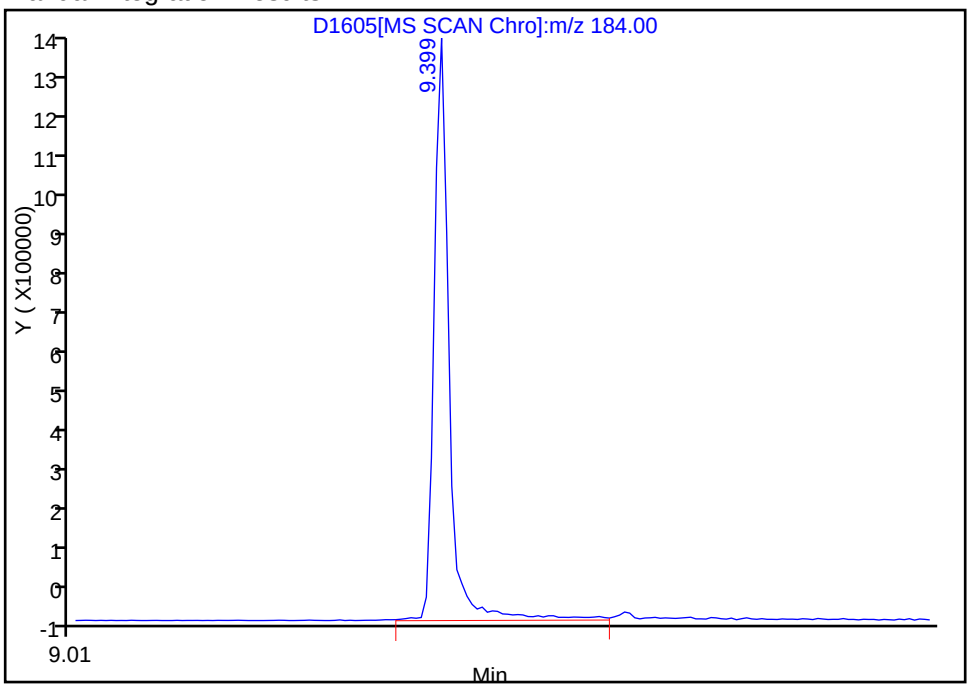
Processing Integration Results

RT: 9.40
Response: 1398288
Amount: 156.5669



Manual Integration Results

RT: 9.40
Response: 1485328
Amount: 208.9645



Reviewer: squiresb, 29-Sep-2011 13:28:10
Audit Action: Manually Integrated
Audit Reason: Baseline

Report Date: 29-Sep-2011 13:59:40 Chrom Revision: 1.2 13-Jul-2011 10:43:06

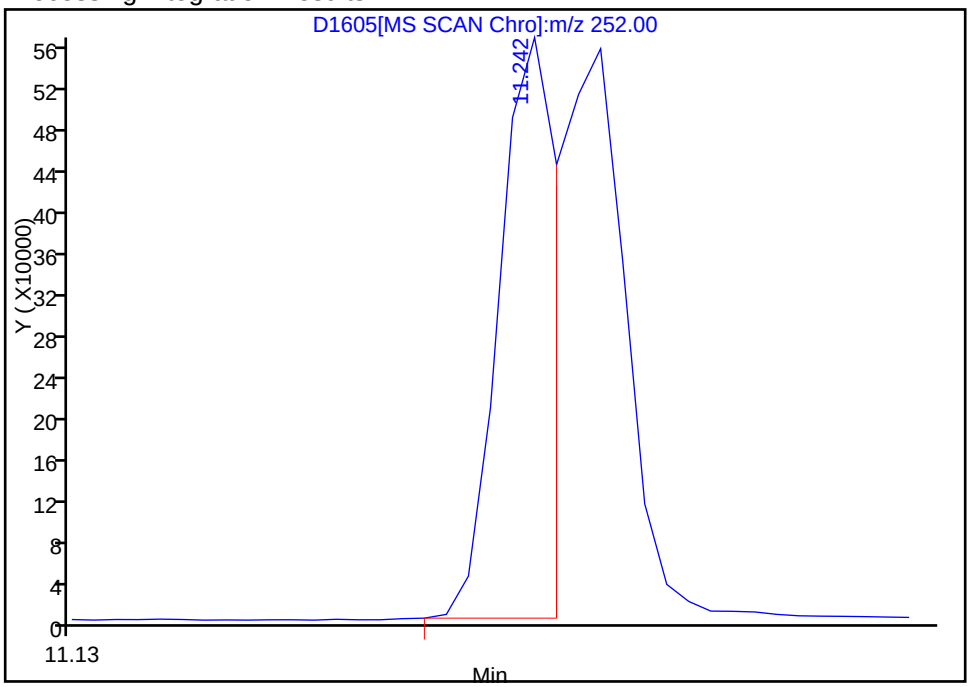
Manual Integration/User Assign Peak Report

Data File:	\\Valsvr08\ChromData\SMSA\20110929-5628.b\D1605.D		
Injection Date:	29-Sep-2011 12:07:30	Limit Group:	SMS - 1 - 8270 SVOA Calibration
Client ID:		Instrument ID:	SMSA
Lims Batch ID:	87354	Lims Sample ID:	6
Operator ID:	WDS	Injection Vol:	1.00 ul

107 Benzo[k]fluoranthene, Signal: 1, m/z: 252.0 Type: quant, RT: 11.26

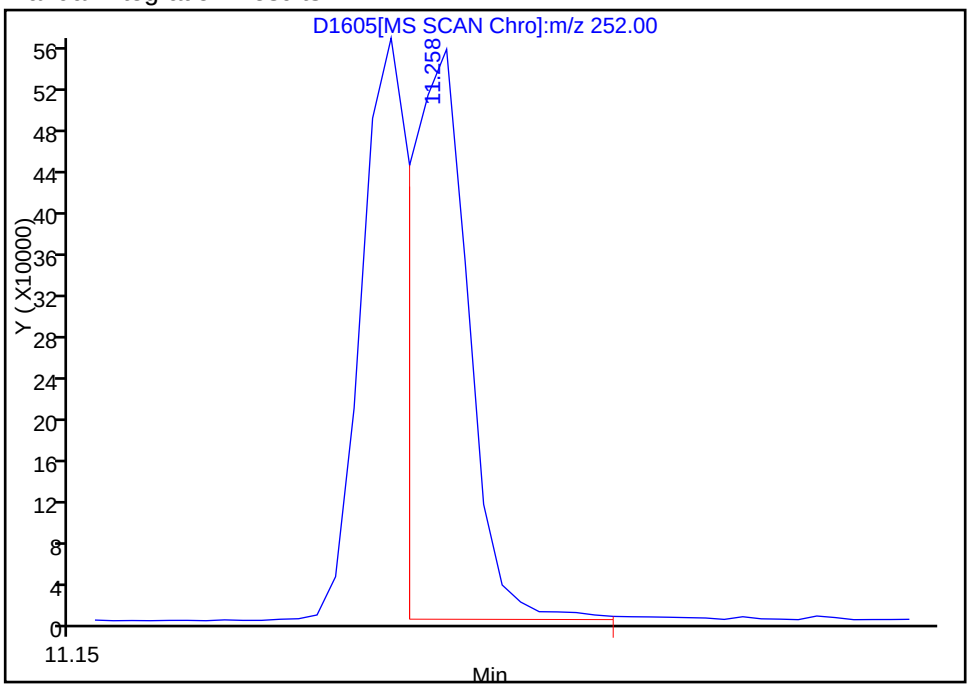
Processing Integration Results

RT: 11.24
Response: 552355
Amount: 34.987487



Manual Integration Results

RT: 11.26
Response: 648627
Amount: 41.888080



Reviewer: squiresb, 29-Sep-2011 13:28:10
Audit Action: Manually Integrated
Audit Reason: Assign Peak

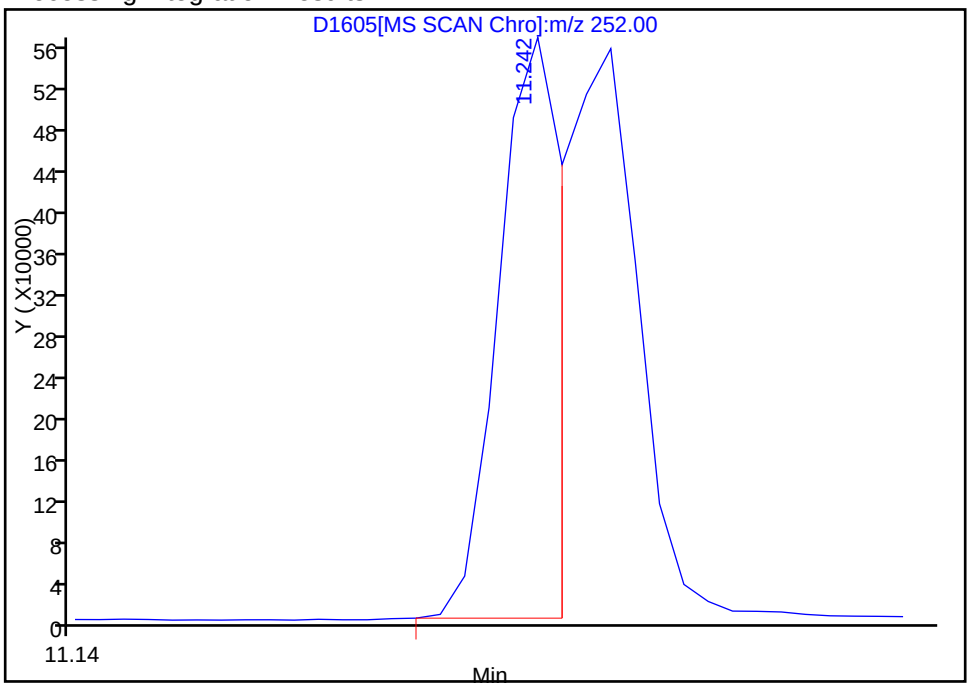
Manual Integration/User Assign Peak Report

Data File:	\\Valsvr08\ChromData\SMSA\20110929-5628.b\D1605.D		
Injection Date:	29-Sep-2011 12:07:30	Limit Group:	SMS - 1 - 8270 SVOA Calibration
Client ID:		Instrument ID:	SMSA
Lims Batch ID:	87354	Lims Sample ID:	6
Operator ID:	WDS	Injection Vol:	1.00 ul

106 Benzo[b]fluoranthene, Signal: 1, m/z: 252.0 Type: quant, RT: 11.24

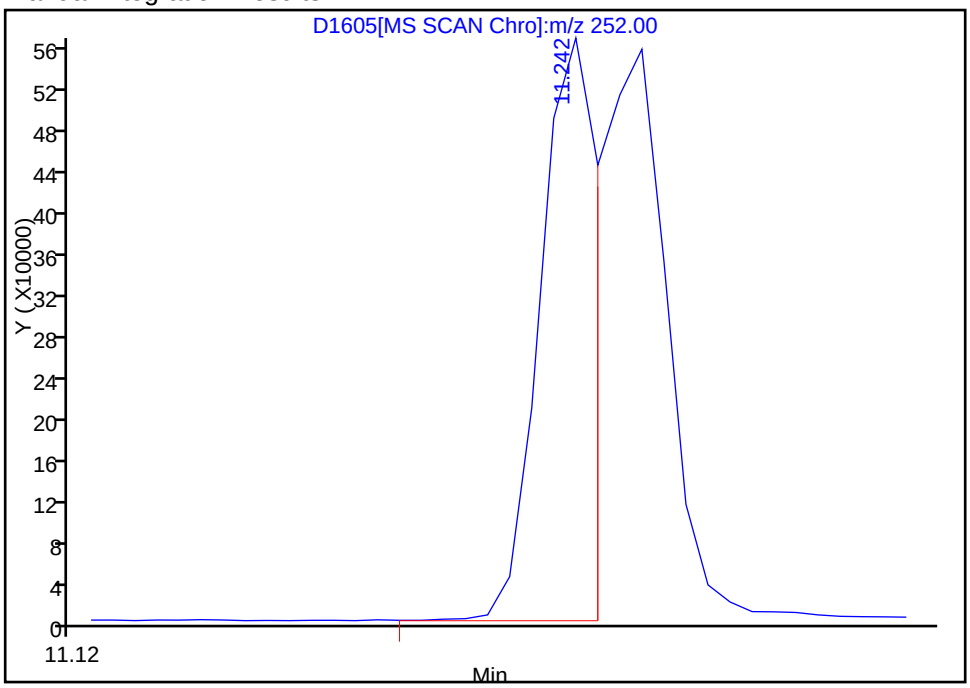
Processing Integration Results

RT: 11.24
Response: 552355
Amount: 35.609964



Manual Integration Results

RT: 11.24
Response: 557623
Amount: 37.014804



Reviewer: squiresb, 29-Sep-2011 13:28:10
Audit Action: Manually Integrated
Audit Reason: Baseline

Report Date: 29-Sep-2011 13:59:40 Chrom Revision: 1.2 13-Jul-2011 10:43:06

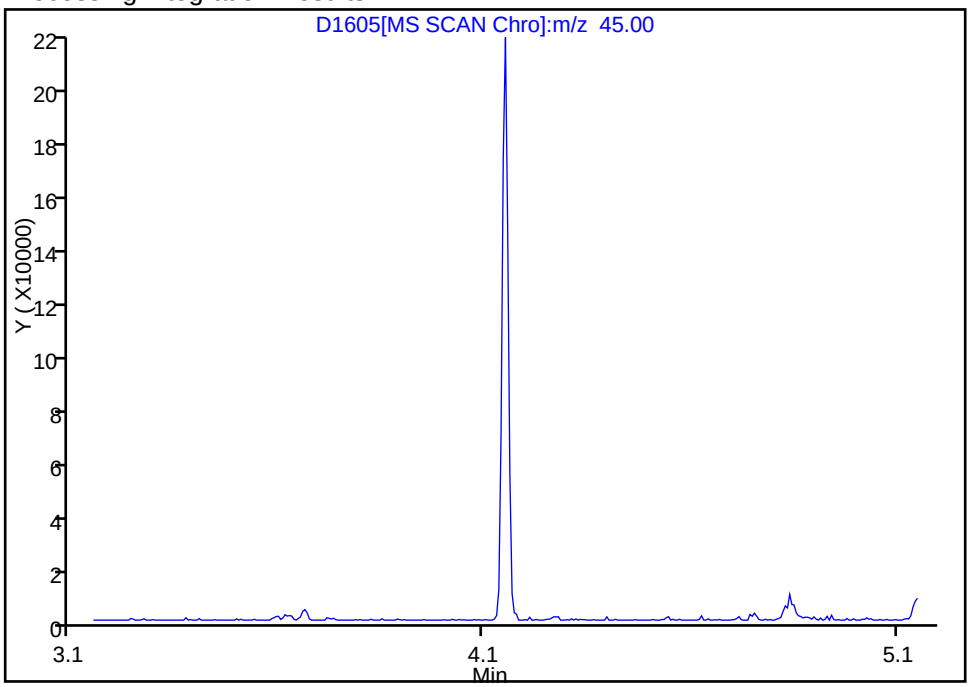
Manual Integration/User Assign Peak Report

Data File:	\\Valsvr08\ChromData\SMSA\20110929-5628.b\D1605.D		
Injection Date:	29-Sep-2011 12:07:30	Limit Group:	SMS - 1 - 8270 SVOA Calibration
Client ID:		Instrument ID:	SMSA
Lims Batch ID:	87354	Lims Sample ID:	6
Operator ID:	WDS	Injection Vol:	1.00 ul

10 2,2'-oxybis(2-chloropropane), Signal: 1, m/z: 45.0 Type: quant, RT: 4.15

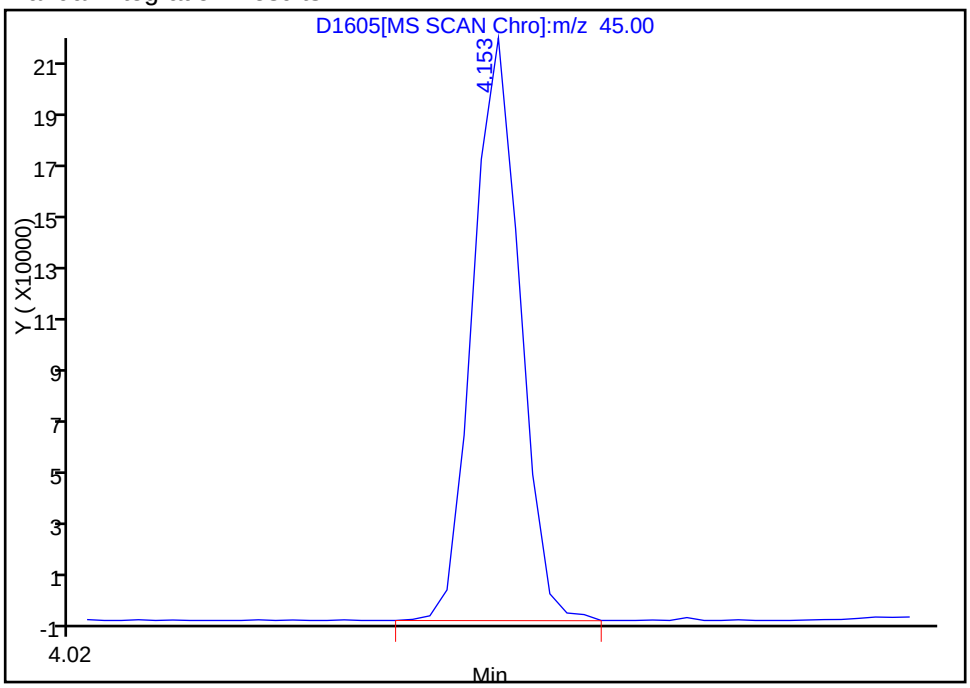
Processing Integration Results

Not Detected
Expected RT: 4.15



Manual Integration Results

RT: 4.15
Response: 221245
Amount: 40.628628



Reviewer: squiresb, 29-Sep-2011 13:28:10
Audit Action: Manually Integrated
Audit Reason: Assign Peak

TestAmerica Laboratories
Target Compound Quantitation Report

Data File: \\Valsvr08\ChromData\SMSA\20110929-5628.b\D1606.D
Lims ID: sstd050 Client ID:
Inject. Date: 29-Sep-2011 12:26:30 Dil. Factor: 1.0000
Sample Type: ICIS Calib Level: 6
Sample ID: SSTD050
Misc. Info.: 510-0005628-007 =510-0005628-007
Operator: WDS Instrument ID: SMSA
Vol. Injected: 1.0000 ALS Bottle#: 7
Lims Batch ID: 87354 Lims Sample ID: 7
Sublist: chrom-8270C_SMSA*sub30
Detector: MS SCAN

Method: \\Valsvr08\ChromData\SMSA\20110929-5628.b\8270C_SMSA.m
Last Update: 29-Sep-2011 13:59:50 Calib Date: 29-Sep-2011 13:43:30
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\Valsvr08\ChromData\SMSA\20110929-5628.b\D1610.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: 29-Sep-2011 13:29:07

Compound	Sig	RT	EXP RT	DLT RT	Q	Response	On-Col Amt ug/ml	Flags
9 1,4-Dioxane	88	1.792	1.792	0.0	87	185259	45.6	
30 N-Nitrosodimethylamine	74	1.979	1.979	0.0	90	233500	51.9	
31 Pyridine	79	1.995	1.995	0.0	92	431880	52.8	
$ 32 2-Fluorophenol	112	2.855	2.855	0.0	91	334992	51.1	
$ 34 Phenol-d5	99	3.598	3.598	0.0	0	386509	52.4	
35 Phenol	94	3.608	3.608	0.0	88	410644	50.5	
36 Aniline	93	3.667	3.667	0.0	22	309470	41.7	
37 Bis(2-chloroethyl)ether	93	3.667	3.667	0.0	97	309470	50.8	
38 2-Chlorophenol	128	3.726	3.726	0.0	94	318490	50.4	
39 1,3-Dichlorobenzene	146	3.849	3.849	0.0	91	399621	51.9	
* 40 1,4-Dichlorobenzene-d4	152	3.881	3.881	0.0	72	207768	40.0	
41 1,4-Dichlorobenzene	146	3.891	3.891	0.0	77	391854	51.7	
42 Benzyl alcohol	108	4.014	4.014	0.0	79	185707	53.5	
43 1,2-Dichlorobenzene	146	4.062	4.062	0.0	90	364202	51.1	
44 2-Methylphenol	108	4.132	4.132	0.0	94	265963	48.6	
10 2,2'-oxybis(2-chloropropane)	45	4.153	4.153	0.0	0	265826	51.9	M
45 Acetophenone	105	4.260	4.260	0.0	86	409007	52.1	
47 3 & 4 Methylphenol	108	4.265	4.265	0.0	0	292446	51.8	
46 N-Nitrosodi-n-propylamine	70	4.281	4.281	0.0	98	227084	49.2	
48 Hexachloroethane	117	4.340	4.340	0.0	88	164558	51.2	
$ 49 Nitrobenzene-d5	82	4.404	4.404	0.0	87	403714	50.7	
50 Nitrobenzene	77	4.420	4.420	0.0	87	350575	49.7	
51 Isophorone	82	4.634	4.634	0.0	93	554151	50.2	
52 2-Nitrophenol	139	4.719	4.719	0.0	94	176613	50.8	
53 2,4-Dimethylphenol	107	4.757	4.757	0.0	81	339330	49.1	
S 3 Methyl Phenols,Total	100				0		100.4	
54 Bis(2-chloroethoxy)methane	93	4.842	4.842	0.0	98	336385	52.0	
5 Benzoic acid	105	4.853	4.853	0.0	91	235168	48.9	
55 2,4-Dichlorophenol	162	4.944	4.944	0.0	95	265947	52.1	
56 1,2,4-Trichlorobenzene	180	5.019	5.019	0.0	89	307455	50.0	

Compound	Sig	RT	EXP RT	DLT RT	Q	Response	On-Col Amt ug/ml	Flags
* 57 Naphthalene-d8	136	5.061	5.061	0.0	96	633945	40.0	
58 Naphthalene	128	5.077	5.077	0.0	95	855257	48.2	
59 4-Chloroaniline	127	5.152	5.152	0.0	81	315127	50.4	
60 Hexachlorobutadiene	225	5.254	5.254	0.0	93	234079	49.2	
61 4-Chloro-3-methylphenol	107	5.628	5.628	0.0	99	294264	50.4	
62 2-Methylnaphthalene	141	5.745	5.745	0.0	81	490996	49.4	
63 Hexachlorocyclopentadiene	237	5.980	5.980	0.0	89	179452	75.7	
64 2,4,6-Trichlorophenol	196	6.071	6.071	0.0	91	200406	49.9	
65 2,4,5-Trichlorophenol	196	6.114	6.114	0.0	89	214502	50.7	
$ 66 2-Fluorobiphenyl	172	6.151	6.151	0.0	91	681949	50.3	
116 1,1'-Biphenyl	154	6.253	6.253	0.0	0	650613	50.8	
67 2-Chloronaphthalene	162	6.263	6.263	0.0	99	544812	50.0	
68 2-Nitroaniline	65	6.418	6.418	0.0	77	175732	49.0	
69 Dimethyl phthalate	163	6.653	6.653	0.0	96	573816	49.2	
70 2,6-Dinitrotoluene	165	6.723	6.723	0.0	76	151521	48.8	
71 Acenaphthylene	152	6.733	6.733	0.0	91	766701	49.7	
72 3-Nitroaniline	138	6.872	6.872	0.0	90	143247	50.8	
* 73 Acenaphthene-d10	164	6.894	6.894	0.0	91	369114	40.0	
74 Acenaphthene	153	6.926	6.926	0.0	85	502789	49.4	
75 2,4-Dinitrophenol	184	6.979	6.979	0.0	82	87092	51.9	
78 4-Nitrophenol	109	7.065	7.065	0.0	89	113555	49.3	
77 Dibenzofuran	168	7.091	7.091	0.0	87	706256	49.5	
76 2,4-Dinitrotoluene	165	7.134	7.134	0.0	78	188158	49.0	
79 Diethyl phthalate	149	7.391	7.391	0.0	98	534102	48.1	
80 Fluorene	166	7.439	7.439	0.0	81	614335	49.6	
81 4-Chlorophenyl phenyl ether	204	7.439	7.439	0.0	70	321173	49.1	
82 4-Nitroaniline	138	7.497	7.497	0.0	70	124527	48.0	
83 4,6-Dinitro-2-methylphenol	198	7.540	7.540	0.0	47	123987	52.4	
84 N-Nitrosodiphenylamine	169	7.561	7.561	0.0	94	493199	50.8	
85 1,2-Diphenylhydrazine	77	7.594	7.594	0.0	96	578166	51.0	
$ 86 2,4,6-Tribromophenol	141	7.690	7.690	0.0	74	37514	46.6	
87 4-Bromophenyl phenyl ether	248	7.898	7.898	0.0	63	186177	53.1	
88 Hexachlorobenzene	284	8.032	8.032	0.0	86	168595	51.0	
89 Pentachlorophenol	266	8.192	8.192	0.0	91	126099	53.5	
* 90 Phenanthrene-d10	188	8.293	8.293	0.0	97	553217	40.0	
91 Phenanthrene	178	8.315	8.315	0.0	83	756111	49.3	
92 Anthracene	178	8.352	8.352	0.0	95	749403	49.1	
93 Carbazole	167	8.496	8.496	0.0	70	671498	49.0	
94 Di-n-butyl phthalate	149	8.828	8.828	0.0	98	706479	49.3	
95 Fluoranthene	202	9.298	9.298	0.0	96	795064	48.3	
96 Benzidine	184	9.399	9.399	0.0	96	1543763	251.2	M
97 Pyrene	202	9.474	9.474	0.0	91	777575	49.9	
$ 98 Terphenyl-d14	244	9.592	9.592	0.0	98	559332	50.3	
99 Butyl benzyl phthalate	149	9.987	9.987	0.0	97	325336	50.2	
100 3,3'-Dichlorobenzidine	252	10.388	10.388	0.0	94	1030039	90.4	
101 Benzo[a]anthracene	228	10.404	10.404	0.0	98	667662	47.6	
* 103 Chrysene-d12	240	10.420	10.420	0.0	81	443888	40.0	
102 Bis(2-ethylhexyl) phthalate	149	10.436	10.436	0.0	94	374858	48.8	
104 Chrysene	228	10.436	10.436	0.0	86	659988	49.3	
105 Di-n-octyl phthalate	149	10.895	10.895	0.0	98	580733	48.7	
106 Benzo[b]fluoranthene	252	11.232	11.232	0.0	92	640025	48.3	
107 Benzo[k]fluoranthene	252	11.242	11.242	0.0	97	686180	50.4	M

Compound	Sig	RT	EXP RT	DLT RT	Q	Response	On-Col Amt ug/ml	Flags
108 Benzo[a]pyrene	252	11.467	11.467	0.0	82	556368	50.4	
* 109 Perylene-d12	264	11.504	11.504	0.0	97	386924	40.0	
110 Indeno[1,2,3-cd]pyrene	276	12.236	12.236	0.0	92	607157	53.3	
111 Dibenz(a,h)anthracene	278	12.236	12.236	0.0	55	479778	51.7	
24 Benzo[g,h,i]perylene	276	12.412	12.412	0.0	92	503837	52.6	

QC Flag Legend

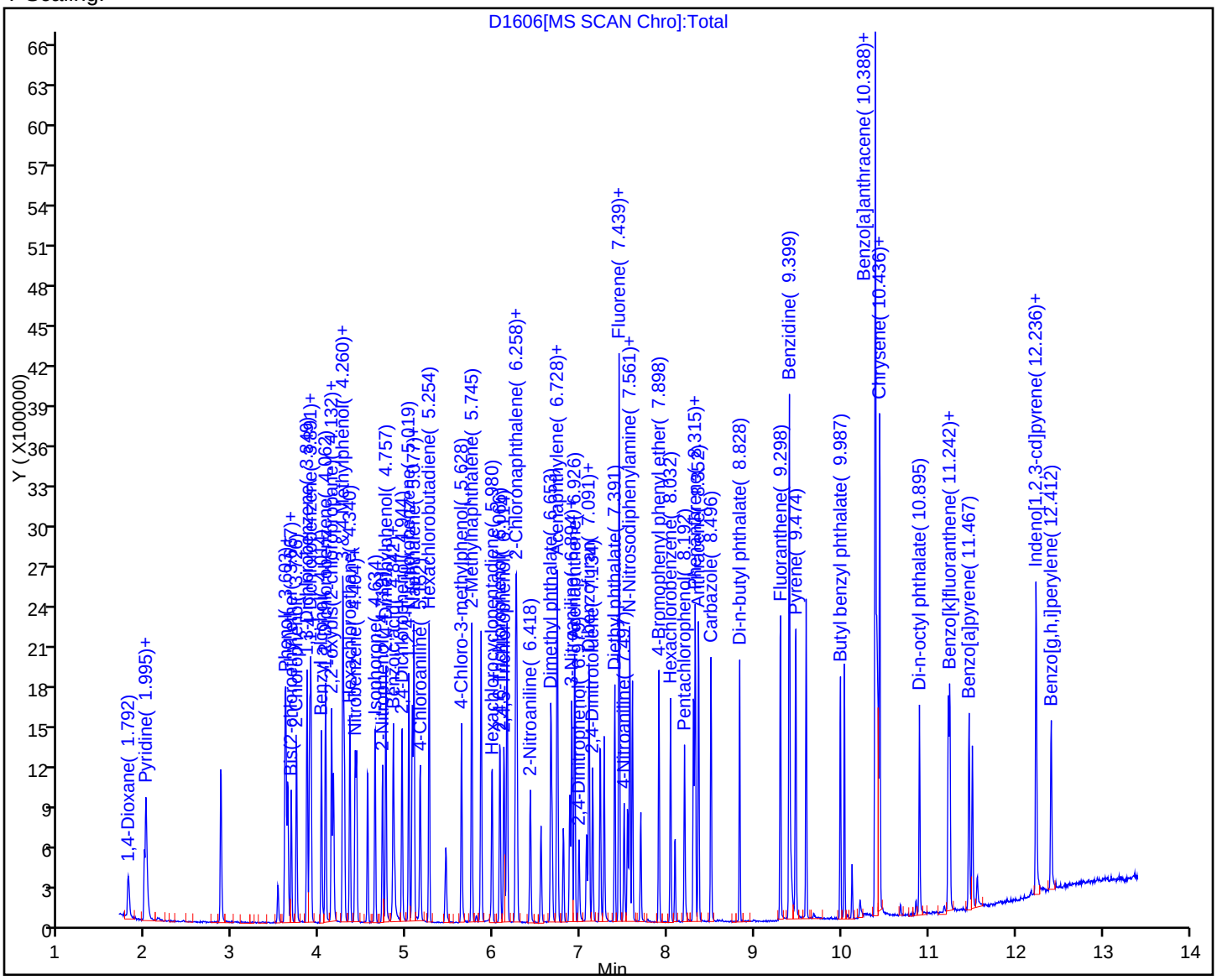
Review Flags
M - Manually Integrated

Report Date: 29-Sep-2011 13:59:50 Chrom Revision: 1.2 13-Jul-2011 10:43:06

Data File: \\Valsvr08\ChromData\SMSA\20110929-5628.b\D1606.D

Injection Date:	29-Sep-2011 12:26:30	Limit Group:	SMS - 1 - 8270 SVOA Calibration
Client ID:		Instrument ID:	SMSA
Lims Batch ID:	87354	Lims Sample ID:	7
Operator ID:	WDS	Injection Vol:	1.00 ul

Y Scaling:



Report Date: 29-Sep-2011 13:59:50 Chrom Revision: 1.2 13-Jul-2011 10:43:06

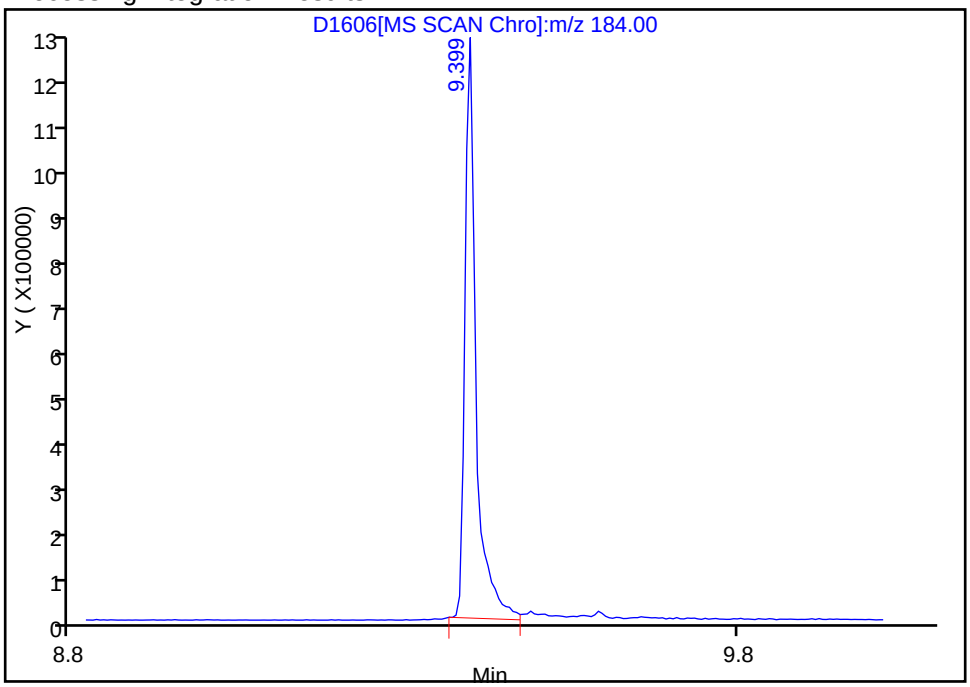
Manual Integration/User Assign Peak Report

Data File:	\\Valsvr08\ChromData\SMSA\20110929-5628.b\D1606.D		
Injection Date:	29-Sep-2011 12:26:30	Limit Group:	SMS - 1 - 8270 SVOA Calibration
Client ID:		Instrument ID:	SMSA
Lims Batch ID:	87354	Lims Sample ID:	7
Operator ID:	WDS	Injection Vol:	1.00 ul

96 Benzidine, Signal: 1, m/z: 184.0 Type: quant, RT: 9.40

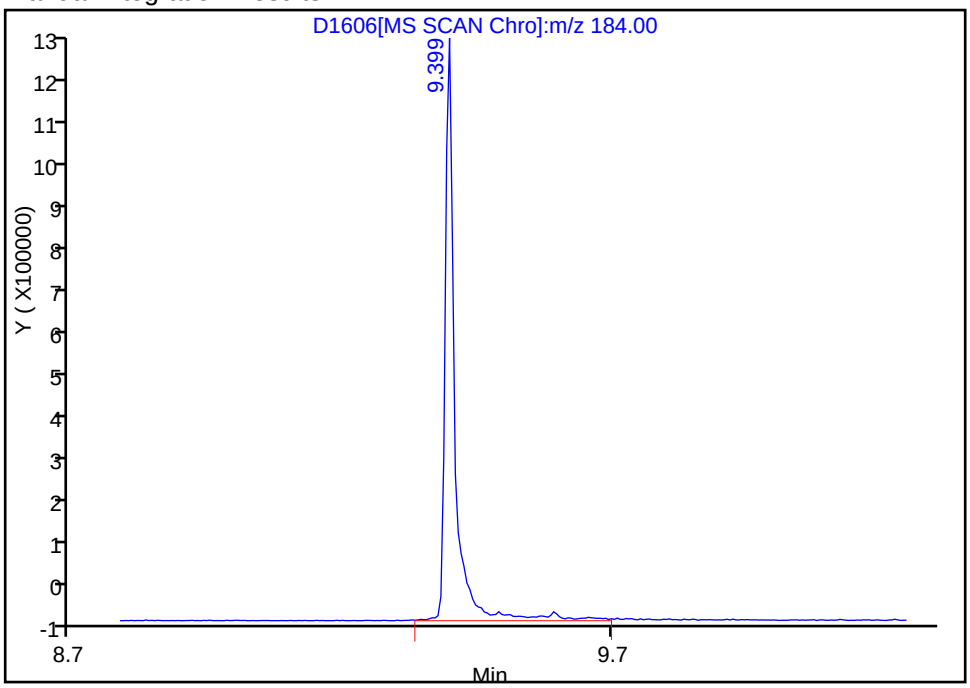
Processing Integration Results

RT: 9.40
Response: 1406085
Amount: 169.1745



Manual Integration Results

RT: 9.40
Response: 1543763
Amount: 251.1709



Reviewer: squiresb, 29-Sep-2011 13:29:07
Audit Action: Manually Integrated
Audit Reason: Baseline

Report Date: 29-Sep-2011 13:59:50 Chrom Revision: 1.2 13-Jul-2011 10:43:06

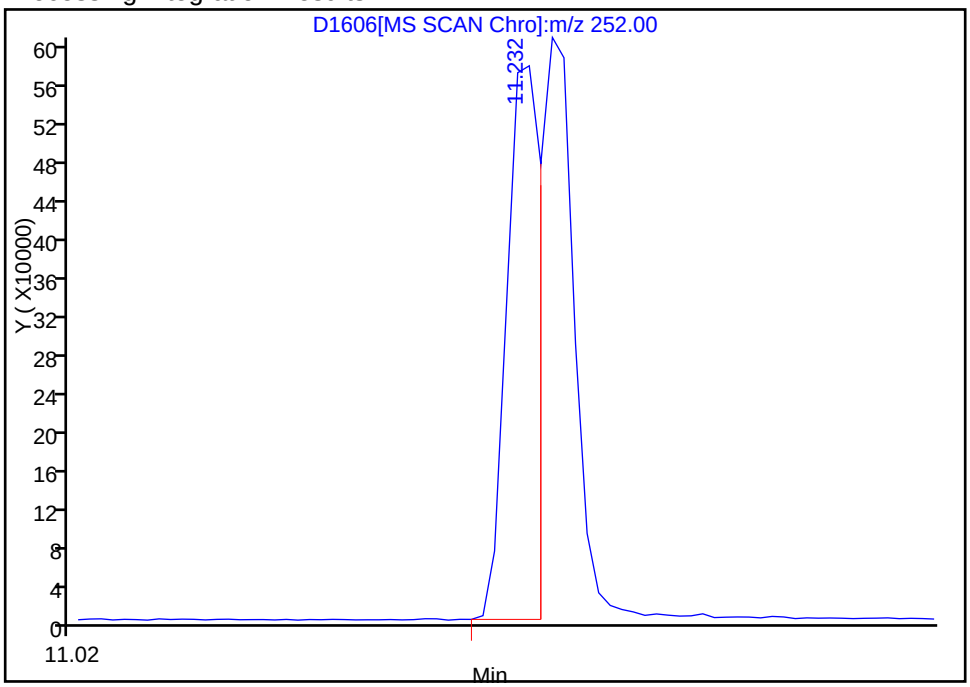
Manual Integration/User Assign Peak Report

Data File:	\\Valsvr08\ChromData\SMSA\20110929-5628.b\D1606.D		
Injection Date:	29-Sep-2011 12:26:30	Limit Group:	SMS - 1 - 8270 SVOA Calibration
Client ID:		Instrument ID:	SMSA
Lims Batch ID:	87354	Lims Sample ID:	7
Operator ID:	WDS	Injection Vol:	1.00 ul

107 Benzo[k]fluoranthene, Signal: 1, m/z: 252.0 Type: quant, RT: 11.24

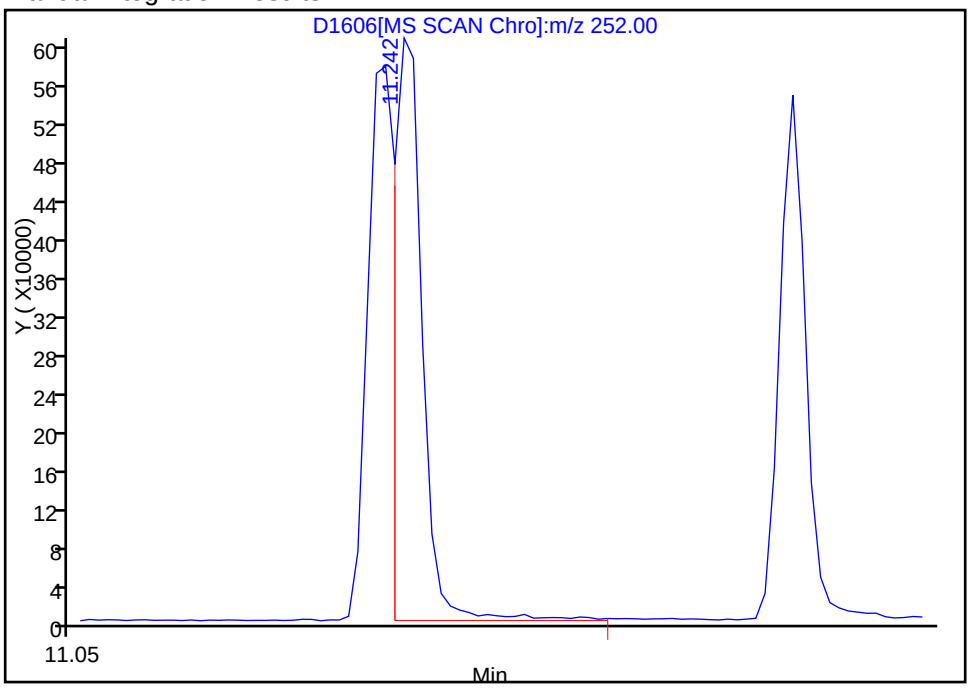
Processing Integration Results

RT: 11.23
Response: 640025
Amount: 45.204373



Manual Integration Results

RT: 11.24
Response: 686180
Amount: 50.352475



Reviewer: squiresb, 29-Sep-2011 13:29:07
Audit Action: Manually Integrated
Audit Reason: Assign Peak

Report Date: 29-Sep-2011 13:59:50 Chrom Revision: 1.2 13-Jul-2011 10:43:06

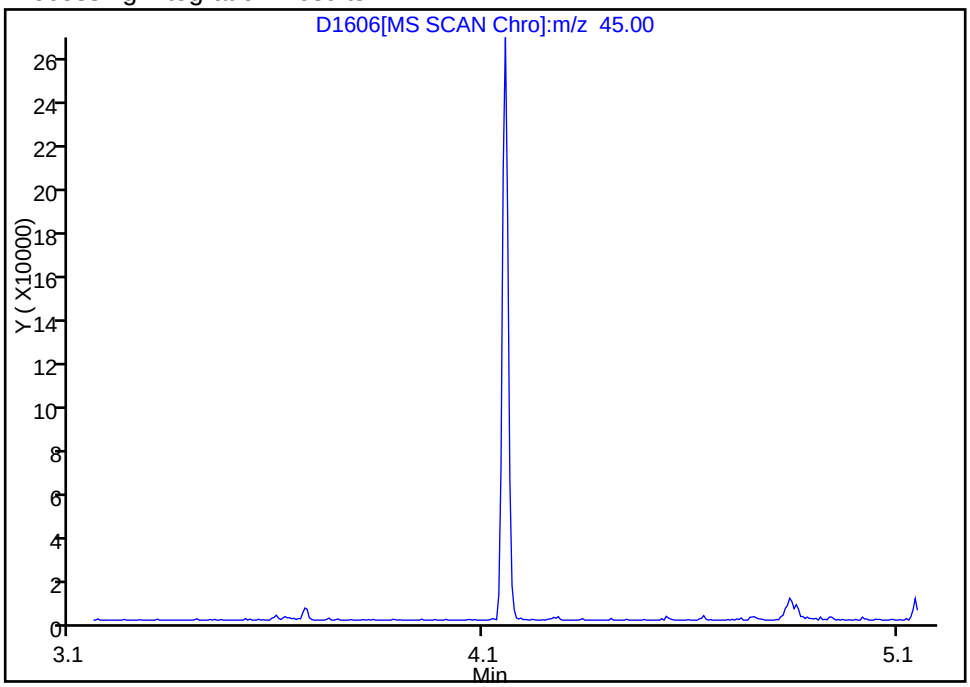
Manual Integration/User Assign Peak Report

Data File:	\\Valsvr08\ChromData\SMSA\20110929-5628.b\D1606.D		
Injection Date:	29-Sep-2011 12:26:30	Limit Group:	SMS - 1 - 8270 SVOA Calibration
Client ID:		Instrument ID:	SMSA
Lims Batch ID:	87354	Lims Sample ID:	7
Operator ID:	WDS	Injection Vol:	1.00 ul

10 2,2'-oxybis(2-chloropropane), Signal: 1, m/z: 45.0 Type: quant, RT: 4.15

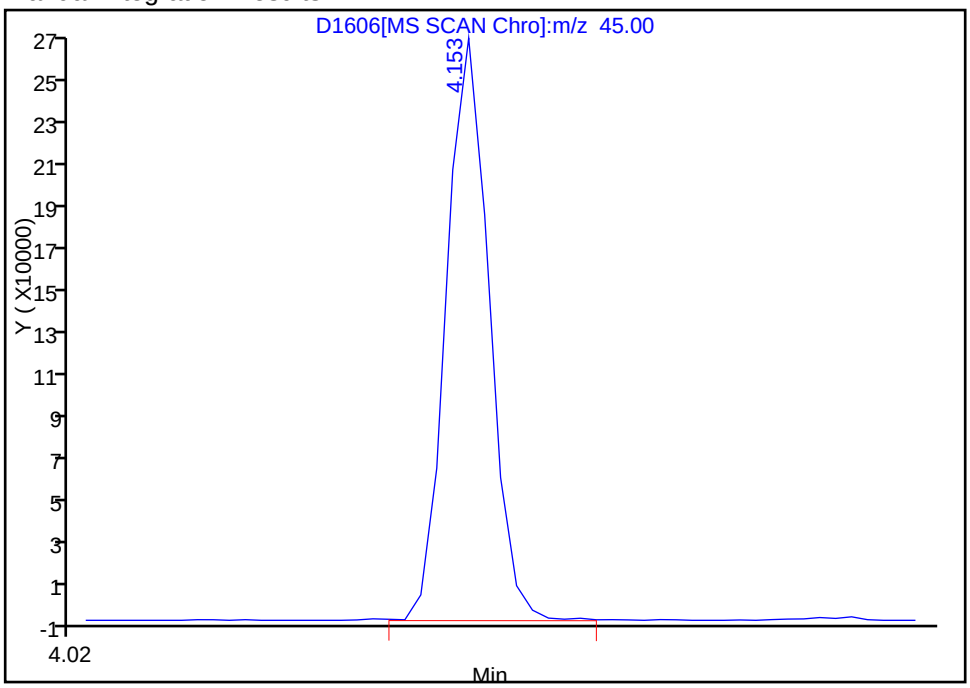
Processing Integration Results

Not Detected
Expected RT: 4.15



Manual Integration Results

RT: 4.15
Response: 265826
Amount: 51.902579



Reviewer: squiresb, 29-Sep-2011 13:29:07
Audit Action: Manually Integrated
Audit Reason: Assign Peak

Report Date: 29-Sep-2011 14:00:02 Chrom Revision: 1.2 13-Jul-2011 10:43:06

TestAmerica Laboratories
Target Compound Quantitation Report

Data File: \\Valsvr08\ChromData\SMSA\20110929-5628.b\D1607.D
Lims ID: sstd060 Client ID:
Inject. Date: 29-Sep-2011 12:46:30 Dil. Factor: 1.0000
Sample Type: IC Calib Level: 7
Sample ID: SSTD060
Misc. Info.: 510-0005628-008 =510-0005628-008
Operator: WDS Instrument ID: SMSA
Vol. Injected: 1.0000 ALS Bottle#: 8
Lims Batch ID: 87354 Lims Sample ID: 8
Sublist: chrom-8270C_SMSA*sub30
Detector: MS SCAN

Method: \\Valsvr08\ChromData\SMSA\20110929-5628.b\8270C_SMSA.m
Last Update: 29-Sep-2011 14:00:01 Calib Date: 29-Sep-2011 13:43:30
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\Valsvr08\ChromData\SMSA\20110929-5628.b\D1610.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: 29-Sep-2011 13:30:16

Compound	Sig	RT	EXP RT	DLT RT	Q	Response	On-Col Amt ug/ml	Flags
9 1,4-Dioxane	88	1.797	1.797	0.0	88	184798	61.5	
30 N-Nitrosodimethylamine	74	1.979	1.979	0.0	91	199340	59.9	
31 Pyridine	79	2.000	2.000	0.0	94	370590	61.3	
$ 32 2-Fluorophenol	112	2.860	2.860	0.0	90	263795	54.4	
$ 34 Phenol-d5	99	3.598	3.598	0.0	0	297606	54.5	
35 Phenol	94	3.608	3.603	0.005	88	324231	54.0	
36 Aniline	93	3.624	3.667	-0.043	0	300163	54.6	M
37 Bis(2-chloroethyl)ether	93	3.667	3.667	0.0	95	241694	53.7	
38 2-Chlorophenol	128	3.726	3.726	0.0	95	242543	51.9	
39 1,3-Dichlorobenzene	146	3.849	3.849	0.0	92	344136	60.4	
* 40 1,4-Dichlorobenzene-d4	152	3.881	3.881	0.0	70	153690	40.0	
41 1,4-Dichlorobenzene	146	3.891	3.891	0.0	78	323429	57.7	
42 Benzyl alcohol	108	4.014	4.014	0.0	81	134591	52.4	
43 1,2-Dichlorobenzene	146	4.062	4.062	0.0	88	301201	57.1	
44 2-Methylphenol	108	4.132	4.132	0.0	95	223230	55.2	
10 2,2'-oxybis(2-chloropropane)	45	4.153	4.153	0.0	0	215614	56.9	M
45 Acetophenone	105	4.260	4.260	0.0	89	324947	56.0	
47 3 & 4 Methylphenol	108	4.265	4.265	0.0	0	220284	52.7	
46 N-Nitrosodi-n-propylamine	70	4.276	4.276	0.0	96	179412	52.6	
48 Hexachloroethane	117	4.340	4.340	0.0	85	137485	57.9	
$ 49 Nitrobenzene-d5	82	4.404	4.404	0.0	89	316680	59.2	
50 Nitrobenzene	77	4.420	4.420	0.0	86	283559	59.8	
51 Isophorone	82	4.629	4.629	0.0	94	442675	59.7	
52 2-Nitrophenol	139	4.719	4.720	-0.001	96	144199	61.8	
53 2,4-Dimethylphenol	107	4.757	4.757	0.0	80	266287	57.3	
S 3 Methyl Phenols,Total	100				0		107.9	
54 Bis(2-chloroethoxy)methane	93	4.842	4.842	0.0	98	262349	54.9	
5 Benzoic acid	105	4.848	4.853	-0.005	63	206072	63.0	
55 2,4-Dichlorophenol	162	4.938	4.939	-0.001	93	203355	53.9	
56 1,2,4-Trichlorobenzene	180	5.019	5.019	0.0	91	244003	59.1	

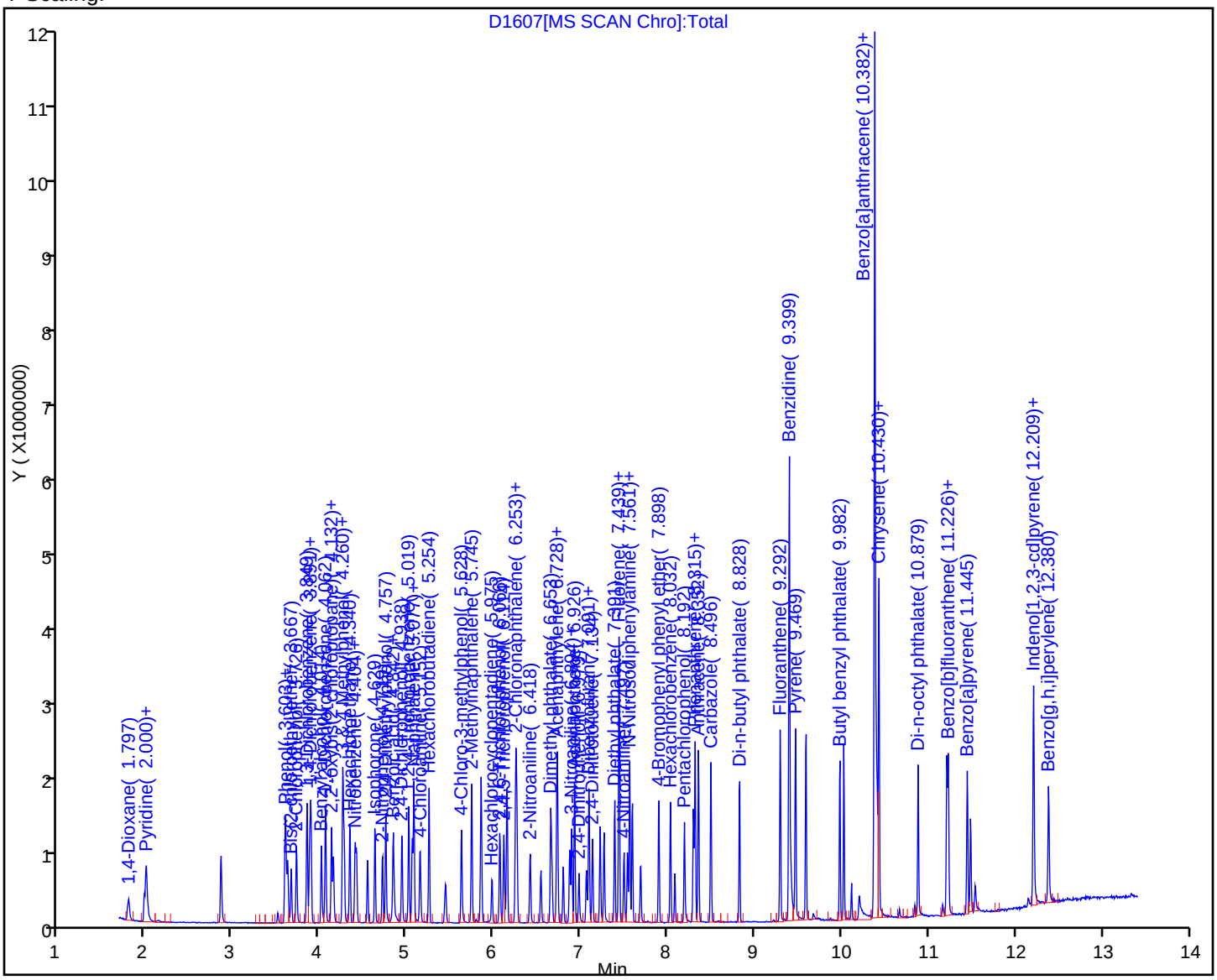
Compound	Sig	RT	EXP RT	DLT RT	Q	Response	On-Col Amt ug/ml	Flags
* 57 Naphthalene-d8	136	5.061	5.061	0.0	96	425598	40.0	
58 Naphthalene	128	5.077	5.077	0.0	96	713028	59.9	
59 4-Chloroaniline	127	5.147	5.152	-0.005	81	252413	60.1	
60 Hexachlorobutadiene	225	5.254	5.254	0.0	91	185491	58.1	
61 4-Chloro-3-methylphenol	107	5.628	5.628	0.0	95	243676	62.2	
62 2-Methylnaphthalene	141	5.745	5.745	0.0	78	404041	60.6	
63 Hexachlorocyclopentadiene	237	5.980	5.980	0.0	87	88121	50.3	
64 2,4,6-Trichlorophenol	196	6.071	6.071	0.0	89	172025	58.0	
65 2,4,5-Trichlorophenol	196	6.114	6.114	0.0	92	192536	61.6	
$ 66 2-Fluorobiphenyl	172	6.151	6.151	0.0	91	554679	55.3	
116 1,1'-Biphenyl	154	6.253	6.253	0.0	0	533467	56.3	
67 2-Chloronaphthalene	162	6.263	6.263	0.0	99	458477	56.9	
68 2-Nitroaniline	65	6.418	6.418	0.0	72	167017	63.0	
69 Dimethyl phthalate	163	6.653	6.653	0.0	95	499982	58.1	
70 2,6-Dinitrotoluene	165	6.723	6.723	0.0	76	141149	61.6	
71 Acenaphthylene	152	6.733	6.734	-0.001	96	671971	58.9	
72 3-Nitroaniline	138	6.872	6.872	0.0	90	137030	65.8	
* 73 Acenaphthene-d10	164	6.894	6.894	0.0	88	272774	40.0	
74 Acenaphthene	153	6.926	6.926	0.0	89	437015	58.1	
75 2,4-Dinitrophenol	184	6.979	6.979	0.0	81	87019	70.1	
78 4-Nitrophenol	109	7.065	7.065	0.0	89	110960	65.1	
77 Dibenzofuran	168	7.091	7.091	0.0	80	626468	59.4	
76 2,4-Dinitrotoluene	165	7.134	7.134	0.0	84	178964	63.0	
79 Diethyl phthalate	149	7.391	7.391	0.0	99	501155	61.0	
80 Fluorene	166	7.439	7.439	0.0	80	559085	61.0	
81 4-Chlorophenyl phenyl ether	204	7.439	7.439	0.0	72	282326	58.4	
82 4-Nitroaniline	138	7.497	7.497	0.0	72	132985	69.4	
83 4,6-Dinitro-2-methylphenol	198	7.535	7.535	0.0	67	127380	63.3	
84 N-Nitrosodiphenylamine	169	7.561	7.562	-0.001	96	457262	55.4	
85 1,2-Diphenylhydrazine	77	7.594	7.594	0.0	81	540701	56.1	
$ 86 2,4,6-Tribromophenol	141	7.684	7.690	-0.006	74	39631	66.6	
87 4-Bromophenyl phenyl ether	248	7.898	7.898	0.0	63	161793	54.3	
88 Hexachlorobenzene	284	8.032	8.032	0.0	84	155850	55.5	
89 Pentachlorophenol	266	8.192	8.192	0.0	89	121903	60.8	
* 90 Phenanthrene-d10	188	8.293	8.293	0.0	97	470122	40.0	
91 Phenanthrene	178	8.315	8.315	0.0	84	741515	56.9	
92 Anthracene	178	8.352	8.352	0.0	95	746686	57.6	
93 Carbazole	167	8.496	8.496	0.0	76	697578	59.9	
94 Di-n-butyl phthalate	149	8.828	8.828	0.0	98	730656	60.0	
95 Fluoranthene	202	9.292	9.298	-0.006	97	854664	61.1	
96 Benzidine	184	9.399	9.399	0.0	95	2262683	407.1	M
97 Pyrene	202	9.469	9.474	-0.005	92	842676	56.0	
$ 98 Terphenyl-d14	244	9.592	9.592	0.0	99	594641	55.3	
99 Butyl benzyl phthalate	149	9.982	9.987	-0.005	96	371759	59.4	
100 3,3'-Dichlorobenzidine	252	10.382	10.393	-0.011	89	1630763	202.6	
101 Benzo[a]anthracene	228	10.398	10.409	-0.011	96	775868	57.2	
* 103 Chrysene-d12	240	10.409	10.425	-0.016	82	428731	40.0	
102 Bis(2-ethylhexyl) phthalate	149	10.430	10.441	-0.011	93	455614	61.4	
104 Chrysene	228	10.430	10.441	-0.011	77	786170	60.8	
105 Di-n-octyl phthalate	149	10.879	10.906	-0.027	97	732224	60.4	
106 Benzo[b]fluoranthene	252	11.226	11.242	-0.016	92	768121	57.0	M
107 Benzo[k]fluoranthene	252	11.210	11.258	-0.048	97	838833	60.6	

Compound	Sig	RT	EXP RT	DLT RT	Q	Response	On-Col Amt ug/ml	Flags
108 Benzo[a]pyrene	252	11.445	11.483	-0.038	81	672025	59.9	
* 109 Perylene-d12	264	11.483	11.520	-0.037	91	393145	40.0	
110 Indeno[1,2,3-cd]pyrene	276	12.209	12.263	-0.054	91	712691	61.6	
111 Dibenz(a,h)anthracene	278	12.209	12.263	-0.054	65	583003	61.8	
24 Benzo[g,h,i]perylene	276	12.380	12.434	-0.054	91	591530	60.8	

QC Flag Legend

Review Flags
M - Manually Integrated

Report Date: 29-Sep-2011 14:00:02 Chrom Revision: 1.2 13-Jul-2011 10:43:06
Data File: \\Valsvr08\ChromData\SMSA\20110929-5628.b\D1607.D
Injection Date: 29-Sep-2011 12:46:30 Limit Group: SMS - 1 - 8270 SVOA Calibration
Client ID: Instrument ID: SMSA
Lims Batch ID: 87354 Lims Sample ID: 8
Operator ID: WDS Injection Vol: 1.00 ul
Y Scaling:



Report Date: 29-Sep-2011 14:00:02 Chrom Revision: 1.2 13-Jul-2011 10:43:06

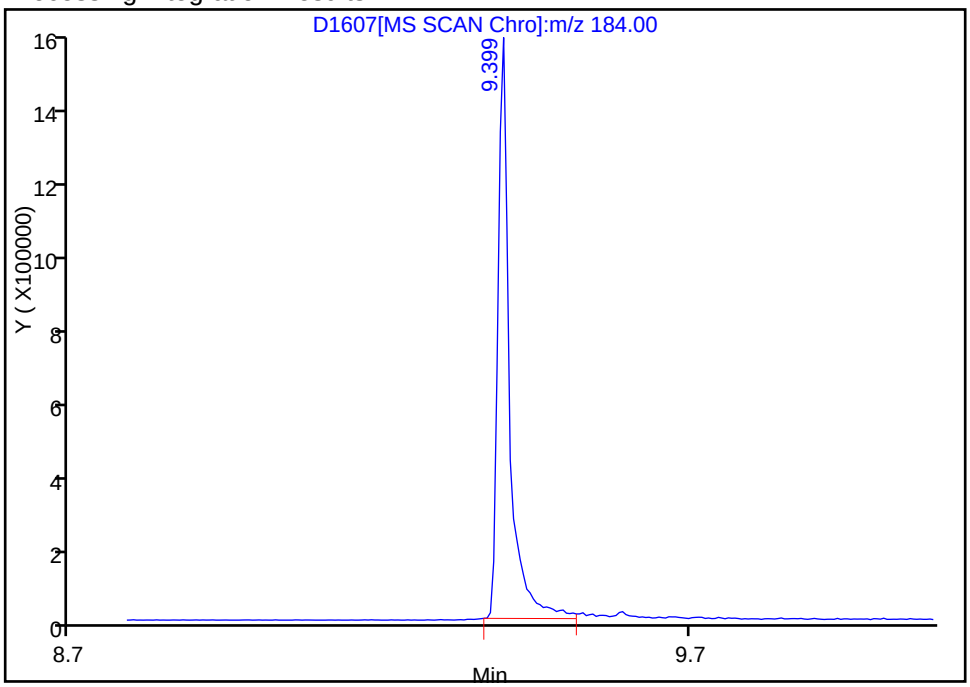
Manual Integration/User Assign Peak Report

Data File:	\\Valsvr08\ChromData\SMSA\20110929-5628.b\D1607.D		
Injection Date:	29-Sep-2011 12:46:30	Limit Group:	SMS - 1 - 8270 SVOA Calibration
Client ID:		Instrument ID:	SMSA
Lims Batch ID:	87354	Lims Sample ID:	8
Operator ID:	WDS	Injection Vol:	1.00 ul

96 Benzidine, Signal: 1, m/z: 184.0 Type: quant, RT: 9.40

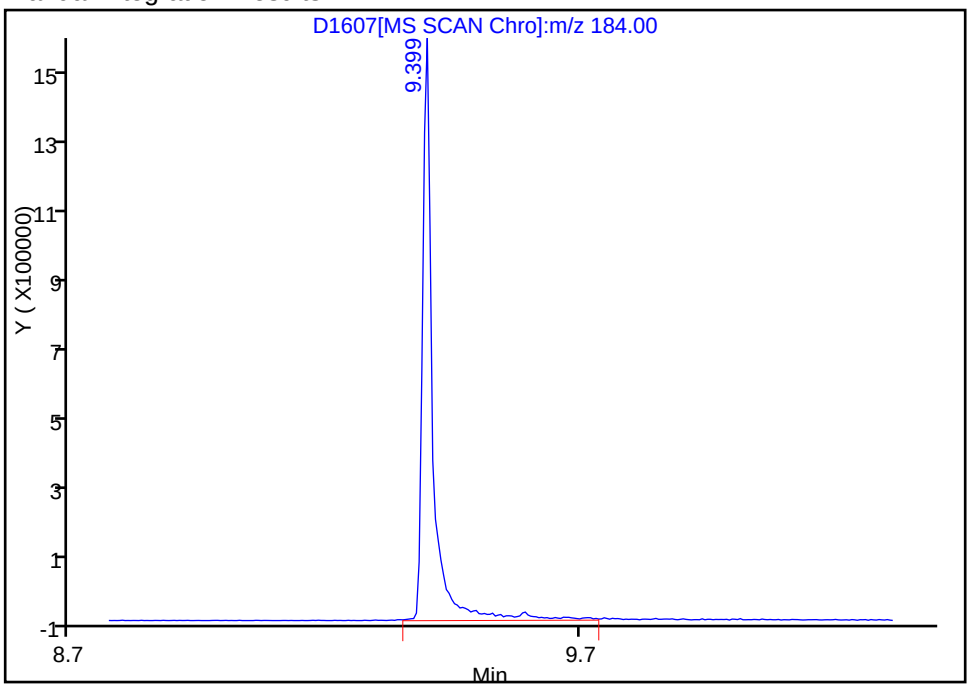
Processing Integration Results

RT: 9.40
Response: 2094329
Amount: 257.3373



Manual Integration Results

RT: 9.40
Response: 2262683
Amount: 407.1024



Reviewer: squiresb, 29-Sep-2011 13:30:16
Audit Action: Manually Integrated
Audit Reason: Baseline

Report Date: 29-Sep-2011 14:00:02 Chrom Revision: 1.2 13-Jul-2011 10:43:06

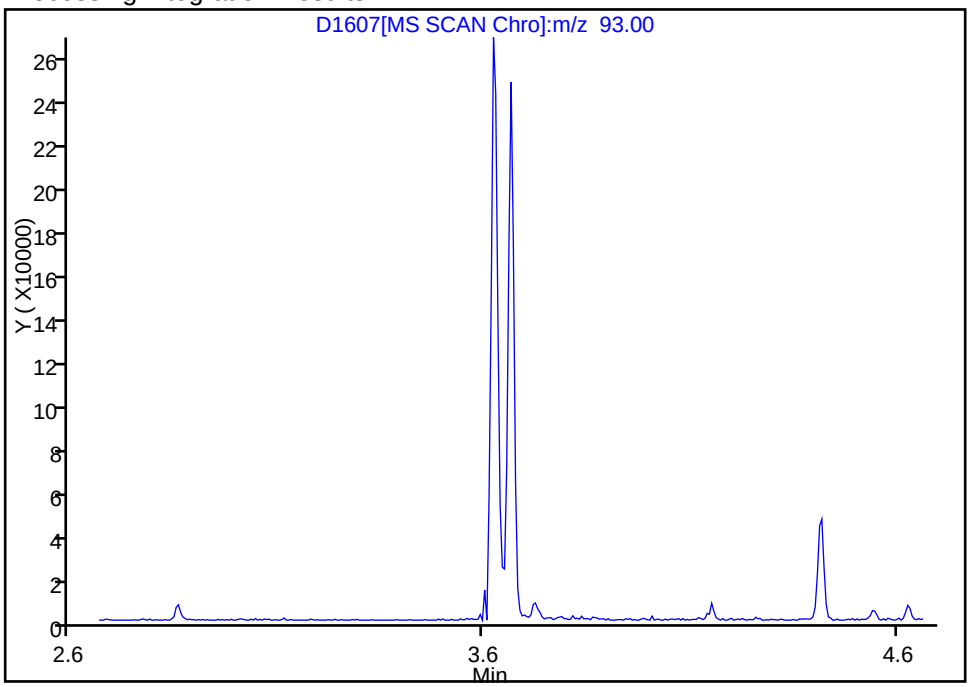
Manual Integration/User Assign Peak Report

Data File:	\\Valsvr08\ChromData\SMSA\20110929-5628.b\D1607.D		
Injection Date:	29-Sep-2011 12:46:30	Limit Group:	SMS - 1 - 8270 SVOA Calibration
Client ID:		Instrument ID:	SMSA
Lims Batch ID:	87354	Lims Sample ID:	8
Operator ID:	WDS	Injection Vol:	1.00 ul

36 Aniline, Signal: 1, m/z: 93.0 Type: quant, RT: 3.67

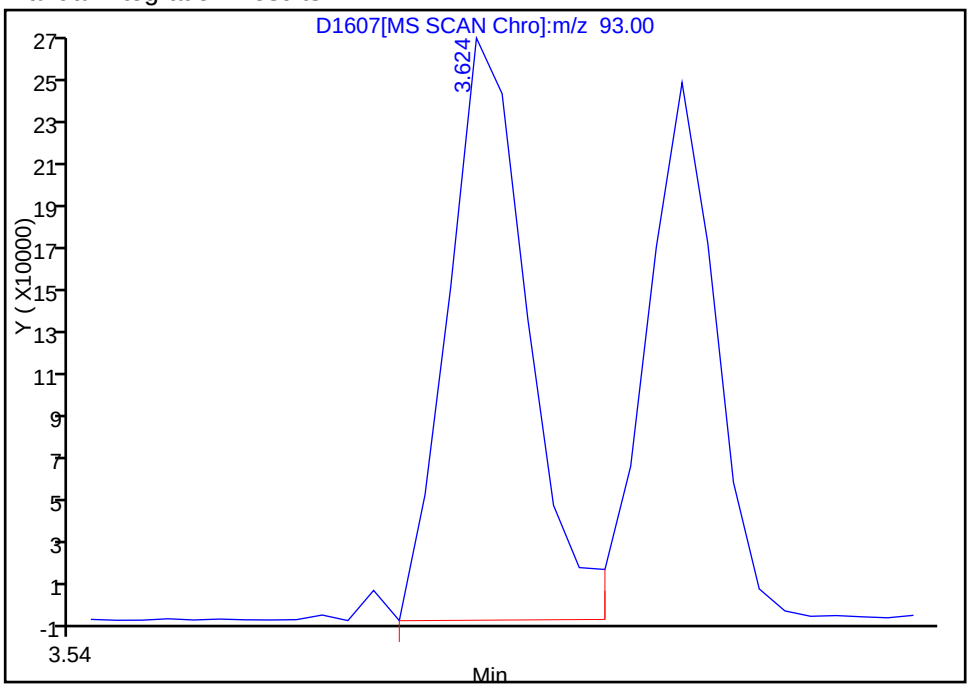
Processing Integration Results

Not Detected
Expected RT: 3.67



Manual Integration Results

RT: 3.62
Response: 300163
Amount: 54.641118



Reviewer: squiresb, 29-Sep-2011 13:30:16
Audit Action: Manually Integrated
Audit Reason: Assign Peak

Report Date: 29-Sep-2011 14:00:02 Chrom Revision: 1.2 13-Jul-2011 10:43:06

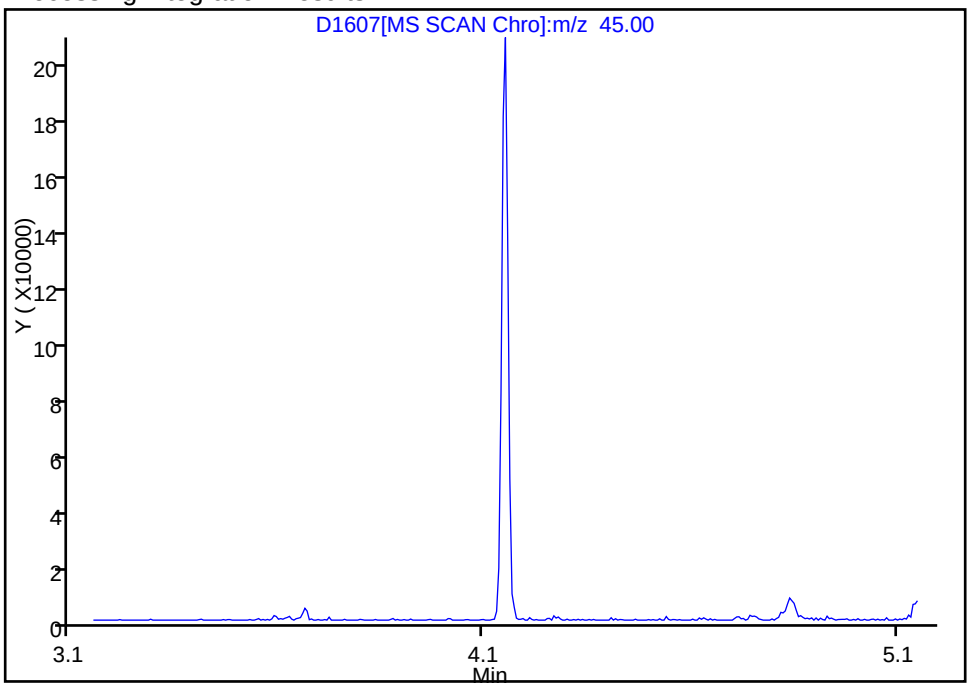
Manual Integration/User Assign Peak Report

Data File:	\\Valsvr08\ChromData\SMSA\20110929-5628.b\D1607.D		
Injection Date:	29-Sep-2011 12:46:30	Limit Group:	SMS - 1 - 8270 SVOA Calibration
Client ID:		Instrument ID:	SMSA
Lims Batch ID:	87354	Lims Sample ID:	8
Operator ID:	WDS	Injection Vol:	1.00 ul

10 2,2'-oxybis(2-chloropropane), Signal: 1, m/z: 45.0 Type: quant, RT: 4.15

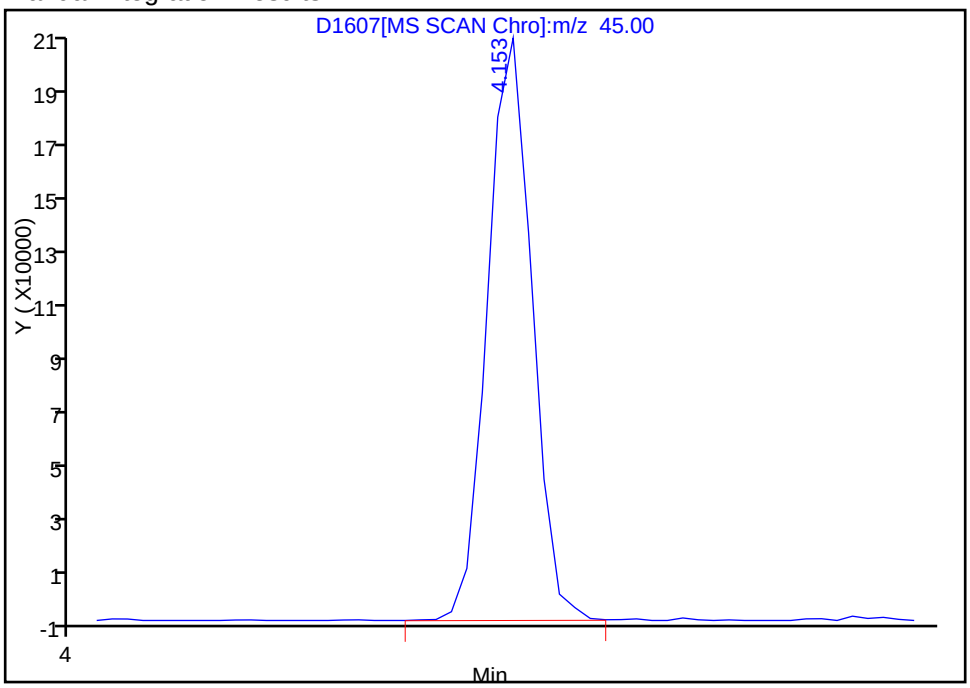
Processing Integration Results

Not Detected
Expected RT: 4.15



Manual Integration Results

RT: 4.15
Response: 215614
Amount: 56.911691



Reviewer: squiresb, 29-Sep-2011 13:30:16
Audit Action: Manually Integrated
Audit Reason: Assign Peak

Report Date: 29-Sep-2011 14:00:02 Chrom Revision: 1.2 13-Jul-2011 10:43:06

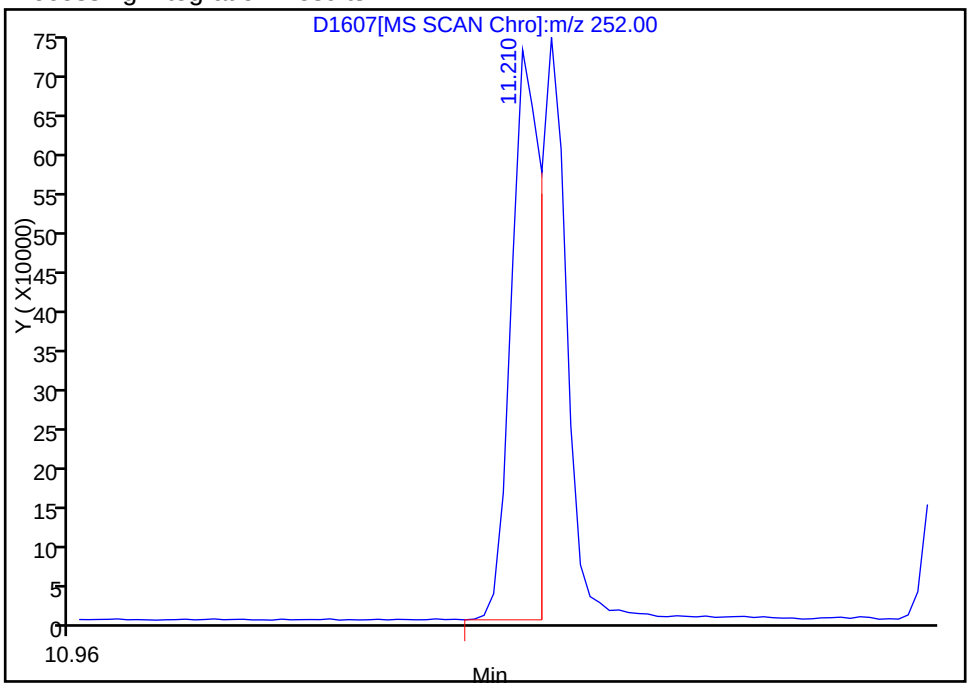
Manual Integration/User Assign Peak Report

Data File:	\\Valsvr08\ChromData\SMSA\20110929-5628.b\D1607.D		
Injection Date:	29-Sep-2011 12:46:30	Limit Group:	SMS - 1 - 8270 SVOA Calibration
Client ID:		Instrument ID:	SMSA
Lims Batch ID:	87354	Lims Sample ID:	8
Operator ID:	WDS	Injection Vol:	1.00 ul

106 Benzo[b]fluoranthene, Signal: 1, m/z: 252.0 Type: quant, RT: 11.24

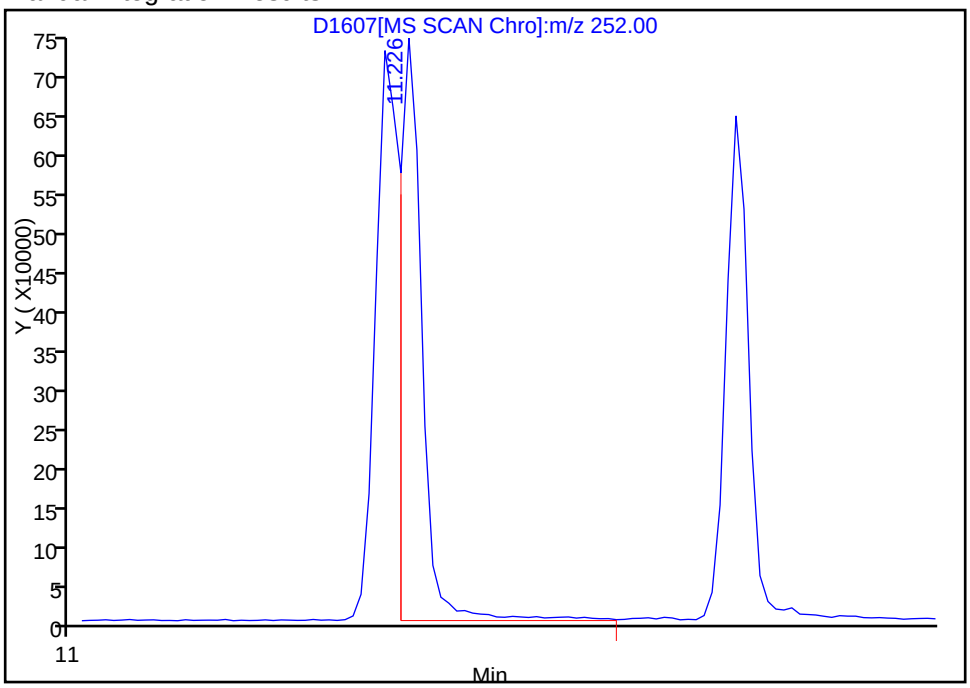
Processing Integration Results

RT: 11.21
Response: 838833
Amount: 60.412711



Manual Integration Results

RT: 11.23
Response: 768121
Amount: 57.019665



Reviewer: squiresb, 29-Sep-2011 13:30:16
Audit Action: Manually Integrated
Audit Reason: Assign Peak

Report Date: 29-Sep-2011 14:00:13 Chrom Revision: 1.2 13-Jul-2011 10:43:06

TestAmerica Laboratories
Target Compound Quantitation Report

Data File: \\Valsvr08\ChromData\SMSA\20110929-5628.b\D1608.D
Lims ID: sstd080 Client ID:
Inject. Date: 29-Sep-2011 13:05:30 Dil. Factor: 1.0000
Sample Type: IC Calib Level: 8
Sample ID: SSTD080
Misc. Info.: 510-0005628-009 =510-0005628-009
Operator: WDS Instrument ID: SMSA
Vol. Injected: 1.0000 ALS Bottle#: 9
Lims Batch ID: 87354 Lims Sample ID: 9
Sublist: chrom-8270C_SMSA*sub30
Detector: MS SCAN

Method: \\Valsvr08\ChromData\SMSA\20110929-5628.b\8270C_SMSA.m
Last Update: 29-Sep-2011 14:00:12 Calib Date: 29-Sep-2011 13:43:30
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\Valsvr08\ChromData\SMSA\20110929-5628.b\D1610.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: 29-Sep-2011 13:31:27

Compound	Sig	RT	EXP RT	DLT RT	Q	Response	On-Col Amt ug/ml	Flags
9 1,4-Dioxane	88	1.792	1.797	-0.005	88	273332	73.8	
30 N-Nitrosodimethylamine	74	1.979	1.979	0.0	92	343725	83.8	
31 Pyridine	79	1.995	2.000	-0.005	95	599461	80.5	
$ 32 2-Fluorophenol	112	2.860	2.860	0.0	89	459809	76.9	
$ 34 Phenol-d5	99	3.598	3.598	0.0	0	535344	79.6	
35 Phenol	94	3.608	3.603	0.005	87	568364	76.7	
36 Aniline	93	3.624	3.667	-0.043	0	532039	78.6	M
37 Bis(2-chloroethyl)ether	93	3.667	3.667	0.0	96	437324	78.8	
38 2-Chlorophenol	128	3.726	3.726	0.0	95	436990	75.8	
39 1,3-Dichlorobenzene	146	3.849	3.849	0.0	91	559837	71.5	
* 40 1,4-Dichlorobenzene-d4	152	3.881	3.881	0.0	67	189418	40.0	
41 1,4-Dichlorobenzene	146	3.892	3.891	0.001	77	521233	75.4	
42 Benzyl alcohol	108	4.014	4.014	0.0	78	256654	81.1	
43 1,2-Dichlorobenzene	146	4.062	4.062	0.0	89	498822	76.8	
44 2-Methylphenol	108	4.132	4.132	0.0	95	390817	78.4	
10 2,2'-oxybis(2-chloropropane)	45	4.153	4.153	0.0	0	366063	78.4	M
45 Acetophenone	105	4.260	4.260	0.0	91	574200	80.3	
47 3 & 4 Methylphenol	108	4.266	4.265	0.001	0	413406	80.3	
46 N-Nitrosodi-n-propylamine	70	4.282	4.276	0.006	98	332801	79.1	
48 Hexachloroethane	117	4.340	4.340	0.0	86	235646	80.5	
$ 49 Nitrobenzene-d5	82	4.404	4.404	0.0	89	565437	77.3	
50 Nitrobenzene	77	4.420	4.420	0.0	87	499762	77.1	
51 Isophorone	82	4.634	4.629	0.005	93	783919	77.3	
52 2-Nitrophenol	139	4.720	4.720	0.0	95	257098	80.5	
53 2,4-Dimethylphenol	107	4.757	4.757	0.0	80	477882	75.3	
S 3 Methyl Phenols,Total	100				0		158.6	
54 Bis(2-chloroethoxy)methane	93	4.842	4.842	0.0	98	481582	81.7	
5 Benzoic acid	105	4.869	4.853	0.016	92	394107	87.0	
55 2,4-Dichlorophenol	162	4.944	4.939	0.005	95	385690	74.3	
56 1,2,4-Trichlorobenzene	180	5.019	5.019	0.0	92	428423	75.8	

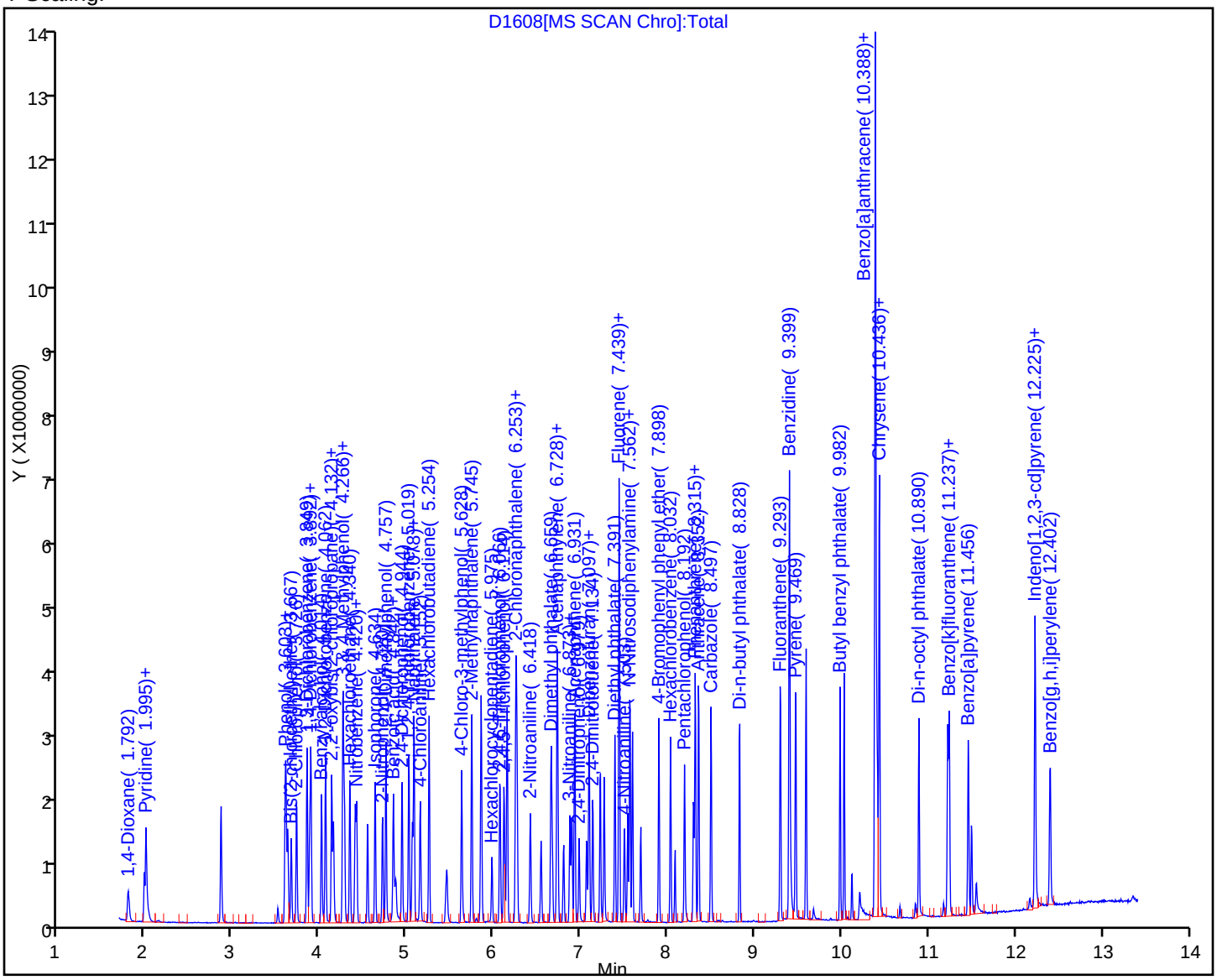
Compound	Sig	RT	EXP RT	DLT RT	Q	Response	On-Col Amt ug/ml	Flags
* 57 Naphthalene-d8	136	5.061	5.061	0.0	89	581958	40.0	
58 Naphthalene	128	5.078	5.077	0.001	95	1172903	72.1	
59 4-Chloroaniline	127	5.152	5.152	0.0	80	444821	77.5	
60 Hexachlorobutadiene	225	5.254	5.254	0.0	93	322420	73.8	
61 4-Chloro-3-methylphenol	107	5.628	5.628	0.0	97	446654	83.3	
62 2-Methylnaphthalene	141	5.745	5.745	0.0	81	711730	78.0	
63 Hexachlorocyclopentadiene	237	5.975	5.980	-0.005	93	143712	59.7	
64 2,4,6-Trichlorophenol	196	6.071	6.071	0.0	91	315447	77.3	
65 2,4,5-Trichlorophenol	196	6.114	6.114	0.0	93	342537	79.7	
$ 66 2-Fluorobiphenyl	172	6.151	6.151	0.0	89	959835	69.6	
116 1,1'-Biphenyl	154	6.253	6.253	0.0	0	941489	72.3	
67 2-Chloronaphthalene	162	6.264	6.263	0.001	98	798583	72.2	
68 2-Nitroaniline	65	6.418	6.418	0.0	76	291880	80.1	
69 Dimethyl phthalate	163	6.659	6.653	0.006	94	891295	75.3	
70 2,6-Dinitrotoluene	165	6.728	6.723	0.005	61	252366	80.1	
71 Acenaphthylene	152	6.734	6.734	0.0	92	1128017	71.9	
72 3-Nitroaniline	138	6.878	6.872	0.006	94	235153	82.1	
* 73 Acenaphthene-d10	164	6.894	6.894	0.0	92	374967	40.0	
74 Acenaphthene	153	6.931	6.926	0.005	85	776193	75.1	
75 2,4-Dinitrophenol	184	6.979	6.979	0.0	79	165576	97.0	
78 4-Nitrophenol	109	7.065	7.065	0.0	90	193911	82.8	
77 Dibenzofuran	168	7.097	7.091	0.006	80	1047132	72.2	
76 2,4-Dinitrotoluene	165	7.134	7.134	0.0	76	322129	82.5	
79 Diethyl phthalate	149	7.391	7.391	0.0	96	859288	76.1	
80 Fluorene	166	7.439	7.439	0.0	80	930764	73.9	
81 4-Chlorophenyl phenyl ether	204	7.439	7.439	0.0	72	504332	75.9	
82 4-Nitroaniline	138	7.503	7.497	0.006	71	223787	85.0	
83 4,6-Dinitro-2-methylphenol	198	7.540	7.535	0.005	47	227850	89.3	
84 N-Nitrosodiphenylamine	169	7.567	7.562	0.005	93	776618	74.1	
85 1,2-Diphenylhydrazine	77	7.594	7.594	0.0	97	891062	72.8	
$ 86 2,4,6-Tribromophenol	141	7.690	7.690	0.0	77	65446	80.0	
87 4-Bromophenyl phenyl ether	248	7.898	7.898	0.0	64	292798	77.4	
88 Hexachlorobenzene	284	8.032	8.032	0.0	83	276474	77.6	
89 Pentachlorophenol	266	8.192	8.192	0.0	92	232034	91.2	
* 90 Phenanthrene-d10	188	8.294	8.293	0.001	98	596698	40.0	
91 Phenanthrene	178	8.315	8.315	0.0	84	1165539	70.5	
92 Anthracene	178	8.352	8.352	0.0	93	1169927	71.1	
93 Carbazole	167	8.497	8.496	0.001	88	1057606	71.6	
94 Di-n-butyl phthalate	149	8.828	8.828	0.0	98	1122154	72.6	
95 Fluoranthene	202	9.293	9.298	-0.005	97	1226669	69.1	
96 Benzidine	184	9.399	9.399	0.0	94	2418898	406.8	M
97 Pyrene	202	9.474	9.474	0.0	91	1196743	70.2	
$ 98 Terphenyl-d14	244	9.592	9.592	0.0	97	900640	74.1	
99 Butyl benzyl phthalate	149	9.982	9.987	-0.005	95	570404	80.6	
100 3,3'-Dichlorobenzidine	252	10.388	10.393	-0.005	86	1866183	281.2	
101 Benzo[a]anthracene	228	10.404	10.409	-0.005	96	1093636	71.3	
* 103 Chrysene-d12	240	10.414	10.425	-0.011	85	484994	40.0	
102 Bis(2-ethylhexyl) phthalate	149	10.436	10.441	-0.005	92	689549	82.1	
104 Chrysene	228	10.436	10.441	-0.005	75	1094053	74.8	
105 Di-n-octyl phthalate	149	10.890	10.906	-0.016	97	1066262	77.8	
106 Benzo[b]fluoranthene	252	11.221	11.242	-0.021	92	1143682	75.1	
107 Benzo[k]fluoranthene	252	11.237	11.258	-0.021	96	1052752	67.2	M

Compound	Sig	RT	EXP RT	DLT RT	Q	Response	On-Col Amt ug/ml	Flags
108 Benzo[a]pyrene	252	11.456	11.483	-0.027	82	958374	75.5	
* 109 Perylene-d12	264	11.494	11.520	-0.026	96	444520	40.0	
110 Indeno[1,2,3-cd]pyrene	276	12.225	12.263	-0.038	89	1021879	78.1	
111 Dibenz(a,h)anthracene	278	12.225	12.263	-0.038	61	842697	79.0	
24 Benzo[g,h,i]perylene	276	12.402	12.434	-0.032	91	890507	80.9	

QC Flag Legend

Review Flags
M - Manually Integrated

Report Date: 29-Sep-2011 14:00:13 Chrom Revision: 1.2 13-Jul-2011 10:43:06
Data File: \\Valsvr08\ChromData\SMSA\20110929-5628.b\D1608.D
Injection Date: 29-Sep-2011 13:05:30 Limit Group: SMS - 1 - 8270 SVOA Calibration
Client ID: Instrument ID: SMSA
Lims Batch ID: 87354 Lims Sample ID: 9
Operator ID: WDS Injection Vol: 1.00 ul
Y Scaling:



Report Date: 29-Sep-2011 14:00:13 Chrom Revision: 1.2 13-Jul-2011 10:43:06

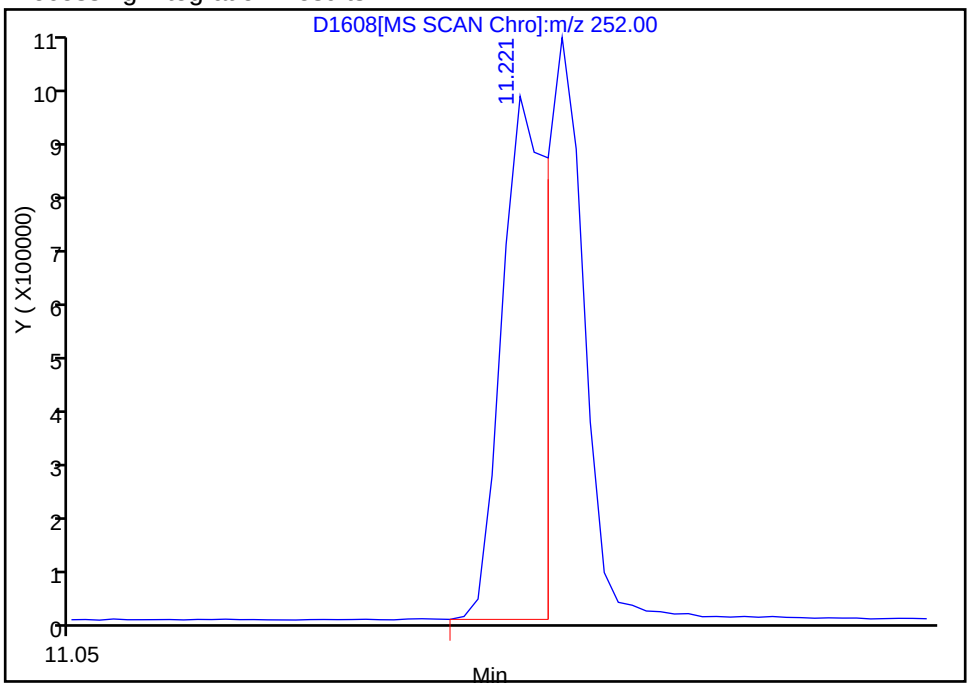
Manual Integration/User Assign Peak Report

Data File:	\\Valsvr08\ChromData\SMSA\20110929-5628.b\D1608.D		
Injection Date:	29-Sep-2011 13:05:30	Limit Group:	SMS - 1 - 8270 SVOA Calibration
Client ID:		Instrument ID:	SMSA
Lims Batch ID:	87354	Lims Sample ID:	9
Operator ID:	WDS	Injection Vol:	1.00 ul

107 Benzo[k]fluoranthene, Signal: 1, m/z: 252.0 Type: quant, RT: 11.26

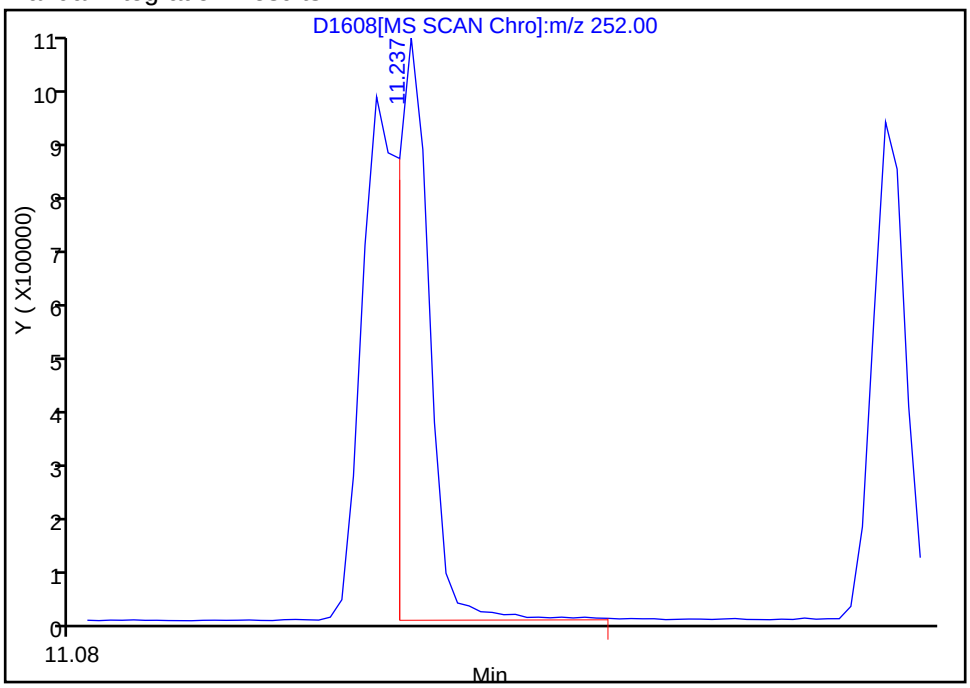
Processing Integration Results

RT: 11.22
Response: 1143682
Amount: 69.742599



Manual Integration Results

RT: 11.24
Response: 1052752
Amount: 67.242400



Reviewer: squiresb, 29-Sep-2011 13:31:27
Audit Action: Manually Integrated
Audit Reason: Assign Peak

Report Date: 29-Sep-2011 14:00:13 Chrom Revision: 1.2 13-Jul-2011 10:43:06

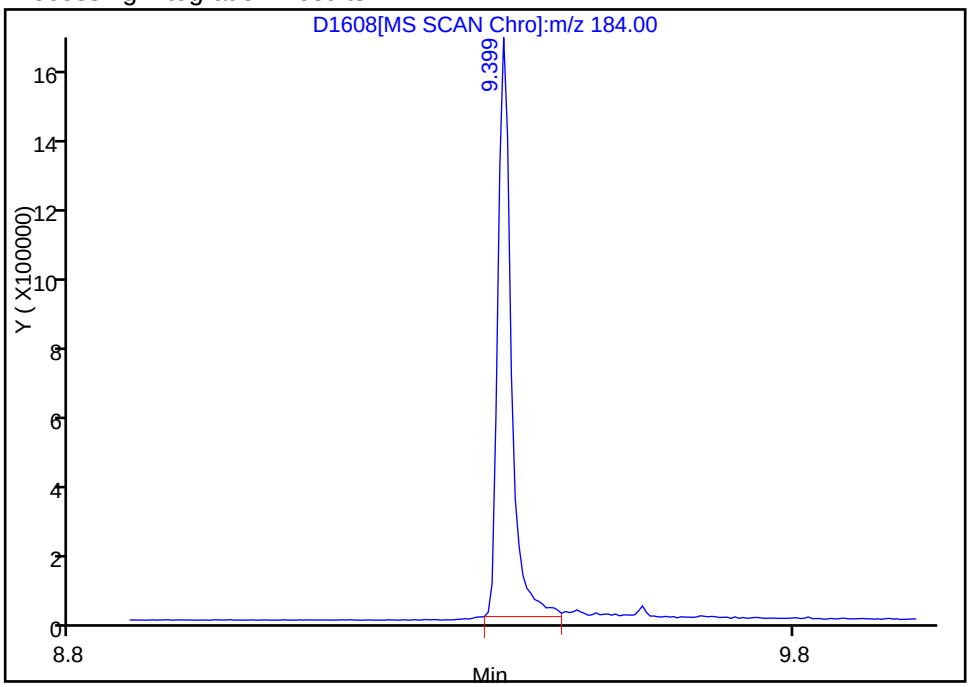
Manual Integration/User Assign Peak Report

Data File:	\\Valsvr08\ChromData\SMSA\20110929-5628.b\D1608.D		
Injection Date:	29-Sep-2011 13:05:30	Limit Group:	SMS - 1 - 8270 SVOA Calibration
Client ID:		Instrument ID:	SMSA
Lims Batch ID:	87354	Lims Sample ID:	9
Operator ID:	WDS	Injection Vol:	1.00 ul

96 Benzidine, Signal: 1, m/z: 184.0 Type: quant, RT: 9.40

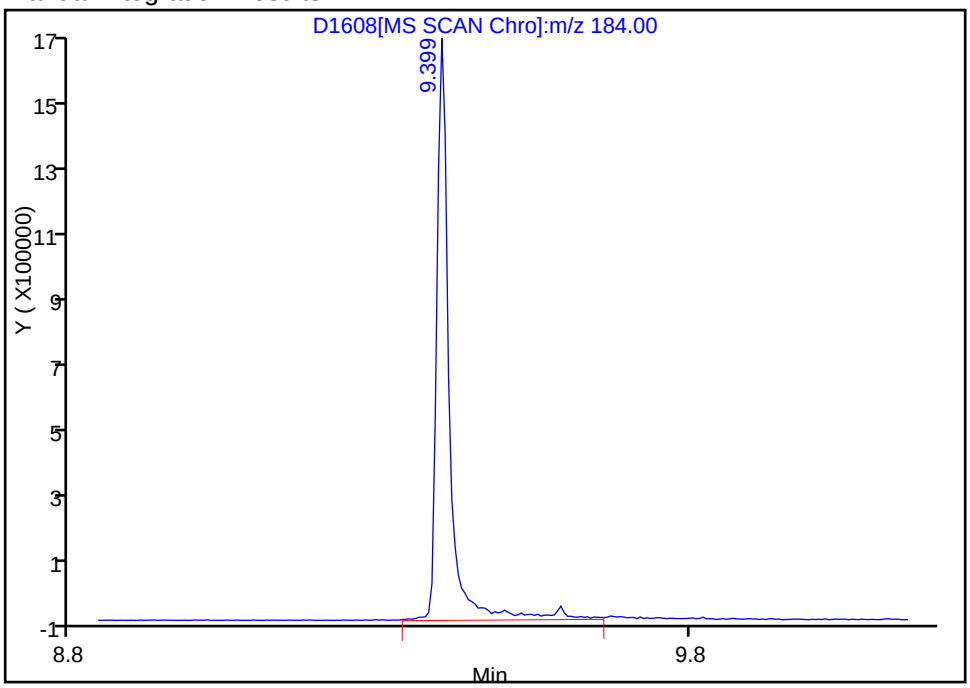
Processing Integration Results

RT: 9.40
Response: 2180066
Amount: 234.4651



Manual Integration Results

RT: 9.40
Response: 2418898
Amount: 406.7918



Reviewer: squiresb, 29-Sep-2011 13:31:27
Audit Action: Manually Integrated
Audit Reason: Baseline

Report Date: 29-Sep-2011 14:00:13 Chrom Revision: 1.2 13-Jul-2011 10:43:06

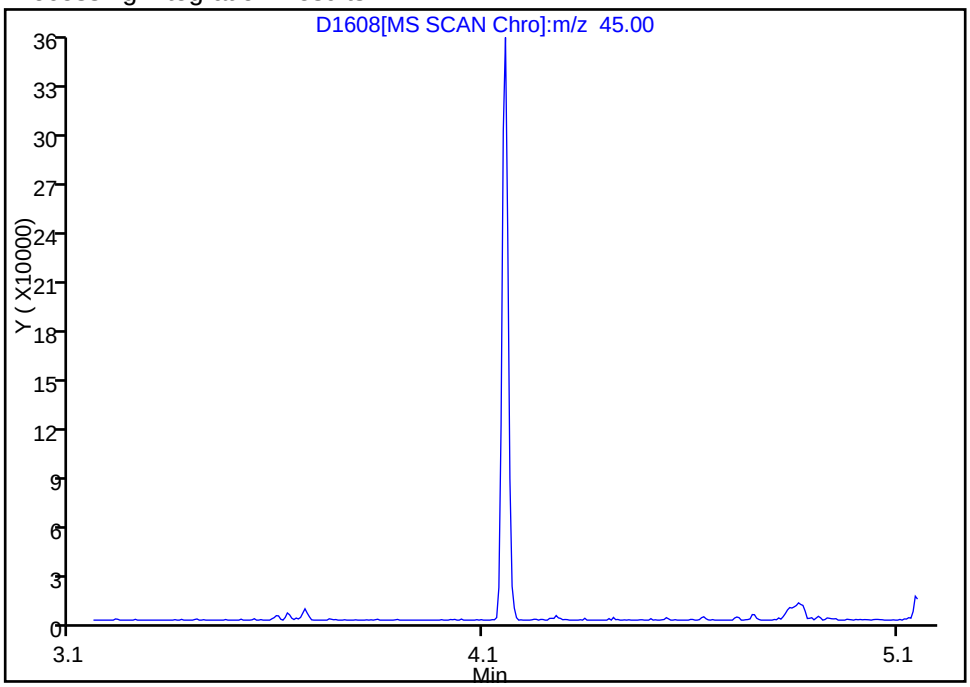
Manual Integration/User Assign Peak Report

Data File:	\\Valsvr08\ChromData\SMSA\20110929-5628.b\D1608.D		
Injection Date:	29-Sep-2011 13:05:30	Limit Group:	SMS - 1 - 8270 SVOA Calibration
Client ID:		Instrument ID:	SMSA
Lims Batch ID:	87354	Lims Sample ID:	9
Operator ID:	WDS	Injection Vol:	1.00 ul

10 2,2'-oxybis(2-chloropropane), Signal: 1, m/z: 45.0 Type: quant, RT: 4.15

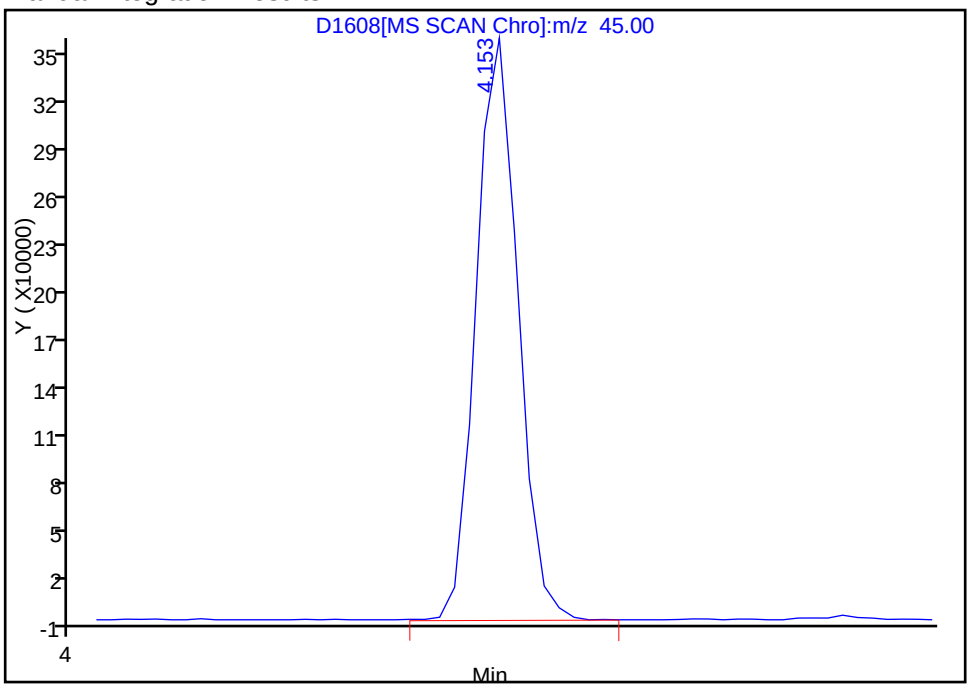
Processing Integration Results

Not Detected
Expected RT: 4.15



Manual Integration Results

RT: 4.15
Response: 366063
Amount: 78.397954



Reviewer: squiresb, 29-Sep-2011 13:31:27
Audit Action: Manually Integrated
Audit Reason: Assign Peak

Report Date: 29-Sep-2011 14:00:13 Chrom Revision: 1.2 13-Jul-2011 10:43:06

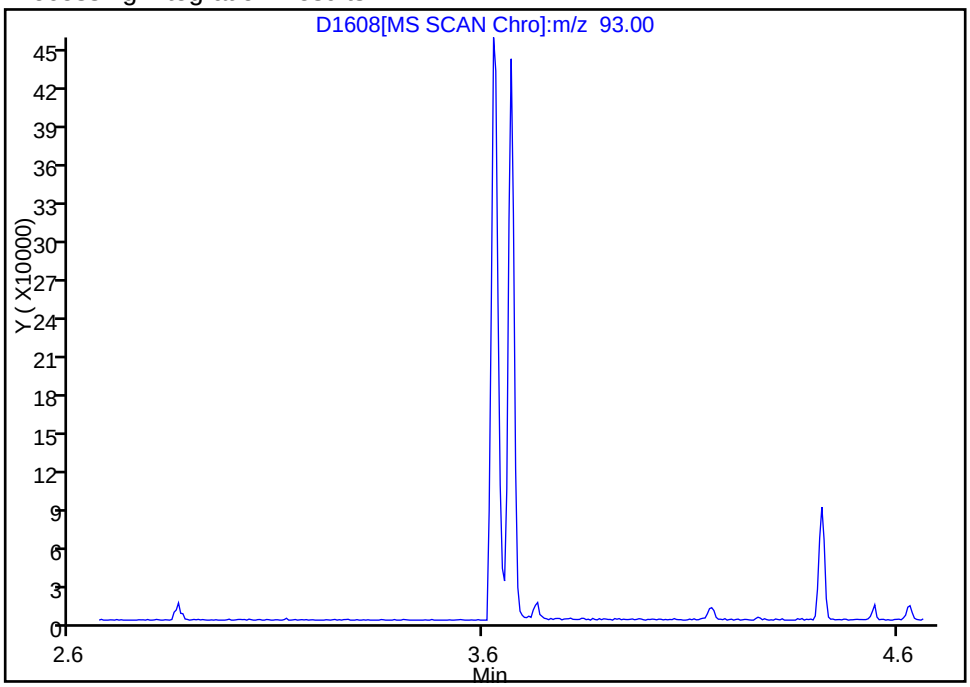
Manual Integration/User Assign Peak Report

Data File:	\\Valsvr08\ChromData\SMSA\20110929-5628.b\D1608.D		
Injection Date:	29-Sep-2011 13:05:30	Limit Group:	SMS - 1 - 8270 SVOA Calibration
Client ID:		Instrument ID:	SMSA
Lims Batch ID:	87354	Lims Sample ID:	9
Operator ID:	WDS	Injection Vol:	1.00 ul

36 Aniline, Signal: 1, m/z: 93.0 Type: quant, RT: 3.67

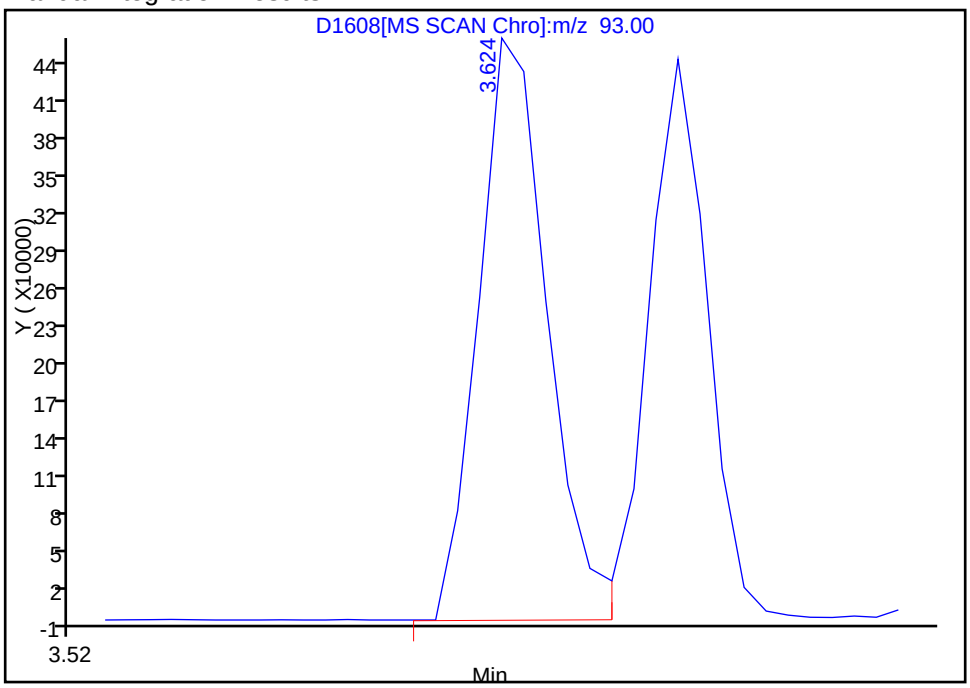
Processing Integration Results

Not Detected
Expected RT: 3.67



Manual Integration Results

RT: 3.62
Response: 532039
Amount: 78.583299



Reviewer: squiresb, 29-Sep-2011 13:31:27
Audit Action: Manually Integrated
Audit Reason: Assign Peak

Report Date: 29-Sep-2011 14:00:24 Chrom Revision: 1.2 13-Jul-2011 10:43:06

TestAmerica Laboratories
Target Compound Quantitation Report

Data File:	\\Valsvr08\ChromData\SMSA\20110929-5628.b\D1609.D		
Lims ID:	sstd100	Client ID:	
Inject. Date:	29-Sep-2011 13:24:30	Dil. Factor:	1.0000
Sample Type:	IC	Calib Level:	9
Sample ID:	SSTD100		
Misc. Info.:	510-0005628-010 =510-0005628-010		
Operator:	WDS	Instrument ID:	SMSA
Vol. Injected:	1.0000	ALS Bottle#:	10
Lims Batch ID:	87354	Lims Sample ID:	10
Sublist:	chrom-8270C_SMSA*sub30		
Detector:	MS SCAN		
Method:	\\Valsvr08\ChromData\SMSA\20110929-5628.b\8270C_SMSA.m		
Last Update:	29-Sep-2011 14:00:23	Calib Date:	29-Sep-2011 13:43:30
Quant Method:	Internal Standard	Quant By:	Initial Calibration
Last ICal File:	\\Valsvr08\ChromData\SMSA\20110929-5628.b\D1610.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:	29-Sep-2011 13:52:56

Compound	Sig	RT	EXP RT	DLT RT	Q	Response	On-Col Amt ug/ml	Flags
9 1,4-Dioxane	88	1.803	1.797	0.006	89	391111	90.8	
30 N-Nitrosodimethylamine	74	1.990	1.979	0.011	92	489933	102.6	
31 Pyridine	79	2.006	2.000	0.006	92	841121	97.0	
$ 32 2-Fluorophenol	112	2.866	2.860	0.006	91	676501	97.2	
$ 34 Phenol-d5	99	3.603	3.598	0.005	0	752144	96.0	
35 Phenol	94	3.614	3.603	0.011	89	805240	93.4	
36 Aniline	93	3.630	3.667	-0.037	0	706409	89.6	M
37 Bis(2-chloroethyl)ether	93	3.672	3.667	0.005	94	615953	95.3	
38 2-Chlorophenol	128	3.731	3.726	0.005	94	624690	93.1	
39 1,3-Dichlorobenzene	146	3.849	3.849	0.0	90	763336	93.3	
* 40 1,4-Dichlorobenzene-d4	152	3.881	3.881	0.0	57	220513	40.0	
41 1,4-Dichlorobenzene	146	3.897	3.891	0.006	87	732980	91.1	
42 Benzyl alcohol	108	4.020	4.014	0.006	78	381286	103.4	
43 1,2-Dichlorobenzene	146	4.062	4.062	0.0	87	699171	92.5	
44 2-Methylphenol	108	4.137	4.132	0.005	94	564939	97.3	
10 2,2'-oxybis(2-chloropropane)	45	4.153	4.153	0.0	0	529820	97.5	M
45 Acetophenone	105	4.265	4.260	0.005	88	761530	91.4	
47 3 & 4 Methylphenol	108	4.271	4.265	0.006	0	583820	97.4	
46 N-Nitrosodi-n-propylamine	70	4.281	4.276	0.005	95	460344	94.0	
48 Hexachloroethane	117	4.340	4.340	0.0	85	327123	95.9	
$ 49 Nitrobenzene-d5	82	4.404	4.404	0.0	89	767344	92.3	
50 Nitrobenzene	77	4.426	4.420	0.006	86	685732	93.1	
51 Isophorone	82	4.634	4.629	0.005	93	1039897	90.3	
52 2-Nitrophenol	139	4.719	4.720	-0.001	95	366494	101.0	
53 2,4-Dimethylphenol	107	4.757	4.757	0.0	69	655164	90.8	
S 3 Methyl Phenols,Total	100				0		194.7	
54 Bis(2-chloroethoxy)methane	93	4.842	4.842	0.0	96	649806	94.7	
5 Benzoic acid	105	4.885	4.853	0.032	89	509240	98.5	
55 2,4-Dichlorophenol	162	4.944	4.939	0.005	93	534428	98.5	
56 1,2,4-Trichlorobenzene	180	5.024	5.019	0.005	92	587490	91.5	

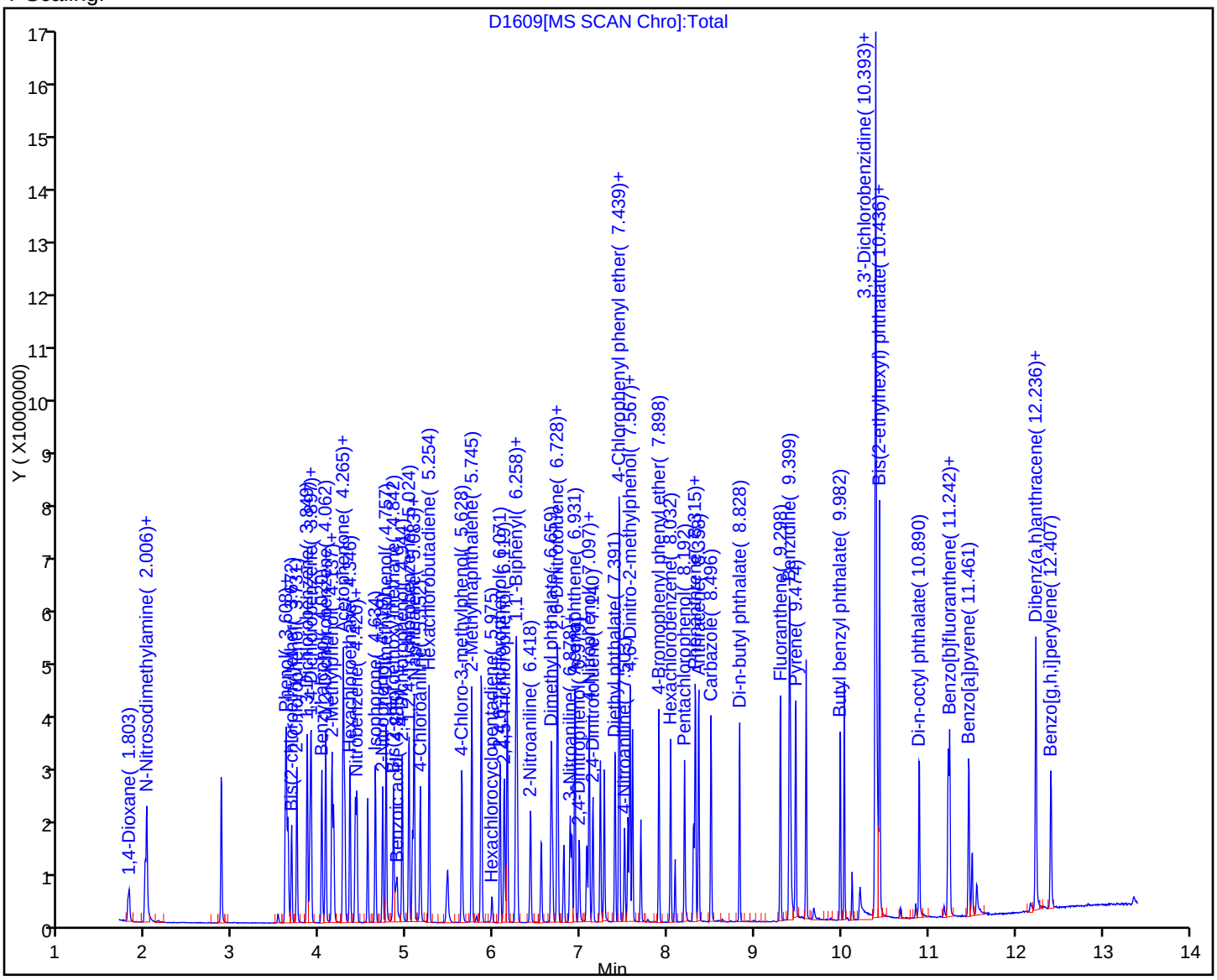
Compound	Sig	RT	EXP RT	DLT RT	Q	Response	On-Col Amt ug/ml	Flags
* 57 Naphthalene-d8	136	5.061	5.061	0.0	90	661331	40.0	
58 Naphthalene	128	5.083	5.077	0.006	93	1499256	81.1	
59 4-Chloroaniline	127	5.152	5.152	0.0	79	574881	88.1	
60 Hexachlorobutadiene	225	5.254	5.254	0.0	95	450813	90.9	
61 4-Chloro-3-methylphenol	107	5.628	5.628	0.0	98	588051	96.6	
62 2-Methylnaphthalene	141	5.745	5.745	0.0	81	936906	90.4	
63 Hexachlorocyclopentadiene	237	5.975	5.980	-0.005	85	75286	29.9	
64 2,4,6-Trichlorophenol	196	6.071	6.071	0.0	91	429368	100.6	
65 2,4,5-Trichlorophenol	196	6.119	6.114	0.005	92	438317	97.5	
$ 66 2-Fluorobiphenyl	172	6.151	6.151	0.0	79	1238613	85.9	
116 1,1'-Biphenyl	154	6.253	6.253	0.0	0	1213403	89.2	
67 2-Chloronaphthalene	162	6.263	6.263	0.0	96	1043032	90.1	
68 2-Nitroaniline	65	6.418	6.418	0.0	77	378132	99.2	
69 Dimethyl phthalate	163	6.659	6.653	0.006	93	1073619	86.7	
70 2,6-Dinitrotoluene	165	6.728	6.723	0.005	70	322990	98.0	
71 Acenaphthylene	152	6.734	6.734	0.0	89	1387864	84.7	
72 3-Nitroaniline	138	6.878	6.872	0.006	89	299479	100.0	
* 73 Acenaphthene-d10	164	6.894	6.894	0.0	91	392078	40.0	
74 Acenaphthene	153	6.931	6.926	0.005	90	976146	90.4	
75 2,4-Dinitrophenol	184	6.985	6.979	0.006	83	217636	122.0	
78 4-Nitrophenol	109	7.070	7.065	0.005	91	239739	97.9	
77 Dibenzofuran	168	7.097	7.091	0.006	83	1267644	83.6	
76 2,4-Dinitrotoluene	165	7.140	7.134	0.006	74	393965	96.5	
79 Diethyl phthalate	149	7.391	7.391	0.0	95	1038154	87.9	
80 Fluorene	166	7.439	7.439	0.0	78	1132891	86.0	
81 4-Chlorophenyl phenyl ether	204	7.444	7.439	0.005	76	620657	89.3	
82 4-Nitroaniline	138	7.503	7.497	0.006	72	268480	97.5	
83 4,6-Dinitro-2-methylphenol	198	7.546	7.535	0.011	39	270926	105.0	
84 N-Nitrosodiphenylamine	169	7.567	7.562	0.005	91	932089	88.0	
85 1,2-Diphenylhydrazine	77	7.594	7.594	0.0	97	1082490	87.5	
$ 86 2,4,6-Tribromophenol	141	7.690	7.690	0.0	78	88436	103.4	
87 4-Bromophenyl phenyl ether	248	7.898	7.898	0.0	64	380550	99.6	
88 Hexachlorobenzene	284	8.032	8.032	0.0	81	347919	96.5	
89 Pentachlorophenol	266	8.192	8.192	0.0	91	279372	108.6	
* 90 Phenanthrene-d10	188	8.293	8.293	0.0	97	603245	40.0	
91 Phenanthrene	178	8.315	8.315	0.0	85	1366334	81.7	
92 Anthracene	178	8.358	8.352	0.006	92	1347134	81.0	
93 Carbazole	167	8.496	8.496	0.0	87	1227347	82.1	
94 Di-n-butyl phthalate	149	8.828	8.828	0.0	97	1315851	84.2	
95 Fluoranthene	202	9.298	9.298	0.0	95	1413330	78.7	
96 Benzidine	184	9.399	9.399	0.0	95	2624950	499.3	
97 Pyrene	202	9.474	9.474	0.0	90	1345398	84.8	
$ 98 Terphenyl-d14	244	9.592	9.592	0.0	96	1015002	89.6	
99 Butyl benzyl phthalate	149	9.987	9.987	0.0	97	647096	98.2	
100 3,3'-Dichlorobenzidine	252	10.393	10.393	0.0	83	2165647	705.5	
101 Benzo[a]anthracene	228	10.404	10.409	-0.005	96	1234344	86.4	
* 103 Chrysene-d12	240	10.420	10.425	-0.005	78	451724	40.0	
102 Bis(2-ethylhexyl) phthalate	149	10.436	10.441	-0.005	94	760591	97.2	
104 Chrysene	228	10.441	10.441	0.0	84	1174460	86.2	
105 Di-n-octyl phthalate	149	10.895	10.906	-0.011	97	1124139	93.0	
106 Benzo[b]fluoranthene	252	11.226	11.242	-0.016	92	1272063	94.7	
107 Benzo[k]fluoranthene	252	11.242	11.258	-0.016	96	1135998	82.3	M

Compound	Sig	RT	EXP RT	DLT RT	Q	Response	On-Col Amt ug/ml	Flags
108 Benzo[a]pyrene	252	11.461	11.483	-0.022	82	1064887	95.2	
* 109 Perylene-d12	264	11.504	11.520	-0.016	95	391882	40.0	
110 Indeno[1,2,3-cd]pyrene	276	12.236	12.263	-0.027	89	1178262	102.1	
111 Dibenz(a,h)anthracene	278	12.236	12.263	-0.027	71	957250	101.8	
24 Benzo[g,h,i]perylene	276	12.407	12.434	-0.027	91	1006210	103.7	

QC Flag Legend

Review Flags
M - Manually Integrated

Report Date: 29-Sep-2011 14:00:24 Chrom Revision: 1.2 13-Jul-2011 10:43:06
Data File: \\Valsvr08\ChromData\SMSA\20110929-5628.b\D1609.D
Injection Date: 29-Sep-2011 13:24:30 Limit Group: SMS - 1 - 8270 SVOA Calibration
Client ID: Instrument ID: SMSA
Lims Batch ID: 87354 Lims Sample ID: 10
Operator ID: WDS Injection Vol: 1.00 ul
Y Scaling:



Report Date: 29-Sep-2011 14:00:24 Chrom Revision: 1.2 13-Jul-2011 10:43:06

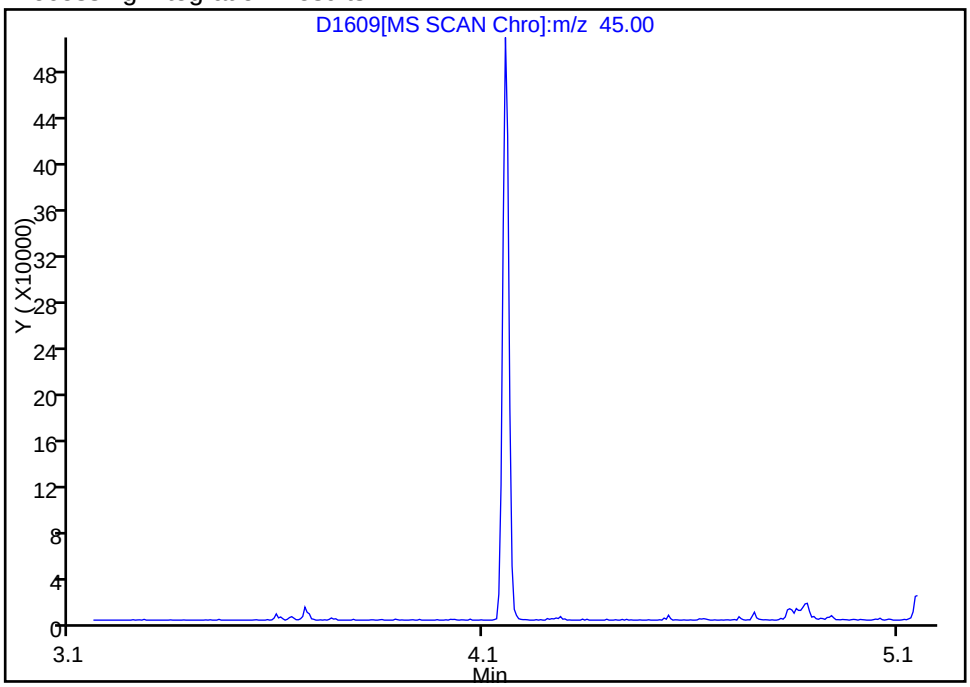
Manual Integration/User Assign Peak Report

Data File:	\\Valsvr08\ChromData\SMSA\20110929-5628.b\D1609.D		
Injection Date:	29-Sep-2011 13:24:30	Limit Group:	SMS - 1 - 8270 SVOA Calibration
Client ID:		Instrument ID:	SMSA
Lims Batch ID:	87354	Lims Sample ID:	10
Operator ID:	WDS	Injection Vol:	1.00 ul

10 2,2'-oxybis(2-chloropropane), Signal: 1, m/z: 45.0 Type: quant, RT: 4.15

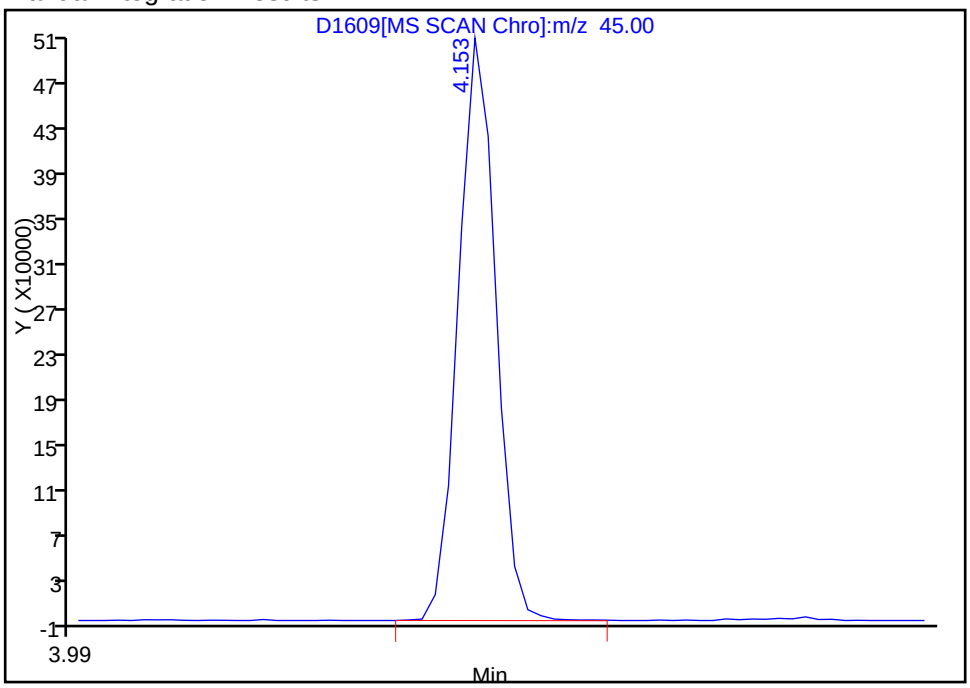
Processing Integration Results

Not Detected
Expected RT: 4.15



Manual Integration Results

RT: 4.15
Response: 529820
Amount: 97.468502



Reviewer: squiresb, 29-Sep-2011 13:52:56
Audit Action: Manually Integrated
Audit Reason: Assign Peak

Report Date: 29-Sep-2011 14:00:24 Chrom Revision: 1.2 13-Jul-2011 10:43:06

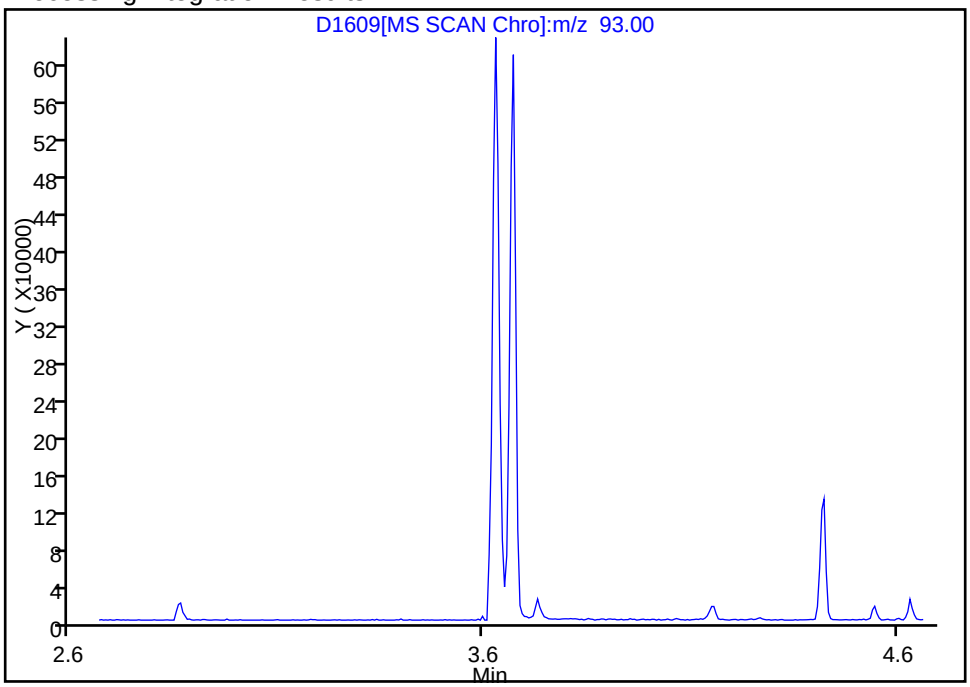
Manual Integration/User Assign Peak Report

Data File:	\\Valsvr08\ChromData\SMSA\20110929-5628.b\D1609.D		
Injection Date:	29-Sep-2011 13:24:30	Limit Group:	SMS - 1 - 8270 SVOA Calibration
Client ID:		Instrument ID:	SMSA
Lims Batch ID:	87354	Lims Sample ID:	10
Operator ID:	WDS	Injection Vol:	1.00 ul

36 Aniline, Signal: 1, m/z: 93.0 Type: quant, RT: 3.67

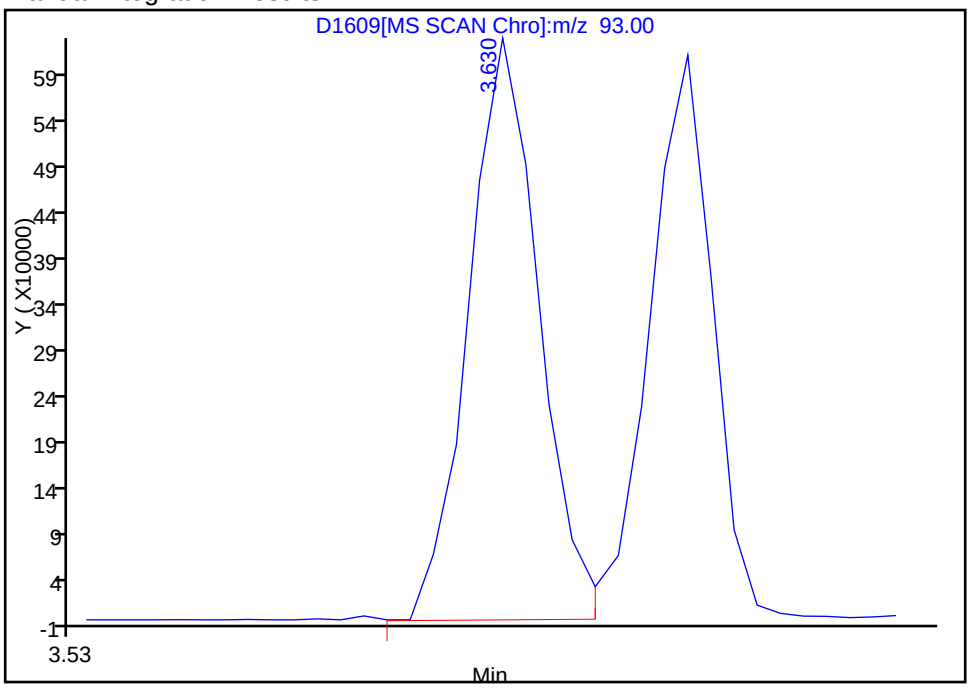
Not Detected
Expected RT: 3.67

Processing Integration Results



Manual Integration Results

RT: 3.63
Response: 706409
Amount: 89.625184



Reviewer: squiresb, 29-Sep-2011 13:52:56
Audit Action: Manually Integrated
Audit Reason: Assign Peak

Report Date: 29-Sep-2011 14:00:24 Chrom Revision: 1.2 13-Jul-2011 10:43:06

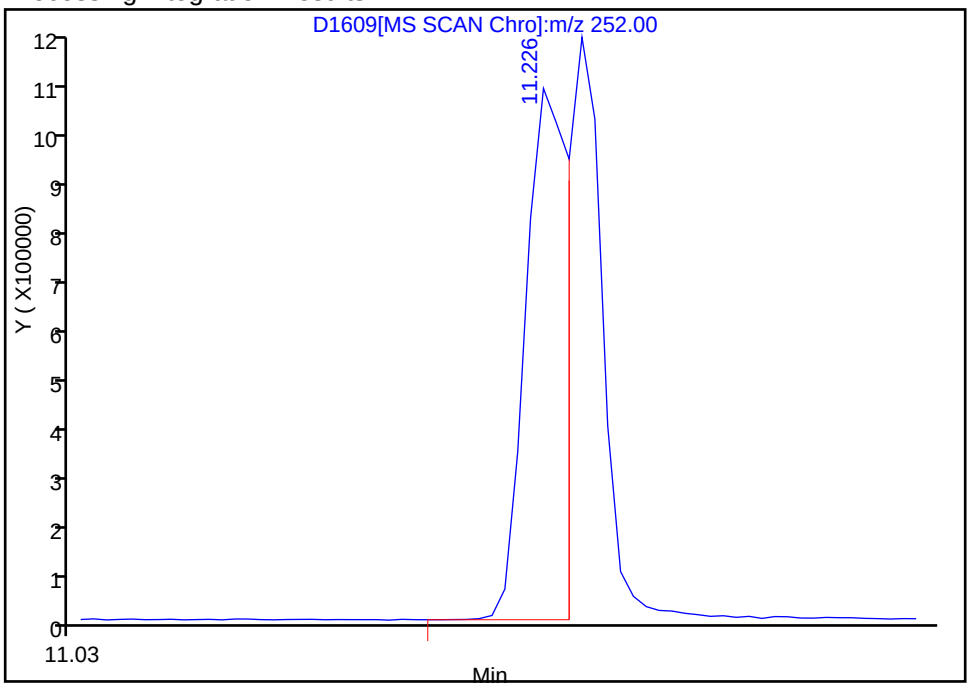
Manual Integration/User Assign Peak Report

Data File:	\\Valsvr08\ChromData\SMSA\20110929-5628.b\D1609.D		
Injection Date:	29-Sep-2011 13:24:30	Limit Group:	SMS - 1 - 8270 SVOA Calibration
Client ID:		Instrument ID:	SMSA
Lims Batch ID:	87354	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: 11.26

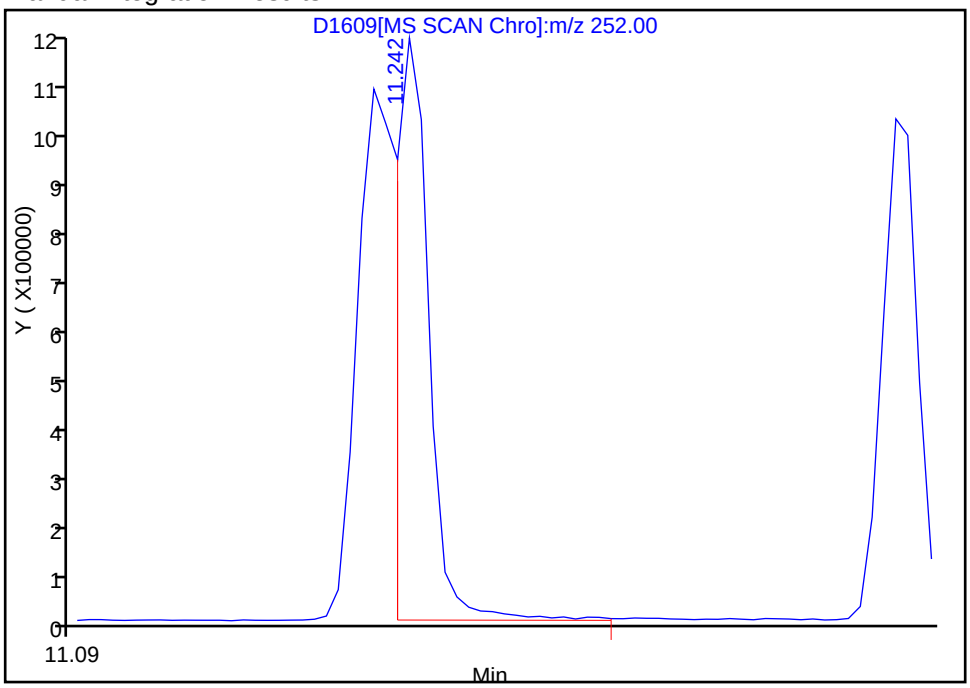
Processing Integration Results

RT: 11.23
Response: 1272063
Amount: 89.882401



Manual Integration Results

RT: 11.24
Response: 1135998
Amount: 82.305846



Reviewer: squiresb, 29-Sep-2011 13:52:56
Audit Action: Manually Integrated
Audit Reason: Assign Peak

TestAmerica Laboratories
Target Compound Quantitation Report

Data File: \\Valsvr08\ChromData\SMSA\20110929-5628.b\D1610.D
Lims ID: sstd120 Client ID:
Inject. Date: 29-Sep-2011 13:43:30 Dil. Factor: 1.0000
Sample Type: IC Calib Level: 10
Sample ID: SSTD120
Misc. Info.: 510-0005628-011 =510-0005628-011
Operator: WDS Instrument ID: SMSA
Vol. Injected: 1.0000 ALS Bottle#: 11
Lims Batch ID: 87354 Lims Sample ID: 11
Sublist: chrom-8270C_SMSA*sub30
Detector: MS SCAN

Method: \\Valsvr08\ChromData\SMSA\20110929-5628.b\8270C_SMSA.m
Last Update: 30-Sep-2011 10:04:53 Calib Date: 29-Sep-2011 13:43:30
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\Valsvr08\ChromData\SMSA\20110929-5628.b\D1610.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: 29-Sep-2011 15:01:20

Compound	Sig	RT	EXP RT	DLT RT	Q	Response	On-Col Amt ug/ml	Flags
9 1,4-Dioxane	88	1.797	1.797	0.0	87	388885	111.0	
30 N-Nitrosodimethylamine	74	1.984	1.984	0.0	89	443790	114.3	
31 Pyridine	79	2.006	2.006	0.0	93	797301	113.0	
$ 32 2-Fluorophenol	112	2.866	2.866	0.0	91	604196	106.8	
$ 34 Phenol-d5	99	3.603	3.603	0.0	0	691738	108.6	
35 Phenol	94	3.614	3.614	0.0	90	742849	106.0	
36 Aniline	93	3.630	3.630	0.0	0	629927	106.1	M
37 Bis(2-chloroethyl)ether	93	3.672	3.672	0.0	91	613464	116.7	
38 2-Chlorophenol	128	3.731	3.731	0.0	93	566188	103.8	
39 1,3-Dichlorobenzene	146	3.849	3.849	0.0	89	742179	99.8	
* 40 1,4-Dichlorobenzene-d4	152	3.881	3.881	0.0	65	179305	40.0	
41 1,4-Dichlorobenzene	146	3.897	3.897	0.0	87	707664	108.1	
42 Benzyl alcohol	108	4.020	4.020	0.0	81	369306	123.2	
43 1,2-Dichlorobenzene	146	4.062	4.062	0.0	87	653979	106.3	
44 2-Methylphenol	108	4.137	4.137	0.0	95	522024	110.6	
10 2,2'-oxybis(2-chloropropane)	45	4.153	4.153	0.0	0	502314	114.3	M
45 Acetophenone	105	4.265	4.265	0.0	88	727420	107.4	
47 3 & 4 Methylphenol	108	4.271	4.271	0.0	0	557535	114.4	
46 N-Nitrosodi-n-propylamine	70	4.281	4.281	0.0	96	434789	109.2	
48 Hexachloroethane	117	4.340	4.340	0.0	88	319171	115.1	
$ 49 Nitrobenzene-d5	82	4.404	4.404	0.0	88	731744	105.7	
50 Nitrobenzene	77	4.420	4.420	0.0	88	644925	105.2	
51 Isophorone	82	4.634	4.634	0.0	93	1022162	106.6	
52 2-Nitrophenol	139	4.720	4.720	0.0	97	358190	118.6	
53 2,4-Dimethylphenol	107	4.757	4.757	0.0	74	646406	107.6	
S 3 Methyl Phenols,Total	100				0		224.9	
54 Bis(2-chloroethoxy)methane	93	4.842	4.842	0.0	98	646310	115.9	
5 Benzoic acid	105	4.885	4.885	0.0	93	528895	122.1	
55 2,4-Dichlorophenol	162	4.944	4.944	0.0	92	510178	103.5	
56 1,2,4-Trichlorobenzene	180	5.024	5.024	0.0	91	569312	106.5	

Compound	Sig	RT	EXP RT	DLT RT	Q	Response	On-Col Amt ug/ml	Flags
* 57 Naphthalene-d8	136	5.061	5.061	0.0	88	550834	40.0	
58 Naphthalene	128	5.083	5.083	0.0	94	1453068	94.3	
59 4-Chloroaniline	127	5.152	5.152	0.0	79	550191	101.3	
60 Hexachlorobutadiene	225	5.254	5.254	0.0	93	424867	102.8	
61 4-Chloro-3-methylphenol	107	5.633	5.633	0.0	95	613327	120.9	
62 2-Methylnaphthalene	141	5.745	5.745	0.0	78	924378	107.1	
63 Hexachlorocyclopentadiene	237	5.980	5.980	0.0	84	63600	20.0	
64 2,4,6-Trichlorophenol	196	6.071	6.071	0.0	92	435856	112.4	
65 2,4,5-Trichlorophenol	196	6.119	6.119	0.0	90	471792	115.5	
$ 66 2-Fluorobiphenyl	172	6.151	6.151	0.0	84	1250005	95.4	
116 1,1'-Biphenyl	154	6.253	6.253	0.0	0	1223836	98.9	
67 2-Chloronaphthalene	162	6.269	6.269	0.0	98	1055338	100.3	
68 2-Nitroaniline	65	6.424	6.424	0.0	76	425101	122.8	
69 Dimethyl phthalate	163	6.659	6.659	0.0	93	1198252	106.5	
70 2,6-Dinitrotoluene	165	6.728	6.728	0.0	71	371715	124.1	
71 Acenaphthylene	152	6.734	6.734	0.0	92	1450695	97.4	
72 3-Nitroaniline	138	6.878	6.878	0.0	90	341538	125.5	
* 73 Acenaphthene-d10	164	6.899	6.899	0.0	92	356318	40.0	
74 Acenaphthene	153	6.931	6.931	0.0	91	1021048	104.0	
75 2,4-Dinitrophenol	184	6.985	6.985	0.0	83	260636	145.2	
78 4-Nitrophenol	109	7.070	7.070	0.0	88	297228	133.6	
77 Dibenzofuran	168	7.097	7.097	0.0	80	1354537	98.3	
76 2,4-Dinitrotoluene	165	7.140	7.140	0.0	81	466476	125.7	
79 Diethyl phthalate	149	7.396	7.396	0.0	95	1153167	107.5	
80 Fluorene	166	7.444	7.444	0.0	77	1235542	103.3	
81 4-Chlorophenyl phenyl ether	204	7.444	7.444	0.0	77	692155	109.6	
82 4-Nitroaniline	138	7.508	7.508	0.0	71	318800	127.4	
83 4,6-Dinitro-2-methylphenol	198	7.546	7.546	0.0	75	341666	134.1	
84 N-Nitrosodiphenylamine	169	7.567	7.567	0.0	91	1034550	99.0	
85 1,2-Diphenylhydrazine	77	7.594	7.594	0.0	89	1194609	97.8	
$ 86 2,4,6-Tribromophenol	141	7.690	7.690	0.0	79	95615	123.0	
87 4-Bromophenyl phenyl ether	248	7.898	7.898	0.0	65	419431	111.2	
88 Hexachlorobenzene	284	8.032	8.032	0.0	82	393134	110.5	
89 Pentachlorophenol	266	8.197	8.197	0.0	91	336308	132.5	
* 90 Phenanthrene-d10	188	8.299	8.299	0.0	98	595400	40.0	
91 Phenanthrene	178	8.320	8.320	0.0	84	1508446	91.4	
92 Anthracene	178	8.358	8.358	0.0	91	1521625	92.7	
93 Carbazole	167	8.502	8.502	0.0	86	1432582	97.1	
94 Di-n-butyl phthalate	149	8.828	8.828	0.0	96	1464956	95.0	
95 Fluoranthene	202	9.298	9.298	0.0	94	1611423	90.9	
96 Benzidine	184	9.399	9.399	0.0	95	2978926	508.7	M
97 Pyrene	202	9.474	9.474	0.0	90	1550381	100.3	
$ 98 Terphenyl-d14	244	9.592	9.592	0.0	95	1187783	107.6	
99 Butyl benzyl phthalate	149	9.982	9.982	0.0	96	737150	114.8	
100 3,3'-Dichlorobenzidine	252	10.382	10.382	0.0	84	2242170	571.8	M
101 Benzo[a]anthracene	228	10.398	10.398	0.0	95	1372066	98.6	
* 103 Chrysene-d12	240	10.409	10.409	0.0	80	440253	40.0	
102 Bis(2-ethylhexyl) phthalate	149	10.425	10.425	0.0	91	872692	114.5	
104 Chrysene	228	10.430	10.430	0.0	76	1337083	100.7	
105 Di-n-octyl phthalate	149	10.874	10.874	0.0	95	1228323	106.1	
106 Benzo[b]fluoranthene	252	11.205	11.205	0.0	93	1381417	107.3	
107 Benzo[k]fluoranthene	252	11.205	11.205	0.0	96	1381417	104.4	

Compound	Sig	RT	EXP RT	DLT RT	Q	Response	On-Col Amt ug/ml	Flags
108 Benzo[a]pyrene	252	11.435	11.435	0.0	75	1108948	103.4	
* 109 Perylene-d12	264	11.472	11.472	0.0	96	375643	40.0	
110 Indeno[1,2,3-cd]pyrene	276	12.188	12.188	0.0	88	1259320	113.9	
111 Dibenz(a,h)anthracene	278	12.188	12.188	0.0	67	985591	109.4	
24 Benzo[g,h,i]perylene	276	12.364	12.364	0.0	90	1050812	113.0	

QC Flag Legend

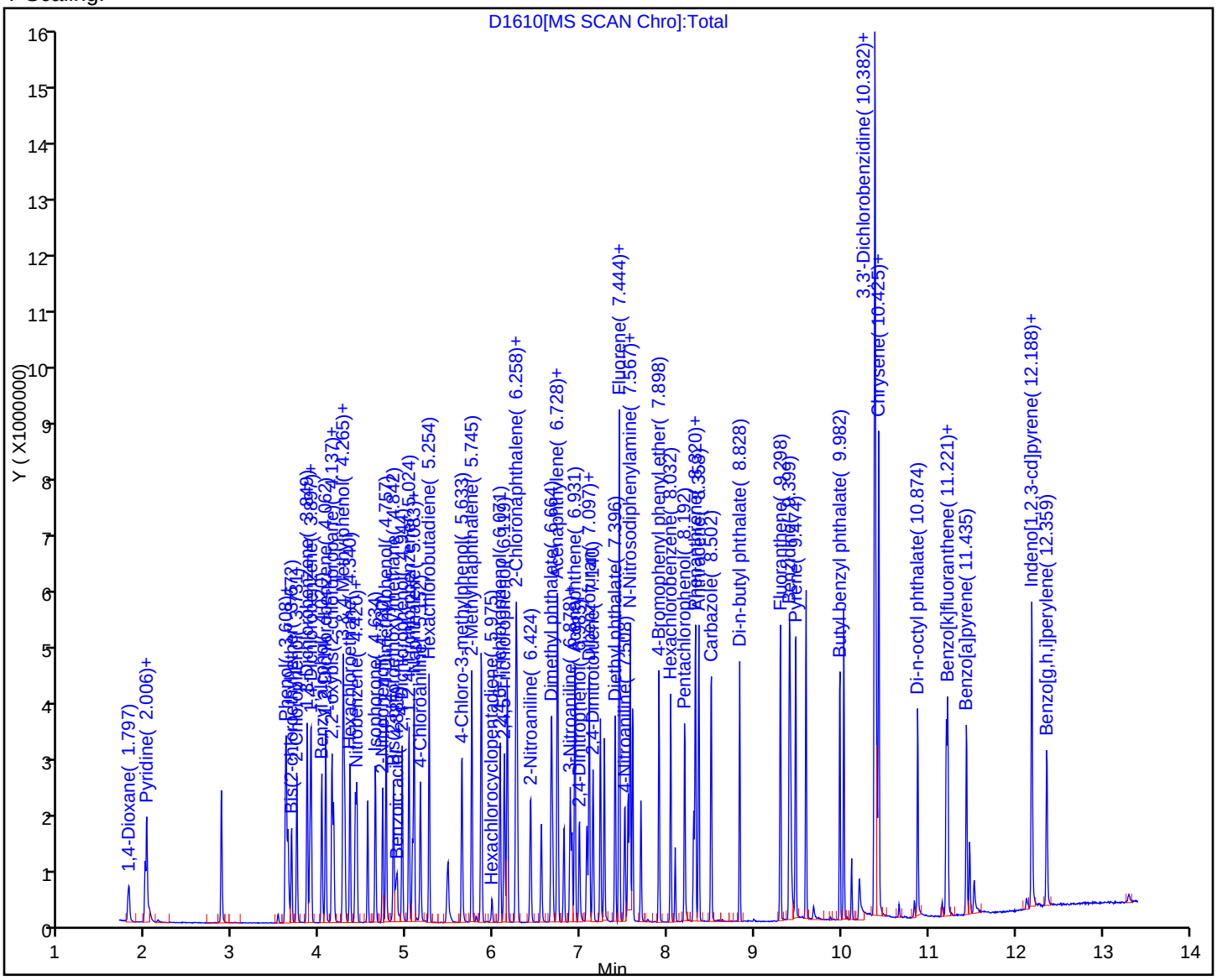
Review Flags
M - Manually Integrated

Report Date: 30-Sep-2011 10:04:55 Chrom Revision: 1.2 13-Jul-2011 10:43:06

Data File: \\Valsvr08\ChromData\SMSA\20110929-5628.b\D1610.D

Injection Date:	29-Sep-2011 13:43:30	Limit Group:	SMS - 1 - 8270 SVOA Calibration
Client ID:		Instrument ID:	SMSA
Lims Batch ID:	87354	Lims Sample ID:	11
Operator ID:	WDS	Injection Vol:	1.00 ul

Y Scaling:



Report Date: 30-Sep-2011 10:04:55 Chrom Revision: 1.2 13-Jul-2011 10:43:06

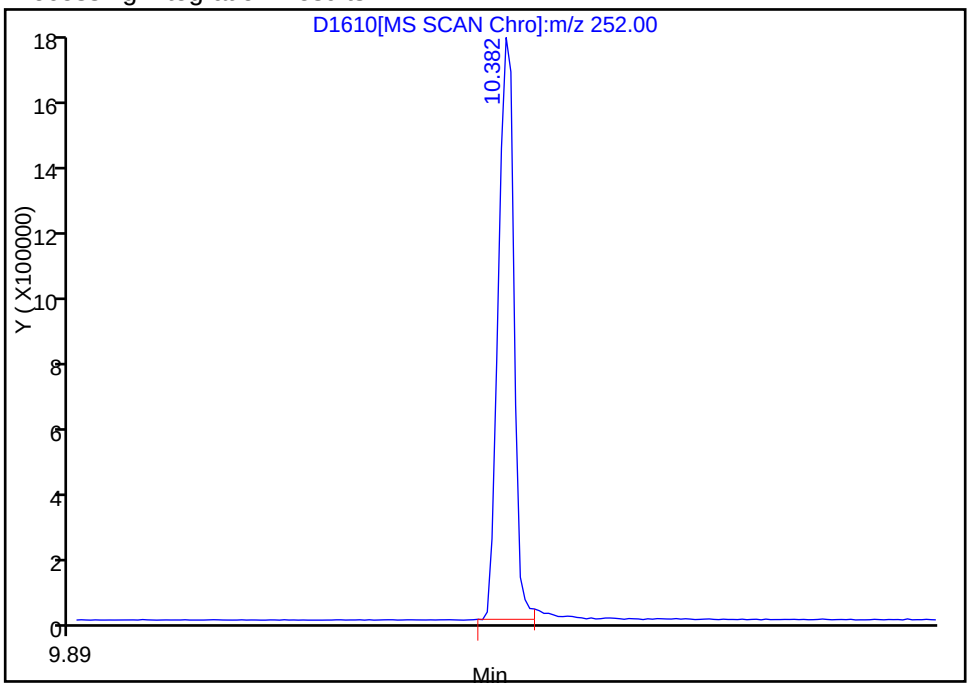
Manual Integration/User Assign Peak Report

Data File:	\\Valsvr08\ChromData\SMSA\20110929-5628.b\D1610.D		
Injection Date:	29-Sep-2011 13:43:30	Limit Group:	SMS - 1 - 8270 SVOA Calibration
Client ID:		Instrument ID:	SMSA
Lims Batch ID:	87354	Lims Sample ID:	11
Operator ID:	WDS	Injection Vol:	1.00 ul

100 3,3'-Dichlorobenzidine, Signal: 1, m/z: 252.0 Type: quant, RT: 10.38

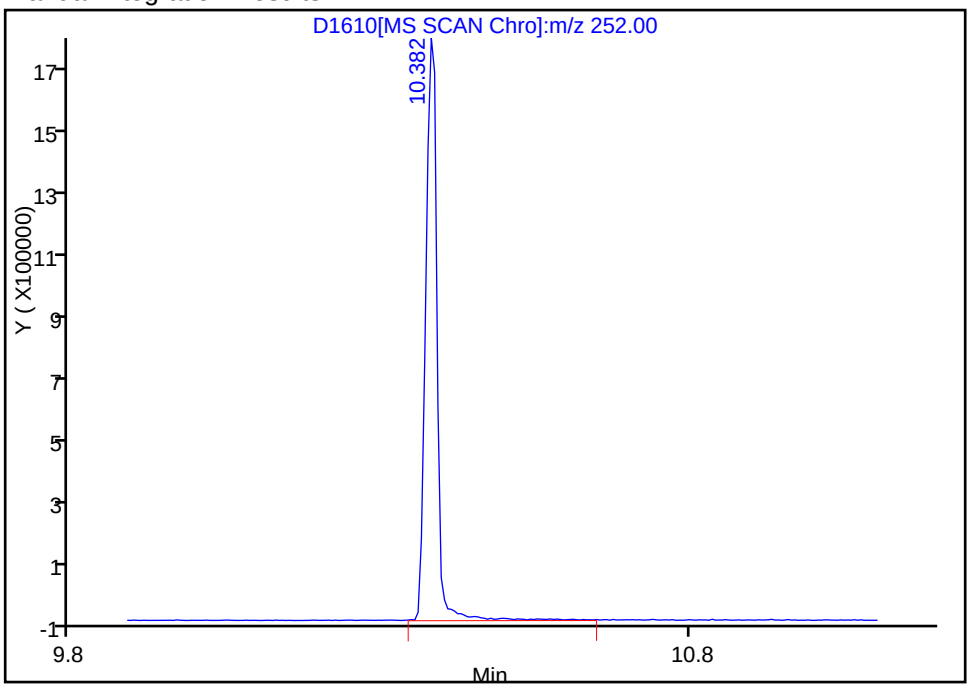
Processing Integration Results

RT: 10.38
Response: 2139799
Amount: 725.7075



Manual Integration Results

RT: 10.38
Response: 2242170
Amount: 571.7927



Reviewer: squiresb, 29-Sep-2011 15:01:20
Audit Action: Manually Integrated
Audit Reason: Baseline

Report Date: 30-Sep-2011 10:04:55 Chrom Revision: 1.2 13-Jul-2011 10:43:06

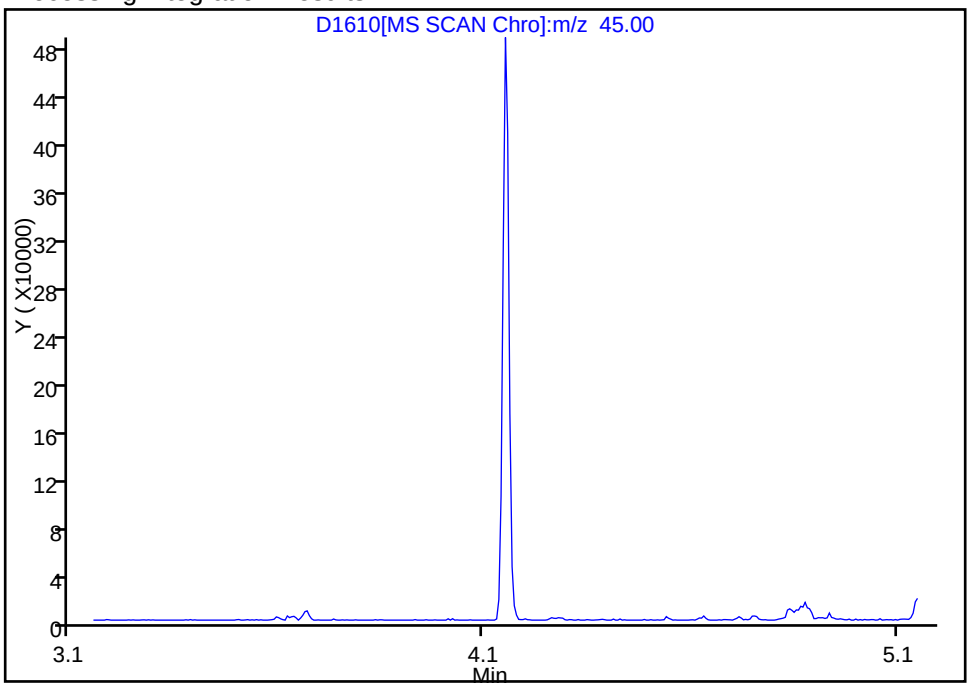
Manual Integration/User Assign Peak Report

Data File:	\\Valsvr08\ChromData\SMSA\20110929-5628.b\D1610.D		
Injection Date:	29-Sep-2011 13:43:30	Limit Group:	SMS - 1 - 8270 SVOA Calibration
Client ID:		Instrument ID:	SMSA
Lims Batch ID:	87354	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: 4.15

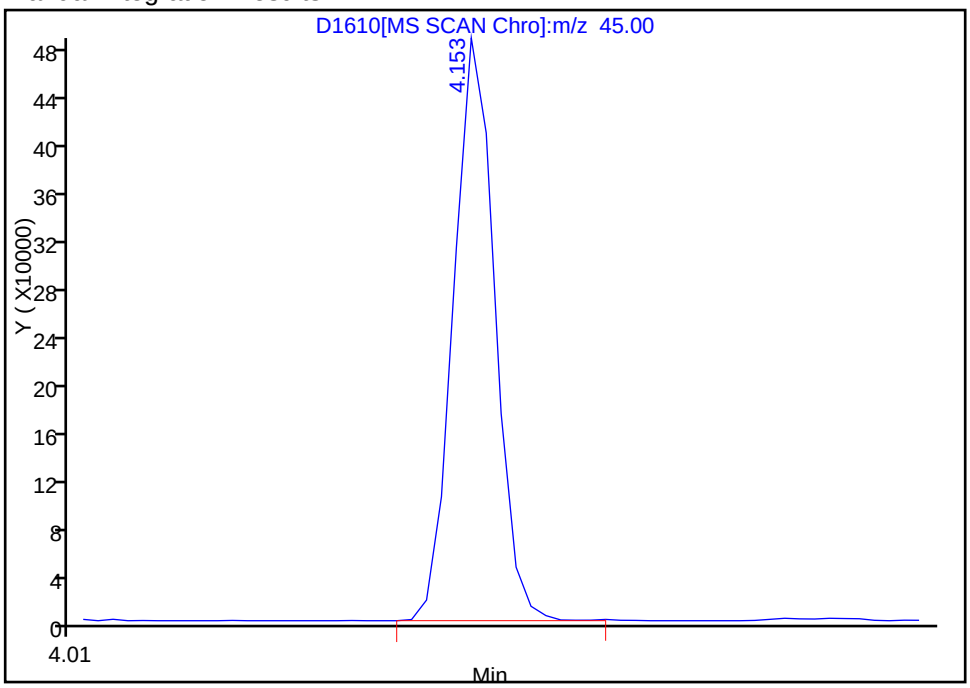
Processing Integration Results

Not Detected
Expected RT: 4.15



Manual Integration Results

RT: 4.15
Response: 502314
Amount: 114.2507



Reviewer: squiresb, 29-Sep-2011 15:01:20
Audit Action: Manually Integrated
Audit Reason: Assign Peak

Report Date: 30-Sep-2011 10:04:55 Chrom Revision: 1.2 13-Jul-2011 10:43:06

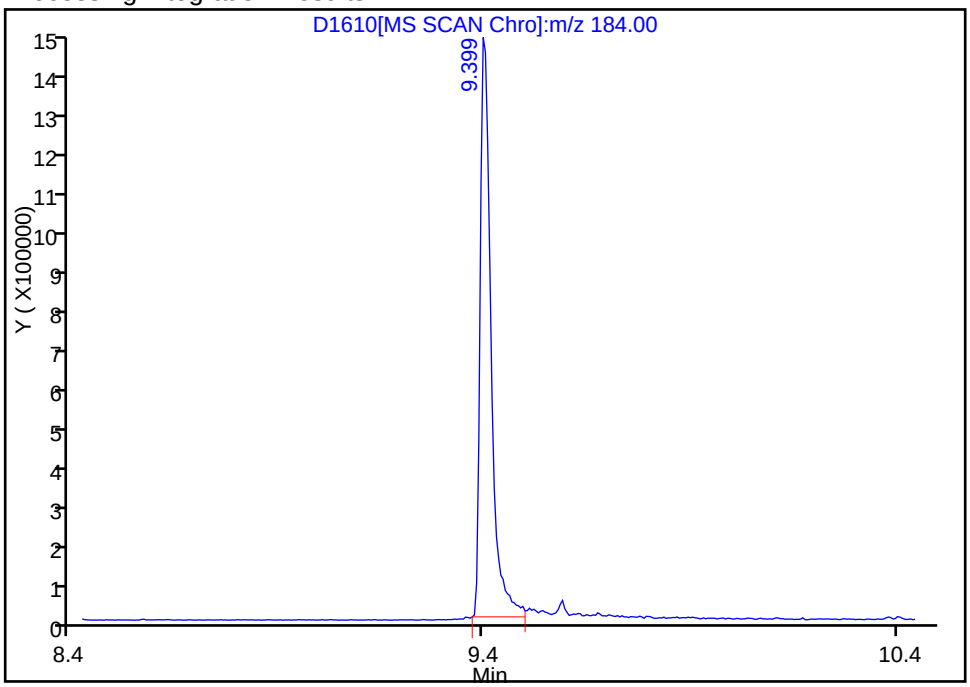
Manual Integration/User Assign Peak Report

Data File:	\\Valsvr08\ChromData\SMSA\20110929-5628.b\D1610.D		
Injection Date:	29-Sep-2011 13:43:30	Limit Group:	SMS - 1 - 8270 SVOA Calibration
Client ID:		Instrument ID:	SMSA
Lims Batch ID:	87354	Lims Sample ID:	11
Operator ID:	WDS	Injection Vol:	1.00 ul

96 Benzidine, Signal: 1, m/z: 184.0 Type: quant, RT: 9.40

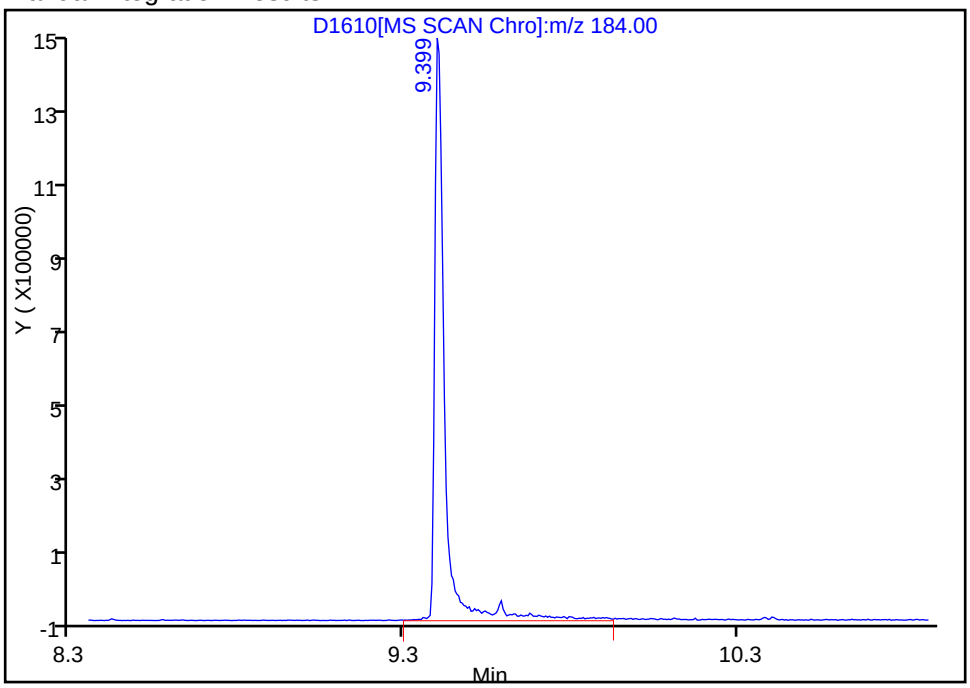
Processing Integration Results

RT: 9.40
Response: 2575150
Amount: 502.6028



Manual Integration Results

RT: 9.40
Response: 2978926
Amount: 508.7391



Reviewer: squiresb, 29-Sep-2011 15:01:20
Audit Action: Manually Integrated
Audit Reason: Baseline

Report Date: 30-Sep-2011 10:04:55 Chrom Revision: 1.2 13-Jul-2011 10:43:06

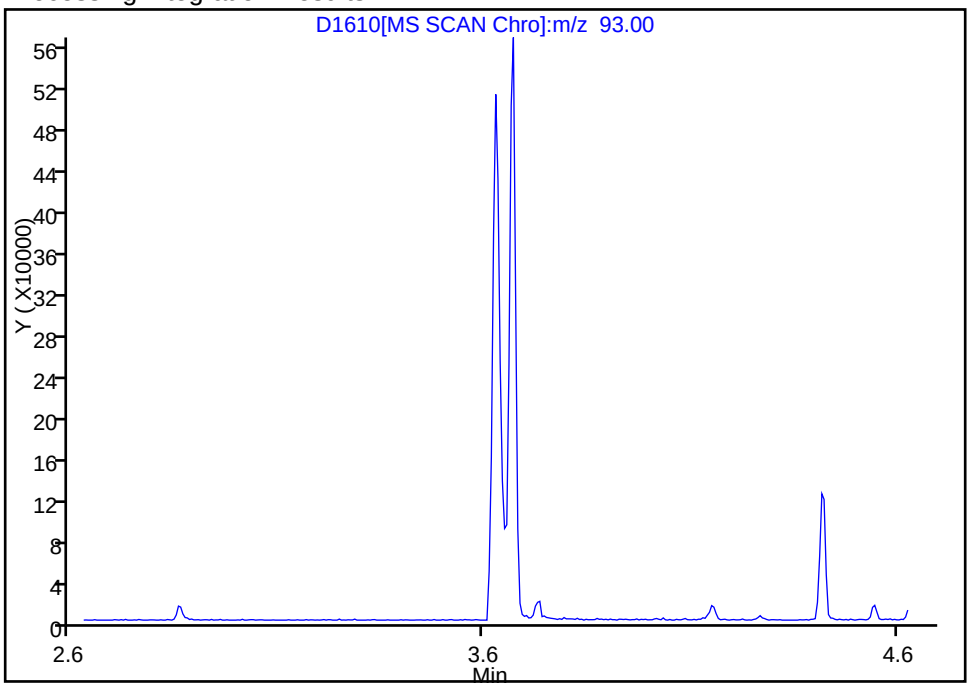
Manual Integration/User Assign Peak Report

Data File:	\\Valsvr08\ChromData\SMSA\20110929-5628.b\D1610.D		
Injection Date:	29-Sep-2011 13:43:30	Limit Group:	SMS - 1 - 8270 SVOA Calibration
Client ID:		Instrument ID:	SMSA
Lims Batch ID:	87354	Lims Sample ID:	11
Operator ID:	WDS	Injection Vol:	1.00 ul

36 Aniline, Signal: 1, m/z: 93.0 Type: quant, RT: 3.63

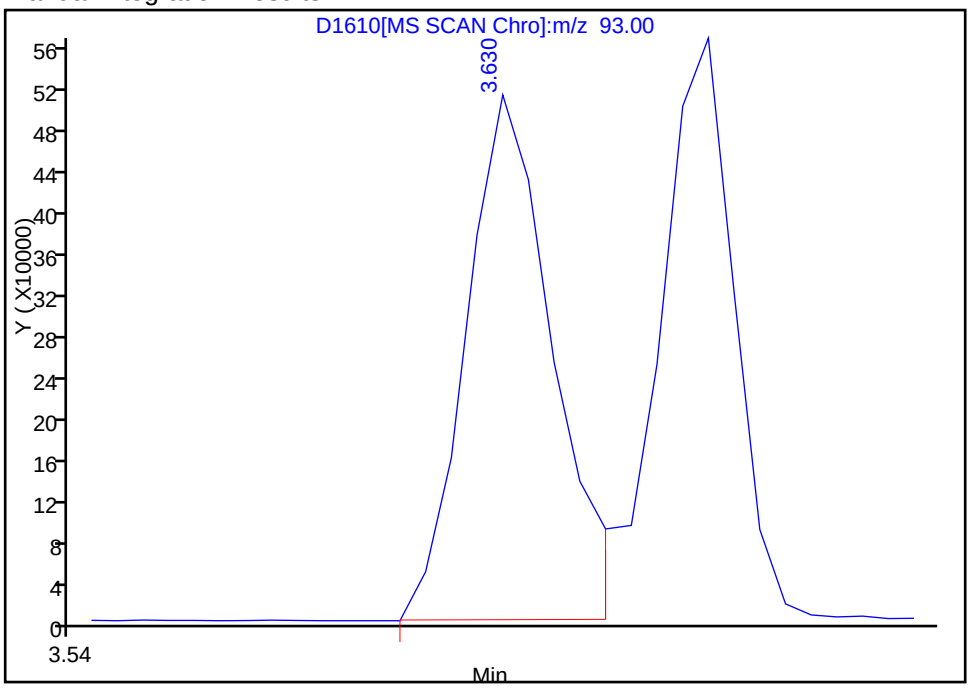
Not Detected
Expected RT: 3.63

Processing Integration Results



Manual Integration Results

RT: 3.63
Response: 629927
Amount: 106.1136



Reviewer: squiresb, 29-Sep-2011 15:01:20
Audit Action: Manually Integrated
Audit Reason: Assign Peak

FORM VII
GC/MS SEMI VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Valparaiso Job No.: 510-70378-1

SDG No.: 0058-373-01

Lab Sample ID: SSTD050 510-87497/2 Calibration Date: 10/01/2011 20:40

Instrument ID: SMSA Calib Start Date: 09/29/2011 10:51

GC Column: 8270/625 ID: 0.25(mm) Calib End Date: 09/29/2011 13:43

Lab File ID: D1681.D Conc. Units: ug/mL

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
1,4-Dioxane	Ave	0.7817	0.7731		49.5	50.0	-1.1	40.0
N-Nitrosodimethylamine	Ave	0.8660	1.085		62.7	50.0	25.3	40.0
Pyridine	Ave	1.574	1.769		56.2	50.0	12.4	40.0
Phenol	Ave	1.564	1.807		57.8	50.0	15.6	20.0
Aniline	Ave	1.324	1.679		63.4	50.0	26.8	40.0
Bis(2-chloroethyl)ether	Ave	1.172	1.328		56.6	50.0	13.3	40.0
2-Chlorophenol	Ave	1.217	1.321		54.3	50.0	8.5	40.0
1,3-Dichlorobenzene	Ave	0.8351	0.8477		50.8	50.0	1.5	40.0
1,4-Dichlorobenzene	Ave	1.460	1.460		50.0	50.0	-0.0	20.0
Benzyl alcohol	Ave	0.6687	0.9303		69.6	50.0	39.1	40.0
1,2-Dichlorobenzene	Ave	1.372	1.390		50.7	50.0	1.3	40.0
2-Methylphenol	Ave	1.053	1.218		57.8	50.0	15.6	40.0
Bis(2-chloroisopropyl) ether	Ave	0.9808	1.200		61.2	50.0	22.4	40.0
Acetophenone	Ave	1.511	1.596		52.8	50.0	5.6	40.0
3 & 4 Methylphenol	Ave	1.088	1.247		57.3	50.0	14.7	40.0
N-Nitrosodi-n-propylamine	Ave	0.8883	0.9464	0.0500	53.3	50.0	6.5	20.0
Hexachloroethane	Ave	0.6185	0.5737		46.4	50.0	-7.2	40.0
Nitrobenzene	Ave	0.4453	0.4682		52.6	50.0	5.1	40.0
Isophorone	Ave	0.6966	0.6937		49.8	50.0	-0.4	40.0
2-Nitrophenol	Ave	0.2194	0.2462		56.1	50.0	12.2	20.0
2,4-Dimethylphenol	Ave	0.4364	0.4536		52.0	50.0	3.9	40.0
Bis(2-chloroethoxy)methane	Ave	1.244	1.425		57.3	50.0	14.5	40.0
Benzoic acid	Lin2		0.3661		59.7	50.0	19.4	40.0
2,4-Dichlorophenol	Ave	0.5535	0.5829		52.7	50.0	5.3	20.0
1,2,4-Trichlorobenzene	Ave	0.3883	0.3692		47.5	50.0	-4.9	40.0
Naphthalene	Ave	1.118	0.9932		44.4	50.0	-11.2	40.0
p-Chloroaniline	Ave	0.3945	0.4190		53.1	50.0	6.2	40.0
Hexachloro-1,3-butadiene	Ave	0.3001	0.2514		41.9	50.0	-16.2	40.0
4-Chloro-3-methylphenol	Ave	0.3683	0.3872		52.6	50.0	5.1	20.0
2-Methylnaphthalene	Ave	0.6270	0.6337		50.5	50.0	1.1	40.0
Hexachlorocyclopentadiene	Ave	0.3566	0.3459	0.0500	48.5	50.0	-3.0	20.0
2,4,6-Trichlorophenol	Ave	0.4352	0.4236		48.7	50.0	-2.7	20.0
2,4,5-Trichlorophenol	Ave	0.4587	0.4568		49.8	50.0	-0.4	40.0
1,1'-Biphenyl	Ave	1.389	1.383		49.8	50.0	-0.4	40.0
2-Chloronaphthalene	Ave	1.181	1.143		48.4	50.0	-3.2	40.0
2-Nitroaniline	Ave	0.3887	0.4081		52.5	50.0	5.0	40.0
Dimethyl phthalate	Ave	1.263	1.243		49.2	50.0	-1.5	40.0
2,6-Dinitrotoluene	Ave	0.3363	0.3452		51.3	50.0	2.7	40.0
Acenaphthylene	Ave	1.673	1.642		49.1	50.0	-1.8	40.0
3-Nitroaniline	Ave	0.3054	0.3498		57.3	50.0	14.5	40.0
Acenaphthene	Ave	1.102	1.112		50.5	50.0	0.9	20.0

FORM VII
GC/MS SEMI VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Valparaiso Job No.: 510-70378-1

SDG No.: 0058-373-01

Lab Sample ID: SSTD050 510-87497/2 Calibration Date: 10/01/2011 20:40

Instrument ID: SMSA Calib Start Date: 09/29/2011 10:51

GC Column: 8270/625 ID: 0.25(mm) Calib End Date: 09/29/2011 13:43

Lab File ID: D1681.D Conc. Units: ug/mL

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
2,4-Dinitrophenol	Ave	0.2016	0.2380	0.0500	59.0	50.0	18.1	20.0
4-Nitrophenol	Ave	0.2498	0.2141	0.0500	<50.0	50.0	-14.3	20.0
Dibenzofuran	Ave	1.547	1.493		48.3	50.0	-3.5	40.0
2,4-Dinitrotoluene	Ave	0.4165	0.4250		51.0	50.0	2.1	40.0
Diethyl phthalate	Ave	1.204	1.135		47.1	50.0	-5.8	40.0
Fluorene	Ave	1.343	1.285		47.9	50.0	-4.3	40.0
4-Chlorophenyl phenyl ether	Ave	0.7088	0.6620		46.7	50.0	-6.6	40.0
4-Nitroaniline	Ave	0.2809	0.3366		59.9	50.0	19.8	40.0
4,6-Dinitro-2-methylphenol	Ave	0.1711	0.1913		55.9	50.0	11.8	40.0
N-Nitrosodiphenylamine	Ave	0.7022	0.7170		51.1	50.0	2.1	20.0
1,2-Diphenylhydrazine	Ave	0.8204	0.8261		50.3	50.0	0.7	40.0
4-Bromophenyl phenyl ether	Ave	0.2534	0.2546		50.2	50.0	0.5	40.0
Hexachlorobenzene	Ave	0.2390	0.2456		51.4	50.0	2.8	40.0
Pentachlorophenol	Ave	0.1705	0.2010		58.9	50.0	17.9	20.0
Phenanthrene	Ave	1.108	1.046		47.2	50.0	-5.6	40.0
Anthracene	Ave	1.103	1.091		49.4	50.0	-1.1	40.0
Carbazole	Ave	0.9907	1.010		51.0	50.0	2.0	40.0
Dibutylphthalate	Ave	1.036	1.062		51.3	50.0	2.5	40.0
Fluoranthene	Ave	1.191	1.168		49.1	50.0	-1.9	20.0
Benzidine	Ave	0.5320	0.7267		205	150	36.6	40.0
Pyrene	Ave	1.405	1.253		44.6	50.0	-10.8	40.0
Butyl benzyl phthalate	Ave	0.5834	0.6096		52.2	50.0	4.5	40.0
3,3'-Dichlorobenzidine	Ave	0.3563	0.6038		254	150	69.5*	40.0
Benzo[a]anthracene	Ave	1.264	1.222		48.3	50.0	-3.4	40.0
Chrysene	Ave	1.206	1.136		47.1	50.0	-5.8	40.0
Bis(2-ethylhexyl) phthalate	Ave	0.6927	0.7067		51.0	50.0	2.0	40.0
Di-n-octyl phthalate	Ave	1.233	1.161		47.1	50.0	-5.8	20.0
Benzo[b]fluoranthene	Ave	1.371	1.273		46.4	50.0	-7.1	40.0
Benzo[k]fluoranthene	Ave	1.409	1.214		43.1	50.0	-13.8	40.0
Benzo[a]pyrene	Ave	1.142	1.136		49.7	50.0	-0.5	20.0
Dibenz(a,h)anthracene	Ave	0.9594	1.025		53.4	50.0	6.9	40.0
Indeno[1,2,3-cd]pyrene	Ave	1.178	1.217		51.7	50.0	3.4	40.0
Benzo[g,h,i]perylene	Ave	0.9901	1.009		51.0	50.0	1.9	40.0
2-Fluorophenol	Ave	1.263	1.542		61.1	50.0	22.2	
Phenol-d5	Ave	1.421	1.810		63.7	50.0	27.4	
Nitrobenzene-d5	Ave	0.5029	0.5034		50.1	50.0	0.1	
2-Fluorobiphenyl	Ave	1.470	1.312		44.6	50.0	-10.7	
2,4,6-Tribromophenol	Ave	0.0872	0.0829		47.5	50.0	-5.0	40.0
Terphenyl-d14	Ave	1.003	0.8294		41.3	50.0	-17.3	

Report Date: 01-Oct-2011 20:58:40 Chrom Revision: 1.2 13-Jul-2011 10:43:06

TestAmerica Laboratories
Target Compound Quantitation Report

Data File: \\Valsvr08\ChromData\SMSA\20111001-5647.b\D1681.D
Lims ID: sstd050 Client ID:
Inject. Date: 01-Oct-2011 20:40:30 Dil. Factor: 1.0000
Sample Type: CCVIS
Sample ID: SSTD050
Misc. Info.: 510-0005647-002 =510-0005647-002
Operator: WDS Instrument ID: SMSA
Vol. Injected: 1.0000 ALS Bottle#: 2
Lims Batch ID: 87497 Lims Sample ID: 2
Sublist: chrom-8270C_SMSA*sub30
Detector: MS SCAN

Method: \\Valsvr08\ChromData\SMSA\20111001-5647.b\8270C_SMSA.m
Last Update: 01-Oct-2011 20:58:39 Calib Date: 29-Sep-2011 13:43:30
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\Valsvr08\ChromData\SMSA\20110929-5628.b\D1610.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: 01-Oct-2011 20:58:39

Compound	Sig	RT	EXP RT	DLT RT	Q	Response	On-Col Amt ug/ml	Flags
9 1,4-Dioxane	88	1.686	1.686	0.0	87	272383	49.5	
30 N-Nitrosodimethylamine	74	1.863	1.863	0.0	97	382368	62.7	
31 Pyridine	79	1.879	1.879	0.0	98	623256	56.2	
$ 32 2-Fluorophenol	112	2.728	2.728	0.0	93	543412	61.1	
$ 34 Phenol-d5	99	3.465	3.465	0.0	0	637602	63.7	
35 Phenol	94	3.476	3.476	0.0	92	636767	57.8	
36 Aniline	93	3.492	3.492	0.0	12	591593	63.4	M
37 Bis(2-chloroethyl)ether	93	3.540	3.540	0.0	90	467977	56.6	M
38 2-Chlorophenol	128	3.594	3.594	0.0	94	465455	54.3	
39 1,3-Dichlorobenzene	146	3.717	3.717	0.0	93	534864	50.8	
* 40 1,4-Dichlorobenzene-d4	152	3.743	3.743	0.0	68	281859	40.0	M
41 1,4-Dichlorobenzene	146	3.759	3.759	0.0	88	514291	50.0	
42 Benzyl alcohol	108	3.882	3.882	0.0	89	327766	69.6	
43 1,2-Dichlorobenzene	146	3.925	3.925	0.0	91	489666	50.7	
44 2-Methylphenol	108	4.000	4.000	0.0	96	429072	57.8	
10 2,2'-oxybis(2-chloropropane)	45	4.021	4.021	0.0	1	422907	61.2	M
45 Acetophenone	105	4.128	4.128	0.0	89	562150	52.8	
47 3 & 4 Methylphenol	108	4.133	4.133	0.0	0	439365	57.3	
46 N-Nitrosodi-n-propylamine	70	4.149	4.149	0.0	97	333454	53.3	
48 Hexachloroethane	117	4.203	4.203	0.0	91	202129	46.4	
$ 49 Nitrobenzene-d5	82	4.267	4.267	0.0	88	534691	50.1	
50 Nitrobenzene	77	4.283	4.283	0.0	86	497285	52.6	
51 Isophorone	82	4.497	4.497	0.0	90	736736	49.8	
52 2-Nitrophenol	139	4.582	4.582	0.0	96	261439	56.1	
53 2,4-Dimethylphenol	107	4.625	4.625	0.0	95	481809	52.0	
54 Bis(2-chloroethoxy)methane	93	4.710	4.710	0.0	97	502076	57.3	
5 Benzoic acid	105	4.737	4.737	0.0	93	388883	59.7	
55 2,4-Dichlorophenol	162	4.801	4.801	0.0	94	367812	52.7	
S 3 Methyl Phenols,Total	100				0		115.1	
56 1,2,4-Trichlorobenzene	180	4.881	4.881	0.0	92	392128	47.5	

Compound	Sig	RT	EXP RT	DLT RT	Q	Response	On-Col Amt ug/ml	Flags
* 57 Naphthalene-d8	136	4.919	4.919	0.0	95	849691	40.0	
58 Naphthalene	128	4.940	4.940	0.0	94	1054891	44.4	
59 4-Chloroaniline	127	5.015	5.015	0.0	82	445046	53.1	
60 Hexachlorobutadiene	225	5.116	5.116	0.0	92	267019	41.9	
61 4-Chloro-3-methylphenol	107	5.490	5.490	0.0	97	411283	52.6	
62 2-Methylnaphthalene	141	5.602	5.602	0.0	81	673067	50.5	
63 Hexachlorocyclopentadiene	237	5.827	5.827	0.0	88	218245	48.5	
64 2,4,6-Trichlorophenol	196	5.918	5.918	0.0	89	267261	48.7	
65 2,4,5-Trichlorophenol	196	5.960	5.960	0.0	94	288241	49.8	
$ 66 2-Fluorobiphenyl	172	5.992	5.992	0.0	82	828086	44.6	
116 1,1'-Biphenyl	154	6.088	6.088	0.0	0	872433	49.8	
67 2-Chloronaphthalene	162	6.099	6.099	0.0	99	721001	48.4	
68 2-Nitroaniline	65	6.254	6.254	0.0	78	257467	52.5	
69 Dimethyl phthalate	163	6.505	6.505	0.0	95	784459	49.2	
70 2,6-Dinitrotoluene	165	6.575	6.575	0.0	59	217794	51.3	
71 Acenaphthylene	152	6.575	6.575	0.0	94	1036315	49.1	
72 3-Nitroaniline	138	6.724	6.724	0.0	91	220741	57.3	
* 73 Acenaphthene-d10	164	6.746	6.746	0.0	90	504775	40.0	
74 Acenaphthene	153	6.778	6.778	0.0	86	701889	50.5	
75 2,4-Dinitrophenol	184	6.831	6.831	0.0	82	150165	59.0	
77 Dibenzofuran	168	6.949	6.949	0.0	79	942269	48.3	
78 4-Nitrophenol	109	6.922	6.922	0.0	1	135064	42.8	M
76 2,4-Dinitrotoluene	165	6.991	6.991	0.0	75	268162	51.0	
79 Diethyl phthalate	149	7.258	7.258	0.0	97	716182	47.1	
80 Fluorene	166	7.296	7.296	0.0	80	811083	47.9	
81 4-Chlorophenyl phenyl ether	204	7.301	7.301	0.0	75	417670	46.7	
82 4-Nitroaniline	138	7.360	7.360	0.0	75	212408	59.9	
83 4,6-Dinitro-2-methylphenol	198	7.403	7.403	0.0	76	182021	55.9	
84 N-Nitrosodiphenylamine	169	7.429	7.429	0.0	95	682269	51.1	
85 1,2-Diphenylhydrazine	77	7.456	7.456	0.0	96	786138	50.3	
$ 86 2,4,6-Tribromophenol	141	7.552	7.552	0.0	74	52283	47.5	
87 4-Bromophenyl phenyl ether	248	7.766	7.766	0.0	61	242278	50.2	
88 Hexachlorobenzene	284	7.900	7.900	0.0	88	233725	51.4	
89 Pentachlorophenol	266	8.060	8.060	0.0	90	191243	58.9	
* 90 Phenanthrene-d10	188	8.161	8.161	0.0	98	761284	40.0	
91 Phenanthrene	178	8.183	8.183	0.0	89	995401	47.2	
92 Anthracene	178	8.220	8.220	0.0	93	1037773	49.4	
93 Carbazole	167	8.364	8.364	0.0	87	961242	51.0	
94 Di-n-butyl phthalate	149	8.706	8.706	0.0	98	1010797	51.3	
95 Fluoranthene	202	9.166	9.166	0.0	97	1111843	49.1	
96 Benzidine	184	9.272	9.272	0.0	95	1897711	204.9	M
97 Pyrene	202	9.337	9.337	0.0	93	1090872	44.6	
$ 98 Terphenyl-d14	244	9.459	9.459	0.0	95	722014	41.3	
99 Butyl benzyl phthalate	149	9.849	9.849	0.0	96	530604	52.2	
100 3,3'-Dichlorobenzidine	252	10.239	10.239	0.0	90	1576889	254.2	
101 Benzo[a]anthracene	228	10.250	10.250	0.0	98	1063589	48.3	
* 103 Chrysene-d12	240	10.261	10.261	0.0	85	696389	40.0	
104 Chrysene	228	10.282	10.282	0.0	83	989124	47.1	
102 Bis(2-ethylhexyl) phthalate	149	10.288	10.288	0.0	94	615137	51.0	
105 Di-n-octyl phthalate	149	10.726	10.726	0.0	96	1040479	47.1	
106 Benzo[b]fluoranthene	252	11.035	11.035	0.0	62	1140727	46.4	M
107 Benzo[k]fluoranthene	252	11.051	11.051	0.0	62	1088209	43.1	M

Compound	Sig	RT	EXP RT	DLT RT	Q	Response	On-Col Amt ug/ml	Flags
108 Benzo[a]pyrene	252	11.260	11.260	0.0	80	1018111	49.7	
* 109 Perylene-d12	264	11.297	11.297	0.0	93	716872	40.0	
111 Dibenz(a,h)anthracene	278	11.992	11.992	0.0	66	918883	53.4	
110 Indeno[1,2,3-cd]pyrene	276	11.992	11.992	0.0	85	1090772	51.7	
24 Benzo[g,h,i]perylene	276	12.157	12.157	0.0	92	904559	51.0	

QC Flag Legend

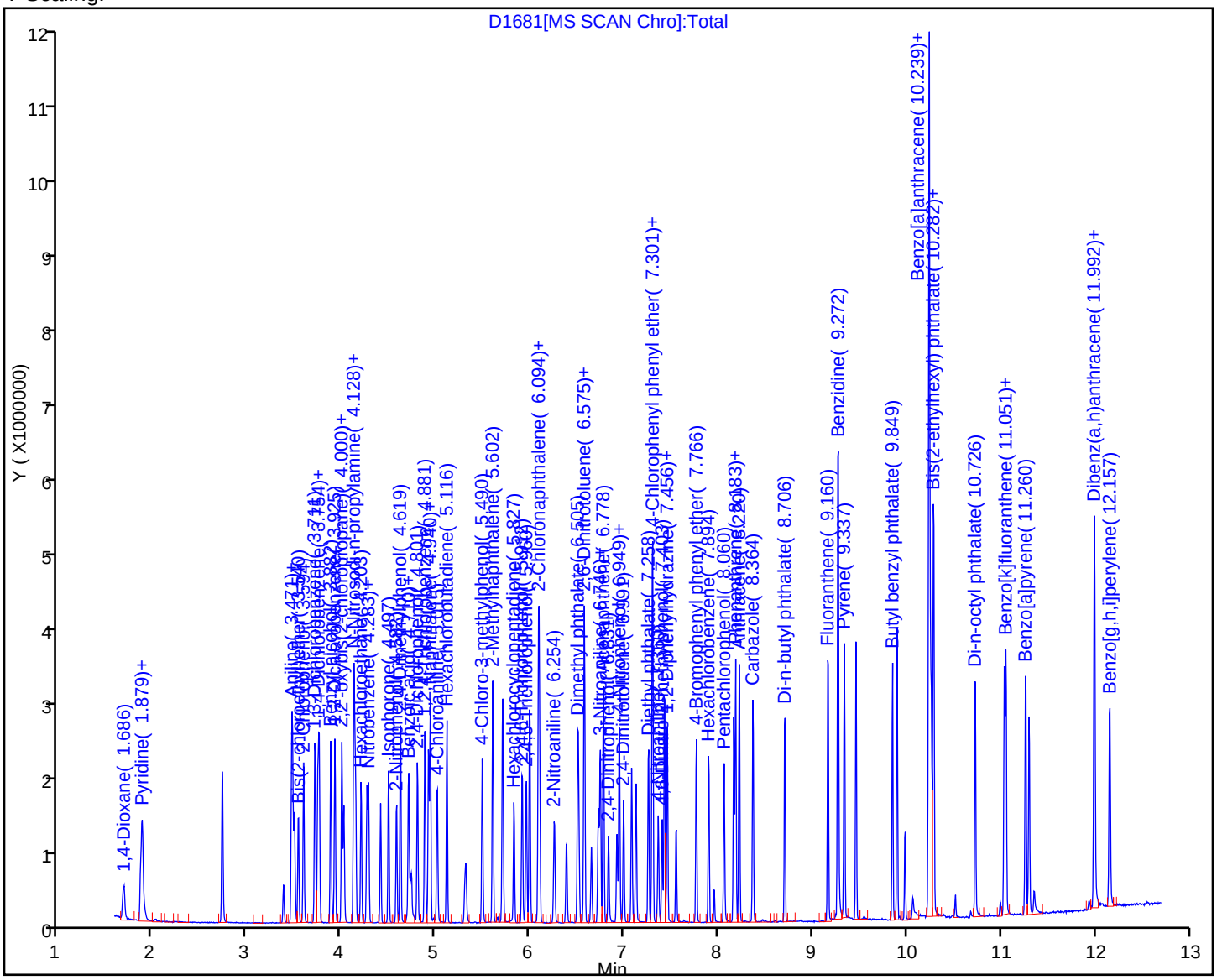
Review Flags
M - Manually Integrated

Report Date: 01-Oct-2011 20:58:40 Chrom Revision: 1.2 13-Jul-2011 10:43:06

Data File: \\Valsvr08\ChromData\SMSA\20111001-5647.b\D1681.D

Injection Date:	01-Oct-2011 20:40:30	Limit Group:	SMS - 1 - 8270 SVOA Calibration
Client ID:		Instrument ID:	SMSA
Lims Batch ID:	87497	Lims Sample ID:	2
Operator ID:	WDS	Injection Vol:	1.00 ul

Y Scaling:



Report Date: 01-Oct-2011 20:58:40 Chrom Revision: 1.2 13-Jul-2011 10:43:06

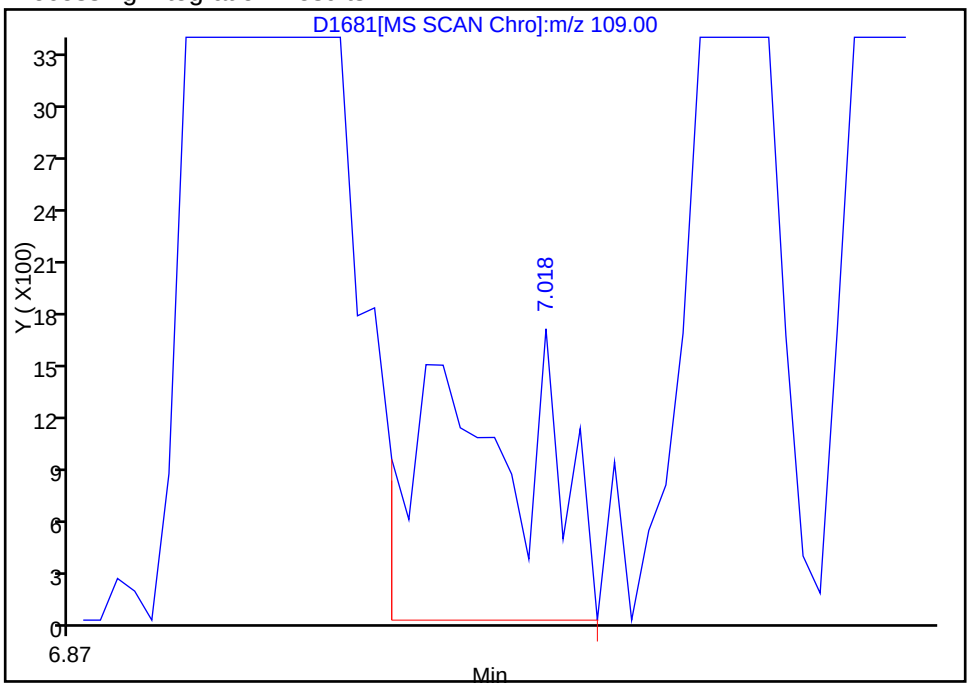
Manual Integration/User Assign Peak Report

Data File:	\\Valsvr08\ChromData\SMSA\20111001-5647.b\D1681.D		
Injection Date:	01-Oct-2011 20:40:30	Limit Group:	SMS - 1 - 8270 SVOA Calibration
Client ID:		Instrument ID:	SMSA
Lims Batch ID:	87497	Lims Sample ID:	2
Operator ID:	WDS	Injection Vol:	1.00 ul

78 4-Nitrophenol, Signal: 1, m/z: 109.0 Type: quant, RT: 6.92

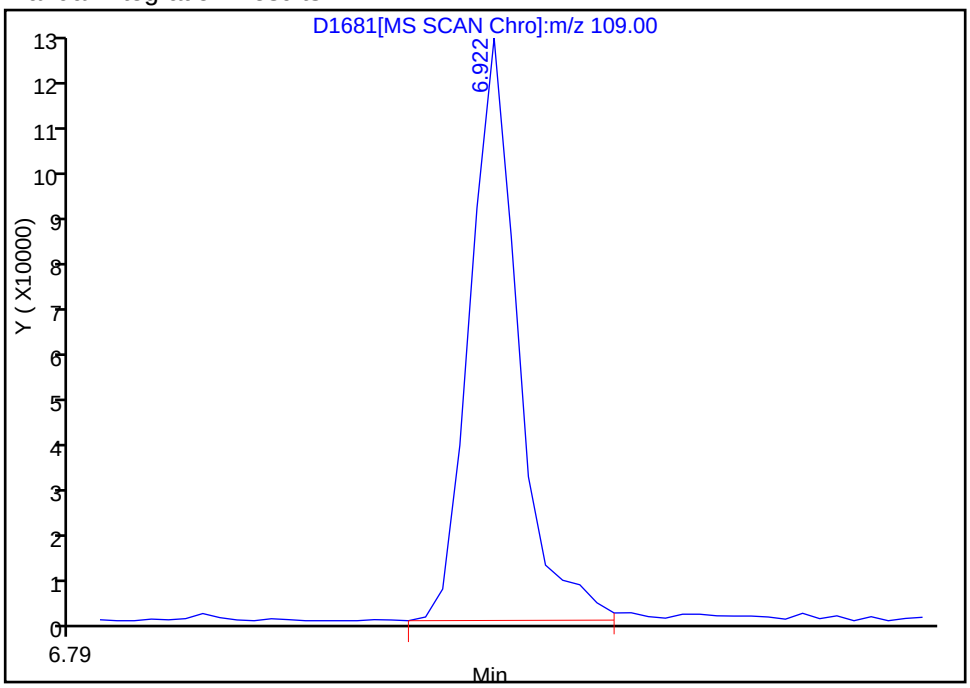
Processing Integration Results

RT: 7.02
Response: 3829
Amount: 1.214671



Manual Integration Results

RT: 6.92
Response: 135064
Amount: 42.846270



Reviewer: squiresb, 01-Oct-2011 20:58:39
Audit Action: Manually Integrated
Audit Reason: Assign Peak

Report Date: 01-Oct-2011 20:58:40 Chrom Revision: 1.2 13-Jul-2011 10:43:06

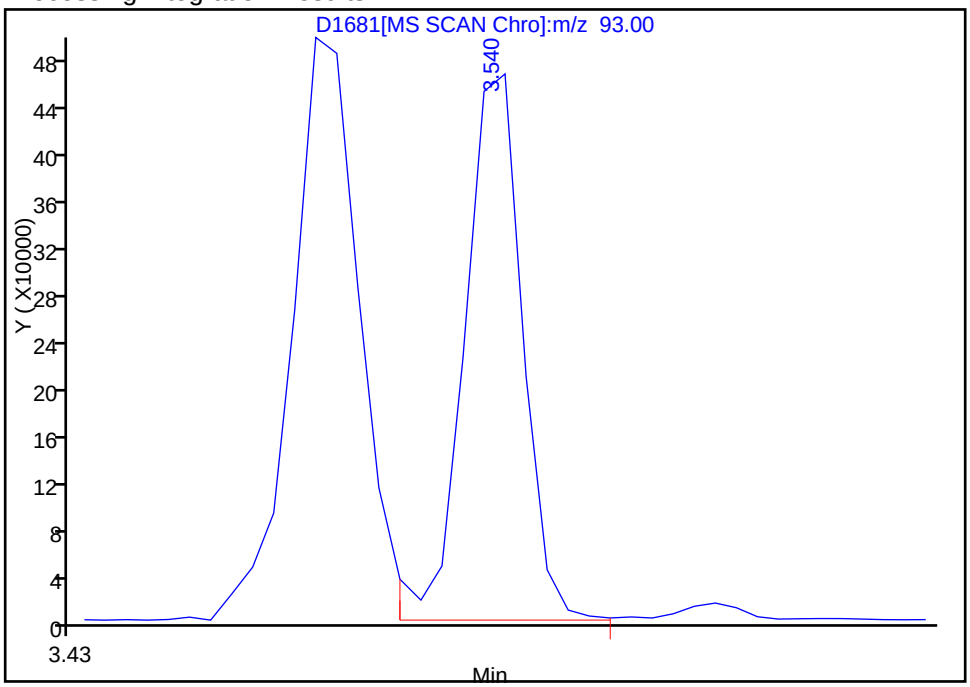
Manual Integration/User Assign Peak Report

Data File:	\\Valsvr08\ChromData\SMSA\20111001-5647.b\D1681.D		
Injection Date:	01-Oct-2011 20:40:30	Limit Group:	SMS - 1 - 8270 SVOA Calibration
Client ID:		Instrument ID:	SMSA
Lims Batch ID:	87497	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: 3.54

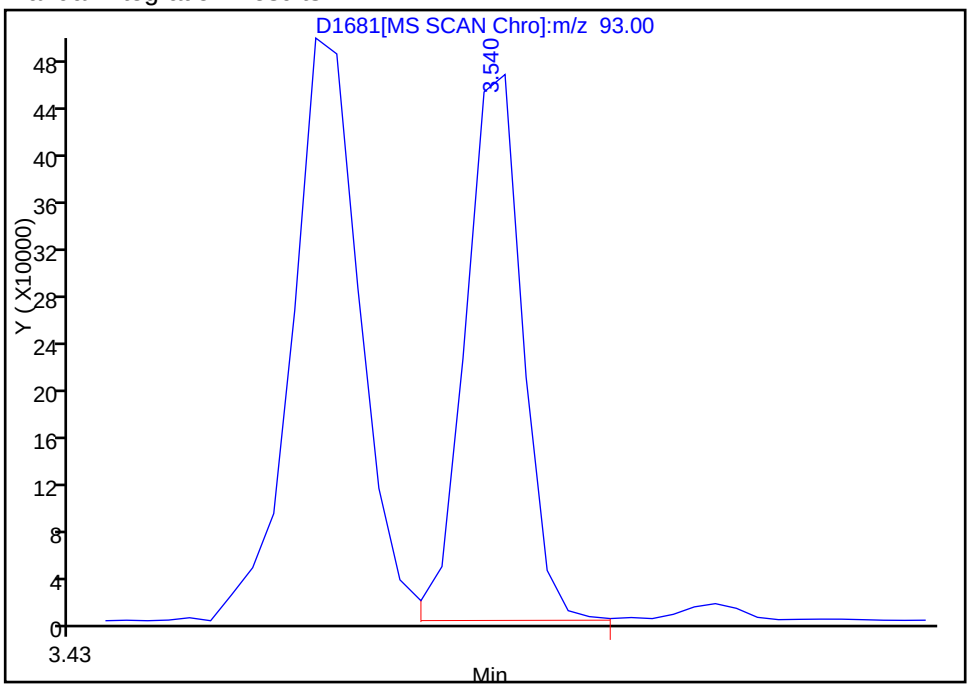
Processing Integration Results

RT: 3.54
Response: 479839
Amount: 58.720049



Manual Integration Results

RT: 3.54
Response: 467977
Amount: 56.646302



Reviewer: squiresb, 01-Oct-2011 20:58:39
Audit Action: Manually Integrated
Audit Reason: Assign Peak

Report Date: 01-Oct-2011 20:58:40 Chrom Revision: 1.2 13-Jul-2011 10:43:06

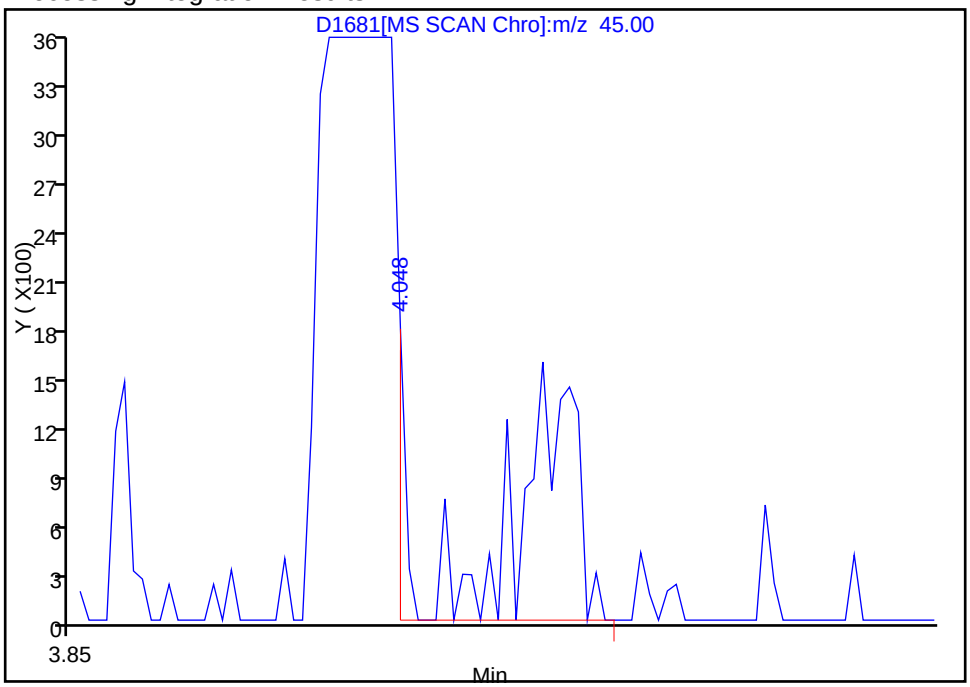
Manual Integration/User Assign Peak Report

Data File:	\\Valsvr08\ChromData\SMSA\20111001-5647.b\D1681.D		
Injection Date:	01-Oct-2011 20:40:30	Limit Group:	SMS - 1 - 8270 SVOA Calibration
Client ID:		Instrument ID:	SMSA
Lims Batch ID:	87497	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: 4.02

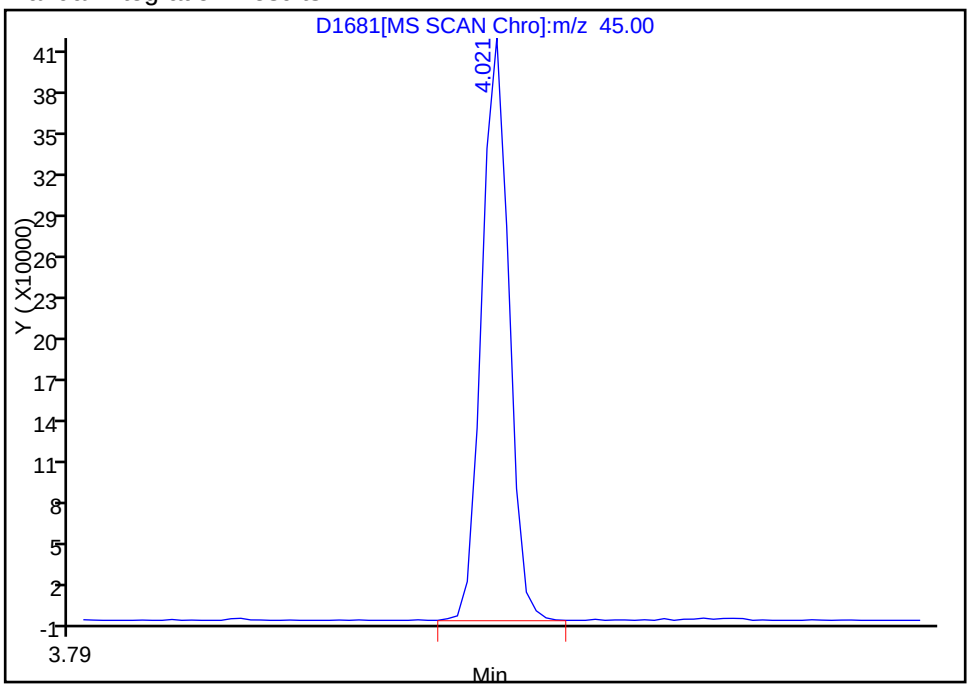
Processing Integration Results

RT: 4.05
Response: 4259
Amount: 0.623011



Manual Integration Results

RT: 4.02
Response: 422907
Amount: 61.191192



Reviewer: squiresb, 01-Oct-2011 20:58:39
Audit Action: Manually Integrated
Audit Reason: Assign Peak

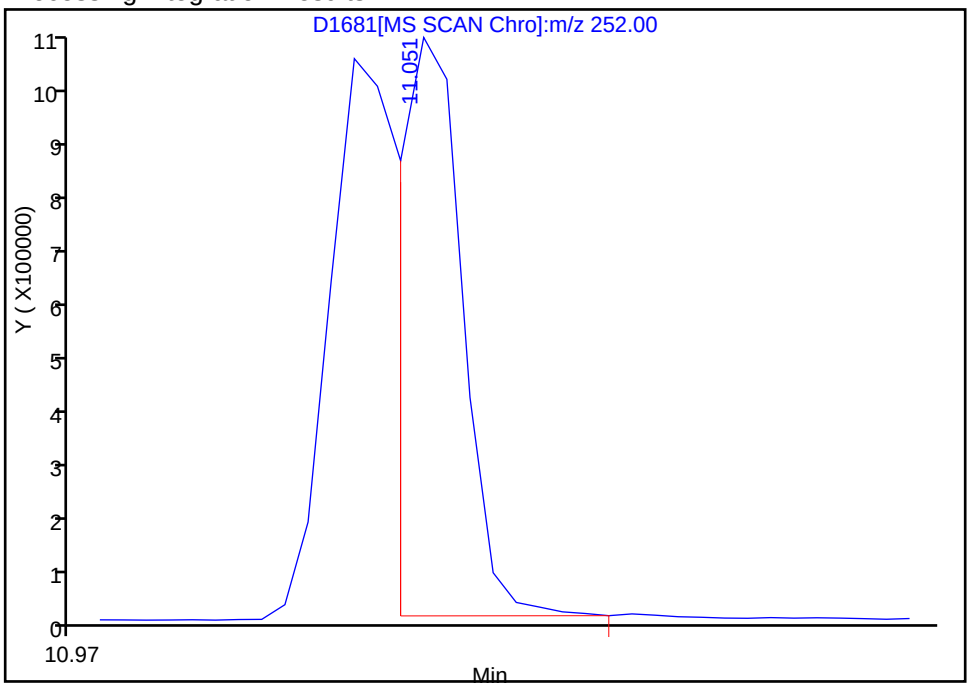
Manual Integration/User Assign Peak Report

Data File:	\\Valsvr08\ChromData\SMSA\20111001-5647.b\D1681.D		
Injection Date:	01-Oct-2011 20:40:30	Limit Group:	SMS - 1 - 8270 SVOA Calibration
Client ID:		Instrument ID:	SMSA
Lims Batch ID:	87497	Lims Sample ID:	2
Operator ID:	WDS	Injection Vol:	1.00 ul

106 Benzo[b]fluoranthene, Signal: 1, m/z: 252.0 Type: quant, RT: 11.04

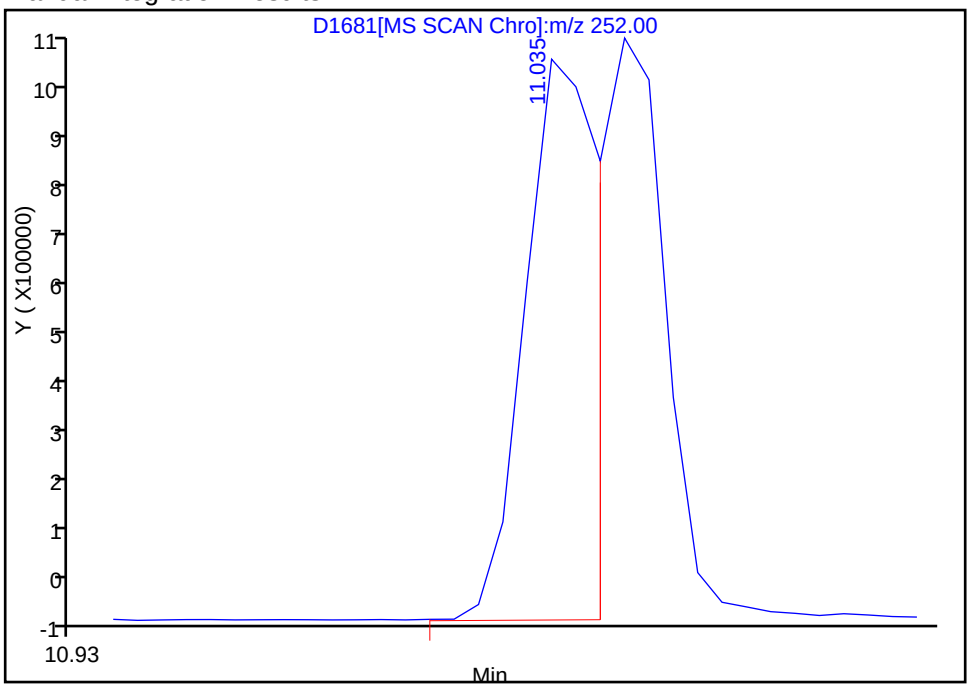
Processing Integration Results

RT: 11.05
Response: 1054524
Amount: 42.930172



Manual Integration Results

RT: 11.04
Response: 1140727
Amount: 46.439537



Reviewer: squiresb, 01-Oct-2011 20:58:39
Audit Action: Manually Integrated
Audit Reason: Assign Peak

Report Date: 01-Oct-2011 20:58:40 Chrom Revision: 1.2 13-Jul-2011 10:43:06

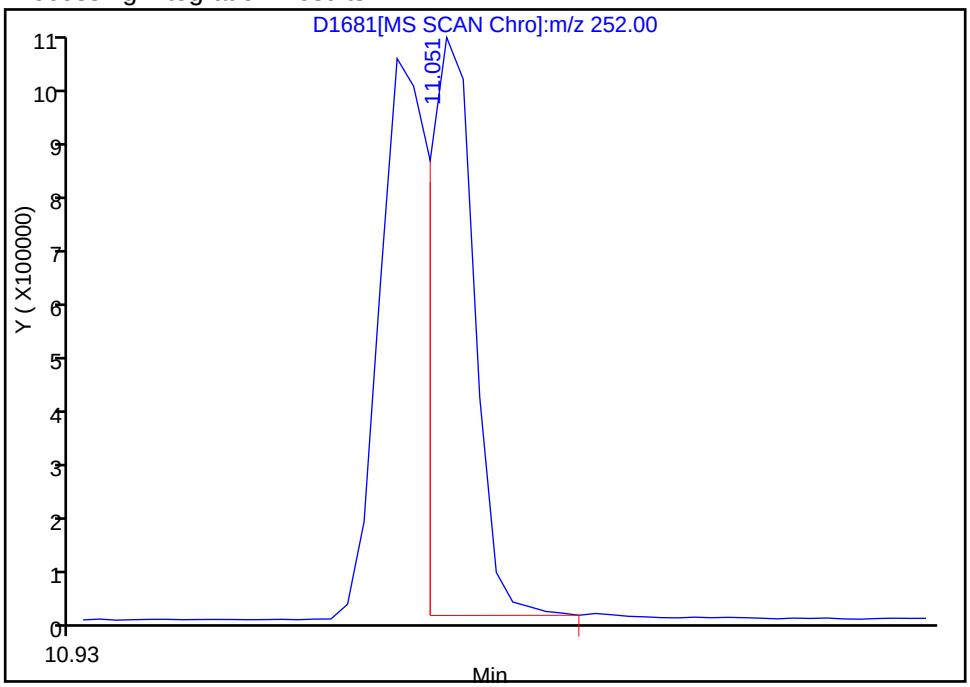
Manual Integration/User Assign Peak Report

Data File:	\\Valsvr08\ChromData\SMSA\20111001-5647.b\D1681.D		
Injection Date:	01-Oct-2011 20:40:30	Limit Group:	SMS - 1 - 8270 SVOA Calibration
Client ID:		Instrument ID:	SMSA
Lims Batch ID:	87497	Lims Sample ID:	2
Operator ID:	WDS	Injection Vol:	1.00 ul

107 Benzo[k]fluoranthene, Signal: 1, m/z: 252.0 Type: quant, RT: 11.05

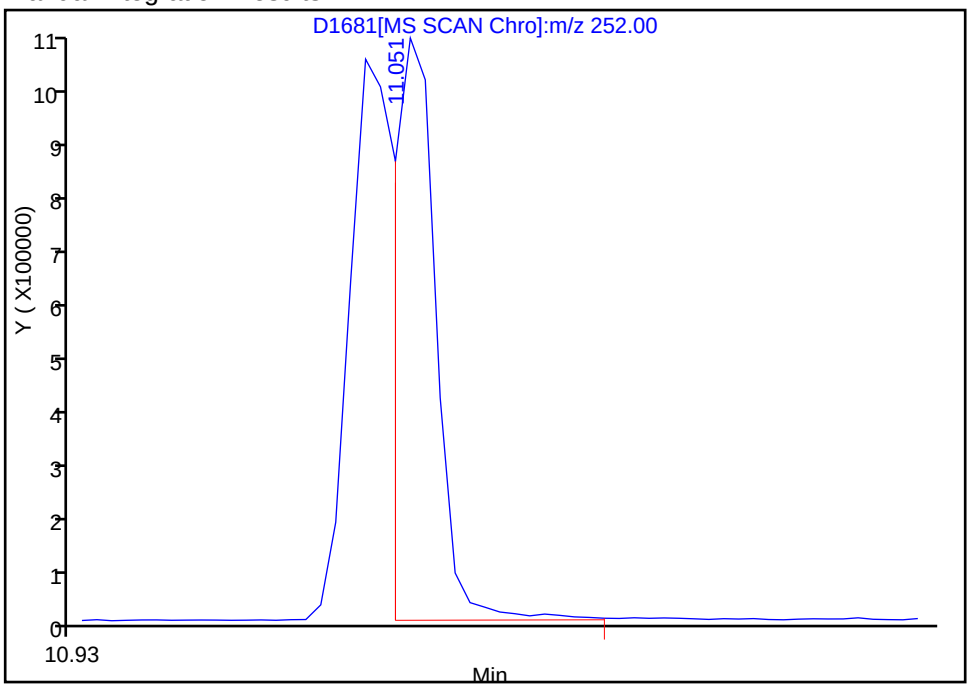
Processing Integration Results

RT: 11.05
Response: 1054524
Amount: 41.766038



Manual Integration Results

RT: 11.05
Response: 1088209
Amount: 43.100184



Reviewer: squiresb, 01-Oct-2011 20:58:39
Audit Action: Manually Integrated
Audit Reason: Baseline

Report Date: 01-Oct-2011 20:58:40 Chrom Revision: 1.2 13-Jul-2011 10:43:06

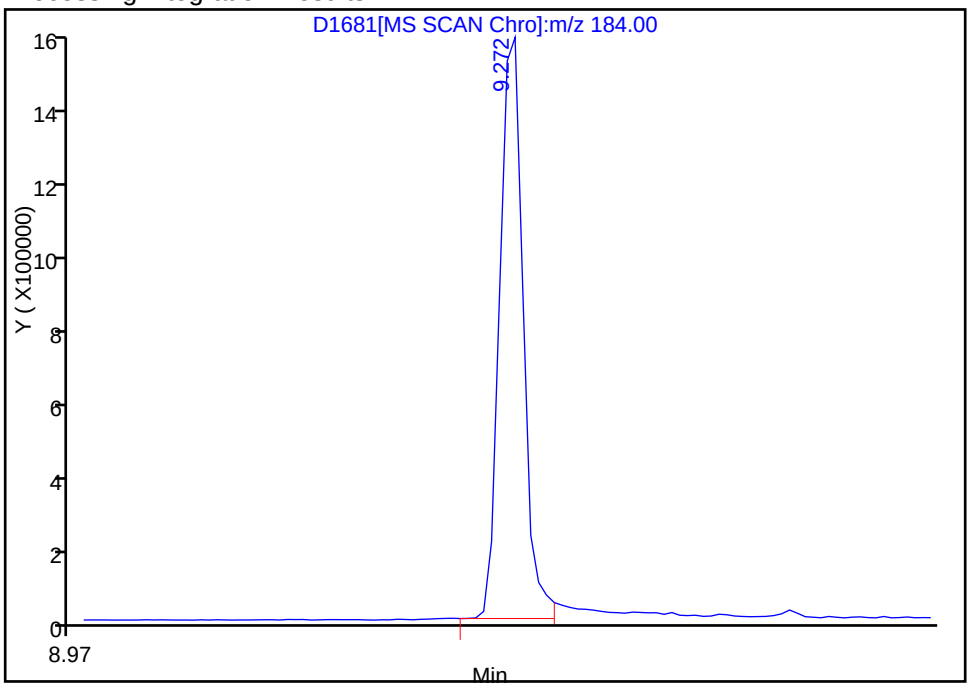
Manual Integration/User Assign Peak Report

Data File:	\\Valsvr08\ChromData\SMSA\20111001-5647.b\D1681.D		
Injection Date:	01-Oct-2011 20:40:30	Limit Group:	SMS - 1 - 8270 SVOA Calibration
Client ID:		Instrument ID:	SMSA
Lims Batch ID:	87497	Lims Sample ID:	2
Operator ID:	WDS	Injection Vol:	1.00 ul

96 Benzidine, Signal: 1, m/z: 184.0 Type: quant, RT: 9.27

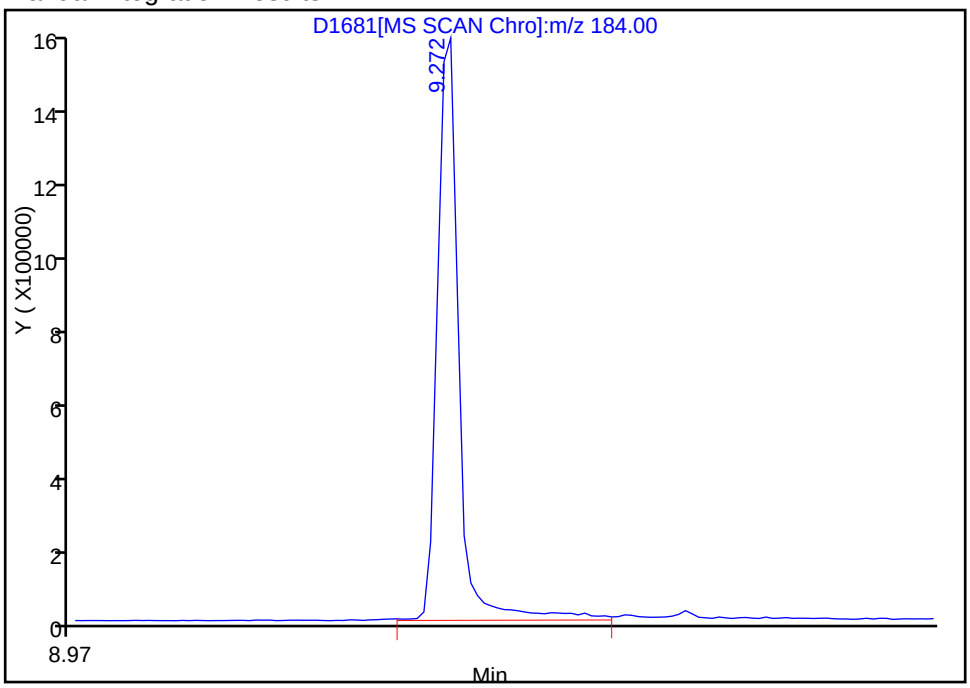
Processing Integration Results

RT: 9.27
Response: 1760531
Amount: 190.0770



Manual Integration Results

RT: 9.27
Response: 1897711
Amount: 204.8877



Reviewer: squiresb, 01-Oct-2011 20:58:39
Audit Action: Manually Integrated
Audit Reason: Peak Tail

Report Date: 01-Oct-2011 20:58:40 Chrom Revision: 1.2 13-Jul-2011 10:43:06

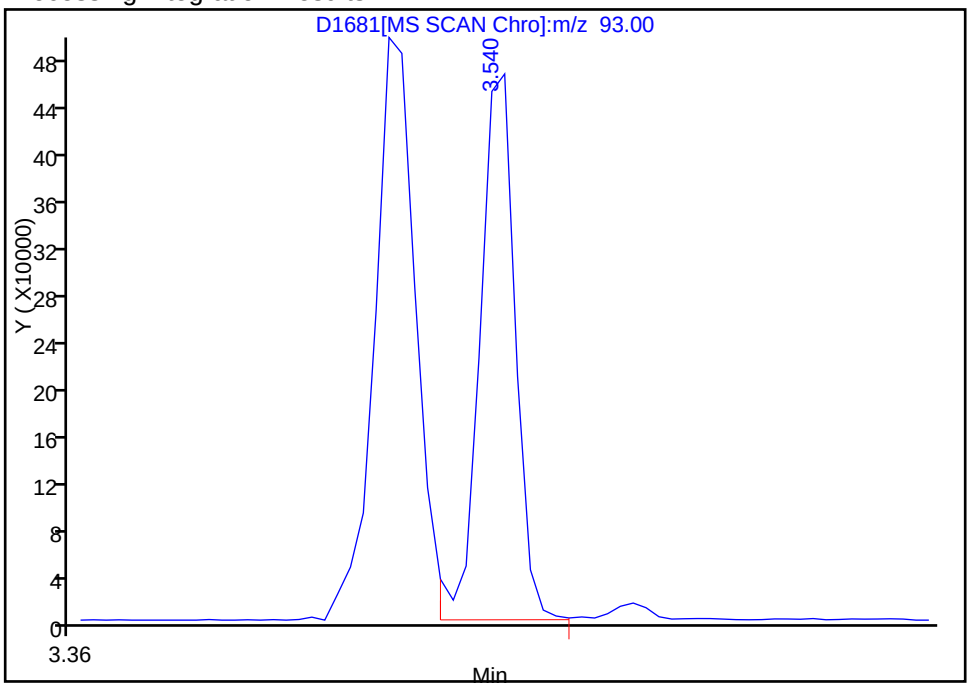
Manual Integration/User Assign Peak Report

Data File:	\\Valsvr08\ChromData\SMSA\20111001-5647.b\D1681.D		
Injection Date:	01-Oct-2011 20:40:30	Limit Group:	SMS - 1 - 8270 SVOA Calibration
Client ID:		Instrument ID:	SMSA
Lims Batch ID:	87497	Lims Sample ID:	2
Operator ID:	WDS	Injection Vol:	1.00 ul

36 Aniline, Signal: 1, m/z: 93.0 Type: quant, RT: 3.49

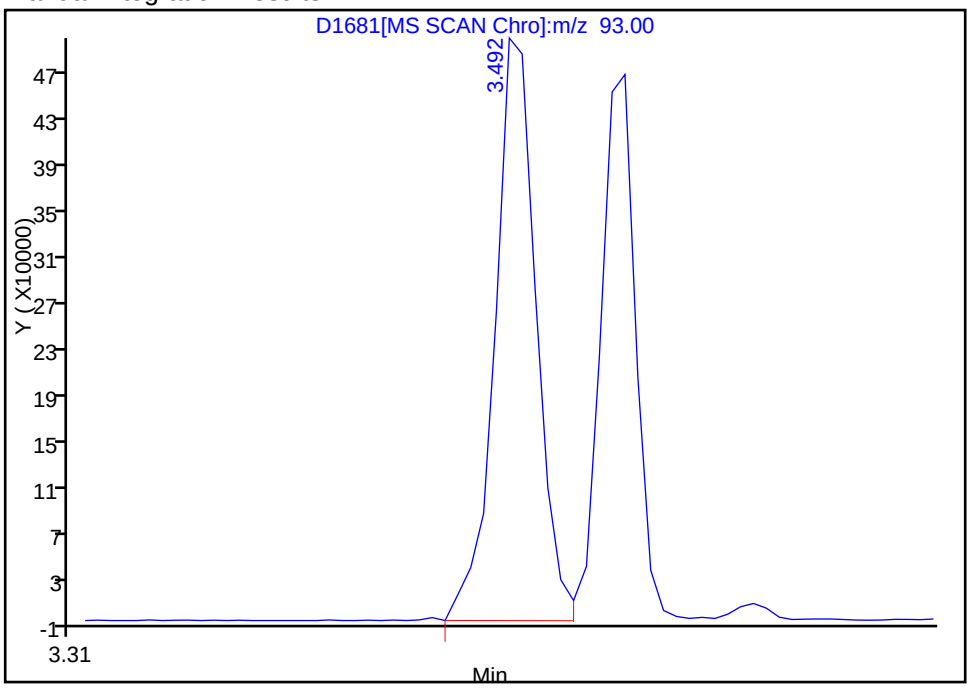
Processing Integration Results

RT: 3.54
Response: 478918
Amount: 51.885530



Manual Integration Results

RT: 3.49
Response: 591593
Amount: 63.396359



Reviewer: squiresb, 01-Oct-2011 20:58:39
Audit Action: Manually Integrated
Audit Reason: Assign Peak

TestAmerica Laboratories
Target Compound Quantitation Report

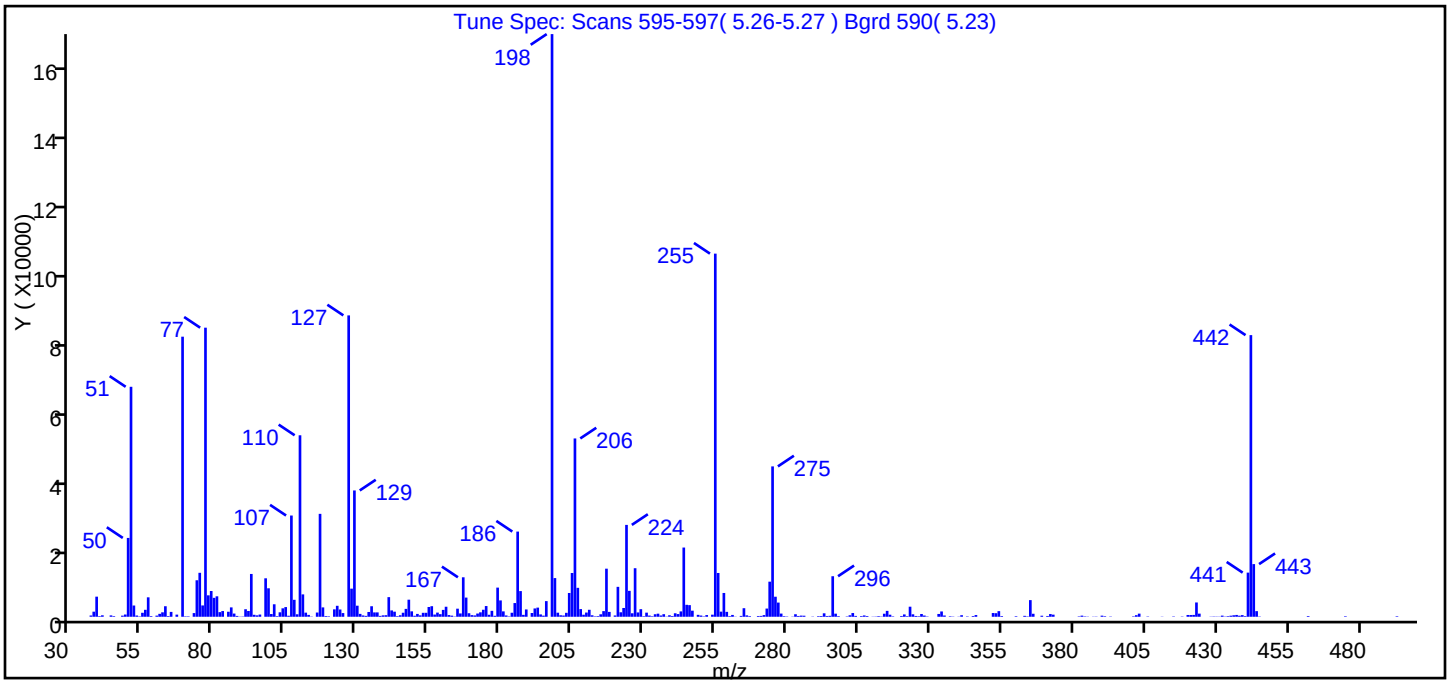
Data File:	\\Valsvr08\ChromData\SMSA\20110929-5628.b\D1600.D		
Lims ID:	dftpp	Client ID:	
Inject. Date:	29-Sep-2011 10:36:30	Dil. Factor:	1.0000
Sample Type:	DFTPP		
Sample ID:	DFTPP		
Misc. Info.:	510-0005628-001 =510-0005628-001		
Operator:	WDS	Instrument ID:	SMSA
Vol. Injected:	1.0000	ALS Bottle#:	1
Lims Batch ID:	87354	Lims Sample ID:	1
Detector:	MS SCAN		
Method:	\\Valsvr08\ChromData\SMSA\20110929-5628.b\8270C_SMSA.m		
Last Update:	29-Sep-2011 10:47:03	Calib Date:	14-Sep-2011 17:59:30
Quant Method:	Internal Standard	Quant By:	Initial Calibration
Last ICal File:	\\Valsvr08\ChromData\SMSA\20110914-5537.b\D1370.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:	29-Sep-2011 10:47:03

Compound	Sig	RT	EXP RT	DLT RT	Q	Response	On-Col Amt ug/ml	Flags
33 DFTPP								
23 4,4'-DDT	235	7.069	7.069	0.0	93	427760	0	

MS Tune Report

Data File:	\\Valsvr08\ChromData\SMSA\20110929-5628.b\D1600.D		
Injection Date:	29-Sep-2011 10:36:30	Limit Group:	SMS - 1 - 8270 SVOA Calibration
Client ID:		Instrument ID:	SMSA
Lims Batch ID:	87354	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	39.47
68	Less than 2.00% of mass 69	0.00 (0.00)
69	Present	48.07
70	Less than 2.00% of mass 69	0.08 (0.16)
127	40.00 - 60.00% of mass 198	51.72
197	Less than 1.00% of mass 198	0.00
199	5.00 - 9.00% of mass 198	6.64
275	10.00 - 30.00% of mass 198	25.81
365	Greater than 1.00% of mass 198	2.86
441	Present, but less than mass 443%	7.58 (83.83)
442	Greater than 40.00% of mass 198	48.34
443	17.00 - 23.00% of mass 442	9.04 (18.70)

Data File: \\Valsvr08\ChromData\SMSA\20110929-5628.b\D1600.D\8270C_SMSA.rslt\spectra.d
Injection Date: 29-Sep-2011 10:36:30
Spectrum: Tune Spec: Scans 595-597(5.26-5.27) Bgrd 590(5.23)
Base Peak: 198.00
Minimum % Base Peak: 0
Number of Points: 328

m/z	Y	m/z	Y	m/z	Y	m/z	Y
37.00	352	132.00	366	216.00	1566	312.00	175
38.00	1412	133.00	249	217.00	13337	313.00	76
39.00	5577	134.00	1328	218.00	1350	314.00	841
40.00	179	135.00	2920	220.00	359	315.00	1633
41.00	407	136.00	1210	221.00	8299	316.00	573
44.00	380	137.00	1211	222.00	1246	317.00	122
45.00	176	138.00	245	223.00	2437	320.00	219
48.00	311	139.00	394	224.00	25480	321.00	646
49.00	623	140.00	429	225.00	7191	322.00	167
50.00	21864	141.00	5444	226.00	970	323.00	2792
51.00	63784	142.00	1761	227.00	13466	324.00	682
52.00	3120	143.00	1412	228.00	1200	325.00	222
53.00	348	144.00	178	229.00	2105	326.00	145
54.00	113	145.00	420	230.00	153	327.00	769
55.00	1106	146.00	1115	231.00	1143	328.00	342
56.00	1932	147.00	2185	232.00	334	329.00	95
57.00	5393	148.00	4737	233.00	150	333.00	779
58.00	188	149.00	1507	234.00	700	334.00	1477
60.00	319	150.00	281	235.00	856	335.00	350
61.00	813	151.00	791	236.00	352	337.00	137
62.00	1235	152.00	392	237.00	713	338.00	72
63.00	2921	153.00	1097	238.00	67	340.00	56
64.00	197	154.00	1100	239.00	417	341.00	433
65.00	1350	155.00	2712	240.00	207	343.00	104
67.00	593	156.00	2931	241.00	972	345.00	205
69.00	77680	157.00	616	242.00	744	346.00	476
70.00	126	158.00	1154	243.00	1489	352.00	1038
71.00	122	159.00	721	244.00	19200	353.00	993
73.00	1022	160.00	1905	245.00	3315	354.00	1557
74.00	10125	161.00	2781	246.00	3228	355.00	197
75.00	12194	162.00	471	247.00	1689	360.00	162
76.00	3143	163.00	309	249.00	532	363.00	258
77.00	80176	164.00	83	250.00	340	364.00	110

Report Date: 29-Sep-2011 10:47:04 Chrom Revision: 1.2 13-Jul-2011 10:43:06
Data File: \\Valsvr08\ChromData\SMSA\20110929-5628.b\D1600.D\8270C_SMSA.rslt\spectra.d
Injection Date: 29-Sep-2011 10:36:30
Spectrum: Tune Spec: Scans 595-597(5.26-5.27) Bgrd 590(5.23)
Base Peak: 198.00
Minimum % Base Peak: 0
Number of Points: 328

m/z	Y	m/z	Y	m/z	Y	m/z	Y
78.00	5947	165.00	2242	251.00	109	365.00	4619
79.00	7143	166.00	922	252.00	472	366.00	834
80.00	5249	167.00	10950	254.00	577	369.00	290
81.00	5675	168.00	5320	255.00	100712	371.00	220
82.00	1286	169.00	984	256.00	12144	372.00	754
83.00	1589	170.00	452	257.00	1421	373.00	587
85.00	1393	171.00	372	258.00	6599	382.00	120
86.00	2603	172.00	896	259.00	1362	383.00	313
87.00	888	173.00	1234	260.00	178	384.00	109
88.00	235	174.00	1946	261.00	509	385.00	63
89.00	60	175.00	2974	262.00	53	387.00	53
90.00	84	176.00	552	264.00	240	388.00	66
91.00	2087	177.00	1645	265.00	2374	390.00	308
92.00	1605	178.00	266	266.00	386	391.00	157
93.00	11874	179.00	8087	267.00	179	393.00	83
94.00	547	180.00	4534	270.00	216	401.00	126
95.00	394	181.00	1496	271.00	241	402.00	437
96.00	615	182.00	363	272.00	461	403.00	867
98.00	10669	183.00	110	273.00	2276	404.00	6
99.00	7900	184.00	1114	274.00	9733	406.00	94
100.00	757	185.00	3801	275.00	41704	411.00	51
101.00	3466	186.00	23624	276.00	5560	415.00	102
102.00	176	187.00	7122	277.00	3935	418.00	82
103.00	1236	188.00	531	278.00	885	420.00	496
104.00	2345	189.00	2030	279.00	167	421.00	480
105.00	2684	191.00	1045	280.00	89	422.00	512
106.00	284	192.00	2305	282.00	64	423.00	3965
107.00	28080	193.00	2537	283.00	699	424.00	868
108.00	4707	194.00	654	284.00	223	428.00	53
109.00	689	195.00	314	285.00	321	429.00	82
110.00	50336	196.00	4342	286.00	292	430.00	69
111.00	6207	198.00	161600	289.00	68	431.00	57
112.00	1142	199.00	10728	291.00	172	432.00	317
113.00	519	200.00	1127	292.00	206	433.00	75

Report Date: 29-Sep-2011 10:47:04 Chrom Revision: 1.2 13-Jul-2011 10:43:06
Data File: \\Valsvr08\ChromData\SMSA\20110929-5628.b\D1600.D\8270C_SMSA.rslt\spectra.d
Injection Date: 29-Sep-2011 10:36:30
Spectrum: Tune Spec: Scans 595-597(5.26-5.27) Bgrd 590(5.23)
Base Peak: 198.00
Minimum % Base Peak: 0
Number of Points: 328

m/z	Y	m/z	Y	m/z	Y	m/z	Y
114.00	74	201.00	419	293.00	960	434.00	170
116.00	1176	202.00	348	294.00	217	435.00	300
117.00	28544	203.00	1094	295.00	262	436.00	417
118.00	2599	204.00	6595	296.00	11241	437.00	506
119.00	200	205.00	12140	297.00	856	438.00	299
120.00	140	206.00	49456	298.00	184	439.00	456
122.00	2058	207.00	8025	301.00	101	440.00	184
123.00	3043	208.00	2128	302.00	413	441.00	12244
124.00	2016	209.00	565	303.00	1036	442.00	78112
125.00	1024	210.00	1170	304.00	236	443.00	14606
127.00	83584	211.00	1939	306.00	195	444.00	1558
128.00	7801	212.00	411	307.00	367	445.00	88
129.00	35032	213.00	125	308.00	206	462.00	196
130.00	3071	214.00	182	310.00	53	475.00	151
131.00	801	215.00	687	311.00	73	493.00	153

TestAmerica Laboratories
Target Compound Quantitation Report

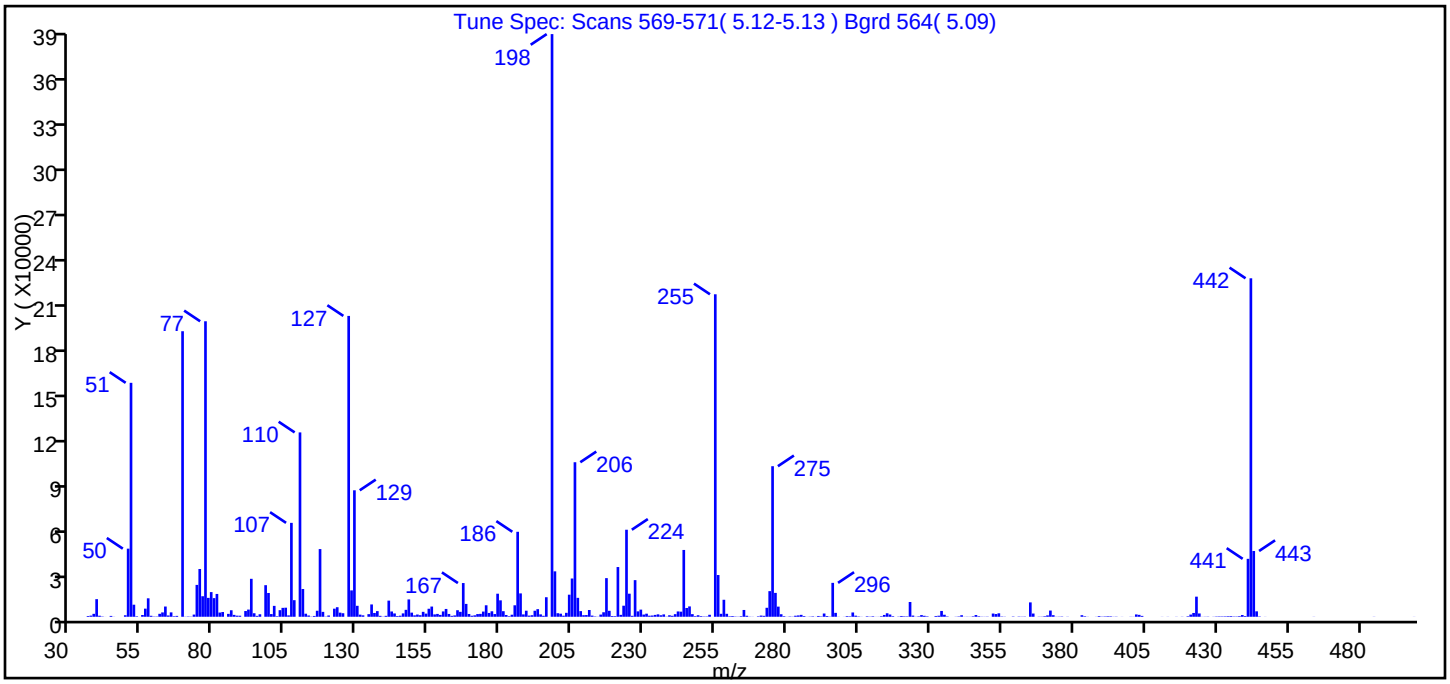
Data File:	\\Valsvr08\ChromData\SMSA\20111001-5647.b\D1680.D		
Lims ID:	dftpp	Client ID:	
Inject. Date:	01-Oct-2011 20:25:30	Dil. Factor:	1.0000
Sample Type:	DFTPP		
Sample ID:	DFTPP		
Misc. Info.:	510-0005647-001 =510-0005647-001		
Operator:	WDS	Instrument ID:	SMSA
Vol. Injected:	1.0000	ALS Bottle#:	1
Lims Batch ID:	87497	Lims Sample ID:	1
Detector:	MS SCAN		
Method:	\\Valsvr08\ChromData\SMSA\20111001-5647.b\8270C_SMSA.m		
Last Update:	01-Oct-2011 20:36:23	Calib Date:	29-Sep-2011 13:43:30
Quant Method:	Internal Standard	Quant By:	Initial Calibration
Last ICal File:	\\Valsvr08\ChromData\SMSA\20110929-5628.b\D1610.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:	01-Oct-2011 20:36:23

Compound	Sig	RT	EXP RT	DLT RT	Q	Response	On-Col Amt ug/ml	Flags
33 DFTPP								
23 4,4'-DDT	235	6.920	6.920	0.0	92	958007	0	

MS Tune Report

Data File:	\\Valsvr08\ChromData\SMSA\20111001-5647.b\D1680.D		
Injection Date:	01-Oct-2011 20:25:30	Limit Group:	SMS - 1 - 8270 SVOA Calibration
Client ID:		Instrument ID:	SMSA
Lims Batch ID:	87497	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	40.15
68	Less than 2.00% of mass 69	0.00 (0.00)
69	Present	49.01
70	Less than 2.00% of mass 69	0.03 (0.06)
127	40.00 - 60.00% of mass 198	51.63
197	Less than 1.00% of mass 198	0.00
199	5.00 - 9.00% of mass 198	7.80
275	10.00 - 30.00% of mass 198	25.84
365	Greater than 1.00% of mass 198	2.47
441	Present, but less than mass 443%	9.94 (88.08)
442	Greater than 40.00% of mass 198	58.09
443	17.00 - 23.00% of mass 442	11.29 (19.43)

Data File: \\Valsvr08\ChromData\SMSA\20111001-5647.b\D1680.D\8270C_SMSA.rslt\spectra.d
Injection Date: 01-Oct-2011 20:25:30
Spectrum: Tune Spec: Scans 569-571(5.12-5.13) Bgrd 564(5.09)
Base Peak: 198.00
Minimum % Base Peak: 0
Number of Points: 363

m/z	Y	m/z	Y	m/z	Y	m/z	Y
36.00	518	140.00	617	232.00	723	328.00	650
37.00	768	141.00	10789	233.00	836	329.00	304
38.00	1964	142.00	3538	234.00	1245	332.00	529
39.00	11778	143.00	2219	235.00	1614	333.00	693
40.00	694	144.00	486	236.00	1019	334.00	3889
41.00	218	145.00	719	237.00	1578	335.00	1341
42.00	24	146.00	2259	238.00	130	336.00	261
44.00	571	147.00	4639	239.00	1007	339.00	102
45.00	67	148.00	11598	240.00	656	340.00	250
49.00	1006	149.00	2760	241.00	1737	341.00	1028
50.00	45536	150.00	959	242.00	3558	342.00	71
51.00	156416	151.00	1487	243.00	3409	343.00	102
52.00	8065	152.00	1035	244.00	44672	344.00	83
53.00	337	153.00	3300	245.00	5877	345.00	320
55.00	1175	154.00	2101	246.00	6925	346.00	1162
56.00	5432	155.00	5364	247.00	1751	347.00	368
57.00	12343	156.00	6829	248.00	413	348.00	120
58.00	659	157.00	1586	249.00	1015	349.00	94
59.00	190	158.00	1901	250.00	436	350.00	144
60.00	196	159.00	1239	251.00	212	352.00	2153
61.00	1976	160.00	3568	252.00	227	353.00	1822
62.00	2913	161.00	5227	253.00	1333	354.00	2316
63.00	6845	162.00	1881	255.00	215616	355.00	209
64.00	866	163.00	616	256.00	27912	356.00	116
65.00	2937	164.00	895	257.00	1982	359.00	211
66.00	371	165.00	4376	258.00	11363	361.00	189
67.00	591	166.00	3299	259.00	1984	362.00	127
69.00	190912	167.00	22544	260.00	334	363.00	164
70.00	111	168.00	8597	261.00	476	365.00	9614
71.00	210	169.00	1867	262.00	197	366.00	2164
72.00	143	170.00	688	263.00	120	368.00	124
73.00	1462	171.00	960	264.00	391	369.00	133
74.00	21304	172.00	1806	265.00	4548	370.00	373

Report Date: 01-Oct-2011 20:36:23 Chrom Revision: 1.2 13-Jul-2011 10:43:06
Data File: \\Valsvr08\ChromData\SMSA\20111001-5647.b\D1680.D\8270C_SMSA.rslt\spectra.d
Injection Date: 01-Oct-2011 20:25:30
Spectrum: Tune Spec: Scans 569-571(5.12-5.13) Bgrd 564(5.09)
Base Peak: 198.00
Minimum % Base Peak: 0
Number of Points: 363

m/z	Y	m/z	Y	m/z	Y	m/z	Y
75.00	31936	173.00	1929	266.00	671	371.00	906
76.00	13727	174.00	3474	267.00	110	372.00	4157
77.00	197568	175.00	7681	268.00	73	373.00	1047
78.00	12633	176.00	2555	270.00	316	374.00	87
79.00	16496	177.00	3669	271.00	799	375.00	123
80.00	12462	178.00	1807	272.00	628	376.00	198
81.00	15254	179.00	15418	273.00	6007	378.00	97
82.00	2821	180.00	10980	274.00	17136	383.00	1044
83.00	3174	181.00	3728	275.00	100664	384.00	358
85.00	1938	182.00	1176	276.00	15961	385.00	79
86.00	4353	183.00	391	277.00	6777	388.00	71
87.00	1257	184.00	1365	278.00	1691	389.00	462
88.00	741	185.00	7674	279.00	390	390.00	154
89.00	706	186.00	56816	280.00	52	391.00	243
91.00	3833	187.00	15627	281.00	216	392.00	357
92.00	4807	188.00	1587	282.00	129	393.00	328
93.00	25376	189.00	4050	283.00	696	394.00	90
94.00	2353	190.00	778	284.00	886	395.00	137
95.00	615	191.00	1024	285.00	1281	397.00	53
96.00	1670	192.00	4032	286.00	456	400.00	97
98.00	21120	193.00	5093	287.00	51	401.00	74
99.00	15905	194.00	1598	288.00	139	402.00	1559
100.00	1799	195.00	648	289.00	284	403.00	1277
101.00	7285	196.00	13064	290.00	59	404.00	581
102.00	370	198.00	389568	291.00	532	411.00	58
103.00	4408	199.00	30368	292.00	257	413.00	72
104.00	5961	200.00	2377	293.00	2174	416.00	83
105.00	6063	201.00	2063	294.00	515	418.00	101
106.00	934	202.00	730	295.00	149	420.00	346
107.00	62792	203.00	2636	296.00	22672	421.00	1453
108.00	11089	204.00	14756	297.00	2613	422.00	2543
110.00	123264	205.00	25584	298.00	82	423.00	13442
111.00	18568	206.00	103320	300.00	54	424.00	2215
112.00	2040	207.00	12648	301.00	448	425.00	59

Report Date: 01-Oct-2011 20:36:23 Chrom Revision: 1.2 13-Jul-2011 10:43:06
Data File: \\Valsvr08\ChromData\SMSA\20111001-5647.b\D1680.D\8270C_SMSA.rslt\spectra.d
Injection Date: 01-Oct-2011 20:25:30
Spectrum: Tune Spec: Scans 569-571(5.12-5.13) Bgrd 564(5.09)
Base Peak: 198.00
Minimum % Base Peak: 0
Number of Points: 363

m/z	Y	m/z	Y	m/z	Y	m/z	Y
113.00	845	208.00	3769	302.00	310	426.00	102
114.00	147	209.00	1055	303.00	2875	427.00	147
115.00	546	210.00	1144	304.00	732	429.00	91
116.00	4019	211.00	4525	305.00	256	430.00	222
117.00	45264	212.00	773	306.00	73	431.00	267
118.00	3273	213.00	244	308.00	342	432.00	248
119.00	146	214.00	92	309.00	144	433.00	290
120.00	856	215.00	1451	310.00	341	434.00	391
122.00	5410	216.00	3013	311.00	54	435.00	453
123.00	6384	217.00	25832	312.00	75	436.00	214
124.00	2744	218.00	3995	313.00	369	437.00	216
125.00	2364	219.00	508	314.00	1209	438.00	430
127.00	201152	220.00	427	315.00	2344	439.00	1164
128.00	17632	221.00	33248	316.00	1502	440.00	478
129.00	84560	222.00	1275	317.00	405	441.00	38736
130.00	7331	223.00	7394	319.00	156	442.00	226304
131.00	1419	224.00	58192	320.00	525	443.00	43976
132.00	956	225.00	15429	321.00	308	444.00	3634
134.00	1750	226.00	640	322.00	273	445.00	244
135.00	8244	227.00	24488	323.00	9877	447.00	56
136.00	2544	228.00	3612	324.00	787	464.00	69
137.00	3774	229.00	4776	325.00	87	485.00	80
138.00	620	230.00	1479	326.00	287	499.00	51
139.00	114	231.00	2059	327.00	1118		

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Valparaiso | Job No.: 510-70378-1

SDG No.: 0058-373-01

Client Sample ID: | Lab Sample ID: MB 510-87346/1-A

Matrix: Solid | Lab File ID: D1683.D

Analysis Method: 8270C | Date Collected:

Extract. Method: 3541 | Date Extracted: 09/29/2011 08:23

Sample wt/vol: 30(g) | Date Analyzed: 10/01/2011 21:17

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.: 87497 | 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.: 510-70378-1

SDG No.: 0058-373-01

Client Sample ID: | Lab Sample ID: MB 510-87346/1-A

Matrix: Solid | Lab File ID: D1683.D

Analysis Method: 8270C | Date Collected:

Extract. Method: 3541 | Date Extracted: 09/29/2011 08:23

Sample wt/vol: 30(g) | Date Analyzed: 10/01/2011 21:17

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.: 87497 | 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	62		14-104
367-12-4	2-Fluorophenol	66		10-102
4165-60-0	Nitrobenzene-d5	64		10-105
4165-62-2	Phenol-d5	77		10-94
1718-51-0	Terphenyl-d14	66		31-119
118-79-6	2,4,6-Tribromophenol	62		10-128

TestAmerica Laboratories
Target Compound Quantitation Report

Data File:	\\Valsvr08\ChromData\SMSA\20111001-5647.b\D1683.D		
Lims ID:	MB 510-87346/1-A	Client ID:	
Inject. Date:	01-Oct-2011 21:17:30	Dil. Factor:	1.0000
Sample Type:	MB		
Sample ID:	MB 87346		
Misc. Info.:	510-0005647-004 =510-0005647-004		
Operator:	WDS	Instrument ID:	SMSA
Vol. Injected:	1.0000	ALS Bottle#:	4
Lims Batch ID:	87497	Lims Sample ID:	4
Detector:	MS SCAN		
Method:	\\Valsvr08\ChromData\SMSA\20111001-5647.b\8270C_SMSA.m		
Last Update:	01-Oct-2011 21:49:54	Calib Date:	29-Sep-2011 13:43:30
Quant Method:	Internal Standard	Quant By:	Initial Calibration
Last ICal File:	\\Valsvr08\ChromData\SMSA\20110929-5628.b\D1610.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:	01-Oct-2011 22:06:50

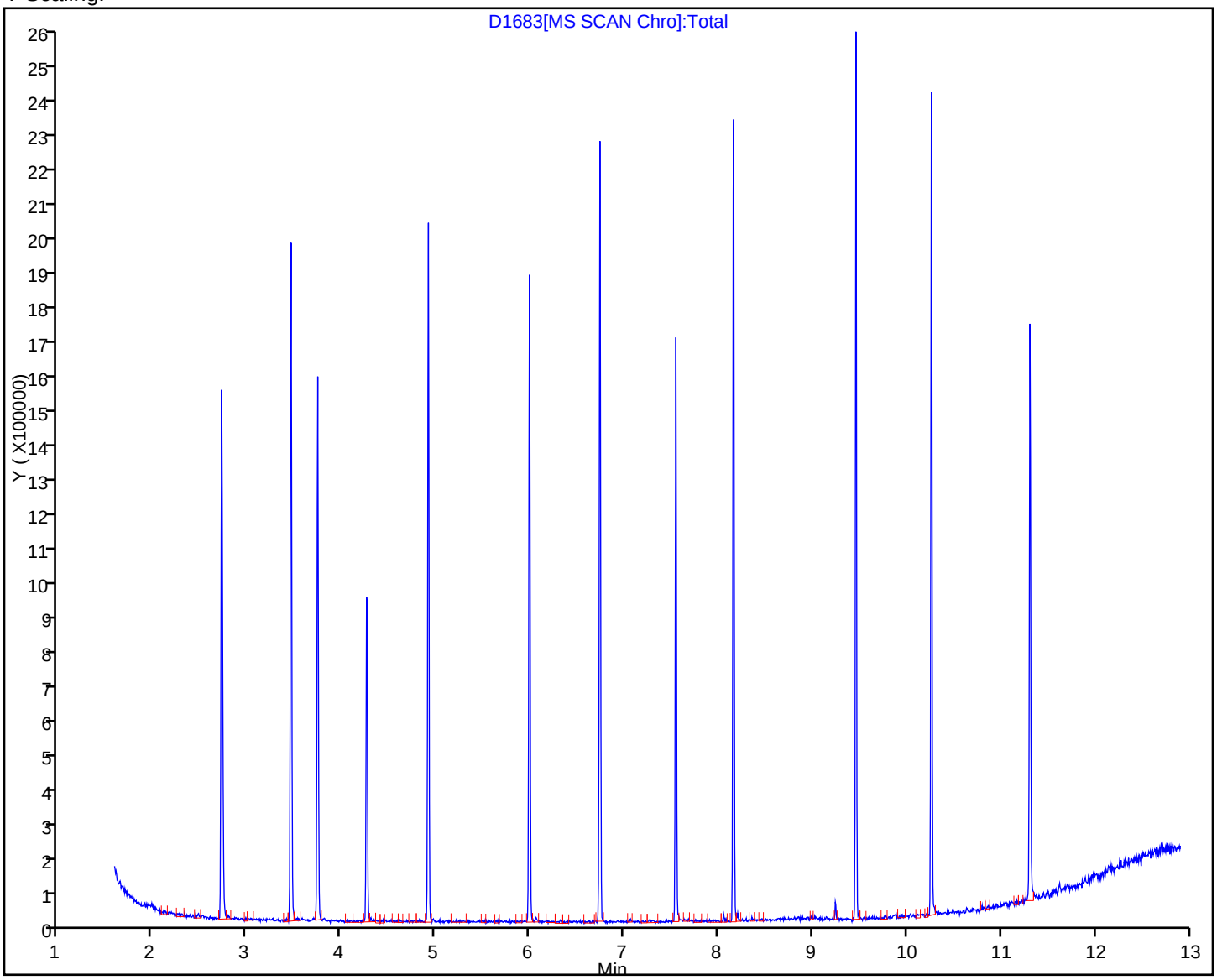
Compound	Sig	RT	EXP RT	DLT RT	Q	Response	On-Col Amt ug/ml	Flags
$ 32 2-Fluorophenol	112	2.723	2.728	-0.005	92	506543	65.9	
$ 34 Phenol-d5	99	3.460	3.465	-0.005	0	665132	76.9	
* 40 1,4-Dichlorobenzene-d4	152	3.743	3.743	0.0	97	243640	40.0	
$ 49 Nitrobenzene-d5	82	4.261	4.267	-0.006	87	319658	31.9	
* 57 Naphthalene-d8	136	4.919	4.919	0.0	99	797544	40.0	
$ 66 2-Fluorobiphenyl	172	5.992	5.992	0.0	99	562563	31.2	
* 73 Acenaphthene-d10	164	6.740	6.746	-0.006	94	490006	40.0	
$ 86 2,4,6-Tribromophenol	141	7.547	7.552	-0.005	77	66227	62.0	
* 90 Phenanthrene-d10	188	8.161	8.161	0.0	99	727365	40.0	
$ 98 Terphenyl-d14	244	9.459	9.459	0.0	97	564135	32.9	
* 103 Chrysene-d12	240	10.261	10.261	0.0	96	683299	40.0	
* 109 Perylene-d12	264	11.308	11.297	0.011	96	526992	40.0	

Report Date: 01-Oct-2011 22:06:50 Chrom Revision: 1.2 13-Jul-2011 10:43:06

Data File: \\Valsvr08\ChromData\SMSA\20111001-5647.b\D1683.D

Injection Date:	01-Oct-2011 21:17:30	Limit Group:	SMS - 1 - 8270 SVOA Calibration
Client ID:		Instrument ID:	SMSA
Lims Batch ID:	87497	Lims Sample ID:	4
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.: 510-70378-1

SDG No.: 0058-373-01

Client Sample ID: | Lab Sample ID: LCS 510-87346/2-A

Matrix: Solid | Lab File ID: D1684.D

Analysis Method: 8270C | Date Collected:

Extract. Method: 3541 | Date Extracted: 09/29/2011 08:23

Sample wt/vol: 30(g) | Date Analyzed: 10/01/2011 21:35

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.: 87497 | 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	1.35		0.33	0.042
111-91-1	Bis(2-chloroethoxy)methane	1.19		0.33	0.032
111-44-4	Bis(2-chloroethyl)ether	1.22		0.33	0.060
39638-32-9	Bis(2-chloroisopropyl) ether	1.29		0.33	0.056
117-81-7	Bis(2-ethylhexyl) phthalate	1.38		0.66	0.10
101-55-3	4-Bromophenyl phenyl ether	1.30		0.33	0.047
85-68-7	Butyl benzyl phthalate	1.41		0.33	0.040
86-74-8	Carbazole	1.59		0.33	0.048
59-50-7	4-Chloro-3-methylphenol	1.05		0.33	0.041
91-58-7	2-Chloronaphthalene	1.33		0.33	0.031
95-57-8	2-Chlorophenol	1.31		0.33	0.060
7005-72-3	4-Chlorophenyl phenyl ether	1.25		0.33	0.031
132-64-9	Dibenzofuran	1.37		0.33	0.020
84-74-2	Dibutylphthalate	1.58		0.33	0.15
95-50-1	1,2-Dichlorobenzene	1.10		0.33	0.070
541-73-1	1,3-Dichlorobenzene	1.43		0.33	0.075
106-46-7	1,4-Dichlorobenzene	1.13		0.33	0.076
91-94-1	3,3'-Dichlorobenzidine	1.68		0.66	0.031
120-83-2	2,4-Dichlorophenol	1.42		0.33	0.042
84-66-2	Diethyl phthalate	1.33		0.33	0.035
105-67-9	2,4-Dimethylphenol	1.05		0.33	0.038
131-11-3	Dimethyl phthalate	1.33		0.33	0.031
534-52-1	4,6-Dinitro-2-methylphenol	1.53		0.66	0.065
51-28-5	2,4-Dinitrophenol	<1.7		1.7	0.025
121-14-2	2,4-Dinitrotoluene	1.41		0.33	0.060
606-20-2	2,6-Dinitrotoluene	1.30		0.33	0.051
117-84-0	Di-n-octyl phthalate	1.71		0.33	0.031
118-74-1	Hexachlorobenzene	1.38		0.33	0.020
87-68-3	Hexachloro-1,3-butadiene	0.800		0.33	0.047
77-47-4	Hexachlorocyclopentadiene	0.737		0.33	0.10
67-72-1	Hexachloroethane	1.04		0.33	0.069
78-59-1	Isophorone	1.13		0.33	0.030
91-57-6	2-Methylnaphthalene	1.05		0.33	0.027

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Valparaiso | Job No.: 510-70378-1

SDG No.: 0058-373-01

Client Sample ID: | Lab Sample ID: LCS 510-87346/2-A

Matrix: Solid | Lab File ID: D1684.D

Analysis Method: 8270C | Date Collected:

Extract. Method: 3541 | Date Extracted: 09/29/2011 08:23

Sample wt/vol: 30(g) | Date Analyzed: 10/01/2011 21:35

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.: 87497 | Units: mg/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
95-48-7	2-Methylphenol	1.25		0.33	0.043
15831-10-4	3 & 4 Methylphenol	1.26		0.33	0.036
88-74-4	2-Nitroaniline	1.39		0.66	0.066
99-09-2	3-Nitroaniline	1.46		0.66	0.068
100-01-6	4-Nitroaniline	1.68		0.66	0.060
98-95-3	Nitrobenzene	1.10		0.33	0.044
88-75-5	2-Nitrophenol	1.14		0.33	0.056
100-02-7	4-Nitrophenol	<1.7		1.7	0.081
62-75-9	N-Nitrosodimethylamine	1.51		0.33	0.065
621-64-7	N-Nitrosodi-n-propylamine	1.09		0.33	0.032
86-30-6	N-Nitrosodiphenylamine	1.41		0.33	0.063
106-47-8	p-Chloroaniline	1.24		0.33	0.032
87-86-5	Pentachlorophenol	1.46		0.66	0.059
108-95-2	Phenol	1.41		0.33	0.053
120-82-1	1,2,4-Trichlorobenzene	0.967		0.33	0.043
95-95-4	2,4,5-Trichlorophenol	1.24		0.33	0.086
88-06-2	2,4,6-Trichlorophenol	1.29		0.33	0.092

CAS NO.	SURROGATE	%REC	Q	LIMITS
321-60-8	2-Fluorobiphenyl	66		14-104
367-12-4	2-Fluorophenol	75		10-102
4165-60-0	Nitrobenzene-d5	58		10-105
4165-62-2	Phenol-d5	79		10-94
1718-51-0	Terphenyl-d14	64		31-119
118-79-6	2,4,6-Tribromophenol	66		10-128

TestAmerica Laboratories
Target Compound Quantitation Report

Data File: \\Valsvr08\ChromData\SMSA\20111001-5647.b\D1684.D
Lims ID: LCS 510-87346/2-A Client ID:
Inject. Date: 01-Oct-2011 21:35:30 Dil. Factor: 1.0000
Sample Type: LCS
Sample ID: LCS 87346
Misc. Info.: 510-0005647-005 =510-0005647-005
Operator: WDS Instrument ID: SMSA
Vol. Injected: 1.0000 ALS Bottle#: 5
Lims Batch ID: 87497 Lims Sample ID: 5
Detector: MS SCAN

Method: \\Valsvr08\ChromData\SMSA\20111001-5647.b\8270C_SMSA.m
Last Update: 01-Oct-2011 22:08:22 Calib Date: 29-Sep-2011 13:43:30
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\Valsvr08\ChromData\SMSA\20110929-5628.b\D1610.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: 01-Oct-2011 22:08:22

Compound	Sig	RT	EXP RT	DLT RT	Q	Response	On-Col Amt ug/ml	Flags
30 N-Nitrosodimethylamine	74	1.863	1.863	0.0	97	193709	45.3	
31 Pyridine	79	1.879	1.879	0.0	96	287695	37.0	
$ 32 2-Fluorophenol	112	2.723	2.728	-0.005	92	467791	75.0	
$ 34 Phenol-d5	99	3.460	3.465	-0.005	0	551935	78.6	
35 Phenol	94	3.471	3.476	-0.005	90	326047	42.2	
36 Aniline	93	3.492	3.492	0.0	0	334794	51.2	M
37 Bis(2-chloroethyl)ether	93	3.535	3.540	-0.005	96	212174	36.6	
38 2-Chlorophenol	128	3.589	3.594	-0.006	95	235473	39.2	
39 1,3-Dichlorobenzene	146	3.711	3.717	-0.006	93	242419	42.9	
* 40 1,4-Dichlorobenzene-d4	152	3.743	3.743	0.0	81	197613	40.0	
41 1,4-Dichlorobenzene	146	3.759	3.759	0.0	89	243753	33.8	
42 Benzyl alcohol	108	3.877	3.882	-0.005	78	133352	40.4	
43 1,2-Dichlorobenzene	146	3.925	3.925	0.0	91	223305	32.9	
44 2-Methylphenol	108	3.995	4.000	-0.005	97	194530	37.4	
10 2,2'-oxybis(2-chloropropane)	45	4.021	4.021	0.0	62	186873	38.6	
45 Acetophenone	105	4.123	4.128	-0.005	86	223956	30.0	
47 3 & 4 Methylphenol	108	4.128	4.133	-0.005	0	203083	37.8	
46 N-Nitrosodi-n-propylamine	70	4.144	4.149	-0.005	97	143881	32.8	
48 Hexachloroethane	117	4.203	4.203	0.0	92	95222	31.2	
$ 49 Nitrobenzene-d5	82	4.267	4.267	0.0	85	215848	29.1	
50 Nitrobenzene	77	4.283	4.283	0.0	84	217221	33.1	
51 Isophorone	82	4.491	4.497	-0.005	93	348774	34.0	
52 2-Nitrophenol	139	4.577	4.582	-0.005	97	110708	34.2	
53 2,4-Dimethylphenol	107	4.620	4.625	-0.005	57	202145	31.4	
54 Bis(2-chloroethoxy)methane	93	4.705	4.710	-0.005	97	219935	35.8	
5 Benzoic acid	105	4.705	4.737	-0.032	43	102892	24.5	
55 2,4-Dichlorophenol	162	4.801	4.801	0.0	95	159130	42.5	
56 1,2,4-Trichlorobenzene	180	4.881	4.881	0.0	90	166146	29.0	
* 57 Naphthalene-d8	136	4.919	4.919	0.0	96	589334	40.0	
58 Naphthalene	128	4.940	4.940	0.0	98	553085	33.6	
59 4-Chloroaniline	127	5.010	5.015	-0.005	83	215450	37.1	

Compound	Sig	RT	EXP RT	DLT RT	Q	Response	On-Col Amt ug/ml	Flags
60 Hexachlorobutadiene	225	5.116	5.116	0.0	91	105925	24.0	
61 4-Chloro-3-methylphenol	107	5.485	5.490	-0.005	96	170900	31.5	
62 2-Methylnaphthalene	141	5.603	5.602	0.001	86	289871	31.4	
63 Hexachlorocyclopentadiene	237	5.827	5.827	0.0	93	53236	22.1	
64 2,4,6-Trichlorophenol	196	5.912	5.918	-0.006	90	113600	38.6	
65 2,4,5-Trichlorophenol	196	5.955	5.960	-0.005	94	115755	37.3	
$ 66 2-Fluorobiphenyl	172	5.993	5.992	0.001	80	330227	33.2	
67 2-Chloronaphthalene	162	6.094	6.099	-0.005	97	318811	39.9	
68 2-Nitroaniline	65	6.254	6.254	0.0	82	109720	41.7	
69 Dimethyl phthalate	163	6.500	6.505	-0.005	97	342077	40.0	
70 2,6-Dinitrotoluene	165	6.569	6.575	-0.006	64	88762	39.0	
71 Acenaphthylene	152	6.575	6.575	0.0	92	475691	42.0	
72 3-Nitroaniline	138	6.719	6.724	-0.005	89	90397	43.7	
* 73 Acenaphthene-d10	164	6.740	6.746	-0.006	91	270647	40.0	
74 Acenaphthene	153	6.778	6.778	0.0	85	300583	40.3	
75 2,4-Dinitrophenol	184	6.831	6.831	0.0	82	43750	32.1	
78 4-Nitrophenol	109	6.917	6.922	-0.005	92	54817	32.4	
77 Dibenzofuran	168	6.943	6.949	-0.006	83	430494	41.1	
76 2,4-Dinitrotoluene	165	6.992	6.991	0.001	85	119075	42.3	
79 Diethyl phthalate	149	7.253	7.258	-0.005	98	325849	40.0	
80 Fluorene	166	7.296	7.296	0.0	82	367818	40.5	
81 4-Chlorophenyl phenyl ether	204	7.301	7.301	0.0	85	180128	37.6	
82 4-Nitroaniline	138	7.355	7.360	-0.005	76	95577	50.3	
83 4,6-Dinitro-2-methylphenol	198	7.398	7.403	-0.005	86	81580	45.8	
84 N-Nitrosodiphenylamine	169	7.424	7.429	-0.005	98	309889	42.4	
85 1,2-Diphenylhydrazine	77	7.451	7.456	-0.005	75	362681	42.4	
$ 86 2,4,6-Tribromophenol	141	7.547	7.552	-0.005	79	38948	66.0	
87 4-Bromophenyl phenyl ether	248	7.766	7.766	0.0	58	103196	39.1	
88 Hexachlorobenzene	284	7.894	7.900	-0.006	83	102815	41.3	
89 Pentachlorophenol	266	8.060	8.060	0.0	82	77874	43.8	
* 90 Phenanthrene-d10	188	8.161	8.161	0.0	98	416779	40.0	
91 Phenanthrene	178	8.177	8.183	-0.006	87	492871	42.7	
92 Anthracene	178	8.220	8.220	0.0	95	503692	43.8	
93 Carbazole	167	8.364	8.364	0.0	72	493369	47.8	
94 Di-n-butyl phthalate	149	8.701	8.706	-0.005	98	511014	47.3	
95 Fluoranthene	202	9.160	9.166	-0.006	99	591432	47.7	
96 Benzidine	184	9.267	9.272	-0.005	93	246819	43.8	
97 Pyrene	202	9.337	9.337	0.0	94	595301	40.0	
$ 98 Terphenyl-d14	244	9.460	9.459	0.001	97	341112	32.1	
99 Butyl benzyl phthalate	149	9.844	9.849	-0.005	96	260685	42.2	
100 3,3'-Dichlorobenzidine	252	10.229	10.239	-0.010	99	190332	50.4	
101 Benzo[a]anthracene	228	10.245	10.250	-0.005	99	545857	40.7	
* 103 Chrysene-d12	240	10.256	10.261	-0.005	95	423903	40.0	
104 Chrysene	228	10.277	10.282	-0.005	82	533599	41.8	
102 Bis(2-ethylhexyl) phthalate	149	10.288	10.288	0.0	93	303282	41.3	
105 Di-n-octyl phthalate	149	10.726	10.726	0.0	99	479730	51.3	
106 Benzo[b]fluoranthene	252	11.030	11.035	-0.005	95	528220	50.8	
107 Benzo[k]fluoranthene	252	11.046	11.051	-0.005	73	564422	52.8	M
108 Benzo[a]pyrene	252	11.260	11.260	0.0	77	448967	51.8	
* 109 Perylene-d12	264	11.297	11.297	0.0	95	303540	40.0	s
111 Dibenz(a,h)anthracene	278	11.992	11.992	0.0	56	345435	47.4	
110 Indeno[1,2,3-cd]pyrene	276	11.992	11.992	0.0	90	467509	52.3	

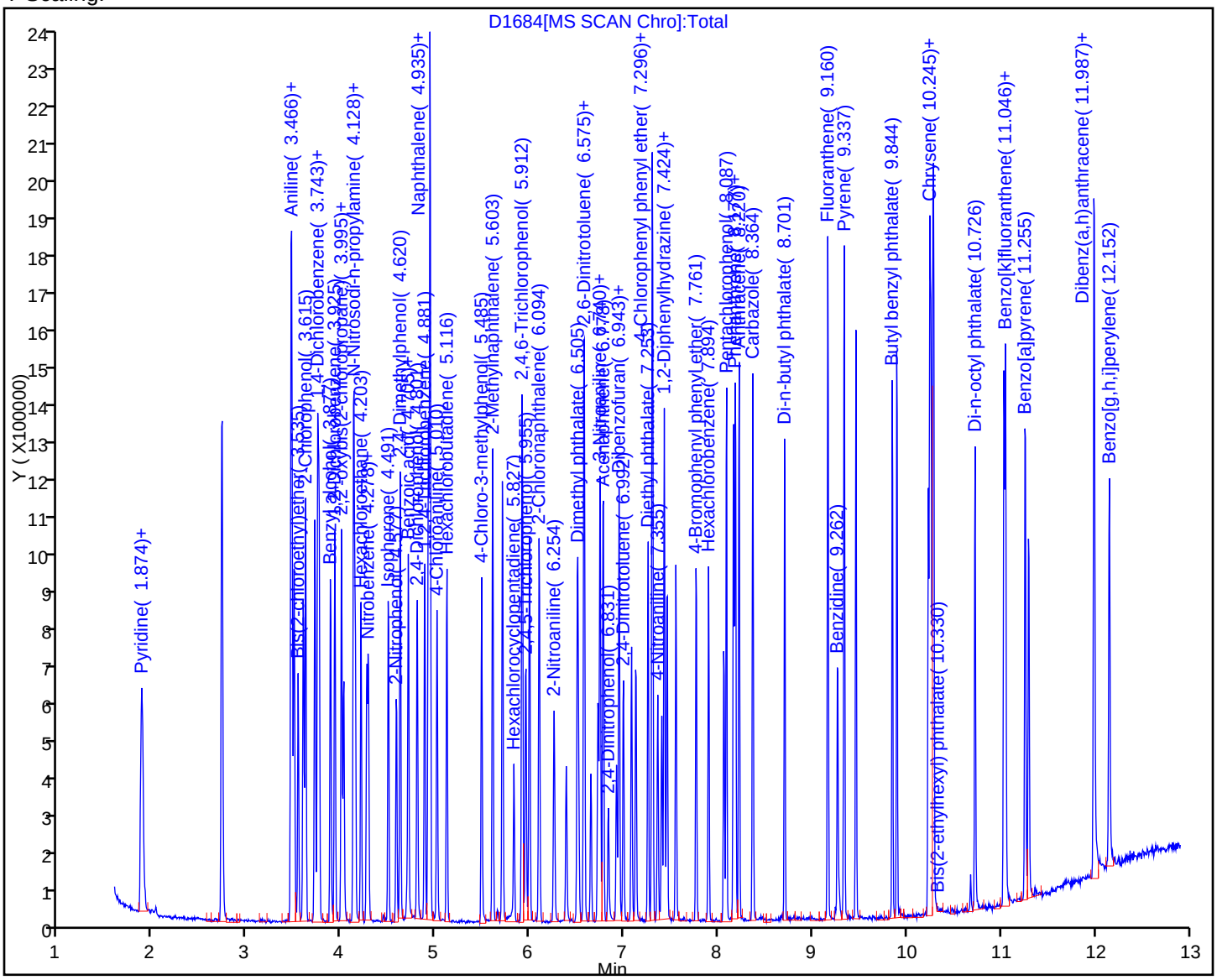
Compound	Sig	RT	EXP RT	DLT RT	Q	Response	On-Col Amt ug/ml	Flags
24 Benzo[g,h,i]perylene	276	12.152	12.157	-0.005	92	400833	53.3	

QC Flag Legend

Processing Flags
s - Failed ISTD Recovery Test

Review Flags
M - Manually Integrated

Report Date: 01-Oct-2011 22:08:22 Chrom Revision: 1.2 13-Jul-2011 10:43:06
Data File: \\Valsvr08\ChromData\SMSA\20111001-5647.b\D1684.D
Injection Date: 01-Oct-2011 21:35:30 Limit Group: SMS - 1 - 8270 SVOA Calibration
Client ID: Instrument ID: SMSA
Lims Batch ID: 87497 Lims Sample ID: 5
Operator ID: WDS Injection Vol: 1.00 ul
Y Scaling:



GC/MS SEMI VOA ANALYSIS RUN LOG

Lab Name: TestAmerica Valparaiso Job No.: 510-70378-1

SDG No.: 0058-373-01

Instrument ID: SMSA Start Date: 09/29/2011 10:36

Analysis Batch Number: 87354 End Date: 09/29/2011 20:42

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
DFTPP 510-87354/1		09/29/2011 10:36	1	D1600.D	8270/625 0.25(mm)
SSTD005 510-87354/2 IC		09/29/2011 10:51	1	D1601.D	8270/625 0.25(mm)
SSTD010 510-87354/3 IC		09/29/2011 11:10	1	D1602.D	8270/625 0.25(mm)
SSTD020 510-87354/4 IC		09/29/2011 11:29	1	D1603.D	8270/625 0.25(mm)
SSTD030 510-87354/5 IC		09/29/2011 11:48	1	D1604.D	8270/625 0.25(mm)
SSTD040 510-87354/6 IC		09/29/2011 12:07	1	D1605.D	8270/625 0.25(mm)
SSTD050 510-87354/7 ICIS		09/29/2011 12:26	1	D1606.D	8270/625 0.25(mm)
SSTD060 510-87354/8 IC		09/29/2011 12:46	1	D1607.D	8270/625 0.25(mm)
SSTD080 510-87354/9 IC		09/29/2011 13:05	1	D1608.D	8270/625 0.25(mm)
SSTD100 510-87354/10 IC		09/29/2011 13:24	1	D1609.D	8270/625 0.25(mm)
SSTD120 510-87354/11 IC		09/29/2011 13:43	1	D1610.D	8270/625 0.25(mm)
ICV 510-87354/13		09/29/2011 14:21	1		8270/625 0.25(mm)
ZZZZZ		09/29/2011 15:00	1		8270/625 0.25(mm)
ZZZZZ		09/29/2011 15:19	1		8270/625 0.25(mm)
ZZZZZ		09/29/2011 15:38	1		8270/625 0.25(mm)
ZZZZZ		09/29/2011 15:57	1		8270/625 0.25(mm)
ZZZZZ		09/29/2011 16:16	1		8270/625 0.25(mm)
ZZZZZ		09/29/2011 16:35	1		8270/625 0.25(mm)
ZZZZZ		09/29/2011 16:54	1		8270/625 0.25(mm)
ZZZZZ		09/29/2011 17:13	100		8270/625 0.25(mm)
ZZZZZ		09/29/2011 17:32	1		8270/625 0.25(mm)
ZZZZZ		09/29/2011 17:51	1		8270/625 0.25(mm)
ZZZZZ		09/29/2011 18:10	1		8270/625 0.25(mm)
ZZZZZ		09/29/2011 18:29	1		8270/625 0.25(mm)
ZZZZZ		09/29/2011 18:48	1		8270/625 0.25(mm)
ZZZZZ		09/29/2011 19:07	1		8270/625 0.25(mm)
ZZZZZ		09/29/2011 19:26	1		8270/625 0.25(mm)
ZZZZZ		09/29/2011 19:45	1		8270/625 0.25(mm)
ZZZZZ		09/29/2011 20:04	1		8270/625 0.25(mm)
ZZZZZ		09/29/2011 20:23	1		8270/625 0.25(mm)
ZZZZZ		09/29/2011 20:42	1		8270/625 0.25(mm)

GC/MS SEMI VOA ANALYSIS RUN LOG

Lab Name: TestAmerica Valparaiso Job No.: 510-70378-1

SDG No.: 0058-373-01

Instrument ID: SMSA Start Date: 10/01/2011 20:25

Analysis Batch Number: 87497 End Date: 10/02/2011 08:19

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
DFTPP 510-87497/1		10/01/2011 20:25	1	D1680.D	8270/625 0.25(mm)
SSTD050 510-87497/2 CCVIS		10/01/2011 20:40	1	D1681.D	8270/625 0.25(mm)
MB 510-87346/1-A		10/01/2011 21:17	1	D1683.D	8270/625 0.25(mm)
LCS 510-87346/2-A		10/01/2011 21:35	1	D1684.D	8270/625 0.25(mm)
ZZZZZ		10/01/2011 21:54	5		8270/625 0.25(mm)
ZZZZZ		10/01/2011 22:12	1		8270/625 0.25(mm)
ZZZZZ		10/01/2011 22:31	1		8270/625 0.25(mm)
ZZZZZ		10/01/2011 22:49	1		8270/625 0.25(mm)
ZZZZZ		10/01/2011 23:07	1		8270/625 0.25(mm)
ZZZZZ		10/01/2011 23:26	1		8270/625 0.25(mm)
ZZZZZ		10/01/2011 23:44	1		8270/625 0.25(mm)
ZZZZZ		10/02/2011 00:03	1		8270/625 0.25(mm)
ZZZZZ		10/02/2011 00:21	1		8270/625 0.25(mm)
ZZZZZ		10/02/2011 00:40	1		8270/625 0.25(mm)
ZZZZZ		10/02/2011 00:58	1		8270/625 0.25(mm)
ZZZZZ		10/02/2011 01:16	1		8270/625 0.25(mm)
ZZZZZ		10/02/2011 01:35	1		8270/625 0.25(mm)
ZZZZZ		10/02/2011 01:53	1		8270/625 0.25(mm)
ZZZZZ		10/02/2011 02:12	1		8270/625 0.25(mm)
ZZZZZ		10/02/2011 02:30	1		8270/625 0.25(mm)
510-70378-1	Foundry Fill #1	10/02/2011 02:48	1	D1701.D	8270/625 0.25(mm)
510-70378-2	Foundry Fill #2	10/02/2011 03:07	1	D1702.D	8270/625 0.25(mm)
ZZZZZ		10/02/2011 03:25	1		8270/625 0.25(mm)
ZZZZZ		10/02/2011 03:44	1		8270/625 0.25(mm)
ZZZZZ		10/02/2011 04:02	1		8270/625 0.25(mm)
ZZZZZ		10/02/2011 04:20	1		8270/625 0.25(mm)
ZZZZZ		10/02/2011 04:39	1		8270/625 0.25(mm)
ZZZZZ		10/02/2011 04:57	1		8270/625 0.25(mm)
ZZZZZ		10/02/2011 05:15	1		8270/625 0.25(mm)
ZZZZZ		10/02/2011 05:34	1		8270/625 0.25(mm)
ZZZZZ		10/02/2011 05:52	1		8270/625 0.25(mm)
ZZZZZ		10/02/2011 06:10	1		8270/625 0.25(mm)
ZZZZZ		10/02/2011 06:29	1		8270/625 0.25(mm)
ZZZZZ		10/02/2011 06:47	1		8270/625 0.25(mm)
ZZZZZ		10/02/2011 07:06	1		8270/625 0.25(mm)
ZZZZZ		10/02/2011 07:24	1		8270/625 0.25(mm)
ZZZZZ		10/02/2011 07:42	1		8270/625 0.25(mm)
ZZZZZ		10/02/2011 08:01	1		8270/625 0.25(mm)
ZZZZZ		10/02/2011 08:19	1		8270/625 0.25(mm)

GC/MS SEMI VOA BATCH WORKSHEET

Lab Name: TestAmerica Valparaiso Job No.: 510-70378-1

SDG No.: 0058-373-01

Batch Number: 87346 Batch Start Date: 09/29/11 08:23 Batch Analyst: Page, Sarah N

Batch Method: 3541 Batch End Date:

Lab Sample ID	Client Sample ID	Method Chain	Basis	InitialAmount	FinalAmount	MSB-SPIKE 00040	MSBSurr 00031		
MB 510-87346/1		3541, 8270C		30 g	1 mL		500 uL		
LCS 510-87346/2		3541, 8270C		30 g	1 mL	500 uL	500 uL		
510-70378-F-1	Foundry Fill #1	3541, 8270C	T	30.22 g	1 mL		500 uL		
510-70378-F-2	Foundry Fill #2	3541, 8270C	T	30.47 g	1 mL		500 uL		

Batch Notes	
Balance ID	37912
Blank Soil Lot Number	opsand_00006
DCM/CS2 ID	dcm_00061
Vendor lot number	dcm_00061
N-evap temperature	32 Degrees C
Na2SO4 Lot Number	opna2so4_00020
Person's name who did the prep	Sarah Page
Solvent	dcm
Soxtherm Temperature	150
Soxtherm Unit	1, 2
First Start time	0825
ID number of the thermometer	4907

Basis	Basis Description
T	Total/NA

Method 8270C SIM

Semivolatile Organic Compounds (GC/MS SIM) by Method 8270C (SIM)

FORM II
GC/MS SEMI VOA SURROGATE RECOVERY

Lab Name: TestAmerica Valparaiso Job No.: 510-70378-1

SDG No.: 0058-373-01

Matrix: Solid Level: Low

GC Column (1): 8270/625 ID: 0.25(mm)

Client Sample ID	Lab Sample ID	NBZ #	FBP #	TPH #
Foundry Fill #1	510-70378-1	54	72	121
Foundry Fill #2	510-70378-2	31	41	82
	MB 510-87346/1-A	54	62	86
	LCS 510-87346/2-A	54	62	99

	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.: 510-70378-1

SDG No.: 0058-373-01

Matrix: Solid Level: Low Lab File ID: C5179.D

Lab ID: LCS 510-87346/2-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	1.17	70	10-151	
Anthracene	1.67	1.35	81	16-148	
Benzo[a]anthracene	1.67	1.38	83	15-154	
Benzo[a]pyrene	1.67	1.55	93	19-168	
Benzo[b]fluoranthene	1.67	1.79	108	14-152	
Benzo[g,h,i]perylene	1.67	1.68	101	21-112	
Benzo[k]fluoranthene	1.67	1.37	82	24-116	
Chrysene	1.67	1.06	64	29-107	
Dibenz(a,h)anthracene	1.67	1.35	81	34-107	
Fluoranthene	1.67	1.41	85	29-120	
Pyrene	1.67	1.60	96	26-120	
Fluorene	1.67	1.38	83	28-110	
Indeno[1,2,3-cd]pyrene	1.67	1.55	93	27-110	
Naphthalene	1.67	1.18	71	10-106	
Phenanthrene	1.67	1.22	73	22-115	

Column to be used to flag recovery and RPD values

FORM III 8270C SIM

FORM IV
GC/MS SEMI VOA METHOD BLANK SUMMARY

Lab Name: TestAmerica Valparaiso Job No.: 510-70378-1

SDG No.: 0058-373-01

Lab File ID: C5178.D Lab Sample ID: MB 510-87346/1-A

Matrix: Solid Date Extracted: 09/29/2011 08:23

Instrument ID: SMSB Date Analyzed: 09/30/2011 12:32

Level:(Low/Med) Low

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES:

CLIENT SAMPLE ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
	LCS 510-87346/2-A	C5179.D	09/30/2011 12:50
Foundry Fill #1	510-70378-1	C5195.D	09/30/2011 17:38
Foundry Fill #2	510-70378-2	C5196.D	09/30/2011 17:56

FORM V
GC/MS SEMI VOA INSTRUMENT PERFORMANCE CHECK
DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Lab Name: TestAmerica Valparaiso Job No.: 510-70378-1

SDG No.: 0058-373-01

Lab File ID: C4920.D DFTPP Injection Date: 08/19/2011

Instrument ID: SMSB DFTPP Injection Time: 10:07

Analysis Batch No.: 85359

M/E	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE	
51	30.0 - 60.0 % of mass 198	47.1	
68	Less than 2.0 % of mass 69	0.3	(0.5)1
69	Mass 69 relative abundance	63.2	
70	Less than 2.0 % of mass 69	0.2	(0.3)1
127	40.0 - 60.0 % of mass 198	55.5	
197	Less than 1.0 % of mass 198	0.0	
198	Base Peak, 100 % relative abundance	100.0	
199	5.0- 9.0 % of mass 198	6.8	
275	10.0 - 30.0 % of mass 198	20.9	
365	Greater than 1.0 % of mass 198	3.1	
441	Present but less than mass 443	7.9	
442	Greater than 40.0 % of mass 198	59.5	
443	17.0 - 23.0 % of mass 442	11.8	(19.8)2

1-Value is % mass 69 2-Value is % mass 442

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

CLIENT SAMPLE ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
	IC 510-85359/2	C4921.D	08/19/2011	10:22
	IC 510-85359/3	C4922.D	08/19/2011	10:43
	IC 510-85359/4	C4923.D	08/19/2011	11:05
	IC 510-85359/5	C4924.D	08/19/2011	11:26
	IC 510-85359/6	C4925.D	08/19/2011	11:47
	IC 510-85359/7	C4926.D	08/19/2011	12:08
	IC 510-85359/8	C4927.D	08/19/2011	12:29
	IC 510-85359/9	C4928.D	08/19/2011	12:50

FORM V
GC/MS SEMI VOA INSTRUMENT PERFORMANCE CHECK
DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Lab Name: TestAmerica Valparaiso Job No.: 510-70378-1

SDG No.: 0058-373-01

Lab File ID: C5175.D DFTPP Injection Date: 09/30/2011

Instrument ID: SMSB DFTPP Injection Time: 11:44

Analysis Batch No.: 87438

M/E	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE	
51	30.0 - 60.0 % of mass 198	32.7	
68	Less than 2.0 % of mass 69	0.0	(0.0)1
69	Mass 69 relative abundance	47.6	
70	Less than 2.0 % of mass 69	0.2	(0.3)1
127	40.0 - 60.0 % of mass 198	41.3	
197	Less than 1.0 % of mass 198	0.0	
198	Base Peak, 100 % relative abundance	100.0	
199	5.0- 9.0 % of mass 198	7.0	
275	10.0 - 30.0 % of mass 198	19.2	
365	Greater than 1.0 % of mass 198	2.1	
441	Present but less than mass 443	3.3	
442	Greater than 40.0 % of mass 198	52.7	
443	17.0 - 23.0 % of mass 442	9.8	(18.6)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 510-87438/2	C5176.D	09/30/2011	11:55
	MB 510-87346/1-A	C5178.D	09/30/2011	12:32
	LCS 510-87346/2-A	C5179.D	09/30/2011	12:50
Foundry Fill #1	510-70378-1	C5195.D	09/30/2011	17:38
Foundry Fill #2	510-70378-2	C5196.D	09/30/2011	17:56

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

Lab Name: TestAmerica Valparaiso Job No.: 510-70378-1

SDG No.: 0058-373-01

Sample No.: SSTD020 510-87438/2 Date Analyzed: 09/30/2011 11:55

Instrument ID: SMSB GC Column: 8270/625 ID: 0.25(mm)

Lab File ID (Standard): C5176.D Heated Purge: (Y/N) N

Calibration ID: 4212

		DCB		NPT		ANT	
		AREA #	RT #	AREA #	RT #	AREA #	RT #
12/24 HOUR STD		114448	1.47	222655	3.06	116791	5.15
UPPER LIMIT		228896	1.97	445310	3.56	233582	5.65
LOWER LIMIT		57224	0.97	111328	2.56	58396	4.65
LAB SAMPLE ID	CLIENT SAMPLE ID						
MB 510-87346/1-A		131436	1.46	262470	3.04	144677	5.15
LCS 510-87346/2-A		127088	1.47	231861	3.05	126706	5.16
510-70378-1	Foundry Fill #1	128449	1.45	267628	3.05	144518	5.14
510-70378-2	Foundry Fill #2	140007	1.46	306092	3.05	175645	5.14

DCB = 1,4-Dichlorobenzene-d4
NPT = Naphthalene-d8
ANT = Acenaphthene-d10

Area Limit = 50%-200% of internal standard area
RT Limit = ± 0.5 minutes of internal standard RT

Column used to flag values outside QC limits

FORM VIII 8270C SIM

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

Lab Name: TestAmerica Valparaiso Job No.: 510-70378-1

SDG No.: 0058-373-01

Sample No.: SSTD020 510-87438/2 Date Analyzed: 09/30/2011 11:55

Instrument ID: SMSB GC Column: 8270/625 ID: 0.25(mm)

Lab File ID (Standard): C5176.D Heated Purge: (Y/N) N

Calibration ID: 4212

		PHN		CRY		PRY	
		AREA #	RT #	AREA #	RT #	AREA #	RT #
12/24 HOUR STD		168736	6.86	99521	9.77	85740	10.86
UPPER LIMIT		337472	7.36	199042	10.27	171480	11.36
LOWER LIMIT		84368	6.36	49761	9.27	42870	10.36
LAB SAMPLE ID	CLIENT SAMPLE ID						
MB 510-87346/1-A		201334	6.84	146066	9.77	98943	10.85
LCS 510-87346/2-A		195148	6.86	123010	9.78	94372	10.86
510-70378-1	Foundry Fill #1	199221	6.85	89122	9.77	32709*	10.86
510-70378-2	Foundry Fill #2	250801	6.85	121322	9.78	48646	10.87

PHN = Phenanthrene-d10
CRY = Chrysene-d12
PRY = Perylene-d12

Area Limit = 50%-200% of internal standard area
RT Limit = ± 0.5 minutes of internal standard RT

Column used to flag values outside QC limits

FORM VIII 8270C SIM

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Valparaiso | Job No.: 510-70378-1

SDG No.: 0058-373-01

Client Sample ID: Foundry Fill #1 | Lab Sample ID: 510-70378-1

Matrix: Solid | Lab File ID: C5195.D

Analysis Method: 8270C SIM | Date Collected: 09/23/2011 09:00

Extract. Method: 3541 | Date Extracted: 09/29/2011 08:23

Sample wt/vol: 30.22(g) | Date Analyzed: 09/30/2011 17:38

Con. Extract Vol.: 1(mL) | Dilution Factor: 1

Injection Volume: 1(uL) | Level: (low/med) Low

% Moisture: 5.8 | GPC Cleanup:(Y/N) N

Analysis Batch No.: 87438 | Units: mg/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
83-32-9	Acenaphthene	<0.021		0.021	0.0027
208-96-8	Acenaphthylene	<0.021		0.021	0.0033
120-12-7	Anthracene	<0.021		0.021	0.0034
56-55-3	Benzo[a]anthracene	0.046		0.021	0.0022
50-32-8	Benzo[a]pyrene	0.030		0.021	0.0018
205-99-2	Benzo[b]fluoranthene	0.064		0.021	0.0031
191-24-2	Benzo[g,h,i]perylene	<0.021		0.021	0.0023
207-08-9	Benzo[k]fluoranthene	0.027		0.021	0.0022
218-01-9	Chrysene	0.036		0.021	0.0021
53-70-3	Dibenz(a,h)anthracene	<0.021		0.021	0.0029
206-44-0	Fluoranthene	0.043		0.021	0.0042
129-00-0	Pyrene	0.069		0.021	0.0039
86-73-7	Fluorene	<0.021		0.021	0.0028
193-39-5	Indeno[1,2,3-cd]pyrene	<0.021		0.021	0.0023
91-20-3	Naphthalene	0.034		0.021	0.0034
85-01-8	Phenanthrene	0.072		0.021	0.0033

CAS NO.	SURROGATE	%REC	Q	LIMITS
1718-51-0	Terphenyl-d14	121		10-194
4165-60-0	Nitrobenzene-d5	54		10-117
321-60-8	2-Fluorobiphenyl	72		16-110

TestAmerica Laboratories
Target Compound Quantitation Report

Data File:	\\valsvr08\ChromData\SMSB\20110930-5635.b\C5195.D		
Lims ID:	510-70378-F-1-B	Client ID:	Foundry Fill #1
Inject. Date:	30-Sep-2011 17:38:30	Dil. Factor:	1.0000
Sample Type:	Client		
Sample ID:	510-70378-1		
Misc. Info.:	510-0005635-021 =510-0005635-021		
Operator:	wds	Instrument ID:	SMSB
Vol. Injected:	1.0000	ALS Bottle#:	21
Lims Batch ID:	87438	Lims Sample ID:	21
Detector:	MS SCAN		
Method:	\\valsvr08\ChromData\SMSB\20110930-5635.b\SIM-PNAB.m		
Last Update:	30-Sep-2011 12:10:55	Calib Date:	19-Aug-2011 12:50:30
Quant Method:	Internal Standard	Quant By:	Initial Calibration
Last ICal File:	\\valsvr08\ChromData\SMSB\20110819-5411.b\C4928.D		
Limit Group:	SMS - 1 - 8270 SIM Calibration		
Integrator:	RTE	ID Type:	RT Order ID
Process Host:	VAL-SMS-LAB1		
First Level Reviewer: squiresb		Date:	01-Oct-2011 11:14:40

Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/ml	Ratio Range	Ratio	Flags
* 40 1,4-Dichlorobenzene-d4									
152	1.454	1.465	-0.011	1	128449	40.0	70.0- 130.0	100.0	
115	1.454	1.465	-0.011		61081		21.2- 81.2	47.6	
$ 49 Nitrobenzene-d5									
82	2.196	2.207	-0.011	1	97886	26.8	70.0- 130.0	100.0	
128	2.196	2.207	-0.011		60583		224.8- 284.8	61.9	
54	2.196	2.207	-0.011		45737		4.7- 64.7	46.7	
* 57 Naphthalene-d8									
136	3.045	3.056	-0.011	1	267628	40.0	70.0- 130.0	100.0	
58 Naphthalene									
128	3.067	3.078	-0.011	1	8638	0.9773	70.0- 130.0	100.0	
129	3.067	3.078	-0.011		1083		0.0- 41.0	12.5	
127	3.067	3.078	-0.011		1123		0.0- 42.6	13.0	
$ 66 2-Fluorobiphenyl									
172	4.443	4.443	0.000	1	250275	35.9			
* 73 Acenaphthene-d10									
164	5.144	5.145	-0.001	1	144518	40.0	70.0- 130.0	100.0	
162	5.144	5.145	-0.001		126888		57.3- 117.3	87.8	
80 Fluorene									
166	5.788	5.789	-0.001	4	620	0.1152	70.0- 130.0	100.0	
165	5.788	5.789	-0.001		571		57.1- 117.1	92.1	
* 90 Phenanthrene-d10									
188	6.854	6.855	-0.001	1	199221	40.0	70.0- 130.0	100.0	
91 Phenanthrene									
178	6.879	6.867	0.012	1	14342	2.06	70.0- 130.0	100.0	
179	6.879	6.867	0.012		2590		0.0- 46.0	18.1	

Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/ml	Ratio Range	Ratio	Flags
92 Anthracene									
178	6.929	6.929	0.000	1	1985	0.2812	70.0- 130.0	100.0	
95 Fluoranthene									
202	8.391	8.380	0.011	0	8410	1.23	70.0- 130.0	100.0	
101	8.379	8.380	-0.001		1206		0.0- 44.0	14.3	
203	8.391	8.380	0.011		1412		0.0- 47.6	16.8	
97 Pyrene									
202	8.602	8.603	-0.001	20	8699	1.96	70.0- 130.0	100.0	
101	8.602	8.603	-0.001		1349		0.0- 45.8	15.5	
$ 98 Terphenyl-d14									
244	8.912	8.900	0.012	1	105836	60.6	70.0- 130.0	100.0	
122	8.899	8.900	-0.001		18205		0.0- 49.6	17.2	
101 Benzo[a]anthracene									M
228	9.779	9.755	0.024	1	4763	1.32	70.0- 130.0	100.0	M
229	9.767	9.755	0.012		1864		0.0- 49.9	39.1	
226	9.779	9.755	0.024		1707		0.0- 55.6	35.8	
* 103 Chrysene-d12									M
240	9.767	9.768	-0.001	1	89122	40.0	70.0- 130.0	100.0	M
104 Chrysene									M
228	9.779	9.792	-0.013	1	4323	1.03	70.0- 130.0	100.0	M
226	9.779	9.792	-0.013		1707		0.0- 53.0	39.5	
229	9.767	9.792	-0.025		1864		0.0- 48.8	43.1	
106 Benzo[b]fluoranthene									M
252	10.597	10.598	-0.001	1	2283	1.83	70.0- 130.0	100.0	M
253	10.597	10.598	-0.001		626		20.6- 80.6	27.4	
107 Benzo[k]fluoranthene									M
252	10.610	10.610	0.000	1	1347	0.7806	70.0- 130.0	100.0	M
253	10.597	10.610	-0.013		626		0.0- 58.6	46.5	
108 Benzo[a]pyrene									M
252	10.808	10.809	-0.001	1	975	0.8602	70.0- 130.0	100.0	M
253	10.597	10.809	-0.212		626		0.0- 54.6	64.2	
* 109 Perylene-d12									sM
264	10.858	10.858	0.000	0	32709	40.0	70.0- 130.0	100.0	M

QC Flag Legend

Processing Flags
s - Failed ISTD Recovery Test

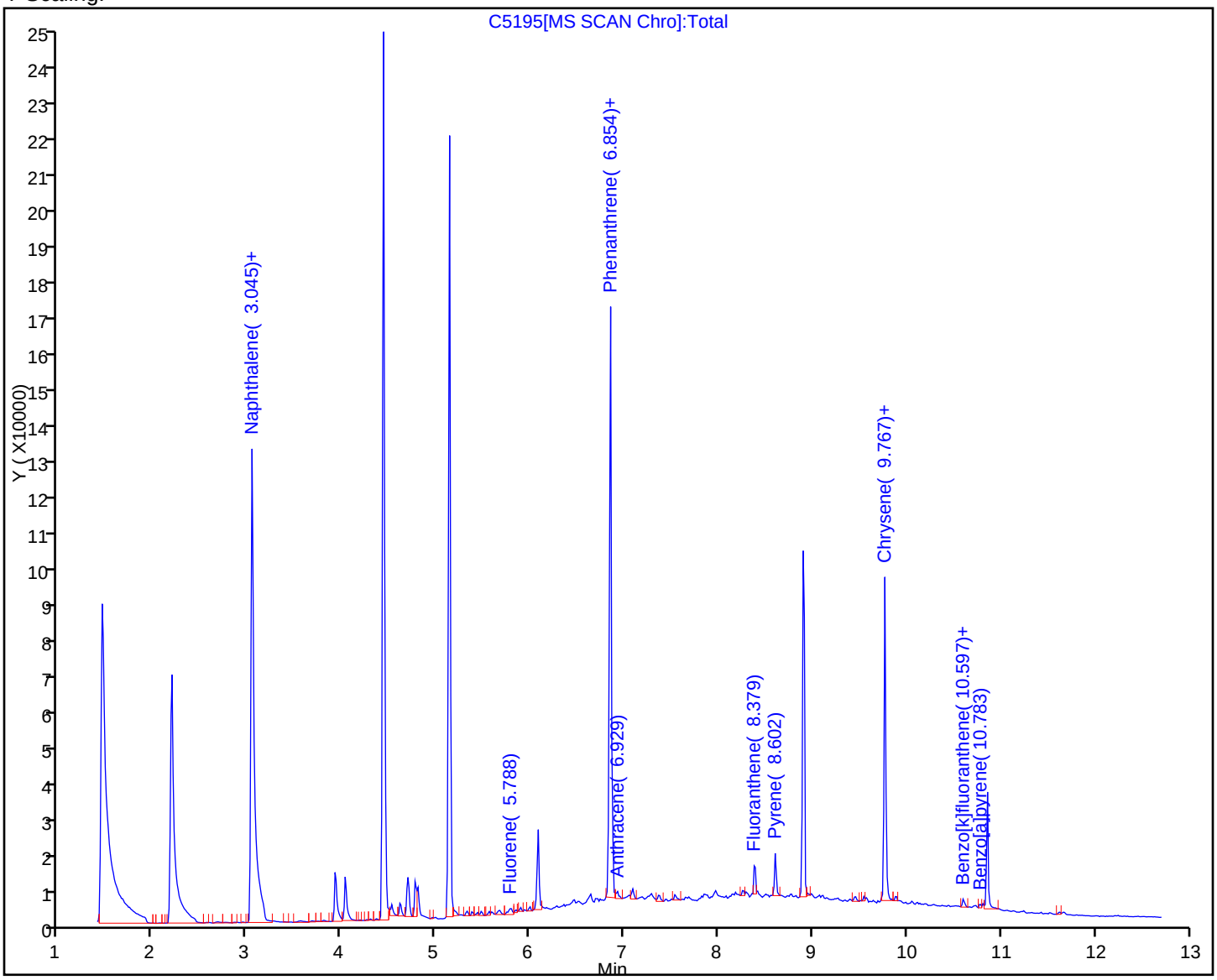
Review Flags
M - Manually Integrated

Report Date: 02-Oct-2011 20:07:37 Chrom Revision: 1.2 13-Jul-2011 10:43:06

Data File: \\valsvr08\ChromData\SMSB\20110930-5635.b\C5195.D

Injection Date:	30-Sep-2011 17:38:30	Limit Group:	SMS - 1 - 8270 SIM Calibration
Client ID:	Foundry Fill #1	Instrument ID:	SMSB
Lims Batch ID:	87438	Lims Sample ID:	21
Operator ID:	wds	Injection Vol:	1.00 ul

Y Scaling:

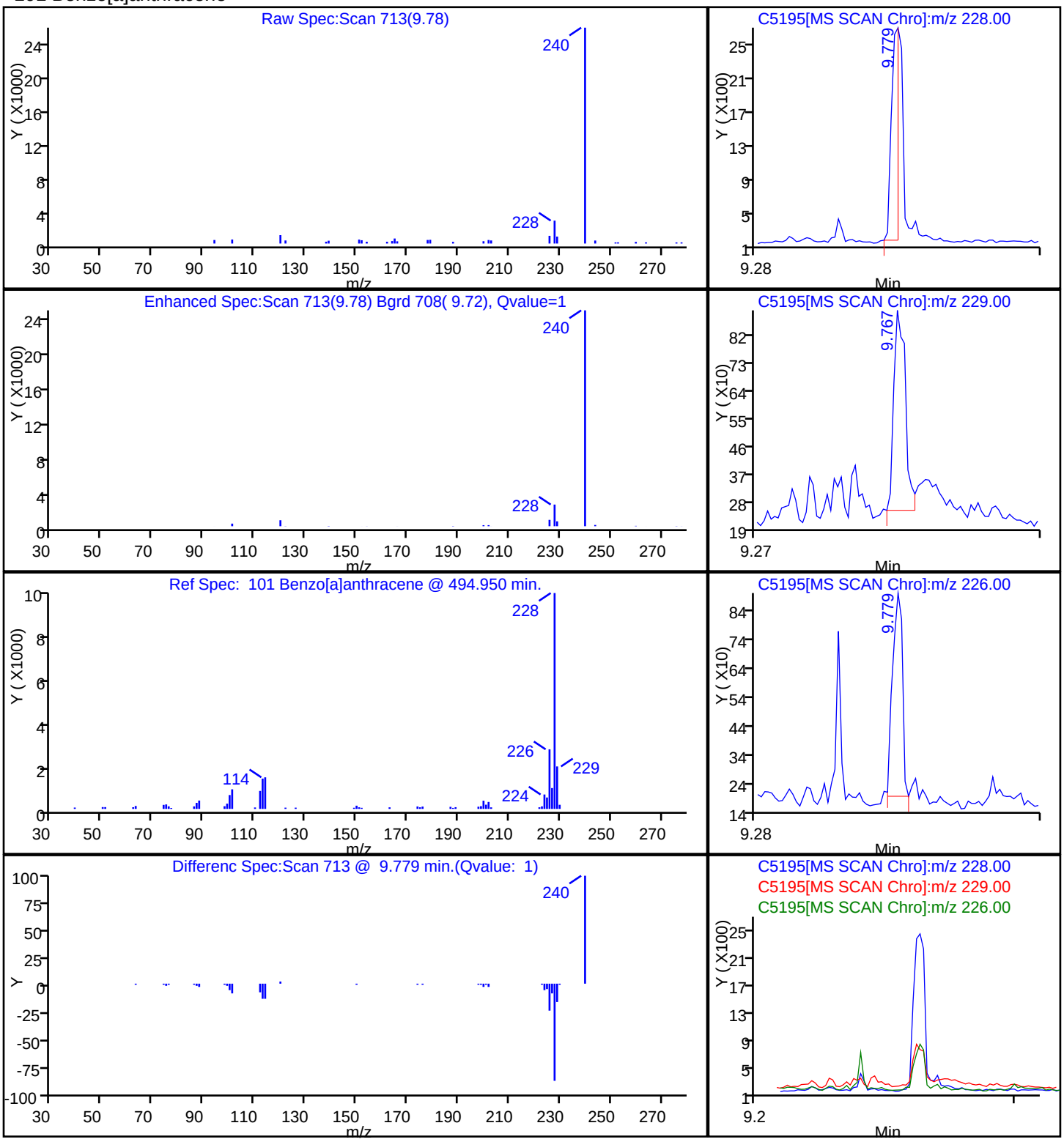


Report Date: 02-Oct-2011 20:07:37 Chrom Revision: 1.2 13-Jul-2011 10:43:06

Data File: \\valsvr08\ChromData\SMSB\20110930-5635.b\C5195.D

Injection Date:	30-Sep-2011 17:38:30	Limit Group:	SMS - 1 - 8270 SIM Calibration
Client ID:	Foundry Fill #1	Instrument ID:	SMSB
Lims Batch ID:	87438	Lims Sample ID:	21
Operator ID:	wds	Injection Vol:	1.00 ul

101 Benzo[a]anthracene

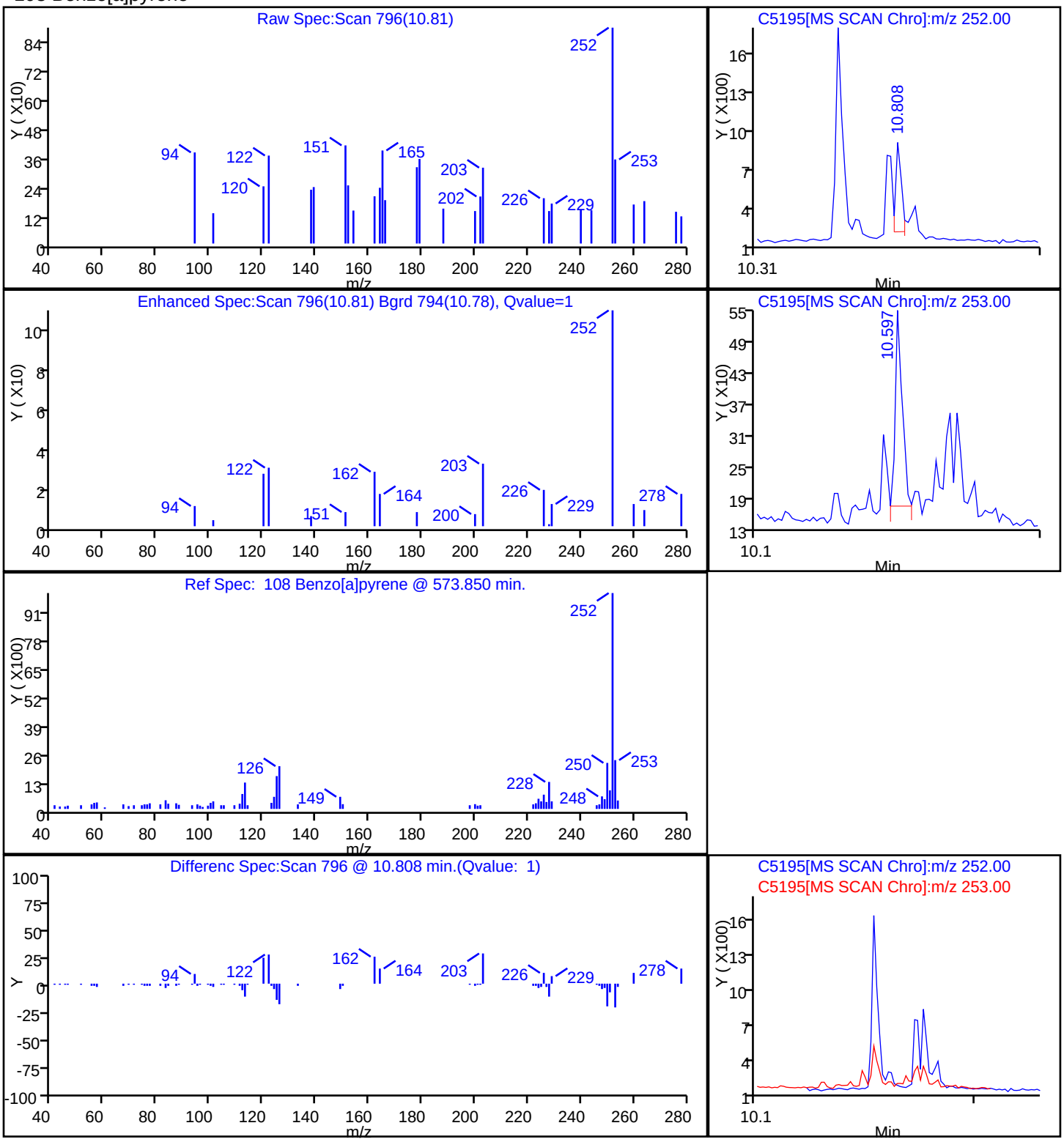


Report Date: 02-Oct-2011 20:07:37 Chrom Revision: 1.2 13-Jul-2011 10:43:06

Data File: \\valsvr08\ChromData\SMSB\20110930-5635.b\C5195.D

Injection Date:	30-Sep-2011 17:38:30	Limit Group:	SMS - 1 - 8270 SIM Calibration
Client ID:	Foundry Fill #1	Instrument ID:	SMSB
Lims Batch ID:	87438	Lims Sample ID:	21
Operator ID:	wds	Injection Vol:	1.00 ul

108 Benzo[a]pyrene



Report Date: 02-Oct-2011 20:07:37 Chrom Revision: 1.2 13-Jul-2011 10:43:06

Data File: \\valsvr08\ChromData\SMSB\20110930-5635.b\C5195.D

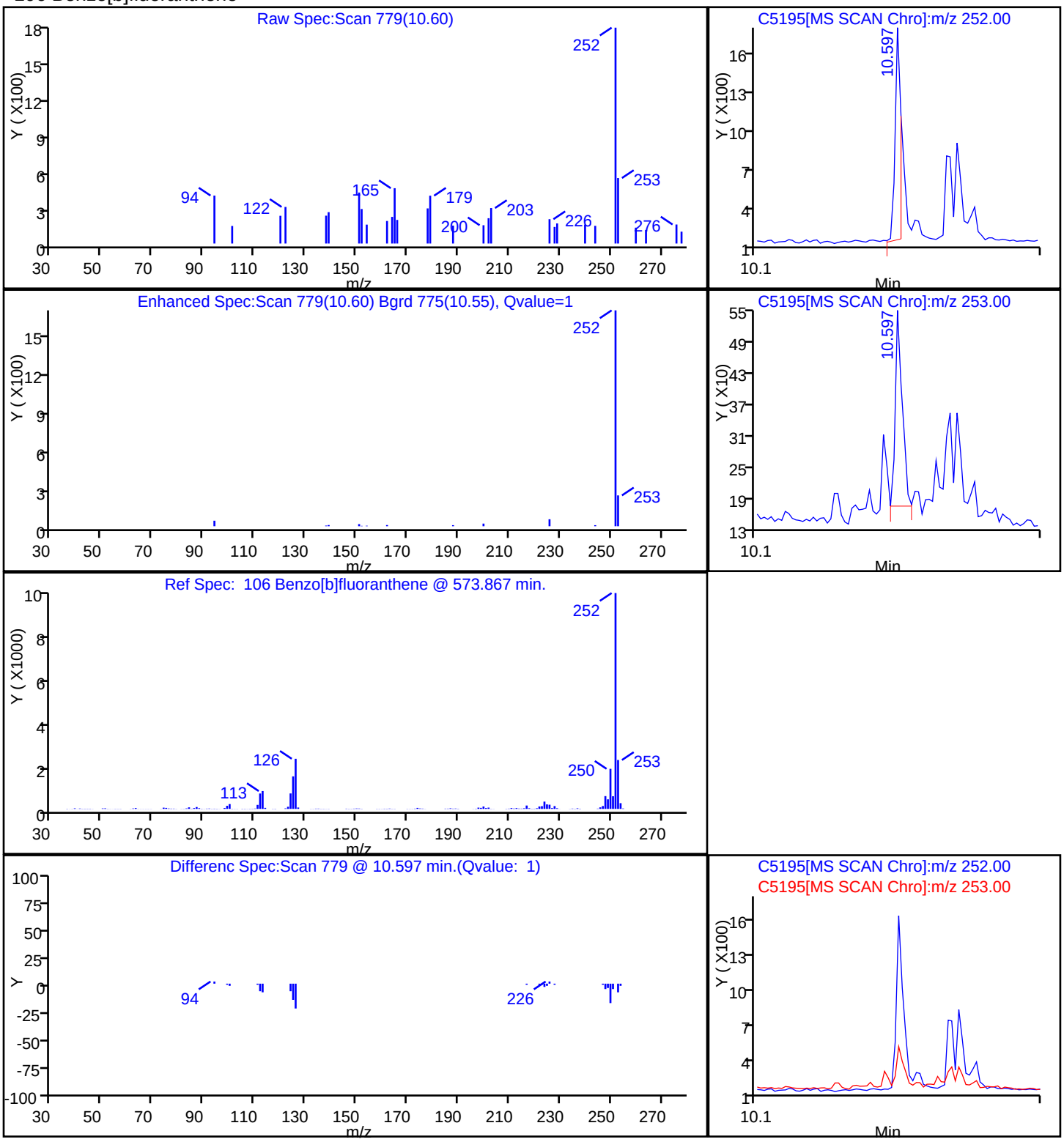
Injection Date: 30-Sep-2011 17:38:30 Limit Group: SMS - 1 - 8270 SIM Calibration

Client ID: Foundry Fill #1 Instrument ID: SMSB

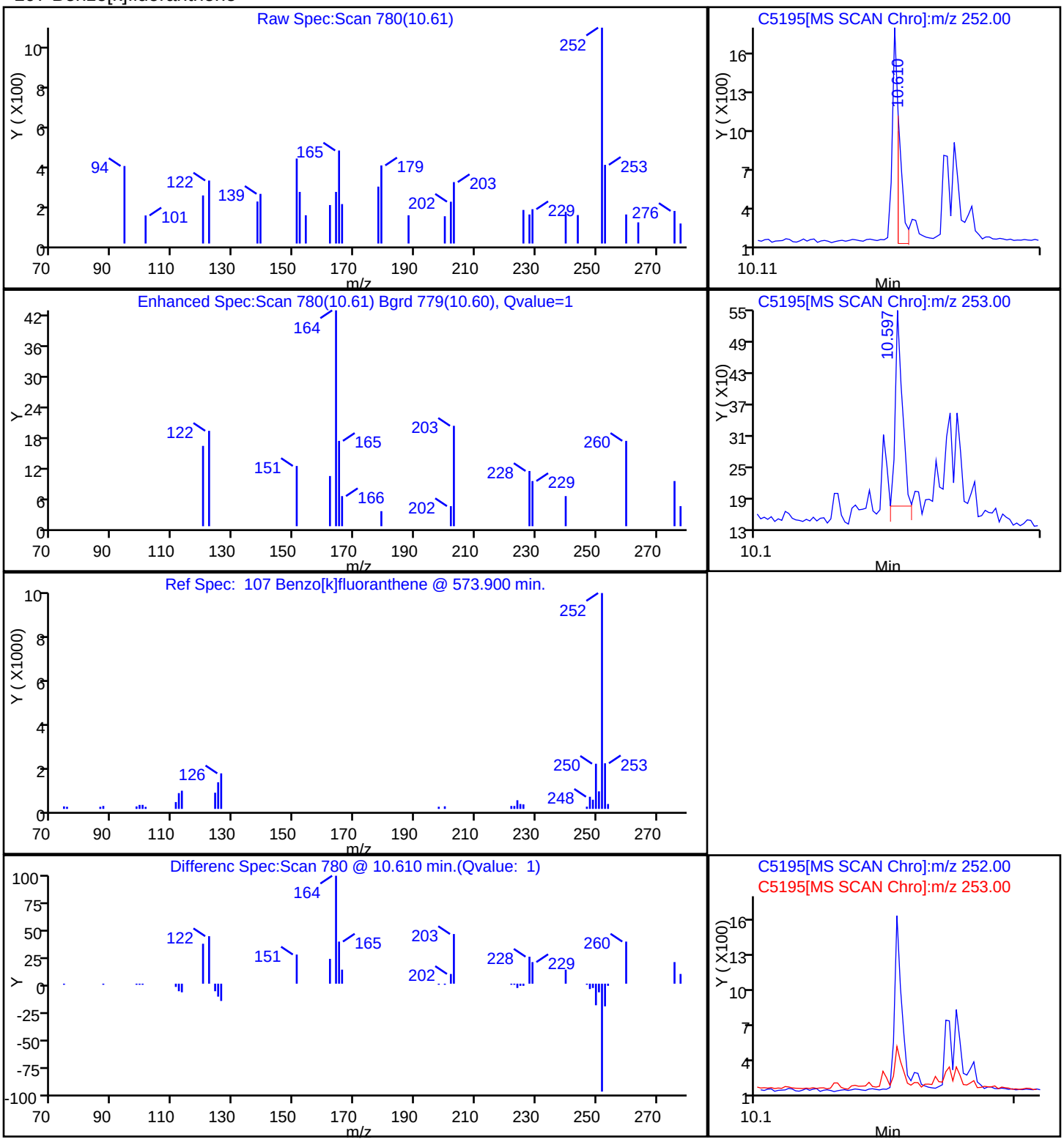
Lims Batch ID: 87438 Lims Sample ID: 21

Operator ID: wds Injection Vol: 1.00 ul

106 Benzo[b]fluoranthene



Report Date: 02-Oct-2011 20:07:37 Chrom Revision: 1.2 13-Jul-2011 10:43:06
Data File: \\valsvr08\ChromData\SMSB\20110930-5635.b\C5195.D
Injection Date: 30-Sep-2011 17:38:30 Limit Group: SMS - 1 - 8270 SIM Calibration
Client ID: Foundry Fill #1 Instrument ID: SMSB
Lims Batch ID: 87438 Lims Sample ID: 21
Operator ID: wds Injection Vol: 1.00 ul
107 Benzo[k]fluoranthene

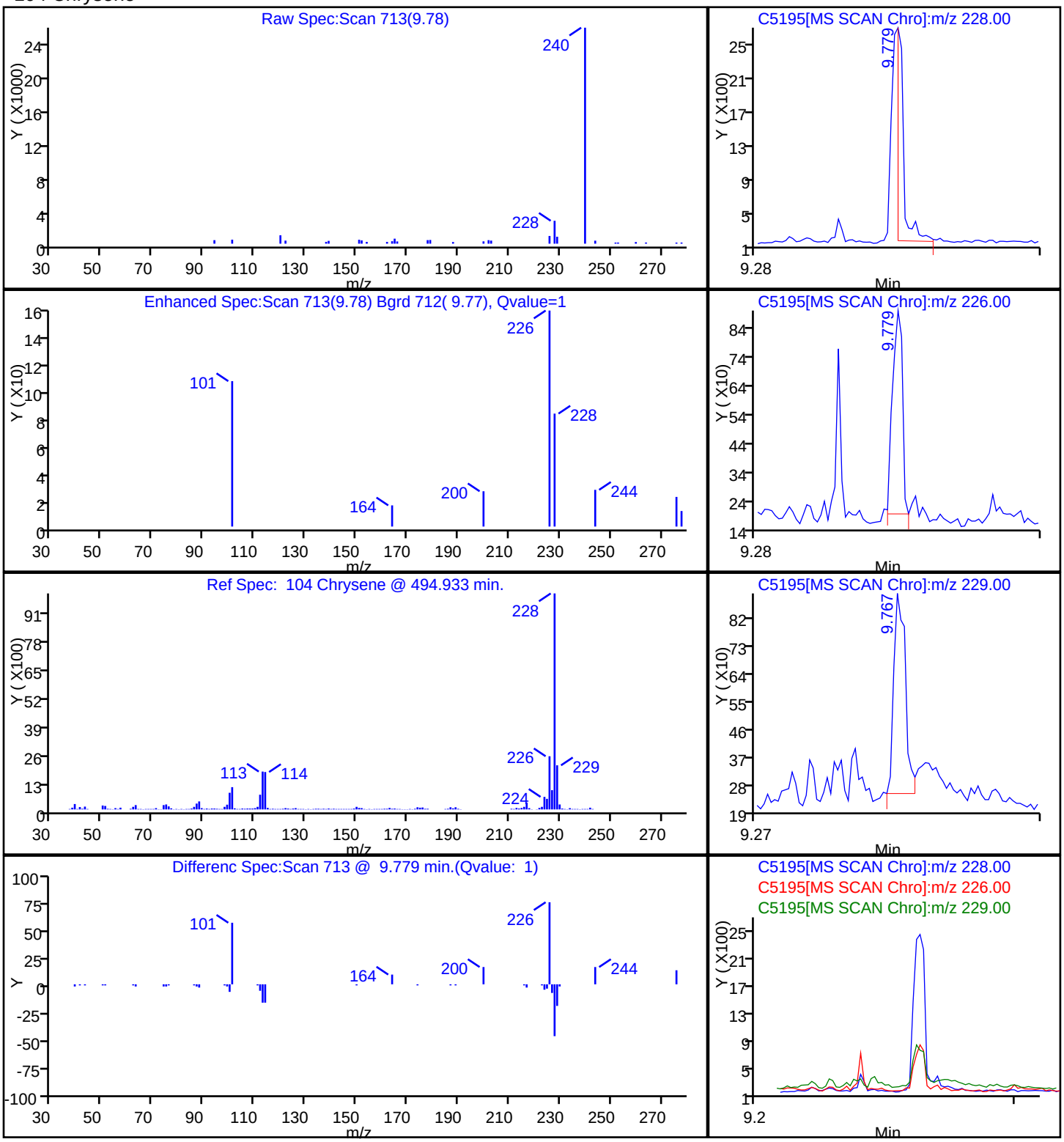


Report Date: 02-Oct-2011 20:07:37 Chrom Revision: 1.2 13-Jul-2011 10:43:06

Data File: \\valsvr08\ChromData\SMSB\20110930-5635.b\C5195.D

Injection Date:	30-Sep-2011 17:38:30	Limit Group:	SMS - 1 - 8270 SIM Calibration
Client ID:	Foundry Fill #1	Instrument ID:	SMSB
Lims Batch ID:	87438	Lims Sample ID:	21
Operator ID:	wds	Injection Vol:	1.00 ul

104 Chrysene



Report Date: 02-Oct-2011 20:07:37 Chrom Revision: 1.2 13-Jul-2011 10:43:06

Data File: \\valsvr08\ChromData\SMSB\20110930-5635.b\C5195.D

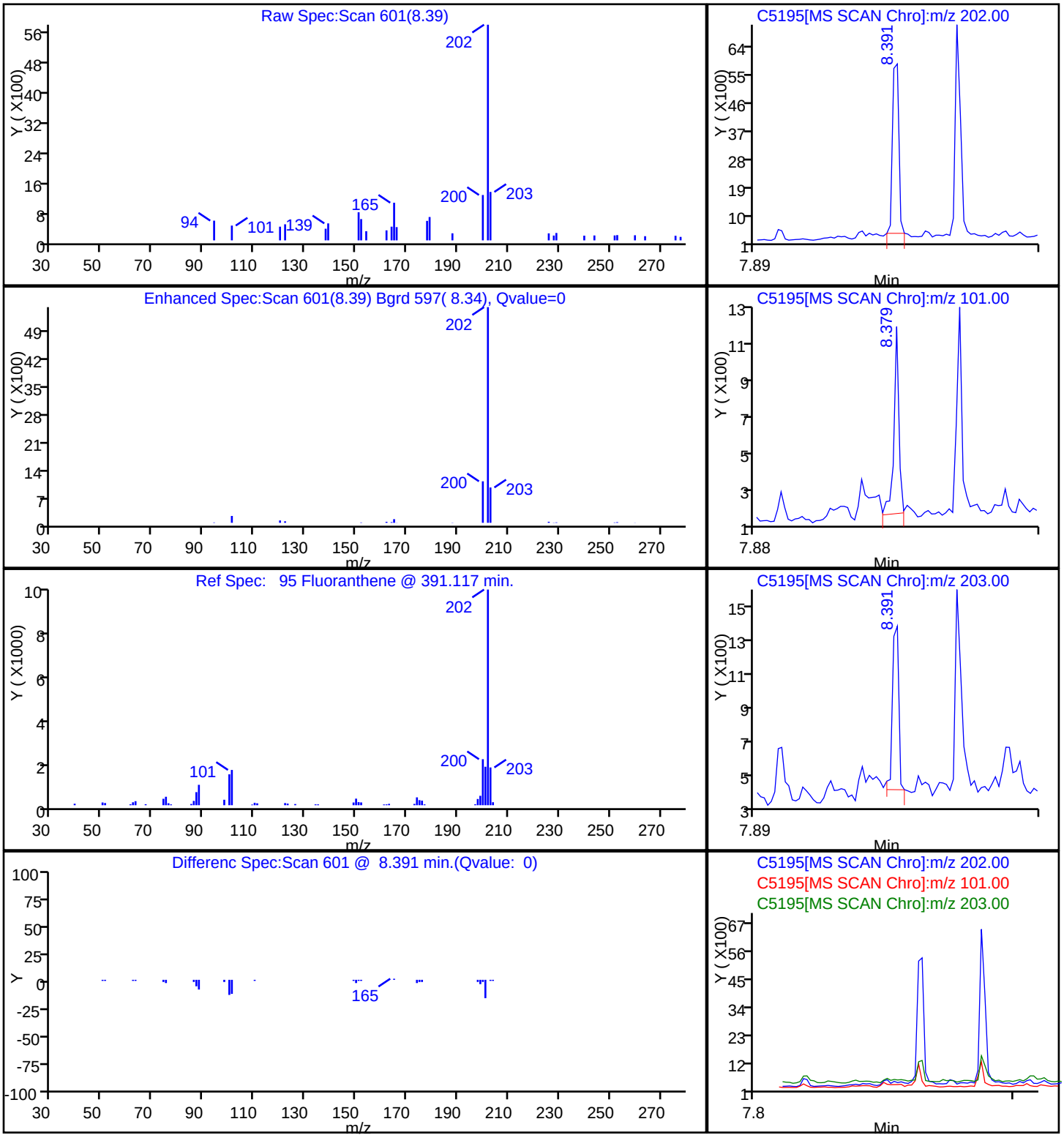
Injection Date: 30-Sep-2011 17:38:30 Limit Group: SMS - 1 - 8270 SIM Calibration

Client ID: Foundry Fill #1 Instrument ID: SMSB

Lims Batch ID: 87438 Lims Sample ID: 21

Operator ID: wds Injection Vol: 1.00 ul

95 Fluoranthene



Report Date: 02-Oct-2011 20:07:37 Chrom Revision: 1.2 13-Jul-2011 10:43:06

Data File: \\valsvr08\ChromData\SMSB\20110930-5635.b\C5195.D

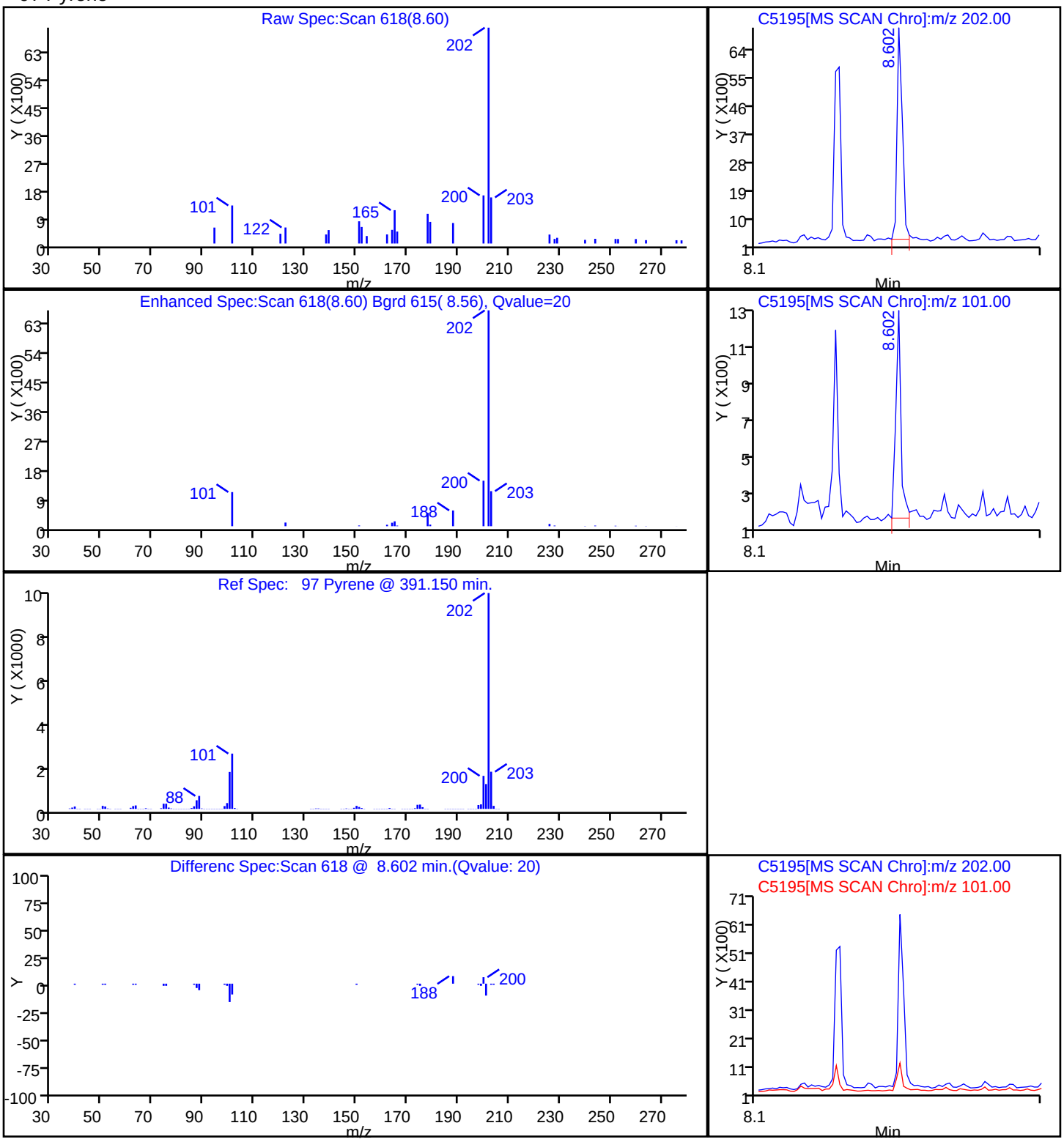
Injection Date: 30-Sep-2011 17:38:30 Limit Group: SMS - 1 - 8270 SIM Calibration

Client ID: Foundry Fill #1 Instrument ID: SMSB

Lims Batch ID: 87438 Lims Sample ID: 21

Operator ID: wds Injection Vol: 1.00 ul

97 Pyrene

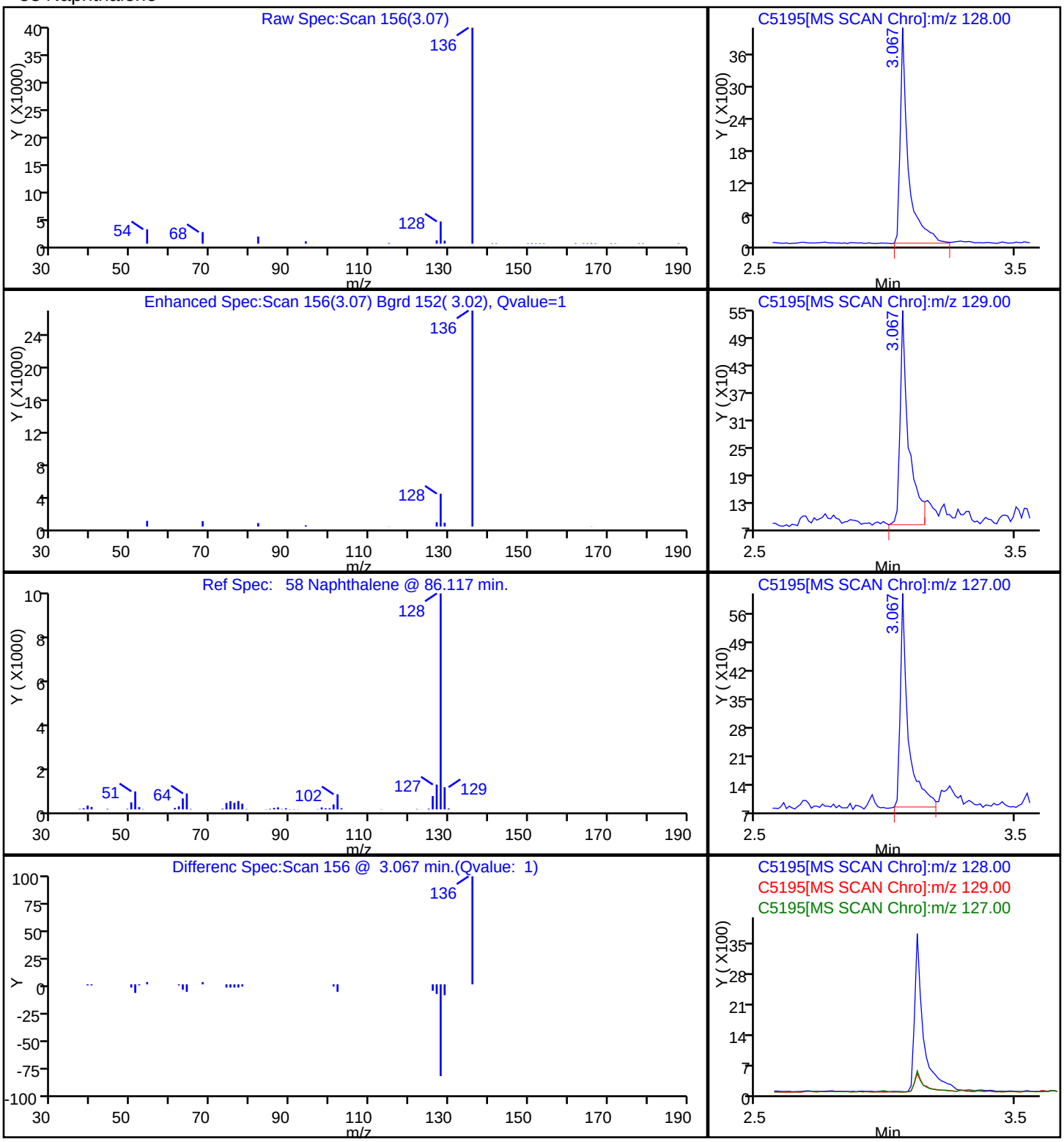


Report Date: 02-Oct-2011 20:07:37 Chrom Revision: 1.2 13-Jul-2011 10:43:06

Data File: \\valsvr08\ChromData\SMSB\20110930-5635.b\C5195.D

Injection Date:	30-Sep-2011 17:38:30	Limit Group:	SMS - 1 - 8270 SIM Calibration
Client ID:	Foundry Fill #1	Instrument ID:	SMSB
Lims Batch ID:	87438	Lims Sample ID:	21
Operator ID:	wds	Injection Vol:	1.00 ul

58 Naphthalene

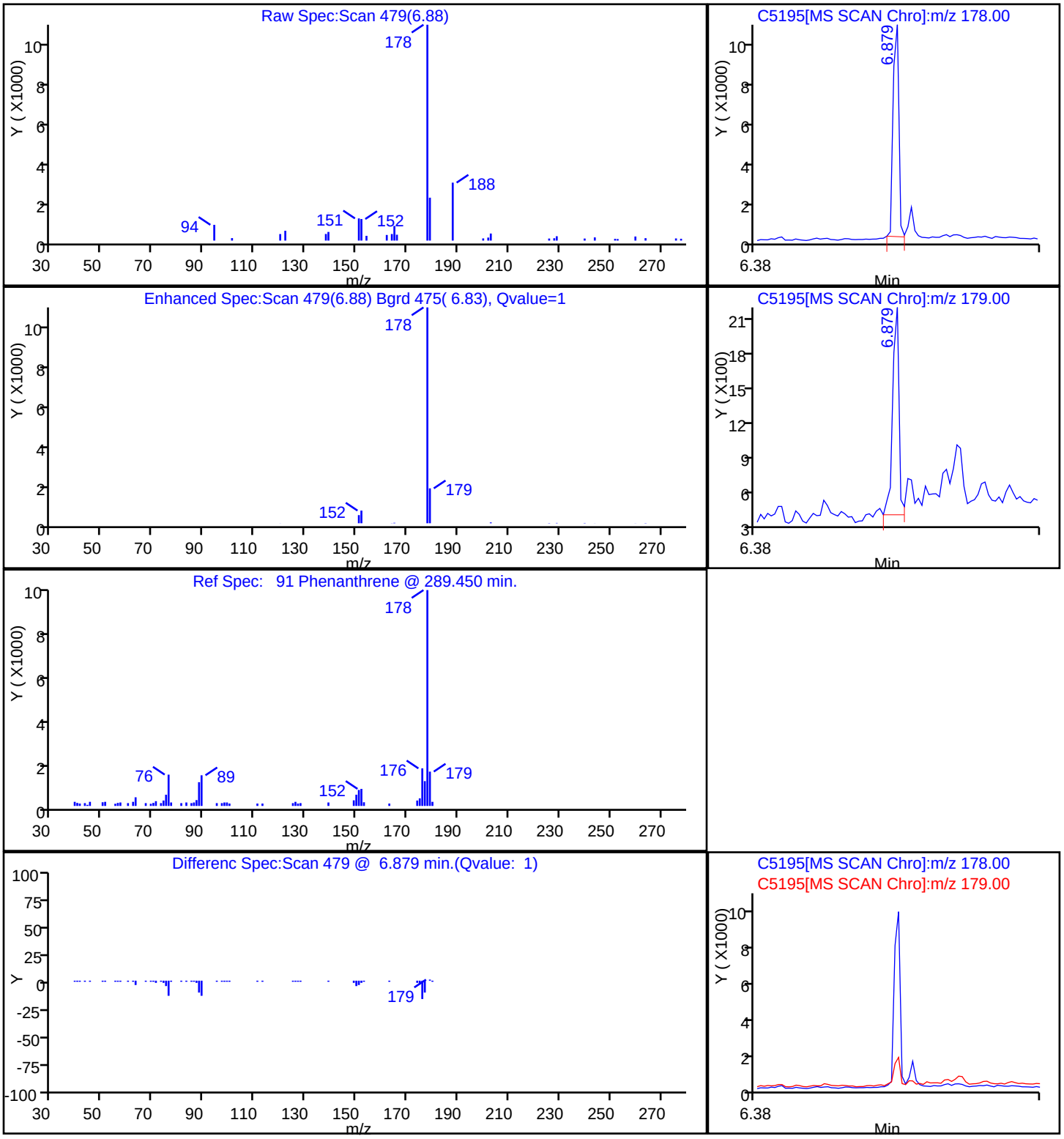


Report Date: 02-Oct-2011 20:07:37 Chrom Revision: 1.2 13-Jul-2011 10:43:06

Data File: \\valsvr08\ChromData\SMSB\20110930-5635.b\C5195.D

Injection Date:	30-Sep-2011 17:38:30	Limit Group:	SMS - 1 - 8270 SIM Calibration
Client ID:	Foundry Fill #1	Instrument ID:	SMSB
Lims Batch ID:	87438	Lims Sample ID:	21
Operator ID:	wds	Injection Vol:	1.00 ul

91 Phenanthrene



Report Date: 02-Oct-2011 20:07:37 Chrom Revision: 1.2 13-Jul-2011 10:43:06

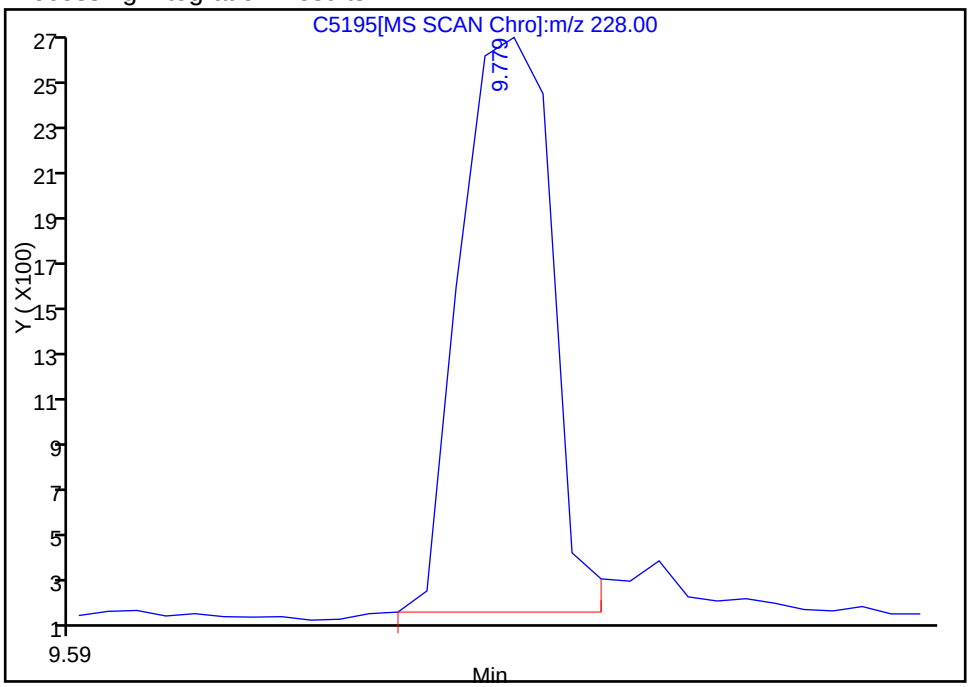
Manual Integration/User Assign Peak Report

Data File:	\\valsvr08\ChromData\SMSB\20110930-5635.b\C5195.D		
Injection Date:	30-Sep-2011 17:38:30	Limit Group:	SMS - 1 - 8270 SIM Calibration
Client ID:	Foundry Fill #1	Instrument ID:	SMSB
Lims Batch ID:	87438	Lims Sample ID:	21
Operator ID:	wds	Injection Vol:	1.00 ul

101 Benzo[a]anthracene, Signal: 1, m/z: 228.0 Type: quant, RT: 9.76

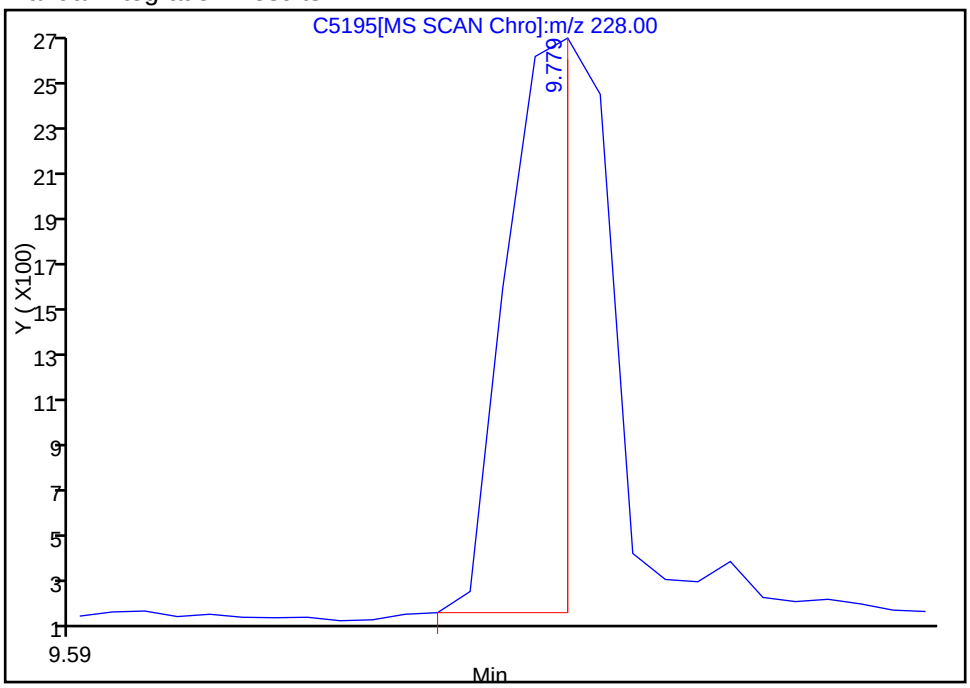
Processing Integration Results

RT: 9.78
Response: 6734
Amount: 1.952178



Manual Integration Results

RT: 9.78
Response: 4763
Amount: 1.321309



Reviewer: squiresb, 01-Oct-2011 11:14:40
Audit Action: Manually Integrated
Audit Reason: Assign Peak

Report Date: 02-Oct-2011 20:07:37 Chrom Revision: 1.2 13-Jul-2011 10:43:06

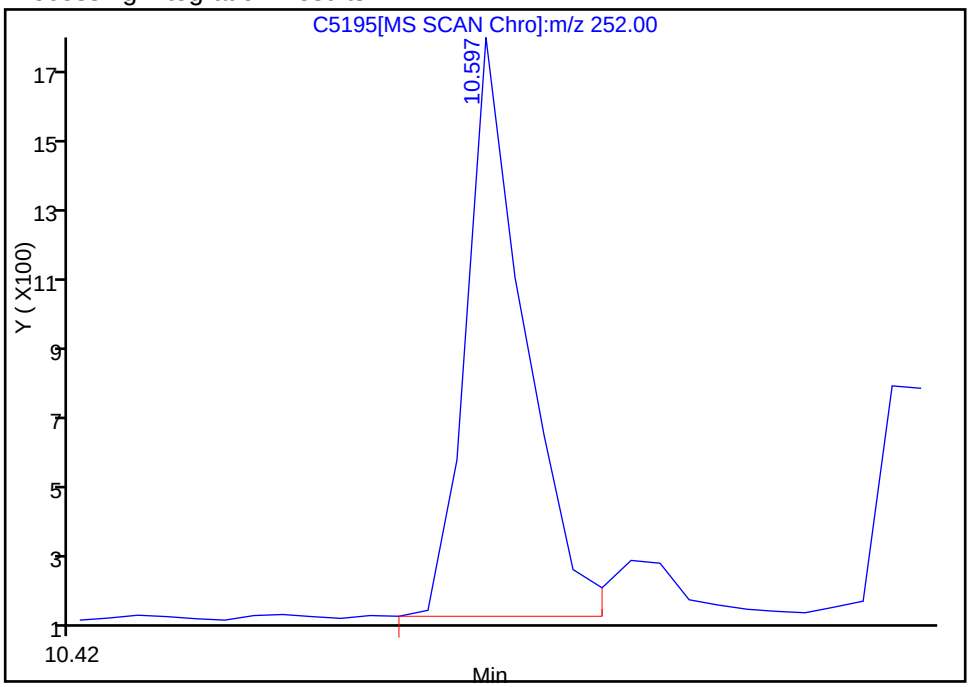
Manual Integration/User Assign Peak Report

Data File:	\\valsvr08\ChromData\SMSB\20110930-5635.b\C5195.D		
Injection Date:	30-Sep-2011 17:38:30	Limit Group:	SMS - 1 - 8270 SIM Calibration
Client ID:	Foundry Fill #1	Instrument ID:	SMSB
Lims Batch ID:	87438	Lims Sample ID:	21
Operator ID:	wds	Injection Vol:	1.00 ul

108 Benzo[a]pyrene, Signal: 1, m/z: 252.0 Type: quant, RT: 10.81

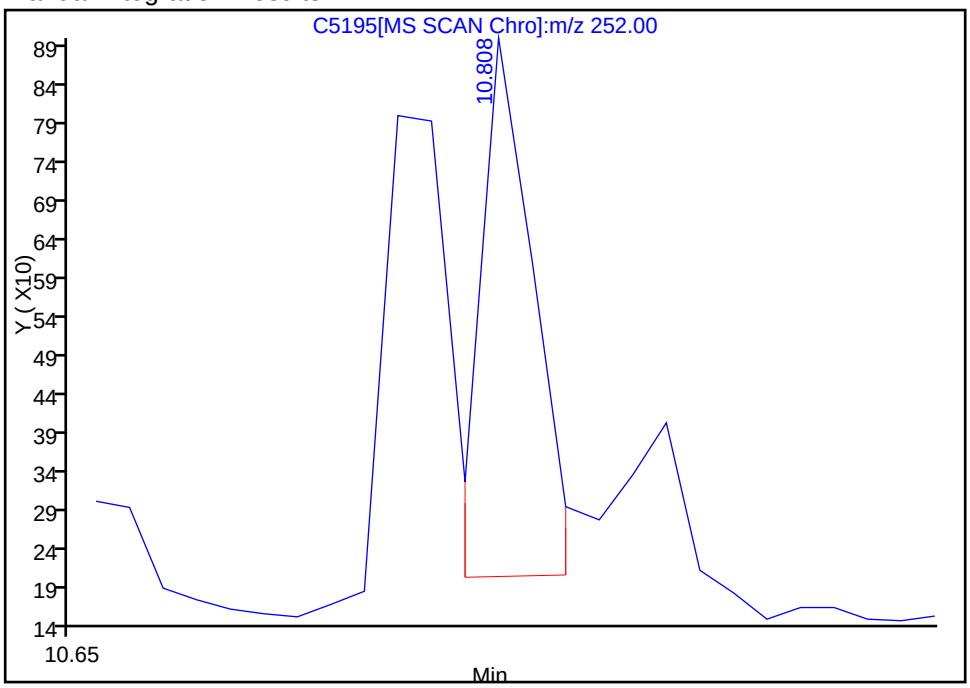
Processing Integration Results

RT: 10.60
Response: 2830
Amount: 2.496881



Manual Integration Results

RT: 10.81
Response: 975
Amount: 0.860210



Reviewer: squiresb, 01-Oct-2011 11:14:40
Audit Action: Manually Integrated
Audit Reason: Assign Peak

Report Date: 02-Oct-2011 20:07:37 Chrom Revision: 1.2 13-Jul-2011 10:43:06

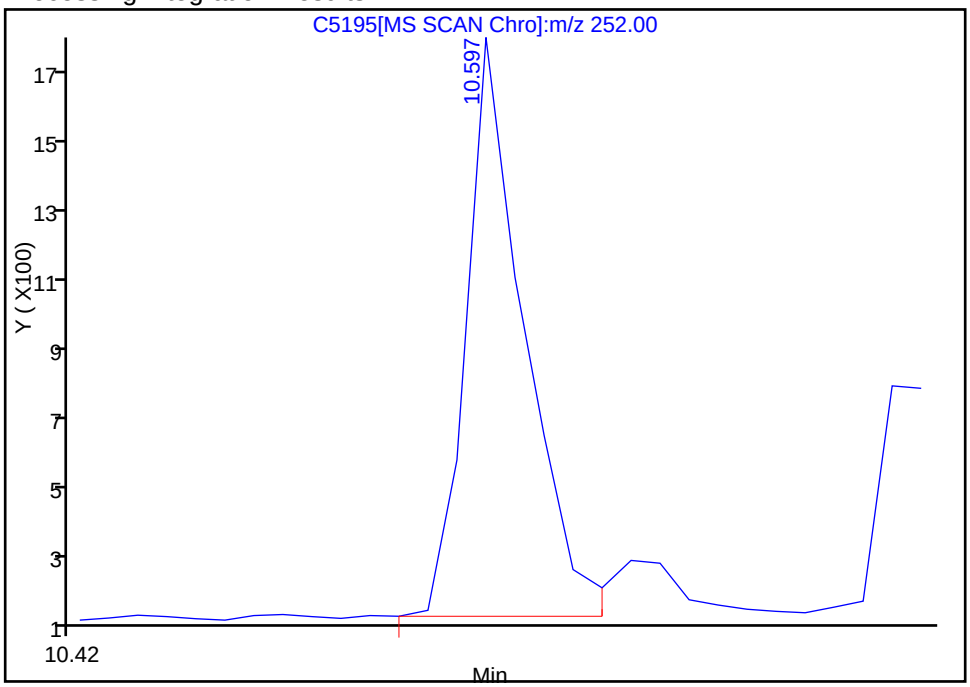
Manual Integration/User Assign Peak Report

Data File:	\\valsvr08\ChromData\SMSB\20110930-5635.b\C5195.D		
Injection Date:	30-Sep-2011 17:38:30	Limit Group:	SMS - 1 - 8270 SIM Calibration
Client ID:	Foundry Fill #1	Instrument ID:	SMSB
Lims Batch ID:	87438	Lims Sample ID:	21
Operator ID:	wds	Injection Vol:	1.00 ul

106 Benzo[b]fluoranthene, Signal: 1, m/z: 252.0 Type: quant, RT: 10.60

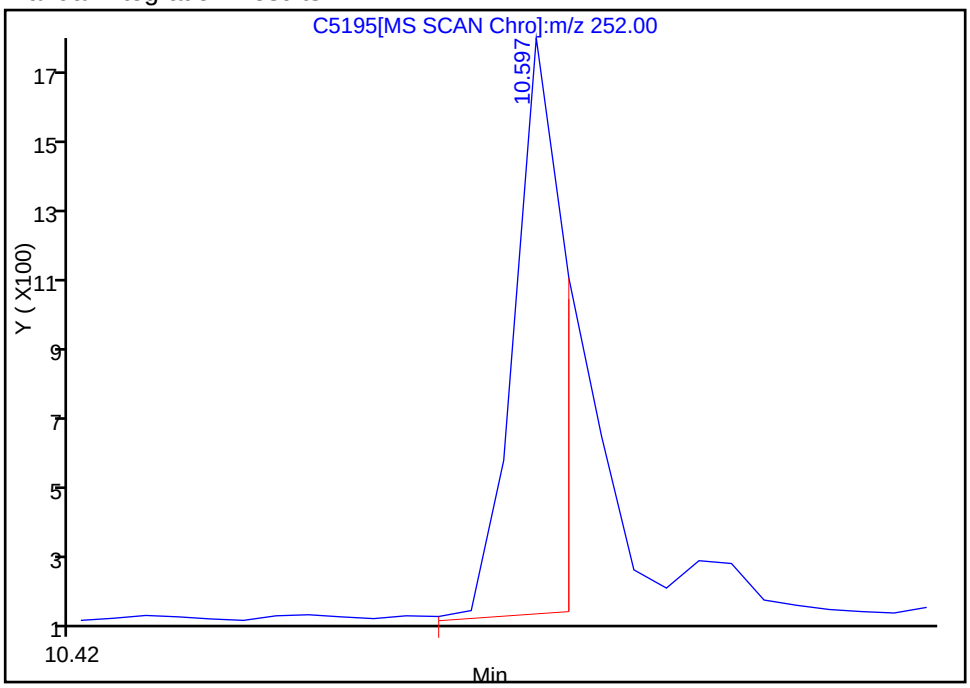
Processing Integration Results

RT: 10.60
Response: 2830
Amount: 2.268583



Manual Integration Results

RT: 10.60
Response: 2283
Amount: 1.830097



Reviewer: squiresb, 02-Oct-2011 20:01:40
Audit Action: Manually Integrated
Audit Reason: Assign Peak

Report Date: 02-Oct-2011 20:07:37 Chrom Revision: 1.2 13-Jul-2011 10:43:06

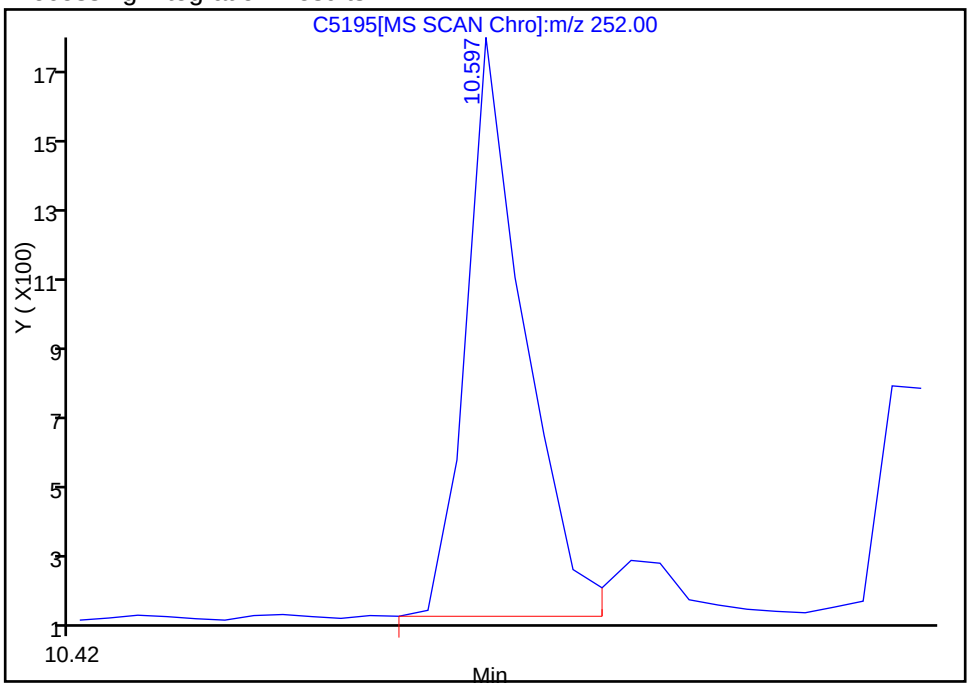
Manual Integration/User Assign Peak Report

Data File:	\\valsvr08\ChromData\SMSB\20110930-5635.b\C5195.D		
Injection Date:	30-Sep-2011 17:38:30	Limit Group:	SMS - 1 - 8270 SIM Calibration
Client ID:	Foundry Fill #1	Instrument ID:	SMSB
Lims Batch ID:	87438	Lims Sample ID:	21
Operator ID:	wds	Injection Vol:	1.00 ul

107 Benzo[k]fluoranthene, Signal: 1, m/z: 252.0 Type: quant, RT: 10.61

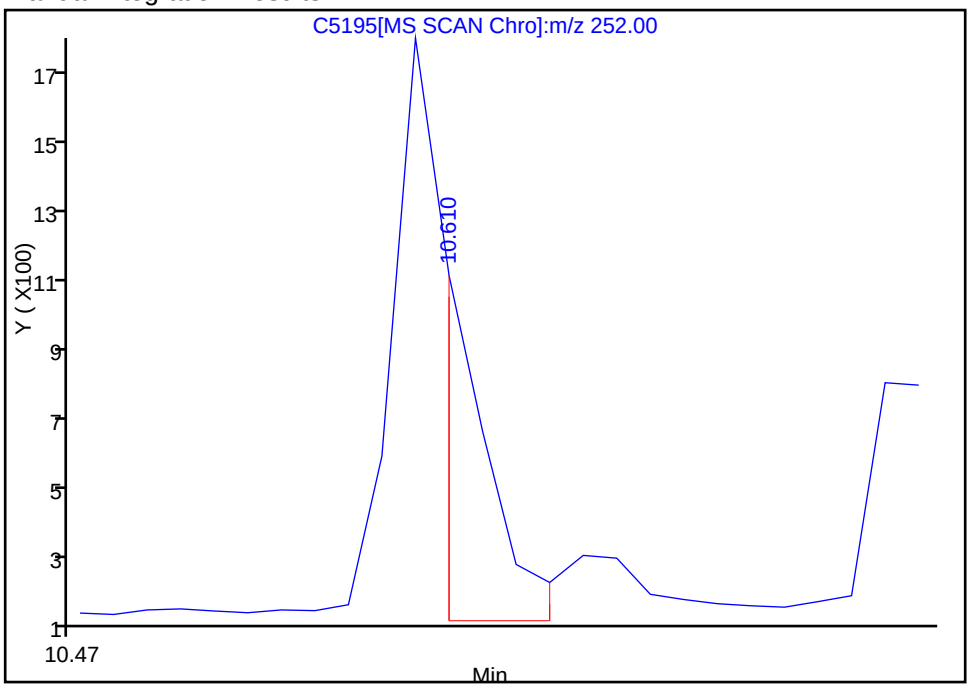
Processing Integration Results

RT: 10.60
Response: 2830
Amount: 1.640060



Manual Integration Results

RT: 10.61
Response: 1347
Amount: 0.780622



Reviewer: squiresb, 02-Oct-2011 20:07:37
Audit Action: Manually Integrated
Audit Reason: Assign Peak

Report Date: 02-Oct-2011 20:07:37 Chrom Revision: 1.2 13-Jul-2011 10:43:06

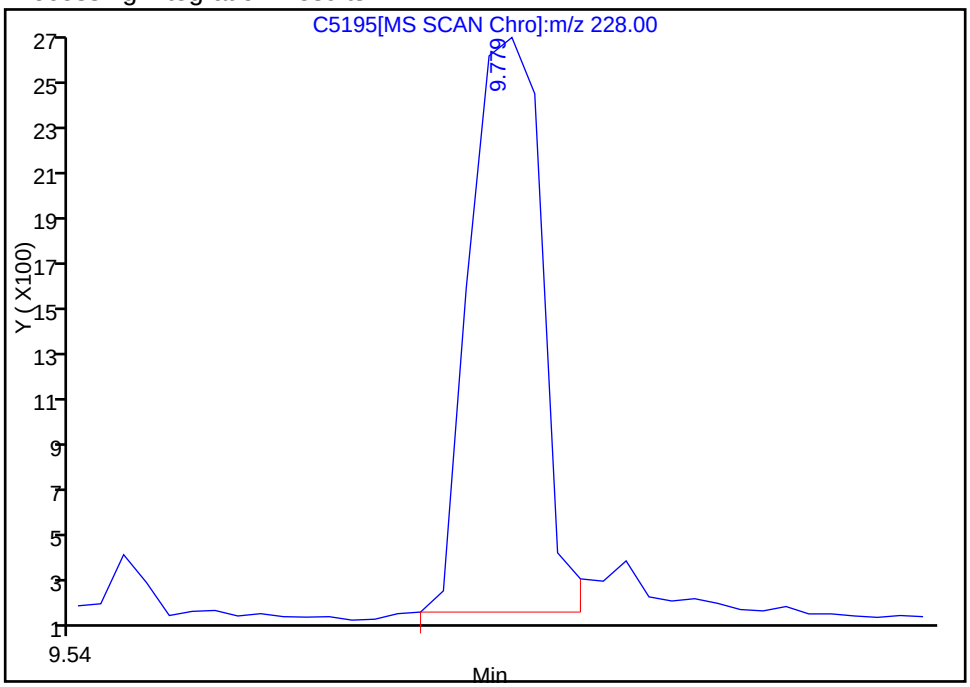
Manual Integration/User Assign Peak Report

Data File:	\\valsvr08\ChromData\SMSB\20110930-5635.b\C5195.D		
Injection Date:	30-Sep-2011 17:38:30	Limit Group:	SMS - 1 - 8270 SIM Calibration
Client ID:	Foundry Fill #1	Instrument ID:	SMSB
Lims Batch ID:	87438	Lims Sample ID:	21
Operator ID:	wds	Injection Vol:	1.00 ul

104 Chrysene, Signal: 1, m/z: 228.0 Type: quant, RT: 9.79

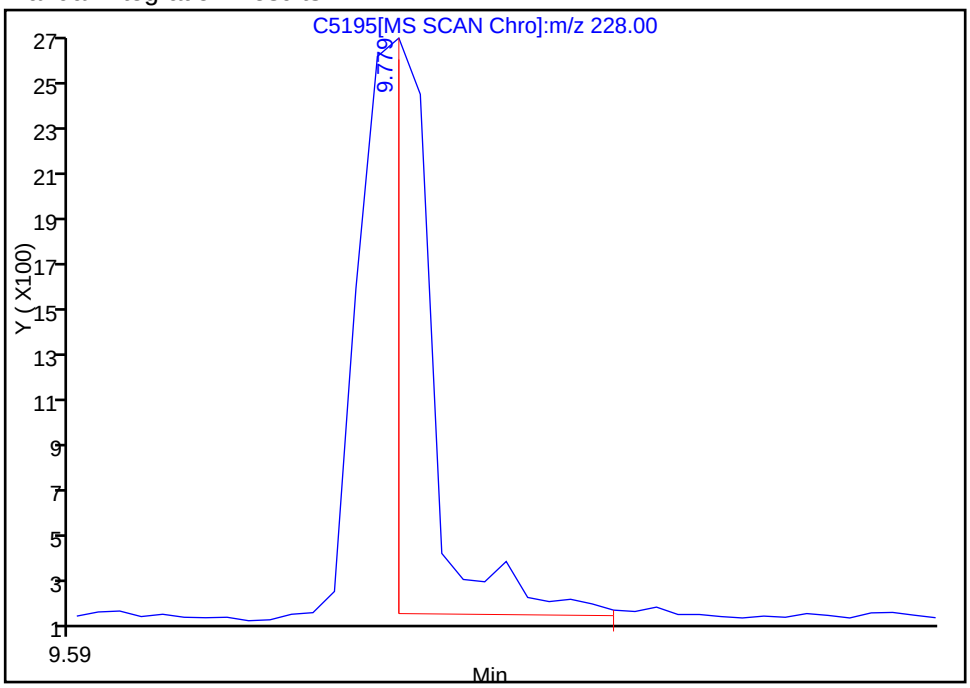
Processing Integration Results

RT: 9.78
Response: 6734
Amount: 1.599637



Manual Integration Results

RT: 9.78
Response: 4323
Amount: 1.026913



Reviewer: squiresb, 01-Oct-2011 11:14:40
Audit Action: Manually Integrated
Audit Reason: Assign Peak

Report Date: 02-Oct-2011 20:07:37 Chrom Revision: 1.2 13-Jul-2011 10:43:06

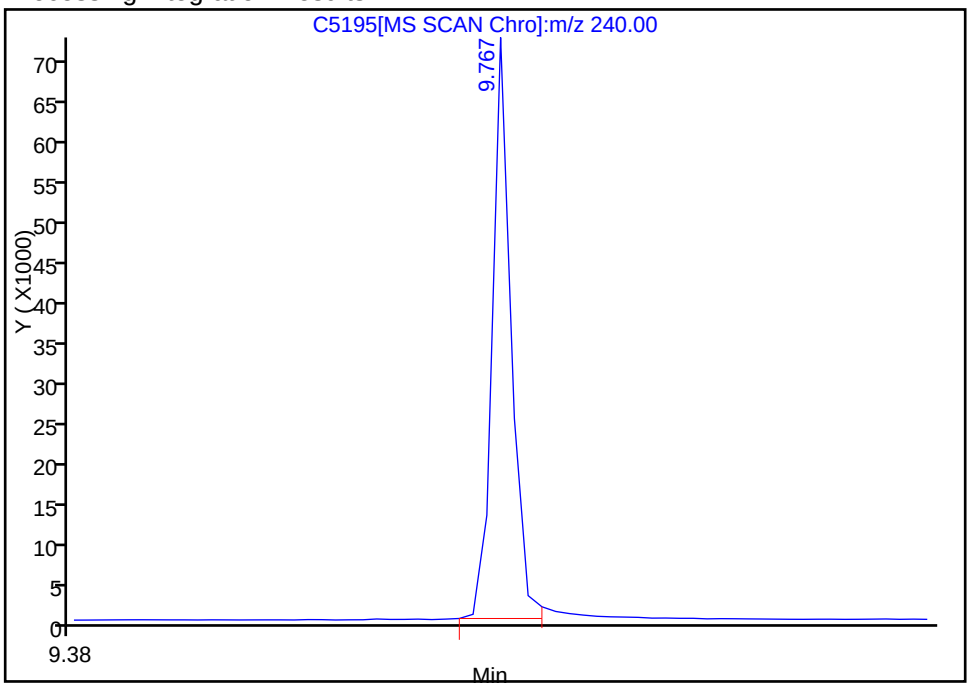
Manual Integration/User Assign Peak Report

Data File:	\\valsvr08\ChromData\SMSB\20110930-5635.b\C5195.D		
Injection Date:	30-Sep-2011 17:38:30	Limit Group:	SMS - 1 - 8270 SIM Calibration
Client ID:	Foundry Fill #1	Instrument ID:	SMSB
Lims Batch ID:	87438	Lims Sample ID:	21
Operator ID:	wds	Injection Vol:	1.00 ul

* 103 Chrysene-d12, Signal: 1, m/z: 240.0 Type: quant, RT: 9.77

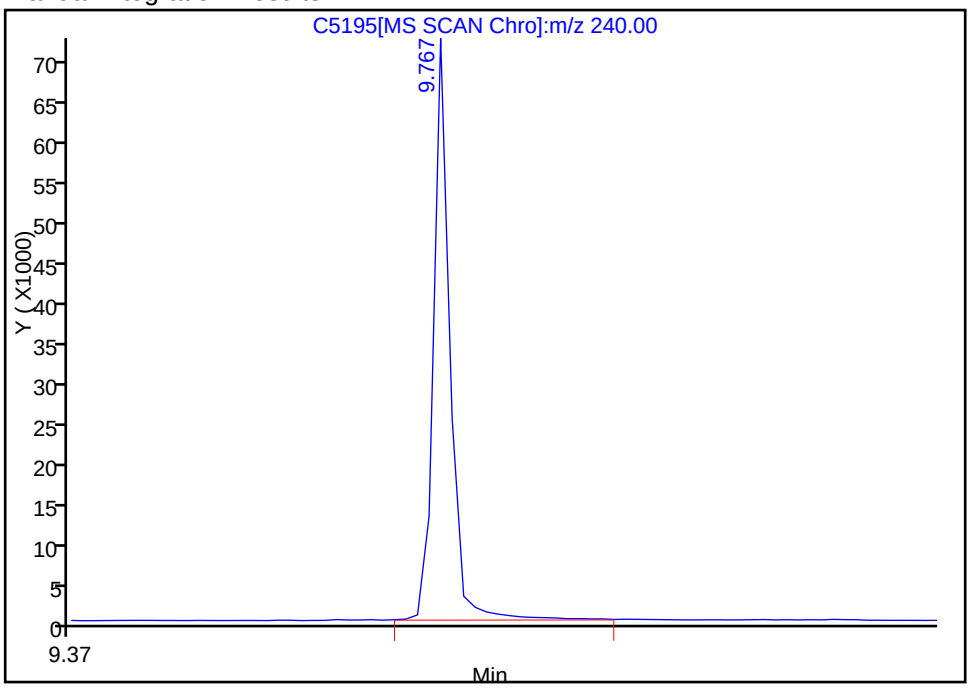
Processing Integration Results

RT: 9.77
Response: 85283
Amount: 40.000000



Manual Integration Results

RT: 9.77
Response: 89122
Amount: 40.000000



Reviewer: squiresb, 01-Oct-2011 11:14:40
Audit Action: Manually Integrated
Audit Reason: Assign Peak

Report Date: 02-Oct-2011 20:07:37 Chrom Revision: 1.2 13-Jul-2011 10:43:06

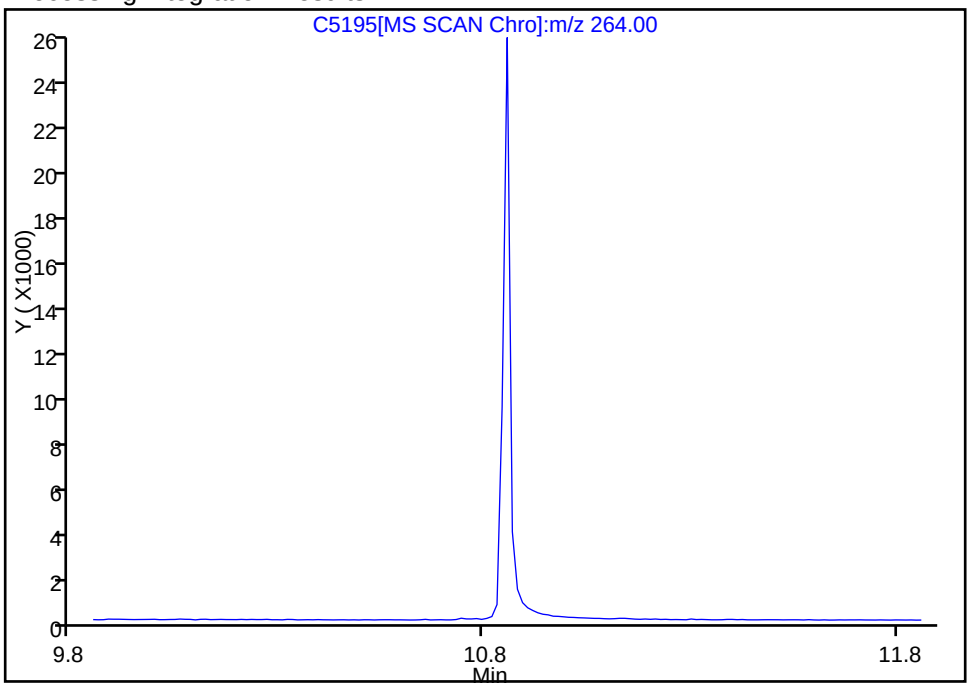
Manual Integration/User Assign Peak Report

Data File:	\\valsvr08\ChromData\SMSB\20110930-5635.b\C5195.D		
Injection Date:	30-Sep-2011 17:38:30	Limit Group:	SMS - 1 - 8270 SIM Calibration
Client ID:	Foundry Fill #1	Instrument ID:	SMSB
Lims Batch ID:	87438	Lims Sample ID:	21
Operator ID:	wds	Injection Vol:	1.00 ul

* 109 Perylene-d12, Signal: 1, m/z: 264.0 Type: quant, RT: 10.86

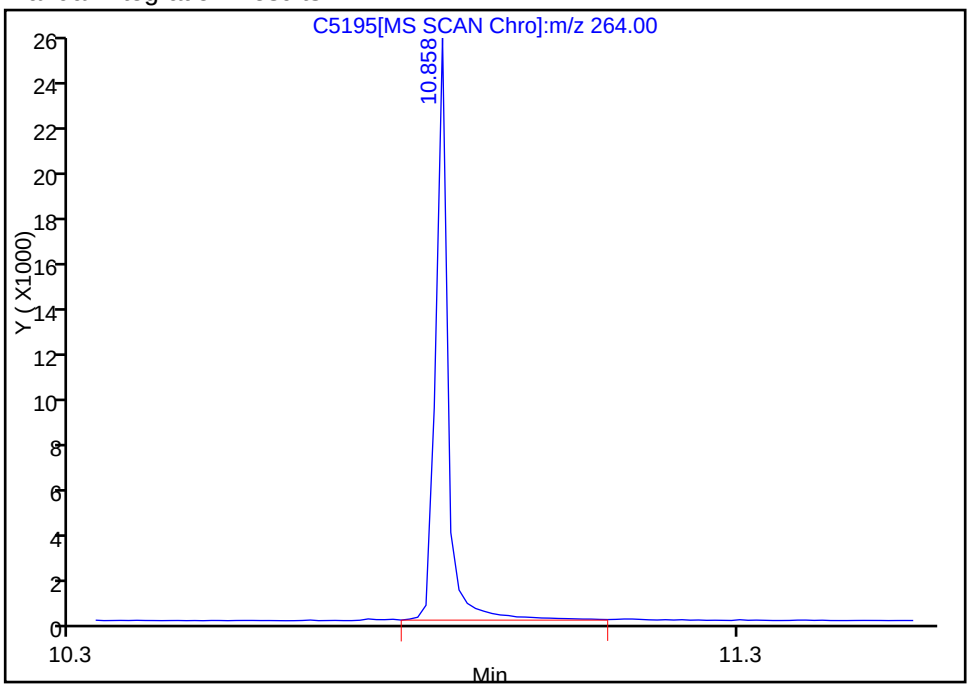
Processing Integration Results

Not Detected
Expected RT: 10.86



Manual Integration Results

RT: 10.86
Response: 32709
Amount: 40.000000



Reviewer: squiresb, 01-Oct-2011 11:14:40
Audit Action: Manually Integrated
Audit Reason: Assign Peak

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Valparaiso | Job No.: 510-70378-1

SDG No.: 0058-373-01

Client Sample ID: Foundry Fill #2 | Lab Sample ID: 510-70378-2

Matrix: Solid | Lab File ID: C5196.D

Analysis Method: 8270C SIM | Date Collected: 09/23/2011 09:15

Extract. Method: 3541 | Date Extracted: 09/29/2011 08:23

Sample wt/vol: 30.47(g) | Date Analyzed: 09/30/2011 17:56

Con. Extract Vol.: 1(mL) | Dilution Factor: 1

Injection Volume: 1(uL) | Level: (low/med) Low

% Moisture: 5.7 | GPC Cleanup:(Y/N) N

Analysis Batch No.: 87438 | Units: mg/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
83-32-9	Acenaphthene	<0.021		0.021	0.0026
208-96-8	Acenaphthylene	<0.021		0.021	0.0033
120-12-7	Anthracene	<0.021		0.021	0.0033
56-55-3	Benzo[a]anthracene	0.10		0.021	0.0022
50-32-8	Benzo[a]pyrene	0.11		0.021	0.0018
205-99-2	Benzo[b]fluoranthene	0.16		0.021	0.0030
191-24-2	Benzo[g,h,i]perylene	0.052		0.021	0.0023
207-08-9	Benzo[k]fluoranthene	0.12		0.021	0.0022
218-01-9	Chrysene	0.18		0.021	0.0021
53-70-3	Dibenz(a,h)anthracene	<0.021		0.021	0.0028
206-44-0	Fluoranthene	0.14		0.021	0.0042
129-00-0	Pyrene	0.18		0.021	0.0039
86-73-7	Fluorene	<0.021		0.021	0.0028
193-39-5	Indeno[1,2,3-cd]pyrene	0.057		0.021	0.0023
91-20-3	Naphthalene	0.078		0.021	0.0034
85-01-8	Phenanthrene	0.18		0.021	0.0032

CAS NO.	SURROGATE	%REC	Q	LIMITS
1718-51-0	Terphenyl-d14	82		10-194
4165-60-0	Nitrobenzene-d5	31		10-117
321-60-8	2-Fluorobiphenyl	41		16-110

TestAmerica Laboratories
Target Compound Quantitation Report

Data File:	\\valsvr08\ChromData\SMSB\20110930-5635.b\C5196.D		
Lims ID:	510-70378-F-2-B	Client ID:	Foundry Fill #2
Inject. Date:	30-Sep-2011 17:56:30	Dil. Factor:	1.0000
Sample Type:	Client		
Sample ID:	510-70378-2		
Misc. Info.:	510-0005635-022 =510-0005635-022		
Operator:	wds	Instrument ID:	SMSB
Vol. Injected:	1.0000	ALS Bottle#:	22
Lims Batch ID:	87438	Lims Sample ID:	22
Detector:	MS SCAN		
Method:	\\valsvr08\ChromData\SMSB\20110930-5635.b\SIM-PNAB.m		
Last Update:	30-Sep-2011 12:10:55	Calib Date:	19-Aug-2011 12:50:30
Quant Method:	Internal Standard	Quant By:	Initial Calibration
Last ICal File:	\\valsvr08\ChromData\SMSB\20110819-5411.b\C4928.D		
Limit Group:	SMS - 1 - 8270 SIM Calibration		
Integrator:	RTE	ID Type:	RT Order ID
Process Host:	VAL-SMS-LAB1		
First Level Reviewer: squiresb		Date:	01-Oct-2011 11:16:12

Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/ml	Ratio Range	Ratio	Flags
* 40 1,4-Dichlorobenzene-d4									
152	1.462	1.465	-0.003	1	140007	40.0	70.0- 130.0	100.0	
115	1.451	1.465	-0.014		61926		21.2- 81.2	44.2	
$ 49 Nitrobenzene-d5									
82	2.193	2.207	-0.014	1	64287	15.4	70.0- 130.0	100.0	
128	2.193	2.207	-0.014		39353		224.8- 284.8	61.2	
54	2.193	2.207	-0.014		29569		4.7- 64.7	46.0	
* 57 Naphthalene-d8									
136	3.053	3.056	-0.003	1	306092	40.0	70.0- 130.0	100.0	
58 Naphthalene									
128	3.074	3.078	-0.004	1	22739	2.25	70.0- 130.0	100.0	
129	3.074	3.078	-0.004		2664		0.0- 41.0	11.7	
127	3.074	3.078	-0.004		2916		0.0- 42.6	12.8	
$ 66 2-Fluorobiphenyl									
172	4.440	4.443	-0.003	1	172245	20.3			
* 73 Acenaphthene-d10									
164	5.144	5.145	-0.001	1	175645	40.0	70.0- 130.0	100.0	
162	5.144	5.145	-0.001		151264		57.3- 117.3	86.1	
* 90 Phenanthrene-d10									
188	6.854	6.855	-0.001	1	250801	40.0	70.0- 130.0	100.0	
91 Phenanthrene									
178	6.879	6.867	0.012	1	45041	5.13	70.0- 130.0	100.0	
179	6.879	6.867	0.012		7069		0.0- 46.0	15.7	
92 Anthracene									
178	6.928	6.929	-0.001	1	5097	0.5735	70.0- 130.0	100.0	
179	6.928	6.929	-0.001		924		0.0- 45.4	18.1	

Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/ml	Ratio Range	Ratio	Flags
95 Fluoranthene									
202	8.379	8.380	-0.001	3	35367	4.11	70.0- 130.0	100.0	
101	8.379	8.380	-0.001		4304		0.0- 44.0	12.2	
203	8.379	8.380	-0.001		5573		0.0- 47.6	15.8	
97 Pyrene									
202	8.602	8.603	-0.001	21	31968	5.28	70.0- 130.0	100.0	
101	8.602	8.603	-0.001		5186		0.0- 45.8	16.2	
$ 98 Terphenyl-d14									
244	8.899	8.900	-0.001	1	97937	41.2	70.0- 130.0	100.0	
122	8.899	8.900	-0.001		17597		0.0- 49.6	18.0	
101 Benzo[a]anthracene									M
228	9.767	9.755	0.012	1	14642	2.98	70.0- 130.0	100.0	M
229	9.791	9.755	0.036		12031		0.0- 49.9	82.2	
226	9.791	9.755	0.036		11111		0.0- 55.6	75.9	
* 103 Chrysene-d12									M
240	9.779	9.768	0.011	1	121322	40.0	70.0- 130.0	100.0	M
104 Chrysene									M
228	9.791	9.792	-0.001	1	30408	5.31	70.0- 130.0	100.0	M
226	9.791	9.792	-0.001		11111		0.0- 53.0	36.5	
229	9.791	9.792	-0.001		12031		0.0- 48.8	39.6	
106 Benzo[b]fluoranthene									M
252	10.610	10.598	0.012	1	8723	4.70	70.0- 130.0	100.0	M
253	10.610	10.598	0.012		2497		20.6- 80.6	28.6	
107 Benzo[k]fluoranthene									M
252	10.610	10.610	0.000	1	8587	3.35	70.0- 130.0	100.0	M
253	10.610	10.610	0.000		2497		0.0- 58.6	29.1	
108 Benzo[a]pyrene									
252	10.820	10.809	0.011	1	5142	3.05	70.0- 130.0	100.0	
253	10.820	10.809	0.011		1348		0.0- 54.6	26.2	
* 109 Perylene-d12									M
264	10.870	10.858	0.012	0	48646	40.0	70.0- 130.0	100.0	M
110 Indeno[1,2,3-cd]pyrene									
276	11.527	11.515	0.012	1	1669	1.65	70.0- 130.0	100.0	
138	11.514	11.515	-0.001		640		0.0- 47.5	38.3	
24 Benzo[g,h,i]perylene									
276	11.663	11.664	-0.001	1	2297	1.49	70.0- 130.0	100.0	
138	11.651	11.664	-0.013		902		0.0- 58.0	39.3	

QC Flag Legend

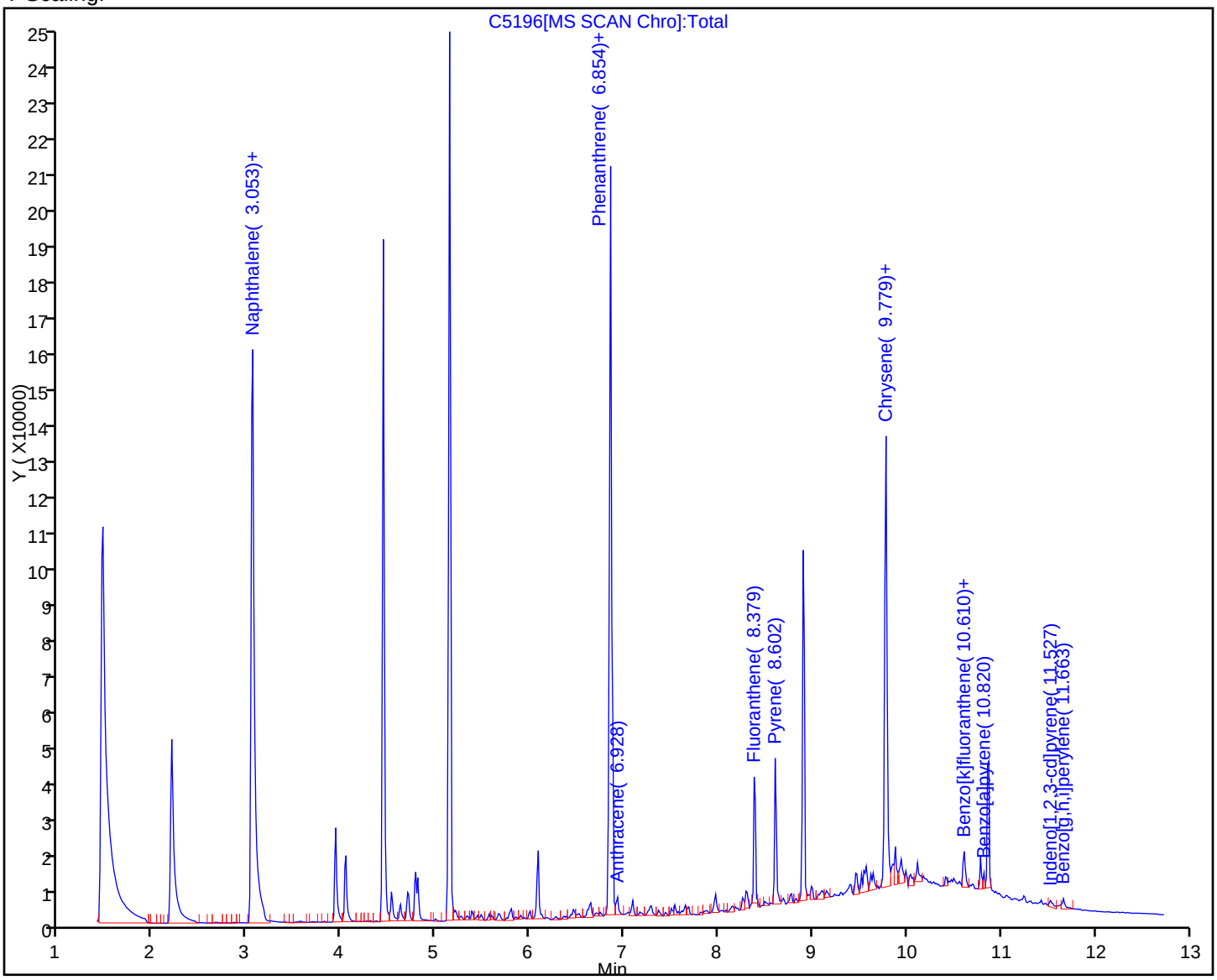
Review Flags
M - Manually Integrated

Report Date: 02-Oct-2011 20:07:49 Chrom Revision: 1.2 13-Jul-2011 10:43:06

Data File: \\valsvr08\ChromData\SMSB\20110930-5635.b\C5196.D

Injection Date:	30-Sep-2011 17:56:30	Limit Group:	SMS - 1 - 8270 SIM Calibration
Client ID:	Foundry Fill #2	Instrument ID:	SMSB
Lims Batch ID:	87438	Lims Sample ID:	22
Operator ID:	wds	Injection Vol:	1.00 ul

Y Scaling:



Report Date: 02-Oct-2011 20:07:49 Chrom Revision: 1.2 13-Jul-2011 10:43:06

Data File: \\valsvr08\ChromData\SMSB\20110930-5635.b\C5196.D

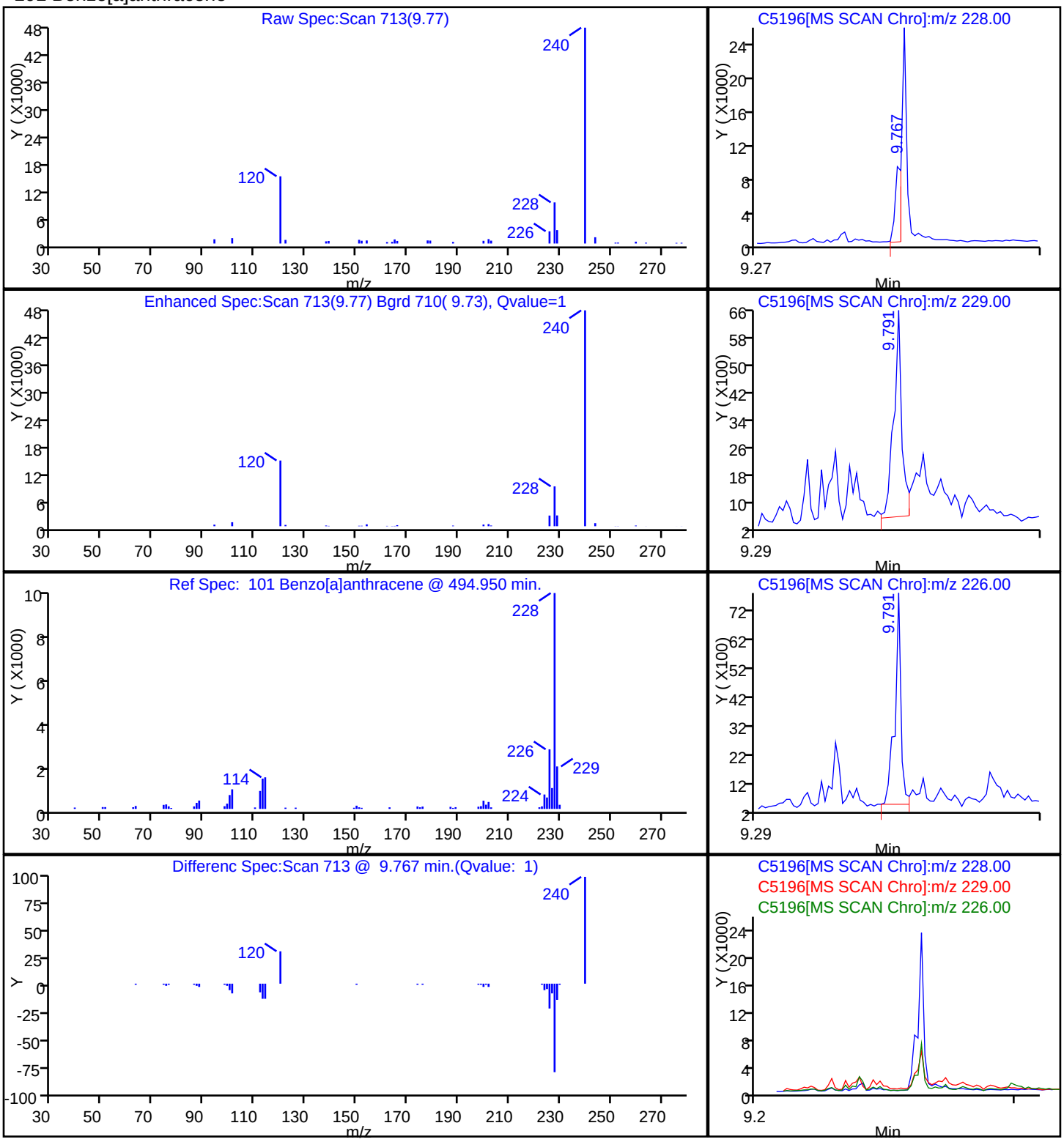
Injection Date: 30-Sep-2011 17:56:30 Limit Group: SMS - 1 - 8270 SIM Calibration

Client ID: Foundry Fill #2 Instrument ID: SMSB

Lims Batch ID: 87438 Lims Sample ID: 22

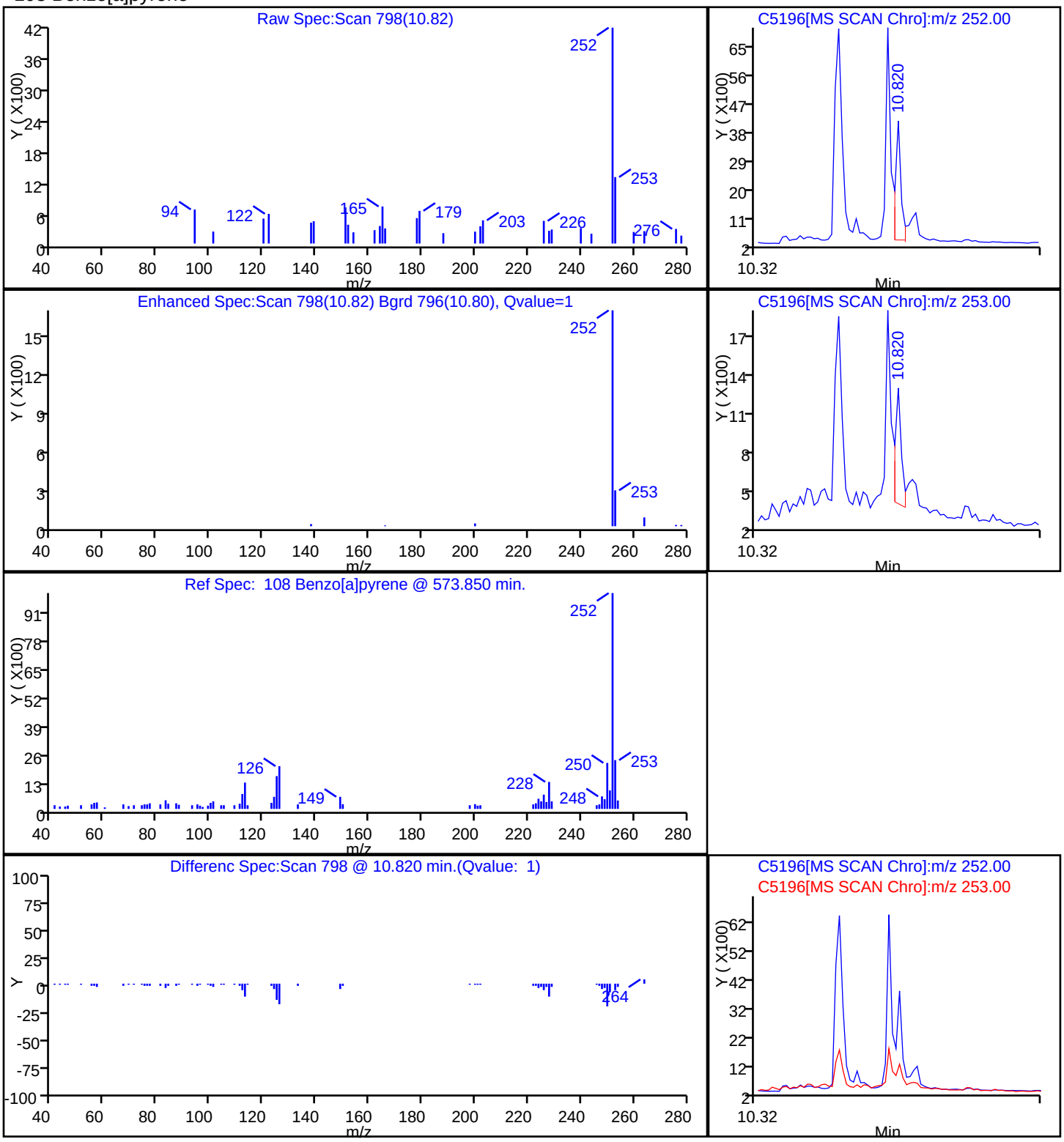
Operator ID: wds Injection Vol: 1.00 ul

101 Benzo[a]anthracene

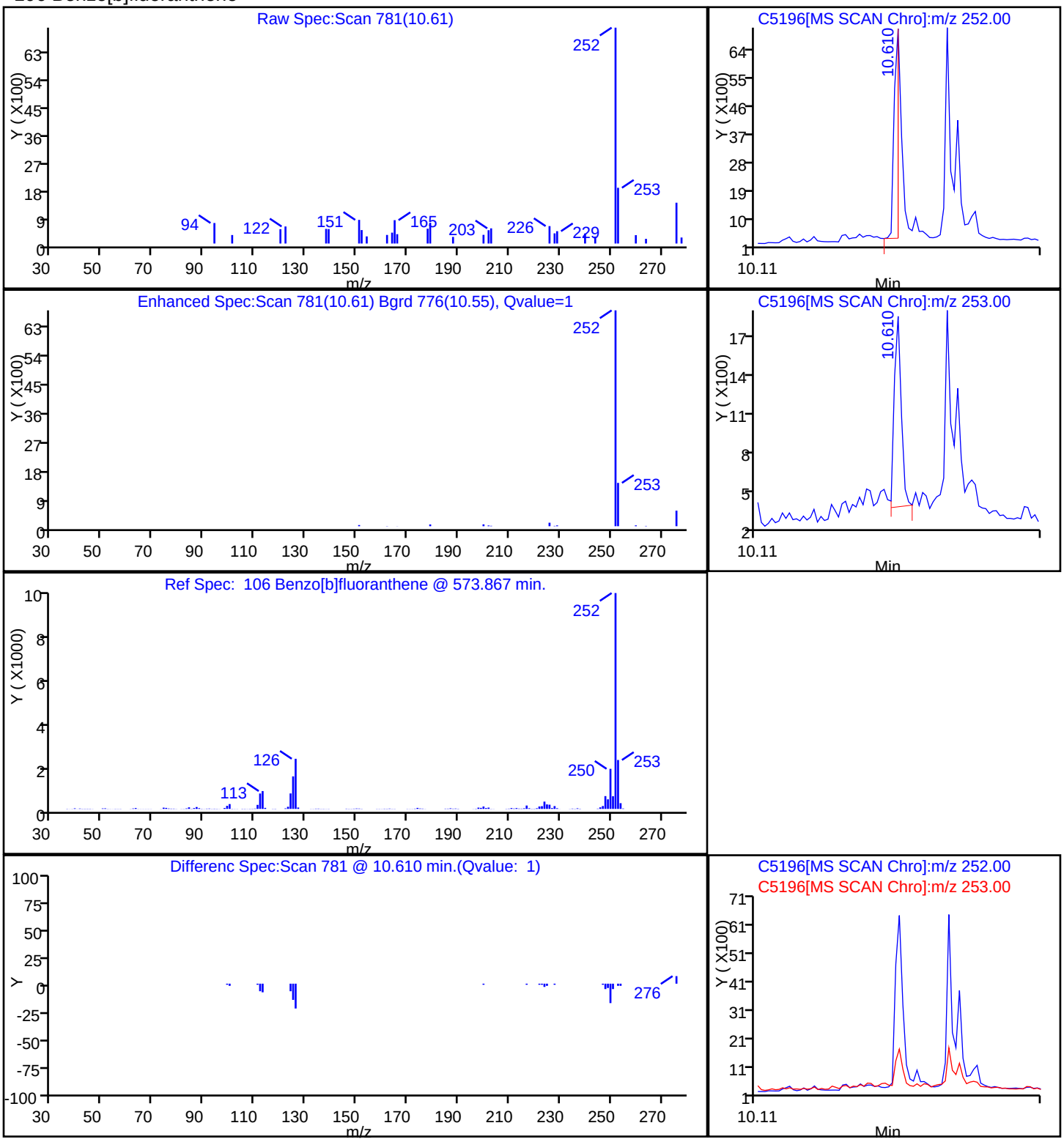


Report Date: 02-Oct-2011 20:07:50 Chrom Revision: 1.2 13-Jul-2011 10:43:06
Data File: \\valsvr08\ChromData\SMSB\20110930-5635.b\C5196.D
Injection Date: 30-Sep-2011 17:56:30 Limit Group: SMS - 1 - 8270 SIM Calibration
Client ID: Foundry Fill #2 Instrument ID: SMSB
Lims Batch ID: 87438 Lims Sample ID: 22
Operator ID: wds Injection Vol: 1.00 ul

108 Benzo[a]pyrene



Report Date: 02-Oct-2011 20:07:50 Chrom Revision: 1.2 13-Jul-2011 10:43:06
Data File: \\valsvr08\ChromData\SMSB\20110930-5635.b\C5196.D
Injection Date: 30-Sep-2011 17:56:30 Limit Group: SMS - 1 - 8270 SIM Calibration
Client ID: Foundry Fill #2 Instrument ID: SMSB
Lims Batch ID: 87438 Lims Sample ID: 22
Operator ID: wds Injection Vol: 1.00 ul
106 Benzo[b]fluoranthene

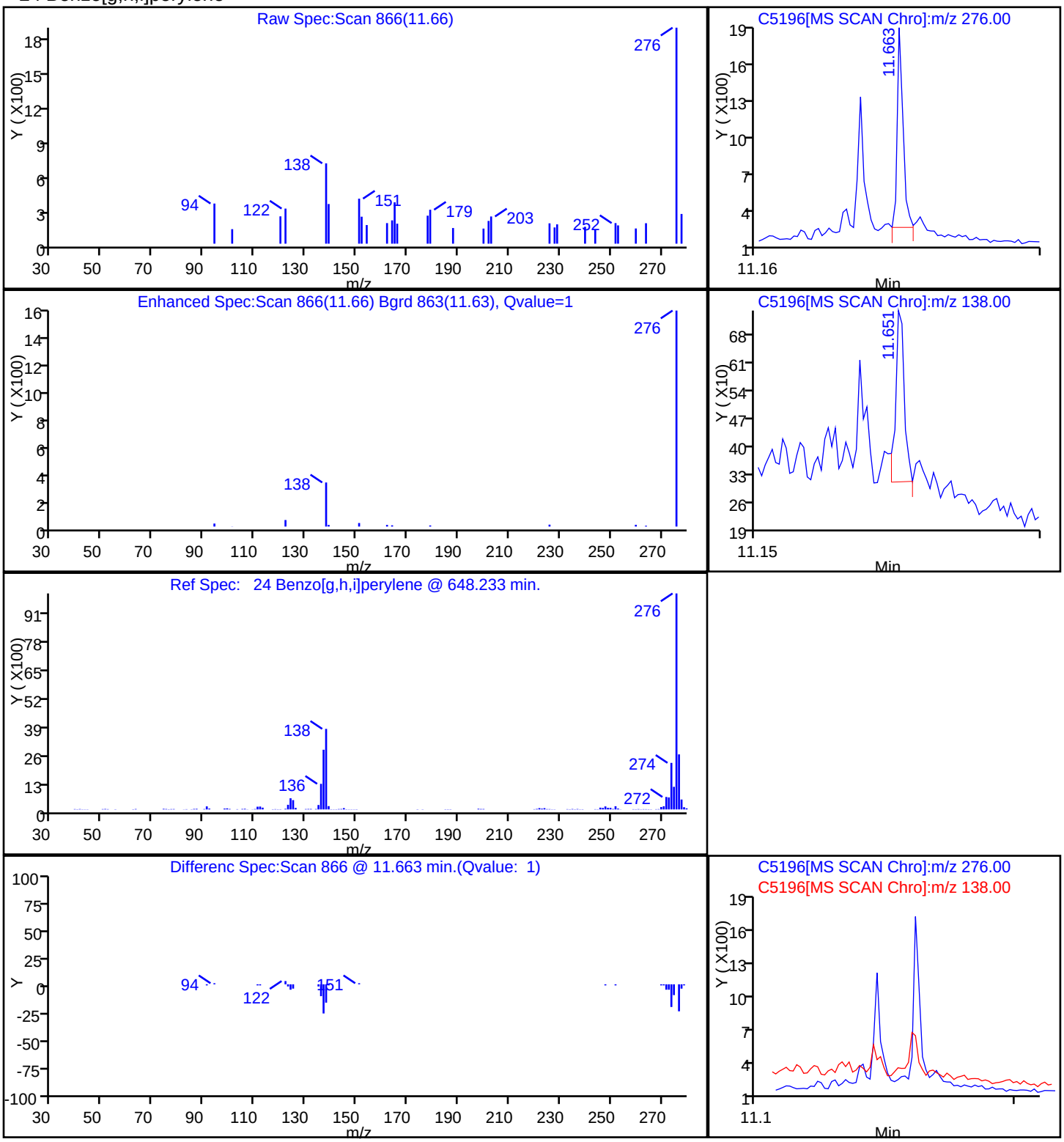


Report Date: 02-Oct-2011 20:07:50 Chrom Revision: 1.2 13-Jul-2011 10:43:06

Data File: \\valsvr08\ChromData\SMSB\20110930-5635.b\C5196.D

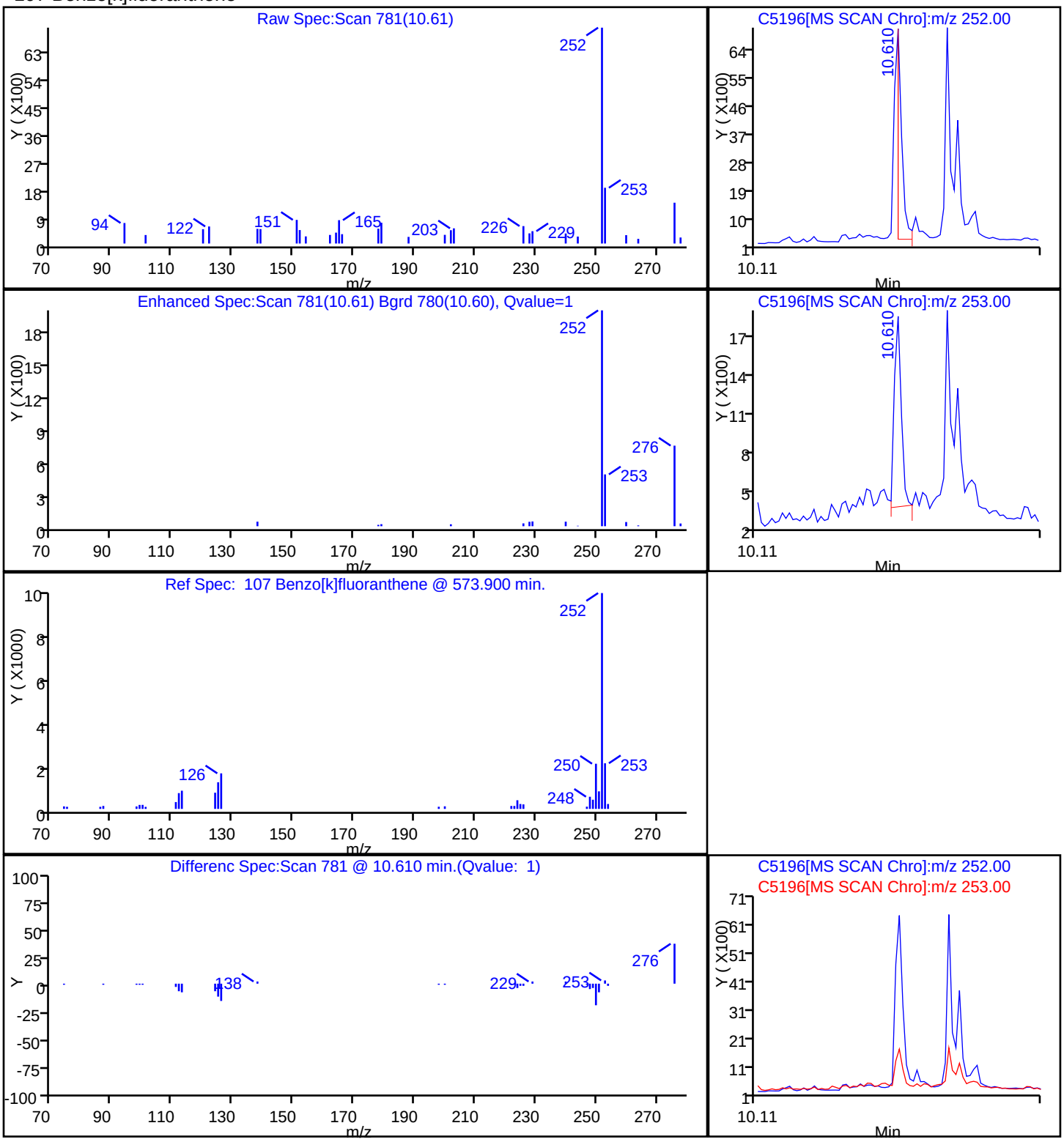
Injection Date:	30-Sep-2011 17:56:30	Limit Group:	SMS - 1 - 8270 SIM Calibration
Client ID:	Foundry Fill #2	Instrument ID:	SMSB
Lims Batch ID:	87438	Lims Sample ID:	22
Operator ID:	wds	Injection Vol:	1.00 ul

24 Benzo[g,h,i]perylene



Report Date: 02-Oct-2011 20:07:50 Chrom Revision: 1.2 13-Jul-2011 10:43:06
Data File: \\valsvr08\ChromData\SMSB\20110930-5635.b\C5196.D
Injection Date: 30-Sep-2011 17:56:30 Limit Group: SMS - 1 - 8270 SIM Calibration
Client ID: Foundry Fill #2 Instrument ID: SMSB
Lims Batch ID: 87438 Lims Sample ID: 22
Operator ID: wds Injection Vol: 1.00 ul

107 Benzo[k]fluoranthene



Report Date: 02-Oct-2011 20:07:50 Chrom Revision: 1.2 13-Jul-2011 10:43:06

Data File: \\valsvr08\ChromData\SMSB\20110930-5635.b\C5196.D

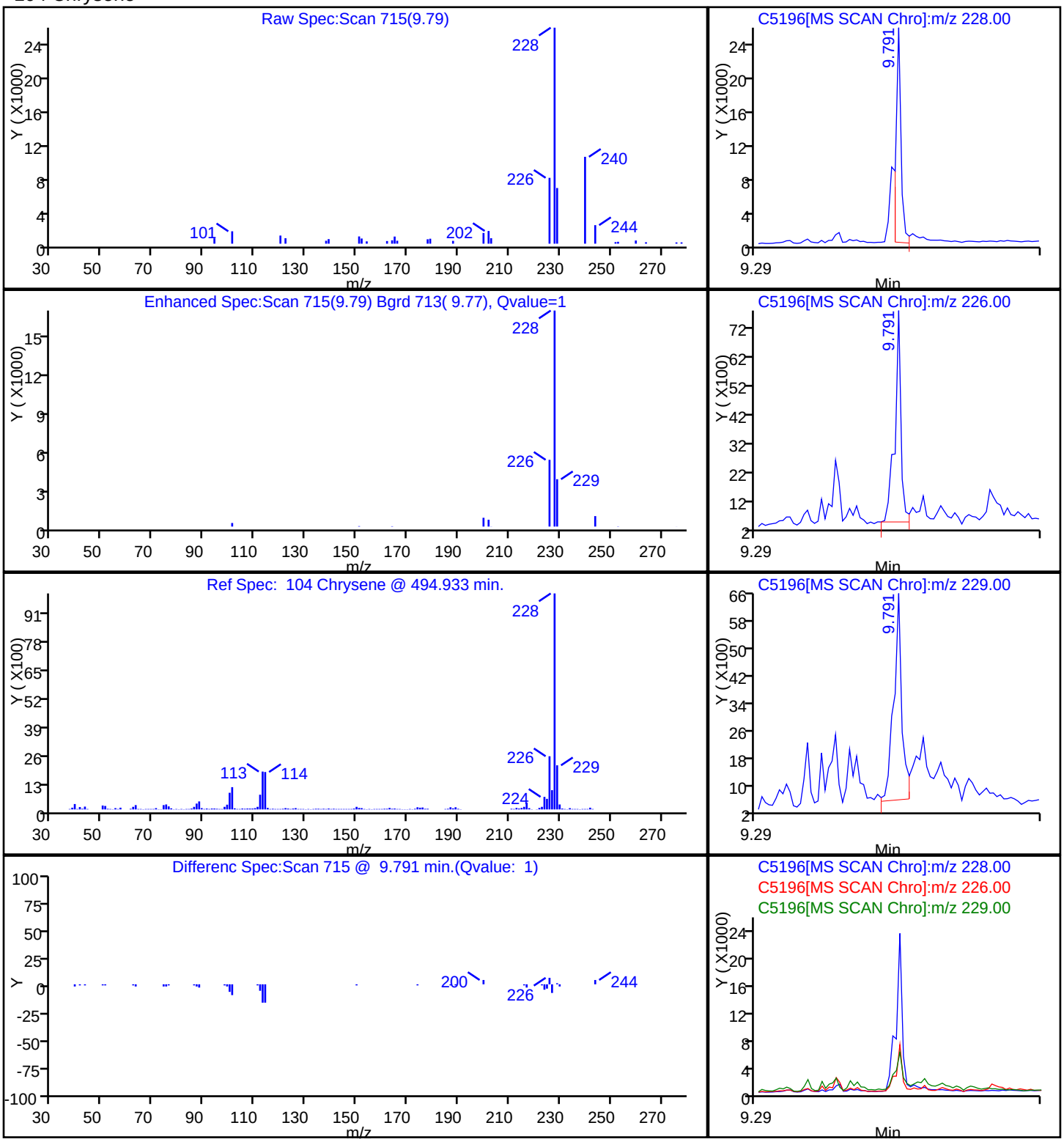
Injection Date: 30-Sep-2011 17:56:30 Limit Group: SMS - 1 - 8270 SIM Calibration

Client ID: Foundry Fill #2 Instrument ID: SMSB

Lims Batch ID: 87438 Lims Sample ID: 22

Operator ID: wds Injection Vol: 1.00 ul

104 Chrysene

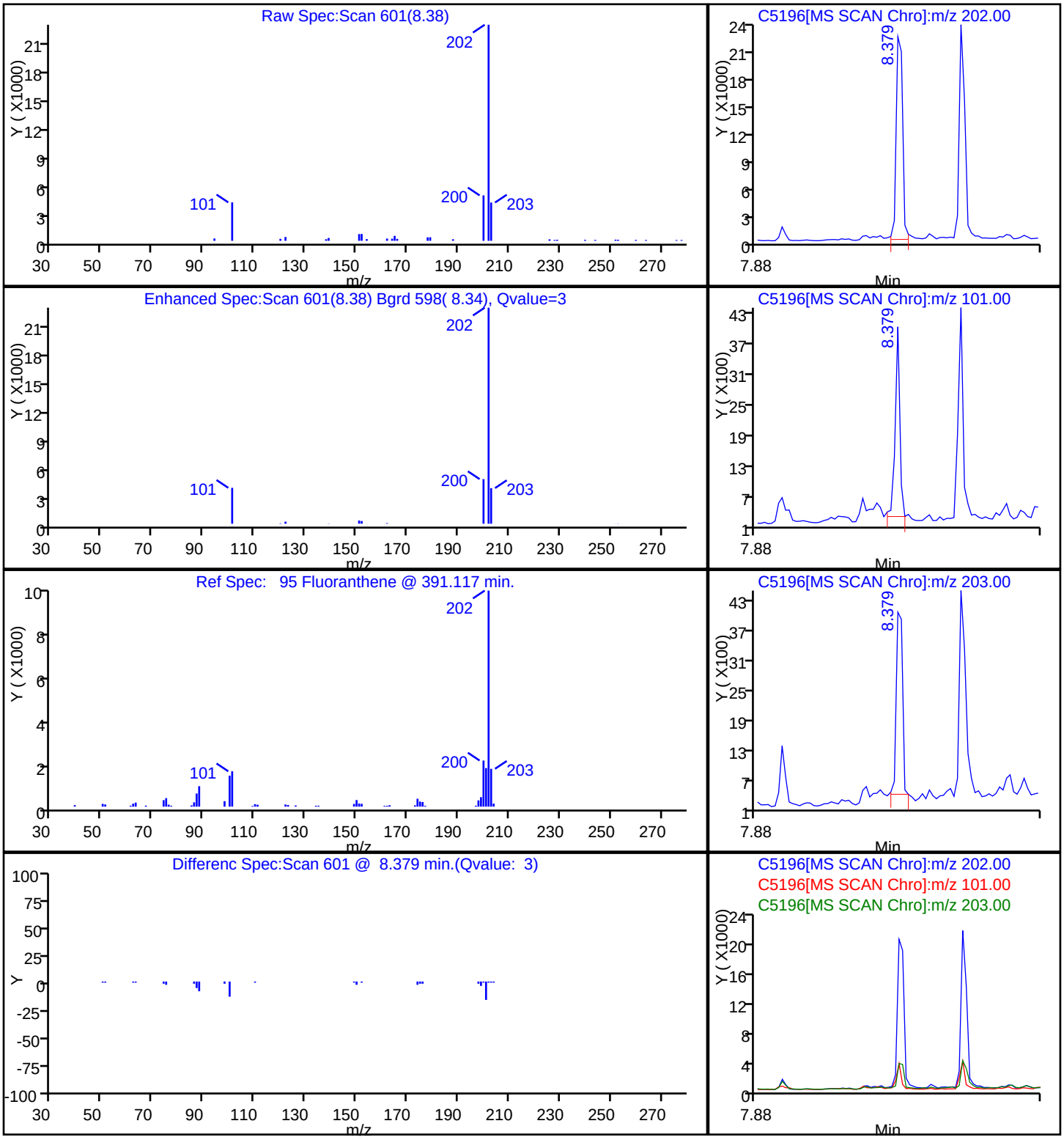


Report Date: 02-Oct-2011 20:07:49 Chrom Revision: 1.2 13-Jul-2011 10:43:06

Data File: \\valsvr08\ChromData\SMSB\20110930-5635.b\C5196.D

Injection Date:	30-Sep-2011 17:56:30	Limit Group:	SMS - 1 - 8270 SIM Calibration
Client ID:	Foundry Fill #2	Instrument ID:	SMSB
Lims Batch ID:	87438	Lims Sample ID:	22
Operator ID:	wds	Injection Vol:	1.00 ul

95 Fluoranthene



Report Date: 02-Oct-2011 20:07:49 Chrom Revision: 1.2 13-Jul-2011 10:43:06

Data File: \\valsvr08\ChromData\SMSB\20110930-5635.b\C5196.D

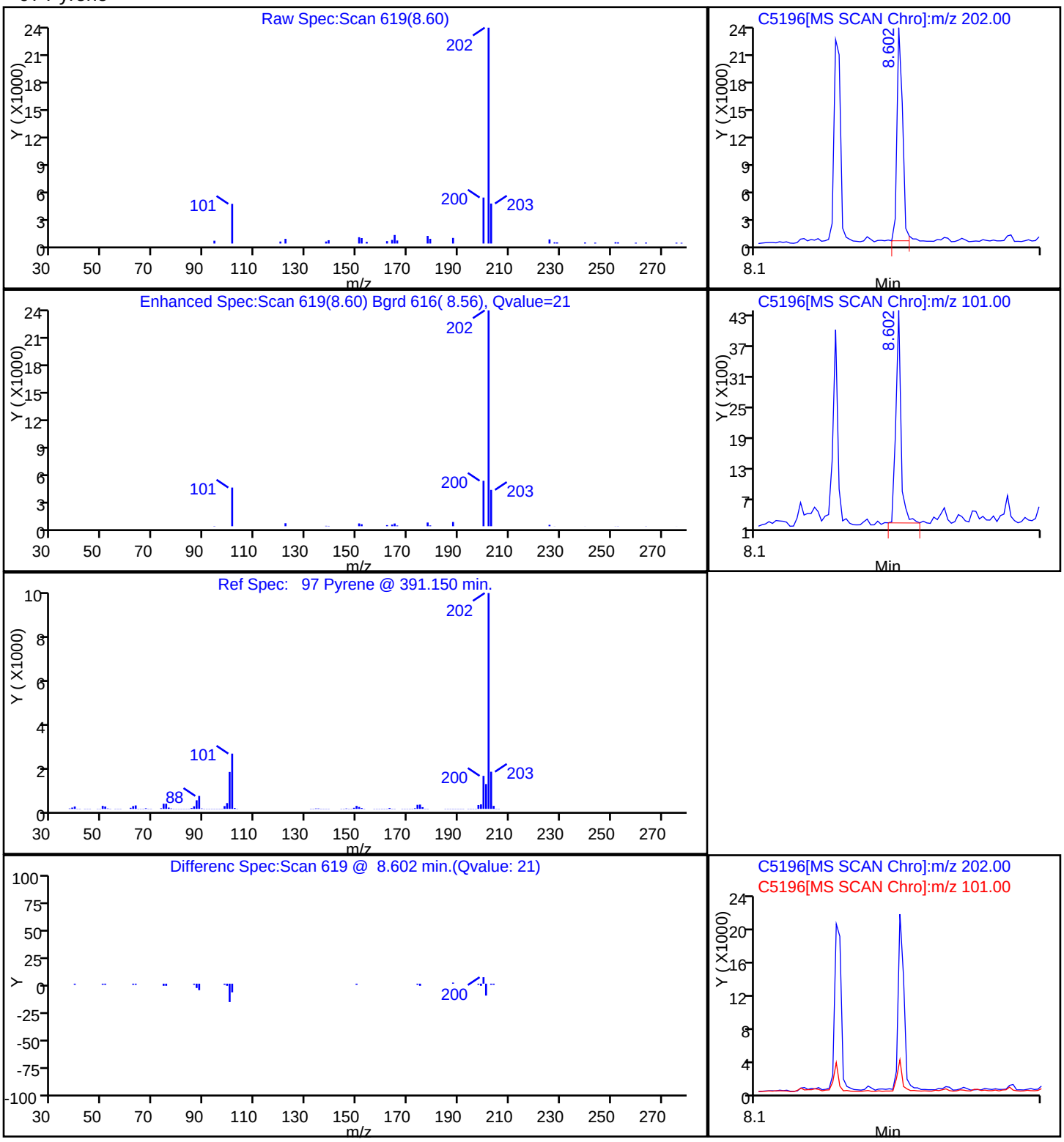
Injection Date: 30-Sep-2011 17:56:30 Limit Group: SMS - 1 - 8270 SIM Calibration

Client ID: Foundry Fill #2 Instrument ID: SMSB

Lims Batch ID: 87438 Lims Sample ID: 22

Operator ID: wds Injection Vol: 1.00 ul

97 Pyrene



Report Date: 02-Oct-2011 20:07:50 Chrom Revision: 1.2 13-Jul-2011 10:43:06

Data File: \\valsvr08\ChromData\SMSB\20110930-5635.b\C5196.D

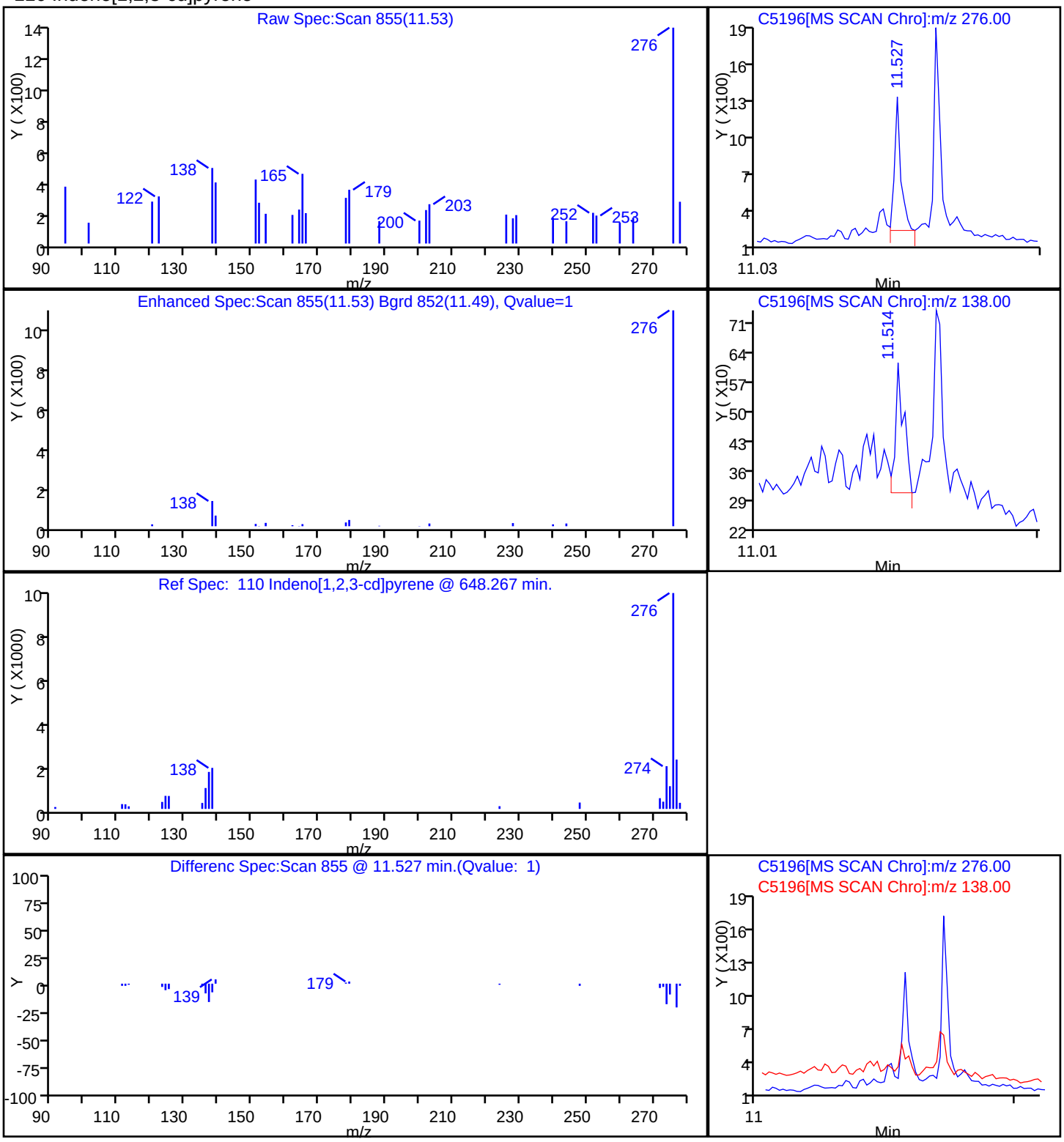
Injection Date: 30-Sep-2011 17:56:30 Limit Group: SMS - 1 - 8270 SIM Calibration

Client ID: Foundry Fill #2 Instrument ID: SMSB

Lims Batch ID: 87438 Lims Sample ID: 22

Operator ID: wds Injection Vol: 1.00 ul

110 Indeno[1,2,3-cd]pyrene

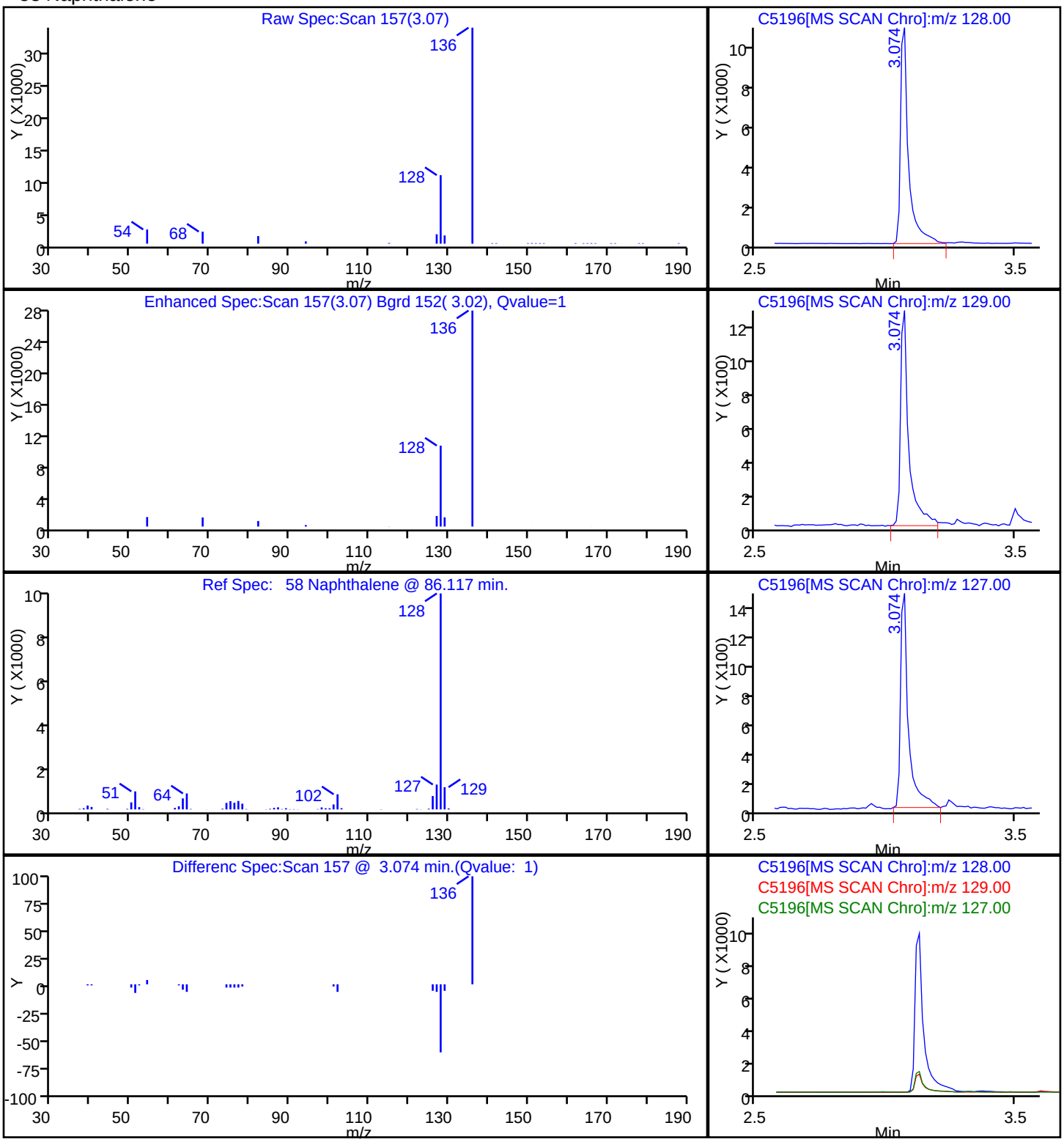


Report Date: 02-Oct-2011 20:07:49 Chrom Revision: 1.2 13-Jul-2011 10:43:06

Data File: \\valsvr08\ChromData\SMSB\20110930-5635.b\C5196.D

Injection Date:	30-Sep-2011 17:56:30	Limit Group:	SMS - 1 - 8270 SIM Calibration
Client ID:	Foundry Fill #2	Instrument ID:	SMSB
Lims Batch ID:	87438	Lims Sample ID:	22
Operator ID:	wds	Injection Vol:	1.00 ul

58 Naphthalene



Report Date: 02-Oct-2011 20:07:49 Chrom Revision: 1.2 13-Jul-2011 10:43:06

Data File: \\valsvr08\ChromData\SMSB\20110930-5635.b\C5196.D

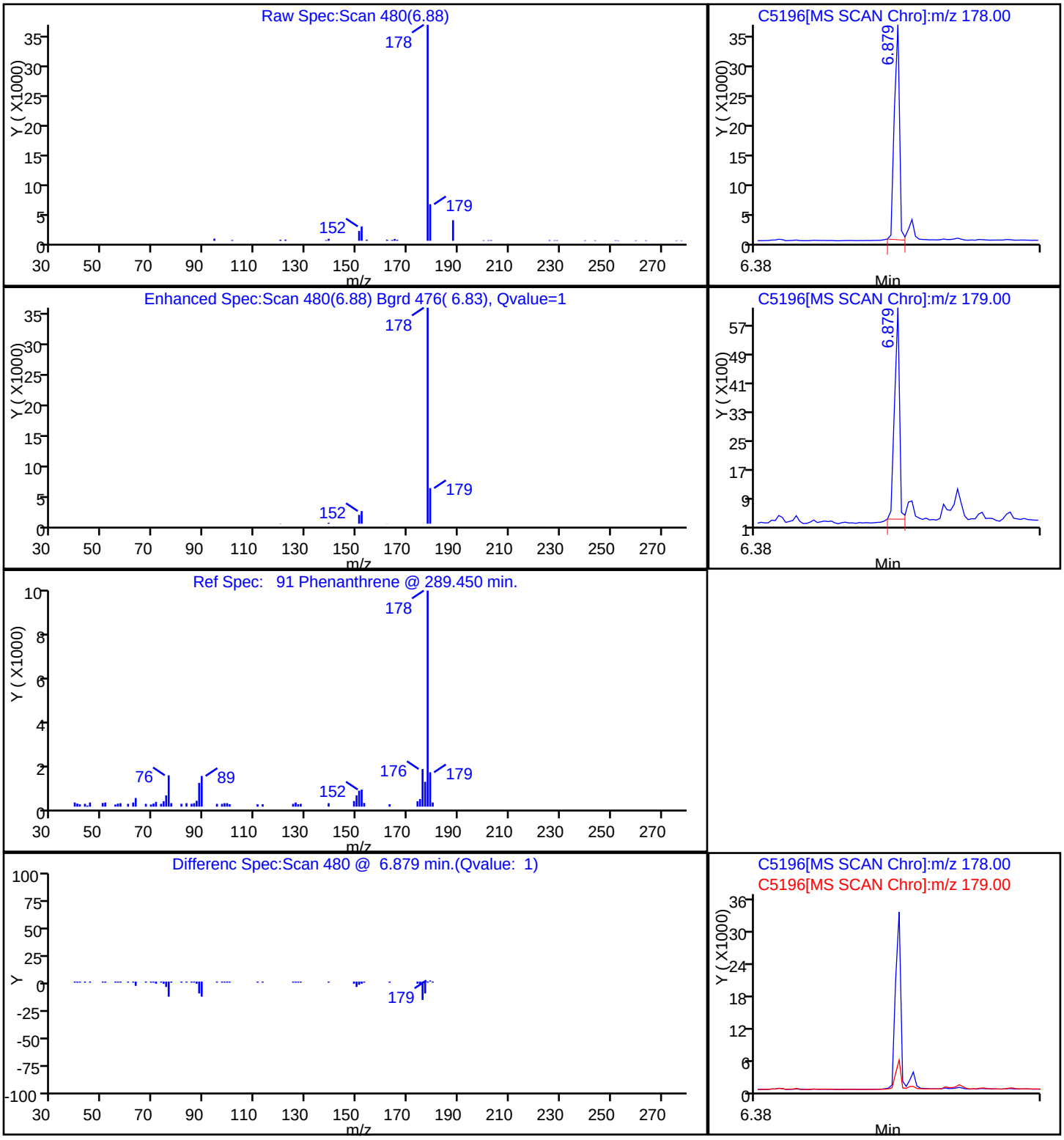
Injection Date: 30-Sep-2011 17:56:30 Limit Group: SMS - 1 - 8270 SIM Calibration

Client ID: Foundry Fill #2 Instrument ID: SMSB

Lims Batch ID: 87438 Lims Sample ID: 22

Operator ID: wds Injection Vol: 1.00 ul

91 Phenanthrene



Report Date: 02-Oct-2011 20:07:50 Chrom Revision: 1.2 13-Jul-2011 10:43:06

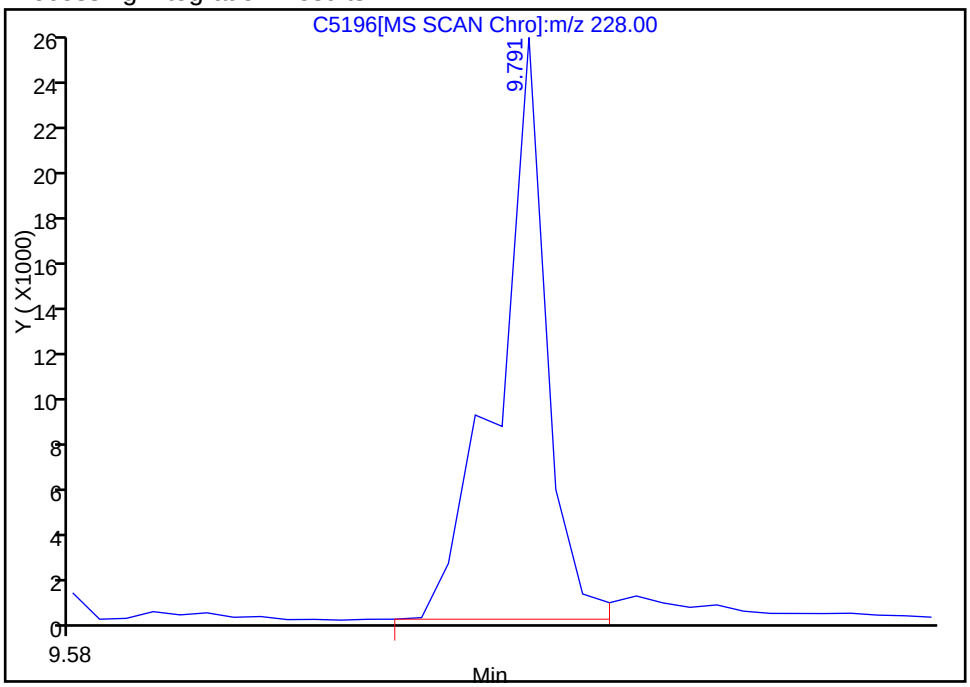
Manual Integration/User Assign Peak Report

Data File:	\\valsvr08\ChromData\SMSB\20110930-5635.b\C5196.D		
Injection Date:	30-Sep-2011 17:56:30	Limit Group:	SMS - 1 - 8270 SIM Calibration
Client ID:	Foundry Fill #2	Instrument ID:	SMSB
Lims Batch ID:	87438	Lims Sample ID:	22
Operator ID:	wds	Injection Vol:	1.00 ul

101 Benzo[a]anthracene, Signal: 1, m/z: 228.0 Type: quant, RT: 9.76

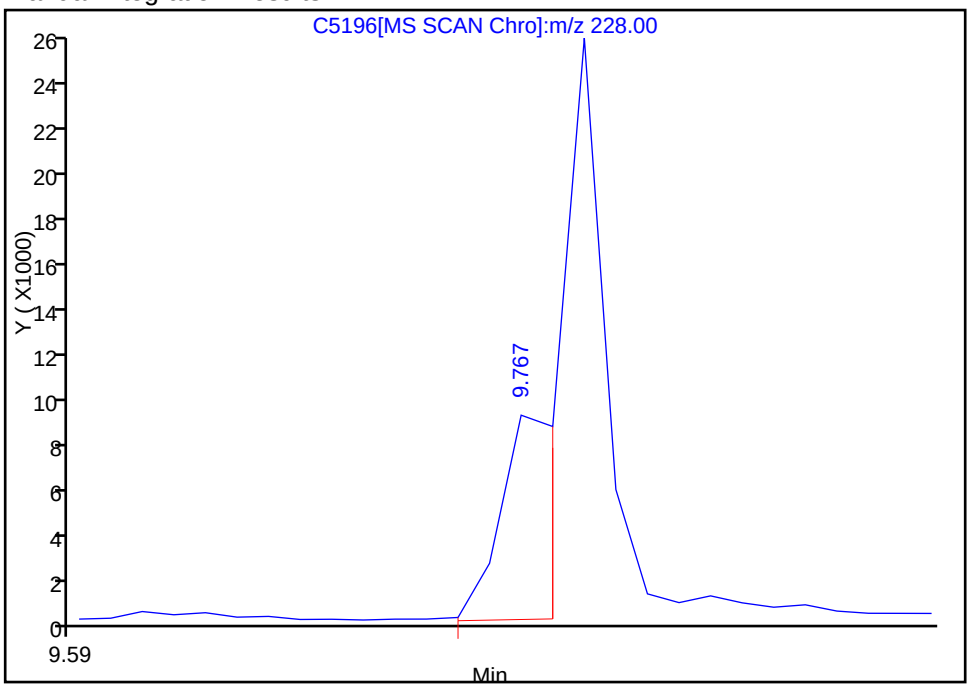
Processing Integration Results

RT: 9.79
Response: 38667
Amount: 8.042914



Manual Integration Results

RT: 9.77
Response: 14642
Amount: 2.983799



Reviewer: squiresb, 01-Oct-2011 11:16:12
Audit Action: Manually Integrated
Audit Reason: Assign Peak

Report Date: 02-Oct-2011 20:07:50 Chrom Revision: 1.2 13-Jul-2011 10:43:06

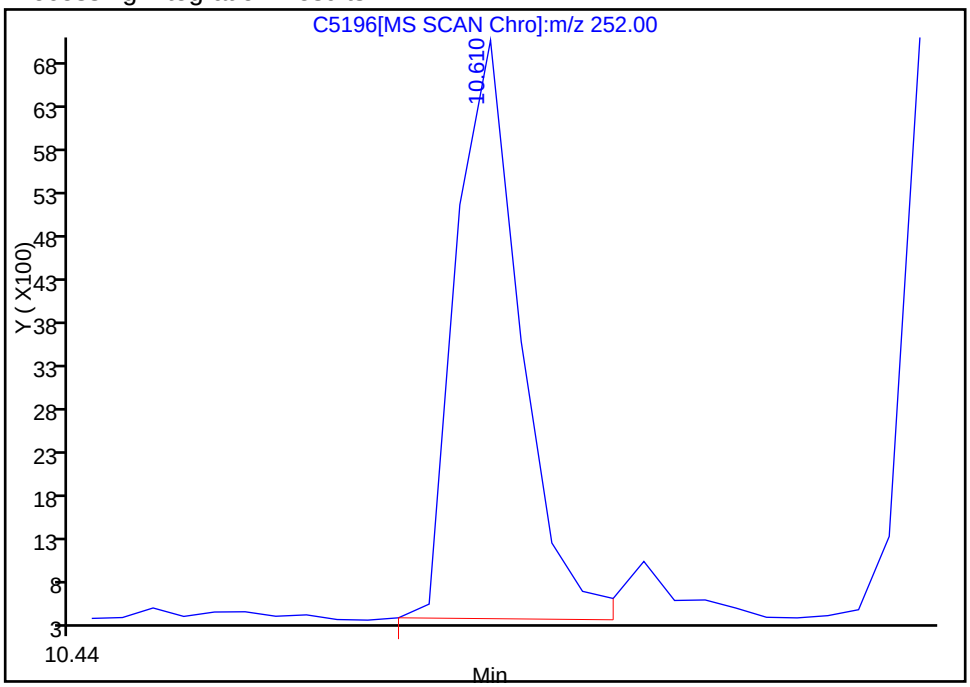
Manual Integration/User Assign Peak Report

Data File:	\\valsvr08\ChromData\SMSB\20110930-5635.b\C5196.D		
Injection Date:	30-Sep-2011 17:56:30	Limit Group:	SMS - 1 - 8270 SIM Calibration
Client ID:	Foundry Fill #2	Instrument ID:	SMSB
Lims Batch ID:	87438	Lims Sample ID:	22
Operator ID:	wds	Injection Vol:	1.00 ul

106 Benzo[b]fluoranthene, Signal: 1, m/z: 252.0 Type: quant, RT: 10.60

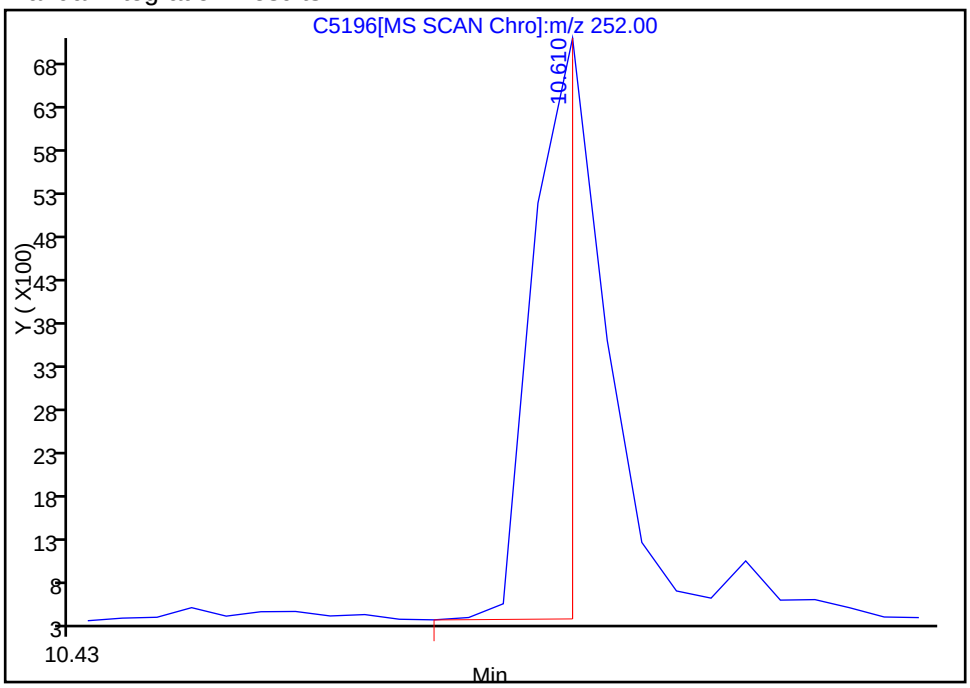
Processing Integration Results

RT: 10.61
Response: 12150
Amount: 0



Manual Integration Results

RT: 10.61
Response: 8723
Amount: 4.701692



Reviewer: squiresb, 02-Oct-2011 20:02:25
Audit Action: Manually Integrated
Audit Reason: Assign Peak

Report Date: 02-Oct-2011 20:07:50 Chrom Revision: 1.2 13-Jul-2011 10:43:06

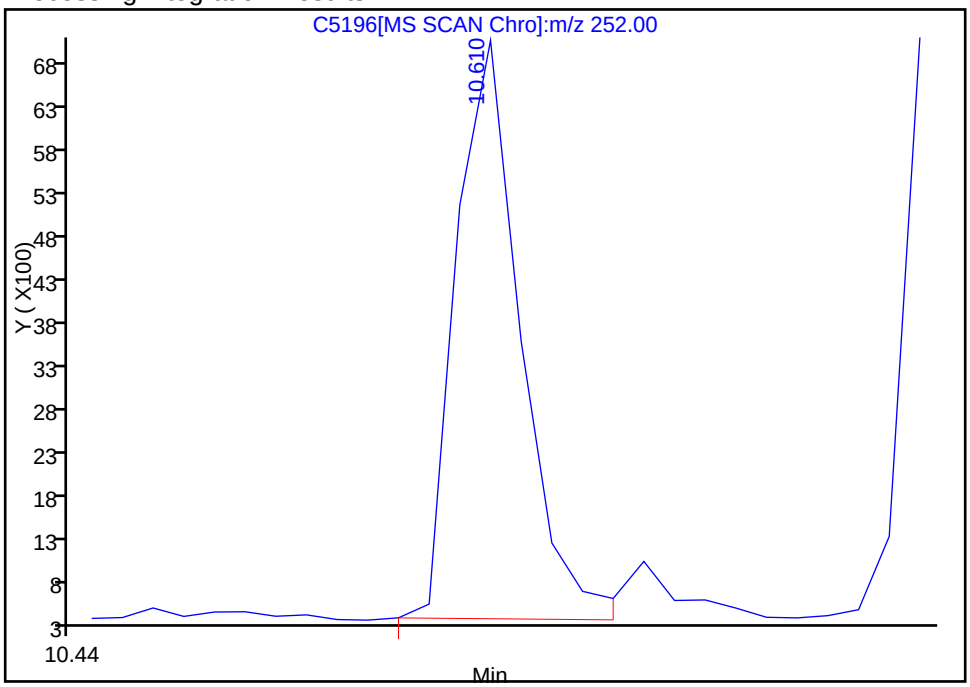
Manual Integration/User Assign Peak Report

Data File:	\\valsvr08\ChromData\SMSB\20110930-5635.b\C5196.D		
Injection Date:	30-Sep-2011 17:56:30	Limit Group:	SMS - 1 - 8270 SIM Calibration
Client ID:	Foundry Fill #2	Instrument ID:	SMSB
Lims Batch ID:	87438	Lims Sample ID:	22
Operator ID:	wds	Injection Vol:	1.00 ul

107 Benzo[k]fluoranthene, Signal: 1, m/z: 252.0 Type: quant, RT: 10.61

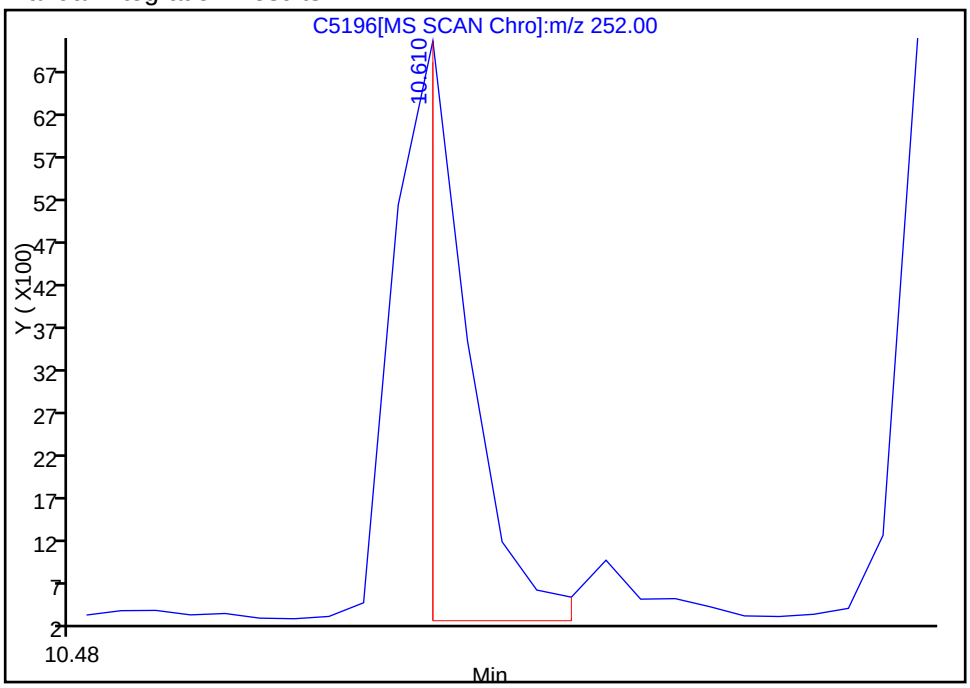
Processing Integration Results

RT: 10.61
Response: 12156
Amount: 0



Manual Integration Results

RT: 10.61
Response: 8587
Amount: 3.346069



Reviewer: squiresb, 02-Oct-2011 20:07:49
Audit Action: Manually Integrated
Audit Reason: Assign Peak

Report Date: 02-Oct-2011 20:07:50 Chrom Revision: 1.2 13-Jul-2011 10:43:06

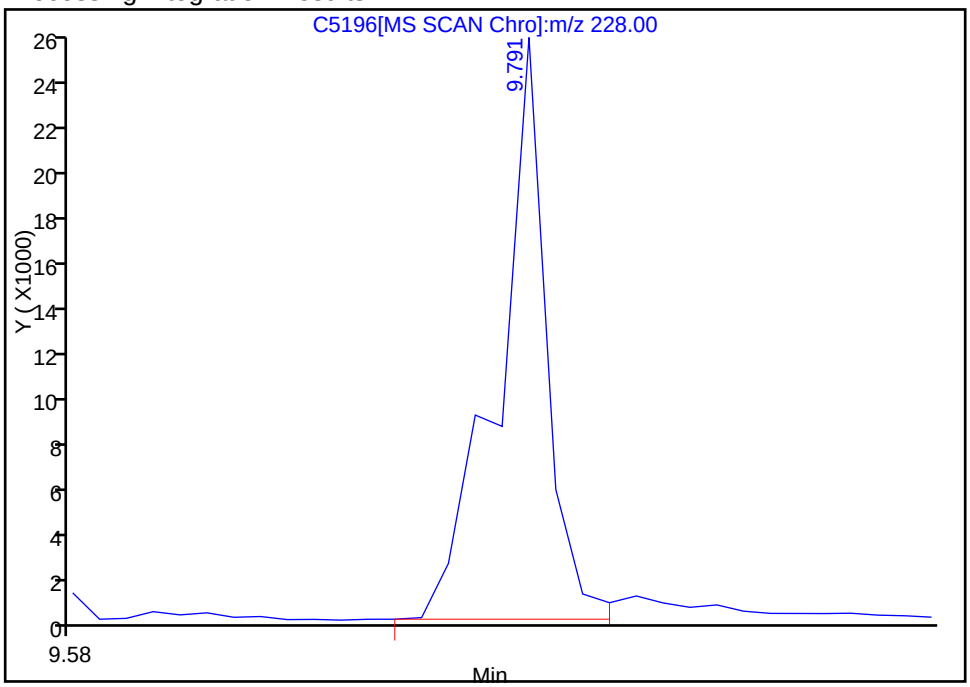
Manual Integration/User Assign Peak Report

Data File:	\\valsvr08\ChromData\SMSB\20110930-5635.b\C5196.D		
Injection Date:	30-Sep-2011 17:56:30	Limit Group:	SMS - 1 - 8270 SIM Calibration
Client ID:	Foundry Fill #2	Instrument ID:	SMSB
Lims Batch ID:	87438	Lims Sample ID:	22
Operator ID:	wds	Injection Vol:	1.00 ul

104 Chrysene, Signal: 1, m/z: 228.0 Type: quant, RT: 9.79

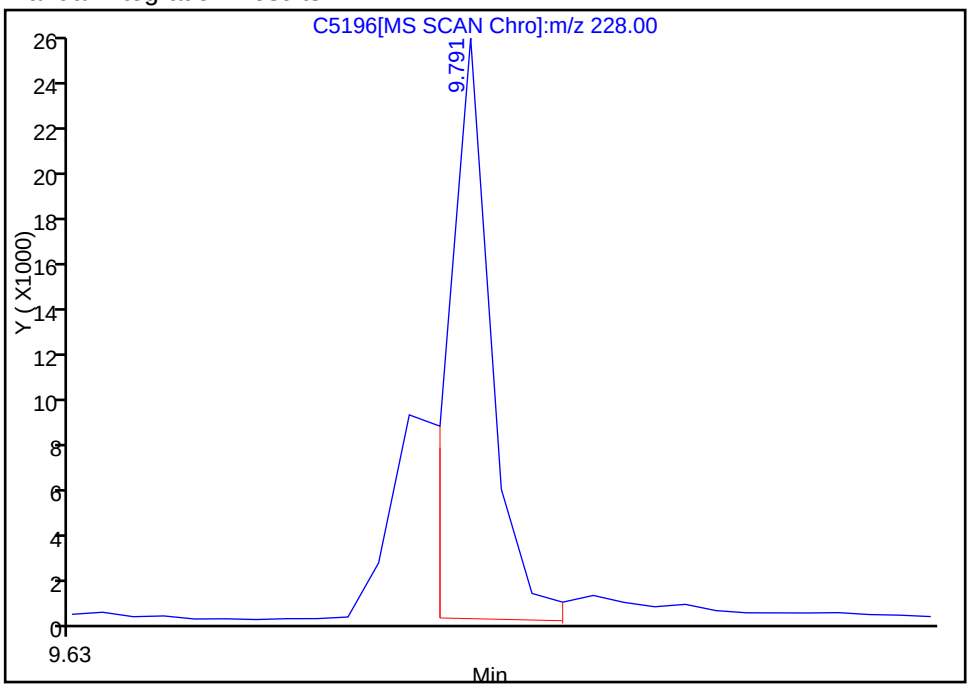
Processing Integration Results

RT: 9.79
Response: 38667
Amount: 6.747366



Manual Integration Results

RT: 9.79
Response: 30408
Amount: 5.306176



Reviewer: squiresb, 01-Oct-2011 11:16:12
Audit Action: Manually Integrated
Audit Reason: Assign Peak

Report Date: 02-Oct-2011 20:07:50 Chrom Revision: 1.2 13-Jul-2011 10:43:06

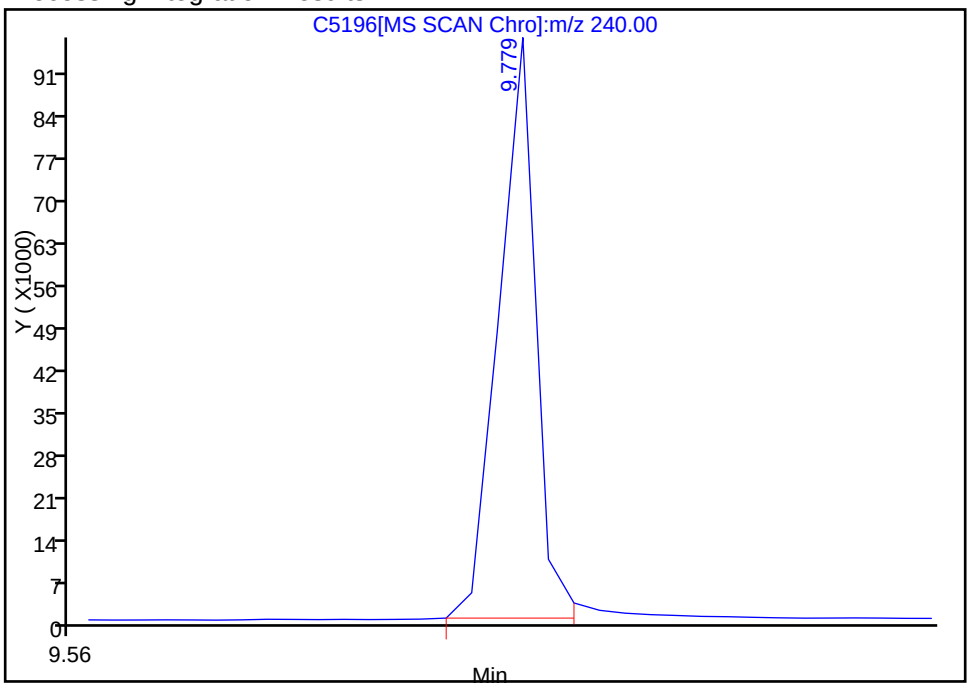
Manual Integration/User Assign Peak Report

Data File:	\\valsvr08\ChromData\SMSB\20110930-5635.b\C5196.D		
Injection Date:	30-Sep-2011 17:56:30	Limit Group:	SMS - 1 - 8270 SIM Calibration
Client ID:	Foundry Fill #2	Instrument ID:	SMSB
Lims Batch ID:	87438	Lims Sample ID:	22
Operator ID:	wds	Injection Vol:	1.00 ul

* 103 Chrysene-d12, Signal: 1, m/z: 240.0 Type: quant, RT: 9.77

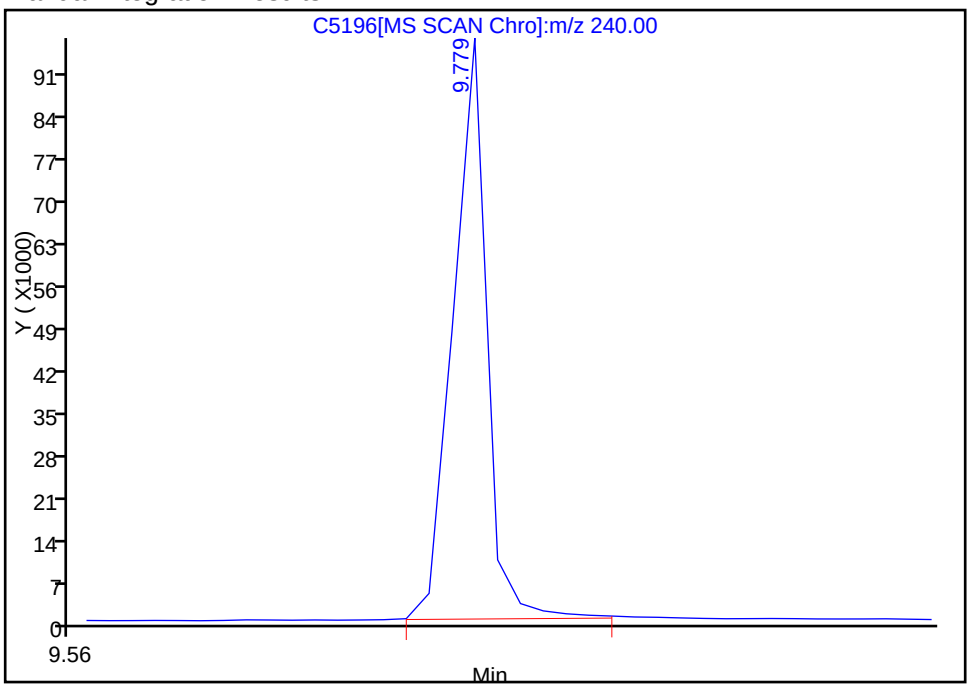
Processing Integration Results

RT: 9.78
Response: 118860
Amount: 40.000000



Manual Integration Results

RT: 9.78
Response: 121322
Amount: 40.000000



Reviewer: squiresb, 01-Oct-2011 11:16:12
Audit Action: Manually Integrated
Audit Reason: Assign Peak

Report Date: 02-Oct-2011 20:07:50 Chrom Revision: 1.2 13-Jul-2011 10:43:06

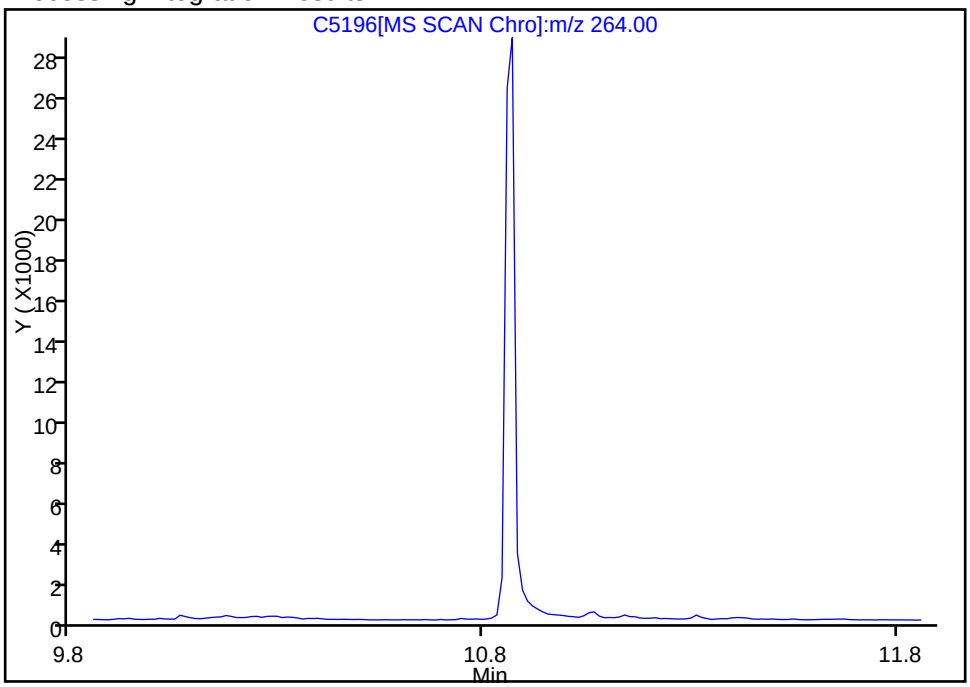
Manual Integration/User Assign Peak Report

Data File:	\\valsvr08\ChromData\SMSB\20110930-5635.b\C5196.D		
Injection Date:	30-Sep-2011 17:56:30	Limit Group:	SMS - 1 - 8270 SIM Calibration
Client ID:	Foundry Fill #2	Instrument ID:	SMSB
Lims Batch ID:	87438	Lims Sample ID:	22
Operator ID:	wds	Injection Vol:	1.00 ul

* 109 Perylene-d12, Signal: 1, m/z: 264.0 Type: quant, RT: 10.86

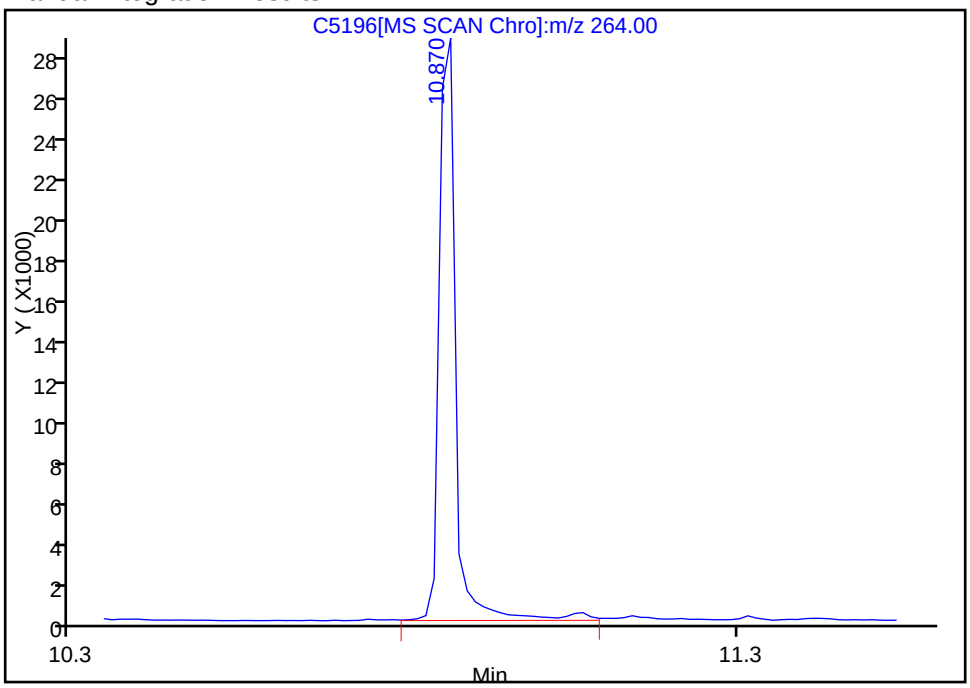
Processing Integration Results

Not Detected
Expected RT: 10.86



Manual Integration Results

RT: 10.87
Response: 48646
Amount: 40.000000



Reviewer: squiresb, 01-Oct-2011 11:16:12
Audit Action: Manually Integrated
Audit Reason: Assign Peak

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

Lab Name: TestAmerica Valparaiso Job No.: 510-70378-1 Analy Batch No.: 85359

SDG No.: 0058-373-01

Instrument ID: SMSB GC Column: 8270/625 ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 08/19/2011 10:22 Calibration End Date: 08/19/2011 12:50 Calibration ID: 4212

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 510-85359/2	C4921.D
Level 2	IC 510-85359/3	C4922.D
Level 3	IC 510-85359/4	C4923.D
Level 4	IC 510-85359/5	C4924.D
Level 5	IC 510-85359/6	C4925.D
Level 6	IC 510-85359/7	C4926.D
Level 7	IC 510-85359/8	C4927.D
Level 8	IC 510-85359/9	C4928.D

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5		B	M1	M2								
Naphthalene	1.3280 1.3684	1.2940 1.2909	1.3831 1.2092	1.3458	1.3489	Ave		1.3210			0.0500	4.2		15.0			
2-Methylnaphthalene	0.7755 0.8002	0.7511 0.7906	0.7733 0.7468	0.8206	0.7844	Ave		0.7803			0.0500	3.1		15.0			
Acenaphthylene	2.4030 2.5144	2.4736 2.4256	2.7364 1.7771	2.6669	2.6480	Ave		2.4556			0.0500	12.0		15.0			
Acenaphthene	1.2794 1.3863	1.3828 1.3768	1.4919 1.1970	1.4300	1.3970	Ave		1.3677			0.0500	6.6		15.0			
Fluorene	1.4180 1.6189	1.4176 1.6344	1.5344 1.1040	1.5617	1.6237	Ave		1.4891			0.0500	12.0		15.0			
Phenanthrene	1.3526 1.4811	1.3103 1.4274	1.4601 1.3379	1.4079	1.4264	Ave		1.4005			0.0500	4.3		15.0			
Anthracene	1.2834 1.5385	1.2606 1.5226	1.4808 1.3364	1.4074	1.5100	Ave		1.4175			0.0500	7.9		15.0			
Fluoranthene	1.3351 1.4873	1.2645 1.2634	1.4893 1.3806	1.2895	1.4649	Ave		1.3718			0.0500	7.1		15.0			
Pyrene	1.8308 2.0796	1.8327 2.4912	2.1133 1.5738	2.0608	1.9778	Ave		1.9950			0.0500	13.0		15.0			
Benzo[a]anthracene	2.0761 1.5878	1.4014 1.8719	1.6576 1.3879	1.4495	1.5110	Ave		1.6179			0.0500	15.0		15.0			
Chrysene	1.5224 2.0866	1.8627 1.8655	2.0207 1.7293	1.9692	2.0588	Ave		1.8894			0.0500	10.0		15.0			
Benzo[b]fluoranthene	1.5280 1.2786	1.4527 1.8911	1.5973 1.3929	1.4584	1.6054	Ave		1.5255			0.0500	12.0		15.0			
Benzo[k]fluoranthene	1.7597 2.6552	1.6636 2.1003	2.1443 2.2655	2.0071	2.2858	Ave		2.1102			0.0500	15.0		15.0			
Benzo[a]pyrene	0.8457 1.3012	0.8281 1.5822	1.1536 1.3441	1.1903	1.3334	Lin	0	1.3860			0.0500				0.9930		0.9900

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

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

Lab Name: TestAmerica Valparaiso Job No.: 510-70378-1 Analy Batch No.: 85359

SDG No.: 0058-373-01

Instrument ID: SMSB GC Column: 8270/625 ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 08/19/2011 10:22 Calibration End Date: 08/19/2011 12:50 Calibration ID: 4212

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5		B	M1	M2								
Indeno[1,2,3-cd]pyrene	0.7982 1.3139	0.8510 1.4390	1.0109 1.3909	1.0672	1.2238	Lin	-0.961	1.4110			0.0500				0.9990		0.9900
Dibenz(a,h)anthracene	0.7854 1.1594	0.8017 1.2750	0.9617 1.2691	0.9953	1.1102	Lin2	-0.232	1.1575			0.0500				0.9900		0.9900
Benzo[g,h,i]perylene	1.2534 1.3112	1.1623 1.3540	1.1901 1.2906	1.2259	1.3504	Ave		1.2672			0.0500	5.6		15.0			
Nitrobenzene-d5	0.5364 0.5670	0.5158 0.5477	0.5483 0.5240	0.5626	0.5702	Ave		0.5465			0.0500	3.7		15.0			
2-Fluorobiphenyl	1.8719 2.0040	1.8714 1.9381	2.0342 1.5792	2.0856	2.0691	Ave		1.9317			0.0500	8.5		15.0			
Terphenyl-d14	0.6788 0.8404	0.7229 0.8973	0.8188 0.7549	0.8121	0.7455	Ave		0.7838			0.0500	9.0		15.0			

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

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

Lab Name: TestAmerica Valparaiso Job No.: 510-70378-1 Analy Batch No.: 85359

SDG No.: 0058-373-01

Instrument ID: SMSB GC Column: 8270/625 ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 08/19/2011 10:22 Calibration End Date: 08/19/2011 12:50 Calibration ID: 4212

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 510-85359/2	C4921.D
Level 2	IC 510-85359/3	C4922.D
Level 3	IC 510-85359/4	C4923.D
Level 4	IC 510-85359/5	C4924.D
Level 5	IC 510-85359/6	C4925.D
Level 6	IC 510-85359/7	C4926.D
Level 7	IC 510-85359/8	C4927.D
Level 8	IC 510-85359/9	C4928.D

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (UG/ML)				
			LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5
Naphthalene	NPT	Ave	2983 137257	6626 285869	10329 513469	37665	66541	0.500 20.0	1.00 40.0	2.00 80.0	5.00	10.0
2-Methylnaphthalene	NPT	Ave	1742 80259	3846 175076	5775 317115	22968	38694	0.500 20.0	1.00 40.0	2.00 80.0	5.00	10.0
Acenaphthylene	ANT	Ave	2547 116482	5615 249313	8371 403024	33312	55489	0.500 20.0	1.00 40.0	2.00 80.0	5.00	10.0
Acenaphthene	ANT	Ave	1356 64221	3139 141516	4564 271459	17862	29275	0.500 20.0	1.00 40.0	2.00 80.0	5.00	10.0
Fluorene	ANT	Ave	1503 74995	3218 167991	4694 250378	19508	34024	0.500 20.0	1.00 40.0	2.00 80.0	5.00	10.0
Phenanthrene	PHN	Ave	1934 88424	4353 209888	6002 330768	21903	40713	0.500 20.0	1.00 40.0	2.00 80.0	5.00	10.0
Anthracene	PHN	Ave	1835 91849	4188 223885	6087 330387	21896	43099	0.500 20.0	1.00 40.0	2.00 80.0	5.00	10.0
Fluoranthene	PHN	Ave	1909 88793	4201 185774	6122 341316	20061	41811	0.500 20.0	1.00 40.0	2.00 80.0	5.00	10.0
Pyrene	CRY	Ave	1888 87514	4406 214757	6553 298988	20295	42164	0.500 20.0	1.00 40.0	2.00 80.0	5.00	10.0
Benzo[a]anthracene	CRY	Ave	2141 66818	3369 161367	5140 263668	14275	32213	0.500 20.0	1.00 40.0	2.00 80.0	5.00	10.0
Chrysene	CRY	Ave	1570 87806	4478 160823	6266 328528	19393	43892	0.500 20.0	1.00 40.0	2.00 80.0	5.00	10.0
Benzo[b]fluoranthene	PRY	Ave	1319 49909	2921 149166	4287 237956	13583	29316	0.500 20.0	1.00 40.0	2.00 80.0	5.00	10.0
Benzo[k]fluoranthene	PRY	Ave	1519 103644	3345 165667	5755 387032	18694	41741	0.500 20.0	1.00 40.0	2.00 80.0	5.00	10.0
Benzo[a]pyrene	PRY	Lin	730 50793	1665 124803	3096 229632	11086	24349	0.500 20.0	1.00 40.0	2.00 80.0	5.00	10.0
Indeno[1,2,3-cd]pyrene	PRY	Lin	689 51288	1711 113502	2713 237628	9940	22347	0.500 20.0	1.00 40.0	2.00 80.0	5.00	10.0

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

Lab Name: TestAmerica Valparaiso Job No.: 510-70378-1 Analy Batch No.: 85359

SDG No.: 0058-373-01

Instrument ID: SMSB GC Column: 8270/625 ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 08/19/2011 10:22 Calibration End Date: 08/19/2011 12:50 Calibration ID: 4212

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (UG/ML)				
			LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5
Dibenz(a,h)anthracene	PRY	Lin2	678 45258	1612 100571	2581 216812	9270	20273	0.500 20.0	1.00 40.0	2.00 80.0	5.00	10.0
Benzo[g,h,i]perylene	PRY	Ave	1082 51183	2337 106798	3194 220481	11418	24660	0.500 20.0	1.00 40.0	2.00 80.0	5.00	10.0
Nitrobenzene-d5	NPT	Ave	1205 56870	2641 121283	4095 222488	15746	28130	0.500 20.0	1.00 40.0	2.00 80.0	5.00	10.0
2-Fluorobiphenyl	ANT	Ave	1984 92839	4248 199199	6223 358149	26052	43358	0.500 20.0	1.00 40.0	2.00 80.0	5.00	10.0
Terphenyl-d14	CRY	Ave	700 35364	1738 77354	2539 143422	7998	15893	0.500 20.0	1.00 40.0	2.00 80.0	5.00	10.0

Curve Type Legend:

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

TestAmerica Laboratories
Target Compound Quantitation Report

Data File:	\\valsvr08\ChromData\SMSB\20110819-5411.b\C4921.D		
Lims ID:	ic 0.5	Client ID:	
Inject. Date:	19-Aug-2011 10:22:30	Dil. Factor:	1.0000
Sample Type:	IC	Calib Level:	1
Sample ID:	SSTD 0.5		
Misc. Info.:	510-0005411-002 =510-0005411-002		
Operator:	wds	Instrument ID:	SMSB
Vol. Injected:	1.0000	ALS Bottle#:	2
Lims Batch ID:	85359	Lims Sample ID:	2
Sublist:	chrom-SIM-PNAB*sub12		
Detector:	MS SCAN		
Method:	\\valsvr08\ChromData\SMSB\20110819-5411.b\SIM-PNAB.m		
Last Update:	19-Aug-2011 13:54:27	Calib Date:	19-Aug-2011 12:50:30
Quant Method:	Internal Standard	Quant By:	Initial Calibration
Last ICal File:	\\valsvr08\ChromData\SMSB\20110819-5411.b\C4928.D		
Limit Group:	SMS - 1 - 8270 SIM Calibration		
Integrator:	RTE	ID Type:	RT Order ID
Process Host:	VAL-SMS-LAB1		

First Level Reviewer: squiresb Date: 19-Aug-2011 11:06:43

Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/ml	Ratio Range	Ratio	Flags
* 40 1,4-Dichlorobenzene-d4									
152	2.534	2.534	0.000	1	83385	40.0	70.0- 130.0	100.0	
115	2.534	2.534	0.000		46380		25.1- 85.1	55.6	
$ 49 Nitrobenzene-d5									
82	3.189	3.189	0.000	1	1205	0.4908	70.0- 130.0	100.0	
128	3.200	3.189	0.011		623		24.4- 84.4	51.7	
54	3.189	3.189	0.000		572		18.1- 78.1	47.5	
* 57 Naphthalene-d8									
136	4.028	4.028	0.000	1	179704	40.0	70.0- 130.0	100.0	
58 Naphthalene									M
128	4.050	4.050	0.000	0	2983	0.5026	70.0- 130.0	100.0	M
129	0.0	4.050	-4.050		0		0.0- 41.1		
62 2-Methylnaphthalene									
142	4.888	4.888	0.000	1	1742	0.4969	70.0- 130.0	100.0	
141	4.888	4.888	0.000		1382		51.2- 111.2	79.3	
115	4.888	4.888	0.000		666		9.6- 69.6	38.2	
$ 66 2-Fluorobiphenyl									
172	5.372	5.372	0.000	1	1984	0.4845			
71 Acenaphthylene									
152	5.931	5.931	0.000	1	2547	0.4893	70.0- 130.0	100.0	
151	5.931	5.931	0.000		514		0.0- 49.5	20.2	
* 73 Acenaphthene-d10									
164	6.117	6.117	0.000	1	84793	40.0	70.0- 130.0	100.0	
162	6.117	6.117	0.000		74918		60.5- 120.5	88.4	

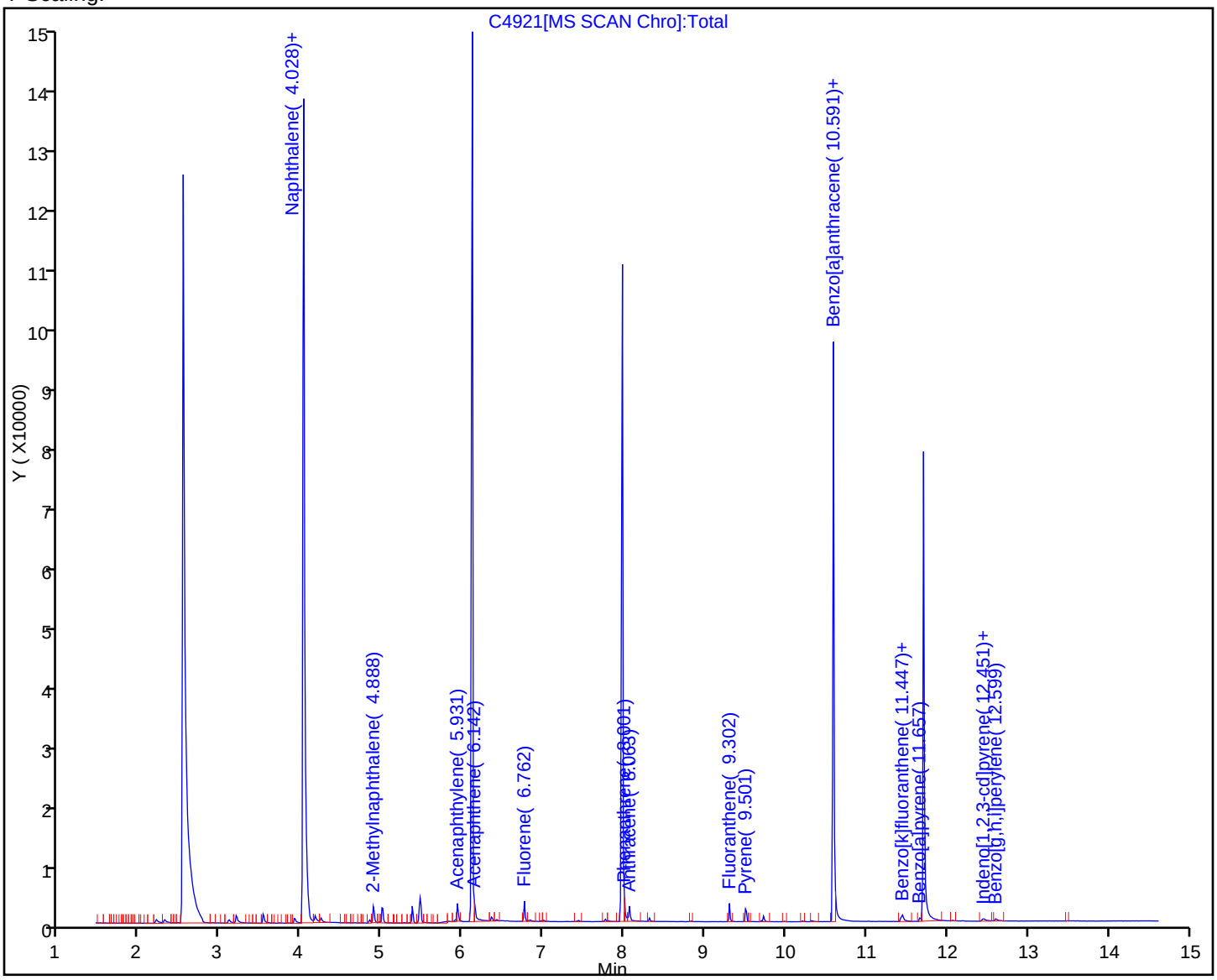
Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/ml	Ratio Range	Ratio	Flags
74 Acenaphthene									M
154	6.142	6.142	0.000	0	1356	0.4677	70.0- 130.0	100.0	M
152	0.0	6.142	-6.142		0		25.6- 85.6		
153	0.0	6.142	-6.142		0		77.5- 137.5		
80 Fluorene									
166	6.762	6.762	0.000	4	1503	0.4761	70.0- 130.0	100.0	
165	6.762	6.762	0.000		1361		58.7- 118.7	90.6	
* 90 Phenanthrene-d10									
188	7.976	7.976	0.000	1	114388	40.0	70.0- 130.0	100.0	
91 Phenanthrene									
178	8.001	8.001	0.000	1	1934	0.4829	70.0- 130.0	100.0	
92 Anthracene									
178	8.063	8.063	0.000	1	1835	0.4527	70.0- 130.0	100.0	
95 Fluoranthene									M
202	9.302	9.302	0.000	0	1909	0.4866	70.0- 130.0	100.0	M
101	0.0	9.302	-9.302		0		0.0- 43.7		
97 Pyrene									M
202	9.513	9.513	0.000	0	1888	0.4588	70.0- 130.0	100.0	M
101	0.0	9.513	-9.513		0		0.0- 47.5		
$ 98 Terphenyl-d14									
244	9.724	9.724	0.000	1	700	0.4330	70.0- 130.0	100.0	
101 Benzo[a]anthracene									M
228	10.591	10.591	0.000	1	2141	0.6416	70.0- 130.0	100.0	M
229	10.591	10.591	0.000		603		0.0- 57.4	28.2	
226	10.579	10.591	-0.012		523		0.0- 56.2	24.4	
* 103 Chrysene-d12									M
240	10.591	10.591	0.000	1	82501	40.0	70.0- 130.0	100.0	M
104 Chrysene									M
228	10.616	10.616	0.000	1	1570	0.4029	70.0- 130.0	100.0	M
226	10.579	10.616	-0.037		523		0.0- 54.2	33.3	
229	10.591	10.616	-0.025		603		0.0- 42.1	38.4	
106 Benzo[b]fluoranthene									M
252	11.447	11.447	0.000	0	1319	0.5008	70.0- 130.0	100.0	M
253	0.0	11.447	-11.447		0		15.4- 75.4		
107 Benzo[k]fluoranthene									M
252	11.447	11.447	0.000	0	1519	0.4170	70.0- 130.0	100.0	M
253	0.0	11.447	-11.447		0		1.9- 61.9		
108 Benzo[a]pyrene									M
252	11.657	11.657	0.000	0	730	0.3050	70.0- 130.0	100.0	M
253	0.0	11.657	-11.657		0		0.0- 55.1		
* 109 Perylene-d12									
264	11.707	11.707	0.000	1	69058	40.0	70.0- 130.0	100.0	
110 Indeno[1,2,3-cd]pyrene									M
276	12.438	12.438	0.000	0	689	0.9642	70.0- 130.0	100.0	M
138	0.0	12.438	-12.438		0		5.1- 65.1		

Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/ml	Ratio Range	Ratio	Flags
111 Dibenz(a,h)anthracene									M
278	12.463	12.463	0.000	0	678	0.5397	70.0- 130.0	100.0	M
139	0.0	12.463	-12.463		0		0.0- 48.5		
24 Benzo[g,h,i]perylene									M
276	12.599	12.599	0.000	0	1082	0.4946	70.0- 130.0	100.0	M
138	0.0	12.599	-12.599		0		0.0- 54.9		

QC Flag Legend

Review Flags
M - Manually Integrated

Report Date: 19-Aug-2011 13:54:27 Chrom Revision: 1.2 13-Jul-2011 10:43:06
Data File: \\valsvr08\ChromData\SMSB\20110819-5411.b\C4921.D
Injection Date: 19-Aug-2011 10:22:30 Limit Group: SMS - 1 - 8270 SIM Calibration
Client ID: Instrument ID: SMSB
Lims Batch ID: 85359 Lims Sample ID: 2
Operator ID: wds Injection Vol: 1.00 ul
Y Scaling:



Report Date: 19-Aug-2011 13:54:27 Chrom Revision: 1.2 13-Jul-2011 10:43:06

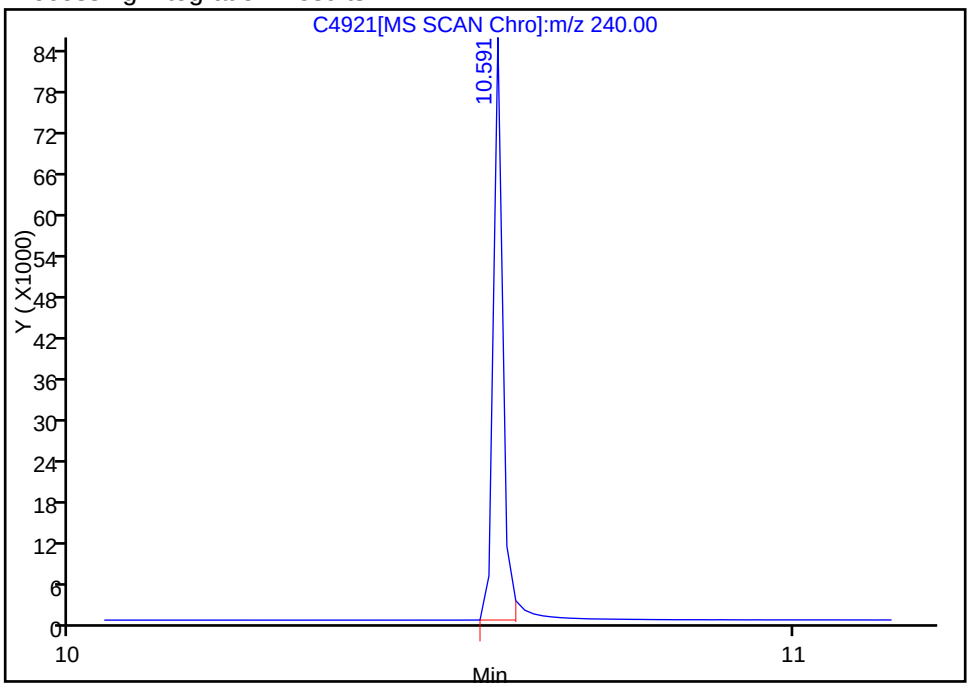
Manual Integration/User Assign Peak Report

Data File:	\\valsvr08\ChromData\SMSB\20110819-5411.b\C4921.D		
Injection Date:	19-Aug-2011 10:22:30	Limit Group:	SMS - 1 - 8270 SIM Calibration
Client ID:		Instrument ID:	SMSB
Lims Batch ID:	85359	Lims Sample ID:	2
Operator ID:	wds	Injection Vol:	1.00 ul

* 103 Chrysene-d12, Signal: 1, m/z: 240.0 Type: quant, RT: 10.59

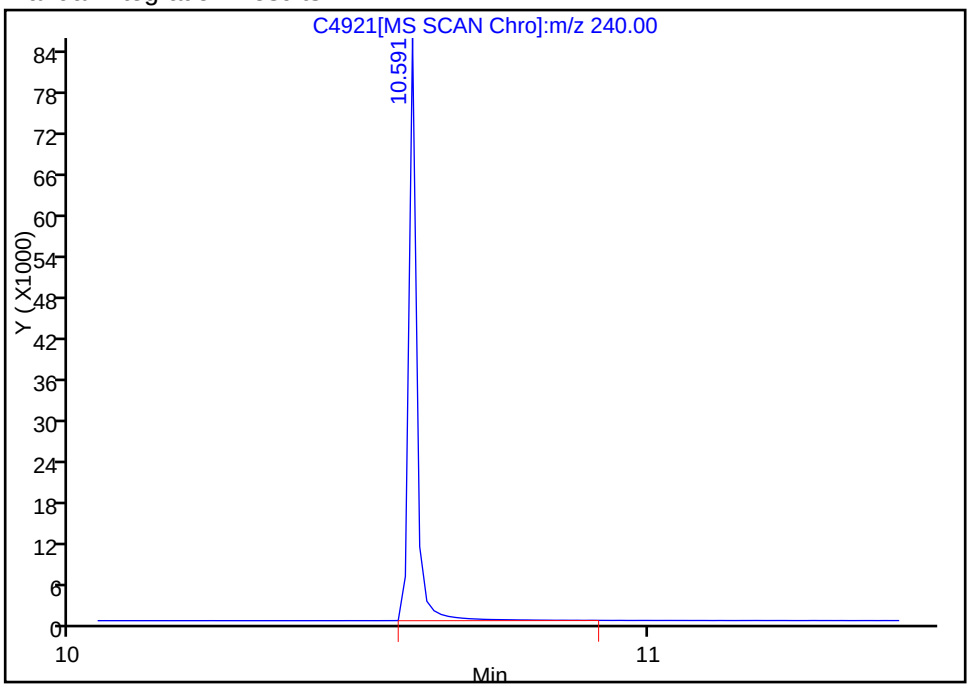
Processing Integration Results

RT: 10.59
Response: 78185
Amount: 40.000000



Manual Integration Results

RT: 10.59
Response: 82501
Amount: 40.000000



Reviewer: squiresb, 19-Aug-2011 11:06:43
Audit Action: Manually Integrated
Audit Reason: Assign Peak

Report Date: 19-Aug-2011 13:54:27 Chrom Revision: 1.2 13-Jul-2011 10:43:06

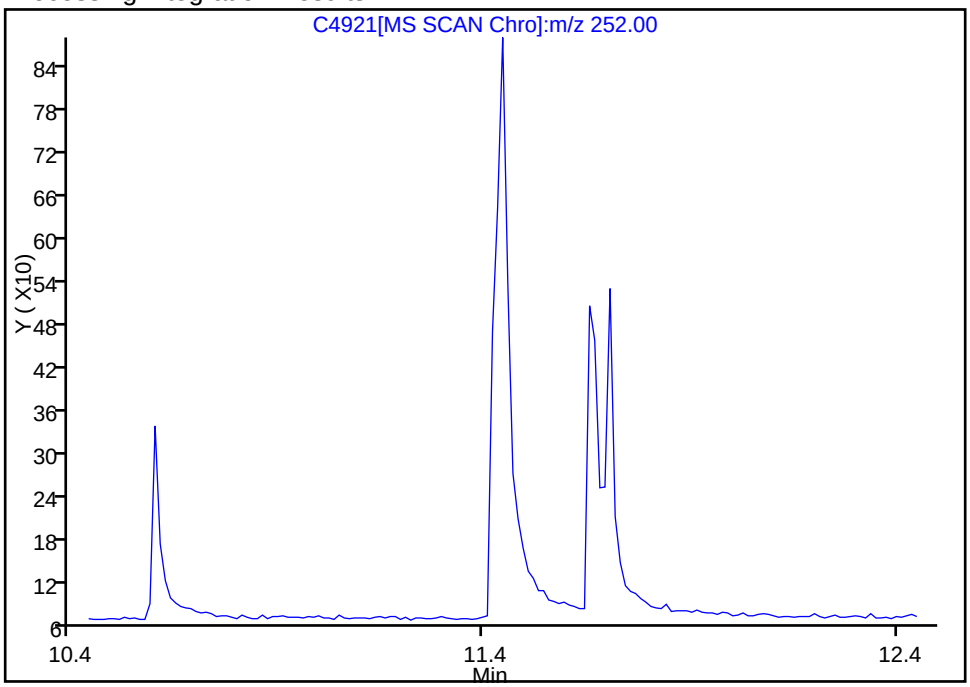
Manual Integration/User Assign Peak Report

Data File:	\\valsvr08\ChromData\SMSB\20110819-5411.b\C4921.D		
Injection Date:	19-Aug-2011 10:22:30	Limit Group:	SMS - 1 - 8270 SIM Calibration
Client ID:		Instrument ID:	SMSB
Lims Batch ID:	85359	Lims Sample ID:	2
Operator ID:	wds	Injection Vol:	1.00 ul

107 Benzo[k]fluoranthene, Signal: 1, m/z: 252.0 Type: quant, RT: 11.45

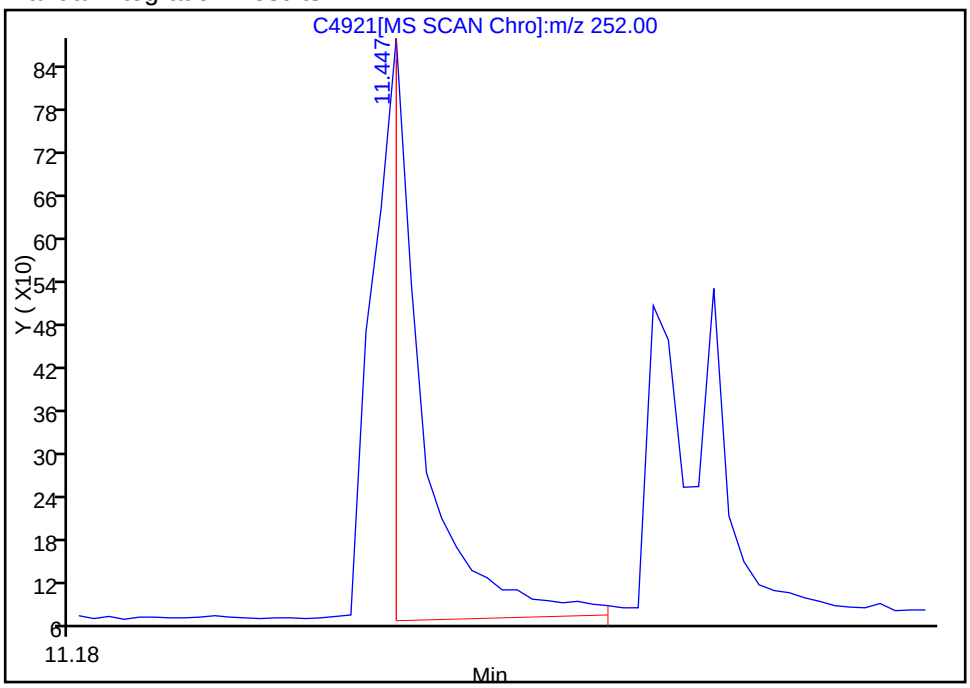
Not Detected
Expected RT: 11.45

Processing Integration Results



Manual Integration Results

RT: 11.45
Response: 1519
Amount: 0.416950



Reviewer: squiresb, 19-Aug-2011 13:54:27
Audit Action: Manually Integrated
Audit Reason: Assign Peak

Report Date: 19-Aug-2011 13:54:27 Chrom Revision: 1.2 13-Jul-2011 10:43:06

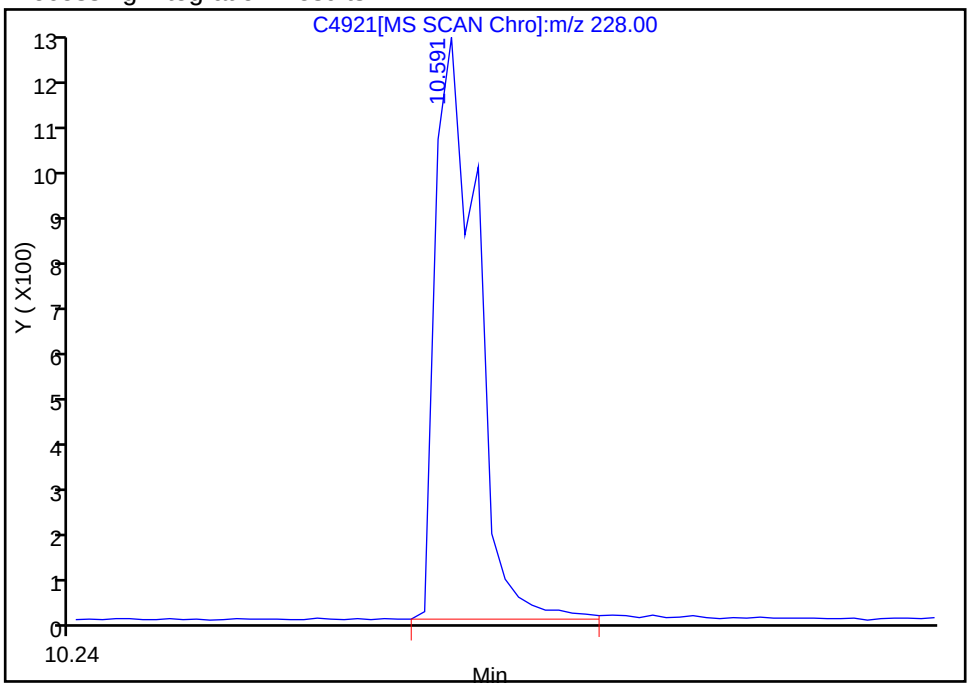
Manual Integration/User Assign Peak Report

Data File:	\\valsvr08\ChromData\SMSB\20110819-5411.b\C4921.D		
Injection Date:	19-Aug-2011 10:22:30	Limit Group:	SMS - 1 - 8270 SIM Calibration
Client ID:		Instrument ID:	SMSB
Lims Batch ID:	85359	Lims Sample ID:	2
Operator ID:	wds	Injection Vol:	1.00 ul

104 Chrysene, Signal: 1, m/z: 228.0 Type: quant, RT: 10.62

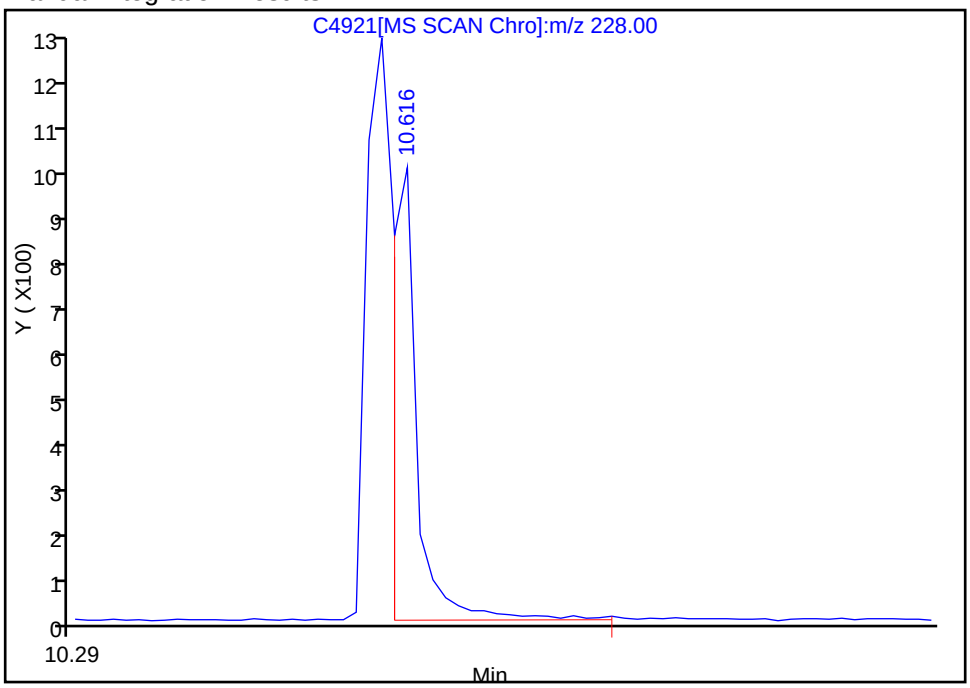
Processing Integration Results

RT: 10.59
Response: 3124
Amount: 0.500000



Manual Integration Results

RT: 10.62
Response: 1570
Amount: 0.402878



Reviewer: squiresb, 19-Aug-2011 11:06:43
Audit Action: Manually Integrated
Audit Reason: Assign Peak

Report Date: 19-Aug-2011 13:54:27 Chrom Revision: 1.2 13-Jul-2011 10:43:06

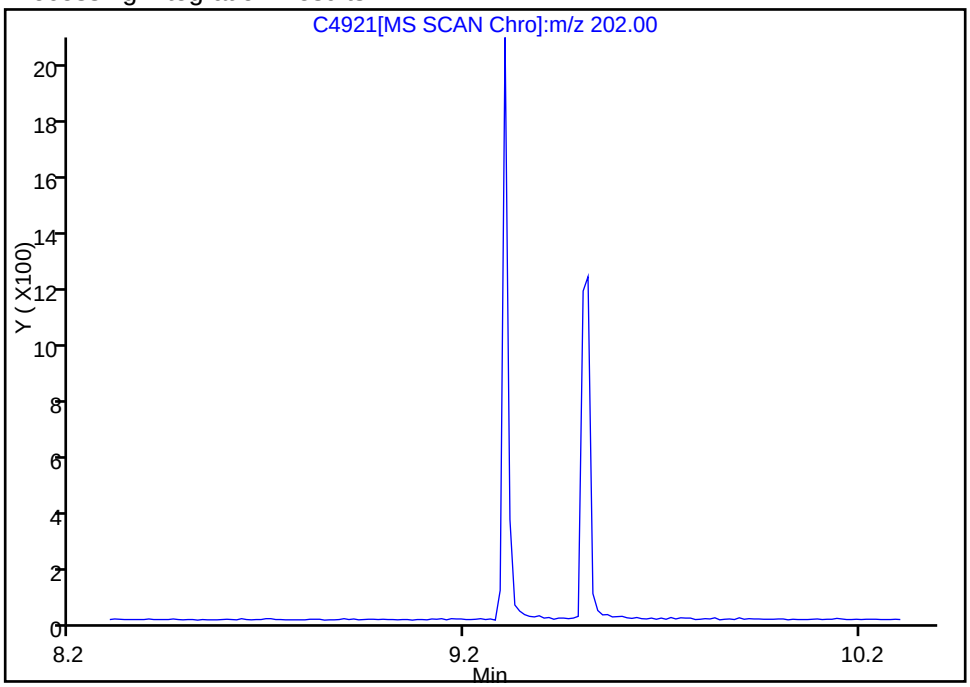
Manual Integration/User Assign Peak Report

Data File:	\\valsvr08\ChromData\SMSB\20110819-5411.b\C4921.D		
Injection Date:	19-Aug-2011 10:22:30	Limit Group:	SMS - 1 - 8270 SIM Calibration
Client ID:		Instrument ID:	SMSB
Lims Batch ID:	85359	Lims Sample ID:	2
Operator ID:	wds	Injection Vol:	1.00 ul

95 Fluoranthene, Signal: 1, m/z: 202.0 Type: quant, RT: 9.30

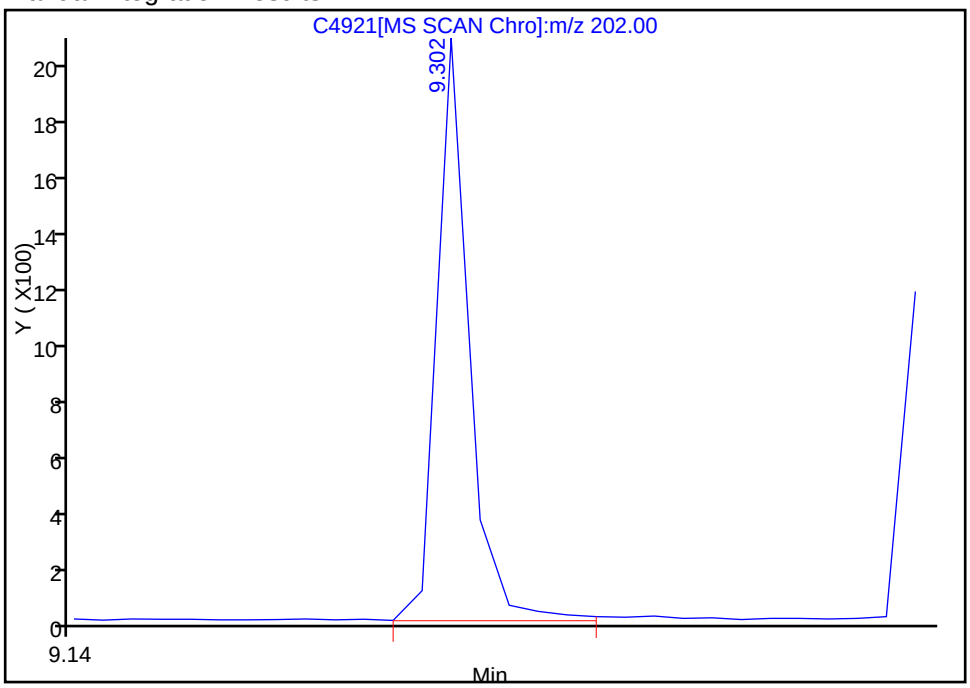
Not Detected
Expected RT: 9.30

Processing Integration Results



Manual Integration Results

RT: 9.30
Response: 1909
Amount: 0.486616



Reviewer: squiresb, 19-Aug-2011 11:06:43
Audit Action: Manually Integrated
Audit Reason: Assign Peak

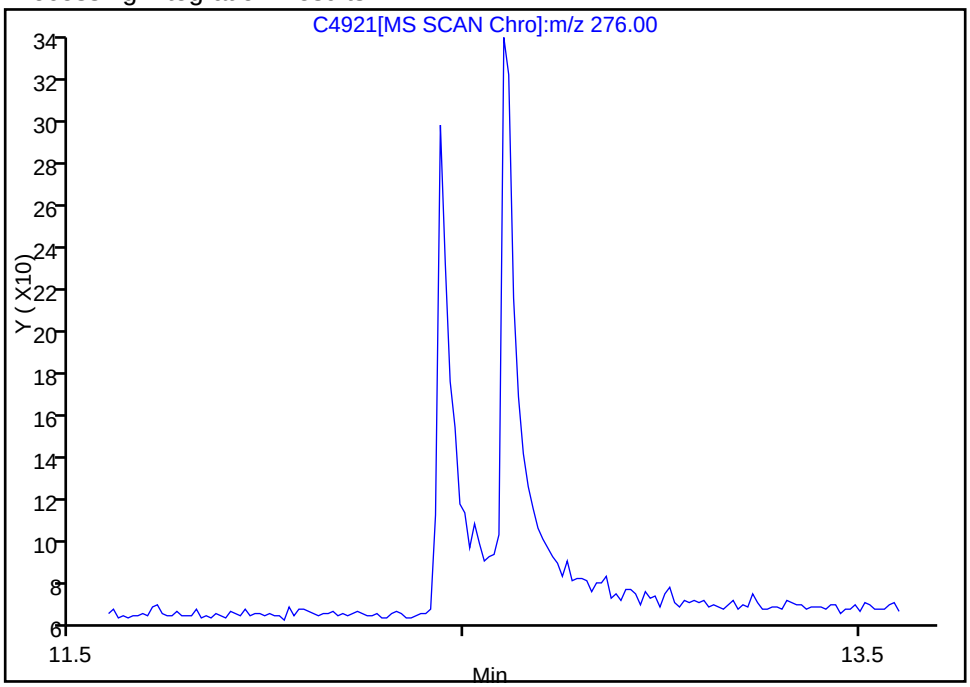
Manual Integration/User Assign Peak Report

Data File:	\\valsvr08\ChromData\SMSB\20110819-5411.b\C4921.D		
Injection Date:	19-Aug-2011 10:22:30	Limit Group:	SMS - 1 - 8270 SIM Calibration
Client ID:		Instrument ID:	SMSB
Lims Batch ID:	85359	Lims Sample ID:	2
Operator ID:	wds	Injection Vol:	1.00 ul

24 Benzo[g,h,i]perylene, Signal: 1, m/z: 276.0 Type: quant, RT: 12.60

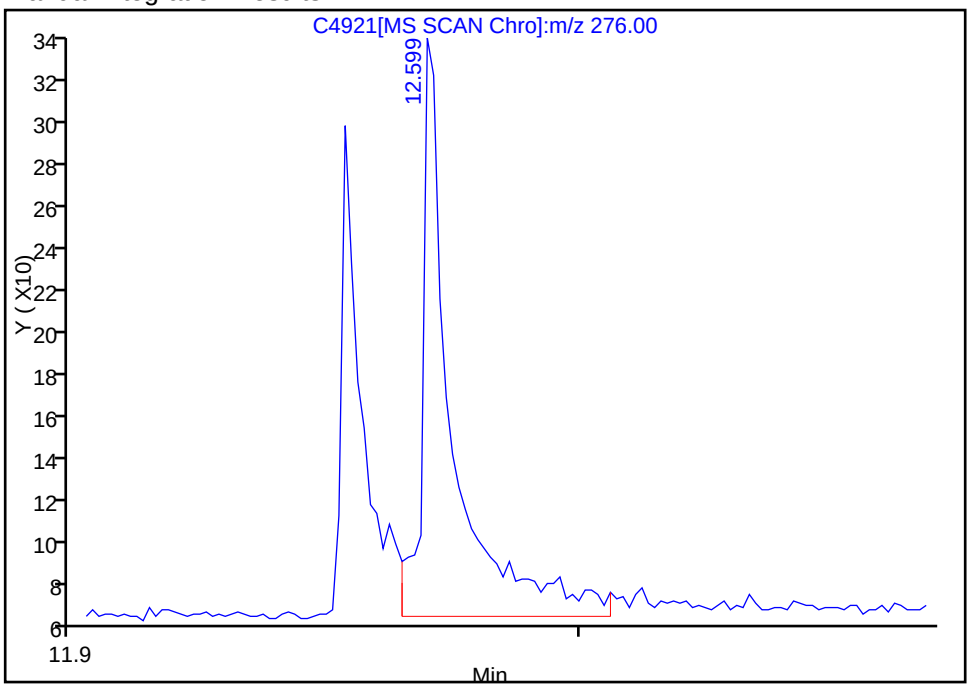
Not Detected
Expected RT: 12.60

Processing Integration Results



Manual Integration Results

RT: 12.60
Response: 1082
Amount: 0.494556



Reviewer: squiresb, 19-Aug-2011 11:06:43
Audit Action: Manually Integrated
Audit Reason: Assign Peak

Report Date: 19-Aug-2011 13:54:27 Chrom Revision: 1.2 13-Jul-2011 10:43:06

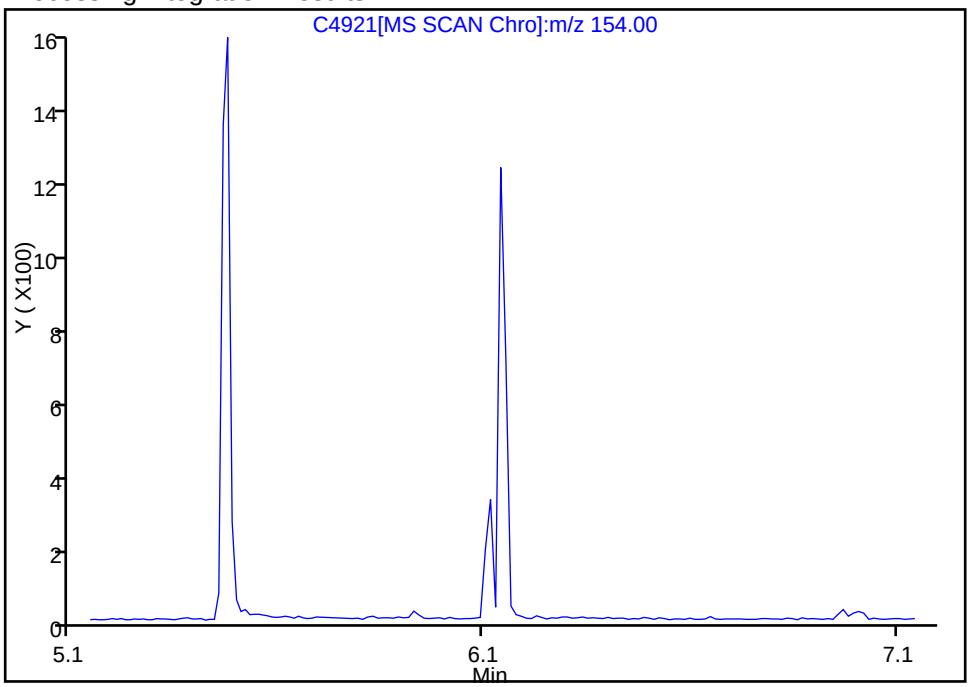
Manual Integration/User Assign Peak Report

Data File:	\\valsvr08\ChromData\SMSB\20110819-5411.b\C4921.D		
Injection Date:	19-Aug-2011 10:22:30	Limit Group:	SMS - 1 - 8270 SIM Calibration
Client ID:		Instrument ID:	SMSB
Lims Batch ID:	85359	Lims Sample ID:	2
Operator ID:	wds	Injection Vol:	1.00 ul

74 Acenaphthene, Signal: 1, m/z: 154.0 Type: quant, RT: 6.14

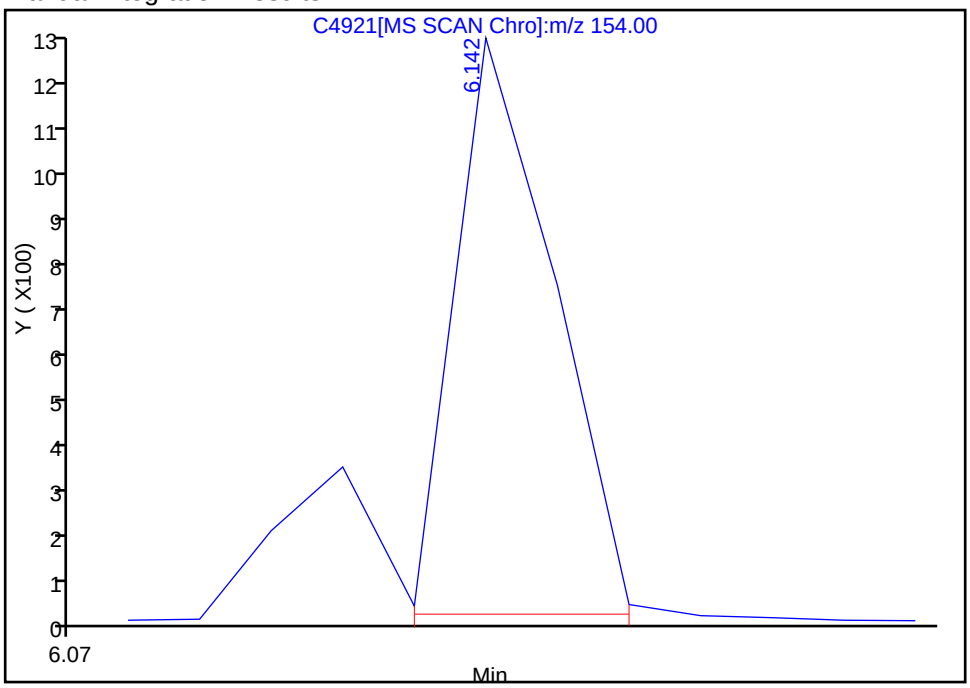
Not Detected
Expected RT: 6.14

Processing Integration Results



Manual Integration Results

RT: 6.14
Response: 1356
Amount: 0.467718



Reviewer: squiresb, 19-Aug-2011 11:06:43
Audit Action: Manually Integrated
Audit Reason: Assign Peak

Report Date: 19-Aug-2011 13:54:28 Chrom Revision: 1.2 13-Jul-2011 10:43:06

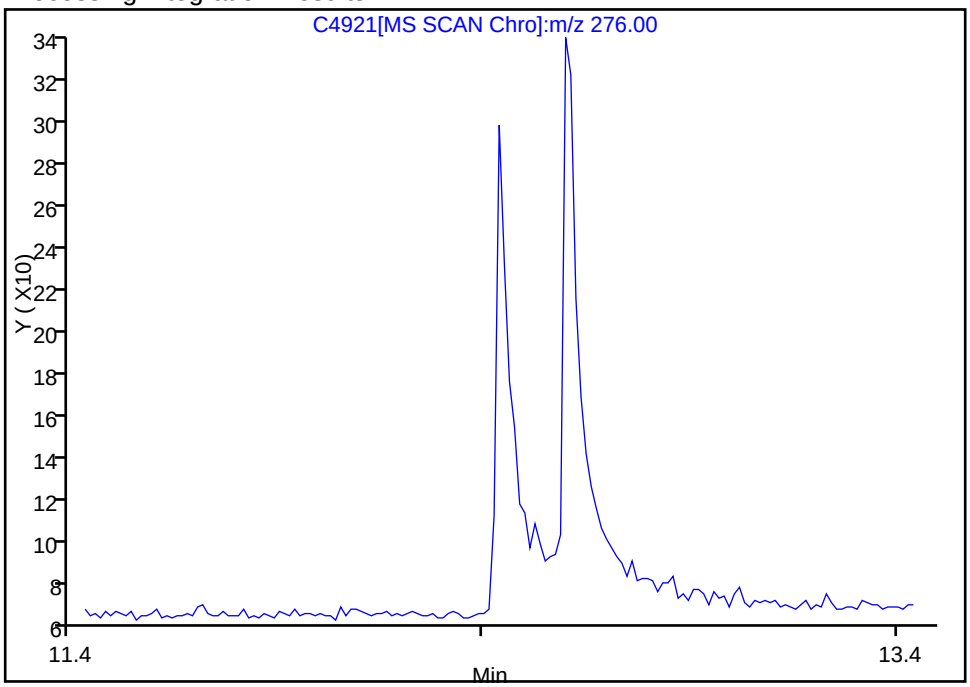
Manual Integration/User Assign Peak Report

Data File:	\\valsvr08\ChromData\SMSB\20110819-5411.b\C4921.D		
Injection Date:	19-Aug-2011 10:22:30	Limit Group:	SMS - 1 - 8270 SIM Calibration
Client ID:		Instrument ID:	SMSB
Lims Batch ID:	85359	Lims Sample ID:	2
Operator ID:	wds	Injection Vol:	1.00 ul

110 Indeno[1,2,3-cd]pyrene, Signal: 1, m/z: 276.0 Type: quant, RT: 12.44

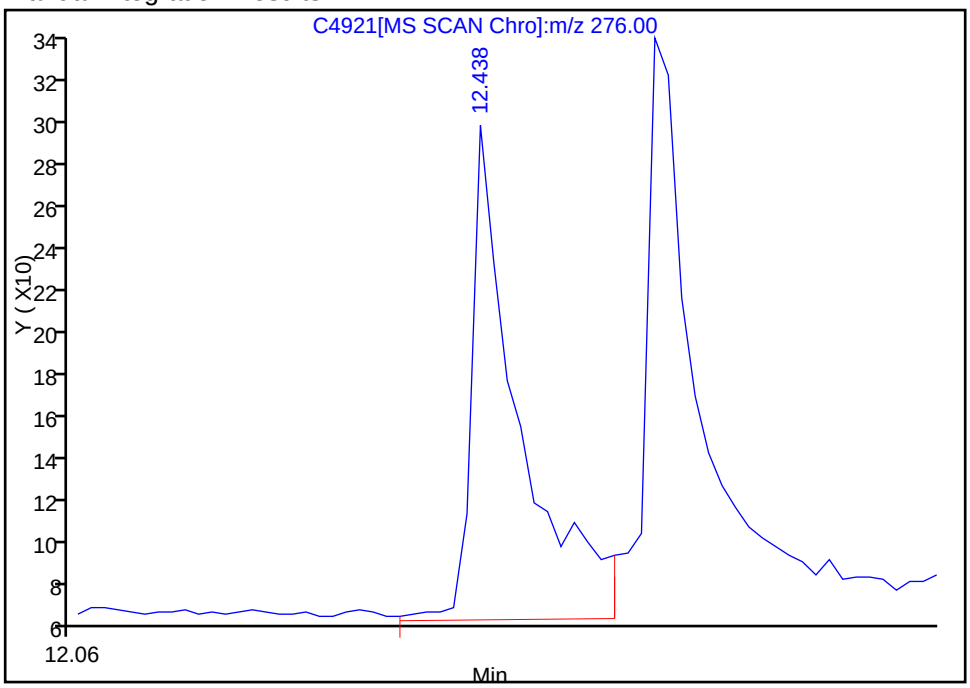
Not Detected
Expected RT: 12.44

Processing Integration Results



Manual Integration Results

RT: 12.44
Response: 689
Amount: 0.964197



Reviewer: squiresb, 19-Aug-2011 11:06:43
Audit Action: Manually Integrated
Audit Reason: Assign Peak

Report Date: 19-Aug-2011 13:54:27 Chrom Revision: 1.2 13-Jul-2011 10:43:06

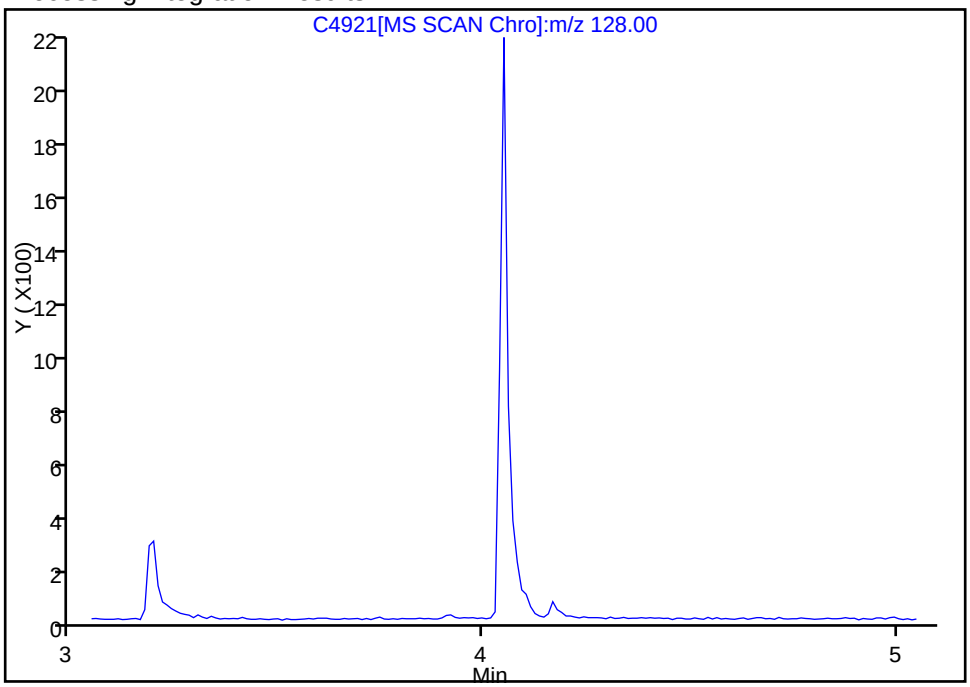
Manual Integration/User Assign Peak Report

Data File:	\\valsvr08\ChromData\SMSB\20110819-5411.b\C4921.D		
Injection Date:	19-Aug-2011 10:22:30	Limit Group:	SMS - 1 - 8270 SIM Calibration
Client ID:		Instrument ID:	SMSB
Lims Batch ID:	85359	Lims Sample ID:	2
Operator ID:	wds	Injection Vol:	1.00 ul

58 Naphthalene, Signal: 1, m/z: 128.0 Type: quant, RT: 4.05

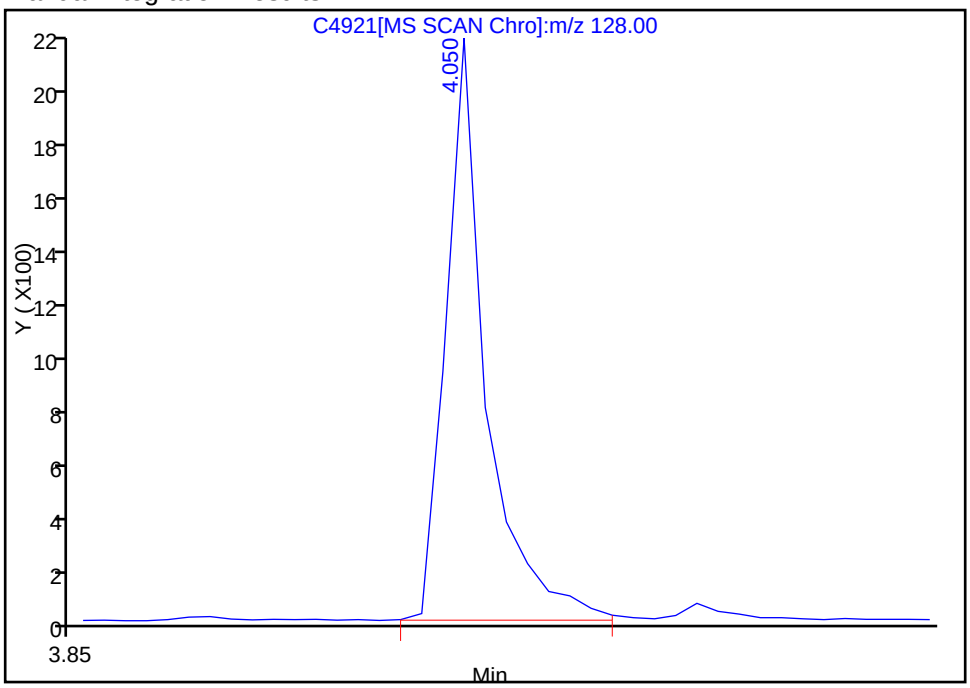
Processing Integration Results

Not Detected
Expected RT: 4.05



Manual Integration Results

RT: 4.05
Response: 2983
Amount: 0.502623



Reviewer: squiresb, 19-Aug-2011 11:06:43
Audit Action: Manually Integrated
Audit Reason: Assign Peak

Report Date: 19-Aug-2011 13:54:27 Chrom Revision: 1.2 13-Jul-2011 10:43:06

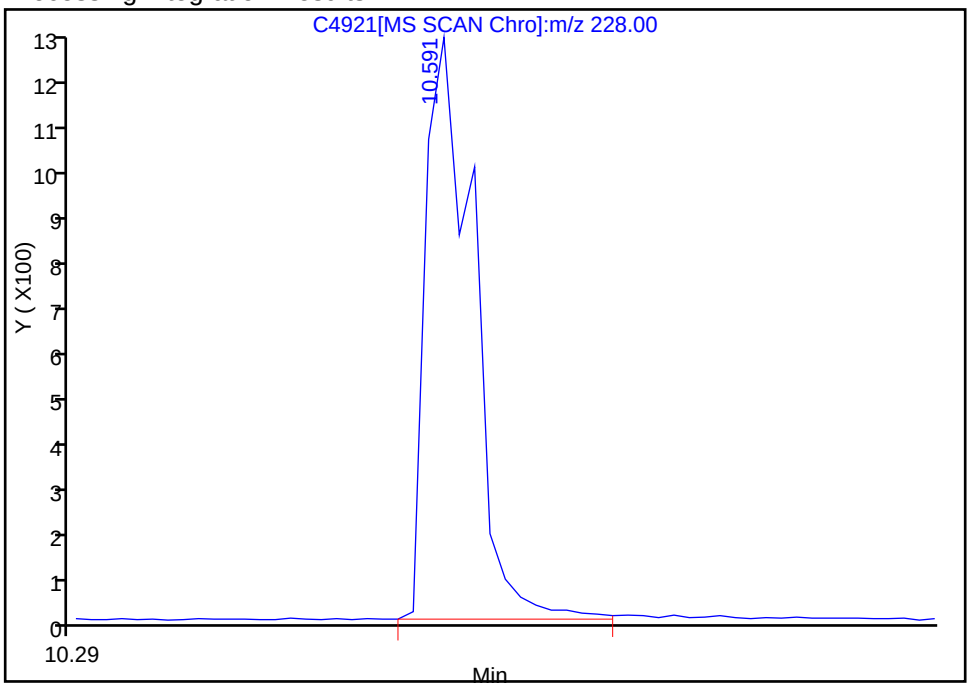
Manual Integration/User Assign Peak Report

Data File:	\\valsvr08\ChromData\SMSB\20110819-5411.b\C4921.D		
Injection Date:	19-Aug-2011 10:22:30	Limit Group:	SMS - 1 - 8270 SIM Calibration
Client ID:		Instrument ID:	SMSB
Lims Batch ID:	85359	Lims Sample ID:	2
Operator ID:	wds	Injection Vol:	1.00 ul

101 Benzo[a]anthracene, Signal: 1, m/z: 228.0 Type: quant, RT: 10.59

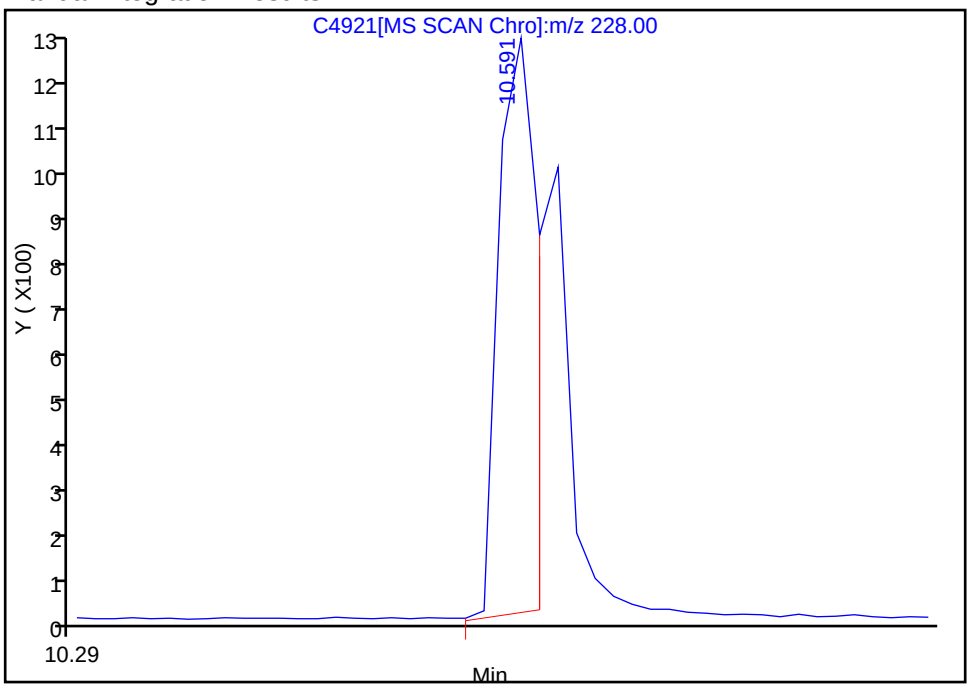
Processing Integration Results

RT: 10.59
Response: 3124
Amount: 0.500000



Manual Integration Results

RT: 10.59
Response: 2141
Amount: 0.641603



Reviewer: squiresb, 19-Aug-2011 11:06:43
Audit Action: Manually Integrated
Audit Reason: Assign Peak

Report Date: 19-Aug-2011 13:54:28 Chrom Revision: 1.2 13-Jul-2011 10:43:06

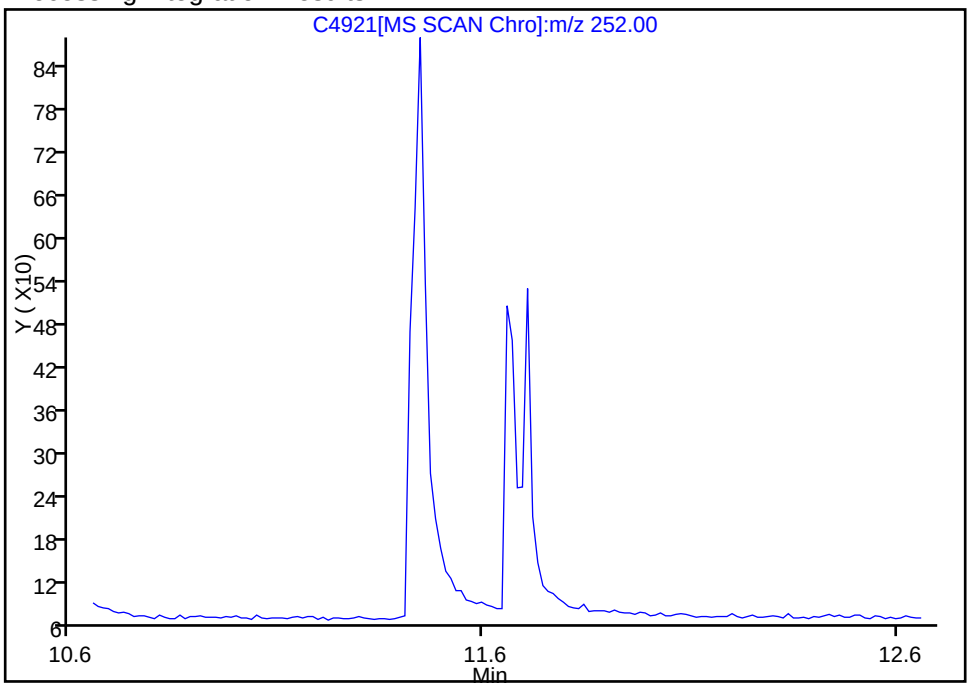
Manual Integration/User Assign Peak Report

Data File:	\\valsvr08\ChromData\SMSB\20110819-5411.b\C4921.D		
Injection Date:	19-Aug-2011 10:22:30	Limit Group:	SMS - 1 - 8270 SIM Calibration
Client ID:		Instrument ID:	SMSB
Lims Batch ID:	85359	Lims Sample ID:	2
Operator ID:	wds	Injection Vol:	1.00 ul

108 Benzo[a]pyrene, Signal: 1, m/z: 252.0 Type: quant, RT: 11.66

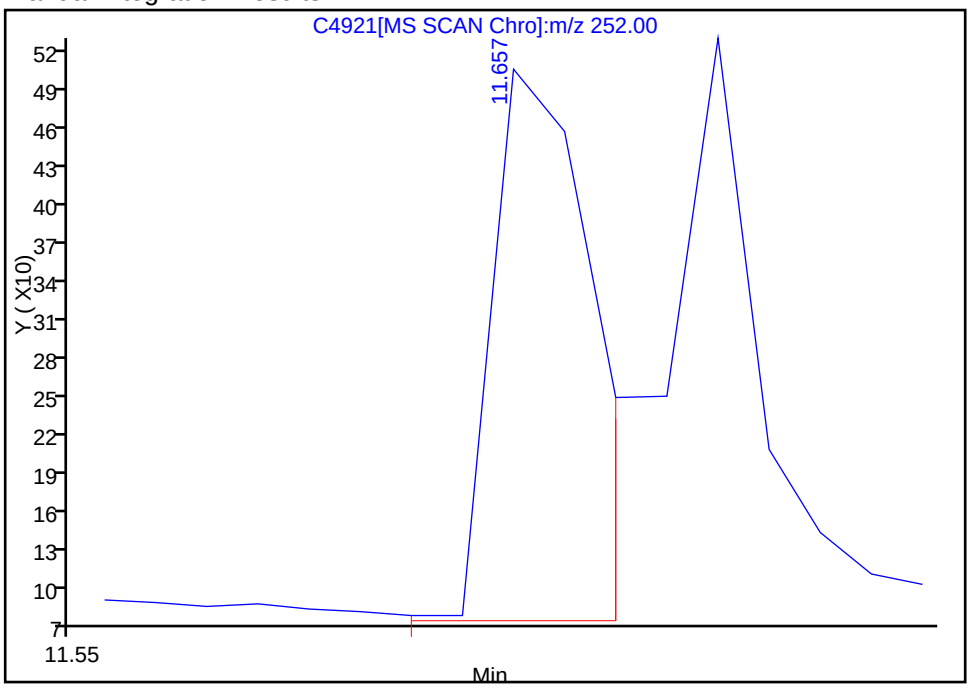
Processing Integration Results

Not Detected
Expected RT: 11.66



Manual Integration Results

RT: 11.66
Response: 730
Amount: 0.305031



Reviewer: squiresb, 19-Aug-2011 11:06:43
Audit Action: Manually Integrated
Audit Reason: Assign Peak

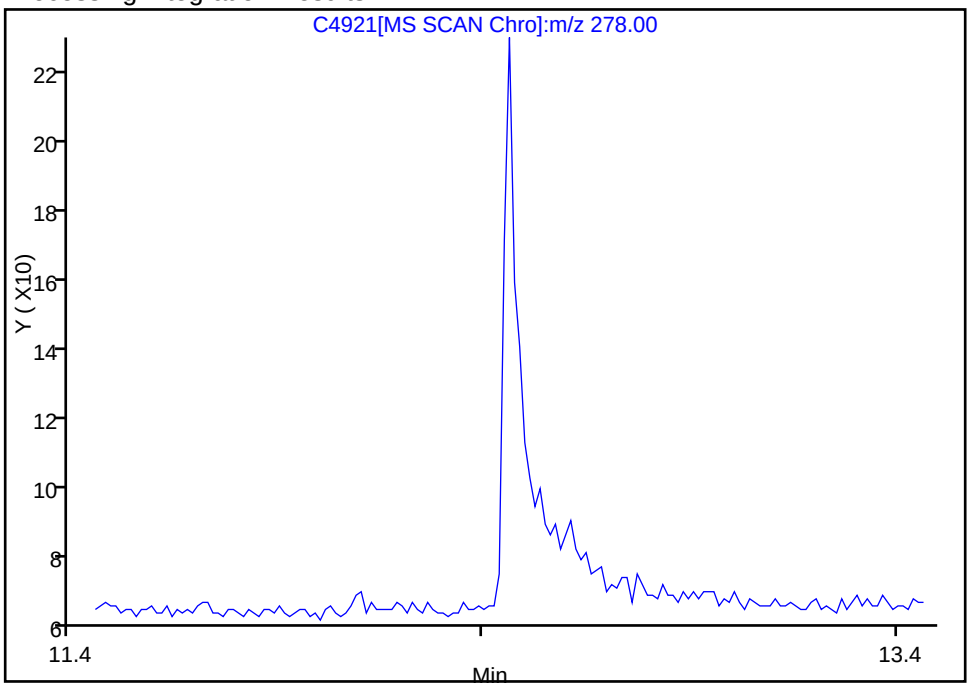
Manual Integration/User Assign Peak Report

Data File:	\\valsvr08\ChromData\SMSB\20110819-5411.b\C4921.D		
Injection Date:	19-Aug-2011 10:22:30	Limit Group:	SMS - 1 - 8270 SIM Calibration
Client ID:		Instrument ID:	SMSB
Lims Batch ID:	85359	Lims Sample ID:	2
Operator ID:	wds	Injection Vol:	1.00 ul

111 Dibenz(a,h)anthracene, Signal: 1, m/z: 278.0 Type: quant, RT: 12.46

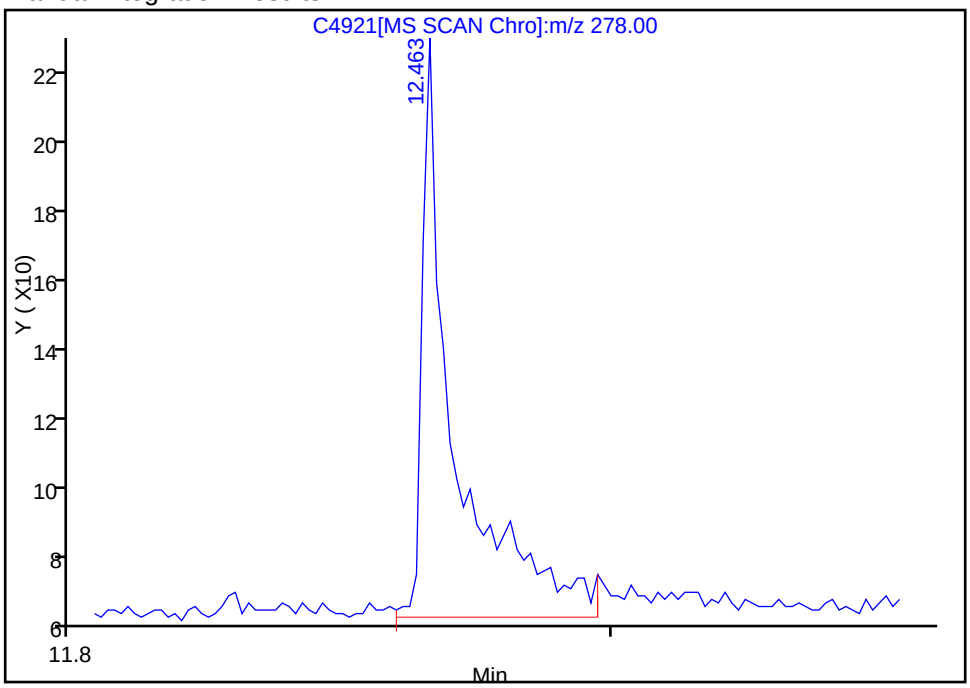
Processing Integration Results

Not Detected
Expected RT: 12.46



Manual Integration Results

RT: 12.46
Response: 678
Amount: 0.539742



Reviewer: squiresb, 19-Aug-2011 11:06:43
Audit Action: Manually Integrated
Audit Reason: Assign Peak

Report Date: 19-Aug-2011 13:54:27 Chrom Revision: 1.2 13-Jul-2011 10:43:06

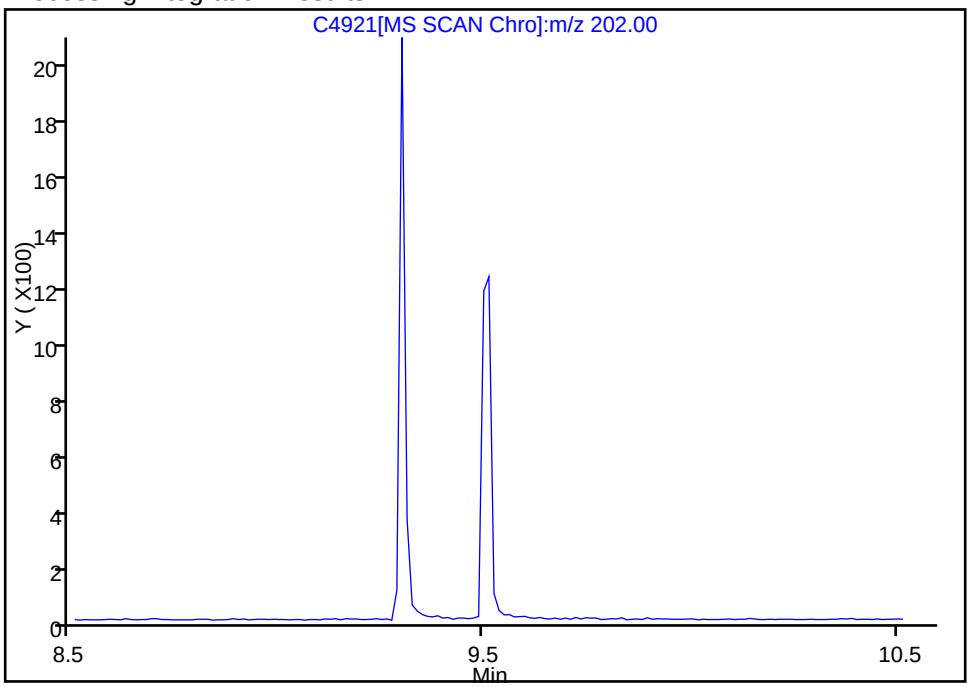
Manual Integration/User Assign Peak Report

Data File:	\\valsvr08\ChromData\SMSB\20110819-5411.b\C4921.D		
Injection Date:	19-Aug-2011 10:22:30	Limit Group:	SMS - 1 - 8270 SIM Calibration
Client ID:		Instrument ID:	SMSB
Lims Batch ID:	85359	Lims Sample ID:	2
Operator ID:	wds	Injection Vol:	1.00 ul

97 Pyrene, Signal: 1, m/z: 202.0 Type: quant, RT: 9.51

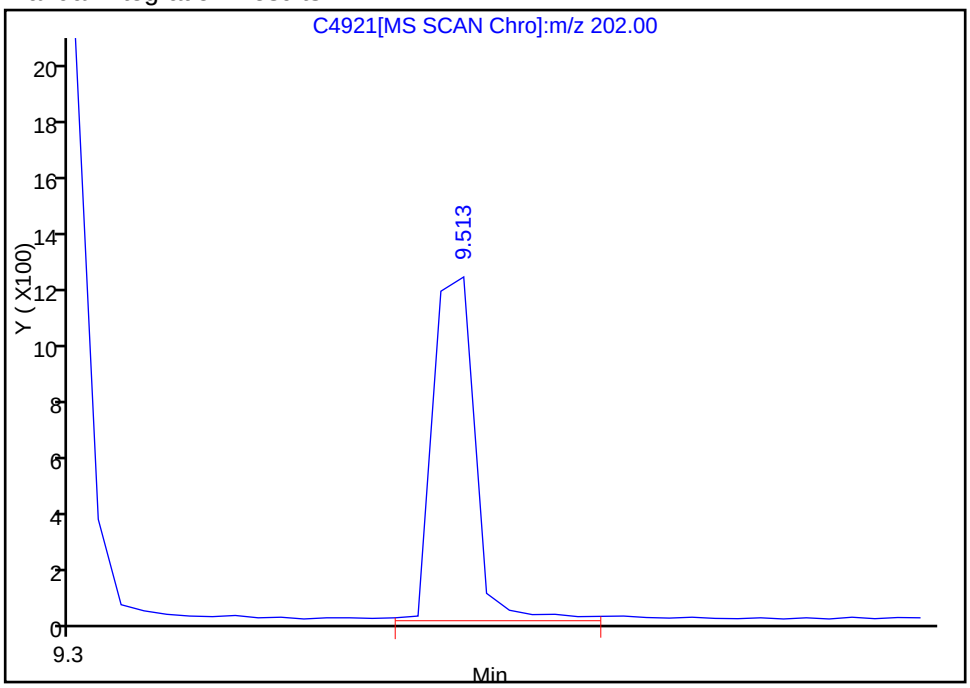
Processing Integration Results

Not Detected
Expected RT: 9.51



Manual Integration Results

RT: 9.51
Response: 1888
Amount: 0.458838



Reviewer: squiresb, 19-Aug-2011 11:06:43
Audit Action: Manually Integrated
Audit Reason: Assign Peak

Report Date: 19-Aug-2011 13:54:27 Chrom Revision: 1.2 13-Jul-2011 10:43:06

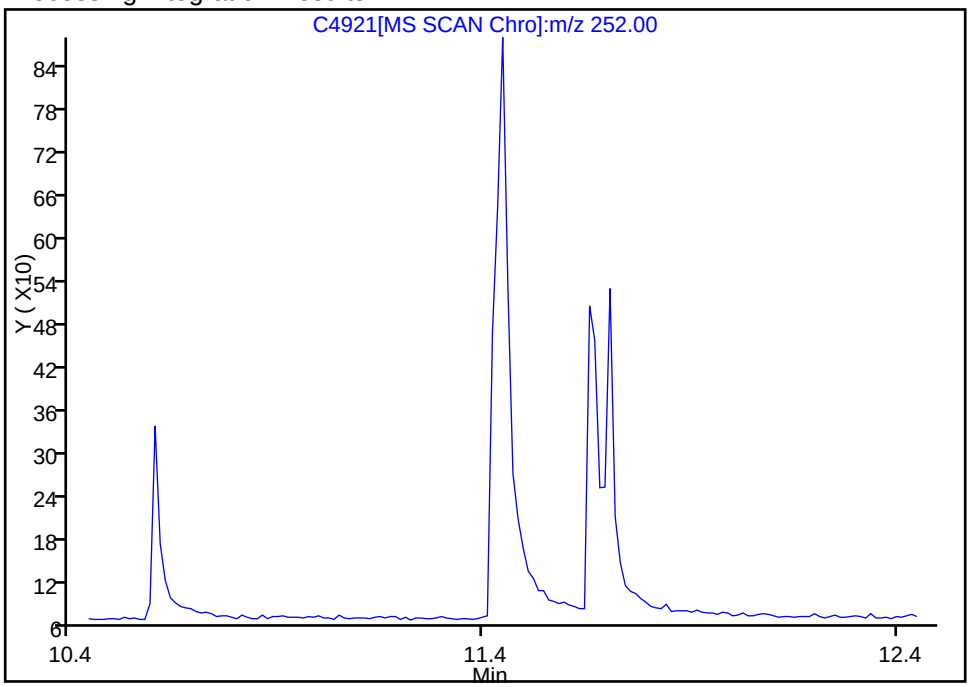
Manual Integration/User Assign Peak Report

Data File:	\\valsvr08\ChromData\SMSB\20110819-5411.b\C4921.D		
Injection Date:	19-Aug-2011 10:22:30	Limit Group:	SMS - 1 - 8270 SIM Calibration
Client ID:		Instrument ID:	SMSB
Lims Batch ID:	85359	Lims Sample ID:	2
Operator ID:	wds	Injection Vol:	1.00 ul

106 Benzo[b]fluoranthene, Signal: 1, m/z: 252.0 Type: quant, RT: 11.45

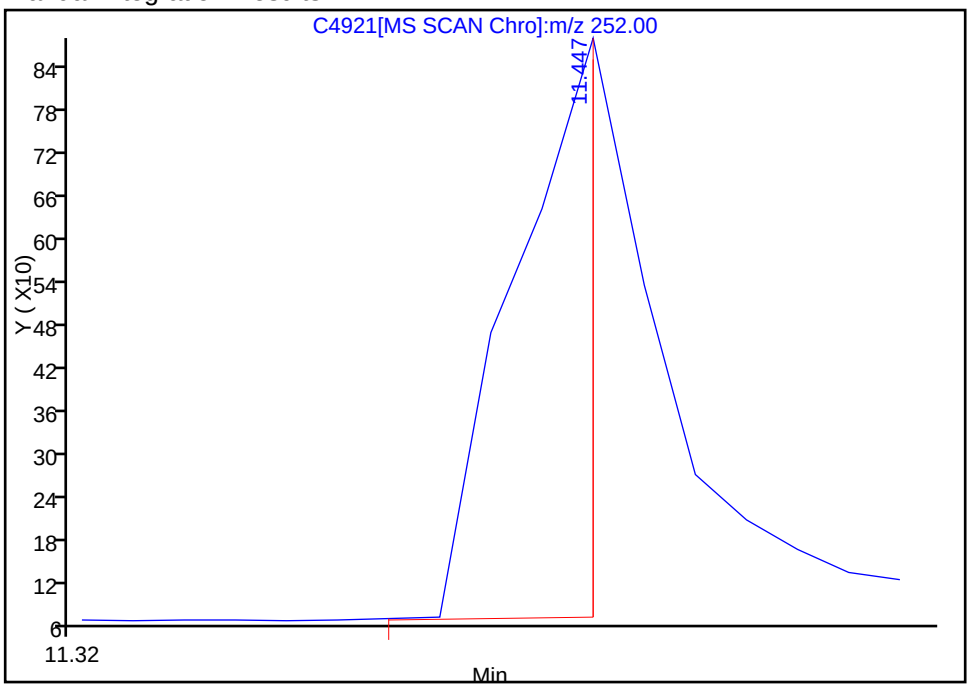
Not Detected
Expected RT: 11.45

Processing Integration Results



Manual Integration Results

RT: 11.45
Response: 1319
Amount: 0.500802



Reviewer: squiresb, 19-Aug-2011 13:54:27
Audit Action: Manually Integrated
Audit Reason: Assign Peak

TestAmerica Laboratories
Target Compound Quantitation Report

Data File:	\\valsvr08\ChromData\SMSB\20110819-5411.b\C4922.D		
Lims ID:	ic 001	Client ID:	
Inject. Date:	19-Aug-2011 10:43:30	Dil. Factor:	1.0000
Sample Type:	IC	Calib Level:	2
Sample ID:	SSTD 001		
Misc. Info.:	510-0005411-003 =510-0005411-003		
Operator:	wds	Instrument ID:	SMSB
Vol. Injected:	1.0000	ALS Bottle#:	3
Lims Batch ID:	85359	Lims Sample ID:	3
Sublist:	chrom-SIM-PNAB*sub12		
Detector:	MS SCAN		
Method:	\\valsvr08\ChromData\SMSB\20110819-5411.b\SIM-PNAB.m		
Last Update:	19-Aug-2011 13:54:30	Calib Date:	19-Aug-2011 12:50:30
Quant Method:	Internal Standard	Quant By:	Initial Calibration
Last ICal File:	\\valsvr08\ChromData\SMSB\20110819-5411.b\C4928.D		
Limit Group:	SMS - 1 - 8270 SIM Calibration		
Integrator:	RTE	ID Type:	RT Order ID
Process Host:	VAL-SMS-LAB1		

First Level Reviewer: squiresb Date: 19-Aug-2011 11:07:47

Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/ml	Ratio Range	Ratio	Flags
* 40 1,4-Dichlorobenzene-d4									
152	2.538	2.538	0.000	1	96664	40.0	70.0- 130.0	100.0	
115	2.527	2.538	-0.011		53502		25.1- 85.1	55.3	
$ 49 Nitrobenzene-d5									
82	3.193	3.193	0.000	1	2641	0.9438	70.0- 130.0	100.0	
128	3.193	3.193	0.000		1424		24.4- 84.4	53.9	
54	3.193	3.193	0.000		1248		18.1- 78.1	47.3	
* 57 Naphthalene-d8									
136	4.021	4.021	0.000	1	204824	40.0	70.0- 130.0	100.0	
58 Naphthalene									
128	4.043	4.043	0.000	0	6626	0.9795	70.0- 130.0	100.0	
129	4.043	4.043	0.000		702		0.0- 41.1	10.6	
127	4.043	4.043	0.000		817		0.0- 42.4	12.3	
62 2-Methylnaphthalene									
142	4.892	4.892	0.000	1	3846	0.9625	70.0- 130.0	100.0	
141	4.892	4.892	0.000		3077		51.2- 111.2	80.0	
115	4.892	4.892	0.000		1521		9.6- 69.6	39.5	
$ 66 2-Fluorobiphenyl									
172	5.376	5.376	0.000	1	4248	0.9688			
71 Acenaphthylene									
152	5.932	5.932	0.000	1	5615	1.01	70.0- 130.0	100.0	
151	5.932	5.932	0.000		1058		0.0- 49.5	18.8	
* 73 Acenaphthene-d10									
164	6.106	6.106	0.000	1	90799	40.0	70.0- 130.0	100.0	
162	6.106	6.106	0.000		80900		60.5- 120.5	89.1	

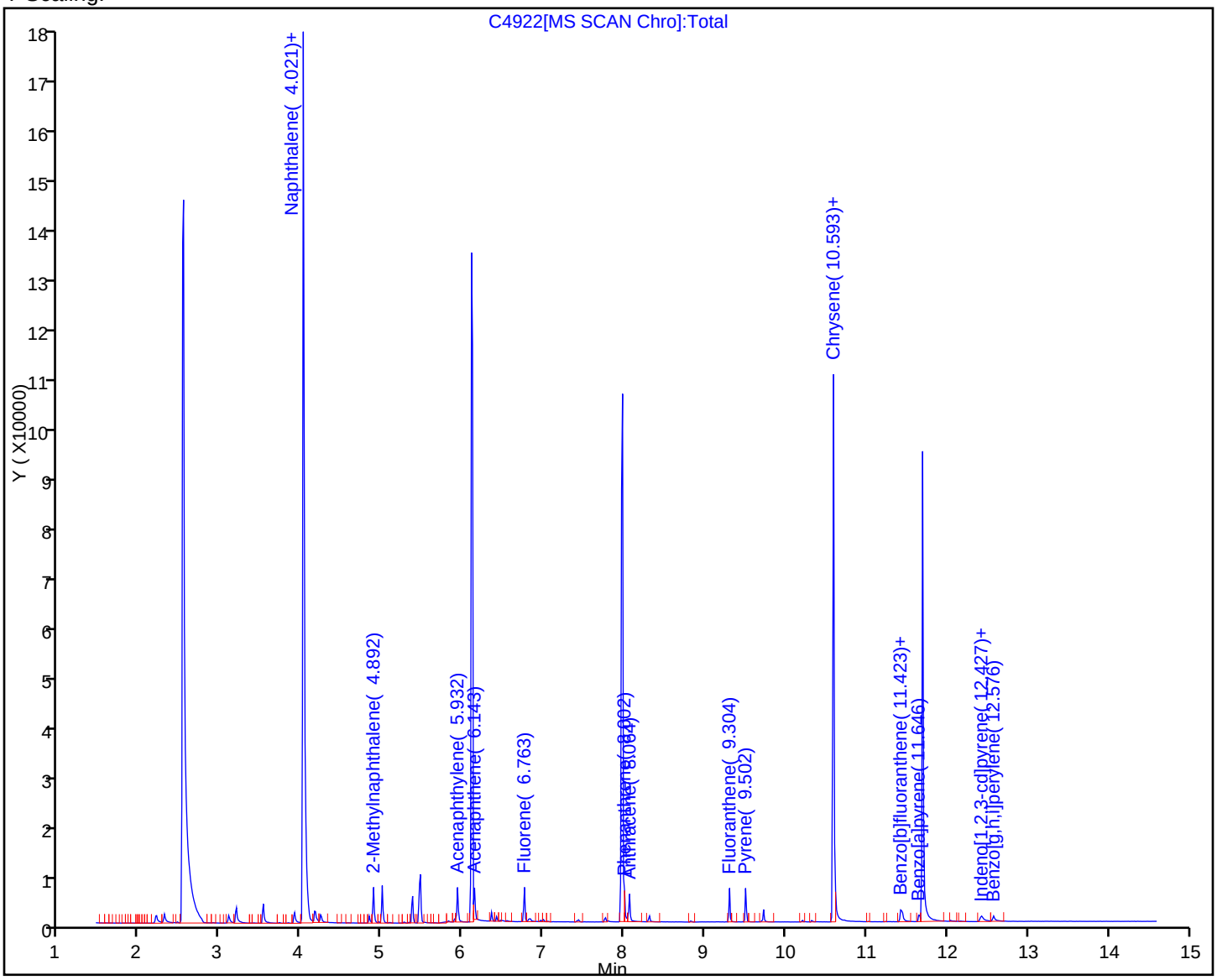
Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/ml	Ratio Range	Ratio	Flags
74 Acenaphthene									M
154	6.143	6.143	0.000	0	3139	1.01	70.0- 130.0	100.0	M
152	0.0	6.143	-6.143		0		25.6- 85.6		
153	0.0	6.143	-6.143		0		77.5- 137.5		
80 Fluorene									
166	6.763	6.763	0.000	5	3218	0.9520	70.0- 130.0	100.0	
165	6.763	6.763	0.000		2948		58.7- 118.7	91.6	
* 90 Phenanthrene-d10									M
188	7.978	7.978	0.000	1	132890	40.0	70.0- 130.0	100.0	M
91 Phenanthrene									
178	8.002	8.002	0.000	1	4353	0.9356	70.0- 130.0	100.0	
179	8.002	8.002	0.000		838		0.0- 45.5	19.3	
92 Anthracene									
178	8.064	8.064	0.000	1	4188	0.8893	70.0- 130.0	100.0	
179	8.064	8.064	0.000		610		0.0- 44.6	14.6	
95 Fluoranthene									
202	9.304	9.304	0.000	2	4201	0.9218	70.0- 130.0	100.0	
101	9.291	9.304	-0.013		576		0.0- 43.7	13.7	
203	9.304	9.304	0.000		707		0.0- 47.7	16.8	
97 Pyrene									
202	9.502	9.502	0.000	20	4406	0.9187	70.0- 130.0	100.0	
101	9.502	9.502	0.000		735		0.0- 47.5	16.7	
$ 98 Terphenyl-d14									
244	9.725	9.725	0.000	1	1738	0.9223	70.0- 130.0	100.0	
101 Benzo[a]anthracene									
228	10.580	10.580	0.000	1	3369	0.8662	70.0- 130.0	100.0	
229	10.580	10.580	0.000		1358		0.0- 57.4	40.3	
226	10.580	10.580	0.000		883		0.0- 56.2	26.2	
* 103 Chrysene-d12									M
240	10.593	10.593	0.000	1	96162	40.0	70.0- 130.0	100.0	M
104 Chrysene									M
228	10.605	10.605	0.000	1	4478	0.9859	70.0- 130.0	100.0	M
226	10.580	10.605	-0.025		883		0.0- 54.2	19.7	
229	10.580	10.605	-0.025		1358		0.0- 42.1	30.3	
106 Benzo[b]fluoranthene									M
252	11.423	11.423	0.000	1	2921	0.9523	70.0- 130.0	100.0	M
253	11.423	11.423	0.000		1160		15.4- 75.4	39.7	
107 Benzo[k]fluoranthene									M
252	11.436	11.436	0.000	1	3345	0.7884	70.0- 130.0	100.0	M
253	11.423	11.436	-0.013		1160		1.9- 61.9	34.7	
108 Benzo[a]pyrene									M
252	11.646	11.646	0.000	1	1665	0.5974	70.0- 130.0	100.0	M
253	11.423	11.646	-0.223		1160		0.0- 55.1	69.7	
* 109 Perylene-d12									
264	11.696	11.696	0.000	1	80427	40.0	70.0- 130.0	100.0	
110 Indeno[1,2,3-cd]pyrene									
276	12.415	12.415	0.000	1	1711	1.28	70.0- 130.0	100.0	
138	12.402	12.415	-0.013		532		5.1- 65.1	31.1	

Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/ml	Ratio Range	Ratio	Flags
111 Dibenz(a,h)anthracene									M
278	12.427	12.427	0.000	0	1612	0.8931	70.0- 130.0	100.0	M
139	0.0	12.427	-12.427		0		0.0- 48.5		
24 Benzo[g,h,i]perylene									M
276	12.576	12.576	0.000	1	2337	0.9172	70.0- 130.0	100.0	M
138	12.402	12.576	-0.174		532		0.0- 54.9	22.8	

QC Flag Legend

Review Flags
M - Manually Integrated

Report Date: 19-Aug-2011 13:54:30 Chrom Revision: 1.2 13-Jul-2011 10:43:06
Data File: \\valsvr08\ChromData\SMSB\20110819-5411.b\C4922.D
Injection Date: 19-Aug-2011 10:43:30 Limit Group: SMS - 1 - 8270 SIM Calibration
Client ID: Instrument ID: SMSB
Lims Batch ID: 85359 Lims Sample ID: 3
Operator ID: wds Injection Vol: 1.00 ul
Y Scaling:



Report Date: 19-Aug-2011 13:54:30 Chrom Revision: 1.2 13-Jul-2011 10:43:06

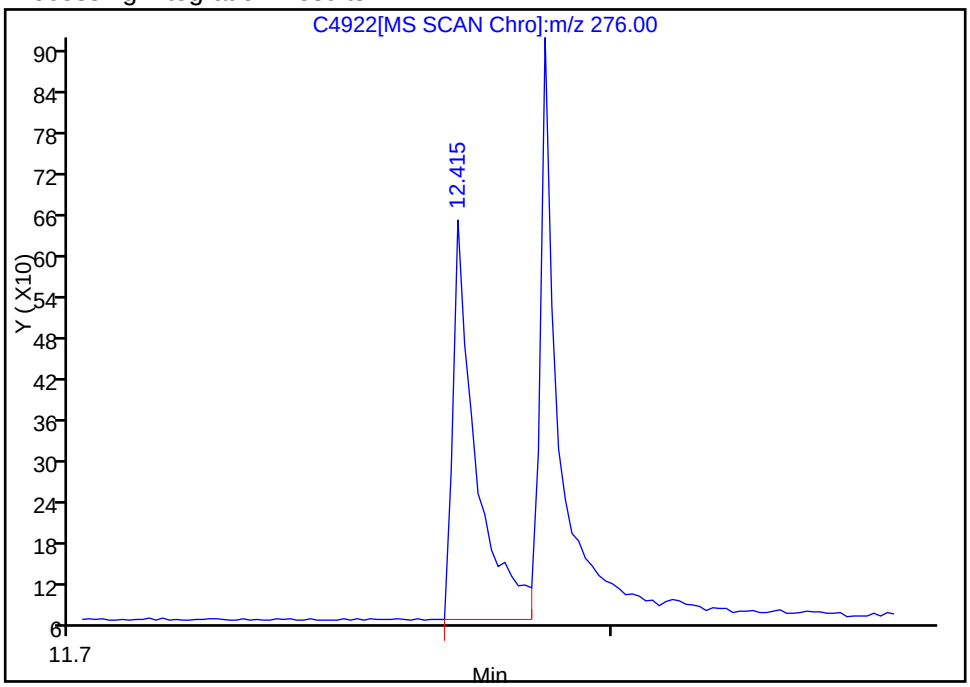
Manual Integration/User Assign Peak Report

Data File:	\\valsvr08\ChromData\SMSB\20110819-5411.b\C4922.D		
Injection Date:	19-Aug-2011 10:43:30	Limit Group:	SMS - 1 - 8270 SIM Calibration
Client ID:		Instrument ID:	SMSB
Lims Batch ID:	85359	Lims Sample ID:	3
Operator ID:	wds	Injection Vol:	1.00 ul

24 Benzo[g,h,i]perylene, Signal: 1, m/z: 276.0 Type: quant, RT: 12.58

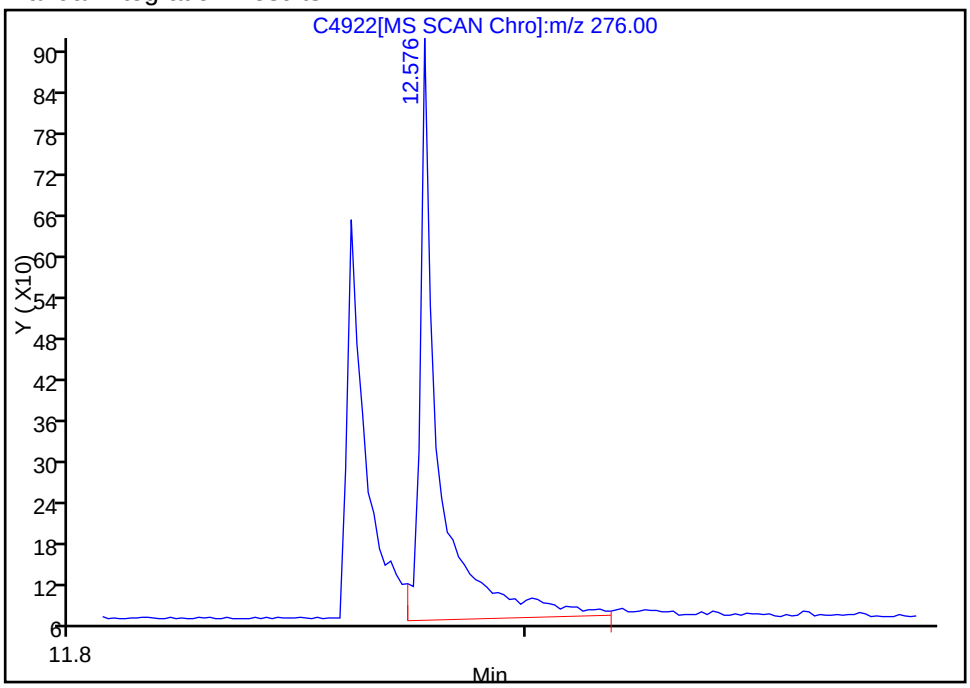
Processing Integration Results

RT: 12.41
Response: 1711
Amount: 1.000000



Manual Integration Results

RT: 12.58
Response: 2337
Amount: 0.917190



Reviewer: squiresb, 19-Aug-2011 11:07:47
Audit Action: Manually Integrated
Audit Reason: Assign Peak

Report Date: 19-Aug-2011 13:54:30 Chrom Revision: 1.2 13-Jul-2011 10:43:06

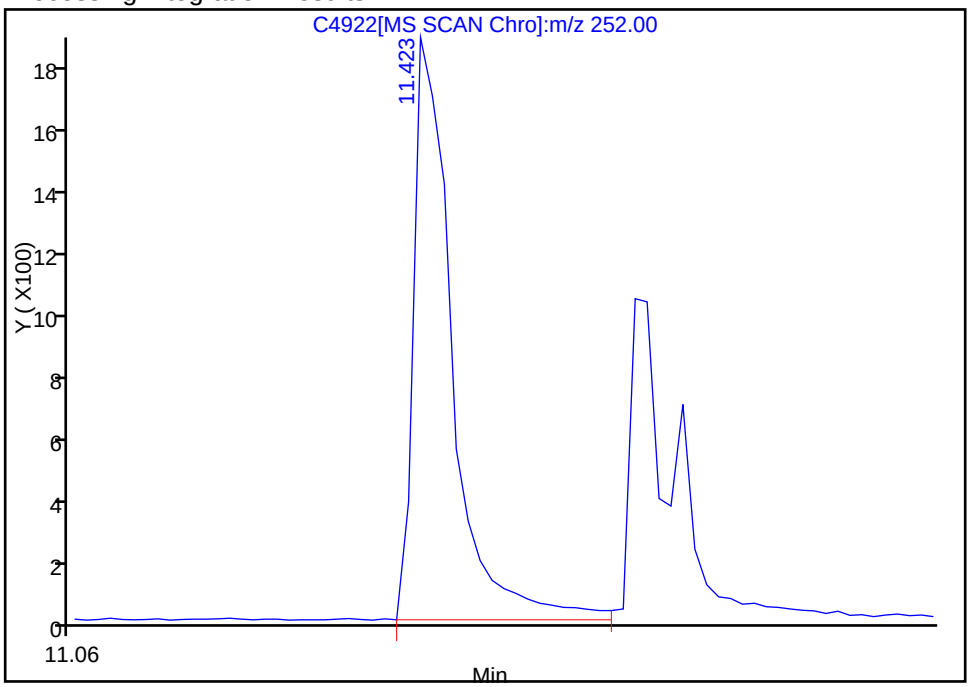
Manual Integration/User Assign Peak Report

Data File:	\\valsvr08\ChromData\SMSB\20110819-5411.b\C4922.D		
Injection Date:	19-Aug-2011 10:43:30	Limit Group:	SMS - 1 - 8270 SIM Calibration
Client ID:		Instrument ID:	SMSB
Lims Batch ID:	85359	Lims Sample ID:	3
Operator ID:	wds	Injection Vol:	1.00 ul

106 Benzo[b]fluoranthene, Signal: 1, m/z: 252.0 Type: quant, RT: 11.42

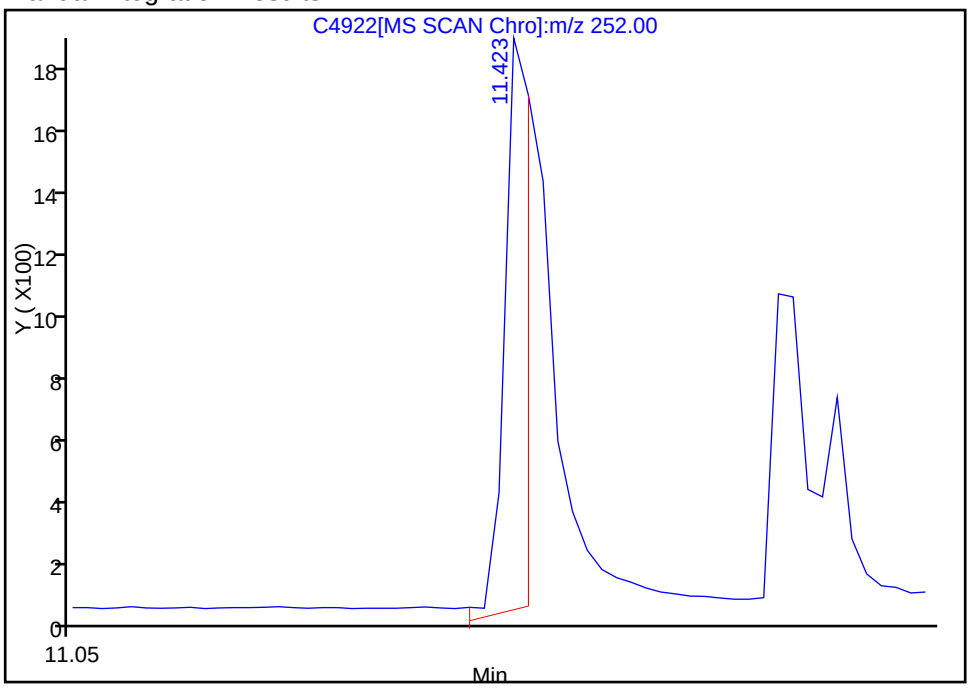
Processing Integration Results

RT: 11.42
Response: 5115
Amount: 1.000000



Manual Integration Results

RT: 11.42
Response: 2921
Amount: 0.952281



Reviewer: squiresb, 19-Aug-2011 11:07:47
Audit Action: Manually Integrated
Audit Reason: Assign Peak

Report Date: 19-Aug-2011 13:54:30 Chrom Revision: 1.2 13-Jul-2011 10:43:06

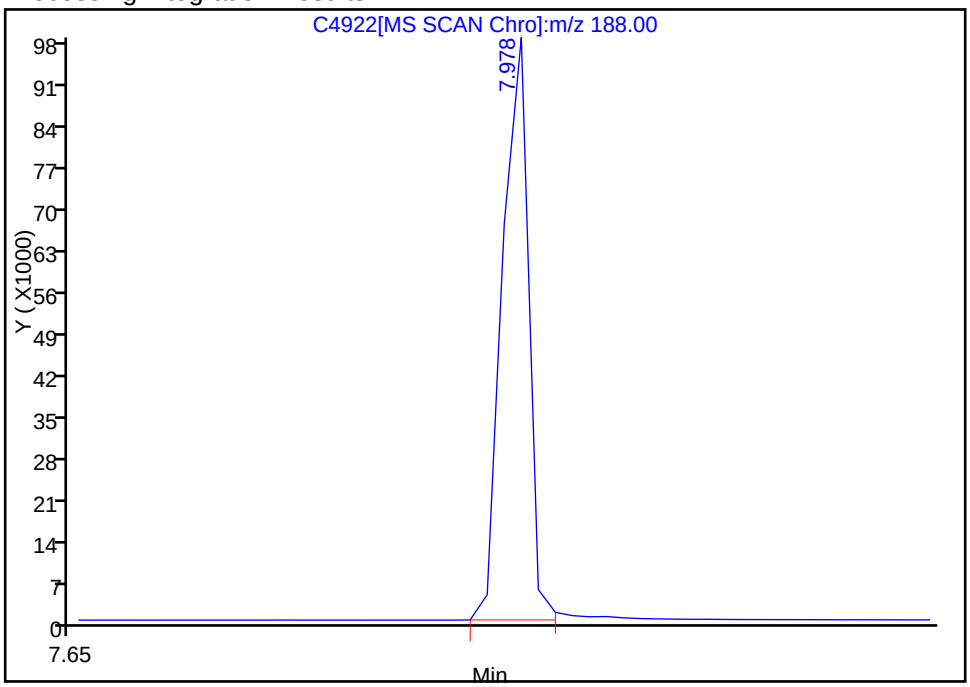
Manual Integration/User Assign Peak Report

Data File:	\\valsvr08\ChromData\SMSB\20110819-5411.b\C4922.D		
Injection Date:	19-Aug-2011 10:43:30	Limit Group:	SMS - 1 - 8270 SIM Calibration
Client ID:		Instrument ID:	SMSB
Lims Batch ID:	85359	Lims Sample ID:	3
Operator ID:	wds	Injection Vol:	1.00 ul

* 90 Phenanthrene-d10, Signal: 1, m/z: 188.0 Type: quant, RT: 7.98

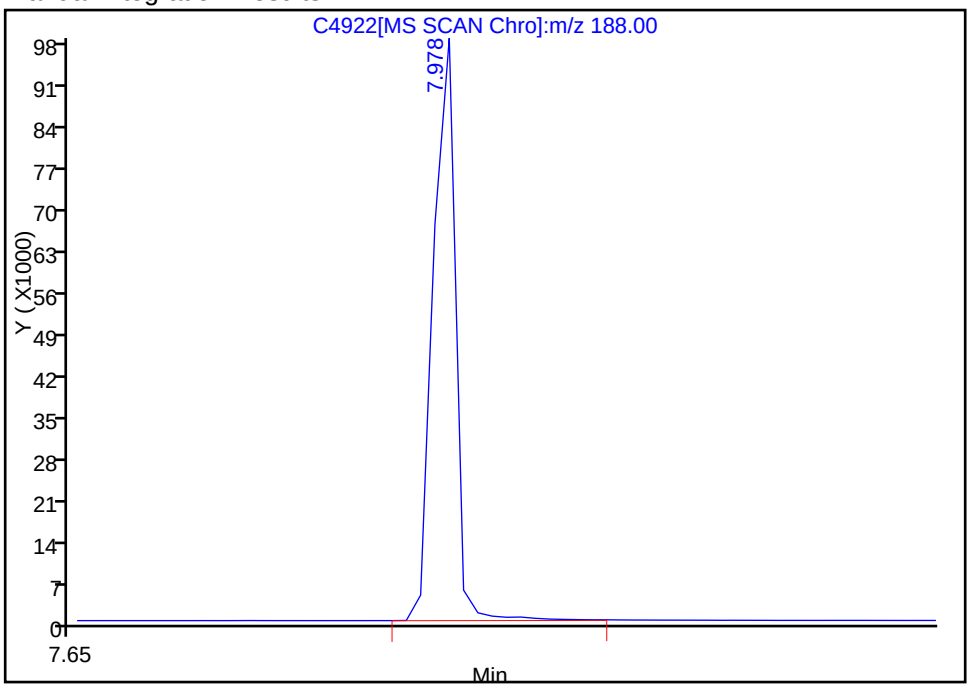
Processing Integration Results

RT: 7.98
Response: 130442
Amount: 40.000000



Manual Integration Results

RT: 7.98
Response: 132890
Amount: 40.000000



Reviewer: squiresb, 19-Aug-2011 11:07:47
Audit Action: Manually Integrated
Audit Reason: Assign Peak

Report Date: 19-Aug-2011 13:54:30 Chrom Revision: 1.2 13-Jul-2011 10:43:06

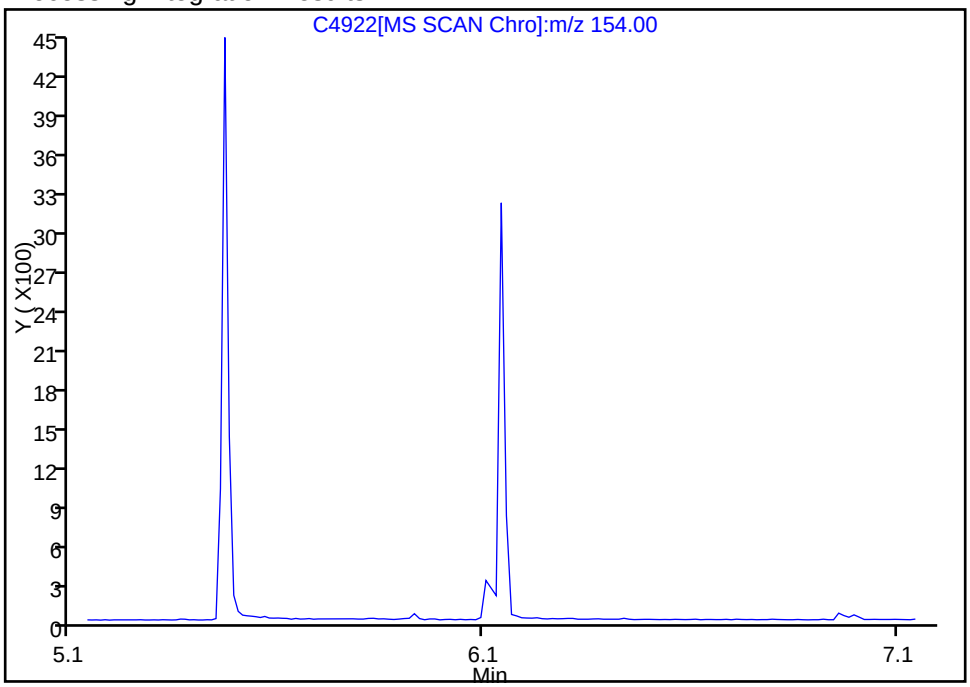
Manual Integration/User Assign Peak Report

Data File:	\\valsvr08\ChromData\SMSB\20110819-5411.b\C4922.D		
Injection Date:	19-Aug-2011 10:43:30	Limit Group:	SMS - 1 - 8270 SIM Calibration
Client ID:		Instrument ID:	SMSB
Lims Batch ID:	85359	Lims Sample ID:	3
Operator ID:	wds	Injection Vol:	1.00 ul

74 Acenaphthene, Signal: 1, m/z: 154.0 Type: quant, RT: 6.14

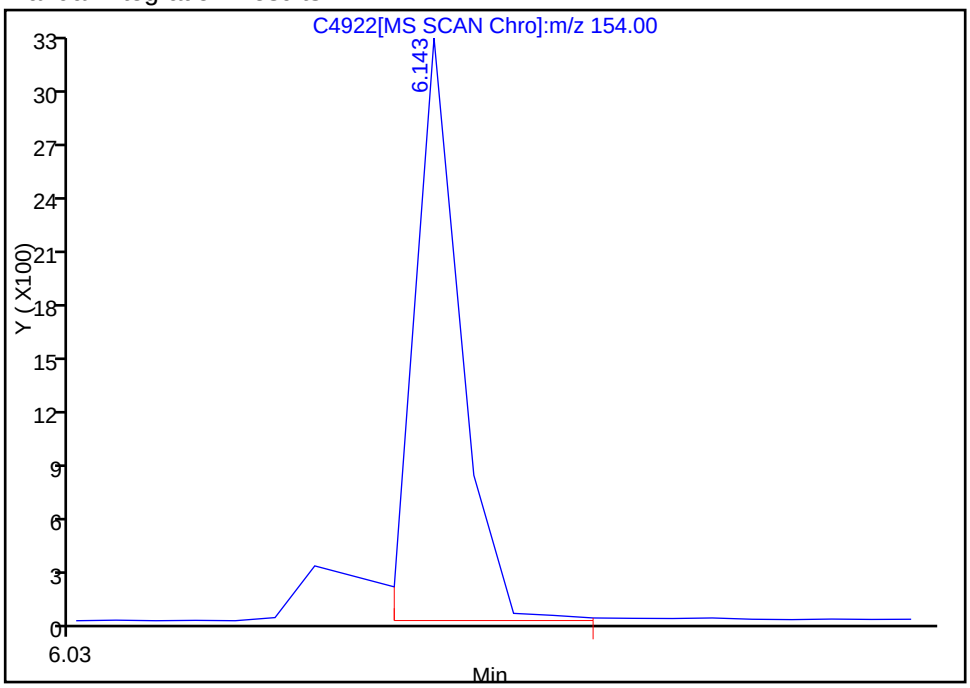
Not Detected
Expected RT: 6.14

Processing Integration Results



Manual Integration Results

RT: 6.14
Response: 3139
Amount: 1.011101



Reviewer: squiresb, 19-Aug-2011 11:07:47
Audit Action: Manually Integrated
Audit Reason: Assign Peak

Report Date: 19-Aug-2011 13:54:30 Chrom Revision: 1.2 13-Jul-2011 10:43:06

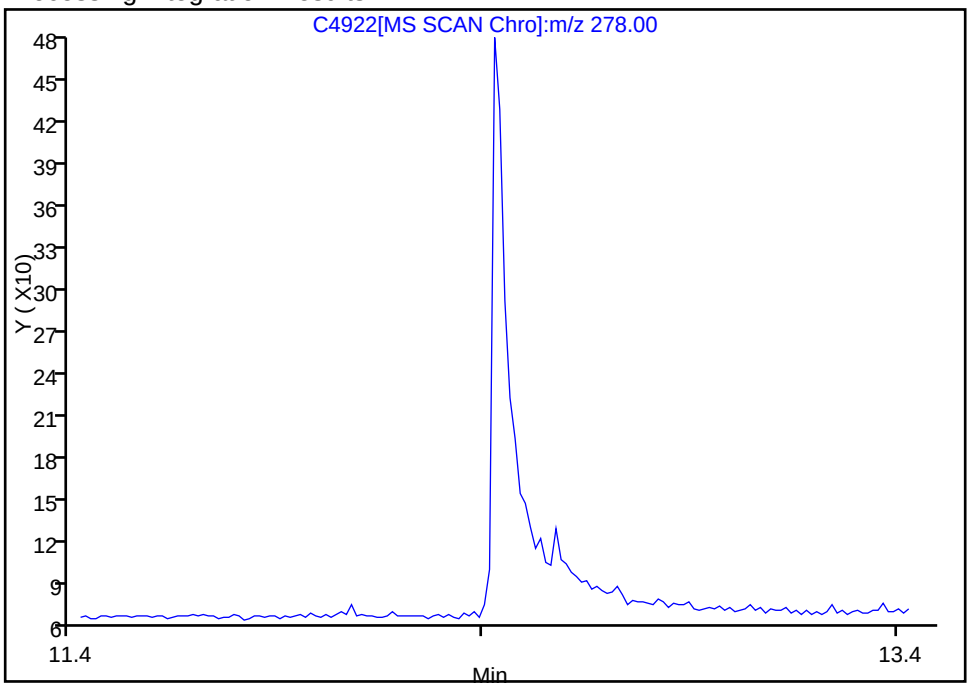
Manual Integration/User Assign Peak Report

Data File:	\\valsvr08\ChromData\SMSB\20110819-5411.b\C4922.D		
Injection Date:	19-Aug-2011 10:43:30	Limit Group:	SMS - 1 - 8270 SIM Calibration
Client ID:		Instrument ID:	SMSB
Lims Batch ID:	85359	Lims Sample ID:	3
Operator ID:	wds	Injection Vol:	1.00 ul

111 Dibenz(a,h)anthracene, Signal: 1, m/z: 278.0 Type: quant, RT: 12.43

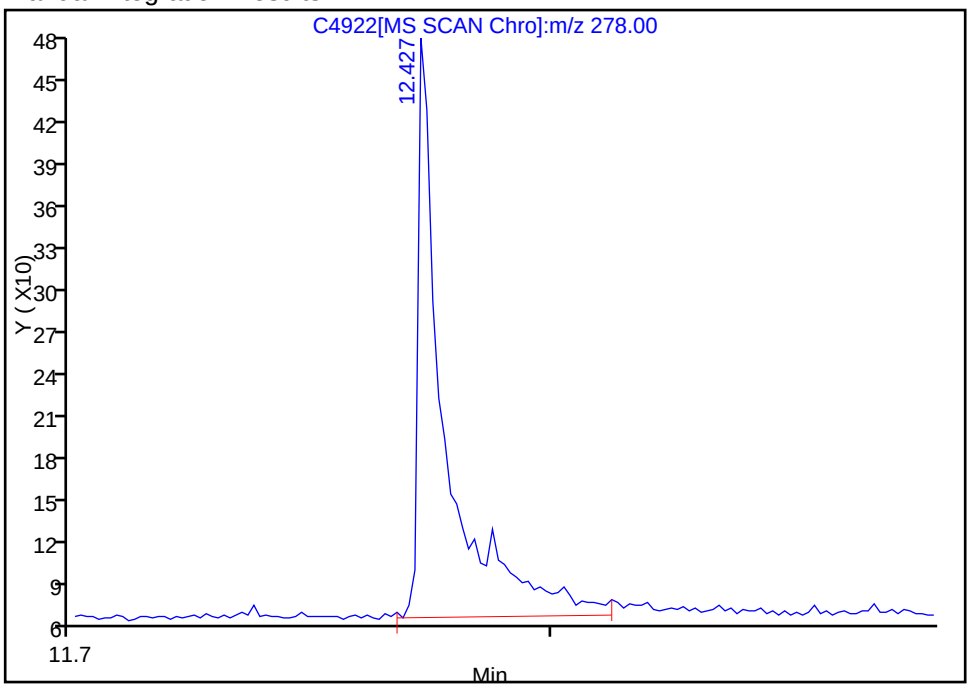
Processing Integration Results

Not Detected
Expected RT: 12.43



Manual Integration Results

RT: 12.43
Response: 1612
Amount: 0.893102



Reviewer: squiresb, 19-Aug-2011 11:07:47
Audit Action: Manually Integrated
Audit Reason: Assign Peak

Report Date: 19-Aug-2011 13:54:30 Chrom Revision: 1.2 13-Jul-2011 10:43:06

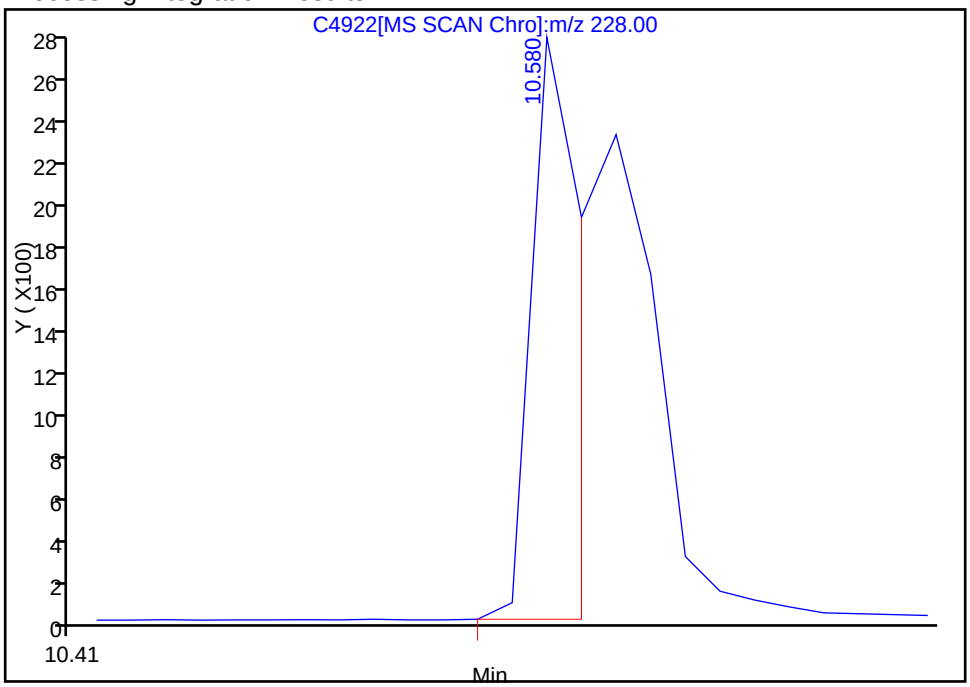
Manual Integration/User Assign Peak Report

Data File:	\\valsvr08\ChromData\SMSB\20110819-5411.b\C4922.D		
Injection Date:	19-Aug-2011 10:43:30	Limit Group:	SMS - 1 - 8270 SIM Calibration
Client ID:		Instrument ID:	SMSB
Lims Batch ID:	85359	Lims Sample ID:	3
Operator ID:	wds	Injection Vol:	1.00 ul

104 Chrysene, Signal: 1, m/z: 228.0 Type: quant, RT: 10.61

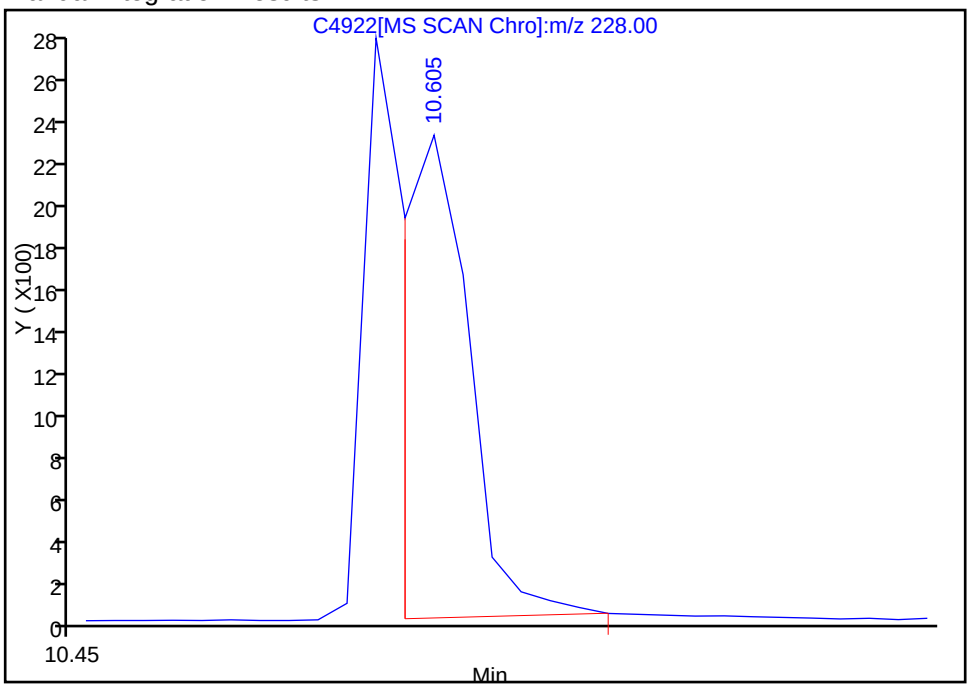
Processing Integration Results

RT: 10.58
Response: 3369
Amount: 0.958608



Manual Integration Results

RT: 10.61
Response: 4478
Amount: 0.985857



Reviewer: squiresb, 19-Aug-2011 11:07:47
Audit Action: Manually Integrated
Audit Reason: Assign Peak

Report Date: 19-Aug-2011 13:54:30 Chrom Revision: 1.2 13-Jul-2011 10:43:06

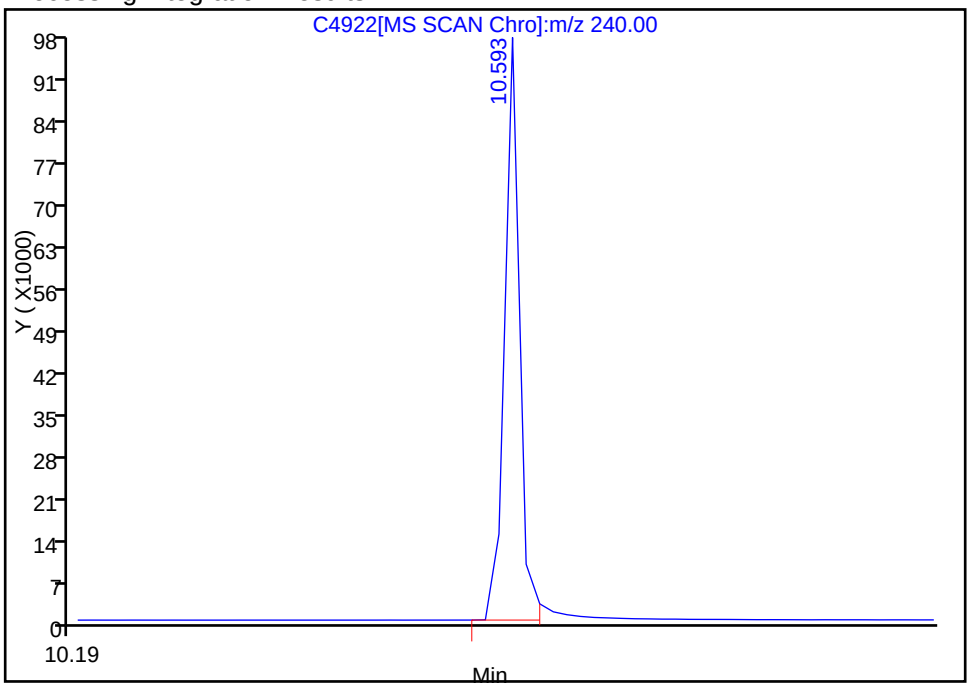
Manual Integration/User Assign Peak Report

Data File:	\\valsvr08\ChromData\SMSB\20110819-5411.b\C4922.D		
Injection Date:	19-Aug-2011 10:43:30	Limit Group:	SMS - 1 - 8270 SIM Calibration
Client ID:		Instrument ID:	SMSB
Lims Batch ID:	85359	Lims Sample ID:	3
Operator ID:	wds	Injection Vol:	1.00 ul

* 103 Chrysene-d12, Signal: 1, m/z: 240.0 Type: quant, RT: 10.59

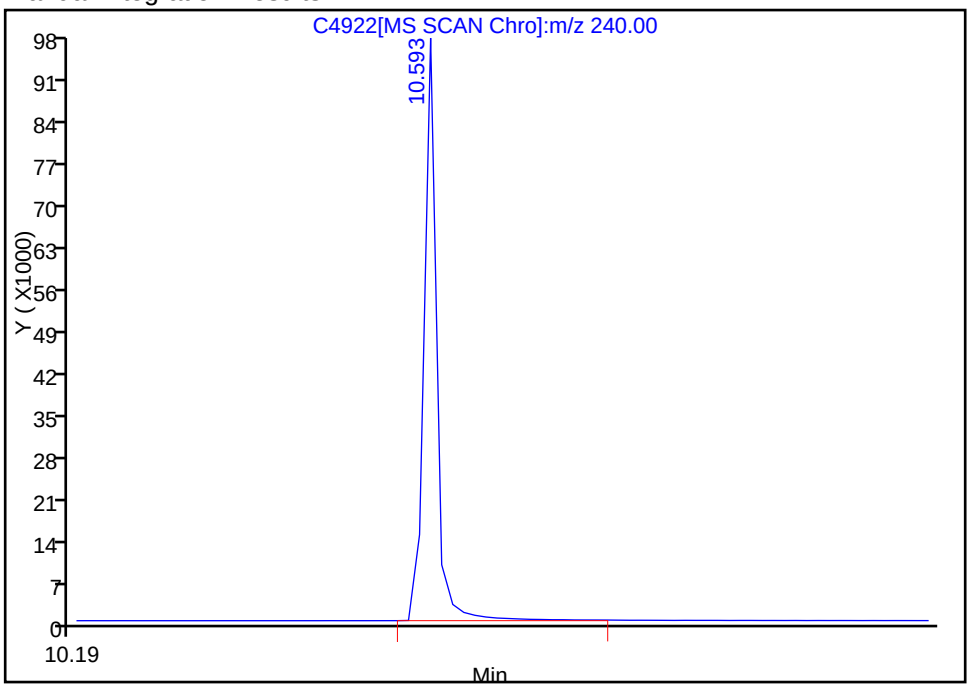
Processing Integration Results

RT: 10.59
Response: 92335
Amount: 40.000000



Manual Integration Results

RT: 10.59
Response: 96162
Amount: 40.000000



Reviewer: squiresb, 19-Aug-2011 11:07:47
Audit Action: Manually Integrated
Audit Reason: Assign Peak

Report Date: 19-Aug-2011 13:54:30 Chrom Revision: 1.2 13-Jul-2011 10:43:06

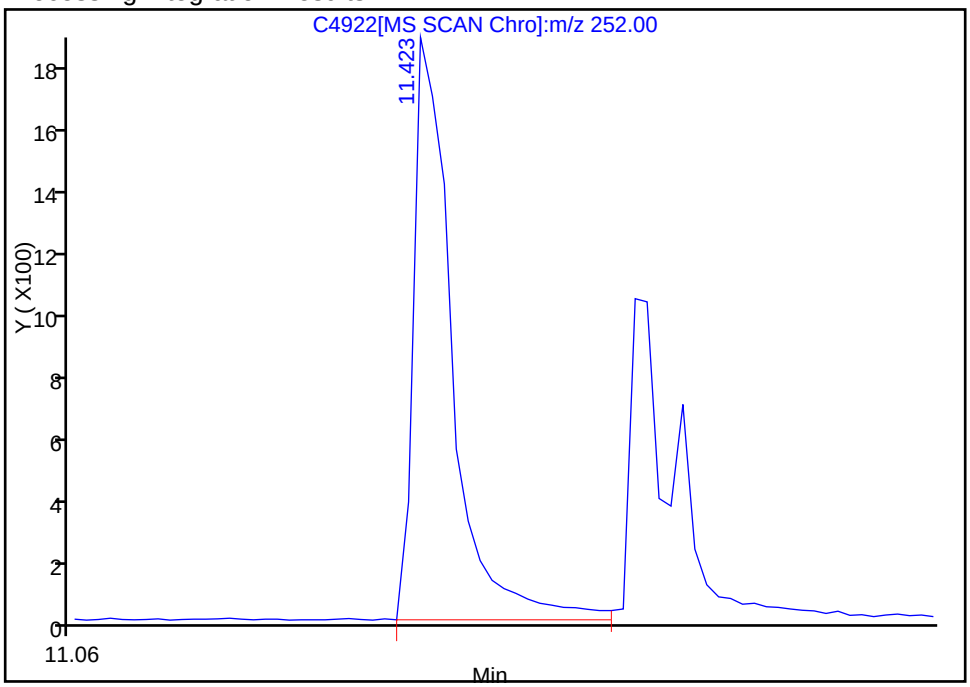
Manual Integration/User Assign Peak Report

Data File:	\\valsvr08\ChromData\SMSB\20110819-5411.b\C4922.D		
Injection Date:	19-Aug-2011 10:43:30	Limit Group:	SMS - 1 - 8270 SIM Calibration
Client ID:		Instrument ID:	SMSB
Lims Batch ID:	85359	Lims Sample ID:	3
Operator ID:	wds	Injection Vol:	1.00 ul

107 Benzo[k]fluoranthene, Signal: 1, m/z: 252.0 Type: quant, RT: 11.44

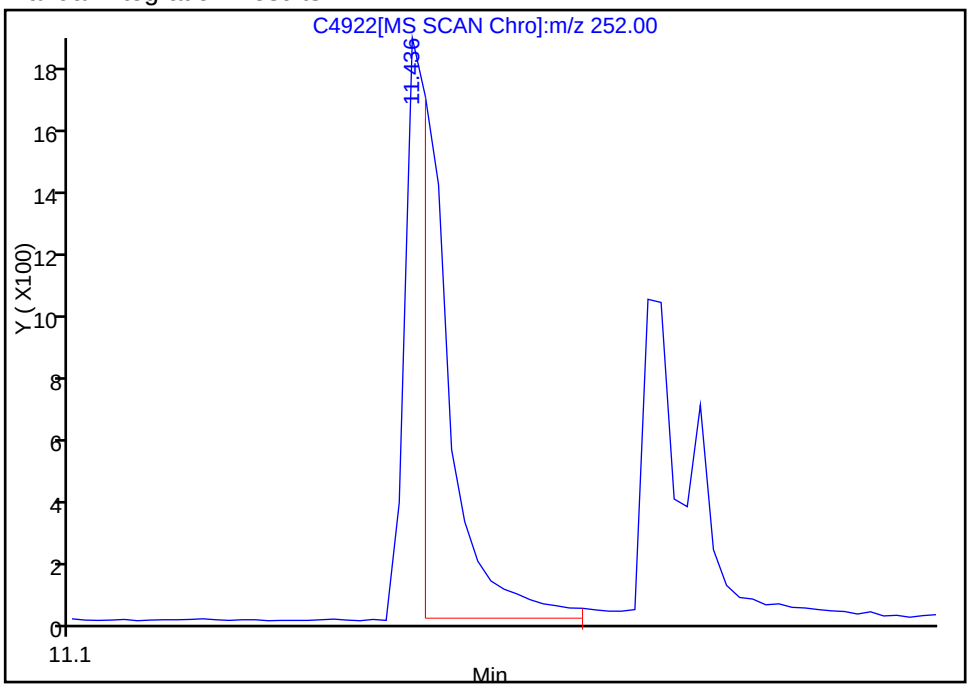
Processing Integration Results

RT: 11.42
Response: 5115
Amount: 1.064980



Manual Integration Results

RT: 11.44
Response: 3345
Amount: 0.788379



Reviewer: squiresb, 19-Aug-2011 11:07:47
Audit Action: Manually Integrated
Audit Reason: Assign Peak

Report Date: 19-Aug-2011 13:54:30 Chrom Revision: 1.2 13-Jul-2011 10:43:06

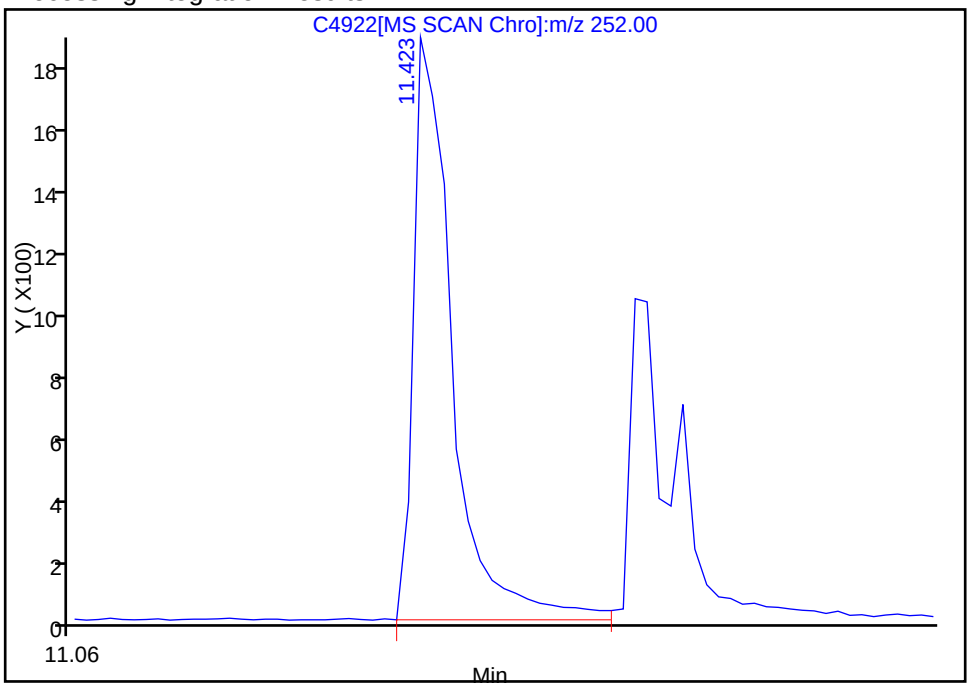
Manual Integration/User Assign Peak Report

Data File:	\\valsvr08\ChromData\SMSB\20110819-5411.b\C4922.D		
Injection Date:	19-Aug-2011 10:43:30	Limit Group:	SMS - 1 - 8270 SIM Calibration
Client ID:		Instrument ID:	SMSB
Lims Batch ID:	85359	Lims Sample ID:	3
Operator ID:	wds	Injection Vol:	1.00 ul

108 Benzo[a]pyrene, Signal: 1, m/z: 252.0 Type: quant, RT: 11.65

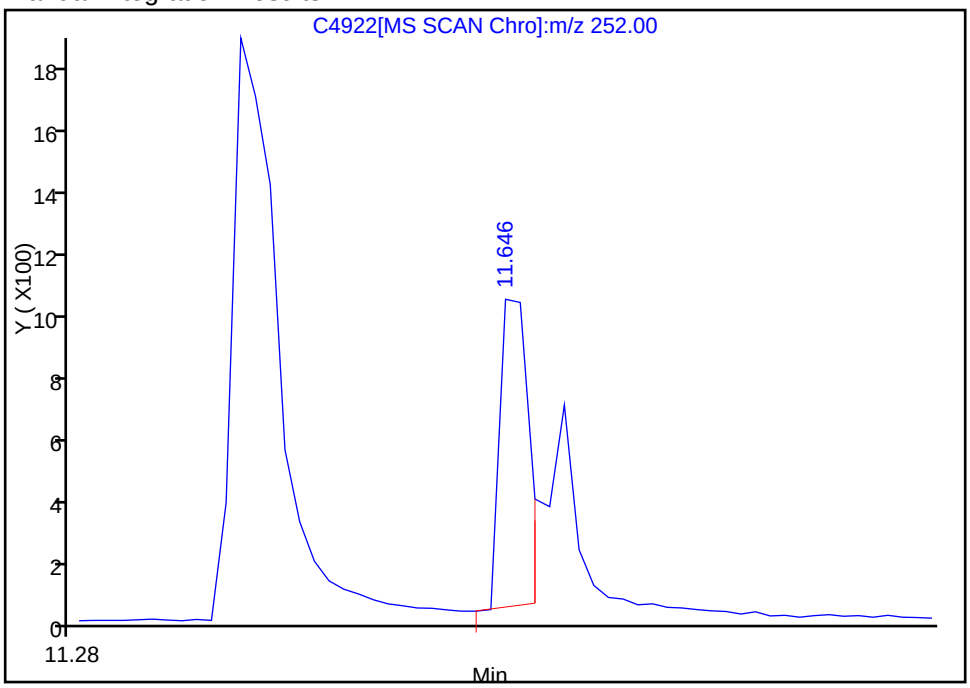
Processing Integration Results

RT: 11.42
Response: 5115
Amount: 1.000000



Manual Integration Results

RT: 11.65
Response: 1665
Amount: 0.597409



Reviewer: squiresb, 19-Aug-2011 11:07:47
Audit Action: Manually Integrated
Audit Reason: Assign Peak

TestAmerica Laboratories
Target Compound Quantitation Report

Data File:	\\valsvr08\ChromData\SMSB\20110819-5411.b\C4923.D		
Lims ID:	ic 002	Client ID:	
Inject. Date:	19-Aug-2011 11:05:30	Dil. Factor:	1.0000
Sample Type:	IC	Calib Level:	3
Sample ID:	SSTD 002		
Misc. Info.:	510-0005411-004 =510-0005411-004		
Operator:	wds	Instrument ID:	SMSB
Vol. Injected:	1.0000	ALS Bottle#:	4
Lims Batch ID:	85359	Lims Sample ID:	4
Sublist:	chrom-SIM-PNAB*sub12		
Detector:	MS SCAN		
Method:	\\valsvr08\ChromData\SMSB\20110819-5411.b\SIM-PNAB.m		
Last Update:	19-Aug-2011 13:54:32	Calib Date:	19-Aug-2011 12:50:30
Quant Method:	Internal Standard	Quant By:	Initial Calibration
Last ICal File:	\\valsvr08\ChromData\SMSB\20110819-5411.b\C4928.D		
Limit Group:	SMS - 1 - 8270 SIM Calibration		
Integrator:	RTE	ID Type:	RT Order ID
Process Host:	VAL-SMS-LAB1		

First Level Reviewer: squiresb Date: 19-Aug-2011 11:25:25

Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/ml	Ratio Range	Ratio	Flags
* 40 1,4-Dichlorobenzene-d4									
152	2.534	2.534	0.000	37	77269	40.0	70.0- 130.0	100.0	
115	2.534	2.534	0.000		42573		25.1- 85.1	55.1	
$ 49 Nitrobenzene-d5									
82	3.189	3.189	0.000	1	4095	2.01	70.0- 130.0	100.0	
128	3.189	3.189	0.000		2161		24.4- 84.4	52.8	
54	3.189	3.189	0.000		2062		18.1- 78.1	50.4	
* 57 Naphthalene-d8									
136	4.017	4.028	-0.011	1	149363	40.0	70.0- 130.0	100.0	
58 Naphthalene									
128	4.050	4.050	0.000	0	10329	2.09	70.0- 130.0	100.0	
129	4.050	4.050	0.000		1105		0.0- 41.1	10.7	
127	4.050	4.050	0.000		1249		0.0- 42.4	12.1	
62 2-Methylnaphthalene									
142	4.888	4.888	0.000	1	5775	1.98	70.0- 130.0	100.0	
141	4.888	4.888	0.000		4557		51.2- 111.2	78.9	
115	4.888	4.888	0.000		2286		9.6- 69.6	39.6	
$ 66 2-Fluorobiphenyl									
172	5.372	5.372	0.000	1	6223	2.11			
71 Acenaphthylene									
152	5.933	5.931	0.002	1	8371	2.23	70.0- 130.0	100.0	
151	5.933	5.931	0.002		1672		0.0- 49.5	20.0	
* 73 Acenaphthene-d10									
164	6.106	6.117	-0.011	1	61183	40.0	70.0- 130.0	100.0	
162	6.106	6.117	-0.011		55479		60.5- 120.5	90.7	

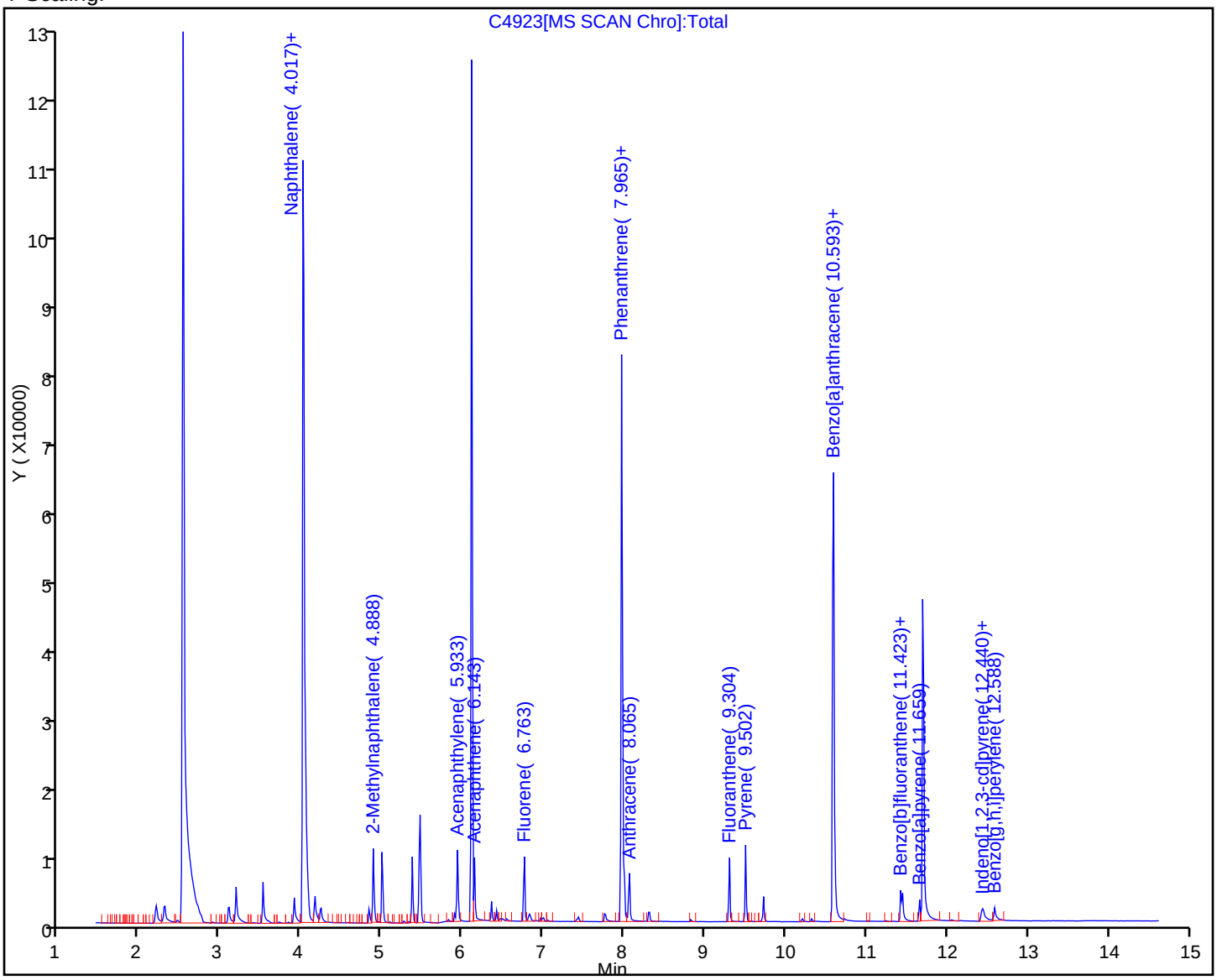
Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/ml	Ratio Range	Ratio	Flags
74 Acenaphthene									M
154	6.143	6.142	0.001	0	4564	2.18	70.0- 130.0	100.0	M
152	0.0	6.142	-6.142		0		25.6- 85.6		
153	0.0	6.142	-6.142		0		77.5- 137.5		
80 Fluorene									
166	6.763	6.762	0.001	5	4694	2.06	70.0- 130.0	100.0	
165	6.763	6.762	0.001		4261		58.7- 118.7	90.8	
* 90 Phenanthrene-d10									
188	7.965	7.976	-0.011	1	82215	40.0	70.0- 130.0	100.0	
91 Phenanthrene									
178	7.990	8.001	-0.011	1	6002	2.09	70.0- 130.0	100.0	
179	7.990	8.001	-0.011		970		0.0- 45.5	16.2	
92 Anthracene									
178	8.065	8.063	0.002	1	6087	2.09	70.0- 130.0	100.0	
179	8.065	8.063	0.002		900		0.0- 44.6	14.8	
95 Fluoranthene									
202	9.304	9.302	0.002	1	6122	2.17	70.0- 130.0	100.0	
101	9.292	9.302	-0.010		849		0.0- 43.7	13.9	
203	9.304	9.302	0.002		1034		0.0- 47.7	16.9	
97 Pyrene									
202	9.502	9.513	-0.011	20	6553	2.12	70.0- 130.0	100.0	
101	9.502	9.513	-0.011		1070		0.0- 47.5	16.3	
$ 98 Terphenyl-d14									
244	9.725	9.724	0.001	1	2539	2.09	70.0- 130.0	100.0	
101 Benzo[a]anthracene									
228	10.581	10.591	-0.010	1	5140	2.05	70.0- 130.0	100.0	
229	10.581	10.591	-0.010		995		0.0- 57.4	19.4	
226	10.581	10.591	-0.010		1356		0.0- 56.2	26.4	
* 103 Chrysene-d12									
240	10.593	10.591	0.002	1	62017	40.0	70.0- 130.0	100.0	
104 Chrysene									M
228	10.605	10.616	-0.011	1	6266	2.14	70.0- 130.0	100.0	M
226	10.581	10.616	-0.035		1356		0.0- 54.2	21.6	
229	10.581	10.616	-0.035		995		0.0- 42.1	15.9	
106 Benzo[b]fluoranthene									M
252	11.423	11.447	-0.024	1	4287	2.09	70.0- 130.0	100.0	M
253	11.448	11.447	0.001		1837		15.4- 75.4	42.9	
107 Benzo[k]fluoranthene									M
252	11.448	11.447	0.001	1	5755	2.03	70.0- 130.0	100.0	M
253	11.448	11.447	0.001		1837		1.9- 61.9	31.9	
108 Benzo[a]pyrene									
252	11.659	11.657	0.002	1	3096	1.66	70.0- 130.0	100.0	
253	11.659	11.657	0.002		664		0.0- 55.1	21.4	
* 109 Perylene-d12									
264	11.696	11.707	-0.011	1	53677	40.0	70.0- 130.0	100.0	
110 Indeno[1,2,3-cd]pyrene									
276	12.427	12.438	-0.011	1	2713	2.11	70.0- 130.0	100.0	
138	12.415	12.438	-0.023		949		5.1- 65.1	35.0	

Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/ml	Ratio Range	Ratio	Flags
111 Dibenz(a,h)anthracene									M
278	12.452	12.463	-0.011	0	2581	1.86	70.0- 130.0	100.0	M
139	0.0	12.463	-12.463		0		0.0- 48.5		
24 Benzo[g,h,i]perylene									M
276	12.588	12.599	-0.011	1	3194	1.88	70.0- 130.0	100.0	M
138	12.576	12.599	-0.023		716		0.0- 54.9	22.4	

QC Flag Legend

Review Flags
M - Manually Integrated

Report Date: 19-Aug-2011 13:54:33 Chrom Revision: 1.2 13-Jul-2011 10:43:06
Data File: \\valsvr08\ChromData\SMSB\20110819-5411.b\C4923.D
Injection Date: 19-Aug-2011 11:05:30 Limit Group: SMS - 1 - 8270 SIM Calibration
Client ID: Instrument ID: SMSB
Lims Batch ID: 85359 Lims Sample ID: 4
Operator ID: wds Injection Vol: 1.00 ul
Y Scaling:



Report Date: 19-Aug-2011 13:54:33 Chrom Revision: 1.2 13-Jul-2011 10:43:06

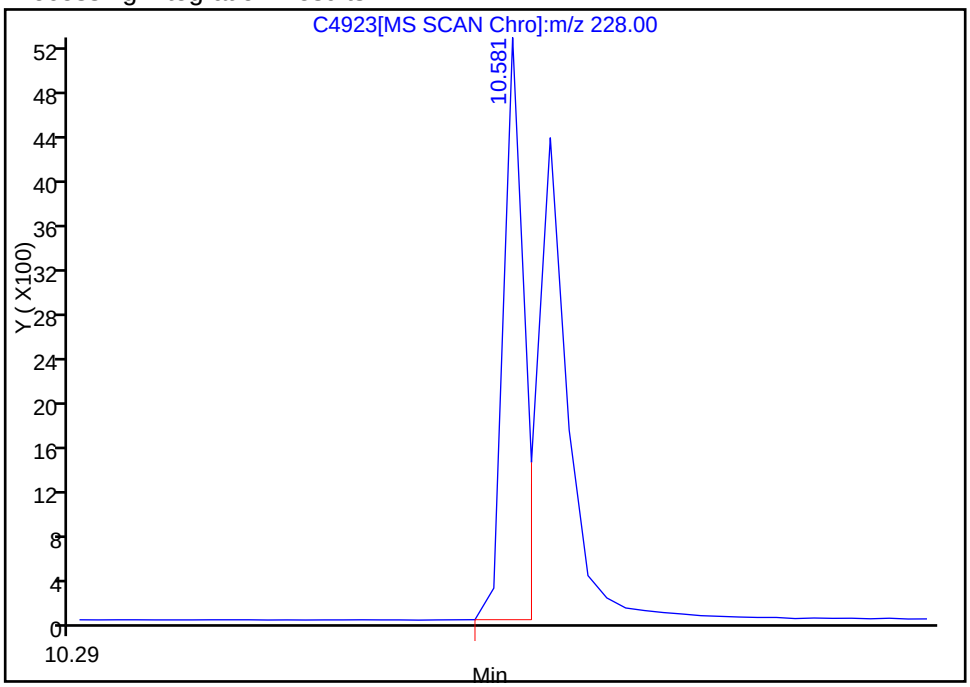
Manual Integration/User Assign Peak Report

Data File:	\\valsvr08\ChromData\SMSB\20110819-5411.b\C4923.D		
Injection Date:	19-Aug-2011 11:05:30	Limit Group:	SMS - 1 - 8270 SIM Calibration
Client ID:		Instrument ID:	SMSB
Lims Batch ID:	85359	Lims Sample ID:	4
Operator ID:	wds	Injection Vol:	1.00 ul

104 Chrysene, Signal: 1, m/z: 228.0 Type: quant, RT: 10.62

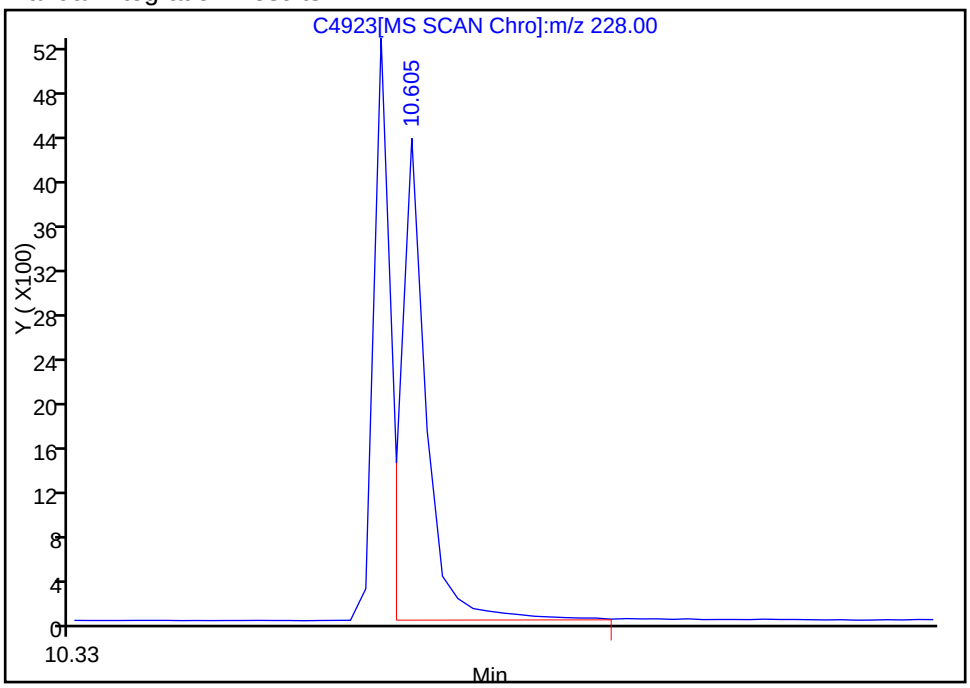
Processing Integration Results

RT: 10.58
Response: 5140
Amount: 1.972286



Manual Integration Results

RT: 10.61
Response: 6266
Amount: 2.139011



Reviewer: squiresb, 19-Aug-2011 11:25:25
Audit Action: Manually Integrated
Audit Reason: Assign Peak

Report Date: 19-Aug-2011 13:54:33 Chrom Revision: 1.2 13-Jul-2011 10:43:06

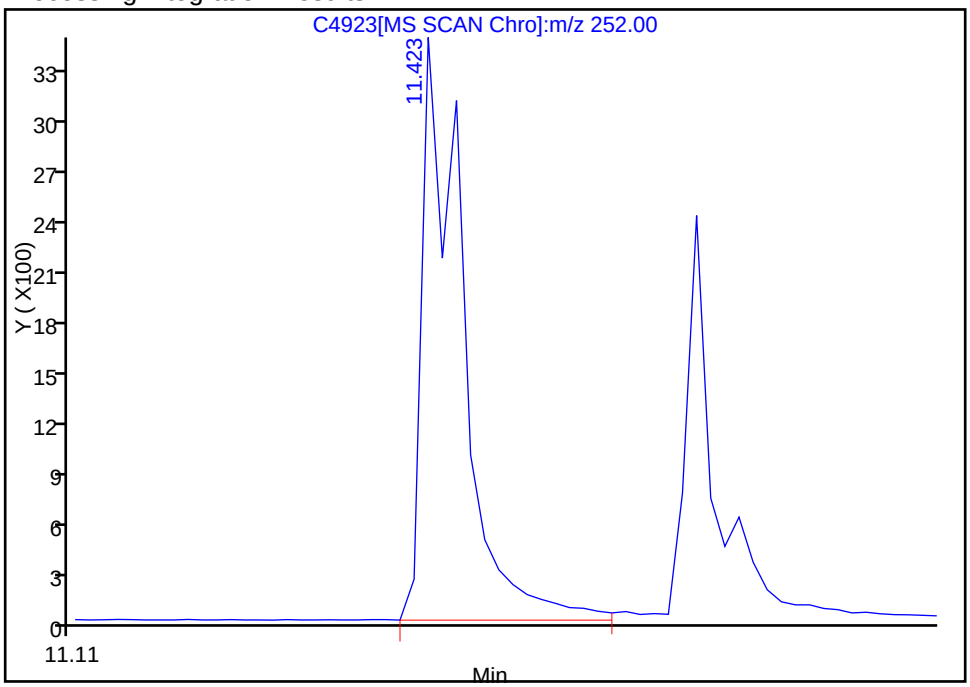
Manual Integration/User Assign Peak Report

Data File:	\\valsvr08\ChromData\SMSB\20110819-5411.b\C4923.D		
Injection Date:	19-Aug-2011 11:05:30	Limit Group:	SMS - 1 - 8270 SIM Calibration
Client ID:		Instrument ID:	SMSB
Lims Batch ID:	85359	Lims Sample ID:	4
Operator ID:	wds	Injection Vol:	1.00 ul

106 Benzo[b]fluoranthene, Signal: 1, m/z: 252.0 Type: quant, RT: 11.45

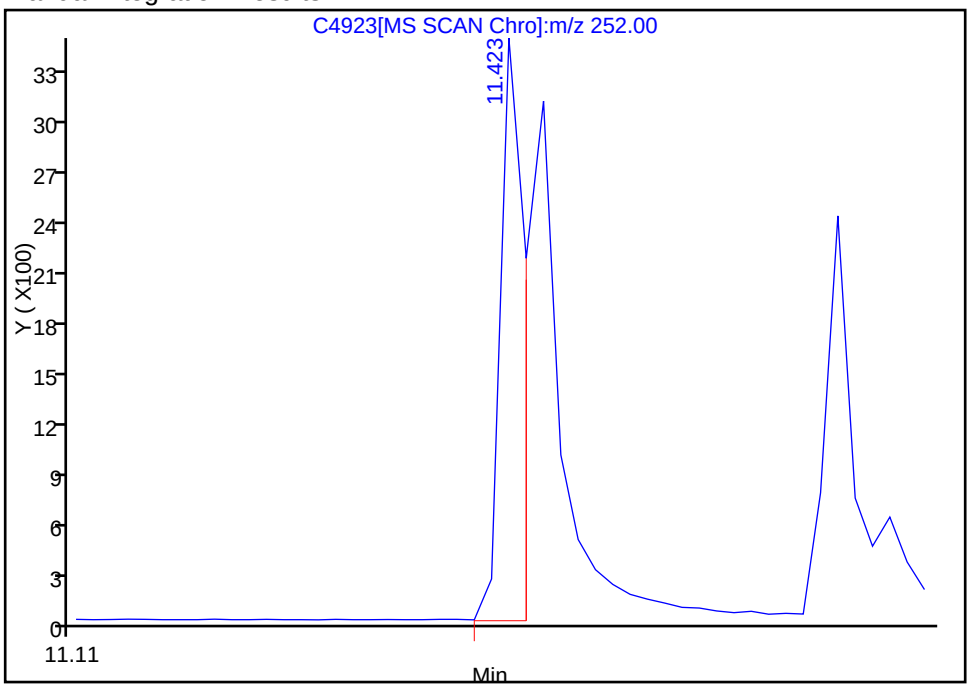
Processing Integration Results

RT: 11.42
Response: 8410
Amount: 2.000000



Manual Integration Results

RT: 11.42
Response: 4287
Amount: 2.094116



Reviewer: squiresb, 19-Aug-2011 11:25:25
Audit Action: Manually Integrated
Audit Reason: Assign Peak

Report Date: 19-Aug-2011 13:54:33 Chrom Revision: 1.2 13-Jul-2011 10:43:06

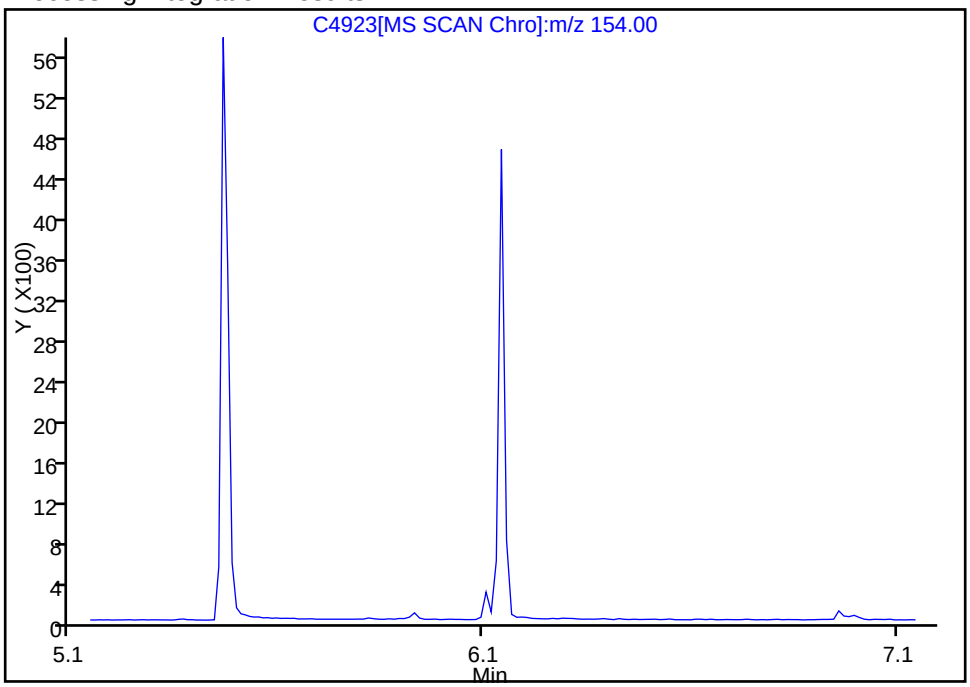
Manual Integration/User Assign Peak Report

Data File:	\\valsvr08\ChromData\SMSB\20110819-5411.b\C4923.D		
Injection Date:	19-Aug-2011 11:05:30	Limit Group:	SMS - 1 - 8270 SIM Calibration
Client ID:		Instrument ID:	SMSB
Lims Batch ID:	85359	Lims Sample ID:	4
Operator ID:	wds	Injection Vol:	1.00 ul

74 Acenaphthene, Signal: 1, m/z: 154.0 Type: quant, RT: 6.14

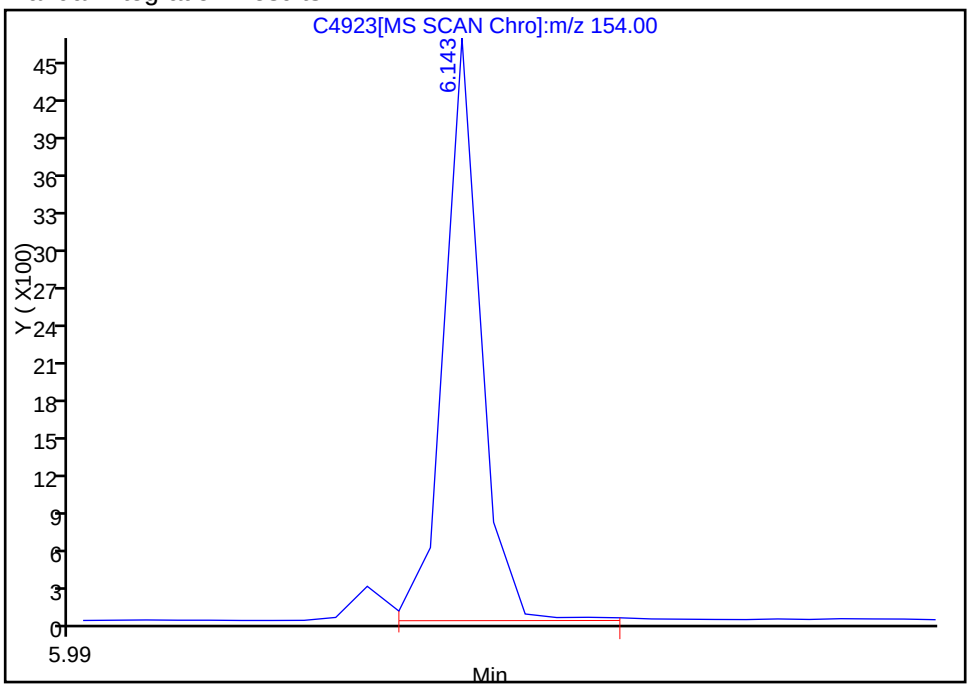
Not Detected
Expected RT: 6.14

Processing Integration Results



Manual Integration Results

RT: 6.14
Response: 4564
Amount: 2.181721



Reviewer: squiresb, 19-Aug-2011 11:25:25
Audit Action: Manually Integrated
Audit Reason: Assign Peak

Report Date: 19-Aug-2011 13:54:33 Chrom Revision: 1.2 13-Jul-2011 10:43:06

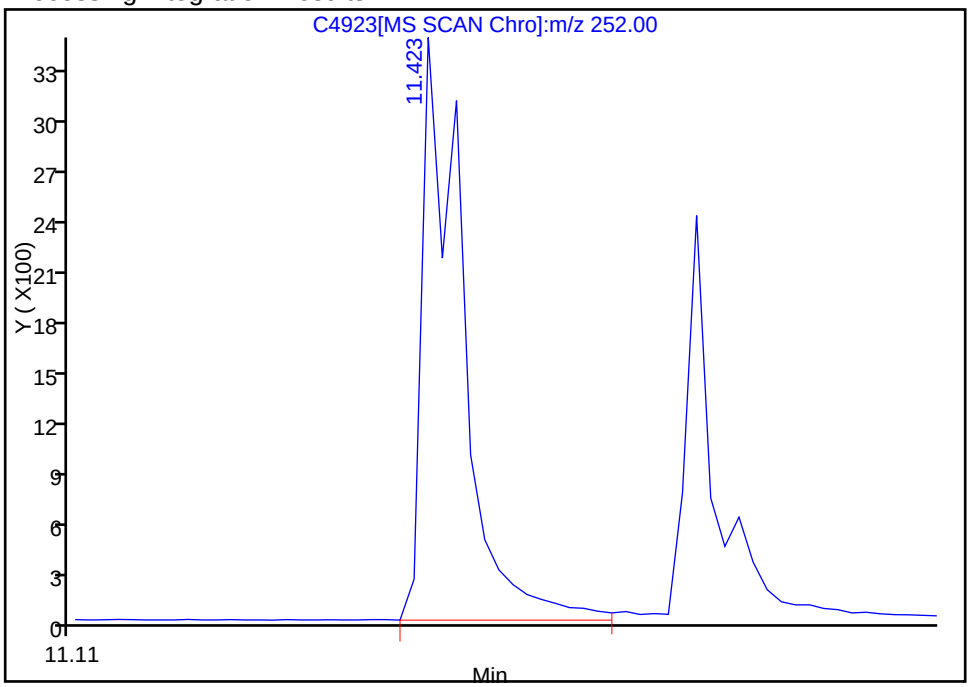
Manual Integration/User Assign Peak Report

Data File:	\\valsvr08\ChromData\SMSB\20110819-5411.b\C4923.D		
Injection Date:	19-Aug-2011 11:05:30	Limit Group:	SMS - 1 - 8270 SIM Calibration
Client ID:		Instrument ID:	SMSB
Lims Batch ID:	85359	Lims Sample ID:	4
Operator ID:	wds	Injection Vol:	1.00 ul

107 Benzo[k]fluoranthene, Signal: 1, m/z: 252.0 Type: quant, RT: 11.45

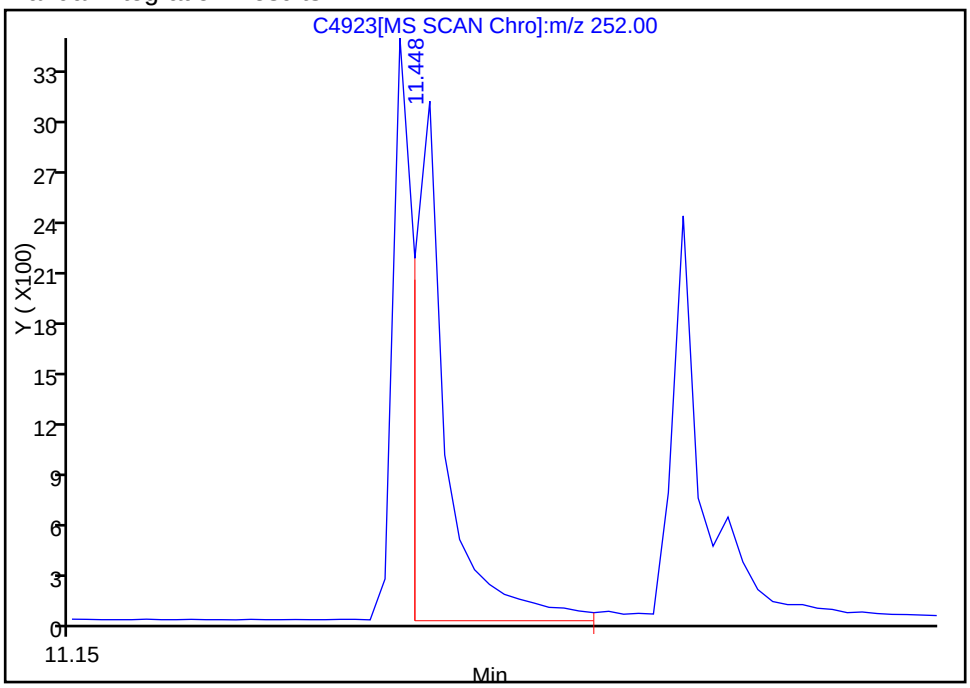
Processing Integration Results

RT: 11.42
Response: 8410
Amount: 2.000000



Manual Integration Results

RT: 11.45
Response: 5755
Amount: 2.032346



Reviewer: squiresb, 19-Aug-2011 11:25:25
Audit Action: Manually Integrated
Audit Reason: Assign Peak

Report Date: 19-Aug-2011 13:54:33 Chrom Revision: 1.2 13-Jul-2011 10:43:06

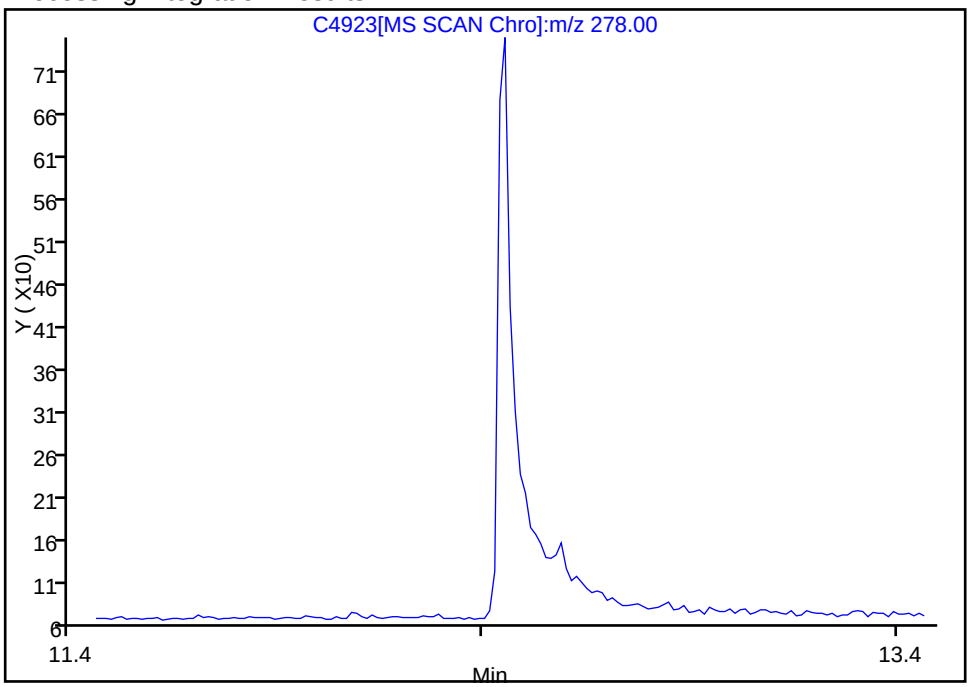
Manual Integration/User Assign Peak Report

Data File:	\\valsvr08\ChromData\SMSB\20110819-5411.b\C4923.D		
Injection Date:	19-Aug-2011 11:05:30	Limit Group:	SMS - 1 - 8270 SIM Calibration
Client ID:		Instrument ID:	SMSB
Lims Batch ID:	85359	Lims Sample ID:	4
Operator ID:	wds	Injection Vol:	1.00 ul

111 Dibenz(a,h)anthracene, Signal: 1, m/z: 278.0 Type: quant, RT: 12.46

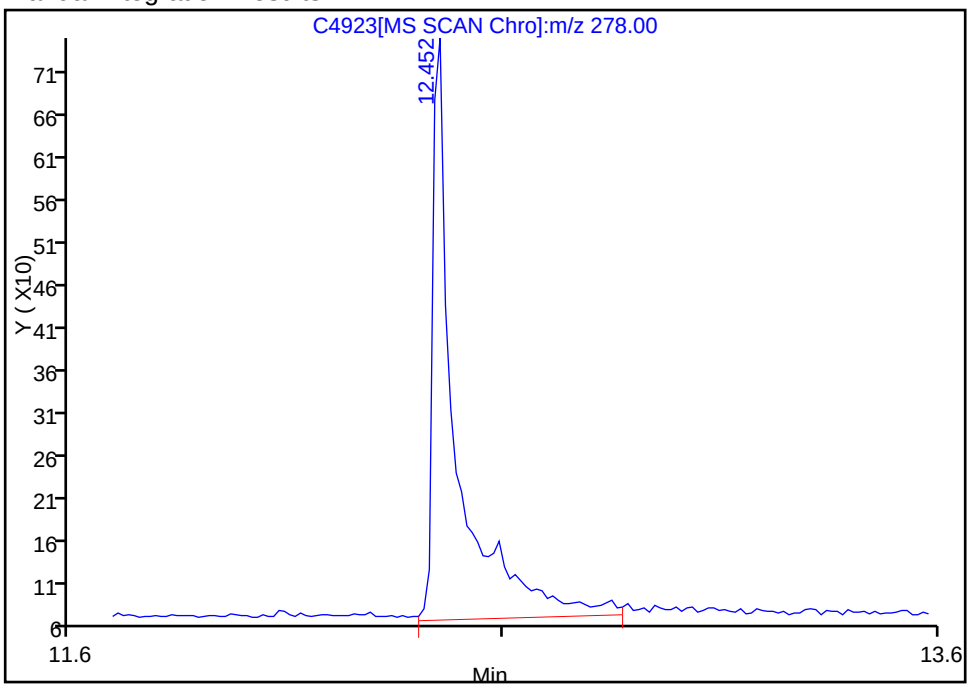
Processing Integration Results

Not Detected
Expected RT: 12.46



Manual Integration Results

RT: 12.45
Response: 2581
Amount: 1.862135



Reviewer: squiresb, 19-Aug-2011 11:25:25
Audit Action: Manually Integrated
Audit Reason: Assign Peak

Report Date: 19-Aug-2011 13:54:33 Chrom Revision: 1.2 13-Jul-2011 10:43:06

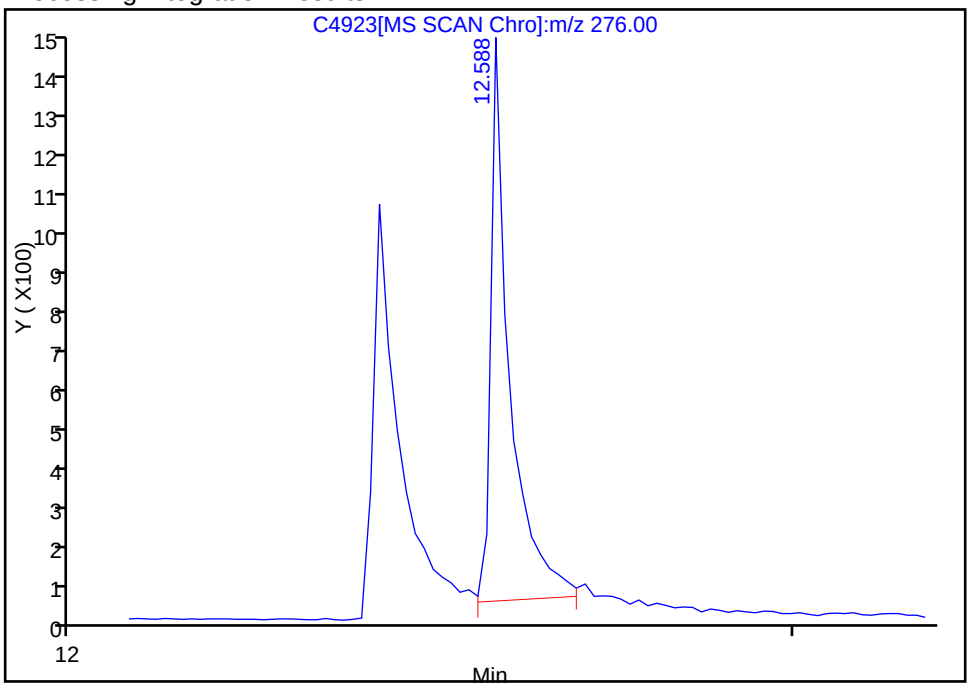
Manual Integration/User Assign Peak Report

Data File:	\\valsvr08\ChromData\SMSB\20110819-5411.b\C4923.D		
Injection Date:	19-Aug-2011 11:05:30	Limit Group:	SMS - 1 - 8270 SIM Calibration
Client ID:		Instrument ID:	SMSB
Lims Batch ID:	85359	Lims Sample ID:	4
Operator ID:	wds	Injection Vol:	1.00 ul

24 Benzo[g,h,i]perylene, Signal: 1, m/z: 276.0 Type: quant, RT: 12.60

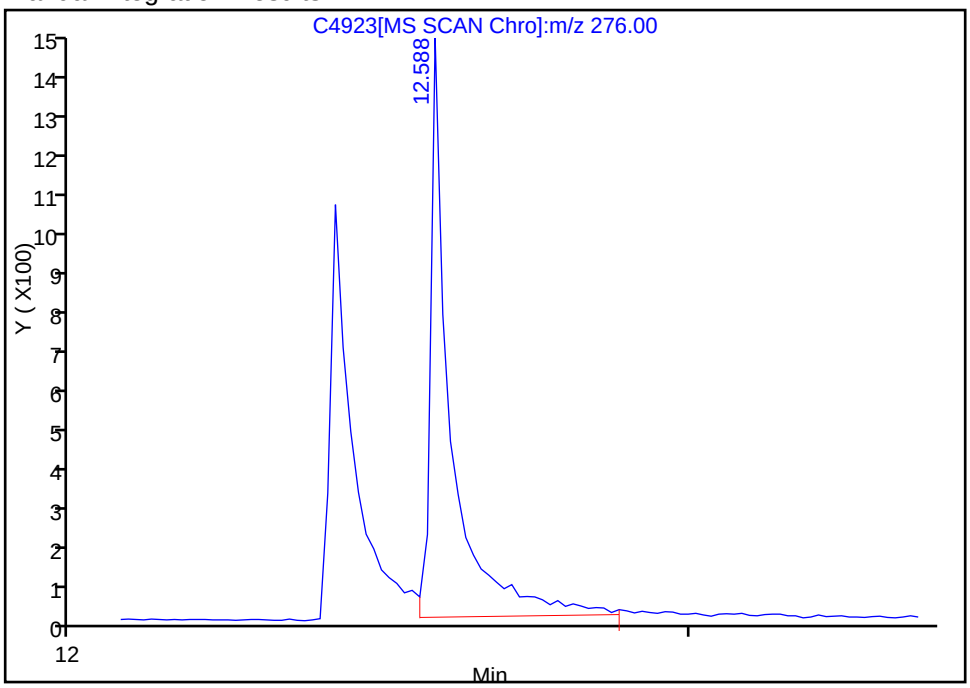
Processing Integration Results

RT: 12.59
Response: 2484
Amount: 1.662007



Manual Integration Results

RT: 12.59
Response: 3194
Amount: 1.878231



Reviewer: squiresb, 19-Aug-2011 11:25:25
Audit Action: Manually Integrated
Audit Reason: Assign Peak

TestAmerica Laboratories
Target Compound Quantitation Report

Data File:	\\valsvr08\ChromData\SMSB\20110819-5411.b\C4924.D		
Lims ID:	ic 005	Client ID:	
Inject. Date:	19-Aug-2011 11:26:30	Dil. Factor:	1.0000
Sample Type:	IC	Calib Level:	4
Sample ID:	SSTD 005		
Misc. Info.:	510-0005411-005 =510-0005411-005		
Operator:	wds	Instrument ID:	SMSB
Vol. Injected:	1.0000	ALS Bottle#:	5
Lims Batch ID:	85359	Lims Sample ID:	5
Sublist:	chrom-SIM-PNAB*sub12		
Detector:	MS SCAN		
Method:	\\valsvr08\ChromData\SMSB\20110819-5411.b\SIM-PNAB.m		
Last Update:	19-Aug-2011 13:54:35	Calib Date:	19-Aug-2011 12:50:30
Quant Method:	Internal Standard	Quant By:	Initial Calibration
Last ICal File:	\\valsvr08\ChromData\SMSB\20110819-5411.b\C4928.D		
Limit Group:	SMS - 1 - 8270 SIM Calibration		
Integrator:	RTE	ID Type:	RT Order ID
Process Host:	VAL-SMS-LAB1		

First Level Reviewer: squiresb Date: 19-Aug-2011 12:08:22

Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/ml	Ratio Range	Ratio	Flags
* 40 1,4-Dichlorobenzene-d4									
152	2.533	2.533	0.000	1	106823	40.0	70.0- 130.0	100.0	
115	2.533	2.533	0.000		58613		24.9- 84.9	54.9	
$ 49 Nitrobenzene-d5									
82	3.189	3.189	0.000	1	15746	5.15	70.0- 130.0	100.0	
128	3.189	3.189	0.000		8483		23.9- 83.9	53.9	
54	3.189	3.189	0.000		7605		18.3- 78.3	48.3	
* 57 Naphthalene-d8									
136	4.027	4.027	0.000	1	223903	40.0	70.0- 130.0	100.0	
58 Naphthalene									
128	4.049	4.049	0.000	0	37665	5.09	70.0- 130.0	100.0	
129	4.049	4.049	0.000		4023		0.0- 40.7	10.7	
127	4.049	4.049	0.000		4679		0.0- 42.4	12.4	
62 2-Methylnaphthalene									
142	4.887	4.887	0.000	1	22968	5.26	70.0- 130.0	100.0	
141	4.887	4.887	0.000		18599		51.0- 111.0	81.0	
115	4.887	4.887	0.000		8881		8.7- 68.7	38.7	
$ 66 2-Fluorobiphenyl									
172	5.371	5.371	0.000	1	26052	5.40			
71 Acenaphthylene									
152	5.931	5.931	0.000	1	33312	5.43	70.0- 130.0	100.0	
151	5.931	5.931	0.000		6339		0.0- 49.0	19.0	
* 73 Acenaphthene-d10									
164	6.105	6.105	0.000	1	99929	40.0	70.0- 130.0	100.0	
162	6.105	6.105	0.000		90146		60.2- 120.2	90.2	

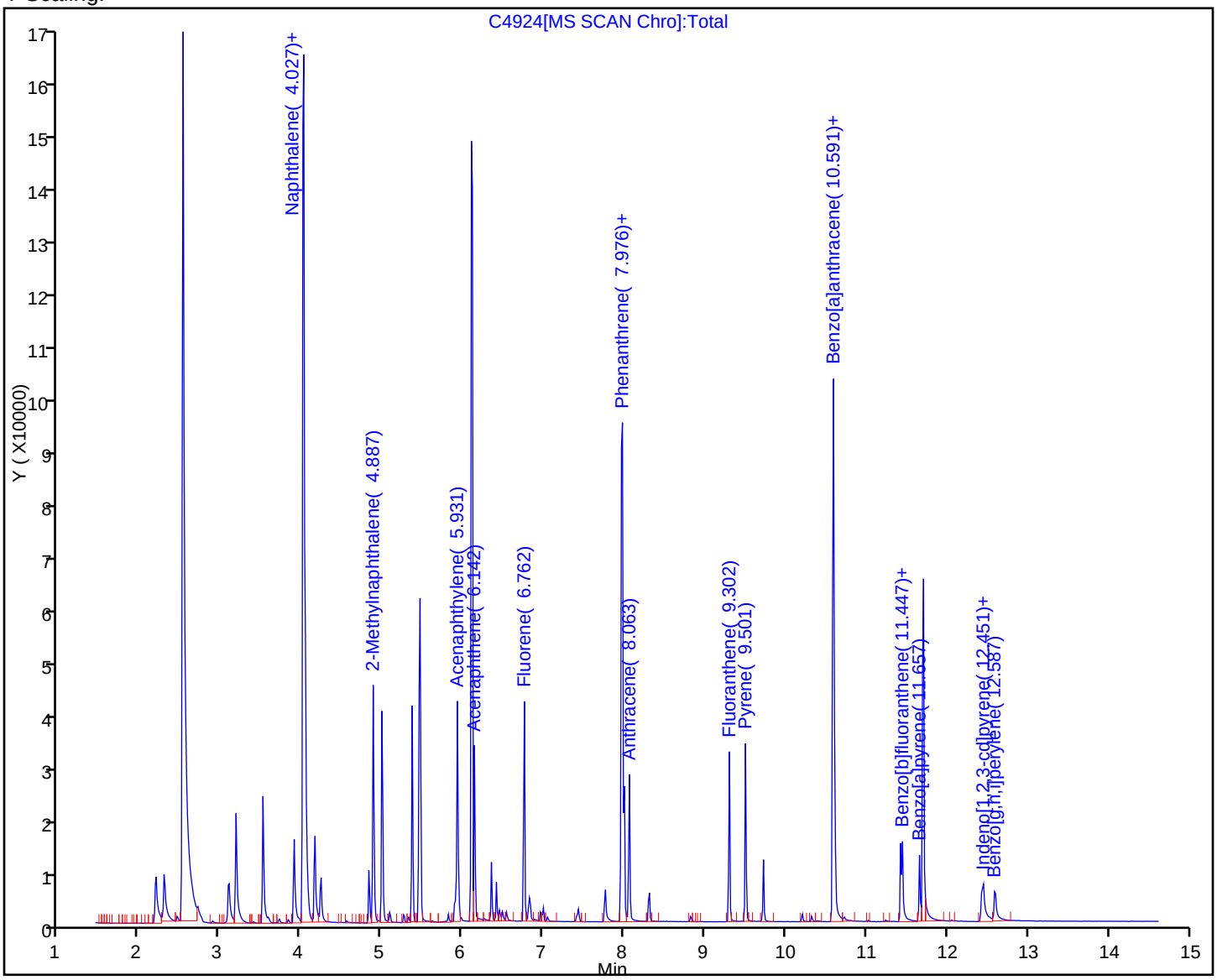
Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/ml	Ratio Range	Ratio	Flags
74 Acenaphthene									M
154	6.142	6.142	0.000	0	17862	5.23	70.0- 130.0	100.0	M
152	0.0	6.142	-6.142		0		25.6- 85.6		
153	0.0	6.142	-6.142		0		77.5- 137.5		
80 Fluorene									
166	6.762	6.762	0.000	6	19508	5.24	70.0- 130.0	100.0	
165	6.762	6.762	0.000		17426		59.3- 119.3	89.3	
* 90 Phenanthrene-d10									
188	7.976	7.976	0.000	1	124460	40.0	70.0- 130.0	100.0	
91 Phenanthrene									
178	8.001	8.001	0.000	1	21903	5.03	70.0- 130.0	100.0	
179	8.001	8.001	0.000		3378		0.0- 45.4	15.4	
92 Anthracene									
178	8.063	8.063	0.000	1	21896	4.96	70.0- 130.0	100.0	
179	8.063	8.063	0.000		3312		0.0- 45.1	15.1	
95 Fluoranthene									
202	9.302	9.302	0.000	2	20061	4.70	70.0- 130.0	100.0	
101	9.290	9.302	-0.012		2801		0.0- 44.0	14.0	
203	9.302	9.302	0.000		3438		0.0- 47.1	17.1	
97 Pyrene									
202	9.501	9.501	0.000	20	20295	5.16	70.0- 130.0	100.0	
101	9.501	9.501	0.000		3494		0.0- 47.2	17.2	
$ 98 Terphenyl-d14									
244	9.724	9.724	0.000	1	7998	5.18	70.0- 130.0	100.0	
122	9.711	9.724	-0.013		1544		0.0- 49.3	19.3	
101 Benzo[a]anthracene									
228	10.579	10.579	0.000	1	14275	4.48	70.0- 130.0	100.0	
229	10.579	10.579	0.000		2818		0.0- 49.7	19.7	
226	10.579	10.579	0.000		3741		0.0- 56.2	26.2	
* 103 Chrysene-d12									
240	10.591	10.591	0.000	1	78784	40.0	70.0- 130.0	100.0	
104 Chrysene									M
228	10.604	10.604	0.000	1	19393	5.21	70.0- 130.0	100.0	M
226	10.579	10.604	-0.025		3741		0.0- 49.3	19.3	
229	10.579	10.604	-0.025		2818		0.0- 44.5	14.5	
106 Benzo[b]fluoranthene									M
252	11.422	11.422	0.000	1	13583	4.78	70.0- 130.0	100.0	M
253	11.447	11.422	0.025		5873		13.2- 73.2	43.2	
107 Benzo[k]fluoranthene									M
252	11.447	11.447	0.000	1	18694	4.76	70.0- 130.0	100.0	M
253	11.447	11.447	0.000		5873		1.4- 61.4	31.4	
108 Benzo[a]pyrene									M
252	11.657	11.657	0.000	1	11086	4.29	70.0- 130.0	100.0	M
253	11.657	11.657	0.000		2443		0.0- 52.0	22.0	

Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/ml	Ratio Range	Ratio	Flags
* 109 Perylene-d12									M
264	11.707	11.707	0.000	1	74511	40.0	70.0- 130.0	100.0	M
110 Indeno[1,2,3-cd]pyrene									
276	12.426	12.426	0.000	1	9940	4.46	70.0- 130.0	100.0	
138	12.438	12.426	0.012		3522		5.4- 65.4	35.4	
111 Dibenz(a,h)anthracene									M
278	12.451	12.451	0.000	1	9270	4.50	70.0- 130.0	100.0	M
139	12.438	12.451	-0.013		1746		0.0- 48.8	18.8	
24 Benzo[g,h,i]perylene									M
276	12.599	12.599	0.000	1	11418	4.84	70.0- 130.0	100.0	M
138	12.587	12.599	-0.012		2578		0.0- 52.6	22.6	

QC Flag Legend

Review Flags
M - Manually Integrated

Report Date: 19-Aug-2011 13:54:35 Chrom Revision: 1.2 13-Jul-2011 10:43:06
Data File: \\valsvr08\ChromData\SMSB\20110819-5411.b\C4924.D
Injection Date: 19-Aug-2011 11:26:30 Limit Group: SMS - 1 - 8270 SIM Calibration
Client ID: Instrument ID: SMSB
Lims Batch ID: 85359 Lims Sample ID: 5
Operator ID: wds Injection Vol: 1.00 ul
Y Scaling:



Report Date: 19-Aug-2011 13:54:35 Chrom Revision: 1.2 13-Jul-2011 10:43:06

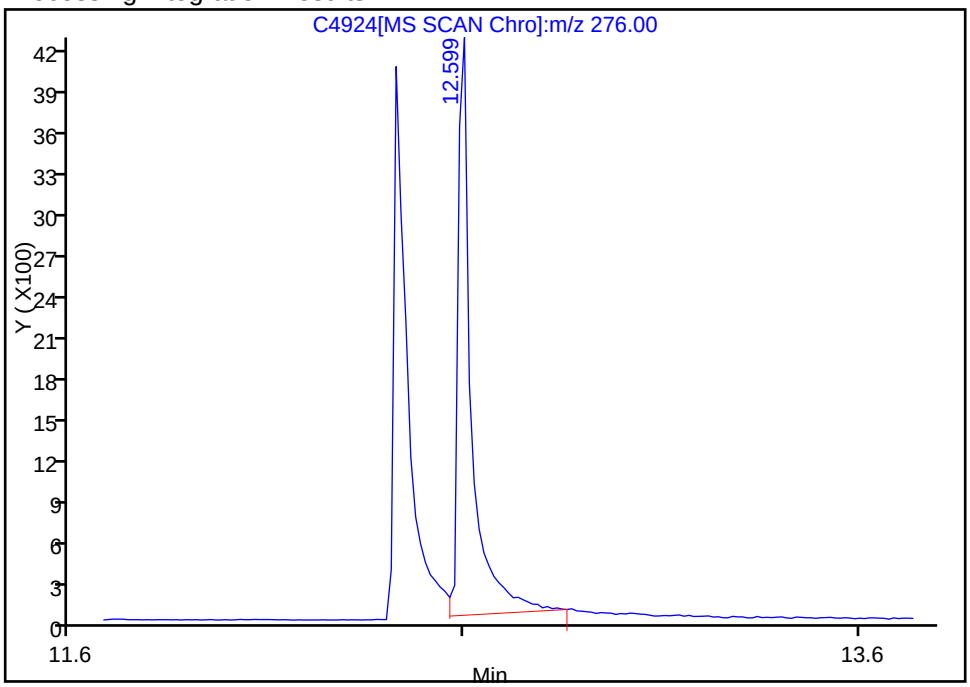
Manual Integration/User Assign Peak Report

Data File:	\\valsvr08\ChromData\SMSB\20110819-5411.b\C4924.D		
Injection Date:	19-Aug-2011 11:26:30	Limit Group:	SMS - 1 - 8270 SIM Calibration
Client ID:		Instrument ID:	SMSB
Lims Batch ID:	85359	Lims Sample ID:	5
Operator ID:	wds	Injection Vol:	1.00 ul

24 Benzo[g,h,i]perylene, Signal: 1, m/z: 276.0 Type: quant, RT: 12.60

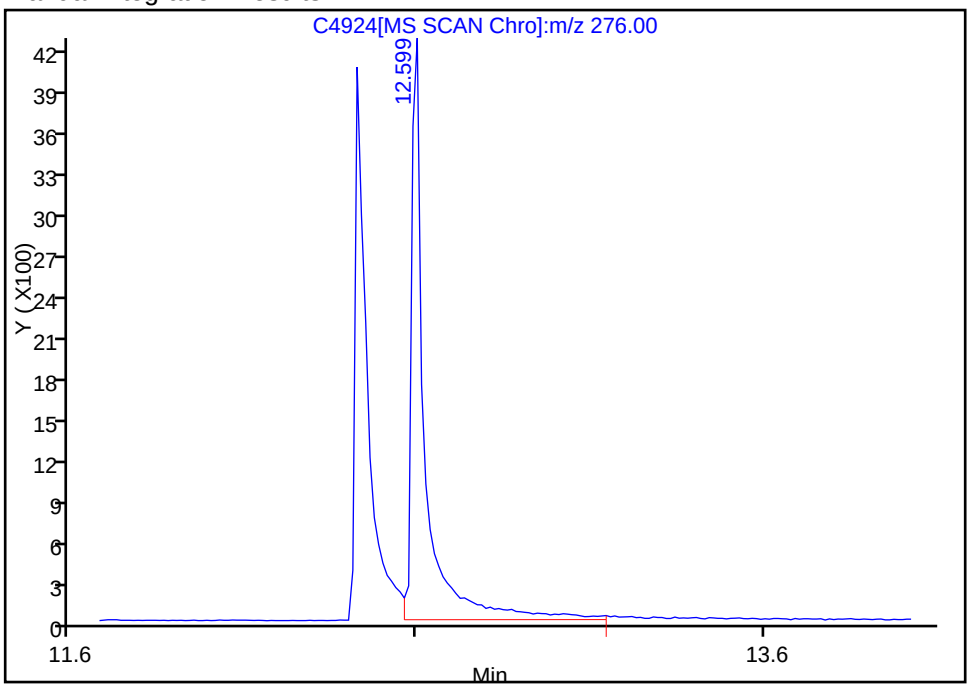
Processing Integration Results

RT: 12.60
Response: 9912
Amount: 4.477639



Manual Integration Results

RT: 12.60
Response: 11418
Amount: 4.836955



Reviewer: squiresb, 19-Aug-2011 12:08:22
Audit Action: Manually Integrated
Audit Reason: Assign Peak

Report Date: 19-Aug-2011 13:54:35 Chrom Revision: 1.2 13-Jul-2011 10:43:06

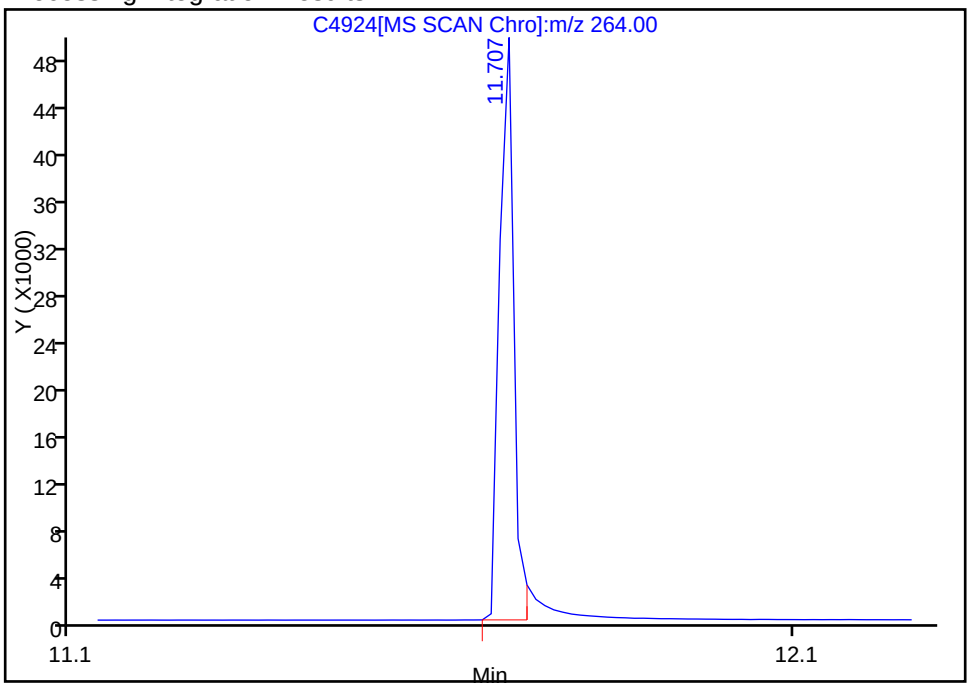
Manual Integration/User Assign Peak Report

Data File:	\\valsvr08\ChromData\SMSB\20110819-5411.b\C4924.D		
Injection Date:	19-Aug-2011 11:26:30	Limit Group:	SMS - 1 - 8270 SIM Calibration
Client ID:		Instrument ID:	SMSB
Lims Batch ID:	85359	Lims Sample ID:	5
Operator ID:	wds	Injection Vol:	1.00 ul

* 109 Perylene-d12, Signal: 1, m/z: 264.0 Type: quant, RT: 11.71

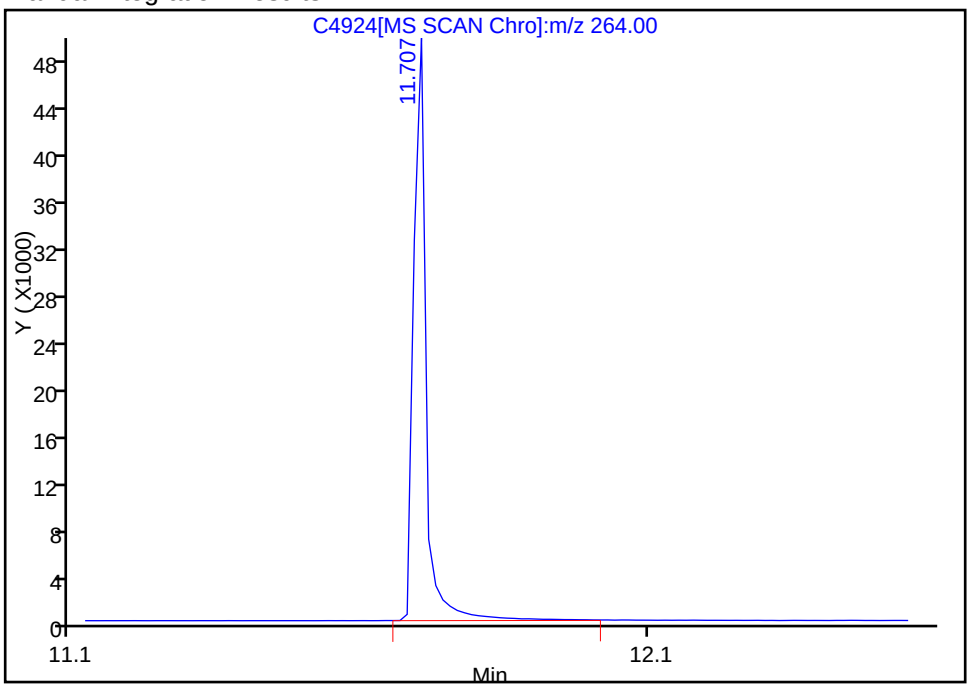
Processing Integration Results

RT: 11.71
Response: 68694
Amount: 40.000000



Manual Integration Results

RT: 11.71
Response: 74511
Amount: 40.000000



Reviewer: squiresb, 19-Aug-2011 12:08:22
Audit Action: Manually Integrated
Audit Reason: Assign Peak

Report Date: 19-Aug-2011 13:54:35 Chrom Revision: 1.2 13-Jul-2011 10:43:06

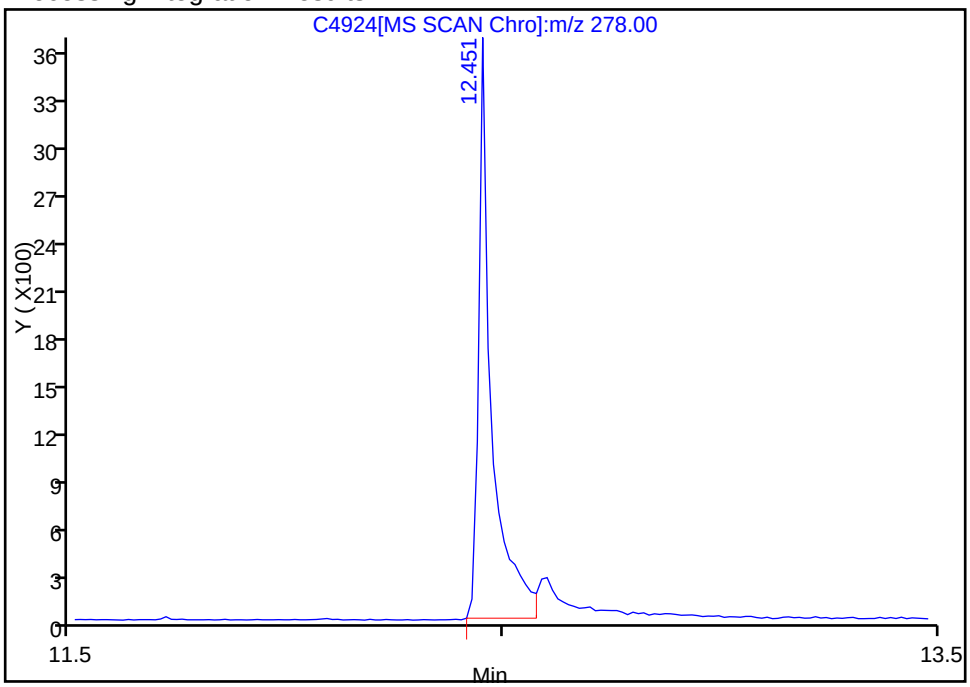
Manual Integration/User Assign Peak Report

Data File:	\\valsvr08\ChromData\SMSB\20110819-5411.b\C4924.D		
Injection Date:	19-Aug-2011 11:26:30	Limit Group:	SMS - 1 - 8270 SIM Calibration
Client ID:		Instrument ID:	SMSB
Lims Batch ID:	85359	Lims Sample ID:	5
Operator ID:	wds	Injection Vol:	1.00 ul

111 Dibenz(a,h)anthracene, Signal: 1, m/z: 278.0 Type: quant, RT: 12.45

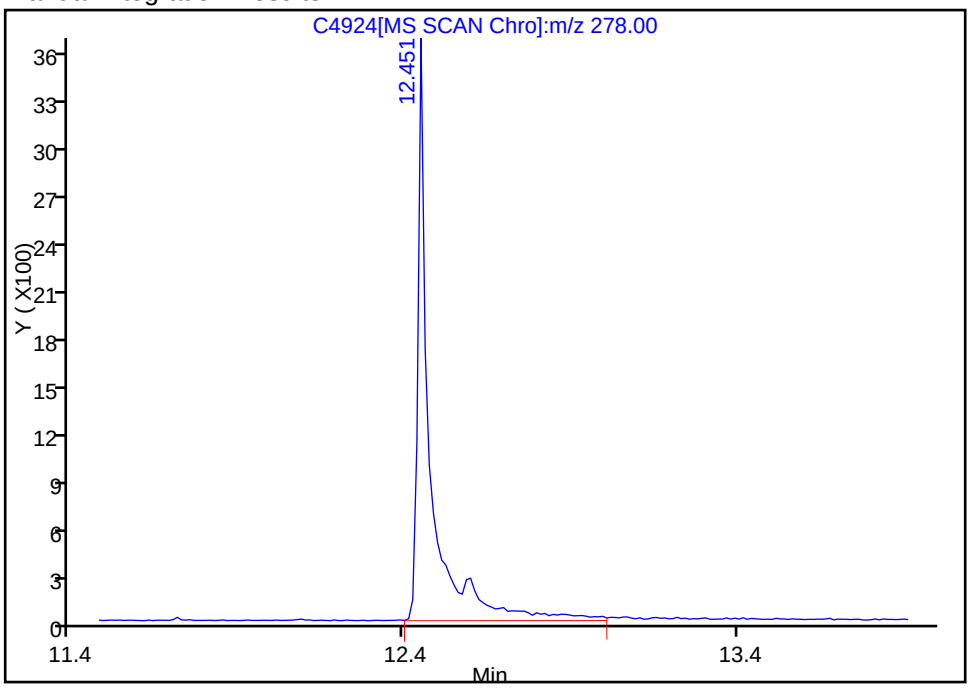
Processing Integration Results

RT: 12.45
Response: 7435
Amount: 4.647492



Manual Integration Results

RT: 12.45
Response: 9270
Amount: 4.499842



Reviewer: squiresb, 19-Aug-2011 12:08:22
Audit Action: Manually Integrated
Audit Reason: Assign Peak

Report Date: 19-Aug-2011 13:54:35 Chrom Revision: 1.2 13-Jul-2011 10:43:06

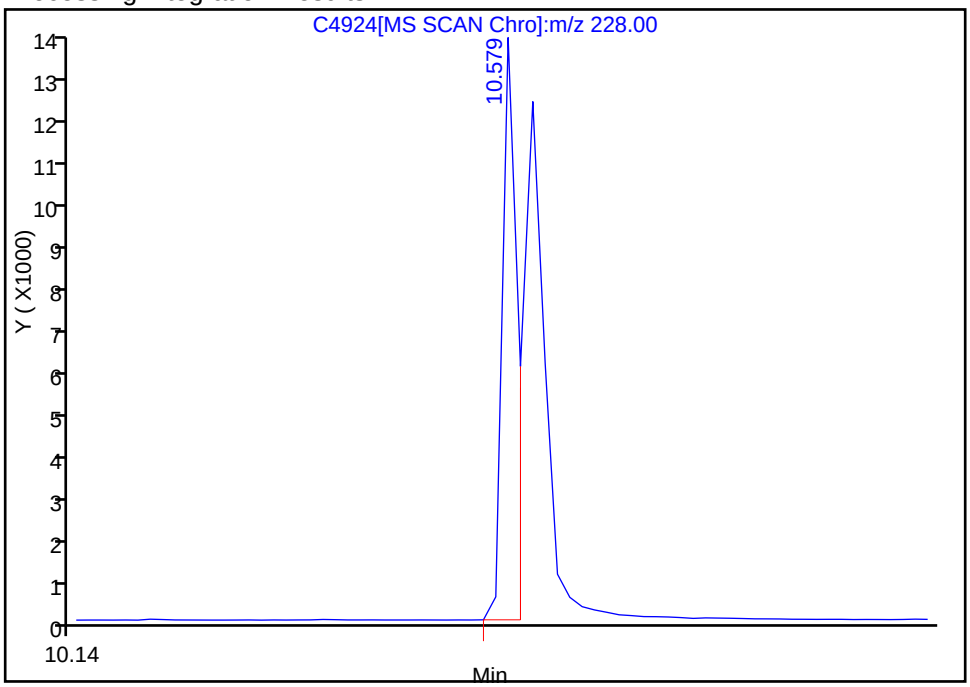
Manual Integration/User Assign Peak Report

Data File:	\\valsvr08\ChromData\SMSB\20110819-5411.b\C4924.D		
Injection Date:	19-Aug-2011 11:26:30	Limit Group:	SMS - 1 - 8270 SIM Calibration
Client ID:		Instrument ID:	SMSB
Lims Batch ID:	85359	Lims Sample ID:	5
Operator ID:	wds	Injection Vol:	1.00 ul

104 Chrysene, Signal: 1, m/z: 228.0 Type: quant, RT: 10.60

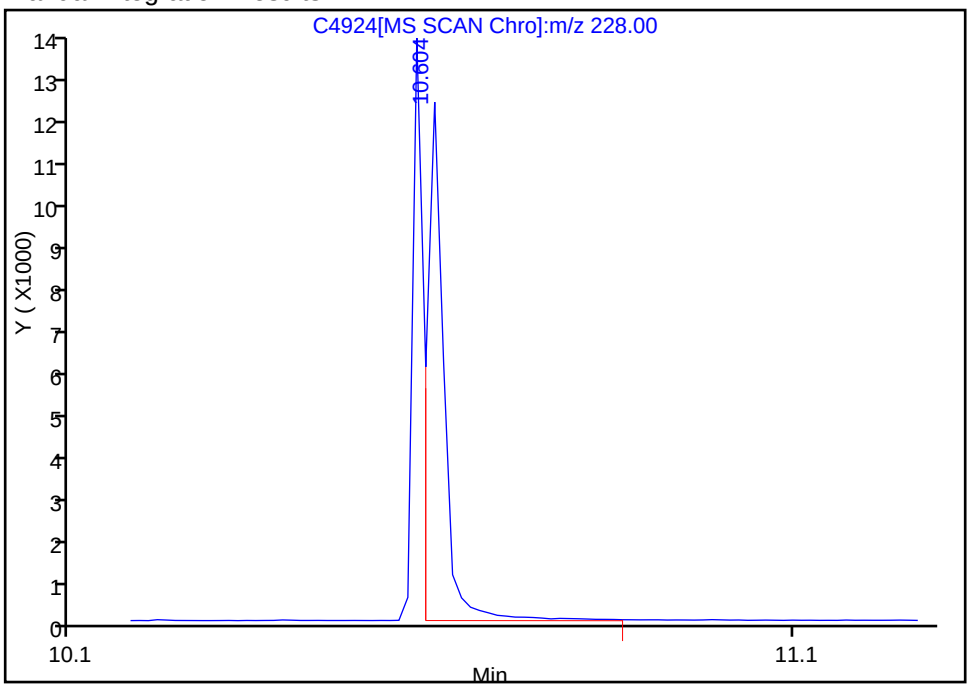
Processing Integration Results

RT: 10.58
Response: 14275
Amount: 4.108414



Manual Integration Results

RT: 10.60
Response: 19393
Amount: 5.211231



Reviewer: squiresb, 19-Aug-2011 12:08:22
Audit Action: Manually Integrated
Audit Reason: Assign Peak

Report Date: 19-Aug-2011 13:54:35 Chrom Revision: 1.2 13-Jul-2011 10:43:06

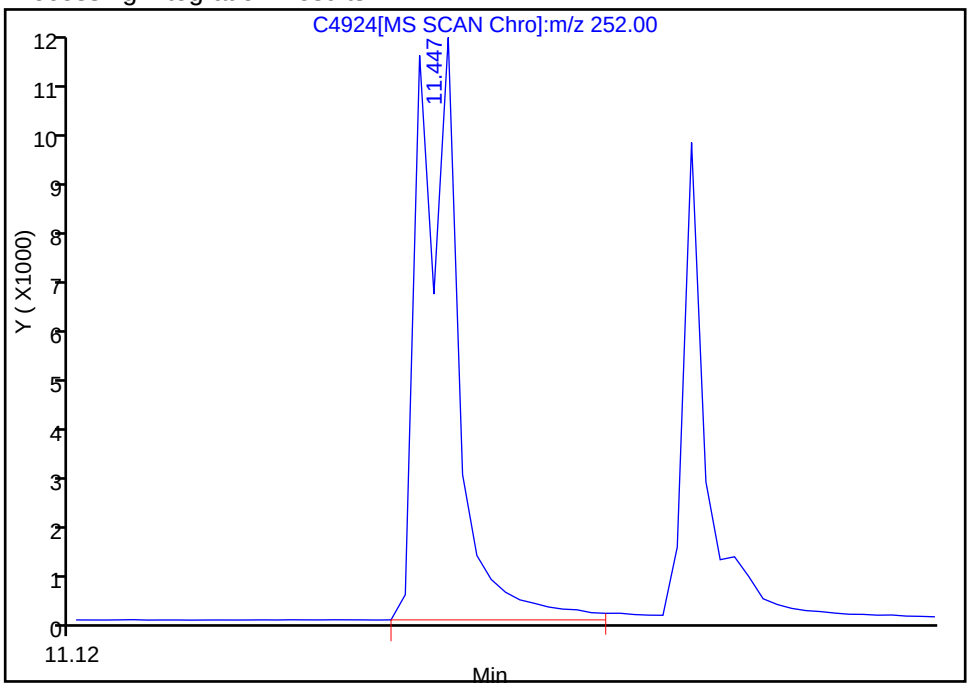
Manual Integration/User Assign Peak Report

Data File:	\\valsvr08\ChromData\SMSB\20110819-5411.b\C4924.D		
Injection Date:	19-Aug-2011 11:26:30	Limit Group:	SMS - 1 - 8270 SIM Calibration
Client ID:		Instrument ID:	SMSB
Lims Batch ID:	85359	Lims Sample ID:	5
Operator ID:	wds	Injection Vol:	1.00 ul

106 Benzo[b]fluoranthene, Signal: 1, m/z: 252.0 Type: quant, RT: 11.42

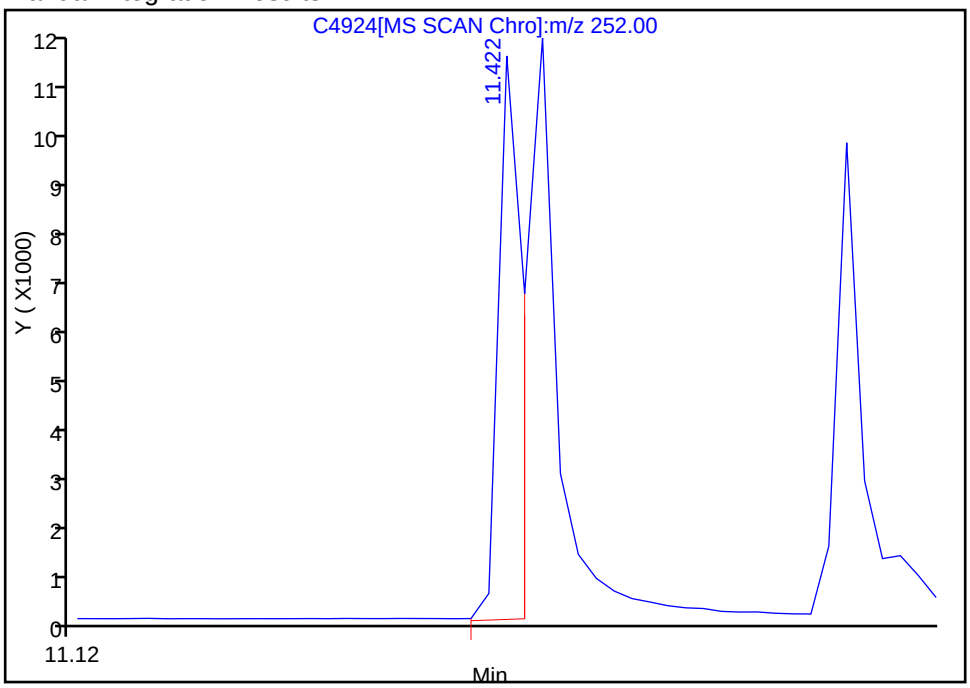
Processing Integration Results

RT: 11.45
Response: 27465
Amount: 4.919214



Manual Integration Results

RT: 11.42
Response: 13583
Amount: 4.779811



Reviewer: squiresb, 19-Aug-2011 12:08:22
Audit Action: Manually Integrated
Audit Reason: Assign Peak

Report Date: 19-Aug-2011 13:54:35 Chrom Revision: 1.2 13-Jul-2011 10:43:06

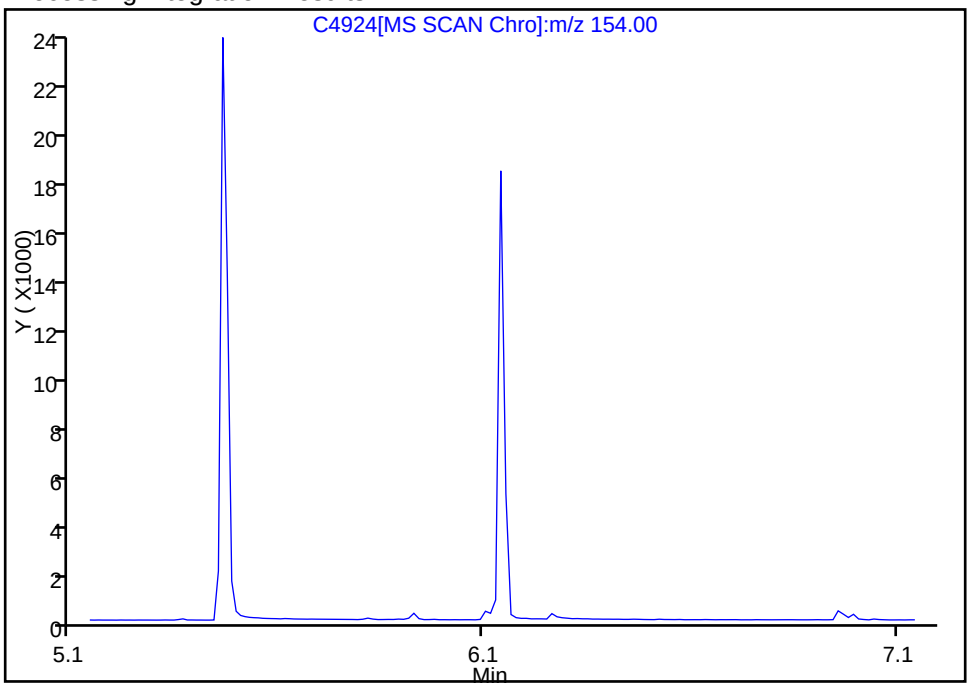
Manual Integration/User Assign Peak Report

Data File:	\\valsvr08\ChromData\SMSB\20110819-5411.b\C4924.D		
Injection Date:	19-Aug-2011 11:26:30	Limit Group:	SMS - 1 - 8270 SIM Calibration
Client ID:		Instrument ID:	SMSB
Lims Batch ID:	85359	Lims Sample ID:	5
Operator ID:	wds	Injection Vol:	1.00 ul

74 Acenaphthene, Signal: 1, m/z: 154.0 Type: quant, RT: 6.14

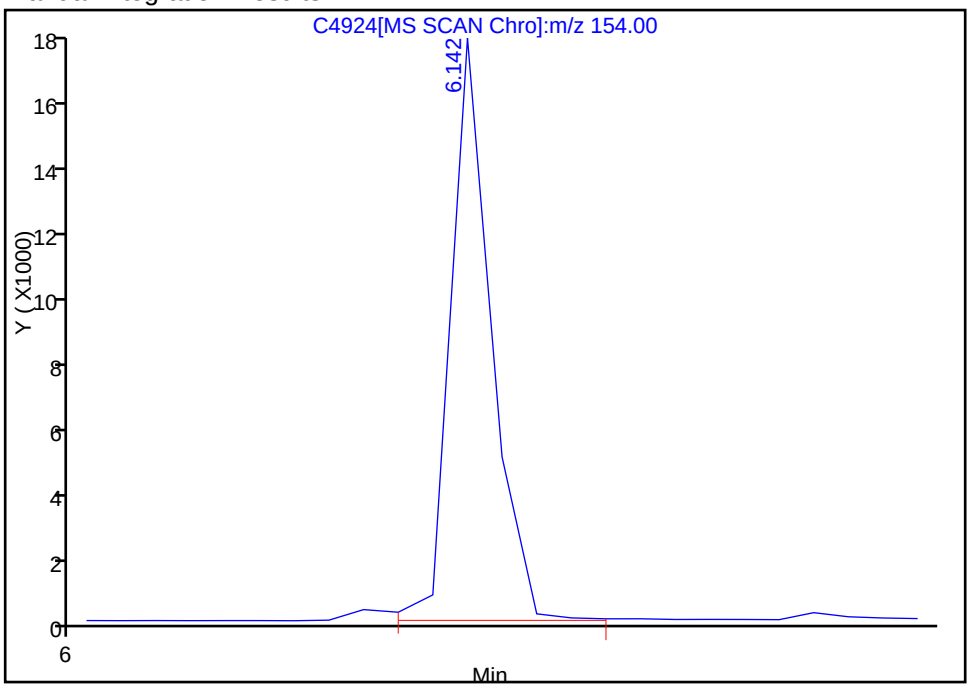
Not Detected
Expected RT: 6.14

Processing Integration Results



Manual Integration Results

RT: 6.14
Response: 17862
Amount: 5.227846



Reviewer: squiresb, 19-Aug-2011 12:08:22
Audit Action: Manually Integrated
Audit Reason: Assign Peak

Report Date: 19-Aug-2011 13:54:35 Chrom Revision: 1.2 13-Jul-2011 10:43:06

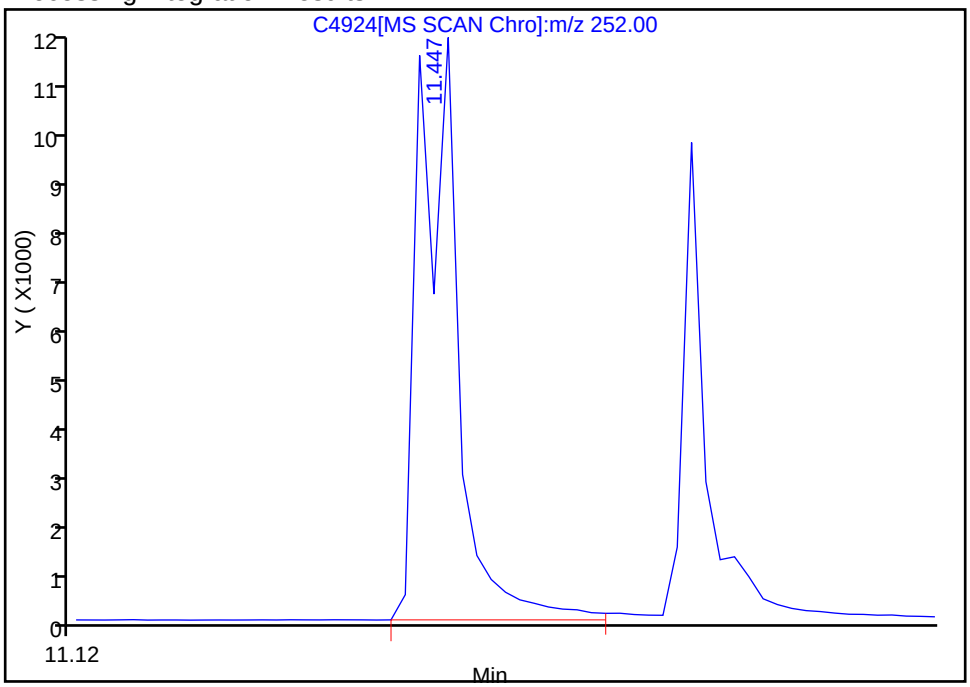
Manual Integration/User Assign Peak Report

Data File:	\\valsvr08\ChromData\SMSB\20110819-5411.b\C4924.D		
Injection Date:	19-Aug-2011 11:26:30	Limit Group:	SMS - 1 - 8270 SIM Calibration
Client ID:		Instrument ID:	SMSB
Lims Batch ID:	85359	Lims Sample ID:	5
Operator ID:	wds	Injection Vol:	1.00 ul

107 Benzo[k]fluoranthene, Signal: 1, m/z: 252.0 Type: quant, RT: 11.45

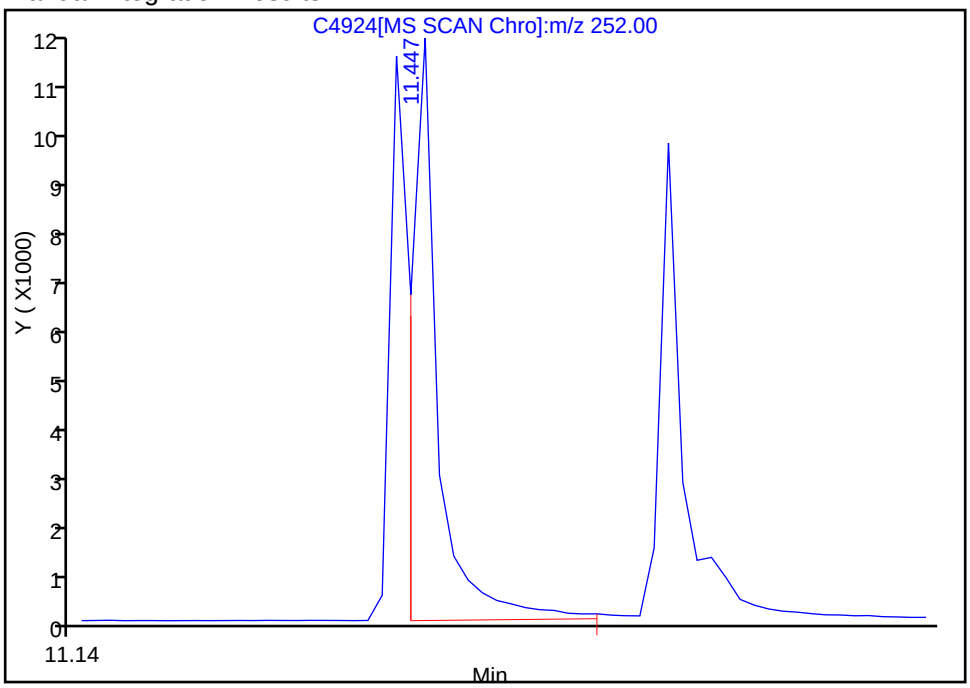
Processing Integration Results

RT: 11.45
Response: 27465
Amount: 4.836790



Manual Integration Results

RT: 11.45
Response: 18694
Amount: 4.755787



Reviewer: squiresb, 19-Aug-2011 12:08:22
Audit Action: Manually Integrated
Audit Reason: Assign Peak

Report Date: 19-Aug-2011 13:54:35 Chrom Revision: 1.2 13-Jul-2011 10:43:06

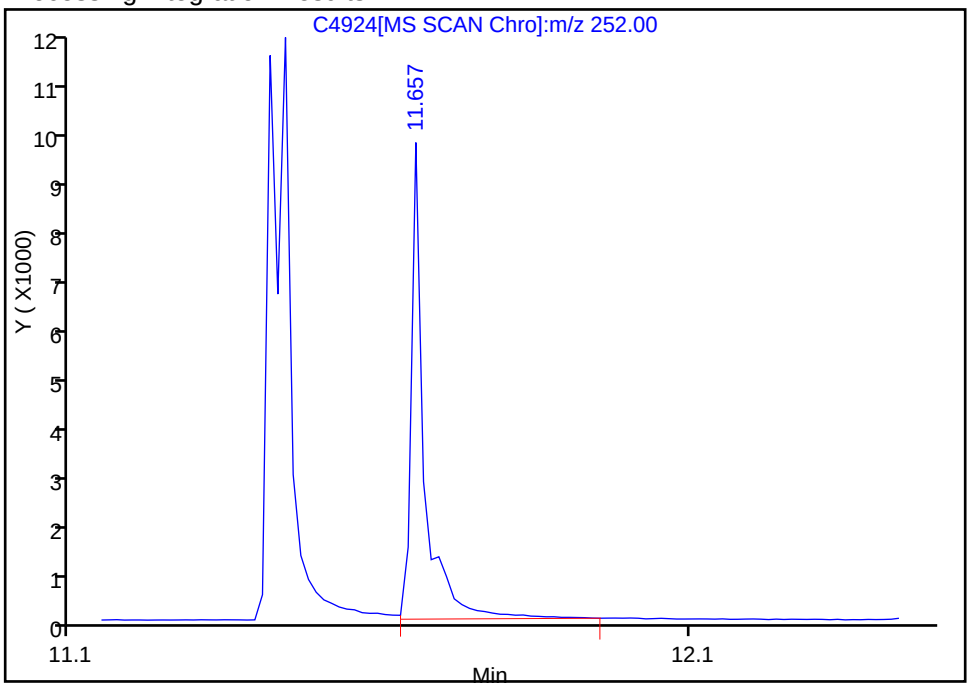
Manual Integration/User Assign Peak Report

Data File:	\\valsvr08\ChromData\SMSB\20110819-5411.b\C4924.D		
Injection Date:	19-Aug-2011 11:26:30	Limit Group:	SMS - 1 - 8270 SIM Calibration
Client ID:		Instrument ID:	SMSB
Lims Batch ID:	85359	Lims Sample ID:	5
Operator ID:	wds	Injection Vol:	1.00 ul

108 Benzo[a]pyrene, Signal: 1, m/z: 252.0 Type: quant, RT: 11.66

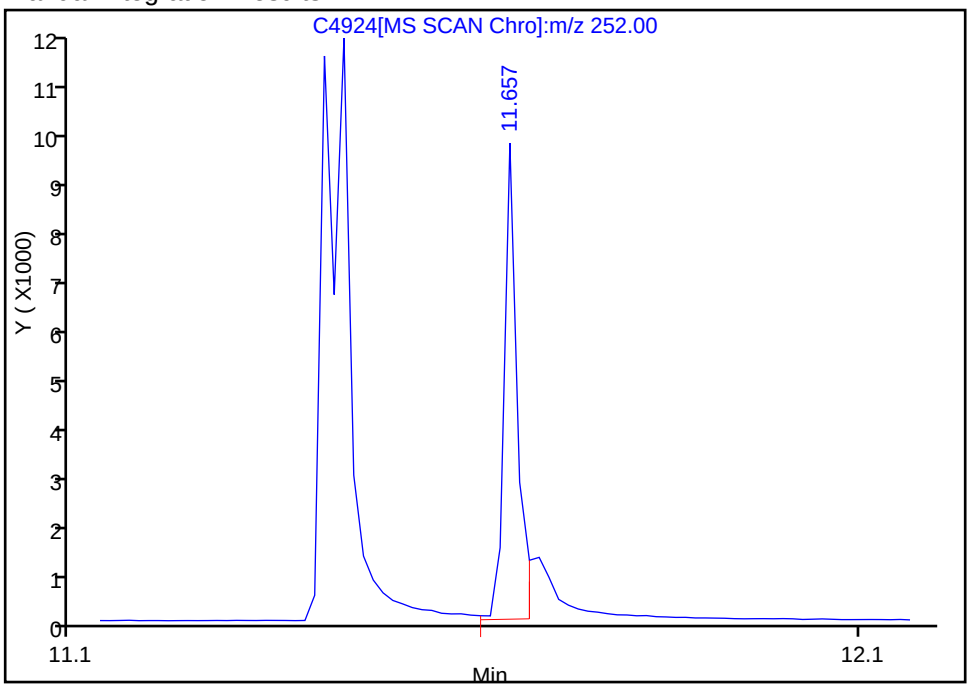
Processing Integration Results

RT: 11.66
Response: 13996
Amount: 4.996334



Manual Integration Results

RT: 11.66
Response: 11086
Amount: 4.293739



Reviewer: squiresb, 19-Aug-2011 12:08:22
Audit Action: Manually Integrated
Audit Reason: Assign Peak

TestAmerica Laboratories
Target Compound Quantitation Report

Data File: \\valsvr08\ChromData\SMSB\20110819-5411.b\C4925.D
Lims ID: ic 010 Client ID:
Inject. Date: 19-Aug-2011 11:47:30 Dil. Factor: 1.0000
Sample Type: IC Calib Level: 5
Sample ID: SSTD 010
Misc. Info.: 510-0005411-006 =510-0005411-006
Operator: wds Instrument ID: SMSB
Vol. Injected: 1.0000 ALS Bottle#: 6
Lims Batch ID: 85359 Lims Sample ID: 6
Sublist: chrom-SIM-PNAB*sub12
Detector: MS SCAN

Method: \\valsvr08\ChromData\SMSB\20110819-5411.b\SIM-PNAB.m
Last Update: 19-Aug-2011 13:54:38 Calib Date: 19-Aug-2011 12:50:30
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\valsvr08\ChromData\SMSB\20110819-5411.b\C4928.D
Limit Group: SMS - 1 - 8270 SIM Calibration
Integrator: RTE ID Type: RT Order ID
Process Host: VAL-SMS-LAB1

First Level Reviewer: squiresb Date: 19-Aug-2011 12:09:29

Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/ml	Ratio Range	Ratio	Flags
* 40 1,4-Dichlorobenzene-d4									
152	2.533	2.538	-0.005	1	102616	40.0	70.0- 130.0	100.0	
115	2.533	2.538	-0.005		56502		25.1- 85.1	55.1	
$ 49 Nitrobenzene-d5									
82	3.189	3.193	-0.005	1	28130	10.4	70.0- 130.0	100.0	
128	3.189	3.193	-0.005		15311		24.4- 84.4	54.4	
54	3.189	3.193	-0.005		13541		18.1- 78.1	48.1	
* 57 Naphthalene-d8									
136	4.027	4.021	0.006	1	197324	40.0	70.0- 130.0	100.0	
58 Naphthalene									
128	4.049	4.043	0.006	0	66541	10.2	70.0- 130.0	100.0	
129	4.049	4.043	0.006		7355		0.0- 41.1	11.1	
127	4.049	4.043	0.006		8269		0.0- 42.4	12.4	
62 2-Methylnaphthalene									
142	4.887	4.892	-0.005	1	38694	10.1	70.0- 130.0	100.0	
141	4.887	4.892	-0.005		31426		51.2- 111.2	81.2	
115	4.887	4.892	-0.005		15309		9.6- 69.6	39.6	
$ 66 2-Fluorobiphenyl									
172	5.371	5.376	-0.005	1	43358	10.7			
71 Acenaphthylene									
152	5.932	5.932	0.000	1	55489	10.8	70.0- 130.0	100.0	
151	5.932	5.932	0.000		10818		0.0- 49.5	19.5	
* 73 Acenaphthene-d10									
164	6.117	6.106	0.011	1	83820	40.0	70.0- 130.0	100.0	
162	6.105	6.106	-0.001		75838		60.5- 120.5	90.5	

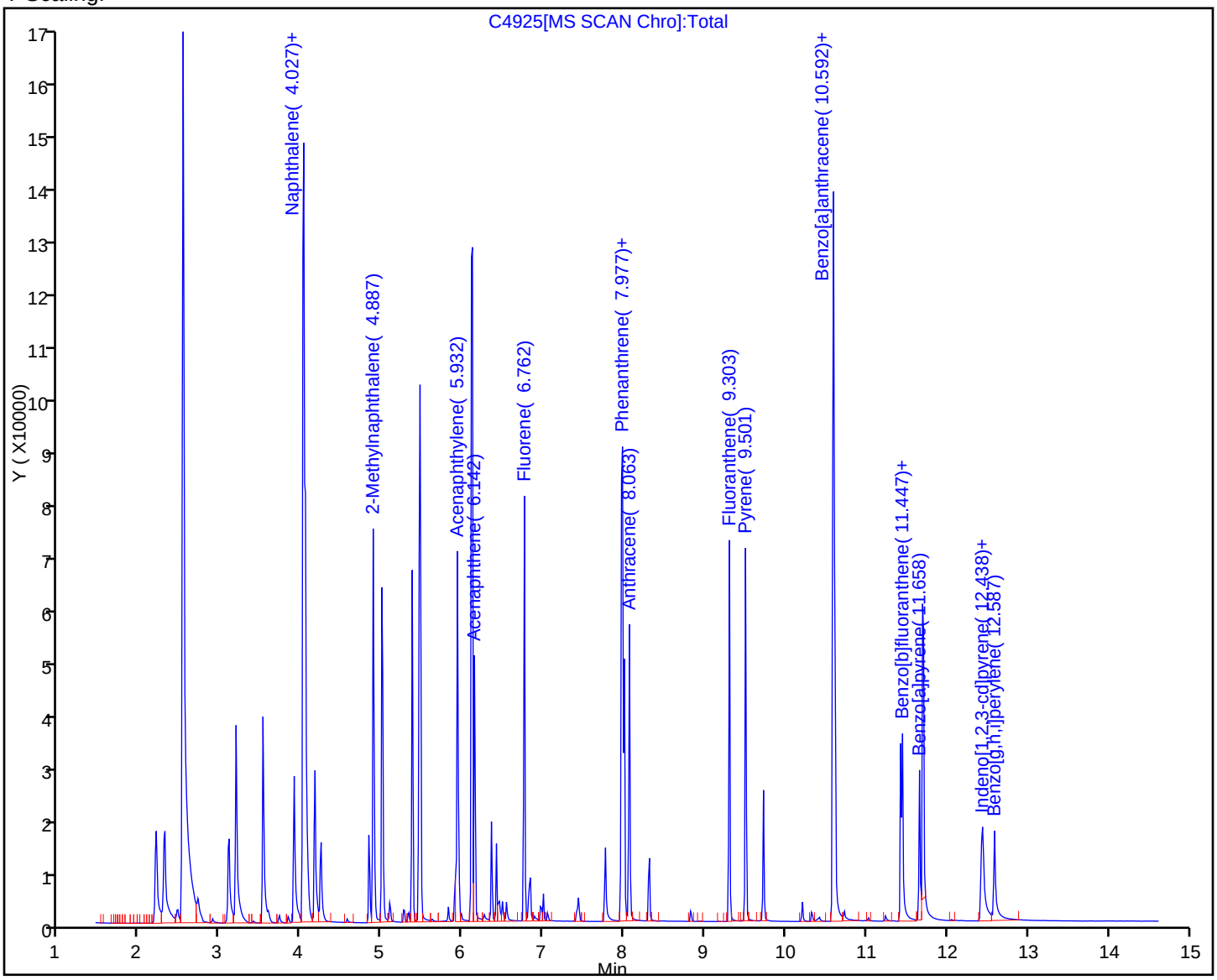
Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/ml	Ratio Range	Ratio	Flags
74 Acenaphthene									M
154	6.142	6.143	-0.001	0	29275	10.2	70.0- 130.0	100.0	M
152	0.0	6.143	-6.143		0		25.6- 85.6		
153	0.0	6.143	-6.143		0		77.5- 137.5		
80 Fluorene									
166	6.762	6.763	-0.001	6	34024	10.9	70.0- 130.0	100.0	
165	6.762	6.763	-0.001		30188		58.7- 118.7	88.7	
* 90 Phenanthrene-d10									
188	7.977	7.978	-0.001	1	114166	40.0	70.0- 130.0	100.0	
91 Phenanthrene									
178	8.001	8.002	-0.001	1	40713	10.2	70.0- 130.0	100.0	
179	8.001	8.002	-0.001		6318		0.0- 45.5	15.5	
92 Anthracene									
178	8.063	8.064	-0.001	1	43099	10.7	70.0- 130.0	100.0	
179	8.063	8.064	-0.001		6295		0.0- 44.6	14.6	
95 Fluoranthene									
202	9.303	9.304	-0.001	2	41811	10.7	70.0- 130.0	100.0	
101	9.290	9.304	-0.014		5715		0.0- 43.7	13.7	
203	9.303	9.304	-0.001		7411		0.0- 47.7	17.7	
97 Pyrene									
202	9.501	9.502	-0.001	20	42164	9.91	70.0- 130.0	100.0	
101	9.501	9.502	-0.001		7397		0.0- 47.5	17.5	
$ 98 Terphenyl-d14									
244	9.724	9.725	-0.001	1	15893	9.51	70.0- 130.0	100.0	
122	9.712	9.725	-0.013		3364		0.0- 51.2	21.2	
101 Benzo[a]anthracene									
228	10.579	10.580	-0.001	0	32213	9.34	70.0- 130.0	100.0	
229	10.579	10.580	-0.001		8822		0.0- 57.4	27.4	
226	10.579	10.580	-0.001		8436		0.0- 56.2	26.2	
* 103 Chrysene-d12									
240	10.592	10.593	-0.001	1	85276	40.0	70.0- 130.0	100.0	
104 Chrysene									M
228	10.604	10.605	-0.001	1	43892	10.9	70.0- 130.0	100.0	M
226	10.604	10.605	-0.001		10618		0.0- 54.2	24.2	
229	10.617	10.605	0.012		5329		0.0- 42.1	12.1	
106 Benzo[b]fluoranthene									M
252	11.422	11.423	-0.001	1	29316	10.5	70.0- 130.0	100.0	M
253	11.447	11.423	0.024		13317		15.4- 75.4	45.4	
107 Benzo[k]fluoranthene									M
252	11.447	11.436	0.011	1	41741	10.8	70.0- 130.0	100.0	M
253	11.447	11.436	0.011		13317		1.9- 61.9	31.9	
108 Benzo[a]pyrene									M
252	11.658	11.646	0.012	1	24349	9.62	70.0- 130.0	100.0	M
253	11.658	11.646	0.012		6115		0.0- 55.1	25.1	

Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/ml	Ratio Range	Ratio	Flags
* 109 Perylene-d12									M
264	11.707	11.696	0.011	1	73044	40.0	70.0- 130.0	100.0	M
110 Indeno[1,2,3-cd]pyrene									
276	12.426	12.415	0.011	1	22347	9.35	70.0- 130.0	100.0	
138	12.414	12.415	-0.001		7842		5.1- 65.1	35.1	
111 Dibenz(a,h)anthracene									M
278	12.438	12.427	0.011	1	20273	9.79	70.0- 130.0	100.0	M
139	12.438	12.427	0.011		3746		0.0- 48.5	18.5	
24 Benzo[g,h,i]perylene									M
276	12.587	12.576	0.011	1	24660	10.7	70.0- 130.0	100.0	M
138	12.575	12.576	-0.001		6129		0.0- 54.9	24.9	

QC Flag Legend

Review Flags
M - Manually Integrated

Report Date: 19-Aug-2011 13:54:38 Chrom Revision: 1.2 13-Jul-2011 10:43:06
Data File: \\valsvr08\ChromData\SMSB\20110819-5411.b\C4925.D
Injection Date: 19-Aug-2011 11:47:30 Limit Group: SMS - 1 - 8270 SIM Calibration
Client ID: Instrument ID: SMSB
Lims Batch ID: 85359 Lims Sample ID: 6
Operator ID: wds Injection Vol: 1.00 ul
Y Scaling:



Report Date: 19-Aug-2011 13:54:38 Chrom Revision: 1.2 13-Jul-2011 10:43:06

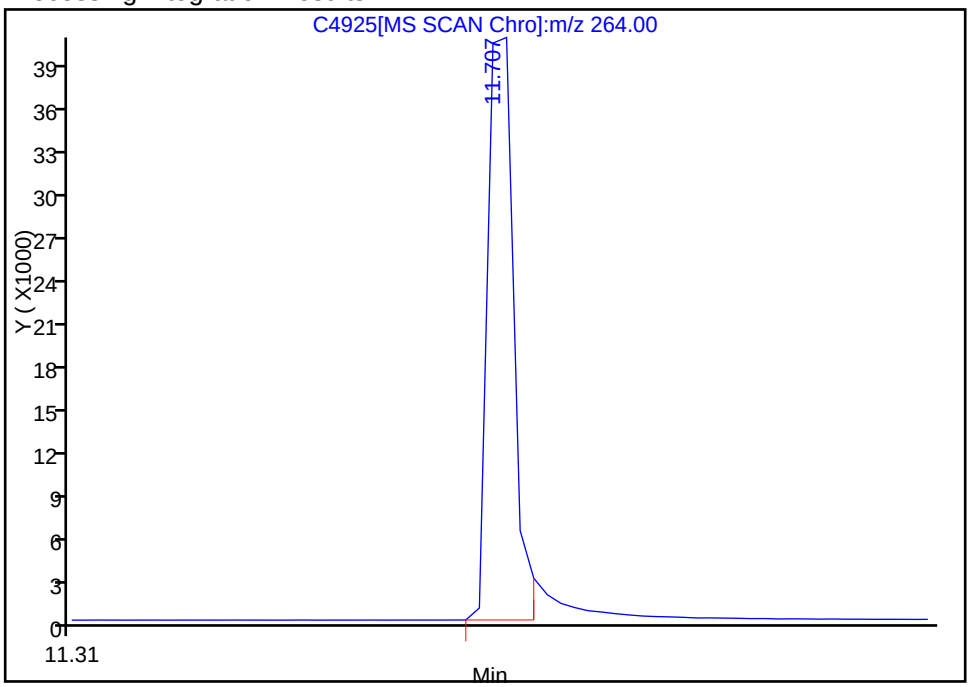
Manual Integration/User Assign Peak Report

Data File:	\\valsvr08\ChromData\SMSB\20110819-5411.b\C4925.D		
Injection Date:	19-Aug-2011 11:47:30	Limit Group:	SMS - 1 - 8270 SIM Calibration
Client ID:		Instrument ID:	SMSB
Lims Batch ID:	85359	Lims Sample ID:	6
Operator ID:	wds	Injection Vol:	1.00 ul

* 109 Perylene-d12, Signal: 1, m/z: 264.0 Type: quant, RT: 11.70

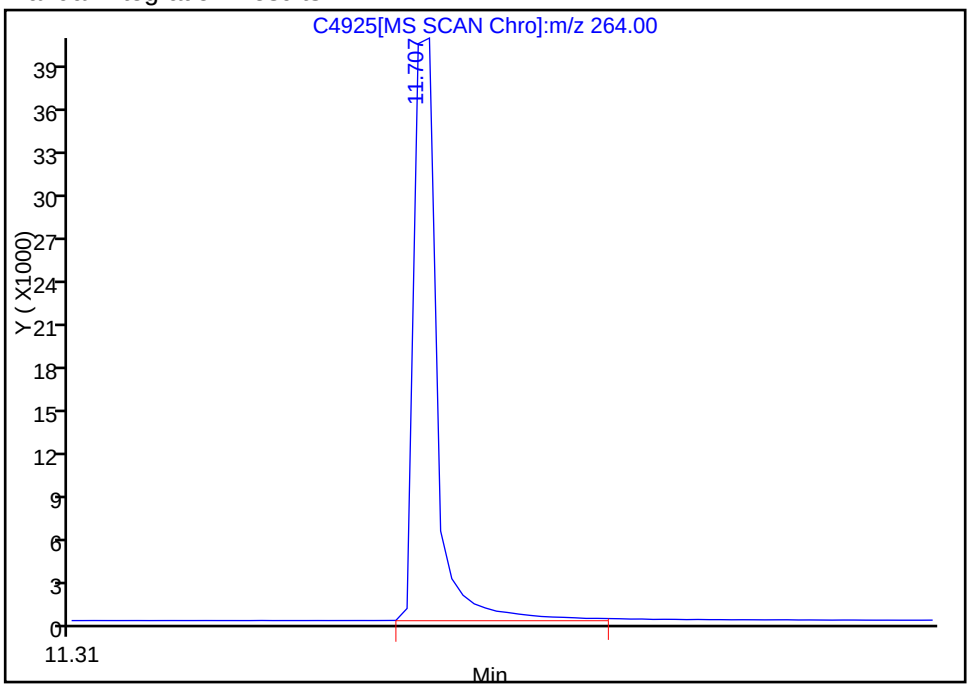
Processing Integration Results

RT: 11.71
Response: 67472
Amount: 40.000000



Manual Integration Results

RT: 11.71
Response: 73044
Amount: 40.000000



Reviewer: squiresb, 19-Aug-2011 12:09:29
Audit Action: Manually Integrated
Audit Reason: Assign Peak

Report Date: 19-Aug-2011 13:54:38 Chrom Revision: 1.2 13-Jul-2011 10:43:06

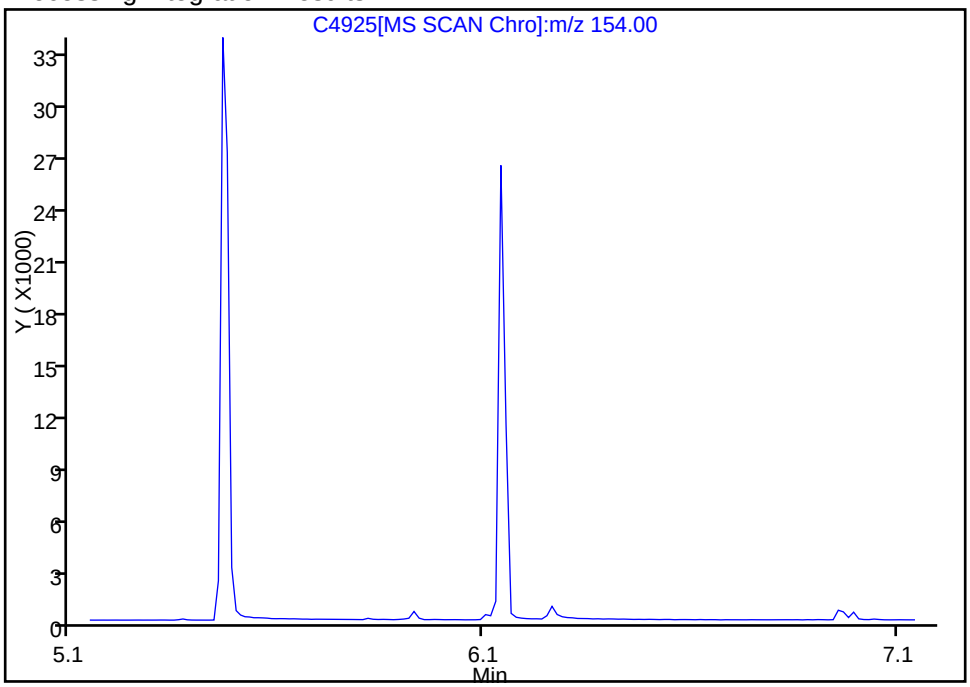
Manual Integration/User Assign Peak Report

Data File:	\\valsvr08\ChromData\SMSB\20110819-5411.b\C4925.D		
Injection Date:	19-Aug-2011 11:47:30	Limit Group:	SMS - 1 - 8270 SIM Calibration
Client ID:		Instrument ID:	SMSB
Lims Batch ID:	85359	Lims Sample ID:	6
Operator ID:	wds	Injection Vol:	1.00 ul

74 Acenaphthene, Signal: 1, m/z: 154.0 Type: quant, RT: 6.14

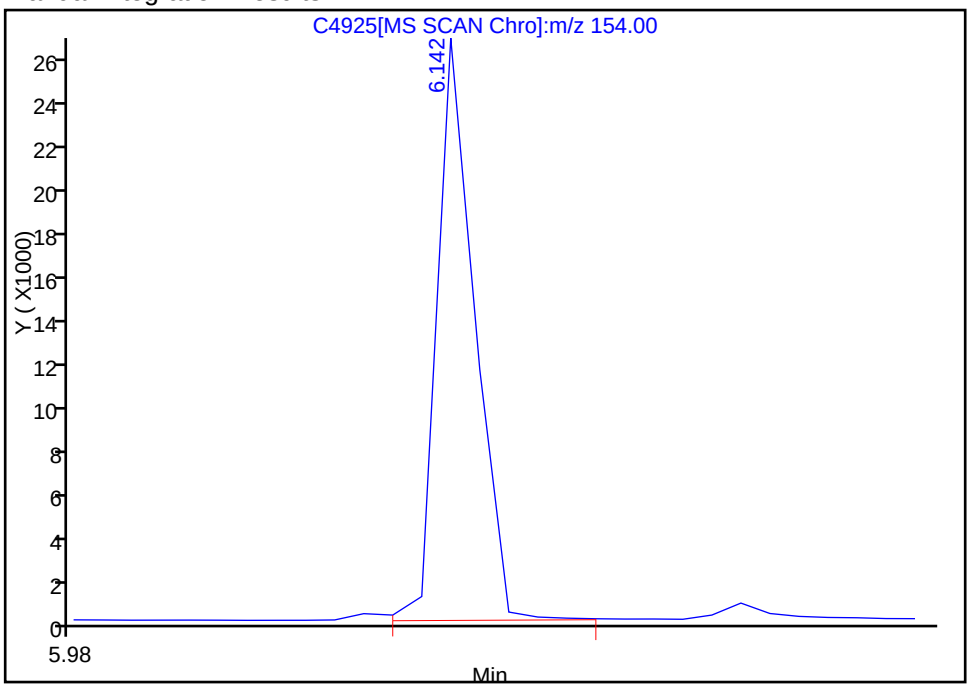
Processing Integration Results

Not Detected
Expected RT: 6.14



Manual Integration Results

RT: 6.14
Response: 29275
Amount: 10.214886



Reviewer: squiresb, 19-Aug-2011 12:09:29
Audit Action: Manually Integrated
Audit Reason: Assign Peak

Report Date: 19-Aug-2011 13:54:38 Chrom Revision: 1.2 13-Jul-2011 10:43:06

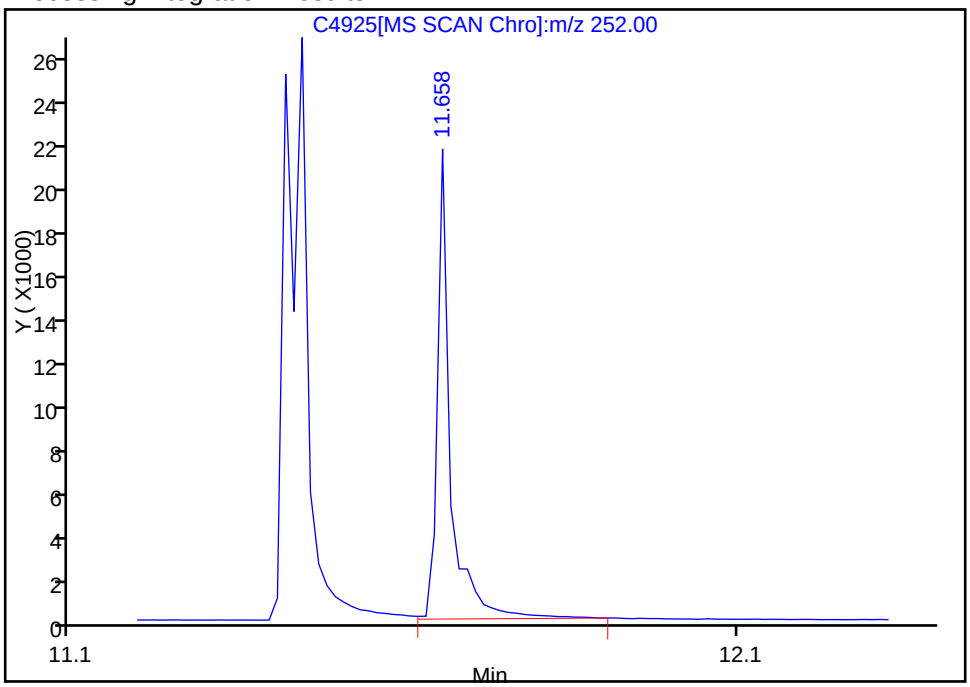
Manual Integration/User Assign Peak Report

Data File:	\\valsvr08\ChromData\SMSB\20110819-5411.b\C4925.D		
Injection Date:	19-Aug-2011 11:47:30	Limit Group:	SMS - 1 - 8270 SIM Calibration
Client ID:		Instrument ID:	SMSB
Lims Batch ID:	85359	Lims Sample ID:	6
Operator ID:	wds	Injection Vol:	1.00 ul

108 Benzo[a]pyrene, Signal: 1, m/z: 252.0 Type: quant, RT: 11.65

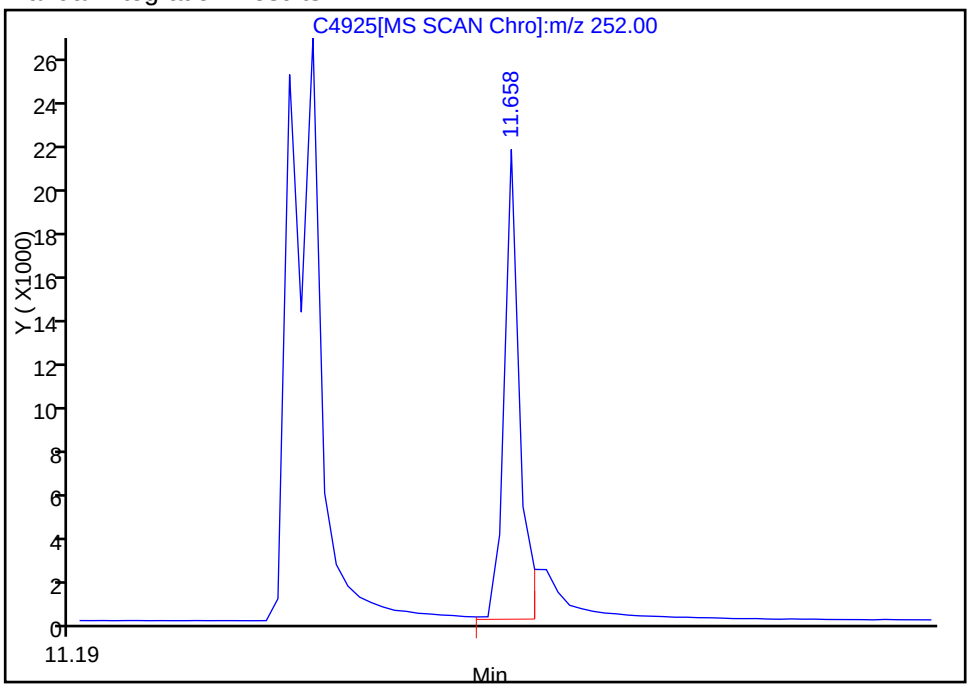
Processing Integration Results

RT: 11.66
Response: 29168
Amount: 10.011115



Manual Integration Results

RT: 11.66
Response: 24349
Amount: 9.620101



Reviewer: squiresb, 19-Aug-2011 12:09:29
Audit Action: Manually Integrated
Audit Reason: Assign Peak

Report Date: 19-Aug-2011 13:54:38 Chrom Revision: 1.2 13-Jul-2011 10:43:06

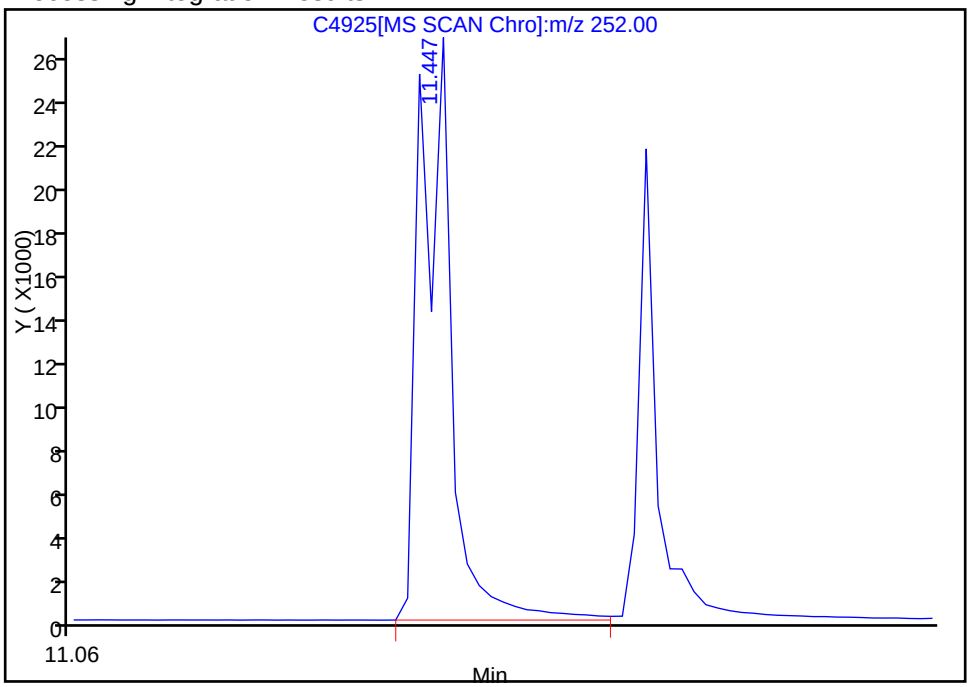
Manual Integration/User Assign Peak Report

Data File:	\\valsvr08\ChromData\SMSB\20110819-5411.b\C4925.D		
Injection Date:	19-Aug-2011 11:47:30	Limit Group:	SMS - 1 - 8270 SIM Calibration
Client ID:		Instrument ID:	SMSB
Lims Batch ID:	85359	Lims Sample ID:	6
Operator ID:	wds	Injection Vol:	1.00 ul

106 Benzo[b]fluoranthene, Signal: 1, m/z: 252.0 Type: quant, RT: 11.42

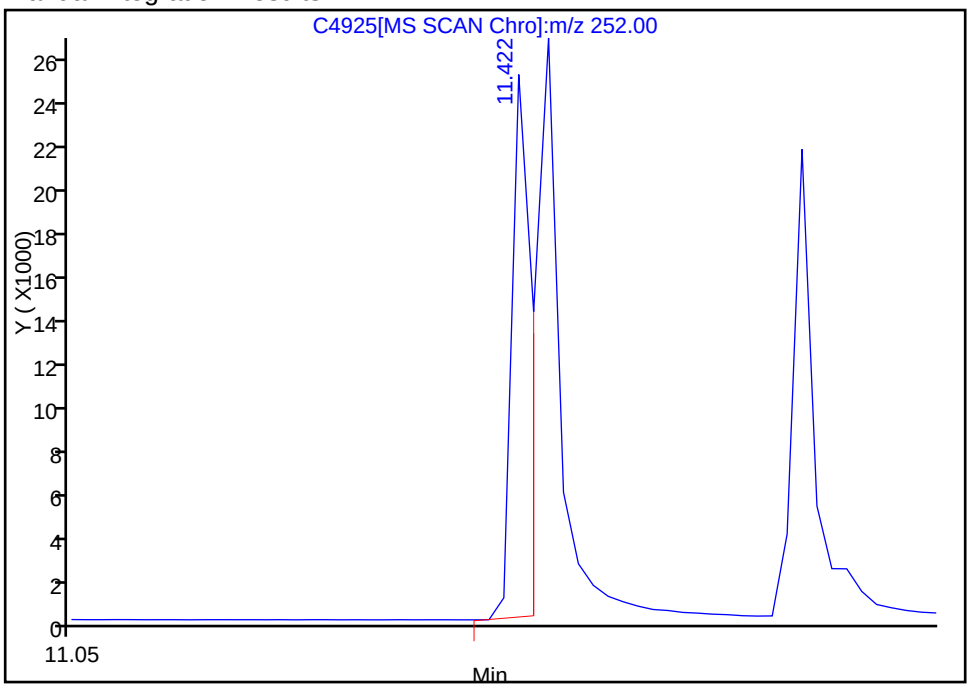
Processing Integration Results

RT: 11.45
Response: 60236
Amount: 10.019127



Manual Integration Results

RT: 11.42
Response: 29316
Amount: 10.523389



Reviewer: squiresb, 19-Aug-2011 12:09:29
Audit Action: Manually Integrated
Audit Reason: Assign Peak

Report Date: 19-Aug-2011 13:54:38 Chrom Revision: 1.2 13-Jul-2011 10:43:06

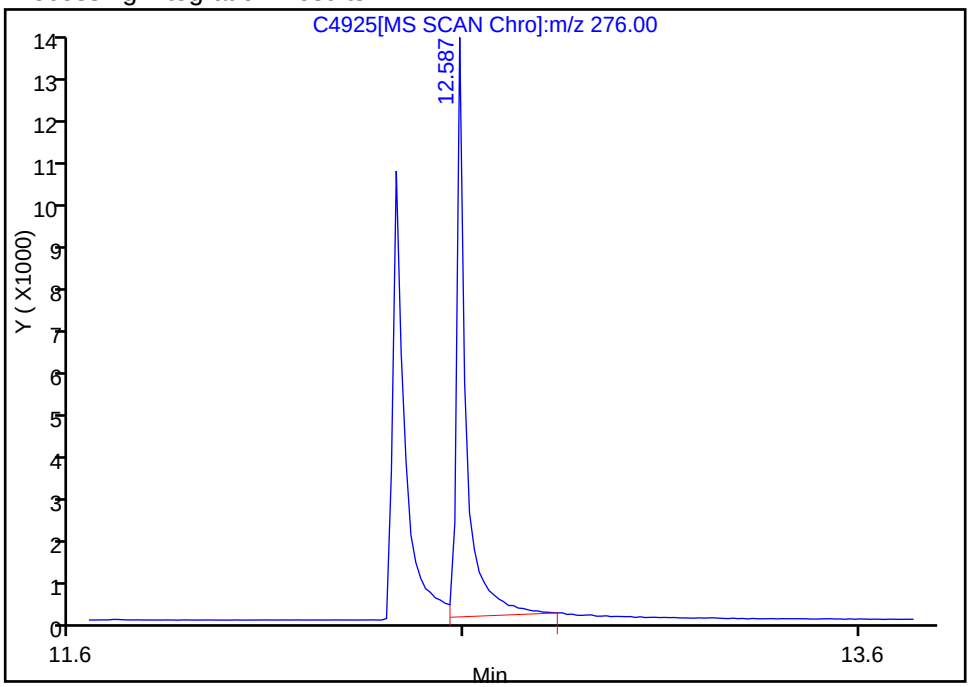
Manual Integration/User Assign Peak Report

Data File:	\\valsvr08\ChromData\SMSB\20110819-5411.b\C4925.D		
Injection Date:	19-Aug-2011 11:47:30	Limit Group:	SMS - 1 - 8270 SIM Calibration
Client ID:		Instrument ID:	SMSB
Lims Batch ID:	85359	Lims Sample ID:	6
Operator ID:	wds	Injection Vol:	1.00 ul

24 Benzo[g,h,i]perylene, Signal: 1, m/z: 276.0 Type: quant, RT: 12.58

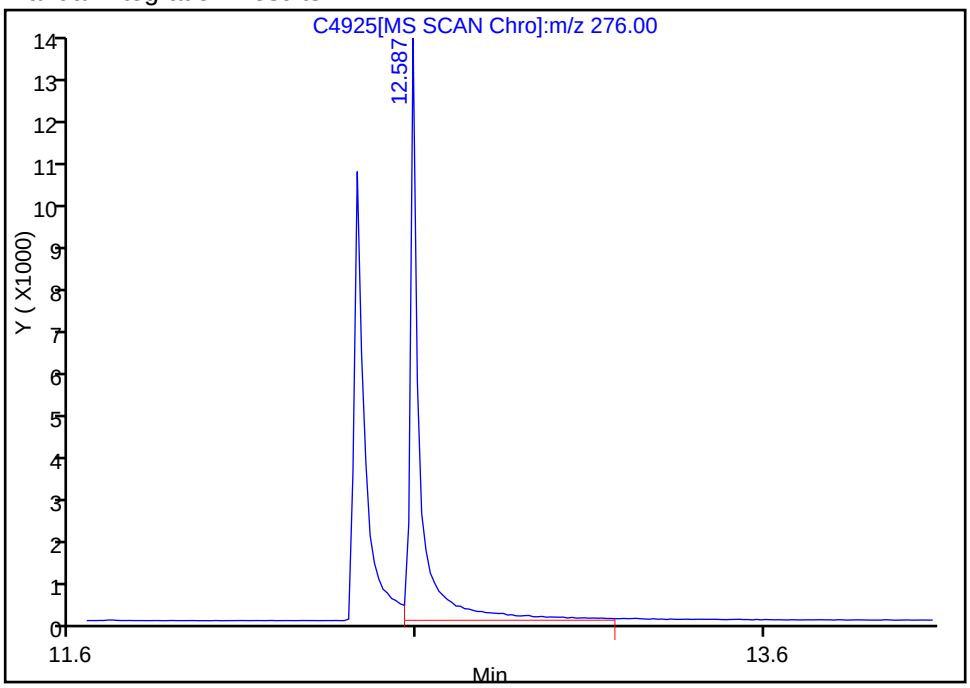
Processing Integration Results

RT: 12.59
Response: 21453
Amount: 9.779349



Manual Integration Results

RT: 12.59
Response: 24660
Amount: 10.656409



Reviewer: squiresb, 19-Aug-2011 12:09:29
Audit Action: Manually Integrated
Audit Reason: Assign Peak

Report Date: 19-Aug-2011 13:54:38 Chrom Revision: 1.2 13-Jul-2011 10:43:06

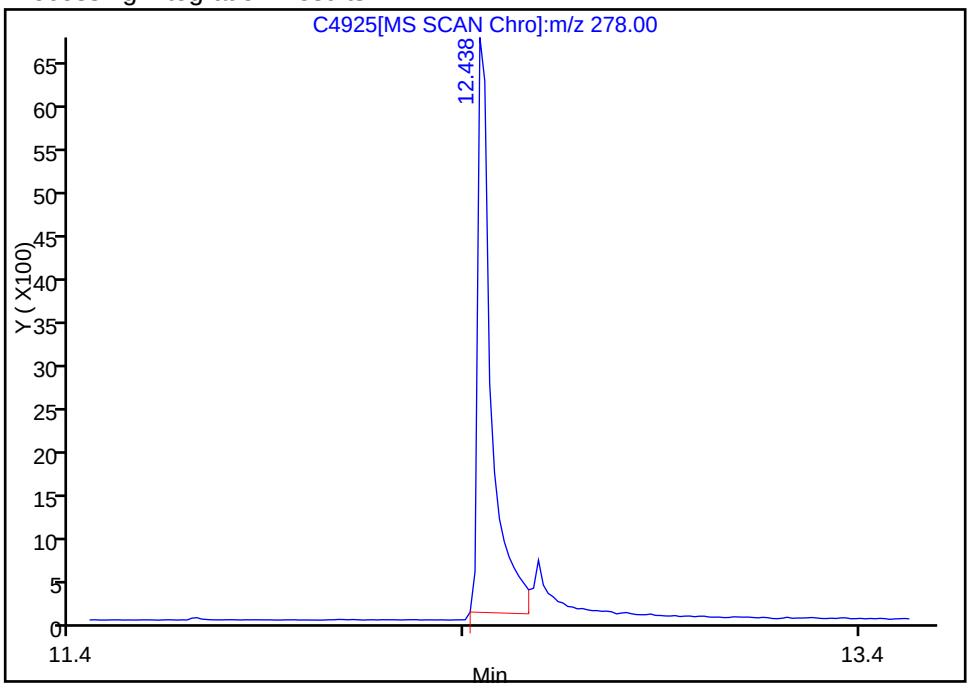
Manual Integration/User Assign Peak Report

Data File:	\\valsvr08\ChromData\SMSB\20110819-5411.b\C4925.D		
Injection Date:	19-Aug-2011 11:47:30	Limit Group:	SMS - 1 - 8270 SIM Calibration
Client ID:		Instrument ID:	SMSB
Lims Batch ID:	85359	Lims Sample ID:	6
Operator ID:	wds	Injection Vol:	1.00 ul

111 Dibenz(a,h)anthracene, Signal: 1, m/z: 278.0 Type: quant, RT: 12.43

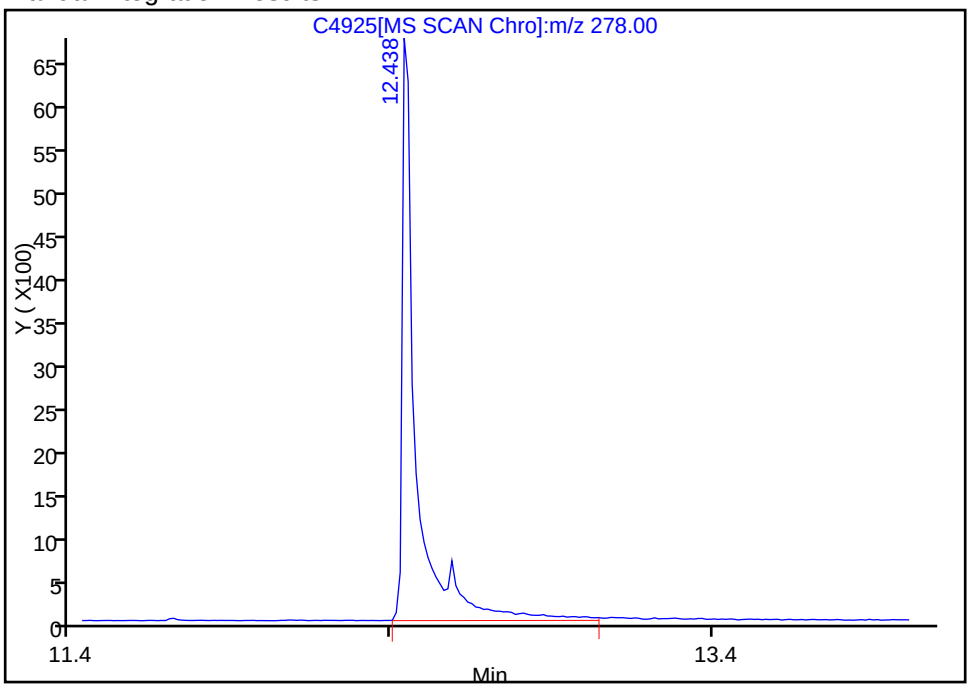
Processing Integration Results

RT: 12.44
Response: 15974
Amount: 9.897998



Manual Integration Results

RT: 12.44
Response: 20273
Amount: 9.791822



Reviewer: squiresb, 19-Aug-2011 12:09:29
Audit Action: Manually Integrated
Audit Reason: Assign Peak

Report Date: 19-Aug-2011 13:54:38 Chrom Revision: 1.2 13-Jul-2011 10:43:06

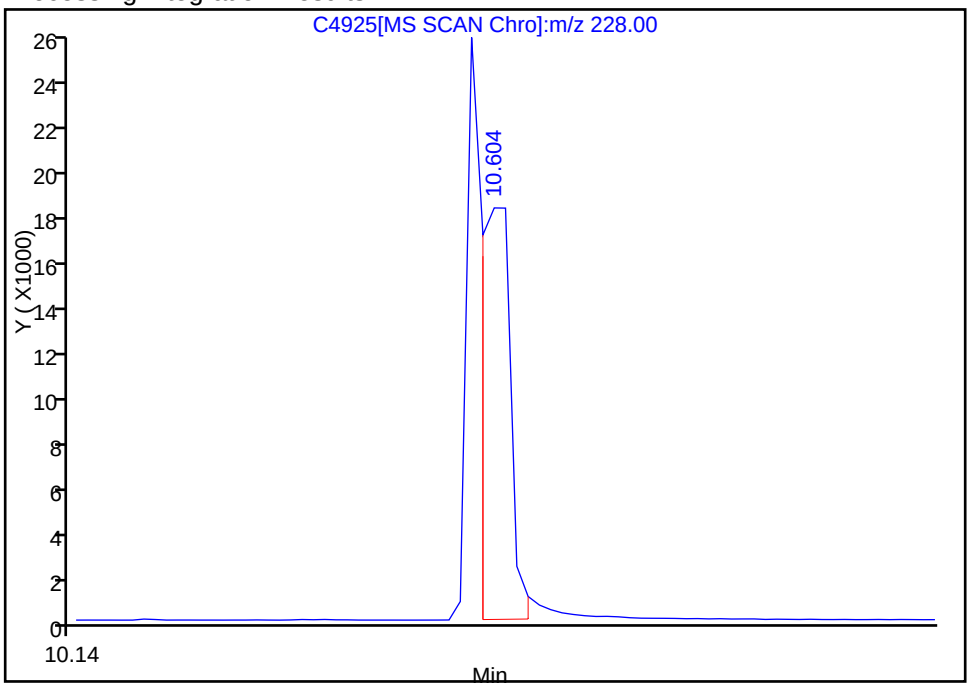
Manual Integration/User Assign Peak Report

Data File:	\\valsvr08\ChromData\SMSB\20110819-5411.b\C4925.D		
Injection Date:	19-Aug-2011 11:47:30	Limit Group:	SMS - 1 - 8270 SIM Calibration
Client ID:		Instrument ID:	SMSB
Lims Batch ID:	85359	Lims Sample ID:	6
Operator ID:	wds	Injection Vol:	1.00 ul

104 Chrysene, Signal: 1, m/z: 228.0 Type: quant, RT: 10.61

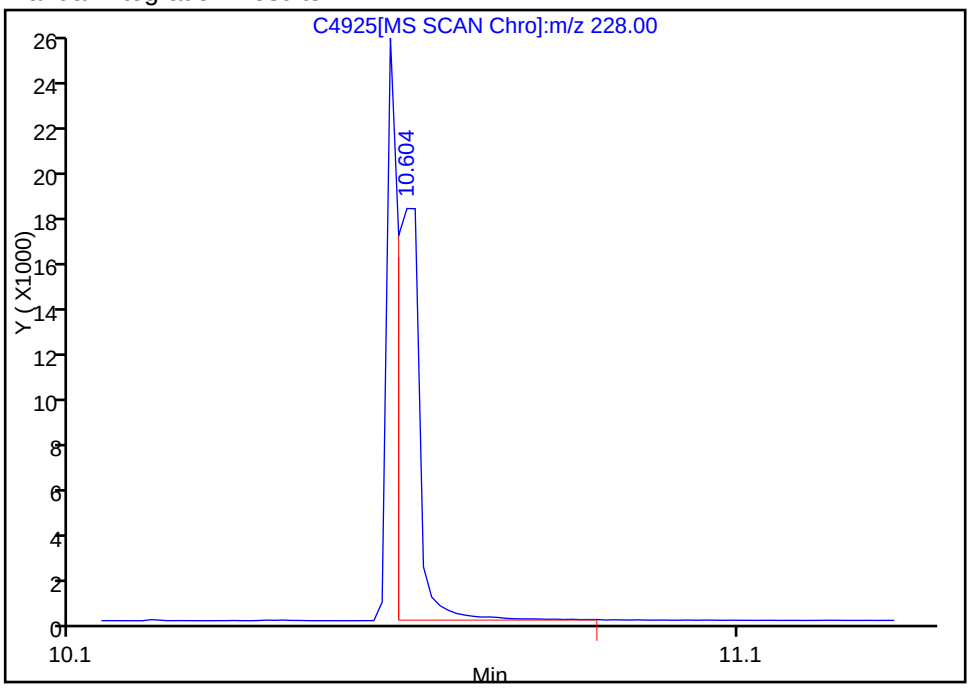
Processing Integration Results

RT: 10.60
Response: 41895
Amount: 10.519827



Manual Integration Results

RT: 10.60
Response: 43892
Amount: 10.896622



Reviewer: squiresb, 19-Aug-2011 12:09:29
Audit Action: Manually Integrated
Audit Reason: Assign Peak

Report Date: 19-Aug-2011 13:54:38 Chrom Revision: 1.2 13-Jul-2011 10:43:06

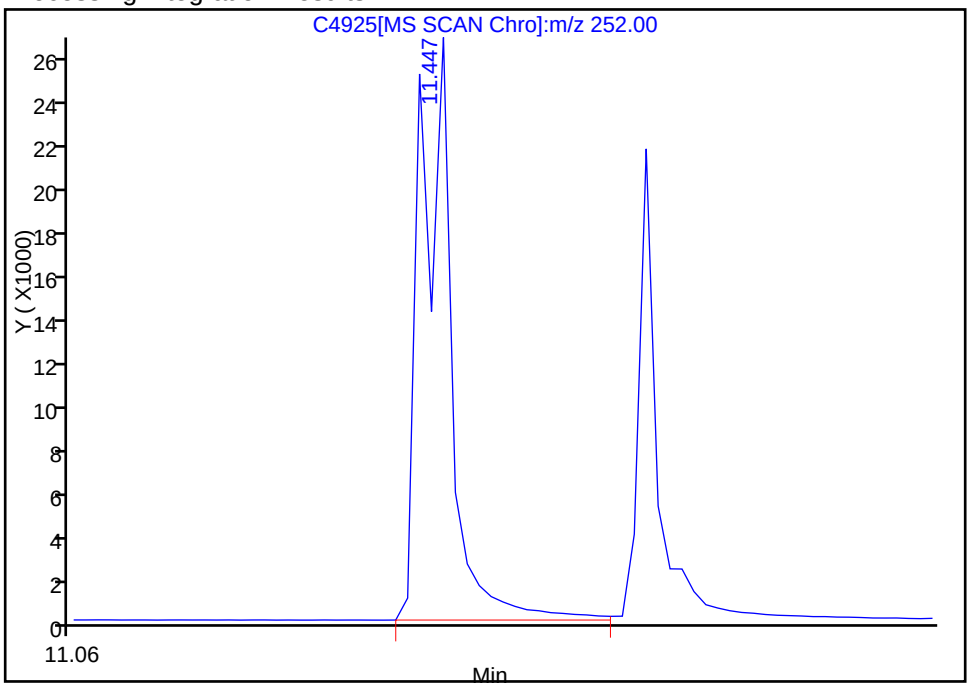
Manual Integration/User Assign Peak Report

Data File:	\\valsvr08\ChromData\SMSB\20110819-5411.b\C4925.D		
Injection Date:	19-Aug-2011 11:47:30	Limit Group:	SMS - 1 - 8270 SIM Calibration
Client ID:		Instrument ID:	SMSB
Lims Batch ID:	85359	Lims Sample ID:	6
Operator ID:	wds	Injection Vol:	1.00 ul

107 Benzo[k]fluoranthene, Signal: 1, m/z: 252.0 Type: quant, RT: 11.44

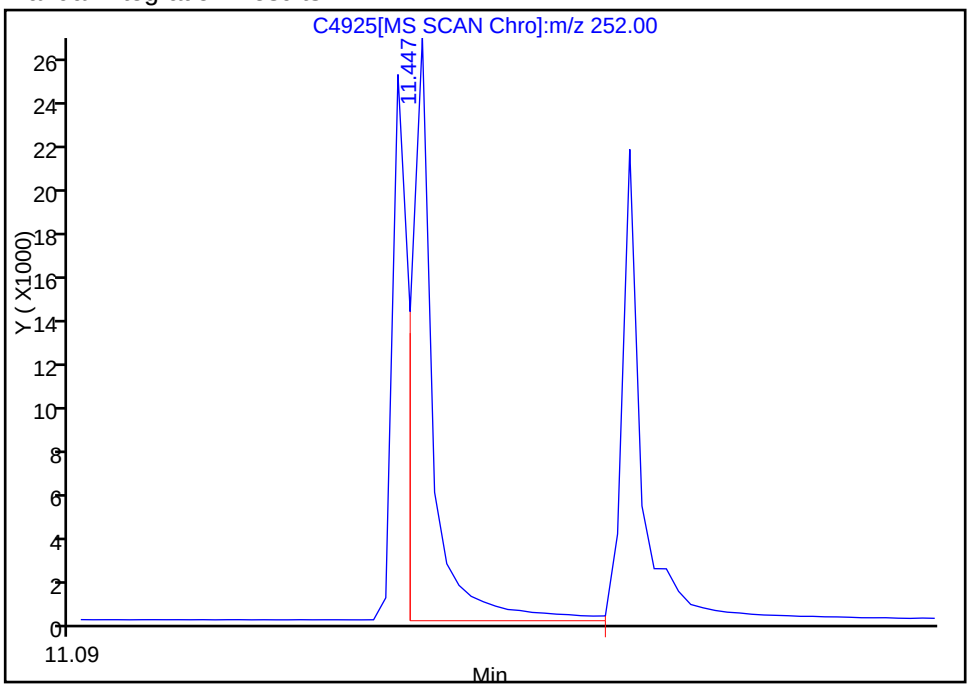
Processing Integration Results

RT: 11.45
Response: 60236
Amount: 10.014840



Manual Integration Results

RT: 11.45
Response: 41741
Amount: 10.832255



Reviewer: squiresb, 19-Aug-2011 12:09:29
Audit Action: Manually Integrated
Audit Reason: Assign Peak

TestAmerica Laboratories
Target Compound Quantitation Report

Data File:	\\valsvr08\ChromData\SMSB\20110819-5411.b\C4926.D		
Lims ID:	ic 020	Client ID:	
Inject. Date:	19-Aug-2011 12:08:30	Dil. Factor:	1.0000
Sample Type:	ICIS	Calib Level:	6
Sample ID:	SSTD 020		
Misc. Info.:	510-0005411-007 =510-0005411-007		
Operator:	wds	Instrument ID:	SMSB
Vol. Injected:	1.0000	ALS Bottle#:	7
Lims Batch ID:	85359	Lims Sample ID:	7
Sublist:	chrom-SIM-PNAB*sub12		
Detector:	MS SCAN		
Method:	\\valsvr08\ChromData\SMSB\20110819-5411.b\SIM-PNAB.m		
Last Update:	19-Aug-2011 13:54:41	Calib Date:	19-Aug-2011 12:50:30
Quant Method:	Internal Standard	Quant By:	Initial Calibration
Last ICal File:	\\valsvr08\ChromData\SMSB\20110819-5411.b\C4928.D		
Limit Group:	SMS - 1 - 8270 SIM Calibration		
Integrator:	RTE	ID Type:	RT Order ID
Process Host:	VAL-SMS-LAB1		

First Level Reviewer: squiresb Date: 19-Aug-2011 13:51:02

Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/ml	Ratio Range	Ratio	Flags
* 40 1,4-Dichlorobenzene-d4									
152	2.536	2.536	0.000	1	92878	40.0	70.0- 130.0	100.0	
115	2.525	2.536	-0.011		51184		25.1- 85.1	55.1	
$ 49 Nitrobenzene-d5									
82	3.192	3.192	0.000	1	56870	20.7	70.0- 130.0	100.0	
128	3.192	3.192	0.000		31784		24.4- 84.4	55.9	
54	3.192	3.192	0.000		27654		18.1- 78.1	48.6	
* 57 Naphthalene-d8									
136	4.019	4.019	0.000	1	200605	40.0	70.0- 130.0	100.0	
58 Naphthalene									
128	4.052	4.052	0.000	0	137257	20.7	70.0- 130.0	100.0	
129	4.052	4.052	0.000		15521		0.0- 41.1	11.3	
127	4.052	4.052	0.000		16959		0.0- 42.4	12.4	
62 2-Methylnaphthalene									
142	4.890	4.890	0.000	1	80259	20.5	70.0- 130.0	100.0	
141	4.890	4.890	0.000		64866		51.2- 111.2	80.8	
115	4.890	4.890	0.000		32856		9.6- 69.6	40.9	
$ 66 2-Fluorobiphenyl									
172	5.374	5.374	0.000	1	92839	20.7			
71 Acenaphthylene									
152	5.933	5.933	0.000	1	116482	20.5	70.0- 130.0	100.0	
151	5.933	5.933	0.000		22529		0.0- 49.5	19.3	
* 73 Acenaphthene-d10									
164	6.118	6.118	0.000	1	92652	40.0	70.0- 130.0	100.0	
162	6.118	6.118	0.000		83508		60.5- 120.5	90.1	

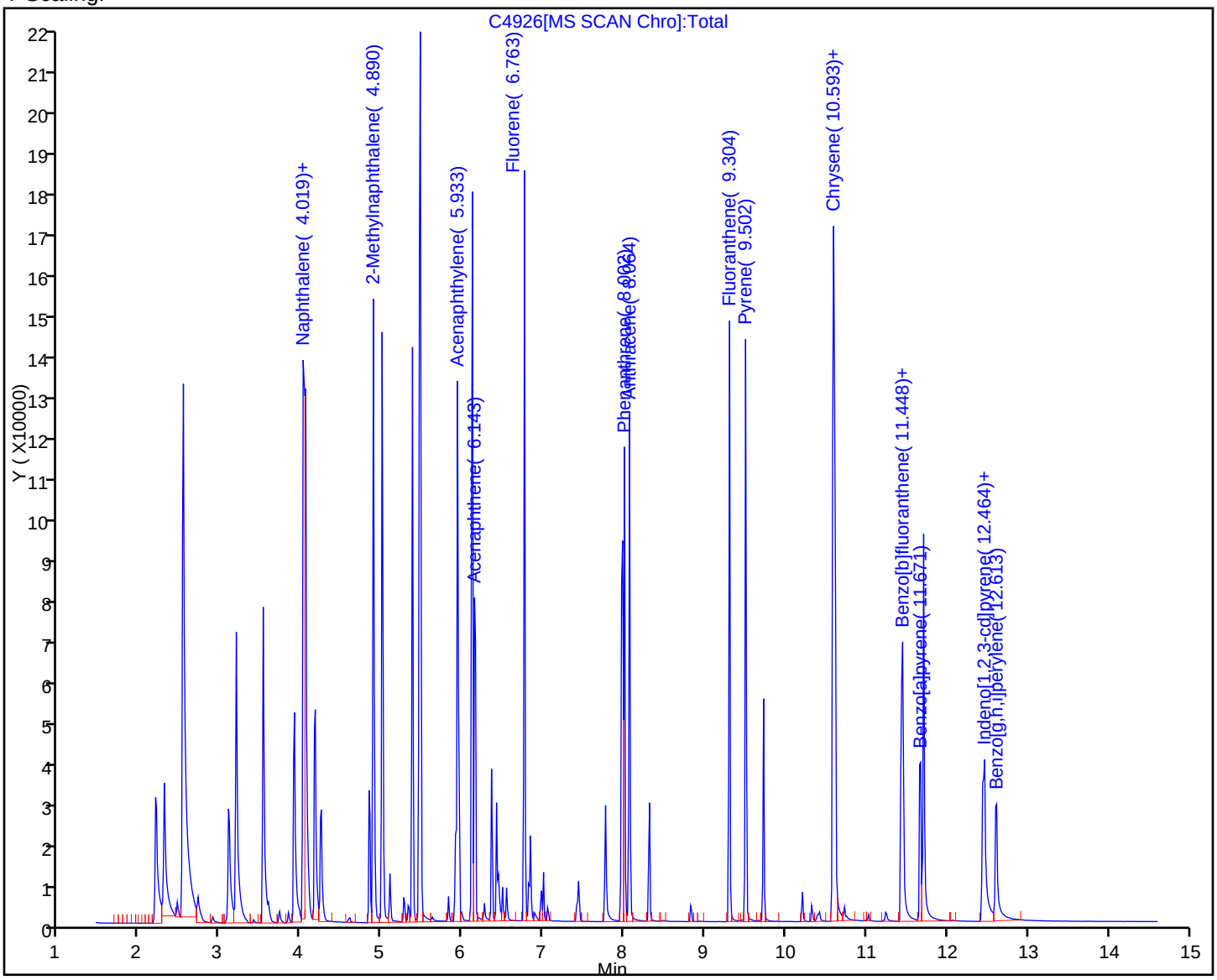
Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/ml	Ratio Range	Ratio	Flags
74 Acenaphthene									M
154	6.143	6.143	0.000	0	64221	20.3	70.0- 130.0	100.0	M
152	0.0	6.143	-6.143		0		25.6- 85.6		
153	0.0	6.143	-6.143		0		77.5- 137.5		
80 Fluorene									M
166	6.763	6.763	0.000	1	74995	21.7	70.0- 130.0	100.0	M
165	6.788	6.763	0.025		1084		58.7- 118.7	1.4	
* 90 Phenanthrene-d10									
188	7.978	7.978	0.000	1	119401	40.0	70.0- 130.0	100.0	
91 Phenanthrene									
178	8.002	8.002	0.000	1	88424	21.2	70.0- 130.0	100.0	
179	8.002	8.002	0.000		14180		0.0- 45.5	16.0	
92 Anthracene									
178	8.064	8.064	0.000	1	91849	21.7	70.0- 130.0	100.0	
179	8.064	8.064	0.000		14249		0.0- 44.6	15.5	
95 Fluoranthene									
202	9.304	9.304	0.000	2	88793	21.7	70.0- 130.0	100.0	
101	9.291	9.304	-0.013		11895		0.0- 43.7	13.4	
203	9.304	9.304	0.000		16307		0.0- 47.7	18.4	
97 Pyrene									
202	9.502	9.502	0.000	20	87514	20.8	70.0- 130.0	100.0	
101	9.502	9.502	0.000		15454		0.0- 47.5	17.7	
$ 98 Terphenyl-d14									
244	9.725	9.725	0.000	1	35364	21.4	70.0- 130.0	100.0	
122	9.713	9.725	-0.012		7052		0.0- 51.2	19.9	
101 Benzo[a]anthracene									M
228	10.580	10.580	0.000	0	66818	19.6	70.0- 130.0	100.0	M
229	10.580	10.580	0.000		17670		0.0- 57.4	26.4	
226	10.580	10.580	0.000		17604		0.0- 56.2	26.3	
* 103 Chrysene-d12									
240	10.593	10.593	0.000	1	84163	40.0	70.0- 130.0	100.0	
104 Chrysene									M
228	10.618	10.618	0.000	1	87806	22.1	70.0- 130.0	100.0	M
226	10.605	10.618	-0.013		23863		0.0- 54.2	27.2	
229	10.618	10.618	0.000		10933		0.0- 42.1	12.5	
106 Benzo[b]fluoranthene									M
252	11.436	11.436	0.000	1	49909	16.8	70.0- 130.0	100.0	M
253	11.448	11.436	0.012		27648		15.4- 75.4	55.4	
107 Benzo[k]fluoranthene									M
252	11.448	11.448	0.000	1	103644	25.2	70.0- 130.0	100.0	M
253	11.448	11.448	0.000		27648		1.9- 61.9	26.7	
108 Benzo[a]pyrene									
252	11.671	11.671	0.000	1	50793	18.8	70.0- 130.0	100.0	
253	11.671	11.671	0.000		11300		0.0- 55.1	22.2	

Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/ml	Ratio Range	Ratio	Flags
* 109 Perylene-d12									
264	11.708	11.708	0.000	1	78070	40.0	70.0- 130.0	100.0	
110 Indeno[1,2,3-cd]pyrene									
276	12.440	12.440	0.000	1	51288	19.3	70.0- 130.0	100.0	
138	12.427	12.440	-0.013		18118		5.1- 65.1	35.3	
111 Dibenz(a,h)anthracene									M
278	12.464	12.464	0.000	1	45258	20.2	70.0- 130.0	100.0	M
139	12.452	12.464	-0.012		9423		0.0- 48.5	20.8	
24 Benzo[g,h,i]perylene									M
276	12.613	12.613	0.000	1	51183	20.7	70.0- 130.0	100.0	M
138	12.601	12.613	-0.012		14308		0.0- 54.9	28.0	

QC Flag Legend

Review Flags
M - Manually Integrated

Report Date: 19-Aug-2011 13:54:41 Chrom Revision: 1.2 13-Jul-2011 10:43:06
Data File: \\valsvr08\ChromData\SMSB\20110819-5411.b\C4926.D
Injection Date: 19-Aug-2011 12:08:30 Limit Group: SMS - 1 - 8270 SIM Calibration
Client ID: Instrument ID: SMSB
Lims Batch ID: 85359 Lims Sample ID: 7
Operator ID: wds Injection Vol: 1.00 ul
Y Scaling:



Report Date: 19-Aug-2011 13:54:41 Chrom Revision: 1.2 13-Jul-2011 10:43:06

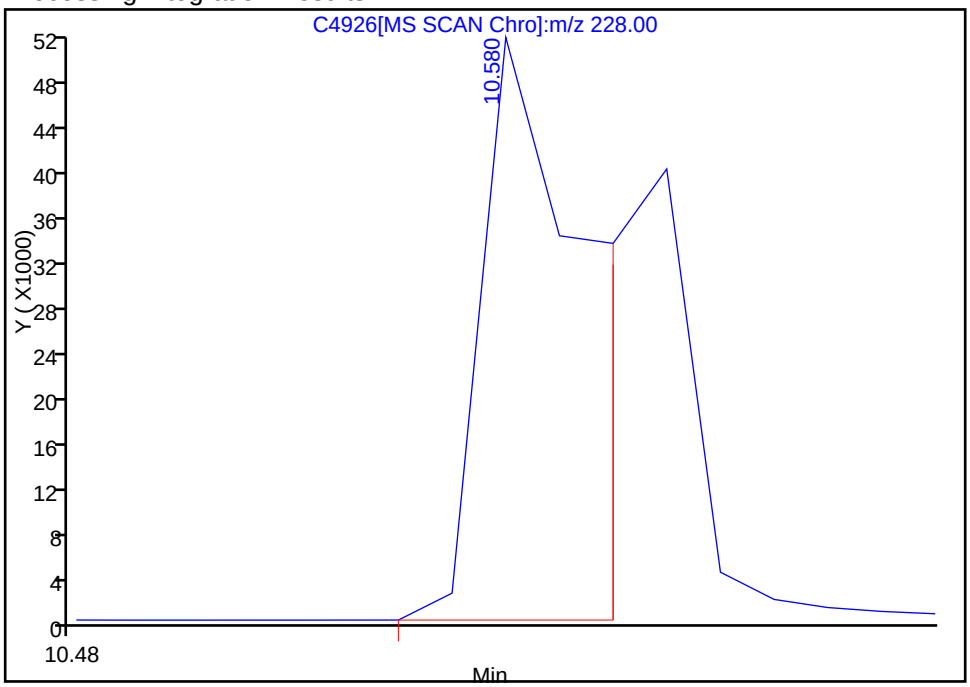
Manual Integration/User Assign Peak Report

Data File:	\\valsvr08\ChromData\SMSB\20110819-5411.b\C4926.D		
Injection Date:	19-Aug-2011 12:08:30	Limit Group:	SMS - 1 - 8270 SIM Calibration
Client ID:		Instrument ID:	SMSB
Lims Batch ID:	85359	Lims Sample ID:	7
Operator ID:	wds	Injection Vol:	1.00 ul

101 Benzo[a]anthracene, Signal: 1, m/z: 228.0 Type: quant, RT: 10.58

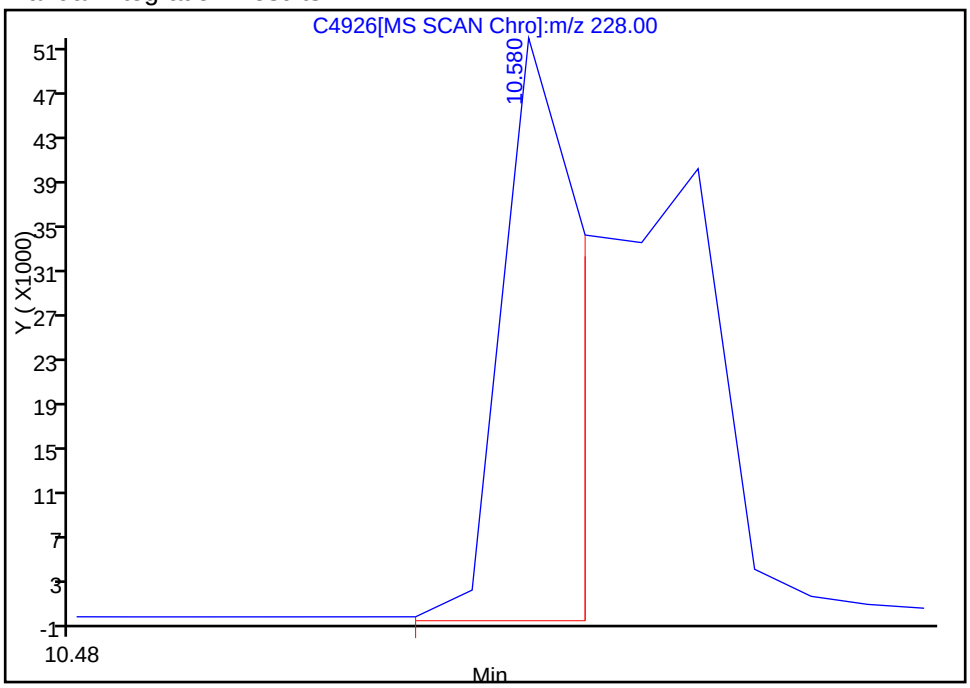
Processing Integration Results

RT: 10.58
Response: 90714
Amount: 21.250855



Manual Integration Results

RT: 10.58
Response: 66818
Amount: 19.628221



Reviewer: squiresb, 19-Aug-2011 13:51:02
Audit Action: Manually Integrated
Audit Reason: Assign Peak

Report Date: 19-Aug-2011 13:54:41 Chrom Revision: 1.2 13-Jul-2011 10:43:06

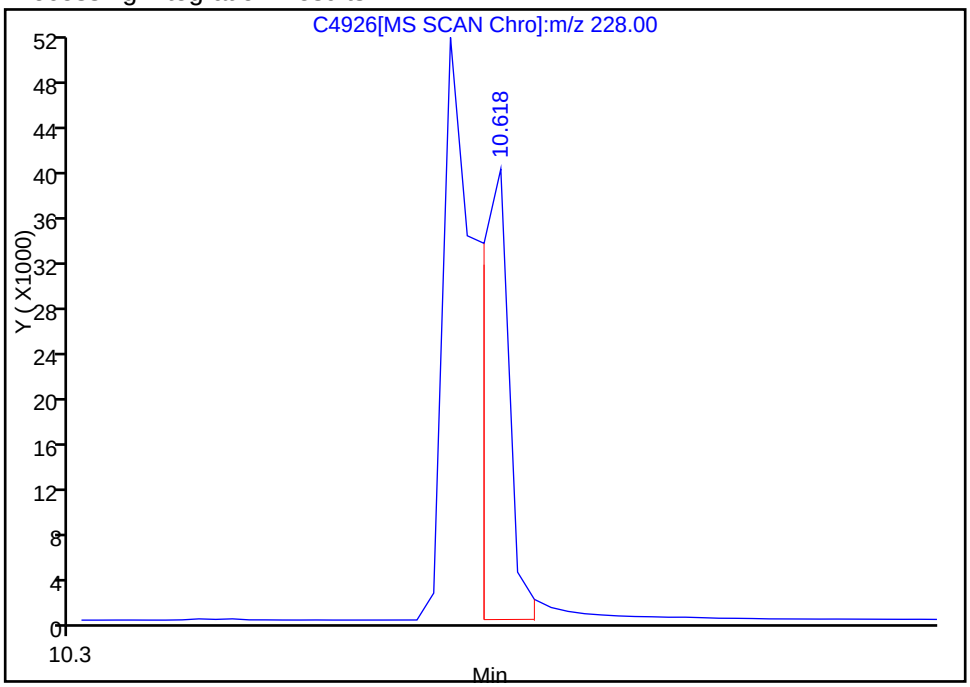
Manual Integration/User Assign Peak Report

Data File:	\\valsvr08\ChromData\SMSB\20110819-5411.b\C4926.D		
Injection Date:	19-Aug-2011 12:08:30	Limit Group:	SMS - 1 - 8270 SIM Calibration
Client ID:		Instrument ID:	SMSB
Lims Batch ID:	85359	Lims Sample ID:	7
Operator ID:	wds	Injection Vol:	1.00 ul

104 Chrysene, Signal: 1, m/z: 228.0 Type: quant, RT: 10.62

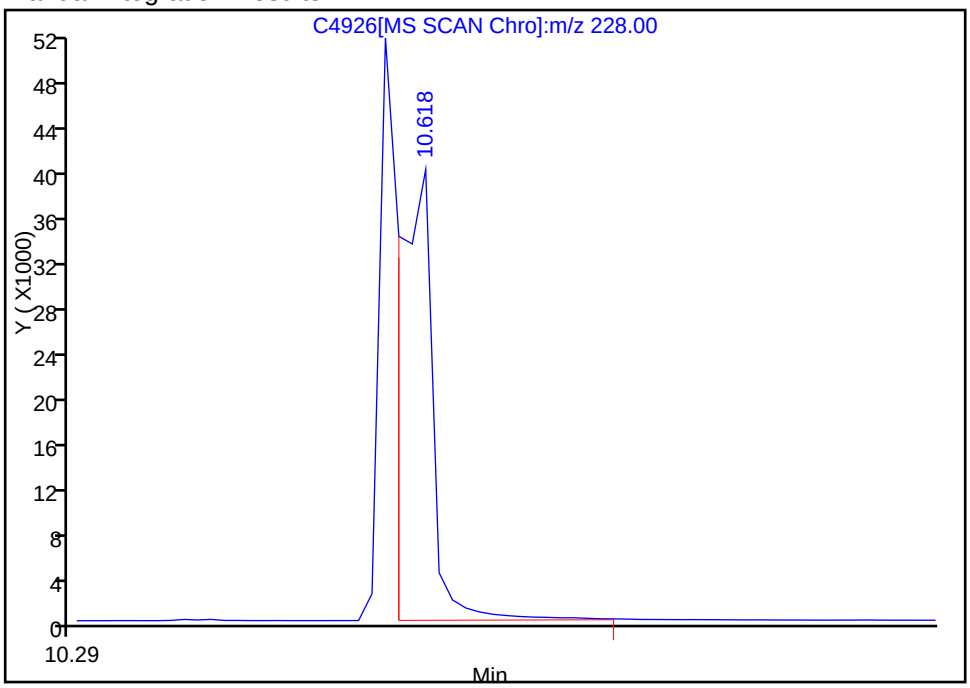
Processing Integration Results

RT: 10.62
Response: 59180
Amount: 15.767047



Manual Integration Results

RT: 10.62
Response: 87806
Amount: 22.086980



Reviewer: squiresb, 19-Aug-2011 13:51:02
Audit Action: Manually Integrated
Audit Reason: Assign Peak

Report Date: 19-Aug-2011 13:54:41 Chrom Revision: 1.2 13-Jul-2011 10:43:06

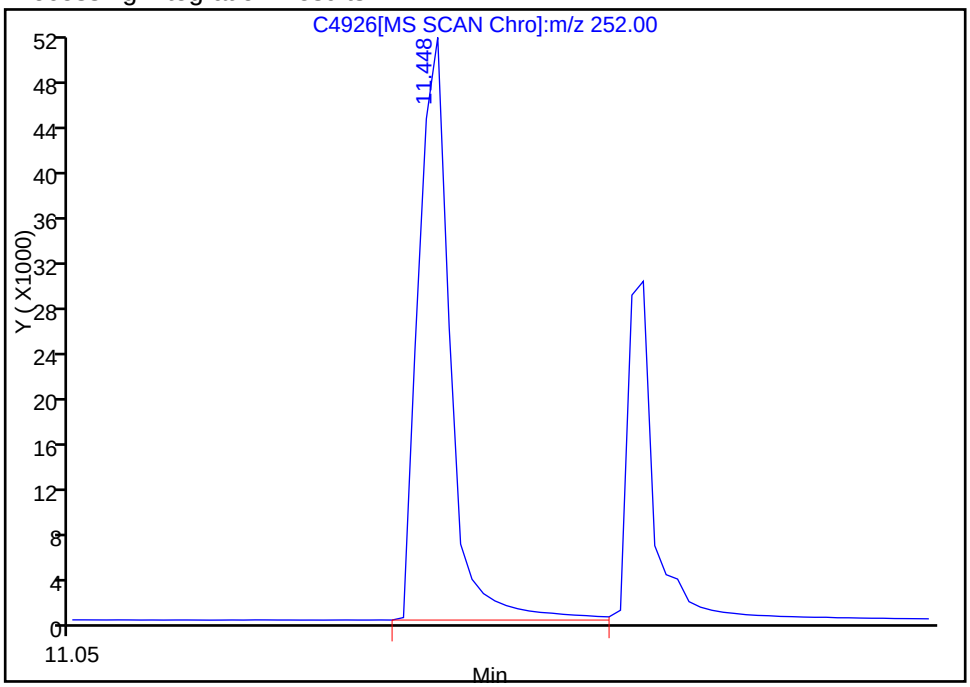
Manual Integration/User Assign Peak Report

Data File:	\\valsvr08\ChromData\SMSB\20110819-5411.b\C4926.D		
Injection Date:	19-Aug-2011 12:08:30	Limit Group:	SMS - 1 - 8270 SIM Calibration
Client ID:		Instrument ID:	SMSB
Lims Batch ID:	85359	Lims Sample ID:	7
Operator ID:	wds	Injection Vol:	1.00 ul

106 Benzo[b]fluoranthene, Signal: 1, m/z: 252.0 Type: quant, RT: 11.44

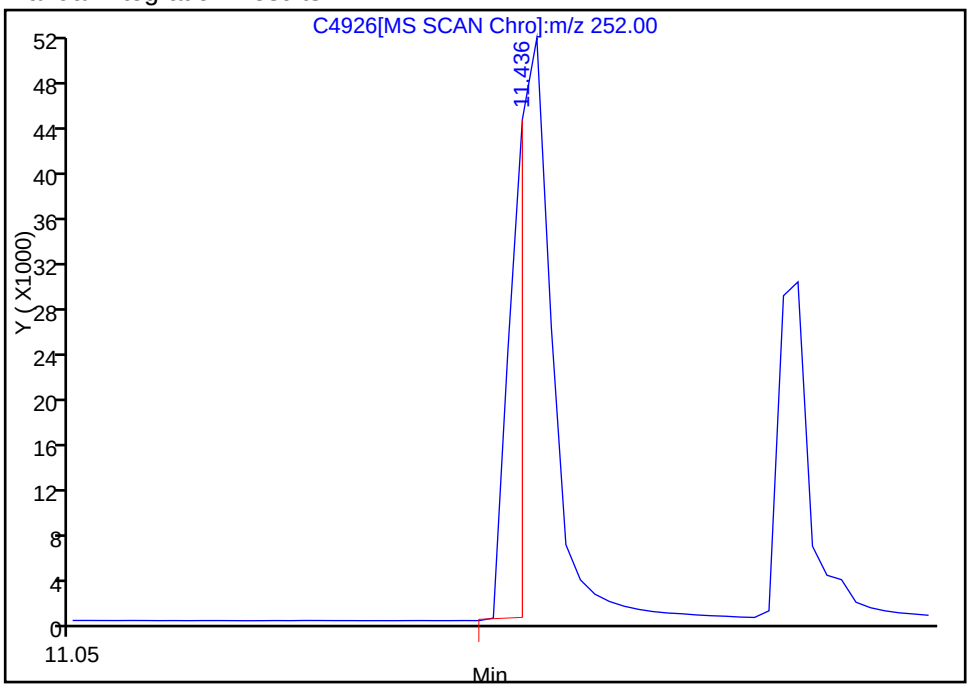
Processing Integration Results

RT: 11.45
Response: 122971
Amount: 21.058555



Manual Integration Results

RT: 11.44
Response: 49909
Amount: 16.762166



Reviewer: squiresb, 19-Aug-2011 13:51:02
Audit Action: Manually Integrated
Audit Reason: Assign Peak

Report Date: 19-Aug-2011 13:54:41 Chrom Revision: 1.2 13-Jul-2011 10:43:06

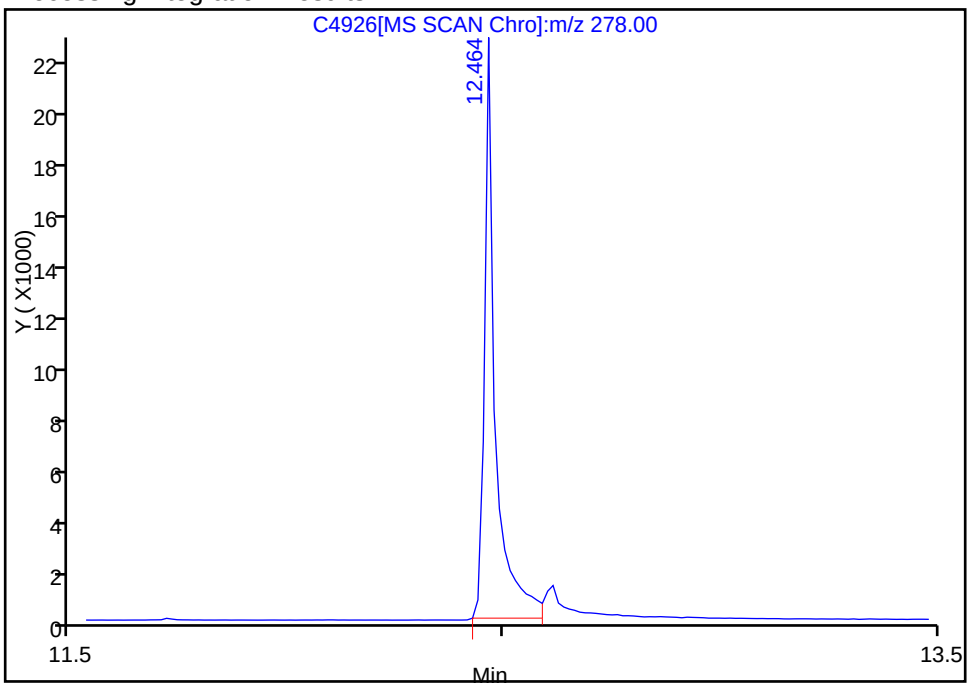
Manual Integration/User Assign Peak Report

Data File:	\\valsvr08\ChromData\SMSB\20110819-5411.b\C4926.D		
Injection Date:	19-Aug-2011 12:08:30	Limit Group:	SMS - 1 - 8270 SIM Calibration
Client ID:		Instrument ID:	SMSB
Lims Batch ID:	85359	Lims Sample ID:	7
Operator ID:	wds	Injection Vol:	1.00 ul

111 Dibenz(a,h)anthracene, Signal: 1, m/z: 278.0 Type: quant, RT: 12.46

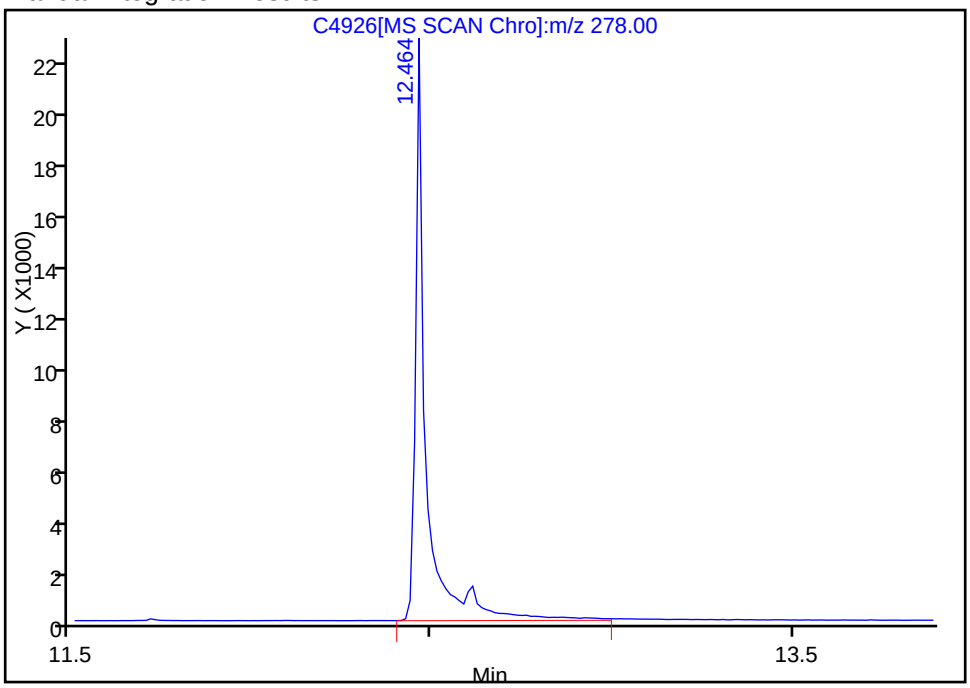
Processing Integration Results

RT: 12.46
Response: 38366
Amount: 19.736283



Manual Integration Results

RT: 12.46
Response: 45258
Amount: 20.234016



Reviewer: squiresb, 19-Aug-2011 13:51:02
Audit Action: Manually Integrated
Audit Reason: Assign Peak

Report Date: 19-Aug-2011 13:54:41 Chrom Revision: 1.2 13-Jul-2011 10:43:06

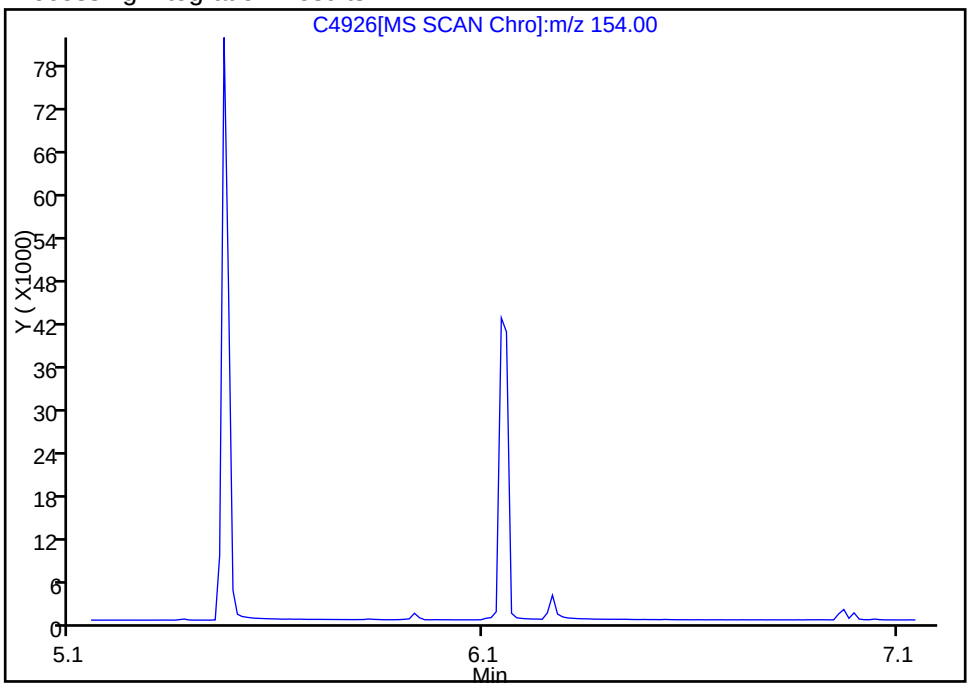
Manual Integration/User Assign Peak Report

Data File:	\\valsvr08\ChromData\SMSB\20110819-5411.b\C4926.D		
Injection Date:	19-Aug-2011 12:08:30	Limit Group:	SMS - 1 - 8270 SIM Calibration
Client ID:		Instrument ID:	SMSB
Lims Batch ID:	85359	Lims Sample ID:	7
Operator ID:	wds	Injection Vol:	1.00 ul

74 Acenaphthene, Signal: 1, m/z: 154.0 Type: quant, RT: 6.14

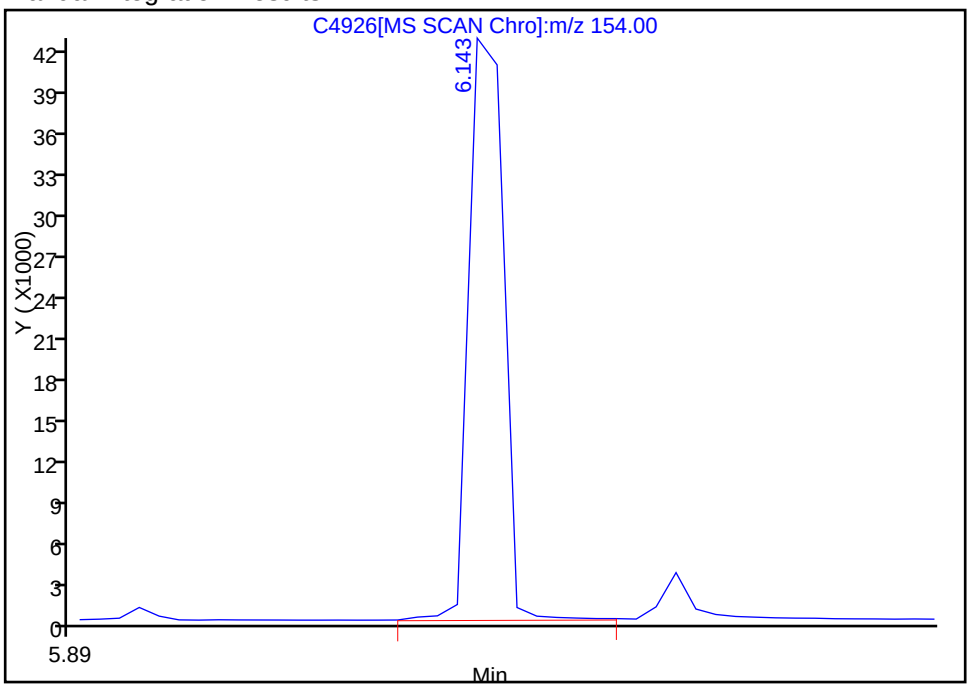
Processing Integration Results

Not Detected
Expected RT: 6.14



Manual Integration Results

RT: 6.14
Response: 64221
Amount: 20.272464



Reviewer: squiresb, 19-Aug-2011 13:51:02
Audit Action: Manually Integrated
Audit Reason: Assign Peak

Report Date: 19-Aug-2011 13:54:41 Chrom Revision: 1.2 13-Jul-2011 10:43:06

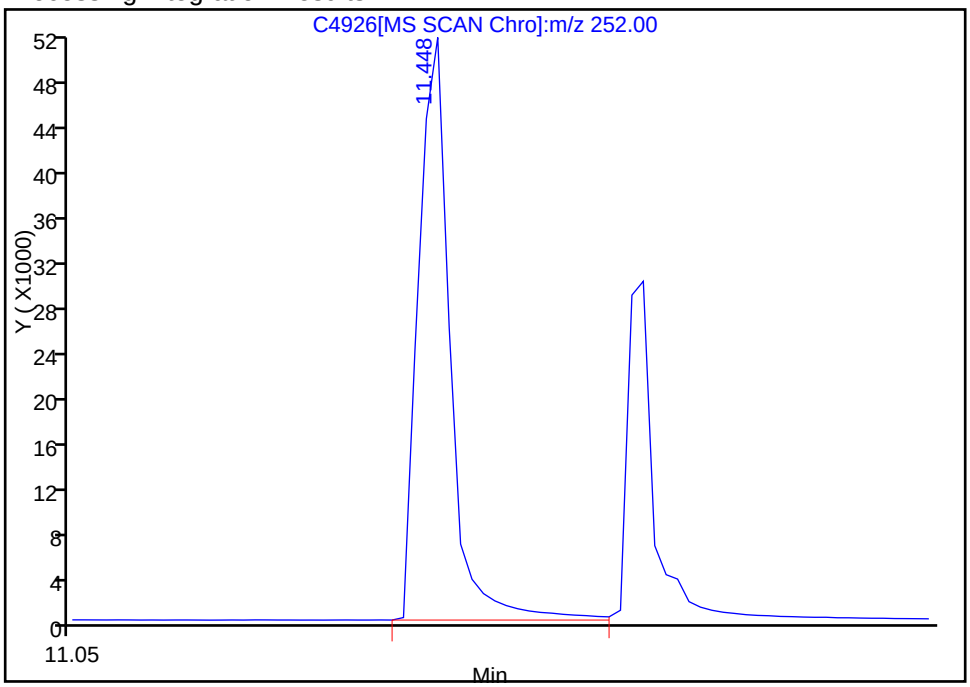
Manual Integration/User Assign Peak Report

Data File:	\\valsvr08\ChromData\SMSB\20110819-5411.b\C4926.D		
Injection Date:	19-Aug-2011 12:08:30	Limit Group:	SMS - 1 - 8270 SIM Calibration
Client ID:		Instrument ID:	SMSB
Lims Batch ID:	85359	Lims Sample ID:	7
Operator ID:	wds	Injection Vol:	1.00 ul

107 Benzo[k]fluoranthene, Signal: 1, m/z: 252.0 Type: quant, RT: 11.45

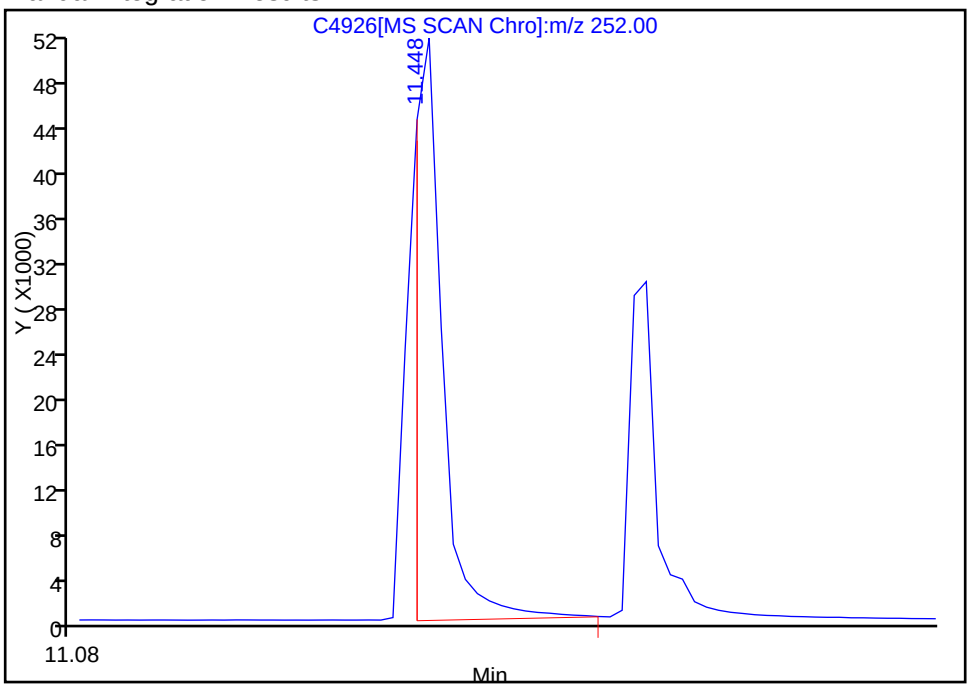
Processing Integration Results

RT: 11.45
Response: 122971
Amount: 20.611089



Manual Integration Results

RT: 11.45
Response: 103644
Amount: 25.165211



Reviewer: squiresb, 19-Aug-2011 13:51:02
Audit Action: Manually Integrated
Audit Reason: Assign Peak

Report Date: 19-Aug-2011 13:54:41 Chrom Revision: 1.2 13-Jul-2011 10:43:06

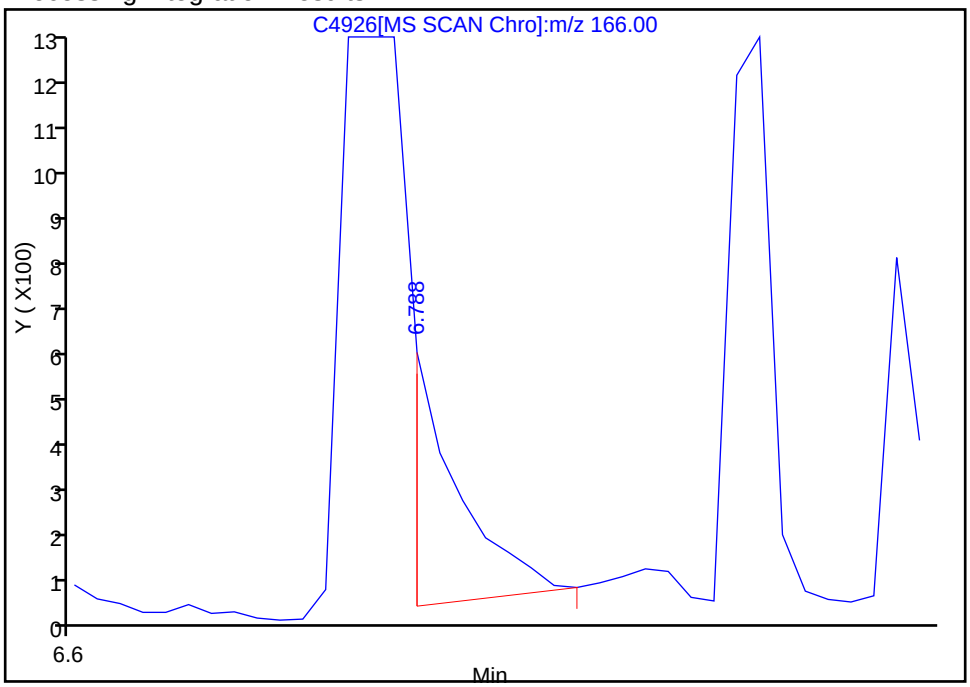
Manual Integration/User Assign Peak Report

Data File:	\\valsvr08\ChromData\SMSB\20110819-5411.b\C4926.D		
Injection Date:	19-Aug-2011 12:08:30	Limit Group:	SMS - 1 - 8270 SIM Calibration
Client ID:		Instrument ID:	SMSB
Lims Batch ID:	85359	Lims Sample ID:	7
Operator ID:	wds	Injection Vol:	1.00 ul

80 Fluorene, Signal: 1, m/z: 166.0 Type: quant, RT: 6.76

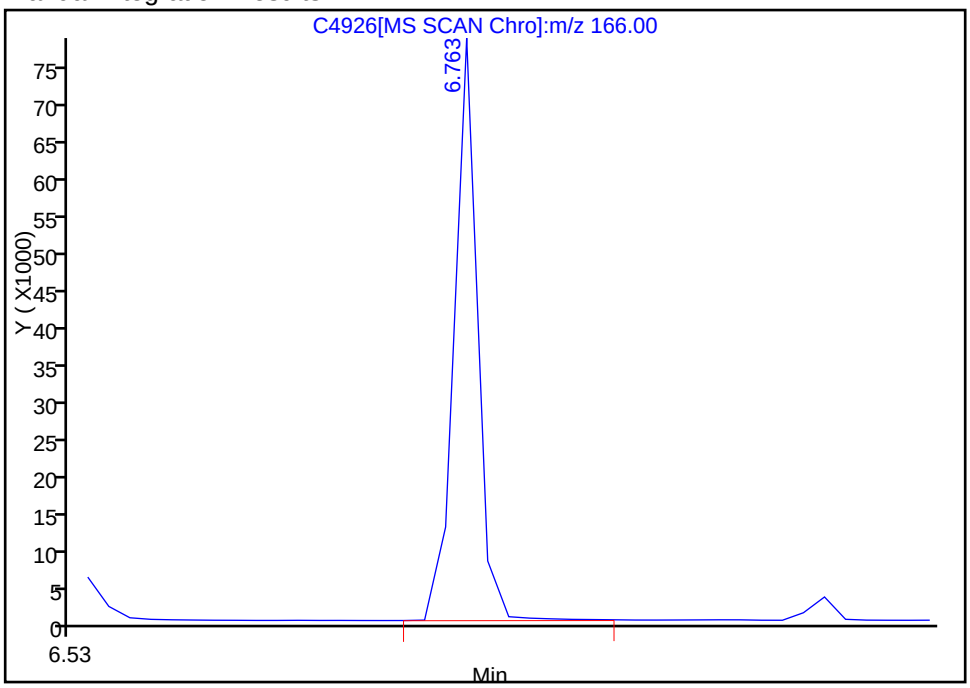
Processing Integration Results

RT: 6.79
Response: 916
Amount: 0.343391



Manual Integration Results

RT: 6.76
Response: 74995
Amount: 21.742699



Reviewer: squiresb, 19-Aug-2011 13:51:02
Audit Action: Manually Integrated
Audit Reason: Assign Peak

Report Date: 19-Aug-2011 13:54:41 Chrom Revision: 1.2 13-Jul-2011 10:43:06

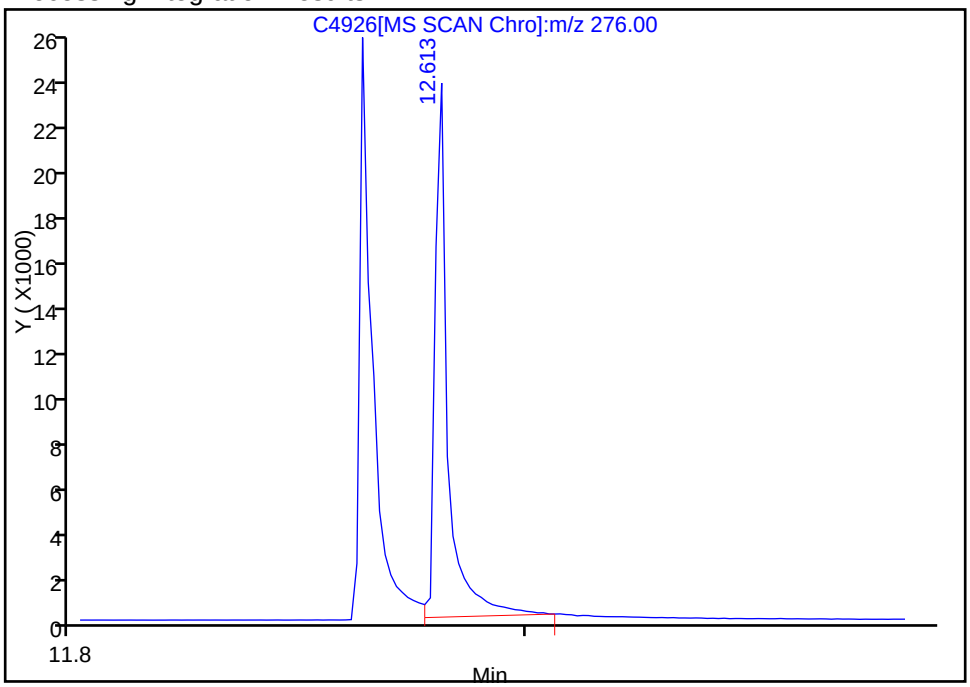
Manual Integration/User Assign Peak Report

Data File:	\\valsvr08\ChromData\SMSB\20110819-5411.b\C4926.D		
Injection Date:	19-Aug-2011 12:08:30	Limit Group:	SMS - 1 - 8270 SIM Calibration
Client ID:		Instrument ID:	SMSB
Lims Batch ID:	85359	Lims Sample ID:	7
Operator ID:	wds	Injection Vol:	1.00 ul

24 Benzo[g,h,i]perylene, Signal: 1, m/z: 276.0 Type: quant, RT: 12.61

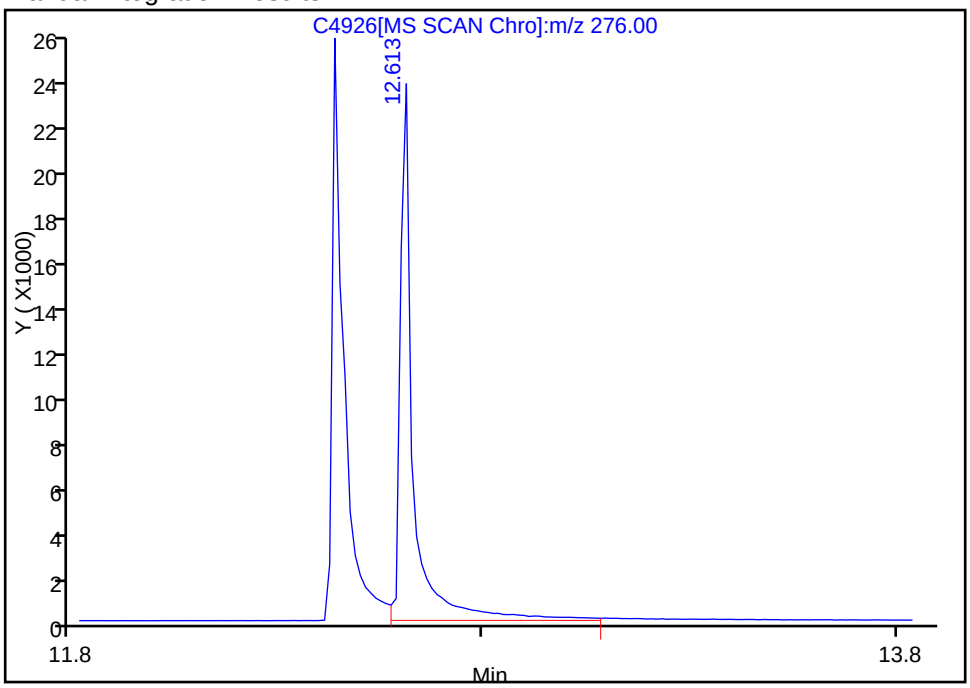
Processing Integration Results

RT: 12.61
Response: 46027
Amount: 18.760737



Manual Integration Results

RT: 12.61
Response: 51183
Amount: 20.693975



Reviewer: squiresb, 19-Aug-2011 13:51:02
Audit Action: Manually Integrated
Audit Reason: Assign Peak

TestAmerica Laboratories
Target Compound Quantitation Report

Data File:	\\valsvr08\ChromData\SMSB\20110819-5411.b\C4927.D		
Lims ID:	ic 040	Client ID:	
Inject. Date:	19-Aug-2011 12:29:30	Dil. Factor:	1.0000
Sample Type:	IC	Calib Level:	7
Sample ID:	SSTD 040		
Misc. Info.:	510-0005411-008 =510-0005411-008		
Operator:	wds	Instrument ID:	SMSB
Vol. Injected:	1.0000	ALS Bottle#:	8
Lims Batch ID:	85359	Lims Sample ID:	8
Sublist:	chrom-SIM-PNAB*sub12		
Detector:	MS SCAN		
Method:	\\valsvr08\ChromData\SMSB\20110819-5411.b\SIM-PNAB.m		
Last Update:	19-Aug-2011 13:54:44	Calib Date:	19-Aug-2011 12:50:30
Quant Method:	Internal Standard	Quant By:	Initial Calibration
Last ICal File:	\\valsvr08\ChromData\SMSB\20110819-5411.b\C4928.D		
Limit Group:	SMS - 1 - 8270 SIM Calibration		
Integrator:	RTE	ID Type:	RT Order ID
Process Host:	VAL-SMS-LAB1		

First Level Reviewer: squiresb Date: 19-Aug-2011 13:52:09

Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/ml	Ratio Range	Ratio	Flags
* 40 1,4-Dichlorobenzene-d4									
152	2.536	2.536	0.000	1	109374	40.0	70.0- 130.0	100.0	
115	2.536	2.536	0.000		60024		25.1- 85.1	54.9	
$ 49 Nitrobenzene-d5									
82	3.202	3.202	0.000	1	121283	40.1	70.0- 130.0	100.0	
128	3.202	3.202	0.000		68306		24.4- 84.4	56.3	
54	3.202	3.202	0.000		59525		18.1- 78.1	49.1	
* 57 Naphthalene-d8									
136	4.030	4.030	0.000	1	221442	40.0	70.0- 130.0	100.0	
58 Naphthalene									
128	4.052	4.052	0.000	0	285869	39.1	70.0- 130.0	100.0	
129	4.052	4.052	0.000		33623		0.0- 41.1	11.8	
127	4.052	4.052	0.000		36680		0.0- 42.4	12.8	
62 2-Methylnaphthalene									
142	4.890	4.890	0.000	1	175076	40.5	70.0- 130.0	100.0	
141	4.890	4.890	0.000		133541		51.2- 111.2	76.3	
115	4.890	4.890	0.000		69595		9.6- 69.6	39.8	
$ 66 2-Fluorobiphenyl									
172	5.374	5.374	0.000	1	199199	40.1			
71 Acenaphthylene									
152	5.945	5.945	0.000	1	249313	39.5	70.0- 130.0	100.0	
151	5.945	5.945	0.000		48317		0.0- 49.5	19.4	
* 73 Acenaphthene-d10									
164	6.118	6.118	0.000	1	102783	40.0	70.0- 130.0	100.0	
162	6.118	6.118	0.000		93178		60.5- 120.5	90.7	

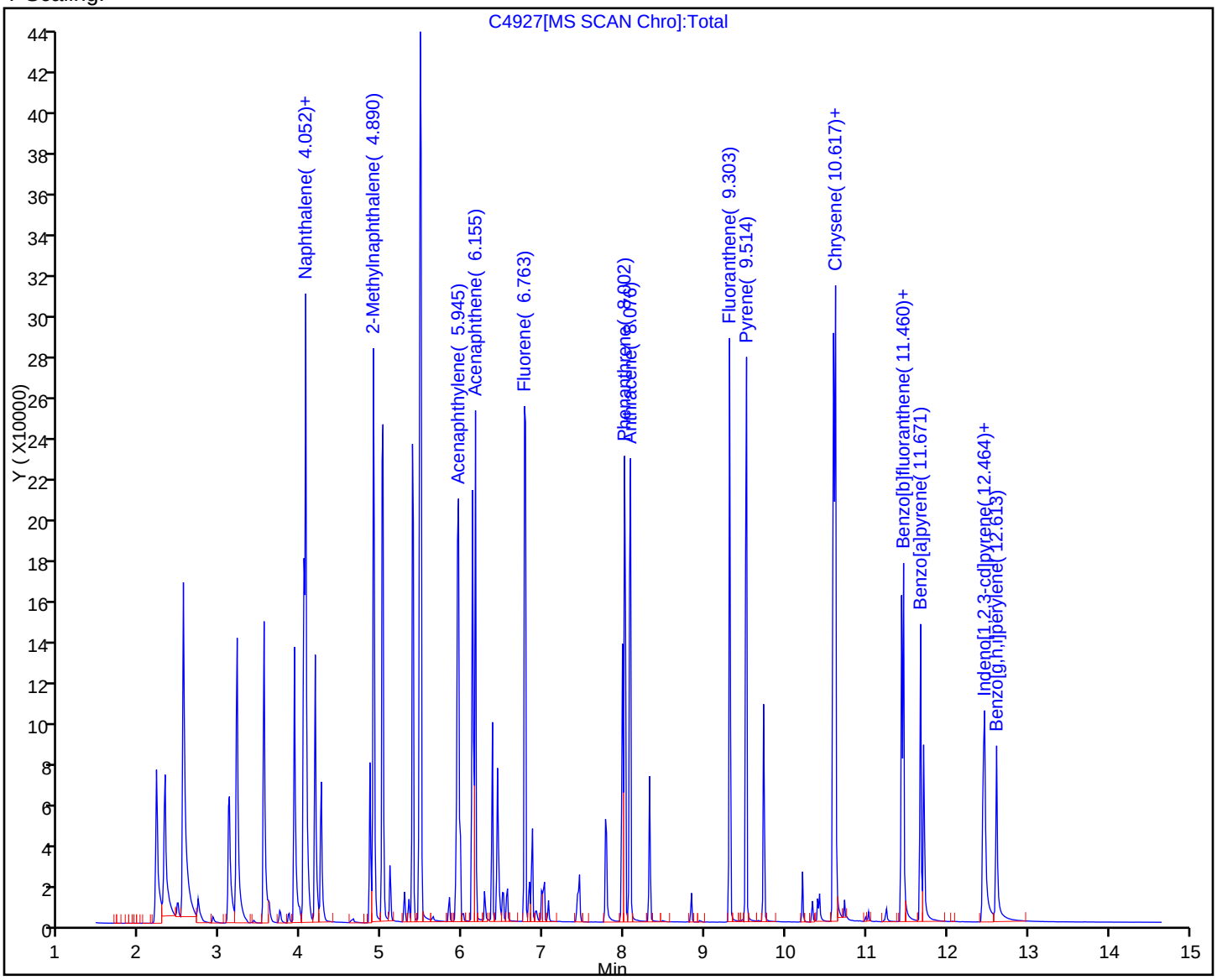
Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/ml	Ratio Range	Ratio	Flags
74 Acenaphthene									M
154	6.155	6.155	0.000	0	141516	40.3	70.0- 130.0	100.0	M
152	0.0	6.155	-6.155		0		25.6- 85.6		
153	0.0	6.155	-6.155		0		77.5- 137.5		
80 Fluorene									
166	6.775	6.775	0.000	7	167991	43.9	70.0- 130.0	100.0	
165	6.763	6.775	-0.012		145400		58.7- 118.7	86.6	
* 90 Phenanthrene-d10									
188	7.977	7.977	0.000	1	147039	40.0	70.0- 130.0	100.0	
91 Phenanthrene									
178	8.002	8.002	0.000	1	209888	40.8	70.0- 130.0	100.0	
179	8.002	8.002	0.000		35214		0.0- 45.5	16.8	
92 Anthracene									
178	8.076	8.076	0.000	1	223885	43.0	70.0- 130.0	100.0	
179	8.076	8.076	0.000		37715		0.0- 44.6	16.8	
95 Fluoranthene									
202	9.303	9.303	0.000	3	185774	36.8	70.0- 130.0	100.0	
101	9.303	9.303	0.000		33017		0.0- 43.7	17.8	
203	9.303	9.303	0.000		36166		0.0- 47.7	19.5	
97 Pyrene									
202	9.514	9.514	0.000	17	214757	49.9	70.0- 130.0	100.0	
101	9.502	9.514	-0.012		34767		0.0- 47.5	16.2	
$ 98 Terphenyl-d14									
244	9.725	9.725	0.000	1	77354	45.8	70.0- 130.0	100.0	
122	9.725	9.725	0.000		20251		0.0- 51.2	26.2	
101 Benzo[a]anthracene									
228	10.592	10.592	0.000	1	161367	46.3	70.0- 130.0	100.0	
229	10.592	10.592	0.000		33377		0.0- 57.4	20.7	
226	10.592	10.592	0.000		45554		0.0- 56.2	28.2	
* 103 Chrysene-d12									
240	10.592	10.592	0.000	1	86207	40.0	70.0- 130.0	100.0	
104 Chrysene									M
228	10.617	10.617	0.000	1	160823	39.5	70.0- 130.0	100.0	M
226	10.617	10.617	0.000		47475		0.0- 54.2	29.5	
229	10.617	10.617	0.000		31768		0.0- 42.1	19.8	
106 Benzo[b]fluoranthene									M
252	11.435	11.435	0.000	1	149166	49.6	70.0- 130.0	100.0	M
253	11.460	11.435	0.025		64179		15.4- 75.4	43.0	
107 Benzo[k]fluoranthene									M
252	11.460	11.460	0.000	1	165667	39.8	70.0- 130.0	100.0	M
253	11.460	11.460	0.000		64179		1.9- 61.9	38.7	
108 Benzo[a]pyrene									
252	11.671	11.671	0.000	1	124803	45.7	70.0- 130.0	100.0	
253	11.671	11.671	0.000		28672		0.0- 55.1	23.0	

Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/ml	Ratio Range	Ratio	Flags
* 109 Perylene-d12									
264	11.708	11.708	0.000	1	78878	40.0	70.0- 130.0	100.0	
110 Indeno[1,2,3-cd]pyrene									
276	12.452	12.452	0.000	1	113502	41.5	70.0- 130.0	100.0	
138	12.439	12.452	-0.013		40799		5.1- 65.1	35.9	
111 Dibenz(a,h)anthracene									M
278	12.464	12.464	0.000	1	100571	44.3	70.0- 130.0	100.0	M
139	12.452	12.464	-0.012		18925		0.0- 48.5	18.8	
24 Benzo[g,h,i]perylene									M
276	12.613	12.613	0.000	1	106798	42.7	70.0- 130.0	100.0	M
138	12.600	12.613	-0.013		30441		0.0- 54.9	28.5	

QC Flag Legend

Review Flags
M - Manually Integrated

Report Date: 19-Aug-2011 13:54:44 Chrom Revision: 1.2 13-Jul-2011 10:43:06
Data File: \\valsvr08\ChromData\SMSB\20110819-5411.b\C4927.D
Injection Date: 19-Aug-2011 12:29:30 Limit Group: SMS - 1 - 8270 SIM Calibration
Client ID: Instrument ID: SMSB
Lims Batch ID: 85359 Lims Sample ID: 8
Operator ID: wds Injection Vol: 1.00 ul
Y Scaling:



Report Date: 19-Aug-2011 13:54:44 Chrom Revision: 1.2 13-Jul-2011 10:43:06

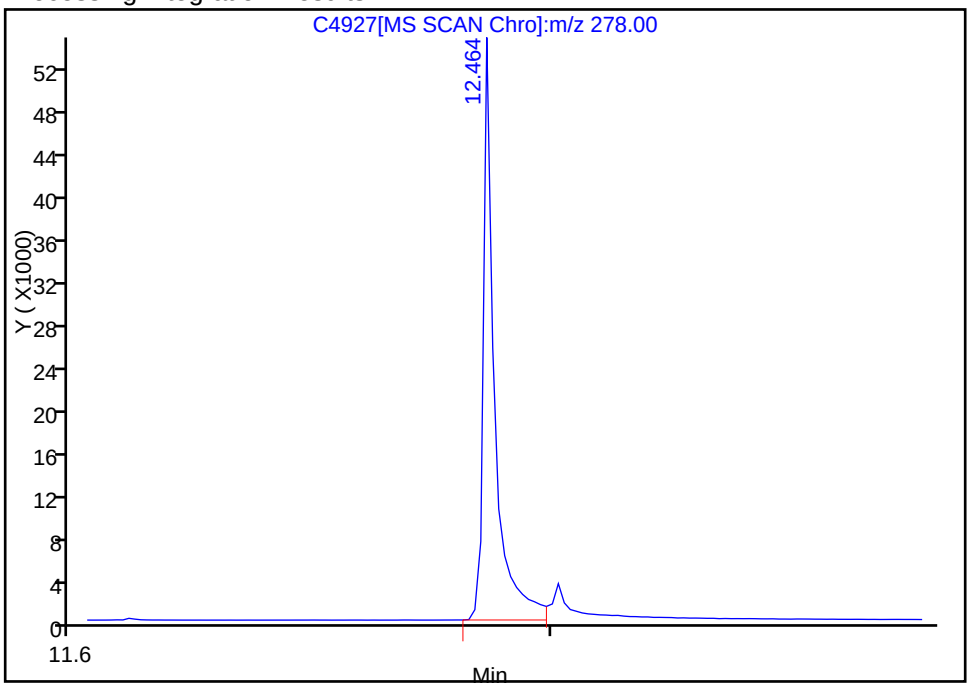
Manual Integration/User Assign Peak Report

Data File:	\\valsvr08\ChromData\SMSB\20110819-5411.b\C4927.D		
Injection Date:	19-Aug-2011 12:29:30	Limit Group:	SMS - 1 - 8270 SIM Calibration
Client ID:		Instrument ID:	SMSB
Lims Batch ID:	85359	Lims Sample ID:	8
Operator ID:	wds	Injection Vol:	1.00 ul

111 Dibenz(a,h)anthracene, Signal: 1, m/z: 278.0 Type: quant, RT: 12.46

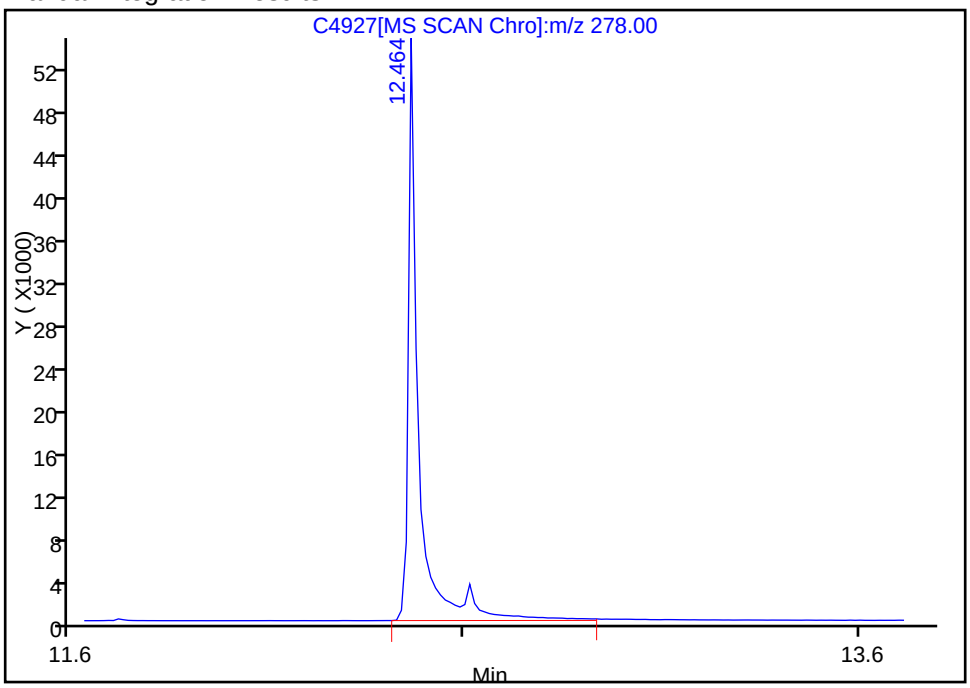
Processing Integration Results

RT: 12.46
Response: 89247
Amount: 40.710461



Manual Integration Results

RT: 12.46
Response: 100571
Amount: 44.262415



Reviewer: squiresb, 19-Aug-2011 13:52:09
Audit Action: Manually Integrated
Audit Reason: Assign Peak

Report Date: 19-Aug-2011 13:54:44 Chrom Revision: 1.2 13-Jul-2011 10:43:06

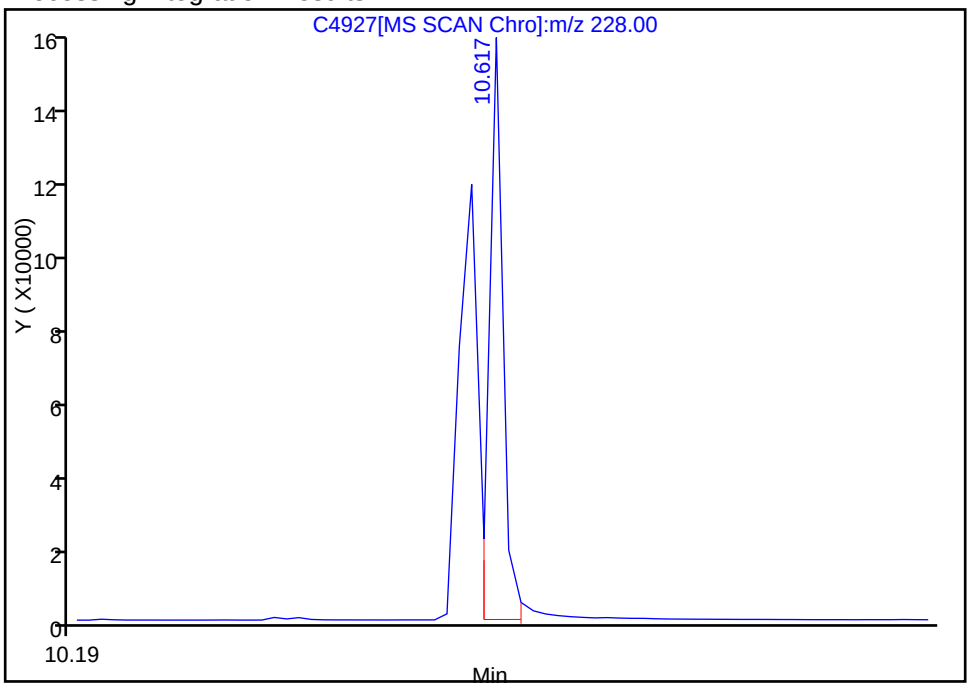
Manual Integration/User Assign Peak Report

Data File:	\\valsvr08\ChromData\SMSB\20110819-5411.b\C4927.D		
Injection Date:	19-Aug-2011 12:29:30	Limit Group:	SMS - 1 - 8270 SIM Calibration
Client ID:		Instrument ID:	SMSB
Lims Batch ID:	85359	Lims Sample ID:	8
Operator ID:	wds	Injection Vol:	1.00 ul

104 Chrysene, Signal: 1, m/z: 228.0 Type: quant, RT: 10.62

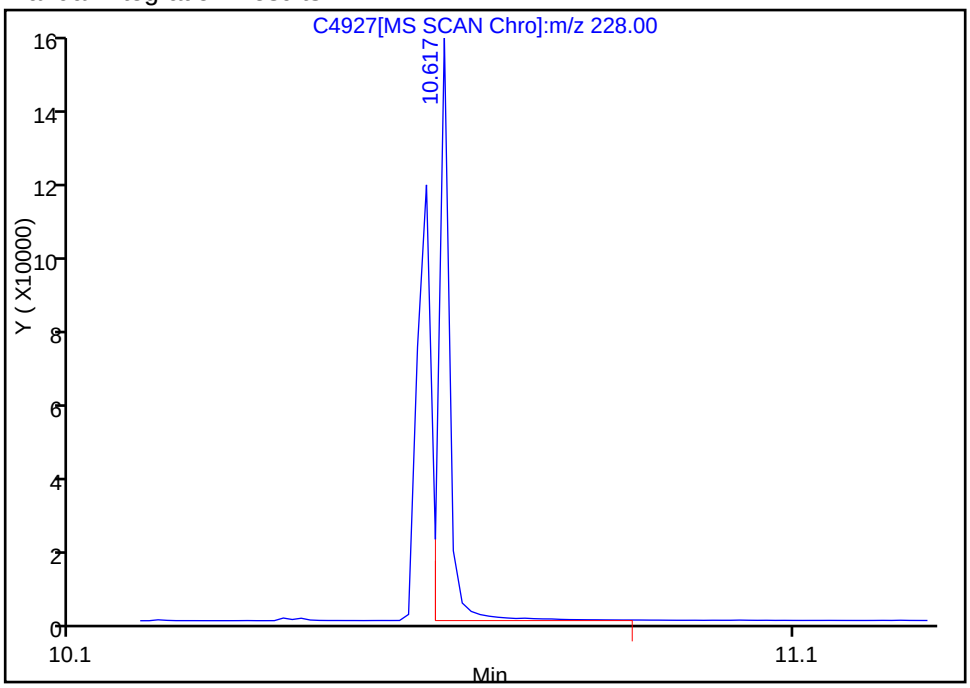
Processing Integration Results

RT: 10.62
Response: 151855
Amount: 37.701619



Manual Integration Results

RT: 10.62
Response: 160823
Amount: 39.494715



Reviewer: squiresb, 19-Aug-2011 13:52:09
Audit Action: Manually Integrated
Audit Reason: Assign Peak

Report Date: 19-Aug-2011 13:54:44 Chrom Revision: 1.2 13-Jul-2011 10:43:06

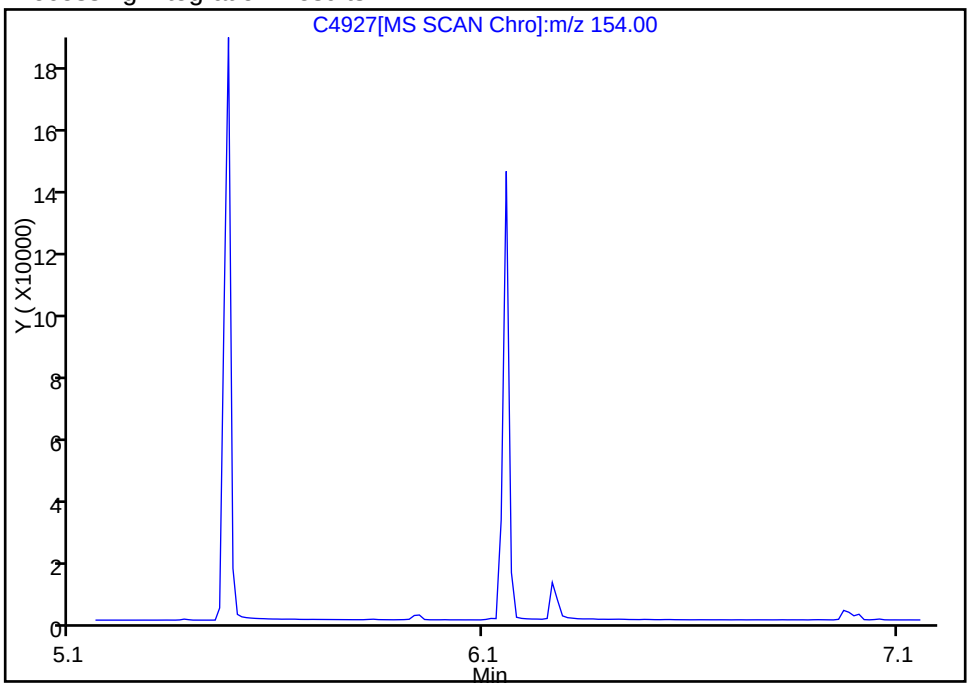
Manual Integration/User Assign Peak Report

Data File:	\\valsvr08\ChromData\SMSB\20110819-5411.b\C4927.D		
Injection Date:	19-Aug-2011 12:29:30	Limit Group:	SMS - 1 - 8270 SIM Calibration
Client ID:		Instrument ID:	SMSB
Lims Batch ID:	85359	Lims Sample ID:	8
Operator ID:	wds	Injection Vol:	1.00 ul

74 Acenaphthene, Signal: 1, m/z: 154.0 Type: quant, RT: 6.16

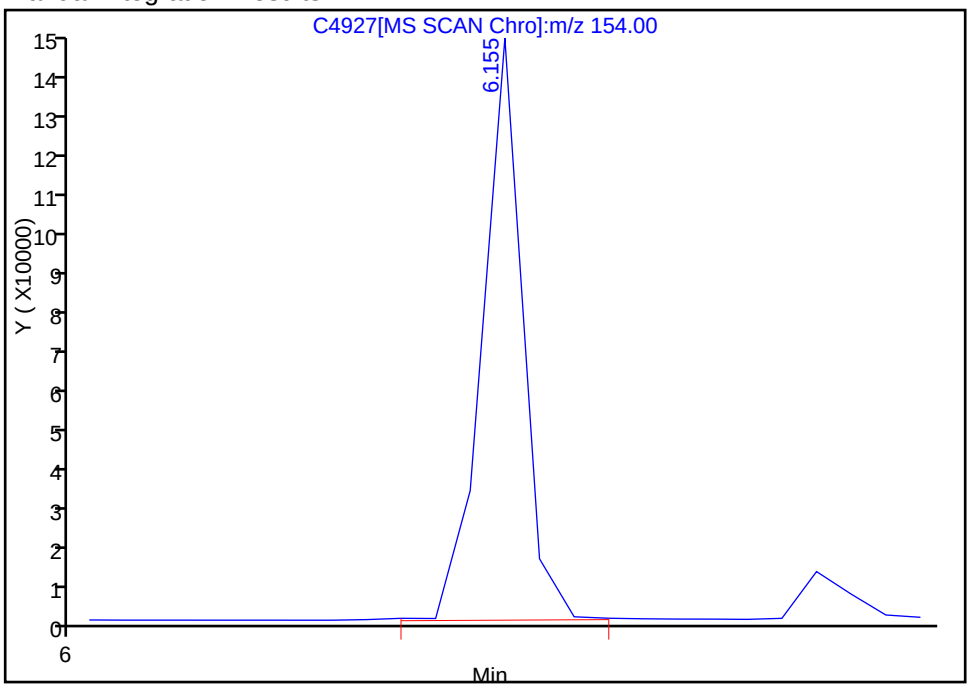
Not Detected
Expected RT: 6.16

Processing Integration Results



Manual Integration Results

RT: 6.16
Response: 141516
Amount: 40.268785



Reviewer: squiresb, 19-Aug-2011 13:52:09
Audit Action: Manually Integrated
Audit Reason: Assign Peak

Report Date: 19-Aug-2011 13:54:44 Chrom Revision: 1.2 13-Jul-2011 10:43:06

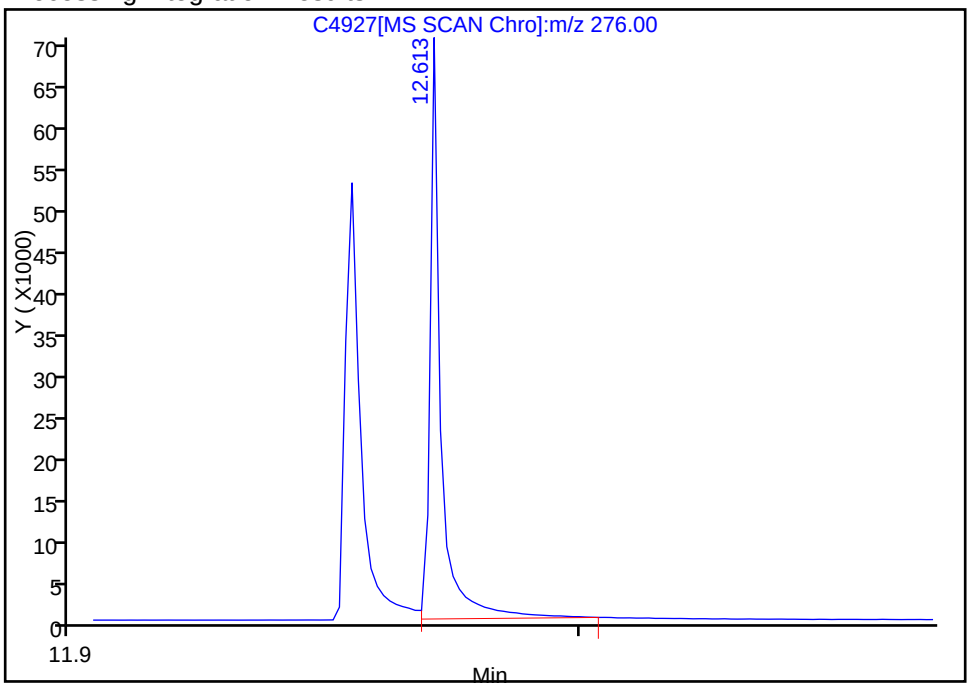
Manual Integration/User Assign Peak Report

Data File:	\\valsvr08\ChromData\SMSB\20110819-5411.b\C4927.D		
Injection Date:	19-Aug-2011 12:29:30	Limit Group:	SMS - 1 - 8270 SIM Calibration
Client ID:		Instrument ID:	SMSB
Lims Batch ID:	85359	Lims Sample ID:	8
Operator ID:	wds	Injection Vol:	1.00 ul

24 Benzo[g,h,i]perylene, Signal: 1, m/z: 276.0 Type: quant, RT: 12.61

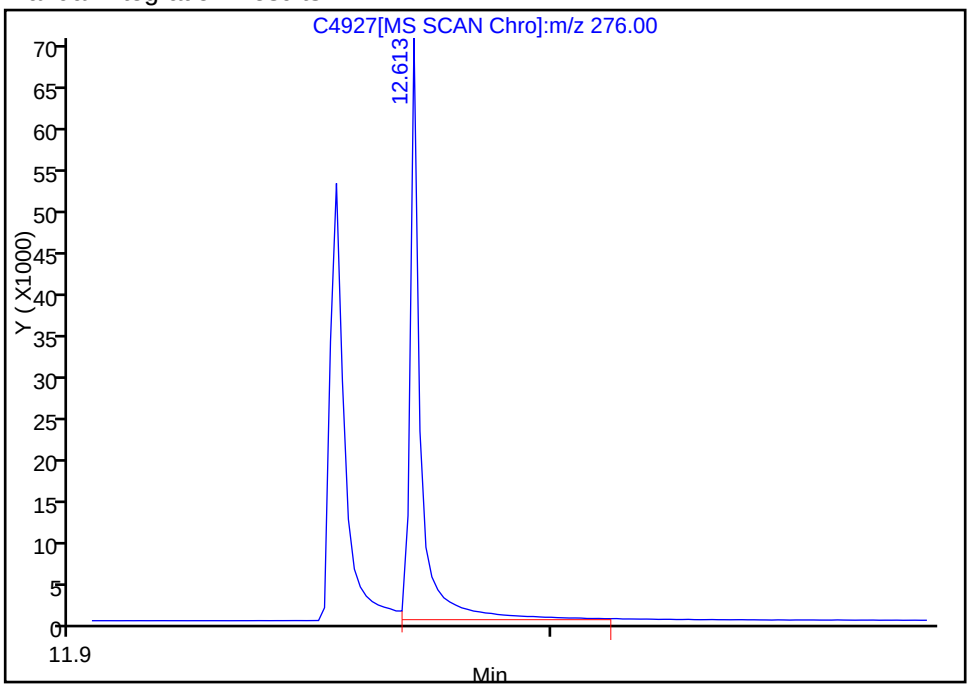
Processing Integration Results

RT: 12.61
Response: 103819
Amount: 41.340435



Manual Integration Results

RT: 12.61
Response: 106798
Amount: 42.737547



Reviewer: squiresb, 19-Aug-2011 13:52:09
Audit Action: Manually Integrated
Audit Reason: Assign Peak

Report Date: 19-Aug-2011 13:54:44 Chrom Revision: 1.2 13-Jul-2011 10:43:06

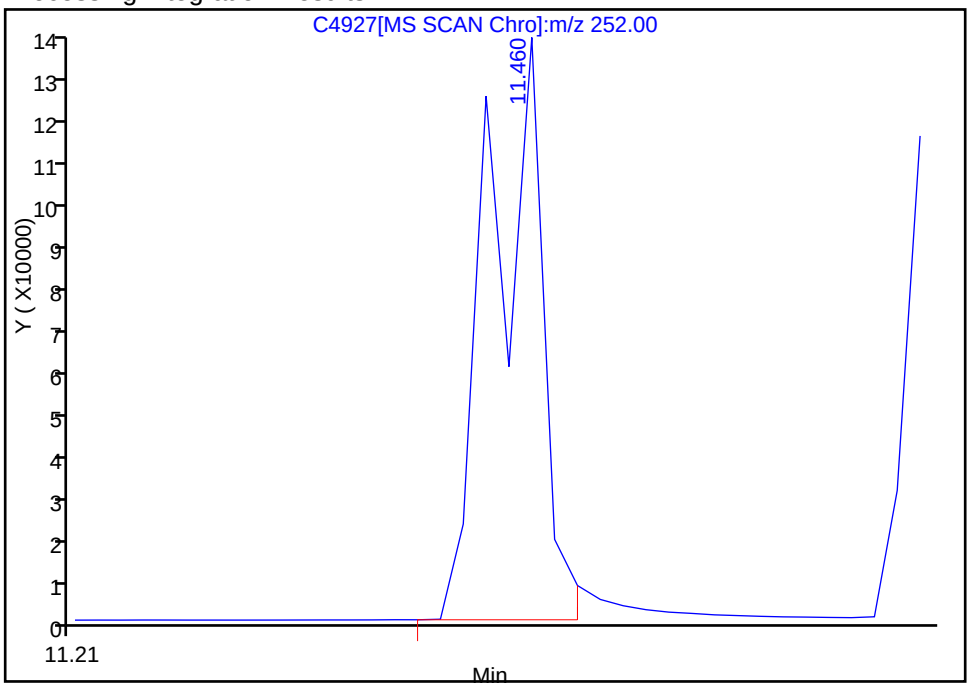
Manual Integration/User Assign Peak Report

Data File:	\\valsvr08\ChromData\SMSB\20110819-5411.b\C4927.D		
Injection Date:	19-Aug-2011 12:29:30	Limit Group:	SMS - 1 - 8270 SIM Calibration
Client ID:		Instrument ID:	SMSB
Lims Batch ID:	85359	Lims Sample ID:	8
Operator ID:	wds	Injection Vol:	1.00 ul

107 Benzo[k]fluoranthene, Signal: 1, m/z: 252.0 Type: quant, RT: 11.46

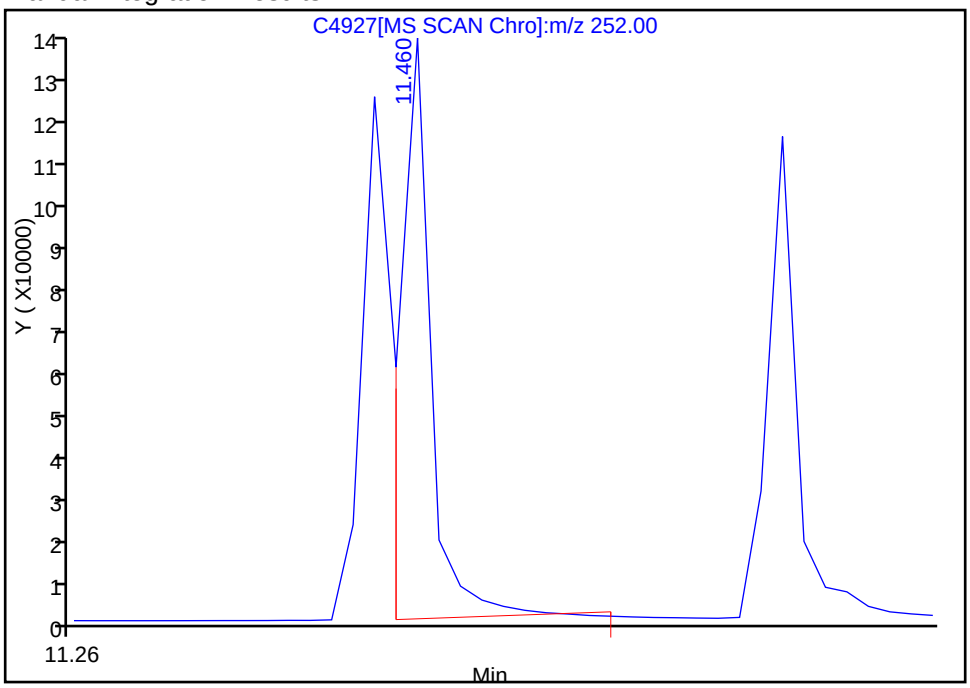
Processing Integration Results

RT: 11.46
Response: 269267
Amount: 44.356621



Manual Integration Results

RT: 11.46
Response: 165667
Amount: 39.812615



Reviewer: squiresb, 19-Aug-2011 13:52:09
Audit Action: Manually Integrated
Audit Reason: Assign Peak

Report Date: 19-Aug-2011 13:54:44 Chrom Revision: 1.2 13-Jul-2011 10:43:06

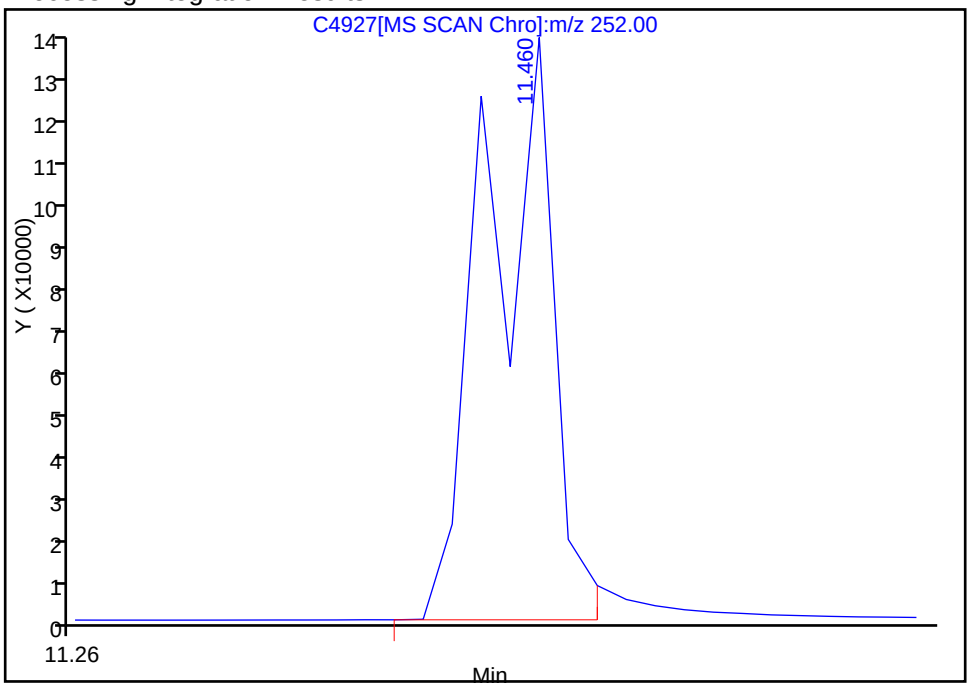
Manual Integration/User Assign Peak Report

Data File:	\\valsvr08\ChromData\SMSB\20110819-5411.b\C4927.D		
Injection Date:	19-Aug-2011 12:29:30	Limit Group:	SMS - 1 - 8270 SIM Calibration
Client ID:		Instrument ID:	SMSB
Lims Batch ID:	85359	Lims Sample ID:	8
Operator ID:	wds	Injection Vol:	1.00 ul

106 Benzo[b]fluoranthene, Signal: 1, m/z: 252.0 Type: quant, RT: 11.44

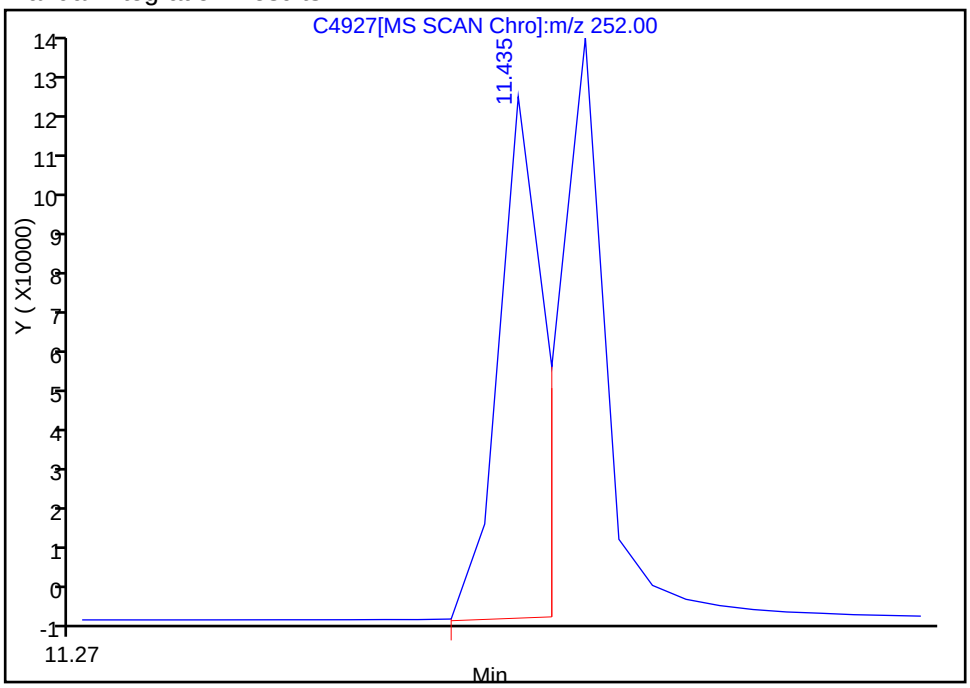
Processing Integration Results

RT: 11.46
Response: 269267
Amount: 74.224939



Manual Integration Results

RT: 11.44
Response: 149166
Amount: 49.584896



Reviewer: squiresb, 19-Aug-2011 13:52:09
Audit Action: Manually Integrated
Audit Reason: Assign Peak

TestAmerica Laboratories
Target Compound Quantitation Report

Data File:	\\valsvr08\ChromData\SMSB\20110819-5411.b\C4928.D		
Lims ID:	ic 080	Client ID:	
Inject. Date:	19-Aug-2011 12:50:30	Dil. Factor:	1.0000
Sample Type:	IC	Calib Level:	8
Sample ID:	SSTD 080		
Misc. Info.:	510-0005411-009 =510-0005411-009		
Operator:	wds	Instrument ID:	SMSB
Vol. Injected:	1.0000	ALS Bottle#:	9
Lims Batch ID:	85359	Lims Sample ID:	9
Sublist:	chrom-SIM-PNAB*sub12		
Detector:	MS SCAN		
Method:	\\valsvr08\ChromData\SMSB\20110819-5411.b\SIM-PNAB.m		
Last Update:	19-Aug-2011 13:54:46	Calib Date:	19-Aug-2011 12:50:30
Quant Method:	Internal Standard	Quant By:	Initial Calibration
Last ICal File:	\\valsvr08\ChromData\SMSB\20110819-5411.b\C4928.D		
Limit Group:	SMS - 1 - 8270 SIM Calibration		
Integrator:	RTE	ID Type:	RT Order ID
Process Host:	VAL-SMS-LAB1		

First Level Reviewer: squiresb Date: 19-Aug-2011 13:53:58

Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/ml	Ratio Range	Ratio	Flags
* 40 1,4-Dichlorobenzene-d4									
152	2.533	2.536	-0.003	1	105321	40.0	70.0- 130.0	100.0	
115	2.533	2.536	-0.003		58640		25.1- 85.1	55.7	
$ 49 Nitrobenzene-d5									
82	3.210	3.192	0.018	1	222488	76.7	70.0- 130.0	100.0	
128	3.210	3.192	0.018		127393		24.4- 84.4	57.3	
54	3.210	3.192	0.018		110873		18.1- 78.1	49.8	
* 57 Naphthalene-d8									
136	4.027	4.019	0.008	1	212315	40.0	70.0- 130.0	100.0	
58 Naphthalene									
128	4.059	4.052	0.007	0	513469	73.2	70.0- 130.0	100.0	
129	4.059	4.052	0.007		63961		0.0- 41.1	12.5	
127	4.059	4.052	0.007		68613		0.0- 42.4	13.4	
62 2-Methylnaphthalene									
142	4.898	4.890	0.008	1	317115	76.6	70.0- 130.0	100.0	
141	4.898	4.890	0.008		234539		51.2- 111.2	74.0	
115	4.898	4.890	0.008		132186		9.6- 69.6	41.7	
$ 66 2-Fluorobiphenyl									
172	5.382	5.374	0.008	1	358149	65.4			
71 Acenaphthylene									M
152	5.944	5.933	0.011	1	403024	57.9	70.0- 130.0	100.0	M
151	5.382	5.933	-0.551		22033		0.0- 49.5	5.5	
* 73 Acenaphthene-d10									
164	5.479	6.118	-0.639	1	113394	40.0	70.0- 130.0	100.0	
162	5.468	6.118	-0.650		305192		60.5- 120.5	269.1	

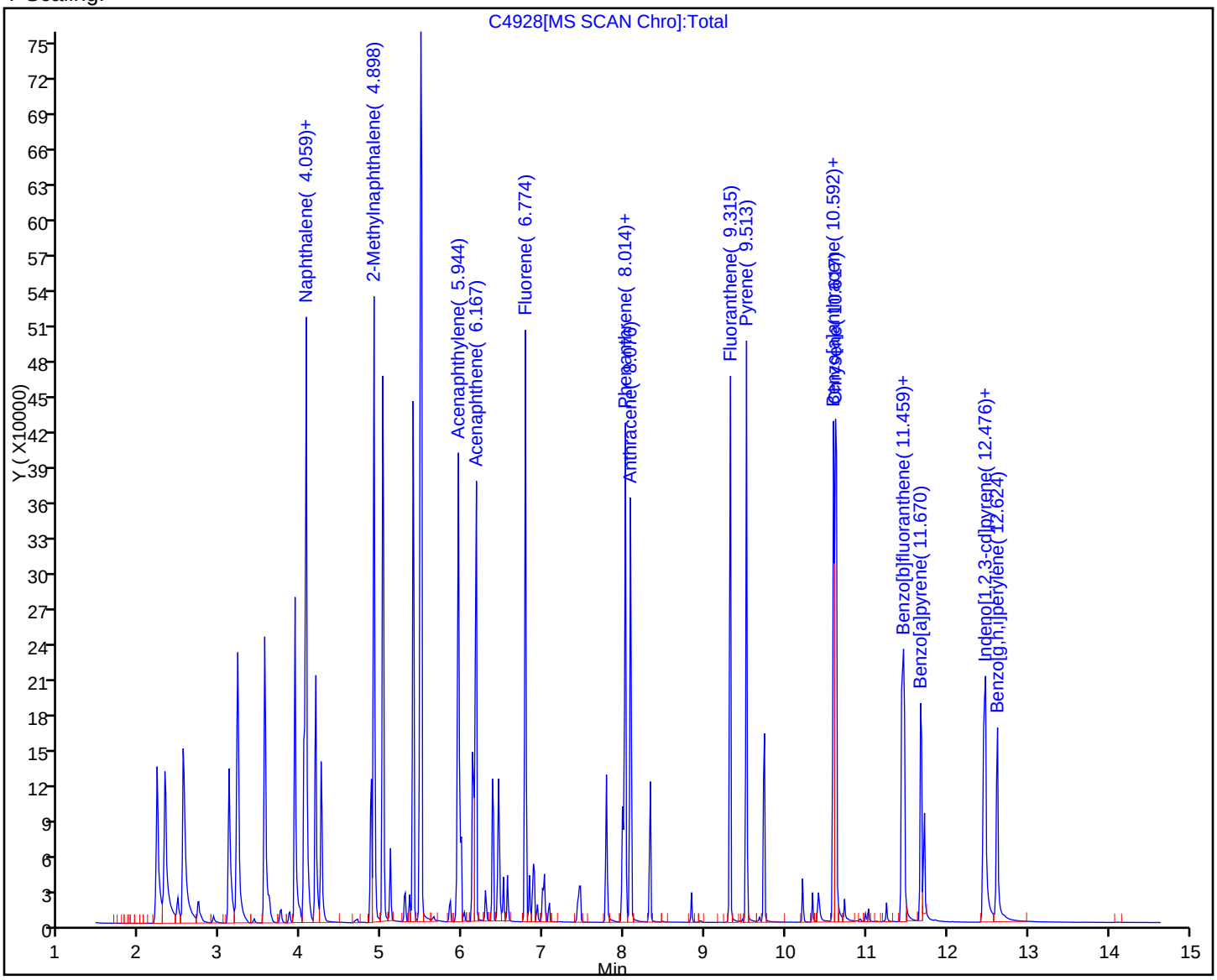
Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/ml	Ratio Range	Ratio	Flags
74 Acenaphthene									M
154	6.167	6.143	0.024	0	271459	70.0	70.0- 130.0	100.0	M
152	5.490	6.143	-0.653		101448		25.6- 85.6	37.4	
153	5.490	6.143	-0.653		141866		77.5- 137.5	52.3	
80 Fluorene									M
166	6.774	6.763	0.011	1	250378	59.3	70.0- 130.0	100.0	M
165	6.117	6.763	-0.646		12558		58.7- 118.7	5.0	
* 90 Phenanthrene-d10									
188	7.977	7.978	-0.001	1	123612	40.0	70.0- 130.0	100.0	
91 Phenanthrene									
178	8.014	8.002	0.012	1	330768	76.4	70.0- 130.0	100.0	
179	8.014	8.002	0.012		57262		0.0- 45.5	17.3	
92 Anthracene									
178	8.076	8.064	0.012	1	330387	75.4	70.0- 130.0	100.0	
179	8.076	8.064	0.012		57471		0.0- 44.6	17.4	
95 Fluoranthene									
202	9.315	9.304	0.011	1	341316	80.5	70.0- 130.0	100.0	
101	9.303	9.304	-0.001		44185		0.0- 43.7	12.9	
203	9.315	9.304	0.011		69090		0.0- 47.7	20.2	
97 Pyrene									
202	9.513	9.502	0.011	19	298988	63.1	70.0- 130.0	100.0	
101	9.513	9.502	0.011		63118		0.0- 47.5	21.1	
$ 98 Terphenyl-d14									
244	9.737	9.725	0.012	1	143422	77.0	70.0- 130.0	100.0	
122	9.724	9.725	-0.001		30689		0.0- 51.2	21.4	
101 Benzo[a]anthracene									
228	10.592	10.580	0.012	1	263668	68.6	70.0- 130.0	100.0	
229	10.592	10.580	0.012		57069		0.0- 57.4	21.6	
226	10.592	10.580	0.012		74165		0.0- 56.2	28.1	
* 103 Chrysene-d12									
240	10.604	10.593	0.011	1	94989	40.0	70.0- 130.0	100.0	
104 Chrysene									M
228	10.629	10.618	0.011	1	328528	73.2	70.0- 130.0	100.0	M
226	10.629	10.618	0.011		95247		0.0- 54.2	29.0	
229	10.629	10.618	0.011		69760		0.0- 42.1	21.2	
106 Benzo[b]fluoranthene									M
252	11.447	11.436	0.011	1	237956	73.0	70.0- 130.0	100.0	M
253	11.447	11.436	0.011		119841		15.4- 75.4	50.4	
107 Benzo[k]fluoranthene									M
252	11.459	11.448	0.011	1	387032	85.9	70.0- 130.0	100.0	M
253	11.447	11.448	-0.001		119841		1.9- 61.9	31.0	
108 Benzo[a]pyrene									
252	11.670	11.671	-0.001	1	229632	77.6	70.0- 130.0	100.0	
253	11.670	11.671	-0.001		54986		0.0- 55.1	23.9	

Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/ml	Ratio Range	Ratio	Flags
* 109 Perylene-d12									M
264	11.720	11.708	0.012	1	85420	40.0	70.0- 130.0	100.0	M
110 Indeno[1,2,3-cd]pyrene									
276	12.451	12.440	0.011	1	237628	79.5	70.0- 130.0	100.0	
138	12.451	12.440	0.011		84344		5.1- 65.1	35.5	
111 Dibenz(a,h)anthracene									M
278	12.476	12.464	0.012	1	216812	87.9	70.0- 130.0	100.0	M
139	12.463	12.464	-0.001		44713		0.0- 48.5	20.6	
24 Benzo[g,h,i]perylene									
276	12.624	12.613	0.011	1	220481	81.5	70.0- 130.0	100.0	
138	12.612	12.613	-0.001		64132		0.0- 54.9	29.1	

QC Flag Legend

Review Flags
M - Manually Integrated

Report Date: 19-Aug-2011 13:54:46 Chrom Revision: 1.2 13-Jul-2011 10:43:06
Data File: \\valsvr08\ChromData\SMSB\20110819-5411.b\C4928.D
Injection Date: 19-Aug-2011 12:50:30 Limit Group: SMS - 1 - 8270 SIM Calibration
Client ID: Instrument ID: SMSB
Lims Batch ID: 85359 Lims Sample ID: 9
Operator ID: wds Injection Vol: 1.00 ul
Y Scaling:



Report Date: 19-Aug-2011 13:54:46 Chrom Revision: 1.2 13-Jul-2011 10:43:06

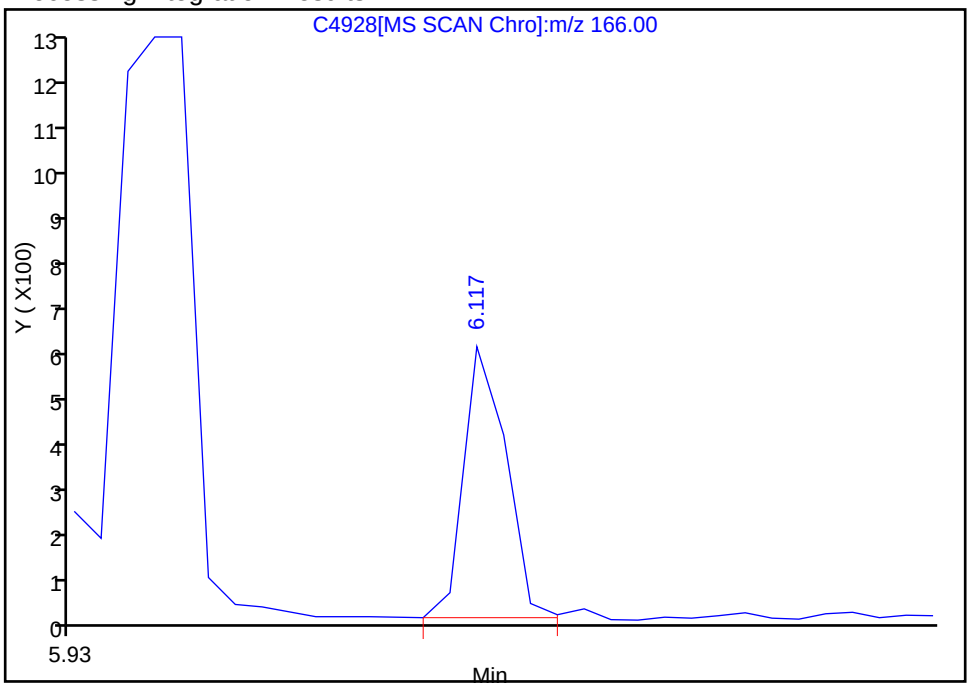
Manual Integration/User Assign Peak Report

Data File:	\\valsvr08\ChromData\SMSB\20110819-5411.b\C4928.D		
Injection Date:	19-Aug-2011 12:50:30	Limit Group:	SMS - 1 - 8270 SIM Calibration
Client ID:		Instrument ID:	SMSB
Lims Batch ID:	85359	Lims Sample ID:	9
Operator ID:	wds	Injection Vol:	1.00 ul

80 Fluorene, Signal: 1, m/z: 166.0 Type: quant, RT: 6.76

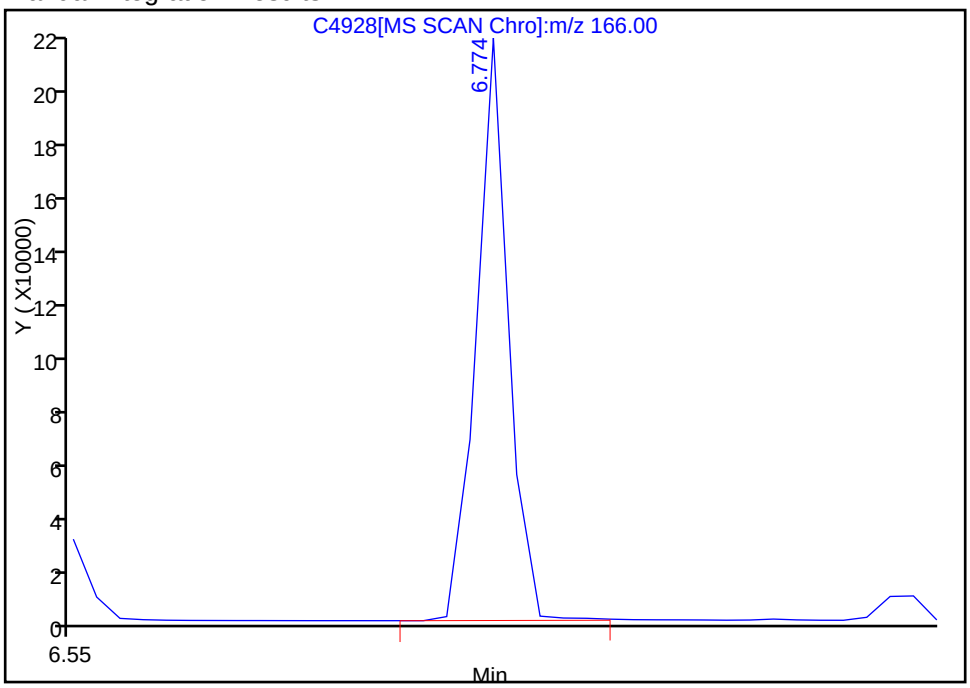
Processing Integration Results

RT: 6.12
Response: 753
Amount: 0.196537



Manual Integration Results

RT: 6.77
Response: 250378
Amount: 59.311926



Reviewer: squiresb, 19-Aug-2011 13:53:58
Audit Action: Manually Integrated
Audit Reason: Assign Peak

Report Date: 19-Aug-2011 13:54:46 Chrom Revision: 1.2 13-Jul-2011 10:43:06

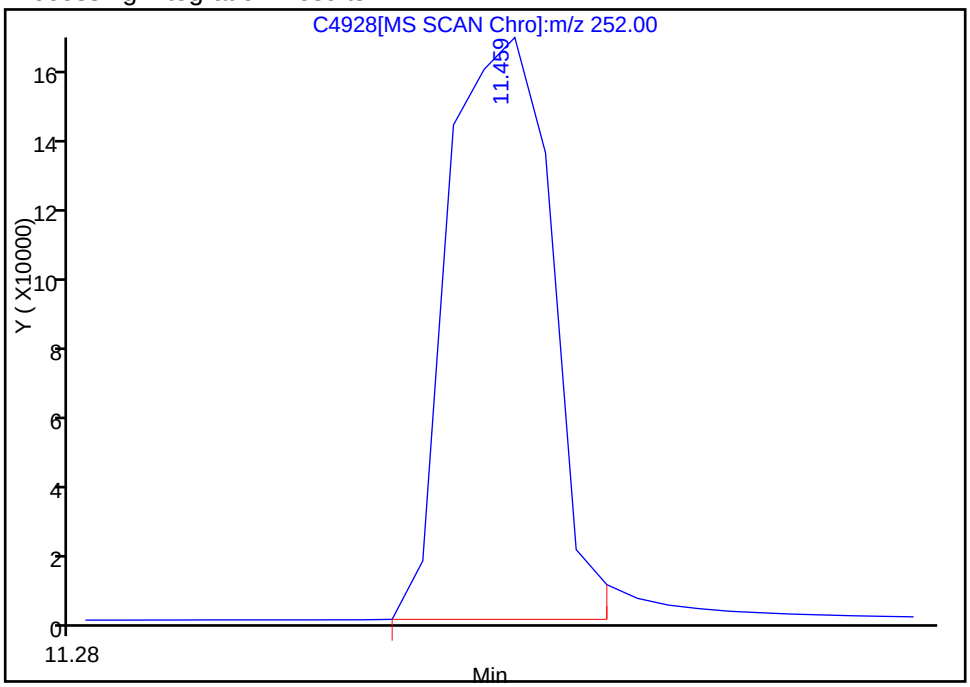
Manual Integration/User Assign Peak Report

Data File:	\\valsvr08\ChromData\SMSB\20110819-5411.b\C4928.D		
Injection Date:	19-Aug-2011 12:50:30	Limit Group:	SMS - 1 - 8270 SIM Calibration
Client ID:		Instrument ID:	SMSB
Lims Batch ID:	85359	Lims Sample ID:	9
Operator ID:	wds	Injection Vol:	1.00 ul

106 Benzo[b]fluoranthene, Signal: 1, m/z: 252.0 Type: quant, RT: 11.44

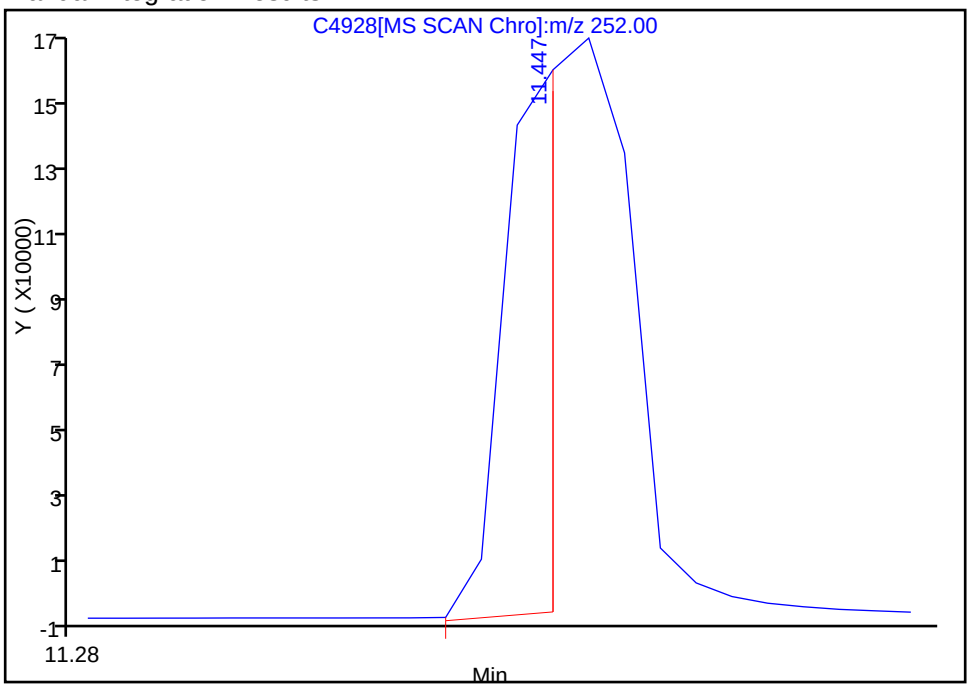
Processing Integration Results

RT: 11.46
Response: 488597
Amount: 80.038863



Manual Integration Results

RT: 11.45
Response: 237956
Amount: 73.041981



Reviewer: squiresb, 19-Aug-2011 13:53:58
Audit Action: Manually Integrated
Audit Reason: Assign Peak

Report Date: 19-Aug-2011 13:54:46 Chrom Revision: 1.2 13-Jul-2011 10:43:06

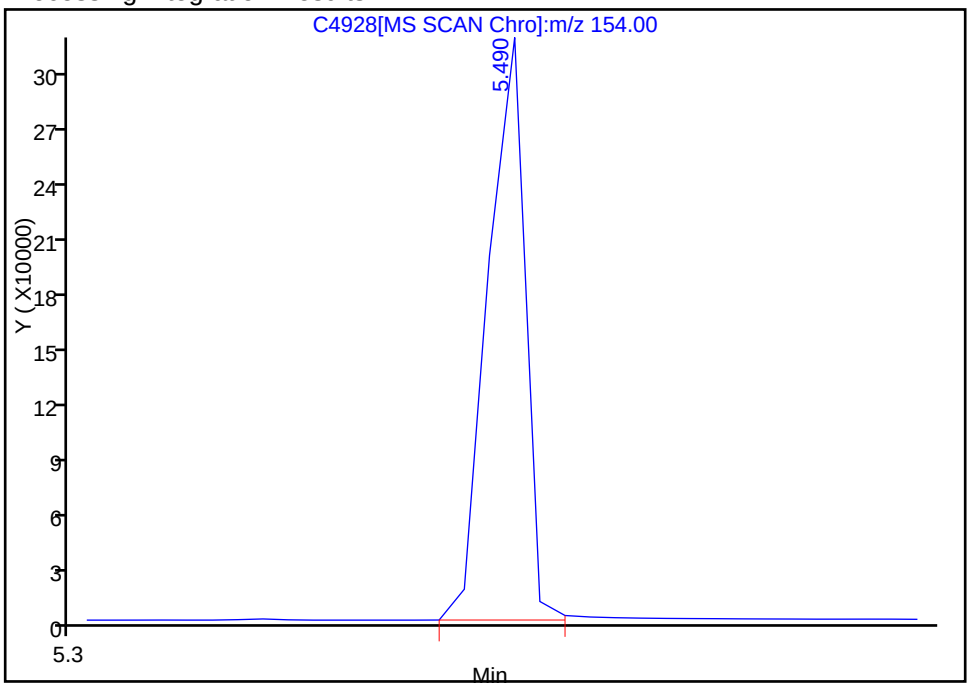
Manual Integration/User Assign Peak Report

Data File:	\\valsvr08\ChromData\SMSB\20110819-5411.b\C4928.D		
Injection Date:	19-Aug-2011 12:50:30	Limit Group:	SMS - 1 - 8270 SIM Calibration
Client ID:		Instrument ID:	SMSB
Lims Batch ID:	85359	Lims Sample ID:	9
Operator ID:	wds	Injection Vol:	1.00 ul

74 Acenaphthene, Signal: 1, m/z: 154.0 Type: quant, RT: 6.14

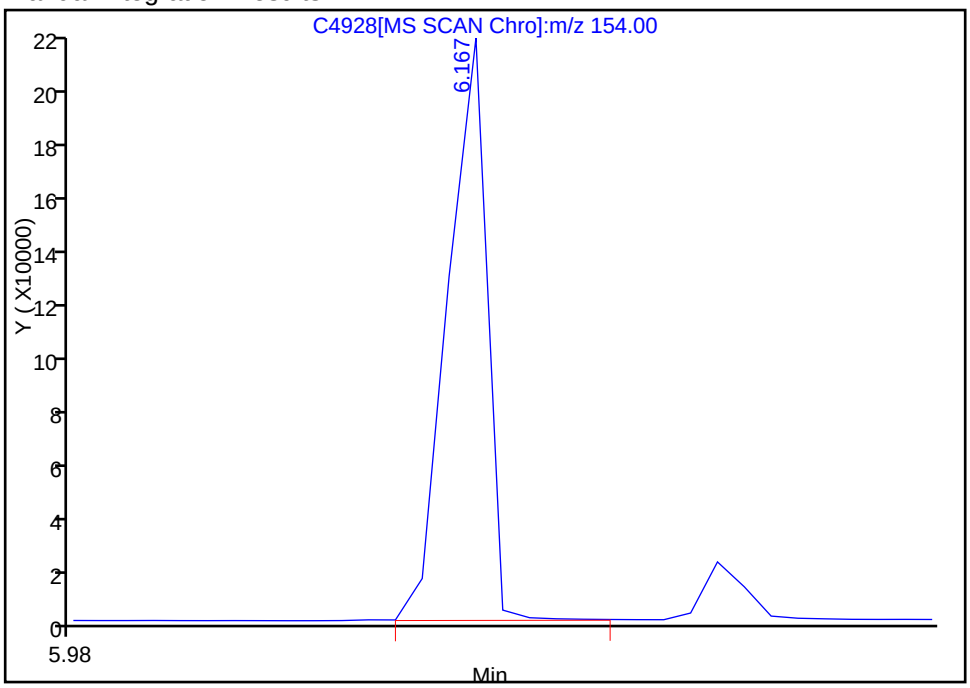
Processing Integration Results

RT: 5.49
Response: 348032
Amount: 87.079087



Manual Integration Results

RT: 6.17
Response: 271459
Amount: 70.016185



Reviewer: squiresb, 19-Aug-2011 13:53:58
Audit Action: Manually Integrated
Audit Reason: Assign Peak

Report Date: 19-Aug-2011 13:54:46 Chrom Revision: 1.2 13-Jul-2011 10:43:06

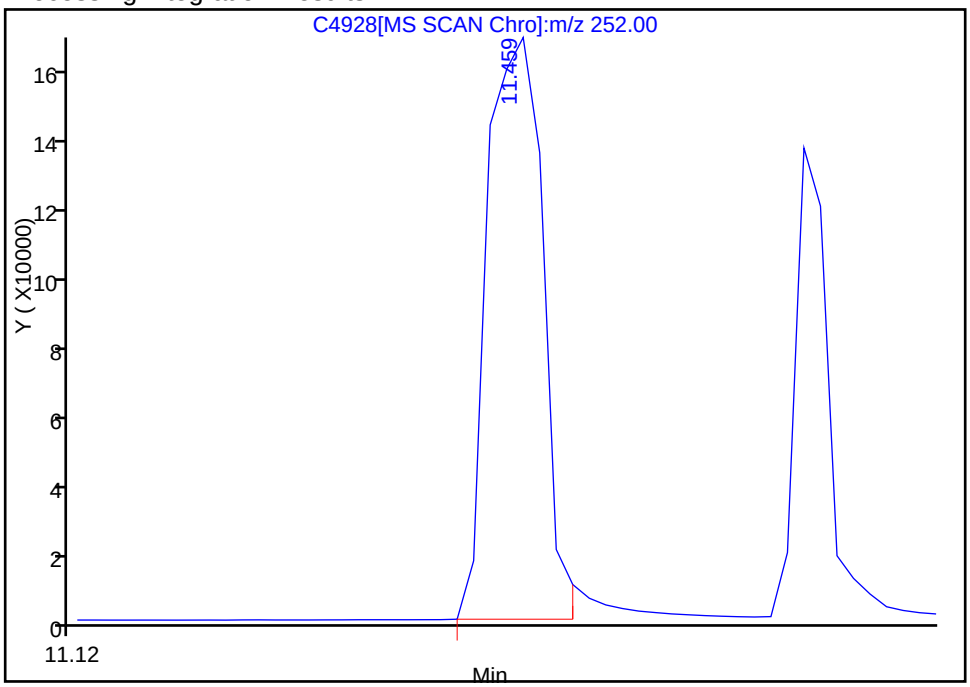
Manual Integration/User Assign Peak Report

Data File:	\\valsvr08\ChromData\SMSB\20110819-5411.b\C4928.D		
Injection Date:	19-Aug-2011 12:50:30	Limit Group:	SMS - 1 - 8270 SIM Calibration
Client ID:		Instrument ID:	SMSB
Lims Batch ID:	85359	Lims Sample ID:	9
Operator ID:	wds	Injection Vol:	1.00 ul

107 Benzo[k]fluoranthene, Signal: 1, m/z: 252.0 Type: quant, RT: 11.45

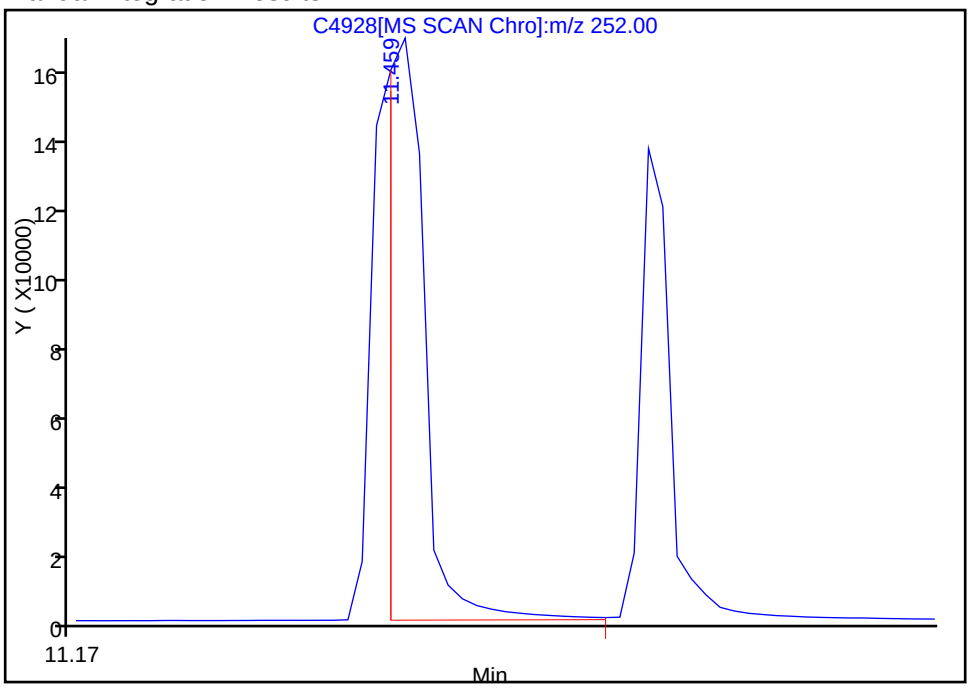
Processing Integration Results

RT: 11.46
Response: 488597
Amount: 107.7575



Manual Integration Results

RT: 11.46
Response: 387032
Amount: 85.887091



Reviewer: squiresb, 19-Aug-2011 13:53:58
Audit Action: Manually Integrated
Audit Reason: Assign Peak

Report Date: 19-Aug-2011 13:54:46 Chrom Revision: 1.2 13-Jul-2011 10:43:06

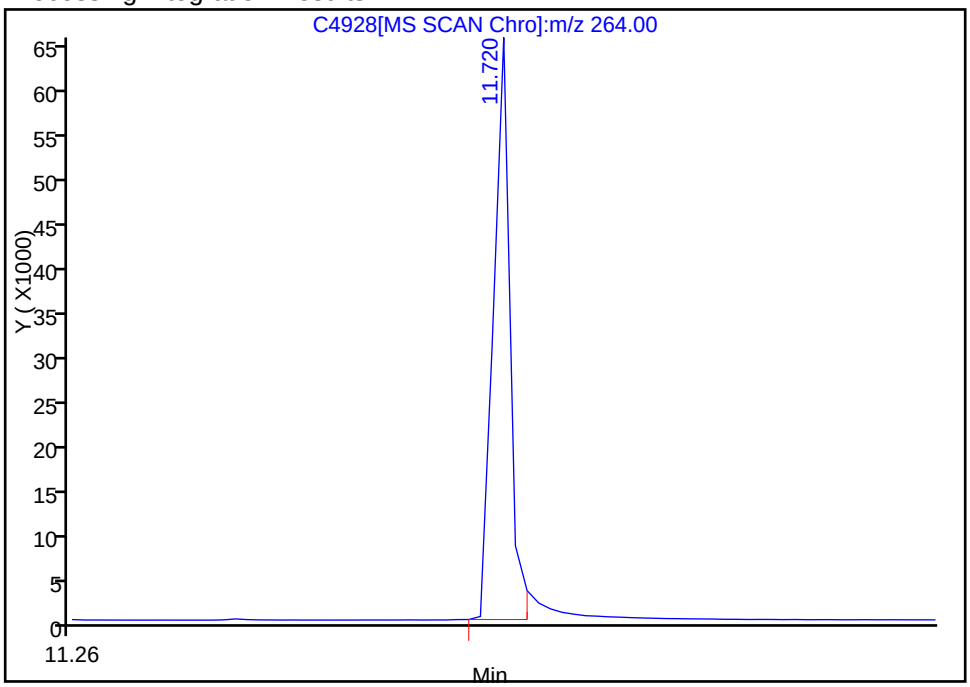
Manual Integration/User Assign Peak Report

Data File:	\\valsvr08\ChromData\SMSB\20110819-5411.b\C4928.D		
Injection Date:	19-Aug-2011 12:50:30	Limit Group:	SMS - 1 - 8270 SIM Calibration
Client ID:		Instrument ID:	SMSB
Lims Batch ID:	85359	Lims Sample ID:	9
Operator ID:	wds	Injection Vol:	1.00 ul

* 109 Perylene-d12, Signal: 1, m/z: 264.0 Type: quant, RT: 11.71

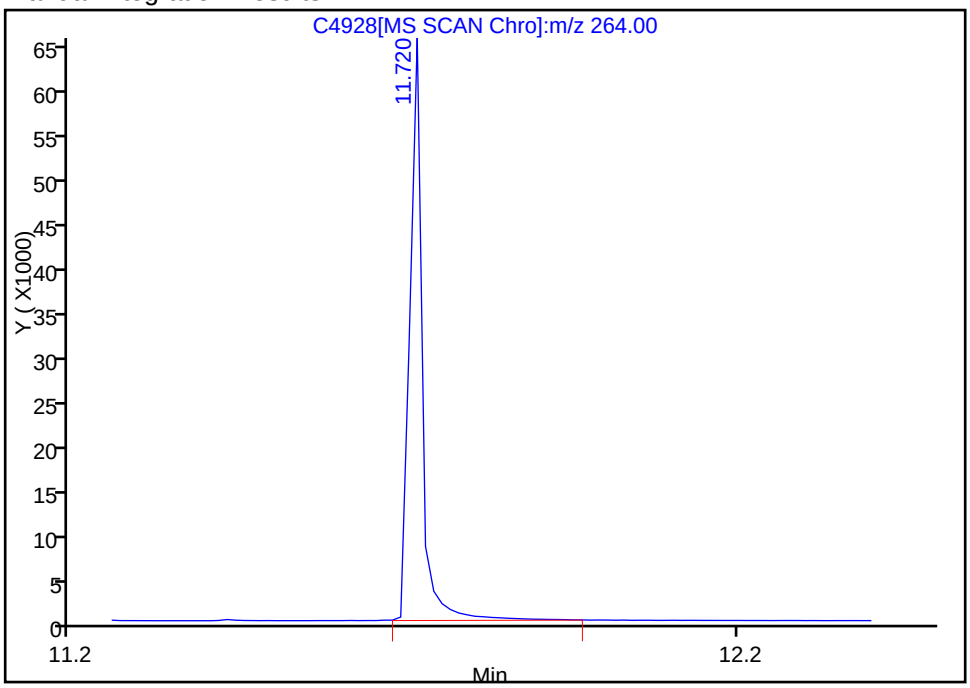
Processing Integration Results

RT: 11.72
Response: 79965
Amount: 40.000000



Manual Integration Results

RT: 11.72
Response: 85420
Amount: 40.000000



Reviewer: squiresb, 19-Aug-2011 13:53:58
Audit Action: Manually Integrated
Audit Reason: Assign Peak

Report Date: 19-Aug-2011 13:54:46 Chrom Revision: 1.2 13-Jul-2011 10:43:06

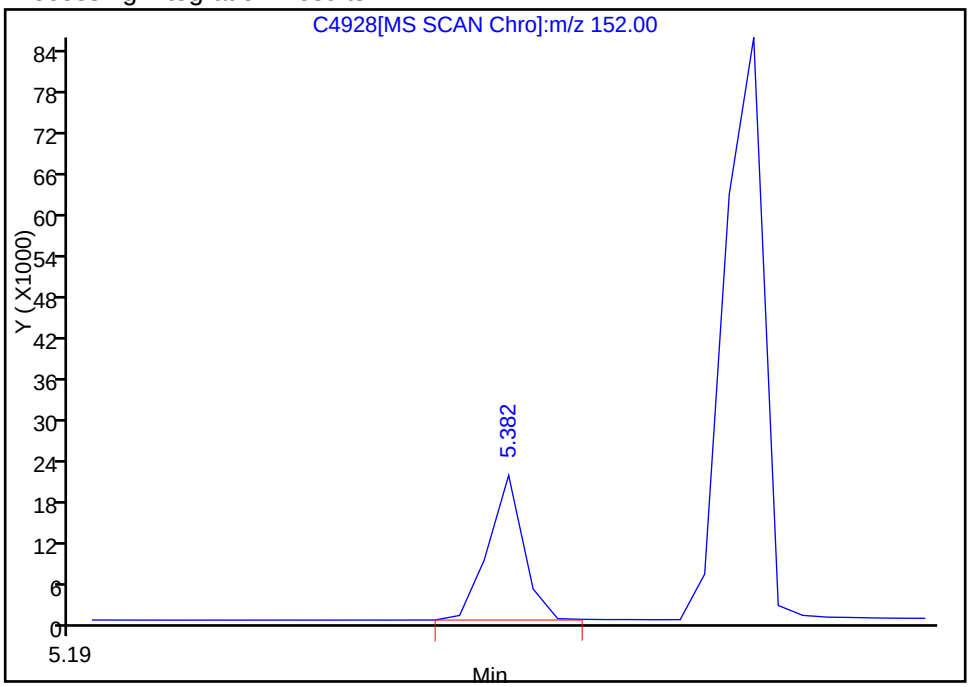
Manual Integration/User Assign Peak Report

Data File:	\\valsvr08\ChromData\SMSB\20110819-5411.b\C4928.D		
Injection Date:	19-Aug-2011 12:50:30	Limit Group:	SMS - 1 - 8270 SIM Calibration
Client ID:		Instrument ID:	SMSB
Lims Batch ID:	85359	Lims Sample ID:	9
Operator ID:	wds	Injection Vol:	1.00 ul

71 Acenaphthylene, Signal: 1, m/z: 152.0 Type: quant, RT: 5.93

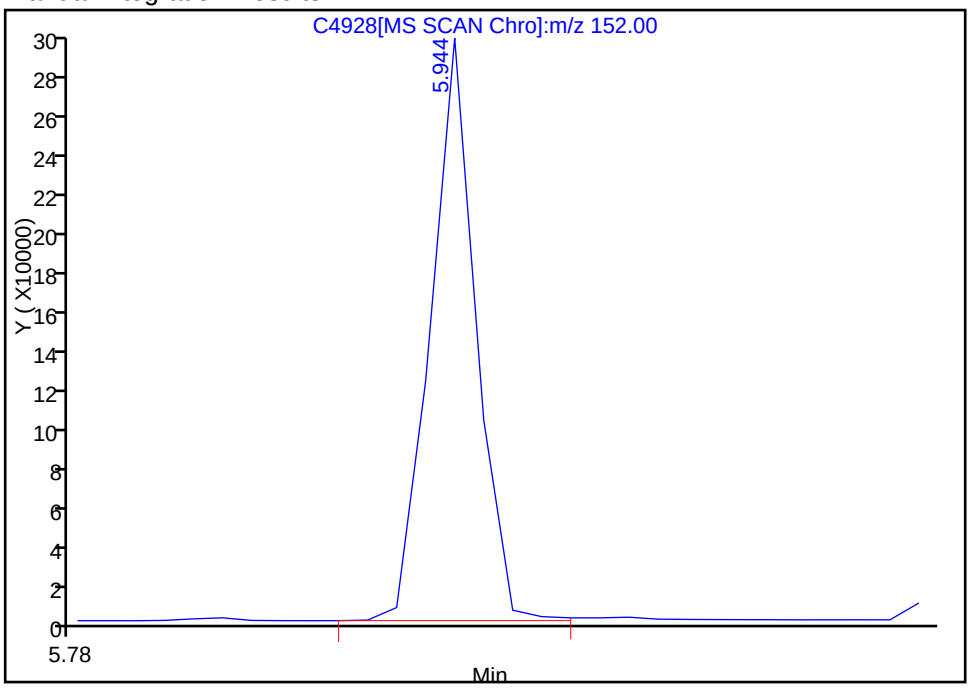
Processing Integration Results

RT: 5.38
Response: 22938
Amount: 3.602390



Manual Integration Results

RT: 5.94
Response: 403024
Amount: 57.894741



Reviewer: squiresb, 19-Aug-2011 13:53:58
Audit Action: Manually Integrated
Audit Reason: Assign Peak

Report Date: 19-Aug-2011 13:54:46 Chrom Revision: 1.2 13-Jul-2011 10:43:06

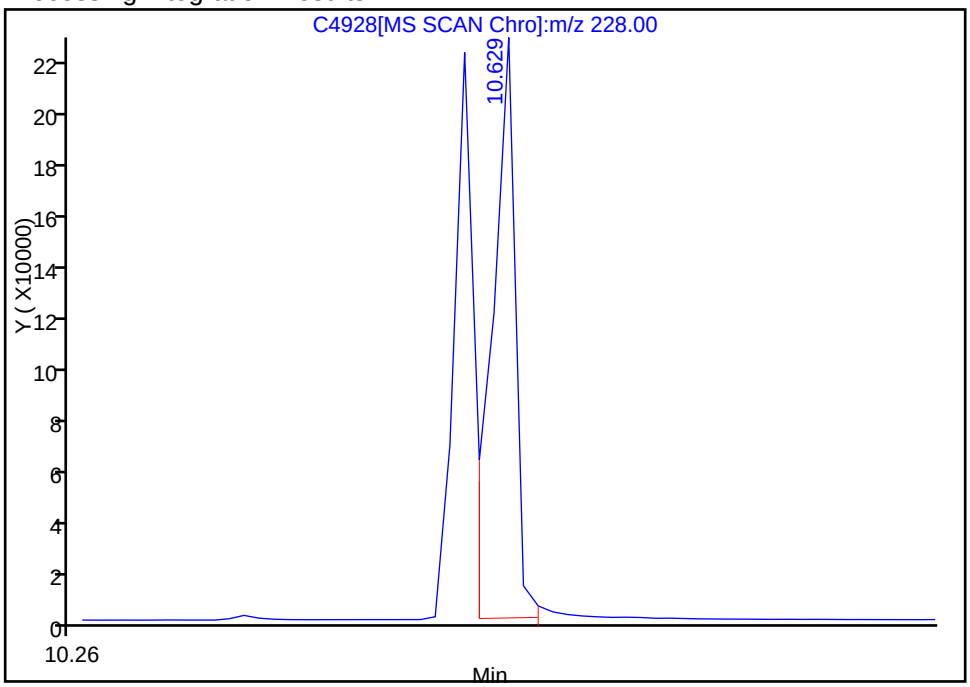
Manual Integration/User Assign Peak Report

Data File:	\\valsvr08\ChromData\SMSB\20110819-5411.b\C4928.D		
Injection Date:	19-Aug-2011 12:50:30	Limit Group:	SMS - 1 - 8270 SIM Calibration
Client ID:		Instrument ID:	SMSB
Lims Batch ID:	85359	Lims Sample ID:	9
Operator ID:	wds	Injection Vol:	1.00 ul

104 Chrysene, Signal: 1, m/z: 228.0 Type: quant, RT: 10.62

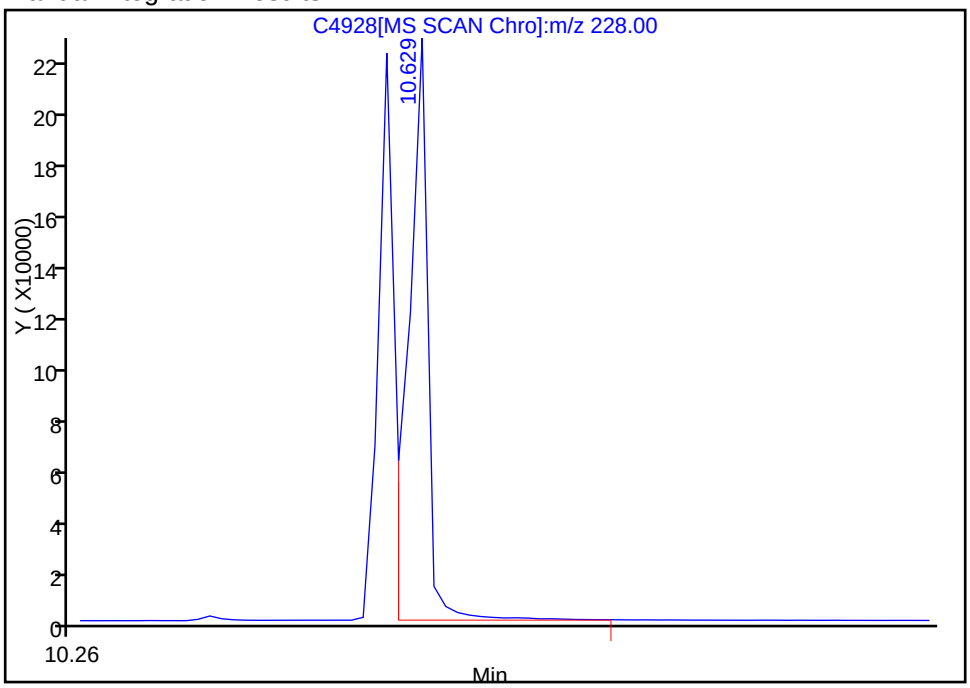
Processing Integration Results

RT: 10.63
Response: 317120
Amount: 70.959810



Manual Integration Results

RT: 10.63
Response: 328528
Amount: 73.220456



Reviewer: squiresb, 19-Aug-2011 13:53:58
Audit Action: Manually Integrated
Audit Reason: Assign Peak

Report Date: 19-Aug-2011 13:54:46 Chrom Revision: 1.2 13-Jul-2011 10:43:06

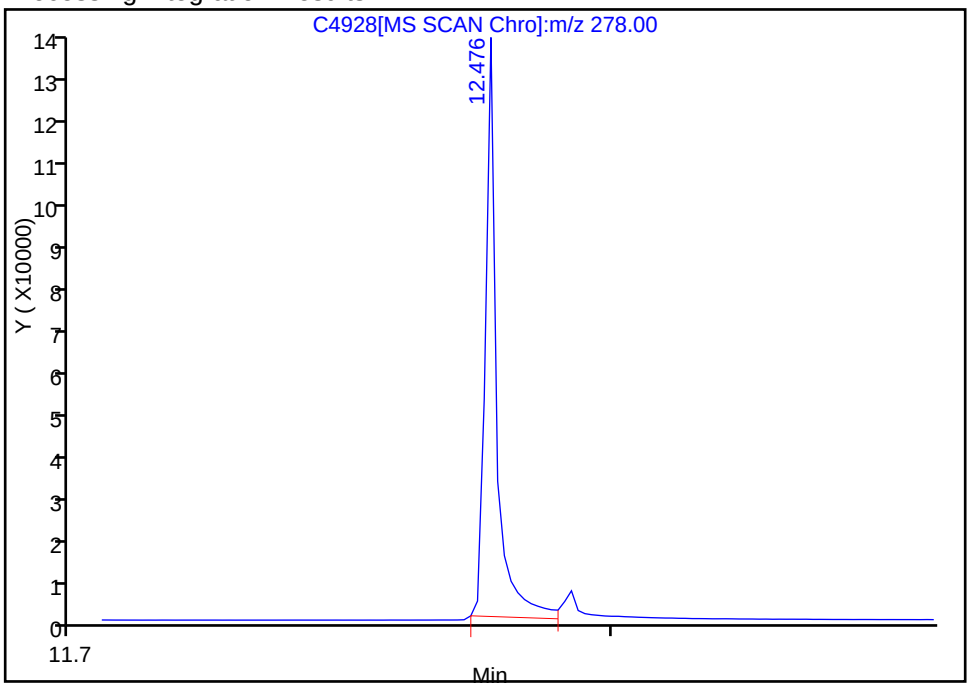
Manual Integration/User Assign Peak Report

Data File:	\\valsvr08\ChromData\SMSB\20110819-5411.b\C4928.D		
Injection Date:	19-Aug-2011 12:50:30	Limit Group:	SMS - 1 - 8270 SIM Calibration
Client ID:		Instrument ID:	SMSB
Lims Batch ID:	85359	Lims Sample ID:	9
Operator ID:	wds	Injection Vol:	1.00 ul

111 Dibenz(a,h)anthracene, Signal: 1, m/z: 278.0 Type: quant, RT: 12.46

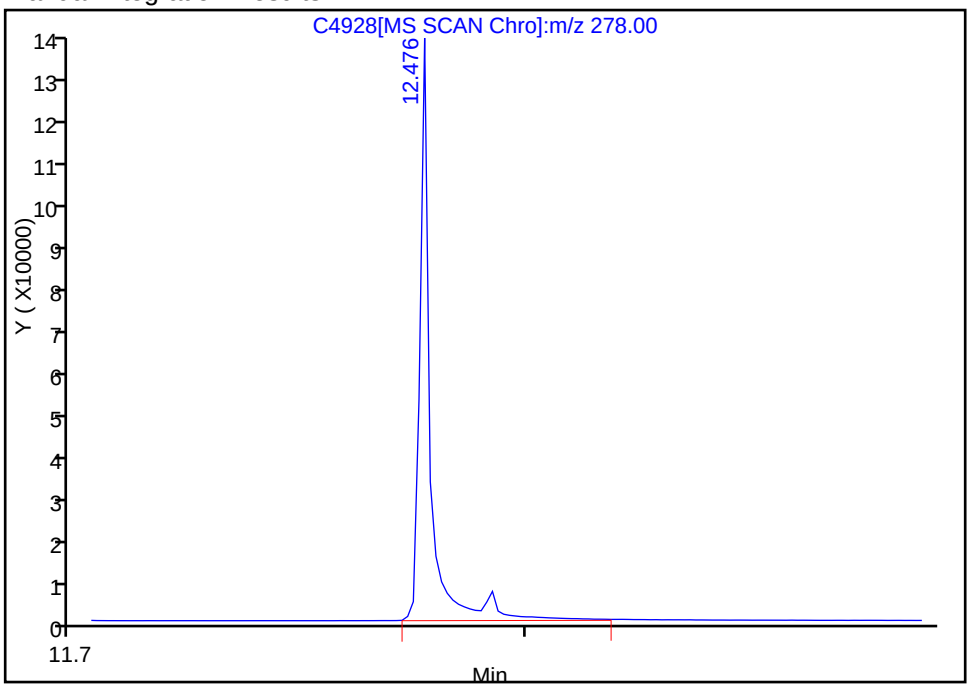
Processing Integration Results

RT: 12.48
Response: 191811
Amount: 79.721870



Manual Integration Results

RT: 12.48
Response: 216812
Amount: 87.914808



Reviewer: squiresb, 19-Aug-2011 13:53:58
Audit Action: Manually Integrated
Audit Reason: Assign Peak

FORM VII
GC/MS SEMI VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Valparaiso Job No.: 510-70378-1

SDG No.: 0058-373-01

Lab Sample ID: SSTD020 510-87438/2 Calibration Date: 09/30/2011 11:55

Instrument ID: SMSB Calib Start Date: 08/19/2011 10:22

GC Column: 8270/625 ID: 0.25(mm) Calib End Date: 08/19/2011 12:50

Lab File ID: C5176.D Conc. Units: ug/mL

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Naphthalene	Ave	1.321	1.215	0.0500	18.4	20.0	-8.0	20.0
2-Methylnaphthalene	Ave	0.7803	1.152	0.0500	29.5	20.0	47.6*	20.0
Acenaphthylene	Ave	2.456	2.294	0.0500	18.7	20.0	-6.6	20.0
Acenaphthene	Ave	1.368	1.264	0.0500	18.5	20.0	-7.5	20.0
Fluorene	Ave	1.489	1.502	0.0500	20.2	20.0	0.9	20.0
Phenanthrene	Ave	1.400	1.260	0.0500	18.0	20.0	-10.0	20.0
Anthracene	Ave	1.417	1.326	0.0500	18.7	20.0	-6.4	20.0
Fluoranthene	Ave	1.372	1.156	0.0500	17.4	20.6	-15.7	20.0
Pyrene	Ave	1.995	2.084	0.0500	21.3	20.4	4.5	20.0
Benzo[a]anthracene	Ave	1.618	1.444	0.0500	17.9	20.0	-10.7	20.0
Chrysene	Ave	1.889	1.986	0.0500	21.0	20.0	5.1	20.0
Benzo[b]fluoranthene	Ave	1.526	1.300	0.0500	17.0	20.0	-14.8	20.0
Benzo[k]fluoranthene	Ave	2.110	2.296	0.0500	21.8	20.0	8.8	20.0
Benzo[a]pyrene	Lin		1.377	0.0500	19.9	20.0	-0.5	20.0
Indeno[1,2,3-cd]pyrene	Lin		1.250	0.0500	18.4	20.0	-8.0	20.0
Dibenz(a,h)anthracene	Lin2		1.081	0.0500	19.3	20.4	-5.4	20.0
Benzo[g,h,i]perylene	Ave	1.267	1.196	0.0500	18.9	20.0	-5.6	20.0
Nitrobenzene-d5	Ave	0.5465	0.4697	0.0500	17.2	20.0	-14.1	
2-Fluorobiphenyl	Ave	1.932	1.910	0.0500	19.8	20.0	-1.1	
Terphenyl-d14	Ave	0.7838	0.9150	0.0500	23.3	20.0	16.7	

TestAmerica Laboratories
Target Compound Quantitation Report

Data File: \\valsvr08\ChromData\SMSB\20110930-5635.b\C5176.D
Lims ID: sstd020 Client ID:
Inject. Date: 30-Sep-2011 11:55:30 Dil. Factor: 1.0000
Sample Type: CCVIS
Sample ID: SSTD020
Misc. Info.: 510-0005635-002 =510-0005635-002
Operator: wds Instrument ID: SMSB
Vol. Injected: 1.0000 ALS Bottle#: 2
Lims Batch ID: 87438 Lims Sample ID: 2
Sublist: chrom-SIM-PNAB*sub15
Detector: MS SCAN

Method: \\valsvr08\ChromData\SMSB\20110930-5635.b\SIM-PNAB.m
Last Update: 30-Sep-2011 12:10:55 Calib Date: 19-Aug-2011 12:50:30
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\valsvr08\ChromData\SMSB\20110819-5411.b\C4928.D
Limit Group: SMS - 1 - 8270 SIM Calibration
Integrator: RTE ID Type: RT Order ID
Process Host: VAL-SMS-LAB1

First Level Reviewer: squiresb Date: 30-Sep-2011 12:10:55

Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/ml	Ratio Range	Ratio	Flags
* 40 1,4-Dichlorobenzene-d4									s
152	1.465	1.465	0.000	1	114448	40.0	70.0- 130.0	100.0	
$ 49 Nitrobenzene-d5									M
82	2.207	2.207	0.000	1	52292	17.2	70.0- 130.0	100.0	M
128	3.078	2.207	0.871		133216		224.8- 284.8	254.8	
54	3.056	2.207	0.849		18127		4.7- 64.7	34.7	
* 57 Naphthalene-d8									s
136	3.056	3.056	0.000	1	222655	40.0	70.0- 130.0	100.0	
58 Naphthalene									
128	3.078	3.078	0.000	0	135255	18.4	70.0- 130.0	100.0	
129	3.078	3.078	0.000		14936		0.0- 41.0	11.0	
62 2-Methylnaphthalene									
142	3.938	3.938	0.000	1	128197	29.5	70.0- 130.0	100.0	
141	3.938	3.938	0.000		74815		28.4- 88.4	58.4	
115	3.938	3.938	0.000		31051		0.0- 54.2	24.2	
$ 66 2-Fluorobiphenyl									
172	4.443	4.443	0.000	1	111515	19.8			
71 Acenaphthylene									
152	4.959	4.959	0.000	1	133948	18.7	70.0- 130.0	100.0	
151	4.959	4.959	0.000		25751		0.0- 49.2	19.2	
* 73 Acenaphthene-d10									s
164	5.145	5.145	0.000	1	116791	40.0	70.0- 130.0	100.0	
162	5.145	5.145	0.000		101906		57.3- 117.3	87.3	
74 Acenaphthene									M
154	5.182	5.182	0.000	0	73839	18.5	70.0- 130.0	100.0	M
152	0.0	5.182	-5.182		0		25.6- 85.6		
153	0.0	5.182	-5.182		0		77.5- 137.5		

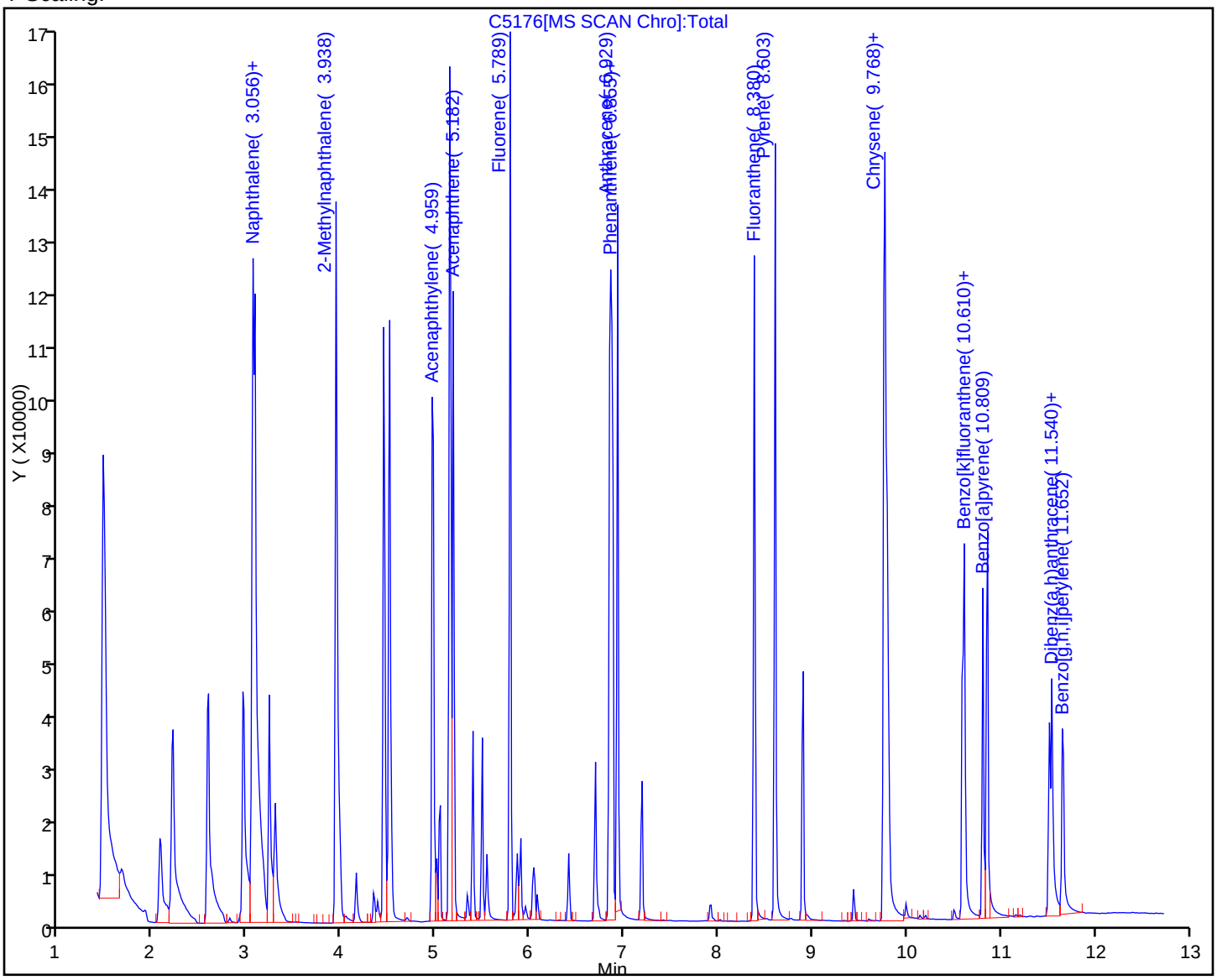
Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/ml	Ratio Range	Ratio	Flags
80 Fluorene									
166	5.789	5.789	0.000	6	87714	20.2	70.0- 130.0	100.0	
165	5.789	5.789	0.000		76423		57.1- 117.1	87.1	
* 90 Phenanthrene-d10									s
188	6.855	6.855	0.000	1	168736	40.0	70.0- 130.0	100.0	
91 Phenanthrene									
178	6.867	6.867	0.000	1	106342	18.0	70.0- 130.0	100.0	
92 Anthracene									
178	6.929	6.929	0.000	1	111905	18.7	70.0- 130.0	100.0	
95 Fluoranthene									
202	8.380	8.380	0.000	3	100569	17.4	70.0- 130.0	100.0	
101	8.380	8.380	0.000		14094		0.0- 44.0	14.0	
97 Pyrene									
202	8.603	8.603	0.000	19	105798	21.3	70.0- 130.0	100.0	
101	8.590	8.603	-0.013		16703		0.0- 45.8	15.8	
$ 98 Terphenyl-d14									
244	8.900	8.900	0.000	1	45529	23.3	70.0- 130.0	100.0	
101 Benzo[a]anthracene									
228	9.755	9.755	0.000	0	71853	17.9	70.0- 130.0	100.0	
229	9.755	9.755	0.000		14298		0.0- 49.9	19.9	
226	9.755	9.755	0.000		18406		0.0- 55.6	25.6	
* 103 Chrysene-d12									s
240	9.768	9.768	0.000	1	99521	40.0	70.0- 130.0	100.0	
104 Chrysene									M
228	9.792	9.792	0.000	1	98812	21.0	70.0- 130.0	100.0	M
226	9.792	9.792	0.000		22760		0.0- 53.0	23.0	
229	9.792	9.792	0.000		18530		0.0- 48.8	18.8	
106 Benzo[b]fluoranthene									M
252	10.598	10.598	0.000	1	55752	17.0	70.0- 130.0	100.0	M
253	10.610	10.598	0.012		28199		20.6- 80.6	50.6	
107 Benzo[k]fluoranthene									M
252	10.610	10.610	0.000	1	98426	21.8	70.0- 130.0	100.0	M
253	10.610	10.610	0.000		28199		0.0- 58.6	28.6	
108 Benzo[a]pyrene									M
252	10.809	10.809	0.000	1	59032	19.9	70.0- 130.0	100.0	M
253	10.809	10.809	0.000		14519		0.0- 54.6	24.6	
* 109 Perylene-d12									sM
264	10.858	10.858	0.000	1	85740	40.0	70.0- 130.0	100.0	M
110 Indeno[1,2,3-cd]pyrene									
276	11.515	11.515	0.000	1	53567	18.4	70.0- 130.0	100.0	
138	11.503	11.515	-0.012		9356		0.0- 47.5	17.5	
111 Dibenz(a,h)anthracene									M
278	11.540	11.540	0.000	1	47273	19.3	70.0- 130.0	100.0	M
139	11.528	11.540	-0.012		8583		0.0- 48.2	18.2	
24 Benzo[g,h,i]perylene									
276	11.664	11.664	0.000	1	51289	18.9	70.0- 130.0	100.0	
138	11.652	11.664	-0.012		14349		0.0- 58.0	28.0	

QC Flag Legend

Processing Flags
s - Failed ISTD Recovery Test

Review Flags
M - Manually Integrated

Report Date: 30-Sep-2011 12:10:56 Chrom Revision: 1.2 13-Jul-2011 10:43:06
Data File: \\valsvr08\ChromData\SMSB\20110930-5635.b\C5176.D
Injection Date: 30-Sep-2011 11:55:30 Limit Group: SMS - 1 - 8270 SIM Calibration
Client ID: Instrument ID: SMSB
Lims Batch ID: 87438 Lims Sample ID: 2
Operator ID: wds Injection Vol: 1.00 ul
Y Scaling:



Report Date: 30-Sep-2011 12:10:56 Chrom Revision: 1.2 13-Jul-2011 10:43:06

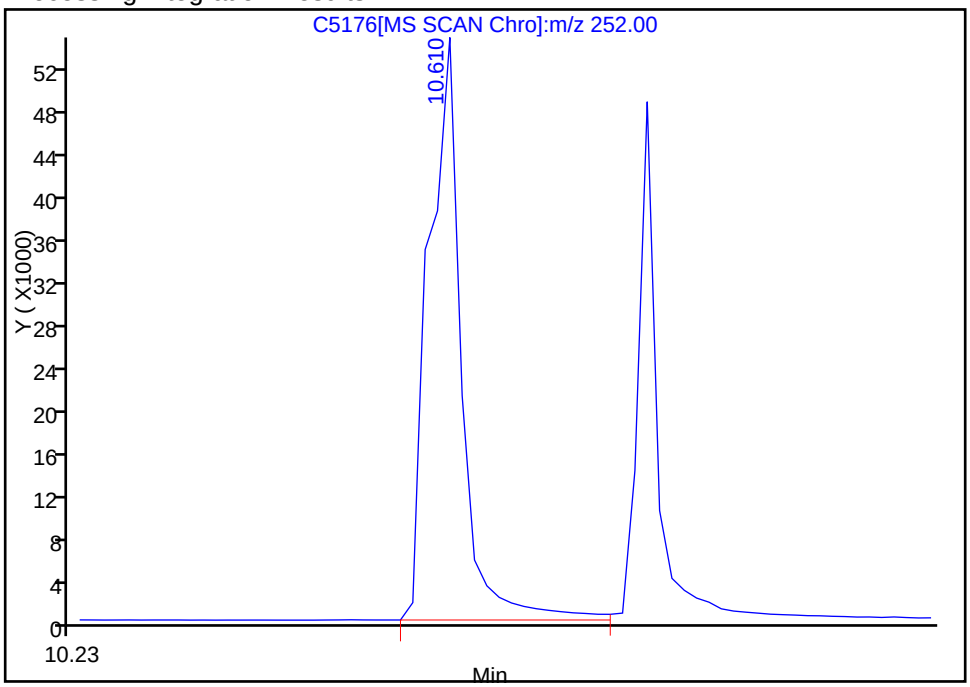
Manual Integration/User Assign Peak Report

Data File:	\\valsvr08\ChromData\SMSB\20110930-5635.b\C5176.D		
Injection Date:	30-Sep-2011 11:55:30	Limit Group:	SMS - 1 - 8270 SIM Calibration
Client ID:		Instrument ID:	SMSB
Lims Batch ID:	87438	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: 10.61

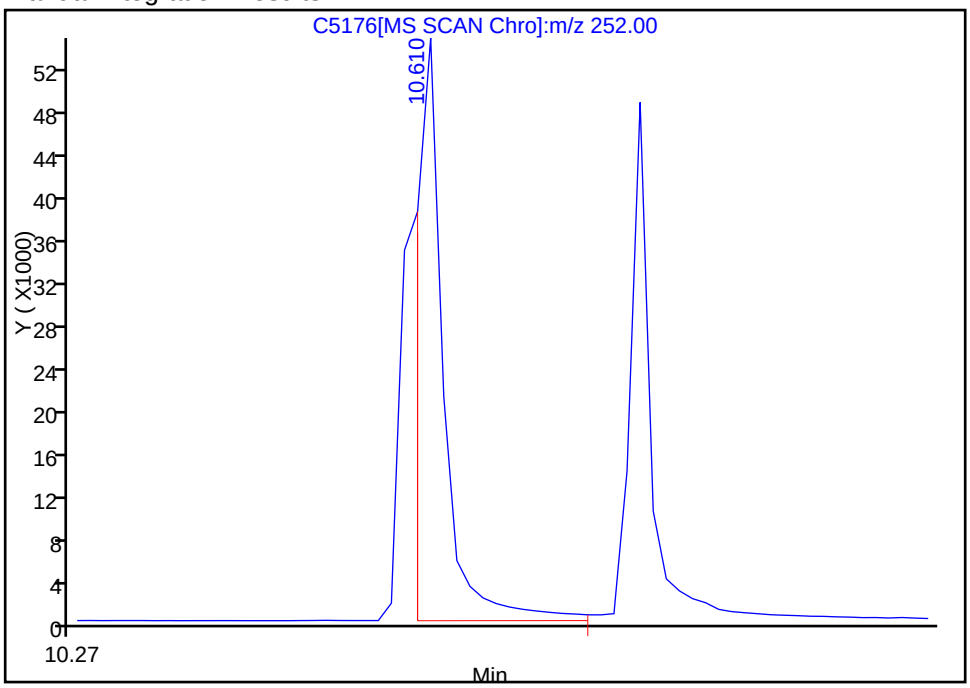
Processing Integration Results

RT: 10.61
Response: 125737
Amount: 30.558844



Manual Integration Results

RT: 10.61
Response: 98426
Amount: 21.760403



Reviewer: squiresb, 30-Sep-2011 12:10:55
Audit Action: Manually Integrated
Audit Reason: Assign Peak

Report Date: 30-Sep-2011 12:10:56 Chrom Revision: 1.2 13-Jul-2011 10:43:06

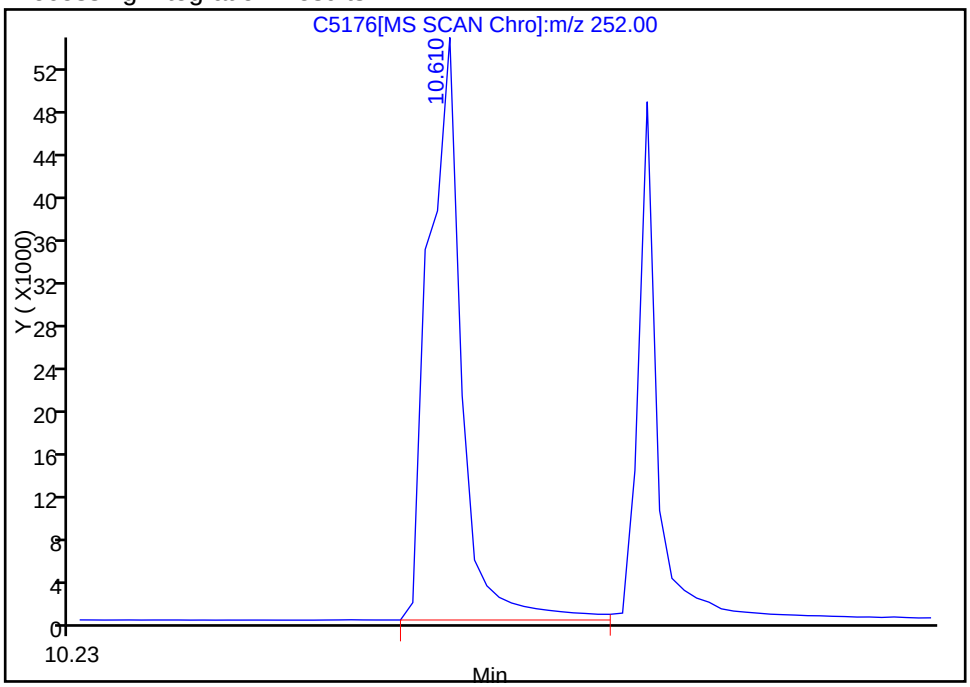
Manual Integration/User Assign Peak Report

Data File:	\\valsvr08\ChromData\SMSB\20110930-5635.b\C5176.D		
Injection Date:	30-Sep-2011 11:55:30	Limit Group:	SMS - 1 - 8270 SIM Calibration
Client ID:		Instrument ID:	SMSB
Lims Batch ID:	87438	Lims Sample ID:	2
Operator ID:	wds	Injection Vol:	1.00 ul

106 Benzo[b]fluoranthene, Signal: 1, m/z: 252.0 Type: quant, RT: 10.60

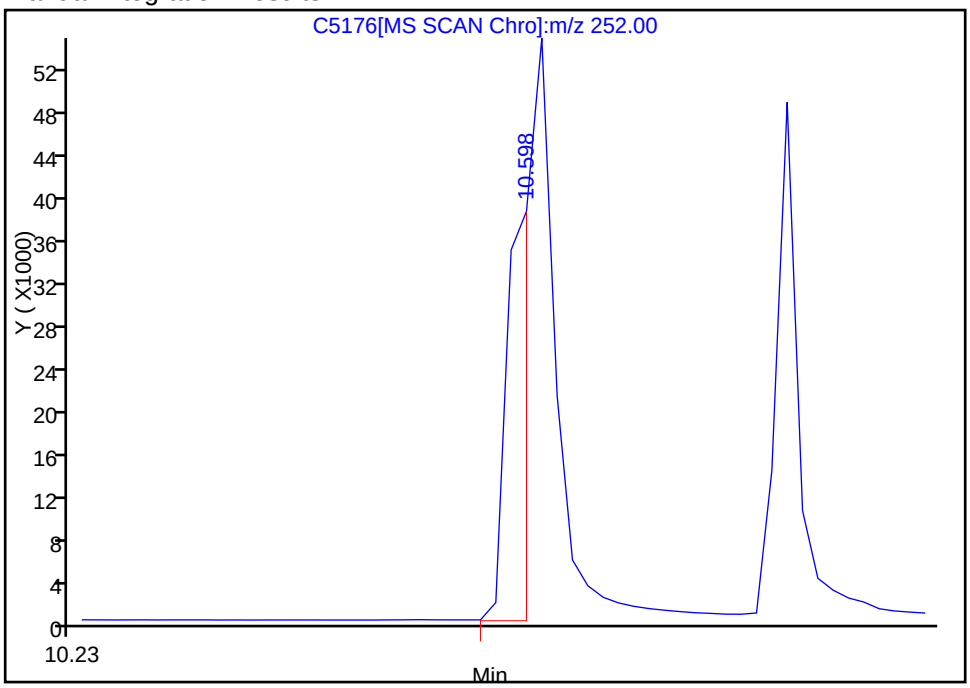
Processing Integration Results

RT: 10.61
Response: 125737
Amount: 42.269955



Manual Integration Results

RT: 10.60
Response: 55752
Amount: 17.049530



Reviewer: squiresb, 30-Sep-2011 12:10:55
Audit Action: Manually Integrated
Audit Reason: Assign Peak

Report Date: 30-Sep-2011 12:10:56 Chrom Revision: 1.2 13-Jul-2011 10:43:06

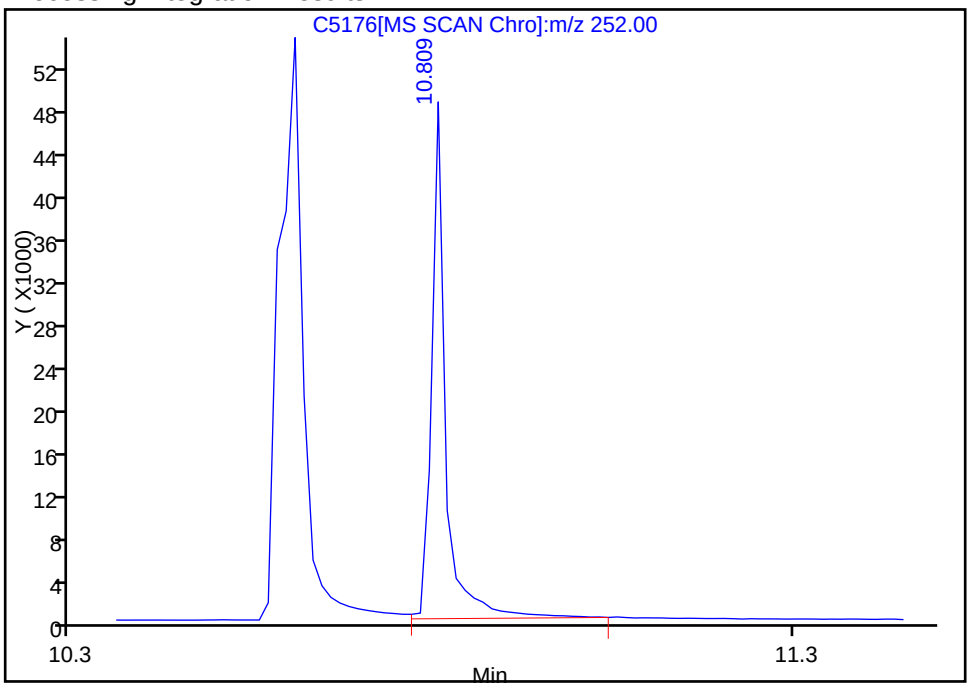
Manual Integration/User Assign Peak Report

Data File:	\\valsvr08\ChromData\SMSB\20110930-5635.b\C5176.D		
Injection Date:	30-Sep-2011 11:55:30	Limit Group:	SMS - 1 - 8270 SIM Calibration
Client ID:		Instrument ID:	SMSB
Lims Batch ID:	87438	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: 10.81

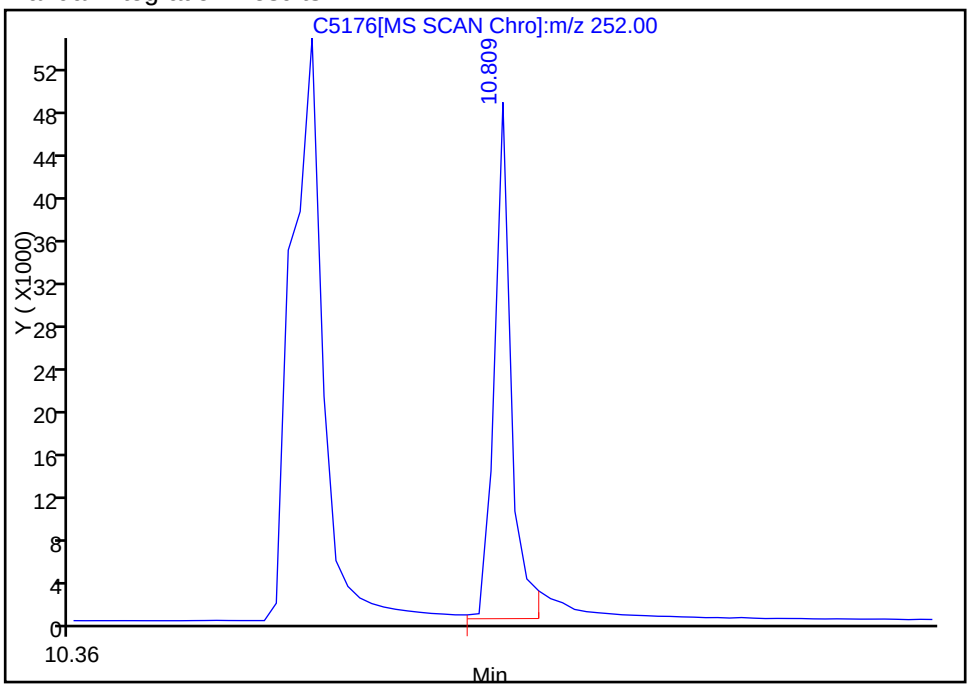
Processing Integration Results

RT: 10.81
Response: 65023
Amount: 24.059370



Manual Integration Results

RT: 10.81
Response: 59032
Amount: 19.869544



Reviewer: squiresb, 30-Sep-2011 12:10:55
Audit Action: Manually Integrated
Audit Reason: Assign Peak

Report Date: 30-Sep-2011 12:10:56 Chrom Revision: 1.2 13-Jul-2011 10:43:06

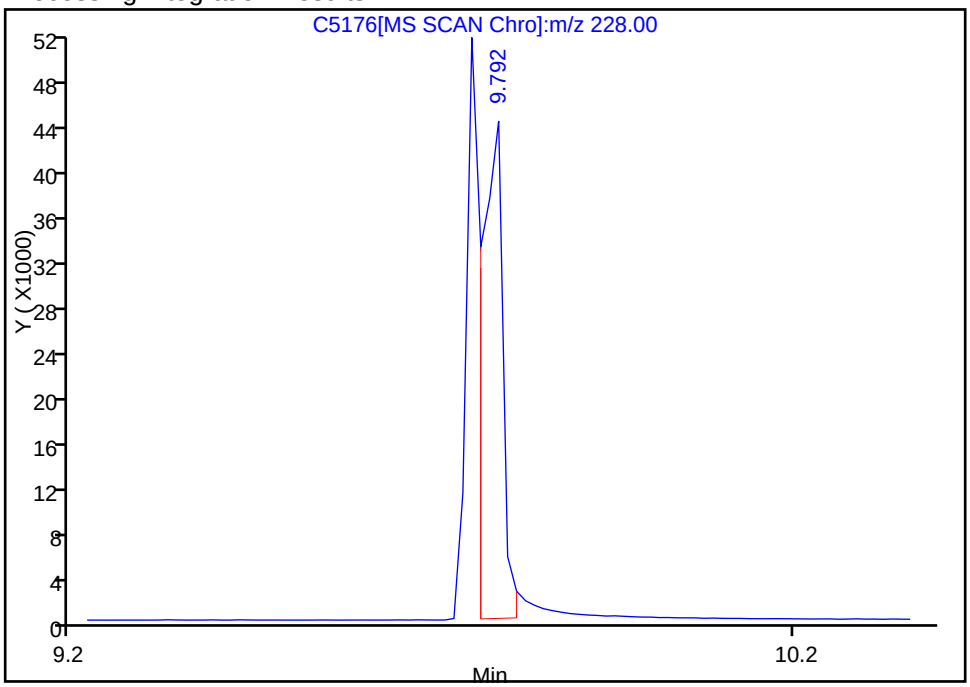
Manual Integration/User Assign Peak Report

Data File:	\\valsvr08\ChromData\SMSB\20110930-5635.b\C5176.D		
Injection Date:	30-Sep-2011 11:55:30	Limit Group:	SMS - 1 - 8270 SIM Calibration
Client ID:		Instrument ID:	SMSB
Lims Batch ID:	87438	Lims Sample ID:	2
Operator ID:	wds	Injection Vol:	1.00 ul

104 Chrysene, Signal: 1, m/z: 228.0 Type: quant, RT: 9.79

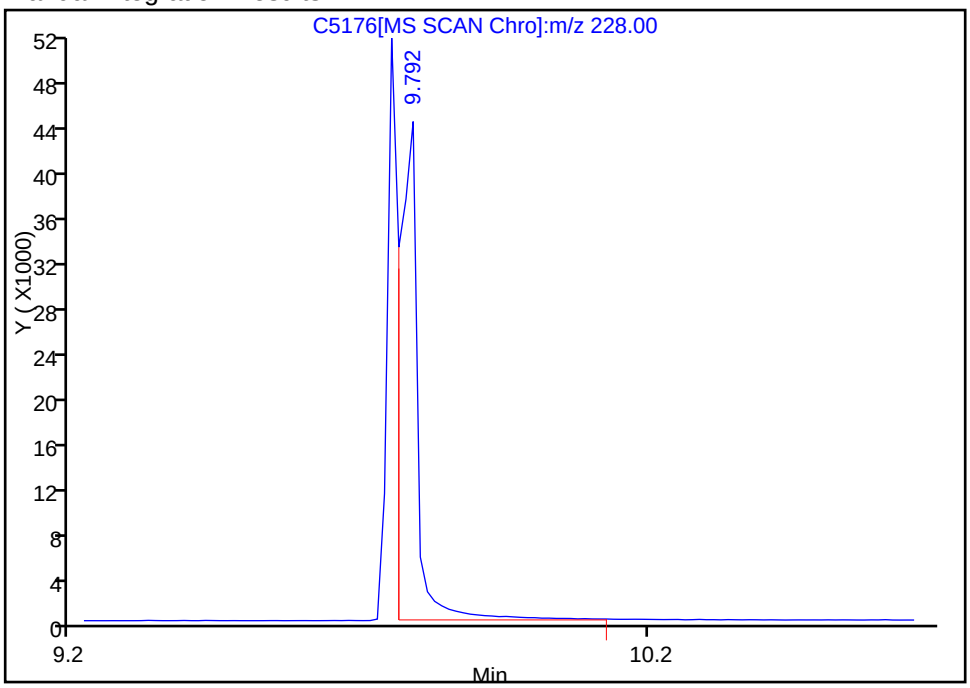
Processing Integration Results

RT: 9.79
Response: 91354
Amount: 19.433284



Manual Integration Results

RT: 9.79
Response: 98812
Amount: 21.019787



Reviewer: squiresb, 30-Sep-2011 12:10:55
Audit Action: Manually Integrated
Audit Reason: Assign Peak

Report Date: 30-Sep-2011 12:10:56 Chrom Revision: 1.2 13-Jul-2011 10:43:06

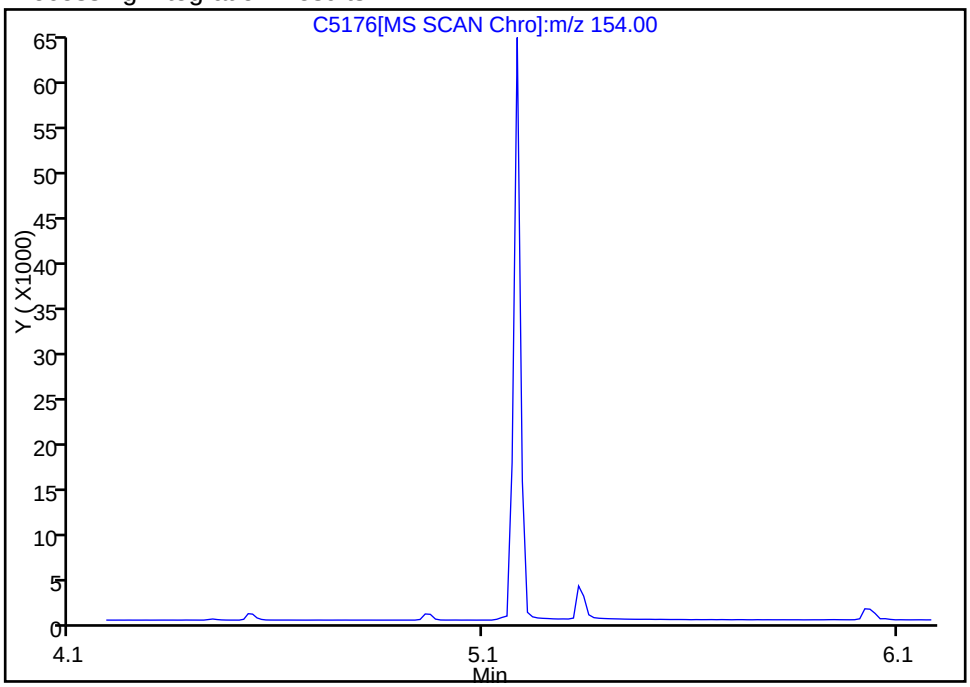
Manual Integration/User Assign Peak Report

Data File:	\\valsvr08\ChromData\SMSB\20110930-5635.b\C5176.D		
Injection Date:	30-Sep-2011 11:55:30	Limit Group:	SMS - 1 - 8270 SIM Calibration
Client ID:		Instrument ID:	SMSB
Lims Batch ID:	87438	Lims Sample ID:	2
Operator ID:	wds	Injection Vol:	1.00 ul

74 Acenaphthene, Signal: 1, m/z: 154.0 Type: quant, RT: 5.18

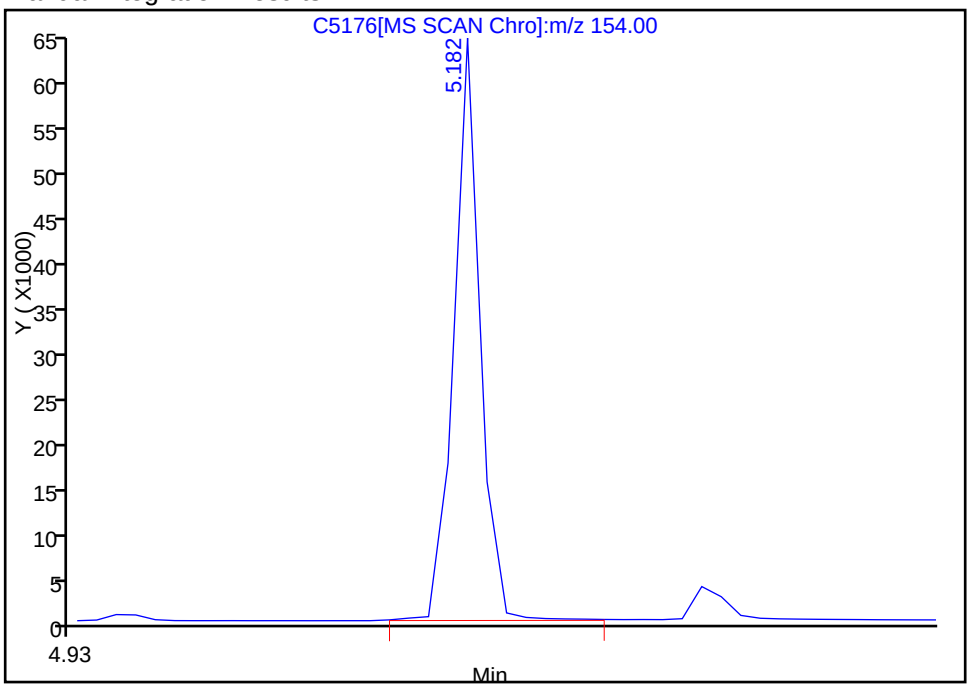
Processing Integration Results

Not Detected
Expected RT: 5.18



Manual Integration Results

RT: 5.18
Response: 73839
Amount: 18.491013



Reviewer: squiresb, 30-Sep-2011 12:10:55
Audit Action: Manually Integrated
Audit Reason: Assign Peak

Report Date: 30-Sep-2011 12:10:56 Chrom Revision: 1.2 13-Jul-2011 10:43:06

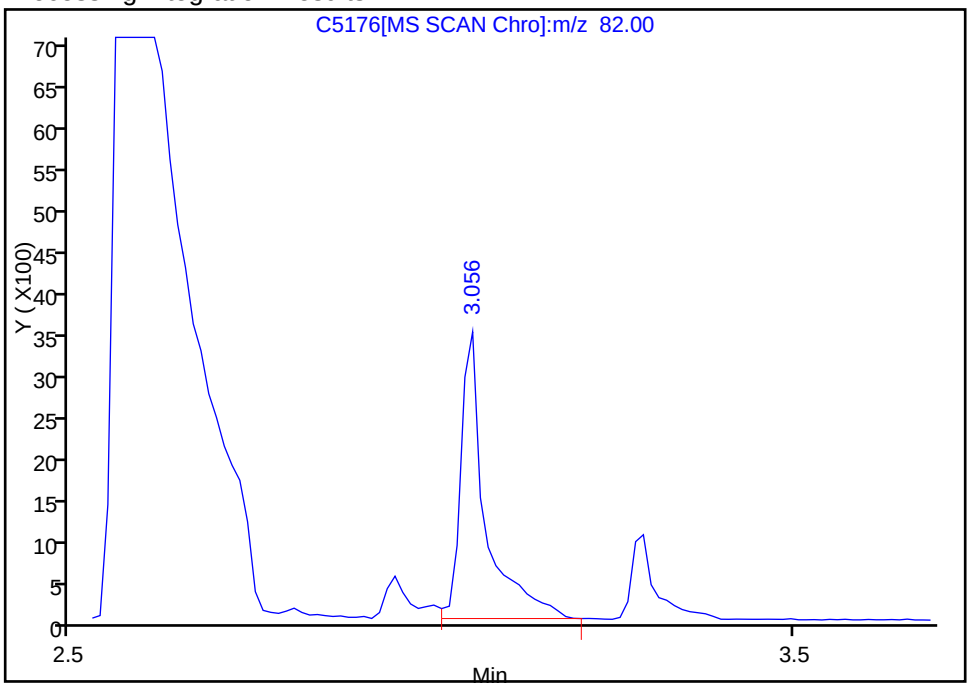
Manual Integration/User Assign Peak Report

Data File:	\\valsvr08\ChromData\SMSB\20110930-5635.b\C5176.D		
Injection Date:	30-Sep-2011 11:55:30	Limit Group:	SMS - 1 - 8270 SIM Calibration
Client ID:		Instrument ID:	SMSB
Lims Batch ID:	87438	Lims Sample ID:	2
Operator ID:	wds	Injection Vol:	1.00 ul

$ 49 Nitrobenzene-d5, Signal: 1, m/z: 82.0 Type: quant, RT: 2.21

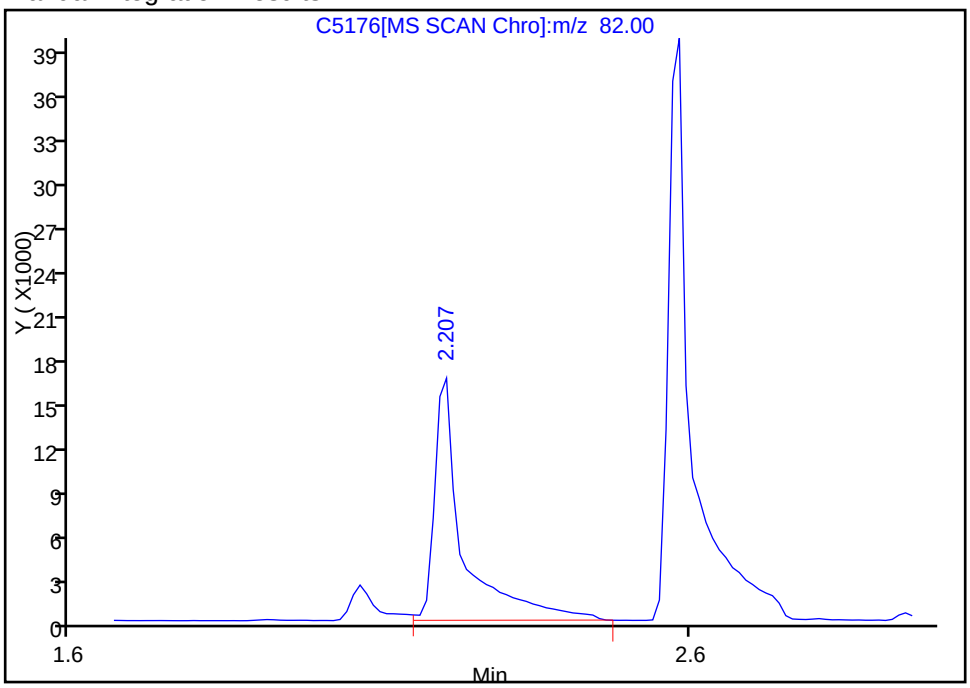
Processing Integration Results

RT: 3.06
Response: 8238
Amount: 2.708068



Manual Integration Results

RT: 2.21
Response: 52292
Amount: 17.189890



Reviewer: squiresb, 30-Sep-2011 12:10:55
Audit Action: Manually Integrated
Audit Reason: Assign Peak

Report Date: 30-Sep-2011 12:10:56 Chrom Revision: 1.2 13-Jul-2011 10:43:06

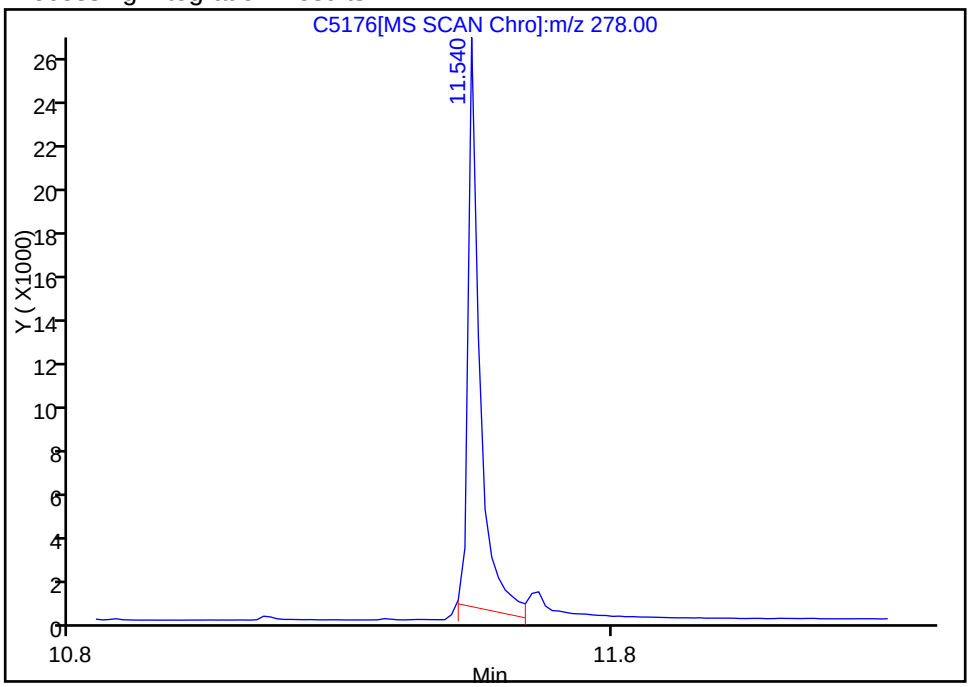
Manual Integration/User Assign Peak Report

Data File:	\\valsvr08\ChromData\SMSB\20110930-5635.b\C5176.D		
Injection Date:	30-Sep-2011 11:55:30	Limit Group:	SMS - 1 - 8270 SIM Calibration
Client ID:		Instrument ID:	SMSB
Lims Batch ID:	87438	Lims Sample ID:	2
Operator ID:	wds	Injection Vol:	1.00 ul

111 Dibenz(a,h)anthracene, Signal: 1, m/z: 278.0 Type: quant, RT: 11.54

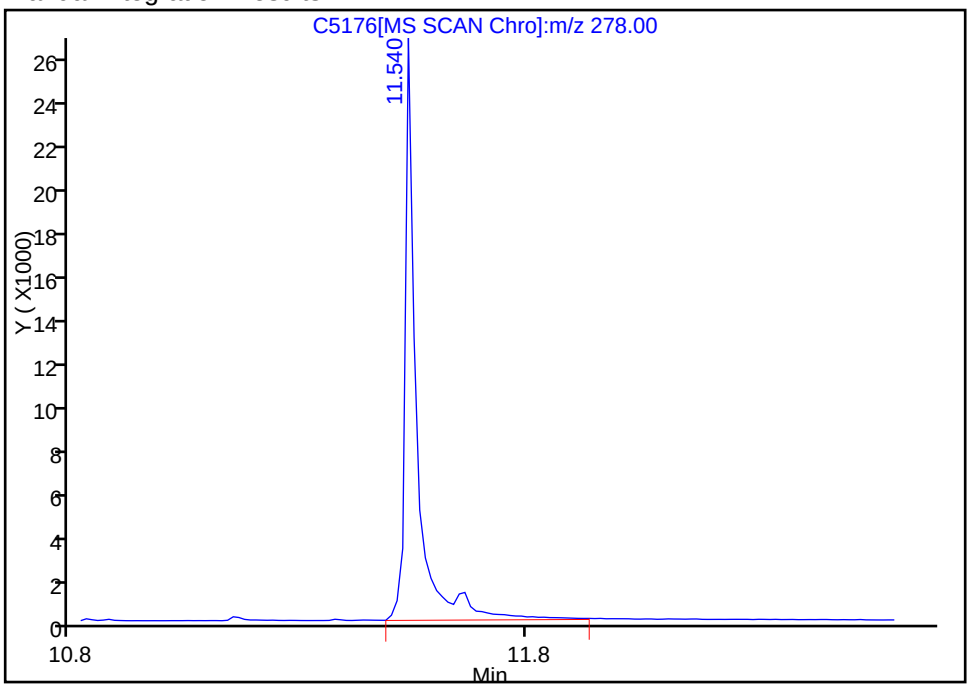
Processing Integration Results

RT: 11.54
Response: 39035
Amount: 15.933678



Manual Integration Results

RT: 11.54
Response: 47273
Amount: 19.254038



Reviewer: squiresb, 30-Sep-2011 12:10:55
Audit Action: Manually Integrated
Audit Reason: Assign Peak

TestAmerica Laboratories
Target Compound Quantitation Report

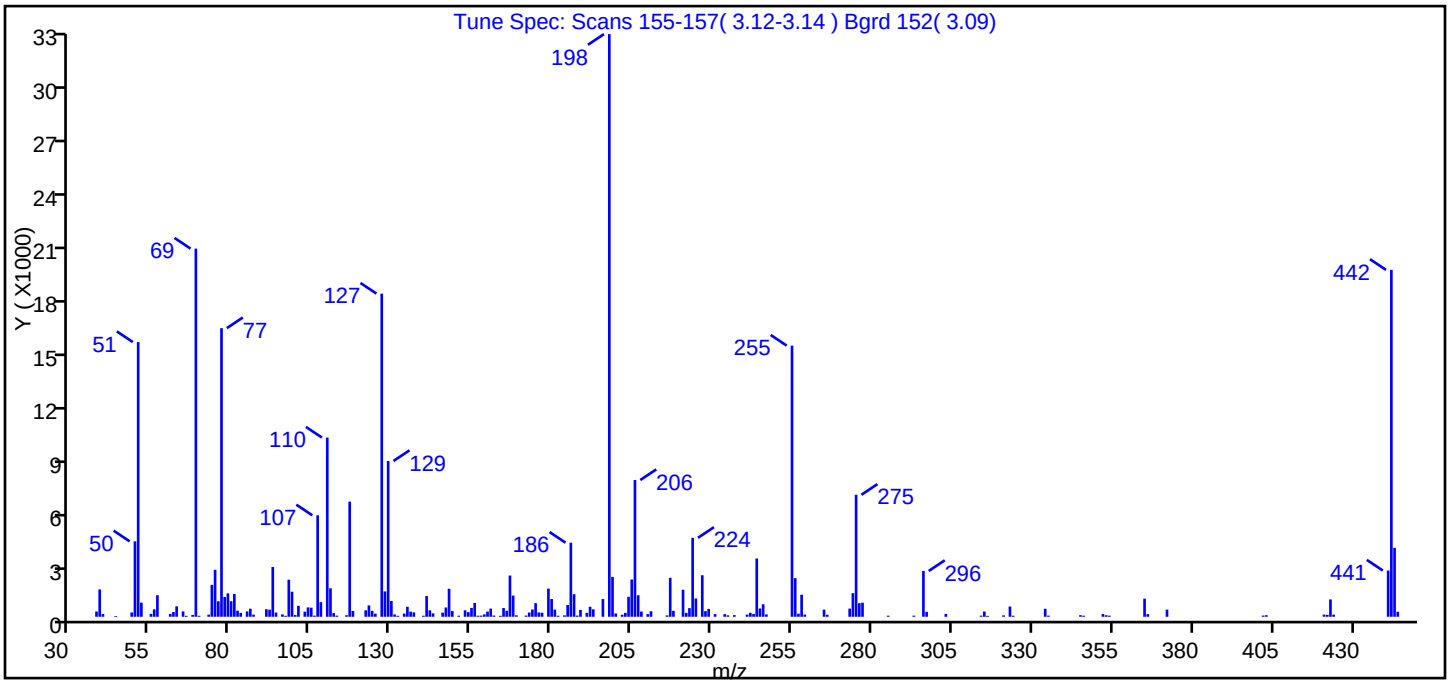
Data File:	\\valsvr08\ChromData\SMSB\20110819-5411.b\C4920.D		
Lims ID:	dftpp	Client ID:	
Inject. Date:	19-Aug-2011 10:07:30	Dil. Factor:	1.0000
Sample Type:	DFTPP		
Sample ID:	dftpp		
Misc. Info.:	510-0005411-001 =510-0005411-001		
Operator:	wds	Instrument ID:	SMSB
Vol. Injected:	1.0000	ALS Bottle#:	1
Lims Batch ID:	85359	Lims Sample ID:	1
Detector:	MS SCAN		
Method:	\\valsvr08\ChromData\SMSB\20110819-5411.b\SIM-PNAB.m		
Last Update:	19-Aug-2011 10:21:25	Calib Date:	18-Aug-2011 15:03:30
Quant Method:	Internal Standard	Quant By:	Initial Calibration
Last ICal File:	\\valsvr08\ChromData\SMSB\20110818-5408.b\C4909.D		
Limit Group:	SMS - 1 - 8270 SIM Calibration		
Integrator:	RTE	ID Type:	RT Order ID
Process Host:	VAL-SMS-LAB1		
First Level Reviewer: squiresb		Date:	19-Aug-2011 10:21:25

Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/ml	Ratio Range	Ratio	Flags
33 DFTPP									
198	3.133	3.133	0.000	0	94258		-1.0- -1.0		

MS Tune Report

Data File:	\\valsvr08\ChromData\SMSB\20110819-5411.b\C4920.D		
Injection Date:	19-Aug-2011 10:07:30	Limit Group:	SMS - 1 - 8270 SIM Calibration
Client ID:		Instrument ID:	SMSB
Lims Batch ID:	85359	Lims Sample ID:	1
Operator ID:	wds	Injection Vol:	1.00 ul
Tune Method:	DFTPP Method 8270		

33 DFTPP



m/z	Ion Abundance Criteria	% Relative Abundance
198	Base Peak, 100% relative abundance	100.00
51	30.00 - 60.00% of mass 198	47.15
68	Less than 2.00% of mass 69	0.31 (0.50)
69	Present	63.18
70	Less than 2.00% of mass 69	0.17 (0.27)
127	40.00 - 60.00% of mass 198	55.46
197	Less than 1.00% of mass 198	0.00
199	5.00 - 9.00% of mass 198	6.85
275	10.00 - 30.00% of mass 198	20.94
365	Greater than 1.00% of mass 198	3.11
441	Present, but less than mass 443%	7.93 (67.15)
442	Greater than 40.00% of mass 198	59.53
443	17.00 - 23.00% of mass 442	11.82 (19.85)

Data File: \\valsvr08\ChromData\SMSB\20110819-5411.b\C4920.D\SIM-PNAB.rslt\spectra.d
Injection Date: 19-Aug-2011 10:07:30
Spectrum: Tune Spec: Scans 155-157(3.12-3.14) Bgrd 152(3.09)
Base Peak: 198.00
Minimum % Base Peak: 0
Number of Points: 192

m/z	Y	m/z	Y	m/z	Y	m/z	Y
38.00	293	108.00	816	173.00	236	243.00	158
39.00	1522	110.00	9976	174.00	403	244.00	3243
40.00	155	111.00	1585	175.00	758	245.00	462
44.00	43	112.00	207	176.00	237	246.00	697
49.00	243	113.00	64	177.00	226	247.00	132
50.00	4200	116.00	86	179.00	1568	255.00	15096
51.00	15294	117.00	6410	180.00	988	256.00	2151
52.00	786	118.00	323	181.00	397	257.00	171
55.00	163	122.00	360	182.00	60	258.00	1226
56.00	413	123.00	633	184.00	80	259.00	122
57.00	1200	124.00	329	185.00	653	265.00	396
61.00	158	125.00	169	186.00	4125	266.00	111
62.00	265	127.00	17992	187.00	1257	273.00	455
63.00	581	128.00	1410	188.00	67	274.00	1315
65.00	300	129.00	8674	189.00	383	275.00	6792
66.00	52	130.00	875	191.00	219	276.00	755
68.00	102	131.00	129	192.00	558	277.00	783
69.00	20496	132.00	54	193.00	414	285.00	62
70.00	56	134.00	176	196.00	985	293.00	62
73.00	116	135.00	558	198.00	32440	296.00	2550
74.00	1778	136.00	286	199.00	2221	297.00	275
75.00	2615	137.00	244	200.00	185	303.00	157
76.00	865	140.00	57	202.00	111	314.00	64
77.00	16069	141.00	1155	203.00	216	315.00	292
78.00	1102	142.00	358	204.00	1112	316.00	50
79.00	1305	143.00	191	205.00	2075	321.00	80
80.00	866	146.00	231	206.00	7613	323.00	572
81.00	1271	147.00	517	207.00	1197	324.00	59
82.00	337	148.00	1560	208.00	293	334.00	446
83.00	217	149.00	318	210.00	147	335.00	63
85.00	299	151.00	58	211.00	307	345.00	89
86.00	449	153.00	359	216.00	75	346.00	61
87.00	119	154.00	257	217.00	2169	352.00	151

Report Date: 19-Aug-2011 10:21:25 Chrom Revision: 1.2 13-Jul-2011 10:43:06
Data File: \\valsvr08\ChromData\SMSB\20110819-5411.b\C4920.D\SIM-PNAB.rslt\spectra.d
Injection Date: 19-Aug-2011 10:07:30
Spectrum: Tune Spec: Scans 155-157(3.12-3.14) Bgrd 152(3.09)
Base Peak: 198.00
Minimum % Base Peak: 0
Number of Points: 192

m/z	Y	m/z	Y	m/z	Y	m/z	Y
91.00	421	155.00	492	218.00	330	353.00	87
92.00	394	156.00	770	221.00	1503	354.00	62
93.00	2770	157.00	61	222.00	218	365.00	1008
94.00	236	158.00	65	223.00	480	366.00	148
96.00	130	159.00	133	224.00	4395	372.00	399
97.00	54	160.00	290	225.00	1017	402.00	68
98.00	2063	161.00	456	227.00	2313	403.00	87
99.00	1393	162.00	69	228.00	314	421.00	122
100.00	95	164.00	55	229.00	435	422.00	109
101.00	609	165.00	487	231.00	148	423.00	966
103.00	284	166.00	335	234.00	145	424.00	117
104.00	522	167.00	2295	235.00	81	441.00	2574
105.00	506	168.00	1179	237.00	93	442.00	19312
106.00	63	169.00	84	241.00	121	443.00	3833
107.00	5648	172.00	67	242.00	219	444.00	280

TestAmerica Laboratories
Target Compound Quantitation Report

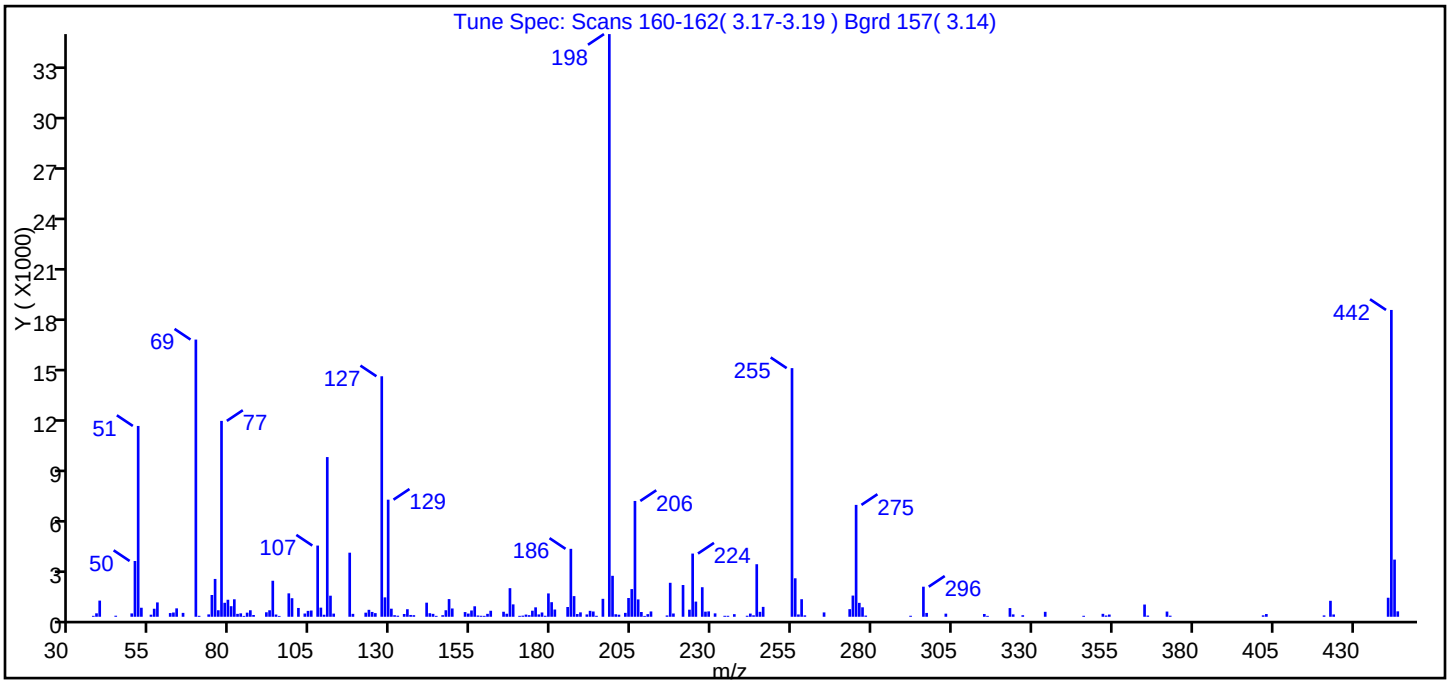
Data File:	\\valsvr08\ChromData\SMSB\20110930-5635.b\C5175.D		
Lims ID:	dftpp	Client ID:	
Inject. Date:	30-Sep-2011 11:44:30	Dil. Factor:	1.0000
Sample Type:	DFTPP		
Sample ID:	dftpp		
Misc. Info.:	510-0005635-001 =510-0005635-001		
Operator:	wds	Instrument ID:	SMSB
Vol. Injected:	1.0000	ALS Bottle#:	1
Lims Batch ID:	87438	Lims Sample ID:	1
Detector:	MS SCAN		
Method:	\\valsvr08\ChromData\SMSB\20110930-5635.b\SIM-PNAB.m		
Last Update:	30-Sep-2011 11:53:06	Calib Date:	19-Aug-2011 12:50:30
Quant Method:	Internal Standard	Quant By:	Initial Calibration
Last ICal File:	\\valsvr08\ChromData\SMSB\20110819-5411.b\C4928.D		
Limit Group:	SMS - 1 - 8270 SIM Calibration		
Integrator:	RTE	ID Type:	RT Order ID
Process Host:	VAL-SMS-LAB1		
First Level Reviewer: squiresb		Date:	30-Sep-2011 11:53:06

Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/ml	Ratio Range	Ratio	Flags
33 DFTPP									
198	3.181	3.181	0.000	0	107353		-1.0- -1.0		

MS Tune Report

Data File:	\\valsvr08\ChromData\SMSB\20110930-5635.b\C5175.D		
Injection Date:	30-Sep-2011 11:44:30	Limit Group:	SMS - 1 - 8270 SIM Calibration
Client ID:		Instrument ID:	SMSB
Lims Batch ID:	87438	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	32.75
68	Less than 2.00% of mass 69	0.00 (0.00)
69	Present	47.57
70	Less than 2.00% of mass 69	0.16 (0.35)
127	40.00 - 60.00% of mass 198	41.28
197	Less than 1.00% of mass 198	0.00
199	5.00 - 9.00% of mass 198	7.03
275	10.00 - 30.00% of mass 198	19.20
365	Greater than 1.00% of mass 198	2.10
441	Present, but less than mass 443%	3.27 (33.27)
442	Greater than 40.00% of mass 198	52.66
443	17.00 - 23.00% of mass 442	9.81 (18.63)

Data File: \\valsvr08\ChromData\SMSB\20110930-5635.b\C5175.D\SIM-PNAB.rslt\spectra.d
Injection Date: 30-Sep-2011 11:44:30
Spectrum: Tune Spec: Scans 160-162(3.17-3.19) Bgrd 157(3.14)
Base Peak: 198.00
Minimum % Base Peak: 0
Number of Points: 180

m/z	Y	m/z	Y	m/z	Y	m/z	Y
37.00	56	109.00	120	174.00	360	241.00	61
38.00	206	110.00	9485	175.00	560	242.00	189
39.00	960	111.00	1251	176.00	140	243.00	88
44.00	63	112.00	188	177.00	255	244.00	3121
49.00	200	117.00	3806	178.00	60	245.00	293
50.00	3313	118.00	173	179.00	1387	246.00	587
51.00	11334	122.00	243	180.00	866	255.00	14768
52.00	536	123.00	413	181.00	431	256.00	2286
55.00	123	124.00	287	185.00	580	257.00	137
56.00	477	125.00	216	186.00	4035	258.00	1043
57.00	853	127.00	14285	187.00	1227	259.00	84
61.00	220	128.00	1152	188.00	162	265.00	259
62.00	253	129.00	6955	189.00	262	273.00	452
63.00	500	130.00	480	191.00	140	274.00	1259
65.00	231	131.00	93	192.00	352	275.00	6645
69.00	16464	132.00	64	193.00	313	276.00	826
70.00	57	134.00	165	194.00	58	277.00	562
73.00	141	135.00	449	196.00	1066	278.00	70
74.00	1293	136.00	107	198.00	34608	292.00	60
75.00	2247	137.00	94	199.00	2433	296.00	1786
76.00	388	141.00	837	200.00	150	297.00	228
77.00	11635	142.00	211	201.00	122	303.00	185
78.00	830	143.00	173	203.00	232	315.00	165
79.00	1011	144.00	54	204.00	1114	316.00	53
80.00	628	146.00	93	205.00	1645	323.00	517
81.00	1038	147.00	388	206.00	6879	324.00	143
82.00	173	148.00	1050	207.00	1032	327.00	91
83.00	205	149.00	493	208.00	283	334.00	294
84.00	51	153.00	279	209.00	50	346.00	58
85.00	244	154.00	190	210.00	155	352.00	175
86.00	386	155.00	374	211.00	316	353.00	74
87.00	104	156.00	623	216.00	78	354.00	132
91.00	267	157.00	76	217.00	2018	365.00	727

Report Date: 30-Sep-2011 11:53:06 Chrom Revision: 1.2 13-Jul-2011 10:43:06
Data File: \\valsvr08\ChromData\SMSB\20110930-5635.b\C5175.D\SIM-PNAB.rslt\spectra.d
Injection Date: 30-Sep-2011 11:44:30
Spectrum: Tune Spec: Scans 160-162(3.17-3.19) Bgrd 157(3.14)
Base Peak: 198.00
Minimum % Base Peak: 0
Number of Points: 180

m/z	Y	m/z	Y	m/z	Y	m/z	Y
92.00	386	158.00	60	218.00	195	366.00	71
93.00	2139	159.00	54	221.00	1886	372.00	310
94.00	133	160.00	174	223.00	420	373.00	65
95.00	50	161.00	357	224.00	3754	402.00	85
98.00	1391	165.00	299	225.00	901	403.00	163
99.00	1102	166.00	180	227.00	1755	421.00	80
101.00	523	167.00	1699	228.00	303	423.00	948
103.00	192	168.00	736	229.00	320	424.00	137
104.00	350	170.00	55	231.00	202	441.00	1130
105.00	372	171.00	68	234.00	58	442.00	18224
107.00	4229	172.00	130	235.00	58	443.00	3396
108.00	542	173.00	94	237.00	155	444.00	322

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Valparaiso | Job No.: 510-70378-1

SDG No.: 0058-373-01

Client Sample ID: | Lab Sample ID: MB 510-87346/1-A

Matrix: Solid | Lab File ID: C5178.D

Analysis Method: 8270C SIM | Date Collected:

Extract. Method: 3541 | Date Extracted: 09/29/2011 08:23

Sample wt/vol: 30(g) | Date Analyzed: 09/30/2011 12:32

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.: 87438 | Units: mg/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
83-32-9	Acenaphthene	<0.020		0.020	0.0025
208-96-8	Acenaphthylene	<0.020		0.020	0.0031
120-12-7	Anthracene	<0.020		0.020	0.0032
56-55-3	Benzo[a]anthracene	<0.020		0.020	0.0021
50-32-8	Benzo[a]pyrene	<0.020		0.020	0.0017
205-99-2	Benzo[b]fluoranthene	<0.020		0.020	0.0029
191-24-2	Benzo[g,h,i]perylene	<0.020		0.020	0.0022
207-08-9	Benzo[k]fluoranthene	<0.020		0.020	0.0021
218-01-9	Chrysene	<0.020		0.020	0.0020
53-70-3	Dibenz(a,h)anthracene	<0.020		0.020	0.0027
206-44-0	Fluoranthene	<0.020		0.020	0.0040
129-00-0	Pyrene	<0.020		0.020	0.0037
86-73-7	Fluorene	<0.020		0.020	0.0027
193-39-5	Indeno[1,2,3-cd]pyrene	<0.020		0.020	0.0022
91-20-3	Naphthalene	<0.020		0.020	0.0033
85-01-8	Phenanthrene	<0.020		0.020	0.0031

CAS NO.	SURROGATE	%REC	Q	LIMITS
1718-51-0	Terphenyl-d14	86		10-194
4165-60-0	Nitrobenzene-d5	54		10-117
321-60-8	2-Fluorobiphenyl	62		16-110

TestAmerica Laboratories
Target Compound Quantitation Report

Data File: \\valsvr08\ChromData\SMSB\20110930-5635.b\C5178.D
Lims ID: MB 510-87346/1-A Client ID:
Inject. Date: 30-Sep-2011 12:32:30 Dil. Factor: 1.0000
Sample Type: MB
Sample ID: MB 87346
Misc. Info.: 510-0005635-004 =510-0005635-004
Operator: wds Instrument ID: SMSB
Vol. Injected: 1.0000 ALS Bottle#: 4
Lims Batch ID: 87438 Lims Sample ID: 4
Detector: MS SCAN

Method: \\valsvr08\ChromData\SMSB\20110930-5635.b\SIM-PNAB.m
Last Update: 30-Sep-2011 12:10:55 Calib Date: 19-Aug-2011 12:50:30
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\valsvr08\ChromData\SMSB\20110819-5411.b\C4928.D
Limit Group: SMS - 1 - 8270 SIM Calibration
Integrator: RTE ID Type: RT Order ID
Process Host: VAL-SMS-LAB1

First Level Reviewer: squiresb Date: 30-Sep-2011 15:03:49

Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/ml	Ratio Range	Ratio	Flags
* 40 1,4-Dichlorobenzene-d4									
152	1.464	1.465	-0.001	1	131436	40.0	70.0- 130.0	100.0	
115	1.453	1.465	-0.012		62890		21.2- 81.2	47.8	
$ 49 Nitrobenzene-d5									
82	2.195	2.207	-0.012	1	97153	27.1	70.0- 130.0	100.0	
128	2.195	2.207	-0.012		59535		224.8- 284.8	61.3	
54	2.195	2.207	-0.012		44938		4.7- 64.7	46.3	
* 57 Naphthalene-d8									
136	3.044	3.056	-0.012	1	262470	40.0	70.0- 130.0	100.0	
$ 66 2-Fluorobiphenyl									
172	4.442	4.443	-0.001	1	217565	31.1			
* 73 Acenaphthene-d10									
164	5.145	5.145	0.000	1	144677	40.0	70.0- 130.0	100.0	
162	5.145	5.145	0.000		125827		57.3- 117.3	87.0	
* 90 Phenanthrene-d10									
188	6.843	6.855	-0.012	1	201334	40.0	70.0- 130.0	100.0	
$ 98 Terphenyl-d14									
244	8.900	8.900	0.000	1	122916	42.9	70.0- 130.0	100.0	
122	8.888	8.900	-0.012		19815		0.0- 49.6	16.1	
* 103 Chrysene-d12									M
240	9.768	9.768	0.000	1	146066	40.0	70.0- 130.0	100.0	M
* 109 Perylene-d12									
264	10.846	10.858	-0.012	1	98943	40.0	70.0- 130.0	100.0	

QC Flag Legend

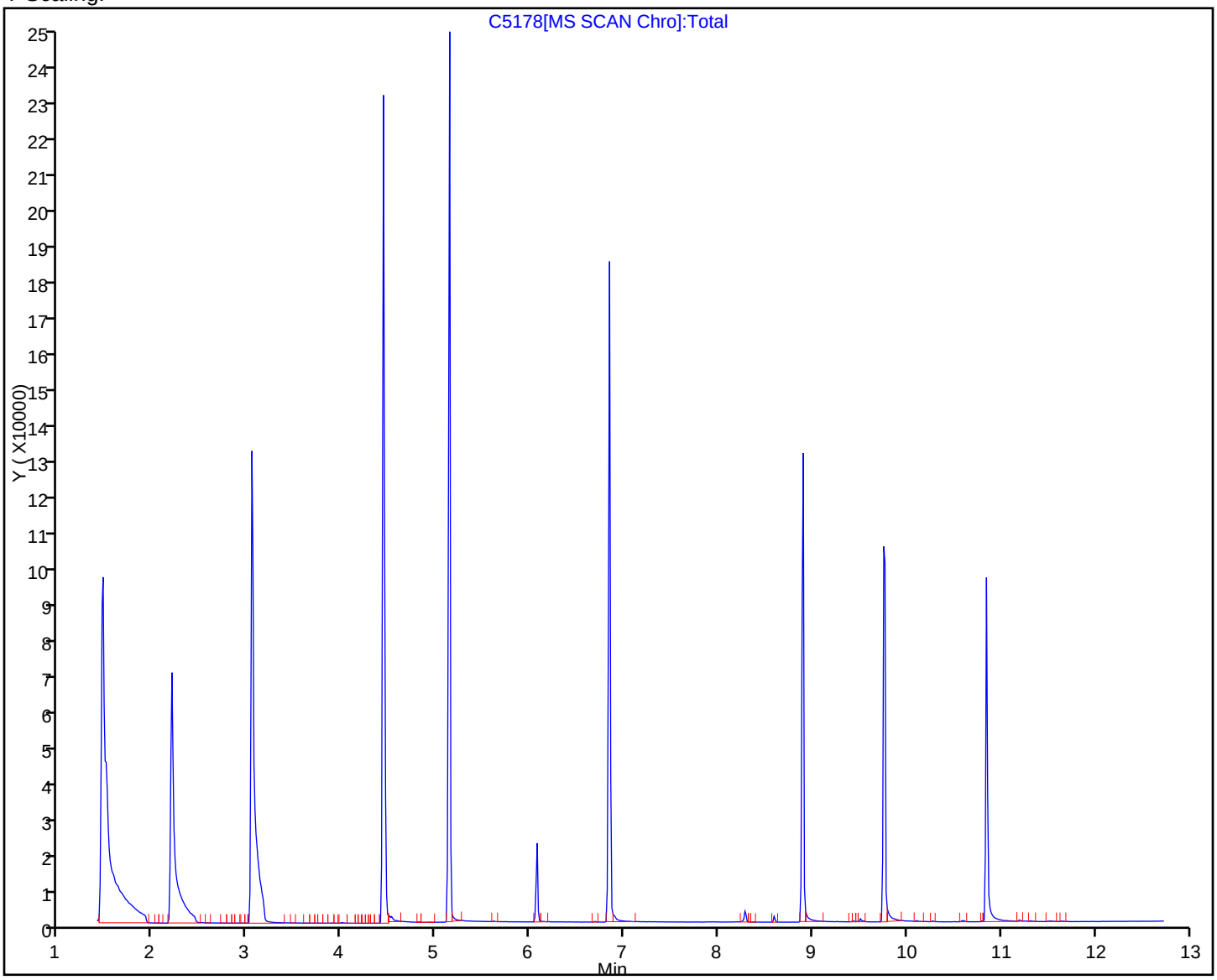
Review Flags
M - Manually Integrated

Report Date: 30-Sep-2011 15:03:49 Chrom Revision: 1.2 13-Jul-2011 10:43:06

Data File: \\valsvr08\ChromData\SMSB\20110930-5635.b\C5178.D

Injection Date:	30-Sep-2011 12:32:30	Limit Group:	SMS - 1 - 8270 SIM Calibration
Client ID:		Instrument ID:	SMSB
Lims Batch ID:	87438	Lims Sample ID:	4
Operator ID:	wds	Injection Vol:	1.00 ul

Y Scaling:



Report Date: 30-Sep-2011 15:03:49 Chrom Revision: 1.2 13-Jul-2011 10:43:06

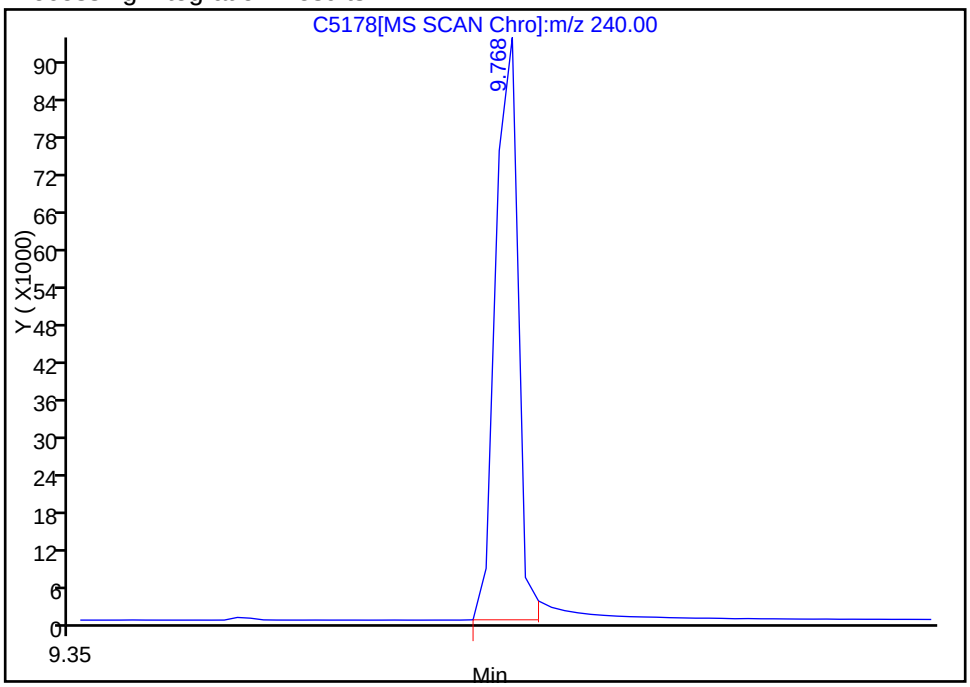
Manual Integration/User Assign Peak Report

Data File:	\\valsvr08\ChromData\SMSB\20110930-5635.b\C5178.D		
Injection Date:	30-Sep-2011 12:32:30	Limit Group:	SMS - 1 - 8270 SIM Calibration
Client ID:		Instrument ID:	SMSB
Lims Batch ID:	87438	Lims Sample ID:	4
Operator ID:	wds	Injection Vol:	1.00 ul

* 103 Chrysene-d12, Signal: 1, m/z: 240.0 Type: quant, RT: 9.77

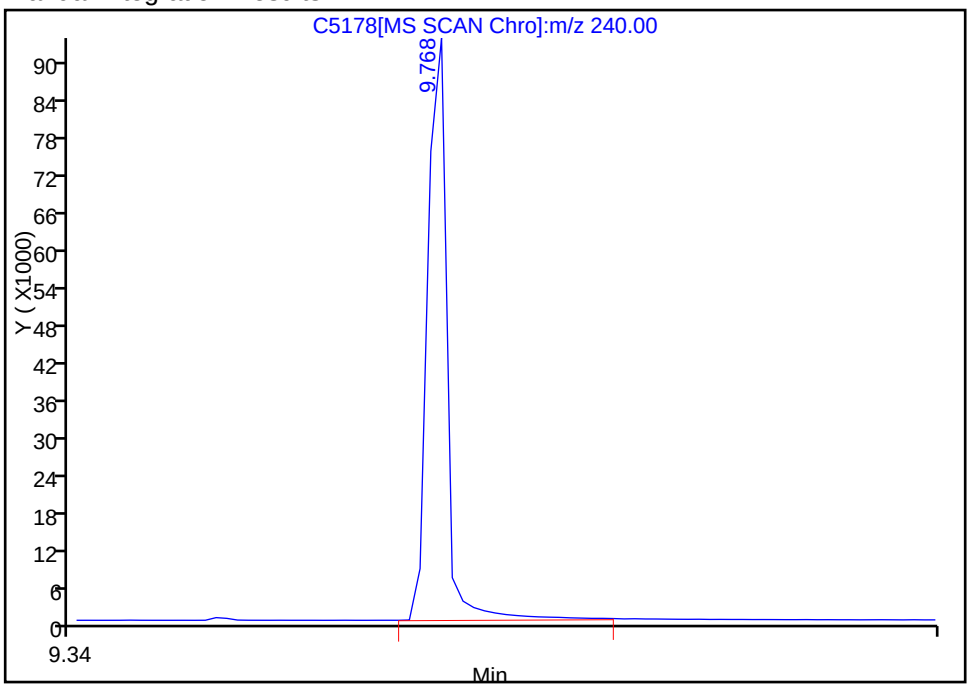
Processing Integration Results

RT: 9.77
Response: 138425
Amount: 40.000000



Manual Integration Results

RT: 9.77
Response: 146066
Amount: 40.000000



Reviewer: squiresb, 30-Sep-2011 15:03:49
Audit Action: Manually Integrated
Audit Reason: Baseline

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Valparaiso | Job No.: 510-70378-1

SDG No.: 0058-373-01

Client Sample ID: | Lab Sample ID: LCS 510-87346/2-A

Matrix: Solid | Lab File ID: C5179.D

Analysis Method: 8270C SIM | Date Collected:

Extract. Method: 3541 | Date Extracted: 09/29/2011 08:23

Sample wt/vol: 30(g) | Date Analyzed: 09/30/2011 12:50

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.: 87438 | 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	1.17		0.020	0.0031
120-12-7	Anthracene	1.35		0.020	0.0032
56-55-3	Benzo[a]anthracene	1.38		0.020	0.0021
50-32-8	Benzo[a]pyrene	1.55		0.020	0.0017
205-99-2	Benzo[b]fluoranthene	1.79		0.020	0.0029
191-24-2	Benzo[g,h,i]perylene	1.68		0.020	0.0022
207-08-9	Benzo[k]fluoranthene	1.37		0.020	0.0021
218-01-9	Chrysene	1.06		0.020	0.0020
53-70-3	Dibenz(a,h)anthracene	1.35		0.020	0.0027
206-44-0	Fluoranthene	1.41		0.020	0.0040
129-00-0	Pyrene	1.60		0.020	0.0037
86-73-7	Fluorene	1.38		0.020	0.0027
193-39-5	Indeno[1,2,3-cd]pyrene	1.55		0.020	0.0022
91-20-3	Naphthalene	1.18		0.020	0.0033
85-01-8	Phenanthrene	1.22		0.020	0.0031

CAS NO.	SURROGATE	%REC	Q	LIMITS
1718-51-0	Terphenyl-d14	99		10-194
4165-60-0	Nitrobenzene-d5	54		10-117
321-60-8	2-Fluorobiphenyl	62		16-110

TestAmerica Laboratories
Target Compound Quantitation Report

Data File: \\valsvr08\ChromData\SMSB\20110930-5635.b\C5179.D
Lims ID: LCS 510-87346/2-A Client ID:
Inject. Date: 30-Sep-2011 12:50:30 Dil. Factor: 1.0000
Sample Type: LCS
Sample ID: LCS 87346
Misc. Info.: 510-0005635-005 =510-0005635-005
Operator: wds Instrument ID: SMSB
Vol. Injected: 1.0000 ALS Bottle#: 5
Lims Batch ID: 87438 Lims Sample ID: 5
Detector: MS SCAN

Method: \\valsvr08\ChromData\SMSB\20110930-5635.b\SIM-PNAB.m
Last Update: 30-Sep-2011 12:10:55 Calib Date: 19-Aug-2011 12:50:30
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\valsvr08\ChromData\SMSB\20110819-5411.b\C4928.D
Limit Group: SMS - 1 - 8270 SIM Calibration
Integrator: RTE ID Type: RT Order ID
Process Host: VAL-SMS-LAB1

First Level Reviewer: squiresb Date: 30-Sep-2011 15:04:46

Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/ml	Ratio Range	Ratio	Flags
* 40 1,4-Dichlorobenzene-d4									
152	1.473	1.465	0.008	1	127088	40.0	70.0- 130.0	100.0	
115	1.473	1.465	0.008		61434		21.2- 81.2	48.3	
$ 49 Nitrobenzene-d5									
82	2.204	2.207	-0.003	1	85451	27.0	70.0- 130.0	100.0	
128	2.204	2.207	-0.003		50778		224.8- 284.8	59.4	
54	2.204	2.207	-0.003		40219		4.7- 64.7	47.1	
* 57 Naphthalene-d8									
136	3.054	3.056	-0.002	1	231861	40.0	70.0- 130.0	100.0	
58 Naphthalene									
128	3.075	3.078	-0.003	0	269943	35.3	70.0- 130.0	100.0	
129	3.075	3.078	-0.003		30888		0.0- 41.0	11.4	
127	3.075	3.078	-0.003		34327		0.0- 42.6	12.7	
62 2-Methylnaphthalene									
142	3.935	3.938	-0.003	1	232642	51.4	70.0- 130.0	100.0	
141	3.935	3.938	-0.003		133327		28.4- 88.4	57.3	
115	3.935	3.938	-0.003		55679		0.0- 54.2	23.9	
$ 66 2-Fluorobiphenyl									
172	4.452	4.443	0.009	1	189836	31.0			
71 Acenaphthylene									
152	4.971	4.959	0.012	1	273445	35.2	70.0- 130.0	100.0	
151	4.971	4.959	0.012		51785		0.0- 49.2	18.9	
* 73 Acenaphthene-d10									
164	5.157	5.145	0.012	1	126706	40.0	70.0- 130.0	100.0	
162	5.157	5.145	0.012		111041		57.3- 117.3	87.6	

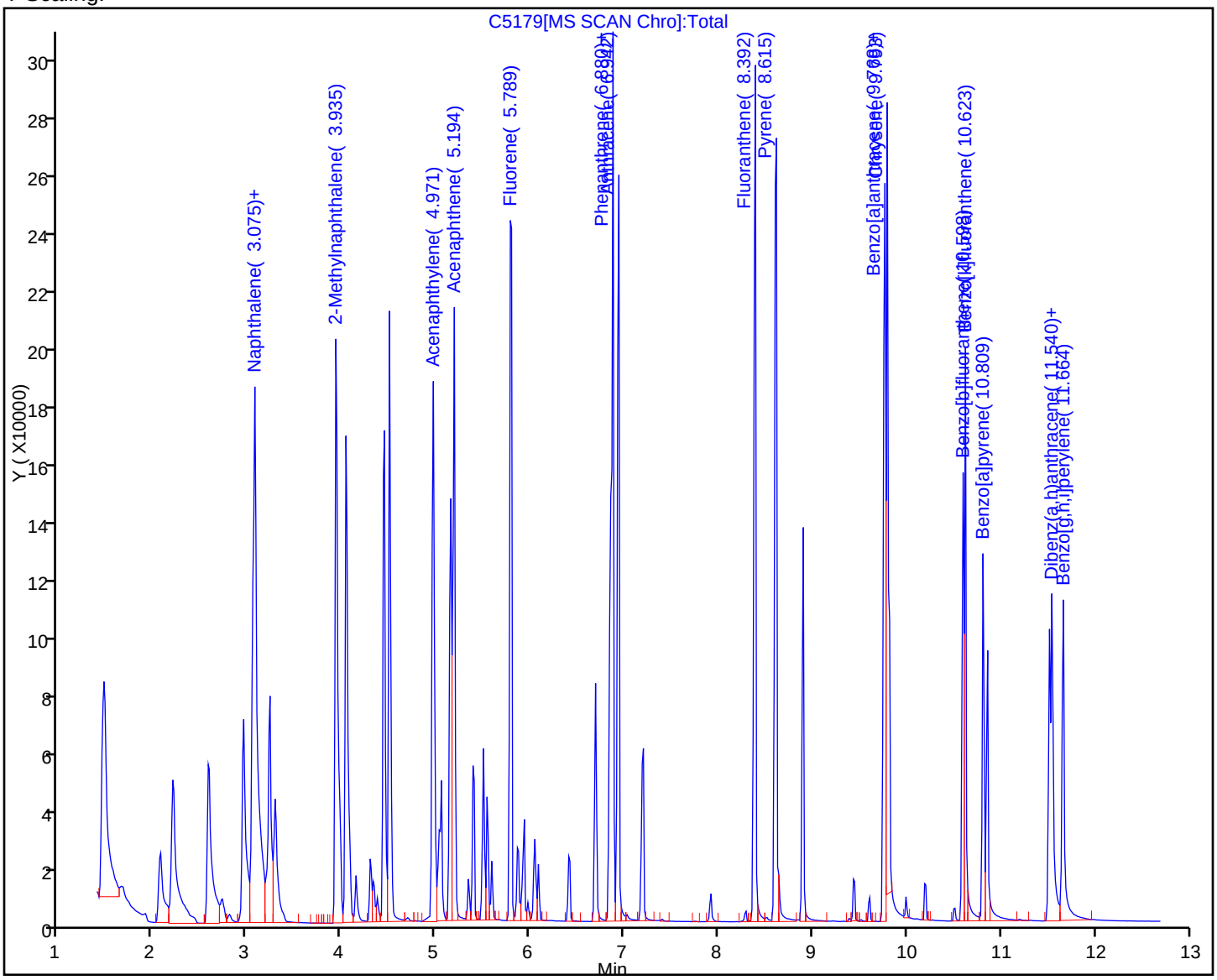
Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/ml	Ratio Range	Ratio	Flags
74 Acenaphthene									M
154	5.194	5.194	0.012	0	154767	35.7	70.0- 130.0	100.0	M
152	0.0	5.194	-5.182		0		25.6- 85.6		
153	0.0	5.194	-5.182		0		77.5- 137.5		
80 Fluorene									
166	5.802	5.789	0.013	7	195068	41.4	70.0- 130.0	100.0	
165	5.789	5.789	0.000		166743		57.1- 117.1	85.5	
* 90 Phenanthrene-d10									
188	6.855	6.855	0.000	1	195148	40.0	70.0- 130.0	100.0	
91 Phenanthrene									
178	6.880	6.867	0.013	1	249720	36.5	70.0- 130.0	100.0	
179	6.880	6.867	0.013		42425		0.0- 46.0	17.0	
92 Anthracene									
178	6.942	6.929	0.013	1	279579	40.4	70.0- 130.0	100.0	
179	6.942	6.929	0.013		47980		0.0- 45.4	17.2	
95 Fluoranthene									
202	8.392	8.380	0.012	1	283107	42.3	70.0- 130.0	100.0	
101	8.380	8.380	0.000		36720		0.0- 44.0	13.0	
203	8.392	8.380	0.012		52774		0.0- 47.6	18.6	
97 Pyrene									
202	8.615	8.603	0.012	17	294881	48.1	70.0- 130.0	100.0	
101	8.603	8.603	0.000		44558		0.0- 45.8	15.1	
$ 98 Terphenyl-d14									
244	8.900	8.900	0.000	1	120020	49.8	70.0- 130.0	100.0	
122	8.888	8.900	-0.012		20108		0.0- 49.6	16.8	
101 Benzo[a]anthracene									
228	9.755	9.755	0.000	0	205507	41.3	70.0- 130.0	100.0	
229	9.755	9.755	0.000		42428		0.0- 49.9	20.6	
226	9.755	9.755	0.000		54795		0.0- 55.6	26.7	
* 103 Chrysene-d12									M
240	9.780	9.768	0.012	1	123010	40.0	70.0- 130.0	100.0	M
104 Chrysene									
228	9.793	9.792	0.001	1	185035	31.8	70.0- 130.0	100.0	
226	9.793	9.792	0.001		53790		0.0- 53.0	29.1	
229	9.793	9.792	0.001		37960		0.0- 48.8	20.5	
106 Benzo[b]fluoranthene									
252	10.598	10.598	0.000	1	193545	53.8	70.0- 130.0	100.0	
253	10.598	10.598	0.000		45097		20.6- 80.6	23.3	
107 Benzo[k]fluoranthene									M
252	10.623	10.623	0.013	1	205361	41.2	70.0- 130.0	100.0	M
253	10.598	10.623	-0.012		45097		0.0- 58.6	22.0	
108 Benzo[a]pyrene									M
252	10.809	10.809	0.000	1	152426	46.6	70.0- 130.0	100.0	M
253	10.809	10.809	0.000		32055		0.0- 54.6	21.0	

Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/ml	Ratio Range	Ratio	Flags
* 109 Perylene-d12									M
264	10.858	10.858	0.000	1	94372	40.0	70.0- 130.0	100.0	M
110 Indeno[1,2,3-cd]pyrene									
276	11.515	11.515	0.000	1	152253	46.4	70.0- 130.0	100.0	
138	11.503	11.515	-0.012		50211		0.0- 47.5	33.0	
111 Dibenz(a,h)anthracene									
278	11.540	11.540	0.000	1	110180	40.5	70.0- 130.0	100.0	
139	11.540	11.540	0.000		24412		0.0- 48.2	22.2	
24 Benzo[g,h,i]perylene									
276	11.664	11.664	0.000	1	150838	50.5	70.0- 130.0	100.0	
138	11.652	11.664	-0.012		39347		0.0- 58.0	26.1	

QC Flag Legend

Review Flags
M - Manually Integrated

Report Date: 30-Sep-2011 15:04:46 Chrom Revision: 1.2 13-Jul-2011 10:43:06
Data File: \\valsvr08\ChromData\SMSB\20110930-5635.b\C5179.D
Injection Date: 30-Sep-2011 12:50:30 Limit Group: SMS - 1 - 8270 SIM Calibration
Client ID: Instrument ID: SMSB
Lims Batch ID: 87438 Lims Sample ID: 5
Operator ID: wds Injection Vol: 1.00 ul
Y Scaling:



Report Date: 30-Sep-2011 15:04:46 Chrom Revision: 1.2 13-Jul-2011 10:43:06

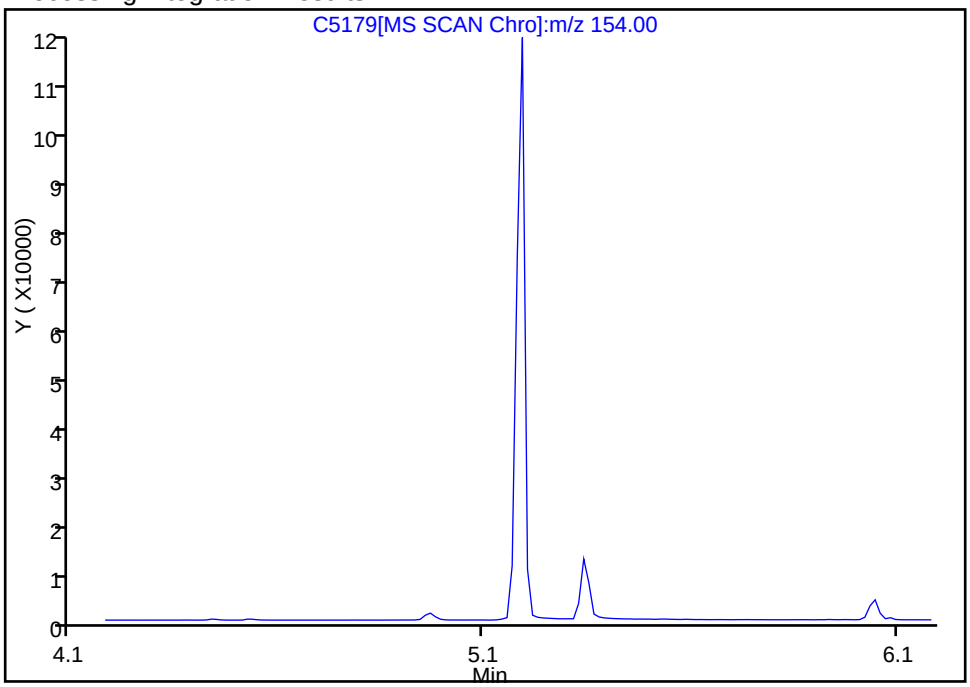
Manual Integration/User Assign Peak Report

Data File:	\\valsvr08\ChromData\SMSB\20110930-5635.b\C5179.D		
Injection Date:	30-Sep-2011 12:50:30	Limit Group:	SMS - 1 - 8270 SIM Calibration
Client ID:		Instrument ID:	SMSB
Lims Batch ID:	87438	Lims Sample ID:	5
Operator ID:	wds	Injection Vol:	1.00 ul

74 Acenaphthene, Signal: 1, m/z: 154.0 Type: quant, RT: 5.18

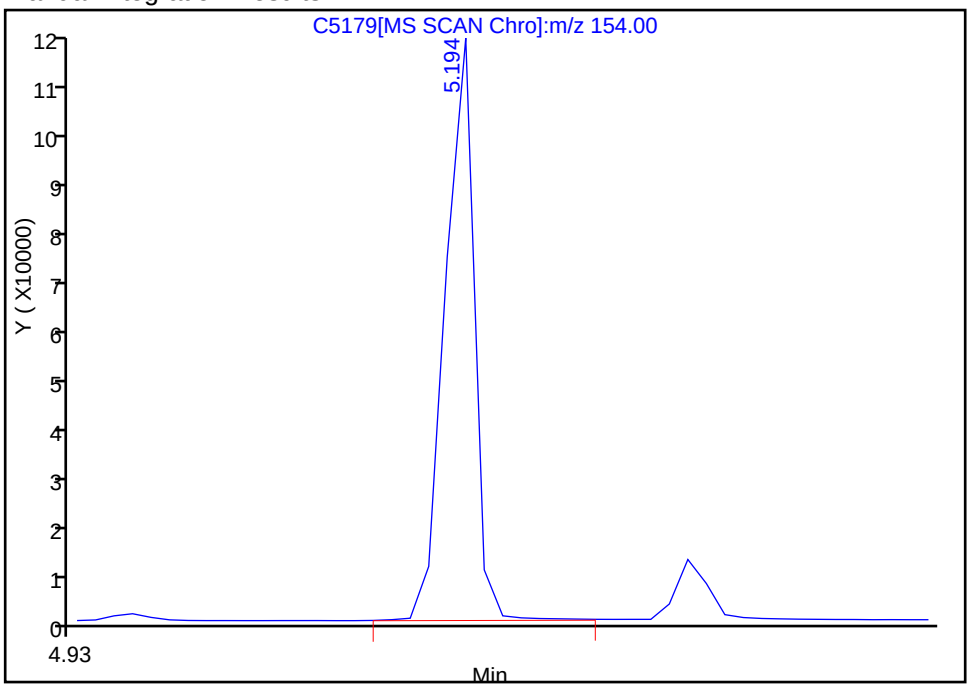
Processing Integration Results

Not Detected
Expected RT: 5.18



Manual Integration Results

RT: 5.19
Response: 154767
Amount: 35.724442



Reviewer: squiresb, 30-Sep-2011 15:04:46
Audit Action: Manually Integrated
Audit Reason: Assign Peak

Report Date: 30-Sep-2011 15:04:46 Chrom Revision: 1.2 13-Jul-2011 10:43:06

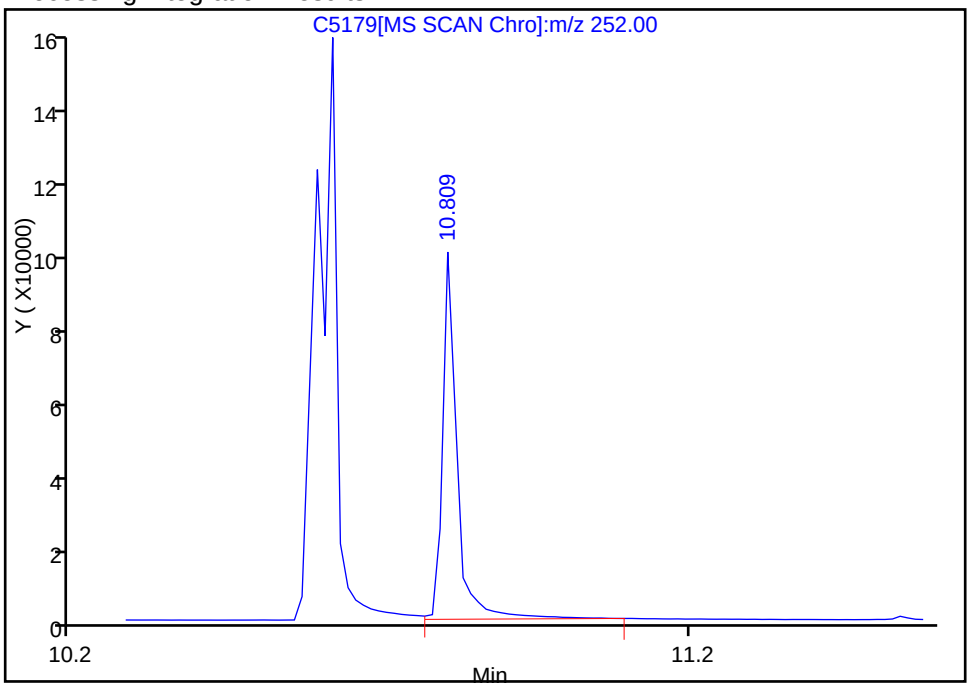
Manual Integration/User Assign Peak Report

Data File:	\\valsvr08\ChromData\SMSB\20110930-5635.b\C5179.D		
Injection Date:	30-Sep-2011 12:50:30	Limit Group:	SMS - 1 - 8270 SIM Calibration
Client ID:		Instrument ID:	SMSB
Lims Batch ID:	87438	Lims Sample ID:	5
Operator ID:	wds	Injection Vol:	1.00 ul

108 Benzo[a]pyrene, Signal: 1, m/z: 252.0 Type: quant, RT: 10.81

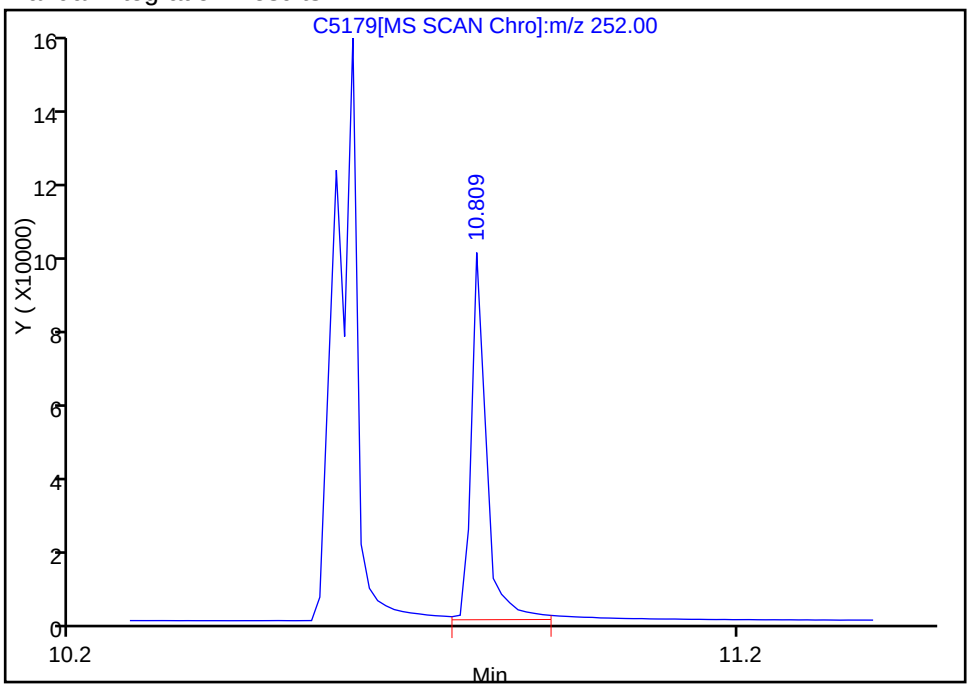
Processing Integration Results

RT: 10.81
Response: 156355
Amount: 47.813764



Manual Integration Results

RT: 10.81
Response: 152426
Amount: 46.612265



Reviewer: squiresb, 30-Sep-2011 15:04:46
Audit Action: Manually Integrated
Audit Reason: Baseline

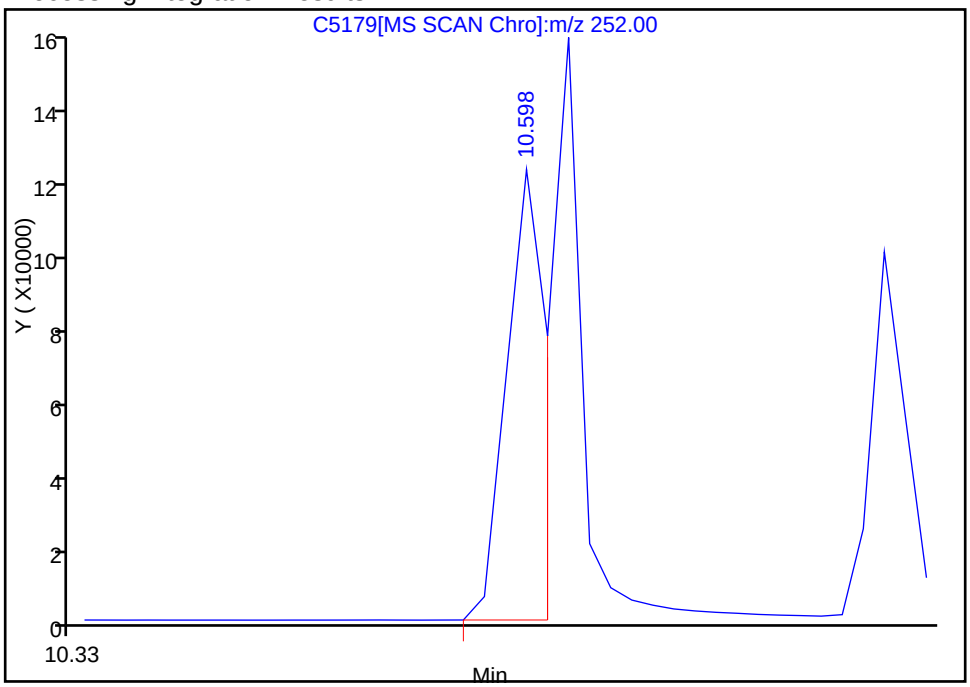
Manual Integration/User Assign Peak Report

Data File:	\\valsvr08\ChromData\SMSB\20110930-5635.b\C5179.D		
Injection Date:	30-Sep-2011 12:50:30	Limit Group:	SMS - 1 - 8270 SIM Calibration
Client ID:		Instrument ID:	SMSB
Lims Batch ID:	87438	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: 10.61

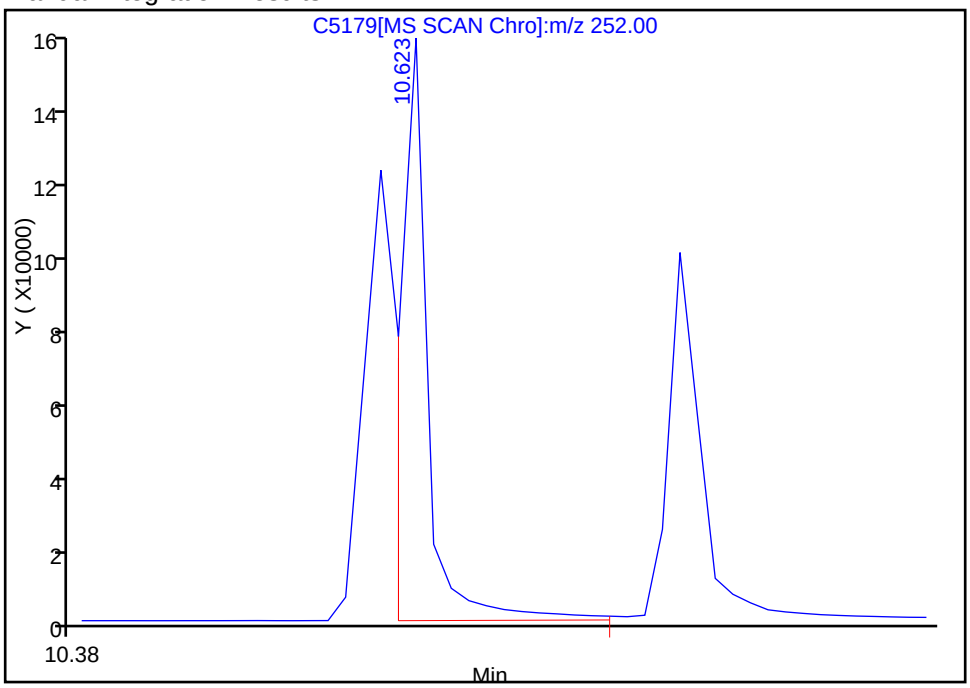
Processing Integration Results

RT: 10.60
Response: 193545
Amount: 41.838627



Manual Integration Results

RT: 10.62
Response: 205361
Amount: 41.249187



Reviewer: squiresb, 30-Sep-2011 15:04:46
Audit Action: Manually Integrated
Audit Reason: Assign Peak

Report Date: 30-Sep-2011 15:04:46 Chrom Revision: 1.2 13-Jul-2011 10:43:06

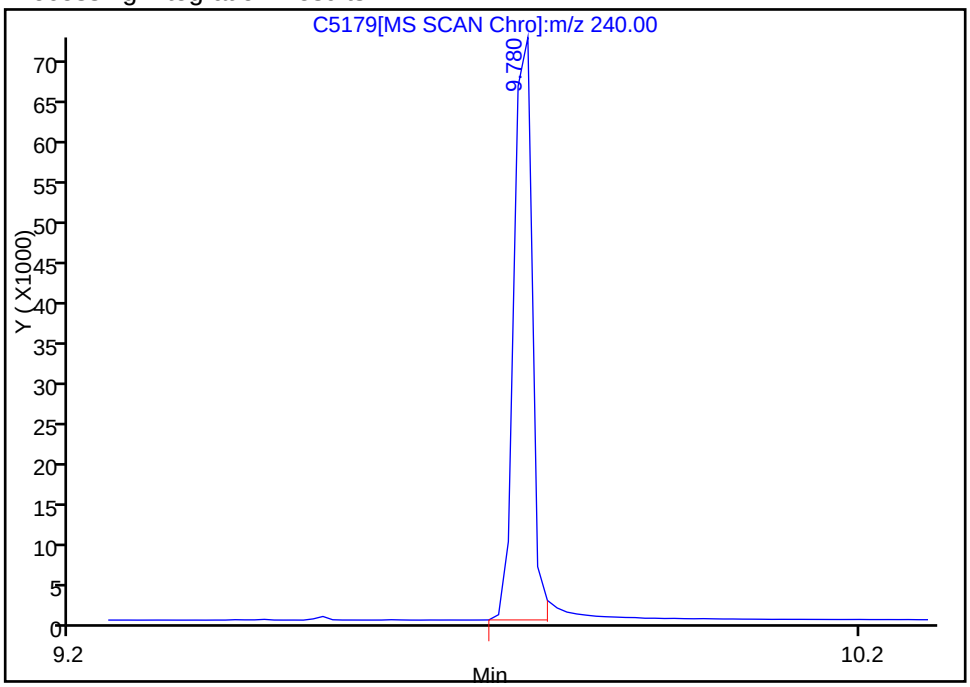
Manual Integration/User Assign Peak Report

Data File:	\\valsvr08\ChromData\SMSB\20110930-5635.b\C5179.D		
Injection Date:	30-Sep-2011 12:50:30	Limit Group:	SMS - 1 - 8270 SIM Calibration
Client ID:		Instrument ID:	SMSB
Lims Batch ID:	87438	Lims Sample ID:	5
Operator ID:	wds	Injection Vol:	1.00 ul

* 103 Chrysene-d12, Signal: 1, m/z: 240.0 Type: quant, RT: 9.77

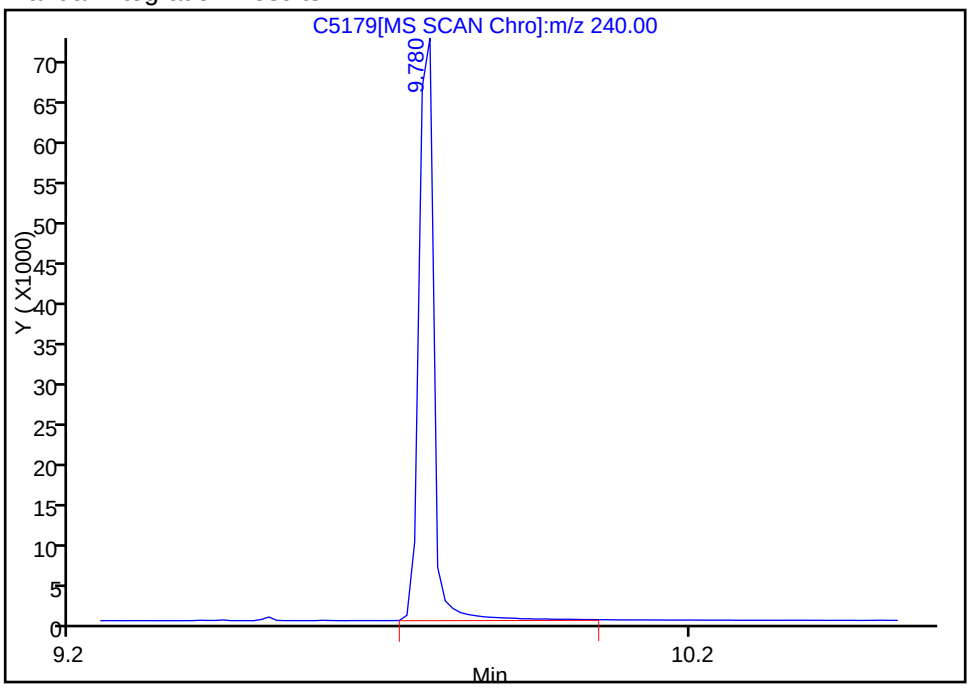
Processing Integration Results

RT: 9.78
Response: 117466
Amount: 40.000000



Manual Integration Results

RT: 9.78
Response: 123010
Amount: 40.000000



Reviewer: squiresb, 30-Sep-2011 15:04:46
Audit Action: Manually Integrated
Audit Reason: Baseline

Report Date: 30-Sep-2011 15:04:46 Chrom Revision: 1.2 13-Jul-2011 10:43:06

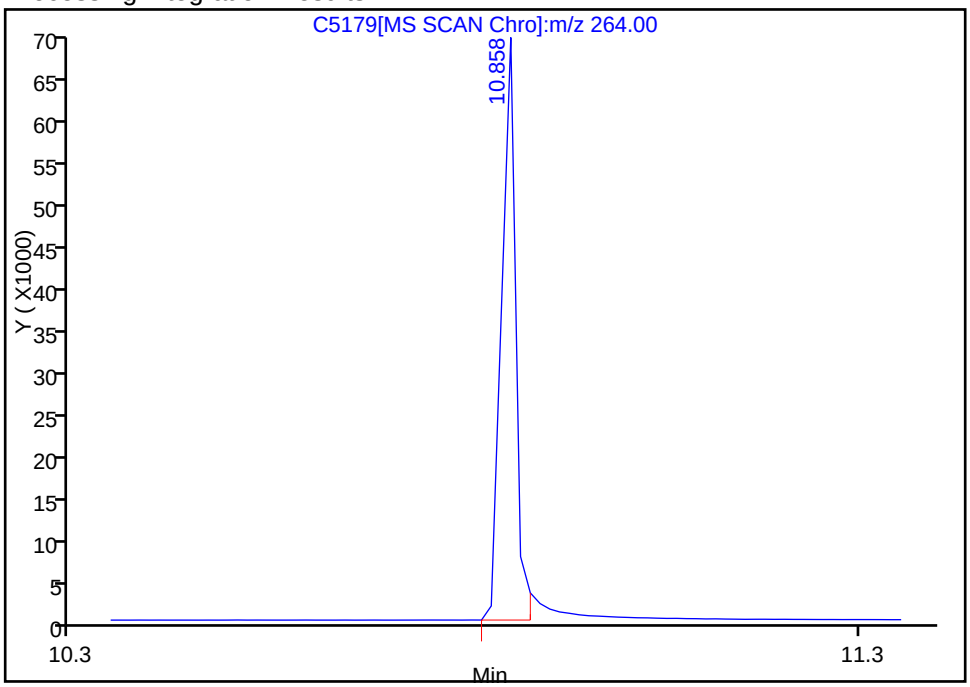
Manual Integration/User Assign Peak Report

Data File:	\\valsvr08\ChromData\SMSB\20110930-5635.b\C5179.D		
Injection Date:	30-Sep-2011 12:50:30	Limit Group:	SMS - 1 - 8270 SIM Calibration
Client ID:		Instrument ID:	SMSB
Lims Batch ID:	87438	Lims Sample ID:	5
Operator ID:	wds	Injection Vol:	1.00 ul

* 109 Perylene-d12, Signal: 1, m/z: 264.0 Type: quant, RT: 10.86

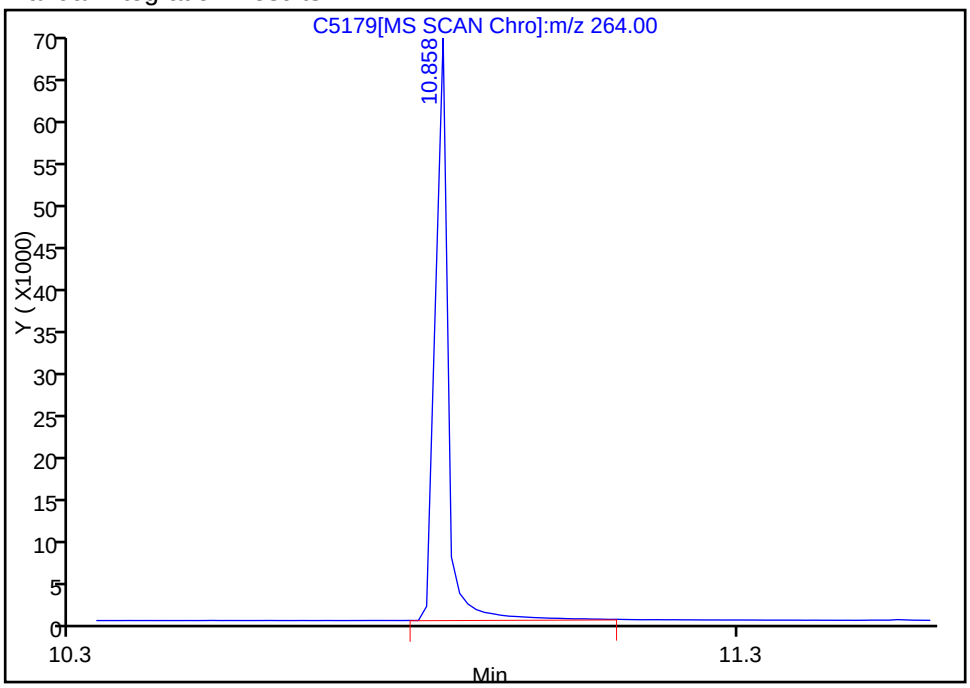
Processing Integration Results

RT: 10.86
Response: 87689
Amount: 40.000000



Manual Integration Results

RT: 10.86
Response: 94372
Amount: 40.000000



Reviewer: squiresb, 30-Sep-2011 15:04:46
Audit Action: Manually Integrated
Audit Reason: Baseline

GC/MS SEMI VOA ANALYSIS RUN LOG

Lab Name: TestAmerica Valparaiso Job No.: 510-70378-1

SDG No.: 0058-373-01

Instrument ID: SMSB Start Date: 08/19/2011 10:07

Analysis Batch Number: 85359 End Date: 08/19/2011 17:26

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
DFTPP 510-85359/1		08/19/2011 10:07	1	C4920.D	8270/625 0.25(mm)
IC 510-85359/2		08/19/2011 10:22	1	C4921.D	8270/625 0.25(mm)
IC 510-85359/3		08/19/2011 10:43	1	C4922.D	8270/625 0.25(mm)
IC 510-85359/4		08/19/2011 11:05	1	C4923.D	8270/625 0.25(mm)
IC 510-85359/5		08/19/2011 11:26	1	C4924.D	8270/625 0.25(mm)
IC 510-85359/6		08/19/2011 11:47	1	C4925.D	8270/625 0.25(mm)
IC 510-85359/7 ICIS		08/19/2011 12:08	1	C4926.D	8270/625 0.25(mm)
IC 510-85359/8		08/19/2011 12:29	1	C4927.D	8270/625 0.25(mm)
IC 510-85359/9		08/19/2011 12:50	1	C4928.D	8270/625 0.25(mm)
ICV 510-85359/10		08/19/2011 13:12	1		8270/625 0.25(mm)
ZZZZZ		08/19/2011 13:33	1		8270/625 0.25(mm)
ZZZZZ		08/19/2011 13:54	1		8270/625 0.25(mm)
ZZZZZ		08/19/2011 14:15	1		8270/625 0.25(mm)
ZZZZZ		08/19/2011 14:36	1		8270/625 0.25(mm)
ZZZZZ		08/19/2011 14:57	1		8270/625 0.25(mm)
ZZZZZ		08/19/2011 15:19	1		8270/625 0.25(mm)
ZZZZZ		08/19/2011 15:40	1		8270/625 0.25(mm)
ZZZZZ		08/19/2011 16:01	1		8270/625 0.25(mm)
ZZZZZ		08/19/2011 16:22	1		8270/625 0.25(mm)
ZZZZZ		08/19/2011 16:43	1		8270/625 0.25(mm)
ZZZZZ		08/19/2011 17:05	10		8270/625 0.25(mm)
ZZZZZ		08/19/2011 17:26	10		8270/625 0.25(mm)

GC/MS SEMI VOA ANALYSIS RUN LOG

Lab Name: TestAmerica Valparaiso Job No.: 510-70378-1

SDG No.: 0058-373-01

Instrument ID: SMSB Start Date: 09/30/2011 11:44

Analysis Batch Number: 87438 End Date: 09/30/2011 20:57

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
DFTPP 510-87438/1		09/30/2011 11:44	1	C5175.D	8270/625 0.25(mm)
SSTD020 510-87438/2 CCVIS		09/30/2011 11:55	1	C5176.D	8270/625 0.25(mm)
ZZZZZ		09/30/2011 12:14	1		8270/625 0.25(mm)
MB 510-87346/1-A		09/30/2011 12:32	1	C5178.D	8270/625 0.25(mm)
LCS 510-87346/2-A		09/30/2011 12:50	1	C5179.D	8270/625 0.25(mm)
ZZZZZ		09/30/2011 13:08	1		8270/625 0.25(mm)
ZZZZZ		09/30/2011 13:26	1		8270/625 0.25(mm)
ZZZZZ		09/30/2011 13:44	1		8270/625 0.25(mm)
ZZZZZ		09/30/2011 14:02	1		8270/625 0.25(mm)
ZZZZZ		09/30/2011 14:20	1		8270/625 0.25(mm)
ZZZZZ		09/30/2011 14:37	1		8270/625 0.25(mm)
ZZZZZ		09/30/2011 14:55	1		8270/625 0.25(mm)
ZZZZZ		09/30/2011 15:13	1		8270/625 0.25(mm)
ZZZZZ		09/30/2011 15:31	1		8270/625 0.25(mm)
ZZZZZ		09/30/2011 15:49	1		8270/625 0.25(mm)
ZZZZZ		09/30/2011 16:07	1		8270/625 0.25(mm)
ZZZZZ		09/30/2011 16:25	1		8270/625 0.25(mm)
ZZZZZ		09/30/2011 16:43	1		8270/625 0.25(mm)
ZZZZZ		09/30/2011 17:01	1		8270/625 0.25(mm)
ZZZZZ		09/30/2011 17:19	1		8270/625 0.25(mm)
510-70378-1	Foundry Fill #1	09/30/2011 17:38	1	C5195.D	8270/625 0.25(mm)
510-70378-2	Foundry Fill #2	09/30/2011 17:56	1	C5196.D	8270/625 0.25(mm)
ZZZZZ		09/30/2011 18:14	1		8270/625 0.25(mm)
ZZZZZ		09/30/2011 18:32	1		8270/625 0.25(mm)
ZZZZZ		09/30/2011 18:50	1		8270/625 0.25(mm)
ZZZZZ		09/30/2011 19:08	1		8270/625 0.25(mm)
ZZZZZ		09/30/2011 19:26	1		8270/625 0.25(mm)
ZZZZZ		09/30/2011 19:44	1		8270/625 0.25(mm)
ZZZZZ		09/30/2011 20:02	1		8270/625 0.25(mm)
ZZZZZ		09/30/2011 20:21	1		8270/625 0.25(mm)
ZZZZZ		09/30/2011 20:39	1		8270/625 0.25(mm)
ZZZZZ		09/30/2011 20:57	10		8270/625 0.25(mm)

GC/MS SEMI VOA BATCH WORKSHEET

Lab Name: TestAmerica Valparaiso Job No.: 510-70378-1

SDG No.: 0058-373-01

Batch Number: 87346 Batch Start Date: 09/29/11 08:23 Batch Analyst: Page, Sarah N

Batch Method: 3541 Batch End Date:

Lab Sample ID	Client Sample ID	Method Chain	Basis	InitialAmount	FinalAmount	MSB-SPIKE 00040	MSBSurr 00031		
MB 510-87346/1		3541, 8270C SIM		30 g	1 mL		500 uL		
LCS 510-87346/2		3541, 8270C SIM		30 g	1 mL	500 uL	500 uL		
510-70378-F-1	Foundry Fill #1	3541, 8270C SIM	T	30.22 g	1 mL		500 uL		
510-70378-F-2	Foundry Fill #2	3541, 8270C SIM	T	30.47 g	1 mL		500 uL		

Batch Notes	
Balance ID	37912
Blank Soil Lot Number	opsand_00006
DCM/CS2 ID	dcm_00061
Vendor lot number	dcm_00061
N-evap temperature	32 Degrees C
Na2SO4 Lot Number	opna2so4_00020
Person's name who did the prep	Sarah Page
Solvent	dcm
Soxtherm Temperature	150
Soxtherm Unit	1, 2
First Start time	0825
ID number of the thermometer	4907

Basis	Basis Description
T	Total/NA

Method 8015B - DRO

Diesel Range Organics (DRO) (GC) by Method 8015B

FORM II
DIESEL RANGE ORGANICS SURROGATE RECOVERY

Lab Name: TestAmerica Valparaiso Job No.: 510-70378-1

SDG No.: 0058-373-01

Matrix: Solid Level: Low

GC Column (1): 8015 ID: 0.25(mm)

Client Sample ID	Lab Sample ID	DBP1 #
Foundry Fill #1 DL	510-70378-1 DL	72
Foundry Fill #2	510-70378-2	24
	MB 510-87418/1-A	63
	LCS 510-87418/2-A	76

	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.: 510-70378-1

SDG No.: 0058-373-01

Matrix: Solid Level: Low Lab File ID: C6060.D

Lab ID: LCS 510-87418/2-A Client ID:

COMPOUND	SPIKE ADDED (mg/Kg)	LCS CONCENTRATION (mg/Kg)	LCS % REC	QC LIMITS REC	#
C8-C36	33.2	26.1	79	30-146	

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.: 510-70378-1

SDG No.: 0058-373-01

Lab Sample ID: MB 510-87418/1-A

Matrix: Solid Date Extracted: 09/30/2011 07:50

Lab File ID:(1) C6059.D Lab File ID:(2)

Date Analyzed:(1) 09/30/2011 15:40 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 510-87418/2-A	09/30/2011 16:12	
Foundry Fill #1 DL	510-70378-1 DL	10/03/2011 11:53	
Foundry Fill #2	510-70378-2	10/04/2011 21:46	

FORM I
DIESEL RANGE ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Valparaiso Job No.: 510-70378-1

SDG No.: 0058-373-01

Client Sample ID: Foundry Fill #1 DL Lab Sample ID: 510-70378-1 DL

Matrix: Solid Lab File ID: C6074.D

Analysis Method: 8015B Date Collected: 09/23/2011 09:00

Extraction Method: 3546 Date Extracted: 09/30/2011 07:50

Sample wt/vol: 30.12(g) Date Analyzed: 10/03/2011 11:53

Con. Extract Vol.: 1(mL) Dilution Factor: 5

Injection Volume: 1(uL) GC Column: 8015 (ERO/DRO) ID: 0.25(mm)

% Moisture: 5.8 GPC Cleanup:(Y/N) N

Analysis Batch No.: 87521 Units: mg/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
STL00524	C8-C36	150		110	16

CAS NO.	SURROGATE	%REC	Q	LIMITS
434-90-2	Decafluorobiphenyl	72		10-122

TestAmerica Laboratories
Target Compound Quantitation Report

Data File:	\\valsvr08\ChromData\SGCC\20111003-5656.b\C6074.D		
Lims ID:	510-70378-F-1-C	Client ID:	Foundry Fill #1
Inject. Date:	03-Oct-2011 11:53:40	Dil. Factor:	5.0000
Sample Type:	Client		
Sample ID:	510-70378-f-1-c		
Misc. Info.:			
Operator:	CI	Instrument ID:	SGCC
Vol. Injected:	1.0000	ALS Bottle#:	9
Lims Batch ID:	87521	Lims Sample ID:	8
Detector:	GC FID1A		
Method:	\\valsvr08\ChromData\SGCC\20111003-5656.b\DRO_8015.m		
Last Update:	03-Oct-2011 09:43:51	Calib Date:	18-Jul-2011 14:23:06
Quant Method:	External Standard	Quant By:	Initial Calibration
Last ICal File:	\\valsvr08\ChromData\SGCC\20110718-5233.b\G5215.D		
Limit Group:	SGC - 8015 DRO_ERO Calibration		
Integrator:	Falcon		
Process Host:	VAL-SMS-LAB3		
First Level Reviewer: iversc		Date:	03-Oct-2011 13:07:09

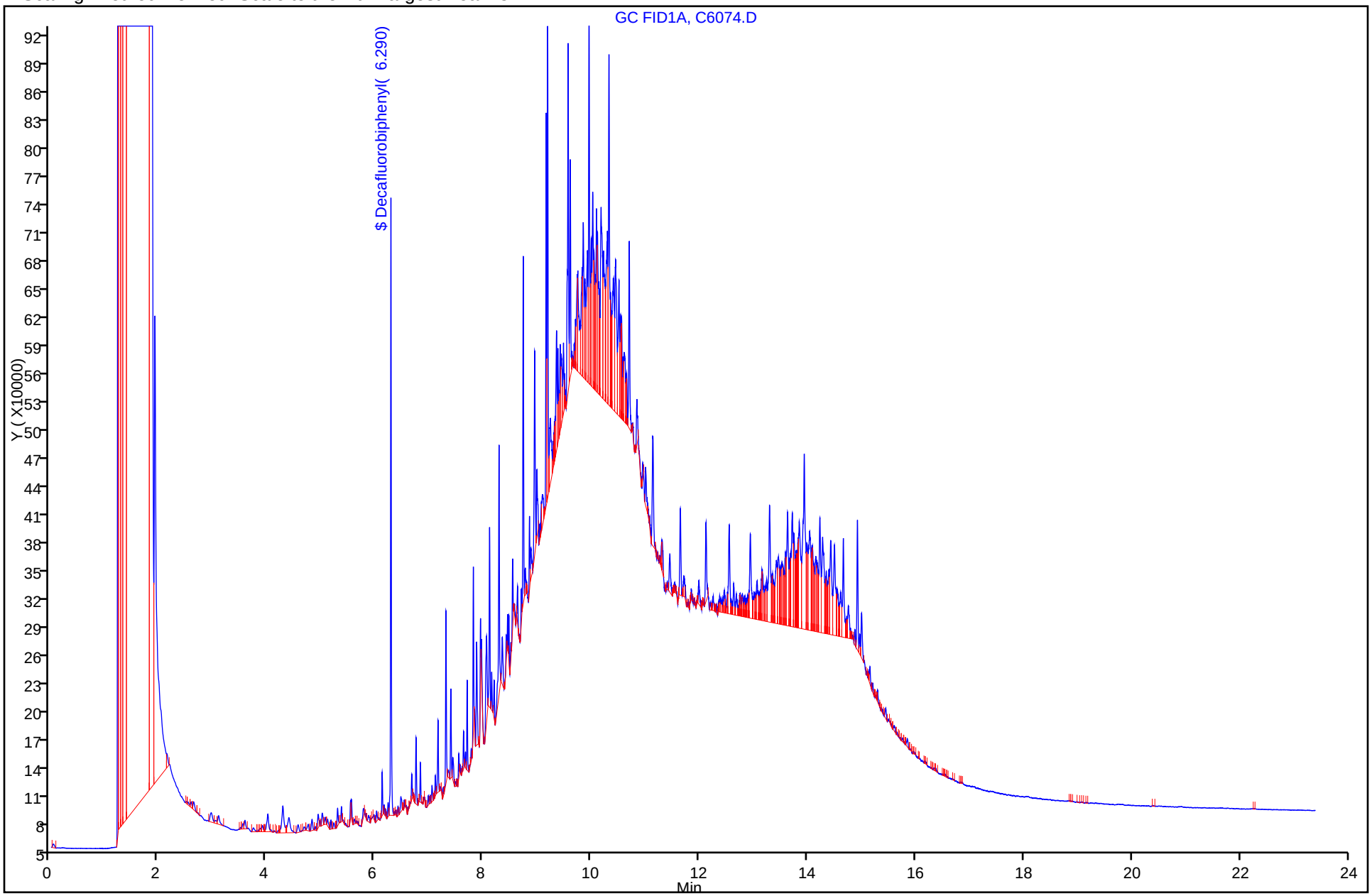
	Compound	RT	EXP RT	DLT RT	Response	On-Col Amt ug/ml	Flags
$	2 Decafluorobiphenyl	6.290	6.297	-0.007	636923	5.78	
A	3 C8-C36	9.528	2.971 - 16.086		156222038	840.4	

Report Date: 03-Oct-2011 13:07:09 Chrom Revision: 1.2 13-Jul-2011 10:43:06

Data File: \\valsvr08\ChromData\SGCC\20111003-5656.b\C6074.D

Injection Date:	03-Oct-2011 11:53:40	Limit Group:	SGC - 8015 DRO_ERO Calibration
Client ID:	Foundry Fill #1	Instrument ID:	SGCC
Lims Batch ID:	87521	Lims Sample ID:	8
Operator ID:	CI	Injection Vol:	1.00 ul

Y Scaling: Method Defined: Scale to the Nth Largest Peak: 8

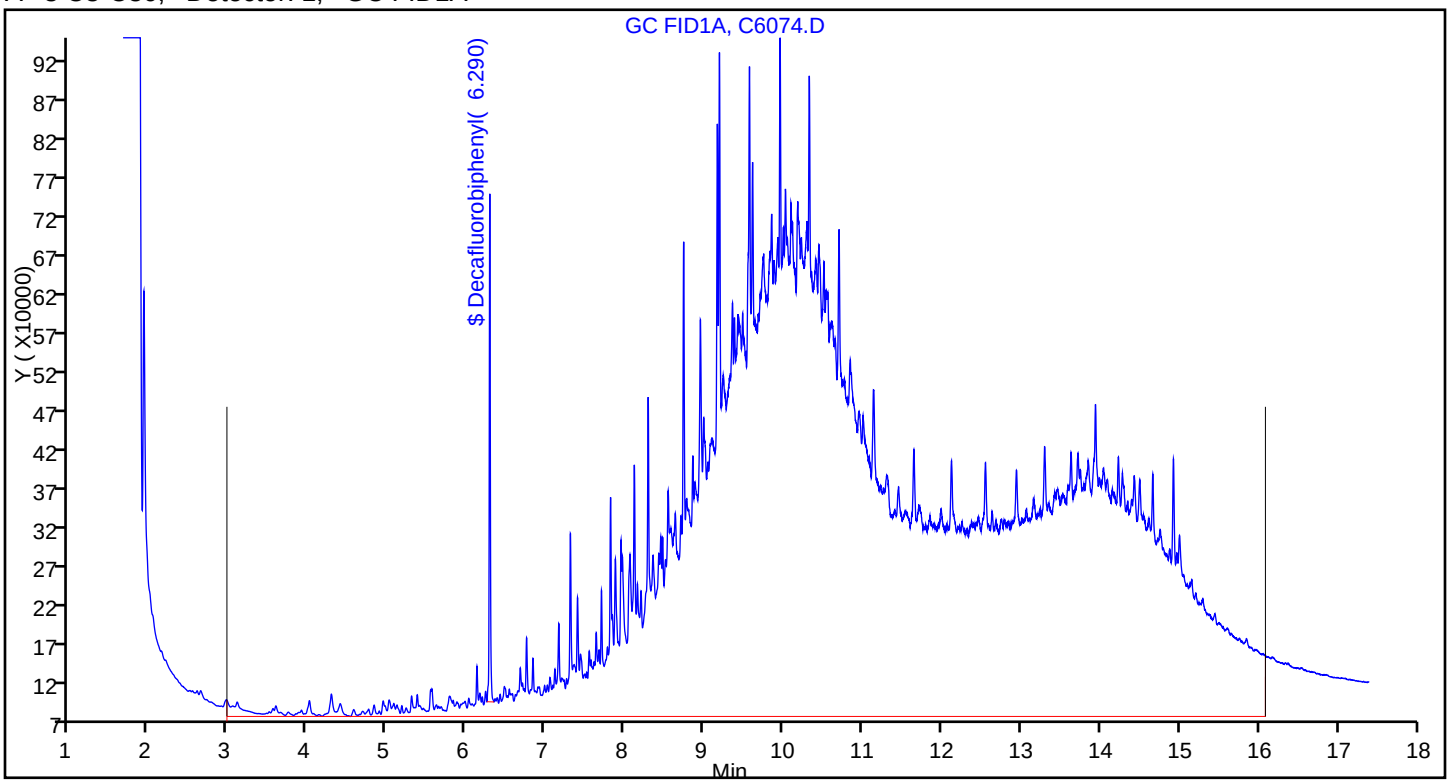


Report Date: 03-Oct-2011 13:07:09 Chrom Revision: 1.2 13-Jul-2011 10:43:06

Data File: \\valsvr08\ChromData\SGCC\20111003-5656.b\C6074.D

Injection Date:	03-Oct-2011 11:53:40	Limit Group:	SGC - 8015 DRO_ERO Calibration
Client ID:	Foundry Fill #1	Instrument ID:	SGCC
Lims Batch ID:	87521	Lims Sample ID:	8
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.: 510-70378-1

SDG No.: 0058-373-01

Client Sample ID: Foundry Fill #2 Lab Sample ID: 510-70378-2

Matrix: Solid Lab File ID: C6124.D

Analysis Method: 8015B Date Collected: 09/23/2011 09:15

Extraction Method: 3546 Date Extracted: 09/30/2011 07:50

Sample wt/vol: 30.85(g) Date Analyzed: 10/04/2011 21:46

Con. Extract Vol.: 1(mL) Dilution Factor: 1

Injection Volume: 1(uL) GC Column: 8015 (ERO/DRO) ID: 0.25(mm)

% Moisture: 5.7 GPC Cleanup:(Y/N) N

Analysis Batch No.: 87599 Units: mg/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
STL00524	C8-C36	85		21	3.0

CAS NO.	SURROGATE	%REC	Q	LIMITS
434-90-2	Decafluorobiphenyl	24		10-122

TestAmerica Laboratories
Target Compound Quantitation Report

Data File:	\\valsvr08\ChromData\SGCC\20111004-5665.b\C6124.D		
Lims ID:	510-70378-F-2-C	Client ID:	Foundry Fill #2
Inject. Date:	04-Oct-2011 21:46:32	Dil. Factor:	1.0000
Sample Type:	Client		
Sample ID:	510-70378-f-2-c		
Misc. Info.:			
Operator:	CI/WDS	Instrument ID:	SGCC
Vol. Injected:	1.0000	ALS Bottle#:	44
Lims Batch ID:	87599	Lims Sample ID:	25
Detector:	GC FID1A		
Method:	\\valsvr08\ChromData\SGCC\20111004-5665.b\DRO_8015.m		
Last Update:	05-Oct-2011 08:28:59	Calib Date:	18-Jul-2011 14:23:06
Quant Method:	External Standard	Quant By:	Initial Calibration
Last ICal File:	\\valsvr08\ChromData\SGCC\20110718-5233.b\G5215.D		
Limit Group:	SGC - 8015 DRO_ERO Calibration		
Integrator:	Falcon		
Process Host:	VAL-SMS-LAB3		
First Level Reviewer: iversc		Date:	05-Oct-2011 08:31:05

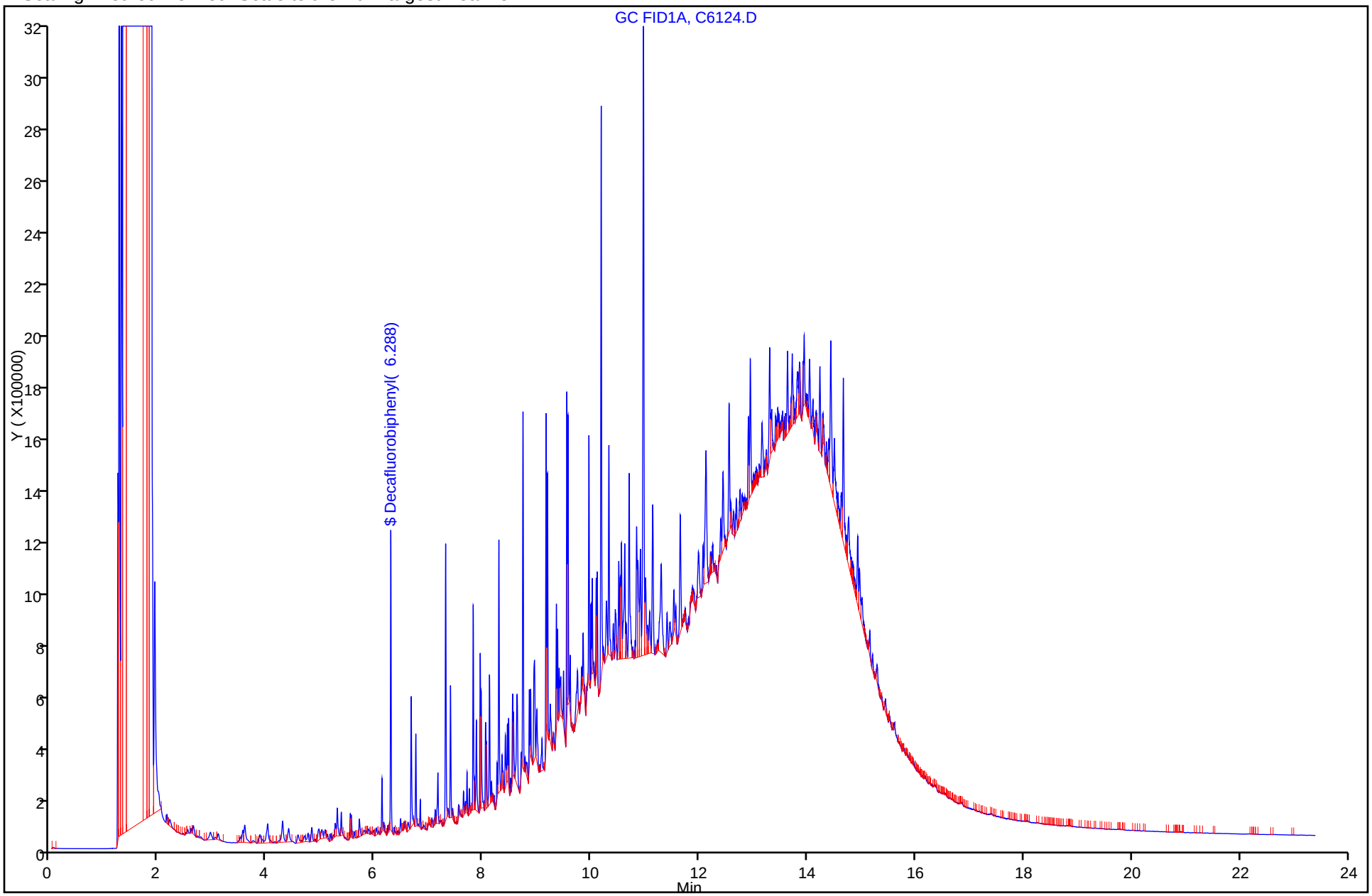
	Compound	RT	EXP RT	DLT RT	Response	On-Col Amt ug/ml	Flags
$	2 Decafluorobiphenyl	6.288	6.297	-0.009	1049474	9.53	
A	3 C8-C36	9.534	2.967 - 16.102		460525759	2477.3	

Report Date: 05-Oct-2011 08:31:05 Chrom Revision: 1.2 13-Jul-2011 10:43:06

Data File: \\valsvr08\ChromData\SGCC\20111004-5665.b\C6124.D

Injection Date:	04-Oct-2011 21:46:32	Limit Group:	SGC - 8015 DRO_ERO Calibration
Client ID:	Foundry Fill #2	Instrument ID:	SGCC
Lims Batch ID:	87599	Lims Sample ID:	25
Operator ID:	CI/WDS	Injection Vol:	1.00 ul

Y Scaling: Method Defined: Scale to the Nth Largest Peak: 8



Report Date: 05-Oct-2011 08:31:06 Chrom Revision: 1.2 13-Jul-2011 10:43:06

Data File: \\valsvr08\ChromData\SGCC\20111004-5665.b\C6124.D

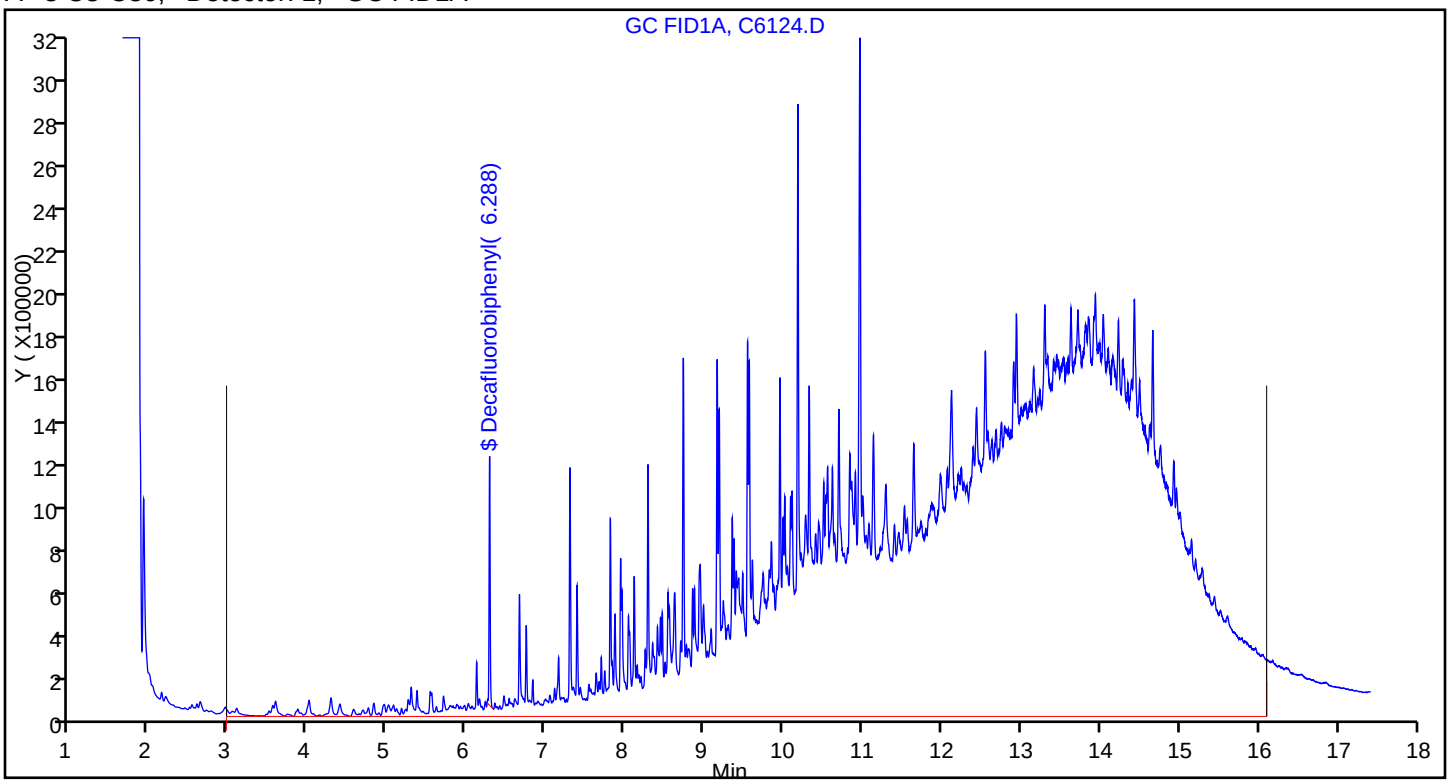
Injection Date: 04-Oct-2011 21:46:32 Limit Group: SGC - 8015 DRO_ERO Calibration

Client ID: Foundry Fill #2 Instrument ID: SGCC

Lims Batch ID: 87599 Lims Sample ID: 25

Operator ID: CI/WDS Injection Vol: 1.00 ul

A 3 C8-C36, Detector: 1, GC FID1A



FORM VI
DIESEL RANGE ORGANICS INITIAL CALIBRATION DATA
EXTERNAL STANDARD RETENTION TIME SUMMARY

Lab Name: TestAmerica Valparaiso Job No.: 510-70378-1 Analy Batch No.: 83682

SDG No.: 0058-373-01

Instrument ID: SGCC GC Column: 8015 ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 07/18/2011 10:27 Calibration End Date: 07/18/2011 14:23 Calibration ID: 4112

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	STD 510-83682/3	G5208.D
Level 2	STD 510-83682/4	G5209.D
Level 3	STD 510-83682/5	G5210.D
Level 4	STD 510-83682/6	G5211.D
Level 5	STD 510-83682/7	G5212.D
Level 6	STD 510-83682/8	G5213.D
Level 7	STD 510-83682/9	G5214.D
Level 8	STD 510-83682/10	G5215.D

ANALYTE	LVL 1	LVL 2	LVL 3	LVL 4	LVL 5	LVL 6	LVL 7	LVL 8			RT WINDOW	AVG RT
C8-C28	8.353	8.353	8.353	8.353	8.353	8.353	8.353	8.353			2.990 - 13.716	8.353
Diesel Range Organics [C10-C28]	9.529	9.529	9.529	9.529	9.529	9.529	9.529	9.529			5.342 - 13.716	9.529
C8-C36	9.531	9.531	9.531	9.531	9.531	9.531	9.531	9.531			2.990 - 16.071	9.531
Decafluorobiphenyl	6.297	6.299	6.304	6.306	6.307	6.311	6.314				6.247 - 6.347	6.305

FORM VI
DIESEL RANGE ORGANICS INITIAL CALIBRATION DATA
EXTERNAL STANDARD CURVE EVALUTION

Lab Name: TestAmerica Valparaiso Job No.: 510-70378-1 Analy Batch No.: 83682

SDG No.: 0058-373-01

Instrument ID: SGCC GC Column: 8015 ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 07/18/2011 10:27 Calibration End Date: 07/18/2011 14:23 Calibration ID: 4112

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	STD 510-83682/3	G5208.D
Level 2	STD 510-83682/4	G5209.D
Level 3	STD 510-83682/5	G5210.D
Level 4	STD 510-83682/6	G5211.D
Level 5	STD 510-83682/7	G5212.D
Level 6	STD 510-83682/8	G5213.D
Level 7	STD 510-83682/9	G5214.D
Level 8	STD 510-83682/10	G5215.D

ANALYTE	CF				CURVE TYPE	COEFFICIENT			#	MIN CF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 5	LVL 2 LVL 6	LVL 3 LVL 7	LVL 4 LVL 8		B	M1	M2								
C8-C28	171047 168078	169180 178412	171826 179208	173955 176195	Ave		173487.591				2.4		20.0			
Diesel Range Organics [C10-C28]	157492 159945	159253 169590	160885 169655	164605 167807	Ave		163654.238				3.0		20.0			
C8-C36	225048 170041	195184 179647	181749 180219	178456 176844	Ave		185898.544				9.3		20.0			
Decafluorobiphenyl	106134 111068	105465 113710	106345 119029	108967	Ave		110102.625				4.5		20.0			

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

FORM VI
DIESEL RANGE ORGANICS INITIAL CALIBRATION DATA
EXTERNAL STANDARD RESPONSE AND CONCENTRATION

Lab Name: TestAmerica Valparaiso Job No.: 510-70378-1 Analy Batch No.: 83682

SDG No.: 0058-373-01

Instrument ID: SGCC GC Column: 8015 ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 07/18/2011 10:27 Calibration End Date: 07/18/2011 14:23 Calibration ID: 4112

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	STD 510-83682/3	G5208.D
Level 2	STD 510-83682/4	G5209.D
Level 3	STD 510-83682/5	G5210.D
Level 4	STD 510-83682/6	G5211.D
Level 5	STD 510-83682/7	G5212.D
Level 6	STD 510-83682/8	G5213.D
Level 7	STD 510-83682/9	G5214.D
Level 8	STD 510-83682/10	G5215.D

ANALYTE	CURVE TYPE	RESPONSE					CONCENTRATION (UG/ML)				
		LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5
C8-C28	Ave	8552241 267615919	16917834 358413119	42956019 528580350	86976443	168076108	50.0 1500	100.0 2000	250 3000	500	1000
Diesel Range Organics [C10-C28]	Ave	7874531 254382949	15925177 339306750	40220800 503417258	82301891	159943683	50.0 1500	100.0 2000	250 3000	500	1000
C8-C36	Ave	11252294 269467885	19518233 360435096	45436748 530526132	89226907	170039619	50.0 1500	100.0 2000	250 3000	500	1000
Decafluorobiphenyl	Ave	5306711 45484051	10546496 59514568	21269046	27241694	33320378	50.0 400	100 500	200	250	300

Curve Type Legend:
Ave = Average

TestAmerica Laboratories
Target Compound Quantitation Report

Data File:	\\valsvr08\ChromData\SGCC\20110718-5233.b\G5208.D		
Lims ID:	STD 50	Client ID:	
Inject. Date:	18-Jul-2011 10:27:19	Dil. Factor:	1.0000
Sample Type:	IC	Calib Level:	1
Sample ID:	std 50		
Misc. Info.:			
Operator:	CI	Instrument ID:	SGCC
Vol. Injected:	1.0000	ALS Bottle#:	6
Lims Batch ID:	83682	Lims Sample ID:	3
Sublist:	chrom-DRO_8015*sub7		
Detector:	GC FID1A		
Method:	\\valsvr08\ChromData\SGCC\20110718-5233.b\DRO_8015.m		
Last Update:	18-Jul-2011 11:12:47	Calib Date:	18-Jul-2011 10:27:19
Quant Method:	External Standard	Quant By:	Initial Calibration
Last ICal File:	\\valsvr08\ChromData\SGCC\20110718-5233.b\G5208.D		
Limit Group:	SGC - 8015 DRO_ERO Calibration		
Integrator:	Falcon		
Process Host:	VAL-SMS-LAB3		

First Level Reviewer: iversc Date: 18-Jul-2011 11:12:47

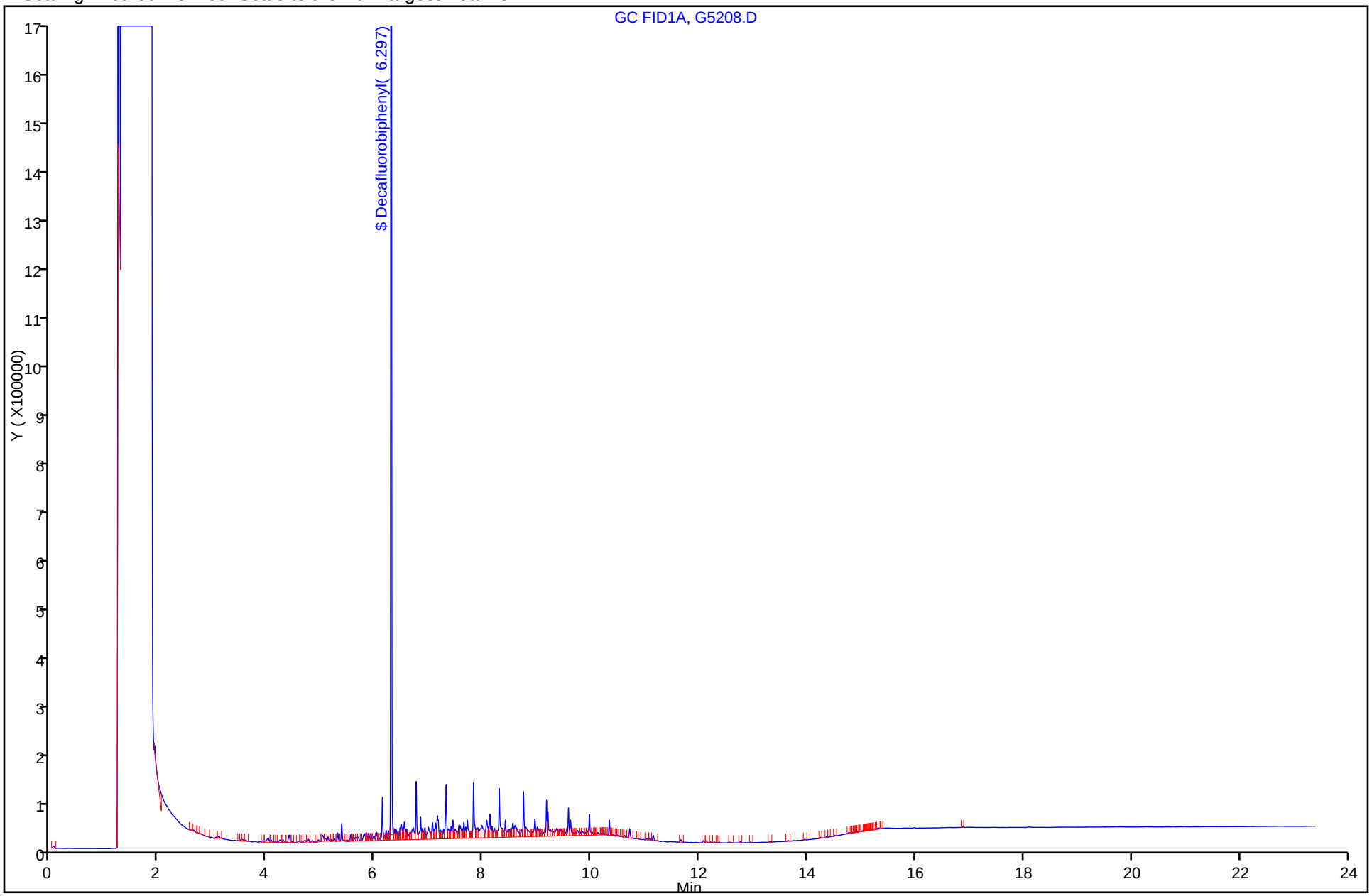
Compound	RT	EXP RT	DLT RT	Response	On-Col Amt ug/ml	Flags
$ 2 Decafluorobiphenyl	6.297	6.297	0.0	5306711	50.0	
A 10 C8-C28	8.353	2.990 - 13.716		8552241	50.0	
A 4 C10-C28	9.529	5.342 - 13.716		7874531	50.0	
A 3 C8-C36	9.531	2.990 - 16.071		11252294	50.0	

Report Date: 18-Jul-2011 11:12:47 Chrom Revision: 1.2 30-Jun-2011 15:02:28

Data File: \\valsvr08\ChromData\SGCC\20110718-5233.b\G5208.D

Injection Date:	18-Jul-2011 10:27:19	Limit Group:	SGC - 8015 DRO_ERO Calibration
Client ID:		Instrument ID:	SGCC
Lims Batch ID:	83682	Lims Sample ID:	3
Operator ID:	CI	Injection Vol:	1.00 ul

Y Scaling: Method Defined: Scale to the Nth Largest Peak: 8



TestAmerica Laboratories
Target Compound Quantitation Report

Data File:	\\valsvr08\ChromData\SGCC\20110718-5233.b\G5209.D		
Lims ID:	STD 100	Client ID:	
Inject. Date:	18-Jul-2011 11:00:29	Dil. Factor:	1.0000
Sample Type:	IC	Calib Level:	2
Sample ID:	std 100		
Misc. Info.:			
Operator:	CI	Instrument ID:	SGCC
Vol. Injected:	1.0000	ALS Bottle#:	7
Lims Batch ID:	83682	Lims Sample ID:	4
Sublist:	chrom-DRO_8015*sub7		
Detector:	GC FID1A		
Method:	\\valsvr08\ChromData\SGCC\20110718-5233.b\DRO_8015.m		
Last Update:	18-Jul-2011 12:16:50	Calib Date:	18-Jul-2011 11:33:51
Quant Method:	External Standard	Quant By:	Initial Calibration
Last ICal File:	\\valsvr08\ChromData\SGCC\20110718-5233.b\G5210.D		
Limit Group:	SGC - 8015 DRO_ERO Calibration		
Integrator:	Falcon		
Process Host:	VAL-SMS-LAB3		

First Level Reviewer: iversc Date: 18-Jul-2011 12:16:50

Compound	RT	EXP RT	DLT RT	Response	On-Col Amt ug/ml	Flags
$ 2 Decafluorobiphenyl	6.299	6.297	0.002	10546496	99.5	
A 10 C8-C28	8.353	2.990 - 13.716		16917834	99.1	
A 4 C10-C28	9.529	5.342 - 13.716		15925177	100.0	
A 3 C8-C36	9.531	2.990 - 16.071		19518233	97.3	

Report Date: 18-Jul-2011 12:16:51 Chrom Revision: 1.2 30-Jun-2011 15:02:28

Data File: \\valsvr08\ChromData\SGCC\20110718-5233.b\G5209.D

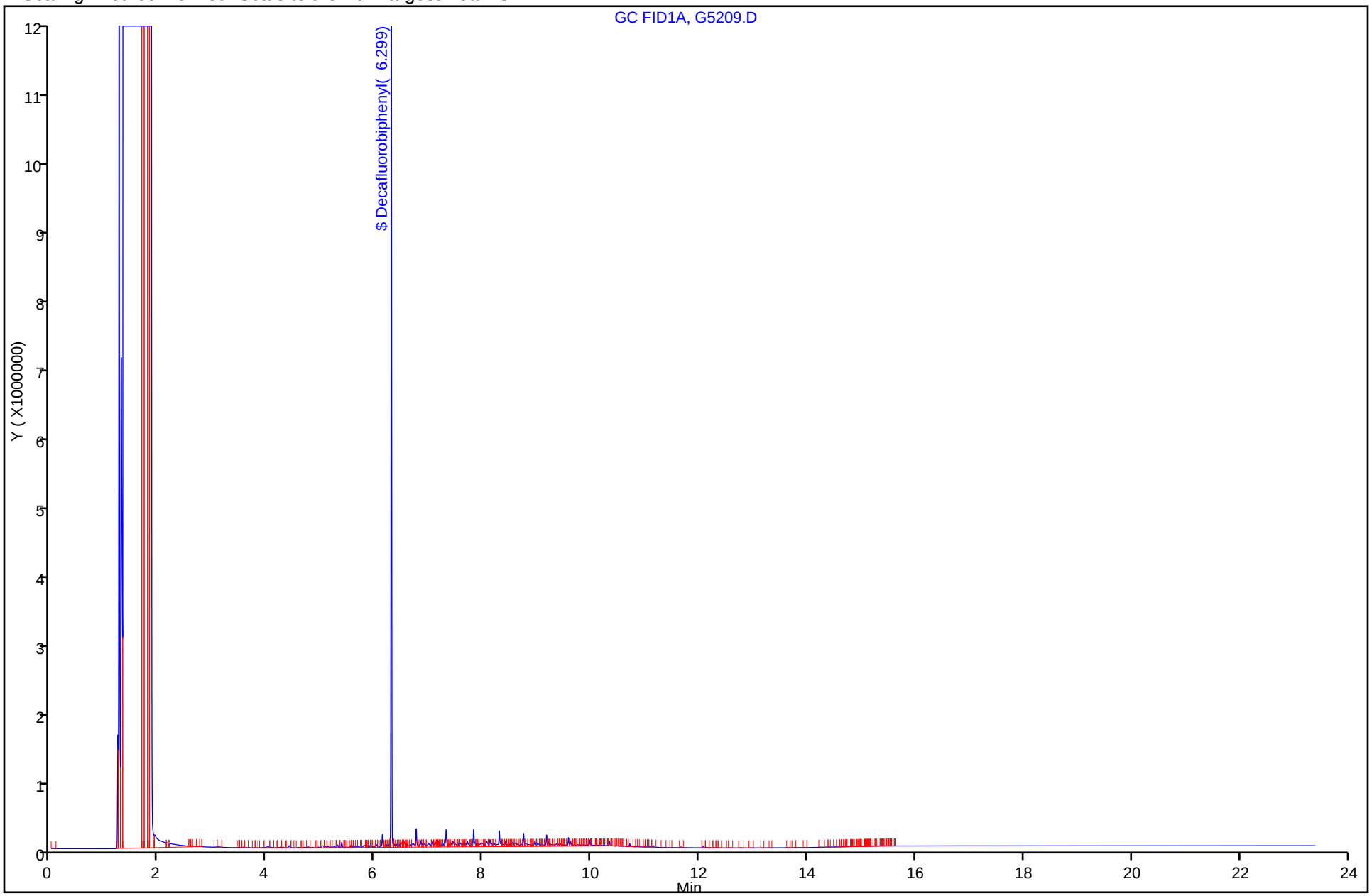
Injection Date: 18-Jul-2011 11:00:29 Limit Group: SGC - 8015 DRO_ERO Calibration

Client ID: Instrument ID: SGCC

Lims Batch ID: 83682 Lims Sample ID: 4

Operator ID: CI Injection Vol: 1.00 ul

Y Scaling: Method Defined: Scale to the Nth Largest Peak: 8



TestAmerica Laboratories
Target Compound Quantitation Report

Data File:	\\valsvr08\ChromData\SGCC\20110718-5233.b\G5210.D		
Lims ID:	STD 250	Client ID:	
Inject. Date:	18-Jul-2011 11:33:51	Dil. Factor:	1.0000
Sample Type:	IC	Calib Level:	3
Sample ID:	std 250		
Misc. Info.:			
Operator:	CI	Instrument ID:	SGCC
Vol. Injected:	1.0000	ALS Bottle#:	8
Lims Batch ID:	83682	Lims Sample ID:	5
Sublist:	chrom-DRO_8015*sub7		
Detector:	GC FID1A		
Method:	\\valsvr08\ChromData\SGCC\20110718-5233.b\DRO_8015.m		
Last Update:	18-Jul-2011 12:16:59	Calib Date:	18-Jul-2011 11:33:51
Quant Method:	External Standard	Quant By:	Initial Calibration
Last ICal File:	\\valsvr08\ChromData\SGCC\20110718-5233.b\G5210.D		
Limit Group:	SGC - 8015 DRO_ERO Calibration		
Integrator:	Falcon		
Process Host:	VAL-SMS-LAB3		
First Level Reviewer: iversc		Date:	18-Jul-2011 12:16:59

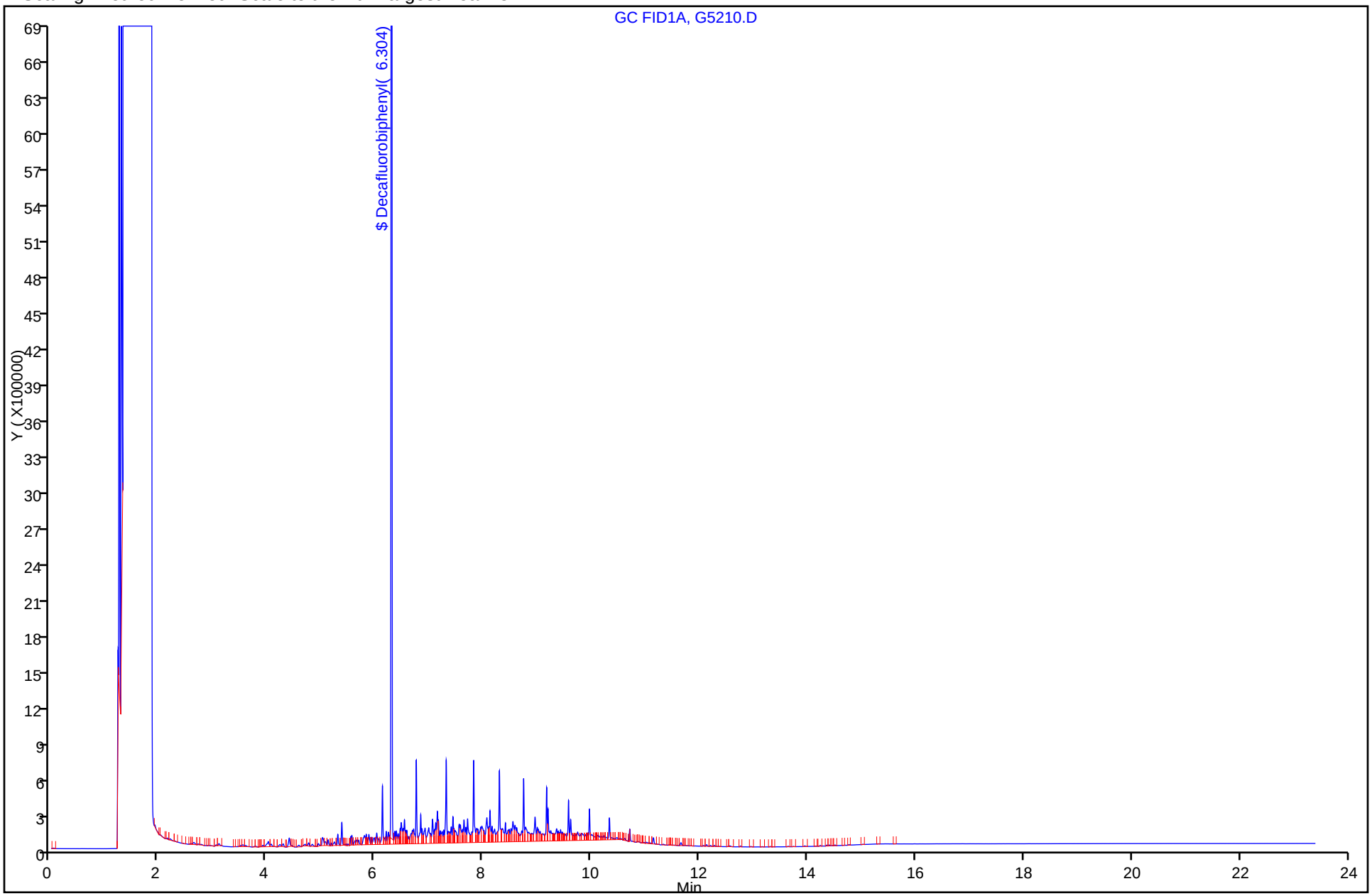
Compound	RT	EXP RT	DLT RT	Response	On-Col Amt ug/ml	Flags
$ 2 Decafluorobiphenyl	6.304	6.297	0.007	21269046	200.7	
A 10 C8-C28	8.353	2.990 - 13.716		42956019	251.7	
A 4 C10-C28	9.529	5.342 - 13.716		40220800	252.6	
A 3 C8-C36	9.531	2.990 - 16.071		45436748	226.4	

Report Date: 18-Jul-2011 12:16:59 Chrom Revision: 1.2 30-Jun-2011 15:02:28

Data File: \\valsvr08\ChromData\SGCC\20110718-5233.b\G5210.D

Injection Date:	18-Jul-2011 11:33:51	Limit Group:	SGC - 8015 DRO_ERO Calibration
Client ID:		Instrument ID:	SGCC
Lims Batch ID:	83682	Lims Sample ID:	5
Operator ID:	CI	Injection Vol:	1.00 ul

Y Scaling: Method Defined: Scale to the Nth Largest Peak: 8



Report Date: 18-Jul-2011 12:59:52 Chrom Revision: 1.2 30-Jun-2011 15:02:28

TestAmerica Laboratories
Target Compound Quantitation Report

Data File:	\\valsvr08\ChromData\SGCC\20110718-5233.b\G5211.D		
Lims ID:	STD 500	Client ID:	
Inject. Date:	18-Jul-2011 12:07:30	Dil. Factor:	1.0000
Sample Type:	IC	Calib Level:	4
Sample ID:	std 500		
Misc. Info.:			
Operator:	CI	Instrument ID:	SGCC
Vol. Injected:	1.0000	ALS Bottle#:	9
Lims Batch ID:	83682	Lims Sample ID:	6
Sublist:	chrom-DRO_8015*sub7		
Detector:	GC FID1A		
Method:	\\valsvr08\ChromData\SGCC\20110718-5233.b\DRO_8015.m		
Last Update:	18-Jul-2011 12:59:52	Calib Date:	18-Jul-2011 12:07:30
Quant Method:	External Standard	Quant By:	Initial Calibration
Last ICal File:	\\valsvr08\ChromData\SGCC\20110718-5233.b\G5211.D		
Limit Group:	SGC - 8015 DRO_ERO Calibration		
Integrator:	Falcon		
Process Host:	VAL-SMS-LAB3		

First Level Reviewer: iversc Date: 18-Jul-2011 12:59:52

Compound	RT	EXP RT	DLT RT	Response	On-Col Amt ug/ml	Flags
$ 2 Decafluorobiphenyl	6.306	6.297	0.009	27241694	255.2	
A 10 C8-C28	8.353	2.990 - 13.716		86976443	507.1	
A 4 C10-C28	9.529	5.342 - 13.716		82301891	512.6	
A 3 C8-C36	9.531	2.990 - 16.071		89226907	457.3	

Report Date: 18-Jul-2011 12:59:52 Chrom Revision: 1.2 30-Jun-2011 15:02:28

Data File: \\valsvr08\ChromData\SGCC\20110718-5233.b\G5211.D

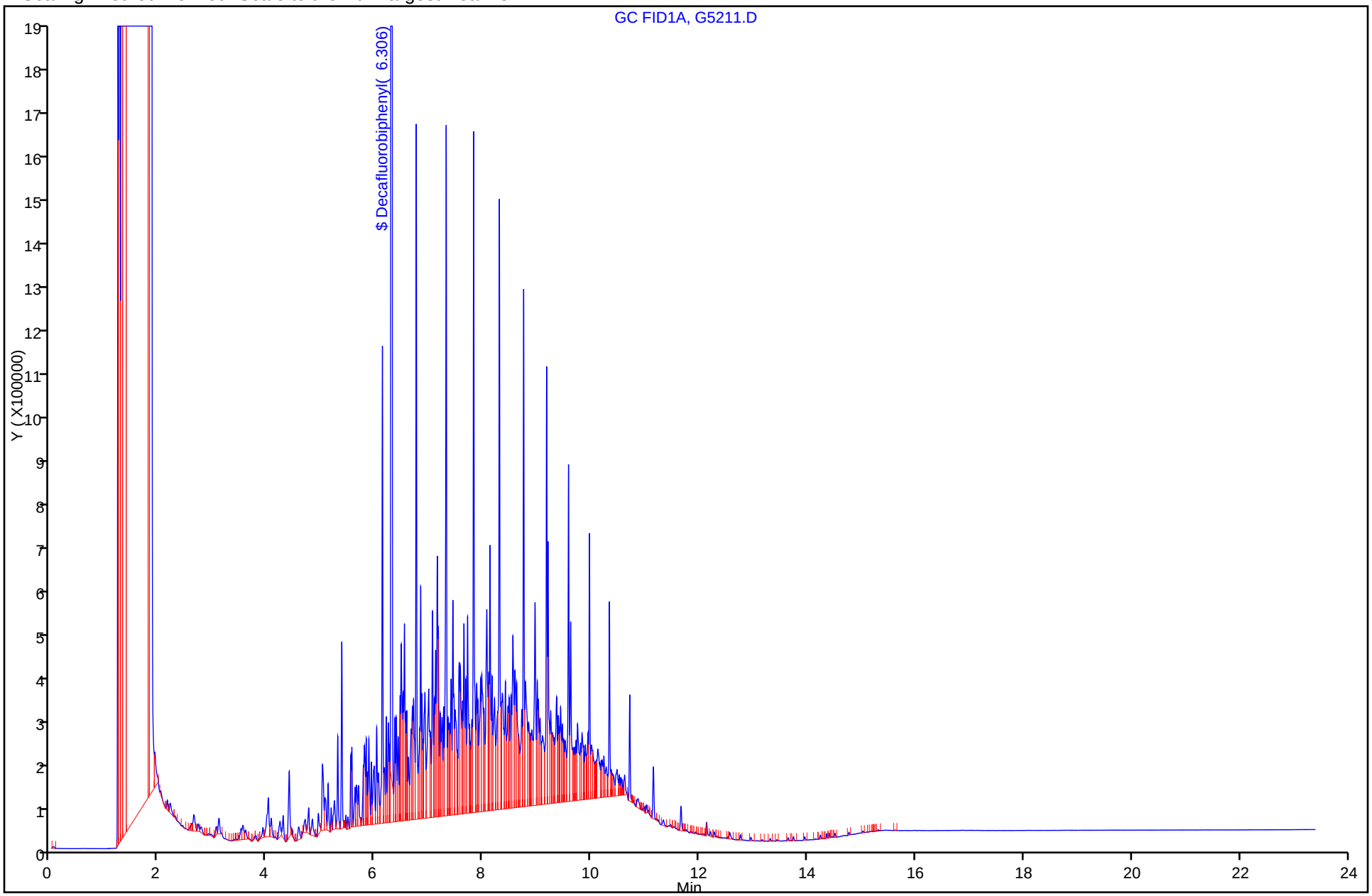
Injection Date: 18-Jul-2011 12:07:30 Limit Group: SGC - 8015 DRO_ERO Calibration

Client ID: Instrument ID: SGCC

Lims Batch ID: 83682 Lims Sample ID: 6

Operator ID: CI Injection Vol: 1.00 ul

Y Scaling: Method Defined: Scale to the Nth Largest Peak: 8



TestAmerica Laboratories
Target Compound Quantitation Report

Data File:	\\valsvr08\ChromData\SGCC\20110718-5233.b\G5212.D		
Lims ID:	STD 1000	Client ID:	
Inject. Date:	18-Jul-2011 12:41:19	Dil. Factor:	1.0000
Sample Type:	IC	Calib Level:	5
Sample ID:	std 1000		
Misc. Info.:			
Operator:	CI	Instrument ID:	SGCC
Vol. Injected:	1.0000	ALS Bottle#:	10
Lims Batch ID:	83682	Lims Sample ID:	7
Sublist:	chrom-DRO_8015*sub7		
Detector:	GC FID1A		
Method:	\\valsvr08\ChromData\SGCC\20110718-5233.b\DRO_8015.m		
Last Update:	18-Jul-2011 13:53:51	Calib Date:	18-Jul-2011 13:15:10
Quant Method:	External Standard	Quant By:	Initial Calibration
Last ICal File:	\\valsvr08\ChromData\SGCC\20110718-5233.b\G5213.D		
Limit Group:	SGC - 8015 DRO_ERO Calibration		
Integrator:	Falcon		
Process Host:	VAL-SMS-LAB3		

First Level Reviewer: iversc Date: 18-Jul-2011 13:53:51

Compound	RT	EXP RT	DLT RT	Response	On-Col Amt ug/ml	Flags
$ 2 Decafluorobiphenyl	6.307	6.297	0.010	33320378	306.8	
A 10 C8-C28	8.353	2.990 - 13.716		168076108	976.7	
A 4 C10-C28	9.529	5.342 - 13.716		159943683	987.5	
A 3 C8-C36	9.531	2.990 - 16.071		170039619	902.8	

Report Date: 18-Jul-2011 13:53:51 Chrom Revision: 1.2 30-Jun-2011 15:02:28

Data File: \\valsvr08\ChromData\SGCC\20110718-5233.b\G5212.D

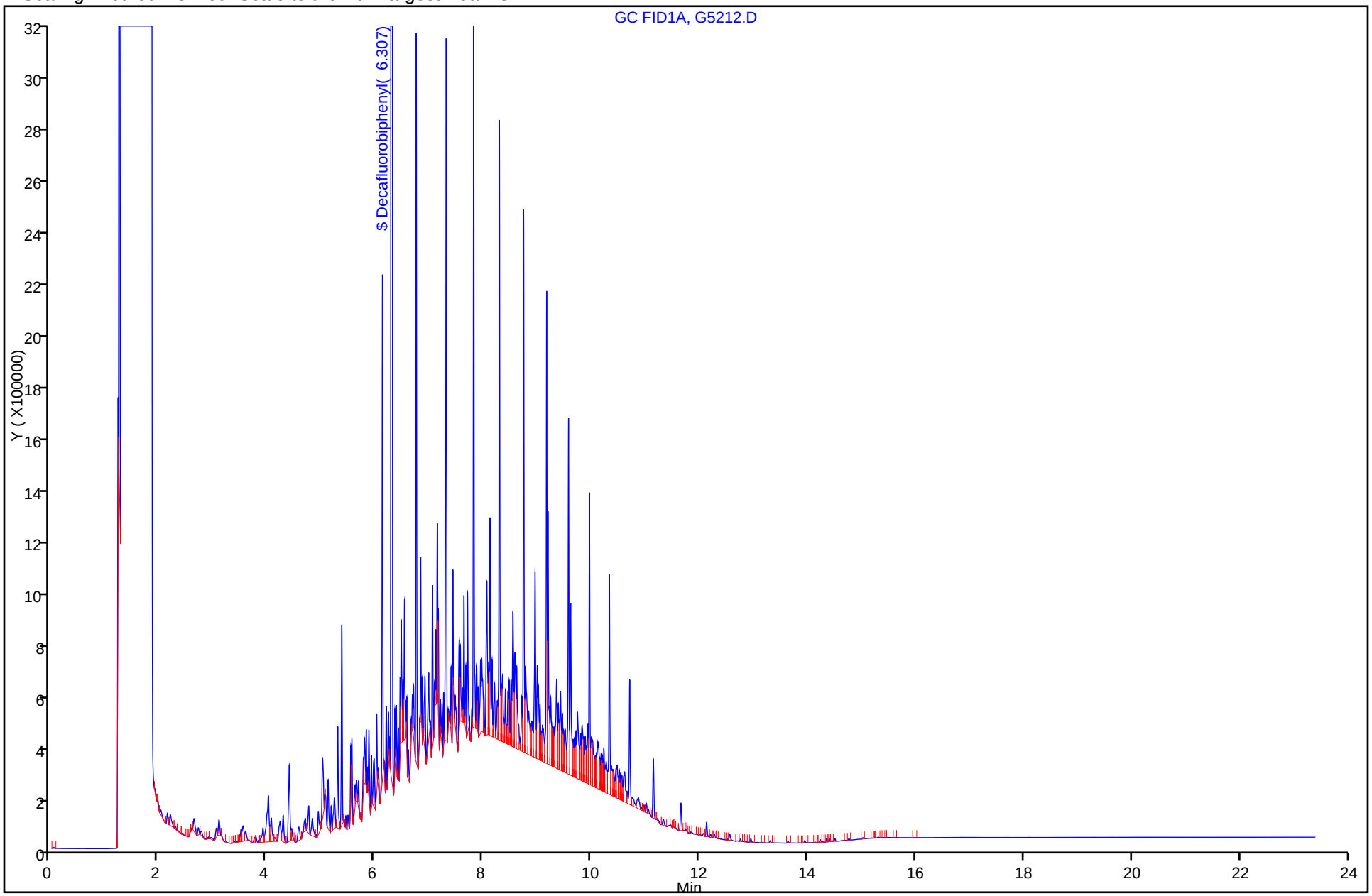
Injection Date: 18-Jul-2011 12:41:19 Limit Group: SGC - 8015 DRO_ERO Calibration

Client ID: Instrument ID: SGCC

Lims Batch ID: 83682 Lims Sample ID: 7

Operator ID: CI Injection Vol: 1.00 ul

Y Scaling: Method Defined: Scale to the Nth Largest Peak: 8



TestAmerica Laboratories
Target Compound Quantitation Report

Data File:	\\valsvr08\ChromData\SGCC\20110718-5233.b\G5213.D		
Lims ID:	STD 1500	Client ID:	
Inject. Date:	18-Jul-2011 13:15:10	Dil. Factor:	1.0000
Sample Type:	IC	Calib Level:	6
Sample ID:	std 1500		
Misc. Info.:			
Operator:	CI	Instrument ID:	SGCC
Vol. Injected:	1.0000	ALS Bottle#:	11
Lims Batch ID:	83682	Lims Sample ID:	8
Sublist:	chrom-DRO_8015*sub7		
Detector:	GC FID1A		
Method:	\\valsvr08\ChromData\SGCC\20110718-5233.b\DRO_8015.m		
Last Update:	18-Jul-2011 13:54:00	Calib Date:	18-Jul-2011 13:15:10
Quant Method:	External Standard	Quant By:	Initial Calibration
Last ICal File:	\\valsvr08\ChromData\SGCC\20110718-5233.b\G5213.D		
Limit Group:	SGC - 8015 DRO_ERO Calibration		
Integrator:	Falcon		
Process Host:	VAL-SMS-LAB3		

First Level Reviewer: iversc Date: 18-Jul-2011 13:54:00

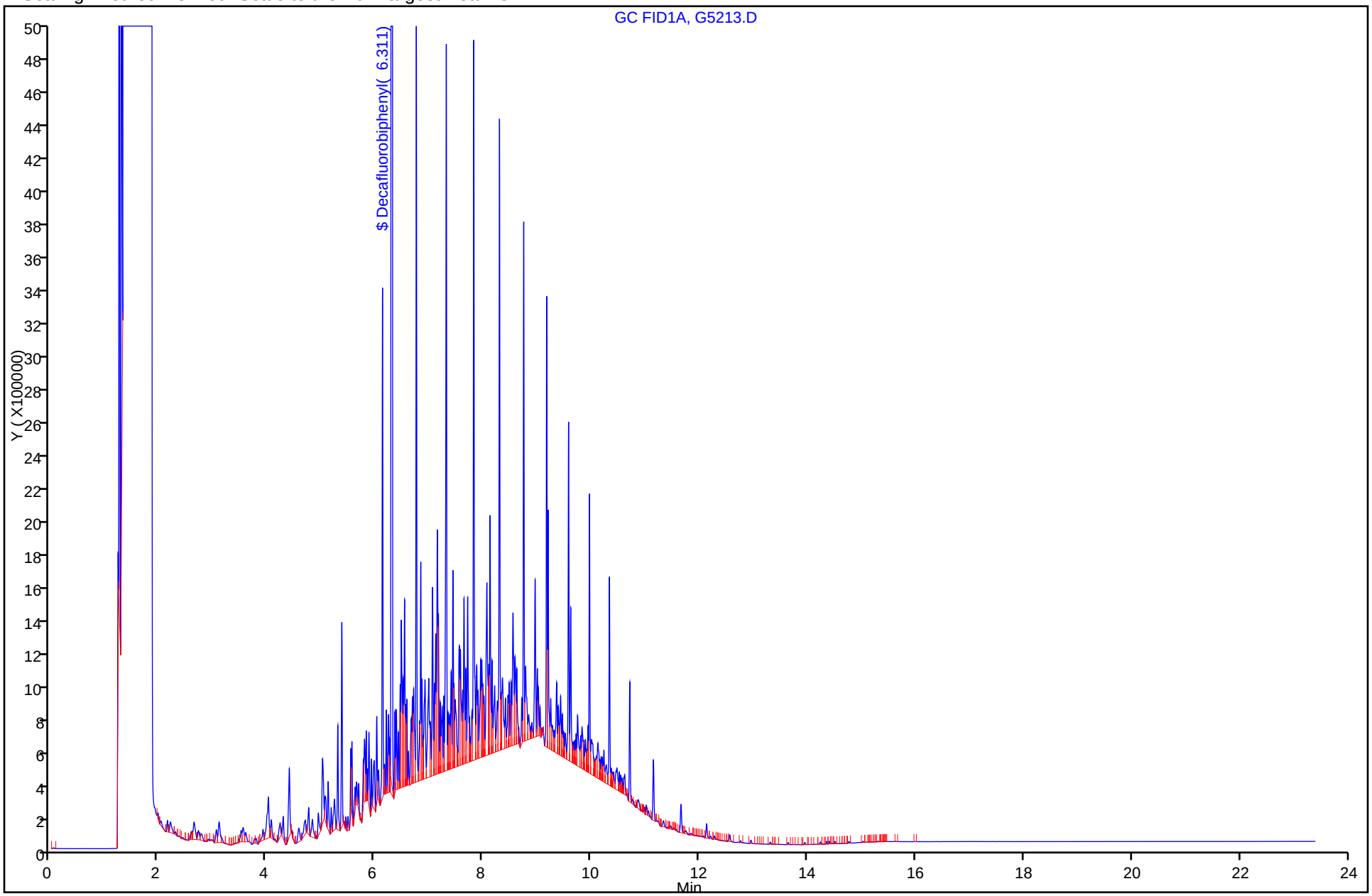
Compound	RT	EXP RT	DLT RT	Response	On-Col Amt ug/ml	Flags
$ 2 Decafluorobiphenyl	6.311	6.297	0.014	45484051	418.8	
A 10 C8-C28	8.353	2.990 - 13.716		267615919	1555.2	
A 4 C10-C28	9.529	5.342 - 13.716		254382949	1570.6	
A 3 C8-C36	9.531	2.990 - 16.071		269467885	1430.6	

Report Date: 18-Jul-2011 13:54:00 Chrom Revision: 1.2 30-Jun-2011 15:02:28

Data File: \\valsvr08\ChromData\SGCC\20110718-5233.b\G5213.D

Injection Date:	18-Jul-2011 13:15:10	Limit Group:	SGC - 8015 DRO_ERO Calibration
Client ID:		Instrument ID:	SGCC
Lims Batch ID:	83682	Lims Sample ID:	8
Operator ID:	CI	Injection Vol:	1.00 ul

Y Scaling: Method Defined: Scale to the Nth Largest Peak: 8



Report Date: 18-Jul-2011 14:37:18 Chrom Revision: 1.2 30-Jun-2011 15:02:28

TestAmerica Laboratories
Target Compound Quantitation Report

Data File:	\\valsvr08\ChromData\SGCC\20110718-5233.b\G5214.D		
Lims ID:	STD 2000	Client ID:	
Inject. Date:	18-Jul-2011 13:49:02	Dil. Factor:	1.0000
Sample Type:	IC	Calib Level:	7
Sample ID:	std 2000		
Misc. Info.:			
Operator:	CI	Instrument ID:	SGCC
Vol. Injected:	1.0000	ALS Bottle#:	12
Lims Batch ID:	83682	Lims Sample ID:	9
Sublist:	chrom-DRO_8015*sub7		
Detector:	GC FID1A		
Method:	\\valsvr08\ChromData\SGCC\20110718-5233.b\DRO_8015.m		
Last Update:	18-Jul-2011 14:37:18	Calib Date:	18-Jul-2011 13:49:02
Quant Method:	External Standard	Quant By:	Initial Calibration
Last ICal File:	\\valsvr08\ChromData\SGCC\20110718-5233.b\G5214.D		
Limit Group:	SGC - 8015 DRO_ERO Calibration		
Integrator:	Falcon		
Process Host:	VAL-SMS-LAB3		

First Level Reviewer: iversc Date: 18-Jul-2011 14:37:18

Compound	RT	EXP RT	DLT RT	Response	On-Col Amt ug/ml	Flags
$ 2 Decafluorobiphenyl	6.314	6.297	0.017	59514568	540.5	
A 10 C8-C28	8.353	2.990 - 13.716		358413119	2070.5	
A 4 C10-C28	9.529	5.342 - 13.716		339306750	2080.9	
A 3 C8-C36	9.531	2.990 - 16.071		360435096	1925.5	

Report Date: 18-Jul-2011 14:37:18 Chrom Revision: 1.2 30-Jun-2011 15:02:28

Data File: \\valsvr08\ChromData\SGCC\20110718-5233.b\G5214.D

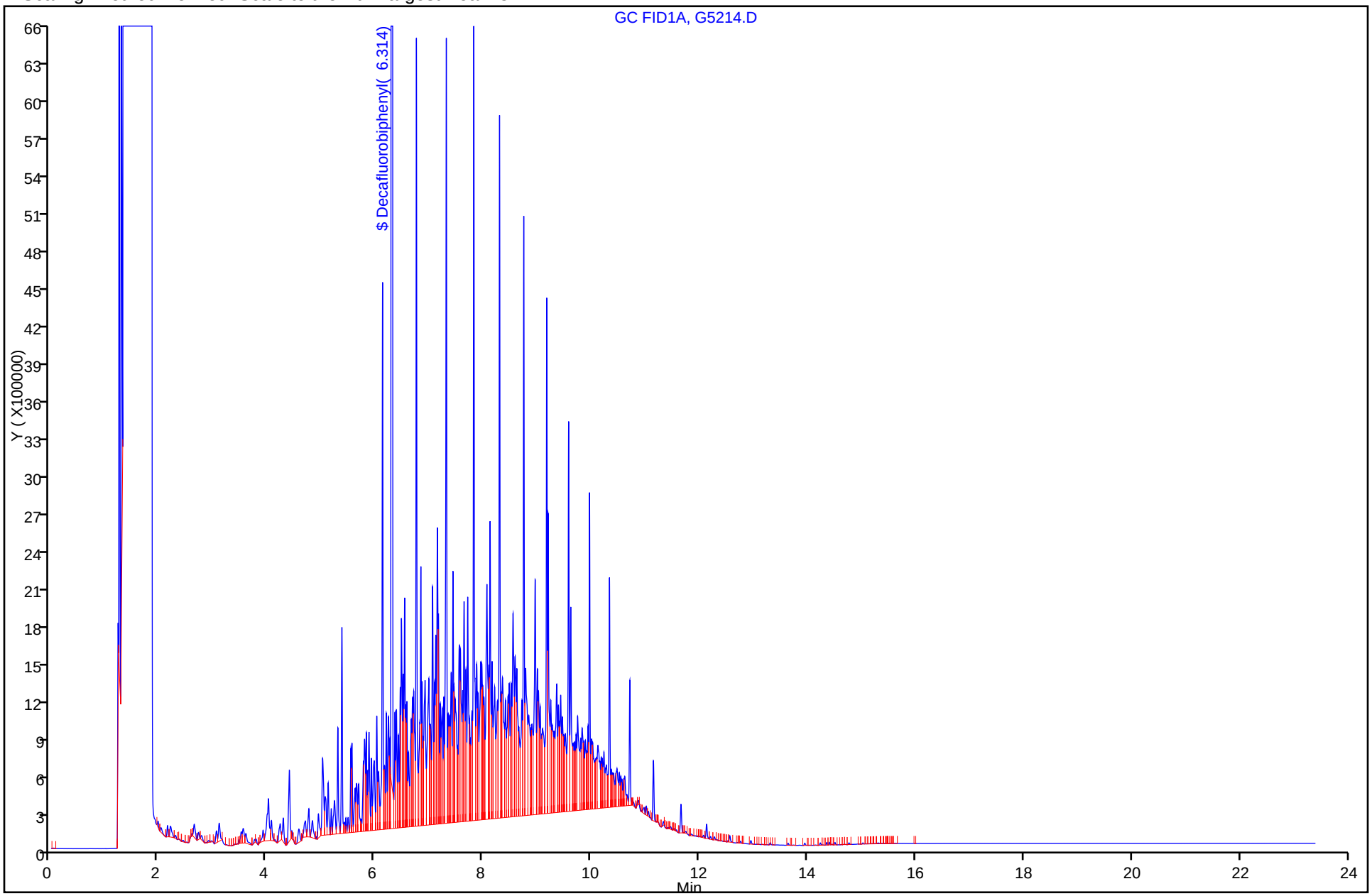
Injection Date: 18-Jul-2011 13:49:02 Limit Group: SGC - 8015 DRO_ERO Calibration

Client ID: Instrument ID: SGCC

Lims Batch ID: 83682 Lims Sample ID: 9

Operator ID: CI Injection Vol: 1.00 ul

Y Scaling: Method Defined: Scale to the Nth Largest Peak: 8



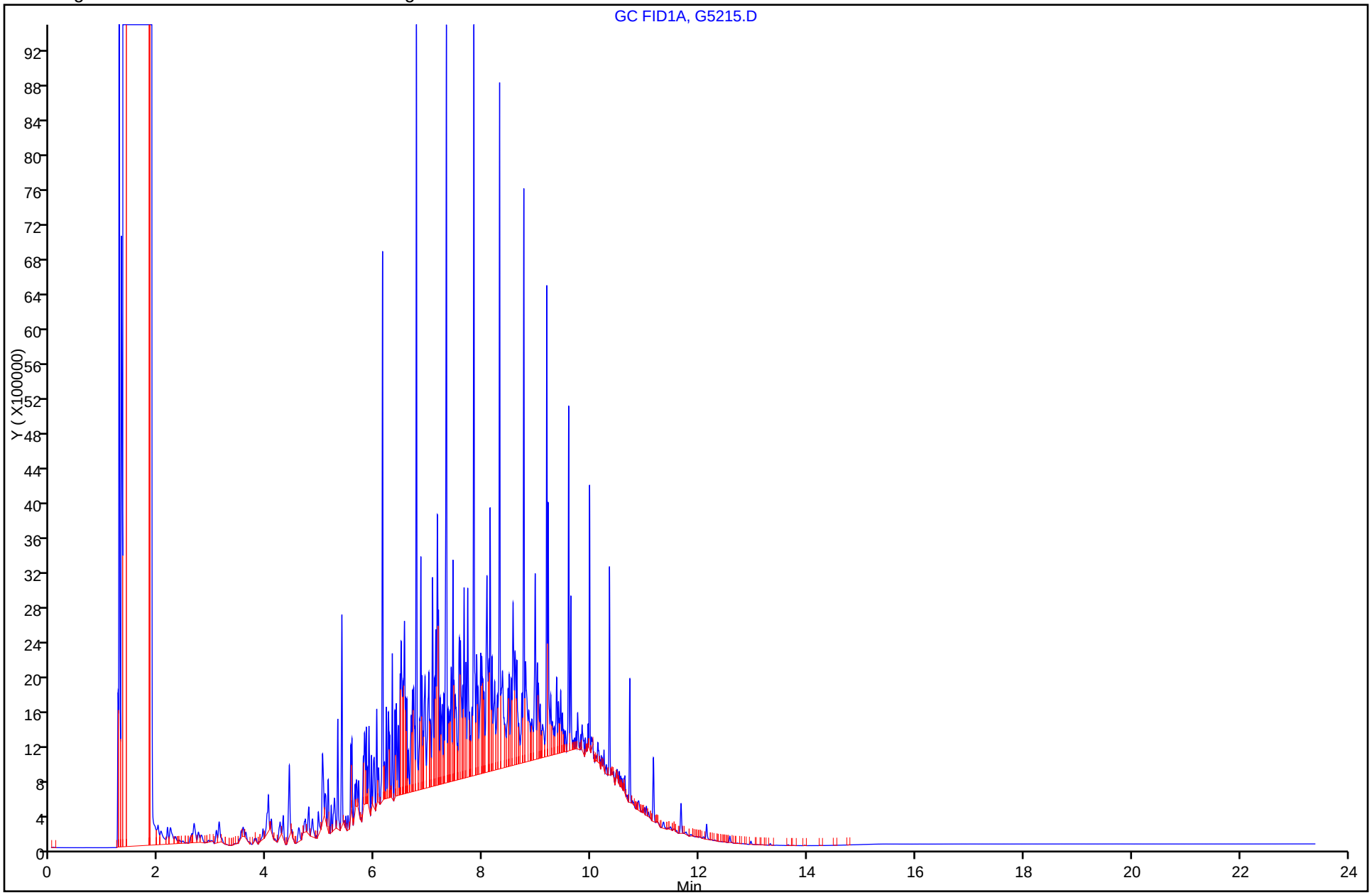
TestAmerica Laboratories
Target Compound Quantitation Report

Data File:	\\valsvr08\ChromData\SGCC\20110718-5233.b\G5215.D		
Lims ID:	STD 3000	Client ID:	
Inject. Date:	18-Jul-2011 14:23:06	Dil. Factor:	1.0000
Sample Type:	IC	Calib Level:	8
Sample ID:	std 3000		
Misc. Info.:			
Operator:	CI	Instrument ID:	SGCC
Vol. Injected:	1.0000	ALS Bottle#:	13
Lims Batch ID:	83682	Lims Sample ID:	10
Sublist:	chrom-DRO_8015*sub7		
Detector:	GC FID1A		
Method:	\\valsvr08\ChromData\SGCC\20110718-5233.b\DRO_8015.m		
Last Update:	18-Jul-2011 14:54:52	Calib Date:	18-Jul-2011 14:23:06
Quant Method:	External Standard	Quant By:	Initial Calibration
Last ICal File:	\\valsvr08\ChromData\SGCC\20110718-5233.b\G5215.D		
Limit Group:	SGC - 8015 DRO_ERO Calibration		
Integrator:	Falcon		
Process Host:	VAL-SMS-LAB3		

First Level Reviewer: iversc Date: 18-Jul-2011 14:54:52

Compound	RT	EXP RT	DLT RT	Response	On-Col Amt ug/ml	Flags
$ 2 Decafluorobiphenyl		6.297				
A 10 C8-C28	8.353	2.990 - 13.716		528580350	3046.8	
A 4 C10-C28	9.529	5.342 - 13.716		503417258	3076.1	
A 3 C8-C36	9.531	2.990 - 16.071		530526132	2853.8	

Report Date: 18-Jul-2011 14:54:52 Chrom Revision: 1.2 30-Jun-2011 15:02:28
Data File: \\valsvr08\ChromData\SGCC\20110718-5233.b\G5215.D
Injection Date: 18-Jul-2011 14:23:06 Limit Group: SGC - 8015 DRO_ERO Calibration
Client ID: Instrument ID: SGCC
Lims Batch ID: 83682 Lims Sample ID: 10
Operator ID: CI Injection Vol: 1.00 ul
Y Scaling: Method Defined: Scale to the Nth Largest Peak: 8



FORM VII
DIESEL RANGE ORGANICS CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Valparaiso Job No.: 510-70378-1

SDG No.: 0058-373-01

Lab Sample ID: CCV 510-87448/3 Calibration Date: 09/30/2011 14:26

Instrument ID: SGCC Calib Start Date: 07/18/2011 10:27

GC Column: 8015 (ERO/DRO) ID: 0.25(mm) Calib End Date: 07/18/2011 14:23

Lab File ID: C6057.D Conc. Units: ug/L

ANALYTE	CURVE TYPE	AVE CF	CF	MIN CF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
C8-C28	Ave	173488	195.2		1120000	995000	-99.9*	15.0
Diesel Range Organics [C10-C28]	Ave	163654	180310		1100	995	10.2	15.0
C8-C36	Ave	185899	196871		1050	995	5.9	15.0
Decafluorobiphenyl	Ave	110103	112151		61.1	60.0	1.9	15.0

FORM VII
DIESEL RANGE ORGANICS CONTINUING CALIBRATION RETENTION TIME SUMMARY

Lab Name: TestAmerica Valparaiso Job No.: 510-70378-1

SDG No.: 0058-373-01

Lab Sample ID: CCV 510-87448/3 Calibration Date: 09/30/2011 14:26

Instrument ID: SGCC Calib Start Date: 07/18/2011 10:27

GC Column: 8015 (ERO/DRO) ID: 0.25(mm) Calib End Date: 07/18/2011 14:23

Lab File ID: C6057.D

Analyte	RT	RT WINDOW	
		TO	FROM
C8-C28	8.41	2.97	13.77
Diesel Range Organics [C10-C28]	9.55	5.33	13.77
C8-C36	9.58	2.97	16.12
Decafluorobiphenyl	6.29	6.25	6.35

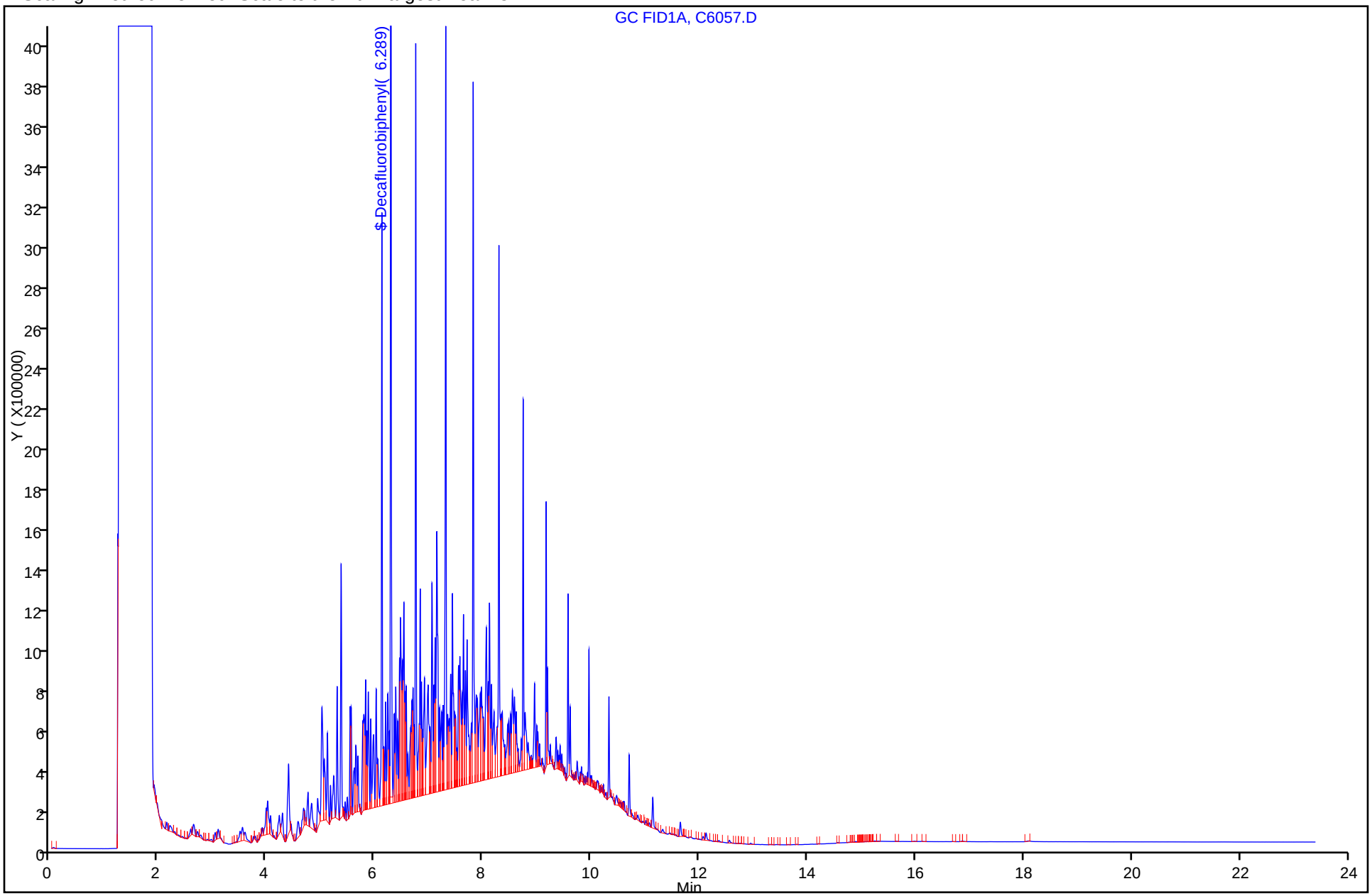
TestAmerica Laboratories
Target Compound Quantitation Report

Data File:	\\valsvr08\ChromData\SGCC\20110930-5637.b\C6057.D		
Lims ID:	CCV	Client ID:	
Inject. Date:	30-Sep-2011 14:26:25	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:	87448	Lims Sample ID:	3
Sublist:	chrom-DRO_8015*sub8		
Detector:	GC FID1A		
Method:	\\valsvr08\ChromData\SGCC\20110930-5637.b\DRO_8015.m		
Last Update:	30-Sep-2011 15:28:34	Calib Date:	18-Jul-2011 14:23:06
Quant Method:	External Standard	Quant By:	Initial Calibration
Last ICal File:	\\valsvr08\ChromData\SGCC\20110718-5233.b\G5215.D		
Limit Group:	SGC - 8015 DRO_ERO Calibration		
Integrator:	Falcon		
Process Host:	VAL-SMS-LAB3		

First Level Reviewer: iversc Date: 30-Sep-2011 15:28:34

Compound	RT	EXP RT	DLT RT	Response	On-Col Amt ug/ml	Flags
$ 2 Decafluorobiphenyl	6.289	6.297	-0.008	6729050	61.1	
A 10 C8-C28	8.406	2.966 - 13.772		194261367	1119.7	
A 3 C8-C36	9.582	2.966 - 16.123		195886564	1053.7	
A 4 C10-C28	9.552	5.333 - 13.772		179408544	1096.3	

Report Date: 30-Sep-2011 15:28:34 Chrom Revision: 1.2 13-Jul-2011 10:43:06
Data File: \\valsvr08\ChromData\SGCC\20110930-5637.b\C6057.D
Injection Date: 30-Sep-2011 14:26:25 Limit Group: SGC - 8015 DRO_ERO Calibration
Client ID: Instrument ID: SGCC
Lims Batch ID: 87448 Lims Sample ID: 3
Operator ID: CI Injection Vol: 1.00 ul
Y Scaling: Method Defined: Scale to the Nth Largest Peak: 8



FORM VII
DIESEL RANGE ORGANICS CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Valparaiso Job No.: 510-70378-1

SDG No.: 0058-373-01

Lab Sample ID: CCV 510-87448/16 Calibration Date: 09/30/2011 21:36

Instrument ID: SGCC Calib Start Date: 07/18/2011 10:27

GC Column: 8015 (ERO/DRO) ID: 0.25(mm) Calib End Date: 07/18/2011 14:23

Lab File ID: C6070.D Conc. Units: ug/L

ANALYTE	CURVE TYPE	AVE CF	CF	MIN CF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
C8-C28	Ave	173488	197.9		1130000	995000	-99.9*	15.0
C8-C36	Ave	185899	199274		1070	995	7.2	15.0
Diesel Range Organics [C10-C28]	Ave	163654	182420		1110	995	11.5	15.0
Decafluorobiphenyl	Ave	110103	112857		61.5	60.0	2.5	15.0

FORM VII
DIESEL RANGE ORGANICS CONTINUING CALIBRATION RETENTION TIME SUMMARY

Lab Name: TestAmerica Valparaiso Job No.: 510-70378-1

SDG No.: 0058-373-01

Lab Sample ID: CCV 510-87448/16 Calibration Date: 09/30/2011 21:36

Instrument ID: SGCC Calib Start Date: 07/18/2011 10:27

GC Column: 8015 (ERO/DRO) ID: 0.25(mm) Calib End Date: 07/18/2011 14:23

Lab File ID: C6070.D

Analyte	RT	RT WINDOW	
		TO	FROM
C8-C28	8.37	2.97	13.77
C8-C36	9.54	2.97	16.12
Diesel Range Organics [C10-C28]	9.55	5.33	13.77
Decafluorobiphenyl	6.29	6.25	6.35

TestAmerica Laboratories
Target Compound Quantitation Report

Data File:	\\valsvr08\ChromData\SGCC\20110930-5637.b\C6070.D		
Lims ID:	ccv	Client ID:	
Inject. Date:	30-Sep-2011 21:36:42	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:	87448	Lims Sample ID:	16
Sublist:	chrom-DRO_8015*sub8		
Detector:	GC FID1A		
Method:	\\valsvr08\ChromData\SGCC\20110930-5637.b\DRO_8015.m		
Last Update:	01-Oct-2011 15:22:44	Calib Date:	18-Jul-2011 14:23:06
Quant Method:	External Standard	Quant By:	Initial Calibration
Last ICal File:	\\valsvr08\ChromData\SGCC\20110718-5233.b\G5215.D		
Limit Group:	SGC - 8015 DRO_ERO Calibration		
Integrator:	Falcon		
Process Host:	VAL-SMS-LAB3		

First Level Reviewer: iversc Date: 01-Oct-2011 15:22:44

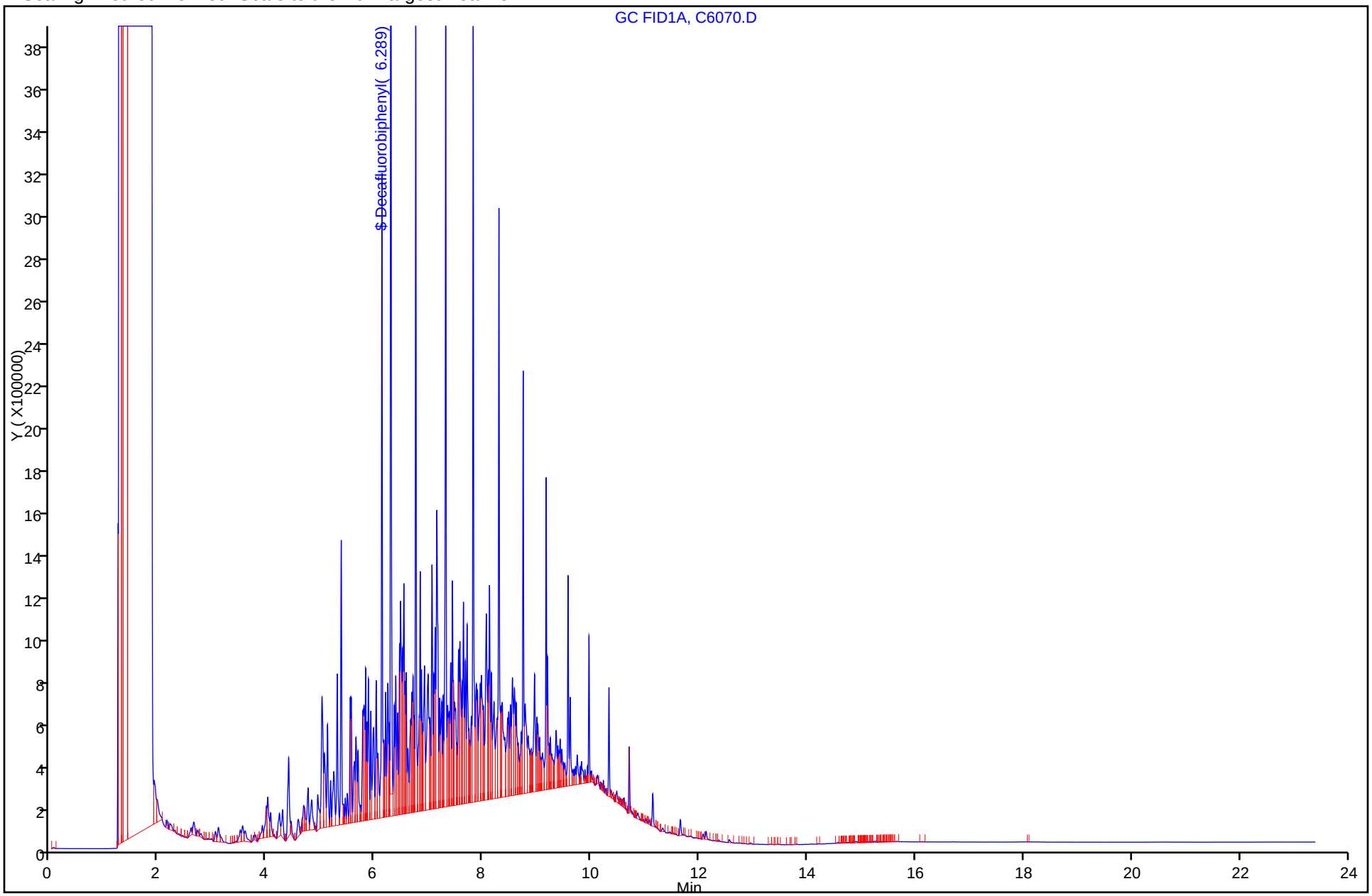
Compound	RT	EXP RT	DLT RT	Response	On-Col Amt ug/ml	Flags
$ 2 Decafluorobiphenyl	6.289	6.297	-0.008	6771445	61.5	
A 10 C8-C28	8.369	2.966 - 13.772		196863060	1134.7	
A 3 C8-C36	9.544	2.966 - 16.123		198277595	1066.6	
A 4 C10-C28	9.552	5.333 - 13.772		181507702	1109.1	

Report Date: 01-Oct-2011 15:22:44 Chrom Revision: 1.2 13-Jul-2011 10:43:06

Data File: \\valsvr08\ChromData\SGCC\20110930-5637.b\C6070.D

Injection Date:	30-Sep-2011 21:36:42	Limit Group:	SGC - 8015 DRO_ERO Calibration
Client ID:		Instrument ID:	SGCC
Lims Batch ID:	87448	Lims Sample ID:	16
Operator ID:	CI	Injection Vol:	1.00 ul

Y Scaling: Method Defined: Scale to the Nth Largest Peak: 8



FORM VII
DIESEL RANGE ORGANICS CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Valparaiso Job No.: 510-70378-1

SDG No.: 0058-373-01

Lab Sample ID: CCV 510-87521/3 Calibration Date: 10/03/2011 09:10

Instrument ID: SGCC Calib Start Date: 07/18/2011 10:27

GC Column: 8015 (ERO/DRO) ID: 0.25(mm) Calib End Date: 07/18/2011 14:23

Lab File ID: C6057.D Conc. Units: ug/L

ANALYTE	CURVE TYPE	AVE CF	CF	MIN CF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
C8-C28	Ave	173488	187.4		1070000	995000	-99.9*	15.0
Diesel Range Organics [C10-C28]	Ave	163654	172935		1050	995	5.7	15.0
C8-C36	Ave	185899	189773		1020	995	2.1	15.0
Decafluorobiphenyl	Ave	110103	104482		56.9	60.0	-5.1	15.0

FORM VII
DIESEL RANGE ORGANICS CONTINUING CALIBRATION RETENTION TIME SUMMARY

Lab Name: TestAmerica Valparaiso Job No.: 510-70378-1

SDG No.: 0058-373-01

Lab Sample ID: CCV 510-87521/3 Calibration Date: 10/03/2011 09:10

Instrument ID: SGCC Calib Start Date: 07/18/2011 10:27

GC Column: 8015 (ERO/DRO) ID: 0.25(mm) Calib End Date: 07/18/2011 14:23

Lab File ID: C6057.D

Analyte	RT	RT WINDOW	
		TO	FROM
C8-C28	8.34	2.97	13.71
Diesel Range Organics [C10-C28]	9.52	5.33	13.71
C8-C36	9.53	2.97	16.09
Decafluorobiphenyl	6.29	6.25	6.35

TestAmerica Laboratories
Target Compound Quantitation Report

Data File:	\\valsvr08\ChromData\SGCC\20111003-5656.b\C6057.D		
Lims ID:	CCV	Client ID:	
Inject. Date:	03-Oct-2011 09:10:25	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:	87521	Lims Sample ID:	3
Sublist:	chrom-DRO_8015*sub8		
Detector:	GC FID1A		
Method:	\\valsvr08\ChromData\SGCC\20111003-5656.b\DRO_8015.m		
Last Update:	03-Oct-2011 09:43:51	Calib Date:	18-Jul-2011 14:23:06
Quant Method:	External Standard	Quant By:	Initial Calibration
Last ICal File:	\\valsvr08\ChromData\SGCC\20110718-5233.b\G5215.D		
Limit Group:	SGC - 8015 DRO_ERO Calibration		
Integrator:	Falcon		
Process Host:	VAL-SMS-LAB3		

First Level Reviewer: iversc Date: 03-Oct-2011 09:43:51

Compound	RT	EXP RT	DLT RT	Response	On-Col Amt ug/ml	Flags
$ 2 Decafluorobiphenyl	6.291	6.297	-0.006	6268939	56.9	
A 10 C8-C28	8.337	2.971 - 13.709		186441188	1074.7	
A 4 C10-C28	9.518	5.327 - 13.709		172070319	1051.4	
A 3 C8-C36	9.525	2.971 - 16.086		188823933	1015.7	

Report Date: 03-Oct-2011 09:43:52 Chrom Revision: 1.2 13-Jul-2011 10:43:06

Data File: \\valsvr08\ChromData\SGCC\20111003-5656.b\C6057.D

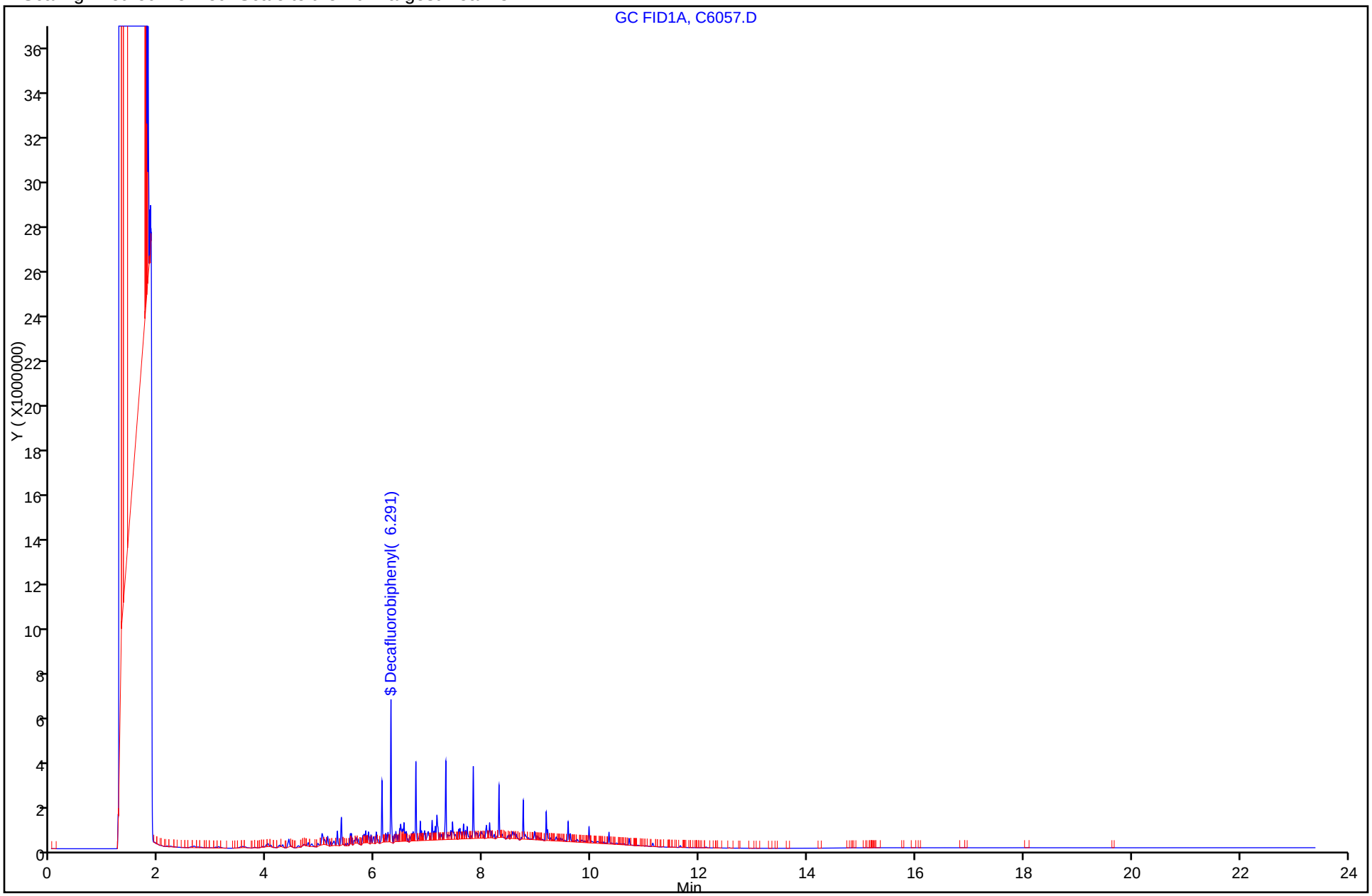
Injection Date: 03-Oct-2011 09:10:25 Limit Group: SGC - 8015 DRO_ERO Calibration

Client ID: Instrument ID: SGCC

Lims Batch ID: 87521 Lims Sample ID: 3

Operator ID: CI Injection Vol: 1.00 ul

Y Scaling: Method Defined: Scale to the Nth Largest Peak: 8



FORM VII
DIESEL RANGE ORGANICS CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Valparaiso Job No.: 510-70378-1

SDG No.: 0058-373-01

Lab Sample ID: CCV 510-87521/16 Calibration Date: 10/03/2011 16:14

Instrument ID: SGCC Calib Start Date: 07/18/2011 10:27

GC Column: 8015 (ERO/DRO) ID: 0.25(mm) Calib End Date: 07/18/2011 14:23

Lab File ID: C6082.D Conc. Units: ug/L

ANALYTE	CURVE TYPE	AVE CF	CF	MIN CF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
C8-C28	Ave	173488	192.8		1110000	995000	-99.9*	15.0
Diesel Range Organics [C10-C28]	Ave	163654	177934		1080	995	8.7	15.0
C8-C36	Ave	185899	194582		1040	995	4.7	15.0
Decafluorobiphenyl	Ave	110103	109297		59.6	60.0	-0.7	15.0

FORM VII
DIESEL RANGE ORGANICS CONTINUING CALIBRATION RETENTION TIME SUMMARY

Lab Name: TestAmerica Valparaiso Job No.: 510-70378-1

SDG No.: 0058-373-01

Lab Sample ID: CCV 510-87521/16 Calibration Date: 10/03/2011 16:14

Instrument ID: SGCC Calib Start Date: 07/18/2011 10:27

GC Column: 8015 (ERO/DRO) ID: 0.25(mm) Calib End Date: 07/18/2011 14:23

Lab File ID: C6082.D

Analyte	RT	RT WINDOW	
		TO	FROM
C8-C28	8.34	2.97	13.71
Diesel Range Organics [C10-C28]	9.52	5.33	13.71
C8-C36	9.53	2.97	16.09
Decafluorobiphenyl	6.29	6.25	6.35

TestAmerica Laboratories
Target Compound Quantitation Report

Data File:	\\valsvr08\ChromData\SGCC\20111003-5656.b\C6082.D		
Lims ID:	ccv	Client ID:	
Inject. Date:	03-Oct-2011 16:14:38	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:	87521	Lims Sample ID:	16
Sublist:	chrom-DRO_8015*sub8		
Detector:	GC FID1A		
Method:	\\valsvr08\ChromData\SGCC\20111003-5656.b\DRO_8015.m		
Last Update:	03-Oct-2011 17:46:25	Calib Date:	18-Jul-2011 14:23:06
Quant Method:	External Standard	Quant By:	Initial Calibration
Last ICal File:	\\valsvr08\ChromData\SGCC\20110718-5233.b\G5215.D		
Limit Group:	SGC - 8015 DRO_ERO Calibration		
Integrator:	Falcon		
Process Host:	VAL-SMS-LAB3		

First Level Reviewer: iversc Date: 03-Oct-2011 17:46:25

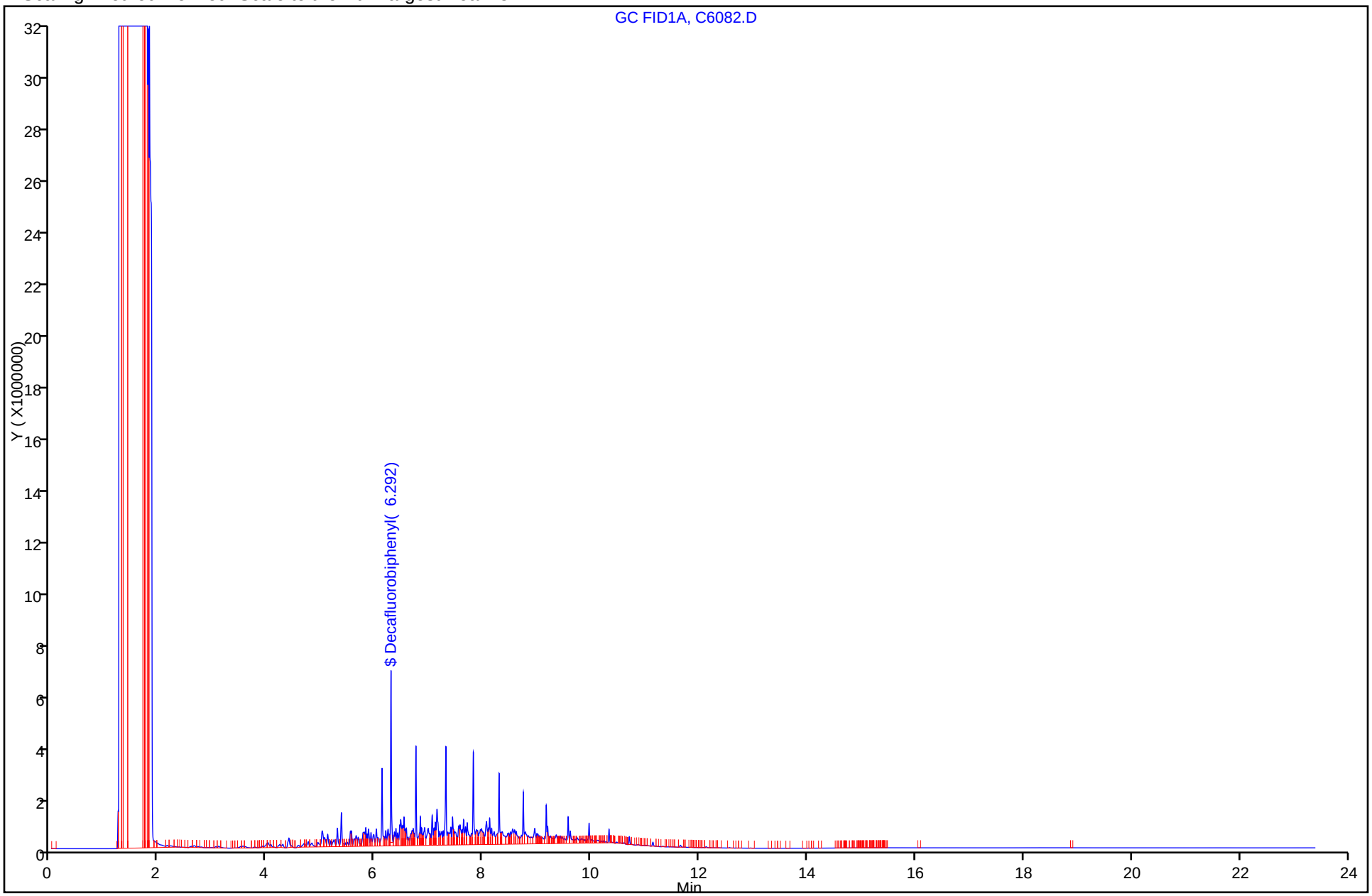
Compound	RT	EXP RT	DLT RT	Response	On-Col Amt ug/ml	Flags
$ 2 Decafluorobiphenyl	6.292	6.297	-0.005	6557815	59.6	
A 10 C8-C28	8.340	2.971 - 13.709		191840100	1105.8	
A 4 C10-C28	9.518	5.327 - 13.709		177044311	1081.8	
A 3 C8-C36	9.528	2.971 - 16.086		193609317	1041.5	

Report Date: 03-Oct-2011 17:46:25 Chrom Revision: 1.2 13-Jul-2011 10:43:06

Data File: \\valsvr08\ChromData\SGCC\20111003-5656.b\C6082.D

Injection Date:	03-Oct-2011 16:14:38	Limit Group:	SGC - 8015 DRO_ERO Calibration
Client ID:		Instrument ID:	SGCC
Lims Batch ID:	87521	Lims Sample ID:	16
Operator ID:	CI	Injection Vol:	1.00 ul

Y Scaling: Method Defined: Scale to the Nth Largest Peak: 8



FORM VII
DIESEL RANGE ORGANICS CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Valparaiso Job No.: 510-70378-1

SDG No.: 0058-373-01

Lab Sample ID: CCV 510-87521/28 Calibration Date: 10/03/2011 22:42

Instrument ID: SGCC Calib Start Date: 07/18/2011 10:27

GC Column: 8015 (ERO/DRO) ID: 0.25(mm) Calib End Date: 07/18/2011 14:23

Lab File ID: C6094.D Conc. Units: ug/L

ANALYTE	CURVE TYPE	AVE CF	CF	MIN CF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
C8-C28	Ave	173488	197.1		1130000	995000	-99.9*	15.0
Diesel Range Organics [C10-C28]	Ave	163654	181670		1100	995	11.0	15.0
C8-C36	Ave	185899	198460		1060	995	6.8	15.0
Decafluorobiphenyl	Ave	110103	108170		58.9	60.0	-1.8	15.0

FORM VII
DIESEL RANGE ORGANICS CONTINUING CALIBRATION RETENTION TIME SUMMARY

Lab Name: TestAmerica Valparaiso Job No.: 510-70378-1

SDG No.: 0058-373-01

Lab Sample ID: CCV 510-87521/28 Calibration Date: 10/03/2011 22:42

Instrument ID: SGCC Calib Start Date: 07/18/2011 10:27

GC Column: 8015 (ERO/DRO) ID: 0.25(mm) Calib End Date: 07/18/2011 14:23

Lab File ID: C6094.D

Analyte	RT	RT WINDOW	
		TO	FROM
C8-C28	8.34	2.97	13.71
Diesel Range Organics [C10-C28]	9.52	5.33	13.71
C8-C36	9.53	2.97	16.09
Decafluorobiphenyl	6.29	6.25	6.35

TestAmerica Laboratories
Target Compound Quantitation Report

Data File:	\\valsvr08\ChromData\SGCC\20111003-5656.b\C6094.D		
Lims ID:	ccv	Client ID:	
Inject. Date:	03-Oct-2011 22:42:36	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:	87521	Lims Sample ID:	28
Sublist:	chrom-DRO_8015*sub8		
Detector:	GC FID1A		
Method:	\\valsvr08\ChromData\SGCC\20111003-5656.b\DRO_8015.m		
Last Update:	05-Oct-2011 08:28:04	Calib Date:	18-Jul-2011 14:23:06
Quant Method:	External Standard	Quant By:	Initial Calibration
Last ICal File:	\\valsvr08\ChromData\SGCC\20110718-5233.b\G5215.D		
Limit Group:	SGC - 8015 DRO_ERO Calibration		
Integrator:	Falcon		
Process Host:	VAL-SMS-LAB3		

First Level Reviewer: iversc Date: 05-Oct-2011 08:28:04

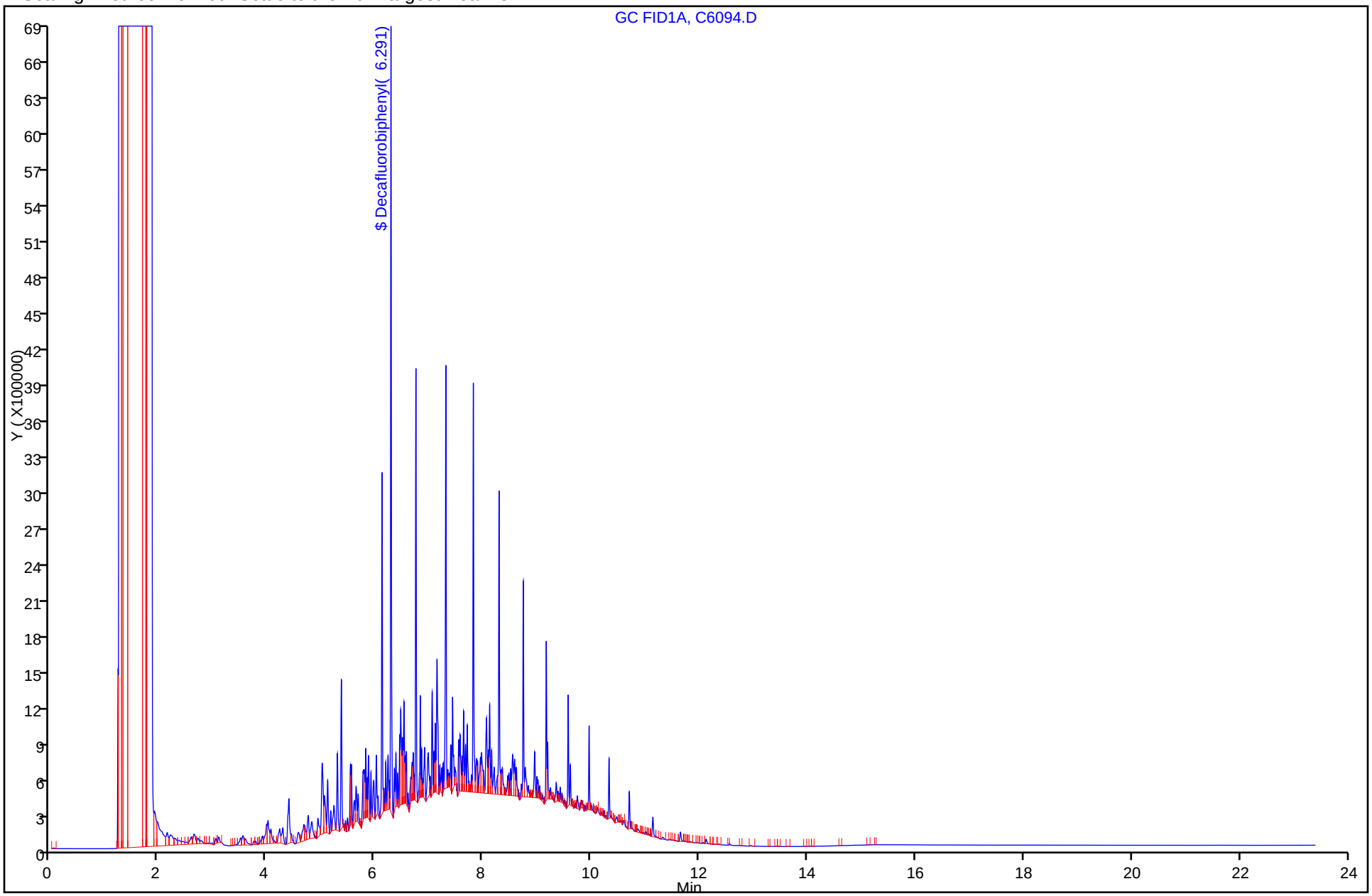
Compound	RT	EXP RT	DLT RT	Response	On-Col Amt ug/ml	Flags
$ 2 Decafluorobiphenyl	6.291	6.297	-0.006	6490198	58.9	
A 10 C8-C28	8.340	2.971 - 13.709		196126001	1130.5	
A 4 C10-C28	9.518	5.327 - 13.709		180761318	1104.5	
A 3 C8-C36	9.528	2.971 - 16.086		197467353	1062.2	

Report Date: 05-Oct-2011 08:28:04 Chrom Revision: 1.2 13-Jul-2011 10:43:06

Data File: \\valsvr08\ChromData\SGCC\20111003-5656.b\C6094.D

Injection Date:	03-Oct-2011 22:42:36	Limit Group:	SGC - 8015 DRO_ERO Calibration
Client ID:		Instrument ID:	SGCC
Lims Batch ID:	87521	Lims Sample ID:	28
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.: 510-70378-1

SDG No.: 0058-373-01

Lab Sample ID: CCV 510-87599/16 Calibration Date: 10/04/2011 17:01

Instrument ID: SGCC Calib Start Date: 07/18/2011 10:27

GC Column: 8015 (ERO/DRO) ID: 0.25(mm) Calib End Date: 07/18/2011 14:23

Lab File ID: C6115.D Conc. Units: ug/L

ANALYTE	CURVE TYPE	AVE CF	CF	MIN CF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
C8-C28	Ave	173488	184.4		1060000	995000	-99.9*	15.0
C8-C36	Ave	185899	185550		993	995	-0.2	15.0
Diesel Range Organics [C10-C28]	Ave	163654	169788		1030	995	3.7	15.0
Decafluorobiphenyl	Ave	110103	107168		58.4	60.0	-2.7	15.0

FORM VII
DIESEL RANGE ORGANICS CONTINUING CALIBRATION RETENTION TIME SUMMARY

Lab Name: TestAmerica Valparaiso Job No.: 510-70378-1

SDG No.: 0058-373-01

Lab Sample ID: CCV 510-87599/16 Calibration Date: 10/04/2011 17:01

Instrument ID: SGCC Calib Start Date: 07/18/2011 10:27

GC Column: 8015 (ERO/DRO) ID: 0.25(mm) Calib End Date: 07/18/2011 14:23

Lab File ID: C6115.D

Analyte	RT	RT WINDOW	
		TO	FROM
C8-C28	8.35	2.97	13.74
C8-C36	9.53	2.97	16.10
Diesel Range Organics [C10-C28]	9.54	5.33	13.74
Decafluorobiphenyl	6.29	6.25	6.35

Report Date: 05-Oct-2011 08:28:44 Chrom Revision: 1.2 13-Jul-2011 10:43:06

TestAmerica Laboratories
Target Compound Quantitation Report

Data File:	\\valsvr08\ChromData\SGCC\20111004-5665.b\C6115.D		
Lims ID:	ccv	Client ID:	
Inject. Date:	04-Oct-2011 17:01:35	Dil. Factor:	1.0000
Sample Type:	CCV		
Sample ID:	ccv		
Misc. Info.:			
Operator:	CI/WDS	Instrument ID:	SGCC
Vol. Injected:	1.0000	ALS Bottle#:	4
Lims Batch ID:	87599	Lims Sample ID:	16
Sublist:	chrom-DRO_8015*sub8		
Detector:	GC FID1A		
Method:	\\valsvr08\ChromData\SGCC\20111004-5665.b\DRO_8015.m		
Last Update:	05-Oct-2011 08:28:43	Calib Date:	18-Jul-2011 14:23:06
Quant Method:	External Standard	Quant By:	Initial Calibration
Last ICal File:	\\valsvr08\ChromData\SGCC\20110718-5233.b\G5215.D		
Limit Group:	SGC - 8015 DRO_ERO Calibration		
Integrator:	Falcon		
Process Host:	VAL-SMS-LAB3		

First Level Reviewer: iversc Date: 05-Oct-2011 08:28:43

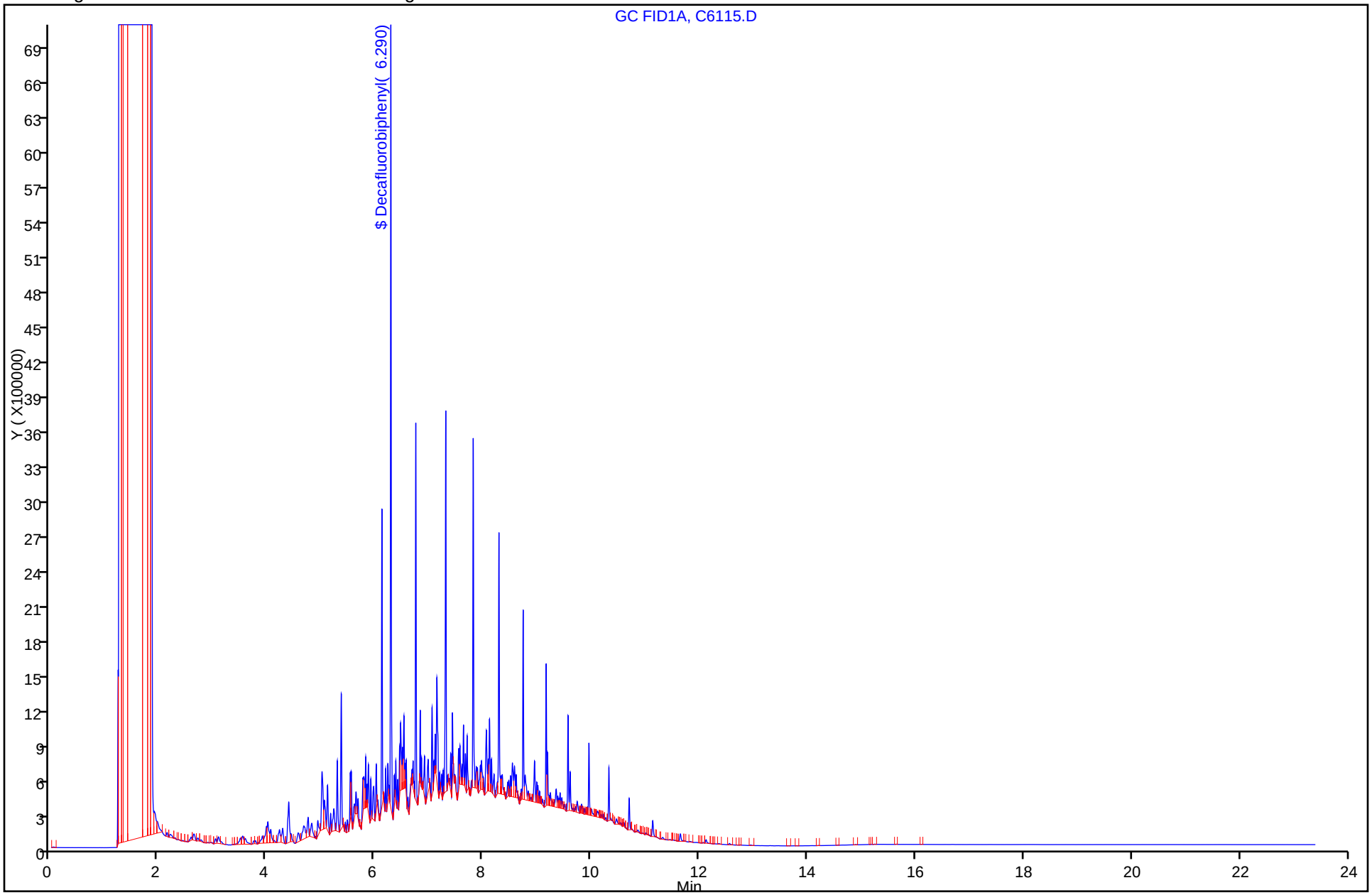
Compound	RT	EXP RT	DLT RT	Response	On-Col Amt ug/ml	Flags
$ 2 Decafluorobiphenyl	6.290	6.297	-0.007	6430083	58.4	
A 10 C8-C28	8.353	2.967 - 13.740		183471844	1057.6	
A 3 C8-C36	9.534	2.967 - 16.102		184622455	993.1	
A 4 C10-C28	9.536	5.332 - 13.740		168938765	1032.3	

Report Date: 05-Oct-2011 08:28:44 Chrom Revision: 1.2 13-Jul-2011 10:43:06

Data File: \\valsvr08\ChromData\SGCC\20111004-5665.b\C6115.D

Injection Date:	04-Oct-2011 17:01:35	Limit Group:	SGC - 8015 DRO_ERO Calibration
Client ID:		Instrument ID:	SGCC
Lims Batch ID:	87599	Lims Sample ID:	16
Operator ID:	CI/WDS	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.: 510-70378-1

SDG No.: 0058-373-01

Lab Sample ID: CCV 510-87599/27 Calibration Date: 10/04/2011 22:51

Instrument ID: SGCC Calib Start Date: 07/18/2011 10:27

GC Column: 8015 (ERO/DRO) ID: 0.25(mm) Calib End Date: 07/18/2011 14:23

Lab File ID: C6126.D Conc. Units: ug/L

ANALYTE	CURVE TYPE	AVE CF	CF	MIN CF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
C8-C28	Ave	173488	192.8		1110000	995000	-99.9*	15.0
C8-C36	Ave	185899	194637		1040	995	4.7	15.0
Diesel Range Organics [C10-C28]	Ave	163654	177918		1080	995	8.7	15.0
Decafluorobiphenyl	Ave	110103	104256		56.8	60.0	-5.3	15.0

FORM VII
DIESEL RANGE ORGANICS CONTINUING CALIBRATION RETENTION TIME SUMMARY

Lab Name: TestAmerica Valparaiso Job No.: 510-70378-1

SDG No.: 0058-373-01

Lab Sample ID: CCV 510-87599/27 Calibration Date: 10/04/2011 22:51

Instrument ID: SGCC Calib Start Date: 07/18/2011 10:27

GC Column: 8015 (ERO/DRO) ID: 0.25(mm) Calib End Date: 07/18/2011 14:23

Lab File ID: C6126.D

Analyte	RT	RT WINDOW	
		TO	FROM
C8-C28	8.35	2.97	13.74
C8-C36	9.53	2.97	16.10
Diesel Range Organics [C10-C28]	9.54	5.33	13.74
Decafluorobiphenyl	6.29	6.25	6.35

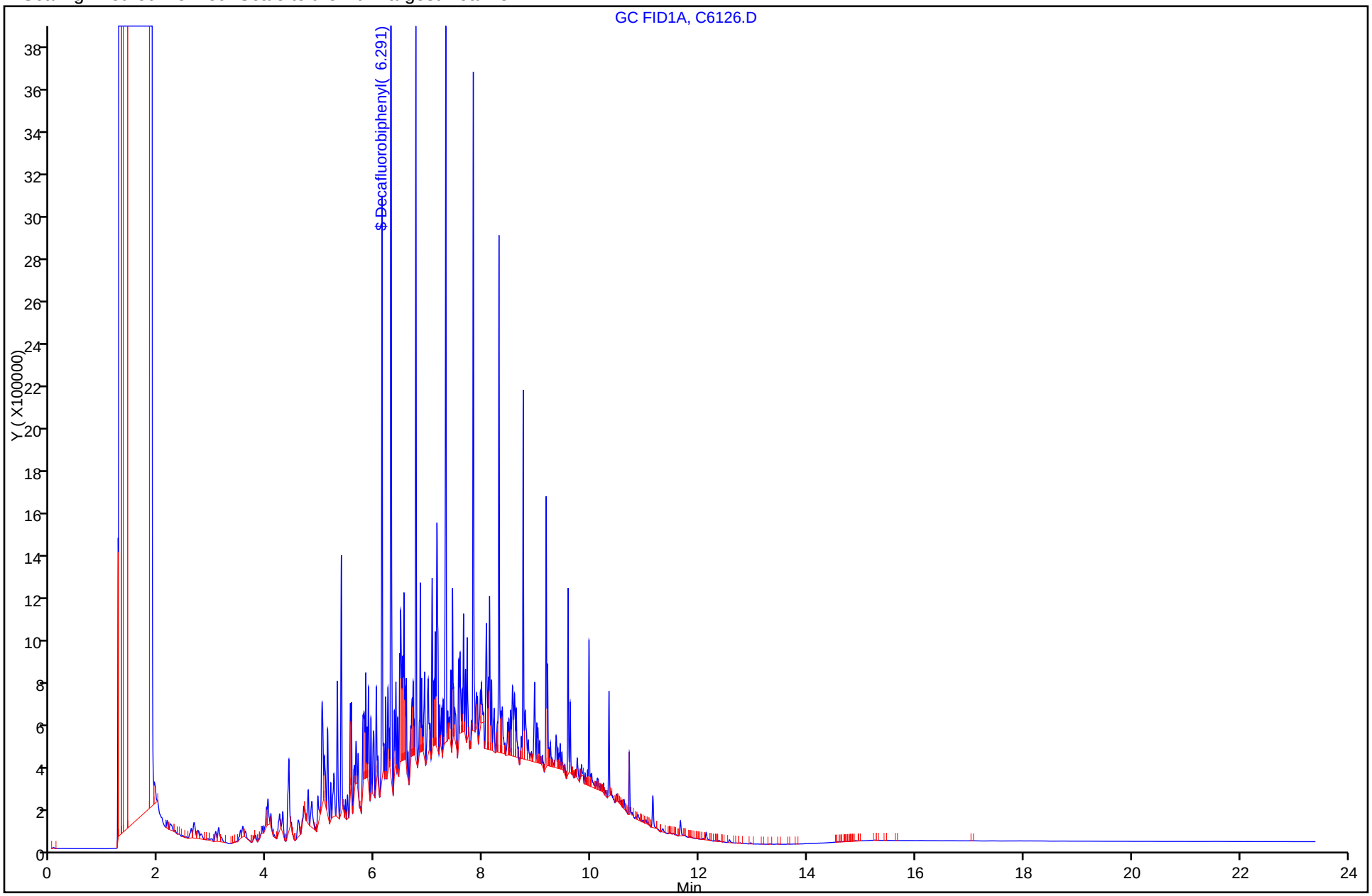
TestAmerica Laboratories
Target Compound Quantitation Report

Data File:	\\valsvr08\ChromData\SGCC\20111004-5665.b\C6126.D		
Lims ID:	ccv	Client ID:	
Inject. Date:	04-Oct-2011 22:51:14	Dil. Factor:	1.0000
Sample Type:	CCV		
Sample ID:	ccv		
Misc. Info.:			
Operator:	CI/WDS	Instrument ID:	SGCC
Vol. Injected:	1.0000	ALS Bottle#:	5
Lims Batch ID:	87599	Lims Sample ID:	27
Sublist:	chrom-DRO_8015*sub8		
Detector:	GC FID1A		
Method:	\\valsvr08\ChromData\SGCC\20111004-5665.b\DRO_8015.m		
Last Update:	05-Oct-2011 08:28:59	Calib Date:	18-Jul-2011 14:23:06
Quant Method:	External Standard	Quant By:	Initial Calibration
Last ICal File:	\\valsvr08\ChromData\SGCC\20110718-5233.b\G5215.D		
Limit Group:	SGC - 8015 DRO_ERO Calibration		
Integrator:	Falcon		
Process Host:	VAL-SMS-LAB3		

First Level Reviewer: iversc Date: 05-Oct-2011 08:28:59

Compound	RT	EXP RT	DLT RT	Response	On-Col Amt ug/ml	Flags
$ 2 Decafluorobiphenyl	6.291	6.297	-0.006	6255360	56.8	
A 10 C8-C28	8.353	2.967 - 13.740		191850085	1105.8	
A 3 C8-C36	9.534	2.967 - 16.102		193663974	1041.8	
A 4 C10-C28	9.536	5.332 - 13.740		177028241	1081.7	

Report Date: 05-Oct-2011 08:28:59 Chrom Revision: 1.2 13-Jul-2011 10:43:06
Data File: \\valsvr08\ChromData\SGCC\20111004-5665.b\C6126.D
Injection Date: 04-Oct-2011 22:51:14 Limit Group: SGC - 8015 DRO_ERO Calibration
Client ID: Instrument ID: SGCC
Lims Batch ID: 87599 Lims Sample ID: 27
Operator ID: CI/WDS 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.: 510-70378-1

SDG No.: 0058-373-01

Client Sample ID: Lab Sample ID: MB 510-87418/1-A

Matrix: Solid Lab File ID: C6059.D

Analysis Method: 8015B Date Collected:

Extraction Method: 3546 Date Extracted: 09/30/2011 07:50

Sample wt/vol: 30(g) Date Analyzed: 09/30/2011 15:40

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.: 87448 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	63		10-122

TestAmerica Laboratories
Target Compound Quantitation Report

Data File:	\\valsvr08\ChromData\SGCC\20110930-5637.b\C6059.D		
Lims ID:	MB 510-87418/1-A	Client ID:	
Inject. Date:	30-Sep-2011 15:40:45	Dil. Factor:	1.0000
Sample Type:	MB		
Sample ID:	mb 510-87418/1-a		
Misc. Info.:			
Operator:	CI	Instrument ID:	SGCC
Vol. Injected:	1.0000	ALS Bottle#:	6
Lims Batch ID:	87448	Lims Sample ID:	5
Detector:	GC FID1A		
Method:	\\valsvr08\ChromData\SGCC\20110930-5637.b\DRO_8015.m		
Last Update:	30-Sep-2011 15:28:34	Calib Date:	18-Jul-2011 14:23:06
Quant Method:	External Standard	Quant By:	Initial Calibration
Last ICal File:	\\valsvr08\ChromData\SGCC\20110718-5233.b\G5215.D		
Limit Group:	SGC - 8015 DRO_ERO Calibration		
Integrator:	Falcon		
Process Host:	VAL-SMS-LAB3		

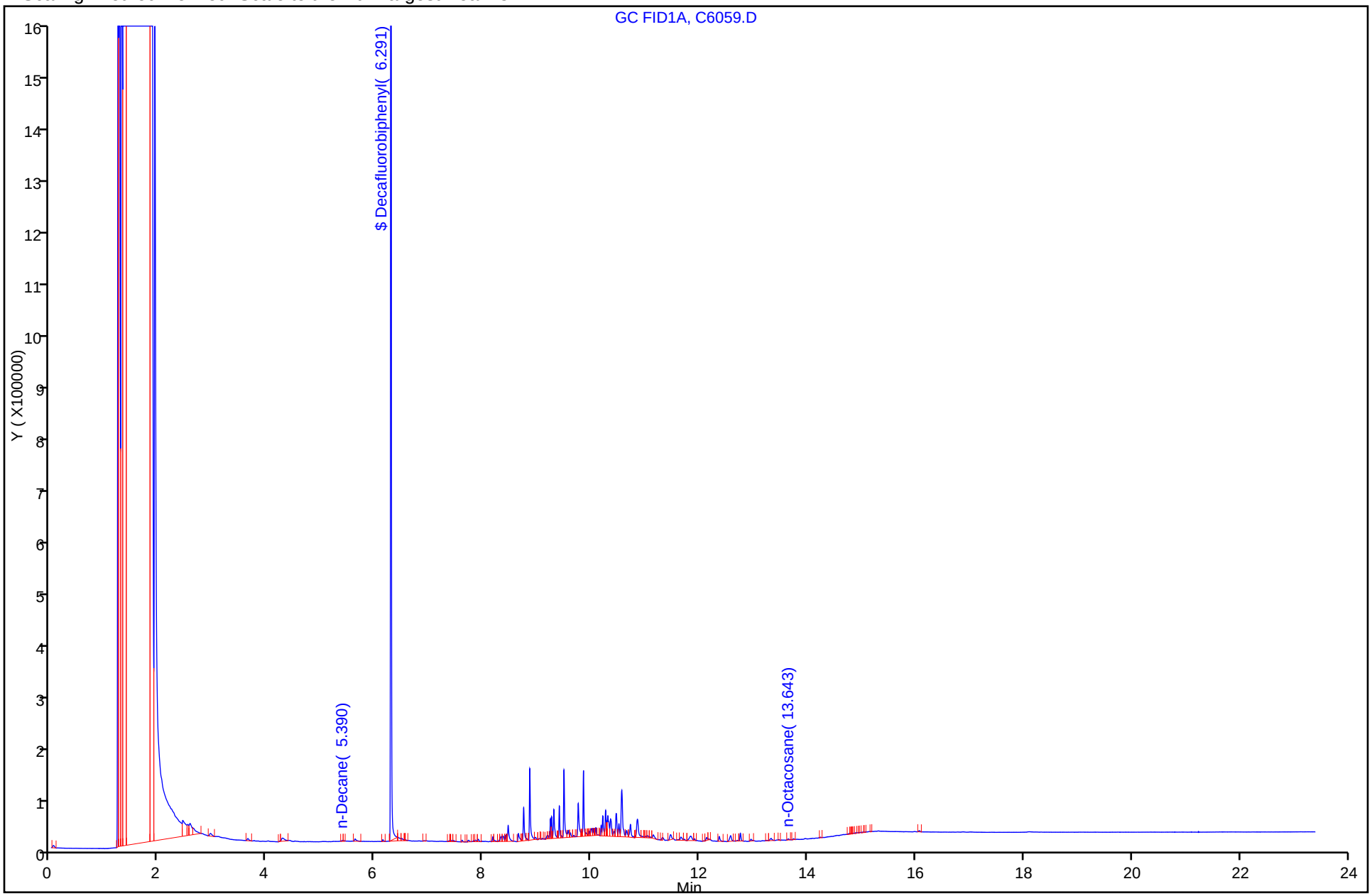
First Level Reviewer: iversc Date: 30-Sep-2011 17:24:07

Compound	RT	EXP RT	DLT RT	Response	On-Col Amt ug/ml	Flags
7 C35		0.000				1
9 n-Octane		3.072				1
1 n-Decane	5.390	5.379	0.011	3062	0	
$ 2 Decafluorobiphenyl	6.291	6.297	-0.006	2777135	25.2	
A 10 C8-C28	8.369	2.966 - 13.772		4399188	25.4	
A 3 C8-C36	9.544	2.966 - 16.123		6366560	34.2	
A 4 C10-C28	9.552	5.333 - 13.772		4011726	24.5	
6 n-Octacosane	13.643	13.651	-0.008	3390	0	
8 n-Hexatriacontane		15.979				1

QC Flag Legend

Processing Flags
1 - Missing Peaks

Report Date: 30-Sep-2011 17:24:07 Chrom Revision: 1.2 13-Jul-2011 10:43:06
Data File: \\valsvr08\ChromData\SGCC\20110930-5637.b\C6059.D
Injection Date: 30-Sep-2011 15:40:45 Limit Group: SGC - 8015 DRO_ERO Calibration
Client ID: Instrument ID: SGCC
Lims Batch ID: 87448 Lims Sample ID: 5
Operator ID: CI Injection Vol: 1.00 ul
Y Scaling: Method Defined: Scale to the Nth Largest Peak: 8



FORM I
DIESEL RANGE ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Valparaiso Job No.: 510-70378-1

SDG No.: 0058-373-01

Client Sample ID: Lab Sample ID: LCS 510-87418/2-A

Matrix: Solid Lab File ID: C6060.D

Analysis Method: 8015B Date Collected:

Extraction Method: 3546 Date Extracted: 09/30/2011 07:50

Sample wt/vol: 30(g) Date Analyzed: 09/30/2011 16:12

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.: 87448 Units: mg/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
STL00524	C8-C36	26.1		20	2.9

CAS NO.	SURROGATE	%REC	Q	LIMITS
434-90-2	Decafluorobiphenyl	76		10-122

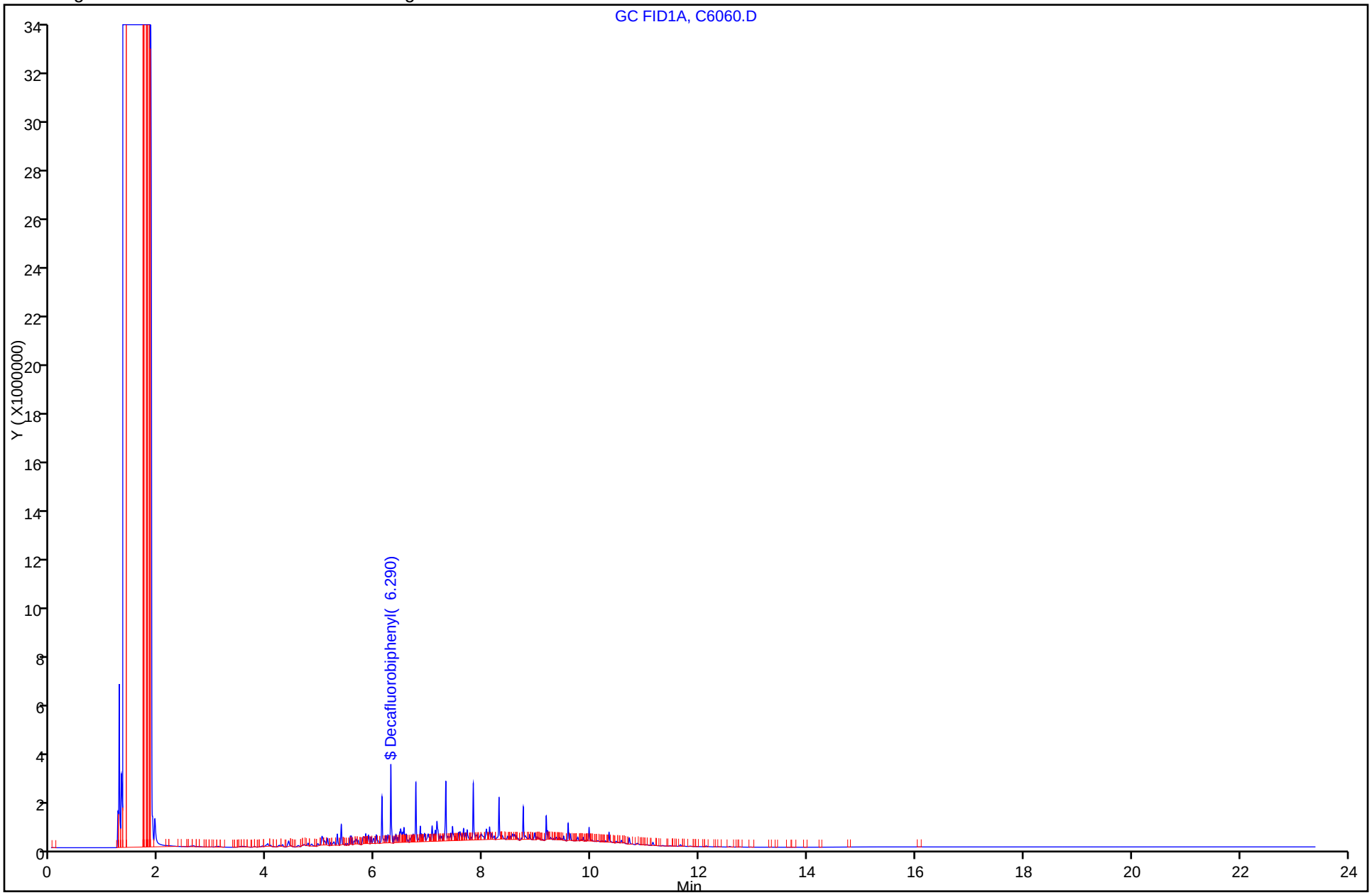
TestAmerica Laboratories
Target Compound Quantitation Report

Data File:	\\valsvr08\ChromData\SGCC\20110930-5637.b\C6060.D		
Lims ID:	LCS 510-87418/2-A	Client ID:	
Inject. Date:	30-Sep-2011 16:12:53	Dil. Factor:	1.0000
Sample Type:	LCS		
Sample ID:	lcs 510-87418/2-a		
Misc. Info.:			
Operator:	CI	Instrument ID:	SGCC
Vol. Injected:	1.0000	ALS Bottle#:	7
Lims Batch ID:	87448	Lims Sample ID:	6
Detector:	GC FID1A		
Method:	\\valsvr08\ChromData\SGCC\20110930-5637.b\DRO_8015.m		
Last Update:	30-Sep-2011 15:28:34	Calib Date:	18-Jul-2011 14:23:06
Quant Method:	External Standard	Quant By:	Initial Calibration
Last ICal File:	\\valsvr08\ChromData\SGCC\20110718-5233.b\G5215.D		
Limit Group:	SGC - 8015 DRO_ERO Calibration		
Integrator:	Falcon		
Process Host:	VAL-SMS-LAB3		

First Level Reviewer: iversc Date: 30-Sep-2011 17:24:16

Compound	RT	EXP RT	DLT RT	Response	On-Col Amt ug/ml	Flags
$ 2 Decafluorobiphenyl	6.290	6.297	-0.007	3342583	30.4	
A 10 C8-C28	8.369	2.966 - 13.772		144099113	830.6	
A 3 C8-C36	9.544	2.966 - 16.123		145431363	782.3	
A 4 C10-C28	9.552	5.333 - 13.772		134393044	821.2	

Report Date: 30-Sep-2011 17:24:16 Chrom Revision: 1.2 13-Jul-2011 10:43:06
Data File: \\valsvr08\ChromData\SGCC\20110930-5637.b\C6060.D
Injection Date: 30-Sep-2011 16:12:53 Limit Group: SGC - 8015 DRO_ERO Calibration
Client ID: Instrument ID: SGCC
Lims Batch ID: 87448 Lims Sample ID: 6
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.: 510-70378-1

SDG No.: 0058-373-01

Instrument ID: SGCC Start Date: 07/18/2011 09:22

Analysis Batch Number: 83682 End Date: 07/18/2011 15:31

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
ZZZZZ		07/18/2011 09:22	1		8015 (ERO/DRO) 0.25(mm)
ICB 510-83682/2		07/18/2011 09:54	1		8015 (ERO/DRO) 0.25(mm)
STD 510-83682/3 IC		07/18/2011 10:27	1	G5208.D	8015 (ERO/DRO) 0.25(mm)
STD 510-83682/4 IC		07/18/2011 11:00	1	G5209.D	8015 (ERO/DRO) 0.25(mm)
STD 510-83682/5 IC		07/18/2011 11:33	1	G5210.D	8015 (ERO/DRO) 0.25(mm)
STD 510-83682/6 IC		07/18/2011 12:07	1	G5211.D	8015 (ERO/DRO) 0.25(mm)
STD 510-83682/7 IC		07/18/2011 12:41	1	G5212.D	8015 (ERO/DRO) 0.25(mm)
STD 510-83682/8 IC		07/18/2011 13:15	1	G5213.D	8015 (ERO/DRO) 0.25(mm)
STD 510-83682/9 IC		07/18/2011 13:49	1	G5214.D	8015 (ERO/DRO) 0.25(mm)
STD 510-83682/10 IC		07/18/2011 14:23	1	G5215.D	8015 (ERO/DRO) 0.25(mm)
ICB 510-83682/11		07/18/2011 14:57	1		8015 (ERO/DRO) 0.25(mm)
CCV 510-83682/12		07/18/2011 15:31	1		8015 (ERO/DRO) 0.25(mm)

DIESEL RANGE ORGANICS ANALYSIS RUN LOG

Lab Name: TestAmerica Valparaiso Job No.: 510-70378-1

SDG No.: 0058-373-01

Instrument ID: SGCC Start Date: 09/30/2011 13:22

Analysis Batch Number: 87448 End Date: 10/01/2011 14:37

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
ZZZZZ		09/30/2011 13:22	1		8015 (ERO/DRO) 0.25(mm)
ICB 510-87448/2		09/30/2011 13:54	1		8015 (ERO/DRO) 0.25(mm)
CCV 510-87448/3		09/30/2011 14:26	1	C6057.D	8015 (ERO/DRO) 0.25(mm)
ICB 510-87448/4		09/30/2011 14:58	1		8015 (ERO/DRO) 0.25(mm)
MB 510-87418/1-A		09/30/2011 15:40	1	C6059.D	8015 (ERO/DRO) 0.25(mm)
LCS 510-87418/2-A		09/30/2011 16:12	1	C6060.D	8015 (ERO/DRO) 0.25(mm)
ZZZZZ		09/30/2011 16:45	1		8015 (ERO/DRO) 0.25(mm)
ZZZZZ		09/30/2011 17:18	1		8015 (ERO/DRO) 0.25(mm)
ZZZZZ		09/30/2011 17:50	1		8015 (ERO/DRO) 0.25(mm)
ZZZZZ		09/30/2011 18:23	1		8015 (ERO/DRO) 0.25(mm)
ZZZZZ		09/30/2011 18:55	1		8015 (ERO/DRO) 0.25(mm)
ZZZZZ		09/30/2011 19:27	1		8015 (ERO/DRO) 0.25(mm)
ZZZZZ		09/30/2011 20:00	1		8015 (ERO/DRO) 0.25(mm)
ZZZZZ		09/30/2011 20:32	1		8015 (ERO/DRO) 0.25(mm)
ZZZZZ		09/30/2011 21:04	1		8015 (ERO/DRO) 0.25(mm)
CCV 510-87448/16		09/30/2011 21:36	1	C6070.D	8015 (ERO/DRO) 0.25(mm)
ZZZZZ		09/30/2011 22:08	1		8015 (ERO/DRO) 0.25(mm)
ZZZZZ		09/30/2011 22:40	1		8015 (ERO/DRO) 0.25(mm)
ZZZZZ		09/30/2011 23:12	1		8015 (ERO/DRO) 0.25(mm)
ZZZZZ		09/30/2011 23:44	1		8015 (ERO/DRO) 0.25(mm)
ZZZZZ		10/01/2011 00:16	1		8015 (ERO/DRO) 0.25(mm)
ZZZZZ		10/01/2011 00:48	1		8015 (ERO/DRO) 0.25(mm)
ZZZZZ		10/01/2011 01:19	1		8015 (ERO/DRO) 0.25(mm)
ZZZZZ		10/01/2011 01:51	1		8015 (ERO/DRO) 0.25(mm)
ZZZZZ		10/01/2011 13:33	1		8015 (ERO/DRO) 0.25(mm)
ZZZZZ		10/01/2011 14:05	1		8015 (ERO/DRO) 0.25(mm)
ZZZZZ		10/01/2011 14:37	1		8015 (ERO/DRO) 0.25(mm)

DIESEL RANGE ORGANICS ANALYSIS RUN LOG

Lab Name: TestAmerica Valparaiso Job No.: 510-70378-1

SDG No.: 0058-373-01

Instrument ID: SGCC Start Date: 10/03/2011 08:06

Analysis Batch Number: 87521 End Date: 10/03/2011 22:42

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
ZZZZZ		10/03/2011 08:06	1		8015 (ERO/DRO) 0.25(mm)
ICB 510-87521/2		10/03/2011 08:38	1		8015 (ERO/DRO) 0.25(mm)
CCV 510-87521/3		10/03/2011 09:10	1	C6057.D	8015 (ERO/DRO) 0.25(mm)
ICB 510-87521/4		10/03/2011 09:43	1		8015 (ERO/DRO) 0.25(mm)
ZZZZZ		10/03/2011 10:16	1		8015 (ERO/DRO) 0.25(mm)
ZZZZZ		10/03/2011 10:48	1		8015 (ERO/DRO) 0.25(mm)
ZZZZZ		10/03/2011 11:21	1		8015 (ERO/DRO) 0.25(mm)
510-70378-1 DL	Foundry Fill #1 DL	10/03/2011 11:53	5	C6074.D	8015 (ERO/DRO) 0.25(mm)
ZZZZZ		10/03/2011 12:26	5		8015 (ERO/DRO) 0.25(mm)
ZZZZZ		10/03/2011 12:59	1		8015 (ERO/DRO) 0.25(mm)
ZZZZZ		10/03/2011 13:31	1		8015 (ERO/DRO) 0.25(mm)
ZZZZZ		10/03/2011 14:04	1		8015 (ERO/DRO) 0.25(mm)
ZZZZZ		10/03/2011 14:36	1		8015 (ERO/DRO) 0.25(mm)
ZZZZZ		10/03/2011 15:09	1		8015 (ERO/DRO) 0.25(mm)
ZZZZZ		10/03/2011 15:41	1		8015 (ERO/DRO) 0.25(mm)
CCV 510-87521/16		10/03/2011 16:14	1	C6082.D	8015 (ERO/DRO) 0.25(mm)
ZZZZZ		10/03/2011 16:46	1		8015 (ERO/DRO) 0.25(mm)
ZZZZZ		10/03/2011 17:18	1		8015 (ERO/DRO) 0.25(mm)
ZZZZZ		10/03/2011 17:50	1		8015 (ERO/DRO) 0.25(mm)
ZZZZZ		10/03/2011 18:22	1		8015 (ERO/DRO) 0.25(mm)
ZZZZZ		10/03/2011 18:54	1		8015 (ERO/DRO) 0.25(mm)
ZZZZZ		10/03/2011 19:26	1		8015 (ERO/DRO) 0.25(mm)
ZZZZZ		10/03/2011 19:58	1		8015 (ERO/DRO) 0.25(mm)
ZZZZZ		10/03/2011 20:31	1		8015 (ERO/DRO) 0.25(mm)
ZZZZZ		10/03/2011 21:04	1		8015 (ERO/DRO) 0.25(mm)
ZZZZZ		10/03/2011 21:37	1		8015 (ERO/DRO) 0.25(mm)
ZZZZZ		10/03/2011 22:09	1		8015 (ERO/DRO) 0.25(mm)
CCV 510-87521/28		10/03/2011 22:42	1	C6094.D	8015 (ERO/DRO) 0.25(mm)

DIESEL RANGE ORGANICS ANALYSIS RUN LOG

Lab Name: TestAmerica Valparaiso Job No.: 510-70378-1

SDG No.: 0058-373-01

Instrument ID: SGCC Start Date: 10/04/2011 08:59

Analysis Batch Number: 87599 End Date: 10/04/2011 22:51

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
ZZZZZ		10/04/2011 08:59	1		8015 (ERO/DRO) 0.25(mm)
ICB 510-87599/2		10/04/2011 09:30	1		8015 (ERO/DRO) 0.25(mm)
CCV 510-87599/3		10/04/2011 10:02	1		8015 (ERO/DRO) 0.25(mm)
ICB 510-87599/4		10/04/2011 10:33	1		8015 (ERO/DRO) 0.25(mm)
ZZZZZ		10/04/2011 11:06	1		8015 (ERO/DRO) 0.25(mm)
ZZZZZ		10/04/2011 11:38	1		8015 (ERO/DRO) 0.25(mm)
ZZZZZ		10/04/2011 12:11	1		8015 (ERO/DRO) 0.25(mm)
ZZZZZ		10/04/2011 12:43	1		8015 (ERO/DRO) 0.25(mm)
ZZZZZ		10/04/2011 13:16	1		8015 (ERO/DRO) 0.25(mm)
ZZZZZ		10/04/2011 13:48	1		8015 (ERO/DRO) 0.25(mm)
ZZZZZ		10/04/2011 14:20	1		8015 (ERO/DRO) 0.25(mm)
ZZZZZ		10/04/2011 14:53	1		8015 (ERO/DRO) 0.25(mm)
ZZZZZ		10/04/2011 15:25	1		8015 (ERO/DRO) 0.25(mm)
ZZZZZ		10/04/2011 15:57	1		8015 (ERO/DRO) 0.25(mm)
ZZZZZ		10/04/2011 16:29	1		8015 (ERO/DRO) 0.25(mm)
CCV 510-87599/16		10/04/2011 17:01	1	C6115.D	8015 (ERO/DRO) 0.25(mm)
ZZZZZ		10/04/2011 17:33	1		8015 (ERO/DRO) 0.25(mm)
ZZZZZ		10/04/2011 18:05	1		8015 (ERO/DRO) 0.25(mm)
ZZZZZ		10/04/2011 18:36	1		8015 (ERO/DRO) 0.25(mm)
ZZZZZ		10/04/2011 19:08	1		8015 (ERO/DRO) 0.25(mm)
ZZZZZ		10/04/2011 19:40	1		8015 (ERO/DRO) 0.25(mm)
ZZZZZ		10/04/2011 20:11	1		8015 (ERO/DRO) 0.25(mm)
ZZZZZ		10/04/2011 20:43	1		8015 (ERO/DRO) 0.25(mm)
ZZZZZ		10/04/2011 21:14	1		8015 (ERO/DRO) 0.25(mm)
510-70378-2	Foundry Fill #2	10/04/2011 21:46	1	C6124.D	8015 (ERO/DRO) 0.25(mm)
ZZZZZ		10/04/2011 22:18	1		8015 (ERO/DRO) 0.25(mm)
CCV 510-87599/27		10/04/2011 22:51	1	C6126.D	8015 (ERO/DRO) 0.25(mm)

DIESEL RANGE ORGANICS BATCH WORKSHEET

Lab Name: TestAmerica Valparaiso Job No.: 510-70378-1

SDG No.: 0058-373-01

Batch Number: 87418 Batch Start Date: 09/30/11 07:50 Batch Analyst: Page, Sarah N

Batch Method: 3546 Batch End Date:

Lab Sample ID	Client Sample ID	Method Chain	Basis	InitialAmount	FinalAmount	MSD-DIESEL 00034	SGSSDFB 00026		
MB 510-87418/1		3546, 8015B		30 g	1 mL		100 uL		
LCS 510-87418/2		3546, 8015B		30 g	1 mL	100 uL	100 uL		
510-70378-F-1	Foundry Fill #1	3546, 8015B	T	30.12 g	1 mL		100 uL		
510-70378-F-2	Foundry Fill #2	3546, 8015B	T	30.85 g	1 mL		100 uL		

Batch Notes	
Balance ID	37912
MeCL2 Lot #	dcm_00061
Na2SO4 Lot Number	opna2so4_00020
Ottawa Sand Lot #	opsand_00006
Person's name who did the prep	Sarah Page
Water Bath Temperature	34, 33

Basis	Basis Description
T	Total/NA

METALS

COVER PAGE
METALS

Lab Name: TestAmerica Valparaiso Job Number: 510-70378-1

SDG No.: 0058-373-01

Project: South Bend Former Studebaker Foundry

Client Sample ID	Lab Sample ID
Foundry Fill #1	510-70378-1
Foundry Fill #2	510-70378-2

Comments:

COVER PAGE
METALS

Lab Name: TestAmerica Chicago Job Number: 510-70378-1

SDG No.: 0058-373-01

Project: South Bend Former Studebaker Foundry

Client Sample ID	Lab Sample ID
Foundry Fill #1	510-70378-1
Foundry Fill #2	510-70378-2

Comments:

1A-IN
INORGANIC ANALYSIS DATA SHEET
METALS

Client Sample ID: Foundry Fill #1
Lab Sample ID: 510-70378-1
Lab Name: TestAmerica Valparaiso
Job No.: 510-70378-1
SDG ID.: 0058-373-01
Matrix: Solid
Date Sampled: 09/23/2011 09:00
Reporting Basis: DRY
Date Received: 09/23/2011 14:55
% Solids: 94.2

CAS No.	Analyte	Result	RL	MDL	Units	C	Q	DIL	Method
7439-97-6	Mercury	0.037	0.020	0.0057	mg/Kg			1	7471A

1A-IN
INORGANIC ANALYSIS DATA SHEET
METALS

Client Sample ID: Foundry Fill #2
Lab Sample ID: 510-70378-2
Lab Name: TestAmerica Valparaiso
Job No.: 510-70378-1
SDG ID.: 0058-373-01
Matrix: Solid
Date Sampled: 09/23/2011 09:15
Reporting Basis: DRY
Date Received: 09/23/2011 14:55
% Solids: 94.3

CAS No.	Analyte	Result	RL	MDL	Units	C	Q	DIL	Method
7439-97-6	Mercury	0.038	0.020	0.0058	mg/Kg			1	7471A

1A-IN
INORGANIC ANALYSIS DATA SHEET
METALS

Client Sample ID: Foundry Fill #1 Lab Sample ID: 510-70378-1

Lab Name: TestAmerica Chicago Job No.: 510-70378-1

SDG ID.: 0058-373-01

Matrix: Solid Date Sampled: 09/23/2011 09:00

Reporting Basis: DRY Date Received: 09/23/2011 14:55

% Solids: 94.2

CAS No.	Analyte	Result	RL	MDL	Units	C	Q	DIL	Method
7440-36-0	Antimony	<2.0	2.0	0.23	mg/Kg			1	6010B
7440-38-2	Arsenic	11	1.0	0.14	mg/Kg			1	6010B
7440-39-3	Barium	63	1.0	0.056	mg/Kg			1	6010B
7440-43-9	Cadmium	<0.20	0.20	0.027	mg/Kg			1	6010B
7440-47-3	Chromium	9.5	1.0	0.085	mg/Kg			1	6010B
7440-50-8	Copper	9.2	1.0	0.14	mg/Kg			1	6010B
7439-92-1	Lead	38	0.50	0.24	mg/Kg			1	6010B
7440-02-0	Nickel	7.5	1.0	0.066	mg/Kg			1	6010B
7782-49-2	Selenium	<1.0	1.0	0.28	mg/Kg			1	6010B
7440-22-4	Silver	<0.50	0.50	0.063	mg/Kg			1	6010B
7440-28-0	Thallium	<1.0	1.0	0.34	mg/Kg			1	6010B

1A-IN
INORGANIC ANALYSIS DATA SHEET
METALS

Client Sample ID: Foundry Fill #2 | Lab Sample ID: 510-70378-2

Lab Name: TestAmerica Chicago | Job No.: 510-70378-1

SDG ID.: 0058-373-01

Matrix: Solid | Date Sampled: 09/23/2011 09:15

Reporting Basis: DRY | Date Received: 09/23/2011 14:55

% Solids: 94.3

CAS No.	Analyte	Result	RL	MDL	Units	C	Q	DIL	Method
7440-36-0	Antimony	<2.0	2.0	0.23	mg/Kg			1	6010B
7440-38-2	Arsenic	7.3	0.98	0.14	mg/Kg			1	6010B
7440-39-3	Barium	53	0.98	0.055	mg/Kg			1	6010B
7440-43-9	Cadmium	2.7	0.20	0.027	mg/Kg			1	6010B
7440-47-3	Chromium	47	0.98	0.083	mg/Kg			1	6010B
7440-50-8	Copper	120	0.98	0.14	mg/Kg			1	6010B
7439-92-1	Lead	270	0.49	0.24	mg/Kg			1	6010B
7440-02-0	Nickel	49	0.98	0.065	mg/Kg			1	6010B
7782-49-2	Selenium	<0.98	0.98	0.27	mg/Kg			1	6010B
7440-22-4	Silver	0.89	0.49	0.062	mg/Kg			1	6010B
7440-28-0	Thallium	<0.98	0.98	0.33	mg/Kg			1	6010B

2A-IN
CALIBRATION VERIFICATIONS
METALS

Lab Name: TestAmerica Valparaiso Job No.: 510-70378-1

SDG No.: 0058-373-01

ICV Source: MEhgicv_00081 Concentration Units: mg/L

CCV Source: MEhgcal_00082

Analyte	ICV 510-87339/10 09/28/2011 16:32				CCV 510-87339/36 09/28/2011 17:38				CCV 510-87339/48 09/28/2011 18:05			
	Found	C	True	%R	Found	C	True	%R	Found	C	True	%R
Mercury	0.00607		0.00556	109	0.00513		0.00500	103	0.00518		0.00500	104

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.: 510-70378-1

SDG No.: 0058-373-01

ICV Source: MEhgicv_00081 Concentration Units: mg/L

CCV Source: MEhgcal_00082

Analyte	CCV 510-87339/60 09/28/2011 18:31				CCV 510-87339/70 09/28/2011 18:54							
	Found	C	True	%R	Found	C	True	%R	Found	C	True	%R
Mercury	0.00504		0.00500	101	0.00502		0.00500	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 Chicago Job No.: 510-70378-1

SDG No.: 0058-373-01

ICV Source: M11IICVIC_00001 Concentration Units: mg/L

CCV Source: M11ICCVIC_00002

Analyte	ICV 500-127294/10 09/30/2011 10:32				CCV 500-127294/15 09/30/2011 11:08				CCV 500-127294/27 09/30/2011 12:27			
	Found	C	True	%R	Found	C	True	%R	Found	C	True	%R
Antimony	0.409		0.400	102	0.512		0.500	102	0.511		0.500	102
Arsenic	0.410		0.400	103	0.510		0.500	102	0.511		0.500	102
Barium	0.404		0.400	101	0.502		0.500	100	0.500		0.500	100
Cadmium	0.402		0.400	101	0.502		0.500	100	0.504		0.500	101
Chromium	0.398		0.400	100	0.500		0.500	100	0.501		0.500	100
Copper	0.405		0.400	101	0.505		0.500	101	0.506		0.500	101
Lead	0.405		0.400	101	0.508		0.500	102	0.508		0.500	102
Nickel	0.402		0.400	100	0.505		0.500	101	0.505		0.500	101
Selenium	0.399		0.400	100	0.499		0.500	100	0.496		0.500	99
Silver	0.402		0.400	100	0.504		0.500	101	0.504		0.500	101
Thallium	0.408		0.400	102	0.513		0.500	103	0.516		0.500	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 Chicago Job No.: 510-70378-1

SDG No.: 0058-373-01

ICV Source: M11IICVIC_00001 Concentration Units: mg/L

CCV Source: M11ICCVIC_00002

Analyte	CCV 500-127294/39 09/30/2011 13:46				CCV 500-127294/49 09/30/2011 14:50							
	Found	C	True	%R	Found	C	True	%R	Found	C	True	%R
Antimony	0.509		0.500	102	0.510		0.500	102				
Arsenic	0.507		0.500	101	0.505		0.500	101				
Barium	0.497		0.500	99	0.502		0.500	100				
Cadmium	0.499		0.500	100	0.496		0.500	99				
Chromium	0.498		0.500	100	0.494		0.500	99				
Copper	0.504		0.500	101	0.509		0.500	102				
Lead	0.505		0.500	101	0.504		0.500	101				
Nickel	0.502		0.500	100	0.500		0.500	100				
Selenium	0.494		0.500	99	0.496		0.500	99				
Silver	0.501		0.500	100	0.503		0.500	101				
Thallium	0.511		0.500	102	0.510		0.500	102				

Note! Calculations are performed before rounding to avoid round-off errors in calculated results.
Italicized analytes were not requested for this sequence.

2B-IN
CRQL CHECK STANDARD
METALS

Lab Name: TestAmerica Chicago Job No.: 510-70378-1

SDG No.: 0058-373-01

Method: 6010B Instrument ID: ICP5

Lab Sample ID: CRI 500-127294/12 Concentration Units: mg/L

CRQL Check Standard Source: M11HCRIIC_00001

Analyte	CRQL Check Standard				
	True	Found	Qualifiers	%R(1)	Limits
Antimony	0.0400	0.0431		108	50-150
Arsenic	0.0200	0.0195		97	50-150
Barium	0.0200	0.0199		100	50-150
Cadmium	0.00400	0.00429		107	50-150
Chromium	0.0200	0.0202		101	50-150
Copper	0.0200	0.0194		97	50-150
Lead	0.0100	0.0109		109	50-150
Nickel	0.0200	0.0203		101	50-150
Selenium	0.0200	0.0197		98	50-150
Silver	0.0100	0.00974		97	50-150
Thallium	0.0200	0.0195		98	50-150

Lab Sample ID: CRI 500-127294/51 Concentration Units: mg/L

CRQL Check Standard Source: M11HCRIIC_00001

Analyte	CRQL Check Standard				
	True	Found	Qualifiers	%R(1)	Limits
Antimony	0.0400	0.0412		103	50-150
Arsenic	0.0200	0.0186		93	50-150
Barium	0.0200	0.0197		99	50-150
Cadmium	0.00400	0.00416		104	50-150
Chromium	0.0200	0.0200		100	50-150
Copper	0.0200	0.0194		97	50-150
Lead	0.0100	0.00935		94	50-150
Nickel	0.0200	0.0202		101	50-150
Selenium	0.0200	0.0191		95	50-150
Silver	0.0100	0.00948		95	50-150
Thallium	0.0200	0.0202		101	50-150

Note! Calculations are performed before rounding to avoid round-off errors in calculated results.

FORM IIB-IN

3-IN
INSTRUMENT BLANKS
METALS

Lab Name: TestAmerica Chicago Job No.: 510-70378-1

SDG No.: 0058-373-01

Concentration Units: mg/L

Analyte	RL	ICB 500-127294/11 09/30/2011 10:40		CCB 500-127294/16 09/30/2011 11:14		CCB 500-127294/28 09/30/2011 12:34		CCB 500-127294/40 09/30/2011 13:52	
		Found	C	Found	C	Found	C	Found	C
Antimony	0.020	<0.020		<0.020		<0.020		<0.020	
Arsenic	0.010	<0.010		<0.010		<0.010		<0.010	
Barium	0.010	<0.010		<0.010		<0.010		<0.010	
Cadmium	0.0020	<0.0020		<0.0020		<0.0020		<0.0020	
Chromium	0.010	<0.010		<0.010		<0.010		<0.010	
Copper	0.010	<0.010		<0.010		<0.010		<0.010	
Lead	0.0050	<0.0050		<0.0050		<0.0050		<0.0050	
Nickel	0.010	<0.010		<0.010		<0.010		<0.010	
Selenium	0.010	<0.010		<0.010		<0.010		<0.010	
Silver	0.0050	<0.0050		<0.0050		<0.0050		<0.0050	
Thallium	0.010	<0.010		<0.010		<0.010		<0.010	

Italicized analytes were not requested for this sequence.

3-IN
INSTRUMENT BLANKS
METALS

Lab Name: TestAmerica Chicago Job No.: 510-70378-1

SDG No.: 0058-373-01

Concentration Units: mg/L

Analyte	RL	CCB 500-127294/50 09/30/2011 14:57							
		Found	C	Found	C	Found	C	Found	C
Antimony	0.020	<0.020							
Arsenic	0.010	<0.010							
Barium	0.010	<0.010							
Cadmium	0.0020	<0.0020							
Chromium	0.010	<0.010							
Copper	0.010	<0.010							
Lead	0.0050	<0.0050							
Nickel	0.010	<0.010							
Selenium	0.010	<0.010							
Silver	0.0050	<0.0050							
Thallium	0.010	<0.010							

Italicized analytes were not requested for this sequence.

3-IN
METHOD BLANK
METALS

Lab Name: TestAmerica Valparaiso Job No.: 510-70378-1

SDG No.: 0058-373-01

Concentration Units: mg/Kg Lab Sample ID: MB 510-87274/1-A

Instrument Code: MHGC Batch No.: 87339

CAS No.	Analyte	Concentration	C	Q	Method
7439-97-6	Mercury	<0.010			7471A

FORM III-IN

3-IN
METHOD BLANK
METALS

Lab Name: TestAmerica Chicago Job No.: 510-70378-1

SDG No.: 0058-373-01

Concentration Units: mg/Kg Lab Sample ID: MB 500-127081/1-A

Instrument Code: ICP5 Batch No.: 127294

CAS No.	Analyte	Concentration	C	Q	Method
7440-36-0	Antimony	<2.0			6010B
7440-38-2	Arsenic	<1.0			6010B
7440-39-3	Barium	<1.0			6010B
7440-43-9	Cadmium	<0.20			6010B
7440-47-3	Chromium	<1.0			6010B
7440-50-8	Copper	<1.0			6010B
7439-92-1	Lead	<0.50			6010B
7440-02-0	Nickel	<1.0			6010B
7782-49-2	Selenium	<1.0			6010B
7440-22-4	Silver	<0.50			6010B
7440-28-0	Thallium	<1.0			6010B

4A-IN
INTERFERENCE CHECK STANDARD
METALS

Lab Name: TestAmerica Chicago Job No.: 510-70378-1

SDG No.: 0058-373-01

Lab Sample ID: ICSA 500-127294/13 Instrument ID: ICP5

Lab File ID: P50930A ICS Source: M11HISAIC_00001

Concentration Units: mg/L

Analyte	True Solution A	Found Solution A	Percent Recovery
Antimony		**0.0010**	
Arsenic		**-0.0021**	
Barium		**0.0003**	
Cadmium		**0.0000**	
Chromium		**0.0021**	
Copper		**-0.0022**	
Lead		**0.0036**	
Nickel		**0.0014**	
Selenium		**-0.0016**	
Silver		**0.0004**	
Thallium		**0.0022**	
Aluminum	*500*	*495*	*99*
Beryllium		*0.0000*	
Boron		*0.0008*	
Calcium	*500*	*494*	*99*
Cobalt		*0.0004*	
Iron	*200*	*189*	*94*
Magnesium	*500*	*520*	*104*
Manganese		*0.0041*	
Molybdenum		*-0.0032*	
Potassium		*0.0108*	
Silicon		*0.0087*	
Sodium		*0.0384*	
Strontium		*0.0023*	
Tin		*-0.0014*	
Titanium		*-0.0006*	
Total Heavy Metals		*0.0000*	
Vanadium		*0.0065*	
Zinc		*0.0039*	

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 Chicago Job No.: 510-70378-1

SDG No.: 0058-373-01

Lab Sample ID: ICSAB 500-127294/14 Instrument ID: ICP5

Lab File ID: P50930A ICS Source: M11HISBIC_00001

Concentration Units: mg/L

Analyte	True Solution AB	Found Solution AB	Percent Recovery
Antimony	**0.600**	**0.614**	**102**
Arsenic	**0.100**	**0.106**	**106**
Barium	**0.500**	**0.522**	**104**
Cadmium	**1.00**	**0.965**	**96**
Chromium	**0.500**	**0.495**	**99**
Copper	**0.500**	**0.548**	**110**
Lead	**0.0500**	**0.0511**	**102**
Nickel	**1.00**	**0.960**	**96**
Selenium	**0.0500**	**0.0485**	**97**
Silver	**0.200**	**0.219**	**109**
Thallium	**0.100**	**0.107**	**107**
Aluminum	*500*	*505*	*101*
Beryllium	*0.500*	*0.498*	*100*
Boron		*0.0020*	
Calcium	*500*	*504*	*101*
Cobalt	*0.500*	*0.482*	*96*
Iron	*200*	*193*	*97*
Magnesium	*500*	*532*	*106*
Manganese	*0.500*	*0.515*	*103*
Molybdenum		*-0.0023*	
Potassium		*0.0035*	
Silicon		*0.0195*	
Sodium		*0.0390*	
Strontium		*0.0024*	
Tin		*-0.0013*	
Titanium		*-0.0005*	
Total Heavy Metals		*3.95*	
Vanadium	*0.500*	*0.516*	*103*
Zinc	*1.00*	*0.926*	*93*

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 Chicago Job No.: 510-70378-1

SDG No.: 0058-373-01

Lab Sample ID: ICSA 500-127294/52 Instrument ID: ICP5

Lab File ID: P50930A ICS Source: M11HISAIC_00001

Concentration Units: mg/L

Analyte	True Solution A	Found Solution A	Percent Recovery
Antimony		**0.0033**	
Arsenic		**-0.0033**	
Barium		**0.0003**	
Cadmium		**-0.0002**	
Chromium		**0.0020**	
Copper		**-0.0022**	
Lead		**0.0016**	
Nickel		**0.0010**	
Selenium		**-0.0006**	
Silver		**0.0003**	
Thallium		**0.0029**	
Aluminum	*500*	*490*	*98*
Beryllium		*-0.0001*	
Boron		*0.0001*	
Calcium	*500*	*488*	*98*
Cobalt		*0.0003*	
Iron	*200*	*187*	*93*
Magnesium	*500*	*516*	*103*
Manganese		*0.0041*	
Molybdenum		*-0.0063*	
Potassium		*0.0120*	
Silicon		*0.0075*	
Sodium		*0.0138*	
Strontium		*0.0023*	
Tin		*-0.0031*	
Titanium		*-0.0006*	
Total Heavy Metals		*0.0000*	
Vanadium		*0.0053*	
Zinc		*0.0034*	

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 Chicago Job No.: 510-70378-1

SDG No.: 0058-373-01

Lab Sample ID: ICSAB 500-127294/53 Instrument ID: ICP5

Lab File ID: P50930A ICS Source: M11HISBIC_00001

Concentration Units: mg/L

Analyte	True Solution AB	Found Solution AB	Percent Recovery
Antimony	**0.600**	**0.609**	**101**
Arsenic	**0.100**	**0.103**	**103**
Barium	**0.500**	**0.520**	**104**
Cadmium	**1.00**	**0.959**	**96**
Chromium	**0.500**	**0.490**	**98**
Copper	**0.500**	**0.547**	**109**
Lead	**0.0500**	**0.0504**	**101**
Nickel	**1.00**	**0.953**	**95**
Selenium	**0.0500**	**0.0466**	**93**
Silver	**0.200**	**0.218**	**109**
Thallium	**0.100**	**0.107**	**107**
Aluminum	*500*	*504*	*101*
Beryllium	*0.500*	*0.493*	*99*
Boron		*0.0012*	
Calcium	*500*	*500*	*100*
Cobalt	*0.500*	*0.479*	*96*
Iron	*200*	*192*	*96*
Magnesium	*500*	*528*	*106*
Manganese	*0.500*	*0.513*	*103*
Molybdenum		*-0.0027*	
Potassium		*0.0009*	
Silicon		*0.0196*	
Sodium		*0.0182*	
Strontium		*0.0024*	
Tin		*-0.0007*	
Titanium		*-0.0004*	
Total Heavy Metals		*3.92*	
Vanadium	*0.500*	*0.513*	*103*
Zinc	*1.00*	*0.918*	*92*

Calculations are performed before rounding to avoid round-off errors in calculated results.

FORM IVA-IN

7A-IN
LAB CONTROL SAMPLE
METALS

Lab ID: LCS 510-87274/2-A

Lab Name: TestAmerica Valparaiso Job No.: 510-70378-1

Sample Matrix: Solid LCS Source: MELCSSOIL_00017

Analyte	Solid(mg/Kg)							
	True	Found	C	%R	Limits		Q	Method
Mercury	3.77	4.00		106	72	128		7471A

Calculations are performed before rounding to avoid round-off errors in calculated results.

FORM VIIA - IN

METHOD REPORTING LIMIT CHECK
METALS

Lab ID: MRL 500-127294/17

Lab Name: TestAmerica Chicago Job No.: 510-70378-1

Sample Matrix: Solid LCS Source: M11HMRLIC_00001

Analyte	Solid(mg/L)							
	True	Found	C	%R	Limits		Q	Method
Antimony	0.0200	0.0222		111	80	120		6010B
Arsenic	0.0100	0.0100		100	80	120		6010B
Barium	0.0100	<0.010		100	80	120		6010B
Cadmium	0.00200	0.00226		113	80	120		6010B
Chromium	0.0100	0.0103		103	80	120		6010B
Copper	0.0100	<0.010		99	80	120		6010B
Lead	0.00500	<0.0050		93	80	120		6010B
Nickel	0.0100	0.0106		106	80	120		6010B
Selenium	0.0100	0.0101		101	80	120		6010B
Silver	0.00500	0.00531		106	80	120		6010B
Thallium	0.0100	0.0107		107	80	120		6010B

Calculations are performed before rounding to avoid round-off errors in calculated results.

7A-IN
LAB CONTROL SAMPLE
METALS

Lab ID: LCS 500-127081/2-A

Lab Name: TestAmerica Chicago Job No.: 510-70378-1

Sample Matrix: Solid LCS Source: M11HSPKIC_00001

Analyte	Solid(mg/Kg)							
	True	Found	C	%R	Limits		Q	Method
Antimony	50.0	46.5		93	80	120		6010B
Arsenic	10.0	9.14		91	80	120		6010B
Barium	200	190		95	80	120		6010B
Cadmium	5.00	4.81		96	80	120		6010B
Chromium	20.0	19.7		99	80	120		6010B
Copper	25.0	24.9		100	80	120		6010B
Lead	10.0	10.1		101	80	120		6010B
Nickel	50.0	48.8		98	80	120		6010B
Selenium	10.0	8.43		84	80	120		6010B
Silver	5.00	4.53		91	80	120		6010B
Thallium	10.0	9.58		96	80	120		6010B

Calculations are performed before rounding to avoid round-off errors in calculated results.

FORM VIIA - IN

9-IN
DETECTION LIMITS
METALS

Lab Name: TestAmerica Valparaiso Job Number: 510-70378-1

SDG Number: 0058-373-01

Matrix: Solid Instrument ID: MHGC

Method: 7471A MDL Date: 01/26/2009 09:31

Prep Method: 7471A

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: 510-70378-1

SDG Number: 0058-373-01

Matrix: Solid Instrument ID: MHGC

Method: 7471A XMDL Date: 01/26/2009 09:31

Analyte	Wavelength/ Mass	XRL (mg/L)	XMDL (mg/L)
Mercury		0.0002	0.0000571

9-IN
DETECTION LIMITS
METALS

Lab Name: TestAmerica Chicago Job Number: 510-70378-1

SDG Number: 0058-373-01

Matrix: Solid Instrument ID: ICP5

Method: 6010B MDL Date: 04/15/2011 15:19

Prep Method: 3050B

Analyte	Wavelength/ Mass	RL (mg/Kg)	MDL (mg/Kg)
Antimony		2	0.23
Arsenic		1	0.14
Barium		1	0.056
Cadmium		0.2	0.027
Chromium		1	0.085
Copper		1	0.14
Lead		0.5	0.24
Nickel		1	0.066
Selenium		1	0.28
Silver		0.5	0.063
Thallium		1	0.34

9-IN
CALIBRATION BLANK DETECTION LIMITS
METALS

Lab Name: TestAmerica Chicago Job Number: 510-70378-1

SDG Number: 0058-373-01

Matrix: Solid Instrument ID: ICP5

Method: 6010B XMDL Date: 05/25/2006 09:03

Analyte	Wavelength/ Mass	XRL (mg/L)	XMDL (mg/L)
Antimony		0.02	0.01
Arsenic		0.01	0.005
Barium		0.01	0.005
Cadmium		0.002	0.001
Chromium		0.01	0.005
Copper		0.01	0.005
Lead		0.005	0.0025
Nickel		0.01	0.005
Selenium		0.01	0.005
Silver		0.005	0.0025
Thallium		0.01	0.005

092311.IEC5

U.S. EPA - CLP

10A

ICP Interelement Correction Factors (Annually)

Lab Name: TESTAMERICA_CHICAGO_____ Contract: _____

Lab Code: __ Case No.: _____ SAS No.: _____ SDG No :510-70378

ICP ID Number: ICP5_____ Date: 09/23/11

Analyte	Wave-length (nm)	Interelement Correction Factors for : Al	Ca	Fe	Mg	BE_
Aluminum_	308.22	0.0183470	0.0000000	-0.0000250	0.0000000	0.0000000
Antimony_	206.841	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Arsenic__	189.04	0.0000000	0.0000000	-0.0000070	0.0000000	0.0000000
Boron____	249.68	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Barium___	493.41	0.0000000	0.0000000	0.0000070	0.0000000	0.0000000
Beryllium	313.04	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Cadmium__	226.50	0.0000030	0.0000000	0.0001120	0.0000000	0.0000000
Calcium__	317.93	0.0000000	0.0000000	0.0000107	0.0000000	0.0000000
Chromium_	267.72	0.0000000	0.0000000	-0.0000030	0.0000000	0.0000000
Cobalt___	228.62	0.0000000	0.0000000	0.0000070	0.0000000	0.0000000
Copper___	324.75	-0.0000070	0.0000000	0.0000040	0.0000000	0.0000000
Iron_____	271.44	0.0000300	0.0000180	0.0000000	-0.0000400	0.0000000
Lead_____	220.351	0.0004670	0.0000000	0.0000730	0.0000180	0.0000000
Magnesium	279.08	0.0000000	0.0000000	0.0001420	0.0000000	0.0000000
Manganese	257.61	0.0000000	0.0000000	-0.0002380	0.0000000	0.0000000
Mercury__						
Nickel___	231.60	0.0000000	0.0000000	-0.0000000	0.0000000	0.0000000
Potassium	766.49	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Selenium_	196.021	-0.0000000	0.0000000	0.0000230	0.0000000	0.0000000
Silver___	328.07	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Sodium___	589.00	0.0000000	0.0000000	-0.0119100	0.0000000	0.0000000
Thallium_	190.80	-0.0000190	0.0000000	-0.0000890	0.0000000	0.0000000
Tin_____	189.99	-0.0000090	0.0000000	-0.0000970	0.0000000	0.0000000
Vanadium_	292.40	0.0000000	0.0000000	-0.0000140	0.0000070	0.0000000
Zinc_____	213.86	0.0000000	0.0000020	0.0000120	0.0000010	0.0000000
Lead_____	220.352	-0.0002190	0.0000000	0.0000360	0.0000040	0.0000000
Antimony_	206.832	0.0000070	0.0000000	0.0000120	0.0000000	0.0000000
Selenium_	196.022	-0.0000130	0.0000000	-0.0004110	0.0000000	0.0000000
Silicon__	288.16	0.0000014	0.0000000	0.0000000	0.0000000	0.0000000
Molybdenm	202.03	-0.0000110	0.0000000	-0.0002930	0.0000000	0.0000000
Titanium_	334.94	0.0000000	-0.0000190	0.0000000	0.0000000	0.0000000
Sodium___	330.23	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Strontium	421.55	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000

Comments:

FORM XI (Part 1) - IN ILM04.0

Page 1

U.S. EPA - CLP

10B
ICP Interelement Correction Factors (Annually)

Lab Name: TESTAMERICA_CHICAGO_____ Contract: _____

Lab Code: ___ Case No.: _____ SAS No.: _____ SDG No.: 510-70378

ICP ID Number: ICP5_____ Date: 09/23/11

Analyte	Wave-length (nm)	Interelement Correction Factors for : CO_	CR_	CU_	MN_	MO_
Aluminum_	308.22	-0.0160790	0.0000000	0.0000000	0.0000000	-0.0104250
Antimony_	206.841	0.0000000	-0.00553400	0.0000000	0.0000000	0.0000000
Arsenic__	189.04	0.0000000	-0.0000330	0.0000000	0.0000000	-0.0006650
Boron____	249.68	0.0008990	0.0000000	0.0000000	0.0000000	0.0000000
Barium___	493.41	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Beryllium	313.04	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Cadmium__	226.50	-0.0000720	0.0000000	0.0000000	0.0000000	0.0000000
Calcium__	317.93	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Chromium_	267.72	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Cobalt___	228.62	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Copper___	324.75	0.0000000	0.0000030	0.0000000	0.0000000	0.0000000
Iron_____	271.44	0.0819600	0.0132450	0.0000000	-0.0005016	0.0016890
Lead_____	220.351	0.0005170	0.0000140	0.0000000	0.0000000	-0.0006310
Magnesium	279.08	-0.0009540	0.0000000	0.0000000	-0.0091060	-0.0133340
Manganese	257.61	0.0000000	0.0000000	0.0000000	0.0000000	0.0003740
Mercury__						
Nickel___	231.60	-0.0001470	0.0000000	0.0000000	0.0000000	0.0000000
Potassium	766.49	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Selenium_	196.021	0.0002390	0.0000000	0.0000000	-0.0002590	0.0000000
Silver___	328.07	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Sodium___	589.00	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Thallium_	190.86	0.0021740	0.0002690	0.0000000	0.0000678	-0.0015930
Tin_____	189.99	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Vanadium_	292.40	0.0000000	-0.0018000	0.0000000	0.0000000	-0.0033510
Zinc____	206.20	0.0000460	0.0001950	0.0000000	0.0000000	0.0000000
Lead_____	220.352	0.0000040	0.0000060	0.0000000	0.0000000	-0.0012510
Antimony_	206.842	0.0000000	0.0062950	0.0000000	0.0000000	-0.0011060
Selenium_	196.022	-0.0008460	0.0000000	0.0000000	0.0005380	0.0000000
Silicon__	288.16	0.0000000	-0.0029080	0.0000000	0.0000000	0.0000000
Molybdenm	202.03	-0.0001460	0.0000000	-0.0000100	0.0000000	0.0000000
Titanium_	334.94	0.0000000	0.0001910	0.0000000	0.0000000	0.0000000
Strontium	421.55	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Sodium___	330.23	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000

Comments:

U.S. EPA - CLP

10B
ICP Interelement Correction Factors (Annually)

Lab Name: TESTAMERICA_CHICAGO Contract:

Lab Code: Case No.: SAS No.: SDG No.:510-70378

ICP ID Number: ICP5 Date: 09/23/11

Analyte	Wavelength (nm)	Interelement Correction Factors for : NI	SN	TI	V	ZN
Aluminum	308.22	0.0000000	0.0000000	0.0000000	-0.0119770	0.0000000
Antimony	206.841	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Arsenic	189.04	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Boron	249.68	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Barium	493.41	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Beryllium	313.04	0.0000000	0.0000000	-0.0002150	0.0001770	0.0000000
Cadmium	226.50	-0.0000690	0.0000000	0.0000000	0.0000000	0.0000000
Calcium	317.93	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Chromium	267.72	0.0000000	0.0000000	0.0000000	0.0000760	0.0000000
Cobalt	228.62	0.0002380	0.0000000	0.0017020	0.0000000	0.0000000
Copper	324.75	0.0000000	0.0000000	0.0000000	-0.0002140	0.0000000
Iron	271.44	0.0000000	0.0000000	-0.0073890	0.0152910	0.0000000
Lead	220.351	0.0003000	0.0000000	0.0000000	-0.0000060	0.0000000
Magnesium	279.08	0.0000000	0.0000000	-0.0024680	0.0000000	0.0000000
Manganese	257.61	0.0000000	0.0000000	0.0000000	-0.0001610	0.0000000
Mercury						
Nickel	231.60	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Potassium	766.49	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Selenium	196.021	0.0000060	0.0000000	0.0000000	0.0002260	0.0000000
Silver	328.07	0.0000000	0.0000000	0.0000000	0.0003060	0.0000000
Sodium	589.00	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Thallium	190.86	0.0000000	0.0000000	0.0001750	0.0011460	0.0000000
Tin	189.99	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Vanadium	292.40	0.0000000	0.0000000	0.0006440	0.0000000	0.0000000
Zinc	206.20	-0.0000640	0.0000000	0.0002010	0.0000330	0.0000000
Lead	220.352	0.0002270	0.0000000	-0.0008860	-0.0001300	0.0000000
Antimony	206.842	0.0000000	0.0000000	0.0000000	-0.0000060	0.0000000
Selenium	196.022	0.0000000	0.0000000	0.0000000	-0.0000590	0.0000000
Silicon	288.16	0.0000000	0.0094050	0.0326090	0.0004060	0.0000000
Molybdenm	202.03	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Titanium	334.94	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Strontium	421.55	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Sodium	330.23	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000

Comments:

U.S. EPA - CLP

10B
ICP Interelement Correction Factors (Annually)

Lab Name: TESTAMERICA_CHICAGO Contract:

Lab Code: Case No.: SAS No.: SDG No.:510-70378

ICP ID Number: ICP5 Date: 09/23/11

Analyte	Wave-length (nm)	Interelement Correction Factors for : SB	SI	NA	TL	CD
Aluminum	308.22	0.0014890	0.0000000	0.00000000	0.0000000	0.00000000
Antimony	206.841	0.0000000	0.0000000	0.00000000	0.0000000	0.00000000
Arsenic	189.04	0.0000000	0.0000000	0.00000000	0.0000000	0.00000000
Boron	249.68	0.0000000	0.0000000	0.00000000	0.0000000	0.00000000
Barium	493.41	0.0000000	0.0000000	0.00000000	0.0000000	0.00000000
Beryllium	313.04	0.0000000	0.0000000	0.00000000	0.0000000	0.00000000
Cadmium	226.50	0.0000000	0.0000000	0.00000000	0.0000000	0.00000000
Calcium	317.93	0.0000000	0.0000000	0.00000000	0.0000000	0.00000000
Chromium	267.72	0.0000000	0.0000000	0.00000000	0.0000000	0.00000000
Cobalt	228.62	0.0000000	0.0000000	0.00000000	0.0000000	-.00079100
Copper	324.75	0.0000000	0.0000000	0.00000000	0.0000000	0.00000000
Iron	271.44	0.0000000	0.0000000	0.00000000	0.0000000	0.00000000
Lead	220.351	0.0000000	0.0000000	0.00000000	0.0000000	-.00163000
Magnesium	279.08	0.0000000	0.0000000	0.00000000	0.0000000	0.00000000
Manganese	257.61	0.0000000	0.0000000	0.00000000	0.0000000	0.00000000
Mercury						
Nickel	231.60	-0.0001020	0.0000000	0.00000000	0.0000000	0.00000000
Potassium	766.49	0.0000000	0.0000000	0.00000000	0.0000000	0.00000000
Selenium	196.021	0.0000000	0.0000000	0.00000000	0.0000000	0.00000000
Silver	328.07	0.0000000	0.0000000	0.00000000	0.0000000	0.00000000
Sodium	589.00	0.0000000	0.0000000	0.00000000	0.0000000	0.00000000
Thallium	190.86	0.0000000	0.0000000	0.00004100	0.0000000	0.00000000
Tin	190.99	-0.0023800	0.0000000	0.00021100	0.0000000	0.00000000
Vanadium	292.40	0.0000000	0.0000000	0.00000000	0.0005881	0.00000000
Zinc	206.20	0.0000000	0.0000000	0.00000000	0.0000000	0.00000000
Lead	220.352	0.0000000	0.0000000	0.00000000	0.0000000	0.00000000
Antimony	206.842	0.0000000	0.0000000	0.00000000	0.0000000	0.00000000
Selenium	196.022	0.0000000	0.0000000	0.00000000	0.0000000	0.00000000
Silicon	288.16	0.0000000	0.0000000	0.00000000	0.0000000	0.00000000
Molybdenm	202.03	0.0000000	0.0000000	0.00000000	0.0000000	0.00000000
Titanium	334.94	0.0000000	0.0000000	0.00000000	0.0000000	0.00000000
Strontium	421.55	0.0000000	0.0000000	0.00000000	0.0000000	0.00000000
Sodium	330.23	0.0000000	0.0000000	0.00000000	0.0000000	0.00000000

Comments:

11-IN
LINEAR RANGES
METALS

Lab Name: TestAmerica Chicago Job No: 510-70378-1

SDG No.: 0058-373-01

Instrument ID: ICP5 Date: 08/18/2011 07:16

Analyte	Integ. Time (Sec.)	Concentration (mg/L)	Method
Antimony		20	6010B
Arsenic		10.0	6010B
Barium		20.0	6010B
Cadmium		10.0	6010B
Chromium		50.0	6010B
Copper		20.0	6010B
Lead		50.0	6010B
Nickel		50.0	6010B
Selenium		10.0	6010B
Silver		5.0	6010B
Thallium		20.0	6010B

12-IN
PREPARATION LOG
METALS

Lab Name: TestAmerica Valparaiso Job No.: 510-70378-1

SDG No.: 0058-373-01

Prep Method: 7471A

Lab Sample ID	Preparation Date	Prep Batch	Initial Weight (g)	Initial Volume	Final Volume (mL)
MB 510-87274/1-A	09/28/2011 10:39	87274	1.0		50
LCS 510-87274/2-A	09/28/2011 10:39	87274	0.1036		50
510-70378-1	09/28/2011 10:39	87274	0.5297		50
510-70378-2	09/28/2011 10:39	87274	0.5181		50

12-IN
PREPARATION LOG
METALS

Lab Name: TestAmerica Chicago Job No.: 510-70378-1

SDG No.: 0058-373-01

Prep Method: 3050B

Lab Sample ID	Preparation Date	Prep Batch	Initial Weight (g)	Initial Volume	Final Volume (mL)
MB 500-127081/1-A	09/29/2011 09:25	127081	1.0000		100
LCS 500-127081/2-A	09/29/2011 09:25	127081	1.0000		100
510-70378-1	09/29/2011 09:25	127081	1.0628		100
510-70378-2	09/29/2011 09:25	127081	1.0795		100

13-IN
ANALYSIS RUN LOG
METALS

Lab Name: TestAmerica Valparaiso Job No.: 510-70378-1

SDG No.: 0058-373-01

Instrument ID: MHGC Method: 7471A

Start Date: 09/28/2011 16:10 End Date: 09/28/2011 18:56

Lab Sample ID	D / F	Type	Time	Analytes																				
				Hg																				
STD01REP1 510-87339/1 IC			16:10	X																				
STD02REP1 510-87339/2 IC			16:12	X																				
STD03REP1 510-87339/3 IC			16:14	X																				
STD04REP1 510-87339/4 IC			16:16	X																				
STD05REP1 510-87339/5 IC			16:19	X																				
STD06REP1 510-87339/6 IC			16:21	X																				
ZZZZZZ			16:25																					
ZZZZZZ			16:27																					
ZZZZZZ			16:30																					
ICV 510-87339/10	1		16:32	X																				
ZZZZZZ			16:35																					
CCV 510-87339/12			16:45																					
CCB 510-87339/13			16:48																					
ZZZZZZ			16:50																					
ZZZZZZ			16:52																					
ZZZZZZ			16:55																					
ZZZZZZ			16:57																					
ZZZZZZ			16:59																					
ZZZZZZ			17:01																					
ZZZZZZ			17:03																					
ZZZZZZ			17:06																					
ZZZZZZ			17:08																					
ZZZZZZ			17:10																					
CCV 510-87339/24			17:12																					
CCB 510-87339/25			17:14																					
ZZZZZZ			17:17																					
ZZZZZZ			17:19																					
ZZZZZZ			17:21																					
ZZZZZZ			17:23																					
ZZZZZZ			17:25																					
ZZZZZZ			17:27																					
ZZZZZZ			17:30																					
ZZZZZZ			17:32																					
ZZZZZZ			17:34																					
ZZZZZZ			17:36																					
CCV 510-87339/36	1		17:38	X																				
CCB 510-87339/37	1		17:41	X																				
ZZZZZZ			17:43																					
ZZZZZZ			17:45																					

13-IN
ANALYSIS RUN LOG
METALS

Lab Name: TestAmerica Valparaiso Job No.: 510-70378-1

SDG No.: 0058-373-01

Instrument ID: MHGC Method: 7471A

Start Date: 09/28/2011 16:10 End Date: 09/28/2011 18:56

Lab Sample ID	D / F	Type	Time	Analytes																				
				Hg																				
ZZZZZZ			17:47																					
ZZZZZZ			17:49																					
MB 510-87274/1-A	1	T	17:51	X																				
LCS 510-87274/2-A	1	T	17:53	X																				
ZZZZZZ			17:56																					
ZZZZZZ			17:58																					
ZZZZZZ			18:00																					
ZZZZZZ			18:02																					
CCV 510-87339/48	1		18:05	X																				
CCB 510-87339/49	1		18:07	X																				
ZZZZZZ			18:10																					
ZZZZZZ			18:12																					
ZZZZZZ			18:14																					
ZZZZZZ			18:16																					
ZZZZZZ			18:18																					
ZZZZZZ			18:21																					
ZZZZZZ			18:23																					
510-70378-1	1	T	18:25	X																				
510-70378-2	1	T	18:27	X																				
ZZZZZZ			18:29																					
CCV 510-87339/60	1		18:31	X																				
CCB 510-87339/61	1		18:34	X																				
ZZZZZZ			18:36																					
ZZZZZZ			18:38																					
ZZZZZZ			18:41																					
ZZZZZZ			18:43																					
ZZZZZZ			18:45																					
ZZZZZZ			18:48																					
ZZZZZZ			18:50																					
ZZZZZZ			18:52																					
CCV 510-87339/70	1		18:54	X																				
CCB 510-87339/71	1		18:56	X																				

Prep Types
T = Total/NA

13-IN
ANALYSIS RUN LOG
METALS

Lab Name: TestAmerica Chicago Job No.: 510-70378-1

SDG No.: 0058-373-01

Instrument ID: ICP5 Method: 6010B

Start Date: 09/30/2011 09:32 End Date: 09/30/2011 15:30

Lab Sample ID	D/F	Type	Time	Analytes																			
				Ag	As	Ba	Cd	Cr	Cu	Ni	Pb	Sb	Se	Tl										
ZZZZZZ			09:32																				
ZZZZZZ			09:39																				
ZZZZZZ			09:45																				
ZZZZZZ			09:51																				
ZZZZZZ			09:57																				
ZZZZZZ			10:02																				
ZZZZZZ			10:08																				
ZZZZZZ			10:15																				
ZZZZZZ			10:23																				
ICV 500-127294/10	1		10:32	X	X	X	X	X	X	X	X	X	X	X									
ICB 500-127294/11	1		10:40	X	X	X	X	X	X	X	X	X	X	X									
CRI 500-127294/12	1		10:47	X	X	X	X	X	X	X	X	X	X	X									
ICSA 500-127294/13	1		10:53	X	X	X	X	X	X	X	X	X	X	X									
ICSAB 500-127294/14	1		10:59	X	X	X	X	X	X	X	X	X	X	X									
CCV 500-127294/15	1		11:08	X	X	X	X	X	X	X	X	X	X	X									
CCB 500-127294/16	1		11:14	X	X	X	X	X	X	X	X	X	X	X									
MRL 500-127294/17	1	T	11:21	X	X	X	X	X	X	X	X	X	X	X									
MB 500-127081/1-A	1	T	11:27	X	X	X	X	X	X	X	X	X	X	X									
LCS 500-127081/2-A	1	T	11:34	X	X	X	X	X	X	X	X	X	X	X									
ZZZZZZ			11:40																				
ZZZZZZ			11:46																				
ZZZZZZ			11:53																				
ZZZZZZ			11:59																				
ZZZZZZ			12:06																				
ZZZZZZ			12:12																				
ZZZZZZ			12:18																				
CCV 500-127294/27	1		12:27	X	X	X	X	X	X	X	X	X	X	X									
CCB 500-127294/28	1		12:34	X	X	X	X	X	X	X	X	X	X	X									
ZZZZZZ			12:40																				
ZZZZZZ			12:46																				
ZZZZZZ			12:53																				
ZZZZZZ			12:59																				
ZZZZZZ			13:06																				
ZZZZZZ			13:12																				
ZZZZZZ			13:18																				
ZZZZZZ			13:25																				
ZZZZZZ			13:31																				
ZZZZZZ			13:38																				
CCV 500-127294/39	1		13:46	X	X	X	X	X	X	X	X	X	X	X									
CCB 500-127294/40	1		13:52	X	X	X	X	X	X	X	X	X	X	X									
ZZZZZZ			13:58																				
ZZZZZZ			14:05																				

13-IN
ANALYSIS RUN LOG
METALS

Lab Name: TestAmerica Chicago Job No.: 510-70378-1

SDG No.: 0058-373-01

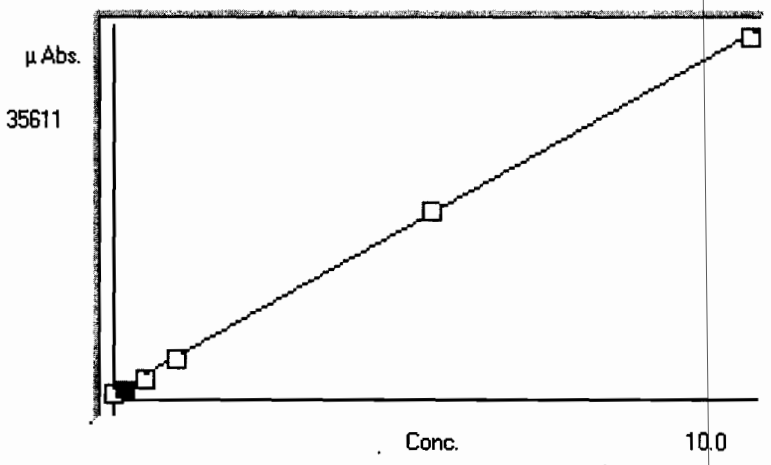
Instrument ID: ICP5 Method: 6010B

Start Date: 09/30/2011 09:32 End Date: 09/30/2011 15:30

Lab Sample ID	D / F	Type	Time	Analytes																			
				Ag	As	Ba	Cd	Cr	Cu	Ni	Pb	Sb	Se	Tl										
ZZZZZZ			14:11																				
ZZZZZZ			14:17																				
ZZZZZZ			14:23																				
510-70378-1	1	T	14:29	X	X	X	X	X	X	X	X	X	X	X									
510-70378-2	1	T	14:36	X	X	X	X	X	X	X	X	X	X	X									
ZZZZZZ			14:42																				
CCV 500-127294/49	1		14:50	X	X	X	X	X	X	X	X	X	X	X									
CCB 500-127294/50	1		14:57	X	X	X	X	X	X	X	X	X	X	X									
CRI 500-127294/51	1		15:03	X	X	X	X	X	X	X	X	X	X	X									
ICSA 500-127294/52	1		15:09	X	X	X	X	X	X	X	X	X	X	X									
ICSAB 500-127294/53	1		15:15	X	X	X	X	X	X	X	X	X	X	X									
CCV 500-127294/54			15:24																				
CCB 500-127294/55			15:30																				

Prep Types
T = Total/NA

Protocol: hgppb1



Linear

☑ Calibrated

☑ Accepted

A

B 2.83455e-4

C -1.62950e-1

Rhc .999808

Accepted Date: 28-Sep-11 16:23

S	Conc.	Calc.	Dev.	Mean	SD or %RSD	Rep 1	Rep 2	Rep 3	Rep 4	Rep 5
01	.00000	.031	.031	686	1	685				
02	.20000	.171	-.029	1177	0%	1177				
03	.50000	.436	-.064	2113	0%	2112				
04	1.0000	.990	-.010	4068	0%	4068				
05	5.0000	5.14	.141	18713	0%	18712				
06	10.000	9.93	-.069	35612	0%	35611				
07										
08										
09										
10										

```
Line   Conc.  Units     SD/RSD      1        2        3        4        5
-------------------------------------------------------------------------------

*** Standard: 1 Rep: 1              Seq:  102     16:10:22 28 Sep 11   HG

Hg    .000    ppb       685                                                  =

*** Standard: 2 Rep: 1              Seq:  103     16:12:29 28 Sep 11   HG

Hg    .200    ppb       1177                                                 =

*** Standard: 3 Rep: 1              Seq:  104     16:14:48 28 Sep 11   HG

Hg    .500    ppb       2112                                                 =

*** Standard: 4 Rep: 1              Seq:  105     16:16:57 28 Sep 11   HG

Hg    1.00    ppb       4068                                                 =

*** Standard: 5 Rep: 1              Seq:  106     16:19:04 28 Sep 11   HG

Hg    5.00    ppb       18712                                                =

*** Standard: 6 Rep: 1              Seq:  107     16:21:12 28 Sep 11   HG

Hg    10.0    ppb       35611                                                =

*** Check Standard: 3  Ck3 ICV      Seq:  108     16:25:11 28 Sep 11   HG
Line  Flag  %Rcv.   Found    True  Units      SD/RSD
Hg      L  -.631   -.035    5.56  ppb          .000  %                       =

*** Check Standard: 3  Ck3 ICV      Seq:  109     16:27:58 28 Sep 11   HG
Line  Flag  %Rcv.   Found    True  Units      SD/RSD
Hg      L  -.514   -.029    5.56  ppb          .000  %                       =

*** Check Standard: 3  Ck3 ICV      Seq:  110     16:30:24 28 Sep 11   HG
Line  Flag  %Rcv.   Found    True  Units      SD/RSD
Hg      L   .281    .016    5.56  ppb          .000  %                       =

*** Check Standard: 3  Ck3 ICV      Seq:  111     16:32:32 28 Sep 11   HG
Line  Flag  %Rcv.   Found    True  Units      SD/RSD
Hg          109.    6.07    5.56  ppb          .000  %                       =

*** Check Standard: 3  Ck3 ICV      Seq:  112     16:35:36 28 Sep 11   HG
Line  Flag  %Rcv.   Found    True  Units      SD/RSD
Hg      H   153.    8.53    5.56  ppb          .000  %                       =

*** Check Standard: 2  Ck2 CCV      Seq:  113     16:45:58 28 Sep 11   HG
Line  Flag  %Rcv.   Found    True  Units      SD/RSD
Hg          97.2    4.86    5.00  ppb          .000  %                       =

*** Check Standard: 1  Ck1 CCB      Seq:  114     16:48:04 28 Sep 11   HG
Line  Flag  Found Range(+/-) Units      SD/RSD
Hg         -.060     .200     ppb        .000  %                            =

*** Sample ID: 00761097   092811hg   Seq:  115     16:50:12 28 Sep 11   HG
                          MB 510-87264/9-A
Hg   -.053    ppb        .000  %  -.053                                      =
===============================================================================
```

checking standards.

rerun out of range

a 9-29-11

Line	Conc.	Units	SD/RSD	1	2	3	4	5
*** Sample ID: 00761098		092811hg	Seq: 116	16:52:29 28 Sep 11	HG			
			LCS 510-87264/10-A					
Hg	8.50	ppb	.000 %	8.50				
*** Sample ID: 00761099		092811hg	Seq: 117	16:55:14 28 Sep 11	HG			
			510-70377-J-21-B					
Hg	.052	ppb	.000 %	.052				
*** Sample ID: 00761100		092811hg	Seq: 118	16:57:24 28 Sep 11	HG			
			510-70377-J-22-B					
Hg	.039	ppb	.000 %	.039				
*** Sample ID: 00761101		092811hg	Seq: 119	16:59:40 28 Sep 11	HG			
			510-70377-J-23-B					
Hg	-.041	ppb	.000 %	-.041				
*** Sample ID: 00761102		092811hg	Seq: 120	17:01:46 28 Sep 11	HG			
			510-70377-J-24-B					
Hg	-.005	ppb	.000 %	-.005				
*** Sample ID: 00761103		092811hg	Seq: 121	17:03:53 28 Sep 11	HG			
			510-70377-J-25-B					
Hg	.317	ppb	.000 %	.317				
*** Sample ID: 00761104		092811hg	Seq: 122	17:06:10 28 Sep 11	HG			
			510-70377-J-26-B					
Hg	-.010	ppb	.000 %	-.010				
*** Sample ID: 00761105		092811hg	Seq: 123	17:08:17 28 Sep 11	HG			
			510-70377-J-27-B					
Hg	.736	ppb	.000 %	.736				
*** Sample ID: 00761106		092811hg	Seq: 124	17:10:27 28 Sep 11	HG			
			510-70377-J-28-B					
Hg	.087	ppb	.000 %	.087				
*** Check Standard: 2 Ck2 CCV			Seq: 125	17:12:35 28 Sep 11	HG			
Line	Flag	%Rcv.	Found	True	Units	SD/RSD		
Hg		104.	5.20	5.00	ppb	.000 %		
*** Check Standard: 1 Ck1 CCB			Seq: 126	17:14:42 28 Sep 11	HG			
Line	Flag	Found	Range(+/-)	Units	SD/RSD			
Hg		-.075	.200	ppb	.000 %			
*** Sample ID: 00761107		092811hg	Seq: 127	17:17:09 28 Sep 11	HG			
			510-70377-J-29-B					
Hg	-.025	ppb	.000 %	-.025				

```
Line   Conc.  Units     SD/RSD      1        2        3        4        5
-------------------------------------------------------------------------------

*** Sample ID: 00761108   092811hg   Seq:  128    17:19:18 28 Sep 11   HG
                          510-70377-J-30-B
Hg   -.020    ppb       .000  %  -.020
                                                                              =
================================================================================
*** Sample ID: 00761109   092811hg   Seq:  129    17:21:24 28 Sep 11   HG
                          510-70377-J-31-B
Hg    .387    ppb       .000  %   .387
                                                                              =
================================================================================
*** Sample ID: 00761110   092811hg   Seq:  130    17:23:42 28 Sep 11   HG
                          510-70377-J-32-B
Hg    .015    ppb       .000  %   .015
                                                                              =
================================================================================
*** Sample ID: 00761111   092811hg   Seq:  131    17:25:48 28 Sep 11   HG
                          510-70377-F-33-B
Hg    .237    ppb       .000  %   .237
                                                                              =
================================================================================
*** Sample ID: 00761112   092811hg   Seq:  132    17:27:55 28 Sep 11   HG
                          510-70377-J-34-D
Hg    .106    ppb       .000  %   .106
                                                                              =
================================================================================
*** Sample ID: 00761113   092811hg   Seq:  133    17:30:02 28 Sep 11   HG
                          510-70377-J-34-E MS
Hg    5.60    ppb       .000  %   5.60
                                                                              =
================================================================================
*** Sample ID: 00761114   092811hg   Seq:  134    17:32:13 28 Sep 11   HG
                          510-70377-J-34-F MSD
Hg    5.48    ppb       .000  %   5.48
                                                                              =
================================================================================
*** Sample ID: 00761115   092811hg   Seq:  135    17:34:23 28 Sep 11   HG
                          510-70377-J-35-B
Hg   -.015    ppb       .000  %  -.015
                                                                              =
================================================================================
*** Sample ID: 00761116   092811hg   Seq:  136    17:36:31 28 Sep 11   HG
                          510-70377-J-36-B
Hg    .484    ppb       .000  %   .484
                                                                              =
*** Check Standard: 2  Ck2 CCV      Seq:  137    17:38:50 28 Sep 11   HG
Line  Flag  %Rcv.   Found    True  Units      SD/RSD
Hg          103.     5.13    5.00   ppb        .000  %
                                                                              =
*** Check Standard: 1  Ck1 CCB      Seq:  138    17:41:08 28 Sep 11   HG
Line  Flag  Found Range(+/-) Units      SD/RSD
Hg         -.037     .200     ppb        .000  %
                                                                              =
*** Sample ID: 00761117   092811hg   Seq:  139    17:43:18 28 Sep 11   HG
                          510-70377-J-37-B
Hg    .314    ppb       .000  %   .314
                                                                              =
================================================================================
```

Line	Conc.	Units	SD/RSD	1	2	3	4	5

*** Sample ID: 00761118 092811hg Seq: 140 17:45:27 28 Sep 11 HG
510-70377-J-38-B

Hg	.111	ppb	.000	%	.111				

*** Sample ID: 00761119 092811hg Seq: 141 17:47:36 28 Sep 11 HG
510-70377-J-39-B

Hg	.047	ppb	.000	%	.047				

*** Sample ID: 00761120 092811hg Seq: 142 17:49:44 28 Sep 11 HG
510-70377-J-40-B

Hg	3.81	ppb	.000	%	3.81				

*** Sample ID: 00761202 092811hg Seq: 143 17:51:52 28 Sep 11 HG
MB 510-87274/1-A

Hg	-.050	ppb	.000	%	-.050				

*** Sample ID: 00761203 092811hg Seq: 144 17:53:58 28 Sep 11 HG
LCS 510-87274/2-A

Hg	8.28	ppb	.000	%	8.28				

*** Sample ID: 00761204 092811hg Seq: 145 17:56:05 28 Sep 11 HG
510-70377-J-41-A

Hg	.014	ppb	.000	%	.014				

*** Sample ID: 00761205 092811hg Seq: 146 17:58:24 28 Sep 11 HG
510-70377-J-42-A

Hg	1.29	ppb	.000	%	1.29				

*** Sample ID: 00761206 092811hg Seq: 147 18:00:33 28 Sep 11 HG
510-70377-J-43-A

Hg	.182	ppb	.000	%	.182				

*** Sample ID: 00761207 092811hg Seq: 148 18:02:43 28 Sep 11 HG
510-70377-J-44-A

Hg	.174	ppb	.000	%	.174				

*** Check Standard: 2 Ck2 CCV Seq: 149 18:05:13 28 Sep 11 HG

Line	Flag	%Rcv.	Found	True	Units	SD/RSD
Hg		104.	5.18	5.00	ppb	.000 %

*** Check Standard: 1 Ck1 CCB Seq: 150 18:07:19 28 Sep 11 HG

Line	Flag	Found	Range(+/-)	Units	SD/RSD
Hg		-.050	.200	ppb	.000 %

*** Sample ID: 00761208 092811hg Seq: 151 18:10:11 28 Sep 11 HG
510-70377-J-45-A

Hg	.005	ppb	.000	%	.005				

Line	Conc.	Units	SD/RSD	1	2	3	4	5

*** Sample ID: 00761209 092811hg Seq: 152 18:12:30 28 Sep 11 HG
510-70377-J-46-A

Hg	.151	ppb	.000	%	.151				

*** Sample ID: 00761210 092811hg Seq: 153 18:14:39 28 Sep 11 HG
510-70377-J-47-A

Hg	.054	ppb	.000	%	.054				

*** Sample ID: 00761211 092811hg Seq: 154 18:16:46 28 Sep 11 HG
510-70377-J-48-A

Hg	.686	ppb	.000	%	.686				

*** Sample ID: 00761212 092811hg Seq: 155 18:18:53 28 Sep 11 HG
510-70377-J-49-A

Hg	.071	ppb	.000	%	.071				

*** Sample ID: 00761213 092811hg Seq: 156 18:21:00 28 Sep 11 HG
510-70377-J-50-A

Hg	.147	ppb	.000	%	.147				

*** Sample ID: 00761214 092811hg Seq: 157 18:23:09 28 Sep 11 HG
510-70377-J-51-A

Hg	.268	ppb	.000	%	.268				

*** Sample ID: 00761215 092811hg Seq: 158 18:25:21 28 Sep 11 HG
510-70378-F-1-A

Hg	.371	ppb	.000	%	.371				

*** Sample ID: 00761216 092811hg Seq: 159 18:27:40 28 Sep 11 HG
510-70378-F-2-A

Hg	.367	ppb	.000	%	.367				

*** Sample ID: 00761217 092811hg Seq: 160 18:29:47 28 Sep 11 HG
510-70413-J-1-A

Hg	2.16	ppb	.000	%	2.16				

*** Check Standard: 2 Ck2 CCV Seq: 161 18:31:56 28 Sep 11 HG

Line	Flag	%Rcv.	Found	True	Units	SD/RSD
Hg		101.	5.04	5.00	ppb	.000 %

*** Check Standard: 1 Ck1 CCB Seq: 162 18:34:06 28 Sep 11 HG

Line	Flag	Found	Range(+/-)	Units	SD/RSD
Hg		-.048	.200	ppb	.000 %

*** Sample ID: 00761218 092811hg Seq: 163 18:36:14 28 Sep 11 HG
510-70413-J-2-A

Hg	.138	ppb	.000	%	.138				

```
Line   Conc.  Units     SD/RSD      1       2       3       4       5
-------------------------------------------------------------------------------

*** Sample ID: 00761219   092811hg   Seq:  164    18:38:42 28 Sep 11   HG
                          510-70413-J-3-A
Hg    1.35    ppb       .000  %   1.35
                                                                              =
================================================================================
*** Sample ID: 00761220   092811hg   Seq:  165    18:41:01 28 Sep 11   HG
                          510-70413-J-4-A
Hg    .031    ppb       .000  %   .031
                                                                              =
================================================================================
*** Sample ID: 00761221   092811hg   Seq:  166    18:43:20 28 Sep 11   HG
                          510-70413-J-4-B MS
Hg    4.80    ppb       .000  %   4.80
                                                                              =
================================================================================
*** Sample ID: 00761222   092811hg   Seq:  167    18:45:29 28 Sep 11   HG
                          510-70413-J-4-C MSD
Hg    4.99    ppb       .000  %   4.99
                                                                              =
================================================================================
*** Sample ID: 00761223   092811hg   Seq:  168    18:48:06 28 Sep 11   HG
                          510-70413-J-5-A
Hg    5.53    ppb       .000  %   5.53
                                                                              =
================================================================================
*** Sample ID: 00761224   092811hg   Seq:  169    18:50:24 28 Sep 11   HG
                          510-70413-J-6-A
Hg    6.26    ppb       .000  %   6.26
                                                                              =
================================================================================
*** Sample ID: 00761225   092811hg   Seq:  170    18:52:32 28 Sep 11   HG
                          510-70413-J-7-A
Hg    .042    ppb       .000  %   .042
                                                                              =
*** Check Standard: 2  Ck2 CCV      Seq:  171     18:54:40 28 Sep 11   HG
Line  Flag  %Rcv.   Found    True  Units      SD/RSD
Hg          100.     5.02    5.00   ppb        .000  %
                                                                              =
*** Check Standard: 1  Ck1 CCB      Seq:  172     18:56:49 28 Sep 11   HG
Line  Flag  Found Range(+/-) Units      SD/RSD
Hg         -.058     .200     ppb        .000  %
                                                                              =
```

Analysis Report Summary 09/30/11 03:36:57 PM page 1

#	Sample Name	File	Method	Date	Time	OpID	Type	Mode
1	S0	P50930A	P50930A	09/30/11	09:32		X	IR
2	S1A	P50930A	P50930A	09/30/11	09:39		X	IR
3	S1B	P50930A	P50930A	09/30/11	09:45		X	IR
4	S1	P50930A	P50930A	09/30/11	09:51		X	IR
5	S2	P50930A	P50930A	09/30/11	09:57		X	IR
6	S2A	P50930A	P50930A	09/30/11	10:02		X	IR
7	S2B	P50930A	P50930A	09/30/11	10:08		X	IR
8	S1	P50930A	P50930A	09/30/11	10:15	TDS	Q	CONC
9	S2	P50930A	P50930A	09/30/11	10:23	TDS	Q	CONC
10	ICV	P50930A	P50930A	09/30/11	10:32	TDS	Q	CONC
11	ICB	P50930A	P50930A	09/30/11	10:40	TDS	Q	CONC
12	CRI	P50930A	P50930A	09/30/11	10:47	TDS	Q	CONC
13	ICSA	P50930A	P50930A	09/30/11	10:53	TDS	Q	CONC
14	ICSAB	P50930A	P50930A	09/30/11	10:59	TDS	Q	CONC
15	CCV	P50930A	P50930A	09/30/11	11:08	TDS	Q	CONC
16	CCB	P50930A	P50930A	09/30/11	11:14	TDS	Q	CONC
17	MRL	P50930A	P50930A	09/30/11	11:21	TDS	S	CONC
18	MB 500-127081/1-A	P50930A	P50930A	09/30/11	11:27	TDS	S	CONC
19	LCS 500-127081/2-A	P50930A	P50930A	09/30/11	11:34	TDS	S	CONC
20	510-70452-G-1-A	P50930A	P50930A	09/30/11	11:40	TDS	S	CONC
21	510-70452-G-2-A	P50930A	P50930A	09/30/11	11:46	TDS	S	CONC
22	510-70452-G-3-A	P50930A	P50930A	09/30/11	11:53	TDS	S	CONC
23	510-70452-G-4-A	P50930A	P50930A	09/30/11	11:59	TDS	S	CONC
24	510-70452-G-5-A	P50930A	P50930A	09/30/11	12:06	TDS	S	CONC
25	510-70452-G-6-A	P50930A	P50930A	09/30/11	12:12	TDS	S	CONC
26	510-70452-G-7-A	P50930A	P50930A	09/30/11	12:18	TDS	S	CONC
27	CCV	P50930A	P50930A	09/30/11	12:27	TDS	Q	CONC
28	CCB	P50930A	P50930A	09/30/11	12:34	TDS	Q	CONC
~~29~~	~~510-70452-G-8-A~~	~~P50930A~~	~~P50930A~~	~~09/30/11~~	~~12:40~~	~~TDS~~	~~S~~	~~CONC~~
30	510-70452-G-9-A	P50930A	P50930A	09/30/11	12:46	TDS	S	CONC
31	510-70542-G-9-ASD@5	P50930A	P50930A	09/30/11	12:53	TDS	S	CONC
32	510-70452-G-9-B DU	P50930A	P50930A	09/30/11	12:59	TDS	S	CONC
33	510-70452-G-9-C MS	P50930A	P50930A	09/30/11	13:06	TDS	S	CONC
34	510-70452-G-9-D MSD	P50930A	P50930A	09/30/11	13:12	TDS	S	CONC
35	510-70452-G-9-A PDS	P50930A	P50930A	09/30/11	13:18	TDS	S	CONC
36	510-70452-G-10-A	P50930A	P50930A	09/30/11	13:25	TDS	S	CONC
37	510-70452-G-11-A	P50930A	P50930A	09/30/11	13:31	TDS	S	CONC
38	510-70452-G-12-A	P50930A	P50930A	09/30/11	13:38	TDS	S	CONC
39	CCV	P50930A	P50930A	09/30/11	13:46	TDS	Q	CONC
40	CCB	P50930A	P50930A	09/30/11	13:52	TDS	Q	CONC
41	510-70452-G-13-A	P50930A	P50930A	09/30/11	13:58	TDS	S	CONC
42	510-70452-G-14-A	P50930A	P50930A	09/30/11	14:05	TDS	S	CONC
43	510-70452-G-15-A	P50930A	P50930A	09/30/11	14:11	TDS	S	CONC
44	510-70452-G-16-A	P50930A	P50930A	09/30/11	14:17	TDS	S	CONC
45	510-70452-G-17-A	P50930A	P50930A	09/30/11	14:23	TDS	S	CONC
46	510-70378-E-1-A	P50930A	P50930A	09/30/11	14:29	TDS	S	CONC
47	510-70378-E-2-A	P50930A	P50930A	09/30/11	14:36	TDS	S	CONC
48	500-39833-A-1-A	P50930A	P50930A	09/30/11	14:42	TDS	S	CONC
49	CCV	P50930A	P50930A	09/30/11	14:50	TDS	Q	CONC
50	CCB	P50930A	P50930A	09/30/11	14:57	TDS	Q	CONC
51	CRI	P50930A	P50930A	09/30/11	15:03	TDS	Q	CONC
52	ICSA	P50930A	P50930A	09/30/11	15:09	TDS	Q	CONC
53	ICSAB	P50930A	P50930A	09/30/11	15:15	TDS	Q	CONC

127284

* RCRA Cu Sb Ni T

#	Sample Name	File	Method	Date	Time	OpID	Type	Mode
54	CCV	P50930A	P50930A	09/30/11	15:24	TDS	Q	CONC
55	CCB	P50930A	P50930A	09/30/11	15:30	TDS	Q	CONC

127294
1

#	Sample Name	*Y
1	S0	123966
2	S1A	124058
3	S1B	124258
4	S1	124082
5	S2	122752
6	S2A	123159
7	S2B	123085
8	S1	124780
9	S2	121599
10	ICV	124002
11	ICB	125984
12	CRI	125426
13	ICSA	113528
14	ICSAB	113518
15	CCV	123942
16	CCB	125909
17	MRL	126164
18	MB 500-127081/1-A	125926
19	LCS 500-127081/2-A	125690
20	510-70452-G-1-A	129052
21	510-70452-G-2-A	128142
22	510-70452-G-3-A	121762
23	510-70452-G-4-A	124692
24	510-70452-G-5-A	124598
25	510-70452-G-6-A	124323
26	510-70452-G-7-A	128769
27	CCV	124543
28	CCB	126636
29	510-70452-G-8-A	129745
30	510-70452-G-9-A	121124
31	510-70542-G-9-ASD@5	124631
32	510-70452-G-9-B DU	120908
33	510-70452-G-9-C MS	120928
34	510-70452-G-9-D MSD	122258
35	510-70452-G-9-A PDS	121180
36	510-70452-G-10-A	124176
37	510-70452-G-11-A	125242
38	510-70452-G-12-A	129277
39	CCV	125587
40	CCB	126990
41	510-70452-G-13-A	128516
42	510-70452-G-14-A	124788
43	510-70452-G-15-A	124662
44	510-70452-G-16-A	132442
45	510-70452-G-17-A	130679
46	510-70378-E-1-A	130992
47	510-70378-E-2-A	127252
48	500-39833-A-1-A	127978
49	CCV	126810
50	CCB	128246
51	CRI	127669
52	ICSA	115604
53	ICSAB	114833

#	Sample Name	*Y
54	CCV	124723
55	CCB	127368

Method: P50930A Standard: S0
Run Time: 09/30/11 09:32:47

Elem	Ag3280	Al3082	As1890	B_2496	Ba4934	Be3130	Ca3179
Avge	-.00009	.00622	-.00067	.00599	.00023	.00147	.00159
SDev	.00002	.00004	.00015	.00026	.00001	.00000	.00008
%RSD	18.123	.58802	21.829	4.4239	2.1520	.05834	4.9831
#1	-.00008	.00619	-.00057	.00618	.00023	.00147	.00165
#2	-.00010	.00625	-.00077	.00580	.00023	.00147	.00154

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664	Mg2790
Avge	-.00116	-.00016	.00001	.00336	-.00020	.00464	-.00002
SDev	.00062	.00005	.00006	.00003	.00054	.00071	.00001
%RSD	53.734	32.324	514.48	1.0090	275.10	15.218	47.433
#1	-.00072	-.00012	.00006	.00338	.00019	.00513	-.00003
#2	-.00160	-.00019	-.00003	.00333	-.00058	.00414	-.00002

Elem	Mn2576	Mo2020	Na5889	Ni2316	2203/1	2203/2	Sb2068
Avge	.00017	-.00097	.10928	-.00044	.00247	-.00009	-.00038
SDev	.00003	.00001	.00075	.00050	.00028	.00003	.00048
%RSD	20.525	.91593	.68929	113.02	11.227	31.057	126.47
#1	.00019	-.00098	.10981	-.00009	.00227	-.00011	-.00004
#2	.00014	-.00097	.10874	-.00080	.00266	-.00007	-.00072

Elem	1960/1	1960/2	Sn1899	Sr4215	Ti3349	Tl1908	V_2924
Avge	-.00621	.00321	.00068	.00019	-.00009	-.00182	-.00004
SDev	.00029	.00076	.00021	.00005	.00007	.00053	.00005
%RSD	4.7253	23.695	31.275	24.914	76.907	29.096	141.42
#1	-.00600	.00267	.00083	.00022	.00004	.00145	.00000
#2	-.00641	.00374	.00053	.00015	-.00014	-.00220	-.00007

Elem	Zn2062	Si2881
Avge	.00016	.00955
SDev	.00002	.00007
%RSD	13.816	.68659
#1	.00015	.00950
#2	.00018	.00959

IntStd	1	2	3	4	5	6	7
Mode	*Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	123966	--	--	--	--	--	--
SDev	408.0006	--	--	--	--	--	--
%RSD	.3291217	--	--	--	--	--	--
#1	123678	--	--	--	--	--	--
#2	124255	--	--	--	--	--	--

Method: P50930A Standard: S1A
Run Time: 09/30/11 09:39:01

Elem	Ag3280	As1890	B_2496	Ba4934	Be3130	Cd2265	Co2286
Avge	.19103	.13060	.22551	.60271	.54065	1.9429	.17693
SDev	.00056	.00133	.00044	.00125	.00027	.0001	.00002
%RSD	.29412	1.0170	.19398	.20753	.04928	.00271	.00877
#1	.19063	.12966	.22520	.60183	.54047	1.9430	.17694
#2	.19143	.13154	.22582	.60359	.54084	1.9429	.17692

Elem	Cr2677	Cu3247	Mo2020	Ni2316	2203/1	2203/2	Sb2068
Avge	.12607	.18268	.49389	.79855	.59047	.13906	.19981
SDev	.00007	.00055	.00019	.00109	.00222	.00024	.00029
%RSD	.05607	.30204	.03873	.13667	.37616	.17130	.14440
#1	.12612	.18229	.49402	.79778	.59204	.13889	.20001
#2	.12602	.18307	.49375	.79933	.58889	.13923	.19960

Elem	1960/1	1960/2	Sn1899	Sr4215	Ti3349	Tl1908	Zn2062
Avge	.44070	.33185	.20758	1.1991	.86103	.08981	.08895
SDev	.00048	.00178	.00003	.0020	.00072	.00050	.00006
%RSD	.10923	.53679	.01621	.16558	.08355	.55382	.06931
#1	.44104	.33059	.20761	1.1977	.86052	.08946	.08899
#2	.44036	.33311	.20756	1.2005	.86154	.09016	.08890

Elem	Si2881
Avge	.04870
SDev	.00021
%RSD	.43868
#1	.04855
#2	.04885

IntStd	1	2	3	4	5	6	7
Mode	*Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	124058	--	--	--	--	--	--
SDev	65.05383	--	--	--	--	--	--
%RSD	.0524382	--	--	--	--	--	--
#1	124104	--	--	--	--	--	--
#2	124012	--	--	--	--	--	--

Method: P50930A Standard: S1B
Run Time: 09/30/11 09:45:14

Elem	Ag3280	Al3082	As1890	B_2496	Ba4934	Be3130	Cd2265
Avge	.24137	.17914	.16582	.28319	.76427	.67649	2.4564
SDev	.00044	.00081	.00010	.00047	.00026	.00136	.0058
%RSD	.18403	.45225	.05841	.16525	.03383	.20047	.23601
#1	.24106	.17857	.16575	.28286	.76409	.67553	2.4523
#2	.24168	.17971	.16589	.28352	.76445	.67745	2.4605

Elem	Co2286	Cr2677	Cu3247	Fe2714	Mg2790	Mo2020	Ni2316
Avge	.22291	.15889	.22952	.16773	.13194	.62131	1.0076
SDev	.00110	.00051	.00020	.00161	.00030	.00330	.0044
%RSD	.49473	.32249	.08529	.95751	.22425	.53100	.43418
#1	.22213	.15853	.22938	.16660	.13173	.61897	1.0045
#2	.22369	.15926	.22965	.16887	.13215	.62364	1.0107

Elem	2203/1	2203/2	Sb2068	1960/1	1960/2	Sn1899	Sr4215
Avge	.74436	.17541	.25175	.55821	.41655	.26051	1.5150
SDev	.00331	.00153	.00159	.00155	.00263	.00052	.0012
%RSD	.44456	.86968	.63070	.27735	.63097	.19902	.08238
#1	.74202	.17433	.25063	.55712	.41469	.26015	1.5142
#2	.74670	.17648	.25287	.55931	.41840	.26088	1.5159

Elem	Ti3349	Tl1908	Zn2062	Si2881
Avge	1.0808	.11547	.11126	.05869
SDev	.0013	.00019	.00046	.00045
%RSD	.12379	.16765	.41006	.77191
#1	1.0799	.11533	.11094	.05837
#2	1.0818	.11560	.11158	.05901

IntStd	1	2	3	4	5	6	7
Mode	*Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	124258	--	--	--	--	--	--
SDev	814.5870	--	--	--	--	--	--
%RSD	.6555610	--	--	--	--	--	--
#1	124834	--	--	--	--	--	--
#2	123682	--	--	--	--	--	--

Method: P50930A Standard: S1
Run Time: 09/30/11 09:51:27

Elem	Ag3280	Al3082	As1890	B_2496	Ba4934	Be3130	Cd2265
Avge	.48020	.35219	.33163	.55654	1.5242	1.3379	4.8809
SDev	.00015	.00033	.00102	.00072	.0020	.0008	.0021
%RSD	.03165	.09488	.30661	.12860	.12972	.06189	.04296
#1	.48031	.35196	.33234	.55704	1.5256	1.3385	4.8824
#2	.48009	.35243	.33091	.55603	1.5228	1.3373	4.8794

Elem	Co2286	Cr2677	Cu3247	Fe2714	Mg2790	Mo2020	Ni2316
Avge	.44186	.31520	.45387	.33169	.26200	1.2325	2.0013
SDev	.00061	.00010	.00011	.00037	.00013	.0001	.0010
%RSD	.13824	.03267	.02374	.11093	.05104	.01029	.04903
#1	.44229	.31527	.45395	.33143	.26209	1.2326	2.0020
#2	.44142	.31513	.45379	.33195	.26190	1.2325	2.0006

Elem	2203/1	2203/2	Sb2068	1960/1	1960/2	Sn1899	Sr4215
Avge	1.4816	.34841	.50165	1.1233	.82710	.51608	3.0070
SDev	.0040	.00130	.00034	.0010	.00617	.00130	.0030
%RSD	.26727	.37322	.06786	.09215	.74601	.25266	.10139
#1	1.4844	.34749	.50189	1.1241	.82273	.51700	3.0091
#2	1.4788	.34933	.50141	1.1226	.83146	.51515	3.0048

Elem	Ti3349	Tl1908	Zn2062	Si2881
Avge	2.1518	.23211	.21938	.10774
SDev	.0013	.00195	.00019	.00011
%RSD	.05872	.83921	.08476	.10364
#1	2.1527	.23073	.21925	.10766
#2	2.1509	.23349	.21951	.10782

IntStd	1	2	3	4	5	6	7
Mode	*Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	124082	--	--	--	--	--	--
SDev	101.1163	--	--	--	--	--	--
%RSD	.0814918	--	--	--	--	--	--
#1	124010	--	--	--	--	--	--
#2	124153	--	--	--	--	--	--

Method: P50930A Standard: S2
Run Time: 09/30/11 09:57:40

Elem	Al3082	Ca3179	Fe2714	K_7664	Mg2790	Mn2576	Na5889
Avge	3.4934	3.2531	1.6094	8.0514	1.6219	7.6652	49.063
SDev	.0595	.0733	.0360	.1069	.0358	.1684	.728
%RSD	1.7034	2.2547	2.2379	1.3282	2.2047	2.1976	1.4837
#1	3.4514	3.2013	1.5839	7.9758	1.5966	7.5460	48.548
#2	3.5355	3.3050	1.6348	8.1271	1.6472	7.7843	49.578

Elem	V_2924
Avge	1.5544
SDev	.0335
%RSD	2.1529
#1	1.5308
#2	1.5781

IntStd	1	2	3	4	5	6	7
Mode	*Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	122752	--	--	--	--	--	--
SDev	2213.244	--	--	--	--	--	--
%RSD	1.803021	--	--	--	--	--	--
#1	124317	--	--	--	--	--	--
#2	121187	--	--	--	--	--	--

Method: P50930A Standard: S2A
Run Time: 09/30/11 10:02:52

Elem	Mn2576	Na5889	V_2924
Avge	3.1575	19.839	.62607
SDev	.0059	.030	.00130
%RSD	.18570	.15139	.20763
#1	3.1616	19.861	.62699
#2	3.1534	19.818	.62515

IntStd	1	2	3	4	5	6	7
Mode	*Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	123159	--	--	--	--	--	--
SDev	108.8945	--	--	--	--	--	--
%RSD	.0884178	--	--	--	--	--	--
#1	123082	--	--	--	--	--	--
#2	123236	--	--	--	--	--	--

Method: P50930A Standard: S2B
Run Time: 09/30/11 10:08:03

Elem	Mn2576	Na5889	V_2924
Avge	4.0324	25.528	.80433
SDev	.0022	.195	.00044
%RSD	.05573	.76473	.05531
#1	4.0309	25.666	.80464
#2	4.0340	25.390	.80401

IntStd	1	2	3	4	5	6	7
Mode	*Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	123085	--	--	--	--	--	--
SDev	417.1930	--	--	--	--	--	--
%RSD	.3389471	--	--	--	--	--	--
#1	123380	--	--	--	--	--	--
#2	122790	--	--	--	--	--	--

Method: P50930A Slope = Conc(SIR)/IR

Element	Wavelen	High std	Low std	Slope	Y-intercept	Date Standardized
Ag3280	328.068	Multiple	Standards	2.08184	.000197	09/30/11 09:51:27
Al3082	308.215	Multiple	Standards	28.8212	-.179064	09/30/11 09:57:40
As1890	189.042	Multiple	Standards	3.01772	.002033	09/30/11 09:51:27
B_2496	249.678	Multiple	Standards	1.81570	-.010874	09/30/11 09:51:27
Ba4934	493.409	Multiple	Standards	.658166	-.000140	09/30/11 09:51:27
Be3130	313.042	Multiple	Standards	.742016	-.001104	09/30/11 09:51:27
Ca3179	317.933	S2	S0	.761235	.001368	09/30/11 10:08:03
Cd2265	226.502	Multiple	Standards	.204802	.000239	09/30/11 09:51:27
Co2286	228.616	Multiple	Standards	2.25687	.000351	09/30/11 09:51:27
Cr2677	267.716	Multiple	Standards	3.16426	-.000041	09/30/11 09:51:27
Cu3247	324.753	Multiple	Standards	2.22048	-.007447	09/30/11 09:51:27
Fe2714	271.441	Multiple	Standards	30.4561	.005136	09/30/11 09:57:40
K_7664	766.491	S2	S0	1.02859	-.004065	09/30/11 10:08:03
Mg2790	279.078	Multiple	Standards	30.5009	.000427	09/30/11 09:57:40
Mn2576	257.610	Multiple	Standards	1.26980	-.000657	09/30/11 10:08:03
Mo2020	202.030	Multiple	Standards	.806025	.000781	09/30/11 09:51:27
Na5889	588.995	Multiple	Standards	1.00595	-.110830	09/30/11 10:08:03
Ni2316	231.604	Multiple	Standards	.498594	.000221	09/30/11 09:51:27
2203/1	220.351	Multiple	Standards	.679486	-.001677	09/30/11 09:51:27
2203/2	220.352	Multiple	Standards	2.85582	.000267	09/30/11 09:51:27
Sb2068	206.838	Multiple	Standards	2.00160	.000767	09/30/11 09:51:27
1960/1	196.021	Multiple	Standards	.888873	.005529	09/30/11 09:51:27
1960/2	196.022	Multiple	Standards	1.20902	-.003869	09/30/11 09:51:27
Pb2203	220.353	NONE	NONE	1.00000	.000000	*NOT STANDARDIZED
Se1960	196.023	NONE	NONE	1.00000	.000000	*NOT STANDARDIZED
Sn1899	189.989	Multiple	Standards	1.92695	-.001319	09/30/11 09:51:27
Sr4215	421.552	Multiple	Standards	.332089	-.000060	09/30/11 09:51:27
Ti3349	334.941	Multiple	Standards	.464017	.000039	09/30/11 09:51:27
Tl1908	190.864	Multiple	Standards	4.29944	.007857	09/30/11 09:51:27
V_2924	292.402	Multiple	Standards	6.34469	.000066	09/30/11 10:08:03
Zn2062	206.200	Multiple	Standards	4.52358	-.000747	09/30/11 09:51:27
Si2881	288.158	Multiple	Standards	10.2585	-.097933	09/30/11 09:51:27

Method: P50930A

Element	Wavelength	Standard	Known Concentration	Measured Concentration	Residual Concentration
Ag3280	328.068	S0	.000000	.000004	-.000004
		S1A	.400000	.397887	.002113
		S1B	.500000	.502692	-.002692
		S1	1.00000	.999899	.000101
CorCoef:	0.99999				

Element	Wavelength	Standard	Known Concentration	Measured Concentration	Residual Concentration
Al3082	308.215	S0	.000000	.000186	-.000186
		S1B	5.00000	4.98391	.016086
		S1	10.0000	9.97154	.028463
		S2	100.000	100.506	-.506447
CorCoef:	1.00000				

Element	Wavelength	Standard	Known Concentration	Measured Concentration	Residual Concentration
As1890	189.042	S0	.000000	.000013	-.000013
		S1A	.400000	.396136	.003864
		S1B	.500000	.502420	-.002420
		S1	1.00000	1.00278	-.002784
CorCoef:	0.99998				

Element	Wavelength	Standard	Known Concentration	Measured Concentration	Residual Concentration
B_2496	249.678	S0	.000000	.000002	-.000002
		S1A	.400000	.398580	.001420
		S1B	.500000	.503308	-.003308
		S1	1.00000	.999632	.000368
CorCoef:	0.99999				

Element	Wavelength	Standard	Known Concentration	Measured Concentration	Residual Concentration
Ba4934	493.409	S0	.000000	.000012	-.000012
		S1A	.400000	.396544	.003456
		S1B	.500000	.502876	-.002876
		S1	1.00000	1.00303	-.003029
CorCoef:	0.99998				

Element	Wavelength	Standard	Known Concentration	Measured Concentration	Residual Concentration
Be3130	313.042	S0	.000000	-.000012	.000012
		S1A	.400000	.400070	-.000070
		S1B	.500000	.500861	-.000861
		S1	1.00000	.991653	.008347
CorCoef:	0.99998				

Element	Wavelength	Standard	Known Signal	Measured Signal	Residual Signal
Ca3179	317.933	S0	.002581	.001593	.000988
		S2	2.47777	3.25314	-.775367

Element	Wavelength	Standard	Known Concentration	Measured Concentration	Residual Concentration
Cd2265	226.502	S0	.000000	.000002	-.000002
		S1A	.400000	.398158	.001842
		S1B	.500000	.503314	-.003314
		S1	1.00000	.999858	.000142
CorCoef:	0.99999				

Element	Wavelength	Standard	Known Concentration	Measured Concentration	Residual Concentration
Co2286	228.616	S0	.000000	-.000004	.000004
		S1A	.400000	.399658	.000342
		S1B	.500000	.503441	-.003441
		S1	1.00000	.997561	.002439
CorCoef:	0.99999				

Element	Wavelength	Standard	Known Concentration	Measured Concentration	Residual Concentration
Cr2677	267.716	S0	.000000	-.000002	.000002
		S1A	.400000	.398877	.001123
		S1B	.500000	.502737	-.002737
		S1	1.00000	.997333	.002667
CorCoef:	0.99999				

Element	Wavelength	Standard	Known Concentration	Measured Concentration	Residual Concentration
Cu3247	324.753	S0	.000000	.000004	-.000004
		S1A	.400000	.398192	.001808
		S1B	.500000	.502187	-.002187
		S1	1.00000	1.00037	-.000366
CorCoef:	0.99999				

Element	Wavelength	Standard	Known Concentration	Measured Concentration	Residual Concentration
Fe2714	271.441	S0	.000000	-.000856	.000856
		S1B	5.00000	5.11363	-.113629
		S1	10.0000	10.1072	-.107221
		S2	50.0000	49.0205	.979462
CorCoef:	0.99998				

Element	Wavelength	Standard	Known Signal	Measured Signal	Residual Signal
K_7664	766.491	S0	.000703	.004635	-.003933
		S2	8.27758	8.05144	.226134

Element	Wavelength	Standard	Known Concentration	Measured Concentration	Residual Concentration
Mg2790	279.078	S0	.000000	-.000311	.000311
		S1B	4.00000	4.02460	-.024595
		S1	8.00000	7.99157	.008427
		S2	50.0000	49.4695	.530544
CorCoef:	1.00000				

Element	Wavelength	Standard	Known Concentration	Measured Concentration	Residual Concentration
Mn2576	257.610	S0	.000000	-.000442	.000442
		S2A	4.00000	4.00873	-.008728
		S2B	5.00000	5.11973	-.119728
		S2	10.0000	9.73253	.267467
CorCoef:	0.99955				

Element	Wavelength	Standard	Known Concentration	Measured Concentration	Residual Concentration
Mo2020	202.030	S0	.000000	-.000003	.000003
		S1A	.400000	.398865	.001135
		S1B	.500000	.501570	-.001570
		S1	1.00000	.994243	.005757
CorCoef:	0.99999				

Element	Wavelength	Standard	Known Concentration	Measured Concentration	Residual Concentration
Na5889	588.995	S0	.000000	-.000903	.000903
		S2A	20.0000	19.8467	.153326
		S2B	25.0000	25.5696	-.569569
		S2	50.0000	49.2442	.755821
CorCoef:	0.99975				

Element	Wavelength	Standard	Known Concentration	Measured Concentration	Residual Concentration
Ni2316	231.604	S0	.000000	.000000	-.000000
		S1A	.400000	.398376	.001624
		S1B	.500000	.502618	-.002618
		S1	1.00000	.998077	.001923
CorCoef:	0.99999				

Element	Wavelength	Standard	Known Concentration	Measured Concentration	Residual Concentration
2203/1	220.351	S0	.000000	-.000000	.000000
		S1A	.400000	.399536	.000464
		S1B	.500000	.504103	-.004103
		S1	1.00000	1.00503	-.005031
CorCoef:	1.00000				

Element	Wavelength	Standard	Known Concentration	Measured Concentration	Residual Concentration
2203/2	220.352	S0	.000000	.000002	-.000002
		S1A	.400000	.397397	.002603
		S1B	.500000	.501195	-.001195
		S1	1.00000	.995257	.004743
CorCoef:	0.99999				

Element	Wavelength	Standard	Known Concentration	Measured Concentration	Residual Concentration
Sb2068	206.838	S0	.000000	.000002	-.000002
		S1A	.400000	.400697	-.000697
		S1B	.500000	.504672	-.004672
		S1	1.00000	1.00486	-.004860
CorCoef:	0.99999				

Element	Wavelength	Standard	Known Concentration	Measured Concentration	Residual Concentration
1960/1	196.021	S0	.000000	.000012	-.000012
		S1A	.400000	.397256	.002744
		S1B	.500000	.501707	-.001707
		S1	1.00000	1.00402	-.004020
CorCoef:	0.99999				

Element	Wavelength	Standard	Known Concentration	Measured Concentration	Residual Concentration
1960/2	196.022	S0	.000000	.000006	-.000006
		S1A	.400000	.397348	.002652
		S1B	.500000	.499742	.000258
		S1	1.00000	.996104	.003896
CorCoef:	0.99999				

Element	Wavelength	Standard	Known Concentration	Measured Concentration	Residual Concentration
Pb2203	220.353	NONE	.000000	.000000	.000000
		NONE	.000000	.000000	.000000

Element	Wavelength	Standard	Known Concentration	Measured Concentration	Residual Concentration
Se1960	196.023	NONE	.000000	.000000	.000000
		NONE	.000000	.000000	.000000

Element	Wavelength	Standard	Known Concentration	Measured Concentration	Residual Concentration
Sn1899	189.989	S0	.000000	-.000005	.000005
		S1A	.400000	.398686	.001314
		S1B	.500000	.500675	-.000675
		S1	1.00000	.993135	.006865
CorCoef:	0.99999				

Element	Wavelength	Standard	Known Concentration	Measured Concentration	Residual Concentration
Sr4215	421.552	S0	.000000	.000001	-.000001
		S1A	.400000	.398137	.001863
		S1B	.500000	.503069	-.003069
		S1	1.00000	.998521	.001479
CorCoef:	0.99999				

Element	Wavelength	Standard	Known Concentration	Measured Concentration	Residual Concentration
Ti3349	334.941	S0	.000000	-.000002	.000002
		S1A	.400000	.399571	.000429
		S1B	.500000	.501562	-.001562
		S1	1.00000	.998520	.001480
CorCoef:	1.00000				

Element	Wavelength	Standard	Known Concentration	Measured Concentration	Residual Concentration
Tl1908	190.864	S0	.000000	.000022	-.000022
		S1A	.400000	.393985	.006015
		S1B	.500000	.504297	-.004297
		S1	1.00000	1.00580	-.005796
CorCoef:	0.99994				

Element	Wavelength	Standard	Known Concentration	Measured Concentration	Residual Concentration
V_2924	292.402	S0	.000000	-.000164	.000164
		S2A	4.00000	3.97228	.027718
		S2B	5.00000	5.10329	-.103288
		S2	10.0000	9.86237	.137627
CorCoef:	0.99979				

Element	Wavelength	Standard	Known Concentration	Measured Concentration	Residual Concentration
Zn2062	206.200	S0	.000000	-.000017	.000017
		S1A	.400000	.401609	-.001609
		S1B	.500000	.502556	-.002556
		S1	1.00000	.991636	.008364
CorCoef:	0.99996				

Element	Wavelength	Standard	Known Concentration	Measured Concentration	Residual Concentration
Si2881	288.158	S0	.000000	.000003	-.000003
		S1B	.500000	.504176	-.004176
		S1	1.00000	1.00731	-.007309
		S1A	.400000	.401644	-.001644
CorCoef:	1.00000				

Method: P50930A Sample Name: S1 Operator: TDS
Run Time: 09/30/11 10:15:30
Comment:
Mode: CONC Corr. Factor: 1

Elem	Ag3280	Al3082	As1890	B_2496	Ba4934	Be3130	Ca3179
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.99684	9.9766	.99943	.99536	1.0025	.99074	4.0656
SDev	.00498	.0681	.00297	.00552	.0073	.00118	.0007
%RSD	.49910	.68236	.29676	.55430	.73001	.11870	.01684
#1	.99332	9.9285	.99733	.99146	.99737	.98991	4.0652
#2	1.0004	10.025	1.0015	.99926	1.0077	.99157	4.0661
Errors	QC Pass	NOCHECK	QC Pass	QC Pass	QC Pass	QC Pass	NOCHECK
Value	1.0000		1.0000	1.0000	1.0000	1.0000	
Range	5.0000		5.0000	5.0000	5.0000	5.0000	

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664	Mg2790
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.99854	.99427	.99413	.99788	10.050	10.374	7.9800
SDev	.00048	.00052	.00086	.00744	.027	.065	.0103
%RSD	.04770	.05207	.08654	.74517	.26490	.63120	.12917
#1	.99888	.99391	.99352	.99263	10.069	10.328	7.9727
#2	.99821	.99464	.99474	1.0031	10.031	10.421	7.9873
Errors	QC Pass	QC Pass	QC Pass	QC Pass	NOCHECK	NOCHECK	NOCHECK
Value	1.0000	1.0000	1.0000	1.0000			
Range	5.0000	5.0000	5.0000	5.0000			

Elem	Mn2576	Mo2020	Na5889	Ni2316	2203/1	2203/2	Sb2068
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.00011	.99405	10.402	.99650	.99784	1.0072	.99469
SDev	.00024	.00008	.090	.00011	.00623	.0042	.00231
%RSD	211.13	.00849	.86605	.01139	.62430	.42132	.23191
#1	.00028	.99399	10.338	.99642	.99343	1.0042	.99306
#2	-.00006	.99411	10.465	.99658	1.0022	1.0102	.99632
Errors	NOCHECK	QC Pass	QC Pass	QC Pass	NOCHECK	NOCHECK	QC Pass
Value		1.0000	10.000	1.0000			1.0000
Range		5.0000	5.0000	5.0000			5.0000

Elem	1960/1	1960/2	Pb2203	Se1960	Sn1899	Sr4215	Ti3349
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	1.0011	.99966	1.0042	1.0002	.99303	.99731	.99611
SDev	.0066	.00072	.0049	.0027	.00021	.00574	.00425
%RSD	.66095	.07183	.48855	.26842	.02100	.57586	.42629
#1	.99644	.99915	1.0007	.99831	.99317	.99325	.99311
#2	1.0058	1.0002	1.0077	1.0021	.99288	1.0014	.99911
Errors	NOCHECK	NOCHECK	NOCHECK	QC Pass	QC Pass	QC Pass	QC Pass
Value				1.0000	1.0000	1.0000	1.0000
Range				5.0000	5.0000	5.0000	5.0000

Elem	Tl1908	V_2924	Zn2062	Si2881

Units	ppm	ppm	ppm	ppm
Avge	1.0063	.00030	.98895	1.0029
SDev	.0032	.00114	.00220	.0053
%RSD	.31303	375.04	.22244	.52984
#1	1.0041	.00111	.99050	.99917
#2	1.0086	-.00050	.98739	1.0067
Errors	QC Pass	NOCHECK	QC Pass	QC Pass
Value	1.0000		1.0000	1.0000
Range	5.0000		5.0000	5.0000

IntStd	1	2	3	4	5	6	7
Mode	*Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	124780	--	--	--	--	--	--
SDev	591.8484	--	--	--	--	--	--
%RSD	.4743116	--	--	--	--	--	--
#1	125199	--	--	--	--	--	--
#2	124362	--	--	--	--	--	--

Method: P50930A Sample Name: S2 Operator: TDS
Run Time: 09/30/11 10:23:59
Comment:
Mode: CONC Corr. Factor: 1

Elem	Ag3280	Al3082	As1890	B_2496	Ba4934	Be3130	Ca3179
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.00192	101.81	-.00103	.00038	.00014	.00006	50.790
SDev	.00007	.43	.00020	.00047	.00007	.00003	.049
%RSD	3.8292	.42679	19.377	121.29	46.758	50.615	.09734
#1	.00187	101.50	-.00117	.00071	.00019	.00008	50.756
#2	.00197	102.11	-.00089	.00005	.00010	.00004	50.825
Errors	NOCHECK	QC Pass	NOCHECK	NOCHECK	NOCHECK	NOCHECK	QC Pass
Value		100.00					50.000
Range		5.0000					5.0000

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664	Mg2790
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.00057	.00138	.00188	.00012	49.782	101.46	50.287
SDev	.00007	.00012	.00021	.00025	.052	.62	.085
%RSD	12.209	8.3450	11.453	205.53	.10360	.61106	.16906
#1	-.00061	.00130	.00173	.00029	49.746	101.02	50.227
#2	-.00052	.00147	.00203	-.00005	49.819	101.90	50.347
Errors	NOCHECK	NOCHECK	NOCHECK	NOCHECK	QC Pass	QC Pass	QC Pass
Value					50.000	100.00	50.000
Range					5.0000	5.0000	5.0000

Elem	Mn2576	Mo2020	Na5889	Ni2316	2203/1	2203/2	Sb2068
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	9.8746	-.00009	49.818	.00121	19.973	20.110	.00307
SDev	.0050	.00001	.243	.00011	.015	.017	.00006
%RSD	.05019	6.5204	.48831	9.3992	.07715	.08412	1.9067
#1	9.8711	-.00010	49.646	.00113	19.984	20.098	.00311
#2	9.8781	-.00009	49.990	.00129	19.963	20.121	.00303
Errors	QC Pass	NOCHECK	QC Pass	NOCHECK	NOCHECK	NOCHECK	NOCHECK
Value	10.000		50.000				
Range	5.0000		5.0000				

Elem	1960/1	1960/2	Pb2203	Se1960	Sn1899	Sr4215	Ti3349
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.00348	-.00147	20.064	.00024	-.00281	.00218	.00028
SDev	.00083	.00078	.006	.00025	.00014	.00002	.00018
%RSD	23.820	53.263	.03060	100.64	5.0790	.90585	65.783
#1	.00407	-.00203	20.060	.00007	-.00291	.00219	.00040
#2	.00289	-.00092	20.069	.00042	-.00270	.00216	.00015
Errors	NOCHECK	NOCHECK	QC Pass	NOCHECK	NOCHECK	NOCHECK	NOCHECK
Value			20.000				
Range			5.0000				

Elem	Tl1908	V_2924	Zn2062	Si2881

Units	ppm	ppm	ppm	ppm
Avge	.00553	10.011	.00216	.00117
SDev	.00514	.007	.00001	.00102
%RSD	93.031	.06984	.38006	87.722
#1	.00917	10.006	.00216	.00189
#2	.00189	10.016	.00215	.00044
Errors	NOCHECK	QC Pass	NOCHECK	NOCHECK
Value		10.000		
Range		5.0000		

IntStd	1	2	3	4	5	6	7
Mode	*Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	121599	--	--	--	--	--	--
SDev	231.9310	--	--	--	--	--	--
%RSD	.1907343	--	--	--	--	--	--
#1	121435	--	--	--	--	--	--
#2	121763	--	--	--	--	--	--

Method: P50930A Sample Name: ICV Operator: TDS
Run Time: 09/30/11 10:32:27
Comment:
Mode: CONC Corr. Factor: 1

Elem	Ag3280	Al3082	As1890	B_2496	Ba4934	Be3130	Ca3179
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.40151	39.655	.41045	.40147	.40407	.39885	20.754
SDev	.00004	.014	.00222	.00013	.00011	.00079	.040
%RSD	.01002	.03500	.54169	.03270	.02828	.19753	.19301
#1	.40148	39.665	.40888	.40156	.40399	.39941	20.782
#2	.40154	39.645	.41202	.40138	.40415	.39830	20.725
Errors	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass
Value	.40000	40.000	.40000	.40000	.40000	.40000	20.000
Range	10.000	10.000	10.000	10.000	10.000	10.000	10.000

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664	Mg2790
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.40235	.39381	.39842	.40463	20.007	40.867	20.298
SDev	.00022	.00168	.00096	.00079	.041	.011	.016
%RSD	.05406	.42555	.24007	.19598	.20264	.02747	.08029
#1	.40220	.39500	.39910	.40519	20.036	40.875	20.309
#2	.40251	.39263	.39774	.40407	19.978	40.859	20.286
Errors	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass
Value	.40000	.40000	.40000	.40000	20.000	40.000	20.000
Range	10.000	10.000	10.000	10.000	10.000	10.000	10.000

Elem	Mn2576	Mo2020	Na5889	Ni2316	2203/1	2203/2	Sb2068
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	4.1060	.39815	20.783	.40163	.39807	.40828	.40914
SDev	.0078	.00074	.012	.00018	.00082	.00225	.00152
%RSD	.19078	.18495	.05684	.04444	.20732	.55199	.37063
#1	4.1115	.39867	20.791	.40176	.39748	.40988	.41021
#2	4.1004	.39763	20.774	.40151	.39865	.40669	.40807
Errors	QC Pass	QC Pass	QC Pass	QC Pass	NOCHECK	NOCHECK	QC Pass
Value	4.0000	.40000	20.000	.40000			.40000
Range	10.000	10.000	10.000	10.000			10.000

Elem	1960/1	1960/2	Pb2203	Se1960	Sn1899	Sr4215	Ti3349
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.39839	.39889	.40496	.39879	.39573	.40403	.40233
SDev	.00161	.00018	.00125	.00041	.00033	.00034	.00058
%RSD	.40299	.04610	.30875	.10348	.08264	.08519	.14463
#1	.39952	.39876	.40584	.39908	.39596	.40427	.40275
#2	.39725	.39902	.40407	.39850	.39549	.40378	.40192
Errors	NOCHECK	NOCHECK	QC Pass	QC Pass	QC Pass	NOCHECK	QC Pass
Value			.40000	.40000	.40000		.40000
Range			10.000	10.000	10.000		10.000

Elem	Tl1908	V_2924	Zn2062	Si2881

Units	ppm	ppm	ppm	ppm
Avge	.40828	4.0159	.39175	.41167
SDev	.00427	.0092	.00043	.00004
%RSD	1.0457	.22893	.10863	.00999
#1	.41130	4.0224	.39206	.41170
#2	.40526	4.0094	.39145	.41164
Errors	QC Pass	QC Pass	QC Pass	QC Pass
Value	.40000	4.0000	.40000	.40000
Range	10.000	10.000	10.000	10.000

IntStd	1	2	3	4	5	6	7
Mode	*Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	124002	--	--	--	--	--	--
SDev	207.8894	--	--	--	--	--	--
%RSD	.1676500	--	--	--	--	--	--
#1	123855	--	--	--	--	--	--
#2	124149	--	--	--	--	--	--

Method: P50930A Sample Name: ICB Operator: TDS
Run Time: 09/30/11 10:40:55
Comment:
Mode: CONC Corr. Factor: 1

Elem	Ag3280	Al3082	As1890	B_2496	Ba4934	Be3130	Ca3179
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.00024	.00199	-.00043	.00105	.00000	.00004	-.00575
SDev	.00008	.00233	.00121	.00089	.00003	.00001	.00054
%RSD	33.443	117.01	281.19	84.983	647.90	15.120	9.4661
#1	-.00018	.00034	.00043	.00169	-.00001	.00003	-.00613
#2	-.00030	.00363	-.00129	.00042	.00002	.00004	-.00536
Errors	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass
Value	.00000	.00000	.00000	.00000	.00000	.00000	.00000
Range	.00500	.20000	.01000	.05000	.01000	.00400	.20000

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664	Mg2790
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.00001	.00021	.00020	-.00052	.00513	.01217	-.00063
SDev	.00022	.00051	.00059	.00017	.00235	.02330	.00909
%RSD	3323.3	243.51	295.23	31.966	45.837	191.44	1440.0
#1	.00016	.00057	.00061	-.00040	.00679	.02865	.00580
#2	-.00015	-.00015	-.00022	-.00064	.00347	-.00430	-.00706
Errors	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass
Value	.00000	.00000	.00000	.00000	.00000	.00000	.00000
Range	.00200	.00500	.01000	.01000	.20000	.50000	.10000

Elem	Mn2576	Mo2020	Na5889	Ni2316	2203/1	2203/2	Sb2068
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.00030	.00173	.00593	.00017	-.00178	.00087	.00177
SDev	.00008	.00179	.00067	.00055	.00026	.00002	.00139
%RSD	27.601	103.21	11.211	332.56	14.600	2.2052	78.721
#1	-.00036	.00300	.00640	.00056	-.00160	.00088	.00276
#2	-.00024	.00047	.00546	-.00023	-.00197	.00086	.00078
Errors	QC Pass	QC Pass	QC Pass	QC Pass	NOCHECK	NOCHECK	QC Pass
Value	.00000	.00000	.00000	.00000			.00000
Range	.01000	.01000	1.0000	.01000			.02000

Elem	1960/1	1960/2	Pb2203	Se1960	Sn1899	Sr4215	Ti3349
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.00135	.00020	.00006	-.00025	-.00004	.00001	-.00006
SDev	.00106	.00007	.00010	.00040	.00045	.00002	.00006
%RSD	78.648	32.325	155.63	158.40	1216.6	333.15	89.299
#1	-.00060	.00025	.00013	.00003	.00028	.00002	-.00002
#2	-.00210	.00016	-.00001	-.00053	-.00036	-.00001	-.00010
Errors	NOCHECK	NOCHECK	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass
Value			.00000	.00000	.00000	.00000	.00000
Range			.00500	.01000	.04000	.00500	.00500

Elem	Tl1908	V_2924	Zn2062	Si2881

Units	ppm	ppm	ppm	ppm			
Avge	.00071	-.00013	-.00030	-.00372			
SDev	.00028	.00086	.00003	.00162			
%RSD	39.679	669.79	8.8349	43.456			
#1	.00051	.00048	-.00028	-.00487			
#2	.00091	-.00074	-.00032	-.00258			
Errors	QC Pass	QC Pass	QC Pass	QC Pass			
Value	.00000	.00000	.00000	.00000			
Range	.01000	.00500	.01000	.20000			
IntStd	1	2	3	4	5	6	7
Mode	*Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	125984	--	--	--	--	--	--
SDev	303.3488	--	--	--	--	--	--
%RSD	.2407846	--	--	--	--	--	--
#1	125769	--	--	--	--	--	--
#2	126198	--	--	--	--	--	--

Method: P50930A Sample Name: CRI Operator: TDS
Run Time: 09/30/11 10:47:07
Comment:
Mode: CONC Corr. Factor: 1

Elem	Ag3280	Al3082	As1890	B_2496	Ba4934	Be3130	Ca3179
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.00975	.39186	.01948	.09738	.01993	.00795	.40422
SDev	.00013	.00241	.00174	.00017	.00001	.00002	.00002
%RSD	1.3326	.61590	8.9426	.17144	.03073	.24180	.00584
#1	.00984	.39357	.01825	.09726	.01994	.00796	.40421
#2	.00965	.39016	.02071	.09750	.01993	.00794	.40424
Errors	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass
Value	.01000	.40000	.02000	.10000	.02000	.00800	.40000
Range	50.000	50.000	50.000	50.000	50.000	50.000	50.000

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664	Mg2790
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.00429	.01022	.02015	.01938	.41538	.92074	.19517
SDev	.00019	.00024	.00000	.00015	.00772	.00187	.00225
%RSD	4.3893	2.3596	.01230	.80112	1.8592	.20283	1.1540
#1	.00443	.01039	.02015	.01949	.42084	.91942	.19357
#2	.00416	.01005	.02016	.01927	.40992	.92206	.19676
Errors	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass
Value	.00400	.01000	.02000	.02000	.40000	1.0000	.20000
Range	50.000	50.000	50.000	50.000	50.000	50.000	50.000

Elem	Mn2576	Mo2020	Na5889	Ni2316	2203/1	2203/2	Sb2068
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.02043	.02096	1.8685	.02026	.00860	.01191	.04312
SDev	.00005	.00068	.0001	.00017	.00077	.00024	.00013
%RSD	.22811	3.2434	.00623	.81833	8.9311	2.0422	.30259
#1	.02040	.02144	1.8686	.02014	.00914	.01174	.04321
#2	.02046	.02048	1.8685	.02038	.00806	.01209	.04303
Errors	QC Pass	QC Pass	QC Pass	QC Pass	NOCHECK	NOCHECK	QC Pass
Value	.02000	.02000	2.0000	.02000			.04000
Range	50.000	50.000	50.000	50.000			50.000

Elem	1960/1	1960/2	Pb2203	Se1960	Sn1899	Sr4215	Ti3349
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.01926	.01981	.01089	.01969	.07990	.01003	.01016
SDev	.00261	.00015	.00009	.00077	.00137	.00001	.00020
%RSD	13.533	.76415	.86375	3.8985	1.7123	.13774	1.9257
#1	.01741	.01992	.01096	.01915	.08087	.01002	.01029
#2	.02110	.01970	.01082	.02023	.07893	.01004	.01002
Errors	NOCHECK	NOCHECK	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass
Value			.01000	.02000	.08000	.01000	.01000
Range			50.000	50.000	50.000	25.000	50.000

Elem	Tl1908	V_2924	Zn2062	Si2881

Units	ppm	ppm	ppm	ppm
Avge	.01952	.00993	.03957	.40900
SDev	.00073	.00040	.00036	.00121
%RSD	3.7609	4.0490	.90167	.29613
#1	.02004	.00965	.03982	.40985
#2	.01900	.01022	.03931	.40814
Errors	QC Pass	QC Pass	QC Pass	QC Pass
Value	.02000	.01000	.04000	.40000
Range	50.000	25.000	25.000	25.000

IntStd	1	2	3	4	5	6	7
Mode	*Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	125426	--	--	--	--	--	--
SDev	316.7838	--	--	--	--	--	--
%RSD	.2525663	--	--	--	--	--	--
#1	125202	--	--	--	--	--	--
#2	125650	--	--	--	--	--	--

Method: P50930A Sample Name: ICSA Operator: TDS
Run Time: 09/30/11 10:53:20
Comment:
Mode: CONC Corr. Factor: 1

Elem	Ag3280	Al3082	As1890	B_2496	Ba4934	Be3130	Ca3179
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.00042	494.78	-.00207	.00075	.00026	.00001	494.27
SDev	.00055	.77	.00077	.00073	.00004	.00001	2.07
%RSD	130.97	.15496	37.373	97.342	16.183	66.262	.41953
#1	.00080	494.24	-.00262	.00127	.00029	.00001	495.74
#2	.00003	495.32	-.00153	.00024	.00023	.00002	492.80
Errors	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass
Value	.00000	500.00	.00000	.00000	.00000	.00000	500.00
Range	.01000	100.00	.02000	.10000	.02000	.00800	100.00

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664	Mg2790
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.00001	.00043	.00212	-.00222	188.61	.01084	520.10
SDev	.00020	.00052	.00070	.00027	.46	.01989	1.18
%RSD	1670.4	120.69	33.017	12.200	.24560	183.42	.22632
#1	.00013	.00080	.00262	-.00203	188.94	.02490	520.93
#2	-.00015	.00006	.00163	-.00241	188.28	-.00322	519.27
Errors	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass
Value	.00000	.00000	.00000	.00000	200.00	.00000	500.00
Range	.00400	.01000	.02000	.02000	40.000	2.0000	100.00

Elem	Mn2576	Mo2020	Na5889	Ni2316	2203/1	2203/2	Sb2068
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.00415	-.00320	.03845	.00143	-.02291	.01669	.00104
SDev	.00003	.00048	.00113	.00059	.00122	.00044	.00217
%RSD	.82719	15.019	2.9287	41.366	5.3369	2.6554	208.29
#1	.00417	-.00354	.03924	.00184	-.02205	.01637	.00257
#2	.00412	-.00286	.03765	.00101	-.02378	.01700	-.00049
Errors	QC Pass	QC Pass	QC Pass	QC Pass	NOCHECK	NOCHECK	QC Pass
Value	.00000	.00000	.00000	.00000			.00000
Range	.02000	.02000	.20000	.02000			.04000

Elem	1960/1	1960/2	Pb2203	Se1960	Sn1899	Sr4215	Ti3349
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.00091	-.00209	.00359	-.00162	-.00141	.00234	-.00061
SDev	.00590	.00284	.00011	.00386	.00116	.00003	.00009
%RSD	648.47	135.87	2.9673	237.51	81.773	1.3773	15.201
#1	-.00508	-.00409	.00366	-.00435	-.00060	.00236	-.00054
#2	.00326	-.00008	.00351	.00110	-.00223	.00232	-.00067
Errors	NOCHECK	NOCHECK	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass
Value			.00000	.00000	.00000	.00000	.00000
Range			.01000	.02000	.04000	.01000	.01000

Elem	Tl1908	V_2924	Zn2062	Si2881

Units	ppm	ppm	ppm	ppm
Avge	.00223	.00652	.00388	.00871
SDev	.00261	.00055	.00059	.00215
%RSD	116.85	8.3962	15.262	24.654
#1	.00408	.00691	.00346	.01022
#2	.00039	.00613	.00430	.00719
Errors	QC Pass	QC Pass	QC Pass	QC Pass
Value	.00000	.00000	.00000	.00000
Range	.02000	.01000	.04000	.40000

IntStd	1	2	3	4	5	6	7
Mode	*Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	113528	--	--	--	--	--	--
SDev	546.5936	--	--	--	--	--	--
%RSD	.4814593	--	--	--	--	--	--
#1	113142	--	--	--	--	--	--
#2	113915	--	--	--	--	--	--

Method: P50930A Sample Name: ICSAB Operator: TDS
Run Time: 09/30/11 10:59:33
Comment:
Mode: CONC Corr. Factor: 1

Elem	Ag3280	Al3082	As1890	B_2496	Ba4934	Be3130	Ca3179
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.21872	504.92	.10614	.00202	.52211	.49760	504.41
SDev	.00080	2.85	.00096	.00023	.00075	.00101	1.97
%RSD	.36389	.56392	.89943	11.605	.14408	.20196	.39052
#1	.21816	502.90	.10681	.00218	.52158	.49689	503.02
#2	.21928	506.93	.10546	.00185	.52264	.49831	505.80
Errors	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass
Value	.20000	500.00	.10000	.00000	.50000	.50000	500.00
Range	.04000	100.00	.02000	.10000	.10000	.10000	100.00

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664	Mg2790
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.96500	.48173	.49453	.54789	193.19	.00350	531.95
SDev	.00289	.00112	.00235	.00161	.48	.01594	1.58
%RSD	.29982	.23150	.47507	.29324	.24914	455.37	.29639
#1	.96295	.48094	.49287	.54675	192.85	-.00777	530.84
#2	.96704	.48252	.49619	.54902	193.53	.01477	533.07
Errors	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass
Value	1.0000	.50000	.50000	.50000	200.00	.00000	500.00
Range	.20000	.10000	.10000	.10000	40.000	4.0000	100.00

Elem	Mn2576	Mo2020	Na5889	Ni2316	2203/1	2203/2	Sb2068
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.51503	-.00233	.03902	.95998	.02192	.06558	.61419
SDev	.00160	.00168	.00043	.00304	.00300	.00168	.00126
%RSD	.30989	72.091	1.1114	.31721	13.678	2.5653	.20549
#1	.51391	-.00114	.03933	.95783	.01980	.06439	.61508
#2	.51616	-.00351	.03872	.96213	.02404	.06677	.61330
Errors	QC Pass	QC Pass	QC Pass	QC Pass	NOCHECK	NOCHECK	QC Pass
Value	.50000	.00000	.00000	1.0000			.60000
Range	.10000	.02000	.40000	.20000			.12000

Elem	1960/1	1960/2	Pb2203	Se1960	Sn1899	Sr4215	Ti3349
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.05017	.04750	.05111	.04846	-.00126	.00238	-.00050
SDev	.00104	.00067	.00212	.00079	.00335	.00002	.00008
%RSD	2.0798	1.4108	4.1503	1.6390	265.95	.81843	15.974
#1	.05091	.04797	.04961	.04902	.00111	.00237	-.00056
#2	.04943	.04702	.05262	.04790	-.00363	.00239	-.00045
Errors	NOCHECK	NOCHECK	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass
Value			.05000	.05000	.00000	.00000	.00000
Range			.01000	.01000	.04000	.01000	.01000

Elem	Tl1908	V_2924	Zn2062	Si2881

Units	ppm	ppm	ppm	ppm
Avge	.10700	.51550	.92570	.01952
SDev	.00046	.00169	.00223	.00254
%RSD	.43242	.32770	.24081	13.034
#1	.10667	.51431	.92413	.01772
#2	.10732	.51670	.92728	.02132
Errors	QC Pass	QC Pass	QC Pass	QC Pass
Value	.10000	.50000	1.0000	.00000
Range	.02000	.10000	.20000	.40000

IntStd	1	2	3	4	5	6	7
Mode	*Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	113518	--	--	--	--	--	--
SDev	521.1377	--	--	--	--	--	--
%RSD	.4590773	--	--	--	--	--	--
#1	113887	--	--	--	--	--	--
#2	113150	--	--	--	--	--	--

Method: P50930A Sample Name: CCV Operator: TDS
Run Time: 09/30/11 11:08:25
Comment:
Mode: CONC Corr. Factor: 1

Elem	Ag3280	Al3082	As1890	B_2496	Ba4934	Be3130	Ca3179
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.50405	49.599	.51020	.50350	.50152	.49929	25.490
SDev	.00006	.129	.00026	.00172	.00032	.00059	.074
%RSD	.01230	.25973	.05200	.34204	.06294	.11856	.28865
#1	.50409	49.508	.51038	.50228	.50175	.49888	25.438
#2	.50400	49.691	.51001	.50472	.50130	.49971	25.542
Errors	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass
Value	.50000	50.000	.50000	.50000	.50000	.50000	25.000
Range	10.000	10.000	10.000	10.000	10.000	10.000	10.000

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664	Mg2790
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.50191	.49827	.50040	.50508	25.065	51.330	25.161
SDev	.00119	.00077	.00109	.00015	.040	.229	.055
%RSD	.23649	.15501	.21871	.03073	.16005	.44516	.22040
#1	.50107	.49772	.49963	.50519	25.037	51.169	25.122
#2	.50275	.49882	.50117	.50497	25.094	51.492	25.200
Errors	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass
Value	.50000	.50000	.50000	.50000	25.000	50.000	25.000
Range	10.000	10.000	10.000	10.000	10.000	10.000	10.000

Elem	Mn2576	Mo2020	Na5889	Ni2316	2203/1	2203/2	Sb2068
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	5.1203	.49868	25.761	.50494	.50027	.51175	.51211
SDev	.0087	.00331	.064	.00150	.00010	.00151	.00093
%RSD	.17022	.66277	.24856	.29759	.01973	.29450	.18090
#1	5.1141	.49634	25.716	.50388	.50020	.51282	.51146
#2	5.1264	.50101	25.806	.50601	.50034	.51069	.51277
Errors	QC Pass	QC Pass	QC Pass	QC Pass	NOCHECK	NOCHECK	QC Pass
Value	5.0000	.50000	25.000	.50000			.50000
Range	10.000	10.000	10.000	10.000			10.000

Elem	1960/1	1960/2	Pb2203	Se1960	Sn1899	Sr4215	Ti3349
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.49913	.49957	.50802	.49949	.49879	.50365	.51260
SDev	.00288	.00027	.00097	.00114	.00010	.00014	.00026
%RSD	.57779	.05366	.19128	.22823	.02033	.02804	.04969
#1	.50117	.49976	.50871	.50029	.49872	.50355	.51242
#2	.49709	.49938	.50733	.49868	.49886	.50375	.51278
Errors	NOCHECK	NOCHECK	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass
Value			.50000	.50000	.50000	.50000	.50000
Range			10.000	10.000	10.000	10.000	10.000

Elem	Tl1908	V_2924	Zn2062	Si2881

Units	ppm	ppm	ppm	ppm
Avge	.51300	5.0381	.49335	.51080
SDev	.00433	.0061	.00103	.00022
%RSD	.84336	.12143	.20798	.04381
#1	.50995	5.0338	.49262	.51064
#2	.51606	5.0424	.49407	.51096
Errors	QC Pass	QC Pass	QC Pass	QC Pass
Value	.50000	5.0000	.50000	.50000
Range	10.000	10.000	10.000	10.000

IntStd	1	2	3	4	5	6	7
Mode	*Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	123942	--	--	--	--	--	--
SDev	127.9863	--	--	--	--	--	--
%RSD	.1032627	--	--	--	--	--	--
#1	124033	--	--	--	--	--	--
#2	123852	--	--	--	--	--	--

Method: P50930A Sample Name: CCB Operator: TDS
Run Time: 09/30/11 11:14:50
Comment:
Mode: CONC Corr. Factor: 1

Elem	Ag3280	Al3082	As1890	B_2496	Ba4934	Be3130	Ca3179
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.00002	.01525	.00037	.00191	.00010	.00006	.01003
SDev	.00023	.00982	.00019	.00008	.00001	.00002	.01289
%RSD	1321.6	64.427	51.979	4.0455	14.749	34.527	128.57
#1	.00015	.00830	.00023	.00185	.00009	.00005	.00091
#2	-.00018	.02219	.00050	.00196	.00011	.00008	.01914
Errors	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass
Value	.00000	.00000	.00000	.00000	.00000	.00000	.00000
Range	.00500	.20000	.01000	.05000	.01000	.00400	.20000

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664	Mg2790
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.00002	.00036	.00024	-.00016	.01078	.02026	.01449
SDev	.00016	.00011	.00018	.00012	.00837	.00425	.00887
%RSD	1027.4	31.703	75.625	75.412	77.650	20.992	61.244
#1	-.00010	.00044	.00036	-.00024	.00486	.02326	.00822
#2	.00013	.00028	.00011	-.00007	.01670	.01725	.02077
Errors	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass
Value	.00000	.00000	.00000	.00000	.00000	.00000	.00000
Range	.00200	.00500	.01000	.01000	.20000	.50000	.10000

Elem	Mn2576	Mo2020	Na5889	Ni2316	2203/1	2203/2	Sb2068
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.00008	.00188	.01015	.00023	-.00159	-.00001	.00195
SDev	.00042	.00023	.00083	.00016	.00010	.00059	.00055
%RSD	494.71	12.487	8.1957	71.392	6.3780	5339.4	28.311
#1	-.00021	.00171	.00957	.00035	-.00166	.00041	.00234
#2	.00038	.00204	.01074	.00011	-.00152	-.00043	.00156
Errors	QC Pass	QC Pass	QC Pass	QC Pass	NOCHECK	NOCHECK	QC Pass
Value	.00000	.00000	.00000	.00000			.00000
Range	.01000	.01000	1.0000	.01000			.02000

Elem	1960/1	1960/2	Pb2203	Se1960	Sn1899	Sr4215	Ti3349
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.00237	.00238	-.00046	.00086	.00046	.00005	.00009
SDev	.00049	.00126	.00036	.00068	.00010	.00002	.00002
%RSD	20.515	53.088	78.509	79.070	22.266	36.350	25.056
#1	-.00271	.00327	-.00020	.00134	.00039	.00004	.00011
#2	-.00202	.00149	-.00071	.00038	.00053	.00006	.00008
Errors	NOCHECK	NOCHECK	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass
Value			.00000	.00000	.00000	.00000	.00000
Range			.00500	.01000	.04000	.00500	.00500

Elem	Tl1908	V_2924	Zn2062	Si2881

Units	ppm	ppm	ppm	ppm
Avge	.00192	.00053	.00003	-.00155
SDev	.00061	.00028	.00002	.00066
%RSD	31.826	54.116	90.515	42.272
#1	.00235	.00032	.00001	-.00202
#2	.00149	.00073	.00004	-.00109
Errors	QC Pass	QC Pass	QC Pass	QC Pass
Value	.00000	.00000	.00000	.00000
Range	.01000	.00500	.02000	.20000

IntStd	1	2	3	4	5	6	7
Mode	*Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	125909	--	--	--	--	--	--
SDev	345.0681	--	--	--	--	--	--
%RSD	.2740615	--	--	--	--	--	--
#1	125665	--	--	--	--	--	--
#2	126153	--	--	--	--	--	--

Method: P50930A Sample Name: MRL Operator: TDS
Run Time: 09/30/11 11:21:15
Comment:
Mode: CONC Corr. Factor: 1

Elem	Ag3280	Al3082	As1890	B_2496	Ba4934	Be3130	Ca3179
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.00532	.20636	.01004	.04987	.01000	.00399	.21476
SDev	.00041	.00924	.00005	.00117	.00004	.00002	.00967
%RSD	7.6354	4.4783	.51993	2.3359	.41576	.51652	4.5026
#1	.00503	.21289	.01008	.04905	.00997	.00401	.22160
#2	.00561	.19982	.01001	.05069	.01002	.00398	.20793
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	5.0000	600.00	10.000	20.000	20.000	10.000	1000.0
Low	-.00500	-.20000	-.01000	-.05000	-.01000	-.00400	-.20000

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664	Mg2790
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.00227	.00519	.01030	.00989	.22431	.47181	.11052
SDev	.00014	.00018	.00010	.00012	.00386	.00632	.00725
%RSD	5.9338	3.5188	.92801	1.2215	1.7200	1.3396	6.5604
#1	.00236	.00532	.01024	.00980	.22704	.47628	.11565
#2	.00217	.00506	.01037	.00997	.22158	.46734	.10540
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	10.000	50.000	50.000	20.000	1000.0	600.00	1000.0
Low	-.00200	-.00500	-.01000	-.01000	-.20000	-.50000	-.10000

Elem	Mn2576	Mo2020	Na5889	Ni2316	2203/1	2203/2	Sb2068
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.01036	.01141	.95148	.01057	.00427	.00470	.02225
SDev	.00007	.00060	.00314	.00011	.00059	.00048	.00039
%RSD	.66735	5.2140	.32949	.99977	13.691	10.213	1.7529
#1	.01041	.01183	.95369	.01065	.00386	.00436	.02197
#2	.01032	.01099	.94926	.01050	.00469	.00504	.02252
Errors	LC Pass	LC Pass	LC Pass	LC Pass	NOCHECK	NOCHECK	LC Pass
High	10.000	20.000	50.000	50.000			20.000
Low	-.01000	-.01000	-1.0000	-.01000			-.02000

Elem	1960/1	1960/2	Pb2203	Se1960	Sn1899	Sr4215	Ti3349
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.00863	.01068	.00464	.01006	.04059	.00505	.00520
SDev	.00073	.00154	.00052	.00127	.00026	.00001	.00004
%RSD	8.5190	14.426	11.115	12.649	.63656	.28602	.74781
#1	.00811	.00959	.00427	.00916	.04040	.00506	.00523
#2	.00915	.01177	.00500	.01096	.04077	.00504	.00517
Errors	NOCHECK	NOCHECK	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High			50.000	10.000	10.000	5.0000	5.0000
Low			-.00500	-.01000	-.04000	-.00500	-.00500

Elem	Tl1908	V_2924	Zn2062	Si2881

Units	ppm	ppm	ppm	ppm
Avge	.01074	.00523	.02056	.23147
SDev	.00228	.00051	.00024	.00072
%RSD	21.199	9.8414	1.1779	.30946
#1	.00913	.00559	.02074	.23097
#2	.01235	.00486	.02039	.23198
Errors	LC Pass	LC Pass	LC Pass	LC Pass
High	20.000	100.00	20.000	100.00
Low	-.01000	-.00500	-.02000	-.20000

IntStd	1	2	3	4	5	6	7
Mode	*Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	126164	--	--	--	--	--	--
SDev	516.8951	--	--	--	--	--	--
%RSD	.4097025	--	--	--	--	--	--
#1	126529	--	--	--	--	--	--
#2	125798	--	--	--	--	--	--

Method: P50930A Sample Name: MB 500-127081/1-A Operator: TDS
Run Time: 09/30/11 11:27:39
Comment:
Mode: CONC Corr. Factor: 1

Elem	Ag3280	Al3082	As1890	B_2496	Ba4934	Be3130	Ca3179
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.00002	.00644	-.00393	-.00017	.00029	-.00001	.03972
SDev	.00056	.00378	.00028	.00046	.00003	.00003	.00064
%RSD	3057.2	58.735	6.9961	265.47	9.2252	221.93	1.6245
#1	.00041	.00912	-.00374	.00015	.00031	.00001	.04017
#2	-.00038	.00377	-.00413	-.00050	.00027	-.00003	.03926
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	.00500	.20000	.01000	.05000	.01000	.00400	.20000
Low	-.00500	-.20000	-.01000	-.05000	-.01000	-.00400	-.20000

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664	Mg2790
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.00021	.00064	.00094	.00146	.02286	.03021	.01271
SDev	.00006	.00069	.00047	.00052	.01964	.01259	.00373
%RSD	26.723	107.37	50.168	35.599	85.899	41.678	29.375
#1	-.00017	.00113	.00128	.00183	.03675	.03911	.01535
#2	-.00026	.00015	.00061	.00109	.00898	.02130	.01007
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	.00200	.00500	.01000	.01000	.20000	.50000	.10000
Low	-.00200	-.00500	-.01000	-.01000	-.20000	-.50000	-.10000

Elem	Mn2576	Mo2020	Na5889	Ni2316	2203/1	2203/2	Sb2068
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.00027	.00236	.31488	.00090	.00273	-.00001	.00242
SDev	.00010	.00035	.00233	.00055	.00119	.00058	.00085
%RSD	36.579	14.925	.73866	60.461	43.651	11394.	34.970
#1	-.00020	.00261	.31323	.00129	.00357	-.00042	.00302
#2	-.00034	.00211	.31652	.00052	.00189	.00040	.00182
Errors	LC Pass	LC Pass	LC Pass	LC Pass	NOCHECK	NOCHECK	LC Pass
High	.01000	.01000	1.0000	.01000			.02000
Low	-.01000	-.01000	-1.0000	-.01000			-.02000

Elem	1960/1	1960/2	Pb2203	Se1960	Sn1899	Sr4215	Ti3349
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.00954	.00421	.00098	-.00031	.01530	.00008	.00042
SDev	.00149	.00080	.00002	.00003	.00000	.00003	.00021
%RSD	15.668	19.010	1.7647	11.263	.01071	36.969	50.072
#1	-.00848	.00365	.00099	-.00033	.01530	.00011	.00057
#2	-.01060	.00478	.00097	-.00028	.01530	.00006	.00027
Errors	NOCHECK	NOCHECK	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High			.00500	.01000	.04000	.00500	.00500
Low			-.00500	-.01000	-.04000	-.00500	-.00500

Elem	Tl1908	V_2924	Zn2062	Si2881

Units	ppm	ppm	ppm	ppm
Avge	-.00133	.00000	.00127	.00967
SDev	.00121	.00018	.00043	.00202
%RSD	90.931	29602.	33.763	20.936
#1	-.00218	.00013	.00157	.01111
#2	-.00047	-.00013	.00096	.00824
Errors	LC Pass	LC Pass	LC Pass	LC Pass
High	.01000	.00500	.02000	.20000
Low	-.01000	-.00500	-.01000	-.20000

IntStd	1	2	3	4	5	6	7
Mode	*Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	125926	--	--	--	--	--	--
SDev	1355.524	--	--	--	--	--	--
%RSD	1.076449	--	--	--	--	--	--
#1	124967	--	--	--	--	--	--
#2	126884	--	--	--	--	--	--

Method: P50930A Sample Name: LCS 500-127081/2-A Operator: TDS
Run Time: 09/30/11 11:34:03
Comment:
Mode: CONC Corr. Factor: 1

Elem	Ag3280	Al3082	As1890	B_2496	Ba4934	Be3130	Ca3179
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.04534	1.8913	.09143	.91135	1.9020	.04781	9.8463
SDev	.00021	.0041	.00091	.00250	.0056	.00014	.0222
%RSD	.45640	.21691	.99814	.27398	.29187	.29614	.22558
#1	.04549	1.8942	.09078	.90958	1.9059	.04770	9.8306
#2	.04519	1.8884	.09207	.91311	1.8980	.04791	9.8620
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	.06000	2.4000	.12000	1.2000	2.4000	.06000	12.000
Low	.04000	1.6000	.08000	.80000	1.6000	.04000	8.0000

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664	Mg2790
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.04813	.48471	.19704	.24885	.99698	9.2280	9.4892
SDev	.00013	.00083	.00042	.00018	.00551	.0232	.0143
%RSD	.27084	.17197	.21260	.07231	.55274	.25185	.15097
#1	.04804	.48413	.19675	.24898	.99308	9.2444	9.4791
#2	.04822	.48530	.19734	.24873	1.0009	9.2115	9.4993
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	.06000	.60000	.24000	.30000	1.2000	12.000	12.000
Low	.04000	.40000	.16000	.20000	.80000	8.0000	8.0000

Elem	Mn2576	Mo2020	Na5889	Ni2316	2203/1	2203/2	Sb2068
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.50760	.95385	9.5688	.48775	.09957	.10115	.46546
SDev	.00049	.00345	.0226	.00150	.00203	.00004	.00058
%RSD	.09664	.36144	.23665	.30711	2.0413	.03673	.12465
#1	.50725	.95142	9.5849	.48669	.10101	.10112	.46505
#2	.50795	.95629	9.5528	.48881	.09814	.10117	.46587
Errors	LC Pass	LC Pass	LC Pass	LC Pass	NOCHECK	NOCHECK	LC Pass
High	.60000	1.2000	12.000	.60000			.60000
Low	.40000	.80000	8.0000	.40000			.40000

Elem	1960/1	1960/2	Pb2203	Se1960	Sn1899	Sr4215	Ti3349
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.07429	.08915	.10072	.08426	.95686	.97459	.97428
SDev	.00430	.00231	.00065	.00010	.00170	.00164	.00001
%RSD	5.7898	2.5866	.64837	.12270	.17822	.16854	.00096
#1	.07733	.08752	.10118	.08419	.95566	.97576	.97428
#2	.07125	.09078	.10026	.08433	.95807	.97343	.97429
Errors	NOCHECK	NOCHECK	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High			.12000	.12000	1.2000	1.2000	1.2000
Low			.08000	.08000	.80000	.80000	.80000

Elem	Tl1908	V_2924	Zn2062	Si2881

Units	ppm	ppm	ppm	ppm
Avge	.09578	.49116	.47304	L3.1580
SDev	.00203	.00113	.00190	.0031
%RSD	2.1236	.23061	.40227	.09714
#1	.09435	.49036	.47169	L3.1558
#2	.09722	.49196	.47438	L3.1601
Errors	LC Pass	LC Pass	LC Pass	LC Low
High	.12000	.60000	.60000	6.0000
Low	.08000	.40000	.40000	4.0000

IntStd	1	2	3	4	5	6	7
Mode	*Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	125690	--	--	--	--	--	--
SDev	345.7752	--	--	--	--	--	--
%RSD	.2751005	--	--	--	--	--	--
#1	125446	--	--	--	--	--	--
#2	125935	--	--	--	--	--	--

Method: P50930A Sample Name: 510-70452-G-1-A Operator: TDS
Run Time: 09/30/11 11:40:27
Comment:
Mode: CONC Corr. Factor: 1

Elem	Ag3280	Al3082	As1890	B_2496	Ba4934	Be3130	Ca3179
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.00022	52.820	.01914	.01644	.27093	.00240	15.708
SDev	.00054	.021	.00079	.00070	.00002	.00002	.008
%RSD	244.51	.03884	4.1281	4.2801	.00838	.86847	.05183
#1	.00060	52.835	.01858	.01594	.27091	.00239	15.714
#2	-.00016	52.806	.01970	.01694	.27094	.00242	15.702
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	5.0000	600.00	10.000	20.000	20.000	10.000	1000.0
Low	-.00500	-.20000	-.01000	-.05000	-.01000	-.00400	-.20000

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664	Mg2790
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.00075	.02644	.06483	.04333	66.027	3.9293	10.711
SDev	.00009	.00025	.00009	.00009	.066	.0006	.014
%RSD	11.583	.95912	.14434	.21482	.09971	.01623	.13023
#1	-.00081	.02662	.06490	.04326	66.073	3.9298	10.721
#2	-.00069	.02626	.06476	.04340	65.980	3.9289	10.701
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	10.000	50.000	50.000	20.000	1000.0	600.00	1000.0
Low	-.00200	-.00500	-.01000	-.01000	-.20000	-.50000	-.10000

Elem	Mn2576	Mo2020	Na5889	Ni2316	2203/1	2203/2	Sb2068
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	2.0055	.00192	.62736	.05930	.05776	.06058	.00325
SDev	.0002	.00102	.00068	.00023	.00198	.00022	.00083
%RSD	.00823	53.138	.10904	.39150	3.4366	.36982	25.480
#1	2.0056	.00265	.62784	.05913	.05916	.06042	.00383
#2	2.0054	.00120	.62688	.05946	.05635	.06074	.00266
Errors	LC Pass	LC Pass	LC Pass	LC Pass	NOCHECK	NOCHECK	LC Pass
High	10.000	20.000	50.000	50.000			20.000
Low	-.01000	-.01000	-1.0000	-.01000			-.02000

Elem	1960/1	1960/2	Pb2203	Se1960	Sn1899	Sr4215	Ti3349
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.00723	.00717	.05971	.00243	.00686	.07452	1.2766
SDev	.00162	.00084	.00051	.00110	.00005	.00006	.0001
%RSD	22.384	11.679	.85839	45.173	.73251	.07655	.00930
#1	-.00609	.00776	.06008	.00321	.00690	.07448	1.2767
#2	-.00838	.00658	.05935	.00165	.00683	.07456	1.2765
Errors	NOCHECK	NOCHECK	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High			50.000	10.000	10.000	5.0000	5.0000
Low			-.00500	-.01000	-.04000	-.00500	-.00500

Elem	Tl1908	V_2924	Zn2062	Si2881

Units	ppm	ppm	ppm	ppm
Avge	-.00110	.11555	.17930	2.0035
SDev	.00092	.00020	.00027	.0019
%RSD	83.871	.17278	.15218	.09573
#1	-.00175	.11569	.17911	2.0021
#2	-.00045	.11541	.17949	2.0048
Errors	LC Pass	LC Pass	LC Pass	LC Pass
High	20.000	100.00	20.000	100.00
Low	-.01000	-.00500	-.02000	-.20000

IntStd	1	2	3	4	5	6	7
Mode	*Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	129052	--	--	--	--	--	--
SDev	531.0372	--	--	--	--	--	--
%RSD	.4114925	--	--	--	--	--	--
#1	128676	--	--	--	--	--	--
#2	129427	--	--	--	--	--	--

Method: P50930A Sample Name: 510-70452-G-2-A Operator: TDS
Run Time: 09/30/11 11:46:51
Comment:
Mode: CONC Corr. Factor: 1

Elem	Ag3280	Al3082	As1890	B_2496	Ba4934	Be3130	Ca3179
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.00014	42.278	.01666	.01188	.13523	.00178	4.0427
SDev	.00030	.067	.00020	.00019	.00026	.00000	.0021
%RSD	215.20	.15838	1.1968	1.6102	.18971	.06708	.05308
#1	-.00035	42.325	.01680	.01201	.13541	.00179	4.0412
#2	.00007	42.231	.01652	.01174	.13505	.00178	4.0442
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	5.0000	600.00	10.000	20.000	20.000	10.000	1000.0
Low	-.00500	-.20000	-.01000	-.05000	-.01000	-.00400	-.20000

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664	Mg2790
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.00068	.01914	.05044	.02916	50.685	2.9392	7.6109
SDev	.00010	.00001	.00011	.00002	.047	.0117	.0049
%RSD	14.237	.04850	.22586	.07294	.09265	.39758	.06477
#1	-.00075	.01915	.05036	.02918	50.718	2.9475	7.6144
#2	-.00062	.01913	.05052	.02915	50.652	2.9309	7.6074
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	10.000	50.000	50.000	20.000	1000.0	600.00	1000.0
Low	-.00200	-.00500	-.01000	-.01000	-.20000	-.50000	-.10000

Elem	Mn2576	Mo2020	Na5889	Ni2316	2203/1	2203/2	Sb2068
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	1.1925	.00247	.69059	.04806	.03221	.03303	.00152
SDev	.0008	.00083	.00166	.00016	.00115	.00016	.00023
%RSD	.07127	33.509	.24071	.32653	3.5697	.49645	14.895
#1	1.1931	.00306	.69177	.04795	.03139	.03315	.00168
#2	1.1919	.00189	.68942	.04817	.03302	.03291	.00136
Errors	LC Pass	LC Pass	LC Pass	LC Pass	NOCHECK	NOCHECK	LC Pass
High	10.000	20.000	50.000	50.000			20.000
Low	-.01000	-.01000	-1.0000	-.01000			-.02000

Elem	1960/1	1960/2	Pb2203	Se1960	Sn1899	Sr4215	Ti3349
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.00813	.00642	.03284	.00163	.00898	.02920	1.1369
SDev	.00048	.00104	.00027	.00054	.00005	.00004	.0001
%RSD	5.8994	16.274	.83344	32.858	.50520	.14920	.01231
#1	-.00779	.00568	.03265	.00125	.00895	.02923	1.1370
#2	-.00847	.00716	.03303	.00201	.00901	.02917	1.1368
Errors	NOCHECK	NOCHECK	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High			50.000	10.000	10.000	5.0000	5.0000
Low			-.00500	-.01000	-.04000	-.00500	-.00500

Elem	Tl1908	V_2924	Zn2062	Si2881

Units	ppm	ppm	ppm	ppm
Avge	-.00135	.08920	.11342	1.8128
SDev	.00066	.00045	.00067	.0018
%RSD	49.268	.50143	.58810	.10108
#1	-.00182	.08952	.11294	1.8115
#2	-.00088	.08888	.11389	1.8141
Errors	LC Pass	LC Pass	LC Pass	LC Pass
High	20.000	100.00	20.000	100.00
Low	-.01000	-.00500	-.02000	-.20000

IntStd	1	2	3	4	5	6	7
Mode	*Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	128142	--	--	--	--	--	--
SDev	287.0854	--	--	--	--	--	--
%RSD	.2240369	--	--	--	--	--	--
#1	127939	--	--	--	--	--	--
#2	128345	--	--	--	--	--	--

Method: P50930A Sample Name: 510-70452-G-3-A Operator: TDS
Run Time: 09/30/11 11:53:14
Comment:
Mode: CONC Corr. Factor: 1

Elem	Ag3280	Al3082	As1890	B_2496	Ba4934	Be3130	Ca3179
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.00020	26.608	.02055	.01886	.09059	.00166	476.03
SDev	.00005	.004	.00045	.00089	.00019	.00001	1.12
%RSD	23.865	.01676	2.1798	4.7454	.20858	.74117	.23494
#1	.00017	26.611	.02024	.01949	.09073	.00166	476.82
#2	.00024	26.605	.02087	.01823	.09046	.00165	475.24
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	5.0000	600.00	10.000	20.000	20.000	10.000	1000.0
Low	-.00500	-.20000	-.01000	-.05000	-.01000	-.00400	-.20000

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664	Mg2790
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.00019	.02504	.06765	.04212	58.060	3.0581	167.58
SDev	.00010	.00035	.00065	.00024	.126	.0029	.18
%RSD	54.469	1.3868	.96573	.56083	.21765	.09518	.10888
#1	.00012	.02529	.06811	.04229	58.149	3.0602	167.71
#2	.00027	.02480	.06719	.04196	57.970	3.0561	167.45
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	10.000	50.000	50.000	20.000	1000.0	600.00	1000.0
Low	-.00200	-.00500	-.01000	-.01000	-.20000	-.50000	-.10000

Elem	Mn2576	Mo2020	Na5889	Ni2316	2203/1	2203/2	Sb2068
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	1.8394	.00162	1.3973	.06176	.04078	.04257	.00309
SDev	.0036	.00054	.0009	.00043	.00250	.00118	.00137
%RSD	.19727	33.127	.06106	.69287	6.1412	2.7769	44.375
#1	1.8420	.00200	1.3967	.06207	.04255	.04174	.00406
#2	1.8369	.00124	1.3979	.06146	.03901	.04341	.00212
Errors	LC Pass	LC Pass	LC Pass	LC Pass	NOCHECK	NOCHECK	LC Pass
High	10.000	20.000	50.000	50.000			20.000
Low	-.01000	-.01000	-1.0000	-.01000			-.02000

Elem	1960/1	1960/2	Pb2203	Se1960	Sn1899	Sr4215	Ti3349
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.00619	.00300	.04205	.00000	.00745	.23911	1.2649
SDev	.00212	.00012	.00004	.00063	.00028	.00051	.0016
%RSD	34.206	3.8990	.09810	20873.	3.7139	.21502	.12386
#1	-.00470	.00292	.04207	.00045	.00765	.23947	1.2660
#2	-.00769	.00309	.04202	-.00044	.00725	.23874	1.2638
Errors	NOCHECK	NOCHECK	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High			50.000	10.000	10.000	5.0000	5.0000
Low			-.00500	-.01000	-.04000	-.00500	-.00500

Elem	Tl1908	V_2924	Zn2062	Si2881

Units	ppm	ppm	ppm	ppm
Avge	-.00067	.09492	.13102	1.5987
SDev	.00018	.00011	.00009	.0125
%RSD	27.055	.11772	.06473	.78344
#1	-.00054	.09500	.13108	1.6075
#2	-.00080	.09484	.13096	1.5898
Errors	LC Pass	LC Pass	LC Pass	LC Pass
High	20.000	100.00	20.000	100.00
Low	-.01000	-.00500	-.02000	-.20000

IntStd	1	2	3	4	5	6	7
Mode	*Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	121762	--	--	--	--	--	--
SDev	514.0666	--	--	--	--	--	--
%RSD	.4221914	--	--	--	--	--	--
#1	121398	--	--	--	--	--	--
#2	122125	--	--	--	--	--	--

Method: P50930A Sample Name: 510-70452-G-4-A Operator: TDS
Run Time: 09/30/11 11:59:38
Comment:
Mode: CONC Corr. Factor: 1

Elem	Ag3280	Al3082	As1890	B_2496	Ba4934	Be3130	Ca3179
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.00003	29.252	.02466	.01691	.14313	.00174	305.09
SDev	.00020	.022	.00089	.00011	.00028	.00001	.57
%RSD	719.88	.07639	3.6268	.67464	.19544	.38636	.18769
#1	.00017	29.268	.02529	.01683	.14332	.00174	305.50
#2	-.00011	29.236	.02402	.01699	.14293	.00173	304.69
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	5.0000	600.00	10.000	20.000	20.000	10.000	1000.0
Low	-.00500	-.20000	-.01000	-.05000	-.01000	-.00400	-.20000

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664	Mg2790
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.00015	.03523	.07330	.05082	68.213	2.8960	75.792
SDev	.00007	.00012	.00019	.00027	.089	.0003	.106
%RSD	45.636	.33179	.25804	.52665	.13057	.00863	.13932
#1	.00020	.03515	.07344	.05101	68.276	2.8958	75.867
#2	.00010	.03532	.07317	.05063	68.150	2.8961	75.718
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	10.000	50.000	50.000	20.000	1000.0	600.00	1000.0
Low	-.00200	-.00500	-.01000	-.01000	-.20000	-.50000	-.10000

Elem	Mn2576	Mo2020	Na5889	Ni2316	2203/1	2203/2	Sb2068
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	2.4618	.00254	1.0870	.08606	.03434	.03832	.00190
SDev	.0032	.00080	.0010	.00005	.00011	.00499	.00069
%RSD	.13072	31.587	.09332	.05288	.30685	13.024	36.458
#1	2.4641	.00310	1.0878	.08610	.03441	.04185	.00141
#2	2.4595	.00197	1.0863	.08603	.03427	.03479	.00239
Errors	LC Pass	LC Pass	LC Pass	LC Pass	NOCHECK	NOCHECK	LC Pass
High	10.000	20.000	50.000	50.000			20.000
Low	-.01000	-.01000	-1.0000	-.01000			-.02000

Elem	1960/1	1960/2	Pb2203	Se1960	Sn1899	Sr4215	Ti3349
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.00788	.00384	.03707	-.00000	.00680	.20854	1.2299
SDev	.00077	.00108	.00336	.00046	.00101	.00019	.0007
%RSD	9.8135	28.116	9.0707	16928.	14.889	.09169	.05305
#1	-.00733	.00308	.03945	-.00033	.00752	.20867	1.2304
#2	-.00842	.00460	.03470	.00032	.00609	.20840	1.2295
Errors	NOCHECK	NOCHECK	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High			50.000	10.000	10.000	5.0000	5.0000
Low			-.00500	-.01000	-.04000	-.00500	-.00500

Elem	Tl1908	V_2924	Zn2062	Si2881

Units	ppm	ppm	ppm	ppm
Avge	.00059	.09122	.14994	1.4382
SDev	.00410	.00004	.00034	.0004
%RSD	696.31	.04734	.22572	.02466
#1	.00349	.09125	.15018	1.4385
#2	-.00231	.09119	.14970	1.4380
Errors	LC Pass	LC Pass	LC Pass	LC Pass
High	20.000	100.00	20.000	100.00
Low	-.01000	-.00500	-.02000	-.20000

IntStd	1	2	3	4	5	6	7
Mode	*Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	124692	--	--	--	--	--	--
SDev	596.0910	--	--	--	--	--	--
%RSD	.4780488	--	--	--	--	--	--
#1	124271	--	--	--	--	--	--
#2	125114	--	--	--	--	--	--

Method: P50930A Sample Name: 510-70452-G-5-A Operator: TDS
Run Time: 09/30/11 12:06:01
Comment:
Mode: CONC Corr. Factor: 1

Elem	Ag3280	Al3082	As1890	B_2496	Ba4934	Be3130	Ca3179
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.00017	10.866	.01345	.01175	.02778	.00083	200.52
SDev	.00053	.002	.00030	.00008	.00005	.00000	.55
%RSD	305.63	.02206	2.2534	.64692	.16918	.34652	.27614
#1	.00020	10.864	.01367	.01180	.02775	.00083	200.91
#2	-.00055	10.868	.01324	.01169	.02781	.00084	200.13
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	5.0000	600.00	10.000	20.000	20.000	10.000	1000.0
Low	-.00500	-.20000	-.01000	-.05000	-.01000	-.00400	-.20000

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664	Mg2790
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.00012	.01820	.03127	.02684	29.301	1.7310	54.648
SDev	.00001	.00035	.00064	.00026	.055	.0007	.113
%RSD	5.7423	1.9197	2.0585	.95902	.18693	.03992	.20702
#1	-.00012	.01845	.03173	.02703	29.340	1.7315	54.728
#2	-.00012	.01796	.03082	.02666	29.263	1.7305	54.568
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	10.000	50.000	50.000	20.000	1000.0	600.00	1000.0
Low	-.00200	-.00500	-.01000	-.01000	-.20000	-.50000	-.10000

Elem	Mn2576	Mo2020	Na5889	Ni2316	2203/1	2203/2	Sb2068
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.82851	.00081	.94468	.03462	.01975	.02131	.00348
SDev	.00158	.00049	.00150	.00024	.00081	.00464	.00043
%RSD	.19072	60.019	.15832	.68112	4.1290	21.776	12.474
#1	.82963	.00047	.94362	.03445	.02032	.01803	.00379
#2	.82740	.00116	.94574	.03478	.01917	.02459	.00317
Errors	LC Pass	LC Pass	LC Pass	LC Pass	NOCHECK	NOCHECK	LC Pass
High	10.000	20.000	50.000	50.000			20.000
Low	-.01000	-.01000	-1.0000	-.01000			-.02000

Elem	1960/1	1960/2	Pb2203	Se1960	Sn1899	Sr4215	Ti3349
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.00727	.00270	.02085	-.00056	.00890	.13458	.62938
SDev	.00251	.00053	.00282	.00048	.00122	.00003	.00096
%RSD	34.442	19.554	13.530	86.603	13.708	.02578	.15200
#1	-.00550	.00233	.01886	-.00022	.00976	.13461	.63006
#2	-.00905	.00308	.02285	-.00090	.00804	.13456	.62871
Errors	NOCHECK	NOCHECK	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High			50.000	10.000	10.000	5.0000	5.0000
Low			-.00500	-.01000	-.04000	-.00500	-.00500

Elem	Tl1908	V_2924	Zn2062	Si2881

Units	ppm	ppm	ppm	ppm
Avge	-.00340	.04154	.08122	1.2065
SDev	.00005	.00020	.00008	.0035
%RSD	1.4618	.47608	.09724	.28774
#1	-.00337	.04140	.08127	1.2041
#2	-.00344	.04168	.08116	1.2090
Errors	LC Pass	LC Pass	LC Pass	LC Pass
High	20.000	100.00	20.000	100.00
Low	-.01000	-.00500	-.02000	-.20000

IntStd	1	2	3	4	5	6	7
Mode	*Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	124598	--	--	--	--	--	--
SDev	703.5712	--	--	--	--	--	--
%RSD	.5646753	--	--	--	--	--	--
#1	124100	--	--	--	--	--	--
#2	125095	--	--	--	--	--	--

Method: P50930A Sample Name: 510-70452-G-6-A Operator: TDS
Run Time: 09/30/11 12:12:25
Comment:
Mode: CONC Corr. Factor: 1

Elem	Ag3280	Al3082	As1890	B_2496	Ba4934	Be3130	Ca3179
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.00032	9.0234	.01266	.01066	.02576	.00076	193.39
SDev	.00019	.0165	.00126	.00015	.00002	.00001	.20
%RSD	59.195	.18261	9.9325	1.3873	.05833	1.1890	.10217
#1	.00019	9.0351	.01177	.01056	.02577	.00075	193.25
#2	.00045	9.0118	.01355	.01077	.02575	.00076	193.53
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	5.0000	600.00	10.000	20.000	20.000	10.000	1000.0
Low	-.00500	-.20000	-.01000	-.05000	-.01000	-.00400	-.20000

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664	Mg2790
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.00020	.01585	.02547	.01979	27.676	1.3808	48.571
SDev	.00009	.00023	.00042	.00015	.071	.0009	.012
%RSD	45.506	1.4736	1.6386	.78055	.25625	.06234	.02380
#1	-.00014	.01568	.02518	.01968	27.626	1.3802	48.579
#2	-.00027	.01601	.02577	.01990	27.726	1.3814	48.562
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	10.000	50.000	50.000	20.000	1000.0	600.00	1000.0
Low	-.00200	-.00500	-.01000	-.01000	-.20000	-.50000	-.10000

Elem	Mn2576	Mo2020	Na5889	Ni2316	2203/1	2203/2	Sb2068
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.75510	.00119	.99003	.02828	.01979	.01644	.00314
SDev	.00046	.00066	.00435	.00028	.00000	.00131	.00006
%RSD	.06039	55.641	.43929	.98666	.00299	7.9597	2.0183
#1	.75478	.00072	.99310	.02809	.01979	.01551	.00318
#2	.75542	.00166	.98695	.02848	.01979	.01736	.00309
Errors	LC Pass	LC Pass	LC Pass	LC Pass	NOCHECK	NOCHECK	LC Pass
High	10.000	20.000	50.000	50.000			20.000
Low	-.01000	-.01000	-1.0000	-.01000			-.02000

Elem	1960/1	1960/2	Pb2203	Se1960	Sn1899	Sr4215	Ti3349
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.00639	.00340	.01765	.00020	.00975	.12109	.57808
SDev	.00215	.00263	.00087	.00104	.00109	.00012	.00076
%RSD	33.619	77.414	4.9421	514.25	11.190	.09471	.13107
#1	-.00791	.00527	.01704	.00094	.01053	.12117	.57755
#2	-.00487	.00154	.01827	-.00053	.00898	.12101	.57862
Errors	NOCHECK	NOCHECK	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High			50.000	10.000	10.000	5.0000	5.0000
Low			-.00500	-.01000	-.04000	-.00500	-.00500

Elem	Tl1908	V_2924	Zn2062	Si2881

Units	ppm	ppm	ppm	ppm
Avge	-.00303	.03779	.06006	1.0936
SDev	.00145	.00068	.00062	.0110
%RSD	47.671	1.7921	1.0253	1.0061
#1	-.00201	.03731	.05963	1.1014
#2	-.00406	.03827	.06050	1.0858
Errors	LC Pass	LC Pass	LC Pass	LC Pass
High	20.000	100.00	20.000	100.00
Low	-.01000	-.00500	-.02000	-.20000

IntStd	1	2	3	4	5	6	7
Mode	*Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	124323	--	--	--	--	--	--
SDev	158.3919	--	--	--	--	--	--
%RSD	.1274036	--	--	--	--	--	--
#1	124211	--	--	--	--	--	--
#2	124435	--	--	--	--	--	--

Method: P50930A Sample Name: 510-70452-G-7-A Operator: TDS
Run Time: 09/30/11 12:18:49
Comment:
Mode: CONC Corr. Factor: 1

Elem	Ag3280	Al3082	As1890	B_2496	Ba4934	Be3130	Ca3179
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.00001	50.947	.02880	.02222	.48126	.00284	96.922
SDev	.00056	.112	.00081	.00045	.00058	.00001	.015
%RSD	4350.4	.21914	2.8017	2.0190	.12079	.20696	.01596
#1	.00038	50.868	.02823	.02254	.48085	.00284	96.933
#2	-.00041	51.026	.02937	.02190	.48167	.00284	96.911
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	5.0000	600.00	10.000	20.000	20.000	10.000	1000.0
Low	-.00500	-.20000	-.01000	-.05000	-.01000	-.00400	-.20000

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664	Mg2790
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.00055	.03120	.11840	.07017	89.979	4.5104	29.746
SDev	.00032	.00036	.00026	.00007	.022	.0242	.006
%RSD	57.237	1.1502	.21743	.09808	.02410	.53754	.01857
#1	-.00078	.03094	.11822	.07022	89.995	4.4932	29.742
#2	-.00033	.03145	.11859	.07012	89.964	4.5275	29.750
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	10.000	50.000	50.000	20.000	1000.0	600.00	1000.0
Low	-.00200	-.00500	-.01000	-.01000	-.20000	-.50000	-.10000

Elem	Mn2576	Mo2020	Na5889	Ni2316	2203/1	2203/2	Sb2068
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	2.8704	.00318	1.1157	.07488	.25154	.25827	.00569
SDev	.0010	.00152	.0026	.00051	.00099	.00340	.00006
%RSD	.03533	47.741	.22941	.68112	.39444	1.3159	.96395
#1	2.8711	.00210	1.1139	.07452	.25084	.25587	.00565
#2	2.8697	.00425	1.1175	.07525	.25225	.26067	.00573
Errors	LC Pass	LC Pass	LC Pass	LC Pass	NOCHECK	NOCHECK	LC Pass
High	10.000	20.000	50.000	50.000			20.000
Low	-.01000	-.01000	-1.0000	-.01000			-.02000

Elem	1960/1	1960/2	Pb2203	Se1960	Sn1899	Sr4215	Ti3349
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.00605	.00423	.25610	.00087	.00884	.12596	1.2311
SDev	.00134	.00216	.00260	.00099	.00089	.00018	.0001
%RSD	22.237	50.949	1.0138	114.07	10.117	.14156	.01207
#1	-.00700	.00576	.25427	.00157	.00821	.12584	1.2310
#2	-.00510	.00271	.25794	.00017	.00947	.12609	1.2312
Errors	NOCHECK	NOCHECK	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High			50.000	10.000	10.000	5.0000	5.0000
Low			-.00500	-.01000	-.04000	-.00500	-.00500

Elem	Tl1908	V_2924	Zn2062	Si2881

Units	ppm	ppm	ppm	ppm
Avge	-.00099	.13290	.25314	1.8231
SDev	.00349	.00026	.00021	.0086
%RSD	352.70	.19623	.08168	.46934
#1	.00148	.13272	.25328	1.8170
#2	-.00346	.13309	.25299	1.8291
Errors	LC Pass	LC Pass	LC Pass	LC Pass
High	20.000	100.00	20.000	100.00
Low	-.01000	-.00500	-.02000	-.20000

IntStd	1	2	3	4	5	6	7
Mode	*Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	128769	--	--	--	--	--	--
SDev	192.3330	--	--	--	--	--	--
%RSD	.1493628	--	--	--	--	--	--
#1	128633	--	--	--	--	--	--
#2	128905	--	--	--	--	--	--

Method: P50930A Sample Name: CCV Operator: TDS
Run Time: 09/30/11 12:27:41
Comment:
Mode: CONC Corr. Factor: 1

Elem	Ag3280	Al3082	As1890	B_2496	Ba4934	Be3130	Ca3179
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.50380	49.848	.51053	.50249	.50027	.50010	25.572
SDev	.00002	.139	.00071	.00040	.00106	.00055	.045
%RSD	.00407	.27881	.13883	.07965	.21290	.11022	.17621
#1	.50378	49.946	.51003	.50221	.50102	.49971	25.540
#2	.50381	49.750	.51103	.50277	.49951	.50049	25.604
Errors	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass
Value	.50000	50.000	.50000	.50000	.50000	.50000	25.000
Range	10.000	10.000	10.000	10.000	10.000	10.000	10.000

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664	Mg2790
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.50354	.50024	.50149	.50563	25.092	51.581	25.236
SDev	.00105	.00051	.00098	.00093	.038	.135	.019
%RSD	.20910	.10230	.19603	.18422	.15197	.26147	.07528
#1	.50279	.49988	.50080	.50628	25.065	51.677	25.223
#2	.50428	.50061	.50219	.50497	25.119	51.486	25.250
Errors	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass
Value	.50000	.50000	.50000	.50000	25.000	50.000	25.000
Range	10.000	10.000	10.000	10.000	10.000	10.000	10.000

Elem	Mn2576	Mo2020	Na5889	Ni2316	2203/1	2203/2	Sb2068
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	5.1454	.50097	25.865	.50523	.49974	.51176	.51057
SDev	.0058	.00163	.081	.00007	.00287	.00273	.00011
%RSD	.11218	.32515	.31371	.01444	.57382	.53303	.02164
#1	5.1413	.49982	25.922	.50528	.49771	.51369	.51064
#2	5.1495	.50212	25.808	.50518	.50176	.50983	.51049
Errors	QC Pass	QC Pass	QC Pass	QC Pass	NOCHECK	NOCHECK	QC Pass
Value	5.0000	.50000	25.000	.50000			.50000
Range	10.000	10.000	10.000	10.000			10.000

Elem	1960/1	1960/2	Pb2203	Se1960	Sn1899	Sr4215	Ti3349
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.49600	.49609	.50783	.49612	.49918	.50364	.51284
SDev	.00165	.00008	.00084	.00050	.00085	.00074	.00001
%RSD	.33352	.01665	.16535	.10009	.17017	.14654	.00201
#1	.49483	.49614	.50842	.49577	.49858	.50416	.51283
#2	.49717	.49603	.50724	.49647	.49979	.50312	.51285
Errors	NOCHECK	NOCHECK	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass
Value			.50000	.50000	.50000	.50000	.50000
Range			10.000	10.000	10.000	10.000	10.000

Elem	Tl1908	V_2924	Zn2062	Si2881

Units	ppm	ppm	ppm	ppm
Avge	.51558	5.0515	.49496	.51247
SDev	.00432	.0025	.00213	.00157
%RSD	.83698	.04877	.42924	.30570
#1	.51863	5.0498	.49346	.51358
#2	.51253	5.0533	.49646	.51136
Errors	QC Pass	QC Pass	QC Pass	QC Pass
Value	.50000	5.0000	.50000	.50000
Range	10.000	10.000	10.000	10.000

IntStd	1	2	3	4	5	6	7
Mode	*Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	124543	--	--	--	--	--	--
SDev	404.4651	--	--	--	--	--	--
%RSD	.3247594	--	--	--	--	--	--
#1	124829	--	--	--	--	--	--
#2	124257	--	--	--	--	--	--

Method: P50930A Sample Name: CCB Operator: TDS
Run Time: 09/30/11 12:34:06
Comment:
Mode: CONC Corr. Factor: 1

Elem	Ag3280	Al3082	As1890	B_2496	Ba4934	Be3130	Ca3179
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.00002	.01302	.00041	.00111	.00010	.00008	.00363
SDev	.00021	.00438	.00001	.00009	.00001	.00002	.00068
%RSD	1277.3	33.625	1.1340	8.2825	11.500	28.911	18.671
#1	-.00016	.00992	.00042	.00105	.00009	.00007	.00315
#2	.00013	.01612	.00041	.00118	.00011	.00010	.00411
Errors	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass
Value	.00000	.00000	.00000	.00000	.00000	.00000	.00000
Range	.00500	.20000	.01000	.05000	.01000	.00400	.20000

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664	Mg2790
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.00008	.00036	.00008	-.00016	.01689	.00849	.01044
SDev	.00016	.00029	.00053	.00011	.00851	.00023	.00156
%RSD	210.36	80.588	633.70	65.485	50.368	2.7034	14.897
#1	.00019	.00015	.00046	-.00024	.02290	.00865	.00934
#2	-.00004	.00056	-.00029	-.00009	.01087	.00832	.01154
Errors	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass
Value	.00000	.00000	.00000	.00000	.00000	.00000	.00000
Range	.00200	.00500	.01000	.01000	.20000	.50000	.10000

Elem	Mn2576	Mo2020	Na5889	Ni2316	2203/1	2203/2	Sb2068
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.00026	.00128	.00165	.00006	-.00253	.00033	.00131
SDev	.00027	.00057	.00126	.00033	.00221	.00065	.00014
%RSD	105.72	44.574	76.280	602.07	87.470	199.84	10.594
#1	.00006	.00169	.00076	.00029	-.00409	-.00014	.00121
#2	.00045	.00088	.00255	-.00018	-.00096	.00079	.00140
Errors	QC Pass	QC Pass	QC Pass	QC Pass	NOCHECK	NOCHECK	QC Pass
Value	.00000	.00000	.00000	.00000			.00000
Range	.01000	.01000	1.0000	.01000			.02000

Elem	1960/1	1960/2	Pb2203	Se1960	Sn1899	Sr4215	Ti3349
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.00142	.00180	-.00055	.00079	-.00049	.00006	.00019
SDev	.00204	.00038	.00117	.00042	.00020	.00002	.00012
%RSD	143.64	21.320	215.17	53.873	41.688	34.185	59.167
#1	.00002	.00153	-.00138	.00109	-.00034	.00004	.00011
#2	-.00286	.00207	.00028	.00049	-.00063	.00007	.00027
Errors	NOCHECK	NOCHECK	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass
Value			.00000	.00000	.00000	.00000	.00000
Range			.00500	.01000	.04000	.00500	.00500

Elem	Tl1908	V_2924	Zn2062	Si2881

Units	ppm	ppm	ppm	ppm
Avge	.00100	.00007	.00007	-.00015
SDev	.00074	.00035	.00005	.00037
%RSD	74.042	497.68	70.590	246.10
#1	.00152	-.00018	.00004	-.00041
#2	.00048	.00032	.00011	.00011
Errors	QC Pass	QC Pass	QC Pass	QC Pass
Value	.00000	.00000	.00000	.00000
Range	.01000	.00500	.02000	.20000

IntStd	1	2	3	4	5	6	7
Mode	*Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	126636	--	--	--	--	--	--
SDev	333.0473	--	--	--	--	--	--
%RSD	.2629968	--	--	--	--	--	--
#1	126871	--	--	--	--	--	--
#2	126400	--	--	--	--	--	--

Method: P50930A Sample Name: 510-70452-G-8-A Operator: TDS
Run Time: 09/30/11 12:40:31
Comment:
Mode: CONC Corr. Factor: 1

Elem	Ag3280	Al3082	As1890	B_2496	Ba4934	Be3130	Ca3179
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.00021	19.792	.00801	.00719	.12498	.00113	1.7868
SDev	.00007	.092	.00019	.00052	.00025	.00001	.0037
%RSD	31.750	.46692	2.3981	7.2883	.19909	.51851	.20779
#1	.00026	19.727	.00815	.00757	.12516	.00114	1.7842
#2	.00017	19.858	.00787	.00682	.12480	.00113	1.7895
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	5.0000	600.00	10.000	20.000	20.000	10.000	1000.0
Low	-.00500	-.20000	-.01000	-.05000	-.01000	-.00400	-.20000

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664	Mg2790
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.00046	.01402	.02703	.02279	29.860	1.3752	4.3651
SDev	.00009	.00033	.00004	.00015	.005	.0121	.0011
%RSD	19.769	2.3600	.14678	.66845	.01676	.87720	.02493
#1	-.00052	.01378	.02700	.02269	29.864	1.3666	4.3659
#2	-.00040	.01425	.02705	.02290	29.857	1.3837	4.3644
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	10.000	50.000	50.000	20.000	1000.0	600.00	1000.0
Low	-.00200	-.00500	-.01000	-.01000	-.20000	-.50000	-.10000

Elem	Mn2576	Mo2020	Na5889	Ni2316	2203/1	2203/2	Sb2068
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.79138	.00127	1.0867	.03710	.01965	.01808	.00302
SDev	.00005	.00106	.0068	.00080	.00197	.00170	.00104
%RSD	.00634	82.946	.62994	2.1650	10.023	9.4048	34.417
#1	.79134	.00053	1.0819	.03767	.01826	.01928	.00375
#2	.79141	.00202	1.0915	.03653	.02105	.01687	.00229
Errors	LC Pass	LC Pass	LC Pass	LC Pass	NOCHECK	NOCHECK	LC Pass
High	10.000	20.000	50.000	50.000			20.000
Low	-.01000	-.01000	-1.0000	-.01000			-.02000

Elem	1960/1	1960/2	Pb2203	Se1960	Sn1899	Sr4215	Ti3349
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.00616	.00460	.01868	.00107	.00973	.01907	.85119
SDev	.00044	.00002	.00048	.00014	.00098	.00001	.00012
%RSD	7.1758	.37662	2.5541	12.654	10.118	.07451	.01373
#1	-.00584	.00458	.01902	.00117	.00904	.01908	.85110
#2	-.00647	.00461	.01834	.00098	.01043	.01906	.85127
Errors	NOCHECK	NOCHECK	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High			50.000	10.000	10.000	5.0000	5.0000
Low			-.00500	-.01000	-.04000	-.00500	-.00500

Elem	Tl1908	V_2924	Zn2062	Si2881

Units	ppm	ppm	ppm	ppm
Avge	.00077	.04734	.07031	1.2052
SDev	.00148	.00002	.00027	.0033
%RSD	191.92	.04328	.37832	.27122
#1	-.00027	.04736	.07012	1.2028
#2	.00181	.04733	.07050	1.2075
Errors	LC Pass	LC Pass	LC Pass	LC Pass
High	20.000	100.00	20.000	100.00
Low	-.01000	-.00500	-.02000	-.20000

IntStd	1	2	3	4	5	6	7
Mode	*Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	129745	--	--	--	--	--	--
SDev	636.3961	--	--	--	--	--	--
%RSD	.4904976	--	--	--	--	--	--
#1	129295	--	--	--	--	--	--
#2	130195	--	--	--	--	--	--

Method: P50930A Sample Name: 510-70452-G-9-A Operator: TDS
Run Time: 09/30/11 12:46:55
Comment:
Mode: CONC Corr. Factor: 1

Elem	Ag3280	Al3082	As1890	B_2496	Ba4934	Be3130	Ca3179
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.00002	23.404	.03448	.02141	.06218	.00144	744.25
SDev	.00032	.046	.00158	.00076	.00008	.00001	2.71
%RSD	1848.7	.19456	4.5710	3.5547	.13200	.42228	.36458
#1	.00024	23.371	.03559	.02195	.06212	.00144	746.16
#2	-.00021	23.436	.03336	.02087	.06224	.00144	742.33
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	5.0000	600.00	10.000	20.000	20.000	10.000	1000.0
Low	-.00500	-.20000	-.01000	-.05000	-.01000	-.00400	-.20000

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664	Mg2790
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.00065	.03873	.07429	.05072	71.892	2.5536	158.14
SDev	.00006	.00023	.00052	.00011	.121	.0045	.17
%RSD	8.9134	.58471	.69325	.21643	.16859	.17583	.10718
#1	.00070	.03889	.07465	.05080	71.977	2.5504	158.26
#2	.00061	.03857	.07393	.05064	71.806	2.5567	158.02
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	10.000	50.000	50.000	20.000	1000.0	600.00	1000.0
Low	-.00200	-.00500	-.01000	-.01000	-.20000	-.50000	-.10000

Elem	Mn2576	Mo2020	Na5889	Ni2316	2203/1	2203/2	Sb2068
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	2.8790	-.00018	1.2113	.09687	.02797	.03114	.00323
SDev	.0053	.00002	.0081	.00035	.00086	.00232	.00184
%RSD	.18336	8.2476	.67082	.36475	3.0889	7.4402	56.984
#1	2.8827	-.00019	1.2055	.09712	.02858	.03278	.00453
#2	2.8752	-.00017	1.2170	.09662	.02736	.02950	.00193
Errors	LC Pass	LC Pass	LC Pass	LC Pass	NOCHECK	NOCHECK	LC Pass
High	10.000	20.000	50.000	50.000			20.000
Low	-.01000	-.01000	-1.0000	-.01000			-.02000

Elem	1960/1	1960/2	Pb2203	Se1960	Sn1899	Sr4215	Ti3349
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.00618	.00119	.03016	-.00120	.00925	.50994	1.0458
SDev	.00323	.00275	.00183	.00291	.00005	.00029	.0018
%RSD	52.223	230.65	6.0781	242.33	.54371	.05731	.16980
#1	-.00390	.00314	.03146	.00086	.00929	.50973	1.0445
#2	-.00847	-.00075	.02886	-.00326	.00922	.51015	1.0470
Errors	NOCHECK	NOCHECK	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High			50.000	10.000	10.000	5.0000	5.0000
Low			-.00500	-.01000	-.04000	-.00500	-.00500

Elem	Tl1908	V_2924	Zn2062	Si2881

Units	ppm	ppm	ppm	ppm
Avge	.00025	.08573	.15447	1.3593
SDev	.00002	.00119	.00099	.0079
%RSD	7.3786	1.3876	.64309	.58302
#1	.00026	.08657	.15517	1.3649
#2	.00024	.08489	.15377	1.3537
Errors	LC Pass	LC Pass	LC Pass	LC Pass
High	20.000	100.00	20.000	100.00
Low	-.01000	-.00500	-.02000	-.20000

IntStd	1	2	3	4	5	6	7
Mode	*Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	121124	--	--	--	--	--	--
SDev	628.6179	--	--	--	--	--	--
%RSD	.5189850	--	--	--	--	--	--
#1	120680	--	--	--	--	--	--
#2	121569	--	--	--	--	--	--

Method: P50930A Sample Name: 510-70542-G-9-ASD@5 Operator: TDS
Run Time: 09/30/11 12:53:19
Comment:
Mode: CONC Corr. Factor: 1

Elem	Ag3280	Al3082	As1890	B_2496	Ba4934	Be3130	Ca3179
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.00058	4.6314	.00721	.00419	.01274	.00027	156.75
SDev	.00015	.0041	.00000	.00016	.00002	.00001	.22
%RSD	26.464	.08805	.01603	3.7785	.13512	4.0637	.14172
#1	.00047	4.6343	.00721	.00408	.01275	.00028	156.59
#2	.00069	4.6285	.00721	.00430	.01272	.00026	156.91
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	5.0000	600.00	10.000	20.000	20.000	10.000	1000.0
Low	-.00500	-.20000	-.01000	-.05000	-.01000	-.00400	-.20000

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664	Mg2790
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.00009	.00833	.01557	.00995	15.255	.42641	32.120
SDev	.00008	.00018	.00033	.00006	.013	.01438	.017
%RSD	90.890	2.1555	2.1447	.61247	.08410	3.3728	.05391
#1	-.00003	.00820	.01534	.00999	15.246	.41624	32.107
#2	-.00014	.00846	.01581	.00991	15.264	.43658	32.132
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	10.000	50.000	50.000	20.000	1000.0	600.00	1000.0
Low	-.00200	-.00500	-.01000	-.01000	-.20000	-.50000	-.10000

Elem	Mn2576	Mo2020	Na5889	Ni2316	2203/1	2203/2	Sb2068
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.60635	.00059	.22111	.02071	.00638	.00642	.00177
SDev	.00069	.00104	.00043	.00012	.00122	.00084	.00140
%RSD	.11445	176.64	.19418	.57040	19.203	13.115	79.282
#1	.60586	-.00015	.22080	.02062	.00724	.00702	.00078
#2	.60684	.00132	.22141	.02079	.00551	.00582	.00276
Errors	LC Pass	LC Pass	LC Pass	LC Pass	NOCHECK	NOCHECK	LC Pass
High	10.000	20.000	50.000	50.000			20.000
Low	-.01000	-.01000	-1.0000	-.01000			-.02000

Elem	1960/1	1960/2	Pb2203	Se1960	Sn1899	Sr4215	Ti3349
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.00226	.00037	.00650	-.00044	.00295	.10429	.21479
SDev	.00107	.00075	.00097	.00015	.00065	.00007	.00044
%RSD	47.464	204.35	14.907	32.869	21.963	.06520	.20402
#1	-.00150	-.00016	.00719	-.00055	.00249	.10434	.21510
#2	-.00302	.00090	.00582	-.00034	.00341	.10424	.21448
Errors	NOCHECK	NOCHECK	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High			50.000	10.000	10.000	5.0000	5.0000
Low			-.00500	-.01000	-.04000	-.00500	-.00500

Elem	Tl1908	V_2924	Zn2062	Si2881

Units	ppm	ppm	ppm	ppm
Avge	.00045	.01860	.03553	.32723
SDev	.00163	.00038	.00012	.00924
%RSD	361.88	2.0645	.34340	2.8245
#1	-.00070	.01833	.03561	.32069
#2	.00161	.01887	.03544	.33376
Errors	LC Pass	LC Pass	LC Pass	LC Pass
High	20.000	100.00	20.000	100.00
Low	-.01000	-.00500	-.02000	-.20000

IntStd	1	2	3	4	5	6	7
Mode	*Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	124631	--	--	--	--	--	--
SDev	373.3524	--	--	--	--	--	--
%RSD	.2995662	--	--	--	--	--	--
#1	124895	--	--	--	--	--	--
#2	124367	--	--	--	--	--	--

Method: P50930A Sample Name: 510-70452-G-9-B DU Operator: TDS
Run Time: 09/30/11 12:59:43
Comment:
Mode: CONC Corr. Factor: 1

Elem	Ag3280	Al3082	As1890	B_2496	Ba4934	Be3130	Ca3179
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.00043	16.786	.01892	.01767	.04478	.00120	654.88
SDev	.00043	.129	.00046	.00091	.00029	.00002	1.36
%RSD	98.278	.77089	2.4521	5.1463	.64548	1.5268	.20802
#1	-.00073	16.878	.01860	.01703	.04498	.00121	653.92
#2	-.00013	16.695	.01925	.01831	.04457	.00119	655.85
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	5.0000	600.00	10.000	20.000	20.000	10.000	1000.0
Low	-.00500	-.20000	-.01000	-.05000	-.01000	-.00400	-.20000

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664	Mg2790
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.00033	.02849	.05595	.03530	49.178	2.0648	141.60
SDev	.00000	.00046	.00026	.00009	.027	.0202	.01
%RSD	.35172	1.6151	.45505	.25416	.05467	.97996	.00672
#1	.00033	.02816	.05577	.03524	49.159	2.0791	141.61
#2	.00033	.02881	.05613	.03536	49.197	2.0504	141.59
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	10.000	50.000	50.000	20.000	1000.0	600.00	1000.0
Low	-.00200	-.00500	-.01000	-.01000	-.20000	-.50000	-.10000

Elem	Mn2576	Mo2020	Na5889	Ni2316	2203/1	2203/2	Sb2068
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	1.9154	.00224	1.1865	.06966	.02285	.02199	.00312
SDev	.0001	.00127	.0153	.00013	.00189	.00105	.00089
%RSD	.00505	56.595	1.2870	.19273	8.2807	4.7639	28.551
#1	1.9154	.00135	1.1973	.06957	.02419	.02124	.00249
#2	1.9155	.00314	1.1757	.06976	.02151	.02273	.00375
Errors	LC Pass	LC Pass	LC Pass	LC Pass	NOCHECK	NOCHECK	LC Pass
High	10.000	20.000	50.000	50.000			20.000
Low	-.01000	-.01000	-1.0000	-.01000			-.02000

Elem	1960/1	1960/2	Pb2203	Se1960	Sn1899	Sr4215	Ti3349
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.00625	.00321	.02236	.00013	.00857	.42790	.88135
SDev	.00067	.00180	.00007	.00097	.00041	.00193	.00235
%RSD	10.679	55.881	.30215	776.79	4.7881	.45187	.26633
#1	-.00672	.00448	.02232	.00081	.00828	.42926	.88301
#2	-.00578	.00194	.02241	-.00056	.00886	.42653	.87969
Errors	NOCHECK	NOCHECK	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High			50.000	10.000	10.000	5.0000	5.0000
Low			-.00500	-.01000	-.04000	-.00500	-.00500

Elem	Tl1908	V_2924	Zn2062	Si2881

Units	ppm	ppm	ppm	ppm
Avge	-.00230	.06247	.11770	1.1633
SDev	.00055	.00084	.00035	.0044
%RSD	23.837	1.3418	.29480	.38023
#1	-.00269	.06188	.11746	1.1664
#2	-.00192	.06307	.11795	1.1602
Errors	LC Pass	LC Pass	LC Pass	LC Pass
High	20.000	100.00	20.000	100.00
Low	-.01000	-.00500	-.02000	-.20000

IntStd	1	2	3	4	5	6	7
Mode	*Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	120908	--	--	--	--	--	--
SDev	30.40559	--	--	--	--	--	--
%RSD	.0251476	--	--	--	--	--	--
#1	120930	--	--	--	--	--	--
#2	120887	--	--	--	--	--	--

Method: P50930A Sample Name: 510-70452-G-9-C MS Operator: TDS
Run Time: 09/30/11 13:06:07
Comment:
Mode: CONC Corr. Factor: 1

Elem	Ag3280	Al3082	As1890	B_2496	Ba4934	Be3130	Ca3179
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.04603	27.886	.11969	.93814	1.9165	.04726	613.15
SDev	.00001	.042	.00176	.00104	.0010	.00001	.12
%RSD	.01295	.15010	1.4692	.11046	.05192	.02504	.01986
#1	.04602	27.856	.12093	.93740	1.9158	.04727	613.23
#2	.04603	27.915	.11845	.93887	1.9172	.04725	613.06
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	5.0000	600.00	10.000	20.000	20.000	10.000	1000.0
Low	-.00500	-.20000	-.01000	-.05000	-.01000	-.00400	-.20000

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664	Mg2790
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.04528	.48217	.25594	.28404	64.643	15.599	162.24
SDev	.00027	.00025	.00022	.00036	.014	.037	.03
%RSD	.59133	.05270	.08582	.12488	.02092	.23578	.01768
#1	.04509	.48199	.25610	.28379	64.633	15.573	162.22
#2	.04547	.48235	.25579	.28430	64.653	15.625	162.26
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	10.000	50.000	50.000	20.000	1000.0	600.00	1000.0
Low	-.00200	-.00500	-.01000	-.01000	-.20000	-.50000	-.10000

Elem	Mn2576	Mo2020	Na5889	Ni2316	2203/1	2203/2	Sb2068
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	2.4261	.91999	13.196	.52961	.11663	.12140	.40256
SDev	.0011	.00033	.033	.00004	.00064	.00010	.00012
%RSD	.04532	.03550	.25111	.00687	.55204	.08172	.02851
#1	2.4253	.92022	13.173	.52959	.11617	.12133	.40265
#2	2.4268	.91976	13.220	.52964	.11708	.12147	.40248
Errors	LC Pass	LC Pass	LC Pass	LC Pass	NOCHECK	NOCHECK	LC Pass
High	10.000	20.000	50.000	50.000			20.000
Low	-.01000	-.01000	-1.0000	-.01000			-.02000

Elem	1960/1	1960/2	Pb2203	Se1960	Sn1899	Sr4215	Ti3349
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.07965	.08835	.11989	.08552	.89399	1.3406	2.0802
SDev	.00055	.00131	.00028	.00069	.00116	.0010	.0003
%RSD	.68605	1.4821	.23399	.80760	.12958	.07213	.01476
#1	.08004	.08743	.11970	.08503	.89481	1.3399	2.0804
#2	.07926	.08928	.12009	.08601	.89317	1.3413	2.0800
Errors	NOCHECK	NOCHECK	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High			50.000	10.000	10.000	5.0000	5.0000
Low			-.00500	-.01000	-.04000	-.00500	-.00500

Elem	Tl1908	V_2924	Zn2062	Si2881

Units	ppm	ppm	ppm	ppm
Avge	.09579	.56102	.54741	2.6547
SDev	.00464	.00052	.00038	.0108
%RSD	4.8451	.09243	.06916	.40857
#1	.09250	.56139	.54768	2.6624
#2	.09907	.56065	.54714	2.6470
Errors	LC Pass	LC Pass	LC Pass	LC Pass
High	20.000	100.00	20.000	100.00
Low	-.01000	-.00500	-.02000	-.20000

IntStd	1	2	3	4	5	6	7
Mode	*Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	120928	--	--	--	--	--	--
SDev	304.7630	--	--	--	--	--	--
%RSD	.2520192	--	--	--	--	--	--
#1	120713	--	--	--	--	--	--
#2	121144	--	--	--	--	--	--

Method: P50930A Sample Name: 510-70452-G-9-D MSD Operator: TDS
Run Time: 09/30/11 13:12:31
Comment:
Mode: CONC Corr. Factor: 1

Elem	Ag3280	Al3082	As1890	B_2496	Ba4934	Be3130	Ca3179
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.04487	28.220	.12360	.92413	1.9045	.04676	580.95
SDev	.00017	.038	.00161	.00131	.0006	.00012	1.55
%RSD	.38848	.13637	1.3065	.14142	.03344	.24496	.26728
#1	.04500	28.193	.12245	.92320	1.9049	.04684	582.05
#2	.04475	28.247	.12474	.92505	1.9040	.04668	579.85
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	5.0000	600.00	10.000	20.000	20.000	10.000	1000.0
Low	-.00500	-.20000	-.01000	-.05000	-.01000	-.00400	-.20000

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664	Mg2790
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.04438	.47693	.24089	.29231	74.540	16.505	139.00
SDev	.00033	.00084	.00032	.00018	.168	.029	.18
%RSD	.74065	.17650	.13474	.06013	.22575	.17847	.12867
#1	.04461	.47753	.24112	.29218	74.659	16.484	139.13
#2	.04415	.47634	.24066	.29243	74.421	16.526	138.87
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	10.000	50.000	50.000	20.000	1000.0	600.00	1000.0
Low	-.00200	-.00500	-.01000	-.01000	-.20000	-.50000	-.10000

Elem	Mn2576	Mo2020	Na5889	Ni2316	2203/1	2203/2	Sb2068
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	2.5662	.89826	12.965	.52447	.13079	.13632	.38691
SDev	.0048	.00167	.041	.00173	.00122	.00066	.00224
%RSD	.18895	.18590	.31789	.32965	.92953	.48371	.57889
#1	2.5696	.89944	12.936	.52569	.13165	.13678	.38849
#2	2.5628	.89708	12.994	.52325	.12993	.13585	.38533
Errors	LC Pass	LC Pass	LC Pass	LC Pass	NOCHECK	NOCHECK	LC Pass
High	10.000	20.000	50.000	50.000			20.000
Low	-.01000	-.01000	-1.0000	-.01000			-.02000

Elem	1960/1	1960/2	Pb2203	Se1960	Sn1899	Sr4215	Ti3349
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.07800	.08643	.13457	.08369	.87765	1.3255	2.2484
SDev	.00023	.00011	.00085	.00000	.00121	.0012	.0034
%RSD	.29463	.12765	.62801	.00389	.13808	.09412	.14903
#1	.07816	.08636	.13517	.08369	.87851	1.3264	2.2508
#2	.07784	.08651	.13397	.08369	.87679	1.3246	2.2461
Errors	NOCHECK	NOCHECK	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High			50.000	10.000	10.000	5.0000	5.0000
Low			-.00500	-.01000	-.04000	-.00500	-.00500

Elem	Tl1908	V_2924	Zn2062	Si2881

Units	ppm	ppm	ppm	ppm
Avge	.09243	.55103	.56084	2.8715
SDev	.00119	.00185	.00093	.0015
%RSD	1.2840	.33565	.16539	.05349
#1	.09159	.55234	.56150	2.8704
#2	.09327	.54973	.56019	2.8725
Errors	LC Pass	LC Pass	LC Pass	LC Pass
High	20.000	100.00	20.000	100.00
Low	-.01000	-.00500	-.02000	-.20000

IntStd	1	2	3	4	5	6	7
Mode	*Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	122258	--	--	--	--	--	--
SDev	378.3021	--	--	--	--	--	--
%RSD	.3094306	--	--	--	--	--	--
#1	121990	--	--	--	--	--	--
#2	122525	--	--	--	--	--	--

Method: P50930A Sample Name: 510-70452-G-9-A PDS Operator: TDS
Run Time: 09/30/11 13:18:54
Comment:
Mode: CONC Corr. Factor: 1

Elem	Ag3280	Al3082	As1890	B_2496	Ba4934	Be3130	Ca3179
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.04659	25.130	.13062	.96012	1.9171	.04660	741.52
SDev	.00037	.067	.00236	.00147	.0001	.00005	2.21
%RSD	.79034	.26667	1.8071	.15313	.00495	.11412	.29795
#1	.04633	25.083	.12895	.96116	1.9172	.04664	739.95
#2	.04685	25.178	.13229	.95908	1.9170	.04657	743.08
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	5.0000	600.00	10.000	20.000	20.000	10.000	1000.0
Low	-.00500	-.20000	-.01000	-.05000	-.01000	-.00400	-.20000

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664	Mg2790
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.04507	.48131	.25558	.29749	72.014	15.069	165.83
SDev	.00023	.00107	.00032	.00036	.000	.065	.10
%RSD	.50421	.22157	.12728	.11926	.00001	.43221	.05843
#1	.04491	.48055	.25581	.29774	72.014	15.023	165.76
#2	.04523	.48206	.25535	.29724	72.014	15.115	165.90
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	10.000	50.000	50.000	20.000	1000.0	600.00	1000.0
Low	-.00200	-.00500	-.01000	-.01000	-.20000	-.50000	-.10000

Elem	Mn2576	Mo2020	Na5889	Ni2316	2203/1	2203/2	Sb2068
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	3.3110	.94142	13.336	.54369	.11982	.12559	.47598
SDev	.0015	.00180	.034	.00032	.00024	.00125	.00099
%RSD	.04408	.19130	.25583	.05811	.20181	.99428	.20847
#1	3.3100	.94015	13.312	.54391	.11965	.12647	.47528
#2	3.3120	.94269	13.360	.54347	.11999	.12470	.47668
Errors	LC Pass	LC Pass	LC Pass	LC Pass	NOCHECK	NOCHECK	LC Pass
High	10.000	20.000	50.000	50.000			20.000
Low	-.01000	-.01000	-1.0000	-.01000			-.02000

Elem	1960/1	1960/2	Pb2203	Se1960	Sn1899	Sr4215	Ti3349
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.08175	.08824	.12376	.08615	.91765	1.4389	1.9824
SDev	.00136	.00097	.00075	.00019	.00059	.0001	.0037
%RSD	1.6650	1.0945	.60755	.22063	.06381	.00503	.18420
#1	.08271	.08756	.12429	.08601	.91806	1.4388	1.9799
#2	.08079	.08893	.12323	.08628	.91723	1.4389	1.9850
Errors	NOCHECK	NOCHECK	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High			50.000	10.000	10.000	5.0000	5.0000
Low			-.00500	-.01000	-.04000	-.00500	-.00500

Elem	Tl1908	V_2924	Zn2062	Si2881

Units	ppm	ppm	ppm	ppm
Avge	.09656	.55458	.57110	6.1786
SDev	.00388	.00099	.00079	.0172
%RSD	4.0187	.17849	.13833	.27821
#1	.09382	.55388	.57054	6.1664
#2	.09931	.55528	.57166	6.1907
Errors	LC Pass	LC Pass	LC Pass	LC Pass
High	20.000	100.00	20.000	100.00
Low	-.01000	-.00500	-.02000	-.20000

IntStd	1	2	3	4	5	6	7
Mode	*Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	121180	--	--	--	--	--	--
SDev	84.14571	--	--	--	--	--	--
%RSD	.0694389	--	--	--	--	--	--
#1	121120	--	--	--	--	--	--
#2	121239	--	--	--	--	--	--

Method: P50930A Sample Name: 510-70452-G-10-A Operator: TDS
Run Time: 09/30/11 13:25:18
Comment:
Mode: CONC Corr. Factor: 1

Elem	Ag3280	Al3082	As1890	B_2496	Ba4934	Be3130	Ca3179
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.00025	8.9974	.01420	.01241	.03415	.00084	261.02
SDev	.00010	.0065	.00064	.00001	.00004	.00000	.20
%RSD	37.842	.07263	4.5301	.07159	.11394	.12420	.07659
#1	-.00032	8.9927	.01375	.01242	.03412	.00084	260.88
#2	-.00018	9.0020	.01466	.01241	.03418	.00084	261.16
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	5.0000	600.00	10.000	20.000	20.000	10.000	1000.0
Low	-.00500	-.20000	-.01000	-.05000	-.01000	-.00400	-.20000

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664	Mg2790
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.00015	.01591	.02647	.02255	30.138	1.3646	61.427
SDev	.00022	.00001	.00007	.00019	.010	.0043	.006
%RSD	142.82	.08419	.25759	.84246	.03196	.31794	.01048
#1	-.00031	.01592	.02642	.02242	30.131	1.3676	61.423
#2	.00000	.01590	.02652	.02269	30.145	1.3615	61.432
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	10.000	50.000	50.000	20.000	1000.0	600.00	1000.0
Low	-.00200	-.00500	-.01000	-.01000	-.20000	-.50000	-.10000

Elem	Mn2576	Mo2020	Na5889	Ni2316	2203/1	2203/2	Sb2068
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	1.0763	.00260	.70776	.03867	.01942	.01838	.00316
SDev	.0001	.00017	.00023	.00023	.00136	.00150	.00098
%RSD	.01355	6.6131	.03319	.60316	6.9942	8.1559	30.924
#1	1.0762	.00248	.70760	.03883	.01846	.01732	.00247
#2	1.0764	.00272	.70793	.03850	.02038	.01944	.00385
Errors	LC Pass	LC Pass	LC Pass	LC Pass	NOCHECK	NOCHECK	LC Pass
High	10.000	20.000	50.000	50.000			20.000
Low	-.01000	-.01000	-1.0000	-.01000			-.02000

Elem	1960/1	1960/2	Pb2203	Se1960	Sn1899	Sr4215	Ti3349
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.00734	.00316	.01883	-.00028	.00981	.19256	.66989
SDev	.00124	.00056	.00145	.00004	.00082	.00008	.00024
%RSD	16.826	17.639	7.7141	14.570	8.3162	.04233	.03643
#1	-.00822	.00355	.01780	-.00031	.01039	.19262	.67006
#2	-.00647	.00276	.01985	-.00025	.00924	.19250	.66972
Errors	NOCHECK	NOCHECK	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High			50.000	10.000	10.000	5.0000	5.0000
Low			-.00500	-.01000	-.04000	-.00500	-.00500

Elem	Tl1908	V_2924	Zn2062	Si2881

Units	ppm	ppm	ppm	ppm
Avge	-.00044	.04115	.07694	.95955
SDev	.00030	.00022	.00032	.00170
%RSD	68.613	.53393	.41826	.17768
#1	-.00066	.04099	.07671	.95834
#2	-.00023	.04130	.07716	.96075
Errors	LC Pass	LC Pass	LC Pass	LC Pass
High	20.000	100.00	20.000	100.00
Low	-.01000	-.00500	-.02000	-.20000

IntStd	1	2	3	4	5	6	7
Mode	*Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	124176	--	--	--	--	--	--
SDev	102.5305	--	--	--	--	--	--
%RSD	.0825690	--	--	--	--	--	--
#1	124103	--	--	--	--	--	--
#2	124248	--	--	--	--	--	--

Method: P50930A Sample Name: 510-70452-G-11-A Operator: TDS
Run Time: 09/30/11 13:31:42
Comment:
Mode: CONC Corr. Factor: 1

Elem	Ag3280	Al3082	As1890	B_2496	Ba4934	Be3130	Ca3179
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.00010	12.097	.01743	.01460	.03921	.00111	271.89
SDev	.00001	.020	.00018	.00118	.00007	.00000	1.02
%RSD	11.935	.16264	1.0304	8.0690	.17665	.28062	.37605
#1	-.00010	12.111	.01756	.01543	.03916	.00111	271.17
#2	-.00009	12.083	.01731	.01377	.03926	.00112	272.61
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	5.0000	600.00	10.000	20.000	20.000	10.000	1000.0
Low	-.00500	-.20000	-.01000	-.05000	-.01000	-.00400	-.20000

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664	Mg2790
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.00010	.01394	.02754	.03267	40.393	1.8518	73.385
SDev	.00017	.00042	.00044	.00026	.095	.0066	.159
%RSD	171.36	3.0432	1.6017	.78874	.23451	.35685	.21672
#1	-.00022	.01364	.02723	.03285	40.326	1.8471	73.273
#2	.00002	.01424	.02786	.03249	40.460	1.8564	73.498
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	10.000	50.000	50.000	20.000	1000.0	600.00	1000.0
Low	-.00200	-.00500	-.01000	-.01000	-.20000	-.50000	-.10000

Elem	Mn2576	Mo2020	Na5889	Ni2316	2203/1	2203/2	Sb2068
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.90905	.00047	.99494	.03271	.02496	.02396	.00307
SDev	.00209	.00044	.00221	.00036	.00093	.00115	.00159
%RSD	.23001	93.089	.22209	1.0955	3.7253	4.7944	51.842
#1	.90757	.00016	.99650	.03246	.02430	.02315	.00194
#2	.91053	.00079	.99338	.03296	.02562	.02477	.00420
Errors	LC Pass	LC Pass	LC Pass	LC Pass	NOCHECK	NOCHECK	LC Pass
High	10.000	20.000	50.000	50.000			20.000
Low	-.01000	-.01000	-1.0000	-.01000			-.02000

Elem	1960/1	1960/2	Pb2203	Se1960	Sn1899	Sr4215	Ti3349
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.00792	.00239	.02437	-.00098	.01080	.20555	.86980
SDev	.00284	.00061	.00108	.00054	.00084	.00004	.00149
%RSD	35.833	25.723	4.4153	54.553	7.7903	.02050	.17122
#1	-.00993	.00283	.02361	-.00136	.01021	.20558	.86875
#2	-.00592	.00196	.02513	-.00060	.01140	.20552	.87085
Errors	NOCHECK	NOCHECK	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High			50.000	10.000	10.000	5.0000	5.0000
Low			-.00500	-.01000	-.04000	-.00500	-.00500

Elem	Tl1908	V_2924	Zn2062	Si2881

Units	ppm	ppm	ppm	ppm
Avge	-.00003	.06131	.14909	1.1336
SDev	.00005	.00060	.00083	.0052
%RSD	157.38	.98322	.55863	.46238
#1	-.00006	.06088	.14850	1.1299
#2	.00000	.06173	.14968	1.1373
Errors	LC Pass	LC Pass	LC Pass	LC Pass
High	20.000	100.00	20.000	100.00
Low	-.01000	-.00500	-.02000	-.20000

IntStd	1	2	3	4	5	6	7
Mode	*Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	125242	--	--	--	--	--	--
SDev	56.56854	--	--	--	--	--	--
%RSD	.0451674	--	--	--	--	--	--
#1	125282	--	--	--	--	--	--
#2	125202	--	--	--	--	--	--

Method: P50930A Sample Name: 510-70452-G-12-A Operator: TDS
Run Time: 09/30/11 13:38:06
Comment:
Mode: CONC Corr. Factor: 1

Elem	Ag3280	Al3082	As1890	B_2496	Ba4934	Be3130	Ca3179
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.00011	84.321	.02880	.01523	.49268	.00355	12.338
SDev	.00010	.392	.00030	.00027	.00121	.00002	.010
%RSD	97.426	.46489	1.0542	1.7975	.24642	.52728	.07855
#1	.00018	84.599	.02901	.01542	.49354	.00357	12.345
#2	.00003	84.044	.02858	.01504	.49183	.00354	12.332
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	5.0000	600.00	10.000	20.000	20.000	10.000	1000.0
Low	-.00500	-.20000	-.01000	-.05000	-.01000	-.00400	-.20000

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664	Mg2790
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.00128	.03709	.09077	.04722	86.958	5.7281	9.9702
SDev	.00010	.00011	.00021	.00008	.070	.0364	.0294
%RSD	8.0664	.28878	.22733	.16945	.08045	.63461	.29469
#1	-.00120	.03702	.09062	.04716	87.007	5.7539	9.9910
#2	-.00135	.03717	.09091	.04727	86.908	5.7024	9.9494
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	10.000	50.000	50.000	20.000	1000.0	600.00	1000.0
Low	-.00200	-.00500	-.01000	-.01000	-.20000	-.50000	-.10000

Elem	Mn2576	Mo2020	Na5889	Ni2316	2203/1	2203/2	Sb2068
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	3.1588	.00319	.63440	.06967	.05195	.05628	.00300
SDev	.0032	.00041	.00441	.00046	.00155	.00129	.00064
%RSD	.10114	12.785	.69556	.65475	2.9889	2.2912	21.274
#1	3.1610	.00348	.63752	.06935	.05304	.05720	.00255
#2	3.1565	.00290	.63128	.06999	.05085	.05537	.00345
Errors	LC Pass	LC Pass	LC Pass	LC Pass	NOCHECK	NOCHECK	LC Pass
High	10.000	20.000	50.000	50.000			20.000
Low	-.01000	-.01000	-1.0000	-.01000			-.02000

Elem	1960/1	1960/2	Pb2203	Se1960	Sn1899	Sr4215	Ti3349
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.00546	.00664	.05493	.00267	.00748	.08210	1.3833
SDev	.00023	.00039	.00138	.00018	.00005	.00018	.0032
%RSD	4.2962	5.8812	2.5076	6.8214	.70503	.22235	.23458
#1	-.00529	.00636	.05591	.00254	.00751	.08223	1.3856
#2	-.00563	.00691	.05396	.00280	.00744	.08197	1.3810
Errors	NOCHECK	NOCHECK	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High			50.000	10.000	10.000	5.0000	5.0000
Low			-.00500	-.01000	-.04000	-.00500	-.00500

Elem	Tl1908	V_2924	Zn2062	Si2881

Units	ppm	ppm	ppm	ppm
Avge	.00051	.16969	.22565	1.8986
SDev	.00002	.00015	.00034	.0175
%RSD	3.1790	.08765	.14939	.92220
#1	.00050	.16980	.22541	1.9110
#2	.00052	.16959	.22589	1.8862
Errors	LC Pass	LC Pass	LC Pass	LC Pass
High	20.000	100.00	20.000	100.00
Low	-.01000	-.00500	-.02000	-.20000

IntStd	1	2	3	4	5	6	7
Mode	*Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	129277	--	--	--	--	--	--
SDev	272.9432	--	--	--	--	--	--
%RSD	.2111305	--	--	--	--	--	--
#1	129084	--	--	--	--	--	--
#2	129470	--	--	--	--	--	--

Method: P50930A Sample Name: CCV Operator: TDS
Run Time: 09/30/11 13:46:33
Comment:
Mode: CONC Corr. Factor: 1

Elem	Ag3280	Al3082	As1890	B_2496	Ba4934	Be3130	Ca3179
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.50123	49.584	.50714	.50212	.49700	.49737	25.379
SDev	.00014	.155	.00096	.00038	.00055	.00004	.001
%RSD	.02831	.31293	.18868	.07589	.11088	.00774	.00283
#1	.50113	49.694	.50647	.50239	.49661	.49740	25.379
#2	.50133	49.474	.50782	.50185	.49739	.49734	25.378
Errors	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass
Value	.50000	50.000	.50000	.50000	.50000	.50000	25.000
Range	10.000	10.000	10.000	10.000	10.000	10.000	10.000

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664	Mg2790
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.49895	.49650	.49782	.50447	24.920	51.454	25.079
SDev	.00041	.00049	.00030	.00016	.021	.137	.023
%RSD	.08130	.09847	.05973	.03125	.08557	.26661	.09316
#1	.49866	.49684	.49803	.50436	24.905	51.551	25.096
#2	.49924	.49615	.49761	.50459	24.935	51.357	25.063
Errors	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass
Value	.50000	.50000	.50000	.50000	25.000	50.000	25.000
Range	10.000	10.000	10.000	10.000	10.000	10.000	10.000

Elem	Mn2576	Mo2020	Na5889	Ni2316	2203/1	2203/2	Sb2068
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	5.1139	.49874	25.868	.50214	.49819	.50841	.50877
SDev	.0009	.00206	.076	.00045	.00019	.00172	.00187
%RSD	.01765	.41294	.29477	.08918	.03784	.33939	.36745
#1	5.1145	.49729	25.922	.50245	.49806	.50719	.51009
#2	5.1132	.50020	25.814	.50182	.49833	.50963	.50745
Errors	QC Pass	QC Pass	QC Pass	QC Pass	NOCHECK	NOCHECK	QC Pass
Value	5.0000	.50000	25.000	.50000			.50000
Range	10.000	10.000	10.000	10.000			10.000

Elem	1960/1	1960/2	Pb2203	Se1960	Sn1899	Sr4215	Ti3349
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.49236	.49544	.50510	.49448	.49521	.50028	.51058
SDev	.00594	.00164	.00121	.00307	.00105	.00000	.00004
%RSD	1.2060	.33122	.24022	.62155	.21150	.00049	.00818
#1	.48817	.49428	.50424	.49231	.49595	.50028	.51055
#2	.49656	.49660	.50596	.49665	.49447	.50028	.51061
Errors	NOCHECK	NOCHECK	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass
Value			.50000	.50000	.50000	.50000	.50000
Range			10.000	10.000	10.000	10.000	10.000

Elem	Tl1908	V_2924	Zn2062	Si2881

Units	ppm	ppm	ppm	ppm
Avge	.51120	5.0199	.49075	.50912
SDev	.00073	.0022	.00088	.00041
%RSD	.14238	.04477	.18020	.07986
#1	.51171	5.0215	.49012	.50883
#2	.51068	5.0183	.49137	.50940
Errors	QC Pass	QC Pass	QC Pass	QC Pass
Value	.50000	5.0000	.50000	.50000
Range	10.000	10.000	10.000	10.000

IntStd	1	2	3	4	5	6	7
Mode	*Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	125587	--	--	--	--	--	--
SDev	284.2569	--	--	--	--	--	--
%RSD	.2263426	--	--	--	--	--	--
#1	125788	--	--	--	--	--	--
#2	125386	--	--	--	--	--	--

Method: P50930A Sample Name: CCB Operator: TDS
Run Time: 09/30/11 13:52:46
Comment:
Mode: CONC Corr. Factor: 1

Elem	Ag3280	Al3082	As1890	B_2496	Ba4934	Be3130	Ca3179
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.00005	.01294	-.00005	.00082	.00005	.00007	.00397
SDev	.00007	.00467	.00082	.00013	.00006	.00003	.00223
%RSD	142.99	36.117	1798.4	15.972	126.12	48.818	56.309
#1	-.00010	.01624	.00054	.00073	.00009	.00009	.00554
#2	.00000	.00963	-.00063	.00091	.00001	.00005	.00239
Errors	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass
Value	.00000	.00000	.00000	.00000	.00000	.00000	.00000
Range	.00500	.20000	.01000	.05000	.01000	.00400	.20000

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664	Mg2790
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.00009	.00017	.00011	-.00055	.01017	.01120	.00837
SDev	.00002	.00025	.00000	.00014	.01117	.01006	.00680
%RSD	15.875	145.04	.10476	25.890	109.93	89.810	81.235
#1	.00008	.00035	.00011	-.00045	.01807	.01831	.01318
#2	.00011	-.00000	.00011	-.00065	.00226	.00409	.00356
Errors	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass
Value	.00000	.00000	.00000	.00000	.00000	.00000	.00000
Range	.00200	.00500	.01000	.01000	.20000	.50000	.10000

Elem	Mn2576	Mo2020	Na5889	Ni2316	2203/1	2203/2	Sb2068
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.00018	.00098	.00037	-.00016	-.00125	.00023	.00103
SDev	.00023	.00018	.00145	.00037	.00116	.00156	.00144
%RSD	131.18	18.541	395.45	229.83	93.237	690.03	139.82
#1	.00034	.00085	.00139	.00010	-.00207	.00133	.00204
#2	.00001	.00110	-.00066	-.00042	-.00042	-.00088	.00001
Errors	QC Pass	QC Pass	QC Pass	QC Pass	NOCHECK	NOCHECK	QC Pass
Value	.00000	.00000	.00000	.00000			.00000
Range	.01000	.01000	1.0000	.01000			.02000

Elem	1960/1	1960/2	Pb2203	Se1960	Sn1899	Sr4215	Ti3349
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.00061	.00023	-.00019	.00002	-.00006	.00006	.00010
SDev	.00235	.00081	.00065	.00024	.00121	.00002	.00019
%RSD	386.43	345.03	351.29	1426.5	1866.7	41.123	189.80
#1	-.00227	.00081	.00028	-.00015	-.00092	.00008	.00023
#2	.00105	-.00034	-.00065	.00019	.00079	.00004	-.00003
Errors	NOCHECK	NOCHECK	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass
Value			.00000	.00000	.00000	.00000	.00000
Range			.00500	.01000	.04000	.00500	.00500

Elem	Tl1908	V_2924	Zn2062	Si2881

Units	ppm	ppm	ppm	ppm
Avge	.00073	.00017	.00018	-.00200
SDev	.00078	.00028	.00030	.00141
%RSD	106.96	166.81	168.73	70.517
#1	.00129	.00037	.00039	-.00100
#2	.00018	-.00003	-.00003	-.00300
Errors	QC Pass	QC Pass	QC Pass	QC Pass
Value	.00000	.00000	.00000	.00000
Range	.01000	.00500	.02000	.20000

IntStd	1	2	3	4	5	6	7
Mode	*Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	126990	--	--	--	--	--	--
SDev	115.2584	--	--	--	--	--	--
%RSD	.0907621	--	--	--	--	--	--
#1	126908	--	--	--	--	--	--
#2	127071	--	--	--	--	--	--

Method: P50930A Sample Name: 510-70452-G-13-A Operator: TDS
Run Time: 09/30/11 13:58:58
Comment:
Mode: CONC Corr. Factor: 1

Elem	Ag3280	Al3082	As1890	B_2496	Ba4934	Be3130	Ca3179
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.00002	15.112	.00617	.00419	.09821	.00095	2.0260
SDev	.00052	.070	.00065	.00042	.00002	.00000	.0006
%RSD	3019.6	.46590	10.456	10.141	.02042	.10719	.03197
#1	.00038	15.062	.00572	.00449	.09822	.00095	2.0256
#2	-.00035	15.161	.00663	.00389	.09819	.00096	2.0265
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	5.0000	600.00	10.000	20.000	20.000	10.000	1000.0
Low	-.00500	-.20000	-.01000	-.05000	-.01000	-.00400	-.20000

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664	Mg2790
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.00026	.00941	.02128	.01086	21.553	.91045	3.0273
SDev	.00020	.00035	.00014	.00021	.003	.01214	.0002
%RSD	78.110	3.6757	.64983	1.9722	.01324	1.3331	.00557
#1	-.00011	.00917	.02118	.01101	21.555	.90187	3.0272
#2	-.00040	.00966	.02138	.01070	21.551	.91903	3.0274
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	10.000	50.000	50.000	20.000	1000.0	600.00	1000.0
Low	-.00200	-.00500	-.01000	-.01000	-.20000	-.50000	-.10000

Elem	Mn2576	Mo2020	Na5889	Ni2316	2203/1	2203/2	Sb2068
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.48175	.00144	.45108	.02440	.01339	.01246	.00133
SDev	.00028	.00178	.00258	.00013	.00043	.00297	.00123
%RSD	.05804	123.13	.57283	.51188	3.2120	23.849	92.636
#1	.48195	.00019	.44925	.02449	.01369	.01036	.00046
#2	.48155	.00270	.45290	.02432	.01308	.01456	.00220
Errors	LC Pass	LC Pass	LC Pass	LC Pass	NOCHECK	NOCHECK	LC Pass
High	10.000	20.000	50.000	50.000			20.000
Low	-.01000	-.01000	-1.0000	-.01000			-.02000

Elem	1960/1	1960/2	Pb2203	Se1960	Sn1899	Sr4215	Ti3349
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.00638	.00372	.01283	.00041	.00813	.01758	.68114
SDev	.00010	.00075	.00184	.00046	.00093	.00000	.00002
%RSD	1.6033	20.033	14.356	111.92	11.443	.01811	.00321
#1	-.00631	.00319	.01153	.00009	.00747	.01758	.68116
#2	-.00645	.00424	.01414	.00074	.00878	.01757	.68113
Errors	NOCHECK	NOCHECK	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High			50.000	10.000	10.000	5.0000	5.0000
Low			-.00500	-.01000	-.04000	-.00500	-.00500

Elem	Tl1908	V_2924	Zn2062	Si2881

Units	ppm	ppm	ppm	ppm
Avge	-.00172	.03686	.04793	1.0009
SDev	.00077	.00000	.00002	.0005
%RSD	44.702	.00293	.03778	.04806
#1	-.00118	.03686	.04795	1.0005
#2	-.00226	.03686	.04792	1.0012
Errors	LC Pass	LC Pass	LC Pass	LC Pass
High	20.000	100.00	20.000	100.00
Low	-.01000	-.00500	-.02000	-.20000

IntStd	1	2	3	4	5	6	7
Mode	*Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	128516	--	--	--	--	--	--
SDev	635.6890	--	--	--	--	--	--
%RSD	.4946361	--	--	--	--	--	--
#1	128067	--	--	--	--	--	--
#2	128966	--	--	--	--	--	--

Method: P50930A Sample Name: 510-70452-G-14-A Operator: TDS
Run Time: 09/30/11 14:05:10
Comment:
Mode: CONC Corr. Factor: 1

Elem	Ag3280	Al3082	As1890	B_2496	Ba4934	Be3130	Ca3179
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.00021	12.017	.02871	.01393	.04330	.00107	438.44
SDev	.00012	.034	.00024	.00110	.00008	.00000	.89
%RSD	55.450	.28472	.83842	7.8602	.19445	.38665	.20319
#1	.00013	12.041	.02888	.01316	.04335	.00107	437.81
#2	.00030	11.993	.02854	.01470	.04324	.00107	439.07
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	5.0000	600.00	10.000	20.000	20.000	10.000	1000.0
Low	-.00500	-.20000	-.01000	-.05000	-.01000	-.00400	-.20000

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664	Mg2790
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.00011	.02162	.03850	.03646	51.063	1.5585	90.358
SDev	.00000	.00026	.00064	.00016	.106	.0036	.001
%RSD	2.6904	1.2000	1.6747	.42995	.20672	.22950	.00061
#1	-.00011	.02144	.03804	.03635	50.989	1.5559	90.359
#2	-.00011	.02181	.03895	.03657	51.138	1.5610	90.358
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	10.000	50.000	50.000	20.000	1000.0	600.00	1000.0
Low	-.00200	-.00500	-.01000	-.01000	-.20000	-.50000	-.10000

Elem	Mn2576	Mo2020	Na5889	Ni2316	2203/1	2203/2	Sb2068
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	1.2966	.00021	.97526	.04315	.02814	.02968	.00225
SDev	.0016	.00118	.00486	.00026	.00186	.00048	.00100
%RSD	.12272	567.62	.49805	.60210	6.6236	1.6182	44.342
#1	1.2955	-.00062	.97869	.04297	.02946	.02934	.00295
#2	1.2977	.00104	.97182	.04333	.02682	.03002	.00154
Errors	LC Pass	LC Pass	LC Pass	LC Pass	NOCHECK	NOCHECK	LC Pass
High	10.000	20.000	50.000	50.000			20.000
Low	-.01000	-.01000	-1.0000	-.01000			-.02000

Elem	1960/1	1960/2	Pb2203	Se1960	Sn1899	Sr4215	Ti3349
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.00746	.00267	.02925	-.00064	.00824	.32729	.83812
SDev	.00113	.00013	.00030	.00029	.00187	.00032	.00024
%RSD	15.111	4.9842	1.0292	44.752	22.711	.09926	.02838
#1	-.00666	.00258	.02946	-.00044	.00692	.32752	.83829
#2	-.00825	.00277	.02903	-.00084	.00957	.32706	.83795
Errors	NOCHECK	NOCHECK	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High			50.000	10.000	10.000	5.0000	5.0000
Low			-.00500	-.01000	-.04000	-.00500	-.00500

Elem	Tl1908	V_2924	Zn2062	Si2881

Units	ppm	ppm	ppm	ppm
Avge	-.00215	.05867	.11279	.99515
SDev	.00237	.00037	.00026	.00131
%RSD	110.43	.62490	.23061	.13217
#1	-.00382	.05841	.11260	.99608
#2	-.00047	.05893	.11297	.99422
Errors	LC Pass	LC Pass	LC Pass	LC Pass
High	20.000	100.00	20.000	100.00
Low	-.01000	-.00500	-.02000	-.20000

IntStd	1	2	3	4	5	6	7
Mode	*Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	124788	--	--	--	--	--	--
SDev	229.8097	--	--	--	--	--	--
%RSD	.1841608	--	--	--	--	--	--
#1	124950	--	--	--	--	--	--
#2	124625	--	--	--	--	--	--

Method: P50930A Sample Name: 510-70452-G-15-A Operator: TDS
Run Time: 09/30/11 14:11:22
Comment:
Mode: CONC Corr. Factor: 1

Elem	Ag3280	Al3082	As1890	B_2496	Ba4934	Be3130	Ca3179
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.00014	11.216	.01636	.01161	.03802	.00091	276.44
SDev	.00015	.001	.00138	.00003	.00003	.00001	.13
%RSD	106.80	.00632	8.4617	.24328	.07613	1.3086	.04769
#1	-.00003	11.216	.01734	.01159	.03800	.00092	276.34
#2	-.00025	11.215	.01538	.01163	.03804	.00090	276.53
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	5.0000	600.00	10.000	20.000	20.000	10.000	1000.0
Low	-.00500	-.20000	-.01000	-.05000	-.01000	-.00400	-.20000

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664	Mg2790
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.00003	.01782	.02988	.03315	32.039	1.6531	48.464
SDev	.00005	.00000	.00033	.00011	.025	.0077	.009
%RSD	134.38	.00844	1.0912	.33462	.07917	.46435	.01875
#1	-.00000	.01782	.02965	.03307	32.057	1.6477	48.470
#2	-.00007	.01783	.03011	.03322	32.021	1.6586	48.458
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	10.000	50.000	50.000	20.000	1000.0	600.00	1000.0
Low	-.00200	-.00500	-.01000	-.01000	-.20000	-.50000	-.10000

Elem	Mn2576	Mo2020	Na5889	Ni2316	2203/1	2203/2	Sb2068
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.75223	.00197	.74969	.03691	.02270	.02237	.00317
SDev	.00021	.00002	.00070	.00071	.00046	.00225	.00138
%RSD	.02818	1.0235	.09384	1.9319	2.0062	10.069	43.493
#1	.75238	.00196	.75018	.03640	.02238	.02078	.00220
#2	.75208	.00199	.74919	.03741	.02302	.02396	.00415
Errors	LC Pass	LC Pass	LC Pass	LC Pass	NOCHECK	NOCHECK	LC Pass
High	10.000	20.000	50.000	50.000			20.000
Low	-.01000	-.01000	-1.0000	-.01000			-.02000

Elem	1960/1	1960/2	Pb2203	Se1960	Sn1899	Sr4215	Ti3349
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.00590	.00334	.02255	.00032	.00962	.20392	.64249
SDev	.00009	.00225	.00166	.00147	.00174	.00020	.00013
%RSD	1.4845	67.312	7.3566	455.21	18.124	.09661	.02053
#1	-.00584	.00175	.02137	-.00072	.01085	.20406	.64259
#2	-.00596	.00492	.02372	.00136	.00839	.20378	.64240
Errors	NOCHECK	NOCHECK	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High			50.000	10.000	10.000	5.0000	5.0000
Low			-.00500	-.01000	-.04000	-.00500	-.00500

Elem	Tl1908	V_2924	Zn2062	Si2881

Units	ppm	ppm	ppm	ppm
Avge	-.00201	.04664	.07615	1.1633
SDev	.00458	.00043	.00010	.0129
%RSD	228.32	.91989	.13017	1.1116
#1	.00123	.04633	.07608	1.1724
#2	-.00524	.04694	.07622	1.1541
Errors	LC Pass	LC Pass	LC Pass	LC Pass
High	20.000	100.00	20.000	100.00
Low	-.01000	-.00500	-.02000	-.20000

IntStd	1	2	3	4	5	6	7
Mode	*Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	124662	--	--	--	--	--	--
SDev	585.4844	--	--	--	--	--	--
%RSD	.4696575	--	--	--	--	--	--
#1	124248	--	--	--	--	--	--
#2	125076	--	--	--	--	--	--

Method: P50930A Sample Name: 510-70452-G-16-A Operator: TDS
Run Time: 09/30/11 14:17:34
Comment:
Mode: CONC Corr. Factor: 1

Elem	Ag3280	Al3082	As1890	B_2496	Ba4934	Be3130	Ca3179
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.00013	46.724	.09415	.01426	.23991	.00463	26.074
SDev	.00030	.094	.00009	.00004	.00080	.00001	.011
%RSD	239.22	.20203	.09755	.28354	.33410	.23837	.04165
#1	.00034	46.657	.09422	.01429	.23935	.00463	26.066
#2	-.00009	46.791	.09409	.01424	.24048	.00464	26.082
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	5.0000	600.00	10.000	20.000	20.000	10.000	1000.0
Low	-.00500	-.20000	-.01000	-.05000	-.01000	-.00400	-.20000

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664	Mg2790
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	L-.00254	.02853	.09921	.16759	282.42	3.3638	14.916
SDev	.00004	.00002	.00001	.00023	.34	.0166	.015
%RSD	1.6032	.07195	.01383	.13900	.12143	.49255	.10272
#1	L-.00257	.02854	.09920	.16742	282.18	3.3521	14.905
#2	L-.00251	.02851	.09922	.16775	282.66	3.3755	14.927
Errors	LC Low	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	10.000	50.000	50.000	20.000	1000.0	600.00	1000.0
Low	-.00200	-.00500	-.01000	-.01000	-.20000	-.50000	-.10000

Elem	Mn2576	Mo2020	Na5889	Ni2316	2203/1	2203/2	Sb2068
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	6.7874	-.00280	.80176	.07948	.08749	.09282	.00508
SDev	.0033	.00020	.00291	.00031	.00104	.00131	.00133
%RSD	.04901	7.1566	.36324	.39373	1.1862	1.4136	26.201
#1	6.7850	-.00266	.79970	.07925	.08822	.09189	.00602
#2	6.7897	-.00294	.80382	.07970	.08676	.09375	.00414
Errors	LC Pass	LC Pass	LC Pass	LC Pass	NOCHECK	NOCHECK	LC Pass
High	10.000	20.000	50.000	50.000			20.000
Low	-.01000	-.01000	-1.0000	-.01000			-.02000

Elem	1960/1	1960/2	Pb2203	Se1960	Sn1899	Sr4215	Ti3349
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.00017	.01151	.09113	.00779	.00992	.06538	1.0845
SDev	.00059	.00303	.00053	.00221	.00086	.00019	.0018
%RSD	338.22	26.313	.58008	28.426	8.6634	.28714	.16451
#1	-.00024	.00937	.09076	.00623	.01053	.06524	1.0832
#2	.00059	.01365	.09151	.00936	.00931	.06551	1.0857
Errors	NOCHECK	NOCHECK	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High			50.000	10.000	10.000	5.0000	5.0000
Low			-.00500	-.01000	-.04000	-.00500	-.00500

Elem	Tl1908	V_2924	Zn2062	Si2881

Units	ppm	ppm	ppm	ppm
Avge	-.00129	.31150	.28380	1.4887
SDev	.00052	.00088	.00031	.0027
%RSD	40.036	.28259	.10849	.17922
#1	-.00093	.31088	.28402	1.4868
#2	-.00166	.31212	.28358	1.4906
Errors	LC Pass	LC Pass	LC Pass	LC Pass
High	20.000	100.00	20.000	100.00
Low	-.01000	-.00500	-.02000	-.20000

IntStd	1	2	3	4	5	6	7
Mode	*Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	132442	--	--	--	--	--	--
SDev	161.9275	--	--	--	--	--	--
%RSD	.1222634	--	--	--	--	--	--
#1	132327	--	--	--	--	--	--
#2	132556	--	--	--	--	--	--

Method: P50930A Sample Name: 510-70452-G-17-A Operator: TDS
Run Time: 09/30/11 14:23:46
Comment:
Mode: CONC Corr. Factor: 1

Elem	Ag3280	Al3082	As1890	B_2496	Ba4934	Be3130	Ca3179
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.00035	35.719	.01813	.00872	.13621	.00191	4.5859
SDev	.00018	.189	.00123	.00064	.00013	.00002	.0064
%RSD	52.360	.52859	6.8028	7.3080	.09534	.82431	.13931
#1	-.00048	35.852	.01726	.00827	.13630	.00190	4.5904
#2	-.00022	35.585	.01900	.00917	.13611	.00192	4.5813
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	5.0000	600.00	10.000	20.000	20.000	10.000	1000.0
Low	-.00500	-.20000	-.01000	-.05000	-.01000	-.00400	-.20000

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664	Mg2790
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.00080	.02754	.05540	.03819	70.186	2.2116	10.671
SDev	.00021	.00035	.00012	.00013	.132	.0158	.018
%RSD	25.514	1.2847	.21306	.33081	.18739	.71515	.16554
#1	-.00095	.02779	.05548	.03828	70.279	2.2228	10.684
#2	-.00066	.02729	.05532	.03810	70.093	2.2004	10.659
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	10.000	50.000	50.000	20.000	1000.0	600.00	1000.0
Low	-.00200	-.00500	-.01000	-.01000	-.20000	-.50000	-.10000

Elem	Mn2576	Mo2020	Na5889	Ni2316	2203/1	2203/2	Sb2068
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	2.1571	.00123	.62501	.05632	.04458	.04851	.00279
SDev	.0016	.00032	.00453	.00027	.00103	.00120	.00073
%RSD	.07220	26.290	.72525	.48066	2.3131	2.4814	26.065
#1	2.1582	.00146	.62822	.05612	.04531	.04936	.00331
#2	2.1560	.00100	.62181	.05651	.04385	.04766	.00228
Errors	LC Pass	LC Pass	LC Pass	LC Pass	NOCHECK	NOCHECK	LC Pass
High	10.000	20.000	50.000	50.000			20.000
Low	-.01000	-.01000	-1.0000	-.01000			-.02000

Elem	1960/1	1960/2	Pb2203	Se1960	Sn1899	Sr4215	Ti3349
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.00588	.00610	.04728	.00217	.00784	.03529	1.1021
SDev	.00129	.00119	.00115	.00122	.00042	.00006	.0006
%RSD	21.865	19.500	2.4365	56.368	5.3401	.17557	.05461
#1	-.00497	.00694	.04810	.00303	.00754	.03533	1.1025
#2	-.00679	.00526	.04647	.00130	.00813	.03524	1.1017
Errors	NOCHECK	NOCHECK	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High			50.000	10.000	10.000	5.0000	5.0000
Low			-.00500	-.01000	-.04000	-.00500	-.00500

Elem	Tl1908	V_2924	Zn2062	Si2881

Units	ppm	ppm	ppm	ppm
Avge	-.00190	.11702	.14218	1.3839
SDev	.00063	.00030	.00020	.0053
%RSD	33.330	.25451	.13861	.38043
#1	-.00235	.11723	.14204	1.3876
#2	-.00146	.11681	.14232	1.3802
Errors	LC Pass	LC Pass	LC Pass	LC Pass
High	20.000	100.00	20.000	100.00
Low	-.01000	-.00500	-.02000	-.20000

IntStd	1	2	3	4	5	6	7
Mode	*Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	130679	--	--	--	--	--	--
SDev	601.0408	--	--	--	--	--	--
%RSD	.4599368	--	--	--	--	--	--
#1	130254	--	--	--	--	--	--
#2	131104	--	--	--	--	--	--

Method: P50930A Sample Name: 510-70378-E-1-A Operator: TDS
Run Time: 09/30/11 14:29:58
Comment:
Mode: CONC Corr. Factor: 1

Elem	Ag3280	Al3082	As1890	B_2496	Ba4934	Be3130	Ca3179
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.00003	51.070	.10756	.01954	.62986	.00330	25.490
SDev	.00015	.000	.00035	.00044	.00018	.00001	.085
%RSD	440.23	.00081	.32353	2.2739	.02885	.17651	.33480
#1	.00014	51.071	.10780	.01985	.62973	.00330	25.551
#2	-.00007	51.070	.10731	.01923	.62999	.00331	25.430
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	5.0000	600.00	10.000	20.000	20.000	10.000	1000.0
Low	-.00500	-.20000	-.01000	-.05000	-.01000	-.00400	-.20000

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664	Mg2790
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.00021	.03764	.09523	.09183	92.684	3.8490	14.955
SDev	.00003	.00013	.00026	.00009	.253	.0207	.035
%RSD	12.447	.34282	.27048	.10239	.27313	.53874	.23115
#1	-.00019	.03754	.09541	.09190	92.863	3.8343	14.979
#2	-.00023	.03773	.09505	.09177	92.505	3.8637	14.930
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	10.000	50.000	50.000	20.000	1000.0	600.00	1000.0
Low	-.00200	-.00500	-.01000	-.01000	-.20000	-.50000	-.10000

Elem	Mn2576	Mo2020	Na5889	Ni2316	2203/1	2203/2	Sb2068
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	3.1955	.00307	.83401	.07507	.37790	.38464	.00342
SDev	.0077	.00012	.00112	.00044	.00400	.00347	.00027
%RSD	.24228	3.7844	.13468	.58150	1.0586	.90174	7.7932
#1	3.2010	.00299	.83322	.07476	.38073	.38219	.00361
#2	3.1901	.00316	.83481	.07538	.37508	.38709	.00324
Errors	LC Pass	LC Pass	LC Pass	LC Pass	NOCHECK	NOCHECK	LC Pass
High	10.000	20.000	50.000	50.000			20.000
Low	-.01000	-.01000	-1.0000	-.01000			-.02000

Elem	1960/1	1960/2	Pb2203	Se1960	Sn1899	Sr4215	Ti3349
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.00559	.00627	.38248	.00238	.01703	.07079	1.3785
SDev	.00343	.00062	.00098	.00156	.00112	.00001	.0016
%RSD	61.448	9.8429	.25718	65.356	6.5649	.01760	.11490
#1	-.00316	.00671	.38178	.00348	.01782	.07080	1.3797
#2	-.00802	.00584	.38317	.00128	.01624	.07078	1.3774
Errors	NOCHECK	NOCHECK	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High			50.000	10.000	10.000	5.0000	5.0000
Low			-.00500	-.01000	-.04000	-.00500	-.00500

Elem	Tl1908	V_2924	Zn2062	Si2881

Units	ppm	ppm	ppm	ppm
Avge	-.00022	.14860	.55834	1.8685
SDev	.00066	.00004	.00258	.0047
%RSD	299.95	.02466	.46231	.25181
#1	.00025	.14862	.56017	1.8652
#2	-.00068	.14857	.55652	1.8718
Errors	LC Pass	LC Pass	LC Pass	LC Pass
High	20.000	100.00	20.000	100.00
Low	-.01000	-.00500	-.02000	-.20000

IntStd	1	2	3	4	5	6	7
Mode	*Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	130992	--	--	--	--	--	--
SDev	941.1591	--	--	--	--	--	--
%RSD	.7184832	--	--	--	--	--	--
#1	130327	--	--	--	--	--	--
#2	131658	--	--	--	--	--	--

Method: P50930A Sample Name: 510-70378-E-2-A Operator: TDS
Run Time: 09/30/11 14:36:10
Comment:
Mode: CONC Corr. Factor: 1

Elem	Ag3280	Al3082	As1890	B_2496	Ba4934	Be3130	Ca3179
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.00906	18.447	.07389	.02858	.54478	.00148	20.658
SDev	.00019	.037	.00082	.00022	.00144	.00000	.098
%RSD	2.1310	.20279	1.1065	.76724	.26464	.26383	.47608
#1	.00893	18.421	.07331	.02842	.54579	.00148	20.589
#2	.00920	18.474	.07447	.02873	.54376	.00149	20.728
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	5.0000	600.00	10.000	20.000	20.000	10.000	1000.0
Low	-.00500	-.20000	-.01000	-.05000	-.01000	-.00400	-.20000

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664	Mg2790
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.02769	.04125	.47414	1.2588	361.20	1.6122	9.3109
SDev	.00008	.00038	.00129	.0014	1.25	.0124	.0398
%RSD	.30327	.91618	.27215	.10813	.34584	.77000	.42745
#1	.02763	.04098	.47322	1.2597	360.32	1.6035	9.2827
#2	.02775	.04151	.47505	1.2578	362.09	1.6210	9.3390
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	10.000	50.000	50.000	20.000	1000.0	600.00	1000.0
Low	-.00200	-.00500	-.01000	-.01000	-.20000	-.50000	-.10000

Elem	Mn2576	Mo2020	Na5889	Ni2316	2203/1	2203/2	Sb2068
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	H10.625	.13011	.95164	.50065	2.7262	2.7425	.01915
SDev	.028	.00029	.00264	.00248	.0084	.0042	.00023
%RSD	.26458	.22357	.27762	.49611	.30925	.15382	1.2174
#1	H10.605	.13032	.94977	.49889	2.7203	2.7396	.01931
#2	H10.645	.12991	.95351	.50240	2.7322	2.7455	.01898
Errors	LC High	LC Pass	LC Pass	LC Pass	NOCHECK	NOCHECK	LC Pass
High	10.000	20.000	50.000	50.000			20.000
Low	-.01000	-.01000	-1.0000	-.01000			-.02000

Elem	1960/1	1960/2	Pb2203	Se1960	Sn1899	Sr4215	Ti3349
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.00155	.01259	2.7372	.00897	.18281	.07408	.81906
SDev	.00601	.00248	.0056	.00035	.00140	.00005	.00109
%RSD	388.12	19.702	.20543	3.8944	.76429	.06981	.13338
#1	.00580	.01083	2.7332	.00922	.18183	.07412	.81829
#2	-.00270	.01434	2.7412	.00872	.18380	.07404	.81984
Errors	NOCHECK	NOCHECK	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High			50.000	10.000	10.000	5.0000	5.0000
Low			-.00500	-.01000	-.04000	-.00500	-.00500

Elem	Tl1908	V_2924	Zn2062	Si2881

Units	ppm	ppm	ppm	ppm
Avge	-.00280	.13385	9.1449	1.5621
SDev	.00208	.00101	.0542	.0048
%RSD	74.337	.75422	.59305	.31043
#1	-.00427	.13313	9.1066	1.5587
#2	-.00133	.13456	9.1833	1.5656
Errors	LC Pass	LC Pass	LC Pass	LC Pass
High	20.000	100.00	20.000	100.00
Low	-.01000	-.00500	-.02000	-.20000

IntStd	1	2	3	4	5	6	7
Mode	*Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	127252	--	--	--	--	--	--
SDev	284.9640	--	--	--	--	--	--
%RSD	.2239377	--	--	--	--	--	--
#1	127453	--	--	--	--	--	--
#2	127050	--	--	--	--	--	--

Method: P50930A Sample Name: 500-39833-A-1-A Operator: TDS
Run Time: 09/30/11 14:42:21
Comment:
Mode: CONC Corr. Factor: 1

Elem	Ag3280	Al3082	As1890	B_2496	Ba4934	Be3130	Ca3179
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.00031	.00887	.00090	-.00124	.00020	-.00001	.05290
SDev	.00019	.00231	.00006	.00066	.00002	.00002	.00134
%RSD	61.638	26.087	7.0759	53.693	9.4313	387.81	2.5283
#1	-.00018	.01051	.00095	-.00170	.00022	.00001	.05385
#2	-.00045	.00723	.00086	-.00077	.00019	-.00002	.05196
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	5.0000	600.00	10.000	20.000	20.000	10.000	1000.0
Low	-.00500	-.20000	-.01000	-.05000	-.01000	-.00400	-.20000

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664	Mg2790
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.00011	.00035	.00028	-.00038	.02253	.01779	.01044
SDev	.00003	.00010	.00010	.00021	.02024	.00178	.00131
%RSD	27.784	28.541	37.023	54.407	89.864	10.031	12.563
#1	-.00009	.00042	.00021	-.00023	.03684	.01906	.00952
#2	-.00013	.00028	.00035	-.00052	.00821	.01653	.01137
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	10.000	50.000	50.000	20.000	1000.0	600.00	1000.0
Low	-.00200	-.00500	-.01000	-.01000	-.20000	-.50000	-.10000

Elem	Mn2576	Mo2020	Na5889	Ni2316	2203/1	2203/2	Sb2068
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.00005	.00057	.26065	.00019	.00322	.00098	.00203
SDev	.00016	.00052	.00118	.00010	.00118	.00362	.00010
%RSD	324.42	90.930	.45366	53.130	36.747	369.81	5.1504
#1	.00016	.00094	.25981	.00026	.00238	.00353	.00210
#2	-.00006	.00020	.26148	.00012	.00405	-.00158	.00195
Errors	LC Pass	LC Pass	LC Pass	LC Pass	NOCHECK	NOCHECK	LC Pass
High	10.000	20.000	50.000	50.000			20.000
Low	-.01000	-.01000	-1.0000	-.01000			-.02000

Elem	1960/1	1960/2	Pb2203	Se1960	Sn1899	Sr4215	Ti3349
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.00481	.00567	.00180	.00545	.01424	.00013	.00140
SDev	.00241	.00175	.00202	.00037	.00105	.00001	.00016
%RSD	50.072	30.927	111.93	6.7304	7.3681	8.7944	11.677
#1	.00311	.00691	.00323	.00571	.01498	.00014	.00151
#2	.00651	.00443	.00038	.00519	.01350	.00012	.00128
Errors	NOCHECK	NOCHECK	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High			50.000	10.000	10.000	5.0000	5.0000
Low			-.00500	-.01000	-.04000	-.00500	-.00500

Elem	Tl1908	V_2924	Zn2062	Si2881

Units	ppm	ppm	ppm	ppm
Avge	-.00353	-.00023	.00114	.25964
SDev	.00120	.00035	.00018	.00226
%RSD	34.118	151.81	15.767	.86930
#1	-.00268	-.00048	.00127	.26124
#2	-.00438	.00002	.00102	.25804
Errors	LC Pass	LC Pass	LC Pass	LC Pass
High	20.000	100.00	20.000	100.00
Low	-.01000	-.00500	-.02000	-.20000

IntStd	1	2	3	4	5	6	7
Mode	*Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	127978	--	--	--	--	--	--
SDev	385.3732	--	--	--	--	--	--
%RSD	.3011234	--	--	--	--	--	--
#1	127706	--	--	--	--	--	--
#2	128251	--	--	--	--	--	--

Method: P50930A Sample Name: CCV Operator: TDS
Run Time: 09/30/11 14:50:48
Comment:
Mode: CONC Corr. Factor: 1

Elem	Ag3280	Al3082	As1890	B_2496	Ba4934	Be3130	Ca3179
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.50316	50.031	.50533	.49883	.50177	.49161	25.154
SDev	.00079	.023	.00128	.00134	.00031	.00152	.081
%RSD	.15699	.04668	.25283	.26914	.06238	.30941	.32328
#1	.50260	50.047	.50442	.49788	.50155	.49054	25.096
#2	.50372	50.014	.50623	.49978	.50200	.49269	25.211
Errors	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass
Value	.50000	50.000	.50000	.50000	.50000	.50000	25.000
Range	10.000	10.000	10.000	10.000	10.000	10.000	10.000

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664	Mg2790
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.49560	.49367	.49434	.50880	24.813	52.008	24.954
SDev	.00218	.00167	.00124	.00029	.061	.059	.081
%RSD	.44035	.33812	.25151	.05632	.24778	.11415	.32352
#1	.49405	.49249	.49346	.50859	24.770	52.050	24.897
#2	.49714	.49485	.49522	.50900	24.857	51.966	25.011
Errors	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass
Value	.50000	.50000	.50000	.50000	25.000	50.000	25.000
Range	10.000	10.000	10.000	10.000	10.000	10.000	10.000

Elem	Mn2576	Mo2020	Na5889	Ni2316	2203/1	2203/2	Sb2068
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	5.0751	.49459	26.224	.50002	.49672	.50787	.51014
SDev	.0152	.00215	.025	.00146	.00224	.00182	.00323
%RSD	.29958	.43393	.09654	.29185	.45105	.35767	.63267
#1	5.0644	.49307	26.242	.49899	.49514	.50658	.50786
#2	5.0859	.49610	26.206	.50105	.49831	.50915	.51242
Errors	QC Pass	QC Pass	QC Pass	QC Pass	NOCHECK	NOCHECK	QC Pass
Value	5.0000	.50000	25.000	.50000			.50000
Range	10.000	10.000	10.000	10.000			10.000

Elem	1960/1	1960/2	Pb2203	Se1960	Sn1899	Sr4215	Ti3349
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.49519	.49704	.50425	.49648	.49211	.50273	.50865
SDev	.00152	.00141	.00196	.00144	.00140	.00051	.00111
%RSD	.30665	.28316	.38830	.29091	.28437	.10205	.21887
#1	.49626	.49803	.50286	.49751	.49112	.50236	.50787
#2	.49412	.49604	.50563	.49546	.49310	.50309	.50944
Errors	NOCHECK	NOCHECK	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass
Value			.50000	.50000	.50000	.50000	.50000
Range			10.000	10.000	10.000	10.000	10.000

Elem	Tl1908	V_2924	Zn2062	Si2881

Units	ppm	ppm	ppm	ppm
Avge	.51000	4.9988	.48288	.51113
SDev	.00747	.0085	.00248	.00075
%RSD	1.4646	.17030	.51464	.14700
#1	.50471	4.9927	.48112	.51060
#2	.51528	5.0048	.48464	.51166
Errors	QC Pass	QC Pass	QC Pass	QC Pass
Value	.50000	5.0000	.50000	.50000
Range	10.000	10.000	10.000	10.000

IntStd	1	2	3	4	5	6	7
Mode	*Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	126810	--	--	--	--	--	--
SDev	228.3955	--	--	--	--	--	--
%RSD	.1801077	--	--	--	--	--	--
#1	126972	--	--	--	--	--	--
#2	126649	--	--	--	--	--	--

Method: P50930A Sample Name: CCB Operator: TDS
Run Time: 09/30/11 14:57:05
Comment:
Mode: CONC Corr. Factor: 1

Elem	Ag3280	Al3082	As1890	B_2496	Ba4934	Be3130	Ca3179
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.00026	.00611	.00060	.00100	.00005	.00004	.00122
SDev	.00030	.00208	.00046	.00036	.00003	.00001	.00016
%RSD	113.82	33.981	77.228	36.169	49.037	14.381	13.034
#1	.00005	.00758	.00027	.00074	.00003	.00004	.00110
#2	.00047	.00464	.00093	.00125	.00007	.00003	.00133
Errors	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass
Value	.00000	.00000	.00000	.00000	.00000	.00000	.00000
Range	.00500	.20000	.01000	.05000	.01000	.00400	.20000

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664	Mg2790
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.00003	.00053	.00039	-.00027	.02138	.01907	.01210
SDev	.00009	.00007	.00016	.00028	.00861	.00014	.00030
%RSD	264.92	14.145	40.406	101.81	40.299	.72375	2.5222
#1	.00010	.00058	.00028	-.00047	.01529	.01917	.01231
#2	-.00003	.00047	.00050	-.00008	.02747	.01897	.01188
Errors	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass
Value	.00000	.00000	.00000	.00000	.00000	.00000	.00000
Range	.00200	.00500	.01000	.01000	.20000	.50000	.10000

Elem	Mn2576	Mo2020	Na5889	Ni2316	2203/1	2203/2	Sb2068
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.00004	.00131	-.00418	.00064	.00099	-.00112	.00217
SDev	.00006	.00017	.00061	.00017	.00000	.00155	.00047
%RSD	137.88	13.170	14.584	26.924	.02843	138.70	21.472
#1	-.00008	.00119	-.00461	.00076	.00099	-.00222	.00184
#2	-.00000	.00143	-.00375	.00052	.00099	-.00002	.00250
Errors	QC Pass	QC Pass	QC Pass	QC Pass	NOCHECK	NOCHECK	QC Pass
Value	.00000	.00000	.00000	.00000			.00000
Range	.01000	.01000	1.0000	.01000			.02000

Elem	1960/1	1960/2	Pb2203	Se1960	Sn1899	Sr4215	Ti3349
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.00043	-.00093	-.00034	-.00070	.00121	.00004	.00018
SDev	.00033	.00154	.00104	.00113	.00106	.00000	.00005
%RSD	76.044	165.27	306.75	161.70	87.918	10.261	25.187
#1	-.00066	-.00202	-.00107	-.00150	.00046	.00004	.00015
#2	-.00020	.00016	.00040	.00010	.00196	.00004	.00022
Errors	NOCHECK	NOCHECK	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass
Value			.00000	.00000	.00000	.00000	.00000
Range			.00500	.01000	.04000	.00500	.00500

Elem	Tl1908	V_2924	Zn2062	Si2881

Units	ppm	ppm	ppm	ppm
Avge	.00146	.00024	.00029	-.00099
SDev	.00525	.00003	.00018	.00067
%RSD	358.75	13.766	60.262	67.147
#1	-.00225	.00027	.00017	-.00052
#2	.00517	.00022	.00042	-.00147
Errors	QC Pass	QC Pass	QC Pass	QC Pass
Value	.00000	.00000	.00000	.00000
Range	.01000	.00500	.02000	.20000

IntStd	1	2	3	4	5	6	7
Mode	*Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	128246	--	--	--	--	--	--
SDev	325.9762	--	--	--	--	--	--
%RSD	.2541814	--	--	--	--	--	--
#1	128476	--	--	--	--	--	--
#2	128015	--	--	--	--	--	--

Method: P50930A Sample Name: CRI Operator: TDS
Run Time: 09/30/11 15:03:17
Comment:
Mode: CONC Corr. Factor: 1

Elem	Ag3280	Al3082	As1890	B_2496	Ba4934	Be3130	Ca3179
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.00948	.39118	.01862	.09687	.01974	.00790	.40372
SDev	.00001	.00104	.00086	.00070	.00010	.00000	.00030
%RSD	.08626	.26631	4.6181	.72280	.48252	.04529	.07527
#1	.00948	.39192	.01922	.09736	.01968	.00790	.40351
#2	.00949	.39045	.01801	.09637	.01981	.00789	.40394
Errors	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass
Value	.01000	.40000	.02000	.10000	.02000	.00800	.40000
Range	50.000	50.000	50.000	50.000	50.000	50.000	50.000

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664	Mg2790
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.00417	.01000	.02002	.01938	.41510	.92127	.19857
SDev	.00017	.00003	.00046	.00009	.00240	.00827	.00095
%RSD	4.0266	.30502	2.2998	.44764	.57919	.89764	.47807
#1	.00405	.01002	.01970	.01932	.41340	.92712	.19924
#2	.00428	.00998	.02035	.01944	.41680	.91542	.19790
Errors	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass
Value	.00400	.01000	.02000	.02000	.40000	1.0000	.20000
Range	50.000	50.000	50.000	50.000	50.000	50.000	50.000

Elem	Mn2576	Mo2020	Na5889	Ni2316	2203/1	2203/2	Sb2068
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.02027	.02172	1.8902	.02016	.00796	.00994	.04125
SDev	.00003	.00017	.0127	.00017	.00374	.00074	.00002
%RSD	.16302	.78867	.67381	.85944	46.954	7.4454	.03785
#1	.02024	.02184	1.8992	.02028	.00532	.00941	.04126
#2	.02029	.02160	1.8812	.02004	.01060	.01046	.04124
Errors	QC Pass	QC Pass	QC Pass	QC Pass	NOCHECK	NOCHECK	QC Pass
Value	.02000	.02000	2.0000	.02000			.04000
Range	50.000	50.000	50.000	50.000			50.000

Elem	1960/1	1960/2	Pb2203	Se1960	Sn1899	Sr4215	Ti3349
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.01676	.02012	.00936	.01906	.07949	.00994	.01009
SDev	.00205	.00165	.00174	.00042	.00108	.00000	.00013
%RSD	12.264	8.2017	18.592	2.1759	1.3540	.01744	1.2478
#1	.01531	.02129	.00813	.01936	.07873	.00994	.01000
#2	.01821	.01896	.01059	.01877	.08025	.00994	.01018
Errors	NOCHECK	NOCHECK	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass
Value			.01000	.02000	.08000	.01000	.01000
Range			50.000	50.000	50.000	25.000	50.000

Elem	Tl1908	V_2924	Zn2062	Si2881

Units	ppm	ppm	ppm	ppm
Avge	.02024	.00944	.03967	.41029
SDev	.00129	.00008	.00009	.00080
%RSD	6.3966	.82699	.21664	.19554
#1	.01933	.00939	.03961	.40972
#2	.02116	.00950	.03973	.41085
Errors	QC Pass	QC Pass	QC Pass	QC Pass
Value	.02000	.01000	.04000	.40000
Range	50.000	25.000	25.000	25.000

IntStd	1	2	3	4	5	6	7
Mode	*Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	127669	--	--	--	--	--	--
SDev	588.3129	--	--	--	--	--	--
%RSD	.4608110	--	--	--	--	--	--
#1	128085	--	--	--	--	--	--
#2	127253	--	--	--	--	--	--

Method: P50930A Sample Name: ICSA Operator: TDS
Run Time: 09/30/11 15:09:29
Comment:
Mode: CONC Corr. Factor: 1

Elem	Ag3280	Al3082	As1890	B_2496	Ba4934	Be3130	Ca3179
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.00033	490.10	-.00330	.00013	.00027	-.00005	488.36
SDev	.00021	6.58	.00167	.00107	.00002	.00002	6.96
%RSD	65.290	1.3422	50.666	822.32	7.3767	41.384	1.4243
#1	.00048	485.45	-.00212	.00089	.00029	-.00004	483.45
#2	.00018	494.75	-.00448	-.00063	.00026	-.00007	493.28
Errors	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass
Value	.00000	500.00	.00000	.00000	.00000	.00000	500.00
Range	.01000	100.00	.02000	.10000	.02000	.00800	100.00

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664	Mg2790
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.00019	.00032	.00199	-.00220	186.93	.01205	515.56
SDev	.00026	.00006	.00021	.00020	2.40	.00607	6.72
%RSD	137.72	20.098	10.739	8.8524	1.2844	50.360	1.3033
#1	-.00037	.00028	.00183	-.00207	185.23	.00776	510.81
#2	-.00000	.00037	.00214	-.00234	188.62	.01634	520.31
Errors	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass
Value	.00000	.00000	.00000	.00000	200.00	.00000	500.00
Range	.00400	.01000	.02000	.02000	40.000	2.0000	100.00

Elem	Mn2576	Mo2020	Na5889	Ni2316	2203/1	2203/2	Sb2068
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.00409	-.00629	.01385	.00096	-.02447	.01443	.00327
SDev	.00004	.00139	.00070	.00038	.00252	.00001	.00047
%RSD	.94572	22.083	5.0517	40.107	10.298	.05970	14.298
#1	.00406	-.00530	.01335	.00069	-.02625	.01442	.00294
#2	.00411	-.00727	.01434	.00123	-.02268	.01443	.00360
Errors	QC Pass	QC Pass	QC Pass	QC Pass	NOCHECK	NOCHECK	QC Pass
Value	.00000	.00000	.00000	.00000			.00000
Range	.02000	.02000	.20000	.02000			.04000

Elem	1960/1	1960/2	Pb2203	Se1960	Sn1899	Sr4215	Ti3349
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.00175	-.00183	.00157	-.00057	-.00308	.00230	-.00056
SDev	.00173	.00271	.00085	.00123	.00070	.00004	.00004
%RSD	99.040	147.98	54.022	216.22	22.666	1.8788	7.5362
#1	.00053	.00008	.00097	.00030	-.00259	.00227	-.00059
#2	.00298	-.00375	.00217	-.00144	-.00358	.00233	-.00053
Errors	NOCHECK	NOCHECK	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass
Value			.00000	.00000	.00000	.00000	.00000
Range			.01000	.02000	.04000	.01000	.01000

Elem	Tl1908	V_2924	Zn2062	Si2881

Units	ppm	ppm	ppm	ppm
Avge	.00291	.00529	.00341	.00750
SDev	.00105	.00007	.00012	.00038
%RSD	36.047	1.3938	3.4120	5.0312
#1	.00366	.00534	.00333	.00723
#2	.00217	.00523	.00349	.00777
Errors	QC Pass	QC Pass	QC Pass	QC Pass
Value	.00000	.00000	.00000	.00000
Range	.02000	.01000	.04000	.40000

IntStd	1	2	3	4	5	6	7
Mode	*Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	115604	--	--	--	--	--	--
SDev	1122.178	--	--	--	--	--	--
%RSD	.9707132	--	--	--	--	--	--
#1	116397	--	--	--	--	--	--
#2	114810	--	--	--	--	--	--

Method: P50930A Sample Name: ICSAB Operator: TDS
Run Time: 09/30/11 15:15:41
Comment:
Mode: CONC Corr. Factor: 1

Elem	Ag3280	Al3082	As1890	B_2496	Ba4934	Be3130	Ca3179
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.21779	504.00	.10342	.00120	.52005	.49343	499.54
SDev	.00040	.63	.00195	.00033	.00079	.00032	.12
%RSD	.18222	.12430	1.8845	27.739	.15267	.06457	.02362
#1	.21751	503.56	.10204	.00144	.51948	.49366	499.46
#2	.21807	504.44	.10480	.00097	.52061	.49321	499.63
Errors	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass
Value	.20000	500.00	.10000	.00000	.50000	.50000	500.00
Range	.04000	100.00	.02000	.10000	.10000	.10000	100.00

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664	Mg2790
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.95893	.47908	.49002	.54698	192.15	.00091	528.47
SDev	.00099	.00061	.00002	.00056	.07	.00763	.05
%RSD	.10298	.12813	.00303	.10277	.03532	839.37	.00874
#1	.95963	.47952	.49003	.54659	192.11	-.00448	528.44
#2	.95824	.47865	.49001	.54738	192.20	.00630	528.50
Errors	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass
Value	1.0000	.50000	.50000	.50000	200.00	.00000	500.00
Range	.20000	.10000	.10000	.10000	40.000	4.0000	100.00

Elem	Mn2576	Mo2020	Na5889	Ni2316	2203/1	2203/2	Sb2068
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.51261	-.00266	.01823	.95343	.02080	.06506	.60859
SDev	.00003	.00284	.00003	.00088	.00006	.00043	.00181
%RSD	.00589	106.59	.17789	.09231	.27095	.66337	.29808
#1	.51258	-.00066	.01821	.95280	.02084	.06537	.60987
#2	.51263	-.00467	.01826	.95405	.02076	.06476	.60730
Errors	QC Pass	QC Pass	QC Pass	QC Pass	NOCHECK	NOCHECK	QC Pass
Value	.50000	.00000	.00000	1.0000			.60000
Range	.10000	.02000	.40000	.20000			.12000

Elem	1960/1	1960/2	Pb2203	Se1960	Sn1899	Sr4215	Ti3349
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.04903	.04525	.05041	.04658	-.00074	.00238	-.00041
SDev	.00190	.00185	.00032	.00187	.00062	.00002	.00018
%RSD	3.8824	4.0898	.63185	4.0115	84.180	.89548	43.623
#1	.04768	.04394	.05063	.04526	-.00030	.00237	-.00029
#2	.05038	.04655	.05018	.04790	-.00118	.00240	-.00054
Errors	NOCHECK	NOCHECK	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass
Value			.05000	.05000	.00000	.00000	.00000
Range			.01000	.01000	.04000	.01000	.01000

Elem	Tl1908	V_2924	Zn2062	Si2881

Units	ppm	ppm	ppm	ppm
Avge	.10684	.51305	.91777	.01958
SDev	.00412	.00033	.00113	.00045
%RSD	3.8580	.06441	.12284	2.3134
#1	.10976	.51282	.91857	.01926
#2	.10393	.51328	.91698	.01990
Errors	QC Pass	QC Pass	QC Pass	QC Pass
Value	.10000	.50000	1.0000	.00000
Range	.02000	.10000	.20000	.40000

IntStd	1	2	3	4	5	6	7
Mode	*Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	114833	--	--	--	--	--	--
SDev	425.6783	--	--	--	--	--	--
%RSD	.3706933	--	--	--	--	--	--
#1	115134	--	--	--	--	--	--
#2	114532	--	--	--	--	--	--

Method: P50930A Sample Name: CCV Operator: TDS
Run Time: 09/30/11 15:24:09
Comment:
Mode: CONC Corr. Factor: 1

Elem	Ag3280	Al3082	As1890	B_2496	Ba4934	Be3130	Ca3179
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.50556	49.870	.51226	.50360	.50076	.50030	25.596
SDev	.00063	.134	.00011	.00194	.00033	.00011	.015
%RSD	.12447	.26954	.02186	.38538	.06618	.02242	.05933
#1	.50601	49.965	.51234	.50223	.50053	.50022	25.607
#2	.50512	49.775	.51218	.50497	.50100	.50038	25.586
Errors	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass
Value	.50000	50.000	.50000	.50000	.50000	.50000	25.000
Range	10.000	10.000	10.000	10.000	10.000	10.000	10.000

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664	Mg2790
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.50378	.50192	.50226	.50701	25.148	51.745	25.244
SDev	.00097	.00031	.00033	.00078	.011	.166	.002
%RSD	.19358	.06174	.06614	.15395	.04187	.32128	.00616
#1	.50447	.50214	.50250	.50645	25.141	51.862	25.245
#2	.50309	.50170	.50203	.50756	25.156	51.627	25.243
Errors	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass
Value	.50000	.50000	.50000	.50000	25.000	50.000	25.000
Range	10.000	10.000	10.000	10.000	10.000	10.000	10.000

Elem	Mn2576	Mo2020	Na5889	Ni2316	2203/1	2203/2	Sb2068
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	5.1540	.50158	26.048	.50702	.50239	.51622	.51394
SDev	.0022	.00039	.043	.00041	.00036	.00267	.00099
%RSD	.04205	.07694	.16372	.08011	.07133	.51745	.19311
#1	5.1555	.50130	26.078	.50731	.50265	.51433	.51324
#2	5.1524	.50185	26.018	.50674	.50214	.51811	.51465
Errors	QC Pass	QC Pass	QC Pass	QC Pass	NOCHECK	NOCHECK	QC Pass
Value	5.0000	.50000	25.000	.50000			.50000
Range	10.000	10.000	10.000	10.000			10.000

Elem	1960/1	1960/2	Pb2203	Se1960	Sn1899	Sr4215	Ti3349
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.49862	.50111	.51171	.50035	.50267	.50362	.51409
SDev	.00123	.00091	.00166	.00020	.00116	.00002	.00008
%RSD	.24743	.18170	.32466	.03911	.23001	.00326	.01473
#1	.49949	.50047	.51053	.50021	.50349	.50364	.51403
#2	.49775	.50176	.51288	.50048	.50186	.50361	.51414
Errors	NOCHECK	NOCHECK	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass
Value			.50000	.50000	.50000	.50000	.50000
Range			10.000	10.000	10.000	10.000	10.000

Elem	Tl1908	V_2924	Zn2062	Si2881

Units	ppm	ppm	ppm	ppm
Avge	.51264	5.0568	.49672	.51131
SDev	.00102	.0003	.00011	.00029
%RSD	.19820	.00557	.02299	.05682
#1	.51192	5.0570	.49681	.51152
#2	.51336	5.0566	.49664	.51111
Errors	QC Pass	QC Pass	QC Pass	QC Pass
Value	.50000	5.0000	.50000	.50000
Range	10.000	10.000	10.000	10.000

IntStd	1	2	3	4	5	6	7
Mode	*Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	124723	--	--	--	--	--	--
SDev	73.53911	--	--	--	--	--	--
%RSD	.0589619	--	--	--	--	--	--
#1	124671	--	--	--	--	--	--
#2	124775	--	--	--	--	--	--

Method: P50930A Sample Name: CCB Operator: TDS
Run Time: 09/30/11 15:30:23
Comment:
Mode: CONC Corr. Factor: 1

Elem	Ag3280	Al3082	As1890	B_2496	Ba4934	Be3130	Ca3179
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.00035	.02005	-.00000	.00050	.00003	.00003	.00022
SDev	.00015	.00239	.00061	.00009	.00002	.00000	.00069
%RSD	42.504	11.914	12185.	18.608	58.376	5.5903	309.83
#1	-.00046	.02174	.00042	.00057	.00002	.00003	.00071
#2	-.00025	.01836	-.00043	.00044	.00004	.00003	-.00027
Errors	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass
Value	.00000	.00000	.00000	.00000	.00000	.00000	.00000
Range	.00500	.20000	.01000	.05000	.01000	.00400	.20000

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664	Mg2790
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.00007	.00032	.00015	-.00060	.00212	.00910	.00499
SDev	.00012	.00021	.00009	.00012	.00251	.00639	.00067
%RSD	169.13	65.717	60.558	19.370	118.23	70.147	13.317
#1	-.00001	.00017	.00008	-.00068	.00035	.00459	.00546
#2	.00016	.00048	.00021	-.00051	.00390	.01362	.00452
Errors	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass
Value	.00000	.00000	.00000	.00000	.00000	.00000	.00000
Range	.00200	.00500	.01000	.01000	.20000	.50000	.10000

Elem	Mn2576	Mo2020	Na5889	Ni2316	2203/1	2203/2	Sb2068
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.00021	.00119	-.00597	-.00002	.00031	.00088	.00184
SDev	.00005	.00012	.00014	.00020	.00024	.00149	.00006
%RSD	23.757	9.8886	2.3447	1327.5	77.355	170.11	3.5125
#1	-.00025	.00111	-.00607	-.00016	.00014	.00193	.00188
#2	-.00018	.00128	-.00587	.00013	.00048	-.00018	.00179
Errors	QC Pass	QC Pass	QC Pass	QC Pass	NOCHECK	NOCHECK	QC Pass
Value	.00000	.00000	.00000	.00000			.00000
Range	.01000	.01000	1.0000	.01000			.02000

Elem	1960/1	1960/2	Pb2203	Se1960	Sn1899	Sr4215	Ti3349
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.00047	.00057	.00076	.00029	-.00032	.00006	-.00004
SDev	.00253	.00101	.00092	.00017	.00037	.00002	.00011
%RSD	541.90	175.66	120.61	58.698	114.78	37.561	305.21
#1	-.00225	.00129	.00141	.00017	-.00006	.00004	.00004
#2	.00132	-.00014	.00011	.00041	-.00059	.00008	-.00012
Errors	NOCHECK	NOCHECK	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass
Value			.00000	.00000	.00000	.00000	.00000
Range			.00500	.01000	.04000	.00500	.00500

Elem	Tl1908	V_2924	Zn2062	Si2881

Units	ppm	ppm	ppm	ppm
Avge	.00038	.00012	.00005	-.00237
SDev	.00058	.00007	.00002	.00098
%RSD	151.19	59.470	44.247	41.376
#1	-.00003	.00007	.00007	-.00306
#2	.00079	.00017	.00004	-.00167
Errors	QC Pass	QC Pass	QC Pass	QC Pass
Value	.00000	.00000	.00000	.00000
Range	.01000	.00500	.02000	.20000

IntStd	1	2	3	4	5	6	7
Mode	*Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	127368	--	--	--	--	--	--
SDev	312.5412	--	--	--	--	--	--
%RSD	.2453844	--	--	--	--	--	--
#1	127589	--	--	--	--	--	--
#2	127147	--	--	--	--	--	--

METALS BATCH WORKSHEET

Lab Name: TestAmerica Valparaiso Job No.: 510-70378-1

SDG No.: 0058-373-01

Batch Number: 87274 Batch Start Date: 09/28/11 10:39 Batch Analyst: Nelson, Larry W

Batch Method: 7471A Batch End Date:

Lab Sample ID	Client Sample ID	Method Chain	Basis	InitialAmount	FinalAmount	MELCSSOIL 00017	AnalysisComment		
MB 510-87274/1		7471A, 7471A		1.0 g	50 mL		0928-2		
LCS 510-87274/2		7471A, 7471A		0.1036 g	50 mL	0.1036 g	0928-2		
510-70378-F-1	Foundry Fill #1	7471A, 7471A	T	0.5297 g	50 mL				
510-70378-F-2	Foundry Fill #2	7471A, 7471A	T	0.5181 g	50 mL				

Batch Notes	
Hydroxylamine Hydrochloride Lot	MEHYDHCLNA-00042
Balance ID	P-214046002
Hood ID or number	8
Hot Block ID number	C
Potassium Permanganate Lot Number	MEHGKMNO4-00145
Oven, Bath or Block Temperature 1	95.0
ID number of the thermometer	15437
Digestion Tube/Cup Lot #	072911

Basis	Basis Description
T	Total/NA

METALS BATCH WORKSHEET

Lab Name: TestAmerica Chicago Job No.: 510-70378-1

SDG No.: 0058-373-01

Batch Number: 127081 Batch Start Date: 09/29/11 09:25 Batch Analyst: Kolarczyk, Paul F

Batch Method: 3050B Batch End Date: 09/29/11 13:25

Lab Sample ID	Client Sample ID	Method Chain	Basis	InitialAmount	FinalAmount	M11HSPKIC 00001	AnalysisComment		
MB 500-127081/1		3050B, 6010B		1.0000 g	100 mL				
LCS 500-127081/2		3050B, 6010B		1.0000 g	100 mL	1 mL			
510-70378-E-1	Foundry Fill #1	3050B, 6010B	T	1.0628 g	100 mL		Sb,As,Ba,Cd,Cr, Cu,Pb,Ni,Se,Ag, Tl **IDEM**		
510-70378-E-2	Foundry Fill #2	3050B, 6010B	T	1.0795 g	100 mL		Sb,As,Ba,Cd,Cr, Cu,Pb,Ni,Se,Ag, Tl **IDEM**		

Batch Notes	
Analyst	pfk
Balance ID	C1966
First End time	10:00
Filter Paper Lot Number	385114
Hydrogen peroxide lot number	J43A18
Lot # of hydrochloric acid	K25031
Lot # of Nitric Acid	K14034
Hood ID or number	3
Hot Block ID number	1
Oven, Bath or Block Temperature 1	90 Degrees C
Oven, Bath or Block Temperature 2	90 Degrees C
Pipette ID	1628
First Start time	09:45
ID number of the thermometer	J60014
Digestion Tube/Cup Lot #	1012120

Basis	Basis Description
T	Total/NA

GENERAL CHEMISTRY

COVER PAGE
GENERAL CHEMISTRY

Lab Name: TestAmerica Valparaiso Job Number: 510-70378-1

SDG No.: 0058-373-01

Project: South Bend Former Studebaker Foundry

Client Sample ID	Lab Sample ID
Foundry Fill #1	510-70378-1
Foundry Fill #2	510-70378-2

Comments:

9-IN
DETECTION LIMITS
GENERAL CHEMISTRY

Lab Name: TestAmerica Valparaiso Job Number: 510-70378-1

SDG Number: 0058-373-01

Matrix: Solid Instrument ID: GBALB

Method: Moisture RL Date: 11/15/2005 14:44

Analyte	Wavelength/ Mass	RL (%)	
Percent Moisture		0.1	
Percent Solids		0.1	

13-IN
ANALYSIS RUN LOG
GENERAL CHEMISTRY

Lab Name: TestAmerica Valparaiso   Job No.: 510-70378-1

SDG No.: 0058-373-01

Instrument ID: GBALB   Method: Moisture

Start Date: 09/26/2011 14:35   End Date: 09/26/2011 14:35

Lab Sample ID	D/F	Type	Time	Analytes																			
				%Sol	Moist																		
MB 510-87163/1	1	T	14:35	X	X																		
ZZZZZZ			14:35																				
ZZZZZZ			14:35																				
ZZZZZZ			14:35																				
ZZZZZZ			14:35																				
ZZZZZZ			14:35																				
ZZZZZZ			14:35																				
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ZZZZZZ			14:35																				
ZZZZZZ			14:35																				
ZZZZZZ			14:35																				
ZZZZZZ			14:35																				
ZZZZZZ			14:35																				
ZZZZZZ			14:35																				
510-70378-1	1	T	14:35	X	X																		
510-70378-2	1	T	14:35	X	X																		

Prep Types
T = Total/NA

GENERAL CHEMISTRY BATCH WORKSHEET

Lab Name: TestAmerica Valparaiso Job No.: 510-70378-1

SDG No.: 0058-373-01

Batch Number: 87163 Batch Start Date: 09/26/11 14:35 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 510-87163/1		Moisture		1	001.0099 g	011.6407 g	001.0119 g		
510-70378-F-1	Foundry Fill #1	Moisture	T	16	001.0030 g	011.3062 g	010.7045 g		
510-70378-F-2	Foundry Fill #2	Moisture	T	17	001.0134 g	011.0882 g	010.5180 g		

Batch Notes	
Balance ID	13506717 No Unit
Date samples were placed in the oven	9-26-11
Oven Temp when samples are put in oven	104.3 Degrees C
Time samples were place in the oven	1500
Date samples were removed from oven	9-27-11
Oven Temp when samples removed from oven	105.3 Degrees C
Time Samples were removed from oven	1215
Oven ID	wc-ovn-3
ID number of the thermometer	14-986-b-f
Uncorrected In Temperature	104.0 Celsius
Uncorrected Out Temperature	105.0 Celsius

Basis	Basis Description
T	Total/NA

Shipping and Receiving Documents

107457

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

Valparaiso
2400 Cumberland Drive
Valparaiso, IN 46383
Phone: 219-464-2389
Fax: 219-462-2953

Report To:
Contact:
Company: Weaver Boos
Address:
Phone:
Fax:
E-Mail:

Bill To:
Contact:
Company:
Address:
Phone:
Fax:
PO#: Quote:

Shaded Areas For Internal Use Only ____ of ____

Package Sealed Yes (No)	Samples Sealed Yes (No)
Received on Ice (Yes) No	Samples Intact (Yes) No
Temperature °C of Cooler 5.0-4.8-4.8	
4.5 c Corrected Temp 4.8c	
Within Hold Time (Yes) No	Preserv. Indicated (Yes) No NA
pH Check OK Yes No (NA)	Res Cl_2 Check OK Yes No (NA)
Sample Labels and COC Agree (Yes) No	COC not present

Sampler Name: ED STEFANEK
Signature: Ed Stefanek
Project Name: STUDEBAKER
Project Number: 0058-373-01
Project Location: SOUTH BEND
Lab PM: KINTZ
Date Required Hard Copy: ____/____/____ Fax: ____/____/____

Laboratory ID	MS-MSD	Client Sample ID	Sampling Date	Sampling Time	Matrix	Comp/Grab	TPH-ERO	SVOCs	VOCs	METALS*	Additional Analyses / Remarks
373-1		Foundry Fill #1	9-23	9:00AM	S	G	X	X	X	X	BACKFILL TUNNEL 12X12 VAULT
-2		Foundry Fill #2	9-23	9:15AM	S	G	X	X	X	X	
											* RCRA 8 ANTIMONY COPPER NICKEL THALLIUM

RELINQUISHED BY		COMPANY	WBC	DATE	9/23/11	TIME	1425	RECEIVED BY		COMPANY	TestAmerica	DATE	9/23/11	TIME	1425
RELINQUISHED BY		COMPANY	TestAmerica	DATE	9/23/11	TIME	1455	RECEIVED BY		COMPANY	TestAmerica	DATE	9/23/11	TIME	1455

Matrix Key
WW = Wastewater, W = Water, S = Soil, SL = Sludge, MS = Miscellaneous, OL = Oil, A = Air
SE = Sediment, SO = Solid, DS = Drum Solid, DL = Drum Liquid, L = Leachate, WI = Wipe, O = _____

Container Key
1. Plastic
2. VOA Vial
3. Sterile Plastic
4. Amber Glass
5. Widemouth-Glass
6. Other _____

Preservative Key
1. HCl, Cool to 4°
2. H2SO4, Cool to 4°
3. HNO3, Cool to 4°
4. NaOH, Cool to 4°
5. NaOH/Zn, Cool to 4°
6. Cool to 4°
7. None

COMMENTS

Date Received ____/____/____
Courier: Hand Delivered ☐
Bill of Lading

TAL-8209 (11/07)

Login Sample Receipt Checklist

Client: Weaver Boos Consultants LLC

Job Number: 510-70378-1
SDG Number: 0058-373-01

Login Number: 70378
List Number: 1
Creator: Richter, Debbie D

List Source: TestAmerica Valparaiso

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

Login Sample Receipt Checklist

Client: Weaver Boos Consultants LLC

Job Number: 510-70378-1
SDG Number: 0058-373-01

Login Number: 70378
List Number: 1
Creator: Kelsey, Shawn M

List Source: TestAmerica Chicago
List Creation: 09/27/11 02:03 PM

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

Login Sample Receipt Checklist

Client: Weaver Boos Consultants LLC

Job Number: 510-70378-1
SDG Number: 0058-373-01

Login Number: 70378
List Number: 1
Creator: McClain, Mark A

List Source: TestAmerica Edison
List Creation: 10/05/11 12:13 PM

Question	Answer	Comment
Radioactivity either was not measured or, if measured, is at or below background	N/A	
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	3.0 IR# 50
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the sample IDs on the containers and the COC.	True	
Samples are received within Holding Time.	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
VOA sample vials do not have headspace or bubble is <6mm (1/4") in diameter.	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	N/A	
Residual Chlorine Checked.	N/A	