TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

ANALYTICAL REPORT

Job Number: 480-18068-1

Job Description: ALCO-Maxon Site

For:
CHA Inc
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PO BOX 5269
Albany, NY 12205-0269

Attention: Ms. Sarah Newell

Approved for release.
Peggy Gray-Erdmann
Project Manager II
4/20/2012 11:40 AM

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04/20/2012

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Comments
No additional comments.

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

GC/MS VOA
Method(s) 8260B: The method blank for batch 58567 contained Xylenes, Total above the method detection limit. This target analyte concentration was less than the reporting limit (RL); therefore, re-extraction and/or re-analysis of samples was not performed.

Method(s) 8260B: The following compounds were outside control limits in the continuing calibration verification (CCV) associated with batch 58634: Carbon disulfide and trans-1,4-Dichloro-2butene. These compounds are not classified as Calibration Check Compounds (CCCs) in the reference method, and the laboratory defaults to in-house and/or project-specific criteria for evaluation. Due to the large number of analytes contained in the CCV, the laboratory's SOP allows for six analytes to be outside limits; therefore, the data have been reported.

No other analytical or quality issues were noted.

GC/MS Semi VOA
Method(s) 8270C: The laboratory control sample (LCS) for preparation batch 58223 exceeded control limits for the following analyte: Caprolactam. Caprolactam has been identified as a poor performing analyte when analyzed using this method; therefore, re-extraction/re-analysis was not performed.

Method(s) 8270C: The following compound was outside control limits in the continuing calibration verification (CCV) associated with batch 58387: Atrazine. This compound is not classified as a Calibration Check Compound (CCC) in the reference method. Due to the large number of analytes contained in the CCV, the laboratory's SOP allows for four analytes to be outside limits; therefore, the data have been reported.

Method(s) 8270C: The following compounds were outside control limits in the continuing calibration verification (CCV) associated with batch 58507: Atrazine and N-Nitrosodimethylamine. These compounds are not classified as Calibration Check Compounds (CCCs) in the reference method. Due to the large number of analytes contained in the CCV, the laboratory's SOP allows for four analytes to be outside limits; therefore, the data have been reported.

Method(s) 8270C: The laboratory control sample (LCS) for preparation batch 480-58302 exceeded control limits for the following analytes: 4-Nitrophenol and Atrazine. These analytes were biased high in the LCS and were not detected in the associated samples; therefore, the data have been reported.

Method(s) 8270C: The following samples were diluted due to the nature of the sample matrix: RB-03 (12"-24") (480-18068-3), RB-03 (6"-12") (480-18068-2), RB-05 (0-6") (480-18068-7). Elevated reporting limits (RLs) are provided.

Method(s) 8270C: The following sample was diluted due to the nature of the sample matrix: SB-A1 (15'-15'8") (480-18068-13). As such, surrogate recoveries were reduced to a level in which they do not provide useful information. Elevated reporting limits (RLs) are provided.

Method(s) 8270C: The following samples were diluted due to the nature of the sample matrix: RB-05 (12"-24") (480-18068-9), RB-05 (6"-12" (480-18068-8), RB-06 (0-6") (480-18068-10), RB-06 (12"-24") (480-18068-12), RB-06 (6"-12" (480-18068-11), SB-A2 (10'-11') (480-18068-14). Elevated reporting limits (RLs) are provided.

Method(s) 8270C: The matrix spike and matrix spike duplicate (MS/MSD) recoveries for preparation batch 58302 were outside control limits. The associated laboratory control sample (LCS) recovery met acceptance criteria, with the exception of 4-Nitrophenol. The analyte 4-Nitrophenol was bias high and not detected in the associated samples. The data has been qualified and reported.

Method(s) 8270C: The matrix spike and matrix spike duplicate (MS/MSD) precision for preparation batch 58302 was outside control limits. Corrective action is not required. The data has been qualified and reported.

No other analytical or quality issues were noted.

GC Semi VOA
Method(s) 8082: All primary data is reported from the ZB-35 column.

Method(s) 8082: The percent difference in a multi-component continuing calibration verification is assessed on the basis of the total amount, individual peak calculations are only listed for completeness.

No other analytical or quality issues were noted.

Metals
Method(s) 6010B: The Serial Dilution (480-18068-3 SD) in batch 480-58242, exhibited results outside the quality control limits for total aluminum, calcium, chromium, iron, magnesium, manganese, vanadium, and zinc. However, the Post Digestion Spike was compliant so no corrective action was necessary

Method(s) 6010B: The Matrix Spike/ Matrix Spike Duplicate (MS/MSD) recoveries for total aluminum in batch 480-58242 were outside control limits. Matrix interference is suspected. The associated Laboratory Control Sample (LCS) recovery met acceptance criteria, therefore no corrective action was necessary.

Method(s) 6010B: The Matrix Spike (MS) recovery for total barium in batch 480-58242 was outside control limits. Matrix interference is suspected. The associated Laboratory Control Sample (LCS) recovery met acceptance criteria, therefore no corrective action was necessary.

Method(s) 6010B: The Matrix Spike Duplicate (MSD) recoveries for total magnesium and antimony in batch 480-58242 were outside control limits. Matrix interference is suspected. The associated Laboratory Control Sample (LCS) recovery met acceptance criteria, therefore no corrective action was necessary

Method(s) 6010B: The Method Blank for batch 480-58242 contained total calcium, iron, manganese, and sodium above the method detection limits. These target analyte concentrations were less than the reporting limits (RLs); therefore, re-extraction and/or re-analysis of samples RB-03 (0-6") (480-18068-1), RB-03 (12"-24") (480-18068-3), RB-03 (6"-12") (480-18068-2), RB-04 (0-6") (480-18068-4), RB-04 (12"-24") (480-18068-6), RB-04 (6"-12" (480-18068-5), RB-05 (0-6") (480-18068-7), RB-05 (12"-24") (480-18068-9), RB-06 (0-6") (480-18068-10), RB-06 (6"-12" (480-18068-11) was not performed.

Method(s) 6010B: The Method Blank for batch 480-58242 contained total calcium, manganese, and sodium above the method detection limits. These target analyte concentrations were less than the reporting limits (RLs); therefore, re-extraction and/or re-analysis of samples RB-05 (6"-12" (480-18068-8), RB-06 (12"-24") (480-18068-12) was not performed

Method(s) 6010B: The following samples were diluted due to the abundance of target analyte total iron: RB-05 (6"-12" (480-18068-8), RB-06 (12"-24") (480-18068-12). Elevated reporting limits (RLs) are provided.

Method(s) 6010B: The following samples were diluted due to the abundance of target analyte total lead: RB-06 (6"-12" (480-18068-11). Elevated reporting limits (RLs) are provided.

Method(s) 7471A: The following sample was diluted due to the abundance of the target analyte total mercury: RB-06 (0-6") (480-18068-10), RB-06 (12"-24") (480-18068-12), RB-06 (6"-12" (480-18068-11). Elevated reporting limits (RLs) are provided.

.No other analytical or quality issues were noted.

Organic Prep
No analytical or quality issues were noted.

GC/MS VOA MANUAL INTEGRATION SUMMARY

Lab Name: TestAmerica Buffalo Job No.: 480-18068-1

SDG No.:

Instrument ID: HP5973G Analysis Batch Number: 55366

Lab Sample ID: STD 480-55366/10 IC Client Sample ID:

Date Analyzed: 03/15/12 17:01 Lab File ID: G9991.D GC Column: ZB-624 (60) ID: 0.25(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Dichlorofluoromethane	2.10	Split Peak	coderd	03/16/12 10:21

Lab Sample ID: STD 480-55366/11 IC Client Sample ID:

Date Analyzed: 03/15/12 17:23 Lab File ID: G9992.D GC Column: ZB-624 (60) ID: 0.25(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Pentachloroethane	10.33	Assign Peak	coderd	03/16/12 10:21

GC/MS VOA MANUAL INTEGRATION SUMMARY

Lab Name: TestAmerica Buffalo Job No.: 480-18068-1

SDG No.:

Instrument ID: HP5973G Analysis Batch Number: 56586

Lab Sample ID: STD 480-56586/3 IC Client Sample ID:

Date Analyzed: 03/24/12 01:37 Lab File ID: G10250.D GC Column: ZB-624 (60) ID: 0.25(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Vinyl chloride	1.49	Split Peak	coderd	03/24/12 09:56
Bromomethane	1.75	Assign Peak	coderd	03/24/12 09:59
Chloroethane	1.84	Assign Peak	coderd	03/24/12 09:56
Trichlorofluoromethane	2.05	Split Peak	coderd	03/24/12 09:56
1,1,2-Trichloro-1,2,2-trifluoroethane	2.55	Assign Peak	coderd	03/24/12 09:56
1,1-Dichloroethene	2.56	Split Peak	coderd	03/24/12 09:56
Iodomethane	2.72	Split Peak	coderd	03/24/12 09:56
Carbon disulfide	2.75	Split Peak	coderd	03/24/12 09:56
Methylene Chloride	3.07	Split Peak	coderd	03/24/12 09:56

Lab Sample ID: STD 480-56586/4 IC Client Sample ID:

Date Analyzed: 03/24/12 01:59 Lab File ID: G10251.D GC Column: ZB-624 (60) ID: 0.25(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
1,1,2-Trichloro-1,2,2-trifluoroethane	2.52	Split Peak	coderd	03/24/12 09:57
1,1-Dichloroethene	2.55	Split Peak	coderd	03/24/12 09:57
Iodomethane	2.71	Split Peak	coderd	03/24/12 09:57

Lab Sample ID: STD 480-56586/5 IC Client Sample ID:

Date Analyzed: 03/24/12 02:21 Lab File ID: G10252.D GC Column: ZB-624 (60) ID: 0.25(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
1,1,2-Trichloro-1,2,2-trifluoroethane	2.52	Split Peak	coderd	03/24/12 09:58
1,1-Dichloroethene	2.55	Split Peak	coderd	03/24/12 09:57
Iodomethane	2.72	Split Peak	coderd	03/24/12 09:58
Carbon disulfide	2.74	Split Peak	coderd	03/24/12 09:58

GC/MS VOA MANUAL INTEGRATION SUMMARY

Lab Name: TestAmerica Buffalo Job No.: 480-18068-1

SDG No.:

Instrument ID: HP5973G Analysis Batch Number: 56586

Lab Sample ID: STD 480-56586/6 ICIS Client Sample ID:

Date Analyzed: 03/24/12 02:43 Lab File ID: G10253.D GC Column: ZB-624 (60) ID: 0.25(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Chloroethane	1.91	Assign Peak	coderd	03/24/12 09:53
1,1,2-Trichloro-1,2,2-trifluoroethane	2.53	Assign Peak	coderd	03/24/12 09:53
Iodomethane	2.72	Split Peak	coderd	03/24/12 10:01

Lab Sample ID: STD 480-56586/7 IC Client Sample ID:

Date Analyzed: 03/24/12 03:05 Lab File ID: G10254.D GC Column: ZB-624 (60) ID: 0.25(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
1,1,2-Trichloro-1,2,2-trifluoroethane	2.53	Split Peak	coderd	03/24/12 09:59
1,1-Dichloroethene	2.55	Split Peak	coderd	03/24/12 09:59
Iodomethane	2.72	Split Peak	coderd	03/24/12 09:59

Lab Sample ID: STD 480-56586/8 IC Client Sample ID:

Date Analyzed: 03/24/12 03:26 Lab File ID: G10255.D GC Column: ZB-624 (60) ID: 0.25(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
1,1,2-Trichloro-1,2,2-trifluoroethane	2.53	Split Peak	coderd	03/24/12 10:00
Iodomethane	2.72	Split Peak	coderd	03/24/12 10:00

GC/MS SEMI VOA MANUAL INTEGRATION SUMMARY

Lab Name: TestAmerica Buffalo Job No.: 480-18068-1

SDG No.:

Instrument ID: HP5973X Analysis Batch Number: 53517

Lab Sample ID: IC 480-53517/2 Client Sample ID:

Date Analyzed: 03/01/12 14:12 Lab File ID: X3775.D GC Column: RXI-5Sil MS ID: 0.25(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Caprolactam	7.99	Assign Peak	pfenderk	03/01/12 15:33

GC/MS SEMI VOA MANUAL INTEGRATION SUMMARY

Lab Name: TestAmerica Buffalo Job No.: 480-18068-1

SDG No.:

Instrument ID: HP5973X Analysis Batch Number: 57955

Lab Sample ID: IC 480-57955/2 Client Sample ID:

Date Analyzed: 04/03/12 13:29 Lab File ID: X4780.D GC Column: RXI-5Sil MS ID: 0.25(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
N-Nitrosodimethylamine	2.86	Assign Peak	mckernar	04/03/12 14:45
Pyridine	2.98	Assign Peak	mckernar	04/03/12 14:45
2-Fluorophenol	4.42	Split Peak	mckernar	04/03/12 14:45
Benzyl alcohol	6.14	Peak Tail	mckernar	04/03/12 14:45
2,4-Dichlorophenol	7.32	Assign Peak	mckernar	04/03/12 14:45
2,4-Dinitrophenol	9.64	Assign Peak	mckernar	04/03/12 14:45
4-Nitrophenol	9.81	Split Peak	mckernar	04/03/12 15:20

Lab Sample ID: IC 480-57955/3 Client Sample ID:

Date Analyzed: 04/03/12 13:52 Lab File ID: X4781.D GC Column: RXI-5Sil MS ID: 0.25(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
N-Nitrosodimethylamine	2.83	Split Peak	mckernar	04/03/12 14:40
Pyridine	2.92	Split Peak	mckernar	04/03/12 14:40
2,4-Dinitrophenol	9.63	Split Peak	mckernar	04/03/12 14:40
4-Nitrophenol	9.80	Split Peak	mckernar	04/03/12 15:19
Pentachlorophenol	10.95	Assign Peak	mckernar	04/03/12 14:41

Lab Sample ID: ICIS 480-57955/4 Client Sample ID:

Date Analyzed: 04/03/12 14:16 Lab File ID: X4782.D GC Column: RXI-5Sil MS ID: 0.25(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
N-Nitrosodimethylamine	2.82	Split Peak	mckernar	04/03/12 14:38
Pyridine	2.89	Split Peak	mckernar	04/03/12 14:38
2,4-Dinitrophenol	9.63	Peak Tail	mckernar	04/03/12 14:38
4-Nitrophenol	9.77	Assign Peak	mckernar	04/03/12 14:38

GC/MS SEMI VOA MANUAL INTEGRATION SUMMARY

Lab Name: TestAmerica Buffalo Job No.: 480-18068-1

SDG No.:

Instrument ID: HP5973X Analysis Batch Number: 57955

Lab Sample ID: IC 480-57955/5 Client Sample ID:

Date Analyzed: 04/03/12 14:39 Lab File ID: X4783.D GC Column: RXI-5Sil MS ID: 0.25(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Pyridine	2.88	Split Peak	mckernar	04/03/12 15:19
4-Nitrophenol	9.77	Peak Tail	mckernar	04/03/12 15:19

Lab Sample ID: IC 480-57955/6 Client Sample ID:

Date Analyzed: 04/03/12 15:02 Lab File ID: X4784.D GC Column: RXI-5Sil MS ID: 0.25(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Pyridine	2.88	Split Peak	mckernar	04/03/12 15:37
4-Nitrophenol	9.77	Peak Tail	mckernar	04/03/12 15:37

Lab Sample ID: IC 480-57955/7 Client Sample ID:

Date Analyzed: 04/03/12 15:26 Lab File ID: X4785.D GC Column: RXI-5Sil MS ID: 0.25(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Pyridine	2.88	Split Peak	mckernar	04/03/12 16:31

GC/MS SEMI VOA MANUAL INTEGRATION SUMMARY

Lab Name: TestAmerica Buffalo Job No.: 480-18068-1

SDG No.:

Instrument ID: HP5973X Analysis Batch Number: 58387

Lab Sample ID: CCVIS 480-58387/2 Client Sample ID:

Date Analyzed: 04/06/12 00:20 Lab File ID: X4917.D GC Column: RXI-5Sil MS ID: 0.25(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Pyridine	2.77	Assign Peak	mckernar	04/06/12 09:50
4-Nitrophenol	9.73	Peak Tail	mckernar	04/06/12 09:50
Benzidine	12.35	Peak Tail	mckernar	04/06/12 09:50

Lab Sample ID: LCS 480-58223/2-A Client Sample ID:

Date Analyzed: 04/06/12 05:25 Lab File ID: X4930.D GC Column: RXI-5Sil MS ID: 0.25(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
4-Nitrophenol	9.72	Split Peak	mckernar	04/06/12 10:04

GC/MS SEMI VOA MANUAL INTEGRATION SUMMARY

Lab Name: TestAmerica Buffalo Job No.: 480-18068-1

SDG No.:

Instrument ID: HP5973X Analysis Batch Number: 58507

Lab Sample ID: CCVIS 480-58507/2 Client Sample ID:

Date Analyzed: 04/06/12 15:09 Lab File ID: X4952.D GC Column: RXI-5Sil MS ID: 0.25(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Pyridine	2.65	Split Peak	mckernar	04/06/12 15:38

Lab Sample ID: CCV 480-58507/3 Client Sample ID:

Date Analyzed: 04/06/12 15:33 Lab File ID: X4953.D GC Column: RXI-5Sil MS ID: 0.25(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Caprolactam	7.87	Split Peak	mckernar	04/06/12 15:53

Lab Sample ID: LCS 480-58302/2-A Client Sample ID:

Date Analyzed: 04/06/12 22:38 Lab File ID: X4971.D GC Column: RXI-5Sil MS ID: 0.25(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Caprolactam	7.94	Split Peak	mckernar	04/07/12 11:23

Lab Sample ID: 480-18068-2 Client Sample ID: RB-03 (6"-12")

Date Analyzed: 04/07/12 00:37 Lab File ID: X4976.D GC Column: RXI-5Sil MS ID: 0.25(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Benzo(b)fluoranthene	14.32	Coelution	mckernar	04/07/12 11:28
Benzo(k)fluoranthene	14.33	Coelution	mckernar	04/07/12 11:28

Lab Sample ID: 480-18068-3 Client Sample ID: RB-03 (12"-24")

Date Analyzed: 04/07/12 01:01 Lab File ID: X4977.D GC Column: RXI-5Sil MS ID: 0.25(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Benzo(b)fluoranthene	14.31	Coelution	mckernar	04/07/12 11:31
Benzo(k)fluoranthene	14.32	Coelution	mckernar	04/07/12 11:31

GC/MS SEMI VOA MANUAL INTEGRATION SUMMARY

Lab Name: TestAmerica Buffalo Job No.: 480-18068-1

SDG No.:

Instrument ID: HP5973X Analysis Batch Number: 58507

Lab Sample ID: 480-18068-4 Client Sample ID: RB-04 (0-6")

Date Analyzed: 04/07/12 01:25 Lab File ID: X4978.D GC Column: RXI-5Sil MS ID: 0.25(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Benzo(b)fluoranthene	14.32	Coelution	mckernar	04/07/12 11:32
Benzo(k)fluoranthene	14.33	Assign Peak	mckernar	04/07/12 11:32

Lab Sample ID: 480-18068-5 Client Sample ID: RB-04 (6"-12"

Date Analyzed: 04/07/12 01:49 Lab File ID: X4979.D GC Column: RXI-5Sil MS ID: 0.25(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Benzo(b)fluoranthene	14.32	Coelution	mckernar	04/07/12 11:34
Benzo(k)fluoranthene	14.34	Coelution	mckernar	04/07/12 11:34

Lab Sample ID: 480-18068-6 Client Sample ID: RB-04 (12"-24")

Date Analyzed: 04/07/12 02:12 Lab File ID: X4980.D GC Column: RXI-5Sil MS ID: 0.25(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Benzo(b)fluoranthene	14.32	Coelution	mckernar	04/07/12 11:35
Benzo(k)fluoranthene	14.33	Coelution	mckernar	04/07/12 11:35

GC/MS SEMI VOA MANUAL INTEGRATION SUMMARY

Lab Name: TestAmerica Buffalo Job No.: 480-18068-1

SDG No.:

Instrument ID: HP5973X Analysis Batch Number: 58716

Lab Sample ID: IC 480-58716/2 Client Sample ID:

Date Analyzed: 04/09/12 11:15 Lab File ID: X5074.D GC Column: RXI-5Sil MS ID: 0.25(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
N-Nitrosodimethylamine	2.90	Peak Tail	mckernar	04/09/12 12:31
Pyridine	2.97	Split Peak	mckernar	04/09/12 12:31

Lab Sample ID: IC 480-58716/5 Client Sample ID:

Date Analyzed: 04/09/12 12:29 Lab File ID: X5077.D GC Column: RXI-5Sil MS ID: 0.25(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Pyridine	2.96	Split Peak	mckernar	04/09/12 12:52

Lab Sample ID: IC 480-58716/8 Client Sample ID:

Date Analyzed: 04/09/12 13:41 Lab File ID: X5080.D GC Column: RXI-5Sil MS ID: 0.25(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Caprolactam	8.08	Assign Peak	mckernar	04/09/12 14:17

GC/MS SEMI VOA MANUAL INTEGRATION SUMMARY

Lab Name: TestAmerica Buffalo Job No.: 480-18068-1

SDG No.:

Instrument ID: HP5973X Analysis Batch Number: 58786

Lab Sample ID: 480-18068-1 Client Sample ID: RB-03 (0-6")

Date Analyzed: 04/09/12 18:40 Lab File ID: X5093.D GC Column: RXI-5Sil MS ID: 0.25(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Benzo(k)fluoranthene	14.53	Assign Peak	mckernar	04/10/12 10:39

Lab Sample ID: 480-18068-8 Client Sample ID: RB-05 (6"-12"

Date Analyzed: 04/09/12 19:04 Lab File ID: X5094.D GC Column: RXI-5Sil MS ID: 0.25(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Benzo(b)fluoranthene	14.52	Coelution	mckernar	04/10/12 10:41
Benzo(k)fluoranthene	14.54	Coelution	mckernar	04/10/12 10:41

Lab Sample ID: 480-18068-9 Client Sample ID: RB-05 (12"-24")

Date Analyzed: 04/09/12 19:28 Lab File ID: X5095.D GC Column: RXI-5Sil MS ID: 0.25(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Benzo(k)fluoranthene	14.53	Assign Peak	mckernar	04/10/12 10:46

Lab Sample ID: 480-18068-10 Client Sample ID: RB-06 (0-6")

Date Analyzed: 04/09/12 19:51 Lab File ID: X5096.D GC Column: RXI-5Sil MS ID: 0.25(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Benzo(k)fluoranthene	14.54	Assign Peak	mckernar	04/10/12 10:47

Lab Sample ID: 480-18068-11 Client Sample ID: RB-06 (6"-12"

Date Analyzed: 04/09/12 20:15 Lab File ID: X5097.D GC Column: RXI-5Sil MS ID: 0.25(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Benzo(k)fluoranthene	14.54	Assign Peak	mckernar	04/10/12 10:49

GC/MS SEMI VOA MANUAL INTEGRATION SUMMARY

Lab Name: TestAmerica Buffalo Job No.: 480-18068-1

SDG No.:

Instrument ID: HP5973X Analysis Batch Number: 58786

Lab Sample ID: 480-18068-12 Client Sample ID: RB-06 (12"-24")

Date Analyzed: 04/09/12 20:38 Lab File ID: X5098.D GC Column: RXI-5Sil MS ID: 0.25(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Benzo(k)fluoranthene	14.54	Assign Peak	mckernar	04/10/12 10:51

Lab Sample ID: 480-18068-13 Client Sample ID: SB-A1 (15'-15'8")

Date Analyzed: 04/09/12 21:02 Lab File ID: X5099.D GC Column: RXI-5Sil MS ID: 0.25(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Benzo(k)fluoranthene	14.54	Assign Peak	mckernar	04/10/12 10:52

Lab Sample ID: 480-18068-14 Client Sample ID: SB-A2 (10'-11')

Date Analyzed: 04/09/12 21:25 Lab File ID: X5100.D GC Column: RXI-5Sil MS ID: 0.25(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Benzo(k)fluoranthene	14.54	Assign Peak	mckernar	04/10/12 10:54

Lab Sample ID: 480-18068-15 Client Sample ID: SB-A3 (5'-6'1")

Date Analyzed: 04/09/12 21:48 Lab File ID: X5101.D GC Column: RXI-5Sil MS ID: 0.25(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Benzo(k)fluoranthene	14.55	Assign Peak	mckernar	04/10/12 10:56

Lab Sample ID: 480-18068-16 Client Sample ID: DUP-03

Date Analyzed: 04/09/12 22:12 Lab File ID: X5102.D GC Column: RXI-5Sil MS ID: 0.25(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Benzo(k)fluoranthene	14.56	Assign Peak	mckernar	04/10/12 10:58

PCBS MANUAL INTEGRATION SUMMARY

Lab Name: TestAmerica Buffalo Job No.: 480-18068-1

SDG No.:

Instrument ID: HP5890-12 Analysis Batch Number: 36827

Lab Sample ID: STD0025 480-36827/11 IC Client Sample ID:

Date Analyzed: 10/23/11 13:54 Lab File ID: 12_143_167.D GC Column: ZB-5 ID: 0.53(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
PCB-1260 Peak 1	4.73	Incomplete Integration	RudzG	10/24/11 17:41
PCB-1260 Peak 2	5.09	Incomplete Integration	RudzG	10/24/11 17:41
PCB-1260 Peak 3	5.31	Incomplete Integration	RudzG	10/24/11 17:41
PCB-1260 Peak 4	5.76	Incomplete Integration	RudzG	10/24/11 17:41

SAMPLE SUMMARY

Client: CHA Inc

Job Number: 480-18068-1

Lab Sample ID	Client Sample ID	Client Matrix	Date/Time Sampled	Date/Time Received
480-18068-1	RB-03 (0-6")	Solid	04/02/2012 1115	04/04/2012 0900
480-18068-2	RB-03 (6"-12")	Solid	04/02/2012 1220	04/04/2012 0900
480-18068-3	RB-03 (12"-24")	Solid	04/02/2012 1235	04/04/2012 0900
480-18068-4	RB-04 (0-6")	Solid	04/02/2012 1405	04/04/2012 0900
480-18068-5	RB-04 (6"-12"	Solid	04/02/2012 1422	04/04/2012 0900
480-18068-6	RB-04 (12"-24")	Solid	04/02/2012 1435	04/04/2012 0900
480-18068-7	RB-05 (0-6")	Solid	04/02/2012 1455	04/04/2012 0900
480-18068-8	RB-05 (6"-12"	Solid	04/02/2012 1510	04/04/2012 0900
480-18068-9	RB-05 (12"-24")	Solid	04/02/2012 1525	04/04/2012 0900
480-18068-10	RB-06 (0-6")	Solid	04/02/2012 1610	04/04/2012 0900
480-18068-11	RB-06 (6"-12"	Solid	04/02/2012 1625	04/04/2012 0900
480-18068-12	RB-06 (12"-24")	Solid	04/02/2012 1635	04/04/2012 0900
480-18068-13	SB-A1 (15'-15'8")	Solid	04/03/2012 0905	04/04/2012 0900
480-18068-14	SB-A2 (10'-11')	Solid	04/03/2012 0958	04/04/2012 0900
480-18068-15	SB-A3 (5'-6'1")	Solid	04/03/2012 1148	04/04/2012 0900
480-18068-15MS	SB-A3 (5'-6'1")	Solid	04/03/2012 1148	04/04/2012 0900
480-18068-15MSD	SB-A3 (5'-6'1")	Solid	04/03/2012 1148	04/04/2012 0900
480-18068-16	DUP-03	Solid	04/03/2012 1030	04/04/2012 0900
480-18068-17	EQUIPMENT BLANK	Water	04/03/2012 1210	04/04/2012 0900
480-18068-18	TRIP BLANK	Water	04/03/2012 0000	04/04/2012 0900

EXECUTIVE SUMMARY - Detections

Client: CHA Inc

Job Number: 480-18068-1

Lab Sample ID / Analyte	Client Sample ID	Result	Qualifier	Reporting Limit	Units	Method
480-18068-1	**RB-03 (0-6")**					
Ethylbenzene		0.49	J	5.4	ug/Kg	8260B
Xylenes, Total		1.4	J B	11	ug/Kg	8260B
2-Methylnaphthalene		5.3	J	220	ug/Kg	8270C
4-Methylphenol		21	J	440	ug/Kg	8270C
Acenaphthene		12	J	220	ug/Kg	8270C
Anthracene		30	J	220	ug/Kg	8270C
Benzo(a)anthracene		140	J	220	ug/Kg	8270C
Benzo(a)pyrene		170	J	220	ug/Kg	8270C
Benzo(b)fluoranthene		230		220	ug/Kg	8270C
Benzo(g,h,i)perylene		140	J	220	ug/Kg	8270C
Benzo(k)fluoranthene		87	J	220	ug/Kg	8270C
Chrysene		150	J	220	ug/Kg	8270C
Dibenz(a,h)anthracene		25	J	220	ug/Kg	8270C
Fluoranthene		270		220	ug/Kg	8270C
Indeno(1,2,3-cd)pyrene		120	J	220	ug/Kg	8270C
Phenanthrene		150	J	220	ug/Kg	8270C
Pyrene		230		220	ug/Kg	8270C
Aluminum		8280		13.9	mg/Kg	6010B
Arsenic		6.0		2.8	mg/Kg	6010B
Barium		78.8		0.69	mg/Kg	6010B
Beryllium		0.52		0.28	mg/Kg	6010B
Cadmium		0.31		0.28	mg/Kg	6010B
Calcium		18800	B	69.3	mg/Kg	6010B
Chromium		14.6		0.69	mg/Kg	6010B
Cobalt		8.9		0.69	mg/Kg	6010B
Copper		23.3		1.4	mg/Kg	6010B
Iron		19700	B	13.9	mg/Kg	6010B
Lead		18.5		1.4	mg/Kg	6010B
Magnesium		6220		27.7	mg/Kg	6010B
Manganese		632	B	0.28	mg/Kg	6010B
Nickel		21.2		6.9	mg/Kg	6010B
Potassium		1110		41.6	mg/Kg	6010B
Sodium		85.0	J B	194	mg/Kg	6010B
Vanadium		17.6		0.69	mg/Kg	6010B
Zinc		62.9		2.8	mg/Kg	6010B
Hg		0.049		0.026	mg/Kg	7471A
Percent Moisture		24		0.10	%	Moisture
Percent Solids		76		0.10	%	Moisture

EXECUTIVE SUMMARY - Detections

Client: CHA Inc

Job Number: 480-18068-1

Lab Sample ID / Analyte	Client Sample ID	Result	Qualifier	Reporting Limit	Units	Method
480-18068-2	**RB-03 (6"-12")**					
Xylenes, Total		1.3	J B	12	ug/Kg	8260B
Anthracene		190	J	1000	ug/Kg	8270C
Benzo(a)anthracene		1300		1000	ug/Kg	8270C
Benzo(a)pyrene		1700		1000	ug/Kg	8270C
Benzo(b)fluoranthene		2400		1000	ug/Kg	8270C
Benzo(g,h,i)perylene		1200		1000	ug/Kg	8270C
Benzo(k)fluoranthene		880	J	1000	ug/Kg	8270C
Chrysene		1600		1000	ug/Kg	8270C
Fluoranthene		1500		1000	ug/Kg	8270C
Indeno(1,2,3-cd)pyrene		1200		1000	ug/Kg	8270C
Phenanthrene		840	J	1000	ug/Kg	8270C
Pyrene		1500		1000	ug/Kg	8270C
Aluminum		6810		12.4	mg/Kg	6010B
Arsenic		7.1		2.5	mg/Kg	6010B
Barium		93.1		0.62	mg/Kg	6010B
Beryllium		0.45		0.25	mg/Kg	6010B
Cadmium		0.47		0.25	mg/Kg	6010B
Calcium		18200	B	62.2	mg/Kg	6010B
Chromium		17.6		0.62	mg/Kg	6010B
Cobalt		7.1		0.62	mg/Kg	6010B
Copper		45.8		1.2	mg/Kg	6010B
Iron		20300	B	12.4	mg/Kg	6010B
Lead		64.5		1.2	mg/Kg	6010B
Magnesium		5540		24.9	mg/Kg	6010B
Manganese		465	B	0.25	mg/Kg	6010B
Nickel		24.6		6.2	mg/Kg	6010B
Potassium		962		37.3	mg/Kg	6010B
Sodium		132	J B	174	mg/Kg	6010B
Vanadium		17.6		0.62	mg/Kg	6010B
Zinc		191		2.5	mg/Kg	6010B
Hg		0.28		0.024	mg/Kg	7471A
Percent Moisture		18		0.10	%	Moisture
Percent Solids		82		0.10	%	Moisture

EXECUTIVE SUMMARY - Detections

Client: CHA Inc

Job Number: 480-18068-1

Lab Sample ID / Analyte	Client Sample ID	Result	Qualifier	Reporting Limit	Units	Method
480-18068-3	**RB-03 (12"-24")**					
Ethylbenzene		0.46	J	5.6	ug/Kg	8260B
Xylenes, Total		1.4	J B	11	ug/Kg	8260B
Acenaphthene		360	J	1100	ug/Kg	8270C
Anthracene		670	J	1100	ug/Kg	8270C
Benzo(a)anthracene		2000		1100	ug/Kg	8270C
Benzo(a)pyrene		1800		1100	ug/Kg	8270C
Benzo(b)fluoranthene		2100		1100	ug/Kg	8270C
Benzo(g,h,i)perylene		780	J	1100	ug/Kg	8270C
Benzo(k)fluoranthene		1000	J	1100	ug/Kg	8270C
Carbazole		460	J	1100	ug/Kg	8270C
Chrysene		1900		1100	ug/Kg	8270C
Dibenzofuran		230	J	1100	ug/Kg	8270C
Fluoranthene		3500		1100	ug/Kg	8270C
Fluorene		310	J	1100	ug/Kg	8270C
Indeno(1,2,3-cd)pyrene		800	J	1100	ug/Kg	8270C
Naphthalene		290	J	1100	ug/Kg	8270C
Phenanthrene		3200		1100	ug/Kg	8270C
Pyrene		3200		1100	ug/Kg	8270C
Aluminum		7330		12.4	mg/Kg	6010B
Arsenic		5.4		2.5	mg/Kg	6010B
Barium		72.9		0.62	mg/Kg	6010B
Beryllium		0.48		0.25	mg/Kg	6010B
Cadmium		0.28		0.25	mg/Kg	6010B
Calcium		19500	B	62.2	mg/Kg	6010B
Chromium		13.1		0.62	mg/Kg	6010B
Cobalt		8.2		0.62	mg/Kg	6010B
Copper		22.0		1.2	mg/Kg	6010B
Iron		17800	B	12.4	mg/Kg	6010B
Lead		18.0		1.2	mg/Kg	6010B
Magnesium		6670		24.9	mg/Kg	6010B
Manganese		468	B	0.25	mg/Kg	6010B
Nickel		19.3		6.2	mg/Kg	6010B
Potassium		972		37.3	mg/Kg	6010B
Sodium		68.2	J B	174	mg/Kg	6010B
Vanadium		15.6		0.62	mg/Kg	6010B
Zinc		58.2		2.5	mg/Kg	6010B
Hg		0.052		0.023	mg/Kg	7471A
Percent Moisture		23		0.10	%	Moisture
Percent Solids		77		0.10	%	Moisture

EXECUTIVE SUMMARY - Detections

Client: CHA Inc

Job Number: 480-18068-1

Lab Sample ID / Analyte	Client Sample ID	Result	Qualifier	Reporting Limit	Units	Method
480-18068-4	**RB-04 (0-6")**					
Xylenes, Total		1.2	J B	13	ug/Kg	8260B
Acenaphthene		10	J	230	ug/Kg	8270C
Anthracene		33	J	230	ug/Kg	8270C
Benzo(a)anthracene		120	J	230	ug/Kg	8270C
Benzo(a)pyrene		150	J	230	ug/Kg	8270C
Benzo(b)fluoranthene		200	J	230	ug/Kg	8270C
Benzo(g,h,i)perylene		59	J	230	ug/Kg	8270C
Benzo(k)fluoranthene		70	J	230	ug/Kg	8270C
Chrysene		180	J	230	ug/Kg	8270C
Fluoranthene		240		230	ug/Kg	8270C
Indeno(1,2,3-cd)pyrene		65	J	230	ug/Kg	8270C
Phenanthrene		170	J	230	ug/Kg	8270C
Pyrene		200	J	230	ug/Kg	8270C
Aluminum		7930		14.2	mg/Kg	6010B
Arsenic		5.6		2.8	mg/Kg	6010B
Barium		67.9		0.71	mg/Kg	6010B
Beryllium		0.52		0.28	mg/Kg	6010B
Cadmium		0.28		0.28	mg/Kg	6010B
Calcium		18600	B	71.1	mg/Kg	6010B
Chromium		13.8		0.71	mg/Kg	6010B
Cobalt		8.0		0.71	mg/Kg	6010B
Copper		18.6		1.4	mg/Kg	6010B
Iron		18100	B	14.2	mg/Kg	6010B
Lead		15.4		1.4	mg/Kg	6010B
Magnesium		6460		28.5	mg/Kg	6010B
Manganese		441	B	0.28	mg/Kg	6010B
Nickel		18.8		7.1	mg/Kg	6010B
Potassium		1090		42.7	mg/Kg	6010B
Sodium		80.3	J B	199	mg/Kg	6010B
Vanadium		17.3		0.71	mg/Kg	6010B
Zinc		62.5		2.8	mg/Kg	6010B
Hg		0.042		0.025	mg/Kg	7471A
Percent Moisture		25		0.10	%	Moisture
Percent Solids		75		0.10	%	Moisture

EXECUTIVE SUMMARY - Detections

Client: CHA Inc

Job Number: 480-18068-1

Lab Sample ID / Analyte	Client Sample ID	Result	Qualifier	Reporting Limit	Units	Method
480-18068-5	**RB-04 (6"-12"**					
Xylenes, Total		1.2	J B	11	ug/Kg	8260B
Anthracene		36	J	230	ug/Kg	8270C
Benzo(a)anthracene		130	J	230	ug/Kg	8270C
Benzo(a)pyrene		120	J	230	ug/Kg	8270C
Benzo(b)fluoranthene		160	J	230	ug/Kg	8270C
Benzo(k)fluoranthene		47	J	230	ug/Kg	8270C
Chrysene		160	J	230	ug/Kg	8270C
Fluoranthene		230		230	ug/Kg	8270C
Indeno(1,2,3-cd)pyrene		56	J	230	ug/Kg	8270C
Phenanthrene		150	J	230	ug/Kg	8270C
Pyrene		170	J	230	ug/Kg	8270C
Aluminum		7750		13.8	mg/Kg	6010B
Arsenic		6.0		2.8	mg/Kg	6010B
Barium		74.8		0.69	mg/Kg	6010B
Beryllium		0.51		0.28	mg/Kg	6010B
Cadmium		0.34		0.28	mg/Kg	6010B
Calcium		26900	B	69.2	mg/Kg	6010B
Chromium		17.2		0.69	mg/Kg	6010B
Cobalt		8.3		0.69	mg/Kg	6010B
Copper		21.9		1.4	mg/Kg	6010B
Iron		18300	B	13.8	mg/Kg	6010B
Lead		19.5		1.4	mg/Kg	6010B
Magnesium		10400		27.7	mg/Kg	6010B
Manganese		502	B	0.28	mg/Kg	6010B
Nickel		20.0		6.9	mg/Kg	6010B
Potassium		1080		41.5	mg/Kg	6010B
Sodium		85.9	J B	194	mg/Kg	6010B
Vanadium		17.0		0.69	mg/Kg	6010B
Zinc		67.7		2.8	mg/Kg	6010B
Hg		0.060		0.025	mg/Kg	7471A
Percent Moisture		26		0.10	%	Moisture
Percent Solids		74		0.10	%	Moisture

EXECUTIVE SUMMARY - Detections

Client: CHA Inc

Job Number: 480-18068-1

Lab Sample ID / Analyte	Client Sample ID	Result	Qualifier	Reporting Limit	Units	Method
480-18068-6	**RB-04 (12"-24")**					
Xylenes, Total		0.97	J B	11	ug/Kg	8260B
Acenaphthene		80	J	230	ug/Kg	8270C
Acenaphthylene		17	J	230	ug/Kg	8270C
Anthracene		160	J	230	ug/Kg	8270C
Benzo(a)anthracene		490		230	ug/Kg	8270C
Benzo(a)pyrene		450		230	ug/Kg	8270C
Benzo(b)fluoranthene		470		230	ug/Kg	8270C
Benzo(g,h,i)perylene		140	J	230	ug/Kg	8270C
Benzo(k)fluoranthene		230		230	ug/Kg	8270C
Carbazole		67	J	230	ug/Kg	8270C
Chrysene		450		230	ug/Kg	8270C
Dibenzofuran		49	J	230	ug/Kg	8270C
Fluoranthene		880		230	ug/Kg	8270C
Fluorene		84	J	230	ug/Kg	8270C
Indeno(1,2,3-cd)pyrene		160	J	230	ug/Kg	8270C
Naphthalene		45	J	230	ug/Kg	8270C
Phenanthrene		700		230	ug/Kg	8270C
Pyrene		880		230	ug/Kg	8270C
Aluminum		8820		14.2	mg/Kg	6010B
Arsenic		6.7		2.8	mg/Kg	6010B
Barium		88.1		0.71	mg/Kg	6010B
Beryllium		0.57		0.28	mg/Kg	6010B
Cadmium		0.37		0.28	mg/Kg	6010B
Calcium		25300	B	71.2	mg/Kg	6010B
Chromium		16.1		0.71	mg/Kg	6010B
Cobalt		9.3		0.71	mg/Kg	6010B
Copper		23.9		1.4	mg/Kg	6010B
Iron		20500	B	14.2	mg/Kg	6010B
Lead		23.1		1.4	mg/Kg	6010B
Magnesium		8530		28.5	mg/Kg	6010B
Manganese		579	B	0.28	mg/Kg	6010B
Nickel		22.1		7.1	mg/Kg	6010B
Potassium		1240		42.7	mg/Kg	6010B
Sodium		89.1	J B	199	mg/Kg	6010B
Vanadium		18.5		0.71	mg/Kg	6010B
Zinc		72.7		2.8	mg/Kg	6010B
Hg		0.057		0.027	mg/Kg	7471A
Percent Moisture		26		0.10	%	Moisture
Percent Solids		74		0.10	%	Moisture

EXECUTIVE SUMMARY - Detections

Client: CHA Inc

Job Number: 480-18068-1

Lab Sample ID / Analyte	Client Sample ID	Result	Qualifier	Reporting Limit	Units	Method
480-18068-7	**RB-05 (0-6")**					
Trichloroethene		5.1	J	6.5	ug/Kg	8260B
Xylenes, Total		1.5	J B	13	ug/Kg	8260B
2-Methylnaphthalene		1900	J	2200	ug/Kg	8270C
Acenaphthene		3300		2200	ug/Kg	8270C
Acenaphthylene		920	J	2200	ug/Kg	8270C
Anthracene		4400		2200	ug/Kg	8270C
Benzo(a)anthracene		11000		2200	ug/Kg	8270C
Benzo(a)pyrene		11000		2200	ug/Kg	8270C
Benzo(b)fluoranthene		17000		2200	ug/Kg	8270C
Benzo(g,h,i)perylene		4000		2200	ug/Kg	8270C
Biphenyl		650	J	2200	ug/Kg	8270C
Carbazole		2700		2200	ug/Kg	8270C
Chrysene		11000		2200	ug/Kg	8270C
Dibenz(a,h)anthracene		850	J	2200	ug/Kg	8270C
Dibenzofuran		2800		2200	ug/Kg	8270C
Fluoranthene		22000		2200	ug/Kg	8270C
Fluorene		3800		2200	ug/Kg	8270C
Indeno(1,2,3-cd)pyrene		4000		2200	ug/Kg	8270C
Naphthalene		5600		2200	ug/Kg	8270C
Phenanthrene		23000		2200	ug/Kg	8270C
Pyrene		22000		2200	ug/Kg	8270C
Aluminum		5810		12.0	mg/Kg	6010B
Antimony		0.92	J	18.0	mg/Kg	6010B
Arsenic		23.2		2.4	mg/Kg	6010B
Barium		72.9		0.60	mg/Kg	6010B
Beryllium		0.44		0.24	mg/Kg	6010B
Cadmium		0.44		0.24	mg/Kg	6010B
Calcium		9130	B	60.1	mg/Kg	6010B
Chromium		21.0		0.60	mg/Kg	6010B
Cobalt		8.7		0.60	mg/Kg	6010B
Copper		241		1.2	mg/Kg	6010B
Iron		38400	B	12.0	mg/Kg	6010B
Lead		127		1.2	mg/Kg	6010B
Magnesium		3270		24.0	mg/Kg	6010B
Manganese		419	B	0.24	mg/Kg	6010B
Nickel		22.4		6.0	mg/Kg	6010B
Potassium		818		36.1	mg/Kg	6010B
Sodium		73.3	J B	168	mg/Kg	6010B
Vanadium		22.3		0.60	mg/Kg	6010B
Zinc		110		2.4	mg/Kg	6010B
Hg		0.44		0.026	mg/Kg	7471A
Percent Moisture		22		0.10	%	Moisture
Percent Solids		78		0.10	%	Moisture

EXECUTIVE SUMMARY - Detections

Client: CHA Inc

Job Number: 480-18068-1

Lab Sample ID / Analyte	Client Sample ID	Result	Qualifier	Reporting Limit	Units	Method
480-18068-8	**RB-05 (6"-12"**					
Trichloroethene		24		5.8	ug/Kg	8260B
Xylenes, Total		1.0	J B	12	ug/Kg	8260B
2-Methylnaphthalene		120	J	950	ug/Kg	8270C
Acenaphthene		120	J	950	ug/Kg	8270C
Acenaphthylene		310	J	950	ug/Kg	8270C
Anthracene		460	J	950	ug/Kg	8270C
Benzo(a)anthracene		2400		950	ug/Kg	8270C
Benzo(a)pyrene		2800		950	ug/Kg	8270C
Benzo(b)fluoranthene		3400		950	ug/Kg	8270C
Benzo(g,h,i)perylene		2000		950	ug/Kg	8270C
Benzo(k)fluoranthene		1400		950	ug/Kg	8270C
Carbazole		260	J	950	ug/Kg	8270C
Chrysene		2600		950	ug/Kg	8270C
Dibenz(a,h)anthracene		540	J	950	ug/Kg	8270C
Dibenzofuran		130	J	950	ug/Kg	8270C
Fluoranthene		4400		950	ug/Kg	8270C
Fluorene		120	J	950	ug/Kg	8270C
Indeno(1,2,3-cd)pyrene		1800		950	ug/Kg	8270C
Naphthalene		160	J	950	ug/Kg	8270C
Phenanthrene		2100		950	ug/Kg	8270C
Pyrene		3900		950	ug/Kg	8270C
Aluminum		5290		11.0	mg/Kg	6010B
Arsenic		15.1		2.2	mg/Kg	6010B
Barium		61.3		0.55	mg/Kg	6010B
Beryllium		0.45		0.22	mg/Kg	6010B
Cadmium		0.28		0.22	mg/Kg	6010B
Calcium		7200	B	54.9	mg/Kg	6010B
Chromium		16.7		0.55	mg/Kg	6010B
Cobalt		9.6		0.55	mg/Kg	6010B
Copper		84.3		1.1	mg/Kg	6010B
Iron		50700	B	54.9	mg/Kg	6010B
Lead		59.6		1.1	mg/Kg	6010B
Magnesium		2460		22.0	mg/Kg	6010B
Manganese		432	B	0.22	mg/Kg	6010B
Nickel		21.4		5.5	mg/Kg	6010B
Potassium		733		32.9	mg/Kg	6010B
Sodium		68.9	J B	154	mg/Kg	6010B
Vanadium		17.8		0.55	mg/Kg	6010B
Zinc		63.4		2.2	mg/Kg	6010B
Hg		0.29		0.024	mg/Kg	7471A
Percent Moisture		13		0.10	%	Moisture
Percent Solids		87		0.10	%	Moisture

EXECUTIVE SUMMARY - Detections

Client: CHA Inc

Job Number: 480-18068-1

Lab Sample ID / Analyte	Client Sample ID	Result	Qualifier	Reporting Limit	Units	Method
480-18068-9	**RB-05 (12"-24")**					
Trichloroethene		23		5.3	ug/Kg	8260B
2-Methylnaphthalene		570	J	2000	ug/Kg	8270C
Acenaphthene		1000	J	2000	ug/Kg	8270C
Acenaphthylene		450	J	2000	ug/Kg	8270C
Anthracene		1600	J	2000	ug/Kg	8270C
Benzo(a)anthracene		5100		2000	ug/Kg	8270C
Benzo(a)pyrene		6200		2000	ug/Kg	8270C
Benzo(b)fluoranthene		7700		2000	ug/Kg	8270C
Benzo(g,h,i)perylene		4300		2000	ug/Kg	8270C
Benzo(k)fluoranthene		2900		2000	ug/Kg	8270C
Biphenyl		140	J	2000	ug/Kg	8270C
Carbazole		1300	J	2000	ug/Kg	8270C
Chrysene		5600		2000	ug/Kg	8270C
Dibenz(a,h)anthracene		1300	J	2000	ug/Kg	8270C
Dibenzofuran		920	J	2000	ug/Kg	8270C
Fluoranthene		12000		2000	ug/Kg	8270C
Fluorene		990	J	2000	ug/Kg	8270C
Indeno(1,2,3-cd)pyrene		4000		2000	ug/Kg	8270C
Naphthalene		1700	J	2000	ug/Kg	8270C
Phenanthrene		9400		2000	ug/Kg	8270C
Pyrene		9700		2000	ug/Kg	8270C
Aluminum		5370		11.0	mg/Kg	6010B
Arsenic		12.0		2.2	mg/Kg	6010B
Barium		56.2		0.55	mg/Kg	6010B
Beryllium		0.45		0.22	mg/Kg	6010B
Cadmium		0.25		0.22	mg/Kg	6010B
Calcium		4510	B	54.8	mg/Kg	6010B
Chromium		15.8		0.55	mg/Kg	6010B
Cobalt		8.0		0.55	mg/Kg	6010B
Copper		83.2		1.1	mg/Kg	6010B
Iron		22400	B	11.0	mg/Kg	6010B
Lead		71.7		1.1	mg/Kg	6010B
Magnesium		2000		21.9	mg/Kg	6010B
Manganese		331	B	0.22	mg/Kg	6010B
Nickel		18.9		5.5	mg/Kg	6010B
Potassium		790		32.9	mg/Kg	6010B
Sodium		64.9	J B	153	mg/Kg	6010B
Vanadium		19.1		0.55	mg/Kg	6010B
Zinc		65.1		2.2	mg/Kg	6010B
Hg		0.30		0.024	mg/Kg	7471A
Percent Moisture		16		0.10	%	Moisture
Percent Solids		84		0.10	%	Moisture

EXECUTIVE SUMMARY - Detections

Client: CHA Inc

Job Number: 480-18068-1

Lab Sample ID / Analyte	Client Sample ID	Result	Qualifier	Reporting Limit	Units	Method
480-18068-10	**RB-06 (0-6")**					
2-Methylnaphthalene		130	J	920	ug/Kg	8270C
Acenaphthene		95	J	920	ug/Kg	8270C
Acenaphthylene		150	J	920	ug/Kg	8270C
Anthracene		290	J	920	ug/Kg	8270C
Benzo(a)anthracene		1900		920	ug/Kg	8270C
Benzo(a)pyrene		2900		920	ug/Kg	8270C
Benzo(b)fluoranthene		4100		920	ug/Kg	8270C
Benzo(g,h,i)perylene		3100		920	ug/Kg	8270C
Benzo(k)fluoranthene		1800		920	ug/Kg	8270C
Carbazole		160	J	920	ug/Kg	8270C
Chrysene		2600		920	ug/Kg	8270C
Dibenz(a,h)anthracene		870	J	920	ug/Kg	8270C
Dibenzofuran		80	J	920	ug/Kg	8270C
Fluoranthene		2700		920	ug/Kg	8270C
Fluorene		86	J	920	ug/Kg	8270C
Indeno(1,2,3-cd)pyrene		2600		920	ug/Kg	8270C
Naphthalene		110	J	920	ug/Kg	8270C
Phenanthrene		1200		920	ug/Kg	8270C
Pyrene		2500		920	ug/Kg	8270C
Aluminum		4550		10.6	mg/Kg	6010B
Antimony		2.0	J	15.9	mg/Kg	6010B
Arsenic		55.3		2.1	mg/Kg	6010B
Barium		77.8		0.53	mg/Kg	6010B
Beryllium		0.44		0.21	mg/Kg	6010B
Cadmium		0.30		0.21	mg/Kg	6010B
Calcium		26900	B	53.0	mg/Kg	6010B
Chromium		23.8		0.53	mg/Kg	6010B
Cobalt		7.3		0.53	mg/Kg	6010B
Copper		147		1.1	mg/Kg	6010B
Iron		30000	B	10.6	mg/Kg	6010B
Lead		142		1.1	mg/Kg	6010B
Magnesium		1950		21.2	mg/Kg	6010B
Manganese		327	B	0.21	mg/Kg	6010B
Nickel		26.3		5.3	mg/Kg	6010B
Potassium		655		31.8	mg/Kg	6010B
Selenium		1.2	J	4.2	mg/Kg	6010B
Sodium		75.2	J B	148	mg/Kg	6010B
Vanadium		17.4		0.53	mg/Kg	6010B
Zinc		98.5		2.1	mg/Kg	6010B
Hg		3.0		0.21	mg/Kg	7471A
Percent Moisture		10		0.10	%	Moisture
Percent Solids		90		0.10	%	Moisture

EXECUTIVE SUMMARY - Detections

Client: CHA Inc

Job Number: 480-18068-1

Lab Sample ID / Analyte	Client Sample ID	Result	Qualifier	Reporting Limit	Units	Method
480-18068-11	**RB-06 (6"-12"**					
Xylenes, Total		1.1	J B	13	ug/Kg	8260B
2-Methylnaphthalene		110	J	960	ug/Kg	8270C
Acenaphthene		79	J	960	ug/Kg	8270C
Acenaphthylene		150	J	960	ug/Kg	8270C
Anthracene		290	J	960	ug/Kg	8270C
Benzo(a)anthracene		1800		960	ug/Kg	8270C
Benzo(a)pyrene		2400		960	ug/Kg	8270C
Benzo(b)fluoranthene		3600		960	ug/Kg	8270C
Benzo(g,h,i)perylene		2000		960	ug/Kg	8270C
Benzo(k)fluoranthene		1100		960	ug/Kg	8270C
Carbazole		140	J	960	ug/Kg	8270C
Chrysene		2100		960	ug/Kg	8270C
Dibenz(a,h)anthracene		680	J	960	ug/Kg	8270C
Dibenzofuran		74	J	960	ug/Kg	8270C
Fluoranthene		2400		960	ug/Kg	8270C
Fluorene		73	J	960	ug/Kg	8270C
Indeno(1,2,3-cd)pyrene		1800		960	ug/Kg	8270C
Naphthalene		77	J	960	ug/Kg	8270C
Phenanthrene		1300		960	ug/Kg	8270C
Pyrene		2300		960	ug/Kg	8270C
Aluminum		5100		12.2	mg/Kg	6010B
Antimony		4.6	J	18.3	mg/Kg	6010B
Arsenic		35.2		2.4	mg/Kg	6010B
Barium		83.4		0.61	mg/Kg	6010B
Beryllium		0.49		0.24	mg/Kg	6010B
Cadmium		0.37		0.24	mg/Kg	6010B
Calcium		5340	B	61.1	mg/Kg	6010B
Chromium		16.7		0.61	mg/Kg	6010B
Cobalt		7.4		0.61	mg/Kg	6010B
Copper		113		1.2	mg/Kg	6010B
Iron		28700	B	12.2	mg/Kg	6010B
Lead		9840		6.1	mg/Kg	6010B
Magnesium		1860		24.4	mg/Kg	6010B
Manganese		299	B	0.24	mg/Kg	6010B
Nickel		22.6		6.1	mg/Kg	6010B
Potassium		733		36.7	mg/Kg	6010B
Sodium		76.3	J B	171	mg/Kg	6010B
Vanadium		18.0		0.61	mg/Kg	6010B
Zinc		75.3		2.4	mg/Kg	6010B
Hg		2.4		0.22	mg/Kg	7471A
Percent Moisture		12		0.10	%	Moisture
Percent Solids		88		0.10	%	Moisture

EXECUTIVE SUMMARY - Detections

Client: CHA Inc

Job Number: 480-18068-1

Lab Sample ID / Analyte	Client Sample ID	Result	Qualifier	Reporting Limit	Units	Method
480-18068-12	**RB-06 (12"-24")**					
2-Methylnaphthalene		130	J	1900	ug/Kg	8270C
Acenaphthene		110	J	1900	ug/Kg	8270C
Anthracene		340	J	1900	ug/Kg	8270C
Benzo(a)anthracene		1800	J	1900	ug/Kg	8270C
Benzo(a)pyrene		2500		1900	ug/Kg	8270C
Benzo(b)fluoranthene		3400		1900	ug/Kg	8270C
Benzo(g,h,i)perylene		2200		1900	ug/Kg	8270C
Benzo(k)fluoranthene		1400	J	1900	ug/Kg	8270C
Carbazole		160	J	1900	ug/Kg	8270C
Chrysene		2200		1900	ug/Kg	8270C
Dibenz(a,h)anthracene		690	J	1900	ug/Kg	8270C
Fluoranthene		2700		1900	ug/Kg	8270C
Indeno(1,2,3-cd)pyrene		1900		1900	ug/Kg	8270C
Phenanthrene		1500	J	1900	ug/Kg	8270C
Pyrene		2400		1900	ug/Kg	8270C
Aluminum		5610		11.2	mg/Kg	6010B
Antimony		2.1	J	16.9	mg/Kg	6010B
Arsenic		40.8		2.2	mg/Kg	6010B
Barium		84.0		0.56	mg/Kg	6010B
Beryllium		0.58		0.22	mg/Kg	6010B
Cadmium		0.30		0.22	mg/Kg	6010B
Calcium		6170	B	56.2	mg/Kg	6010B
Chromium		24.0		0.56	mg/Kg	6010B
Cobalt		7.5		0.56	mg/Kg	6010B
Copper		199		1.1	mg/Kg	6010B
Iron		51600	B	56.2	mg/Kg	6010B
Lead		347		1.1	mg/Kg	6010B
Magnesium		2120		22.5	mg/Kg	6010B
Manganese		362	B	0.22	mg/Kg	6010B
Nickel		26.0		5.6	mg/Kg	6010B
Potassium		857		33.7	mg/Kg	6010B
Sodium		102	J B	157	mg/Kg	6010B
Vanadium		21.8		0.56	mg/Kg	6010B
Zinc		82.2		2.2	mg/Kg	6010B
Hg		1.8		0.23	mg/Kg	7471A
Percent Moisture		11		0.10	%	Moisture
Percent Solids		89		0.10	%	Moisture

EXECUTIVE SUMMARY - Detections

Client: CHA Inc

Job Number: 480-18068-1

Lab Sample ID / Analyte	Client Sample ID	Result	Qualifier	Reporting Limit	Units	Method
480-18068-13	**SB-A1 (15'-15'8")**					
Trichloroethene		3.7	J	7.1	ug/Kg	8260B
2-Methylnaphthalene		3200	J	4000	ug/Kg	8270C
Acenaphthene		4600		4000	ug/Kg	8270C
Acenaphthylene		770	J	4000	ug/Kg	8270C
Anthracene		8300		4000	ug/Kg	8270C
Benzo(a)anthracene		14000		4000	ug/Kg	8270C
Benzo(a)pyrene		14000		4000	ug/Kg	8270C
Benzo(b)fluoranthene		17000		4000	ug/Kg	8270C
Benzo(g,h,i)perylene		8800		4000	ug/Kg	8270C
Benzo(k)fluoranthene		5700		4000	ug/Kg	8270C
Biphenyl		740	J	4000	ug/Kg	8270C
Carbazole		3400	J	4000	ug/Kg	8270C
Chrysene		15000		4000	ug/Kg	8270C
Dibenz(a,h)anthracene		2800	J	4000	ug/Kg	8270C
Dibenzofuran		3400	J	4000	ug/Kg	8270C
Fluoranthene		30000		4000	ug/Kg	8270C
Fluorene		4900		4000	ug/Kg	8270C
Indeno(1,2,3-cd)pyrene		8400		4000	ug/Kg	8270C
Naphthalene		6200		4000	ug/Kg	8270C
Phenanthrene		30000		4000	ug/Kg	8270C
Pyrene		26000		4000	ug/Kg	8270C
Percent Moisture		17		0.10	%	Moisture
Percent Solids		83		0.10	%	Moisture

EXECUTIVE SUMMARY - Detections

Client: CHA Inc

Job Number: 480-18068-1

Lab Sample ID / Analyte	Client Sample ID	Result	Qualifier	Reporting Limit	Units	Method
480-18068-14	**SB-A2 (10'-11')**					
2-Butanone (MEK)		2.8	J	28	ug/Kg	8260B
Acetone		12	J	28	ug/Kg	8260B
Toluene		0.65	J	5.6	ug/Kg	8260B
2-Methylnaphthalene		48	J	900	ug/Kg	8270C
Acenaphthene		170	J	900	ug/Kg	8270C
Acenaphthylene		140	J	900	ug/Kg	8270C
Anthracene		590	J	900	ug/Kg	8270C
Benzo(a)anthracene		2000		900	ug/Kg	8270C
Benzo(a)pyrene		1900		900	ug/Kg	8270C
Benzo(b)fluoranthene		2500		900	ug/Kg	8270C
Benzo(g,h,i)perylene		1100		900	ug/Kg	8270C
Benzo(k)fluoranthene		890	J	900	ug/Kg	8270C
Carbazole		250	J	900	ug/Kg	8270C
Chrysene		2000		900	ug/Kg	8270C
Dibenz(a,h)anthracene		370	J	900	ug/Kg	8270C
Dibenzofuran		98	J	900	ug/Kg	8270C
Fluoranthene		4000		900	ug/Kg	8270C
Fluorene		190	J	900	ug/Kg	8270C
Indeno(1,2,3-cd)pyrene		1100		900	ug/Kg	8270C
Naphthalene		75	J	900	ug/Kg	8270C
Phenanthrene		2500		900	ug/Kg	8270C
Pyrene		3200		900	ug/Kg	8270C
Percent Moisture		8.1		0.10	%	Moisture
Percent Solids		92		0.10	%	Moisture

EXECUTIVE SUMMARY - Detections

Client: CHA Inc

Job Number: 480-18068-1

Lab Sample ID / Analyte	Client Sample ID	Result	Qualifier	Reporting Limit	Units	Method
480-18068-15	**SB-A3 (5'-6'1")**					
2-Methylnaphthalene		150	J	180	ug/Kg	8270C
4-Methylphenol		27	J	350	ug/Kg	8270C
Acenaphthene		430		180	ug/Kg	8270C
Acenaphthylene		57	J	180	ug/Kg	8270C
Anthracene		1100		180	ug/Kg	8270C
Benzo(a)anthracene		1800		180	ug/Kg	8270C
Benzo(a)pyrene		1600		180	ug/Kg	8270C
Benzo(b)fluoranthene		1800		180	ug/Kg	8270C
Benzo(g,h,i)perylene		830		180	ug/Kg	8270C
Benzo(k)fluoranthene		930		180	ug/Kg	8270C
Biphenyl		56	J	180	ug/Kg	8270C
Carbazole		550		180	ug/Kg	8270C
Chrysene		1700		180	ug/Kg	8270C
Dibenz(a,h)anthracene		280		180	ug/Kg	8270C
Dibenzofuran		400		180	ug/Kg	8270C
Diethyl phthalate		15	J	180	ug/Kg	8270C
Fluoranthene		4100		180	ug/Kg	8270C
Fluorene		630		180	ug/Kg	8270C
Indeno(1,2,3-cd)pyrene		850		180	ug/Kg	8270C
Naphthalene		520		180	ug/Kg	8270C
Phenanthrene		4100		180	ug/Kg	8270C
Phenol		21	J	180	ug/Kg	8270C
Pyrene		3300		180	ug/Kg	8270C
Percent Moisture		6.5		0.10	%	Moisture
Percent Solids		94		0.10	%	Moisture

EXECUTIVE SUMMARY - Detections

Client: CHA Inc

Job Number: 480-18068-1

Lab Sample ID / Analyte	Client Sample ID	Result	Qualifier	Reporting Limit	Units	Method
480-18068-16	**DUP-03**					
2-Butanone (MEK)		5.1	J	28	ug/Kg	8260B
Acetone		23	J	28	ug/Kg	8260B
Ethylbenzene		0.60	J	5.7	ug/Kg	8260B
Toluene		1.0	J	5.7	ug/Kg	8260B
Xylenes, Total		1.4	J	11	ug/Kg	8260B
2-Methylnaphthalene		36	J	190	ug/Kg	8270C
Acenaphthene		97	J	190	ug/Kg	8270C
Acenaphthylene		120	J	190	ug/Kg	8270C
Anthracene		380		190	ug/Kg	8270C
Benzo(a)anthracene		1300		190	ug/Kg	8270C
Benzo(a)pyrene		1300		190	ug/Kg	8270C
Benzo(b)fluoranthene		1400		190	ug/Kg	8270C
Benzo(g,h,i)perylene		640		190	ug/Kg	8270C
Benzo(k)fluoranthene		760		190	ug/Kg	8270C
Biphenyl		13	J	190	ug/Kg	8270C
Bis(2-ethylhexyl) phthalate		73	J	190	ug/Kg	8270C
Carbazole		140	J	190	ug/Kg	8270C
Chrysene		1300		190	ug/Kg	8270C
Dibenz(a,h)anthracene		220		190	ug/Kg	8270C
Dibenzofuran		60	J	190	ug/Kg	8270C
Fluoranthene		2400		190	ug/Kg	8270C
Fluorene		110	J	190	ug/Kg	8270C
Indeno(1,2,3-cd)pyrene		650		190	ug/Kg	8270C
Naphthalene		52	J	190	ug/Kg	8270C
Phenanthrene		1300		190	ug/Kg	8270C
Pyrene		2100		190	ug/Kg	8270C
Percent Moisture		12		0.10	%	Moisture
Percent Solids		88		0.10	%	Moisture

METHOD SUMMARY

Client: CHA Inc

Job Number: 480-18068-1

Description	Lab Location	Method	Preparation Method
Matrix Solid			
Volatile Organic Compounds (GC/MS)	TAL BUF	SW846 8260B	
Closed System Purge and Trap	TAL BUF		SW846 5035
Semivolatile Organic Compounds (GC/MS)	TAL BUF	SW846 8270C	
Ultrasonic Extraction	TAL BUF		SW846 3550B
Polychlorinated Biphenyls (PCBs) by Gas Chromatography	TAL BUF	SW846 8082	
Ultrasonic Extraction	TAL BUF		SW846 3550B
Metals (ICP)	TAL BUF	SW846 6010B	
Preparation, Metals	TAL BUF		SW846 3050B
Mercury (CVAA)	TAL BUF	SW846 7471A	
Preparation, Mercury	TAL BUF		SW846 7471A
Percent Moisture	TAL BUF	EPA Moisture	
Matrix Water			
Volatile Organic Compounds (GC/MS)	TAL BUF	SW846 8260B	
Purge and Trap	TAL BUF		SW846 5030B
Semivolatile Organic Compounds (GC/MS)	TAL BUF	SW846 8270C	
Liquid-Liquid Extraction (Separatory Funnel)	TAL BUF		SW846 3510C

Lab References:

TAL BUF = TestAmerica Buffalo

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: CHA Inc

Job Number: 480-18068-1

Method	Analyst	Analyst ID
SW846 8260B	Byrnes, Jennifer M	JMB
SW846 8260B	Cwiklinski, Charles D	CDC
SW846 8260B	Larson, Renee	RL
SW846 8270C	McKernan, Ryan	RMM
SW846 8082	Michalek, Jason	JM
SW846 6010B	Marzolf, Michelle	MM
SW846 7471A	Kacalski, Jason	JRK
EPA Moisture	Robitaille, Zach L	ZLR

Client: CHA Inc

Job Number: 480-18068-1

Client Sample ID: **RB-03 (0-6")**

Lab Sample ID: 480-18068-1
Client Matrix: Solid
% Moisture: 24.5
Date Sampled: 04/02/2012 1115
Date Received: 04/04/2012 0900

8260B Volatile Organic Compounds (GC/MS)

Analysis Method:	8260B	Analysis Batch:	480-58567	Instrument ID:	HP5973F
Prep Method:	5035	Prep Batch:	480-58373	Lab File ID:	F7882.D
Dilution:	1.0			Initial Weight/Volume:	6.09 g
Analysis Date:	04/06/2012 2333			Final Weight/Volume:	5 mL
Prep Date:	04/05/2012 1551				

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
1,1,1-Trichloroethane		ND		0.39	5.4
1,1,2,2-Tetrachloroethane		ND		0.88	5.4
1,1,2-Trichloroethane		ND		0.71	5.4
1,1,2-Trichloro-1,2,2-trifluoroethane		ND		1.2	5.4
1,1-Dichloroethane		ND		0.66	5.4
1,1-Dichloroethene		ND		0.67	5.4
1,2,4-Trichlorobenzene		ND		0.33	5.4
1,2-Dibromo-3-Chloropropane		ND		2.7	5.4
1,2-Dibromoethane		ND		0.70	5.4
1,2-Dichlorobenzene		ND		0.43	5.4
1,2-Dichloroethane		ND		0.27	5.4
1,2-Dichloropropane		ND		2.7	5.4
1,3-Dichlorobenzene		ND		0.28	5.4
1,4-Dichlorobenzene		ND		0.76	5.4
2-Hexanone		ND		2.7	27
2-Butanone (MEK)		ND		2.0	27
4-Methyl-2-pentanone (MIBK)		ND		1.8	27
Acetone		ND		4.6	27
Benzene		ND		0.27	5.4
Bromodichloromethane		ND		0.73	5.4
Bromoform		ND		2.7	5.4
Bromomethane		ND		0.49	5.4
Carbon disulfide		ND		2.7	5.4
Carbon tetrachloride		ND		0.53	5.4
Chlorobenzene		ND		0.72	5.4
Dibromochloromethane		ND		0.70	5.4
Chloroethane		ND		1.2	5.4
Chloroform		ND		0.34	5.4
Chloromethane		ND		0.33	5.4
cis-1,2-Dichloroethene		ND		0.70	5.4
cis-1,3-Dichloropropene		ND		0.78	5.4
Cyclohexane		ND		0.76	5.4
Dichlorodifluoromethane		ND		0.45	5.4
Ethylbenzene		0.49	J	0.38	5.4
Isopropylbenzene		ND		0.82	5.4
Methyl acetate		ND		1.0	5.4
Methyl tert-butyl ether		ND		0.53	5.4
Methylcyclohexane		ND		0.83	5.4
Methylene Chloride		ND		2.5	5.4
Styrene		ND		0.27	5.4
Tetrachloroethene		ND		0.73	5.4
Toluene		ND		0.41	5.4
trans-1,2-Dichloroethene		ND		0.56	5.4
trans-1,3-Dichloropropene		ND		2.4	5.4
Trichloroethene		ND		1.2	5.4
Trichlorofluoromethane		ND		0.51	5.4

Client: CHA Inc

Job Number: 480-18068-1

Client Sample ID: **RB-03 (0-6")**

Lab Sample ID: 480-18068-1
Client Matrix: Solid
% Moisture: 24.5

Date Sampled: 04/02/2012 1115
Date Received: 04/04/2012 0900

8260B Volatile Organic Compounds (GC/MS)

Analysis Method:	8260B	Analysis Batch:	480-58567	Instrument ID:	HP5973F
Prep Method:	5035	Prep Batch:	480-58373	Lab File ID:	F7882.D
Dilution:	1.0			Initial Weight/Volume:	6.09 g
Analysis Date:	04/06/2012 2333			Final Weight/Volume:	5 mL
Prep Date:	04/05/2012 1551				

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
Vinyl chloride		ND		0.66	5.4
Xylenes, Total		1.4	J B	0.91	11

Surrogate	%Rec	Qualifier	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	98		64 - 126
Toluene-d8 (Surr)	103		71 - 125
4-Bromofluorobenzene (Surr)	99		72 - 126

Client: CHA Inc

Job Number: 480-18068-1

Client Sample ID: **RB-03 (0-6")**

Lab Sample ID: 480-18068-1
Client Matrix: Solid
% Moisture: 24.5

Date Sampled: 04/02/2012 1115
Date Received: 04/04/2012 0900

8260B Volatile Organic Compounds (GC/MS)

Analysis Method:	8260B	Analysis Batch:	480-58567	Instrument ID:	HP5973F
Prep Method:	5035	Prep Batch:	480-58373	Lab File ID:	F7882.D
Dilution:	1.0			Initial Weight/Volume:	6.09 g
Analysis Date:	04/06/2012 2333			Final Weight/Volume:	5 mL
Prep Date:	04/05/2012 1551				

Tentatively Identified Compounds **Number TIC's Found:** **0**

Cas Number	Analyte	RT	Est. Result (ug/Kg)	Qualifier
	Tentatively Identified Compound		None	

Client: CHA Inc

Job Number: 480-18068-1

Client Sample ID: **RB-03 (6"-12")**

Lab Sample ID: 480-18068-2
Client Matrix: Solid
% Moisture: 18.2

Date Sampled: 04/02/2012 1220
Date Received: 04/04/2012 0900

8260B Volatile Organic Compounds (GC/MS)

Analysis Method:	8260B	Analysis Batch:	480-58567	Instrument ID:	HP5973F
Prep Method:	5035	Prep Batch:	480-58373	Lab File ID:	F7883.D
Dilution:	1.0			Initial Weight/Volume:	5.22 g
Analysis Date:	04/06/2012 2358			Final Weight/Volume:	5 mL
Prep Date:	04/05/2012 1551				

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
1,1,1-Trichloroethane		ND		0.43	5.9
1,1,2,2-Tetrachloroethane		ND		0.95	5.9
1,1,2-Trichloroethane		ND		0.76	5.9
1,1,2-Trichloro-1,2,2-trifluoroethane		ND		1.3	5.9
1,1-Dichloroethane		ND		0.71	5.9
1,1-Dichloroethene		ND		0.72	5.9
1,2,4-Trichlorobenzene		ND		0.36	5.9
1,2-Dibromo-3-Chloropropane		ND		2.9	5.9
1,2-Dibromoethane		ND		0.75	5.9
1,2-Dichlorobenzene		ND		0.46	5.9
1,2-Dichloroethane		ND		0.29	5.9
1,2-Dichloropropane		ND		2.9	5.9
1,3-Dichlorobenzene		ND		0.30	5.9
1,4-Dichlorobenzene		ND		0.82	5.9
2-Hexanone		ND		2.9	29
2-Butanone (MEK)		ND		2.1	29
4-Methyl-2-pentanone (MIBK)		ND		1.9	29
Acetone		ND		4.9	29
Benzene		ND		0.29	5.9
Bromodichloromethane		ND		0.78	5.9
Bromoform		ND		2.9	5.9
Bromomethane		ND		0.53	5.9
Carbon disulfide		ND		2.9	5.9
Carbon tetrachloride		ND		0.57	5.9
Chlorobenzene		ND		0.77	5.9
Dibromochloromethane		ND		0.75	5.9
Chloroethane		ND		1.3	5.9
Chloroform		ND		0.36	5.9
Chloromethane		ND		0.35	5.9
cis-1,2-Dichloroethene		ND		0.75	5.9
cis-1,3-Dichloropropene		ND		0.84	5.9
Cyclohexane		ND		0.82	5.9
Dichlorodifluoromethane		ND		0.48	5.9
Ethylbenzene		ND		0.40	5.9
Isopropylbenzene		ND		0.88	5.9
Methyl acetate		ND		1.1	5.9
Methyl tert-butyl ether		ND		0.58	5.9
Methylcyclohexane		ND		0.89	5.9
Methylene Chloride		ND		2.7	5.9
Styrene		ND		0.29	5.9
Tetrachloroethene		ND		0.79	5.9
Toluene		ND		0.44	5.9
trans-1,2-Dichloroethene		ND		0.60	5.9
trans-1,3-Dichloropropene		ND		2.6	5.9
Trichloroethene		ND		1.3	5.9
Trichlorofluoromethane		ND		0.55	5.9

Client: CHA Inc

Job Number: 480-18068-1

Client Sample ID: **RB-03 (6"-12")**

Lab Sample ID: 480-18068-2
Client Matrix: Solid
% Moisture: 18.2

Date Sampled: 04/02/2012 1220
Date Received: 04/04/2012 0900

8260B Volatile Organic Compounds (GC/MS)

Analysis Method:	8260B	Analysis Batch:	480-58567	Instrument ID:	HP5973F
Prep Method:	5035	Prep Batch:	480-58373	Lab File ID:	F7883.D
Dilution:	1.0			Initial Weight/Volume:	5.22 g
Analysis Date:	04/06/2012 2358			Final Weight/Volume:	5 mL
Prep Date:	04/05/2012 1551				

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
Vinyl chloride		ND		0.71	5.9
Xylenes, Total		1.3	J B	0.98	12

Surrogate	%Rec	Qualifier	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	101		64 - 126
Toluene-d8 (Surr)	105		71 - 125
4-Bromofluorobenzene (Surr)	100		72 - 126

Client: CHA Inc

Job Number: 480-18068-1

Client Sample ID: **RB-03 (6"-12")**

Lab Sample ID: 480-18068-2
Client Matrix: Solid
% Moisture: 18.2

Date Sampled: 04/02/2012 1220
Date Received: 04/04/2012 0900

8260B Volatile Organic Compounds (GC/MS)

Analysis Method:	8260B	Analysis Batch:	480-58567	Instrument ID:	HP5973F
Prep Method:	5035	Prep Batch:	480-58373	Lab File ID:	F7883.D
Dilution:	1.0			Initial Weight/Volume:	5.22 g
Analysis Date:	04/06/2012 2358			Final Weight/Volume:	5 mL
Prep Date:	04/05/2012 1551				

Tentatively Identified Compounds **Number TIC's Found:** 1

Cas Number	Analyte	RT	Est. Result (ug/Kg)	Qualifier
287-92-3	Cyclopentane	3.76	14	T J N

Client: CHA Inc

Job Number: 480-18068-1

Client Sample ID: **RB-03 (12"-24")**

Lab Sample ID: 480-18068-3
Client Matrix: Solid
% Moisture: 22.9
Date Sampled: 04/02/2012 1235
Date Received: 04/04/2012 0900

8260B Volatile Organic Compounds (GC/MS)

Analysis Method:	8260B	Analysis Batch:	480-58567	Instrument ID:	HP5973F
Prep Method:	5035	Prep Batch:	480-58373	Lab File ID:	F7884.D
Dilution:	1.0			Initial Weight/Volume:	5.78 g
Analysis Date:	04/07/2012 0024			Final Weight/Volume:	5 mL
Prep Date:	04/05/2012 1551				

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
1,1,1-Trichloroethane		ND		0.41	5.6
1,1,2,2-Tetrachloroethane		ND		0.91	5.6
1,1,2-Trichloroethane		ND		0.73	5.6
1,1,2-Trichloro-1,2,2-trifluoroethane		ND		1.3	5.6
1,1-Dichloroethane		ND		0.68	5.6
1,1-Dichloroethene		ND		0.69	5.6
1,2,4-Trichlorobenzene		ND		0.34	5.6
1,2-Dibromo-3-Chloropropane		ND		2.8	5.6
1,2-Dibromoethane		ND		0.72	5.6
1,2-Dichlorobenzene		ND		0.44	5.6
1,2-Dichloroethane		ND		0.28	5.6
1,2-Dichloropropane		ND		2.8	5.6
1,3-Dichlorobenzene		ND		0.29	5.6
1,4-Dichlorobenzene		ND		0.79	5.6
2-Hexanone		ND		2.8	28
2-Butanone (MEK)		ND		2.1	28
4-Methyl-2-pentanone (MIBK)		ND		1.8	28
Acetone		ND		4.7	28
Benzene		ND		0.27	5.6
Bromodichloromethane		ND		0.75	5.6
Bromoform		ND		2.8	5.6
Bromomethane		ND		0.50	5.6
Carbon disulfide		ND		2.8	5.6
Carbon tetrachloride		ND		0.54	5.6
Chlorobenzene		ND		0.74	5.6
Dibromochloromethane		ND		0.72	5.6
Chloroethane		ND		1.3	5.6
Chloroform		ND		0.35	5.6
Chloromethane		ND		0.34	5.6
cis-1,2-Dichloroethene		ND		0.72	5.6
cis-1,3-Dichloropropene		ND		0.81	5.6
Cyclohexane		ND		0.79	5.6
Dichlorodifluoromethane		ND		0.46	5.6
Ethylbenzene		0.46	J	0.39	5.6
Isopropylbenzene		ND		0.85	5.6
Methyl acetate		ND		1.0	5.6
Methyl tert-butyl ether		ND		0.55	5.6
Methylcyclohexane		ND		0.85	5.6
Methylene Chloride		ND		2.6	5.6
Styrene		ND		0.28	5.6
Tetrachloroethene		ND		0.75	5.6
Toluene		ND		0.42	5.6
trans-1,2-Dichloroethene		ND		0.58	5.6
trans-1,3-Dichloropropene		ND		2.5	5.6
Trichloroethene		ND		1.2	5.6
Trichlorofluoromethane		ND		0.53	5.6

Client: CHA Inc

Job Number: 480-18068-1

Client Sample ID: **RB-03 (12"-24")**

Lab Sample ID: 480-18068-3
Client Matrix: Solid
% Moisture: 22.9

Date Sampled: 04/02/2012 1235
Date Received: 04/04/2012 0900

8260B Volatile Organic Compounds (GC/MS)

Analysis Method:	8260B	Analysis Batch:	480-58567	Instrument ID:	HP5973F
Prep Method:	5035	Prep Batch:	480-58373	Lab File ID:	F7884.D
Dilution:	1.0			Initial Weight/Volume:	5.78 g
Analysis Date:	04/07/2012 0024			Final Weight/Volume:	5 mL
Prep Date:	04/05/2012 1551				

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
Vinyl chloride		ND		0.68	5.6
Xylenes, Total		1.4	J B	0.94	11

Surrogate	%Rec	Qualifier	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	114		64 - 126
Toluene-d8 (Surr)	100		71 - 125
4-Bromofluorobenzene (Surr)	101		72 - 126

Client: CHA Inc

Job Number: 480-18068-1

Client Sample ID: **RB-03 (12"-24")**

Lab Sample ID: 480-18068-3
Client Matrix: Solid
% Moisture: 22.9

Date Sampled: 04/02/2012 1235
Date Received: 04/04/2012 0900

8260B Volatile Organic Compounds (GC/MS)

Analysis Method:	8260B	Analysis Batch:	480-58567	Instrument ID:	HP5973F
Prep Method:	5035	Prep Batch:	480-58373	Lab File ID:	F7884.D
Dilution:	1.0			Initial Weight/Volume:	5.78 g
Analysis Date:	04/07/2012 0024			Final Weight/Volume:	5 mL
Prep Date:	04/05/2012 1551				

Tentatively Identified Compounds **Number TIC's Found:** **2**

Cas Number	Analyte	RT	Est. Result (ug/Kg)	Qualifier
	Unknown	3.77	8.0	T J
556-67-2	Cyclotetrasiloxane, octamethyl-	9.64	7.2	T J N

Client: CHA Inc

Job Number: 480-18068-1

Client Sample ID: **RB-04 (0-6")**

Lab Sample ID: 480-18068-4
Client Matrix: Solid
% Moisture: 25.4
Date Sampled: 04/02/2012 1405
Date Received: 04/04/2012 0900

8260B Volatile Organic Compounds (GC/MS)

Analysis Method:	8260B	Analysis Batch:	480-58567	Instrument ID:	HP5973F
Prep Method:	5035	Prep Batch:	480-58373	Lab File ID:	F7885.D
Dilution:	1.0			Initial Weight/Volume:	5.27 g
Analysis Date:	04/07/2012 0049			Final Weight/Volume:	5 mL
Prep Date:	04/05/2012 1551				

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
1,1,1-Trichloroethane		ND		0.46	6.4
1,1,2,2-Tetrachloroethane		ND		1.0	6.4
1,1,2-Trichloroethane		ND		0.83	6.4
1,1,2-Trichloro-1,2,2-trifluoroethane		ND		1.5	6.4
1,1-Dichloroethane		ND		0.78	6.4
1,1-Dichloroethene		ND		0.78	6.4
1,2,4-Trichlorobenzene		ND		0.39	6.4
1,2-Dibromo-3-Chloropropane		ND		3.2	6.4
1,2-Dibromoethane		ND		0.82	6.4
1,2-Dichlorobenzene		ND		0.50	6.4
1,2-Dichloroethane		ND		0.32	6.4
1,2-Dichloropropane		ND		3.2	6.4
1,3-Dichlorobenzene		ND		0.33	6.4
1,4-Dichlorobenzene		ND		0.89	6.4
2-Hexanone		ND		3.2	32
2-Butanone (MEK)		ND		2.3	32
4-Methyl-2-pentanone (MIBK)		ND		2.1	32
Acetone		ND		5.4	32
Benzene		ND		0.31	6.4
Bromodichloromethane		ND		0.85	6.4
Bromoform		ND		3.2	6.4
Bromomethane		ND		0.57	6.4
Carbon disulfide		ND		3.2	6.4
Carbon tetrachloride		ND		0.62	6.4
Chlorobenzene		ND		0.84	6.4
Dibromochloromethane		ND		0.81	6.4
Chloroethane		ND		1.4	6.4
Chloroform		ND		0.39	6.4
Chloromethane		ND		0.38	6.4
cis-1,2-Dichloroethene		ND		0.81	6.4
cis-1,3-Dichloropropene		ND		0.92	6.4
Cyclohexane		ND		0.89	6.4
Dichlorodifluoromethane		ND		0.53	6.4
Ethylbenzene		ND		0.44	6.4
Isopropylbenzene		ND		0.96	6.4
Methyl acetate		ND		1.2	6.4
Methyl tert-butyl ether		ND		0.62	6.4
Methylcyclohexane		ND		0.97	6.4
Methylene Chloride		ND		2.9	6.4
Styrene		ND		0.32	6.4
Tetrachloroethene		ND		0.85	6.4
Toluene		ND		0.48	6.4
trans-1,2-Dichloroethene		ND		0.66	6.4
trans-1,3-Dichloropropene		ND		2.8	6.4
Trichloroethene		ND		1.4	6.4
Trichlorofluoromethane		ND		0.60	6.4

Client: CHA Inc

Job Number: 480-18068-1

Client Sample ID: **RB-04 (0-6")**

Lab Sample ID: 480-18068-4
Client Matrix: Solid
% Moisture: 25.4
Date Sampled: 04/02/2012 1405
Date Received: 04/04/2012 0900

8260B Volatile Organic Compounds (GC/MS)

Analysis Method:	8260B	Analysis Batch:	480-58567	Instrument ID:	HP5973F
Prep Method:	5035	Prep Batch:	480-58373	Lab File ID:	F7885.D
Dilution:	1.0			Initial Weight/Volume:	5.27 g
Analysis Date:	04/07/2012 0049			Final Weight/Volume:	5 mL
Prep Date:	04/05/2012 1551				

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
Vinyl chloride		ND		0.78	6.4
Xylenes, Total		1.2	J B	1.1	13

Surrogate	%Rec	Qualifier	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	102		64 - 126
Toluene-d8 (Surr)	106		71 - 125
4-Bromofluorobenzene (Surr)	100		72 - 126

Client: CHA Inc

Job Number: 480-18068-1

Client Sample ID: **RB-04 (0-6")**

Lab Sample ID: 480-18068-4
Client Matrix: Solid
% Moisture: 25.4

Date Sampled: 04/02/2012 1405
Date Received: 04/04/2012 0900

8260B Volatile Organic Compounds (GC/MS)

Analysis Method:	8260B	Analysis Batch:	480-58567	Instrument ID:	HP5973F
Prep Method:	5035	Prep Batch:	480-58373	Lab File ID:	F7885.D
Dilution:	1.0			Initial Weight/Volume:	5.27 g
Analysis Date:	04/07/2012 0049			Final Weight/Volume:	5 mL
Prep Date:	04/05/2012 1551				

Tentatively Identified Compounds **Number TIC's Found:** **0**

Cas Number	Analyte	RT	Est. Result (ug/Kg)	Qualifier
	Tentatively Identified Compound		None	

Client: CHA Inc

Job Number: 480-18068-1

Client Sample ID: **RB-04 (6"-12"**

Lab Sample ID: 480-18068-5
Client Matrix: Solid

% Moisture: 25.9

Date Sampled: 04/02/2012 1422
Date Received: 04/04/2012 0900

8260B Volatile Organic Compounds (GC/MS)

Analysis Method:	8260B	Analysis Batch:	480-58567	Instrument ID:	HP5973F
Prep Method:	5035	Prep Batch:	480-58373	Lab File ID:	F7886.D
Dilution:	1.0			Initial Weight/Volume:	6.15 g
Analysis Date:	04/07/2012 0115			Final Weight/Volume:	5 mL
Prep Date:	04/05/2012 1551				

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
1,1,1-Trichloroethane		ND		0.40	5.5
1,1,2,2-Tetrachloroethane		ND		0.89	5.5
1,1,2-Trichloroethane		ND		0.71	5.5
1,1,2-Trichloro-1,2,2-trifluoroethane		ND		1.3	5.5
1,1-Dichloroethane		ND		0.67	5.5
1,1-Dichloroethene		ND		0.67	5.5
1,2,4-Trichlorobenzene		ND		0.33	5.5
1,2-Dibromo-3-Chloropropane		ND		2.7	5.5
1,2-Dibromoethane		ND		0.70	5.5
1,2-Dichlorobenzene		ND		0.43	5.5
1,2-Dichloroethane		ND		0.28	5.5
1,2-Dichloropropane		ND		2.7	5.5
1,3-Dichlorobenzene		ND		0.28	5.5
1,4-Dichlorobenzene		ND		0.77	5.5
2-Hexanone		ND		2.7	27
2-Butanone (MEK)		ND		2.0	27
4-Methyl-2-pentanone (MIBK)		ND		1.8	27
Acetone		ND		4.6	27
Benzene		ND		0.27	5.5
Bromodichloromethane		ND		0.74	5.5
Bromoform		ND		2.7	5.5
Bromomethane		ND		0.49	5.5
Carbon disulfide		ND		2.7	5.5
Carbon tetrachloride		ND		0.53	5.5
Chlorobenzene		ND		0.72	5.5
Dibromochloromethane		ND		0.70	5.5
Chloroethane		ND		1.2	5.5
Chloroform		ND		0.34	5.5
Chloromethane		ND		0.33	5.5
cis-1,2-Dichloroethene		ND		0.70	5.5
cis-1,3-Dichloropropene		ND		0.79	5.5
Cyclohexane		ND		0.77	5.5
Dichlorodifluoromethane		ND		0.45	5.5
Ethylbenzene		ND		0.38	5.5
Isopropylbenzene		ND		0.83	5.5
Methyl acetate		ND		1.0	5.5
Methyl tert-butyl ether		ND		0.54	5.5
Methylcyclohexane		ND		0.83	5.5
Methylene Chloride		ND		2.5	5.5
Styrene		ND		0.27	5.5
Tetrachloroethene		ND		0.74	5.5
Toluene		ND		0.41	5.5
trans-1,2-Dichloroethene		ND		0.57	5.5
trans-1,3-Dichloropropene		ND		2.4	5.5
Trichloroethene		ND		1.2	5.5
Trichlorofluoromethane		ND		0.52	5.5

Client: CHA Inc

Job Number: 480-18068-1

Client Sample ID: **RB-04 (6"-12"**

Lab Sample ID: 480-18068-5
Client Matrix: Solid
% Moisture: 25.9

Date Sampled: 04/02/2012 1422
Date Received: 04/04/2012 0900

8260B Volatile Organic Compounds (GC/MS)

Analysis Method:	8260B	Analysis Batch:	480-58567	Instrument ID:	HP5973F
Prep Method:	5035	Prep Batch:	480-58373	Lab File ID:	F7886.D
Dilution:	1.0			Initial Weight/Volume:	6.15 g
Analysis Date:	04/07/2012 0115			Final Weight/Volume:	5 mL
Prep Date:	04/05/2012 1551				

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
Vinyl chloride		ND		0.67	5.5
Xylenes, Total		1.2	J B	0.92	11

Surrogate	%Rec	Qualifier	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	101		64 - 126
Toluene-d8 (Surr)	104		71 - 125
4-Bromofluorobenzene (Surr)	98		72 - 126

Client: CHA Inc

Job Number: 480-18068-1

Client Sample ID: **RB-04 (6"-12"**

Lab Sample ID: 480-18068-5
Client Matrix: Solid

% Moisture: 25.9

Date Sampled: 04/02/2012 1422
Date Received: 04/04/2012 0900

8260B Volatile Organic Compounds (GC/MS)

Analysis Method:	8260B	Analysis Batch:	480-58567	Instrument ID:	HP5973F
Prep Method:	5035	Prep Batch:	480-58373	Lab File ID:	F7886.D
Dilution:	1.0			Initial Weight/Volume:	6.15 g
Analysis Date:	04/07/2012 0115			Final Weight/Volume:	5 mL
Prep Date:	04/05/2012 1551				

Tentatively Identified Compounds **Number TIC's Found:** **0**

Cas Number	Analyte	RT	Est. Result (ug/Kg)	Qualifier
	Tentatively Identified Compound		None	

Client: CHA Inc

Job Number: 480-18068-1

Client Sample ID: **RB-04 (12"-24")**

Lab Sample ID: 480-18068-6
Client Matrix: Solid
% Moisture: 26.2

Date Sampled: 04/02/2012 1435
Date Received: 04/04/2012 0900

8260B Volatile Organic Compounds (GC/MS)

Analysis Method:	8260B	Analysis Batch:	480-58567	Instrument ID:	HP5973F
Prep Method:	5035	Prep Batch:	480-58373	Lab File ID:	F7887.D
Dilution:	1.0			Initial Weight/Volume:	6.02 g
Analysis Date:	04/07/2012 0140			Final Weight/Volume:	5 mL
Prep Date:	04/05/2012 1551				

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
1,1,1-Trichloroethane		ND		0.41	5.6
1,1,2,2-Tetrachloroethane		ND		0.91	5.6
1,1,2-Trichloroethane		ND		0.73	5.6
1,1,2-Trichloro-1,2,2-trifluoroethane		ND		1.3	5.6
1,1-Dichloroethane		ND		0.69	5.6
1,1-Dichloroethene		ND		0.69	5.6
1,2,4-Trichlorobenzene		ND		0.34	5.6
1,2-Dibromo-3-Chloropropane		ND		2.8	5.6
1,2-Dibromoethane		ND		0.72	5.6
1,2-Dichlorobenzene		ND		0.44	5.6
1,2-Dichloroethane		ND		0.28	5.6
1,2-Dichloropropane		ND		2.8	5.6
1,3-Dichlorobenzene		ND		0.29	5.6
1,4-Dichlorobenzene		ND		0.79	5.6
2-Hexanone		ND		2.8	28
2-Butanone (MEK)		ND		2.1	28
4-Methyl-2-pentanone (MIBK)		ND		1.8	28
Acetone		ND		4.7	28
Benzene		ND		0.28	5.6
Bromodichloromethane		ND		0.75	5.6
Bromoform		ND		2.8	5.6
Bromomethane		ND		0.51	5.6
Carbon disulfide		ND		2.8	5.6
Carbon tetrachloride		ND		0.54	5.6
Chlorobenzene		ND		0.74	5.6
Dibromochloromethane		ND		0.72	5.6
Chloroethane		ND		1.3	5.6
Chloroform		ND		0.35	5.6
Chloromethane		ND		0.34	5.6
cis-1,2-Dichloroethene		ND		0.72	5.6
cis-1,3-Dichloropropene		ND		0.81	5.6
Cyclohexane		ND		0.79	5.6
Dichlorodifluoromethane		ND		0.46	5.6
Ethylbenzene		ND		0.39	5.6
Isopropylbenzene		ND		0.85	5.6
Methyl acetate		ND		1.0	5.6
Methyl tert-butyl ether		ND		0.55	5.6
Methylcyclohexane		ND		0.85	5.6
Methylene Chloride		ND		2.6	5.6
Styrene		ND		0.28	5.6
Tetrachloroethene		ND		0.75	5.6
Toluene		ND		0.43	5.6
trans-1,2-Dichloroethene		ND		0.58	5.6
trans-1,3-Dichloropropene		ND		2.5	5.6
Trichloroethene		ND		1.2	5.6
Trichlorofluoromethane		ND		0.53	5.6

Client: CHA Inc

Job Number: 480-18068-1

Client Sample ID: **RB-04 (12"-24")**

Lab Sample ID: 480-18068-6
Client Matrix: Solid
% Moisture: 26.2
Date Sampled: 04/02/2012 1435
Date Received: 04/04/2012 0900

8260B Volatile Organic Compounds (GC/MS)

Analysis Method:	8260B	Analysis Batch:	480-58567	Instrument ID:	HP5973F
Prep Method:	5035	Prep Batch:	480-58373	Lab File ID:	F7887.D
Dilution:	1.0			Initial Weight/Volume:	6.02 g
Analysis Date:	04/07/2012 0140			Final Weight/Volume:	5 mL
Prep Date:	04/05/2012 1551				

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
Vinyl chloride		ND		0.69	5.6
Xylenes, Total		0.97	J B	0.94	11

Surrogate	%Rec	Qualifier	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	98		64 - 126
Toluene-d8 (Surr)	103		71 - 125
4-Bromofluorobenzene (Surr)	97		72 - 126

Client: CHA Inc

Job Number: 480-18068-1

Client Sample ID: **RB-04 (12"-24")**

Lab Sample ID: 480-18068-6
Client Matrix: Solid
% Moisture: 26.2

Date Sampled: 04/02/2012 1435
Date Received: 04/04/2012 0900

8260B Volatile Organic Compounds (GC/MS)

Analysis Method:	8260B	Analysis Batch:	480-58567	Instrument ID:	HP5973F
Prep Method:	5035	Prep Batch:	480-58373	Lab File ID:	F7887.D
Dilution:	1.0			Initial Weight/Volume:	6.02 g
Analysis Date:	04/07/2012 0140			Final Weight/Volume:	5 mL
Prep Date:	04/05/2012 1551				

Tentatively Identified Compounds **Number TIC's Found:** **1**

Cas Number	Analyte	RT	Est. Result (ug/Kg)	Qualifier
287-92-3	Cyclopentane	3.77	20	T J N

Client: CHA Inc

Job Number: 480-18068-1

Client Sample ID: **RB-05 (0-6")**

Lab Sample ID: 480-18068-7
Client Matrix: Solid
% Moisture: 21.7

Date Sampled: 04/02/2012 1455
Date Received: 04/04/2012 0900

8260B Volatile Organic Compounds (GC/MS)

Analysis Method:	8260B	Analysis Batch:	480-58567	Instrument ID:	HP5973F
Prep Method:	5035	Prep Batch:	480-58373	Lab File ID:	F7888.D
Dilution:	1.0			Initial Weight/Volume:	4.89 g
Analysis Date:	04/07/2012 0205			Final Weight/Volume:	5 mL
Prep Date:	04/05/2012 1551				

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
1,1,1-Trichloroethane		ND		0.47	6.5
1,1,2,2-Tetrachloroethane		ND		1.1	6.5
1,1,2-Trichloroethane		ND		0.85	6.5
1,1,2-Trichloro-1,2,2-trifluoroethane		ND		1.5	6.5
1,1-Dichloroethane		ND		0.80	6.5
1,1-Dichloroethene		ND		0.80	6.5
1,2,4-Trichlorobenzene		ND		0.40	6.5
1,2-Dibromo-3-Chloropropane		ND		3.3	6.5
1,2-Dibromoethane		ND		0.84	6.5
1,2-Dichlorobenzene		ND		0.51	6.5
1,2-Dichloroethane		ND		0.33	6.5
1,2-Dichloropropane		ND		3.3	6.5
1,3-Dichlorobenzene		ND		0.34	6.5
1,4-Dichlorobenzene		ND		0.91	6.5
2-Hexanone		ND		3.3	33
2-Butanone (MEK)		ND		2.4	33
4-Methyl-2-pentanone (MIBK)		ND		2.1	33
Acetone		ND		5.5	33
Benzene		ND		0.32	6.5
Bromodichloromethane		ND		0.88	6.5
Bromoform		ND		3.3	6.5
Bromomethane		ND		0.59	6.5
Carbon disulfide		ND		3.3	6.5
Carbon tetrachloride		ND		0.63	6.5
Chlorobenzene		ND		0.86	6.5
Dibromochloromethane		ND		0.84	6.5
Chloroethane		ND		1.5	6.5
Chloroform		ND		0.40	6.5
Chloromethane		ND		0.39	6.5
cis-1,2-Dichloroethene		ND		0.84	6.5
cis-1,3-Dichloropropene		ND		0.94	6.5
Cyclohexane		ND		0.91	6.5
Dichlorodifluoromethane		ND		0.54	6.5
Ethylbenzene		ND		0.45	6.5
Isopropylbenzene		ND		0.99	6.5
Methyl acetate		ND		1.2	6.5
Methyl tert-butyl ether		ND		0.64	6.5
Methylcyclohexane		ND		0.99	6.5
Methylene Chloride		ND		3.0	6.5
Styrene		ND		0.33	6.5
Tetrachloroethene		ND		0.88	6.5
Toluene		ND		0.49	6.5
trans-1,2-Dichloroethene		ND		0.67	6.5
trans-1,3-Dichloropropene		ND		2.9	6.5
Trichloroethene		5.1	J	1.4	6.5
Trichlorofluoromethane		ND		0.62	6.5

Client: CHA Inc

Job Number: 480-18068-1

Client Sample ID: **RB-05 (0-6")**

Lab Sample ID: 480-18068-7
Client Matrix: Solid
% Moisture: 21.7

Date Sampled: 04/02/2012 1455
Date Received: 04/04/2012 0900

8260B Volatile Organic Compounds (GC/MS)

Analysis Method:	8260B	Analysis Batch:	480-58567	Instrument ID:	HP5973F
Prep Method:	5035	Prep Batch:	480-58373	Lab File ID:	F7888.D
Dilution:	1.0			Initial Weight/Volume:	4.89 g
Analysis Date:	04/07/2012 0205			Final Weight/Volume:	5 mL
Prep Date:	04/05/2012 1551				

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
Vinyl chloride		ND		0.80	6.5
Xylenes, Total		1.5	J B	1.1	13

Surrogate	%Rec	Qualifier	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	102		64 - 126
Toluene-d8 (Surr)	107		71 - 125
4-Bromofluorobenzene (Surr)	99		72 - 126

Client: CHA Inc

Job Number: 480-18068-1

Client Sample ID: **RB-05 (0-6")**

Lab Sample ID: 480-18068-7
Client Matrix: Solid
% Moisture: 21.7

Date Sampled: 04/02/2012 1455
Date Received: 04/04/2012 0900

8260B Volatile Organic Compounds (GC/MS)

Analysis Method:	8260B	Analysis Batch:	480-58567	Instrument ID:	HP5973F
Prep Method:	5035	Prep Batch:	480-58373	Lab File ID:	F7888.D
Dilution:	1.0			Initial Weight/Volume:	4.89 g
Analysis Date:	04/07/2012 0205			Final Weight/Volume:	5 mL
Prep Date:	04/05/2012 1551				

Tentatively Identified Compounds **Number TIC's Found:** **1**

Cas Number	Analyte	RT	Est. Result (ug/Kg)	Qualifier
556-67-2	Cyclotetrasiloxane, octamethyl-	9.64	8.2	T J N

Client: CHA Inc

Job Number: 480-18068-1

Client Sample ID: **RB-05 (6"-12"**

Lab Sample ID: 480-18068-8
Client Matrix: Solid

% Moisture: 12.7

Date Sampled: 04/02/2012 1510
Date Received: 04/04/2012 0900

8260B Volatile Organic Compounds (GC/MS)

Analysis Method:	8260B	Analysis Batch:	480-58567	Instrument ID:	HP5973F
Prep Method:	5035	Prep Batch:	480-58373	Lab File ID:	F7889.D
Dilution:	1.0			Initial Weight/Volume:	4.9 g
Analysis Date:	04/07/2012 0231			Final Weight/Volume:	5 mL
Prep Date:	04/05/2012 1551				

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
1,1,1-Trichloroethane		ND		0.42	5.8
1,1,2,2-Tetrachloroethane		ND		0.95	5.8
1,1,2-Trichloroethane		ND		0.76	5.8
1,1,2-Trichloro-1,2,2-trifluoroethane		ND		1.3	5.8
1,1-Dichloroethane		ND		0.71	5.8
1,1-Dichloroethene		ND		0.72	5.8
1,2,4-Trichlorobenzene		ND		0.36	5.8
1,2-Dibromo-3-Chloropropane		ND		2.9	5.8
1,2-Dibromoethane		ND		0.75	5.8
1,2-Dichlorobenzene		ND		0.46	5.8
1,2-Dichloroethane		ND		0.29	5.8
1,2-Dichloropropane		ND		2.9	5.8
1,3-Dichlorobenzene		ND		0.30	5.8
1,4-Dichlorobenzene		ND		0.82	5.8
2-Hexanone		ND		2.9	29
2-Butanone (MEK)		ND		2.1	29
4-Methyl-2-pentanone (MIBK)		ND		1.9	29
Acetone		ND		4.9	29
Benzene		ND		0.29	5.8
Bromodichloromethane		ND		0.78	5.8
Bromoform		ND		2.9	5.8
Bromomethane		ND		0.53	5.8
Carbon disulfide		ND		2.9	5.8
Carbon tetrachloride		ND		0.57	5.8
Chlorobenzene		ND		0.77	5.8
Dibromochloromethane		ND		0.75	5.8
Chloroethane		ND		1.3	5.8
Chloroform		ND		0.36	5.8
Chloromethane		ND		0.35	5.8
cis-1,2-Dichloroethene		ND		0.75	5.8
cis-1,3-Dichloropropene		ND		0.84	5.8
Cyclohexane		ND		0.82	5.8
Dichlorodifluoromethane		ND		0.48	5.8
Ethylbenzene		ND		0.40	5.8
Isopropylbenzene		ND		0.88	5.8
Methyl acetate		ND		1.1	5.8
Methyl tert-butyl ether		ND		0.57	5.8
Methylcyclohexane		ND		0.89	5.8
Methylene Chloride		ND		2.7	5.8
Styrene		ND		0.29	5.8
Tetrachloroethene		ND		0.78	5.8
Toluene		ND		0.44	5.8
trans-1,2-Dichloroethene		ND		0.60	5.8
trans-1,3-Dichloropropene		ND		2.6	5.8
Trichloroethene		24		1.3	5.8
Trichlorofluoromethane		ND		0.55	5.8

Client: CHA Inc

Job Number: 480-18068-1

Client Sample ID: **RB-05 (6"-12"**

Lab Sample ID: 480-18068-8
Client Matrix: Solid

% Moisture: 12.7

Date Sampled: 04/02/2012 1510
Date Received: 04/04/2012 0900

8260B Volatile Organic Compounds (GC/MS)

Analysis Method:	8260B	Analysis Batch:	480-58567	Instrument ID:	HP5973F
Prep Method:	5035	Prep Batch:	480-58373	Lab File ID:	F7889.D
Dilution:	1.0			Initial Weight/Volume:	4.9 g
Analysis Date:	04/07/2012 0231			Final Weight/Volume:	5 mL
Prep Date:	04/05/2012 1551				

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
Vinyl chloride		ND		0.71	5.8
Xylenes, Total		1.0	J B	0.98	12

Surrogate	%Rec	Qualifier	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	100		64 - 126
Toluene-d8 (Surr)	106		71 - 125
4-Bromofluorobenzene (Surr)	96		72 - 126

Client: CHA Inc

Job Number: 480-18068-1

Client Sample ID: **RB-05 (6"-12"**

Lab Sample ID: 480-18068-8
Client Matrix: Solid
% Moisture: 12.7

Date Sampled: 04/02/2012 1510
Date Received: 04/04/2012 0900

8260B Volatile Organic Compounds (GC/MS)

Analysis Method:	8260B	Analysis Batch:	480-58567	Instrument ID:	HP5973F
Prep Method:	5035	Prep Batch:	480-58373	Lab File ID:	F7889.D
Dilution:	1.0			Initial Weight/Volume:	4.9 g
Analysis Date:	04/07/2012 0231			Final Weight/Volume:	5 mL
Prep Date:	04/05/2012 1551				

Tentatively Identified Compounds **Number TIC's Found:** **1**

Cas Number	Analyte	RT	Est. Result (ug/Kg)	Qualifier
287-92-3	Cyclopentane	3.77	22	T J N

Client: CHA Inc

Job Number: 480-18068-1

Client Sample ID: **RB-05 (12"-24")**

Lab Sample ID: 480-18068-9
Client Matrix: Solid

% Moisture: 15.6

Date Sampled: 04/02/2012 1525
Date Received: 04/04/2012 0900

8260B Volatile Organic Compounds (GC/MS)

Analysis Method:	8260B	Analysis Batch:	480-58567	Instrument ID:	HP5973F
Prep Method:	5035	Prep Batch:	480-58373	Lab File ID:	F7890.D
Dilution:	1.0			Initial Weight/Volume:	5.56 g
Analysis Date:	04/07/2012 0256			Final Weight/Volume:	5 mL
Prep Date:	04/05/2012 1551				

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
1,1,1-Trichloroethane		ND		0.39	5.3
1,1,2,2-Tetrachloroethane		ND		0.86	5.3
1,1,2-Trichloroethane		ND		0.69	5.3
1,1,2-Trichloro-1,2,2-trifluoroethane		ND		1.2	5.3
1,1-Dichloroethane		ND		0.65	5.3
1,1-Dichloroethene		ND		0.65	5.3
1,2,4-Trichlorobenzene		ND		0.32	5.3
1,2-Dibromo-3-Chloropropane		ND		2.7	5.3
1,2-Dibromoethane		ND		0.68	5.3
1,2-Dichlorobenzene		ND		0.42	5.3
1,2-Dichloroethane		ND		0.27	5.3
1,2-Dichloropropane		ND		2.7	5.3
1,3-Dichlorobenzene		ND		0.27	5.3
1,4-Dichlorobenzene		ND		0.75	5.3
2-Hexanone		ND		2.7	27
2-Butanone (MEK)		ND		1.9	27
4-Methyl-2-pentanone (MIBK)		ND		1.7	27
Acetone		ND		4.5	27
Benzene		ND		0.26	5.3
Bromodichloromethane		ND		0.71	5.3
Bromoform		ND		2.7	5.3
Bromomethane		ND		0.48	5.3
Carbon disulfide		ND		2.7	5.3
Carbon tetrachloride		ND		0.52	5.3
Chlorobenzene		ND		0.70	5.3
Dibromochloromethane		ND		0.68	5.3
Chloroethane		ND		1.2	5.3
Chloroform		ND		0.33	5.3
Chloromethane		ND		0.32	5.3
cis-1,2-Dichloroethene		ND		0.68	5.3
cis-1,3-Dichloropropene		ND		0.77	5.3
Cyclohexane		ND		0.75	5.3
Dichlorodifluoromethane		ND		0.44	5.3
Ethylbenzene		ND		0.37	5.3
Isopropylbenzene		ND		0.80	5.3
Methyl acetate		ND		0.99	5.3
Methyl tert-butyl ether		ND		0.52	5.3
Methylcyclohexane		ND		0.81	5.3
Methylene Chloride		ND		2.5	5.3
Styrene		ND		0.27	5.3
Tetrachloroethene		ND		0.71	5.3
Toluene		ND		0.40	5.3
trans-1,2-Dichloroethene		ND		0.55	5.3
trans-1,3-Dichloropropene		ND		2.3	5.3
Trichloroethene		23		1.2	5.3
Trichlorofluoromethane		ND		0.50	5.3

Client: CHA Inc

Job Number: 480-18068-1

Client Sample ID: **RB-05 (12"-24")**

Lab Sample ID: 480-18068-9
Client Matrix: Solid
% Moisture: 15.6
Date Sampled: 04/02/2012 1525
Date Received: 04/04/2012 0900

8260B Volatile Organic Compounds (GC/MS)

Analysis Method:	8260B	Analysis Batch:	480-58567	Instrument ID:	HP5973F
Prep Method:	5035	Prep Batch:	480-58373	Lab File ID:	F7890.D
Dilution:	1.0			Initial Weight/Volume:	5.56 g
Analysis Date:	04/07/2012 0256			Final Weight/Volume:	5 mL
Prep Date:	04/05/2012 1551				

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
Vinyl chloride		ND		0.65	5.3
Xylenes, Total		ND		0.90	11

Surrogate	%Rec	Qualifier	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	101		64 - 126
Toluene-d8 (Surr)	104		71 - 125
4-Bromofluorobenzene (Surr)	97		72 - 126

Client: CHA Inc

Job Number: 480-18068-1

Client Sample ID: **RB-05 (12"-24")**

Lab Sample ID: 480-18068-9
Client Matrix: Solid
% Moisture: 15.6

Date Sampled: 04/02/2012 1525
Date Received: 04/04/2012 0900

8260B Volatile Organic Compounds (GC/MS)

Analysis Method:	8260B	Analysis Batch:	480-58567	Instrument ID:	HP5973F
Prep Method:	5035	Prep Batch:	480-58373	Lab File ID:	F7890.D
Dilution:	1.0			Initial Weight/Volume:	5.56 g
Analysis Date:	04/07/2012 0256			Final Weight/Volume:	5 mL
Prep Date:	04/05/2012 1551				

Tentatively Identified Compounds **Number TIC's Found:** **3**

Cas Number	Analyte	RT	Est. Result (ug/Kg)	Qualifier
	Unknown	2.78	5.4	T J
	Unknown	3.77	83	T J
110-54-3	Hexane	4.07	3.2	J

Client: CHA Inc

Job Number: 480-18068-1

Client Sample ID: **RB-06 (0-6")**

Lab Sample ID: 480-18068-10
Client Matrix: Solid
% Moisture: 10.1
Date Sampled: 04/02/2012 1610
Date Received: 04/04/2012 0900

8260B Volatile Organic Compounds (GC/MS)

Analysis Method:	8260B	Analysis Batch:	480-58567	Instrument ID:	HP5973F
Prep Method:	5035	Prep Batch:	480-58373	Lab File ID:	F7891.D
Dilution:	1.0			Initial Weight/Volume:	3.93 g
Analysis Date:	04/07/2012 0322			Final Weight/Volume:	5 mL
Prep Date:	04/05/2012 1551				

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
1,1,1-Trichloroethane		ND		0.51	7.1
1,1,2,2-Tetrachloroethane		ND		1.1	7.1
1,1,2-Trichloroethane		ND		0.92	7.1
1,1,2-Trichloro-1,2,2-trifluoroethane		ND		1.6	7.1
1,1-Dichloroethane		ND		0.86	7.1
1,1-Dichloroethene		ND		0.87	7.1
1,2,4-Trichlorobenzene		ND		0.43	7.1
1,2-Dibromo-3-Chloropropane		ND		3.5	7.1
1,2-Dibromoethane		ND		0.91	7.1
1,2-Dichlorobenzene		ND		0.55	7.1
1,2-Dichloroethane		ND		0.36	7.1
1,2-Dichloropropane		ND		3.5	7.1
1,3-Dichlorobenzene		ND		0.36	7.1
1,4-Dichlorobenzene		ND		0.99	7.1
2-Hexanone		ND		3.5	35
2-Butanone (MEK)		ND		2.6	35
4-Methyl-2-pentanone (MIBK)		ND		2.3	35
Acetone		ND		6.0	35
Benzene		ND		0.35	7.1
Bromodichloromethane		ND		0.95	7.1
Bromoform		ND		3.5	7.1
Bromomethane		ND		0.64	7.1
Carbon disulfide		ND		3.5	7.1
Carbon tetrachloride		ND		0.69	7.1
Chlorobenzene		ND		0.93	7.1
Dibromochloromethane		ND		0.91	7.1
Chloroethane		ND		1.6	7.1
Chloroform		ND		0.44	7.1
Chloromethane		ND		0.43	7.1
cis-1,2-Dichloroethene		ND		0.91	7.1
cis-1,3-Dichloropropene		ND		1.0	7.1
Cyclohexane		ND		0.99	7.1
Dichlorodifluoromethane		ND		0.58	7.1
Ethylbenzene		ND		0.49	7.1
Isopropylbenzene		ND		1.1	7.1
Methyl acetate		ND		1.3	7.1
Methyl tert-butyl ether		ND		0.70	7.1
Methylcyclohexane		ND		1.1	7.1
Methylene Chloride		ND		3.3	7.1
Styrene		ND		0.35	7.1
Tetrachloroethene		ND		0.95	7.1
Toluene		ND		0.54	7.1
trans-1,2-Dichloroethene		ND		0.73	7.1
trans-1,3-Dichloropropene		ND		3.1	7.1
Trichloroethene		ND		1.6	7.1
Trichlorofluoromethane		ND		0.67	7.1

Client: CHA Inc

Job Number: 480-18068-1

Client Sample ID: **RB-06 (0-6")**

Lab Sample ID: 480-18068-10
Client Matrix: Solid
% Moisture: 10.1

Date Sampled: 04/02/2012 1610
Date Received: 04/04/2012 0900

8260B Volatile Organic Compounds (GC/MS)

Analysis Method:	8260B	Analysis Batch:	480-58567	Instrument ID:	HP5973F
Prep Method:	5035	Prep Batch:	480-58373	Lab File ID:	F7891.D
Dilution:	1.0			Initial Weight/Volume:	3.93 g
Analysis Date:	04/07/2012 0322			Final Weight/Volume:	5 mL
Prep Date:	04/05/2012 1551				

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
Vinyl chloride		ND		0.86	7.1
Xylenes, Total		ND		1.2	14

Surrogate	%Rec	Qualifier	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	99		64 - 126
Toluene-d8 (Surr)	105		71 - 125
4-Bromofluorobenzene (Surr)	97		72 - 126

Client: CHA Inc

Job Number: 480-18068-1

Client Sample ID: **RB-06 (0-6")**

Lab Sample ID: 480-18068-10
Client Matrix: Solid
% Moisture: 10.1

Date Sampled: 04/02/2012 1610
Date Received: 04/04/2012 0900

8260B Volatile Organic Compounds (GC/MS)

Analysis Method:	8260B	Analysis Batch:	480-58567	Instrument ID:	HP5973F
Prep Method:	5035	Prep Batch:	480-58373	Lab File ID:	F7891.D
Dilution:	1.0			Initial Weight/Volume:	3.93 g
Analysis Date:	04/07/2012 0322			Final Weight/Volume:	5 mL
Prep Date:	04/05/2012 1551				

Tentatively Identified Compounds **Number TIC's Found:** **1**

Cas Number	Analyte	RT	Est. Result (ug/Kg)	Qualifier
	Unknown	3.77	8.7	T J

Client: CHA Inc

Job Number: 480-18068-1

Client Sample ID: **RB-06 (6"-12"**

Lab Sample ID: 480-18068-11
Client Matrix: Solid
% Moisture: 11.5

Date Sampled: 04/02/2012 1625
Date Received: 04/04/2012 0900

8260B Volatile Organic Compounds (GC/MS)

Analysis Method:	8260B	Analysis Batch:	480-58567	Instrument ID:	HP5973F
Prep Method:	5035	Prep Batch:	480-58373	Lab File ID:	F7892.D
Dilution:	1.0			Initial Weight/Volume:	4.34 g
Analysis Date:	04/07/2012 0347			Final Weight/Volume:	5 mL
Prep Date:	04/05/2012 1551				

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
1,1,1-Trichloroethane		ND		0.47	6.5
1,1,2,2-Tetrachloroethane		ND		1.1	6.5
1,1,2-Trichloroethane		ND		0.85	6.5
1,1,2-Trichloro-1,2,2-trifluoroethane		ND		1.5	6.5
1,1-Dichloroethane		ND		0.79	6.5
1,1-Dichloroethene		ND		0.80	6.5
1,2,4-Trichlorobenzene		ND		0.40	6.5
1,2-Dibromo-3-Chloropropane		ND		3.3	6.5
1,2-Dibromoethane		ND		0.84	6.5
1,2-Dichlorobenzene		ND		0.51	6.5
1,2-Dichloroethane		ND		0.33	6.5
1,2-Dichloropropane		ND		3.3	6.5
1,3-Dichlorobenzene		ND		0.33	6.5
1,4-Dichlorobenzene		ND		0.91	6.5
2-Hexanone		ND		3.3	33
2-Butanone (MEK)		ND		2.4	33
4-Methyl-2-pentanone (MIBK)		ND		2.1	33
Acetone		ND		5.5	33
Benzene		ND		0.32	6.5
Bromodichloromethane		ND		0.87	6.5
Bromoform		ND		3.3	6.5
Bromomethane		ND		0.59	6.5
Carbon disulfide		ND		3.3	6.5
Carbon tetrachloride		ND		0.63	6.5
Chlorobenzene		ND		0.86	6.5
Dibromochloromethane		ND		0.83	6.5
Chloroethane		ND		1.5	6.5
Chloroform		ND		0.40	6.5
Chloromethane		ND		0.39	6.5
cis-1,2-Dichloroethene		ND		0.83	6.5
cis-1,3-Dichloropropene		ND		0.94	6.5
Cyclohexane		ND		0.91	6.5
Dichlorodifluoromethane		ND		0.54	6.5
Ethylbenzene		ND		0.45	6.5
Isopropylbenzene		ND		0.98	6.5
Methyl acetate		ND		1.2	6.5
Methyl tert-butyl ether		ND		0.64	6.5
Methylcyclohexane		ND		0.99	6.5
Methylene Chloride		ND		3.0	6.5
Styrene		ND		0.33	6.5
Tetrachloroethene		ND		0.87	6.5
Toluene		ND		0.49	6.5
trans-1,2-Dichloroethene		ND		0.67	6.5
trans-1,3-Dichloropropene		ND		2.9	6.5
Trichloroethene		ND		1.4	6.5
Trichlorofluoromethane		ND		0.62	6.5

Client: CHA Inc

Job Number: 480-18068-1

Client Sample ID: **RB-06 (6"-12"**

Lab Sample ID: 480-18068-11
Client Matrix: Solid
% Moisture: 11.5

Date Sampled: 04/02/2012 1625
Date Received: 04/04/2012 0900

8260B Volatile Organic Compounds (GC/MS)

Analysis Method:	8260B	Analysis Batch:	480-58567	Instrument ID:	HP5973F
Prep Method:	5035	Prep Batch:	480-58373	Lab File ID:	F7892.D
Dilution:	1.0			Initial Weight/Volume:	4.34 g
Analysis Date:	04/07/2012 0347			Final Weight/Volume:	5 mL
Prep Date:	04/05/2012 1551				

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
Vinyl chloride		ND		0.79	6.5
Xylenes, Total		1.1	J B	1.1	13

Surrogate	%Rec	Qualifier	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	102		64 - 126
Toluene-d8 (Surr)	106		71 - 125
4-Bromofluorobenzene (Surr)	97		72 - 126

Client: CHA Inc

Job Number: 480-18068-1

Client Sample ID: **RB-06 (6"-12"**

Lab Sample ID: 480-18068-11
Client Matrix: Solid
% Moisture: 11.5

Date Sampled: 04/02/2012 1625
Date Received: 04/04/2012 0900

8260B Volatile Organic Compounds (GC/MS)

Analysis Method:	8260B	Analysis Batch:	480-58567	Instrument ID:	HP5973F
Prep Method:	5035	Prep Batch:	480-58373	Lab File ID:	F7892.D
Dilution:	1.0			Initial Weight/Volume:	4.34 g
Analysis Date:	04/07/2012 0347			Final Weight/Volume:	5 mL
Prep Date:	04/05/2012 1551				

Tentatively Identified Compounds **Number TIC's Found:** **0**

Cas Number	Analyte	RT	Est. Result (ug/Kg)	Qualifier
	Tentatively Identified Compound		None	

Client: CHA Inc

Job Number: 480-18068-1

Client Sample ID: **RB-06 (12"-24")**

Lab Sample ID: 480-18068-12
Client Matrix: Solid
% Moisture: 11.1

Date Sampled: 04/02/2012 1635
Date Received: 04/04/2012 0900

8260B Volatile Organic Compounds (GC/MS)

Analysis Method:	8260B	Analysis Batch:	480-58567	Instrument ID:	HP5973F
Prep Method:	5035	Prep Batch:	480-58373	Lab File ID:	F7893.D
Dilution:	1.0			Initial Weight/Volume:	4.36 g
Analysis Date:	04/07/2012 0413			Final Weight/Volume:	5 mL
Prep Date:	04/05/2012 1551				

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
1,1,1-Trichloroethane		ND		0.47	6.5
1,1,2,2-Tetrachloroethane		ND		1.0	6.5
1,1,2-Trichloroethane		ND		0.84	6.5
1,1,2-Trichloro-1,2,2-trifluoroethane		ND		1.5	6.5
1,1-Dichloroethane		ND		0.79	6.5
1,1-Dichloroethene		ND		0.79	6.5
1,2,4-Trichlorobenzene		ND		0.39	6.5
1,2-Dibromo-3-Chloropropane		ND		3.2	6.5
1,2-Dibromoethane		ND		0.83	6.5
1,2-Dichlorobenzene		ND		0.50	6.5
1,2-Dichloroethane		ND		0.32	6.5
1,2-Dichloropropane		ND		3.2	6.5
1,3-Dichlorobenzene		ND		0.33	6.5
1,4-Dichlorobenzene		ND		0.90	6.5
2-Hexanone		ND		3.2	32
2-Butanone (MEK)		ND		2.4	32
4-Methyl-2-pentanone (MIBK)		ND		2.1	32
Acetone		ND		5.4	32
Benzene		ND		0.32	6.5
Bromodichloromethane		ND		0.86	6.5
Bromoform		ND		3.2	6.5
Bromomethane		ND		0.58	6.5
Carbon disulfide		ND		3.2	6.5
Carbon tetrachloride		ND		0.62	6.5
Chlorobenzene		ND		0.85	6.5
Dibromochloromethane		ND		0.83	6.5
Chloroethane		ND		1.5	6.5
Chloroform		ND		0.40	6.5
Chloromethane		ND		0.39	6.5
cis-1,2-Dichloroethene		ND		0.83	6.5
cis-1,3-Dichloropropene		ND		0.93	6.5
Cyclohexane		ND		0.90	6.5
Dichlorodifluoromethane		ND		0.53	6.5
Ethylbenzene		ND		0.45	6.5
Isopropylbenzene		ND		0.97	6.5
Methyl acetate		ND		1.2	6.5
Methyl tert-butyl ether		ND		0.63	6.5
Methylcyclohexane		ND		0.98	6.5
Methylene Chloride		ND		3.0	6.5
Styrene		ND		0.32	6.5
Tetrachloroethene		ND		0.87	6.5
Toluene		ND		0.49	6.5
trans-1,2-Dichloroethene		ND		0.67	6.5
trans-1,3-Dichloropropene		ND		2.8	6.5
Trichloroethene		ND		1.4	6.5
Trichlorofluoromethane		ND		0.61	6.5

Client: CHA Inc

Job Number: 480-18068-1

Client Sample ID: **RB-06 (12"-24")**

Lab Sample ID: 480-18068-12
Client Matrix: Solid
% Moisture: 11.1

Date Sampled: 04/02/2012 1635
Date Received: 04/04/2012 0900

8260B Volatile Organic Compounds (GC/MS)

Analysis Method:	8260B	Analysis Batch:	480-58567	Instrument ID:	HP5973F
Prep Method:	5035	Prep Batch:	480-58373	Lab File ID:	F7893.D
Dilution:	1.0			Initial Weight/Volume:	4.36 g
Analysis Date:	04/07/2012 0413			Final Weight/Volume:	5 mL
Prep Date:	04/05/2012 1551				

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
Vinyl chloride		ND		0.79	6.5
Xylenes, Total		ND		1.1	13

Surrogate	%Rec	Qualifier	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	102		64 - 126
Toluene-d8 (Surr)	104		71 - 125
4-Bromofluorobenzene (Surr)	96		72 - 126

Client: CHA Inc

Job Number: 480-18068-1

Client Sample ID: **RB-06 (12"-24")**

Lab Sample ID: 480-18068-12
Client Matrix: Solid
% Moisture: 11.1

Date Sampled: 04/02/2012 1635
Date Received: 04/04/2012 0900

8260B Volatile Organic Compounds (GC/MS)

Analysis Method:	8260B	Analysis Batch:	480-58567	Instrument ID:	HP5973F
Prep Method:	5035	Prep Batch:	480-58373	Lab File ID:	F7893.D
Dilution:	1.0			Initial Weight/Volume:	4.36 g
Analysis Date:	04/07/2012 0413			Final Weight/Volume:	5 mL
Prep Date:	04/05/2012 1551				

Tentatively Identified Compounds **Number TIC's Found:** **0**

Cas Number	Analyte	RT	Est. Result (ug/Kg)	Qualifier
	Tentatively Identified Compound		None	

Client: CHA Inc

Job Number: 480-18068-1

Client Sample ID: **SB-A1 (15'-15'8")**

Lab Sample ID: 480-18068-13
Client Matrix: Solid
% Moisture: 17.4
Date Sampled: 04/03/2012 0905
Date Received: 04/04/2012 0900

8260B Volatile Organic Compounds (GC/MS)

Analysis Method:	8260B	Analysis Batch:	480-58567	Instrument ID:	HP5973F
Prep Method:	5035	Prep Batch:	480-58373	Lab File ID:	F7894.D
Dilution:	1.0			Initial Weight/Volume:	4.28 g
Analysis Date:	04/07/2012 0438			Final Weight/Volume:	5 mL
Prep Date:	04/05/2012 1551				

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
1,1,1-Trichloroethane		ND		0.51	7.1
1,1,2,2-Tetrachloroethane		ND		1.1	7.1
1,1,2-Trichloroethane		ND		0.92	7.1
1,1,2-Trichloro-1,2,2-trifluoroethane		ND		1.6	7.1
1,1-Dichloroethane		ND		0.86	7.1
1,1-Dichloroethene		ND		0.87	7.1
1,2,4-Trichlorobenzene		ND		0.43	7.1
1,2-Dibromo-3-Chloropropane		ND		3.5	7.1
1,2-Dibromoethane		ND		0.91	7.1
1,2-Dichlorobenzene		ND		0.55	7.1
1,2-Dichloroethane		ND		0.35	7.1
1,2-Dichloropropane		ND		3.5	7.1
1,3-Dichlorobenzene		ND		0.36	7.1
1,4-Dichlorobenzene		ND		0.99	7.1
2-Hexanone		ND		3.5	35
2-Butanone (MEK)		ND		2.6	35
4-Methyl-2-pentanone (MIBK)		ND		2.3	35
Acetone		ND		6.0	35
Benzene		ND		0.35	7.1
Bromodichloromethane		ND		0.95	7.1
Bromoform		ND		3.5	7.1
Bromomethane		ND		0.64	7.1
Carbon disulfide		ND		3.5	7.1
Carbon tetrachloride		ND		0.68	7.1
Chlorobenzene		ND		0.93	7.1
Dibromochloromethane		ND		0.90	7.1
Chloroethane		ND		1.6	7.1
Chloroform		ND		0.44	7.1
Chloromethane		ND		0.43	7.1
cis-1,2-Dichloroethene		ND		0.90	7.1
cis-1,3-Dichloropropene		ND		1.0	7.1
Cyclohexane		ND		0.99	7.1
Dichlorodifluoromethane		ND		0.58	7.1
Ethylbenzene		ND		0.49	7.1
Isopropylbenzene		ND		1.1	7.1
Methyl acetate		ND		1.3	7.1
Methyl tert-butyl ether		ND		0.69	7.1
Methylcyclohexane		ND		1.1	7.1
Methylene Chloride		ND		3.3	7.1
Styrene		ND		0.35	7.1
Tetrachloroethene		ND		0.95	7.1
Toluene		ND		0.53	7.1
trans-1,2-Dichloroethene		ND		0.73	7.1
trans-1,3-Dichloropropene		ND		3.1	7.1
Trichloroethene		3.7	J	1.6	7.1
Trichlorofluoromethane		ND		0.67	7.1

Client: CHA Inc

Job Number: 480-18068-1

Client Sample ID: **SB-A1 (15'-15'8")**

Lab Sample ID: 480-18068-13
Client Matrix: Solid
% Moisture: 17.4
Date Sampled: 04/03/2012 0905
Date Received: 04/04/2012 0900

8260B Volatile Organic Compounds (GC/MS)

Analysis Method:	8260B	Analysis Batch:	480-58567	Instrument ID:	HP5973F
Prep Method:	5035	Prep Batch:	480-58373	Lab File ID:	F7894.D
Dilution:	1.0			Initial Weight/Volume:	4.28 g
Analysis Date:	04/07/2012 0438			Final Weight/Volume:	5 mL
Prep Date:	04/05/2012 1551				

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
Vinyl chloride		ND		0.86	7.1
Xylenes, Total		ND		1.2	14

Surrogate	%Rec	Qualifier	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	101		64 - 126
Toluene-d8 (Surr)	107		71 - 125
4-Bromofluorobenzene (Surr)	91		72 - 126

Client: CHA Inc

Job Number: 480-18068-1

Client Sample ID: **SB-A1 (15'-15'8")**

Lab Sample ID: 480-18068-13
Client Matrix: Solid
% Moisture: 17.4

Date Sampled: 04/03/2012 0905
Date Received: 04/04/2012 0900

8260B Volatile Organic Compounds (GC/MS)

Analysis Method:	8260B	Analysis Batch:	480-58567	Instrument ID:	HP5973F
Prep Method:	5035	Prep Batch:	480-58373	Lab File ID:	F7894.D
Dilution:	1.0			Initial Weight/Volume:	4.28 g
Analysis Date:	04/07/2012 0438			Final Weight/Volume:	5 mL
Prep Date:	04/05/2012 1551				

Tentatively Identified Compounds **Number TIC's Found:** **0**

Cas Number	Analyte	RT	Est. Result (ug/Kg)	Qualifier
	Tentatively Identified Compound		None	

Client: CHA Inc

Job Number: 480-18068-1

Client Sample ID: **SB-A2 (10'-11')**

Lab Sample ID: 480-18068-14
Client Matrix: Solid
% Moisture: 8.1

Date Sampled: 04/03/2012 0958
Date Received: 04/04/2012 0900

8260B Volatile Organic Compounds (GC/MS)

Analysis Method:	8260B	Analysis Batch:	480-58567	Instrument ID:	HP5973F
Prep Method:	5035	Prep Batch:	480-58373	Lab File ID:	F7895.D
Dilution:	1.0			Initial Weight/Volume:	4.86 g
Analysis Date:	04/07/2012 0503			Final Weight/Volume:	5 mL
Prep Date:	04/05/2012 1551				

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
1,1,1-Trichloroethane		ND		0.41	5.6
1,1,2,2-Tetrachloroethane		ND		0.91	5.6
1,1,2-Trichloroethane		ND		0.73	5.6
1,1,2-Trichloro-1,2,2-trifluoroethane		ND		1.3	5.6
1,1-Dichloroethane		ND		0.68	5.6
1,1-Dichloroethene		ND		0.69	5.6
1,2,4-Trichlorobenzene		ND		0.34	5.6
1,2-Dibromo-3-Chloropropane		ND		2.8	5.6
1,2-Dibromoethane		ND		0.72	5.6
1,2-Dichlorobenzene		ND		0.44	5.6
1,2-Dichloroethane		ND		0.28	5.6
1,2-Dichloropropane		ND		2.8	5.6
1,3-Dichlorobenzene		ND		0.29	5.6
1,4-Dichlorobenzene		ND		0.78	5.6
2-Hexanone		ND		2.8	28
2-Butanone (MEK)		2.8	J	2.0	28
4-Methyl-2-pentanone (MIBK)		ND		1.8	28
Acetone		12	J	4.7	28
Benzene		ND		0.27	5.6
Bromodichloromethane		ND		0.75	5.6
Bromoform		ND		2.8	5.6
Bromomethane		ND		0.50	5.6
Carbon disulfide		ND		2.8	5.6
Carbon tetrachloride		ND		0.54	5.6
Chlorobenzene		ND		0.74	5.6
Dibromochloromethane		ND		0.72	5.6
Chloroethane		ND		1.3	5.6
Chloroform		ND		0.35	5.6
Chloromethane		ND		0.34	5.6
cis-1,2-Dichloroethene		ND		0.72	5.6
cis-1,3-Dichloropropene		ND		0.81	5.6
Cyclohexane		ND		0.78	5.6
Dichlorodifluoromethane		ND		0.46	5.6
Ethylbenzene		ND		0.39	5.6
Isopropylbenzene		ND		0.84	5.6
Methyl acetate		ND		1.0	5.6
Methyl tert-butyl ether		ND		0.55	5.6
Methylcyclohexane		ND		0.85	5.6
Methylene Chloride		ND		2.6	5.6
Styrene		ND		0.28	5.6
Tetrachloroethene		ND		0.75	5.6
Toluene		0.65	J	0.42	5.6
trans-1,2-Dichloroethene		ND		0.58	5.6
trans-1,3-Dichloropropene		ND		2.5	5.6
Trichloroethene		ND		1.2	5.6
Trichlorofluoromethane		ND		0.53	5.6

Client: CHA Inc

Job Number: 480-18068-1

Client Sample ID: **SB-A2 (10'-11')**

Lab Sample ID: 480-18068-14
Client Matrix: Solid
% Moisture: 8.1

Date Sampled: 04/03/2012 0958
Date Received: 04/04/2012 0900

8260B Volatile Organic Compounds (GC/MS)

Analysis Method:	8260B	Analysis Batch:	480-58567	Instrument ID:	HP5973F
Prep Method:	5035	Prep Batch:	480-58373	Lab File ID:	F7895.D
Dilution:	1.0			Initial Weight/Volume:	4.86 g
Analysis Date:	04/07/2012 0503			Final Weight/Volume:	5 mL
Prep Date:	04/05/2012 1551				

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
Vinyl chloride		ND		0.68	5.6
Xylenes, Total		ND		0.94	11

Surrogate	%Rec	Qualifier	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	102		64 - 126
Toluene-d8 (Surr)	106		71 - 125
4-Bromofluorobenzene (Surr)	96		72 - 126

Client: CHA Inc

Job Number: 480-18068-1

Client Sample ID: **SB-A2 (10'-11')**

Lab Sample ID: 480-18068-14
Client Matrix: Solid
% Moisture: 8.1

Date Sampled: 04/03/2012 0958
Date Received: 04/04/2012 0900

8260B Volatile Organic Compounds (GC/MS)

Analysis Method:	8260B	Analysis Batch:	480-58567	Instrument ID:	HP5973F
Prep Method:	5035	Prep Batch:	480-58373	Lab File ID:	F7895.D
Dilution:	1.0			Initial Weight/Volume:	4.86 g
Analysis Date:	04/07/2012 0503			Final Weight/Volume:	5 mL
Prep Date:	04/05/2012 1551				

Tentatively Identified Compounds **Number TIC's Found:** **10**

Cas Number	Analyte	RT	Est. Result (ug/Kg)	Qualifier
	Unknown	2.03	28	T J
	Unknown	2.36	19	T J
78-78-4	Butane, 2-methyl-	2.78	16	T J N
109-66-0	Pentane	2.95	20	T J N
107-83-5	Pentane, 2-methyl-	3.68	21	T J N
96-14-0	Pentane, 3-methyl-	3.88	14	T J N
110-54-3	Hexane	4.07	14	J
	Unknown	5.02	6.4	T J
	Unknown	5.17	11	T J
66-25-1	Hexanal	7.81	12	T J N

Client: CHA Inc

Job Number: 480-18068-1

Client Sample ID: **SB-A3 (5'-6'1")**

Lab Sample ID: 480-18068-15
Client Matrix: Solid
% Moisture: 6.5

Date Sampled: 04/03/2012 1148
Date Received: 04/04/2012 0900

8260B Volatile Organic Compounds (GC/MS)

Analysis Method:	8260B	Analysis Batch:	480-58567	Instrument ID:	HP5973F
Prep Method:	5035	Prep Batch:	480-58373	Lab File ID:	F7896.D
Dilution:	1.0			Initial Weight/Volume:	5.51 g
Analysis Date:	04/07/2012 0529			Final Weight/Volume:	5 mL
Prep Date:	04/05/2012 1551				

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
1,1,1-Trichloroethane		ND		0.35	4.9
1,1,2,2-Tetrachloroethane		ND		0.79	4.9
1,1,2-Trichloroethane		ND		0.63	4.9
1,1,2-Trichloro-1,2,2-trifluoroethane		ND		1.1	4.9
1,1-Dichloroethane		ND		0.59	4.9
1,1-Dichloroethene		ND		0.59	4.9
1,2,4-Trichlorobenzene		ND		0.29	4.9
1,2-Dibromo-3-Chloropropane		ND		2.4	4.9
1,2-Dibromoethane		ND		0.62	4.9
1,2-Dichlorobenzene		ND		0.38	4.9
1,2-Dichloroethane		ND		0.24	4.9
1,2-Dichloropropane		ND		2.4	4.9
1,3-Dichlorobenzene		ND		0.25	4.9
1,4-Dichlorobenzene		ND		0.68	4.9
2-Hexanone		ND		2.4	24
2-Butanone (MEK)		ND		1.8	24
4-Methyl-2-pentanone (MIBK)		ND		1.6	24
Acetone		ND		4.1	24
Benzene		ND		0.24	4.9
Bromodichloromethane		ND		0.65	4.9
Bromoform		ND		2.4	4.9
Bromomethane		ND		0.44	4.9
Carbon disulfide		ND		2.4	4.9
Carbon tetrachloride		ND		0.47	4.9
Chlorobenzene		ND		0.64	4.9
Dibromochloromethane		ND		0.62	4.9
Chloroethane		ND		1.1	4.9
Chloroform		ND		0.30	4.9
Chloromethane		ND		0.29	4.9
cis-1,2-Dichloroethene		ND		0.62	4.9
cis-1,3-Dichloropropene		ND		0.70	4.9
Cyclohexane		ND		0.68	4.9
Dichlorodifluoromethane		ND		0.40	4.9
Ethylbenzene		ND		0.33	4.9
Isopropylbenzene		ND		0.73	4.9
Methyl acetate		ND		0.90	4.9
Methyl tert-butyl ether		ND		0.48	4.9
Methylcyclohexane		ND		0.74	4.9
Methylene Chloride		ND		2.2	4.9
Styrene		ND		0.24	4.9
Tetrachloroethene		ND		0.65	4.9
Toluene		ND		0.37	4.9
trans-1,2-Dichloroethene		ND		0.50	4.9
trans-1,3-Dichloropropene		ND		2.1	4.9
Trichloroethene		ND		1.1	4.9
Trichlorofluoromethane		ND		0.46	4.9

Client: CHA Inc

Job Number: 480-18068-1

Client Sample ID: **SB-A3 (5'-6'1")**

Lab Sample ID: 480-18068-15
Client Matrix: Solid
% Moisture: 6.5

Date Sampled: 04/03/2012 1148
Date Received: 04/04/2012 0900

8260B Volatile Organic Compounds (GC/MS)

Analysis Method:	8260B	Analysis Batch:	480-58567	Instrument ID:	HP5973F
Prep Method:	5035	Prep Batch:	480-58373	Lab File ID:	F7896.D
Dilution:	1.0			Initial Weight/Volume:	5.51 g
Analysis Date:	04/07/2012 0529			Final Weight/Volume:	5 mL
Prep Date:	04/05/2012 1551				

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
Vinyl chloride		ND		0.59	4.9
Xylenes, Total		ND		0.81	9.7

Surrogate	%Rec	Qualifier	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	102		64 - 126
Toluene-d8 (Surr)	103		71 - 125
4-Bromofluorobenzene (Surr)	98		72 - 126

Client: CHA Inc

Job Number: 480-18068-1

Client Sample ID: **SB-A3 (5'-6'1")**

Lab Sample ID: 480-18068-15
Client Matrix: Solid
% Moisture: 6.5

Date Sampled: 04/03/2012 1148
Date Received: 04/04/2012 0900

8260B Volatile Organic Compounds (GC/MS)

Analysis Method:	8260B	Analysis Batch:	480-58567	Instrument ID:	HP5973F
Prep Method:	5035	Prep Batch:	480-58373	Lab File ID:	F7896.D
Dilution:	1.0			Initial Weight/Volume:	5.51 g
Analysis Date:	04/07/2012 0529			Final Weight/Volume:	5 mL
Prep Date:	04/05/2012 1551				

Tentatively Identified Compounds **Number TIC's Found:** **0**

Cas Number	Analyte	RT	Est. Result (ug/Kg)	Qualifier
	Tentatively Identified Compound		None	

Client: CHA Inc

Job Number: 480-18068-1

Client Sample ID: **DUP-03**

Lab Sample ID: 480-18068-16
Client Matrix: Solid
% Moisture: 11.5
Date Sampled: 04/03/2012 1030
Date Received: 04/04/2012 0900

8260B Volatile Organic Compounds (GC/MS)

Analysis Method:	8260B	Analysis Batch:	480-58856	Instrument ID:	HP5973F
Prep Method:	5035	Prep Batch:	480-58917	Lab File ID:	F7977.D
Dilution:	1.0			Initial Weight/Volume:	4.99 g
Analysis Date:	04/10/2012 1736			Final Weight/Volume:	5 mL
Prep Date:	04/10/2012 1150				

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
1,1,1-Trichloroethane		ND		0.41	5.7
1,1,2,2-Tetrachloroethane		ND		0.92	5.7
1,1,2-Trichloroethane		ND		0.74	5.7
1,1,2-Trichloro-1,2,2-trifluoroethane		ND		1.3	5.7
1,1-Dichloroethane		ND		0.69	5.7
1,1-Dichloroethene		ND		0.69	5.7
1,2,4-Trichlorobenzene		ND		0.34	5.7
1,2-Dibromo-3-Chloropropane		ND		2.8	5.7
1,2-Dibromoethane		ND		0.73	5.7
1,2-Dichlorobenzene		ND		0.44	5.7
1,2-Dichloroethane		ND		0.28	5.7
1,2-Dichloropropane		ND		2.8	5.7
1,3-Dichlorobenzene		ND		0.29	5.7
1,4-Dichlorobenzene		ND		0.79	5.7
2-Hexanone		ND		2.8	28
2-Butanone (MEK)		5.1	J	2.1	28
4-Methyl-2-pentanone (MIBK)		ND		1.9	28
Acetone		23	J	4.8	28
Benzene		ND		0.28	5.7
Bromodichloromethane		ND		0.76	5.7
Bromoform		ND		2.8	5.7
Bromomethane		ND		0.51	5.7
Carbon disulfide		ND		2.8	5.7
Carbon tetrachloride		ND		0.55	5.7
Chlorobenzene		ND		0.75	5.7
Dibromochloromethane		ND		0.73	5.7
Chloroethane		ND		1.3	5.7
Chloroform		ND		0.35	5.7
Chloromethane		ND		0.34	5.7
cis-1,2-Dichloroethene		ND		0.73	5.7
cis-1,3-Dichloropropene		ND		0.82	5.7
Cyclohexane		ND		0.79	5.7
Dichlorodifluoromethane		ND		0.47	5.7
Ethylbenzene		0.60	J	0.39	5.7
Isopropylbenzene		ND		0.85	5.7
Methyl acetate		ND		1.1	5.7
Methyl tert-butyl ether		ND		0.56	5.7
Methylcyclohexane		ND		0.86	5.7
Methylene Chloride		ND		2.6	5.7
Styrene		ND		0.28	5.7
Tetrachloroethene		ND		0.76	5.7
Toluene		1.0	J	0.43	5.7
trans-1,2-Dichloroethene		ND		0.58	5.7
trans-1,3-Dichloropropene		ND		2.5	5.7
Trichloroethene		ND		1.2	5.7
Trichlorofluoromethane		ND		0.54	5.7

Client: CHA Inc

Job Number: 480-18068-1

Client Sample ID: **DUP-03**

Lab Sample ID: 480-18068-16
Client Matrix: Solid
% Moisture: 11.5

Date Sampled: 04/03/2012 1030
Date Received: 04/04/2012 0900

8260B Volatile Organic Compounds (GC/MS)

Analysis Method:	8260B	Analysis Batch:	480-58856	Instrument ID:	HP5973F
Prep Method:	5035	Prep Batch:	480-58917	Lab File ID:	F7977.D
Dilution:	1.0			Initial Weight/Volume:	4.99 g
Analysis Date:	04/10/2012 1736			Final Weight/Volume:	5 mL
Prep Date:	04/10/2012 1150				

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
Vinyl chloride		ND		0.69	5.7
Xylenes, Total		1.4	J	0.95	11

Surrogate	%Rec	Qualifier	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	96		64 - 126
Toluene-d8 (Surr)	110		71 - 125
4-Bromofluorobenzene (Surr)	106		72 - 126

Client: CHA Inc

Job Number: 480-18068-1

Client Sample ID: **DUP-03**

Lab Sample ID: 480-18068-16
Client Matrix: Solid
% Moisture: 11.5

Date Sampled: 04/03/2012 1030
Date Received: 04/04/2012 0900

8260B Volatile Organic Compounds (GC/MS)

Analysis Method:	8260B	Analysis Batch:	480-58856	Instrument ID:	HP5973F
Prep Method:	5035	Prep Batch:	480-58917	Lab File ID:	F7977.D
Dilution:	1.0			Initial Weight/Volume:	4.99 g
Analysis Date:	04/10/2012 1736			Final Weight/Volume:	5 mL
Prep Date:	04/10/2012 1150				

Tentatively Identified Compounds **Number TIC's Found:** **10**

Cas Number	Analyte	RT	Est. Result (ug/Kg)	Qualifier
	Unknown	2.03	58	T J
	Unknown	2.21	7.3	T J
115-11-7	1-Propene, 2-methyl-	2.28	8.0	T J N
	Unknown	2.36	27	T J
78-78-4	Butane, 2-methyl-	2.79	29	T J N
109-66-0	Pentane	2.95	25	T J N
107-83-5	Pentane, 2-methyl-	3.68	19	T J N
96-14-0	Pentane, 3-methyl-	3.88	16	T J N
110-54-3	Hexane	4.07	12	J
	Unknown	5.17	7.6	T J

Client: CHA Inc

Job Number: 480-18068-1

Client Sample ID: **EQUIPMENT BLANK**

Lab Sample ID: 480-18068-17
Client Matrix: Water

Date Sampled: 04/03/2012 1210
Date Received: 04/04/2012 0900

8260B Volatile Organic Compounds (GC/MS)

Analysis Method:	8260B	Analysis Batch:	480-58634	Instrument ID:	HP5973G
Prep Method:	5030B	Prep Batch:	N/A	Lab File ID:	G10806.D
Dilution:	1.0			Initial Weight/Volume:	5 mL
Analysis Date:	04/07/2012 2351			Final Weight/Volume:	5 mL
Prep Date:	04/07/2012 2351				

Analyte	Result (ug/L)	Qualifier	MDL	RL
1,1,1-Trichloroethane	ND		0.82	1.0
1,1,2,2-Tetrachloroethane	ND		0.21	1.0
1,1,2-Trichloroethane	ND		0.23	1.0
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		0.31	1.0
1,1-Dichloroethane	ND		0.38	1.0
1,1-Dichloroethene	ND		0.29	1.0
1,2,4-Trichlorobenzene	ND		0.41	1.0
1,2-Dibromo-3-Chloropropane	ND		0.39	1.0
1,2-Dibromoethane	ND		0.73	1.0
1,2-Dichlorobenzene	ND		0.79	1.0
1,2-Dichloroethane	ND		0.21	1.0
1,2-Dichloropropane	ND		0.72	1.0
1,3-Dichlorobenzene	ND		0.78	1.0
1,4-Dichlorobenzene	ND		0.84	1.0
2-Hexanone	ND		1.2	5.0
2-Butanone (MEK)	ND		1.3	10
4-Methyl-2-pentanone (MIBK)	ND		2.1	5.0
Acetone	ND		3.0	10
Benzene	ND		0.41	1.0
Bromodichloromethane	ND		0.39	1.0
Bromoform	ND		0.26	1.0
Bromomethane	ND		0.69	1.0
Carbon disulfide	ND		0.19	1.0
Carbon tetrachloride	ND		0.27	1.0
Chlorobenzene	ND		0.75	1.0
Dibromochloromethane	ND		0.32	1.0
Chloroethane	ND		0.32	1.0
Chloroform	ND		0.34	1.0
Chloromethane	ND		0.35	1.0
cis-1,2-Dichloroethene	ND		0.81	1.0
cis-1,3-Dichloropropene	ND		0.36	1.0
Cyclohexane	ND		0.18	1.0
Dichlorodifluoromethane	ND		0.68	1.0
Ethylbenzene	ND		0.74	1.0
Isopropylbenzene	ND		0.79	1.0
Methyl acetate	ND		0.50	1.0
Methyl tert-butyl ether	ND		0.16	1.0
Methylcyclohexane	ND		0.16	1.0
Methylene Chloride	ND		0.44	1.0
Styrene	ND		0.73	1.0
Tetrachloroethene	ND		0.36	1.0
Toluene	ND		0.51	1.0
trans-1,2-Dichloroethene	ND		0.90	1.0
trans-1,3-Dichloropropene	ND		0.37	1.0
Trichloroethene	ND		0.46	1.0
Trichlorofluoromethane	ND		0.88	1.0

Client: CHA Inc

Job Number: 480-18068-1

Client Sample ID: **EQUIPMENT BLANK**

Lab Sample ID: 480-18068-17
Client Matrix: Water

Date Sampled: 04/03/2012 1210
Date Received: 04/04/2012 0900

8260B Volatile Organic Compounds (GC/MS)

Analysis Method:	8260B	Analysis Batch:	480-58634	Instrument ID:	HP5973G
Prep Method:	5030B	Prep Batch:	N/A	Lab File ID:	G10806.D
Dilution:	1.0			Initial Weight/Volume:	5 mL
Analysis Date:	04/07/2012 2351			Final Weight/Volume:	5 mL
Prep Date:	04/07/2012 2351				

Analyte	Result (ug/L)	Qualifier	MDL	RL
Vinyl chloride	ND		0.90	1.0
Xylenes, Total	ND		0.66	2.0

Surrogate	%Rec	Qualifier	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	104		66 - 137
Toluene-d8 (Surr)	108		71 - 126
4-Bromofluorobenzene (Surr)	109		73 - 120

Client: CHA Inc

Job Number: 480-18068-1

Client Sample ID: **EQUIPMENT BLANK**

Lab Sample ID: 480-18068-17
Client Matrix: Water

Date Sampled: 04/03/2012 1210
Date Received: 04/04/2012 0900

8260B Volatile Organic Compounds (GC/MS)

Analysis Method:	8260B	Analysis Batch:	480-58634	Instrument ID:	HP5973G
Prep Method:	5030B	Prep Batch:	N/A	Lab File ID:	G10806.D
Dilution:	1.0			Initial Weight/Volume:	5 mL
Analysis Date:	04/07/2012 2351			Final Weight/Volume:	5 mL
Prep Date:	04/07/2012 2351				

Tentatively Identified Compounds **Number TIC's Found:** **0**

Cas Number	Analyte	RT	Est. Result (ug/L)	Qualifier
	Tentatively Identified Compound		None	

Client: CHA Inc

Job Number: 480-18068-1

Client Sample ID: **TRIP BLANK**

Lab Sample ID: 480-18068-18
Client Matrix: Water

Date Sampled: 04/03/2012 0000
Date Received: 04/04/2012 0900

8260B Volatile Organic Compounds (GC/MS)

Analysis Method:	8260B	Analysis Batch:	480-58634	Instrument ID:	HP5973G
Prep Method:	5030B	Prep Batch:	N/A	Lab File ID:	G10807.D
Dilution:	1.0			Initial Weight/Volume:	5 mL
Analysis Date:	04/08/2012 0014			Final Weight/Volume:	5 mL
Prep Date:	04/08/2012 0014				

Analyte	Result (ug/L)	Qualifier	MDL	RL
1,1,1-Trichloroethane	ND		0.82	1.0
1,1,2,2-Tetrachloroethane	ND		0.21	1.0
1,1,2-Trichloroethane	ND		0.23	1.0
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		0.31	1.0
1,1-Dichloroethane	ND		0.38	1.0
1,1-Dichloroethene	ND		0.29	1.0
1,2,4-Trichlorobenzene	ND		0.41	1.0
1,2-Dibromo-3-Chloropropane	ND		0.39	1.0
1,2-Dibromoethane	ND		0.73	1.0
1,2-Dichlorobenzene	ND		0.79	1.0
1,2-Dichloroethane	ND		0.21	1.0
1,2-Dichloropropane	ND		0.72	1.0
1,3-Dichlorobenzene	ND		0.78	1.0
1,4-Dichlorobenzene	ND		0.84	1.0
2-Hexanone	ND		1.2	5.0
2-Butanone (MEK)	ND		1.3	10
4-Methyl-2-pentanone (MIBK)	ND		2.1	5.0
Acetone	ND		3.0	10
Benzene	ND		0.41	1.0
Bromodichloromethane	ND		0.39	1.0
Bromoform	ND		0.26	1.0
Bromomethane	ND		0.69	1.0
Carbon disulfide	ND		0.19	1.0
Carbon tetrachloride	ND		0.27	1.0
Chlorobenzene	ND		0.75	1.0
Dibromochloromethane	ND		0.32	1.0
Chloroethane	ND		0.32	1.0
Chloroform	ND		0.34	1.0
Chloromethane	ND		0.35	1.0
cis-1,2-Dichloroethene	ND		0.81	1.0
cis-1,3-Dichloropropene	ND		0.36	1.0
Cyclohexane	ND		0.18	1.0
Dichlorodifluoromethane	ND		0.68	1.0
Ethylbenzene	ND		0.74	1.0
Isopropylbenzene	ND		0.79	1.0
Methyl acetate	ND		0.50	1.0
Methyl tert-butyl ether	ND		0.16	1.0
Methylcyclohexane	ND		0.16	1.0
Methylene Chloride	ND		0.44	1.0
Styrene	ND		0.73	1.0
Tetrachloroethene	ND		0.36	1.0
Toluene	ND		0.51	1.0
trans-1,2-Dichloroethene	ND		0.90	1.0
trans-1,3-Dichloropropene	ND		0.37	1.0
Trichloroethene	ND		0.46	1.0
Trichlorofluoromethane	ND		0.88	1.0

Client: CHA Inc

Job Number: 480-18068-1

Client Sample ID: **TRIP BLANK**

Lab Sample ID: 480-18068-18
Client Matrix: Water

Date Sampled: 04/03/2012 0000
Date Received: 04/04/2012 0900

8260B Volatile Organic Compounds (GC/MS)

Analysis Method:	8260B	Analysis Batch:	480-58634	Instrument ID:	HP5973G
Prep Method:	5030B	Prep Batch:	N/A	Lab File ID:	G10807.D
Dilution:	1.0			Initial Weight/Volume:	5 mL
Analysis Date:	04/08/2012 0014			Final Weight/Volume:	5 mL
Prep Date:	04/08/2012 0014				

Analyte	Result (ug/L)	Qualifier	MDL	RL
Vinyl chloride	ND		0.90	1.0
Xylenes, Total	ND		0.66	2.0

Surrogate	%Rec	Qualifier	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	107		66 - 137
Toluene-d8 (Surr)	110		71 - 126
4-Bromofluorobenzene (Surr)	110		73 - 120

Client: CHA Inc

Job Number: 480-18068-1

Client Sample ID: **RB-03 (0-6")**

Lab Sample ID: 480-18068-1
Client Matrix: Solid
% Moisture: 24.5
Date Sampled: 04/02/2012 1115
Date Received: 04/04/2012 0900

8270C Semivolatile Organic Compounds (GC/MS)

Analysis Method:	8270C	Analysis Batch:	480-58786	Instrument ID:	HP5973X
Prep Method:	3550B	Prep Batch:	480-58302	Lab File ID:	X5093.D
Dilution:	1.0			Initial Weight/Volume:	+30.04 g
Analysis Date:	04/09/2012 1840			Final Weight/Volume:	1 mL
Prep Date:	04/05/2012 1044			Injection Volume:	1 uL

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
2,4,5-Trichlorophenol		ND		49	220
2,4,6-Trichlorophenol		ND		15	220
2,4-Dichlorophenol		ND		12	220
2,4-Dimethylphenol		ND		60	220
2,4-Dinitrophenol		ND		78	440
2,4-Dinitrotoluene		ND		35	220
2,6-Dinitrotoluene		ND		55	220
2-Chloronaphthalene		ND		15	220
2-Chlorophenol		ND		11	220
2-Methylnaphthalene		5.3	J	2.7	220
2-Methylphenol		ND		6.9	220
2-Nitroaniline		ND		72	440
2-Nitrophenol		ND		10	220
3,3'-Dichlorobenzidine		ND		200	220
3-Nitroaniline		ND		51	440
4,6-Dinitro-2-methylphenol		ND		77	440
4-Bromophenyl phenyl ether		ND		71	220
4-Chloro-3-methylphenol		ND		9.2	220
4-Chloroaniline		ND		66	220
4-Chlorophenyl phenyl ether		ND		4.8	220
4-Methylphenol		21	J	12	440
4-Nitroaniline		ND		25	440
4-Nitrophenol		ND	*	54	440
Acenaphthene		12	J	2.6	220
Acenaphthylene		ND		1.8	220
Acetophenone		ND		11	220
Anthracene		30	J	5.7	220
Atrazine		ND	*	9.9	220
Benzaldehyde		ND		24	220
Benzo(a)anthracene		140	J	3.9	220
Benzo(a)pyrene		170	J	5.4	220
Benzo(b)fluoranthene		230		4.3	220
Benzo(g,h,i)perylene		140	J	2.7	220
Benzo(k)fluoranthene		87	J	2.5	220
Biphenyl		ND		14	220
bis (2-chloroisopropyl) ether		ND		23	220
Bis(2-chloroethoxy)methane		ND		12	220
Bis(2-chloroethyl)ether		ND		19	220
Bis(2-ethylhexyl) phthalate		ND		72	220
Butyl benzyl phthalate		ND		60	220
Caprolactam		ND		97	220
Carbazole		ND		2.6	220
Chrysene		150	J	2.2	220
Dibenz(a,h)anthracene		25	J	2.6	220
Dibenzofuran		ND		2.3	220
Diethyl phthalate		ND		6.7	220

Client: CHA Inc

Job Number: 480-18068-1

Client Sample ID: **RB-03 (0-6")**

Lab Sample ID: 480-18068-1
Client Matrix: Solid
% Moisture: 24.5
Date Sampled: 04/02/2012 1115
Date Received: 04/04/2012 0900

8270C Semivolatile Organic Compounds (GC/MS)

Analysis Method:	8270C	Analysis Batch:	480-58786	Instrument ID:	HP5973X
Prep Method:	3550B	Prep Batch:	480-58302	Lab File ID:	X5093.D
Dilution:	1.0			Initial Weight/Volume:	+30.04 g
Analysis Date:	04/09/2012 1840			Final Weight/Volume:	1 mL
Prep Date:	04/05/2012 1044			Injection Volume:	1 uL

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
Dimethyl phthalate		ND		5.8	220
Di-n-butyl phthalate		ND		77	220
Di-n-octyl phthalate		ND		5.2	220
Fluoranthene		270		3.2	220
Fluorene		ND		5.1	220
Hexachlorobenzene		ND		11	220
Hexachlorobutadiene		ND		11	220
Hexachlorocyclopentadiene		ND		67	220
Hexachloroethane		ND		17	220
Indeno(1,2,3-cd)pyrene		120	J	6.2	220
Isophorone		ND		11	220
Naphthalene		ND		3.7	220
Nitrobenzene		ND		9.9	220
N-Nitrosodi-n-propylamine		ND		18	220
N-Nitrosodiphenylamine		ND		12	220
Pentachlorophenol		ND		77	440
Phenanthrene		150	J	4.7	220
Phenol		ND		23	220
Pyrene		230		1.4	220

Surrogate	%Rec	Qualifier	Acceptance Limits
2,4,6-Tribromophenol	96		39 - 146
2-Fluorobiphenyl	73		37 - 120
2-Fluorophenol	58		18 - 120
Nitrobenzene-d5	66		34 - 132
Phenol-d5	67		11 - 120
p-Terphenyl-d14	92		65 - 153

Client: CHA Inc

Job Number: 480-18068-1

Client Sample ID: **RB-03 (0-6")**

Lab Sample ID: 480-18068-1
Client Matrix: Solid
% Moisture: 24.5

Date Sampled: 04/02/2012 1115
Date Received: 04/04/2012 0900

8270C Semivolatile Organic Compounds (GC/MS)

Analysis Method:	8270C	Analysis Batch:	480-58786	Instrument ID:	HP5973X
Prep Method:	3550B	Prep Batch:	480-58302	Lab File ID:	X5093.D
Dilution:	1.0			Initial Weight/Volume:	+30.04 g
Analysis Date:	04/09/2012 1840			Final Weight/Volume:	1 mL
Prep Date:	04/05/2012 1044			Injection Volume:	1 uL

Tentatively Identified Compounds **Number TIC's Found:** **10**

Cas Number	Analyte	RT	Est. Result (ug/Kg)	Qualifier
	Unknown	2.31	2300	T J
79-34-5	Ethane, 1,1,2,2-tetrachloro-	5.04	440	T J N
	Unknown	11.77	260	T J
53282-47-6	Bicyclo[4.1.0]heptane, 7-(1-methylethyli	12.22	360	T J N
112-95-8	Eicosane	15.20	270	T J N
83-47-6	.gamma.-Sitosterol	16.31	2200	T J N
	Unknown	16.70	420	T J
	Unknown	16.85	400	T J
1058-61-3	Stigmast-4-en-3-one	16.98	320	T J N
	Unknown	17.07	290	T J

Client: CHA Inc

Job Number: 480-18068-1

Client Sample ID: **RB-03 (6"-12")**

Lab Sample ID: 480-18068-2
Client Matrix: Solid
% Moisture: 18.2

Date Sampled: 04/02/2012 1220
Date Received: 04/04/2012 0900

8270C Semivolatile Organic Compounds (GC/MS)

Analysis Method:	8270C	Analysis Batch:	480-58507	Instrument ID:	HP5973X
Prep Method:	3550B	Prep Batch:	480-58302	Lab File ID:	X4976.D
Dilution:	5.0			Initial Weight/Volume:	+30.36 g
Analysis Date:	04/07/2012 0037			Final Weight/Volume:	1 mL
Prep Date:	04/05/2012 1044			Injection Volume:	1 uL

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
2,4,5-Trichlorophenol		ND		220	1000
2,4,6-Trichlorophenol		ND		67	1000
2,4-Dichlorophenol		ND		53	1000
2,4-Dimethylphenol		ND		280	1000
2,4-Dinitrophenol		ND		360	2000
2,4-Dinitrotoluene		ND		160	1000
2,6-Dinitrotoluene		ND		250	1000
2-Chloronaphthalene		ND		68	1000
2-Chlorophenol		ND		52	1000
2-Methylnaphthalene		ND		12	1000
2-Methylphenol		ND		31	1000
2-Nitroaniline		ND		330	2000
2-Nitrophenol		ND		47	1000
3,3'-Dichlorobenzidine		ND		890	1000
3-Nitroaniline		ND		230	2000
4,6-Dinitro-2-methylphenol		ND		350	2000
4-Bromophenyl phenyl ether		ND		320	1000
4-Chloro-3-methylphenol		ND		42	1000
4-Chloroaniline		ND		300	1000
4-Chlorophenyl phenyl ether		ND		22	1000
4-Methylphenol		ND		57	2000
4-Nitroaniline		ND		110	2000
4-Nitrophenol		ND	*	250	2000
Acenaphthene		ND		12	1000
Acenaphthylene		ND		8.3	1000
Acetophenone		ND		52	1000
Anthracene		190	J	26	1000
Atrazine		ND	*	45	1000
Benzaldehyde		ND		110	1000
Benzo(a)anthracene		1300		18	1000
Benzo(a)pyrene		1700		25	1000
Benzo(b)fluoranthene		2400		20	1000
Benzo(g,h,i)perylene		1200		12	1000
Benzo(k)fluoranthene		880	J	11	1000
Biphenyl		ND		64	1000
bis (2-chloroisopropyl) ether		ND		110	1000
Bis(2-chloroethoxy)methane		ND		55	1000
Bis(2-chloroethyl)ether		ND		88	1000
Bis(2-ethylhexyl) phthalate		ND		330	1000
Butyl benzyl phthalate		ND		270	1000
Caprolactam		ND		440	1000
Carbazole		ND		12	1000
Chrysene		1600		10	1000
Dibenz(a,h)anthracene		ND		12	1000
Dibenzofuran		ND		11	1000
Diethyl phthalate		ND		31	1000

Client: CHA Inc

Job Number: 480-18068-1

Client Sample ID: **RB-03 (6"-12")**

Lab Sample ID: 480-18068-2
Client Matrix: Solid
% Moisture: 18.2

Date Sampled: 04/02/2012 1220
Date Received: 04/04/2012 0900

8270C Semivolatile Organic Compounds (GC/MS)

Analysis Method:	8270C	Analysis Batch:	480-58507	Instrument ID:	HP5973X
Prep Method:	3550B	Prep Batch:	480-58302	Lab File ID:	X4976.D
Dilution:	5.0			Initial Weight/Volume:	+30.36 g
Analysis Date:	04/07/2012 0037			Final Weight/Volume:	1 mL
Prep Date:	04/05/2012 1044			Injection Volume:	1 uL

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
Dimethyl phthalate		ND		27	1000
Di-n-butyl phthalate		ND		350	1000
Di-n-octyl phthalate		ND		24	1000
Fluoranthene		1500		15	1000
Fluorene		ND		24	1000
Hexachlorobenzene		ND		51	1000
Hexachlorobutadiene		ND		52	1000
Hexachlorocyclopentadiene		ND		310	1000
Hexachloroethane		ND		79	1000
Indeno(1,2,3-cd)pyrene		1200		28	1000
Isophorone		ND		51	1000
Naphthalene		ND		17	1000
Nitrobenzene		ND		45	1000
N-Nitrosodi-n-propylamine		ND		81	1000
N-Nitrosodiphenylamine		ND		56	1000
Pentachlorophenol		ND		350	2000
Phenanthrene		840	J	21	1000
Phenol		ND		110	1000
Pyrene		1500		6.6	1000

Surrogate	%Rec	Qualifier	Acceptance Limits
2,4,6-Tribromophenol	92		39 - 146
2-Fluorobiphenyl	71		37 - 120
2-Fluorophenol	55		18 - 120
Nitrobenzene-d5	72		34 - 132
Phenol-d5	67		11 - 120
p-Terphenyl-d14	98		65 - 153

Client: CHA Inc

Job Number: 480-18068-1

Client Sample ID: **RB-03 (6"-12")**

Lab Sample ID: 480-18068-2
Client Matrix: Solid
% Moisture: 18.2

Date Sampled: 04/02/2012 1220
Date Received: 04/04/2012 0900

8270C Semivolatile Organic Compounds (GC/MS)

Analysis Method:	8270C	Analysis Batch:	480-58507	Instrument ID:	HP5973X
Prep Method:	3550B	Prep Batch:	480-58302	Lab File ID:	X4976.D
Dilution:	5.0			Initial Weight/Volume:	+30.36 g
Analysis Date:	04/07/2012 0037			Final Weight/Volume:	1 mL
Prep Date:	04/05/2012 1044			Injection Volume:	1 uL

Tentatively Identified Compounds **Number TIC's Found:** **3**

Cas Number	Analyte	RT	Est. Result (ug/Kg)	Qualifier
	Unknown	2.08	1900	T J
	Unknown	14.54	1500	T J
	Unknown	14.76	15000	T J

Client: CHA Inc

Job Number: 480-18068-1

Client Sample ID: **RB-03 (12"-24")**

Lab Sample ID: 480-18068-3
Client Matrix: Solid
% Moisture: 22.9

Date Sampled: 04/02/2012 1235
Date Received: 04/04/2012 0900

8270C Semivolatile Organic Compounds (GC/MS)

Analysis Method:	8270C	Analysis Batch:	480-58507	Instrument ID:	HP5973X
Prep Method:	3550B	Prep Batch:	480-58302	Lab File ID:	X4977.D
Dilution:	5.0			Initial Weight/Volume:	+30.05 g
Analysis Date:	04/07/2012 0101			Final Weight/Volume:	1 mL
Prep Date:	04/05/2012 1044			Injection Volume:	1 uL

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
2,4,5-Trichlorophenol		ND		240	1100
2,4,6-Trichlorophenol		ND		72	1100
2,4-Dichlorophenol		ND		57	1100
2,4-Dimethylphenol		ND		300	1100
2,4-Dinitrophenol		ND		380	2100
2,4-Dinitrotoluene		ND		170	1100
2,6-Dinitrotoluene		ND		270	1100
2-Chloronaphthalene		ND		73	1100
2-Chlorophenol		ND		56	1100
2-Methylnaphthalene		ND		13	1100
2-Methylphenol		ND		34	1100
2-Nitroaniline		ND		350	2100
2-Nitrophenol		ND		50	1100
3,3'-Dichlorobenzidine		ND		960	1100
3-Nitroaniline		ND		250	2100
4,6-Dinitro-2-methylphenol		ND		380	2100
4-Bromophenyl phenyl ether		ND		350	1100
4-Chloro-3-methylphenol		ND		45	1100
4-Chloroaniline		ND		320	1100
4-Chlorophenyl phenyl ether		ND		23	1100
4-Methylphenol		ND		61	2100
4-Nitroaniline		ND		120	2100
4-Nitrophenol		ND	*	260	2100
Acenaphthene		360	J	13	1100
Acenaphthylene		ND		8.9	1100
Acetophenone		ND		56	1100
Anthracene		670	J	28	1100
Atrazine		ND	*	49	1100
Benzaldehyde		ND		120	1100
Benzo(a)anthracene		2000		19	1100
Benzo(a)pyrene		1800		26	1100
Benzo(b)fluoranthene		2100		21	1100
Benzo(g,h,i)perylene		780	J	13	1100
Benzo(k)fluoranthene		1000	J	12	1100
Biphenyl		ND		68	1100
bis (2-chloroisopropyl) ether		ND		110	1100
Bis(2-chloroethoxy)methane		ND		59	1100
Bis(2-chloroethyl)ether		ND		94	1100
Bis(2-ethylhexyl) phthalate		ND		350	1100
Butyl benzyl phthalate		ND		290	1100
Caprolactam		ND		470	1100
Carbazole		460	J	13	1100
Chrysene		1900		11	1100
Dibenz(a,h)anthracene		ND		13	1100
Dibenzofuran		230	J	11	1100
Diethyl phthalate		ND		33	1100

Client: CHA Inc

Job Number: 480-18068-1

Client Sample ID: **RB-03 (12"-24")**

Lab Sample ID: 480-18068-3
Client Matrix: Solid
% Moisture: 22.9
Date Sampled: 04/02/2012 1235
Date Received: 04/04/2012 0900

8270C Semivolatile Organic Compounds (GC/MS)

Analysis Method:	8270C	Analysis Batch:	480-58507	Instrument ID:	HP5973X
Prep Method:	3550B	Prep Batch:	480-58302	Lab File ID:	X4977.D
Dilution:	5.0			Initial Weight/Volume:	+30.05 g
Analysis Date:	04/07/2012 0101			Final Weight/Volume:	1 mL
Prep Date:	04/05/2012 1044			Injection Volume:	1 uL

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
Dimethyl phthalate		ND		28	1100
Di-n-butyl phthalate		ND		380	1100
Di-n-octyl phthalate		ND		26	1100
Fluoranthene		3500		16	1100
Fluorene		310	J	25	1100
Hexachlorobenzene		ND		54	1100
Hexachlorobutadiene		ND		56	1100
Hexachlorocyclopentadiene		ND		330	1100
Hexachloroethane		ND		85	1100
Indeno(1,2,3-cd)pyrene		800	J	30	1100
Isophorone		ND		55	1100
Naphthalene		290	J	18	1100
Nitrobenzene		ND		48	1100
N-Nitrosodi-n-propylamine		ND		87	1100
N-Nitrosodiphenylamine		ND		60	1100
Pentachlorophenol		ND		370	2100
Phenanthrene		3200		23	1100
Phenol		ND		110	1100
Pyrene		3200		7.1	1100

Surrogate	%Rec	Qualifier	Acceptance Limits
2,4,6-Tribromophenol	92		39 - 146
2-Fluorobiphenyl	75		37 - 120
2-Fluorophenol	61		18 - 120
Nitrobenzene-d5	71		34 - 132
Phenol-d5	68		11 - 120
p-Terphenyl-d14	94		65 - 153

Client: CHA Inc

Job Number: 480-18068-1

Client Sample ID: **RB-03 (12"-24")**

Lab Sample ID: 480-18068-3
Client Matrix: Solid
% Moisture: 22.9
Date Sampled: 04/02/2012 1235
Date Received: 04/04/2012 0900

8270C Semivolatile Organic Compounds (GC/MS)

Analysis Method:	8270C	Analysis Batch:	480-58507	Instrument ID:	HP5973X
Prep Method:	3550B	Prep Batch:	480-58302	Lab File ID:	X4977.D
Dilution:	5.0			Initial Weight/Volume:	+30.05 g
Analysis Date:	04/07/2012 0101			Final Weight/Volume:	1 mL
Prep Date:	04/05/2012 1044			Injection Volume:	1 uL

Tentatively Identified Compounds **Number TIC's Found:** **2**

Cas Number	Analyte	RT	Est. Result (ug/Kg)	Qualifier
	Unknown	2.08	2100	T J
192-97-2	Benzo[e]pyrene	14.53	1100	T J N

Client: CHA Inc

Job Number: 480-18068-1

Client Sample ID: **RB-04 (0-6")**

Lab Sample ID: 480-18068-4
Client Matrix: Solid
% Moisture: 25.4
Date Sampled: 04/02/2012 1405
Date Received: 04/04/2012 0900

8270C Semivolatile Organic Compounds (GC/MS)

Analysis Method:	8270C	Analysis Batch:	480-58507	Instrument ID:	HP5973X
Prep Method:	3550B	Prep Batch:	480-58302	Lab File ID:	X4978.D
Dilution:	1.0			Initial Weight/Volume:	+30.06 g
Analysis Date:	04/07/2012 0125			Final Weight/Volume:	1 mL
Prep Date:	04/05/2012 1044			Injection Volume:	1 uL

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
2,4,5-Trichlorophenol		ND		49	230
2,4,6-Trichlorophenol		ND		15	230
2,4-Dichlorophenol		ND		12	230
2,4-Dimethylphenol		ND		61	230
2,4-Dinitrophenol		ND		79	440
2,4-Dinitrotoluene		ND		35	230
2,6-Dinitrotoluene		ND		55	230
2-Chloronaphthalene		ND		15	230
2-Chlorophenol		ND		11	230
2-Methylnaphthalene		ND		2.7	230
2-Methylphenol		ND		6.9	230
2-Nitroaniline		ND		72	440
2-Nitrophenol		ND		10	230
3,3'-Dichlorobenzidine		ND		200	230
3-Nitroaniline		ND		52	440
4,6-Dinitro-2-methylphenol		ND		78	440
4-Bromophenyl phenyl ether		ND		72	230
4-Chloro-3-methylphenol		ND		9.3	230
4-Chloroaniline		ND		66	230
4-Chlorophenyl phenyl ether		ND		4.8	230
4-Methylphenol		ND		13	440
4-Nitroaniline		ND		25	440
4-Nitrophenol		ND	*	55	440
Acenaphthene		10	J	2.7	230
Acenaphthylene		ND		1.8	230
Acetophenone		ND		12	230
Anthracene		33	J	5.8	230
Atrazine		ND	*	10	230
Benzaldehyde		ND		25	230
Benzo(a)anthracene		120	J	3.9	230
Benzo(a)pyrene		150	J	5.4	230
Benzo(b)fluoranthene		200	J	4.4	230
Benzo(g,h,i)perylene		59	J	2.7	230
Benzo(k)fluoranthene		70	J	2.5	230
Biphenyl		ND		14	230
bis (2-chloroisopropyl) ether		ND		24	230
Bis(2-chloroethoxy)methane		ND		12	230
Bis(2-chloroethyl)ether		ND		20	230
Bis(2-ethylhexyl) phthalate		ND		73	230
Butyl benzyl phthalate		ND		61	230
Caprolactam		ND		98	230
Carbazole		ND		2.6	230
Chrysene		180	J	2.3	230
Dibenz(a,h)anthracene		ND		2.7	230
Dibenzofuran		ND		2.4	230
Diethyl phthalate		ND		6.8	230

Client: CHA Inc

Job Number: 480-18068-1

Client Sample ID: **RB-04 (0-6")**

Lab Sample ID: 480-18068-4
Client Matrix: Solid
% Moisture: 25.4
Date Sampled: 04/02/2012 1405
Date Received: 04/04/2012 0900

8270C Semivolatile Organic Compounds (GC/MS)

Analysis Method:	8270C	Analysis Batch:	480-58507	Instrument ID:	HP5973X
Prep Method:	3550B	Prep Batch:	480-58302	Lab File ID:	X4978.D
Dilution:	1.0			Initial Weight/Volume:	+30.06 g
Analysis Date:	04/07/2012 0125			Final Weight/Volume:	1 mL
Prep Date:	04/05/2012 1044			Injection Volume:	1 uL

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
Dimethyl phthalate		ND		5.9	230
Di-n-butyl phthalate		ND		78	230
Di-n-octyl phthalate		ND		5.3	230
Fluoranthene		240		3.3	230
Fluorene		ND		5.2	230
Hexachlorobenzene		ND		11	230
Hexachlorobutadiene		ND		12	230
Hexachlorocyclopentadiene		ND		68	230
Hexachloroethane		ND		17	230
Indeno(1,2,3-cd)pyrene		65	J	6.2	230
Isophorone		ND		11	230
Naphthalene		ND		3.8	230
Nitrobenzene		ND		10	230
N-Nitrosodi-n-propylamine		ND		18	230
N-Nitrosodiphenylamine		ND		12	230
Pentachlorophenol		ND		77	440
Phenanthrene		170	J	4.7	230
Phenol		ND		24	230
Pyrene		200	J	1.5	230

Surrogate	%Rec	Qualifier	Acceptance Limits
2,4,6-Tribromophenol	107		39 - 146
2-Fluorobiphenyl	80		37 - 120
2-Fluorophenol	63		18 - 120
Nitrobenzene-d5	73		34 - 132
Phenol-d5	70		11 - 120
p-Terphenyl-d14	109		65 - 153

Client: CHA Inc

Job Number: 480-18068-1

Client Sample ID: **RB-04 (0-6")**

Lab Sample ID: 480-18068-4
Client Matrix: Solid
% Moisture: 25.4
Date Sampled: 04/02/2012 1405
Date Received: 04/04/2012 0900

8270C Semivolatile Organic Compounds (GC/MS)

Analysis Method:	8270C	Analysis Batch:	480-58507	Instrument ID:	HP5973X
Prep Method:	3550B	Prep Batch:	480-58302	Lab File ID:	X4978.D
Dilution:	1.0			Initial Weight/Volume:	+30.06 g
Analysis Date:	04/07/2012 0125			Final Weight/Volume:	1 mL
Prep Date:	04/05/2012 1044			Injection Volume:	1 uL

Tentatively Identified Compounds **Number TIC's Found:** **10**

Cas Number	Analyte	RT	Est. Result (ug/Kg)	Qualifier
	Unknown	2.08	1900	T J
	Unknown	9.54	250	T J
	Unknown	11.57	590	T J
	Unknown	11.69	180	T J
	Unknown	12.02	520	T J
	Unknown	12.74	360	T J
	Unknown	16.27	460	T J
	Unknown	16.41	1300	T J
	Unknown	16.54	410	T J
	Unknown	16.62	500	T J

Client: CHA Inc

Job Number: 480-18068-1

Client Sample ID: **RB-04 (6"-12"**

Lab Sample ID: 480-18068-5
Client Matrix: Solid

% Moisture: 25.9

Date Sampled: 04/02/2012 1422
Date Received: 04/04/2012 0900

8270C Semivolatile Organic Compounds (GC/MS)

Analysis Method:	8270C	Analysis Batch:	480-58507	Instrument ID:	HP5973X
Prep Method:	3550B	Prep Batch:	480-58302	Lab File ID:	X4979.D
Dilution:	1.0			Initial Weight/Volume:	+30.02 g
Analysis Date:	04/07/2012 0149			Final Weight/Volume:	1 mL
Prep Date:	04/05/2012 1044			Injection Volume:	1 uL

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
2,4,5-Trichlorophenol		ND		50	230
2,4,6-Trichlorophenol		ND		15	230
2,4-Dichlorophenol		ND		12	230
2,4-Dimethylphenol		ND		61	230
2,4-Dinitrophenol		ND		80	450
2,4-Dinitrotoluene		ND		35	230
2,6-Dinitrotoluene		ND		56	230
2-Chloronaphthalene		ND		15	230
2-Chlorophenol		ND		12	230
2-Methylnaphthalene		ND		2.8	230
2-Methylphenol		ND		7.0	230
2-Nitroaniline		ND		73	450
2-Nitrophenol		ND		10	230
3,3'-Dichlorobenzidine		ND		200	230
3-Nitroaniline		ND		52	450
4,6-Dinitro-2-methylphenol		ND		79	450
4-Bromophenyl phenyl ether		ND		72	230
4-Chloro-3-methylphenol		ND		9.4	230
4-Chloroaniline		ND		67	230
4-Chlorophenyl phenyl ether		ND		4.9	230
4-Methylphenol		ND		13	450
4-Nitroaniline		ND		25	450
4-Nitrophenol		ND	*	55	450
Acenaphthene		ND		2.7	230
Acenaphthylene		ND		1.9	230
Acetophenone		ND		12	230
Anthracene		36	J	5.8	230
Atrazine		ND	*	10	230
Benzaldehyde		ND		25	230
Benzo(a)anthracene		130	J	3.9	230
Benzo(a)pyrene		120	J	5.5	230
Benzo(b)fluoranthene		160	J	4.4	230
Benzo(g,h,i)perylene		ND		2.7	230
Benzo(k)fluoranthene		47	J	2.5	230
Biphenyl		ND		14	230
bis (2-chloroisopropyl) ether		ND		24	230
Bis(2-chloroethoxy)methane		ND		12	230
Bis(2-chloroethyl)ether		ND		20	230
Bis(2-ethylhexyl) phthalate		ND		73	230
Butyl benzyl phthalate		ND		61	230
Caprolactam		ND		98	230
Carbazole		ND		2.6	230
Chrysene		160	J	2.3	230
Dibenz(a,h)anthracene		ND		2.7	230
Dibenzofuran		ND		2.4	230
Diethyl phthalate		ND		6.9	230

Client: CHA Inc

Job Number: 480-18068-1

Client Sample ID: **RB-04 (6"-12"**

Lab Sample ID: 480-18068-5
Client Matrix: Solid

% Moisture: 25.9

Date Sampled: 04/02/2012 1422
Date Received: 04/04/2012 0900

8270C Semivolatile Organic Compounds (GC/MS)

Analysis Method:	8270C	Analysis Batch:	480-58507	Instrument ID:	HP5973X
Prep Method:	3550B	Prep Batch:	480-58302	Lab File ID:	X4979.D
Dilution:	1.0			Initial Weight/Volume:	+30.02 g
Analysis Date:	04/07/2012 0149			Final Weight/Volume:	1 mL
Prep Date:	04/05/2012 1044			Injection Volume:	1 uL

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
Dimethyl phthalate		ND		5.9	230
Di-n-butyl phthalate		ND		79	230
Di-n-octyl phthalate		ND		5.3	230
Fluoranthene		230		3.3	230
Fluorene		ND		5.2	230
Hexachlorobenzene		ND		11	230
Hexachlorobutadiene		ND		12	230
Hexachlorocyclopentadiene		ND		69	230
Hexachloroethane		ND		18	230
Indeno(1,2,3-cd)pyrene		56	J	6.3	230
Isophorone		ND		11	230
Naphthalene		ND		3.8	230
Nitrobenzene		ND		10	230
N-Nitrosodi-n-propylamine		ND		18	230
N-Nitrosodiphenylamine		ND		12	230
Pentachlorophenol		ND		78	450
Phenanthrene		150	J	4.8	230
Phenol		ND		24	230
Pyrene		170	J	1.5	230

Surrogate	%Rec	Qualifier	Acceptance Limits
2,4,6-Tribromophenol	98		39 - 146
2-Fluorobiphenyl	72		37 - 120
2-Fluorophenol	56		18 - 120
Nitrobenzene-d5	67		34 - 132
Phenol-d5	63		11 - 120
p-Terphenyl-d14	106		65 - 153

Client: CHA Inc

Job Number: 480-18068-1

Client Sample ID: **RB-04 (6"-12"**

Lab Sample ID: 480-18068-5
Client Matrix: Solid

% Moisture: 25.9

Date Sampled: 04/02/2012 1422
Date Received: 04/04/2012 0900

8270C Semivolatile Organic Compounds (GC/MS)

Analysis Method:	8270C	Analysis Batch:	480-58507	Instrument ID:	HP5973X
Prep Method:	3550B	Prep Batch:	480-58302	Lab File ID:	X4979.D
Dilution:	1.0			Initial Weight/Volume:	+30.02 g
Analysis Date:	04/07/2012 0149			Final Weight/Volume:	1 mL
Prep Date:	04/05/2012 1044			Injection Volume:	1 uL

Tentatively Identified Compounds **Number TIC's Found:** **6**

Cas Number	Analyte	RT	Est. Result (ug/Kg)	Qualifier
	Unknown	2.15	1700	T J
	Unknown	14.76	1900	T J
	Unknown	15.93	220	T J
	Unknown	16.07	240	T J
	Unknown	16.28	260	T J
	Unknown	16.55	460	T J

Client: CHA Inc

Job Number: 480-18068-1

Client Sample ID: **RB-04 (12"-24")**

Lab Sample ID: 480-18068-6
Client Matrix: Solid
% Moisture: 26.2
Date Sampled: 04/02/2012 1435
Date Received: 04/04/2012 0900

8270C Semivolatile Organic Compounds (GC/MS)

Analysis Method:	8270C	Analysis Batch:	480-58507	Instrument ID:	HP5973X
Prep Method:	3550B	Prep Batch:	480-58302	Lab File ID:	X4980.D
Dilution:	1.0			Initial Weight/Volume:	+30.32 g
Analysis Date:	04/07/2012 0212			Final Weight/Volume:	1 mL
Prep Date:	04/05/2012 1044			Injection Volume:	1 uL

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
2,4,5-Trichlorophenol		ND		49	230
2,4,6-Trichlorophenol		ND		15	230
2,4-Dichlorophenol		ND		12	230
2,4-Dimethylphenol		ND		61	230
2,4-Dinitrophenol		ND		79	440
2,4-Dinitrotoluene		ND		35	230
2,6-Dinitrotoluene		ND		55	230
2-Chloronaphthalene		ND		15	230
2-Chlorophenol		ND		12	230
2-Methylnaphthalene		ND		2.7	230
2-Methylphenol		ND		7.0	230
2-Nitroaniline		ND		73	440
2-Nitrophenol		ND		10	230
3,3'-Dichlorobenzidine		ND		200	230
3-Nitroaniline		ND		52	440
4,6-Dinitro-2-methylphenol		ND		78	440
4-Bromophenyl phenyl ether		ND		72	230
4-Chloro-3-methylphenol		ND		9.3	230
4-Chloroaniline		ND		66	230
4-Chlorophenyl phenyl ether		ND		4.8	230
4-Methylphenol		ND		13	440
4-Nitroaniline		ND		25	440
4-Nitrophenol		ND	*	55	440
Acenaphthene		80	J	2.7	230
Acenaphthylene		17	J	1.9	230
Acetophenone		ND		12	230
Anthracene		160	J	5.8	230
Atrazine		ND	*	10	230
Benzaldehyde		ND		25	230
Benzo(a)anthracene		490		3.9	230
Benzo(a)pyrene		450		5.5	230
Benzo(b)fluoranthene		470		4.4	230
Benzo(g,h,i)perylene		140	J	2.7	230
Benzo(k)fluoranthene		230		2.5	230
Biphenyl		ND		14	230
bis (2-chloroisopropyl) ether		ND		24	230
Bis(2-chloroethoxy)methane		ND		12	230
Bis(2-chloroethyl)ether		ND		20	230
Bis(2-ethylhexyl) phthalate		ND		73	230
Butyl benzyl phthalate		ND		61	230
Caprolactam		ND		98	230
Carbazole		67	J	2.6	230
Chrysene		450		2.3	230
Dibenz(a,h)anthracene		ND		2.7	230
Dibenzofuran		49	J	2.4	230
Diethyl phthalate		ND		6.8	230

Client: CHA Inc

Job Number: 480-18068-1

Client Sample ID: **RB-04 (12"-24")**

Lab Sample ID: 480-18068-6
Client Matrix: Solid
% Moisture: 26.2
Date Sampled: 04/02/2012 1435
Date Received: 04/04/2012 0900

8270C Semivolatile Organic Compounds (GC/MS)

Analysis Method:	8270C	Analysis Batch:	480-58507	Instrument ID:	HP5973X
Prep Method:	3550B	Prep Batch:	480-58302	Lab File ID:	X4980.D
Dilution:	1.0			Initial Weight/Volume:	+30.32 g
Analysis Date:	04/07/2012 0212			Final Weight/Volume:	1 mL
Prep Date:	04/05/2012 1044			Injection Volume:	1 uL

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
Dimethyl phthalate		ND		5.9	230
Di-n-butyl phthalate		ND		78	230
Di-n-octyl phthalate		ND		5.3	230
Fluoranthene		880		3.3	230
Fluorene		84	J	5.2	230
Hexachlorobenzene		ND		11	230
Hexachlorobutadiene		ND		12	230
Hexachlorocyclopentadiene		ND		68	230
Hexachloroethane		ND		18	230
Indeno(1,2,3-cd)pyrene		160	J	6.3	230
Isophorone		ND		11	230
Naphthalene		45	J	3.8	230
Nitrobenzene		ND		10	230
N-Nitrosodi-n-propylamine		ND		18	230
N-Nitrosodiphenylamine		ND		12	230
Pentachlorophenol		ND		78	440
Phenanthrene		700		4.7	230
Phenol		ND		24	230
Pyrene		880		1.5	230

Surrogate	%Rec	Qualifier	Acceptance Limits
2,4,6-Tribromophenol	100		39 - 146
2-Fluorobiphenyl	70		37 - 120
2-Fluorophenol	55		18 - 120
Nitrobenzene-d5	74		34 - 132
Phenol-d5	66		11 - 120
p-Terphenyl-d14	111		65 - 153

Client: CHA Inc

Job Number: 480-18068-1

Client Sample ID: **RB-04 (12"-24")**

Lab Sample ID: 480-18068-6
Client Matrix: Solid
% Moisture: 26.2

Date Sampled: 04/02/2012 1435
Date Received: 04/04/2012 0900

8270C Semivolatile Organic Compounds (GC/MS)

Analysis Method:	8270C	Analysis Batch:	480-58507	Instrument ID:	HP5973X
Prep Method:	3550B	Prep Batch:	480-58302	Lab File ID:	X4980.D
Dilution:	1.0			Initial Weight/Volume:	+30.32 g
Analysis Date:	04/07/2012 0212			Final Weight/Volume:	1 mL
Prep Date:	04/05/2012 1044			Injection Volume:	1 uL

Tentatively Identified Compounds **Number TIC's Found:** **6**

Cas Number	Analyte	RT	Est. Result (ug/Kg)	Qualifier
	Unknown	2.12	1800	T J
	Unknown	4.83	380	T J
	Unknown	9.54	400	T J
	Unknown	14.55	280	T J
	Unknown	16.07	310	T J
	Unknown	16.56	470	T J

Client: CHA Inc

Job Number: 480-18068-1

Client Sample ID: **RB-05 (0-6")**

Lab Sample ID: 480-18068-7
Client Matrix: Solid
% Moisture: 21.7

Date Sampled: 04/02/2012 1455
Date Received: 04/04/2012 0900

8270C Semivolatile Organic Compounds (GC/MS)

Analysis Method:	8270C	Analysis Batch:	480-58507	Instrument ID:	HP5973X
Prep Method:	3550B	Prep Batch:	480-58302	Lab File ID:	X4981.D
Dilution:	10			Initial Weight/Volume:	+30.25 g
Analysis Date:	04/07/2012 0236			Final Weight/Volume:	1 mL
Prep Date:	04/05/2012 1044			Injection Volume:	1 uL

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
2,4,5-Trichlorophenol		ND		470	2200
2,4,6-Trichlorophenol		ND		140	2200
2,4-Dichlorophenol		ND		110	2200
2,4-Dimethylphenol		ND		580	2200
2,4-Dinitrophenol		ND		750	4200
2,4-Dinitrotoluene		ND		330	2200
2,6-Dinitrotoluene		ND		520	2200
2-Chloronaphthalene		ND		140	2200
2-Chlorophenol		ND		110	2200
2-Methylnaphthalene		1900	J	26	2200
2-Methylphenol		ND		66	2200
2-Nitroaniline		ND		690	4200
2-Nitrophenol		ND		98	2200
3,3'-Dichlorobenzidine		ND		1900	2200
3-Nitroaniline		ND		490	4200
4,6-Dinitro-2-methylphenol		ND		740	4200
4-Bromophenyl phenyl ether		ND		680	2200
4-Chloro-3-methylphenol		ND		88	2200
4-Chloroaniline		ND		630	2200
4-Chlorophenyl phenyl ether		ND		46	2200
4-Methylphenol		ND		120	4200
4-Nitroaniline		ND		240	4200
4-Nitrophenol		ND	*	520	4200
Acenaphthene		3300		25	2200
Acenaphthylene		920	J	17	2200
Acetophenone		ND		110	2200
Anthracene		4400		55	2200
Atrazine		ND	*	95	2200
Benzaldehyde		ND		230	2200
Benzo(a)anthracene		11000		37	2200
Benzo(a)pyrene		11000		52	2200
Benzo(b)fluoranthene		17000		42	2200
Benzo(g,h,i)perylene		4000		26	2200
Benzo(k)fluoranthene		ND		24	2200
Biphenyl		650	J	130	2200
bis (2-chloroisopropyl) ether		ND		220	2200
Bis(2-chloroethoxy)methane		ND		120	2200
Bis(2-chloroethyl)ether		ND		180	2200
Bis(2-ethylhexyl) phthalate		ND		690	2200
Butyl benzyl phthalate		ND		570	2200
Caprolactam		ND		930	2200
Carbazole		2700		25	2200
Chrysene		11000		21	2200
Dibenz(a,h)anthracene		850	J	25	2200
Dibenzofuran		2800		22	2200
Diethyl phthalate		ND		65	2200

Client: CHA Inc

Job Number: 480-18068-1

Client Sample ID: **RB-05 (0-6")**

Lab Sample ID: 480-18068-7
Client Matrix: Solid
% Moisture: 21.7

Date Sampled: 04/02/2012 1455
Date Received: 04/04/2012 0900

8270C Semivolatile Organic Compounds (GC/MS)

Analysis Method:	8270C	Analysis Batch:	480-58507	Instrument ID:	HP5973X
Prep Method:	3550B	Prep Batch:	480-58302	Lab File ID:	X4981.D
Dilution:	10			Initial Weight/Volume:	+30.25 g
Analysis Date:	04/07/2012 0236			Final Weight/Volume:	1 mL
Prep Date:	04/05/2012 1044			Injection Volume:	1 uL

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
Dimethyl phthalate		ND		56	2200
Di-n-butyl phthalate		ND		740	2200
Di-n-octyl phthalate		ND		50	2200
Fluoranthene		22000		31	2200
Fluorene		3800		49	2200
Hexachlorobenzene		ND		110	2200
Hexachlorobutadiene		ND		110	2200
Hexachlorocyclopentadiene		ND		650	2200
Hexachloroethane		ND		170	2200
Indeno(1,2,3-cd)pyrene		4000		59	2200
Isophorone		ND		110	2200
Naphthalene		5600		36	2200
Nitrobenzene		ND		95	2200
N-Nitrosodi-n-propylamine		ND		170	2200
N-Nitrosodiphenylamine		ND		120	2200
Pentachlorophenol		ND		730	4200
Phenanthrene		23000		45	2200
Phenol		ND		230	2200
Pyrene		22000		14	2200

Surrogate	%Rec	Qualifier	Acceptance Limits
2,4,6-Tribromophenol	84		39 - 146
2-Fluorobiphenyl	82		37 - 120
2-Fluorophenol	59		18 - 120
Nitrobenzene-d5	80		34 - 132
Phenol-d5	68		11 - 120
p-Terphenyl-d14	78		65 - 153

Client: CHA Inc

Job Number: 480-18068-1

Client Sample ID: **RB-05 (0-6")**

Lab Sample ID: 480-18068-7
Client Matrix: Solid
% Moisture: 21.7

Date Sampled: 04/02/2012 1455
Date Received: 04/04/2012 0900

8270C Semivolatile Organic Compounds (GC/MS)

Analysis Method:	8270C	Analysis Batch:	480-58507	Instrument ID:	HP5973X
Prep Method:	3550B	Prep Batch:	480-58302	Lab File ID:	X4981.D
Dilution:	10			Initial Weight/Volume:	+30.25 g
Analysis Date:	04/07/2012 0236			Final Weight/Volume:	1 mL
Prep Date:	04/05/2012 1044			Injection Volume:	1 uL

Tentatively Identified Compounds **Number TIC's Found:** **4**

Cas Number	Analyte	RT	Est. Result (ug/Kg)	Qualifier
	Unknown	11.65	2800	T J
84-65-1	Anthraquinone	11.86	2500	J
	Unknown	12.71	1800	T J
192-97-2	Benzo[e]pyrene	14.57	5200	T J N

Client: CHA Inc

Job Number: 480-18068-1

Client Sample ID: **RB-05 (6"-12"**

Lab Sample ID: 480-18068-8
Client Matrix: Solid

% Moisture: 12.7

Date Sampled: 04/02/2012 1510
Date Received: 04/04/2012 0900

8270C Semivolatile Organic Compounds (GC/MS)

Analysis Method:	8270C	Analysis Batch:	480-58786	Instrument ID:	HP5973X
Prep Method:	3550B	Prep Batch:	480-58302	Lab File ID:	X5094.D
Dilution:	5.0			Initial Weight/Volume:	+30.68 g
Analysis Date:	04/09/2012 1904			Final Weight/Volume:	1 mL
Prep Date:	04/05/2012 1044			Injection Volume:	1 uL

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
2,4,5-Trichlorophenol		ND		210	950
2,4,6-Trichlorophenol		ND		62	950
2,4-Dichlorophenol		ND		50	950
2,4-Dimethylphenol		ND		260	950
2,4-Dinitrophenol		ND		330	1800
2,4-Dinitrotoluene		ND		150	950
2,6-Dinitrotoluene		ND		230	950
2-Chloronaphthalene		ND		63	950
2-Chlorophenol		ND		48	950
2-Methylnaphthalene		120	J	11	950
2-Methylphenol		ND		29	950
2-Nitroaniline		ND		300	1800
2-Nitrophenol		ND		43	950
3,3'-Dichlorobenzidine		ND		830	950
3-Nitroaniline		ND		220	1800
4,6-Dinitro-2-methylphenol		ND		330	1800
4-Bromophenyl phenyl ether		ND		300	950
4-Chloro-3-methylphenol		ND		39	950
4-Chloroaniline		ND		280	950
4-Chlorophenyl phenyl ether		ND		20	950
4-Methylphenol		ND		53	1800
4-Nitroaniline		ND		110	1800
4-Nitrophenol		ND	*	230	1800
Acenaphthene		120	J	11	950
Acenaphthylene		310	J	7.7	950
Acetophenone		ND		49	950
Anthracene		460	J	24	950
Atrazine		ND	*	42	950
Benzaldehyde		ND		100	950
Benzo(a)anthracene		2400		16	950
Benzo(a)pyrene		2800		23	950
Benzo(b)fluoranthene		3400		18	950
Benzo(g,h,i)perylene		2000		11	950
Benzo(k)fluoranthene		1400		10	950
Biphenyl		ND		59	950
bis (2-chloroisopropyl) ether		ND		99	950
Bis(2-chloroethoxy)methane		ND		51	950
Bis(2-chloroethyl)ether		ND		82	950
Bis(2-ethylhexyl) phthalate		ND		300	950
Butyl benzyl phthalate		ND		250	950
Caprolactam		ND		410	950
Carbazole		260	J	11	950
Chrysene		2600		9.5	950
Dibenz(a,h)anthracene		540	J	11	950
Dibenzofuran		130	J	9.8	950
Diethyl phthalate		ND		29	950

Client: CHA Inc

Job Number: 480-18068-1

Client Sample ID: **RB-05 (6"-12"**

Lab Sample ID: 480-18068-8
Client Matrix: Solid

% Moisture: 12.7

Date Sampled: 04/02/2012 1510
Date Received: 04/04/2012 0900

8270C Semivolatile Organic Compounds (GC/MS)

Analysis Method:	8270C	Analysis Batch:	480-58786	Instrument ID:	HP5973X
Prep Method:	3550B	Prep Batch:	480-58302	Lab File ID:	X5094.D
Dilution:	5.0			Initial Weight/Volume:	+30.68 g
Analysis Date:	04/09/2012 1904			Final Weight/Volume:	1 mL
Prep Date:	04/05/2012 1044			Injection Volume:	1 uL

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
Dimethyl phthalate		ND		25	950
Di-n-butyl phthalate		ND		330	950
Di-n-octyl phthalate		ND		22	950
Fluoranthene		4400		14	950
Fluorene		120	J	22	950
Hexachlorobenzene		ND		47	950
Hexachlorobutadiene		ND		48	950
Hexachlorocyclopentadiene		ND		290	950
Hexachloroethane		ND		73	950
Indeno(1,2,3-cd)pyrene		1800		26	950
Isophorone		ND		47	950
Naphthalene		160	J	16	950
Nitrobenzene		ND		42	950
N-Nitrosodi-n-propylamine		ND		75	950
N-Nitrosodiphenylamine		ND		52	950
Pentachlorophenol		ND		320	1800
Phenanthrene		2100		20	950
Phenol		ND		100	950
Pyrene		3900		6.1	950

Surrogate	%Rec	Qualifier	Acceptance Limits
2,4,6-Tribromophenol	92		39 - 146
2-Fluorobiphenyl	82		37 - 120
2-Fluorophenol	65		18 - 120
Nitrobenzene-d5	74		34 - 132
Phenol-d5	73		11 - 120
p-Terphenyl-d14	101		65 - 153

Client: CHA Inc

Job Number: 480-18068-1

Client Sample ID: **RB-05 (6"-12"**

Lab Sample ID: 480-18068-8
Client Matrix: Solid

% Moisture: 12.7

Date Sampled: 04/02/2012 1510
Date Received: 04/04/2012 0900

8270C Semivolatile Organic Compounds (GC/MS)

Analysis Method:	8270C	Analysis Batch:	480-58786	Instrument ID:	HP5973X
Prep Method:	3550B	Prep Batch:	480-58302	Lab File ID:	X5094.D
Dilution:	5.0			Initial Weight/Volume:	+30.68 g
Analysis Date:	04/09/2012 1904			Final Weight/Volume:	1 mL
Prep Date:	04/05/2012 1044			Injection Volume:	1 uL

Tentatively Identified Compounds **Number TIC's Found:** **4**

Cas Number	Analyte	RT	Est. Result (ug/Kg)	Qualifier
	Unknown	2.32	2200	T J
	Unknown	13.93	2600	T J
192-97-2	Benzo[e]pyrene	14.76	1900	T J N
	Unknown	15.65	16000	T J

Client: CHA Inc

Job Number: 480-18068-1

Client Sample ID: **RB-05 (12"-24")**

Lab Sample ID: 480-18068-9
Client Matrix: Solid
% Moisture: 15.6
Date Sampled: 04/02/2012 1525
Date Received: 04/04/2012 0900

8270C Semivolatile Organic Compounds (GC/MS)

Analysis Method:	8270C	Analysis Batch:	480-58786	Instrument ID:	HP5973X
Prep Method:	3550B	Prep Batch:	480-58302	Lab File ID:	X5095.D
Dilution:	10			Initial Weight/Volume:	+30.63 g
Analysis Date:	04/09/2012 1928			Final Weight/Volume:	1 mL
Prep Date:	04/05/2012 1044			Injection Volume:	1 uL

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
2,4,5-Trichlorophenol		ND		430	2000
2,4,6-Trichlorophenol		ND		130	2000
2,4-Dichlorophenol		ND		100	2000
2,4-Dimethylphenol		ND		530	2000
2,4-Dinitrophenol		ND		690	3800
2,4-Dinitrotoluene		ND		300	2000
2,6-Dinitrotoluene		ND		480	2000
2-Chloronaphthalene		ND		130	2000
2-Chlorophenol		ND		100	2000
2-Methylnaphthalene		570	J	24	2000
2-Methylphenol		ND		60	2000
2-Nitroaniline		ND		630	3800
2-Nitrophenol		ND		90	2000
3,3'-Dichlorobenzidine		ND		1700	2000
3-Nitroaniline		ND		450	3800
4,6-Dinitro-2-methylphenol		ND		680	3800
4-Bromophenyl phenyl ether		ND		620	2000
4-Chloro-3-methylphenol		ND		81	2000
4-Chloroaniline		ND		570	2000
4-Chlorophenyl phenyl ether		ND		42	2000
4-Methylphenol		ND		110	3800
4-Nitroaniline		ND		220	3800
4-Nitrophenol		ND	*	470	3800
Acenaphthene		1000	J	23	2000
Acenaphthylene		450	J	16	2000
Acetophenone		ND		100	2000
Anthracene		1600	J	50	2000
Atrazine		ND	*	87	2000
Benzaldehyde		ND		210	2000
Benzo(a)anthracene		5100		34	2000
Benzo(a)pyrene		6200		47	2000
Benzo(b)fluoranthene		7700		38	2000
Benzo(g,h,i)perylene		4300		24	2000
Benzo(k)fluoranthene		2900		22	2000
Biphenyl		140	J	120	2000
bis (2-chloroisopropyl) ether		ND		200	2000
Bis(2-chloroethoxy)methane		ND		110	2000
Bis(2-chloroethyl)ether		ND		170	2000
Bis(2-ethylhexyl) phthalate		ND		630	2000
Butyl benzyl phthalate		ND		530	2000
Caprolactam		ND		850	2000
Carbazole		1300	J	23	2000
Chrysene		5600		20	2000
Dibenz(a,h)anthracene		1300	J	23	2000
Dibenzofuran		920	J	20	2000
Diethyl phthalate		ND		59	2000

Client: CHA Inc

Job Number: 480-18068-1

Client Sample ID: **RB-05 (12"-24")**

Lab Sample ID: 480-18068-9
Client Matrix: Solid
% Moisture: 15.6
Date Sampled: 04/02/2012 1525
Date Received: 04/04/2012 0900

8270C Semivolatile Organic Compounds (GC/MS)

Analysis Method:	8270C	Analysis Batch:	480-58786	Instrument ID:	HP5973X
Prep Method:	3550B	Prep Batch:	480-58302	Lab File ID:	X5095.D
Dilution:	10			Initial Weight/Volume:	+30.63 g
Analysis Date:	04/09/2012 1928			Final Weight/Volume:	1 mL
Prep Date:	04/05/2012 1044			Injection Volume:	1 uL

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
Dimethyl phthalate		ND		51	2000
Di-n-butyl phthalate		ND		680	2000
Di-n-octyl phthalate		ND		46	2000
Fluoranthene		12000		28	2000
Fluorene		990	J	45	2000
Hexachlorobenzene		ND		97	2000
Hexachlorobutadiene		ND		100	2000
Hexachlorocyclopentadiene		ND		590	2000
Hexachloroethane		ND		150	2000
Indeno(1,2,3-cd)pyrene		4000		54	2000
Isophorone		ND		98	2000
Naphthalene		1700	J	33	2000
Nitrobenzene		ND		87	2000
N-Nitrosodi-n-propylamine		ND		160	2000
N-Nitrosodiphenylamine		ND		110	2000
Pentachlorophenol		ND		670	3800
Phenanthrene		9400		41	2000
Phenol		ND		210	2000
Pyrene		9700		13	2000

Surrogate	%Rec	Qualifier	Acceptance Limits
2,4,6-Tribromophenol	94		39 - 146
2-Fluorobiphenyl	97		37 - 120
2-Fluorophenol	75		18 - 120
Nitrobenzene-d5	82		34 - 132
Phenol-d5	85		11 - 120
p-Terphenyl-d14	113		65 - 153

Client: CHA Inc

Job Number: 480-18068-1

Client Sample ID: **RB-05 (12"-24")**

Lab Sample ID: 480-18068-9
Client Matrix: Solid
% Moisture: 15.6

Date Sampled: 04/02/2012 1525
Date Received: 04/04/2012 0900

8270C Semivolatile Organic Compounds (GC/MS)

Analysis Method:	8270C	Analysis Batch:	480-58786	Instrument ID:	HP5973X
Prep Method:	3550B	Prep Batch:	480-58302	Lab File ID:	X5095.D
Dilution:	10			Initial Weight/Volume:	+30.63 g
Analysis Date:	04/09/2012 1928			Final Weight/Volume:	1 mL
Prep Date:	04/05/2012 1044			Injection Volume:	1 uL

Tentatively Identified Compounds **Number TIC's Found:** **2**

Cas Number	Analyte	RT	Est. Result (ug/Kg)	Qualifier
	Unknown	2.32	2800	T J
205-82-3	Benzo[j]fluoranthene	14.76	3700	T J N

Client: CHA Inc

Job Number: 480-18068-1

Client Sample ID: **RB-06 (0-6")**

Lab Sample ID: 480-18068-10
Client Matrix: Solid
% Moisture: 10.1
Date Sampled: 04/02/2012 1610
Date Received: 04/04/2012 0900

8270C Semivolatile Organic Compounds (GC/MS)

Analysis Method:	8270C	Analysis Batch:	480-58786	Instrument ID:	HP5973X
Prep Method:	3550B	Prep Batch:	480-58302	Lab File ID:	X5096.D
Dilution:	5.0			Initial Weight/Volume:	+30.78 g
Analysis Date:	04/09/2012 1951			Final Weight/Volume:	1 mL
Prep Date:	04/05/2012 1044			Injection Volume:	1 uL

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
2,4,5-Trichlorophenol		ND		200	920
2,4,6-Trichlorophenol		ND		60	920
2,4-Dichlorophenol		ND		48	920
2,4-Dimethylphenol		ND		250	920
2,4-Dinitrophenol		ND		320	1800
2,4-Dinitrotoluene		ND		140	920
2,6-Dinitrotoluene		ND		220	920
2-Chloronaphthalene		ND		61	920
2-Chlorophenol		ND		47	920
2-Methylnaphthalene		130	J	11	920
2-Methylphenol		ND		28	920
2-Nitroaniline		ND		290	1800
2-Nitrophenol		ND		42	920
3,3'-Dichlorobenzidine		ND		800	920
3-Nitroaniline		ND		210	1800
4,6-Dinitro-2-methylphenol		ND		320	1800
4-Bromophenyl phenyl ether		ND		290	920
4-Chloro-3-methylphenol		ND		38	920
4-Chloroaniline		ND		270	920
4-Chlorophenyl phenyl ether		ND		20	920
4-Methylphenol		ND		51	1800
4-Nitroaniline		ND		100	1800
4-Nitrophenol		ND	*	220	1800
Acenaphthene		95	J	11	920
Acenaphthylene		150	J	7.5	920
Acetophenone		ND		47	920
Anthracene		290	J	23	920
Atrazine		ND	*	41	920
Benzaldehyde		ND		100	920
Benzo(a)anthracene		1900		16	920
Benzo(a)pyrene		2900		22	920
Benzo(b)fluoranthene		4100		18	920
Benzo(g,h,i)perylene		3100		11	920
Benzo(k)fluoranthene		1800		10	920
Biphenyl		ND		57	920
bis (2-chloroisopropyl) ether		ND		96	920
Bis(2-chloroethoxy)methane		ND		50	920
Bis(2-chloroethyl)ether		ND		79	920
Bis(2-ethylhexyl) phthalate		ND		290	920
Butyl benzyl phthalate		ND		250	920
Caprolactam		ND		400	920
Carbazole		160	J	11	920
Chrysene		2600		9.2	920
Dibenz(a,h)anthracene		870	J	11	920
Dibenzofuran		80	J	9.5	920
Diethyl phthalate		ND		28	920

Client: CHA Inc

Job Number: 480-18068-1

Client Sample ID: **RB-06 (0-6")**

Lab Sample ID: 480-18068-10
Client Matrix: Solid
% Moisture: 10.1
Date Sampled: 04/02/2012 1610
Date Received: 04/04/2012 0900

8270C Semivolatile Organic Compounds (GC/MS)

Analysis Method:	8270C	Analysis Batch:	480-58786	Instrument ID:	HP5973X
Prep Method:	3550B	Prep Batch:	480-58302	Lab File ID:	X5096.D
Dilution:	5.0			Initial Weight/Volume:	+30.78 g
Analysis Date:	04/09/2012 1951			Final Weight/Volume:	1 mL
Prep Date:	04/05/2012 1044			Injection Volume:	1 uL

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
Dimethyl phthalate		ND		24	920
Di-n-butyl phthalate		ND		320	920
Di-n-octyl phthalate		ND		21	920
Fluoranthene		2700		13	920
Fluorene		86	J	21	920
Hexachlorobenzene		ND		45	920
Hexachlorobutadiene		ND		47	920
Hexachlorocyclopentadiene		ND		280	920
Hexachloroethane		ND		71	920
Indeno(1,2,3-cd)pyrene		2600		25	920
Isophorone		ND		46	920
Naphthalene		110	J	15	920
Nitrobenzene		ND		41	920
N-Nitrosodi-n-propylamine		ND		73	920
N-Nitrosodiphenylamine		ND		50	920
Pentachlorophenol		ND		310	1800
Phenanthrene		1200		19	920
Phenol		ND		96	920
Pyrene		2500		5.9	920

Surrogate	%Rec	Qualifier	Acceptance Limits
2,4,6-Tribromophenol	87		39 - 146
2-Fluorobiphenyl	88		37 - 120
2-Fluorophenol	70		18 - 120
Nitrobenzene-d5	77		34 - 132
Phenol-d5	80		11 - 120
p-Terphenyl-d14	95		65 - 153

Client: CHA Inc

Job Number: 480-18068-1

Client Sample ID: **RB-06 (0-6")**

Lab Sample ID: 480-18068-10
Client Matrix: Solid
% Moisture: 10.1

Date Sampled: 04/02/2012 1610
Date Received: 04/04/2012 0900

8270C Semivolatile Organic Compounds (GC/MS)

Analysis Method:	8270C	Analysis Batch:	480-58786	Instrument ID:	HP5973X
Prep Method:	3550B	Prep Batch:	480-58302	Lab File ID:	X5096.D
Dilution:	5.0			Initial Weight/Volume:	+30.78 g
Analysis Date:	04/09/2012 1951			Final Weight/Volume:	1 mL
Prep Date:	04/05/2012 1044			Injection Volume:	1 uL

Tentatively Identified Compounds **Number TIC's Found:** **3**

Cas Number	Analyte	RT	Est. Result (ug/Kg)	Qualifier
	Unknown	2.31	2900	T J
	Unknown	13.22	740	T J
207-8-9	Benzo[k]fluoranthene	14.76	2300	T J N

Client: CHA Inc

Job Number: 480-18068-1

Client Sample ID: **RB-06 (6"-12"**

Lab Sample ID: 480-18068-11
Client Matrix: Solid
% Moisture: 11.5

Date Sampled: 04/02/2012 1625
Date Received: 04/04/2012 0900

8270C Semivolatile Organic Compounds (GC/MS)

Analysis Method:	8270C	Analysis Batch:	480-58786	Instrument ID:	HP5973X
Prep Method:	3550B	Prep Batch:	480-58302	Lab File ID:	X5097.D
Dilution:	5.0			Initial Weight/Volume:	+30.11 g
Analysis Date:	04/09/2012 2015			Final Weight/Volume:	1 mL
Prep Date:	04/05/2012 1044			Injection Volume:	1 uL

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
2,4,5-Trichlorophenol		ND		210	960
2,4,6-Trichlorophenol		ND		63	960
2,4-Dichlorophenol		ND		50	960
2,4-Dimethylphenol		ND		260	960
2,4-Dinitrophenol		ND		330	1900
2,4-Dinitrotoluene		ND		150	960
2,6-Dinitrotoluene		ND		230	960
2-Chloronaphthalene		ND		64	960
2-Chlorophenol		ND		48	960
2-Methylnaphthalene		110	J	12	960
2-Methylphenol		ND		29	960
2-Nitroaniline		ND		300	1900
2-Nitrophenol		ND		43	960
3,3'-Dichlorobenzidine		ND		830	960
3-Nitroaniline		ND		220	1900
4,6-Dinitro-2-methylphenol		ND		330	1900
4-Bromophenyl phenyl ether		ND		300	960
4-Chloro-3-methylphenol		ND		39	960
4-Chloroaniline		ND		280	960
4-Chlorophenyl phenyl ether		ND		20	960
4-Methylphenol		ND		53	1900
4-Nitroaniline		ND		110	1900
4-Nitrophenol		ND	*	230	1900
Acenaphthene		79	J	11	960
Acenaphthylene		150	J	7.8	960
Acetophenone		ND		49	960
Anthracene		290	J	24	960
Atrazine		ND	*	42	960
Benzaldehyde		ND		100	960
Benzo(a)anthracene		1800		16	960
Benzo(a)pyrene		2400		23	960
Benzo(b)fluoranthene		3600		18	960
Benzo(g,h,i)perylene		2000		11	960
Benzo(k)fluoranthene		1100		10	960
Biphenyl		ND		59	960
bis (2-chloroisopropyl) ether		ND		99	960
Bis(2-chloroethoxy)methane		ND		52	960
Bis(2-chloroethyl)ether		ND		82	960
Bis(2-ethylhexyl) phthalate		ND		310	960
Butyl benzyl phthalate		ND		260	960
Caprolactam		ND		410	960
Carbazole		140	J	11	960
Chrysene		2100		9.5	960
Dibenz(a,h)anthracene		680	J	11	960
Dibenzofuran		74	J	9.9	960
Diethyl phthalate		ND		29	960

Client: CHA Inc

Job Number: 480-18068-1

Client Sample ID: **RB-06 (6"-12"**

Lab Sample ID: 480-18068-11
Client Matrix: Solid
% Moisture: 11.5
Date Sampled: 04/02/2012 1625
Date Received: 04/04/2012 0900

8270C Semivolatile Organic Compounds (GC/MS)

Analysis Method:	8270C	Analysis Batch:	480-58786	Instrument ID:	HP5973X
Prep Method:	3550B	Prep Batch:	480-58302	Lab File ID:	X5097.D
Dilution:	5.0			Initial Weight/Volume:	+30.11 g
Analysis Date:	04/09/2012 2015			Final Weight/Volume:	1 mL
Prep Date:	04/05/2012 1044			Injection Volume:	1 uL

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
Dimethyl phthalate		ND		25	960
Di-n-butyl phthalate		ND		330	960
Di-n-octyl phthalate		ND		22	960
Fluoranthene		2400		14	960
Fluorene		73	J	22	960
Hexachlorobenzene		ND		47	960
Hexachlorobutadiene		ND		49	960
Hexachlorocyclopentadiene		ND		290	960
Hexachloroethane		ND		74	960
Indeno(1,2,3-cd)pyrene		1800		26	960
Isophorone		ND		48	960
Naphthalene		77	J	16	960
Nitrobenzene		ND		42	960
N-Nitrosodi-n-propylamine		ND		75	960
N-Nitrosodiphenylamine		ND		52	960
Pentachlorophenol		ND		330	1900
Phenanthrene		1300		20	960
Phenol		ND		100	960
Pyrene		2300		6.2	960

Surrogate	%Rec	Qualifier	Acceptance Limits
2,4,6-Tribromophenol	90		39 - 146
2-Fluorobiphenyl	92		37 - 120
2-Fluorophenol	73		18 - 120
Nitrobenzene-d5	84		34 - 132
Phenol-d5	85		11 - 120
p-Terphenyl-d14	103		65 - 153

Client: CHA Inc

Job Number: 480-18068-1

Client Sample ID: **RB-06 (6"-12"**

Lab Sample ID: 480-18068-11
Client Matrix: Solid
% Moisture: 11.5

Date Sampled: 04/02/2012 1625
Date Received: 04/04/2012 0900

8270C Semivolatile Organic Compounds (GC/MS)

Analysis Method:	8270C	Analysis Batch:	480-58786	Instrument ID:	HP5973X
Prep Method:	3550B	Prep Batch:	480-58302	Lab File ID:	X5097.D
Dilution:	5.0			Initial Weight/Volume:	+30.11 g
Analysis Date:	04/09/2012 2015			Final Weight/Volume:	1 mL
Prep Date:	04/05/2012 1044			Injection Volume:	1 uL

Tentatively Identified Compounds **Number TIC's Found:** **2**

Cas Number	Analyte	RT	Est. Result (ug/Kg)	Qualifier
	Unknown	2.32	3200	T J
192-97-2	Benzo[e]pyrene	14.76	1800	T J N

Client: CHA Inc

Job Number: 480-18068-1

Client Sample ID: **RB-06 (12"-24")**

Lab Sample ID: 480-18068-12
Client Matrix: Solid
% Moisture: 11.1
Date Sampled: 04/02/2012 1635
Date Received: 04/04/2012 0900

8270C Semivolatile Organic Compounds (GC/MS)

Analysis Method:	8270C	Analysis Batch:	480-58786	Instrument ID:	HP5973X
Prep Method:	3550B	Prep Batch:	480-58302	Lab File ID:	X5098.D
Dilution:	10			Initial Weight/Volume:	+30.53 g
Analysis Date:	04/09/2012 2038			Final Weight/Volume:	1 mL
Prep Date:	04/05/2012 1044			Injection Volume:	1 uL

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
2,4,5-Trichlorophenol		ND		410	1900
2,4,6-Trichlorophenol		ND		120	1900
2,4-Dichlorophenol		ND		98	1900
2,4-Dimethylphenol		ND		500	1900
2,4-Dinitrophenol		ND		650	3600
2,4-Dinitrotoluene		ND		290	1900
2,6-Dinitrotoluene		ND		460	1900
2-Chloronaphthalene		ND		130	1900
2-Chlorophenol		ND		95	1900
2-Methylnaphthalene		130	J	23	1900
2-Methylphenol		ND		57	1900
2-Nitroaniline		ND		600	3600
2-Nitrophenol		ND		85	1900
3,3'-Dichlorobenzidine		ND		1600	1900
3-Nitroaniline		ND		430	3600
4,6-Dinitro-2-methylphenol		ND		640	3600
4-Bromophenyl phenyl ether		ND		590	1900
4-Chloro-3-methylphenol		ND		77	1900
4-Chloroaniline		ND		550	1900
4-Chlorophenyl phenyl ether		ND		40	1900
4-Methylphenol		ND		100	3600
4-Nitroaniline		ND		210	3600
4-Nitrophenol		ND	*	450	3600
Acenaphthene		110	J	22	1900
Acenaphthylene		ND		15	1900
Acetophenone		ND		96	1900
Anthracene		340	J	48	1900
Atrazine		ND	*	83	1900
Benzaldehyde		ND		200	1900
Benzo(a)anthracene		1800	J	32	1900
Benzo(a)pyrene		2500		45	1900
Benzo(b)fluoranthene		3400		36	1900
Benzo(g,h,i)perylene		2200		22	1900
Benzo(k)fluoranthene		1400	J	21	1900
Biphenyl		ND		120	1900
bis (2-chloroisopropyl) ether		ND		200	1900
Bis(2-chloroethoxy)methane		ND		100	1900
Bis(2-chloroethyl)ether		ND		160	1900
Bis(2-ethylhexyl) phthalate		ND		600	1900
Butyl benzyl phthalate		ND		500	1900
Caprolactam		ND		810	1900
Carbazole		160	J	22	1900
Chrysene		2200		19	1900
Dibenz(a,h)anthracene		690	J	22	1900
Dibenzofuran		ND		19	1900
Diethyl phthalate		ND		56	1900

Client: CHA Inc

Job Number: 480-18068-1

Client Sample ID: **RB-06 (12"-24")**

Lab Sample ID: 480-18068-12
Client Matrix: Solid
% Moisture: 11.1
Date Sampled: 04/02/2012 1635
Date Received: 04/04/2012 0900

8270C Semivolatile Organic Compounds (GC/MS)

Analysis Method:	8270C	Analysis Batch:	480-58786	Instrument ID:	HP5973X
Prep Method:	3550B	Prep Batch:	480-58302	Lab File ID:	X5098.D
Dilution:	10			Initial Weight/Volume:	+30.53 g
Analysis Date:	04/09/2012 2038			Final Weight/Volume:	1 mL
Prep Date:	04/05/2012 1044			Injection Volume:	1 uL

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
Dimethyl phthalate		ND		49	1900
Di-n-butyl phthalate		ND		650	1900
Di-n-octyl phthalate		ND		44	1900
Fluoranthene		2700		27	1900
Fluorene		ND		43	1900
Hexachlorobenzene		ND		93	1900
Hexachlorobutadiene		ND		95	1900
Hexachlorocyclopentadiene		ND		560	1900
Hexachloroethane		ND		140	1900
Indeno(1,2,3-cd)pyrene		1900		52	1900
Isophorone		ND		93	1900
Naphthalene		ND		31	1900
Nitrobenzene		ND		83	1900
N-Nitrosodi-n-propylamine		ND		150	1900
N-Nitrosodiphenylamine		ND		100	1900
Pentachlorophenol		ND		640	3600
Phenanthrene		1500	J	39	1900
Phenol		ND		200	1900
Pyrene		2400		12	1900

Surrogate	%Rec	Qualifier	Acceptance Limits
2,4,6-Tribromophenol	91		39 - 146
2-Fluorobiphenyl	98		37 - 120
2-Fluorophenol	75		18 - 120
Nitrobenzene-d5	83		34 - 132
Phenol-d5	84		11 - 120
p-Terphenyl-d14	107		65 - 153

Client: CHA Inc

Job Number: 480-18068-1

Client Sample ID: **RB-06 (12"-24")**

Lab Sample ID: 480-18068-12
Client Matrix: Solid
% Moisture: 11.1

Date Sampled: 04/02/2012 1635
Date Received: 04/04/2012 0900

8270C Semivolatile Organic Compounds (GC/MS)

Analysis Method:	8270C	Analysis Batch:	480-58786	Instrument ID:	HP5973X
Prep Method:	3550B	Prep Batch:	480-58302	Lab File ID:	X5098.D
Dilution:	10			Initial Weight/Volume:	+30.53 g
Analysis Date:	04/09/2012 2038			Final Weight/Volume:	1 mL
Prep Date:	04/05/2012 1044			Injection Volume:	1 uL

Tentatively Identified Compounds **Number TIC's Found:** **4**

Cas Number	Analyte	RT	Est. Result (ug/Kg)	Qualifier
	Unknown	2.33	3300	T J
192-97-2	Benzo[e]pyrene	14.76	2100	T J N
	Unknown	16.31	1800	T J
	Unknown	16.99	1600	T J

Client: CHA Inc

Job Number: 480-18068-1

Client Sample ID: **SB-A1 (15'-15'8")**

Lab Sample ID: 480-18068-13
Client Matrix: Solid
% Moisture: 17.4
Date Sampled: 04/03/2012 0905
Date Received: 04/04/2012 0900

8270C Semivolatile Organic Compounds (GC/MS)

Analysis Method:	8270C	Analysis Batch:	480-58786	Instrument ID:	HP5973X
Prep Method:	3550B	Prep Batch:	480-58302	Lab File ID:	X5099.D
Dilution:	20			Initial Weight/Volume:	+30.92 g
Analysis Date:	04/09/2012 2102			Final Weight/Volume:	1 mL
Prep Date:	04/05/2012 1044			Injection Volume:	1 uL

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
2,4,5-Trichlorophenol		ND		860	4000
2,4,6-Trichlorophenol		ND		260	4000
2,4-Dichlorophenol		ND		210	4000
2,4-Dimethylphenol		ND		1100	4000
2,4-Dinitrophenol		ND		1400	7800
2,4-Dinitrotoluene		ND		610	4000
2,6-Dinitrotoluene		ND		970	4000
2-Chloronaphthalene		ND		270	4000
2-Chlorophenol		ND		200	4000
2-Methylnaphthalene		3200	J	48	4000
2-Methylphenol		ND		120	4000
2-Nitroaniline		ND		1300	7800
2-Nitrophenol		ND		180	4000
3,3'-Dichlorobenzidine		ND		3500	4000
3-Nitroaniline		ND		910	7800
4,6-Dinitro-2-methylphenol		ND		1400	7800
4-Bromophenyl phenyl ether		ND		1300	4000
4-Chloro-3-methylphenol		ND		160	4000
4-Chloroaniline		ND		1200	4000
4-Chlorophenyl phenyl ether		ND		85	4000
4-Methylphenol		ND		220	7800
4-Nitroaniline		ND		440	7800
4-Nitrophenol		ND	*	960	7800
Acenaphthene		4600		47	4000
Acenaphthylene		770	J	32	4000
Acetophenone		ND		200	4000
Anthracene		8300		100	4000
Atrazine		ND	*	180	4000
Benzaldehyde		ND		430	4000
Benzo(a)anthracene		14000		68	4000
Benzo(a)pyrene		14000		96	4000
Benzo(b)fluoranthene		17000		77	4000
Benzo(g,h,i)perylene		8800		48	4000
Benzo(k)fluoranthene		5700		44	4000
Biphenyl		740	J	250	4000
bis (2-chloroisopropyl) ether		ND		410	4000
Bis(2-chloroethoxy)methane		ND		220	4000
Bis(2-chloroethyl)ether		ND		340	4000
Bis(2-ethylhexyl) phthalate		ND		1300	4000
Butyl benzyl phthalate		ND		1100	4000
Caprolactam		ND		1700	4000
Carbazole		3400	J	46	4000
Chrysene		15000		40	4000
Dibenz(a,h)anthracene		2800	J	47	4000
Dibenzofuran		3400	J	41	4000
Diethyl phthalate		ND		120	4000

Client: CHA Inc

Job Number: 480-18068-1

Client Sample ID: **SB-A1 (15'-15'8")**

Lab Sample ID: 480-18068-13
Client Matrix: Solid
% Moisture: 17.4
Date Sampled: 04/03/2012 0905
Date Received: 04/04/2012 0900

8270C Semivolatile Organic Compounds (GC/MS)

Analysis Method:	8270C	Analysis Batch:	480-58786	Instrument ID:	HP5973X
Prep Method:	3550B	Prep Batch:	480-58302	Lab File ID:	X5099.D
Dilution:	20			Initial Weight/Volume:	+30.92 g
Analysis Date:	04/09/2012 2102			Final Weight/Volume:	1 mL
Prep Date:	04/05/2012 1044			Injection Volume:	1 uL

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
Dimethyl phthalate		ND		100	4000
Di-n-butyl phthalate		ND		1400	4000
Di-n-octyl phthalate		ND		93	4000
Fluoranthene		30000		57	4000
Fluorene		4900		91	4000
Hexachlorobenzene		ND		200	4000
Hexachlorobutadiene		ND		200	4000
Hexachlorocyclopentadiene		ND		1200	4000
Hexachloroethane		ND		310	4000
Indeno(1,2,3-cd)pyrene		8400		110	4000
Isophorone		ND		200	4000
Naphthalene		6200		66	4000
Nitrobenzene		ND		180	4000
N-Nitrosodi-n-propylamine		ND		310	4000
N-Nitrosodiphenylamine		ND		220	4000
Pentachlorophenol		ND		1400	7800
Phenanthrene		30000		83	4000
Phenol		ND		420	4000
Pyrene		26000		26	4000

Surrogate	%Rec	Qualifier	Acceptance Limits
2,4,6-Tribromophenol	100		39 - 146
2-Fluorobiphenyl	109		37 - 120
2-Fluorophenol	85		18 - 120
Nitrobenzene-d5	95		34 - 132
Phenol-d5	99		11 - 120
p-Terphenyl-d14	121		65 - 153

Client: CHA Inc

Job Number: 480-18068-1

Client Sample ID: **SB-A1 (15'-15'8")**

Lab Sample ID: 480-18068-13
Client Matrix: Solid
% Moisture: 17.4

Date Sampled: 04/03/2012 0905
Date Received: 04/04/2012 0900

8270C Semivolatile Organic Compounds (GC/MS)

Analysis Method:	8270C	Analysis Batch:	480-58786	Instrument ID:	HP5973X
Prep Method:	3550B	Prep Batch:	480-58302	Lab File ID:	X5099.D
Dilution:	20			Initial Weight/Volume:	+30.92 g
Analysis Date:	04/09/2012 2102			Final Weight/Volume:	1 mL
Prep Date:	04/05/2012 1044			Injection Volume:	1 uL

Tentatively Identified Compounds **Number TIC's Found:** **2**

Cas Number	Analyte	RT	Est. Result (ug/Kg)	Qualifier
	Unknown	11.80	6300	T J
192-97-2	Benzo[e]pyrene	14.76	9000	T J N

Client: CHA Inc

Job Number: 480-18068-1

Client Sample ID: **SB-A2 (10'-11')**

Lab Sample ID: 480-18068-14
Client Matrix: Solid
% Moisture: 8.1
Date Sampled: 04/03/2012 0958
Date Received: 04/04/2012 0900

8270C Semivolatile Organic Compounds (GC/MS)

Analysis Method:	8270C	Analysis Batch:	480-58786	Instrument ID:	HP5973X
Prep Method:	3550B	Prep Batch:	480-58302	Lab File ID:	X5100.D
Dilution:	5.0			Initial Weight/Volume:	+30.71 g
Analysis Date:	04/09/2012 2125			Final Weight/Volume:	1 mL
Prep Date:	04/05/2012 1044			Injection Volume:	1 uL

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
2,4,5-Trichlorophenol		ND		200	900
2,4,6-Trichlorophenol		ND		59	900
2,4-Dichlorophenol		ND		47	900
2,4-Dimethylphenol		ND		240	900
2,4-Dinitrophenol		ND		310	1800
2,4-Dinitrotoluene		ND		140	900
2,6-Dinitrotoluene		ND		220	900
2-Chloronaphthalene		ND		60	900
2-Chlorophenol		ND		46	900
2-Methylnaphthalene		48	J	11	900
2-Methylphenol		ND		28	900
2-Nitroaniline		ND		290	1800
2-Nitrophenol		ND		41	900
3,3'-Dichlorobenzidine		ND		790	900
3-Nitroaniline		ND		210	1800
4,6-Dinitro-2-methylphenol		ND		310	1800
4-Bromophenyl phenyl ether		ND		290	900
4-Chloro-3-methylphenol		ND		37	900
4-Chloroaniline		ND		260	900
4-Chlorophenyl phenyl ether		ND		19	900
4-Methylphenol		ND		50	1800
4-Nitroaniline		ND		100	1800
4-Nitrophenol		ND	*	220	1800
Acenaphthene		170	J	11	900
Acenaphthylene		140	J	7.3	900
Acetophenone		ND		46	900
Anthracene		590	J	23	900
Atrazine		ND	*	40	900
Benzaldehyde		ND		98	900
Benzo(a)anthracene		2000		15	900
Benzo(a)pyrene		1900		22	900
Benzo(b)fluoranthene		2500		17	900
Benzo(g,h,i)perylene		1100		11	900
Benzo(k)fluoranthene		890	J	9.9	900
Biphenyl		ND		56	900
bis (2-chloroisopropyl) ether		ND		94	900
Bis(2-chloroethoxy)methane		ND		49	900
Bis(2-chloroethyl)ether		ND		77	900
Bis(2-ethylhexyl) phthalate		ND		290	900
Butyl benzyl phthalate		ND		240	900
Caprolactam		ND		390	900
Carbazole		250	J	10	900
Chrysene		2000		9.0	900
Dibenz(a,h)anthracene		370	J	11	900
Dibenzofuran		98	J	9.3	900
Diethyl phthalate		ND		27	900

Client: CHA Inc

Job Number: 480-18068-1

Client Sample ID: **SB-A2 (10'-11')**

Lab Sample ID: 480-18068-14
Client Matrix: Solid
% Moisture: 8.1
Date Sampled: 04/03/2012 0958
Date Received: 04/04/2012 0900

8270C Semivolatile Organic Compounds (GC/MS)

Analysis Method:	8270C	Analysis Batch:	480-58786	Instrument ID:	HP5973X
Prep Method:	3550B	Prep Batch:	480-58302	Lab File ID:	X5100.D
Dilution:	5.0			Initial Weight/Volume:	+30.71 g
Analysis Date:	04/09/2012 2125			Final Weight/Volume:	1 mL
Prep Date:	04/05/2012 1044			Injection Volume:	1 uL

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
Dimethyl phthalate		ND		23	900
Di-n-butyl phthalate		ND		310	900
Di-n-octyl phthalate		ND		21	900
Fluoranthene		4000		13	900
Fluorene		190	J	21	900
Hexachlorobenzene		ND		45	900
Hexachlorobutadiene		ND		46	900
Hexachlorocyclopentadiene		ND		270	900
Hexachloroethane		ND		69	900
Indeno(1,2,3-cd)pyrene		1100		25	900
Isophorone		ND		45	900
Naphthalene		75	J	15	900
Nitrobenzene		ND		40	900
N-Nitrosodi-n-propylamine		ND		71	900
N-Nitrosodiphenylamine		ND		49	900
Pentachlorophenol		ND		310	1800
Phenanthrene		2500		19	900
Phenol		ND		94	900
Pyrene		3200		5.8	900

Surrogate	%Rec	Qualifier	Acceptance Limits
2,4,6-Tribromophenol	98		39 - 146
2-Fluorobiphenyl	93		37 - 120
2-Fluorophenol	69		18 - 120
Nitrobenzene-d5	80		34 - 132
Phenol-d5	82		11 - 120
p-Terphenyl-d14	108		65 - 153

Client: CHA Inc

Job Number: 480-18068-1

Client Sample ID: **SB-A2 (10'-11')**

Lab Sample ID: 480-18068-14
Client Matrix: Solid
% Moisture: 8.1

Date Sampled: 04/03/2012 0958
Date Received: 04/04/2012 0900

8270C Semivolatile Organic Compounds (GC/MS)

Analysis Method:	8270C	Analysis Batch:	480-58786	Instrument ID:	HP5973X
Prep Method:	3550B	Prep Batch:	480-58302	Lab File ID:	X5100.D
Dilution:	5.0			Initial Weight/Volume:	+30.71 g
Analysis Date:	04/09/2012 2125			Final Weight/Volume:	1 mL
Prep Date:	04/05/2012 1044			Injection Volume:	1 uL

Tentatively Identified Compounds **Number TIC's Found:** **2**

Cas Number	Analyte	RT	Est. Result (ug/Kg)	Qualifier
	Unknown	2.32	2500	T J
192-97-2	Benzo[e]pyrene	14.76	1300	T J N

Client: CHA Inc

Job Number: 480-18068-1

Client Sample ID: **SB-A3 (5'-6'1")**

Lab Sample ID: 480-18068-15
Client Matrix: Solid
% Moisture: 6.5
Date Sampled: 04/03/2012 1148
Date Received: 04/04/2012 0900

8270C Semivolatile Organic Compounds (GC/MS)

Analysis Method:	8270C	Analysis Batch:	480-58786	Instrument ID:	HP5973X
Prep Method:	3550B	Prep Batch:	480-58302	Lab File ID:	X5101.D
Dilution:	1.0			Initial Weight/Volume:	+30.26 g
Analysis Date:	04/09/2012 2148			Final Weight/Volume:	1 mL
Prep Date:	04/05/2012 1044			Injection Volume:	1 uL

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
2,4,5-Trichlorophenol		ND		39	180
2,4,6-Trichlorophenol		ND		12	180
2,4-Dichlorophenol		ND		9.4	180
2,4-Dimethylphenol		ND		48	180
2,4-Dinitrophenol		ND		63	350
2,4-Dinitrotoluene		ND		28	180
2,6-Dinitrotoluene		ND		44	180
2-Chloronaphthalene		ND		12	180
2-Chlorophenol		ND		9.1	180
2-Methylnaphthalene		150	J	2.2	180
2-Methylphenol		ND		5.5	180
2-Nitroaniline		ND		57	350
2-Nitrophenol		ND		8.2	180
3,3'-Dichlorobenzidine		ND		160	180
3-Nitroaniline		ND		41	350
4,6-Dinitro-2-methylphenol		ND		62	350
4-Bromophenyl phenyl ether		ND		57	180
4-Chloro-3-methylphenol		ND		7.4	180
4-Chloroaniline		ND		53	180
4-Chlorophenyl phenyl ether		ND		3.8	180
4-Methylphenol		27	J	10	350
4-Nitroaniline		ND		20	350
4-Nitrophenol		ND	*	43	350
Acenaphthene		430		2.1	180
Acenaphthylene		57	J	1.5	180
Acetophenone		ND		9.2	180
Anthracene		1100		4.6	180
Atrazine		ND	*	8.0	180
Benzaldehyde		ND		20	180
Benzo(a)anthracene		1800		3.1	180
Benzo(a)pyrene		1600		4.3	180
Benzo(b)fluoranthene		1800		3.5	180
Benzo(g,h,i)perylene		830		2.1	180
Benzo(k)fluoranthene		930		2.0	180
Biphenyl		56	J	11	180
bis (2-chloroisopropyl) ether		ND		19	180
Bis(2-chloroethoxy)methane		ND		9.7	180
Bis(2-chloroethyl)ether		ND		15	180
Bis(2-ethylhexyl) phthalate		ND		58	180
Butyl benzyl phthalate		ND		48	180
Caprolactam		ND		77	180
Carbazole		550		2.1	180
Chrysene		1700		1.8	180
Dibenz(a,h)anthracene		280		2.1	180
Dibenzofuran		400		1.9	180
Diethyl phthalate		15	J	5.4	180

Client: CHA Inc

Job Number: 480-18068-1

Client Sample ID: **SB-A3 (5'-6'1")**

Lab Sample ID: 480-18068-15
Client Matrix: Solid
% Moisture: 6.5
Date Sampled: 04/03/2012 1148
Date Received: 04/04/2012 0900

8270C Semivolatile Organic Compounds (GC/MS)

Analysis Method:	8270C	Analysis Batch:	480-58786	Instrument ID:	HP5973X
Prep Method:	3550B	Prep Batch:	480-58302	Lab File ID:	X5101.D
Dilution:	1.0			Initial Weight/Volume:	+30.26 g
Analysis Date:	04/09/2012 2148			Final Weight/Volume:	1 mL
Prep Date:	04/05/2012 1044			Injection Volume:	1 uL

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
Dimethyl phthalate		ND		4.7	180
Di-n-butyl phthalate		ND		62	180
Di-n-octyl phthalate		ND		4.2	180
Fluoranthene		4100		2.6	180
Fluorene		630		4.1	180
Hexachlorobenzene		ND		8.9	180
Hexachlorobutadiene		ND		9.2	180
Hexachlorocyclopentadiene		ND		54	180
Hexachloroethane		ND		14	180
Indeno(1,2,3-cd)pyrene		850		4.9	180
Isophorone		ND		8.9	180
Naphthalene		520		3.0	180
Nitrobenzene		ND		7.9	180
N-Nitrosodi-n-propylamine		ND		14	180
N-Nitrosodiphenylamine		ND		9.8	180
Pentachlorophenol		ND		61	350
Phenanthrene		4100		3.8	180
Phenol		21	J	19	180
Pyrene		3300		1.2	180

Surrogate	%Rec	Qualifier	Acceptance Limits
2,4,6-Tribromophenol	95		39 - 146
2-Fluorobiphenyl	78		37 - 120
2-Fluorophenol	65		18 - 120
Nitrobenzene-d5	76		34 - 132
Phenol-d5	71		11 - 120
p-Terphenyl-d14	93		65 - 153

Client: CHA Inc

Job Number: 480-18068-1

Client Sample ID: **SB-A3 (5'-6'1")**

Lab Sample ID: 480-18068-15
Client Matrix: Solid
% Moisture: 6.5

Date Sampled: 04/03/2012 1148
Date Received: 04/04/2012 0900

8270C Semivolatile Organic Compounds (GC/MS)

Analysis Method:	8270C	Analysis Batch:	480-58786	Instrument ID:	HP5973X
Prep Method:	3550B	Prep Batch:	480-58302	Lab File ID:	X5101.D
Dilution:	1.0			Initial Weight/Volume:	+30.26 g
Analysis Date:	04/09/2012 2148			Final Weight/Volume:	1 mL
Prep Date:	04/05/2012 1044			Injection Volume:	1 uL

Tentatively Identified Compounds **Number TIC's Found:** **6**

Cas Number	Analyte	RT	Est. Result (ug/Kg)	Qualifier
	Unknown	2.32	2400	T J
832-69-9	Phenanthrene, 1-methyl-	11.73	490	T J N
2381-21-7	Pyrene, 1-methyl-	12.86	210	T J N
2381-21-7	Pyrene, 1-methyl-	12.92	150	T J N
192-97-2	Benzo[e]pyrene	14.78	950	T J N
198-55-0	Perylene	14.90	590	T J N

Client: CHA Inc

Job Number: 480-18068-1

Client Sample ID: **DUP-03**

Lab Sample ID: 480-18068-16
Client Matrix: Solid
% Moisture: 11.5
Date Sampled: 04/03/2012 1030
Date Received: 04/04/2012 0900

8270C Semivolatile Organic Compounds (GC/MS)

Analysis Method:	8270C	Analysis Batch:	480-58786	Instrument ID:	HP5973X
Prep Method:	3550B	Prep Batch:	480-58302	Lab File ID:	X5102.D
Dilution:	1.0			Initial Weight/Volume:	+30.87 g
Analysis Date:	04/09/2012 2212			Final Weight/Volume:	1 mL
Prep Date:	04/05/2012 1044			Injection Volume:	1 uL

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
2,4,5-Trichlorophenol		ND		40	190
2,4,6-Trichlorophenol		ND		12	190
2,4-Dichlorophenol		ND		9.7	190
2,4-Dimethylphenol		ND		50	190
2,4-Dinitrophenol		ND		65	360
2,4-Dinitrotoluene		ND		29	190
2,6-Dinitrotoluene		ND		45	190
2-Chloronaphthalene		ND		12	190
2-Chlorophenol		ND		9.4	190
2-Methylnaphthalene		36	J	2.2	190
2-Methylphenol		ND		5.7	190
2-Nitroaniline		ND		59	360
2-Nitrophenol		ND		8.5	190
3,3'-Dichlorobenzidine		ND		160	190
3-Nitroaniline		ND		43	360
4,6-Dinitro-2-methylphenol		ND		64	360
4-Bromophenyl phenyl ether		ND		59	190
4-Chloro-3-methylphenol		ND		7.6	190
4-Chloroaniline		ND		54	190
4-Chlorophenyl phenyl ether		ND		4.0	190
4-Methylphenol		ND		10	360
4-Nitroaniline		ND		21	360
4-Nitrophenol		ND	*	45	360
Acenaphthene		97	J	2.2	190
Acenaphthylene		120	J	1.5	190
Acetophenone		ND		9.5	190
Anthracene		380		4.7	190
Atrazine		ND	*	8.3	190
Benzaldehyde		ND		20	190
Benzo(a)anthracene		1300		3.2	190
Benzo(a)pyrene		1300		4.5	190
Benzo(b)fluoranthene		1400		3.6	190
Benzo(g,h,i)perylene		640		2.2	190
Benzo(k)fluoranthene		760		2.0	190
Biphenyl		13	J	12	190
bis (2-chloroisopropyl) ether		ND		19	190
Bis(2-chloroethoxy)methane		ND		10	190
Bis(2-chloroethyl)ether		ND		16	190
Bis(2-ethylhexyl) phthalate		73	J	60	190
Butyl benzyl phthalate		ND		50	190
Caprolactam		ND		80	190
Carbazole		140	J	2.1	190
Chrysene		1300		1.9	190
Dibenz(a,h)anthracene		220		2.2	190
Dibenzofuran		60	J	1.9	190
Diethyl phthalate		ND		5.6	190

Client: CHA Inc

Job Number: 480-18068-1

Client Sample ID: **DUP-03**

Lab Sample ID: 480-18068-16
Client Matrix: Solid
% Moisture: 11.5
Date Sampled: 04/03/2012 1030
Date Received: 04/04/2012 0900

8270C Semivolatile Organic Compounds (GC/MS)

Analysis Method:	8270C	Analysis Batch:	480-58786	Instrument ID:	HP5973X
Prep Method:	3550B	Prep Batch:	480-58302	Lab File ID:	X5102.D
Dilution:	1.0			Initial Weight/Volume:	+30.87 g
Analysis Date:	04/09/2012 2212			Final Weight/Volume:	1 mL
Prep Date:	04/05/2012 1044			Injection Volume:	1 uL

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
Dimethyl phthalate		ND		4.8	190
Di-n-butyl phthalate		ND		64	190
Di-n-octyl phthalate		ND		4.3	190
Fluoranthene		2400		2.7	190
Fluorene		110	J	4.3	190
Hexachlorobenzene		ND		9.2	190
Hexachlorobutadiene		ND		9.5	190
Hexachlorocyclopentadiene		ND		56	190
Hexachloroethane		ND		14	190
Indeno(1,2,3-cd)pyrene		650		5.1	190
Isophorone		ND		9.3	190
Naphthalene		52	J	3.1	190
Nitrobenzene		ND		8.2	190
N-Nitrosodi-n-propylamine		ND		15	190
N-Nitrosodiphenylamine		ND		10	190
Pentachlorophenol		ND		64	360
Phenanthrene		1300		3.9	190
Phenol		ND		20	190
Pyrene		2100		1.2	190

Surrogate	%Rec	Qualifier	Acceptance Limits
2,4,6-Tribromophenol	94		39 - 146
2-Fluorobiphenyl	79		37 - 120
2-Fluorophenol	64		18 - 120
Nitrobenzene-d5	77		34 - 132
Phenol-d5	71		11 - 120
p-Terphenyl-d14	92		65 - 153

Client: CHA Inc

Job Number: 480-18068-1

Client Sample ID: **DUP-03**

Lab Sample ID: 480-18068-16
Client Matrix: Solid
% Moisture: 11.5

Date Sampled: 04/03/2012 1030
Date Received: 04/04/2012 0900

8270C Semivolatile Organic Compounds (GC/MS)

Analysis Method:	8270C	Analysis Batch:	480-58786	Instrument ID:	HP5973X
Prep Method:	3550B	Prep Batch:	480-58302	Lab File ID:	X5102.D
Dilution:	1.0			Initial Weight/Volume:	+30.87 g
Analysis Date:	04/09/2012 2212			Final Weight/Volume:	1 mL
Prep Date:	04/05/2012 1044			Injection Volume:	1 uL

Tentatively Identified Compounds **Number TIC's Found:** **11**

Cas Number	Analyte	RT	Est. Result (ug/Kg)	Qualifier
	Unknown	2.33	2300	T J
949-41-7	1H-Cyclopropa[l]phenanthrene,1a,9b-dihyd	11.73	380	T J N
5737-13-3	Cyclopenta(def)phenanthrenone	12.30	340	T J N
2381-21-7	Pyrene, 1-methyl-	12.77	150	T J N
	Unknown	12.95	180	T J
	Unknown	13.06	160	T J
82-5-3	7H-Benz[de]anthracen-7-one	13.31	180	T J N
239-35-0	Benzo[b]naphtho[2,1-d]thiophene	13.40	160	T J N
82-5-3	7H-Benz[de]anthracen-7-one	13.49	170	T J N
1705-84-6	Triphenylene, 2-methyl-	13.97	170	T J N
207-8-9	Benzo[k]fluoranthene	14.78	800	T J N

Client: CHA Inc

Job Number: 480-18068-1

Client Sample ID: **EQUIPMENT BLANK**

Lab Sample ID: 480-18068-17
Client Matrix: Water

Date Sampled: 04/03/2012 1210
Date Received: 04/04/2012 0900

8270C Semivolatile Organic Compounds (GC/MS)

Analysis Method:	8270C	Analysis Batch:	480-58387	Instrument ID:	HP5973X
Prep Method:	3510C	Prep Batch:	480-58223	Lab File ID:	X4945.D
Dilution:	1.0			Initial Weight/Volume:	1000 mL
Analysis Date:	04/06/2012 1116			Final Weight/Volume:	1 mL
Prep Date:	04/05/2012 0738			Injection Volume:	1 uL

Analyte	Result (ug/L)	Qualifier	MDL	RL
Biphenyl	ND		0.65	5.0
bis (2-chloroisopropyl) ether	ND		0.52	5.0
2,4,5-Trichlorophenol	ND		0.48	5.0
2,4,6-Trichlorophenol	ND		0.61	5.0
2,4-Dichlorophenol	ND		0.51	5.0
2,4-Dimethylphenol	ND		0.50	5.0
2,4-Dinitrophenol	ND		2.2	10
2,4-Dinitrotoluene	ND		0.45	5.0
2,6-Dinitrotoluene	ND		0.40	5.0
2-Chloronaphthalene	ND		0.46	5.0
2-Chlorophenol	ND		0.53	5.0
2-Methylnaphthalene	ND		0.60	5.0
2-Methylphenol	ND		0.40	5.0
2-Nitroaniline	ND		0.42	10
2-Nitrophenol	ND		0.48	5.0
3,3'-Dichlorobenzidine	ND		0.40	5.0
3-Nitroaniline	ND		0.48	10
4,6-Dinitro-2-methylphenol	ND		2.2	10
4-Bromophenyl phenyl ether	ND		0.45	5.0
4-Chloro-3-methylphenol	ND		0.45	5.0
4-Chloroaniline	ND		0.59	5.0
4-Chlorophenyl phenyl ether	ND		0.35	5.0
4-Methylphenol	ND		0.36	10
4-Nitroaniline	ND		0.25	10
4-Nitrophenol	ND		1.5	10
Acenaphthene	ND		0.41	5.0
Acenaphthylene	ND		0.38	5.0
Acetophenone	ND		0.54	5.0
Anthracene	ND		0.28	5.0
Atrazine	ND		0.46	5.0
Benzaldehyde	ND		0.27	5.0
Benzo(a)anthracene	ND		0.36	5.0
Benzo(a)pyrene	ND		0.47	5.0
Benzo(b)fluoranthene	ND		0.34	5.0
Benzo(g,h,i)perylene	ND		0.35	5.0
Benzo(k)fluoranthene	ND		0.73	5.0
Bis(2-chloroethoxy)methane	ND		0.35	5.0
Bis(2-chloroethyl)ether	ND		0.40	5.0
Bis(2-ethylhexyl) phthalate	ND		1.8	5.0
Butyl benzyl phthalate	ND		0.42	5.0
Caprolactam	ND	*	2.2	5.0
Carbazole	ND		0.30	5.0
Chrysene	ND		0.33	5.0
Di-n-butyl phthalate	ND		0.31	5.0
Di-n-octyl phthalate	ND		0.47	5.0
Dibenz(a,h)anthracene	ND		0.42	5.0

Client: CHA Inc

Job Number: 480-18068-1

Client Sample ID: **EQUIPMENT BLANK**

Lab Sample ID: 480-18068-17
Client Matrix: Water

Date Sampled: 04/03/2012 1210
Date Received: 04/04/2012 0900

8270C Semivolatile Organic Compounds (GC/MS)

Analysis Method:	8270C	Analysis Batch:	480-58387	Instrument ID:	HP5973X
Prep Method:	3510C	Prep Batch:	480-58223	Lab File ID:	X4945.D
Dilution:	1.0			Initial Weight/Volume:	1000 mL
Analysis Date:	04/06/2012 1116			Final Weight/Volume:	1 mL
Prep Date:	04/05/2012 0738			Injection Volume:	1 uL

Analyte	Result (ug/L)	Qualifier	MDL	RL
Dibenzofuran	ND		0.51	10
Diethyl phthalate	ND		0.22	5.0
Dimethyl phthalate	ND		0.36	5.0
Fluoranthene	ND		0.40	5.0
Fluorene	ND		0.36	5.0
Hexachlorobenzene	ND		0.51	5.0
Hexachlorobutadiene	ND		0.68	5.0
Hexachlorocyclopentadiene	ND		0.59	5.0
Hexachloroethane	ND		0.59	5.0
Indeno(1,2,3-cd)pyrene	ND		0.47	5.0
Isophorone	ND		0.43	5.0
N-Nitrosodi-n-propylamine	ND		0.54	5.0
N-Nitrosodiphenylamine	ND		0.51	5.0
Naphthalene	ND		0.76	5.0
Nitrobenzene	ND		0.29	5.0
Pentachlorophenol	ND		2.2	10
Phenanthrene	ND		0.44	5.0
Phenol	ND		0.39	5.0
Pyrene	ND		0.34	5.0

Surrogate	%Rec	Qualifier	Acceptance Limits
2,4,6-Tribromophenol	124		52 - 132
2-Fluorobiphenyl	88		48 - 120
2-Fluorophenol	35		20 - 120
Nitrobenzene-d5	77		46 - 120
p-Terphenyl-d14	105		67 - 150
Phenol-d5	25		16 - 120

Client: CHA Inc

Job Number: 480-18068-1

Client Sample ID: **EQUIPMENT BLANK**

Lab Sample ID: 480-18068-17
Client Matrix: Water

Date Sampled: 04/03/2012 1210
Date Received: 04/04/2012 0900

8270C Semivolatile Organic Compounds (GC/MS)

Analysis Method:	8270C	Analysis Batch:	480-58387	Instrument ID:	HP5973X
Prep Method:	3510C	Prep Batch:	480-58223	Lab File ID:	X4945.D
Dilution:	1.0			Initial Weight/Volume:	1000 mL
Analysis Date:	04/06/2012 1116			Final Weight/Volume:	1 mL
Prep Date:	04/05/2012 0738			Injection Volume:	1 uL

Tentatively Identified Compounds **Number TIC's Found:** **8**

Cas Number	Analyte	RT	Est. Result (ug/L)	Qualifier
106-42-3	p-Xylene	4.24	4.3	T J N
	Unknown	12.76	5.0	T J
	Unknown	13.07	5.7	T J
	Unknown	13.53	9.0	T J
	Unknown	13.80	6.0	T J
	Unknown	14.13	6.3	T J
	Unknown	14.24	11	T J
	Unknown	14.99	11	T J

Client: CHA Inc

Job Number: 480-18068-1

Client Sample ID: **RB-03 (0-6")**

Lab Sample ID: 480-18068-1
Client Matrix: Solid
% Moisture: 24.5
Date Sampled: 04/02/2012 1115
Date Received: 04/04/2012 0900

8082 Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analysis Method:	8082	Analysis Batch:	480-58319	Instrument ID:	HP5890-12
Prep Method:	3550B	Prep Batch:	480-58267	Initial Weight/Volume:	+2.28 g
Dilution:	1.0			Final Weight/Volume:	10 mL
Analysis Date:	04/05/2012 1955			Injection Volume:	1 uL
Prep Date:	04/05/2012 0940			Result Type:	PRIMARY

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
PCB-1016		ND		57	290
PCB-1221		ND		57	290
PCB-1232		ND		57	290
PCB-1242		ND		63	290
PCB-1248		ND		57	290
PCB-1254		ND		61	290
PCB-1260		ND		140	290

Surrogate	%Rec	Qualifier	Acceptance Limits
DCB Decachlorobiphenyl	81		36 - 182
Tetrachloro-m-xylene	84		24 - 172

Client: CHA Inc

Job Number: 480-18068-1

Client Sample ID: **RB-03 (0-6")**

Lab Sample ID: 480-18068-1
Client Matrix: Solid
% Moisture: 24.5

Date Sampled: 04/02/2012 1115
Date Received: 04/04/2012 0900

8082 Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analysis Method:	8082	Analysis Batch:	480-58319	Instrument ID:	HP5890-12
Prep Method:	3550B	Prep Batch:	480-58267	Initial Weight/Volume:	+2.28 g
Dilution:	1.0			Final Weight/Volume:	10 mL
Analysis Date:	04/05/2012 1955			Injection Volume:	1 uL
Prep Date:	04/05/2012 0940			Result Type:	SECONDARY

Surrogate	%Rec	Qualifier	Acceptance Limits
DCB Decachlorobiphenyl	93		36 - 182
Tetrachloro-m-xylene	90		24 - 172

Client: CHA Inc

Job Number: 480-18068-1

Client Sample ID: **RB-03 (6"-12")**

Lab Sample ID: 480-18068-2
Client Matrix: Solid
% Moisture: 18.2
Date Sampled: 04/02/2012 1220
Date Received: 04/04/2012 0900

8082 Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analysis Method:	8082	Analysis Batch:	480-58319	Instrument ID:	HP5890-12
Prep Method:	3550B	Prep Batch:	480-58267	Initial Weight/Volume:	+2.21 g
Dilution:	1.0			Final Weight/Volume:	10 mL
Analysis Date:	04/05/2012 2010			Injection Volume:	1 uL
Prep Date:	04/05/2012 0940			Result Type:	PRIMARY

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
PCB-1016		ND		54	280
PCB-1221		ND		54	280
PCB-1232		ND		54	280
PCB-1242		ND		60	280
PCB-1248		ND		54	280
PCB-1254		ND		58	280
PCB-1260		ND		130	280

Surrogate	%Rec	Qualifier	Acceptance Limits
DCB Decachlorobiphenyl	105		36 - 182
Tetrachloro-m-xylene	112		24 - 172

Client: CHA Inc

Job Number: 480-18068-1

Client Sample ID: **RB-03 (6"-12")**

Lab Sample ID: 480-18068-2
Client Matrix: Solid
% Moisture: 18.2

Date Sampled: 04/02/2012 1220
Date Received: 04/04/2012 0900

8082 Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analysis Method:	8082	Analysis Batch:	480-58319	Instrument ID:	HP5890-12
Prep Method:	3550B	Prep Batch:	480-58267	Initial Weight/Volume:	+2.21 g
Dilution:	1.0			Final Weight/Volume:	10 mL
Analysis Date:	04/05/2012 2010			Injection Volume:	1 uL
Prep Date:	04/05/2012 0940			Result Type:	SECONDARY

Surrogate	%Rec	Qualifier	Acceptance Limits
DCB Decachlorobiphenyl	124		36 - 182
Tetrachloro-m-xylene	118		24 - 172

Client: CHA Inc

Job Number: 480-18068-1

Client Sample ID: **RB-03 (12"-24")**

Lab Sample ID: 480-18068-3
Client Matrix: Solid
% Moisture: 22.9

Date Sampled: 04/02/2012 1235
Date Received: 04/04/2012 0900

8082 Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analysis Method:	8082	Analysis Batch:	480-58319	Instrument ID:	HP5890-12
Prep Method:	3550B	Prep Batch:	480-58267	Initial Weight/Volume:	+2.29 g
Dilution:	1.0			Final Weight/Volume:	10 mL
Analysis Date:	04/05/2012 2025			Injection Volume:	1 uL
Prep Date:	04/05/2012 0940			Result Type:	PRIMARY

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
PCB-1016		ND		55	280
PCB-1221		ND		55	280
PCB-1232		ND		55	280
PCB-1242		ND		61	280
PCB-1248		ND		56	280
PCB-1254		ND		60	280
PCB-1260		ND		130	280

Surrogate	%Rec	Qualifier	Acceptance Limits
DCB Decachlorobiphenyl	88		36 - 182
Tetrachloro-m-xylene	102		24 - 172

Client: CHA Inc

Job Number: 480-18068-1

Client Sample ID: **RB-03 (12"-24")**

Lab Sample ID: 480-18068-3
Client Matrix: Solid
% Moisture: 22.9

Date Sampled: 04/02/2012 1235
Date Received: 04/04/2012 0900

8082 Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analysis Method:	8082	Analysis Batch:	480-58319	Instrument ID:	HP5890-12
Prep Method:	3550B	Prep Batch:	480-58267	Initial Weight/Volume:	+2.29 g
Dilution:	1.0			Final Weight/Volume:	10 mL
Analysis Date:	04/05/2012 2025			Injection Volume:	1 uL
Prep Date:	04/05/2012 0940			Result Type:	SECONDARY

Surrogate	%Rec	Qualifier	Acceptance Limits
DCB Decachlorobiphenyl	104		36 - 182
Tetrachloro-m-xylene	108		24 - 172

Client: CHA Inc

Job Number: 480-18068-1

Client Sample ID: **RB-04 (0-6")**

Lab Sample ID: 480-18068-4
Client Matrix: Solid
% Moisture: 25.4
Date Sampled: 04/02/2012 1405
Date Received: 04/04/2012 0900

8082 Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analysis Method:	8082	Analysis Batch:	480-58319	Instrument ID:	HP5890-12
Prep Method:	3550B	Prep Batch:	480-58267	Initial Weight/Volume:	+2.25 g
Dilution:	1.0			Final Weight/Volume:	10 mL
Analysis Date:	04/05/2012 2039			Injection Volume:	1 uL
Prep Date:	04/05/2012 0940			Result Type:	PRIMARY

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
PCB-1016		ND		58	300
PCB-1221		ND		58	300
PCB-1232		ND		58	300
PCB-1242		ND		65	300
PCB-1248		ND		58	300
PCB-1254		ND		63	300
PCB-1260		ND		140	300

Surrogate	%Rec	Qualifier	Acceptance Limits
DCB Decachlorobiphenyl	105		36 - 182
Tetrachloro-m-xylene	115		24 - 172

Client: CHA Inc

Job Number: 480-18068-1

Client Sample ID: **RB-04 (0-6")**

Lab Sample ID: 480-18068-4
Client Matrix: Solid
% Moisture: 25.4

Date Sampled: 04/02/2012 1405
Date Received: 04/04/2012 0900

8082 Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analysis Method:	8082	Analysis Batch:	480-58319	Instrument ID:	HP5890-12
Prep Method:	3550B	Prep Batch:	480-58267	Initial Weight/Volume:	+2.25 g
Dilution:	1.0			Final Weight/Volume:	10 mL
Analysis Date:	04/05/2012 2039			Injection Volume:	1 uL
Prep Date:	04/05/2012 0940			Result Type:	SECONDARY

Surrogate	%Rec	Qualifier	Acceptance Limits
DCB Decachlorobiphenyl	123		36 - 182
Tetrachloro-m-xylene	122		24 - 172

Client: CHA Inc

Job Number: 480-18068-1

Client Sample ID: **RB-04 (6"-12"**

Lab Sample ID: 480-18068-5
Client Matrix: Solid
% Moisture: 25.9
Date Sampled: 04/02/2012 1422
Date Received: 04/04/2012 0900

8082 Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analysis Method:	8082	Analysis Batch:	480-58319	Instrument ID:	HP5890-12
Prep Method:	3550B	Prep Batch:	480-58267	Initial Weight/Volume:	+2.27 g
Dilution:	1.0			Final Weight/Volume:	10 mL
Analysis Date:	04/05/2012 2054			Injection Volume:	1 uL
Prep Date:	04/05/2012 0940			Result Type:	PRIMARY

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
PCB-1016		ND		58	300
PCB-1221		ND		58	300
PCB-1232		ND		58	300
PCB-1242		ND		65	300
PCB-1248		ND		58	300
PCB-1254		ND		63	300
PCB-1260		ND		140	300

Surrogate	%Rec	Qualifier	Acceptance Limits
DCB Decachlorobiphenyl	89		36 - 182
Tetrachloro-m-xylene	96		24 - 172

Client: CHA Inc

Job Number: 480-18068-1

Client Sample ID: **RB-04 (6"-12"**

Lab Sample ID: 480-18068-5
Client Matrix: Solid
% Moisture: 25.9

Date Sampled: 04/02/2012 1422
Date Received: 04/04/2012 0900

8082 Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analysis Method:	8082	Analysis Batch:	480-58319	Instrument ID:	HP5890-12
Prep Method:	3550B	Prep Batch:	480-58267	Initial Weight/Volume:	+2.27 g
Dilution:	1.0			Final Weight/Volume:	10 mL
Analysis Date:	04/05/2012 2054			Injection Volume:	1 uL
Prep Date:	04/05/2012 0940			Result Type:	SECONDARY

Surrogate	%Rec	Qualifier	Acceptance Limits
DCB Decachlorobiphenyl	106		36 - 182
Tetrachloro-m-xylene	103		24 - 172

Client: CHA Inc

Job Number: 480-18068-1

Client Sample ID: **RB-04 (12"-24")**

Lab Sample ID: 480-18068-6
Client Matrix: Solid
% Moisture: 26.2
Date Sampled: 04/02/2012 1435
Date Received: 04/04/2012 0900

8082 Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analysis Method:	8082	Analysis Batch:	480-58319	Instrument ID:	HP5890-12
Prep Method:	3550B	Prep Batch:	480-58267	Initial Weight/Volume:	+2.73 g
Dilution:	1.0			Final Weight/Volume:	10 mL
Analysis Date:	04/05/2012 2109			Injection Volume:	1 uL
Prep Date:	04/05/2012 0940			Result Type:	PRIMARY

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
PCB-1016		ND		49	250
PCB-1221		ND		49	250
PCB-1232		ND		49	250
PCB-1242		ND		54	250
PCB-1248		ND		49	250
PCB-1254		ND		52	250
PCB-1260		ND		120	250

Surrogate	%Rec	Qualifier	Acceptance Limits
DCB Decachlorobiphenyl	89		36 - 182
Tetrachloro-m-xylene	100		24 - 172

Client: CHA Inc

Job Number: 480-18068-1

Client Sample ID: **RB-04 (12"-24")**

Lab Sample ID: 480-18068-6
Client Matrix: Solid
% Moisture: 26.2

Date Sampled: 04/02/2012 1435
Date Received: 04/04/2012 0900

8082 Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analysis Method:	8082	Analysis Batch:	480-58319	Instrument ID:	HP5890-12
Prep Method:	3550B	Prep Batch:	480-58267	Initial Weight/Volume:	+2.73 g
Dilution:	1.0			Final Weight/Volume:	10 mL
Analysis Date:	04/05/2012 2109			Injection Volume:	1 uL
Prep Date:	04/05/2012 0940			Result Type:	SECONDARY

Surrogate	%Rec	Qualifier	Acceptance Limits
DCB Decachlorobiphenyl	105		36 - 182
Tetrachloro-m-xylene	104		24 - 172

Client: CHA Inc

Job Number: 480-18068-1

Client Sample ID: **RB-05 (0-6")**

Lab Sample ID: 480-18068-7
Client Matrix: Solid
% Moisture: 21.7
Date Sampled: 04/02/2012 1455
Date Received: 04/04/2012 0900

8082 Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analysis Method:	8082	Analysis Batch:	480-58319	Instrument ID:	HP5890-12
Prep Method:	3550B	Prep Batch:	480-58267	Initial Weight/Volume:	+2.28 g
Dilution:	1.0			Final Weight/Volume:	10 mL
Analysis Date:	04/05/2012 2124			Injection Volume:	1 uL
Prep Date:	04/05/2012 0940			Result Type:	PRIMARY

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
PCB-1016		ND		55	280
PCB-1221		ND		55	280
PCB-1232		ND		55	280
PCB-1242		ND		61	280
PCB-1248		ND		55	280
PCB-1254		ND		59	280
PCB-1260		ND		130	280

Surrogate	%Rec	Qualifier	Acceptance Limits
DCB Decachlorobiphenyl	111		36 - 182
Tetrachloro-m-xylene	116		24 - 172

Client: CHA Inc

Job Number: 480-18068-1

Client Sample ID: **RB-05 (0-6")**

Lab Sample ID: 480-18068-7
Client Matrix: Solid
% Moisture: 21.7

Date Sampled: 04/02/2012 1455
Date Received: 04/04/2012 0900

8082 Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analysis Method:	8082	Analysis Batch:	480-58319	Instrument ID:	HP5890-12
Prep Method:	3550B	Prep Batch:	480-58267	Initial Weight/Volume:	+2.28 g
Dilution:	1.0			Final Weight/Volume:	10 mL
Analysis Date:	04/05/2012 2124			Injection Volume:	1 uL
Prep Date:	04/05/2012 0940			Result Type:	SECONDARY

Surrogate	%Rec	Qualifier	Acceptance Limits
DCB Decachlorobiphenyl	125		36 - 182
Tetrachloro-m-xylene	123		24 - 172

Client: CHA Inc

Job Number: 480-18068-1

Client Sample ID: **RB-05 (6"-12"**

Lab Sample ID: 480-18068-8
Client Matrix: Solid
% Moisture: 12.7
Date Sampled: 04/02/2012 1510
Date Received: 04/04/2012 0900

8082 Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analysis Method:	8082	Analysis Batch:	480-58319	Instrument ID:	HP5890-12
Prep Method:	3550B	Prep Batch:	480-58267	Initial Weight/Volume:	+2.64 g
Dilution:	1.0			Final Weight/Volume:	10 mL
Analysis Date:	04/05/2012 2138			Injection Volume:	1 uL
Prep Date:	04/05/2012 0940			Result Type:	PRIMARY

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
PCB-1016		ND		42	220
PCB-1221		ND		42	220
PCB-1232		ND		42	220
PCB-1242		ND		47	220
PCB-1248		ND		43	220
PCB-1254		ND		46	220
PCB-1260		ND		100	220

Surrogate	%Rec	Qualifier	Acceptance Limits
DCB Decachlorobiphenyl	82		36 - 182
Tetrachloro-m-xylene	83		24 - 172

Client: CHA Inc

Job Number: 480-18068-1

Client Sample ID: **RB-05 (6"-12"**

Lab Sample ID: 480-18068-8
Client Matrix: Solid

% Moisture: 12.7

Date Sampled: 04/02/2012 1510
Date Received: 04/04/2012 0900

8082 Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analysis Method:	8082	Analysis Batch:	480-58319	Instrument ID:	HP5890-12
Prep Method:	3550B	Prep Batch:	480-58267	Initial Weight/Volume:	+2.64 g
Dilution:	1.0			Final Weight/Volume:	10 mL
Analysis Date:	04/05/2012 2138			Injection Volume:	1 uL
Prep Date:	04/05/2012 0940			Result Type:	SECONDARY

Surrogate	%Rec	Qualifier	Acceptance Limits
DCB Decachlorobiphenyl	95		36 - 182
Tetrachloro-m-xylene	89		24 - 172

Client: CHA Inc

Job Number: 480-18068-1

Client Sample ID: **RB-05 (12"-24")**

Lab Sample ID: 480-18068-9
Client Matrix: Solid
% Moisture: 15.6
Date Sampled: 04/02/2012 1525
Date Received: 04/04/2012 0900

8082 Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analysis Method:	8082	Analysis Batch:	480-58319	Instrument ID:	HP5890-12
Prep Method:	3550B	Prep Batch:	480-58267	Initial Weight/Volume:	+2.29 g
Dilution:	1.0			Final Weight/Volume:	10 mL
Analysis Date:	04/05/2012 2153			Injection Volume:	1 uL
Prep Date:	04/05/2012 0940			Result Type:	PRIMARY

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
PCB-1016		ND		51	260
PCB-1221		ND		51	260
PCB-1232		ND		51	260
PCB-1242		ND		56	260
PCB-1248		ND		51	260
PCB-1254		ND		55	260
PCB-1260		ND		120	260

Surrogate	%Rec	Qualifier	Acceptance Limits
DCB Decachlorobiphenyl	104		36 - 182
Tetrachloro-m-xylene	109		24 - 172

Client: CHA Inc

Job Number: 480-18068-1

Client Sample ID: **RB-05 (12"-24")**

Lab Sample ID: 480-18068-9
Client Matrix: Solid
% Moisture: 15.6
Date Sampled: 04/02/2012 1525
Date Received: 04/04/2012 0900

8082 Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analysis Method:	8082	Analysis Batch:	480-58319	Instrument ID:	HP5890-12
Prep Method:	3550B	Prep Batch:	480-58267	Initial Weight/Volume:	+2.29 g
Dilution:	1.0			Final Weight/Volume:	10 mL
Analysis Date:	04/05/2012 2153			Injection Volume:	1 uL
Prep Date:	04/05/2012 0940			Result Type:	SECONDARY

Surrogate	%Rec	Qualifier	Acceptance Limits
DCB Decachlorobiphenyl	119		36 - 182
Tetrachloro-m-xylene	116		24 - 172

Client: CHA Inc

Job Number: 480-18068-1

Client Sample ID: **RB-06 (0-6")**

Lab Sample ID: 480-18068-10
Client Matrix: Solid
% Moisture: 10.1
Date Sampled: 04/02/2012 1610
Date Received: 04/04/2012 0900

8082 Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analysis Method:	8082	Analysis Batch:	480-58319	Instrument ID:	HP5890-12
Prep Method:	3550B	Prep Batch:	480-58267	Initial Weight/Volume:	+2.81 g
Dilution:	1.0			Final Weight/Volume:	10 mL
Analysis Date:	04/05/2012 2208			Injection Volume:	1 uL
Prep Date:	04/05/2012 0940			Result Type:	PRIMARY

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
PCB-1016		ND		39	200
PCB-1221		ND		39	200
PCB-1232		ND		39	200
PCB-1242		ND		43	200
PCB-1248		ND		39	200
PCB-1254		ND		42	200
PCB-1260		ND		93	200

Surrogate	%Rec	Qualifier	Acceptance Limits
DCB Decachlorobiphenyl	120		36 - 182
Tetrachloro-m-xylene	122		24 - 172

Client: CHA Inc

Job Number: 480-18068-1

Client Sample ID: **RB-06 (0-6")**

Lab Sample ID: 480-18068-10
Client Matrix: Solid
% Moisture: 10.1

Date Sampled: 04/02/2012 1610
Date Received: 04/04/2012 0900

8082 Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analysis Method:	8082	Analysis Batch:	480-58319	Instrument ID:	HP5890-12
Prep Method:	3550B	Prep Batch:	480-58267	Initial Weight/Volume:	+2.81 g
Dilution:	1.0			Final Weight/Volume:	10 mL
Analysis Date:	04/05/2012 2208			Injection Volume:	1 uL
Prep Date:	04/05/2012 0940			Result Type:	SECONDARY

Surrogate	%Rec	Qualifier	Acceptance Limits
DCB Decachlorobiphenyl	142		36 - 182
Tetrachloro-m-xylene	131		24 - 172

Client: CHA Inc

Job Number: 480-18068-1

Client Sample ID: **RB-06 (6"-12"**

Lab Sample ID: 480-18068-11
Client Matrix: Solid
% Moisture: 11.5

Date Sampled: 04/02/2012 1625
Date Received: 04/04/2012 0900

8082 Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analysis Method:	8082	Analysis Batch:	480-58319	Instrument ID:	HP5890-12
Prep Method:	3550B	Prep Batch:	480-58267	Initial Weight/Volume:	+2.82 g
Dilution:	1.0			Final Weight/Volume:	10 mL
Analysis Date:	04/05/2012 2252			Injection Volume:	1 uL
Prep Date:	04/05/2012 0940			Result Type:	PRIMARY

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
PCB-1016		ND		39	200
PCB-1221		ND		39	200
PCB-1232		ND		39	200
PCB-1242		ND		44	200
PCB-1248		ND		39	200
PCB-1254		ND		42	200
PCB-1260		ND		94	200

Surrogate	%Rec	Qualifier	Acceptance Limits
DCB Decachlorobiphenyl	107		36 - 182
Tetrachloro-m-xylene	106		24 - 172

Client: CHA Inc

Job Number: 480-18068-1

Client Sample ID: **RB-06 (6"-12"**

Lab Sample ID: 480-18068-11
Client Matrix: Solid
% Moisture: 11.5

Date Sampled: 04/02/2012 1625
Date Received: 04/04/2012 0900

8082 Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analysis Method:	8082	Analysis Batch:	480-58319	Instrument ID:	HP5890-12
Prep Method:	3550B	Prep Batch:	480-58267	Initial Weight/Volume:	+2.82 g
Dilution:	1.0			Final Weight/Volume:	10 mL
Analysis Date:	04/05/2012 2252			Injection Volume:	1 uL
Prep Date:	04/05/2012 0940			Result Type:	SECONDARY

Surrogate	%Rec	Qualifier	Acceptance Limits
DCB Decachlorobiphenyl	123		36 - 182
Tetrachloro-m-xylene	113		24 - 172

Client: CHA Inc

Job Number: 480-18068-1

Client Sample ID: **RB-06 (12"-24")**

Lab Sample ID: 480-18068-12
Client Matrix: Solid
% Moisture: 11.1
Date Sampled: 04/02/2012 1635
Date Received: 04/04/2012 0900

8082 Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analysis Method:	8082	Analysis Batch:	480-58319	Instrument ID:	HP5890-12
Prep Method:	3550B	Prep Batch:	480-58267	Initial Weight/Volume:	+2.60 g
Dilution:	1.0			Final Weight/Volume:	10 mL
Analysis Date:	04/05/2012 2307			Injection Volume:	1 uL
Prep Date:	04/05/2012 0940			Result Type:	PRIMARY

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
PCB-1016		ND		42	220
PCB-1221		ND		42	220
PCB-1232		ND		42	220
PCB-1242		ND		47	220
PCB-1248		ND		42	220
PCB-1254		ND		46	220
PCB-1260		ND		100	220

Surrogate	%Rec	Qualifier	Acceptance Limits
DCB Decachlorobiphenyl	127		36 - 182
Tetrachloro-m-xylene	122		24 - 172

Client: CHA Inc

Job Number: 480-18068-1

Client Sample ID: **RB-06 (12"-24")**

Lab Sample ID: 480-18068-12
Client Matrix: Solid
% Moisture: 11.1

Date Sampled: 04/02/2012 1635
Date Received: 04/04/2012 0900

8082 Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analysis Method:	8082	Analysis Batch:	480-58319	Instrument ID:	HP5890-12
Prep Method:	3550B	Prep Batch:	480-58267	Initial Weight/Volume:	+2.60 g
Dilution:	1.0			Final Weight/Volume:	10 mL
Analysis Date:	04/05/2012 2307			Injection Volume:	1 uL
Prep Date:	04/05/2012 0940			Result Type:	SECONDARY

Surrogate	%Rec	Qualifier	Acceptance Limits
DCB Decachlorobiphenyl	144		36 - 182
Tetrachloro-m-xylene	130		24 - 172

Client: CHA Inc

Job Number: 480-18068-1

Client Sample ID: **RB-03 (0-6")**

Lab Sample ID: 480-18068-1
Client Matrix: Solid
% Moisture: 24.5
Date Sampled: 04/02/2012 1115
Date Received: 04/04/2012 0900

6010B Metals (ICP)

Analysis Method:	6010B	Analysis Batch:	480-58450	Instrument ID:	ICAP1
Prep Method:	3050B	Prep Batch:	480-58242	Lab File ID:	I1040512A-7.asc
Dilution:	1.0			Initial Weight/Volume:	+0.4775 g
Analysis Date:	04/05/2012 1916			Final Weight/Volume:	50 mL
Prep Date:	04/05/2012 1000				

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	RL
Aluminum		8280		6.1	13.9
Antimony		ND		0.75	20.8
Arsenic		6.0		0.55	2.8
Barium		78.8		0.15	0.69
Beryllium		0.52		0.039	0.28
Cadmium		0.31		0.042	0.28
Calcium		18800	B	4.6	69.3
Chromium		14.6		0.28	0.69
Cobalt		8.9		0.069	0.69
Copper		23.3		0.29	1.4
Iron		19700	B	1.5	13.9
Lead		18.5		0.33	1.4
Magnesium		6220		1.3	27.7
Manganese		632	B	0.044	0.28
Nickel		21.2		0.32	6.9
Potassium		1110		27.7	41.6
Selenium		ND		0.79	5.5
Silver		ND		0.28	0.69
Sodium		85.0	J B	18.0	194
Thallium		ND		0.42	8.3
Vanadium		17.6		0.15	0.69
Zinc		62.9		0.21	2.8

7471A Mercury (CVAA)

Analysis Method:	7471A	Analysis Batch:	480-58512	Instrument ID:	LEEMAN3
Prep Method:	7471A	Prep Batch:	480-58215	Lab File ID:	J04052S1A.PRN
Dilution:	1.0			Initial Weight/Volume:	+0.6116 g
Analysis Date:	04/05/2012 1141			Final Weight/Volume:	50 mL
Prep Date:	04/05/2012 0755				

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	RL
Hg		0.049		0.011	0.026

Client: CHA Inc

Job Number: 480-18068-1

Client Sample ID: **RB-03 (6"-12")**

Lab Sample ID: 480-18068-2
Client Matrix: Solid
% Moisture: 18.2

Date Sampled: 04/02/2012 1220
Date Received: 04/04/2012 0900

6010B Metals (ICP)

Analysis Method:	6010B	Analysis Batch:	480-58450	Instrument ID:	ICAP1
Prep Method:	3050B	Prep Batch:	480-58242	Lab File ID:	I1040512A-7.asc
Dilution:	1.0			Initial Weight/Volume:	+0.4918 g
Analysis Date:	04/05/2012 1918			Final Weight/Volume:	50 mL
Prep Date:	04/05/2012 1000				

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	RL
Aluminum		6810		5.5	12.4
Antimony		ND		0.67	18.7
Arsenic		7.1		0.50	2.5
Barium		93.1		0.14	0.62
Beryllium		0.45		0.035	0.25
Cadmium		0.47		0.037	0.25
Calcium		18200	B	4.1	62.2
Chromium		17.6		0.25	0.62
Cobalt		7.1		0.062	0.62
Copper		45.8		0.26	1.2
Iron		20300	B	1.4	12.4
Lead		64.5		0.30	1.2
Magnesium		5540		1.2	24.9
Manganese		465	B	0.040	0.25
Nickel		24.6		0.29	6.2
Potassium		962		24.9	37.3
Selenium		ND		0.71	5.0
Silver		ND		0.25	0.62
Sodium		132	J B	16.2	174
Thallium		ND		0.37	7.5
Vanadium		17.6		0.14	0.62
Zinc		191		0.19	2.5

7471A Mercury (CVAA)

Analysis Method:	7471A	Analysis Batch:	480-58512	Instrument ID:	LEEMAN3
Prep Method:	7471A	Prep Batch:	480-58215	Lab File ID:	J04052S1A.PRN
Dilution:	1.0			Initial Weight/Volume:	+0.6201 g
Analysis Date:	04/05/2012 1148			Final Weight/Volume:	50 mL
Prep Date:	04/05/2012 0755				

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	RL
Hg		0.28		0.0096	0.024

Client: CHA Inc

Job Number: 480-18068-1

Client Sample ID: **RB-03 (12"-24")**

Lab Sample ID: 480-18068-3
Client Matrix: Solid
% Moisture: 22.9
Date Sampled: 04/02/2012 1235
Date Received: 04/04/2012 0900

6010B Metals (ICP)

Analysis Method:	6010B	Analysis Batch:	480-58450	Instrument ID:	ICAP1
Prep Method:	3050B	Prep Batch:	480-58242	Lab File ID:	I1040512A-7.asc
Dilution:	1.0			Initial Weight/Volume:	+0.5209 g
Analysis Date:	04/05/2012 1921			Final Weight/Volume:	50 mL
Prep Date:	04/05/2012 1000				

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	RL
Aluminum		7330		5.5	12.4
Antimony		ND		0.67	18.7
Arsenic		5.4		0.50	2.5
Barium		72.9		0.14	0.62
Beryllium		0.48		0.035	0.25
Cadmium		0.28		0.037	0.25
Calcium		19500	B	4.1	62.2
Chromium		13.1		0.25	0.62
Cobalt		8.2		0.062	0.62
Copper		22.0		0.26	1.2
Iron		17800	B	1.4	12.4
Lead		18.0		0.30	1.2
Magnesium		6670		1.2	24.9
Manganese		468	B	0.040	0.25
Nickel		19.3		0.29	6.2
Potassium		972		24.9	37.3
Selenium		ND		0.71	5.0
Silver		ND		0.25	0.62
Sodium		68.2	J B	16.2	174
Thallium		ND		0.37	7.5
Vanadium		15.6		0.14	0.62
Zinc		58.2		0.19	2.5

7471A Mercury (CVAA)

Analysis Method:	7471A	Analysis Batch:	480-58512	Instrument ID:	LEEMAN3
Prep Method:	7471A	Prep Batch:	480-58215	Lab File ID:	J04052S1A.PRN
Dilution:	1.0			Initial Weight/Volume:	+0.6636 g
Analysis Date:	04/05/2012 1150			Final Weight/Volume:	50 mL
Prep Date:	04/05/2012 0755				

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	RL
Hg		0.052		0.0095	0.023

Client: CHA Inc

Job Number: 480-18068-1

Client Sample ID: **RB-04 (0-6")**

Lab Sample ID: 480-18068-4
Client Matrix: Solid
% Moisture: 25.4
Date Sampled: 04/02/2012 1405
Date Received: 04/04/2012 0900

6010B Metals (ICP)

Analysis Method:	6010B	Analysis Batch:	480-58450	Instrument ID:	ICAP1
Prep Method:	3050B	Prep Batch:	480-58242	Lab File ID:	I1040512A-7.asc
Dilution:	1.0			Initial Weight/Volume:	+0.4712 g
Analysis Date:	04/05/2012 1937			Final Weight/Volume:	50 mL
Prep Date:	04/05/2012 1000				

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	RL
Aluminum		7930		6.3	14.2
Antimony		ND		0.77	21.3
Arsenic		5.6		0.57	2.8
Barium		67.9		0.16	0.71
Beryllium		0.52		0.040	0.28
Cadmium		0.28		0.043	0.28
Calcium		18600	B	4.7	71.1
Chromium		13.8		0.28	0.71
Cobalt		8.0		0.071	0.71
Copper		18.6		0.30	1.4
Iron		18100	B	1.6	14.2
Lead		15.4		0.34	1.4
Magnesium		6460		1.3	28.5
Manganese		441	B	0.046	0.28
Nickel		18.8		0.33	7.1
Potassium		1090		28.5	42.7
Selenium		ND		0.81	5.7
Silver		ND		0.28	0.71
Sodium		80.3	J B	18.5	199
Thallium		ND		0.43	8.5
Vanadium		17.3		0.16	0.71
Zinc		62.5		0.22	2.8

7471A Mercury (CVAA)

Analysis Method:	7471A	Analysis Batch:	480-58512	Instrument ID:	LEEMAN3
Prep Method:	7471A	Prep Batch:	480-58215	Lab File ID:	J04052S1A.PRN
Dilution:	1.0			Initial Weight/Volume:	+0.6537 g
Analysis Date:	04/05/2012 1151			Final Weight/Volume:	50 mL
Prep Date:	04/05/2012 0755				

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	RL
Hg		0.042		0.010	0.025

Client: CHA Inc

Job Number: 480-18068-1

Client Sample ID: **RB-04 (6"-12"**

Lab Sample ID: 480-18068-5
Client Matrix: Solid
% Moisture: 25.9
Date Sampled: 04/02/2012 1422
Date Received: 04/04/2012 0900

6010B Metals (ICP)

Analysis Method:	6010B	Analysis Batch:	480-58450	Instrument ID:	ICAP1
Prep Method:	3050B	Prep Batch:	480-58242	Lab File ID:	I1040512A-7.asc
Dilution:	1.0			Initial Weight/Volume:	+0.4878 g
Analysis Date:	04/05/2012 1939			Final Weight/Volume:	50 mL
Prep Date:	04/05/2012 1000				

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	RL
Aluminum		7750		6.1	13.8
Antimony		ND		0.75	20.7
Arsenic		6.0		0.55	2.8
Barium		74.8		0.15	0.69
Beryllium		0.51		0.039	0.28
Cadmium		0.34		0.041	0.28
Calcium		26900	B	4.6	69.2
Chromium		17.2		0.28	0.69
Cobalt		8.3		0.069	0.69
Copper		21.9		0.29	1.4
Iron		18300	B	1.5	13.8
Lead		19.5		0.33	1.4
Magnesium		10400		1.3	27.7
Manganese		502	B	0.044	0.28
Nickel		20.0		0.32	6.9
Potassium		1080		27.7	41.5
Selenium		ND		0.79	5.5
Silver		ND		0.28	0.69
Sodium		85.9	J B	18.0	194
Thallium		ND		0.41	8.3
Vanadium		17.0		0.15	0.69
Zinc		67.7		0.21	2.8

7471A Mercury (CVAA)

Analysis Method:	7471A	Analysis Batch:	480-58512	Instrument ID:	LEEMAN3
Prep Method:	7471A	Prep Batch:	480-58215	Lab File ID:	J04052S1A.PRN
Dilution:	1.0			Initial Weight/Volume:	+0.6485 g
Analysis Date:	04/05/2012 1152			Final Weight/Volume:	50 mL
Prep Date:	04/05/2012 0755				

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	RL
Hg		0.060		0.010	0.025

Client: CHA Inc

Job Number: 480-18068-1

Client Sample ID: **RB-04 (12"-24")**

Lab Sample ID: 480-18068-6
Client Matrix: Solid
% Moisture: 26.2
Date Sampled: 04/02/2012 1435
Date Received: 04/04/2012 0900

6010B Metals (ICP)

Analysis Method:	6010B	Analysis Batch:	480-58450	Instrument ID:	ICAP1
Prep Method:	3050B	Prep Batch:	480-58242	Lab File ID:	I1040512A-7.asc
Dilution:	1.0			Initial Weight/Volume:	+0.4759 g
Analysis Date:	04/05/2012 1942			Final Weight/Volume:	50 mL
Prep Date:	04/05/2012 1000				

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	RL
Aluminum		8820		6.3	14.2
Antimony		ND		0.77	21.3
Arsenic		6.7		0.57	2.8
Barium		88.1		0.16	0.71
Beryllium		0.57		0.040	0.28
Cadmium		0.37		0.043	0.28
Calcium		25300	B	4.7	71.2
Chromium		16.1		0.28	0.71
Cobalt		9.3		0.071	0.71
Copper		23.9		0.30	1.4
Iron		20500	B	1.6	14.2
Lead		23.1		0.34	1.4
Magnesium		8530		1.3	28.5
Manganese		579	B	0.046	0.28
Nickel		22.1		0.33	7.1
Potassium		1240		28.5	42.7
Selenium		ND		0.81	5.7
Silver		ND		0.28	0.71
Sodium		89.1	J B	18.5	199
Thallium		ND		0.43	8.5
Vanadium		18.5		0.16	0.71
Zinc		72.7		0.22	2.8

7471A Mercury (CVAA)

Analysis Method:	7471A	Analysis Batch:	480-58512	Instrument ID:	LEEMAN3
Prep Method:	7471A	Prep Batch:	480-58215	Lab File ID:	J04052S1A.PRN
Dilution:	1.0			Initial Weight/Volume:	+0.6008 g
Analysis Date:	04/05/2012 1154			Final Weight/Volume:	50 mL
Prep Date:	04/05/2012 0755				

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	RL
Hg		0.057		0.011	0.027

Client: CHA Inc

Job Number: 480-18068-1

Client Sample ID: **RB-05 (0-6")**

Lab Sample ID: 480-18068-7
Client Matrix: Solid
% Moisture: 21.7
Date Sampled: 04/02/2012 1455
Date Received: 04/04/2012 0900

6010B Metals (ICP)

Analysis Method:	6010B	Analysis Batch:	480-58450	Instrument ID:	ICAP1
Prep Method:	3050B	Prep Batch:	480-58242	Lab File ID:	I1040512A-7.asc
Dilution:	1.0			Initial Weight/Volume:	+0.5316 g
Analysis Date:	04/05/2012 1944			Final Weight/Volume:	50 mL
Prep Date:	04/05/2012 1000				

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	RL
Aluminum		5810		5.3	12.0
Antimony		0.92	J	0.65	18.0
Arsenic		23.2		0.48	2.4
Barium		72.9		0.13	0.60
Beryllium		0.44		0.034	0.24
Cadmium		0.44		0.036	0.24
Calcium		9130	B	4.0	60.1
Chromium		21.0		0.24	0.60
Cobalt		8.7		0.060	0.60
Copper		241		0.25	1.2
Iron		38400	B	1.3	12.0
Lead		127		0.29	1.2
Magnesium		3270		1.1	24.0
Manganese		419	B	0.038	0.24
Nickel		22.4		0.28	6.0
Potassium		818		24.0	36.1
Selenium		ND		0.69	4.8
Silver		ND		0.24	0.60
Sodium		73.3	J B	15.6	168
Thallium		ND		0.36	7.2
Vanadium		22.3		0.13	0.60
Zinc		110		0.18	2.4

7471A Mercury (CVAA)

Analysis Method:	7471A	Analysis Batch:	480-58512	Instrument ID:	LEEMAN3
Prep Method:	7471A	Prep Batch:	480-58215	Lab File ID:	J04052S1A.PRN
Dilution:	1.0			Initial Weight/Volume:	+0.5943 g
Analysis Date:	04/05/2012 1155			Final Weight/Volume:	50 mL
Prep Date:	04/05/2012 0755				

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	RL
Hg		0.44		0.010	0.026

Client: CHA Inc

Job Number: 480-18068-1

Client Sample ID: **RB-05 (6"-12"**

Lab Sample ID: 480-18068-8
Client Matrix: Solid

% Moisture: 12.7

Date Sampled: 04/02/2012 1510
Date Received: 04/04/2012 0900

6010B Metals (ICP)

Analysis Method:	6010B	Analysis Batch:	480-58450	Instrument ID:	ICAP1
Prep Method:	3050B	Prep Batch:	480-58242	Lab File ID:	I1040512A-7.asc
Dilution:	1.0			Initial Weight/Volume:	+0.5218 g
Analysis Date:	04/05/2012 1947			Final Weight/Volume:	50 mL
Prep Date:	04/05/2012 1000				

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	RL
Aluminum		5290		4.8	11.0
Antimony		ND		0.59	16.5
Arsenic		15.1		0.44	2.2
Barium		61.3		0.12	0.55
Beryllium		0.45		0.031	0.22
Cadmium		0.28		0.033	0.22
Calcium		7200	B	3.6	54.9
Chromium		16.7		0.22	0.55
Cobalt		9.6		0.055	0.55
Copper		84.3		0.23	1.1
Lead		59.6		0.26	1.1
Magnesium		2460		1.0	22.0
Manganese		432	B	0.035	0.22
Nickel		21.4		0.25	5.5
Potassium		733		22.0	32.9
Selenium		ND		0.63	4.4
Silver		ND		0.22	0.55
Sodium		68.9	J B	14.3	154
Thallium		ND		0.33	6.6
Vanadium		17.8		0.12	0.55
Zinc		63.4		0.17	2.2

Analysis Method:	6010B	Analysis Batch:	480-58892	Instrument ID:	ICAP1
Prep Method:	3050B	Prep Batch:	480-58242	Lab File ID:	I1040912A-4.asc
Dilution:	5.0			Initial Weight/Volume:	+0.5218 g
Analysis Date:	04/09/2012 1911			Final Weight/Volume:	50 mL
Prep Date:	04/05/2012 1000				

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	RL
Iron		50700	B	6.0	54.9

7471A Mercury (CVAA)

Analysis Method:	7471A	Analysis Batch:	480-58512	Instrument ID:	LEEMAN3
Prep Method:	7471A	Prep Batch:	480-58215	Lab File ID:	J04052S1A.PRN
Dilution:	1.0			Initial Weight/Volume:	+0.5839 g
Analysis Date:	04/05/2012 1156			Final Weight/Volume:	50 mL
Prep Date:	04/05/2012 0755				

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	RL
Hg		0.29		0.0095	0.024

Client: CHA Inc

Job Number: 480-18068-1

Client Sample ID: **RB-05 (12"-24")**

Lab Sample ID: 480-18068-9
Client Matrix: Solid
% Moisture: 15.6
Date Sampled: 04/02/2012 1525
Date Received: 04/04/2012 0900

6010B Metals (ICP)

Analysis Method:	6010B	Analysis Batch:	480-58450	Instrument ID:	ICAP1
Prep Method:	3050B	Prep Batch:	480-58242	Lab File ID:	I1040512A-7.asc
Dilution:	1.0			Initial Weight/Volume:	+0.5405 g
Analysis Date:	04/05/2012 1949			Final Weight/Volume:	50 mL
Prep Date:	04/05/2012 1000				

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	RL
Aluminum		5370		4.8	11.0
Antimony		ND		0.59	16.4
Arsenic		12.0		0.44	2.2
Barium		56.2		0.12	0.55
Beryllium		0.45		0.031	0.22
Cadmium		0.25		0.033	0.22
Calcium		4510	B	3.6	54.8
Chromium		15.8		0.22	0.55
Cobalt		8.0		0.055	0.55
Copper		83.2		0.23	1.1
Iron		22400	B	1.2	11.0
Lead		71.7		0.26	1.1
Magnesium		2000		1.0	21.9
Manganese		331	B	0.035	0.22
Nickel		18.9		0.25	5.5
Potassium		790		21.9	32.9
Selenium		ND		0.62	4.4
Silver		ND		0.22	0.55
Sodium		64.9	J B	14.2	153
Thallium		ND		0.33	6.6
Vanadium		19.1		0.12	0.55
Zinc		65.1		0.17	2.2

7471A Mercury (CVAA)

Analysis Method:	7471A	Analysis Batch:	480-58512	Instrument ID:	LEEMAN3
Prep Method:	7471A	Prep Batch:	480-58215	Lab File ID:	J04052S1A.PRN
Dilution:	1.0			Initial Weight/Volume:	+0.5876 g
Analysis Date:	04/05/2012 1157			Final Weight/Volume:	50 mL
Prep Date:	04/05/2012 0755				

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	RL
Hg		0.30		0.0098	0.024

Client: CHA Inc

Job Number: 480-18068-1

Client Sample ID: **RB-06 (0-6")**

Lab Sample ID: 480-18068-10
Client Matrix: Solid
% Moisture: 10.1
Date Sampled: 04/02/2012 1610
Date Received: 04/04/2012 0900

6010B Metals (ICP)

Analysis Method:	6010B	Analysis Batch:	480-58450	Instrument ID:	ICAP1
Prep Method:	3050B	Prep Batch:	480-58242	Lab File ID:	I1040512A-7.asc
Dilution:	1.0			Initial Weight/Volume:	+0.5248 g
Analysis Date:	04/05/2012 1951			Final Weight/Volume:	50 mL
Prep Date:	04/05/2012 1000				

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	RL
Aluminum		4550		4.7	10.6
Antimony		2.0	J	0.57	15.9
Arsenic		55.3		0.42	2.1
Barium		77.8		0.12	0.53
Beryllium		0.44		0.030	0.21
Cadmium		0.30		0.032	0.21
Calcium		26900	B	3.5	53.0
Chromium		23.8		0.21	0.53
Cobalt		7.3		0.053	0.53
Copper		147		0.22	1.1
Iron		30000	B	1.2	10.6
Lead		142		0.25	1.1
Magnesium		1950		0.98	21.2
Manganese		327	B	0.034	0.21
Nickel		26.3		0.24	5.3
Potassium		655		21.2	31.8
Selenium		1.2	J	0.60	4.2
Silver		ND		0.21	0.53
Sodium		75.2	J B	13.8	148
Thallium		ND		0.32	6.4
Vanadium		17.4		0.12	0.53
Zinc		98.5		0.16	2.1

7471A Mercury (CVAA)

Analysis Method:	7471A	Analysis Batch:	480-58512	Instrument ID:	LEEMAN3
Prep Method:	7471A	Prep Batch:	480-58215	Lab File ID:	J04052S1A.PRN
Dilution:	10			Initial Weight/Volume:	+0.6498 g
Analysis Date:	04/05/2012 1235			Final Weight/Volume:	50 mL
Prep Date:	04/05/2012 0755				

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	RL
Hg		3.0		0.083	0.21

Client: CHA Inc

Job Number: 480-18068-1

Client Sample ID: **RB-06 (6"-12"**

Lab Sample ID: 480-18068-11
Client Matrix: Solid
% Moisture: 11.5
Date Sampled: 04/02/2012 1625
Date Received: 04/04/2012 0900

6010B Metals (ICP)

Analysis Method:	6010B	Analysis Batch:	480-58450	Instrument ID:	ICAP1
Prep Method:	3050B	Prep Batch:	480-58242	Lab File ID:	I1040512A-7.asc
Dilution:	1.0			Initial Weight/Volume:	+0.4626 g
Analysis Date:	04/05/2012 1953			Final Weight/Volume:	50 mL
Prep Date:	04/05/2012 1000				

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	RL
Aluminum		5100		5.4	12.2
Antimony		4.6	J	0.66	18.3
Arsenic		35.2		0.49	2.4
Barium		83.4		0.13	0.61
Beryllium		0.49		0.034	0.24
Cadmium		0.37		0.037	0.24
Calcium		5340	B	4.0	61.1
Chromium		16.7		0.24	0.61
Cobalt		7.4		0.061	0.61
Copper		113		0.26	1.2
Iron		28700	B	1.3	12.2
Magnesium		1860		1.1	24.4
Manganese		299	B	0.039	0.24
Nickel		22.6		0.28	6.1
Potassium		733		24.4	36.7
Selenium		ND		0.70	4.9
Silver		ND		0.24	0.61
Sodium		76.3	J B	15.9	171
Thallium		ND		0.37	7.3
Vanadium		18.0		0.13	0.61
Zinc		75.3		0.19	2.4

Analysis Method:	6010B	Analysis Batch:	480-58892	Instrument ID:	ICAP1
Prep Method:	3050B	Prep Batch:	480-58242	Lab File ID:	I1040912A-4.asc
Dilution:	5.0			Initial Weight/Volume:	+0.4626 g
Analysis Date:	04/09/2012 1919			Final Weight/Volume:	50 mL
Prep Date:	04/05/2012 1000				

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	RL
Lead		9840		1.5	6.1

7471A Mercury (CVAA)

Analysis Method:	7471A	Analysis Batch:	480-58512	Instrument ID:	LEEMAN3
Prep Method:	7471A	Prep Batch:	480-58215	Lab File ID:	J04052S1A.PRN
Dilution:	10			Initial Weight/Volume:	+0.6165 g
Analysis Date:	04/05/2012 1237			Final Weight/Volume:	50 mL
Prep Date:	04/05/2012 0755				

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	RL
Hg		2.4		0.089	0.22

Client: CHA Inc

Job Number: 480-18068-1

Client Sample ID: **RB-06 (12"-24")**

Lab Sample ID: 480-18068-12
Client Matrix: Solid
% Moisture: 11.1
Date Sampled: 04/02/2012 1635
Date Received: 04/04/2012 0900

6010B Metals (ICP)

Analysis Method:	6010B	Analysis Batch:	480-58450	Instrument ID:	ICAP1
Prep Method:	3050B	Prep Batch:	480-58242	Lab File ID:	I1040512A-7.asc
Dilution:	1.0			Initial Weight/Volume:	+0.5007 g
Analysis Date:	04/05/2012 1956			Final Weight/Volume:	50 mL
Prep Date:	04/05/2012 1000				

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	RL
Aluminum		5610		4.9	11.2
Antimony		2.1	J	0.61	16.9
Arsenic		40.8		0.45	2.2
Barium		84.0		0.12	0.56
Beryllium		0.58		0.031	0.22
Cadmium		0.30		0.034	0.22
Calcium		6170	B	3.7	56.2
Chromium		24.0		0.22	0.56
Cobalt		7.5		0.056	0.56
Copper		199		0.24	1.1
Lead		347		0.27	1.1
Magnesium		2120		1.0	22.5
Manganese		362	B	0.036	0.22
Nickel		26.0		0.26	5.6
Potassium		857		22.5	33.7
Selenium		ND		0.64	4.5
Silver		ND		0.22	0.56
Sodium		102	J B	14.6	157
Thallium		ND		0.34	6.7
Vanadium		21.8		0.12	0.56
Zinc		82.2		0.17	2.2

Analysis Method:	6010B	Analysis Batch:	480-58892	Instrument ID:	ICAP1
Prep Method:	3050B	Prep Batch:	480-58242	Lab File ID:	I1040912A-4.asc
Dilution:	5.0			Initial Weight/Volume:	+0.5007 g
Analysis Date:	04/09/2012 1921			Final Weight/Volume:	50 mL
Prep Date:	04/05/2012 1000				

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	RL
Iron		51600	B	6.2	56.2

7471A Mercury (CVAA)

Analysis Method:	7471A	Analysis Batch:	480-58512	Instrument ID:	LEEMAN3
Prep Method:	7471A	Prep Batch:	480-58215	Lab File ID:	J04052S1A.PRN
Dilution:	10			Initial Weight/Volume:	+0.5906 g
Analysis Date:	04/05/2012 1238			Final Weight/Volume:	50 mL
Prep Date:	04/05/2012 0755				

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	RL
Hg		1.8		0.093	0.23

General Chemistry

Client Sample ID: **RB-03 (0-6")**

Lab Sample ID: 480-18068-1

Client Matrix: Solid

Date Sampled: 04/02/2012 1115

Date Received: 04/04/2012 0900

Analyte	Result	Qual	Units	RL	RL	Dil	Method
Percent Moisture	24		%	0.10	0.10	1.0	Moisture
Analysis Batch: 480-58314	Analysis Date: 04/05/2012 1121						DryWt Corrected: N
Percent Solids	76		%	0.10	0.10	1.0	Moisture
Analysis Batch: 480-58314	Analysis Date: 04/05/2012 1121						DryWt Corrected: N

General Chemistry

Client Sample ID: **RB-03 (6"-12")**

Lab Sample ID: 480-18068-2

Client Matrix: Solid

Date Sampled: 04/02/2012 1220

Date Received: 04/04/2012 0900

Analyte	Result	Qual	Units	RL	RL	Dil	Method
Percent Moisture	18		%	0.10	0.10	1.0	Moisture
Analysis Batch: 480-58314	Analysis Date: 04/05/2012 1121						DryWt Corrected: N
Percent Solids	82		%	0.10	0.10	1.0	Moisture
Analysis Batch: 480-58314	Analysis Date: 04/05/2012 1121						DryWt Corrected: N

General Chemistry

Client Sample ID: **RB-03 (12"-24")**

Lab Sample ID: 480-18068-3

Client Matrix: Solid

Date Sampled: 04/02/2012 1235

Date Received: 04/04/2012 0900

Analyte	Result	Qual	Units	RL	RL	Dil	Method
Percent Moisture	23		%	0.10	0.10	1.0	Moisture
Analysis Batch: 480-58314	Analysis Date: 04/05/2012 1121						DryWt Corrected: N
Percent Solids	77		%	0.10	0.10	1.0	Moisture
Analysis Batch: 480-58314	Analysis Date: 04/05/2012 1121						DryWt Corrected: N

General Chemistry

Client Sample ID: **RB-04 (0-6")**

Lab Sample ID: 480-18068-4

Client Matrix: Solid

Date Sampled: 04/02/2012 1405

Date Received: 04/04/2012 0900

Analyte	Result	Qual	Units	RL	RL	Dil	Method
Percent Moisture	25		%	0.10	0.10	1.0	Moisture
Analysis Batch: 480-58314	Analysis Date: 04/05/2012 1121						DryWt Corrected: N
Percent Solids	75		%	0.10	0.10	1.0	Moisture
Analysis Batch: 480-58314	Analysis Date: 04/05/2012 1121						DryWt Corrected: N

General Chemistry

Client Sample ID: **RB-04 (6"-12"**

Lab Sample ID: 480-18068-5

Client Matrix: Solid

Date Sampled: 04/02/2012 1422

Date Received: 04/04/2012 0900

Analyte	Result	Qual	Units	RL	RL	Dil	Method
Percent Moisture	26		%	0.10	0.10	1.0	Moisture
Analysis Batch: 480-58314	Analysis Date: 04/05/2012 1121						DryWt Corrected: N
Percent Solids	74		%	0.10	0.10	1.0	Moisture
Analysis Batch: 480-58314	Analysis Date: 04/05/2012 1121						DryWt Corrected: N

General Chemistry

Client Sample ID: **RB-04 (12"-24")**

Lab Sample ID: 480-18068-6

Client Matrix: Solid

Date Sampled: 04/02/2012 1435

Date Received: 04/04/2012 0900

Analyte	Result	Qual	Units	RL	RL	Dil	Method
Percent Moisture	26		%	0.10	0.10	1.0	Moisture
Analysis Batch: 480-58314	Analysis Date: 04/05/2012 1121						DryWt Corrected: N
Percent Solids	74		%	0.10	0.10	1.0	Moisture
Analysis Batch: 480-58314	Analysis Date: 04/05/2012 1121						DryWt Corrected: N

General Chemistry

Client Sample ID: **RB-05 (0-6")**

Lab Sample ID: 480-18068-7

Client Matrix: Solid

Date Sampled: 04/02/2012 1455

Date Received: 04/04/2012 0900

Analyte	Result	Qual	Units	RL	RL	Dil	Method
Percent Moisture	22		%	0.10	0.10	1.0	Moisture
Analysis Batch: 480-58314	Analysis Date: 04/05/2012 1121						DryWt Corrected: N
Percent Solids	78		%	0.10	0.10	1.0	Moisture
Analysis Batch: 480-58314	Analysis Date: 04/05/2012 1121						DryWt Corrected: N

General Chemistry

Client Sample ID: **RB-05 (6"-12"**

Lab Sample ID: 480-18068-8

Client Matrix: Solid

Date Sampled: 04/02/2012 1510

Date Received: 04/04/2012 0900

Analyte	Result	Qual	Units	RL	RL	Dil	Method
Percent Moisture	13		%	0.10	0.10	1.0	Moisture
Analysis Batch: 480-58314	Analysis Date: 04/05/2012 1121						DryWt Corrected: N
Percent Solids	87		%	0.10	0.10	1.0	Moisture
Analysis Batch: 480-58314	Analysis Date: 04/05/2012 1121						DryWt Corrected: N

General Chemistry

Client Sample ID: **RB-05 (12"-24")**

Lab Sample ID: 480-18068-9

Client Matrix: Solid

Date Sampled: 04/02/2012 1525

Date Received: 04/04/2012 0900

Analyte	Result	Qual	Units	RL	RL	Dil	Method
Percent Moisture	16		%	0.10	0.10	1.0	Moisture
Analysis Batch: 480-58314	Analysis Date: 04/05/2012 1121						DryWt Corrected: N
Percent Solids	84		%	0.10	0.10	1.0	Moisture
Analysis Batch: 480-58314	Analysis Date: 04/05/2012 1121						DryWt Corrected: N

General Chemistry

Client Sample ID: **RB-06 (0-6")**

Lab Sample ID: 480-18068-10

Client Matrix: Solid

Date Sampled: 04/02/2012 1610

Date Received: 04/04/2012 0900

Analyte	Result	Qual	Units	RL	RL	Dil	Method
Percent Moisture	10		%	0.10	0.10	1.0	Moisture
Analysis Batch: 480-58314	Analysis Date: 04/05/2012 1121						DryWt Corrected: N
Percent Solids	90		%	0.10	0.10	1.0	Moisture
Analysis Batch: 480-58314	Analysis Date: 04/05/2012 1121						DryWt Corrected: N

General Chemistry

Client Sample ID: **RB-06 (6"-12"**

Lab Sample ID: 480-18068-11

Client Matrix: Solid

Date Sampled: 04/02/2012 1625

Date Received: 04/04/2012 0900

Analyte	Result	Qual	Units	RL	RL	Dil	Method
Percent Moisture	12		%	0.10	0.10	1.0	Moisture
Analysis Batch: 480-58314	Analysis Date: 04/05/2012 1121						DryWt Corrected: N
Percent Solids	88		%	0.10	0.10	1.0	Moisture
Analysis Batch: 480-58314	Analysis Date: 04/05/2012 1121						DryWt Corrected: N

General Chemistry

Client Sample ID: **RB-06 (12"-24")**

Lab Sample ID: 480-18068-12

Client Matrix: Solid

Date Sampled: 04/02/2012 1635

Date Received: 04/04/2012 0900

Analyte	Result	Qual	Units	RL	RL	Dil	Method
Percent Moisture	11		%	0.10	0.10	1.0	Moisture
Analysis Batch: 480-58314	Analysis Date: 04/05/2012 1121						DryWt Corrected: N
Percent Solids	89		%	0.10	0.10	1.0	Moisture
Analysis Batch: 480-58314	Analysis Date: 04/05/2012 1121						DryWt Corrected: N

General Chemistry

Client Sample ID: **SB-A1 (15'-15'8")**

Lab Sample ID: 480-18068-13

Client Matrix: Solid

Date Sampled: 04/03/2012 0905

Date Received: 04/04/2012 0900

Analyte	Result	Qual	Units	RL	RL	Dil	Method
Percent Moisture	17		%	0.10	0.10	1.0	Moisture
Analysis Batch: 480-58314	Analysis Date: 04/05/2012 1121						DryWt Corrected: N
Percent Solids	83		%	0.10	0.10	1.0	Moisture
Analysis Batch: 480-58314	Analysis Date: 04/05/2012 1121						DryWt Corrected: N

General Chemistry

Client Sample ID: **SB-A2 (10'-11')**

Lab Sample ID: 480-18068-14

Client Matrix: Solid

Date Sampled: 04/03/2012 0958

Date Received: 04/04/2012 0900

Analyte	Result	Qual	Units	RL	RL	Dil	Method
Percent Moisture	8.1		%	0.10	0.10	1.0	Moisture
Analysis Batch: 480-58314	Analysis Date: 04/05/2012 1121						DryWt Corrected: N
Percent Solids	92		%	0.10	0.10	1.0	Moisture
Analysis Batch: 480-58314	Analysis Date: 04/05/2012 1121						DryWt Corrected: N

General Chemistry

Client Sample ID: **SB-A3 (5'-6'1")**

Lab Sample ID: 480-18068-15

Client Matrix: Solid

Date Sampled: 04/03/2012 1148

Date Received: 04/04/2012 0900

Analyte	Result	Qual	Units	RL	RL	Dil	Method
Percent Moisture	6.5		%	0.10	0.10	1.0	Moisture
Analysis Batch: 480-58314	Analysis Date: 04/05/2012 1121						DryWt Corrected: N
Percent Solids	94		%	0.10	0.10	1.0	Moisture
Analysis Batch: 480-58314	Analysis Date: 04/05/2012 1121						DryWt Corrected: N

General Chemistry

Client Sample ID: **DUP-03**

Lab Sample ID: 480-18068-16

Client Matrix: Solid

Date Sampled: 04/03/2012 1030

Date Received: 04/04/2012 0900

Analyte	Result	Qual	Units	RL	RL	Dil	Method
Percent Moisture	12		%	0.10	0.10	1.0	Moisture
Analysis Batch: 480-58314	Analysis Date: 04/05/2012 1121						DryWt Corrected: N
Percent Solids	88		%	0.10	0.10	1.0	Moisture
Analysis Batch: 480-58314	Analysis Date: 04/05/2012 1121						DryWt Corrected: N

Client: CHA Inc

Job Number: 480-18068-1

Surrogate Recovery Report

8260B Volatile Organic Compounds (GC/MS)

Client Matrix: Solid

Lab Sample ID	Client Sample ID	DCA %Rec	TOL %Rec	BFB %Rec
480-18068-1	RB-03 (0-6")	98	103	99
480-18068-2	RB-03 (6"-12")	101	105	100
480-18068-3	RB-03 (12"-24")	114	100	101
480-18068-4	RB-04 (0-6")	102	106	100
480-18068-5	RB-04 (6"-12"	101	104	98
480-18068-6	RB-04 (12"-24")	98	103	97
480-18068-7	RB-05 (0-6")	102	107	99
480-18068-8	RB-05 (6"-12"	100	106	96
480-18068-9	RB-05 (12"-24")	101	104	97
480-18068-10	RB-06 (0-6")	99	105	97
480-18068-11	RB-06 (6"-12"	102	106	97
480-18068-12	RB-06 (12"-24")	102	104	96
480-18068-13	SB-A1 (15'-15'8")	101	107	91
480-18068-14	SB-A2 (10'-11')	102	106	96
480-18068-15	SB-A3 (5'-6'1")	102	103	98
480-18068-16	DUP-03	96	110	106
MB 480-58567/5		94	105	100
MB 480-58856/6		89	108	107
LCS 480-58567/4		96	104	100
LCS 480-58856/5		96	108	109
480-18068-15 MS	SB-A3 (5'-6'1") MS	92	104	97
480-18068-15 MSD	SB-A3 (5'-6'1") MSD	92	104	97

Surrogate	Acceptance Limits
DCA = 1,2-Dichloroethane-d4 (Surr)	64-126
TOL = Toluene-d8 (Surr)	71-125
BFB = 4-Bromofluorobenzene (Surr)	72-126

Client: CHA Inc

Job Number: 480-18068-1

Surrogate Recovery Report

8260B Volatile Organic Compounds (GC/MS)

Client Matrix: Water

Lab Sample ID	Client Sample ID	DCA %Rec	TOL %Rec	BFB %Rec
480-18068-17	EQUIPMENT BLANK	104	108	109
480-18068-18	TRIP BLANK	107	110	110
MB 480-58634/5		108	110	110
LCS 480-58634/4		108	112	113

Surrogate	Acceptance Limits
DCA = 1,2-Dichloroethane-d4 (Surr)	66-137
TOL = Toluene-d8 (Surr)	71-126
BFB = 4-Bromofluorobenzene (Surr)	73-120

Client: CHA Inc

Job Number: 480-18068-1

Surrogate Recovery Report

8270C Semivolatile Organic Compounds (GC/MS)

Client Matrix: Solid

Lab Sample ID	Client Sample ID	2FP %Rec	PHL %Rec	NBZ %Rec	FBP %Rec	TBP %Rec	TPH %Rec
480-18068-1	RB-03 (0-6")	58	67	66	73	96	92
480-18068-2	RB-03 (6"-12")	55	67	72	71	92	98
480-18068-3	RB-03 (12"-24")	61	68	71	75	92	94
480-18068-4	RB-04 (0-6")	63	70	73	80	107	109
480-18068-5	RB-04 (6"-12"	56	63	67	72	98	106
480-18068-6	RB-04 (12"-24")	55	66	74	70	100	111
480-18068-7	RB-05 (0-6")	59	68	80	82	84	78
480-18068-8	RB-05 (6"-12"	65	73	74	82	92	101
480-18068-9	RB-05 (12"-24")	75	85	82	97	94	113
480-18068-10	RB-06 (0-6")	70	80	77	88	87	95
480-18068-11	RB-06 (6"-12"	73	85	84	92	90	103
480-18068-12	RB-06 (12"-24")	75	84	83	98	91	107
480-18068-13	SB-A1 (15'-15'8")	85	99	95	109	100	121
480-18068-14	SB-A2 (10'-11')	69	82	80	93	98	108
480-18068-15	SB-A3 (5'-6'1")	65	71	76	78	95	93
480-18068-16	DUP-03	64	71	77	79	94	92
MB 480-58302/1-A		86	89	103	98	119	136
LCS 480-58302/2-A		83	86	106	93	112	113
480-18068-15 MS	SB-A3 (5'-6'1") MS	81	87	102	97	127	94
480-18068-15 MSD	SB-A3 (5'-6'1") MSD	84	87	94	94	128	99

Surrogate	Acceptance Limits
2FP = 2-Fluorophenol	18-120
PHL = Phenol-d5	11-120
NBZ = Nitrobenzene-d5	34-132
FBP = 2-Fluorobiphenyl	37-120
TBP = 2,4,6-Tribromophenol	39-146
TPH = p-Terphenyl-d14	65-153

Client: CHA Inc

Job Number: 480-18068-1

Surrogate Recovery Report

8270C Semivolatile Organic Compounds (GC/MS)

Client Matrix: Water

Lab Sample ID	Client Sample ID	2FP %Rec	PHL %Rec	NBZ %Rec	FBP %Rec	TBP %Rec	TPH %Rec
480-18068-17	EQUIPMENT BLANK	35	25	77	88	124	105
MB 480-58223/1-A		35	23	66	69	98	117
LCS 480-58223/2-A		46	33	83	86	101	94

Surrogate	Acceptance Limits
2FP = 2-Fluorophenol	20-120
PHL = Phenol-d5	16-120
NBZ = Nitrobenzene-d5	46-120
FBP = 2-Fluorobiphenyl	48-120
TBP = 2,4,6-Tribromophenol	52-132
TPH = p-Terphenyl-d14	67-150

Client: CHA Inc

Job Number: 480-18068-1

Surrogate Recovery Report

8082 Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Client Matrix: Solid

Lab Sample ID	Client Sample ID	TCX1 %Rec	TCX2 %Rec	DCB1 %Rec	DCB2 %Rec
480-18068-1	RB-03 (0-6")	90	84	93	81
480-18068-2	RB-03 (6"-12")	118	112	124	105
480-18068-3	RB-03 (12"-24")	108	102	104	88
480-18068-4	RB-04 (0-6")	122	115	123	105
480-18068-5	RB-04 (6"-12"	103	96	106	89
480-18068-6	RB-04 (12"-24")	104	100	105	89
480-18068-7	RB-05 (0-6")	123	116	125	111
480-18068-8	RB-05 (6"-12"	89	83	95	82
480-18068-9	RB-05 (12"-24")	116	109	119	104
480-18068-10	RB-06 (0-6")	131	122	142	120
480-18068-11	RB-06 (6"-12"	113	106	123	107
480-18068-12	RB-06 (12"-24")	130	122	144	127
MB 480-58267/1-A		140	136	157	134
LCS 480-58267/2-A		182X	160	184X	157
480-18068-12 MS	RB-06 (12"-24") MS	174X	153	184X	163
480-18068-12 MSD	RB-06 (12"-24") MSD	176X	153	184X	163

Surrogate	Acceptance Limits
TCX = Tetrachloro-m-xylene	24-172
DCB = DCB Decachlorobiphenyl	36-182

Client: CHA Inc

Job Number: 480-18068-1

Matrix Spike/
Matrix Spike Duplicate Recovery Report - Batch: 480-58373

Method: 8260B
Preparation: 5035

MS Lab Sample ID:	480-18068-15	Analysis Batch:	480-58567	Instrument ID:	HP5973F
Client Matrix:	Solid	Prep Batch:	480-58373	Lab File ID:	F7897.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	5.29 g
Analysis Date:	04/07/2012 0554			Final Weight/Volume:	5 mL
Prep Date:	04/05/2012 1551				
Leach Date:	N/A				

MSD Lab Sample ID:	480-18068-15	Analysis Batch:	480-58567	Instrument ID:	HP5973F
Client Matrix:	Solid	Prep Batch:	480-58373	Lab File ID:	F7898.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	4.93 g
Analysis Date:	04/07/2012 0619			Final Weight/Volume:	5 mL
Prep Date:	04/05/2012 1551				
Leach Date:	N/A				

	% Rec.						
Analyte	MS	MSD	Limit	RPD	RPD Limit	MS Qual	MSD Qual
1,1-Dichloroethane	87	90	79 - 126	10	30		
1,1-Dichloroethene	76	79	65 - 153	10	30		
1,2-Dichlorobenzene	78	80	75 - 120	10	30		
1,2-Dichloroethane	79	79	77 - 122	7	30		
Benzene	88	90	79 - 127	10	30		
Chlorobenzene	83	84	76 - 124	9	30		
cis-1,2-Dichloroethene	87	90	81 - 117	10	30		
Ethylbenzene	84	87	80 - 120	11	30		
Methyl tert-butyl ether	75	75	63 - 125	7	30		
Tetrachloroethene	81	83	74 - 122	10	30		
Toluene	86	89	74 - 128	11	30		
trans-1,2-Dichloroethene	90	93	78 - 126	11	30		
Trichloroethene	83	87	77 - 129	12	30		

Surrogate	MS % Rec	MSD % Rec	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	92	92	64 - 126
Toluene-d8 (Surr)	104	104	71 - 125
4-Bromofluorobenzene (Surr)	97	97	72 - 126

Client: CHA Inc

Job Number: 480-18068-1

Matrix Spike/
Matrix Spike Duplicate Recovery Report - Batch: 480-58373

Method: 8260B
Preparation: 5035

MS Lab Sample ID:	480-18068-15	Units: ug/Kg	MSD Lab Sample ID:	480-18068-15	
Client Matrix:	Solid		Client Matrix:	Solid	
Dilution:	1.0		Dilution:	1.0	
Analysis Date:	04/07/2012 0554		Analysis Date:	04/07/2012 0619	
Prep Date:	04/05/2012 1551		Prep Date:	04/05/2012 1551	
Leach Date:	N/A		Leach Date:	N/A	

Analyte	Sample Result/Qual	MS Spike Amount	MSD Spike Amount	MS Result/Qual	MSD Result/Qual
1,1-Dichloroethane	ND	50.5	54.2	43.9	48.6
1,1-Dichloroethene	ND	50.5	54.2	38.6	42.7
1,2-Dichlorobenzene	ND	50.5	54.2	39.4	43.5
1,2-Dichloroethane	ND	50.5	54.2	40.0	42.9
Benzene	ND	50.5	54.2	44.5	48.9
Chlorobenzene	ND	50.5	54.2	41.7	45.8
cis-1,2-Dichloroethene	ND	50.5	54.2	44.0	48.8
Ethylbenzene	ND	50.5	54.2	42.6	47.4
Methyl tert-butyl ether	ND	50.5	54.2	37.8	40.6
Tetrachloroethene	ND	50.5	54.2	40.8	45.2
Toluene	ND	50.5	54.2	43.3	48.3
trans-1,2-Dichloroethene	ND	50.5	54.2	45.5	50.6
Trichloroethene	ND	50.5	54.2	42.0	47.3

Client: CHA Inc

Job Number: 480-18068-1

Method Blank - Batch: 480-58567

Method: 8260B
Preparation: N/A

Lab Sample ID:	MB 480-58567/5	Analysis Batch:	480-58567	Instrument ID:	HP5973F
Client Matrix:	Solid	Prep Batch:	N/A	Lab File ID:	F7881.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	5 g
Analysis Date:	04/06/2012 2252	Units:	ug/Kg	Final Weight/Volume:	5 mL
Prep Date:	N/A				
Leach Date:	N/A				

Analyte	Result	Qual	MDL	RL
1,1,1-Trichloroethane	ND		0.36	5.0
1,1,2,2-Tetrachloroethane	ND		0.81	5.0
1,1,2-Trichloroethane	ND		0.65	5.0
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		1.1	5.0
1,1-Dichloroethane	ND		0.61	5.0
1,1-Dichloroethene	ND		0.61	5.0
1,2,4-Trichlorobenzene	ND		0.30	5.0
1,2-Dibromo-3-Chloropropane	ND		2.5	5.0
1,2-Dibromoethane	ND		0.64	5.0
1,2-Dichlorobenzene	ND		0.39	5.0
1,2-Dichloroethane	ND		0.25	5.0
1,2-Dichloropropane	ND		2.5	5.0
1,3-Dichlorobenzene	ND		0.26	5.0
1,4-Dichlorobenzene	ND		0.70	5.0
2-Hexanone	ND		2.5	25
2-Butanone (MEK)	ND		1.8	25
4-Methyl-2-pentanone (MIBK)	ND		1.6	25
Acetone	ND		4.2	25
Benzene	ND		0.25	5.0
Bromodichloromethane	ND		0.67	5.0
Bromoform	ND		2.5	5.0
Bromomethane	ND		0.45	5.0
Carbon disulfide	ND		2.5	5.0
Carbon tetrachloride	ND		0.48	5.0
Chlorobenzene	ND		0.66	5.0
Dibromochloromethane	ND		0.64	5.0
Chloroethane	ND		1.1	5.0
Chloroform	ND		0.31	5.0
Chloromethane	ND		0.30	5.0
cis-1,2-Dichloroethene	ND		0.64	5.0
cis-1,3-Dichloropropene	ND		0.72	5.0
Cyclohexane	ND		0.70	5.0
Dichlorodifluoromethane	ND		0.41	5.0
Ethylbenzene	ND		0.35	5.0
Isopropylbenzene	ND		0.75	5.0
Methyl acetate	ND		0.93	5.0
Methyl tert-butyl ether	ND		0.49	5.0
Methylcyclohexane	ND		0.76	5.0
Methylene Chloride	ND		2.3	5.0
Styrene	ND		0.25	5.0
Tetrachloroethene	ND		0.67	5.0
Toluene	ND		0.38	5.0
trans-1,2-Dichloroethene	ND		0.52	5.0
trans-1,3-Dichloropropene	ND		2.2	5.0
Trichloroethene	ND		1.1	5.0

Method Blank - Batch: 480-58567

Method: 8260B
Preparation: N/A

Lab Sample ID:	MB 480-58567/5	Analysis Batch:	480-58567	Instrument ID:	HP5973F
Client Matrix:	Solid	Prep Batch:	N/A	Lab File ID:	F7881.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	5 g
Analysis Date:	04/06/2012 2252	Units:	ug/Kg	Final Weight/Volume:	5 mL
Prep Date:	N/A				
Leach Date:	N/A				

Analyte	Result	Qual	MDL	RL
Trichlorofluoromethane	ND		0.47	5.0
Vinyl chloride	ND		0.61	5.0
Xylenes, Total	0.859	J	0.84	10

Surrogate	% Rec	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	94	64 - 126
Toluene-d8 (Surr)	105	71 - 125
4-Bromofluorobenzene (Surr)	100	72 - 126

Method Blank TICs- Batch: 480-58567

Cas Number	Analyte	RT	Est. Result	Qual
	Tentatively Identified Compound		None	

Lab Control Sample - Batch: 480-58567

Method: 8260B
Preparation: N/A

Lab Sample ID:	LCS 480-58567/4	Analysis Batch:	480-58567	Instrument ID:	HP5973F
Client Matrix:	Solid	Prep Batch:	N/A	Lab File ID:	F7880.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	5 g
Analysis Date:	04/06/2012 2226	Units:	ug/Kg	Final Weight/Volume:	5 mL
Prep Date:	N/A				
Leach Date:	N/A				

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
1,1-Dichloroethane	50.0	45.1	90	79 - 126	
1,1-Dichloroethene	50.0	39.9	80	65 - 153	
1,2-Dichlorobenzene	50.0	48.8	98	75 - 120	
1,2-Dichloroethane	50.0	43.6	87	77 - 122	
Benzene	50.0	47.7	95	79 - 127	
Chlorobenzene	50.0	47.4	95	76 - 124	
cis-1,2-Dichloroethene	50.0	47.8	96	81 - 117	
Ethylbenzene	50.0	48.2	96	80 - 120	
Methyl tert-butyl ether	50.0	44.5	89	63 - 125	
Tetrachloroethene	50.0	47.4	95	74 - 122	
Toluene	50.0	47.7	95	74 - 128	
trans-1,2-Dichloroethene	50.0	48.2	96	78 - 126	
Trichloroethene	50.0	46.2	92	77 - 129	

Surrogate	% Rec	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	96	64 - 126
Toluene-d8 (Surr)	104	71 - 125
4-Bromofluorobenzene (Surr)	100	72 - 126

Client: CHA Inc

Job Number: 480-18068-1

Method Blank - Batch: 480-58634

Method: 8260B
Preparation: 5030B

Lab Sample ID:	MB 480-58634/5	Analysis Batch:	480-58634	Instrument ID:	HP5973G
Client Matrix:	Water	Prep Batch:	N/A	Lab File ID:	G10804.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	5 mL
Analysis Date:	04/07/2012 2306	Units:	ug/L	Final Weight/Volume:	5 mL
Prep Date:	04/07/2012 2306				
Leach Date:	N/A				

Analyte	Result	Qual	MDL	RL
1,1,1-Trichloroethane	ND		0.82	1.0
1,1,2,2-Tetrachloroethane	ND		0.21	1.0
1,1,2-Trichloroethane	ND		0.23	1.0
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		0.31	1.0
1,1-Dichloroethane	ND		0.38	1.0
1,1-Dichloroethene	ND		0.29	1.0
1,2,4-Trichlorobenzene	ND		0.41	1.0
1,2-Dibromo-3-Chloropropane	ND		0.39	1.0
1,2-Dibromoethane	ND		0.73	1.0
1,2-Dichlorobenzene	ND		0.79	1.0
1,2-Dichloroethane	ND		0.21	1.0
1,2-Dichloropropane	ND		0.72	1.0
1,3-Dichlorobenzene	ND		0.78	1.0
1,4-Dichlorobenzene	ND		0.84	1.0
2-Hexanone	ND		1.2	5.0
2-Butanone (MEK)	ND		1.3	10
4-Methyl-2-pentanone (MIBK)	ND		2.1	5.0
Acetone	ND		3.0	10
Benzene	ND		0.41	1.0
Bromodichloromethane	ND		0.39	1.0
Bromoform	ND		0.26	1.0
Bromomethane	ND		0.69	1.0
Carbon disulfide	ND		0.19	1.0
Carbon tetrachloride	ND		0.27	1.0
Chlorobenzene	ND		0.75	1.0
Dibromochloromethane	ND		0.32	1.0
Chloroethane	ND		0.32	1.0
Chloroform	ND		0.34	1.0
Chloromethane	ND		0.35	1.0
cis-1,2-Dichloroethene	ND		0.81	1.0
cis-1,3-Dichloropropene	ND		0.36	1.0
Cyclohexane	ND		0.18	1.0
Dichlorodifluoromethane	ND		0.68	1.0
Ethylbenzene	ND		0.74	1.0
Isopropylbenzene	ND		0.79	1.0
Methyl acetate	ND		0.50	1.0
Methyl tert-butyl ether	ND		0.16	1.0
Methylcyclohexane	ND		0.16	1.0
Methylene Chloride	ND		0.44	1.0
Styrene	ND		0.73	1.0
Tetrachloroethene	ND		0.36	1.0
Toluene	ND		0.51	1.0
trans-1,2-Dichloroethene	ND		0.90	1.0
trans-1,3-Dichloropropene	ND		0.37	1.0
Trichloroethene	ND		0.46	1.0

Client: CHA Inc

Job Number: 480-18068-1

Method Blank - Batch: 480-58634

Method: 8260B
Preparation: 5030B

Lab Sample ID:	MB 480-58634/5	Analysis Batch:	480-58634	Instrument ID:	HP5973G
Client Matrix:	Water	Prep Batch:	N/A	Lab File ID:	G10804.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	5 mL
Analysis Date:	04/07/2012 2306	Units:	ug/L	Final Weight/Volume:	5 mL
Prep Date:	04/07/2012 2306				
Leach Date:	N/A				

Analyte	Result	Qual	MDL	RL
Trichlorofluoromethane	ND		0.88	1.0
Vinyl chloride	ND		0.90	1.0
Xylenes, Total	ND		0.66	2.0

Surrogate	% Rec	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	108	66 - 137
Toluene-d8 (Surr)	110	71 - 126
4-Bromofluorobenzene (Surr)	110	73 - 120

Method Blank TICs- Batch: 480-58634

Cas Number	Analyte	RT	Est. Result	Qual
	Tentatively Identified Compound		None	

Lab Control Sample - Batch: 480-58634

Method: 8260B
Preparation: 5030B

Lab Sample ID:	LCS 480-58634/4	Analysis Batch:	480-58634	Instrument ID:	HP5973G
Client Matrix:	Water	Prep Batch:	N/A	Lab File ID:	G10803.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	5 mL
Analysis Date:	04/07/2012 2242	Units:	ug/L	Final Weight/Volume:	5 mL
Prep Date:	04/07/2012 2242				
Leach Date:	N/A				

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
1,1-Dichloroethane	25.0	30.4	122	71 - 129	
1,1-Dichloroethene	25.0	20.8	83	65 - 138	
1,2-Dichlorobenzene	25.0	27.0	108	77 - 120	
1,2-Dichloroethane	25.0	24.3	97	75 - 127	
Benzene	25.0	26.0	104	71 - 124	
Chlorobenzene	25.0	27.3	109	72 - 120	
cis-1,2-Dichloroethene	25.0	29.5	118	74 - 124	
Ethylbenzene	25.0	27.4	110	77 - 123	
Methyl tert-butyl ether	25.0	25.7	103	64 - 127	
Tetrachloroethene	25.0	27.3	109	74 - 122	
Toluene	25.0	26.9	108	70 - 122	
trans-1,2-Dichloroethene	25.0	25.8	103	73 - 127	
Trichloroethene	25.0	25.4	102	74 - 123	

Surrogate	% Rec	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	108	66 - 137
Toluene-d8 (Surr)	112	71 - 126
4-Bromofluorobenzene (Surr)	113	73 - 120

Client: CHA Inc

Job Number: 480-18068-1

Method Blank - Batch: 480-58856

Method: 8260B
Preparation: N/A

Lab Sample ID:	MB 480-58856/6	Analysis Batch:	480-58856	Instrument ID:	HP5973F
Client Matrix:	Solid	Prep Batch:	N/A	Lab File ID:	F7963.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	5 g
Analysis Date:	04/10/2012 1115	Units:	ug/Kg	Final Weight/Volume:	5 mL
Prep Date:	N/A				
Leach Date:	N/A				

Analyte	Result	Qual	MDL	RL
1,1,1-Trichloroethane	ND		0.36	5.0
1,1,2,2-Tetrachloroethane	ND		0.81	5.0
1,1,2-Trichloroethane	ND		0.65	5.0
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		1.1	5.0
1,1-Dichloroethane	ND		0.61	5.0
1,1-Dichloroethene	ND		0.61	5.0
1,2,4-Trichlorobenzene	ND		0.30	5.0
1,2-Dibromo-3-Chloropropane	ND		2.5	5.0
1,2-Dibromoethane	ND		0.64	5.0
1,2-Dichlorobenzene	ND		0.39	5.0
1,2-Dichloroethane	ND		0.25	5.0
1,2-Dichloropropane	ND		2.5	5.0
1,3-Dichlorobenzene	ND		0.26	5.0
1,4-Dichlorobenzene	ND		0.70	5.0
2-Hexanone	ND		2.5	25
2-Butanone (MEK)	ND		1.8	25
4-Methyl-2-pentanone (MIBK)	ND		1.6	25
Acetone	ND		4.2	25
Benzene	ND		0.25	5.0
Bromodichloromethane	ND		0.67	5.0
Bromoform	ND		2.5	5.0
Bromomethane	ND		0.45	5.0
Carbon disulfide	ND		2.5	5.0
Carbon tetrachloride	ND		0.48	5.0
Chlorobenzene	ND		0.66	5.0
Dibromochloromethane	ND		0.64	5.0
Chloroethane	ND		1.1	5.0
Chloroform	ND		0.31	5.0
Chloromethane	ND		0.30	5.0
cis-1,2-Dichloroethene	ND		0.64	5.0
cis-1,3-Dichloropropene	ND		0.72	5.0
Cyclohexane	ND		0.70	5.0
Dichlorodifluoromethane	ND		0.41	5.0
Ethylbenzene	ND		0.35	5.0
Isopropylbenzene	ND		0.75	5.0
Methyl acetate	ND		0.93	5.0
Methyl tert-butyl ether	ND		0.49	5.0
Methylcyclohexane	ND		0.76	5.0
Methylene Chloride	ND		2.3	5.0
Styrene	ND		0.25	5.0
Tetrachloroethene	ND		0.67	5.0
Toluene	ND		0.38	5.0
trans-1,2-Dichloroethene	ND		0.52	5.0
trans-1,3-Dichloropropene	ND		2.2	5.0
Trichloroethene	ND		1.1	5.0

Method Blank - Batch: 480-58856

Method: 8260B
Preparation: N/A

Lab Sample ID:	MB 480-58856/6	Analysis Batch:	480-58856	Instrument ID:	HP5973F
Client Matrix:	Solid	Prep Batch:	N/A	Lab File ID:	F7963.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	5 g
Analysis Date:	04/10/2012 1115	Units:	ug/Kg	Final Weight/Volume:	5 mL
Prep Date:	N/A				
Leach Date:	N/A				

Analyte	Result	Qual	MDL	RL
Trichlorofluoromethane	ND		0.47	5.0
Vinyl chloride	ND		0.61	5.0
Xylenes, Total	ND		0.84	10

Surrogate	% Rec	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	89	64 - 126
Toluene-d8 (Surr)	108	71 - 125
4-Bromofluorobenzene (Surr)	107	72 - 126

Method Blank TICs- Batch: 480-58856

Cas Number	Analyte	RT	Est. Result	Qual
	Tentatively Identified Compound		None	

Lab Control Sample - Batch: 480-58856

Method: 8260B
Preparation: N/A

Lab Sample ID:	LCS 480-58856/5	Analysis Batch:	480-58856	Instrument ID:	HP5973F
Client Matrix:	Solid	Prep Batch:	N/A	Lab File ID:	F7962.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	5 g
Analysis Date:	04/10/2012 1050	Units:	ug/Kg	Final Weight/Volume:	5 mL
Prep Date:	N/A				
Leach Date:	N/A				

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
1,1-Dichloroethane	50.0	44.8	90	79 - 126	
1,1-Dichloroethene	50.0	40.5	81	65 - 153	
1,2-Dichlorobenzene	50.0	47.4	95	75 - 120	
1,2-Dichloroethane	50.0	42.9	86	77 - 122	
Benzene	50.0	46.1	92	79 - 127	
Chlorobenzene	50.0	49.2	98	76 - 124	
cis-1,2-Dichloroethene	50.0	47.0	94	81 - 117	
Ethylbenzene	50.0	48.0	96	80 - 120	
Methyl tert-butyl ether	50.0	42.8	86	63 - 125	
Tetrachloroethene	50.0	50.6	101	74 - 122	
Toluene	50.0	47.9	96	74 - 128	
trans-1,2-Dichloroethene	50.0	47.5	95	78 - 126	
Trichloroethene	50.0	45.2	90	77 - 129	

Surrogate	% Rec	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	96	64 - 126
Toluene-d8 (Surr)	108	71 - 125
4-Bromofluorobenzene (Surr)	109	72 - 126

Client: CHA Inc

Job Number: 480-18068-1

Method Blank - Batch: 480-58223

Method: 8270C
Preparation: 3510C

Lab Sample ID:	MB 480-58223/1-A	Analysis Batch:	480-58387	Instrument ID:	HP5973X
Client Matrix:	Water	Prep Batch:	480-58223	Lab File ID:	X4929.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	1000 mL
Analysis Date:	04/06/2012 0502	Units:	ug/L	Final Weight/Volume:	1 mL
Prep Date:	04/05/2012 0738			Injection Volume:	1 uL
Leach Date:	N/A				

Analyte	Result	Qual	MDL	RL
2,4,5-Trichlorophenol	ND		0.48	5.0
2,4,6-Trichlorophenol	ND		0.61	5.0
2,4-Dichlorophenol	ND		0.51	5.0
2,4-Dimethylphenol	ND		0.50	5.0
2,4-Dinitrophenol	ND		2.2	10
2,4-Dinitrotoluene	ND		0.45	5.0
2,6-Dinitrotoluene	ND		0.40	5.0
2-Chloronaphthalene	ND		0.46	5.0
2-Chlorophenol	ND		0.53	5.0
2-Methylnaphthalene	ND		0.60	5.0
2-Methylphenol	ND		0.40	5.0
2-Nitroaniline	ND		0.42	10
2-Nitrophenol	ND		0.48	5.0
3,3'-Dichlorobenzidine	ND		0.40	5.0
3-Nitroaniline	ND		0.48	10
4,6-Dinitro-2-methylphenol	ND		2.2	10
4-Bromophenyl phenyl ether	ND		0.45	5.0
4-Chloro-3-methylphenol	ND		0.45	5.0
4-Chloroaniline	ND		0.59	5.0
4-Chlorophenyl phenyl ether	ND		0.35	5.0
4-Methylphenol	ND		0.36	10
4-Nitroaniline	ND		0.25	10
4-Nitrophenol	ND		1.5	10
Acenaphthene	ND		0.41	5.0
Acenaphthylene	ND		0.38	5.0
Acetophenone	ND		0.54	5.0
Anthracene	ND		0.28	5.0
Atrazine	ND		0.46	5.0
Benzaldehyde	ND		0.27	5.0
Benzo(a)anthracene	ND		0.36	5.0
Benzo(a)pyrene	ND		0.47	5.0
Benzo(b)fluoranthene	ND		0.34	5.0
Benzo(g,h,i)perylene	ND		0.35	5.0
Benzo(k)fluoranthene	ND		0.73	5.0
Biphenyl	ND		0.65	5.0
bis (2-chloroisopropyl) ether	ND		0.52	5.0
Bis(2-chloroethoxy)methane	ND		0.35	5.0
Bis(2-chloroethyl)ether	ND		0.40	5.0
Bis(2-ethylhexyl) phthalate	ND		1.8	5.0
Butyl benzyl phthalate	ND		0.42	5.0
Caprolactam	ND		2.2	5.0
Carbazole	ND		0.30	5.0
Chrysene	ND		0.33	5.0
Dibenz(a,h)anthracene	ND		0.42	5.0
Dibenzofuran	ND		0.51	10

Client: CHA Inc

Job Number: 480-18068-1

Method Blank - Batch: 480-58223

Method: 8270C
Preparation: 3510C

Lab Sample ID:	MB 480-58223/1-A	Analysis Batch:	480-58387	Instrument ID:	HP5973X
Client Matrix:	Water	Prep Batch:	480-58223	Lab File ID:	X4929.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	1000 mL
Analysis Date:	04/06/2012 0502	Units:	ug/L	Final Weight/Volume:	1 mL
Prep Date:	04/05/2012 0738			Injection Volume:	1 uL
Leach Date:	N/A				

Analyte	Result	Qual	MDL	RL
Diethyl phthalate	ND		0.22	5.0
Dimethyl phthalate	ND		0.36	5.0
Di-n-butyl phthalate	ND		0.31	5.0
Di-n-octyl phthalate	ND		0.47	5.0
Fluoranthene	ND		0.40	5.0
Fluorene	ND		0.36	5.0
Hexachlorobenzene	ND		0.51	5.0
Hexachlorobutadiene	ND		0.68	5.0
Hexachlorocyclopentadiene	ND		0.59	5.0
Hexachloroethane	ND		0.59	5.0
Indeno(1,2,3-cd)pyrene	ND		0.47	5.0
Isophorone	ND		0.43	5.0
Naphthalene	ND		0.76	5.0
Nitrobenzene	ND		0.29	5.0
N-Nitrosodi-n-propylamine	ND		0.54	5.0
N-Nitrosodiphenylamine	ND		0.51	5.0
Pentachlorophenol	ND		2.2	10
Phenanthrene	ND		0.44	5.0
Phenol	ND		0.39	5.0
Pyrene	ND		0.34	5.0

Surrogate	% Rec	Acceptance Limits
2,4,6-Tribromophenol	98	52 - 132
2-Fluorobiphenyl	69	48 - 120
2-Fluorophenol	35	20 - 120
Nitrobenzene-d5	66	46 - 120
p-Terphenyl-d14	117	67 - 150
Phenol-d5	23	16 - 120

Method Blank TICs- Batch: 480-58223

Cas Number	Analyte	RT	Est. Result	Qual
2175-91-9	1,3-Cyclopentadiene, 5-(1-methylethylide	4.27	5.34	T J N
55956-25-7	2-Propanol, 1-[1-methyl-2-(2-propenyloxy	12.26	4.50	T J N
111-6-8	Hexadecanoic acid, butyl ester	12.41	66.7	T J N
	Unknown	12.67	8.03	T J
123-95-5	Octadecanoic acid, butyl ester	13.01	49.0	T J N
	Unknown	13.08	13.9	T J
13752-97-1	1-Propene, 3-[2-(2-methoxyethoxy)ethoxy]	13.53	7.24	T J N
	Unknown	13.79	5.44	T J
13897-22-8	3-Hexanol, 1,5-dimethoxy-2,4-dimethyl-	14.24	7.06	T J N
	Unknown	15.00	7.48	T J

Client: CHA Inc

Job Number: 480-18068-1

Lab Control Sample - Batch: 480-58223

Method: 8270C
Preparation: 3510C

Lab Sample ID:	LCS 480-58223/2-A	Analysis Batch:	480-58387	Instrument ID:	HP5973X
Client Matrix:	Water	Prep Batch:	480-58223	Lab File ID:	X4930.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	1000 mL
Analysis Date:	04/06/2012 0525	Units:	ug/L	Final Weight/Volume:	1 mL
Prep Date:	04/05/2012 0738			Injection Volume:	1 uL
Leach Date:	N/A				

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
2,4-Dinitrophenol	100	82.8	83	42 - 153	
2,4-Dinitrotoluene	100	102	102	59 - 125	
2-Chlorophenol	100	74.5	75	48 - 120	
4-Chloro-3-methylphenol	100	91.3	91	64 - 120	
4-Nitrophenol	100	36.9	37	16 - 120	
Acenaphthene	100	86.7	87	60 - 120	
Bis(2-ethylhexyl) phthalate	100	101	101	69 - 136	
Fluorene	100	97.8	98	66 - 129	
Hexachloroethane	100	56.7	57	25 - 120	
N-Nitrosodi-n-propylamine	100	104	104	56 - 120	
Pentachlorophenol	100	88.1	88	39 - 136	
Phenol	100	34.1	34	17 - 120	
Pyrene	100	95.7	96	58 - 136	

Surrogate	% Rec	Acceptance Limits
2,4,6-Tribromophenol	101	52 - 132
2-Fluorobiphenyl	86	48 - 120
2-Fluorophenol	46	20 - 120
Nitrobenzene-d5	83	46 - 120
p-Terphenyl-d14	94	67 - 150
Phenol-d5	33	16 - 120

Client: CHA Inc

Job Number: 480-18068-1

Method Blank - Batch: 480-58302

Method: 8270C
Preparation: 3550B

Lab Sample ID:	MB 480-58302/1-A	Analysis Batch:	480-58507	Instrument ID:	HP5973X
Client Matrix:	Solid	Prep Batch:	480-58302	Lab File ID:	X4970.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	+30.51 g
Analysis Date:	04/06/2012 2215	Units:	ug/Kg	Final Weight/Volume:	1 mL
Prep Date:	04/05/2012 1044			Injection Volume:	1 uL
Leach Date:	N/A				

Analyte	Result	Qual	MDL	RL
2,4,5-Trichlorophenol	ND		36	170
2,4,6-Trichlorophenol	ND		11	170
2,4-Dichlorophenol	ND		8.7	170
2,4-Dimethylphenol	ND		45	170
2,4-Dinitrophenol	ND		58	320
2,4-Dinitrotoluene	ND		26	170
2,6-Dinitrotoluene	ND		41	170
2-Chloronaphthalene	ND		11	170
2-Chlorophenol	ND		8.4	170
2-Methylnaphthalene	ND		2.0	170
2-Methylphenol	ND		5.1	170
2-Nitroaniline	ND		53	320
2-Nitrophenol	ND		7.6	170
3,3'-Dichlorobenzidine	ND		150	170
3-Nitroaniline	ND		38	320
4,6-Dinitro-2-methylphenol	ND		57	320
4-Bromophenyl phenyl ether	ND		53	170
4-Chloro-3-methylphenol	ND		6.8	170
4-Chloroaniline	ND		49	170
4-Chlorophenyl phenyl ether	ND		3.5	170
4-Methylphenol	ND		9.2	320
4-Nitroaniline	ND		19	320
4-Nitrophenol	ND		40	320
Acenaphthene	ND		2.0	170
Acenaphthylene	ND		1.4	170
Acetophenone	ND		8.5	170
Anthracene	ND		4.2	170
Atrazine	ND		7.4	170
Benzaldehyde	ND		18	170
Benzo(a)anthracene	ND		2.9	170
Benzo(a)pyrene	ND		4.0	170
Benzo(b)fluoranthene	ND		3.2	170
Benzo(g,h,i)perylene	ND		2.0	170
Benzo(k)fluoranthene	ND		1.8	170
Biphenyl	ND		10	170
bis (2-chloroisopropyl) ether	ND		17	170
Bis(2-chloroethoxy)methane	ND		9.0	170
Bis(2-chloroethyl)ether	ND		14	170
Bis(2-ethylhexyl) phthalate	ND		53	170
Butyl benzyl phthalate	ND		45	170
Caprolactam	ND		72	170
Carbazole	ND		1.9	170
Chrysene	ND		1.7	170
Dibenz(a,h)anthracene	ND		2.0	170
Dibenzofuran	ND		1.7	170

Client: CHA Inc

Job Number: 480-18068-1

Method Blank - Batch: 480-58302

Method: 8270C
Preparation: 3550B

Lab Sample ID:	MB 480-58302/1-A	Analysis Batch:	480-58507	Instrument ID:	HP5973X
Client Matrix:	Solid	Prep Batch:	480-58302	Lab File ID:	X4970.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	+30.51 g
Analysis Date:	04/06/2012 2215	Units:	ug/Kg	Final Weight/Volume:	1 mL
Prep Date:	04/05/2012 1044			Injection Volume:	1 uL
Leach Date:	N/A				

Analyte	Result	Qual	MDL	RL
Diethyl phthalate	ND		5.0	170
Dimethyl phthalate	ND		4.3	170
Di-n-butyl phthalate	ND		57	170
Di-n-octyl phthalate	ND		3.9	170
Fluoranthene	ND		2.4	170
Fluorene	ND		3.8	170
Hexachlorobenzene	ND		8.2	170
Hexachlorobutadiene	ND		8.5	170
Hexachlorocyclopentadiene	ND		50	170
Hexachloroethane	ND		13	170
Indeno(1,2,3-cd)pyrene	ND		4.6	170
Isophorone	ND		8.3	170
Naphthalene	ND		2.8	170
Nitrobenzene	ND		7.4	170
N-Nitrosodi-n-propylamine	ND		13	170
N-Nitrosodiphenylamine	ND		9.1	170
Pentachlorophenol	ND		57	320
Phenanthrene	ND		3.5	170
Phenol	ND		17	170
Pyrene	ND		1.1	170

Surrogate	% Rec	Acceptance Limits
2,4,6-Tribromophenol	119	39 - 146
2-Fluorobiphenyl	98	37 - 120
2-Fluorophenol	86	18 - 120
Nitrobenzene-d5	103	34 - 132
p-Terphenyl-d14	136	65 - 153
Phenol-d5	89	11 - 120

Method Blank TICs- Batch: 480-58302

Cas Number	Analyte	RT	Est. Result	Qual
	Tentatively Identified Compound		None	

Client: CHA Inc

Job Number: 480-18068-1

Lab Control Sample - Batch: 480-58302

Method: 8270C
Preparation: 3550B

Lab Sample ID:	LCS 480-58302/2-A	Analysis Batch:	480-58507	Instrument ID:	HP5973X
Client Matrix:	Solid	Prep Batch:	480-58302	Lab File ID:	X4971.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	+30.36 g
Analysis Date:	04/06/2012 2238	Units:	ug/Kg	Final Weight/Volume:	1 mL
Prep Date:	04/05/2012 1044			Injection Volume:	1 uL
Leach Date:	N/A				

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
2,4-Dinitrophenol	3290	2990	91	35 - 146	
2,4-Dinitrotoluene	3290	3770	114	55 - 125	
2-Chlorophenol	3290	2700	82	38 - 120	
4-Chloro-3-methylphenol	3290	3680	112	49 - 125	
4-Nitrophenol	3290	5000	152	43 - 137	*
Acenaphthene	3290	3340	101	53 - 120	
Bis(2-ethylhexyl) phthalate	3290	3710	113	61 - 133	
Fluorene	3290	3740	114	63 - 126	
Hexachloroethane	3290	2870	87	41 - 120	
N-Nitrosodi-n-propylamine	3290	3560	108	46 - 120	
Pentachlorophenol	3290	2900	88	33 - 136	
Phenol	3290	2830	86	36 - 120	
Pyrene	3290	3500	106	51 - 133	

Surrogate	% Rec	Acceptance Limits
2,4,6-Tribromophenol	112	39 - 146
2-Fluorobiphenyl	93	37 - 120
2-Fluorophenol	83	18 - 120
Nitrobenzene-d5	106	34 - 132
p-Terphenyl-d14	113	65 - 153
Phenol-d5	86	11 - 120

Client: CHA Inc

Job Number: 480-18068-1

Matrix Spike/
Matrix Spike Duplicate Recovery Report - Batch: 480-58302

Method: 8270C
Preparation: 3550B

MS Lab Sample ID:	480-18068-15	Analysis Batch:	480-58507	Instrument ID:	HP5973X
Client Matrix:	Solid	Prep Batch:	480-58302	Lab File ID:	X4972.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	+30.29 g
Analysis Date:	04/06/2012 2302			Final Weight/Volume:	1 mL
Prep Date:	04/05/2012 1044			Injection Volume:	1 uL
Leach Date:	N/A				

MSD Lab Sample ID:	480-18068-15	Analysis Batch:	480-58507	Instrument ID:	HP5973X
Client Matrix:	Solid	Prep Batch:	480-58302	Lab File ID:	X4973.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	+30.68 g
Analysis Date:	04/06/2012 2326			Final Weight/Volume:	1 mL
Prep Date:	04/05/2012 1044			Injection Volume:	1 uL
Leach Date:	N/A				

	% Rec.						
Analyte	MS	MSD	Limit	RPD	RPD Limit	MS Qual	MSD Qual
2,4-Dinitrotoluene	116	112	55 - 125	4.44	20		
2-Chlorophenol	83	84	38 - 120	0.000	25		
4-Chloro-3-methylphenol	107	103	49 - 125	4.81	27		
4-Nitrophenol	160	149	43 - 137	8.59	25	E F	F
Acenaphthene	91	87	53 - 120	5.13	35		
Bis(2-ethylhexyl) phthalate	114	116	61 - 133	1.07	15		
Fluorene	99	87	63 - 126	12.0	15		
Hexachloroethane	87	94	41 - 120	5.57	46		
N-Nitrosodi-n-propylamine	104	107	46 - 120	1.47	31		
Pentachlorophenol	80	92	33 - 136	13.1	35		
Phenol	88	90	36 - 120	1.00	35		
Pyrene	114	23	51 - 133	55.9	35	E	F

Surrogate	MS % Rec	MSD % Rec	Acceptance Limits
2,4,6-Tribromophenol	127	128	39 - 146
2-Fluorobiphenyl	97	94	37 - 120
2-Fluorophenol	81	84	18 - 120
Nitrobenzene-d5	102	94	34 - 132
Phenol-d5	87	87	11 - 120
p-Terphenyl-d14	94	99	65 - 153

Client: CHA Inc

Job Number: 480-18068-1

Matrix Spike/
Matrix Spike Duplicate Recovery Report - Batch: 480-58302

Method: 8270C
Preparation: 3550B

MS Lab Sample ID:	480-18068-15	Units: ug/Kg	
Client Matrix:	Solid		
Dilution:	1.0		
Analysis Date:	04/06/2012 2302		
Prep Date:	04/05/2012 1044		
Leach Date:	N/A		

MSD Lab Sample ID:	480-18068-15
Client Matrix:	Solid
Dilution:	1.0
Analysis Date:	04/06/2012 2326
Prep Date:	04/05/2012 1044
Leach Date:	N/A

Analyte	Sample Result/Qual	MS Spike Amount	MSD Spike Amount	MS Result/Qual	MSD Result/Qual
2,4-Dinitrotoluene	ND	3530	3480	4080	3910
2-Chlorophenol	ND	3530	3480	2910	2920
4-Chloro-3-methylphenol	ND	3530	3480	3760	3580
4-Nitrophenol	ND	3530	3480	5650 E F	5190 F
Acenaphthene	430	3530	3480	3640	3460
Bis(2-ethylhexyl) phthalate	ND	3530	3480	4020	4060
Fluorene	630	3530	3480	4110	3650
Hexachloroethane	ND	3530	3480	3090	3260
N-Nitrosodi-n-propylamine	ND	3530	3480	3670	3730
Pentachlorophenol	ND	3530	3480	2820	3220
Phenol	21 J	3530	3480	3140	3160
Pyrene	3300	3530	3480	7340 E	4130 F

Method Blank - Batch: 480-58267

Method: 8082
Preparation: 3550B

Lab Sample ID:	MB 480-58267/1-A	Analysis Batch:	480-58319	Instrument ID:	HP5890-12
Client Matrix:	Solid	Prep Batch:	480-58267	Lab File ID:	12_163_199.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	+2.44 g
Analysis Date:	04/05/2012 1812	Units:	ug/Kg	Final Weight/Volume:	10 mL
Prep Date:	04/05/2012 0940			Injection Volume:	1 uL
Leach Date:	N/A			Column ID:	PRIMARY

Analyte	Result	Qual	MDL	RL
PCB-1016	ND		40	200
PCB-1221	ND		40	200
PCB-1232	ND		40	200
PCB-1242	ND		45	200
PCB-1248	ND		40	200
PCB-1254	ND		43	200
PCB-1260	ND		96	200

Surrogate	% Rec	Acceptance Limits
DCB Decachlorobiphenyl	134	36 - 182
Tetrachloro-m-xylene	136	24 - 172

Surrogate	% Rec	Acceptance Limits
DCB Decachlorobiphenyl	157	36 - 182
Tetrachloro-m-xylene	140	24 - 172

Lab Control Sample - Batch: 480-58267

Method: 8082
Preparation: 3550B

Lab Sample ID:	LCS 480-58267/2-A	Analysis Batch:	480-58319	Instrument ID:	HP5890-12
Client Matrix:	Solid	Prep Batch:	480-58267	Lab File ID:	12_163_200.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	+2.11 g
Analysis Date:	04/05/2012 1827	Units:	ug/Kg	Final Weight/Volume:	10 mL
Prep Date:	04/05/2012 0940			Injection Volume:	1 uL
Leach Date:	N/A			Column ID:	PRIMARY

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
PCB-1016	2370	3470	146	51 - 185	
PCB-1260	2370	3720	157	61 - 184	

Surrogate	% Rec	Acceptance Limits
DCB Decachlorobiphenyl	157	36 - 182
Tetrachloro-m-xylene	160	24 - 172

Surrogate	% Rec		Acceptance Limits
DCB Decachlorobiphenyl	184	X	36 - 182
Tetrachloro-m-xylene	182	X	24 - 172

Client: CHA Inc

Job Number: 480-18068-1

Matrix Spike/
Matrix Spike Duplicate Recovery Report - Batch: 480-58267

Method: 8082
Preparation: 3550B

MS Lab Sample ID:	480-18068-12	Analysis Batch:	480-58319	Instrument ID:	HP5890-12
Client Matrix:	Solid	Prep Batch:	480-58267	Lab File ID:	12_163_220.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	+2.65 g
Analysis Date:	04/05/2012 2322			Final Weight/Volume:	10 mL
Prep Date:	04/05/2012 0940			Injection Volume:	1 uL
Leach Date:	N/A			Column ID:	PRIMARY

MSD Lab Sample ID:	480-18068-12	Analysis Batch:	480-58319	Instrument ID:	HP5890-12
Client Matrix:	Solid	Prep Batch:	480-58267	Lab File ID:	12_163_221.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	+2.62 g
Analysis Date:	04/05/2012 2336			Final Weight/Volume:	10 mL
Prep Date:	04/05/2012 0940			Injection Volume:	1 uL
Leach Date:	N/A			Column ID:	PRIMARY

	% Rec.					
Analyte	MS	MSD	Limit	RPD	RPD Limit	MS Qual	MSD Qual
PCB-1016	133	127	42 - 159	3.85	50		
PCB-1260	145	136	47 - 153	5.31	50		

Surrogate	MS % Rec	MSD % Rec	Acceptance Limits
DCB Decachlorobiphenyl	163	163	36 - 182
Tetrachloro-m-xylene	153	153	24 - 172

Surrogate	MS % Rec		MSD % Rec		Acceptance Limits
DCB Decachlorobiphenyl	184	X	184	X	36 - 182
Tetrachloro-m-xylene	174	X	176	X	24 - 172

Matrix Spike/
Matrix Spike Duplicate Recovery Report - Batch: 480-58267

Method: 8082
Preparation: 3550B

MS Lab Sample ID:	480-18068-12	Units:	ug/Kg	MSD Lab Sample ID:	480-18068-12
Client Matrix:	Solid			Client Matrix:	Solid
Dilution:	1.0			Dilution:	1.0
Analysis Date:	04/05/2012 2322			Analysis Date:	04/05/2012 2336
Prep Date:	04/05/2012 0940			Prep Date:	04/05/2012 0940
Leach Date:	N/A			Leach Date:	N/A

Analyte	Sample Result/Qual	MS Spike Amount	MSD Spike Amount	MS Result/Qual	MSD Result/Qual
PCB-1016	ND	2120	2150	2830	2720
PCB-1260	ND	2120	2150	3080	2920

Client: CHA Inc

Job Number: 480-18068-1

Method Blank - Batch: 480-58242

Method: 6010B
Preparation: 3050B

Lab Sample ID:	MB 480-58242/1-A	Analysis Batch:	480-58450	Instrument ID:	ICAP1
Client Matrix:	Solid	Prep Batch:	480-58242	Lab File ID:	I1040512A-7.asc
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	+0.5320 g
Analysis Date:	04/05/2012 1911	Units:	mg/Kg	Final Weight/Volume:	50 mL
Prep Date:	04/05/2012 1000				
Leach Date:	N/A				

Analyte	Result	Qual	MDL	RL
Aluminum	ND		4.1	9.4
Antimony	ND		0.51	14.1
Arsenic	ND		0.38	1.9
Barium	ND		0.10	0.47
Beryllium	ND		0.026	0.19
Cadmium	ND		0.028	0.19
Calcium	3.77	J	3.1	47.0
Chromium	ND		0.19	0.47
Cobalt	ND		0.047	0.47
Copper	ND		0.20	0.94
Iron	1.32	J	1.0	9.4
Lead	ND		0.23	0.94
Magnesium	ND		0.87	18.8
Manganese	0.0489	J	0.030	0.19
Nickel	ND		0.22	4.7
Potassium	ND		18.8	28.2
Selenium	ND		0.54	3.8
Silver	ND		0.19	0.47
Sodium	37.58	J	12.2	132
Thallium	ND		0.28	5.6
Vanadium	ND		0.10	0.47
Zinc	ND		0.14	1.9

Client: CHA Inc

Job Number: 480-18068-1

LCS-Certified Reference Material - Batch: 480-58242

Method: 6010B
Preparation: 3050B

Lab Sample ID:	LCSSRM 480-58242/2-A	Analysis Batch:	480-58450	Instrument ID:	ICAP1
Client Matrix:	Solid	Prep Batch:	480-58242	Lab File ID:	I1040512A-7.asc
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	+0.4994 g
Analysis Date:	04/05/2012 1913	Units:	mg/Kg	Final Weight/Volume:	50 mL
Prep Date:	04/05/2012 1000				
Leach Date:	N/A				

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
Aluminum	8400	7038	84	41 - 160	
Antimony	106	91.12	86	25 - 275	
Arsenic	109	107.8	99	70 - 134	
Barium	206	214.1	104	73 - 127	
Beryllium	88.3	90.52	103	74 - 126	
Cadmium	80.3	82.69	103	73 - 127	
Calcium	6710	6506	97	74 - 126	
Chromium	117	114.5	98	70 - 130	
Cobalt	127	132.6	104	74 - 125	
Copper	117	118.9	101	75 - 125	
Iron	12300	10280	83	31 - 170	
Lead	76.3	77.37	101	69 - 131	
Magnesium	2640	2467	93	64 - 136	
Manganese	350	340.3	97	75 - 125	
Nickel	71.3	74.44	104	71 - 129	
Potassium	2960	2859	96	63 - 138	
Selenium	127	136.0	107	67 - 134	
Silver	41.0	40.77	99	66 - 134	
Sodium	360	375.7	104	44 - 156	
Thallium	266	280.0	105	70 - 130	
Vanadium	86.2	82.44	96	63 - 137	
Zinc	280	268.5	96	71 - 129	

Client: CHA Inc

Job Number: 480-18068-1

Post Digestion Spike - Batch: 480-58242

Method: 6010B
Preparation: 3050B

Lab Sample ID:	480-18068-3	Analysis Batch:	480-58450	Instrument ID:	ICAP1
Client Matrix:	Solid	Prep Batch:	480-58242	Lab File ID:	I1040512A-7.asc
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	+0.5209 g
Analysis Date:	04/05/2012 1925	Units:	mg/Kg	Final Weight/Volume:	50 mL
Prep Date:	04/05/2012 1000				
Leach Date:	N/A				

Analyte	Sample Result/Qual	Spike Amount	Result	% Rec.	Limit	Qual
Aluminum	7330	2490	10110	112	75 - 125	
Antimony	ND	49.8	50.14	101	75 - 125	
Arsenic	5.4	49.8	57.88	106	75 - 125	
Barium	72.9	49.8	126.0	107	75 - 125	
Beryllium	0.48	49.8	52.02	104	75 - 125	
Cadmium	0.28	49.8	50.90	102	75 - 125	
Calcium	19500	2490	22330	115	75 - 125	
Chromium	13.1	49.8	62.59	99	75 - 125	
Cobalt	8.2	49.8	58.91	102	75 - 125	
Copper	22.0	49.8	75.11	107	75 - 125	
Iron	17800	2490	20610	111	75 - 125	
Lead	18.0	49.8	70.65	106	75 - 125	
Magnesium	6670	2490	9138	99	75 - 125	
Manganese	468	49.8	515.4	96	75 - 125	
Nickel	19.3	49.8	71.93	106	75 - 125	
Potassium	972	2490	3579	105	75 - 125	
Selenium	ND	49.8	51.57	104	75 - 125	
Silver	ND	12.4	11.55	93	75 - 125	
Sodium	68.2 J	2490	2639	103	75 - 125	
Thallium	ND	49.8	51.81	104	75 - 125	
Vanadium	15.6	49.8	66.65	103	75 - 125	
Zinc	58.2	49.8	108.5	101	75 - 125	

Client: CHA Inc

Job Number: 480-18068-1

Matrix Spike/
Matrix Spike Duplicate Recovery Report - Batch: 480-58242

Method: 6010B
Preparation: 3050B

MS Lab Sample ID:	480-18068-3	Analysis Batch:	480-58450	Instrument ID:	ICAP1
Client Matrix:	Solid	Prep Batch:	480-58242	Lab File ID:	I1040512A-7.asc
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	+0.5211 g
Analysis Date:	04/05/2012 1928			Final Weight/Volume:	50 mL
Prep Date:	04/05/2012 1000				
Leach Date:	N/A				

MSD Lab Sample ID:	480-18068-3	Analysis Batch:	480-58450	Instrument ID:	ICAP1
Client Matrix:	Solid	Prep Batch:	480-58242	Lab File ID:	I1040512A-7.asc
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	+0.5155 g
Analysis Date:	04/05/2012 1935			Final Weight/Volume:	50 mL
Prep Date:	04/05/2012 1000				
Leach Date:	N/A				

	% Rec.						
Analyte	MS	MSD	Limit	RPD	RPD Limit	MS Qual	MSD Qual
Aluminum	217	214	75 - 125	0.000	20	F	F
Antimony	76	67	75 - 125	11.5	20		F
Arsenic	93	88	75 - 125	4.46	20		
Barium	131	118	75 - 125	4.02	20	F	
Beryllium	97	91	75 - 125	5.24	20		
Cadmium	94	88	75 - 125	5.80	20		
Calcium	88	-38	75 - 125	15.6	20	4	4
Chromium	96	91	75 - 125	3.94	20		
Cobalt	101	92	75 - 125	6.84	20		
Copper	102	98	75 - 125	1.56	20		
Iron	140	135	75 - 125	0.000	20	4	4
Lead	107	99	75 - 125	5.42	20		
Magnesium	93	52	75 - 125	12.0	20		F
Manganese	179	282	75 - 125	9.08	20	4	4
Nickel	102	95	75 - 125	4.29	20		
Potassium	110	116	75 - 125	5.05	20		
Selenium	90	86	75 - 125	4.33	20		
Silver	93	87	75 - 125	4.77	20		
Sodium	96	89	75 - 125	6.01	20		
Thallium	96	90	75 - 125	5.32	20		
Vanadium	103	97	75 - 125	3.45	20		
Zinc	105	93	75 - 125	5.44	20		

Client: CHA Inc

Job Number: 480-18068-1

Matrix Spike/
Matrix Spike Duplicate Recovery Report - Batch: 480-58242

Method: 6010B
Preparation: 3050B

MS Lab Sample ID:	480-18068-3	Units: mg/Kg	MSD Lab Sample ID:	480-18068-3	
Client Matrix:	Solid		Client Matrix:	Solid	
Dilution:	1.0		Dilution:	1.0	
Analysis Date:	04/05/2012 1928		Analysis Date:	04/05/2012 1935	
Prep Date:	04/05/2012 1000		Prep Date:	04/05/2012 1000	
Leach Date:	N/A		Leach Date:	N/A	

Analyte	Sample Result/Qual		MS Spike Amount	MSD Spike Amount	MS Result/Qual		MSD Result/Qual	
Aluminum	7330		2490	2520	12750	F	12710	F
Antimony	ND		49.8	50.3	37.78		33.69	F
Arsenic	5.4		49.8	50.3	51.84		49.58	
Barium	72.9		49.8	50.3	137.9	F	132.4	
Beryllium	0.48		49.8	50.3	48.89		46.39	
Cadmium	0.28		49.8	50.3	47.16		44.50	
Calcium	19500		2490	2520	21660	4	18520	4
Chromium	13.1		49.8	50.3	61.04		58.68	
Cobalt	8.2		49.8	50.3	58.24		54.39	
Copper	22.0		49.8	50.3	72.57		71.45	
Iron	17800		2490	2520	21320	4	21240	4
Lead	18.0		49.8	50.3	71.48		67.71	
Magnesium	6670		2490	2520	8982		7968	F
Manganese	468		49.8	50.3	556.8	4	609.7	4
Nickel	19.3		49.8	50.3	70.24		67.29	
Potassium	972		2490	2520	3708		3900	
Selenium	ND		49.8	50.3	44.94		43.04	
Silver	ND		12.4	12.6	11.53		10.99	
Sodium	68.2	J	2490	2520	2459		2316	
Thallium	ND		49.8	50.3	47.72		45.25	
Vanadium	15.6		49.8	50.3	66.74		64.48	
Zinc	58.2		49.8	50.3	110.6		104.7	

Client: CHA Inc

Job Number: 480-18068-1

Serial Dilution - Batch: 480-58242

Method: 6010B
Preparation: 3050B

Lab Sample ID:	480-18068-3	Analysis Batch:	480-58450	Instrument ID:	ICAP1
Client Matrix:	Solid	Prep Batch:	480-58242	Lab File ID:	I1040512A-7.asc
Dilution:	5.0	Leach Batch:	N/A	Initial Weight/Volume:	+0.5209 g
Analysis Date:	04/05/2012 1923	Units:	mg/Kg	Final Weight/Volume:	50 mL
Prep Date:	04/05/2012 1000				
Leach Date:	N/A				

Analyte	Sample Result/Qual		Result	%Diff	Limit	Qual
Aluminum	7330		8137	11	10	V
Antimony	ND		ND	NC	10	
Arsenic	5.4		5.16	NC	10	J
Barium	72.9		80.49	10	10	
Beryllium	0.48		0.498	NC	10	J
Cadmium	0.28		0.342	NC	10	J
Calcium	19500		21910	13	10	V
Chromium	13.1		15.33	17	10	V
Cobalt	8.2		8.71	6.2	10	
Copper	22.0		23.82	8.3	10	
Iron	17800		20270	14	10	V
Lead	18.0		19.17	6.5	10	
Magnesium	6670		7392	11	10	V
Manganese	468		529.1	13	10	V
Nickel	19.3		20.66	6.8	10	J
Potassium	972		1065	9.6	10	
Selenium	ND		ND	NC	10	
Silver	ND		ND	NC	10	
Sodium	68.2	J	88.75	NC	10	J
Thallium	ND		ND	NC	10	
Vanadium	15.6		17.64	13	10	V
Zinc	58.2		66.04	13	10	V

Client: CHA Inc

Job Number: 480-18068-1

Method Blank - Batch: 480-58215

Method: 7471A
Preparation: 7471A

Lab Sample ID:	MB 480-58215/1-A	Analysis Batch:	480-58512	Instrument ID:	LEEMAN3
Client Matrix:	Solid	Prep Batch:	480-58215	Lab File ID:	J04052S1A.PRN
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	+0.6430 g
Analysis Date:	04/05/2012 1133	Units:	mg/Kg	Final Weight/Volume:	50 mL
Prep Date:	04/05/2012 0755				
Leach Date:	N/A				

Analyte	Result	Qual	MDL	RL
Hg	ND		0.0076	0.019

LCS-Certified Reference Material - Batch: 480-58215

Method: 7471A
Preparation: 7471A

Lab Sample ID:	LCSSRM 480-58215/2-A	Analysis Batch:	480-58512	Instrument ID:	LEEMAN3
Client Matrix:	Solid	Prep Batch:	480-58215	Lab File ID:	J04052S1A.PRN
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	+0.0533 g
Analysis Date:	04/05/2012 1134	Units:	mg/Kg	Final Weight/Volume:	50 mL
Prep Date:	04/05/2012 0755				
Leach Date:	N/A				

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
Hg	3.77	3.97	105	51 - 149	

Matrix Spike/
Matrix Spike Duplicate Recovery Report - Batch: 480-58215

Method: 7471A
Preparation: 7471A

MS Lab Sample ID:	480-18068-1	Analysis Batch:	480-58512	Instrument ID:	LEEMAN3
Client Matrix:	Solid	Prep Batch:	480-58215	Lab File ID:	J04052S1A.PRN
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	+0.5815 g
Analysis Date:	04/05/2012 1143			Final Weight/Volume:	50 mL
Prep Date:	04/05/2012 0755				
Leach Date:	N/A				

MSD Lab Sample ID:	480-18068-1	Analysis Batch:	480-58512	Instrument ID:	LEEMAN3
Client Matrix:	Solid	Prep Batch:	480-58215	Lab File ID:	J04052S1A.PRN
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	+0.5927 g
Analysis Date:	04/05/2012 1144			Final Weight/Volume:	50 mL
Prep Date:	04/05/2012 0755				
Leach Date:	N/A				

	% Rec.						
Analyte	MS	MSD	Limit	RPD	RPD Limit	MS Qual	MSD Qual
Hg	116	116	75 - 125	1.71	20		

Client: CHA Inc

Job Number: 480-18068-1

Matrix Spike/
Matrix Spike Duplicate Recovery Report - Batch: 480-58215

Method: 7471A
Preparation: 7471A

MS Lab Sample ID:	480-18068-1	Units: mg/Kg	MSD Lab Sample ID:	480-18068-1	
Client Matrix:	Solid		Client Matrix:	Solid	
Dilution:	1.0		Dilution:	1.0	
Analysis Date:	04/05/2012 1143		Analysis Date:	04/05/2012 1144	
Prep Date:	04/05/2012 0755		Prep Date:	04/05/2012 0755	
Leach Date:	N/A		Leach Date:	N/A	

Analyte	Sample Result/Qual	MS Spike Amount	MSD Spike Amount	MS Result/Qual	MSD Result/Qual
Hg	0.049	0.455	0.447	0.576	0.566

Serial Dilution - Batch: 480-58215

Method: 7471A
Preparation: 7471A

Lab Sample ID:	480-18068-1	Analysis Batch:	480-58512	Instrument ID:	LEEMAN3
Client Matrix:	Solid	Prep Batch:	480-58215	Lab File ID:	J04052S1A.PRN
Dilution:	5.0	Leach Batch:	N/A	Initial Weight/Volume:	+0.6116 g
Analysis Date:	04/05/2012 1142	Units:	mg/Kg	Final Weight/Volume:	50 mL
Prep Date:	04/05/2012 0755				
Leach Date:	N/A				

Analyte	Sample Result/Qual	Result	%Diff	Limit	Qual
Hg	0.049	ND	NC	10	

DATA REPORTING QUALIFIERS

Client: CHA Inc

Job Number: 480-18068-1

Lab Section	Qualifier	Description
GC/MS VOA		
	B	Compound was found in the blank and sample.
	J	Indicates an Estimated Value for TICs
	N	Presumptive evidence of material.
	T	Result is a tentatively identified compound (TIC) and an estimated value.
	J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.
GC/MS Semi VOA		
	J	Indicates an Estimated Value for TICs
	*	LCS or LCSD exceeds the control limits
	F	MS or MSD exceeds the control limits
	N	Presumptive evidence of material.
	E	Result exceeded calibration range.
	T	Result is a tentatively identified compound (TIC) and an estimated value.
	J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.
	F	RPD of the MS and MSD exceeds the control limits
GC Semi VOA		
	X	Surrogate is outside control limits

DATA REPORTING QUALIFIERS

Client: CHA Inc

Job Number: 480-18068-1

Lab Section	Qualifier	Description
Metals		
	B	Compound was found in the blank and sample.
	F	MS or MSD exceeds the control limits
	4	MS, MSD: The analyte present in the original sample is 4 times greater than the matrix spike concentration; therefore, control limits are not applicable.
	J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.
	V	Serial Dilution exceeds the control limits

Client: CHA Inc

Job Number: 480-18068-1

QC Association Summary

Lab Sample ID	Client Sample ID	Report Basis	Client Matrix	Method	Prep Batch
GC/MS VOA					
Prep Batch: 480-58373					
480-18068-1	RB-03 (0-6")	T	Solid	5035	
480-18068-2	RB-03 (6"-12")	T	Solid	5035	
480-18068-3	RB-03 (12"-24")	T	Solid	5035	
480-18068-4	RB-04 (0-6")	T	Solid	5035	
480-18068-5	RB-04 (6"-12"	T	Solid	5035	
480-18068-6	RB-04 (12"-24")	T	Solid	5035	
480-18068-7	RB-05 (0-6")	T	Solid	5035	
480-18068-8	RB-05 (6"-12"	T	Solid	5035	
480-18068-9	RB-05 (12"-24")	T	Solid	5035	
480-18068-10	RB-06 (0-6")	T	Solid	5035	
480-18068-11	RB-06 (6"-12"	T	Solid	5035	
480-18068-12	RB-06 (12"-24")	T	Solid	5035	
480-18068-13	SB-A1 (15'-15'8")	T	Solid	5035	
480-18068-14	SB-A2 (10'-11')	T	Solid	5035	
480-18068-15	SB-A3 (5'-6'1")	T	Solid	5035	
480-18068-15MS	Matrix Spike	T	Solid	5035	
480-18068-15MSD	Matrix Spike Duplicate	T	Solid	5035	
Analysis Batch:480-58567					
LCS 480-58567/4	Lab Control Sample	T	Solid	8260B	
MB 480-58567/5	Method Blank	T	Solid	8260B	
480-18068-1	RB-03 (0-6")	T	Solid	8260B	480-58373
480-18068-2	RB-03 (6"-12")	T	Solid	8260B	480-58373
480-18068-3	RB-03 (12"-24")	T	Solid	8260B	480-58373
480-18068-4	RB-04 (0-6")	T	Solid	8260B	480-58373
480-18068-5	RB-04 (6"-12"	T	Solid	8260B	480-58373
480-18068-6	RB-04 (12"-24")	T	Solid	8260B	480-58373
480-18068-7	RB-05 (0-6")	T	Solid	8260B	480-58373
480-18068-8	RB-05 (6"-12"	T	Solid	8260B	480-58373
480-18068-9	RB-05 (12"-24")	T	Solid	8260B	480-58373
480-18068-10	RB-06 (0-6")	T	Solid	8260B	480-58373
480-18068-11	RB-06 (6"-12"	T	Solid	8260B	480-58373
480-18068-12	RB-06 (12"-24")	T	Solid	8260B	480-58373
480-18068-13	SB-A1 (15'-15'8")	T	Solid	8260B	480-58373
480-18068-14	SB-A2 (10'-11')	T	Solid	8260B	480-58373
480-18068-15	SB-A3 (5'-6'1")	T	Solid	8260B	480-58373
480-18068-15MS	Matrix Spike	T	Solid	8260B	480-58373
480-18068-15MSD	Matrix Spike Duplicate	T	Solid	8260B	480-58373
Analysis Batch:480-58634					
LCS 480-58634/4	Lab Control Sample	T	Water	8260B	
MB 480-58634/5	Method Blank	T	Water	8260B	
480-18068-17	EQUIPMENT BLANK	T	Water	8260B	
480-18068-18	TRIP BLANK	T	Water	8260B	

Client: CHA Inc

Job Number: 480-18068-1

QC Association Summary

Lab Sample ID	Client Sample ID	Report Basis	Client Matrix	Method	Prep Batch
GC/MS VOA					
Analysis Batch:480-58856					
LCS 480-58856/5	Lab Control Sample	T	Solid	8260B	
MB 480-58856/6	Method Blank	T	Solid	8260B	
480-18068-16	DUP-03	T	Solid	8260B	480-58917
Prep Batch: 480-58917					
480-18068-16	DUP-03	T	Solid	5035	

Report Basis

T = Total

Client: CHA Inc

Job Number: 480-18068-1

QC Association Summary

Lab Sample ID	Client Sample ID	Report Basis	Client Matrix	Method	Prep Batch
GC/MS Semi VOA					
Prep Batch: 480-58223					
LCS 480-58223/2-A	Lab Control Sample	T	Water	3510C	
MB 480-58223/1-A	Method Blank	T	Water	3510C	
480-18068-17	EQUIPMENT BLANK	T	Water	3510C	
Prep Batch: 480-58302					
LCS 480-58302/2-A	Lab Control Sample	T	Solid	3550B	
MB 480-58302/1-A	Method Blank	T	Solid	3550B	
480-18068-1	RB-03 (0-6")	T	Solid	3550B	
480-18068-2	RB-03 (6"-12")	T	Solid	3550B	
480-18068-3	RB-03 (12"-24")	T	Solid	3550B	
480-18068-4	RB-04 (0-6")	T	Solid	3550B	
480-18068-5	RB-04 (6"-12"	T	Solid	3550B	
480-18068-6	RB-04 (12"-24")	T	Solid	3550B	
480-18068-7	RB-05 (0-6")	T	Solid	3550B	
480-18068-8	RB-05 (6"-12"	T	Solid	3550B	
480-18068-9	RB-05 (12"-24")	T	Solid	3550B	
480-18068-10	RB-06 (0-6")	T	Solid	3550B	
480-18068-11	RB-06 (6"-12"	T	Solid	3550B	
480-18068-12	RB-06 (12"-24")	T	Solid	3550B	
480-18068-13	SB-A1 (15'-15'8")	T	Solid	3550B	
480-18068-14	SB-A2 (10'-11')	T	Solid	3550B	
480-18068-15	SB-A3 (5'-6'1")	T	Solid	3550B	
480-18068-15MS	Matrix Spike	T	Solid	3550B	
480-18068-15MSD	Matrix Spike Duplicate	T	Solid	3550B	
480-18068-16	DUP-03	T	Solid	3550B	
Analysis Batch:480-58387					
LCS 480-58223/2-A	Lab Control Sample	T	Water	8270C	480-58223
MB 480-58223/1-A	Method Blank	T	Water	8270C	480-58223
480-18068-17	EQUIPMENT BLANK	T	Water	8270C	480-58223
Analysis Batch:480-58507					
LCS 480-58302/2-A	Lab Control Sample	T	Solid	8270C	480-58302
MB 480-58302/1-A	Method Blank	T	Solid	8270C	480-58302
480-18068-2	RB-03 (6"-12")	T	Solid	8270C	480-58302
480-18068-3	RB-03 (12"-24")	T	Solid	8270C	480-58302
480-18068-4	RB-04 (0-6")	T	Solid	8270C	480-58302
480-18068-5	RB-04 (6"-12"	T	Solid	8270C	480-58302
480-18068-6	RB-04 (12"-24")	T	Solid	8270C	480-58302
480-18068-7	RB-05 (0-6")	T	Solid	8270C	480-58302
480-18068-15MS	Matrix Spike	T	Solid	8270C	480-58302
480-18068-15MSD	Matrix Spike Duplicate	T	Solid	8270C	480-58302

Client: CHA Inc

Job Number: 480-18068-1

QC Association Summary

Lab Sample ID	Client Sample ID	Report Basis	Client Matrix	Method	Prep Batch
GC/MS Semi VOA					
Analysis Batch:480-58786					
480-18068-1	RB-03 (0-6")	T	Solid	8270C	480-58302
480-18068-8	RB-05 (6"-12"	T	Solid	8270C	480-58302
480-18068-9	RB-05 (12"-24")	T	Solid	8270C	480-58302
480-18068-10	RB-06 (0-6")	T	Solid	8270C	480-58302
480-18068-11	RB-06 (6"-12"	T	Solid	8270C	480-58302
480-18068-12	RB-06 (12"-24")	T	Solid	8270C	480-58302
480-18068-13	SB-A1 (15'-15'8")	T	Solid	8270C	480-58302
480-18068-14	SB-A2 (10'-11')	T	Solid	8270C	480-58302
480-18068-15	SB-A3 (5'-6'1")	T	Solid	8270C	480-58302
480-18068-16	DUP-03	T	Solid	8270C	480-58302

Report Basis

T = Total

Client: CHA Inc

Job Number: 480-18068-1

QC Association Summary

Lab Sample ID	Client Sample ID	Report Basis	Client Matrix	Method	Prep Batch
GC Semi VOA					
Prep Batch: 480-58267					
LCS 480-58267/2-A	Lab Control Sample	T	Solid	3550B	
MB 480-58267/1-A	Method Blank	T	Solid	3550B	
480-18068-1	RB-03 (0-6")	T	Solid	3550B	
480-18068-2	RB-03 (6"-12")	T	Solid	3550B	
480-18068-3	RB-03 (12"-24")	T	Solid	3550B	
480-18068-4	RB-04 (0-6")	T	Solid	3550B	
480-18068-5	RB-04 (6"-12"	T	Solid	3550B	
480-18068-6	RB-04 (12"-24")	T	Solid	3550B	
480-18068-7	RB-05 (0-6")	T	Solid	3550B	
480-18068-8	RB-05 (6"-12"	T	Solid	3550B	
480-18068-9	RB-05 (12"-24")	T	Solid	3550B	
480-18068-10	RB-06 (0-6")	T	Solid	3550B	
480-18068-11	RB-06 (6"-12"	T	Solid	3550B	
480-18068-12	RB-06 (12"-24")	T	Solid	3550B	
480-18068-12MS	Matrix Spike	T	Solid	3550B	
480-18068-12MSD	Matrix Spike Duplicate	T	Solid	3550B	
Analysis Batch:480-58319					
LCS 480-58267/2-A	Lab Control Sample	T	Solid	8082	480-58267
MB 480-58267/1-A	Method Blank	T	Solid	8082	480-58267
480-18068-1	RB-03 (0-6")	T	Solid	8082	480-58267
480-18068-2	RB-03 (6"-12")	T	Solid	8082	480-58267
480-18068-3	RB-03 (12"-24")	T	Solid	8082	480-58267
480-18068-4	RB-04 (0-6")	T	Solid	8082	480-58267
480-18068-5	RB-04 (6"-12"	T	Solid	8082	480-58267
480-18068-6	RB-04 (12"-24")	T	Solid	8082	480-58267
480-18068-7	RB-05 (0-6")	T	Solid	8082	480-58267
480-18068-8	RB-05 (6"-12"	T	Solid	8082	480-58267
480-18068-9	RB-05 (12"-24")	T	Solid	8082	480-58267
480-18068-10	RB-06 (0-6")	T	Solid	8082	480-58267
480-18068-11	RB-06 (6"-12"	T	Solid	8082	480-58267
480-18068-12	RB-06 (12"-24")	T	Solid	8082	480-58267
480-18068-12MS	Matrix Spike	T	Solid	8082	480-58267
480-18068-12MSD	Matrix Spike Duplicate	T	Solid	8082	480-58267

Report Basis

T = Total

Client: CHA Inc

Job Number: 480-18068-1

QC Association Summary

Lab Sample ID	Client Sample ID	Report Basis	Client Matrix	Method	Prep Batch
Metals					
Prep Batch: 480-58215					
LCSSRM 480-58215/2-A	LCS-Certified Reference Material	T	Solid	7471A	
MB 480-58215/1-A	Method Blank	T	Solid	7471A	
480-18068-1	RB-03 (0-6")	T	Solid	7471A	
480-18068-1MS	Matrix Spike	T	Solid	7471A	
480-18068-1MSD	Matrix Spike Duplicate	T	Solid	7471A	
480-18068-2	RB-03 (6"-12")	T	Solid	7471A	
480-18068-3	RB-03 (12"-24")	T	Solid	7471A	
480-18068-4	RB-04 (0-6")	T	Solid	7471A	
480-18068-5	RB-04 (6"-12"	T	Solid	7471A	
480-18068-6	RB-04 (12"-24")	T	Solid	7471A	
480-18068-7	RB-05 (0-6")	T	Solid	7471A	
480-18068-8	RB-05 (6"-12"	T	Solid	7471A	
480-18068-9	RB-05 (12"-24")	T	Solid	7471A	
480-18068-10	RB-06 (0-6")	T	Solid	7471A	
480-18068-11	RB-06 (6"-12"	T	Solid	7471A	
480-18068-12	RB-06 (12"-24")	T	Solid	7471A	
Prep Batch: 480-58242					
LCSSRM 480-58242/2-A	LCS-Certified Reference Material	T	Solid	3050B	
MB 480-58242/1-A	Method Blank	T	Solid	3050B	
480-18068-1	RB-03 (0-6")	T	Solid	3050B	
480-18068-2	RB-03 (6"-12")	T	Solid	3050B	
480-18068-3	RB-03 (12"-24")	T	Solid	3050B	
480-18068-3MS	Matrix Spike	T	Solid	3050B	
480-18068-3MSD	Matrix Spike Duplicate	T	Solid	3050B	
480-18068-4	RB-04 (0-6")	T	Solid	3050B	
480-18068-5	RB-04 (6"-12"	T	Solid	3050B	
480-18068-6	RB-04 (12"-24")	T	Solid	3050B	
480-18068-7	RB-05 (0-6")	T	Solid	3050B	
480-18068-8	RB-05 (6"-12"	T	Solid	3050B	
480-18068-9	RB-05 (12"-24")	T	Solid	3050B	
480-18068-10	RB-06 (0-6")	T	Solid	3050B	
480-18068-11	RB-06 (6"-12"	T	Solid	3050B	
480-18068-12	RB-06 (12"-24")	T	Solid	3050B	

Client: CHA Inc

Job Number: 480-18068-1

QC Association Summary

Lab Sample ID	Client Sample ID	Report Basis	Client Matrix	Method	Prep Batch
Metals					
Analysis Batch:480-58450					
LCSSRM 480-58242/2-A	LCS-Certified Reference Material	T	Solid	6010B	480-58242
MB 480-58242/1-A	Method Blank	T	Solid	6010B	480-58242
480-18068-1	RB-03 (0-6")	T	Solid	6010B	480-58242
480-18068-2	RB-03 (6"-12")	T	Solid	6010B	480-58242
480-18068-3	RB-03 (12"-24")	T	Solid	6010B	480-58242
480-18068-3MS	Matrix Spike	T	Solid	6010B	480-58242
480-18068-3MSD	Matrix Spike Duplicate	T	Solid	6010B	480-58242
480-18068-4	RB-04 (0-6")	T	Solid	6010B	480-58242
480-18068-5	RB-04 (6"-12"	T	Solid	6010B	480-58242
480-18068-6	RB-04 (12"-24")	T	Solid	6010B	480-58242
480-18068-7	RB-05 (0-6")	T	Solid	6010B	480-58242
480-18068-8	RB-05 (6"-12"	T	Solid	6010B	480-58242
480-18068-9	RB-05 (12"-24")	T	Solid	6010B	480-58242
480-18068-10	RB-06 (0-6")	T	Solid	6010B	480-58242
480-18068-11	RB-06 (6"-12"	T	Solid	6010B	480-58242
480-18068-12	RB-06 (12"-24")	T	Solid	6010B	480-58242
Analysis Batch:480-58512					
LCSSRM 480-58215/2-A	LCS-Certified Reference Material	T	Solid	7471A	480-58215
MB 480-58215/1-A	Method Blank	T	Solid	7471A	480-58215
480-18068-1	RB-03 (0-6")	T	Solid	7471A	480-58215
480-18068-1MS	Matrix Spike	T	Solid	7471A	480-58215
480-18068-1MSD	Matrix Spike Duplicate	T	Solid	7471A	480-58215
480-18068-2	RB-03 (6"-12")	T	Solid	7471A	480-58215
480-18068-3	RB-03 (12"-24")	T	Solid	7471A	480-58215
480-18068-4	RB-04 (0-6")	T	Solid	7471A	480-58215
480-18068-5	RB-04 (6"-12"	T	Solid	7471A	480-58215
480-18068-6	RB-04 (12"-24")	T	Solid	7471A	480-58215
480-18068-7	RB-05 (0-6")	T	Solid	7471A	480-58215
480-18068-8	RB-05 (6"-12"	T	Solid	7471A	480-58215
480-18068-9	RB-05 (12"-24")	T	Solid	7471A	480-58215
480-18068-10	RB-06 (0-6")	T	Solid	7471A	480-58215
480-18068-11	RB-06 (6"-12"	T	Solid	7471A	480-58215
480-18068-12	RB-06 (12"-24")	T	Solid	7471A	480-58215
Analysis Batch:480-58892					
480-18068-8	RB-05 (6"-12"	T	Solid	6010B	480-58242
480-18068-11	RB-06 (6"-12"	T	Solid	6010B	480-58242
480-18068-12	RB-06 (12"-24")	T	Solid	6010B	480-58242

Report Basis

T = Total

Client: CHA Inc

Job Number: 480-18068-1

QC Association Summary

Lab Sample ID	Client Sample ID	Report Basis	Client Matrix	Method	Prep Batch
General Chemistry					
Analysis Batch:480-58314					
480-18068-1	RB-03 (0-6")	T	Solid	Moisture	
480-18068-2	RB-03 (6"-12")	T	Solid	Moisture	
480-18068-3	RB-03 (12"-24")	T	Solid	Moisture	
480-18068-4	RB-04 (0-6")	T	Solid	Moisture	
480-18068-5	RB-04 (6"-12"	T	Solid	Moisture	
480-18068-6	RB-04 (12"-24")	T	Solid	Moisture	
480-18068-7	RB-05 (0-6")	T	Solid	Moisture	
480-18068-8	RB-05 (6"-12"	T	Solid	Moisture	
480-18068-9	RB-05 (12"-24")	T	Solid	Moisture	
480-18068-10	RB-06 (0-6")	T	Solid	Moisture	
480-18068-11	RB-06 (6"-12"	T	Solid	Moisture	
480-18068-12	RB-06 (12"-24")	T	Solid	Moisture	
480-18068-13	SB-A1 (15'-15'8")	T	Solid	Moisture	
480-18068-14	SB-A2 (10'-11')	T	Solid	Moisture	
480-18068-15	SB-A3 (5'-6'1")	T	Solid	Moisture	
480-18068-15MS	Matrix Spike	T	Solid	Moisture	
480-18068-15MSD	Matrix Spike Duplicate	T	Solid	Moisture	
480-18068-16	DUP-03	T	Solid	Moisture	

Report Basis

T = Total

Client: CHA Inc

Job Number: 480-18068-1

Laboratory Chronicle

Lab ID: 480-18068-1 **Client ID:** RB-03 (0-6")

Sample Date/Time: 04/02/2012 11:15 Received Date/Time: 04/04/2012 09:00

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:5035	480-18068-D-1-A		480-58567	480-58373	04/05/2012 15:51	1	TAL BUF	JMB
A:8260B	480-18068-D-1-A		480-58567	480-58373	04/06/2012 23:33	1	TAL BUF	JMB
P:3550B	480-18068-B-1-B		480-58786	480-58302	04/05/2012 10:44	1	TAL BUF	CM
A:8270C	480-18068-B-1-B		480-58786	480-58302	04/09/2012 18:40	1	TAL BUF	RMM
P:3550B	480-18068-B-1-A		480-58319	480-58267	04/05/2012 09:40	1	TAL BUF	MRB
A:8082	480-18068-B-1-A		480-58319	480-58267	04/05/2012 19:55	1	TAL BUF	JM
P:3050B	480-18068-C-1-D		480-58450	480-58242	04/05/2012 10:00	1	TAL BUF	SS
A:6010B	480-18068-C-1-D		480-58450	480-58242	04/05/2012 19:16	1	TAL BUF	MM
P:7471A	480-18068-C-1-A		480-58512	480-58215	04/05/2012 07:55	1	TAL BUF	JRK
A:7471A	480-18068-C-1-A		480-58512	480-58215	04/05/2012 11:41	1	TAL BUF	JRK
A:Moisture	480-18068-A-1		480-58314		04/05/2012 11:21	1	TAL BUF	ZLR

Lab ID: 480-18068-1 MS **Client ID:** RB-03 (0-6")

Sample Date/Time: 04/02/2012 11:15 Received Date/Time: 04/04/2012 09:00

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:7471A	480-18068-C-1-B MS		480-58512	480-58215	04/05/2012 07:55	1	TAL BUF	JRK
A:7471A	480-18068-C-1-B MS		480-58512	480-58215	04/05/2012 11:43	1	TAL BUF	JRK

Lab ID: 480-18068-1 MSD **Client ID:** RB-03 (0-6")

Sample Date/Time: 04/02/2012 11:15 Received Date/Time: 04/04/2012 09:00

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:7471A	480-18068-C-1-C MSD		480-58512	480-58215	04/05/2012 07:55	1	TAL BUF	JRK
A:7471A	480-18068-C-1-C MSD		480-58512	480-58215	04/05/2012 11:44	1	TAL BUF	JRK

Lab ID: 480-18068-1 SD **Client ID:** RB-03 (0-6")

Sample Date/Time: 04/02/2012 11:15 Received Date/Time: 04/04/2012 09:00

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:7471A	480-18068-C-1-A SD ^5		480-58512	480-58215	04/05/2012 07:55	5	TAL BUF	JRK
A:7471A	480-18068-C-1-A SD ^5		480-58512	480-58215	04/05/2012 11:42	5	TAL BUF	JRK

Client: CHA Inc

Job Number: 480-18068-1

Laboratory Chronicle

Lab ID: 480-18068-2 **Client ID:** RB-03 (6"-12")

Sample Date/Time: 04/02/2012 12:20 Received Date/Time: 04/04/2012 09:00

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:5035	480-18068-D-2-A		480-58567	480-58373	04/05/2012 15:51	1	TAL BUF	JMB
A:8260B	480-18068-D-2-A		480-58567	480-58373	04/06/2012 23:58	1	TAL BUF	JMB
P:3550B	480-18068-A-2-B		480-58507	480-58302	04/05/2012 10:44	5	TAL BUF	CM
A:8270C	480-18068-A-2-B		480-58507	480-58302	04/07/2012 00:37	5	TAL BUF	RMM
P:3550B	480-18068-A-2-A		480-58319	480-58267	04/05/2012 09:40	1	TAL BUF	MRB
A:8082	480-18068-A-2-A		480-58319	480-58267	04/05/2012 20:10	1	TAL BUF	JM
P:3050B	480-18068-C-2-B		480-58450	480-58242	04/05/2012 10:00	1	TAL BUF	SS
A:6010B	480-18068-C-2-B		480-58450	480-58242	04/05/2012 19:18	1	TAL BUF	MM
P:7471A	480-18068-C-2-A		480-58512	480-58215	04/05/2012 07:55	1	TAL BUF	JRK
A:7471A	480-18068-C-2-A		480-58512	480-58215	04/05/2012 11:48	1	TAL BUF	JRK
A:Moisture	480-18068-A-2		480-58314		04/05/2012 11:21	1	TAL BUF	ZLR

Lab ID: 480-18068-3 **Client ID:** RB-03 (12"-24")

Sample Date/Time: 04/02/2012 12:35 Received Date/Time: 04/04/2012 09:00

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:5035	480-18068-D-3-A		480-58567	480-58373	04/05/2012 15:51	1	TAL BUF	JMB
A:8260B	480-18068-D-3-A		480-58567	480-58373	04/07/2012 00:24	1	TAL BUF	JMB
P:3550B	480-18068-C-3-E		480-58507	480-58302	04/05/2012 10:44	5	TAL BUF	CM
A:8270C	480-18068-C-3-E		480-58507	480-58302	04/07/2012 01:01	5	TAL BUF	RMM
P:3550B	480-18068-C-3-D		480-58319	480-58267	04/05/2012 09:40	1	TAL BUF	MRB
A:8082	480-18068-C-3-D		480-58319	480-58267	04/05/2012 20:25	1	TAL BUF	JM
P:3050B	480-18068-C-3-A		480-58450	480-58242	04/05/2012 10:00	1	TAL BUF	SS
A:6010B	480-18068-C-3-A		480-58450	480-58242	04/05/2012 19:21	1	TAL BUF	MM
P:7471A	480-18068-B-3-A		480-58512	480-58215	04/05/2012 07:55	1	TAL BUF	JRK
A:7471A	480-18068-B-3-A		480-58512	480-58215	04/05/2012 11:50	1	TAL BUF	JRK
A:Moisture	480-18068-A-3		480-58314		04/05/2012 11:21	1	TAL BUF	ZLR

Lab ID: 480-18068-3 MS **Client ID:** RB-03 (12"-24")

Sample Date/Time: 04/02/2012 12:35 Received Date/Time: 04/04/2012 09:00

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:3050B	480-18068-C-3-B MS		480-58450	480-58242	04/05/2012 10:00	1	TAL BUF	SS
A:6010B	480-18068-C-3-B MS		480-58450	480-58242	04/05/2012 19:28	1	TAL BUF	MM

Client: CHA Inc

Job Number: 480-18068-1

Laboratory Chronicle

Lab ID: 480-18068-3 MSD **Client ID:** RB-03 (12"-24")

Sample Date/Time: 04/02/2012 12:35 Received Date/Time: 04/04/2012 09:00

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:3050B	480-18068-C-3-C MSD		480-58450	480-58242	04/05/2012 10:00	1	TAL BUF	SS
A:6010B	480-18068-C-3-C MSD		480-58450	480-58242	04/05/2012 19:35	1	TAL BUF	MM

Lab ID: 480-18068-3 SD **Client ID:** RB-03 (12"-24")

Sample Date/Time: 04/02/2012 12:35 Received Date/Time: 04/04/2012 09:00

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:3050B	480-18068-C-3-A SD ^5		480-58450	480-58242	04/05/2012 10:00	5	TAL BUF	SS
A:6010B	480-18068-C-3-A SD ^5		480-58450	480-58242	04/05/2012 19:23	5	TAL BUF	MM
P:3050B	480-18068-C-3-A PDS		480-58450	480-58242	04/05/2012 10:00	1	TAL BUF	SS
A:6010B	480-18068-C-3-A PDS		480-58450	480-58242	04/05/2012 19:25	1	TAL BUF	MM

Lab ID: 480-18068-4 **Client ID:** RB-04 (0-6")

Sample Date/Time: 04/02/2012 14:05 Received Date/Time: 04/04/2012 09:00

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:5035	480-18068-D-4-A		480-58567	480-58373	04/05/2012 15:51	1	TAL BUF	JMB
A:8260B	480-18068-D-4-A		480-58567	480-58373	04/07/2012 00:49	1	TAL BUF	JMB
P:3550B	480-18068-C-4-C		480-58507	480-58302	04/05/2012 10:44	1	TAL BUF	CM
A:8270C	480-18068-C-4-C		480-58507	480-58302	04/07/2012 01:25	1	TAL BUF	RMM
P:3550B	480-18068-C-4-B		480-58319	480-58267	04/05/2012 09:40	1	TAL BUF	MRB
A:8082	480-18068-C-4-B		480-58319	480-58267	04/05/2012 20:39	1	TAL BUF	JM
P:3050B	480-18068-C-4-A		480-58450	480-58242	04/05/2012 10:00	1	TAL BUF	SS
A:6010B	480-18068-C-4-A		480-58450	480-58242	04/05/2012 19:37	1	TAL BUF	MM
P:7471A	480-18068-B-4-A		480-58512	480-58215	04/05/2012 07:55	1	TAL BUF	JRK
A:7471A	480-18068-B-4-A		480-58512	480-58215	04/05/2012 11:51	1	TAL BUF	JRK
A:Moisture	480-18068-A-4		480-58314		04/05/2012 11:21	1	TAL BUF	ZLR

Client: CHA Inc

Job Number: 480-18068-1

Laboratory Chronicle

Lab ID: 480-18068-5 **Client ID:** RB-04 (6"-12"

Sample Date/Time: 04/02/2012 14:22 Received Date/Time: 04/04/2012 09:00

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:5035	480-18068-D-5-A		480-58567	480-58373	04/05/2012 15:51	1	TAL BUF	JMB
A:8260B	480-18068-D-5-A		480-58567	480-58373	04/07/2012 01:15	1	TAL BUF	JMB
P:3550B	480-18068-A-5-B		480-58507	480-58302	04/05/2012 10:44	1	TAL BUF	CM
A:8270C	480-18068-A-5-B		480-58507	480-58302	04/07/2012 01:49	1	TAL BUF	RMM
P:3550B	480-18068-A-5-A		480-58319	480-58267	04/05/2012 09:40	1	TAL BUF	MRB
A:8082	480-18068-A-5-A		480-58319	480-58267	04/05/2012 20:54	1	TAL BUF	JM
P:3050B	480-18068-C-5-A		480-58450	480-58242	04/05/2012 10:00	1	TAL BUF	SS
A:6010B	480-18068-C-5-A		480-58450	480-58242	04/05/2012 19:39	1	TAL BUF	MM
P:7471A	480-18068-B-5-A		480-58512	480-58215	04/05/2012 07:55	1	TAL BUF	JRK
A:7471A	480-18068-B-5-A		480-58512	480-58215	04/05/2012 11:52	1	TAL BUF	JRK
A:Moisture	480-18068-A-5		480-58314		04/05/2012 11:21	1	TAL BUF	ZLR

Lab ID: 480-18068-6 **Client ID:** RB-04 (12"-24")

Sample Date/Time: 04/02/2012 14:35 Received Date/Time: 04/04/2012 09:00

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:5035	480-18068-D-6-A		480-58567	480-58373	04/05/2012 15:51	1	TAL BUF	JMB
A:8260B	480-18068-D-6-A		480-58567	480-58373	04/07/2012 01:40	1	TAL BUF	JMB
P:3550B	480-18068-B-6-B		480-58507	480-58302	04/05/2012 10:44	1	TAL BUF	CM
A:8270C	480-18068-B-6-B		480-58507	480-58302	04/07/2012 02:12	1	TAL BUF	RMM
P:3550B	480-18068-B-6-A		480-58319	480-58267	04/05/2012 09:40	1	TAL BUF	MRB
A:8082	480-18068-B-6-A		480-58319	480-58267	04/05/2012 21:09	1	TAL BUF	JM
P:3050B	480-18068-C-6-B		480-58450	480-58242	04/05/2012 10:00	1	TAL BUF	SS
A:6010B	480-18068-C-6-B		480-58450	480-58242	04/05/2012 19:42	1	TAL BUF	MM
P:7471A	480-18068-C-6-A		480-58512	480-58215	04/05/2012 07:55	1	TAL BUF	JRK
A:7471A	480-18068-C-6-A		480-58512	480-58215	04/05/2012 11:54	1	TAL BUF	JRK
A:Moisture	480-18068-A-6		480-58314		04/05/2012 11:21	1	TAL BUF	ZLR

Client: CHA Inc

Job Number: 480-18068-1

Laboratory Chronicle

Lab ID: 480-18068-7 **Client ID:** RB-05 (0-6")

Sample Date/Time: 04/02/2012 14:55 Received Date/Time: 04/04/2012 09:00

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:5035	480-18068-D-7-A		480-58567	480-58373	04/05/2012 15:51	1	TAL BUF	JMB
A:8260B	480-18068-D-7-A		480-58567	480-58373	04/07/2012 02:05	1	TAL BUF	JMB
P:3550B	480-18068-B-7-B		480-58507	480-58302	04/05/2012 10:44	10	TAL BUF	CM
A:8270C	480-18068-B-7-B		480-58507	480-58302	04/07/2012 02:36	10	TAL BUF	RMM
P:3550B	480-18068-B-7-A		480-58319	480-58267	04/05/2012 09:40	1	TAL BUF	MRB
A:8082	480-18068-B-7-A		480-58319	480-58267	04/05/2012 21:24	1	TAL BUF	JM
P:3050B	480-18068-C-7-A		480-58450	480-58242	04/05/2012 10:00	1	TAL BUF	SS
A:6010B	480-18068-C-7-A		480-58450	480-58242	04/05/2012 19:44	1	TAL BUF	MM
P:7471A	480-18068-A-7-A		480-58512	480-58215	04/05/2012 07:55	1	TAL BUF	JRK
A:7471A	480-18068-A-7-A		480-58512	480-58215	04/05/2012 11:55	1	TAL BUF	JRK
A:Moisture	480-18068-A-7		480-58314		04/05/2012 11:21	1	TAL BUF	ZLR

Lab ID: 480-18068-8 **Client ID:** RB-05 (6"-12"

Sample Date/Time: 04/02/2012 15:10 Received Date/Time: 04/04/2012 09:00

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:5035	480-18068-D-8-A		480-58567	480-58373	04/05/2012 15:51	1	TAL BUF	JMB
A:8260B	480-18068-D-8-A		480-58567	480-58373	04/07/2012 02:31	1	TAL BUF	JMB
P:3550B	480-18068-B-8-B		480-58786	480-58302	04/05/2012 10:44	5	TAL BUF	CM
A:8270C	480-18068-B-8-B		480-58786	480-58302	04/09/2012 19:04	5	TAL BUF	RMM
P:3550B	480-18068-B-8-A		480-58319	480-58267	04/05/2012 09:40	1	TAL BUF	MRB
A:8082	480-18068-B-8-A		480-58319	480-58267	04/05/2012 21:38	1	TAL BUF	JM
P:3050B	480-18068-C-8-A		480-58450	480-58242	04/05/2012 10:00	1	TAL BUF	SS
A:6010B	480-18068-C-8-A		480-58450	480-58242	04/05/2012 19:47	1	TAL BUF	MM
P:3050B	480-18068-C-8-A ^5		480-58892	480-58242	04/05/2012 10:00	5	TAL BUF	SS
A:6010B	480-18068-C-8-A ^5		480-58892	480-58242	04/09/2012 19:11	5	TAL BUF	MM
P:7471A	480-18068-A-8-A		480-58512	480-58215	04/05/2012 07:55	1	TAL BUF	JRK
A:7471A	480-18068-A-8-A		480-58512	480-58215	04/05/2012 11:56	1	TAL BUF	JRK
A:Moisture	480-18068-A-8		480-58314		04/05/2012 11:21	1	TAL BUF	ZLR

Client: CHA Inc

Job Number: 480-18068-1

Laboratory Chronicle

Lab ID: 480-18068-9 **Client ID:** RB-05 (12"-24")

Sample Date/Time: 04/02/2012 15:25 Received Date/Time: 04/04/2012 09:00

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:5035	480-18068-D-9-A		480-58567	480-58373	04/05/2012 15:51	1	TAL BUF	JMB
A:8260B	480-18068-D-9-A		480-58567	480-58373	04/07/2012 02:56	1	TAL BUF	JMB
P:3550B	480-18068-C-9-C		480-58786	480-58302	04/05/2012 10:44	10	TAL BUF	CM
A:8270C	480-18068-C-9-C		480-58786	480-58302	04/09/2012 19:28	10	TAL BUF	RMM
P:3550B	480-18068-C-9-B		480-58319	480-58267	04/05/2012 09:40	1	TAL BUF	MRB
A:8082	480-18068-C-9-B		480-58319	480-58267	04/05/2012 21:53	1	TAL BUF	JM
P:3050B	480-18068-C-9-A		480-58450	480-58242	04/05/2012 10:00	1	TAL BUF	SS
A:6010B	480-18068-C-9-A		480-58450	480-58242	04/05/2012 19:49	1	TAL BUF	MM
P:7471A	480-18068-A-9-A		480-58512	480-58215	04/05/2012 07:55	1	TAL BUF	JRK
A:7471A	480-18068-A-9-A		480-58512	480-58215	04/05/2012 11:57	1	TAL BUF	JRK
A:Moisture	480-18068-A-9		480-58314		04/05/2012 11:21	1	TAL BUF	ZLR

Lab ID: 480-18068-10 **Client ID:** RB-06 (0-6")

Sample Date/Time: 04/02/2012 16:10 Received Date/Time: 04/04/2012 09:00

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:5035	480-18068-E-10-A		480-58567	480-58373	04/05/2012 15:51	1	TAL BUF	JMB
A:8260B	480-18068-E-10-A		480-58567	480-58373	04/07/2012 03:22	1	TAL BUF	JMB
P:3550B	480-18068-B-10-B		480-58786	480-58302	04/05/2012 10:44	5	TAL BUF	CM
A:8270C	480-18068-B-10-B		480-58786	480-58302	04/09/2012 19:51	5	TAL BUF	RMM
P:3550B	480-18068-B-10-A		480-58319	480-58267	04/05/2012 09:40	1	TAL BUF	MRB
A:8082	480-18068-B-10-A		480-58319	480-58267	04/05/2012 22:08	1	TAL BUF	JM
P:3050B	480-18068-C-10-B		480-58450	480-58242	04/05/2012 10:00	1	TAL BUF	SS
A:6010B	480-18068-C-10-B		480-58450	480-58242	04/05/2012 19:51	1	TAL BUF	MM
P:7471A	480-18068-C-10-A ^10		480-58512	480-58215	04/05/2012 07:55	10	TAL BUF	JRK
A:7471A	480-18068-C-10-A ^10		480-58512	480-58215	04/05/2012 12:35	10	TAL BUF	JRK
A:Moisture	480-18068-A-10		480-58314		04/05/2012 11:21	1	TAL BUF	ZLR

Client: CHA Inc

Job Number: 480-18068-1

Laboratory Chronicle

Lab ID: 480-18068-11 **Client ID:** RB-06 (6"-12"

Sample Date/Time: 04/02/2012 16:25 Received Date/Time: 04/04/2012 09:00

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:5035	480-18068-D-11-A		480-58567	480-58373	04/05/2012 15:51	1	TAL BUF	JMB
A:8260B	480-18068-D-11-A		480-58567	480-58373	04/07/2012 03:47	1	TAL BUF	JMB
P:3550B	480-18068-B-11-B		480-58786	480-58302	04/05/2012 10:44	5	TAL BUF	CM
A:8270C	480-18068-B-11-B		480-58786	480-58302	04/09/2012 20:15	5	TAL BUF	RMM
P:3550B	480-18068-B-11-A		480-58319	480-58267	04/05/2012 09:40	1	TAL BUF	MRB
A:8082	480-18068-B-11-A		480-58319	480-58267	04/05/2012 22:52	1	TAL BUF	JM
P:3050B	480-18068-C-11-A		480-58450	480-58242	04/05/2012 10:00	1	TAL BUF	SS
A:6010B	480-18068-C-11-A		480-58450	480-58242	04/05/2012 19:53	1	TAL BUF	MM
P:3050B	480-18068-C-11-A ^5		480-58892	480-58242	04/05/2012 10:00	5	TAL BUF	SS
A:6010B	480-18068-C-11-A ^5		480-58892	480-58242	04/09/2012 19:19	5	TAL BUF	MM
P:7471A	480-18068-A-11-A ^10		480-58512	480-58215	04/05/2012 07:55	10	TAL BUF	JRK
A:7471A	480-18068-A-11-A ^10		480-58512	480-58215	04/05/2012 12:37	10	TAL BUF	JRK
A:Moisture	480-18068-A-11		480-58314		04/05/2012 11:21	1	TAL BUF	ZLR

Lab ID: 480-18068-12 **Client ID:** RB-06 (12"-24")

Sample Date/Time: 04/02/2012 16:35 Received Date/Time: 04/04/2012 09:00

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:5035	480-18068-D-12-A		480-58567	480-58373	04/05/2012 15:51	1	TAL BUF	JMB
A:8260B	480-18068-D-12-A		480-58567	480-58373	04/07/2012 04:13	1	TAL BUF	JMB
P:3550B	480-18068-A-12-D		480-58786	480-58302	04/05/2012 10:44	10	TAL BUF	CM
A:8270C	480-18068-A-12-D		480-58786	480-58302	04/09/2012 20:38	10	TAL BUF	RMM
P:3550B	480-18068-A-12-C		480-58319	480-58267	04/05/2012 09:40	1	TAL BUF	MRB
A:8082	480-18068-A-12-C		480-58319	480-58267	04/05/2012 23:07	1	TAL BUF	JM
P:3050B	480-18068-C-12-A		480-58450	480-58242	04/05/2012 10:00	1	TAL BUF	SS
A:6010B	480-18068-C-12-A		480-58450	480-58242	04/05/2012 19:56	1	TAL BUF	MM
P:3050B	480-18068-C-12-A ^5		480-58892	480-58242	04/05/2012 10:00	5	TAL BUF	SS
A:6010B	480-18068-C-12-A ^5		480-58892	480-58242	04/09/2012 19:21	5	TAL BUF	MM
P:7471A	480-18068-B-12-A ^10		480-58512	480-58215	04/05/2012 07:55	10	TAL BUF	JRK
A:7471A	480-18068-B-12-A ^10		480-58512	480-58215	04/05/2012 12:38	10	TAL BUF	JRK
A:Moisture	480-18068-A-12		480-58314		04/05/2012 11:21	1	TAL BUF	ZLR

Client: CHA Inc

Job Number: 480-18068-1

Laboratory Chronicle

Lab ID: 480-18068-12 MS **Client ID:** RB-06 (12"-24")

Sample Date/Time: 04/02/2012 16:35 Received Date/Time: 04/04/2012 09:00

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:3550B	480-18068-A-12-A MS		480-58319	480-58267	04/05/2012 09:40	1	TAL BUF	MRB
A:8082	480-18068-A-12-A MS		480-58319	480-58267	04/05/2012 23:22	1	TAL BUF	JM

Lab ID: 480-18068-12 MSD **Client ID:** RB-06 (12"-24")

Sample Date/Time: 04/02/2012 16:35 Received Date/Time: 04/04/2012 09:00

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:3550B	480-18068-A-12-B MSD		480-58319	480-58267	04/05/2012 09:40	1	TAL BUF	MRB
A:8082	480-18068-A-12-B MSD		480-58319	480-58267	04/05/2012 23:36	1	TAL BUF	JM

Lab ID: 480-18068-13 **Client ID:** SB-A1 (15'-15'8")

Sample Date/Time: 04/03/2012 09:05 Received Date/Time: 04/04/2012 09:00

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:5035	480-18068-B-13-A		480-58567	480-58373	04/05/2012 15:51	1	TAL BUF	JMB
A:8260B	480-18068-B-13-A		480-58567	480-58373	04/07/2012 04:38	1	TAL BUF	JMB
P:3550B	480-18068-A-13-A		480-58786	480-58302	04/05/2012 10:44	20	TAL BUF	CM
A:8270C	480-18068-A-13-A		480-58786	480-58302	04/09/2012 21:02	20	TAL BUF	RMM
A:Moisture	480-18068-A-13		480-58314		04/05/2012 11:21	1	TAL BUF	ZLR

Lab ID: 480-18068-14 **Client ID:** SB-A2 (10'-11')

Sample Date/Time: 04/03/2012 09:58 Received Date/Time: 04/04/2012 09:00

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:5035	480-18068-B-14-A		480-58567	480-58373	04/05/2012 15:51	1	TAL BUF	JMB
A:8260B	480-18068-B-14-A		480-58567	480-58373	04/07/2012 05:03	1	TAL BUF	JMB
P:3550B	480-18068-A-14-A		480-58786	480-58302	04/05/2012 10:44	5	TAL BUF	CM
A:8270C	480-18068-A-14-A		480-58786	480-58302	04/09/2012 21:25	5	TAL BUF	RMM
A:Moisture	480-18068-A-14		480-58314		04/05/2012 11:21	1	TAL BUF	ZLR

Client: CHA Inc

Job Number: 480-18068-1

Laboratory Chronicle

Lab ID: 480-18068-15 **Client ID:** SB-A3 (5'-6'1")

Sample Date/Time: 04/03/2012 11:48 Received Date/Time: 04/04/2012 09:00

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:5035	480-18068-B-15-A		480-58567	480-58373	04/05/2012 15:51	1	TAL BUF	JMB
A:8260B	480-18068-B-15-A		480-58567	480-58373	04/07/2012 05:29	1	TAL BUF	JMB
P:3550B	480-18068-A-15-C		480-58786	480-58302	04/05/2012 10:44	1	TAL BUF	CM
A:8270C	480-18068-A-15-C		480-58786	480-58302	04/09/2012 21:48	1	TAL BUF	RMM
A:Moisture	480-18068-A-15		480-58314		04/05/2012 11:21	1	TAL BUF	ZLR

Lab ID: 480-18068-15 **Client ID:** SB-A3 (5'-6'1")

Sample Date/Time: 04/03/2012 11:48 Received Date/Time: 04/04/2012 09:00

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:5035	480-18068-B-15-B MS		480-58567	480-58373	04/05/2012 15:51	1	TAL BUF	JMB
A:8260B	480-18068-B-15-B MS		480-58567	480-58373	04/07/2012 05:54	1	TAL BUF	JMB
P:3550B	480-18068-A-15-A MS		480-58507	480-58302	04/05/2012 10:44	1	TAL BUF	CM
A:8270C	480-18068-A-15-A MS		480-58507	480-58302	04/06/2012 23:02	1	TAL BUF	RMM
A:Moisture	480-18068-A-15 MS		480-58314		04/05/2012 11:21	1	TAL BUF	ZLR

Lab ID: 480-18068-15 **Client ID:** SB-A3 (5'-6'1")

Sample Date/Time: 04/03/2012 11:48 Received Date/Time: 04/04/2012 09:00

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:5035	480-18068-B-15-C MSD		480-58567	480-58373	04/05/2012 15:51	1	TAL BUF	JMB
A:8260B	480-18068-B-15-C MSD		480-58567	480-58373	04/07/2012 06:19	1	TAL BUF	JMB
P:3550B	480-18068-A-15-B MSD		480-58507	480-58302	04/05/2012 10:44	1	TAL BUF	CM
A:8270C	480-18068-A-15-B MSD		480-58507	480-58302	04/06/2012 23:26	1	TAL BUF	RMM
A:Moisture	480-18068-A-15 MSD		480-58314		04/05/2012 11:21	1	TAL BUF	ZLR

Lab ID: 480-18068-16 **Client ID:** DUP-03

Sample Date/Time: 04/03/2012 10:30 Received Date/Time: 04/04/2012 09:00

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:5035	480-18068-C-16-A		480-58856	480-58917	04/10/2012 11:50	1	TAL BUF	JMB
A:8260B	480-18068-C-16-A		480-58856	480-58917	04/10/2012 17:36	1	TAL BUF	CDC
P:3550B	480-18068-A-16-A		480-58786	480-58302	04/05/2012 10:44	1	TAL BUF	CM
A:8270C	480-18068-A-16-A		480-58786	480-58302	04/09/2012 22:12	1	TAL BUF	RMM
A:Moisture	480-18068-A-16		480-58314		04/05/2012 11:21	1	TAL BUF	ZLR

Client: CHA Inc

Job Number: 480-18068-1

Laboratory Chronicle

Lab ID: 480-18068-17 **Client ID:** EQUIPMENT BLANK

Sample Date/Time: 04/03/2012 12:10 Received Date/Time: 04/04/2012 09:00

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:5030B	480-18068-C-17		480-58634		04/07/2012 23:51	1	TAL BUF	RL
A:8260B	480-18068-C-17		480-58634		04/07/2012 23:51	1	TAL BUF	RL
P:3510C	480-18068-B-17-A		480-58387	480-58223	04/05/2012 07:38	1	TAL BUF	TR
A:8270C	480-18068-B-17-A		480-58387	480-58223	04/06/2012 11:16	1	TAL BUF	RMM

Lab ID: 480-18068-18 **Client ID:** TRIP BLANK

Sample Date/Time: 04/03/2012 00:00 Received Date/Time: 04/04/2012 09:00

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:5030B	480-18068-A-18		480-58634		04/08/2012 00:14	1	TAL BUF	RL
A:8260B	480-18068-A-18		480-58634		04/08/2012 00:14	1	TAL BUF	RL

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 480-58567/5		480-58567		04/06/2012 22:52	1	TAL BUF	JMB
P:5030B	MB 480-58634/5		480-58634		04/07/2012 23:06	1	TAL BUF	RL
A:8260B	MB 480-58634/5		480-58634		04/07/2012 23:06	1	TAL BUF	RL
A:8260B	MB 480-58856/6		480-58856		04/10/2012 11:15	1	TAL BUF	CDC
P:3510C	MB 480-58223/1-A		480-58387	480-58223	04/05/2012 07:38	1	TAL BUF	TR
A:8270C	MB 480-58223/1-A		480-58387	480-58223	04/06/2012 05:02	1	TAL BUF	RMM
P:3550B	MB 480-58302/1-A		480-58507	480-58302	04/05/2012 10:44	1	TAL BUF	CM
A:8270C	MB 480-58302/1-A		480-58507	480-58302	04/06/2012 22:15	1	TAL BUF	RMM
P:3550B	MB 480-58267/1-A		480-58319	480-58267	04/05/2012 09:40	1	TAL BUF	MRB
A:8082	MB 480-58267/1-A		480-58319	480-58267	04/05/2012 18:12	1	TAL BUF	JM
P:3050B	MB 480-58242/1-A		480-58450	480-58242	04/05/2012 10:00	1	TAL BUF	SS
A:6010B	MB 480-58242/1-A		480-58450	480-58242	04/05/2012 19:11	1	TAL BUF	MM
P:7471A	MB 480-58215/1-A		480-58512	480-58215	04/05/2012 07:55	1	TAL BUF	JRK
A:7471A	MB 480-58215/1-A		480-58512	480-58215	04/05/2012 11:33	1	TAL BUF	JRK

Client: CHA Inc

Job Number: 480-18068-1

Laboratory Chronicle

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

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

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
A:8260B	LCS 480-58567/4		480-58567		04/06/2012 22:26	1	TAL BUF	JMB
P:5030B	LCS 480-58634/4		480-58634		04/07/2012 22:42	1	TAL BUF	RL
A:8260B	LCS 480-58634/4		480-58634		04/07/2012 22:42	1	TAL BUF	RL
A:8260B	LCS 480-58856/5		480-58856		04/10/2012 10:50	1	TAL BUF	CDC
P:3510C	LCS 480-58223/2-A		480-58387	480-58223	04/05/2012 07:38	1	TAL BUF	TR
A:8270C	LCS 480-58223/2-A		480-58387	480-58223	04/06/2012 05:25	1	TAL BUF	RMM
P:3550B	LCS 480-58302/2-A		480-58507	480-58302	04/05/2012 10:44	1	TAL BUF	CM
A:8270C	LCS 480-58302/2-A		480-58507	480-58302	04/06/2012 22:38	1	TAL BUF	RMM
P:3550B	LCS 480-58267/2-A		480-58319	480-58267	04/05/2012 09:40	1	TAL BUF	MRB
A:8082	LCS 480-58267/2-A		480-58319	480-58267	04/05/2012 18:27	1	TAL BUF	JM

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

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

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:3050B	LCSSRM 480-58242/2-A		480-58450	480-58242	04/05/2012 10:00	1	TAL BUF	SS
A:6010B	LCSSRM 480-58242/2-A		480-58450	480-58242	04/05/2012 19:13	1	TAL BUF	MM
P:7471A	LCSSRM 480-58215/2-A		480-58512	480-58215	04/05/2012 07:55	1	TAL BUF	JRK
A:7471A	LCSSRM 480-58215/2-A		480-58512	480-58215	04/05/2012 11:34	1	TAL BUF	JRK

Lab References:

TAL BUF = TestAmerica Buffalo

Certification Summary

Client: CHA Inc
Project/Site: ALCO-Maxon Site

TestAmerica Job ID: 480-18068-1

Laboratory	Authority	Program	EPA Region	Certification ID
TestAmerica Buffalo	Arkansas DEQ	State Program	6	88-0686
TestAmerica Buffalo	California	NELAC	9	1169CA
TestAmerica Buffalo	Connecticut	State Program	1	PH-0568
TestAmerica Buffalo	Florida	NELAC	4	E87672
TestAmerica Buffalo	Georgia	State Program	4	956
TestAmerica Buffalo	Georgia	State Program	4	N/A
TestAmerica Buffalo	Illinois	NELAC	5	100325 / 200003
TestAmerica Buffalo	Iowa	State Program	7	374
TestAmerica Buffalo	Kansas	NELAC	7	E-10187
TestAmerica Buffalo	Kentucky	State Program	4	90029
TestAmerica Buffalo	Kentucky (UST)	State Program	4	30
TestAmerica Buffalo	Louisiana	NELAC	6	02031
TestAmerica Buffalo	Maine	State Program	1	NY0044
TestAmerica Buffalo	Maryland	State Program	3	294
TestAmerica Buffalo	Massachusetts	State Program	1	M-NY044
TestAmerica Buffalo	Michigan	State Program	5	9937
TestAmerica Buffalo	Minnesota	NELAC	5	036-999-337
TestAmerica Buffalo	New Hampshire	NELAC	1	2337
TestAmerica Buffalo	New Hampshire	NELAC	1	68-00281
TestAmerica Buffalo	New Jersey	NELAC	2	NY455
TestAmerica Buffalo	New York	NELAC	2	10026
TestAmerica Buffalo	North Dakota	State Program	8	R-176
TestAmerica Buffalo	Oklahoma	State Program	6	9421
TestAmerica Buffalo	Oregon	NELAC	10	NY200003
TestAmerica Buffalo	Pennsylvania	NELAC	3	68-00281
TestAmerica Buffalo	Tennessee	State Program	4	TN02970
TestAmerica Buffalo	Texas	NELAC	6	T104704412-08-TX
TestAmerica Buffalo	USDA	Federal		P330-08-00242
TestAmerica Buffalo	Virginia	NELAC	3	460185
TestAmerica Buffalo	Virginia	State Program	3	278
TestAmerica Buffalo	Washington	State Program	10	C1677
TestAmerica Buffalo	West Virginia DEP	State Program	3	252
TestAmerica Buffalo	Wisconsin	State Program	5	998310390

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

Method 8260B

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

FORM II
GC/MS VOA SURROGATE RECOVERY

Lab Name: TestAmerica Buffalo Job No.: 480-18068-1

SDG No.:

Matrix: Solid Level: Low

GC Column (1): ZB-624 (60) ID: 0.25 (mm)

Client Sample ID	Lab Sample ID	DCA #	TOL #	BFB #
RB-03 (0-6")	480-18068-1	98	103	99
RB-03 (6"-12")	480-18068-2	101	105	100
RB-03 (12"-24")	480-18068-3	114	100	101
RB-04 (0-6")	480-18068-4	102	106	100
RB-04 (6"-12"	480-18068-5	101	104	98
RB-04 (12"-24")	480-18068-6	98	103	97
RB-05 (0-6")	480-18068-7	102	107	99
RB-05 (6"-12"	480-18068-8	100	106	96
RB-05 (12"-24")	480-18068-9	101	104	97
RB-06 (0-6")	480-18068-10	99	105	97
RB-06 (6"-12"	480-18068-11	102	106	97
RB-06 (12"-24")	480-18068-12	102	104	96
SB-A1 (15'-15'8")	480-18068-13	101	107	91
SB-A2 (10'-11')	480-18068-14	102	106	96
SB-A3 (5'-6'1")	480-18068-15	102	103	98
DUP-03	480-18068-16	96	110	106
	MB 480-58567/5	94	105	100
	MB 480-58856/6	89	108	107
	LCS 480-58567/4	96	104	100
	LCS 480-58856/5	96	108	109
SB-A3 (5'-6'1") MS	480-18068-15 MS	92	104	97
SB-A3 (5'-6'1") MSD	480-18068-15 MSD	92	104	97

	QC LIMITS
DCA = 1,2-Dichloroethane-d4 (Surr)	64-126
TOL = Toluene-d8 (Surr)	71-125
BFB = 4-Bromofluorobenzene (Surr)	72-126

Column to be used to flag recovery values

FORM II 8260B

FORM II
GC/MS VOA SURROGATE RECOVERY

Lab Name: TestAmerica Buffalo Job No.: 480-18068-1

SDG No.:

Matrix: Water Level: Low

GC Column (1): ZB-624 (60) ID: 0.25 (mm)

Client Sample ID	Lab Sample ID	DCA #	TOL #	BFB #
EQUIPMENT BLANK	480-18068-17	104	108	109
TRIP BLANK	480-18068-18	107	110	110
	MB 480-58634/5	108	110	110
	LCS 480-58634/4	108	112	113

	QC LIMITS
DCA = 1,2-Dichloroethane-d4 (Surr)	66-137
TOL = Toluene-d8 (Surr)	71-126
BFB = 4-Bromofluorobenzene (Surr)	73-120

Column to be used to flag recovery values

FORM II 8260B

FORM III
GC/MS VOA LAB CONTROL SAMPLE RECOVERY

Lab Name: TestAmerica Buffalo Job No.: 480-18068-1

SDG No.:

Matrix: Solid Level: Low Lab File ID: F7880.D

Lab ID: LCS 480-58567/4 Client ID:

COMPOUND	SPIKE ADDED (ug/Kg)	LCS CONCENTRATION (ug/Kg)	LCS % REC	QC LIMITS REC	#
1,1-Dichloroethane	50.0	45.1	90	79-126	
1,1-Dichloroethene	50.0	39.9	80	65-153	
1,2-Dichlorobenzene	50.0	48.8	98	75-120	
1,2-Dichloroethane	50.0	43.6	87	77-122	
Benzene	50.0	47.7	95	79-127	
Chlorobenzene	50.0	47.4	95	76-124	
cis-1,2-Dichloroethene	50.0	47.8	96	81-117	
Ethylbenzene	50.0	48.2	96	80-120	
Methyl tert-butyl ether	50.0	44.5	89	63-125	
Tetrachloroethene	50.0	47.4	95	74-122	
Toluene	50.0	47.7	95	74-128	
trans-1,2-Dichloroethene	50.0	48.2	96	78-126	
Trichloroethene	50.0	46.2	92	77-129	

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 Buffalo Job No.: 480-18068-1

SDG No.:

Matrix: Water Level: Low Lab File ID: G10803.D

Lab ID: LCS 480-58634/4 Client ID:

COMPOUND	SPIKE ADDED (ug/L)	LCS CONCENTRATION (ug/L)	LCS % REC	QC LIMITS REC	#
1,1-Dichloroethane	25.0	30.4	122	71-129	
1,1-Dichloroethene	25.0	20.8	83	65-138	
1,2-Dichlorobenzene	25.0	27.0	108	77-120	
1,2-Dichloroethane	25.0	24.3	97	75-127	
Benzene	25.0	26.0	104	71-124	
Chlorobenzene	25.0	27.3	109	72-120	
cis-1,2-Dichloroethene	25.0	29.5	118	74-124	
Ethylbenzene	25.0	27.4	110	77-123	
Methyl tert-butyl ether	25.0	25.7	103	64-127	
Tetrachloroethene	25.0	27.3	109	74-122	
Toluene	25.0	26.9	108	70-122	
trans-1,2-Dichloroethene	25.0	25.8	103	73-127	
Trichloroethene	25.0	25.4	102	74-123	

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 Buffalo Job No.: 480-18068-1

SDG No.:

Matrix: Solid Level: Low Lab File ID: F7962.D

Lab ID: LCS 480-58856/5 Client ID:

COMPOUND	SPIKE ADDED (ug/Kg)	LCS CONCENTRATION (ug/Kg)	LCS % REC	QC LIMITS REC	#
1,1-Dichloroethane	50.0	44.8	90	79-126	
1,1-Dichloroethene	50.0	40.5	81	65-153	
1,2-Dichlorobenzene	50.0	47.4	95	75-120	
1,2-Dichloroethane	50.0	42.9	86	77-122	
Benzene	50.0	46.1	92	79-127	
Chlorobenzene	50.0	49.2	98	76-124	
cis-1,2-Dichloroethene	50.0	47.0	94	81-117	
Ethylbenzene	50.0	48.0	96	80-120	
Methyl tert-butyl ether	50.0	42.8	86	63-125	
Tetrachloroethene	50.0	50.6	101	74-122	
Toluene	50.0	47.9	96	74-128	
trans-1,2-Dichloroethene	50.0	47.5	95	78-126	
Trichloroethene	50.0	45.2	90	77-129	

Column to be used to flag recovery and RPD values

FORM III 8260B

FORM III
GC/MS VOA MATRIX SPIKE RECOVERY

Lab Name: TestAmerica Buffalo Job No.: 480-18068-1

SDG No.:

Matrix: Solid Level: Low Lab File ID: F7897.D

Lab ID: 480-18068-15 MS Client ID: SB-A3 (5'-6'1") MS

COMPOUND	SPIKE ADDED (ug/Kg)	SAMPLE CONCENTRATION (ug/Kg)	MS CONCENTRATION (ug/Kg)	MS % REC	QC LIMITS REC	#
1,1-Dichloroethane	50.5	ND	43.9	87	79-126	
1,1-Dichloroethene	50.5	ND	38.6	76	65-153	
1,2-Dichlorobenzene	50.5	ND	39.4	78	75-120	
1,2-Dichloroethane	50.5	ND	40.0	79	77-122	
Benzene	50.5	ND	44.5	88	79-127	
Chlorobenzene	50.5	ND	41.7	83	76-124	
cis-1,2-Dichloroethene	50.5	ND	44.0	87	81-117	
Ethylbenzene	50.5	ND	42.6	84	80-120	
Methyl tert-butyl ether	50.5	ND	37.8	75	63-125	
Tetrachloroethene	50.5	ND	40.8	81	74-122	
Toluene	50.5	ND	43.3	86	74-128	
trans-1,2-Dichloroethene	50.5	ND	45.5	90	78-126	
Trichloroethene	50.5	ND	42.0	83	77-129	

Column to be used to flag recovery and RPD values

FORM III 8260B

FORM III
GC/MS VOA MATRIX SPIKE DUPLICATE RECOVERY

Lab Name: TestAmerica Buffalo Job No.: 480-18068-1

SDG No.:

Matrix: Solid Level: Low Lab File ID: F7898.D

Lab ID: 480-18068-15 MSD Client ID: SB-A3 (5'-6'1") MSD

COMPOUND	SPIKE ADDED (ug/Kg)	MSD CONCENTRATION (ug/Kg)	MSD % REC	% RPD	QC LIMITS RPD	QC LIMITS REC	#
1,1-Dichloroethane	54.2	48.6	90	10	30	79-126	
1,1-Dichloroethene	54.2	42.7	79	10	30	65-153	
1,2-Dichlorobenzene	54.2	43.5	80	10	30	75-120	
1,2-Dichloroethane	54.2	42.9	79	7	30	77-122	
Benzene	54.2	48.9	90	10	30	79-127	
Chlorobenzene	54.2	45.8	84	9	30	76-124	
cis-1,2-Dichloroethene	54.2	48.8	90	10	30	81-117	
Ethylbenzene	54.2	47.4	87	11	30	80-120	
Methyl tert-butyl ether	54.2	40.6	75	7	30	63-125	
Tetrachloroethene	54.2	45.2	83	10	30	74-122	
Toluene	54.2	48.3	89	11	30	74-128	
trans-1,2-Dichloroethene	54.2	50.6	93	11	30	78-126	
Trichloroethene	54.2	47.3	87	12	30	77-129	

Column to be used to flag recovery and RPD values

FORM III 8260B

FORM IV
GC/MS VOA METHOD BLANK SUMMARY

Lab Name: TestAmerica Buffalo Job No.: 480-18068-1

SDG No.:

Lab File ID: F7881.D Lab Sample ID: MB 480-58567/5

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

Instrument ID: HP5973F Date Analyzed: 04/06/2012 22:52

GC Column: ZB-624 (60) ID: 0.25(mm)

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES:

CLIENT SAMPLE ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
	LCS 480-58567/4	F7880.D	04/06/2012 22:26
RB-03 (0-6")	480-18068-1	F7882.D	04/06/2012 23:33
RB-03 (6"-12")	480-18068-2	F7883.D	04/06/2012 23:58
RB-03 (12"-24")	480-18068-3	F7884.D	04/07/2012 00:24
RB-04 (0-6")	480-18068-4	F7885.D	04/07/2012 00:49
RB-04 (6"-12"	480-18068-5	F7886.D	04/07/2012 01:15
RB-04 (12"-24")	480-18068-6	F7887.D	04/07/2012 01:40
RB-05 (0-6")	480-18068-7	F7888.D	04/07/2012 02:05
RB-05 (6"-12"	480-18068-8	F7889.D	04/07/2012 02:31
RB-05 (12"-24")	480-18068-9	F7890.D	04/07/2012 02:56
RB-06 (0-6")	480-18068-10	F7891.D	04/07/2012 03:22
RB-06 (6"-12"	480-18068-11	F7892.D	04/07/2012 03:47
RB-06 (12"-24")	480-18068-12	F7893.D	04/07/2012 04:13
SB-A1 (15'-15'8")	480-18068-13	F7894.D	04/07/2012 04:38
SB-A2 (10'-11')	480-18068-14	F7895.D	04/07/2012 05:03
SB-A3 (5'-6'1")	480-18068-15	F7896.D	04/07/2012 05:29
SB-A3 (5'-6'1") MS	480-18068-15 MS	F7897.D	04/07/2012 05:54
SB-A3 (5'-6'1") MSD	480-18068-15 MSD	F7898.D	04/07/2012 06:19

FORM IV
GC/MS VOA METHOD BLANK SUMMARY

Lab Name: TestAmerica Buffalo Job No.: 480-18068-1

SDG No.:

Lab File ID: F7963.D Lab Sample ID: MB 480-58856/6

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

Instrument ID: HP5973F Date Analyzed: 04/10/2012 11:15

GC Column: ZB-624 (60) ID: 0.25(mm)

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES:

CLIENT SAMPLE ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
	LCS 480-58856/5	F7962.D	04/10/2012 10:50
DUP-03	480-18068-16	F7977.D	04/10/2012 17:36

FORM IV
GC/MS VOA METHOD BLANK SUMMARY

Lab Name: TestAmerica Buffalo Job No.: 480-18068-1

SDG No.:

Lab File ID: G10804.D Lab Sample ID: MB 480-58634/5

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

Instrument ID: HP5973G Date Analyzed: 04/07/2012 23:06

GC Column: ZB-624 (60) ID: 0.25(mm)

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES:

CLIENT SAMPLE ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
	LCS 480-58634/4	G10803.D	04/07/2012 22:42
EQUIPMENT BLANK	480-18068-17	G10806.D	04/07/2012 23:51
TRIP BLANK	480-18068-18	G10807.D	04/08/2012 00:14

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

Lab Name: TestAmerica Buffalo Job No.: 480-18068-1

SDG No.:

Lab File ID: F7223.D BFB Injection Date: 03/07/2012

Instrument ID: HP5973F BFB Injection Time: 22:14

Analysis Batch No.: 54289

M/E	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE	
50	15.0 - 40.0 % of mass 95	16.9	
75	30.0 - 60.0 % of mass 95	41.7	
95	Base Peak, 100% relative abundance	100.0	
96	5.0 - 9.0 % of mass 95	6.5	
173	Less than 2.0 % of mass 174	0.3	(0.4)1
174	50.0 - 120.00 % of mass 95	87.5	
175	5.0 - 9.0 % of mass 174	6.4	(7.4)1
176	95.0 - 101.0 % of mass 174	85.9	(98.1)1
177	5.0 - 9.0 % of mass 176	5.8	(6.8)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
	STD1 480-54289/3	F7225.D	03/07/2012	23:18
	STD2 480-54289/4	F7226.D	03/07/2012	23:43
	STD3 480-54289/5	F7227.D	03/08/2012	00:09
	STD4 480-54289/6	F7228.D	03/08/2012	00:34
	STD5 480-54289/7	F7229.D	03/08/2012	01:00
	STD6 480-54289/8	F7230.D	03/08/2012	01:25

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

Lab Name: TestAmerica Buffalo Job No.: 480-18068-1

SDG No.:

Lab File ID: F7252.D BFB Injection Date: 03/09/2012

Instrument ID: HP5973F BFB Injection Time: 15:09

Analysis Batch No.: 54585

M/E	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE	
50	15.0 - 40.0 % of mass 95	17.2	
75	30.0 - 60.0 % of mass 95	40.7	
95	Base Peak, 100% relative abundance	100.0	
96	5.0 - 9.0 % of mass 95	7.0	
173	Less than 2.0 % of mass 174	0.2	(0.2)1
174	50.0 - 120.00 % of mass 95	85.8	
175	5.0 - 9.0 % of mass 174	6.2	(7.2)1
176	95.0 - 101.0 % of mass 174	83.6	(97.4)1
177	5.0 - 9.0 % of mass 176	5.3	(6.4)2

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

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

CLIENT SAMPLE ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
	IC 480-54585/3	F7254.D	03/09/2012	16:03
	IC 480-54585/4	F7255.D	03/09/2012	16:28
	IC 480-54585/5	F7256.D	03/09/2012	16:54
	IC 480-54585/6	F7257.D	03/09/2012	17:19
	IC 480-54585/7	F7258.D	03/09/2012	17:45
	IC 480-54585/8	F7259.D	03/09/2012	18:10

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

Lab Name: TestAmerica Buffalo Job No.: 480-18068-1

SDG No.:

Lab File ID: F7877.D BFB Injection Date: 04/06/2012

Instrument ID: HP5973F BFB Injection Time: 20:36

Analysis Batch No.: 58567

M/E	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE	
50	15.0 - 40.0 % of mass 95	15.5	
75	30.0 - 60.0 % of mass 95	39.8	
95	Base Peak, 100% relative abundance	100.0	
96	5.0 - 9.0 % of mass 95	7.1	
173	Less than 2.0 % of mass 174	0.0	(0.0)1
174	50.0 - 120.00 % of mass 95	83.4	
175	5.0 - 9.0 % of mass 174	6.0	(7.2)1
176	95.0 - 101.0 % of mass 174	79.4	(95.3)1
177	5.0 - 9.0 % of mass 176	5.0	(6.3)2

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

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

CLIENT SAMPLE ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
	CCVIS 480-58567/2	F7878.D	04/06/2012	21:06
	CCV 480-58567/3	F7879.D	04/06/2012	22:01
	LCS 480-58567/4	F7880.D	04/06/2012	22:26
	MB 480-58567/5	F7881.D	04/06/2012	22:52
RB-03 (0-6")	480-18068-1	F7882.D	04/06/2012	23:33
RB-03 (6"-12")	480-18068-2	F7883.D	04/06/2012	23:58
RB-03 (12"-24")	480-18068-3	F7884.D	04/07/2012	00:24
RB-04 (0-6")	480-18068-4	F7885.D	04/07/2012	00:49
RB-04 (6"-12"	480-18068-5	F7886.D	04/07/2012	01:15
RB-04 (12"-24")	480-18068-6	F7887.D	04/07/2012	01:40
RB-05 (0-6")	480-18068-7	F7888.D	04/07/2012	02:05
RB-05 (6"-12"	480-18068-8	F7889.D	04/07/2012	02:31
RB-05 (12"-24")	480-18068-9	F7890.D	04/07/2012	02:56
RB-06 (0-6")	480-18068-10	F7891.D	04/07/2012	03:22
RB-06 (6"-12"	480-18068-11	F7892.D	04/07/2012	03:47
RB-06 (12"-24")	480-18068-12	F7893.D	04/07/2012	04:13
SB-A1 (15'-15'8")	480-18068-13	F7894.D	04/07/2012	04:38
SB-A2 (10'-11')	480-18068-14	F7895.D	04/07/2012	05:03
SB-A3 (5'-6'1")	480-18068-15	F7896.D	04/07/2012	05:29
SB-A3 (5'-6'1") MS	480-18068-15 MS	F7897.D	04/07/2012	05:54
SB-A3 (5'-6'1") MSD	480-18068-15 MSD	F7898.D	04/07/2012	06:19

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

Lab Name: TestAmerica Buffalo Job No.: 480-18068-1

SDG No.:

Lab File ID: F7958.D BFB Injection Date: 04/10/2012

Instrument ID: HP5973F BFB Injection Time: 08:53

Analysis Batch No.: 58856

M/E	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE	
50	15.0 - 40.0 % of mass 95	17.1	
75	30.0 - 60.0 % of mass 95	40.7	
95	Base Peak, 100% relative abundance	100.0	
96	5.0 - 9.0 % of mass 95	7.0	
173	Less than 2.0 % of mass 174	0.0	(0.0)1
174	50.0 - 120.00 % of mass 95	83.3	
175	5.0 - 9.0 % of mass 174	6.3	(7.5)1
176	95.0 - 101.0 % of mass 174	83.2	(99.9)1
177	5.0 - 9.0 % of mass 176	5.0	(6.0)2

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

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

CLIENT SAMPLE ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
	CCVIS 480-58856/3	F7960.D	04/10/2012	09:47
	LCS 480-58856/5	F7962.D	04/10/2012	10:50
	MB 480-58856/6	F7963.D	04/10/2012	11:15
DUP-03	480-18068-16	F7977.D	04/10/2012	17:36

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

Lab Name: TestAmerica Buffalo Job No.: 480-18068-1

SDG No.:

Lab File ID: G9982.D BFB Injection Date: 03/15/2012

Instrument ID: HP5973G BFB Injection Time: 13:38

Analysis Batch No.: 55366

M/E	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE	
50	15.0 - 40.0 % of mass 95	21.3	
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	7.0	
173	Less than 2.0 % of mass 174	0.4	(0.7)1
174	50.0 - 120.00 % of mass 95	65.3	
175	5.0 - 9.0 % of mass 174	4.8	(7.4)1
176	95.0 - 101.0 % of mass 174	63.8	(97.7)1
177	5.0 - 9.0 % of mass 176	4.3	(6.8)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
	STD 480-55366/10	G9991.D	03/15/2012	17:01
	STD 480-55366/11	G9992.D	03/15/2012	17:23
	STD 480-55366/12	G9993.D	03/15/2012	17:45
	STD 480-55366/13	G9994.D	03/15/2012	18:07
	STD 480-55366/14	G9995.D	03/15/2012	18:29
	STD 480-55366/15	G9996.D	03/15/2012	18:51

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

Lab Name: TestAmerica Buffalo Job No.: 480-18068-1

SDG No.:

Lab File ID: G10248.D BFB Injection Date: 03/24/2012

Instrument ID: HP5973G BFB Injection Time: 00:47

Analysis Batch No.: 56586

M/E	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE	
50	15.0 - 40.0 % of mass 95	18.7	
75	30.0 - 60.0 % of mass 95	48.0	
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	(1.0)1
174	50.0 - 120.00 % of mass 95	71.9	
175	5.0 - 9.0 % of mass 174	5.0	(6.9)1
176	95.0 - 101.0 % of mass 174	69.1	(96.1)1
177	5.0 - 9.0 % of mass 176	5.2	(7.5)2

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

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

CLIENT SAMPLE ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
	STD 480-56586/3	G10250.D	03/24/2012	01:37
	STD 480-56586/4	G10251.D	03/24/2012	01:59
	STD 480-56586/5	G10252.D	03/24/2012	02:21
	STD 480-56586/6	G10253.D	03/24/2012	02:43
	STD 480-56586/7	G10254.D	03/24/2012	03:05
	STD 480-56586/8	G10255.D	03/24/2012	03:26

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

Lab Name: TestAmerica Buffalo Job No.: 480-18068-1

SDG No.:

Lab File ID: G10800.D BFB Injection Date: 04/07/2012

Instrument ID: HP5973G BFB Injection Time: 21:22

Analysis Batch No.: 58634

M/E	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE	
50	15.0 - 40.0 % of mass 95	20.5	
75	30.0 - 60.0 % of mass 95	48.2	
95	Base Peak, 100% relative abundance	100.0	
96	5.0 - 9.0 % of mass 95	6.9	
173	Less than 2.0 % of mass 174	0.4	(0.6)1
174	50.0 - 120.00 % of mass 95	63.8	
175	5.0 - 9.0 % of mass 174	4.9	(7.8)1
176	95.0 - 101.0 % of mass 174	62.8	(98.5)1
177	5.0 - 9.0 % of mass 176	3.9	(6.2)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 480-58634/2	G10801.D	04/07/2012	21:47
	CCV 480-58634/3	G10802.D	04/07/2012	22:20
	LCS 480-58634/4	G10803.D	04/07/2012	22:42
	MB 480-58634/5	G10804.D	04/07/2012	23:06
EQUIPMENT BLANK	480-18068-17	G10806.D	04/07/2012	23:51
TRIP BLANK	480-18068-18	G10807.D	04/08/2012	00:14

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

Lab Name: TestAmerica Buffalo Job No.: 480-18068-1

SDG No.:

Sample No.: STD4 480-54289/6 Date Analyzed: 03/08/2012 00:34

Instrument ID: HP5973F GC Column: ZB-624 (60) ID: 0.25(mm)

Lab File ID (Standard): F7228.D Heated Purge: (Y/N) N

Calibration ID: 6350

		DFB		CBZ		DCB	
		AREA #	RT #	AREA #	RT #	AREA #	RT #
INITIAL CALIBRATION MID-POINT		752093	5.71	328438	8.49	376938	10.80
UPPER LIMIT		1504186	6.21	656876	8.99	753876	11.30
LOWER LIMIT		376047	5.21	164219	7.99	188469	10.30
LAB SAMPLE ID	CLIENT SAMPLE ID						
CCVIS 480-58567/2		500088	5.71	219122	8.49	244635	10.79
CCVIS 480-58856/3		464711	5.71	192210	8.50	231066	10.80

DFB = 1,4-Difluorobenzene
CBZ = Chlorobenzene-d5
DCB = 1,4-Dichlorobenzene-d4

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

Column used to flag values outside QC limits

FORM VIII 8260B

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

Lab Name: TestAmerica Buffalo Job No.: 480-18068-1

SDG No.:

Sample No.: CCVIS 480-58567/2 Date Analyzed: 04/06/2012 21:06

Instrument ID: HP5973F GC Column: ZB-624 (60) ID: 0.25(mm)

Lab File ID (Standard): F7878.D Heated Purge: (Y/N) N

Calibration ID: 6376

		DFB		CBZ		DCB	
		AREA #	RT #	AREA #	RT #	AREA #	RT #
12/24 HOUR STD		500088	5.71	219122	8.49	244635	10.79
UPPER LIMIT		1000176	6.21	438244	8.99	489270	11.29
LOWER LIMIT		250044	5.21	109561	7.99	122318	10.29
LAB SAMPLE ID	CLIENT SAMPLE ID						
CCV 480-58567/3		488055	5.71	210919	8.49	235157	10.80
LCS 480-58567/4		484337	5.71	208568	8.49	233688	10.80
MB 480-58567/5		483502	5.71	208118	8.49	233599	10.79
480-18068-1	RB-03 (0-6")	463592	5.71	198636	8.49	214131	10.79
480-18068-2	RB-03 (6"-12")	475026	5.71	201374	8.49	220953	10.79
480-18068-3	RB-03 (12"-24")	314998	5.71	138931	8.49	156357	10.80
480-18068-4	RB-04 (0-6")	467641	5.71	198177	8.49	214514	10.79
480-18068-5	RB-04 (6"-12"	471652	5.71	200800	8.49	219811	10.79
480-18068-6	RB-04 (12"-24")	479847	5.71	205033	8.49	223595	10.80
480-18068-7	RB-05 (0-6")	463132	5.71	193893	8.49	207085	10.79
480-18068-8	RB-05 (6"-12"	467313	5.71	197303	8.49	205099	10.80
480-18068-9	RB-05 (12"-24")	467769	5.71	197619	8.49	209860	10.80
480-18068-10	RB-06 (0-6")	469307	5.71	197839	8.49	211814	10.80
480-18068-11	RB-06 (6"-12"	468207	5.71	195458	8.49	208352	10.80
480-18068-12	RB-06 (12"-24")	441434	5.71	187032	8.49	195852	10.80
480-18068-13	SB-A1 (15'-15'8")	468174	5.71	195134	8.49	179774	10.80
480-18068-14	SB-A2 (10'-11')	473997	5.71	199940	8.49	208947	10.80
480-18068-15	SB-A3 (5'-6'1")	473068	5.71	205092	8.49	226991	10.80
480-18068-15 MS	SB-A3 (5'-6'1") MS	482681	5.71	206555	8.49	228863	10.80
480-18068-15 MSD	SB-A3 (5'-6'1") MSD	486710	5.71	207811	8.49	227676	10.80

DFB = 1,4-Difluorobenzene
CBZ = Chlorobenzene-d5
DCB = 1,4-Dichlorobenzene-d4

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

Column used to flag values outside QC limits

FORM VIII 8260B

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

Lab Name: TestAmerica Buffalo Job No.: 480-18068-1

SDG No.:

Sample No.: CCVIS 480-58856/3 Date Analyzed: 04/10/2012 09:47

Instrument ID: HP5973F GC Column: ZB-624 (60) ID: 0.25(mm)

Lab File ID (Standard): F7960.D Heated Purge: (Y/N) N

Calibration ID: 6376

		DFB		CBZ		DCB	
		AREA #	RT #	AREA #	RT #	AREA #	RT #
12/24 HOUR STD		464711	5.71	192210	8.50	231066	10.80
UPPER LIMIT		929422	6.21	384420	9.00	462132	11.30
LOWER LIMIT		232356	5.21	96105	8.00	115533	10.30
LAB SAMPLE ID	CLIENT SAMPLE ID						
LCS 480-58856/5		465986	5.71	190990	8.49	230434	10.80
MB 480-58856/6		455558	5.71	185201	8.49	221612	10.80
480-18068-16	DUP-03	458196	5.71	181943	8.49	204757	10.80

DFB = 1,4-Difluorobenzene
CBZ = Chlorobenzene-d5
DCB = 1,4-Dichlorobenzene-d4

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

Column used to flag values outside QC limits

FORM VIII 8260B

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

Lab Name: TestAmerica Buffalo Job No.: 480-18068-1

SDG No.:

Sample No.: STD 480-56586/6 Date Analyzed: 03/24/2012 02:43

Instrument ID: HP5973G GC Column: ZB-624 (60) ID: 0.25(mm)

Lab File ID (Standard): G10253.D Heated Purge: (Y/N) N

Calibration ID: 7148

		DFB		CBZ		DCB	
		AREA #	RT #	AREA #	RT #	AREA #	RT #
INITIAL CALIBRATION MID-POINT		289861	5.36	154767	8.22	133614	10.63
UPPER LIMIT		579722	5.86	309534	8.72	267228	11.13
LOWER LIMIT		144931	4.86	77384	7.72	66807	10.13
LAB SAMPLE ID	CLIENT SAMPLE ID						
CCVIS 480-58634/2		212197	5.36	111604	8.22	104915	10.63

DFB = 1,4-Difluorobenzene
CBZ = Chlorobenzene-d5
DCB = 1,4-Dichlorobenzene-d4

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

Column used to flag values outside QC limits

FORM VIII 8260B

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

Lab Name: TestAmerica Buffalo Job No.: 480-18068-1

SDG No.:

Sample No.: CCVIS 480-58634/2 Date Analyzed: 04/07/2012 21:47

Instrument ID: HP5973G GC Column: ZB-624 (60) ID: 0.25(mm)

Lab File ID (Standard): G10801.D Heated Purge: (Y/N) N

Calibration ID: 7148

		DFB		CBZ		DCB	
		AREA #	RT #	AREA #	RT #	AREA #	RT #
12/24 HOUR STD		212197	5.36	111604	8.22	104915	10.63
UPPER LIMIT		424394	5.86	223208	8.72	209830	11.13
LOWER LIMIT		106099	4.86	55802	7.72	52458	10.13
LAB SAMPLE ID	CLIENT SAMPLE ID						
CCV 480-58634/3		207918	5.36	109641	8.22	102135	10.63
LCS 480-58634/4		209692	5.36	107728	8.22	102680	10.63
MB 480-58634/5		206121	5.36	107181	8.22	102105	10.63
480-18068-17	EQUIPMENT BLANK	207238	5.36	109065	8.22	100890	10.63
480-18068-18	TRIP BLANK	201043	5.36	105459	8.22	99205	10.63

DFB = 1,4-Difluorobenzene
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 Buffalo | Job No.: 480-18068-1

SDG No.:

Client Sample ID: RB-03 (0-6") | Lab Sample ID: 480-18068-1

Matrix: Solid | Lab File ID: F7882.D

Analysis Method: 8260B | Date Collected: 04/02/2012 11:15

Sample wt/vol: 6.09(g) | Date Analyzed: 04/06/2012 23:33

Soil Aliquot Vol: | Dilution Factor: 1

Soil Extract Vol.: | GC Column: ZB-624 (60) ID: 0.25(mm)

% Moisture: 24.5 | Level: (low/med) Low

Analysis Batch No.: 58567 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
71-55-6	1,1,1-Trichloroethane	ND		5.4	0.39
79-34-5	1,1,2,2-Tetrachloroethane	ND		5.4	0.88
79-00-5	1,1,2-Trichloroethane	ND		5.4	0.71
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	ND		5.4	1.2
75-34-3	1,1-Dichloroethane	ND		5.4	0.66
75-35-4	1,1-Dichloroethene	ND		5.4	0.67
120-82-1	1,2,4-Trichlorobenzene	ND		5.4	0.33
96-12-8	1,2-Dibromo-3-Chloropropane	ND		5.4	2.7
106-93-4	1,2-Dibromoethane	ND		5.4	0.70
95-50-1	1,2-Dichlorobenzene	ND		5.4	0.43
107-06-2	1,2-Dichloroethane	ND		5.4	0.27
78-87-5	1,2-Dichloropropane	ND		5.4	2.7
541-73-1	1,3-Dichlorobenzene	ND		5.4	0.28
106-46-7	1,4-Dichlorobenzene	ND		5.4	0.76
591-78-6	2-Hexanone	ND		27	2.7
78-93-3	2-Butanone (MEK)	ND		27	2.0
108-10-1	4-Methyl-2-pentanone (MIBK)	ND		27	1.8
67-64-1	Acetone	ND		27	4.6
71-43-2	Benzene	ND		5.4	0.27
75-27-4	Bromodichloromethane	ND		5.4	0.73
75-25-2	Bromoform	ND		5.4	2.7
74-83-9	Bromomethane	ND		5.4	0.49
75-15-0	Carbon disulfide	ND		5.4	2.7
56-23-5	Carbon tetrachloride	ND		5.4	0.53
108-90-7	Chlorobenzene	ND		5.4	0.72
124-48-1	Dibromochloromethane	ND		5.4	0.70
75-00-3	Chloroethane	ND		5.4	1.2
67-66-3	Chloroform	ND		5.4	0.34
74-87-3	Chloromethane	ND		5.4	0.33
156-59-2	cis-1,2-Dichloroethene	ND		5.4	0.70
10061-01-5	cis-1,3-Dichloropropene	ND		5.4	0.78
110-82-7	Cyclohexane	ND		5.4	0.76
75-71-8	Dichlorodifluoromethane	ND		5.4	0.45
100-41-4	Ethylbenzene	0.49	J	5.4	0.38
98-82-8	Isopropylbenzene	ND		5.4	0.82

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Buffalo | Job No.: 480-18068-1

SDG No.:

Client Sample ID: RB-03 (0-6") | Lab Sample ID: 480-18068-1

Matrix: Solid | Lab File ID: F7882.D

Analysis Method: 8260B | Date Collected: 04/02/2012 11:15

Sample wt/vol: 6.09(g) | Date Analyzed: 04/06/2012 23:33

Soil Aliquot Vol: | Dilution Factor: 1

Soil Extract Vol.: | GC Column: ZB-624 (60) ID: 0.25(mm)

% Moisture: 24.5 | Level: (low/med) Low

Analysis Batch No.: 58567 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
79-20-9	Methyl acetate	ND		5.4	1.0
1634-04-4	Methyl tert-butyl ether	ND		5.4	0.53
108-87-2	Methylcyclohexane	ND		5.4	0.83
75-09-2	Methylene Chloride	ND		5.4	2.5
100-42-5	Styrene	ND		5.4	0.27
127-18-4	Tetrachloroethene	ND		5.4	0.73
108-88-3	Toluene	ND		5.4	0.41
156-60-5	trans-1,2-Dichloroethene	ND		5.4	0.56
10061-02-6	trans-1,3-Dichloropropene	ND		5.4	2.4
79-01-6	Trichloroethene	ND		5.4	1.2
75-69-4	Trichlorofluoromethane	ND		5.4	0.51
75-01-4	Vinyl chloride	ND		5.4	0.66
1330-20-7	Xylenes, Total	1.4	J B	11	0.91

CAS NO.	SURROGATE	%REC	Q	LIMITS
17060-07-0	1,2-Dichloroethane-d4 (Surr)	98		64-126
2037-26-5	Toluene-d8 (Surr)	103		71-125
460-00-4	4-Bromofluorobenzene (Surr)	99		72-126

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

Lab Name: TestAmerica Buffalo | Job No.: 480-18068-1

SDG No.:

Client Sample ID: RB-03 (0-6") | Lab Sample ID: 480-18068-1

Matrix: Solid | Lab File ID: F7882.D

Analysis Method: 8260B | Date Collected: 04/02/2012 11:15

Sample wt/vol: 6.09(g) | Date Analyzed: 04/06/2012 23:33

Soil Aliquot Vol: | Dilution Factor: 1

Soil Extract Vol.: | GC Column: ZB-624 (60) ID: 0.25(mm)

% Moisture: 24.5 | Level: (low/med) Low

Analysis Batch No.: 58567 | Units: ug/Kg

Number TICs Found: 0 | TIC Result Total: 0

CAS NO.	COMPOUND NAME	RT	RESULT	Q
	Tentatively Identified Compound		None	

TestAmerica Laboratories
Target Compound Quantitation Report

Data File:	\\Bufchrom\ChromData\HP5973F\20120406-10799.b\F7882.D		
Lims ID:	480-18068-D-1-A	Client ID:	RB-03 (0-6")
Inject. Date:	06-Apr-2012 23:33:30	Dil. Factor:	1.0000
Sample Type:	Client		
Sample ID:	480-18068-D-1-A		
Misc. Info.:	480-0010799-006 =480-0010799-006		
Operator:	CDC	Instrument ID:	HP5973F
Vol. Injected:	1.0000	ALS Bottle#:	1
Lims Batch ID:	58567	Lims Sample ID:	6
Detector:	MS SCAN		
Method:	\\Bufchrom\ChromData\HP5973F\20120406-10799.b\F-8260 SOIL.m		
Last Update:	09-Apr-2012 11:48:11	Calib Date:	09-Mar-2012 18:10:30
Quant Method:	Internal Standard	Quant By:	Initial Calibration
Last ICal File:	\\Bufchrom\ChromData\HP5973F\20120309-10095.b\F7259.D		
Limit Group:	MV - 8260B ICAL		
Integrator:	RTE	ID Type:	Deconvolution ID
Process Host:	CORP-CTX-16		
First Level Reviewer: ByrnesJ		Date:	09-Apr-2012 11:18:17

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/kg	Flags
* 1 1,4-Difluorobenzene	114	5.708	5.714	-0.006	93	463592	50.0	
* 2 Chlorobenzene-d5	82	8.494	8.494	0.0	81	198636	50.0	
* 3 1,4-Dichlorobenzene-d4	152	10.794	10.800	-0.006	93	214131	50.0	
$ 4 1,2-Dichloroethane-d4 (Surr)	67	5.404	5.410	-0.006	98	69083	49.0	
$ 5 Toluene-d8 (Surr)	98	7.040	7.040	0.0	91	485374	51.7	
$ 6 4-Bromofluorobenzene (Surr)	174	9.705	9.705	0.0	90	153928	49.3	
10 Dichlorodifluoromethane	85		2.064					
12 Chloromethane	50		2.216					
13 Vinyl chloride	62		2.332					
14 Bromomethane	94		2.636					
15 Chloroethane	64		2.709					
17 Trichlorofluoromethane	101		2.934					
21 1,1,2-Trichloro-1,2,2-trifluoroe	101		3.311					
22 1,1-Dichloroethene	96		3.341					
23 Acetone	43		3.390					
26 Carbon disulfide	76		3.567					
27 Methyl acetate	43		3.615					
30 Methylene Chloride	84		3.737					
32 Methyl tert-butyl ether	73		3.895					
34 trans-1,2-Dichloroethene	96		3.932					
39 1,1-Dichloroethane	63		4.272					
43 2-Butanone (MEK)	43		4.716					
45 cis-1,2-Dichloroethene	96		4.729					
50 Chloroform	83		4.972					
51 1,1,1-Trichloroethane	97		5.124					
52 Cyclohexane	56		5.154					
55 Carbon tetrachloride	117		5.252					
57 Benzene	78		5.434					
58 1,2-Dichloroethane	62		5.471					
62 Trichloroethene	95		5.957					
64 Methylcyclohexane	83		6.097					

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/kg	Flags
65 1,2-Dichloropropane	63		6.182					
68 Dichlorobromomethane	83		6.426					
72 cis-1,3-Dichloropropene	75		6.809					
73 4-Methyl-2-pentanone (MIBK)	43		6.906					
74 Toluene	92		7.107					
77 trans-1,3-Dichloropropene	75		7.326					
79 1,1,2-Trichloroethane	83		7.527					
81 Tetrachloroethene	166		7.630					
80 2-Hexanone	43		7.697					
83 Chlorodibromomethane	129		7.941					
84 Ethylene Dibromide	107		8.074					
87 Chlorobenzene	112		8.525					
88 Ethylbenzene	91	8.586	8.585	0.001	1	5532	0.4537	
90 m-Xylene & p-Xylene	106	8.701	8.701	0.0	63	6470	1.27	
91 o-Xylene	106		9.133					
92 Styrene	104		9.157					
95 Bromoform	173		9.431					
94 Isopropylbenzene	105		9.492					
97 1,1,2,2-Tetrachloroethane	83		9.857					
111 1,3-Dichlorobenzene	146		10.739					
113 1,4-Dichlorobenzene	146		10.818					
116 1,2-Dichlorobenzene	146		11.159					
117 1,2-Dibromo-3-Chloropropane	75		11.834					
119 1,2,4-Trichlorobenzene	180		12.491					
S 124 Xylenes, Total	1				0		1.27	

TestAmerica Laboratories
Tentatively Identified Quantitation Report

Data File:	\\Bufchrom\ChromData\HP5973F\20120406-10799.b\F7882.D		
Lims ID:	480-18068-D-1-A	Client ID:	RB-03 (0-6")
Inject. Date:	06-Apr-2012 23:33:30	Dil. Factor:	1.0000
Sample Type:	Client		
Sample ID:	480-18068-D-1-A		
Misc. Info.:	480-0010799-006 =480-0010799-006		
Operator:	CDC	Instrument ID:	HP5973F
Vol. Injected:	1.0000	ALS Bottle#:	1
Lims Batch ID:	58567	Lims Sample ID:	6
Detector:	MS SCAN		
Method:	\\Bufchrom\ChromData\HP5973F\20120406-10799.b\F-8260 SOIL.m		
Last Update:	09-Apr-2012 11:48:11	Calib Date:	09-Mar-2012 18:10:30
Tic RT Window:	1.500 -0.000	Response:	area
Quant By:	Nearest ISTD	Quant LOD:	10.00000
MS Library:	\\Bufchrom\ChromData\Database\NIST98.L		
Min. Match:	85		
Process Host:	CORP-CTX-16		

First Level Reviewer: ByrnesJ Date: 09-Apr-2012 11:18:17

Calibrated Tentative Identified Compound Results

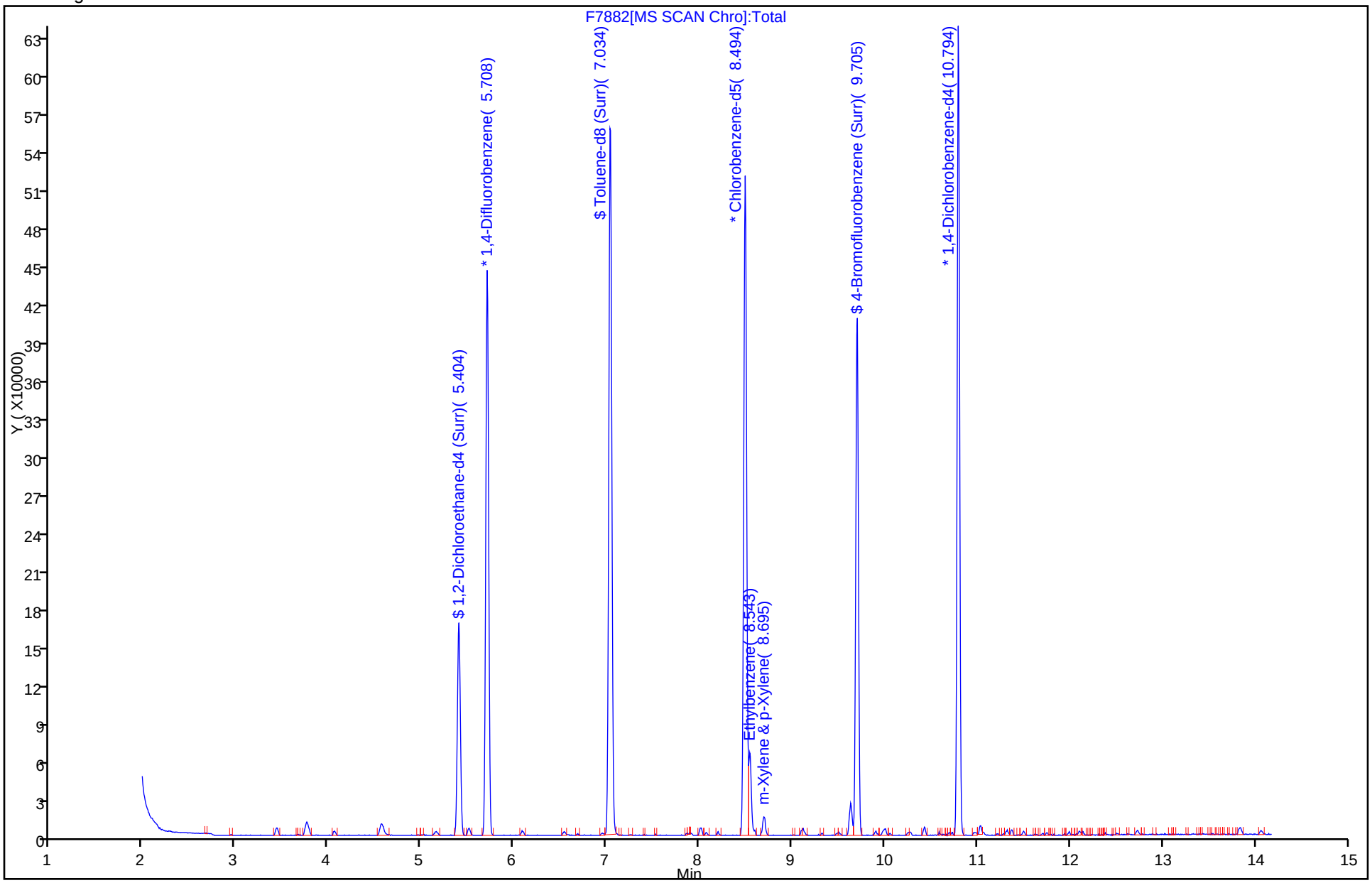
Compound	RT	Response	Amount ug/kg	Flags
Hexane	4.053	2112	0.5215	
n-Heptane	5.513	3252	0.6909	
1,2,4-Trimethylbenzene	10.429	6414	0.6449	

Report Date: 09-Apr-2012 11:48:28 Chrom Revision: 2.0 20-Feb-2012 13:27:02

Data File: \\Bufchrom\ChromData\HP5973F\20120406-10799.b\F7882.D

Injection Date:	06-Apr-2012 23:33:30	Limit Group:	MV - 8260B ICAL
Client ID:	RB-03 (0-6")	Instrument ID:	HP5973F
Lims Batch ID:	58567	Lims Sample ID:	6
Operator ID:	CDC		
Column Type:	ZB-624	Column Dia:	0.25 mm

Y Scaling:

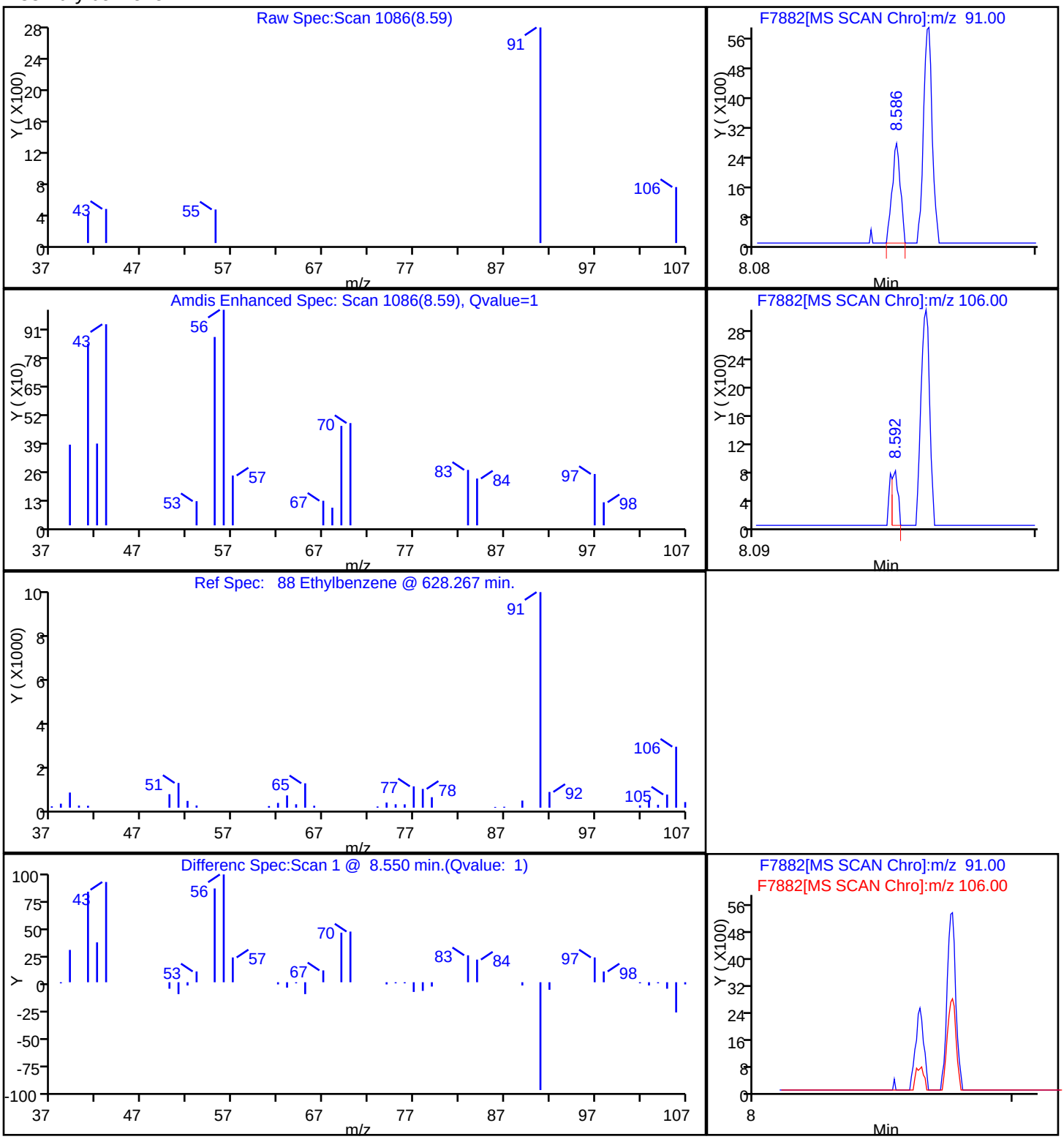


Report Date: 09-Apr-2012 11:48:28 Chrom Revision: 2.0 20-Feb-2012 13:27:02

Data File: \\Bufchrom\ChromData\HP5973F\20120406-10799.b\F7882.D

Injection Date:	06-Apr-2012 23:33:30	Limit Group:	MV - 8260B ICAL
Client ID:	RB-03 (0-6")	Instrument ID:	HP5973F
Lims Batch ID:	58567	Lims Sample ID:	6
Operator ID:	CDC		
Column Type:	ZB-624	Column Dia:	0.25 mm

88 Ethylbenzene

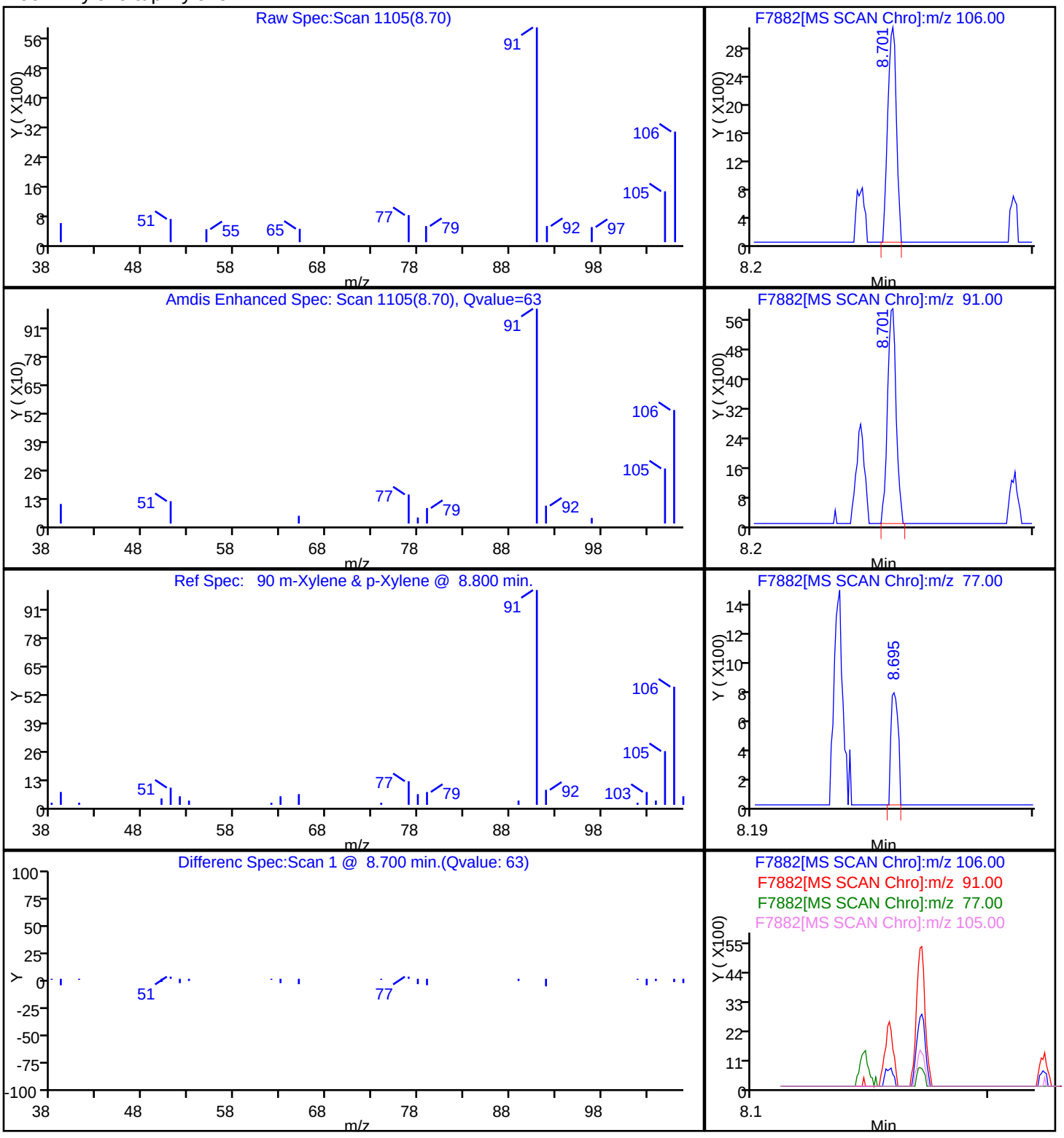


Report Date: 09-Apr-2012 11:48:28 Chrom Revision: 2.0 20-Feb-2012 13:27:02

Data File: \\Bufchrom\ChromData\HP5973F\20120406-10799.b\F7882.D

Injection Date:	06-Apr-2012 23:33:30	Limit Group:	MV - 8260B ICAL
Client ID:	RB-03 (0-6")	Instrument ID:	HP5973F
Lims Batch ID:	58567	Lims Sample ID:	6
Operator ID:	CDC		
Column Type:	ZB-624	Column Dia:	0.25 mm

90 m-Xylene & p-Xylene



FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Buffalo | Job No.: 480-18068-1

SDG No.:

Client Sample ID: RB-03 (6"-12") | Lab Sample ID: 480-18068-2

Matrix: Solid | Lab File ID: F7883.D

Analysis Method: 8260B | Date Collected: 04/02/2012 12:20

Sample wt/vol: 5.22(g) | Date Analyzed: 04/06/2012 23:58

Soil Aliquot Vol: | Dilution Factor: 1

Soil Extract Vol.: | GC Column: ZB-624 (60) ID: 0.25(mm)

% Moisture: 18.2 | Level: (low/med) Low

Analysis Batch No.: 58567 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
71-55-6	1,1,1-Trichloroethane	ND		5.9	0.43
79-34-5	1,1,2,2-Tetrachloroethane	ND		5.9	0.95
79-00-5	1,1,2-Trichloroethane	ND		5.9	0.76
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	ND		5.9	1.3
75-34-3	1,1-Dichloroethane	ND		5.9	0.71
75-35-4	1,1-Dichloroethene	ND		5.9	0.72
120-82-1	1,2,4-Trichlorobenzene	ND		5.9	0.36
96-12-8	1,2-Dibromo-3-Chloropropane	ND		5.9	2.9
106-93-4	1,2-Dibromoethane	ND		5.9	0.75
95-50-1	1,2-Dichlorobenzene	ND		5.9	0.46
107-06-2	1,2-Dichloroethane	ND		5.9	0.29
78-87-5	1,2-Dichloropropane	ND		5.9	2.9
541-73-1	1,3-Dichlorobenzene	ND		5.9	0.30
106-46-7	1,4-Dichlorobenzene	ND		5.9	0.82
591-78-6	2-Hexanone	ND		29	2.9
78-93-3	2-Butanone (MEK)	ND		29	2.1
108-10-1	4-Methyl-2-pentanone (MIBK)	ND		29	1.9
67-64-1	Acetone	ND		29	4.9
71-43-2	Benzene	ND		5.9	0.29
75-27-4	Bromodichloromethane	ND		5.9	0.78
75-25-2	Bromoform	ND		5.9	2.9
74-83-9	Bromomethane	ND		5.9	0.53
75-15-0	Carbon disulfide	ND		5.9	2.9
56-23-5	Carbon tetrachloride	ND		5.9	0.57
108-90-7	Chlorobenzene	ND		5.9	0.77
124-48-1	Dibromochloromethane	ND		5.9	0.75
75-00-3	Chloroethane	ND		5.9	1.3
67-66-3	Chloroform	ND		5.9	0.36
74-87-3	Chloromethane	ND		5.9	0.35
156-59-2	cis-1,2-Dichloroethene	ND		5.9	0.75
10061-01-5	cis-1,3-Dichloropropene	ND		5.9	0.84
110-82-7	Cyclohexane	ND		5.9	0.82
75-71-8	Dichlorodifluoromethane	ND		5.9	0.48
100-41-4	Ethylbenzene	ND		5.9	0.40
98-82-8	Isopropylbenzene	ND		5.9	0.88

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Buffalo | Job No.: 480-18068-1

SDG No.:

Client Sample ID: RB-03 (6"-12") | Lab Sample ID: 480-18068-2

Matrix: Solid | Lab File ID: F7883.D

Analysis Method: 8260B | Date Collected: 04/02/2012 12:20

Sample wt/vol: 5.22(g) | Date Analyzed: 04/06/2012 23:58

Soil Aliquot Vol: | Dilution Factor: 1

Soil Extract Vol.: | GC Column: ZB-624 (60) ID: 0.25(mm)

% Moisture: 18.2 | Level: (low/med) Low

Analysis Batch No.: 58567 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
79-20-9	Methyl acetate	ND		5.9	1.1
1634-04-4	Methyl tert-butyl ether	ND		5.9	0.58
108-87-2	Methylcyclohexane	ND		5.9	0.89
75-09-2	Methylene Chloride	ND		5.9	2.7
100-42-5	Styrene	ND		5.9	0.29
127-18-4	Tetrachloroethene	ND		5.9	0.79
108-88-3	Toluene	ND		5.9	0.44
156-60-5	trans-1,2-Dichloroethene	ND		5.9	0.60
10061-02-6	trans-1,3-Dichloropropene	ND		5.9	2.6
79-01-6	Trichloroethene	ND		5.9	1.3
75-69-4	Trichlorofluoromethane	ND		5.9	0.55
75-01-4	Vinyl chloride	ND		5.9	0.71
1330-20-7	Xylenes, Total	1.3	J B	12	0.98

CAS NO.	SURROGATE	%REC	Q	LIMITS
17060-07-0	1,2-Dichloroethane-d4 (Surr)	101		64-126
2037-26-5	Toluene-d8 (Surr)	105		71-125
460-00-4	4-Bromofluorobenzene (Surr)	100		72-126

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

Lab Name: TestAmerica Buffalo | Job No.: 480-18068-1

SDG No.:

Client Sample ID: RB-03 (6"-12") | Lab Sample ID: 480-18068-2

Matrix: Solid | Lab File ID: F7883.D

Analysis Method: 8260B | Date Collected: 04/02/2012 12:20

Sample wt/vol: 5.22(g) | Date Analyzed: 04/06/2012 23:58

Soil Aliquot Vol: | Dilution Factor: 1

Soil Extract Vol.: | GC Column: ZB-624 (60) ID: 0.25(mm)

% Moisture: 18.2 | Level: (low/med) Low

Analysis Batch No.: 58567 | Units: ug/Kg

Number TICs Found: 1 | TIC Result Total: 14

CAS NO.	COMPOUND NAME	RT	RESULT	Q
287-92-3	Cyclopentane	3.76	14	T J N

TestAmerica Laboratories
Target Compound Quantitation Report

Data File:	\\Bufchrom\ChromData\HP5973F\20120406-10799.b\F7883.D		
Lims ID:	480-18068-D-2-A	Client ID:	RB-03 (6"-12")
Inject. Date:	06-Apr-2012 23:58:30	Dil. Factor:	1.0000
Sample Type:	Client		
Sample ID:	480-18068-D-2-A		
Misc. Info.:	480-0010799-007 =480-0010799-007		
Operator:	CDC	Instrument ID:	HP5973F
Vol. Injected:	1.0000	ALS Bottle#:	2
Lims Batch ID:	58567	Lims Sample ID:	7
Detector:	MS SCAN		
Method:	\\Bufchrom\ChromData\HP5973F\20120406-10799.b\F-8260 SOIL.m		
Last Update:	09-Apr-2012 11:48:11	Calib Date:	09-Mar-2012 18:10:30
Quant Method:	Internal Standard	Quant By:	Initial Calibration
Last ICal File:	\\Bufchrom\ChromData\HP5973F\20120309-10095.b\F7259.D		
Limit Group:	MV - 8260B ICAL		
Integrator:	RTE	ID Type:	Deconvolution ID
Process Host:	CORP-CTX-16		
First Level Reviewer: ByrnesJ		Date:	09-Apr-2012 11:18:47

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/kg	Flags
* 1 1,4-Difluorobenzene	114	5.708	5.714	-0.006	93	475026	50.0	
* 2 Chlorobenzene-d5	82	8.494	8.494	0.0	81	201374	50.0	
* 3 1,4-Dichlorobenzene-d4	152	10.794	10.800	-0.006	93	220953	50.0	
$ 4 1,2-Dichloroethane-d4 (Surr)	67	5.404	5.410	-0.006	98	72753	50.4	
$ 5 Toluene-d8 (Surr)	98	7.040	7.040	0.0	91	500186	52.6	
$ 6 4-Bromofluorobenzene (Surr)	174	9.705	9.705	0.0	90	158993	50.2	
10 Dichlorodifluoromethane	85		2.064					
12 Chloromethane	50		2.216					
13 Vinyl chloride	62		2.332					
14 Bromomethane	94		2.636					
15 Chloroethane	64		2.709					
17 Trichlorofluoromethane	101		2.934					
21 1,1,2-Trichloro-1,2,2-trifluoroe	101		3.311					
22 1,1-Dichloroethene	96		3.341					
23 Acetone	43		3.390					
26 Carbon disulfide	76		3.567					
27 Methyl acetate	43		3.615					
30 Methylene Chloride	84		3.737					
32 Methyl tert-butyl ether	73		3.895					
34 trans-1,2-Dichloroethene	96		3.932					
39 1,1-Dichloroethane	63		4.272					
43 2-Butanone (MEK)	43		4.716					
45 cis-1,2-Dichloroethene	96		4.729					
50 Chloroform	83		4.972					
51 1,1,1-Trichloroethane	97		5.124					
52 Cyclohexane	56		5.154					
55 Carbon tetrachloride	117		5.252					
57 Benzene	78		5.434					
58 1,2-Dichloroethane	62		5.471					
62 Trichloroethene	95		5.957					
64 Methylcyclohexane	83		6.097					

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/kg	Flags
65 1,2-Dichloropropane	63		6.182					
68 Dichlorobromomethane	83		6.426					
72 cis-1,3-Dichloropropene	75		6.809					
73 4-Methyl-2-pentanone (MIBK)	43		6.906					
74 Toluene	92		7.107					
77 trans-1,3-Dichloropropene	75		7.326					
79 1,1,2-Trichloroethane	83		7.527					
81 Tetrachloroethene	166		7.630					
80 2-Hexanone	43		7.697					
83 Chlorodibromomethane	129		7.941					
84 Ethylene Dibromide	107		8.074					
87 Chlorobenzene	112		8.525					
88 Ethylbenzene	91		8.585					
90 m-Xylene & p-Xylene	106	8.701	8.701	0.0	51	5735	1.11	
91 o-Xylene	106		9.133					
92 Styrene	104		9.157					
95 Bromoform	173		9.431					
94 Isopropylbenzene	105		9.492					
97 1,1,2,2-Tetrachloroethane	83		9.857					
111 1,3-Dichlorobenzene	146		10.739					
113 1,4-Dichlorobenzene	146		10.818					
116 1,2-Dichlorobenzene	146		11.159					
117 1,2-Dibromo-3-Chloropropane	75		11.834					
119 1,2,4-Trichlorobenzene	180		12.491					
S 124 Xylenes, Total	1				0		1.11	

TestAmerica Laboratories
Tentatively Identified Quantitation Report

Data File:	\\Bufchrom\ChromData\HP5973F\20120406-10799.b\F7883.D		
Lims ID:	480-18068-D-2-A	Client ID:	RB-03 (6"-12")
Inject. Date:	06-Apr-2012 23:58:30	Dil. Factor:	1.0000
Sample Type:	Client		
Sample ID:	480-18068-D-2-A		
Misc. Info.:	480-0010799-007 =480-0010799-007		
Operator:	CDC	Instrument ID:	HP5973F
Vol. Injected:	1.0000	ALS Bottle#:	2
Lims Batch ID:	58567	Lims Sample ID:	7
Detector:	MS SCAN		
Method:	\\Bufchrom\ChromData\HP5973F\20120406-10799.b\F-8260 SOIL.m		
Last Update:	09-Apr-2012 11:48:11	Calib Date:	09-Mar-2012 18:10:30
Tic RT Window:	1.500 -0.000	Response:	area
Quant By:	Nearest ISTD	Quant LOD:	10.00000
MS Library:	\\Bufchrom\ChromData\Database\NIST98.L		
Min. Match:	85		
Process Host:	CORP-CTX-16		
First Level Reviewer: ByrnesJ		Date:	09-Apr-2012 11:18:47

Calibrated Tentative Identified Compound Results

Compound	RT	Response	Amount ug/kg	Flags
Hexane	4.053	3697	0.8908	
1,2,4-Trimethylbenzene	10.429	5456	0.5317	

Tentative Identified Compound Results

RT	Response	Amount ug/kg	Quant Cpnd	Qual	Lib Entry	Flags
	287-92-3	Cyclopentane				
3.761	232254	11.8	1	90	109034	

Quantitation Compounds

Compound	RT	Response	Amount ug/kg
* 1 1,4-Difluorobenzene	5.708	984869	50.0

QC Flag Legend

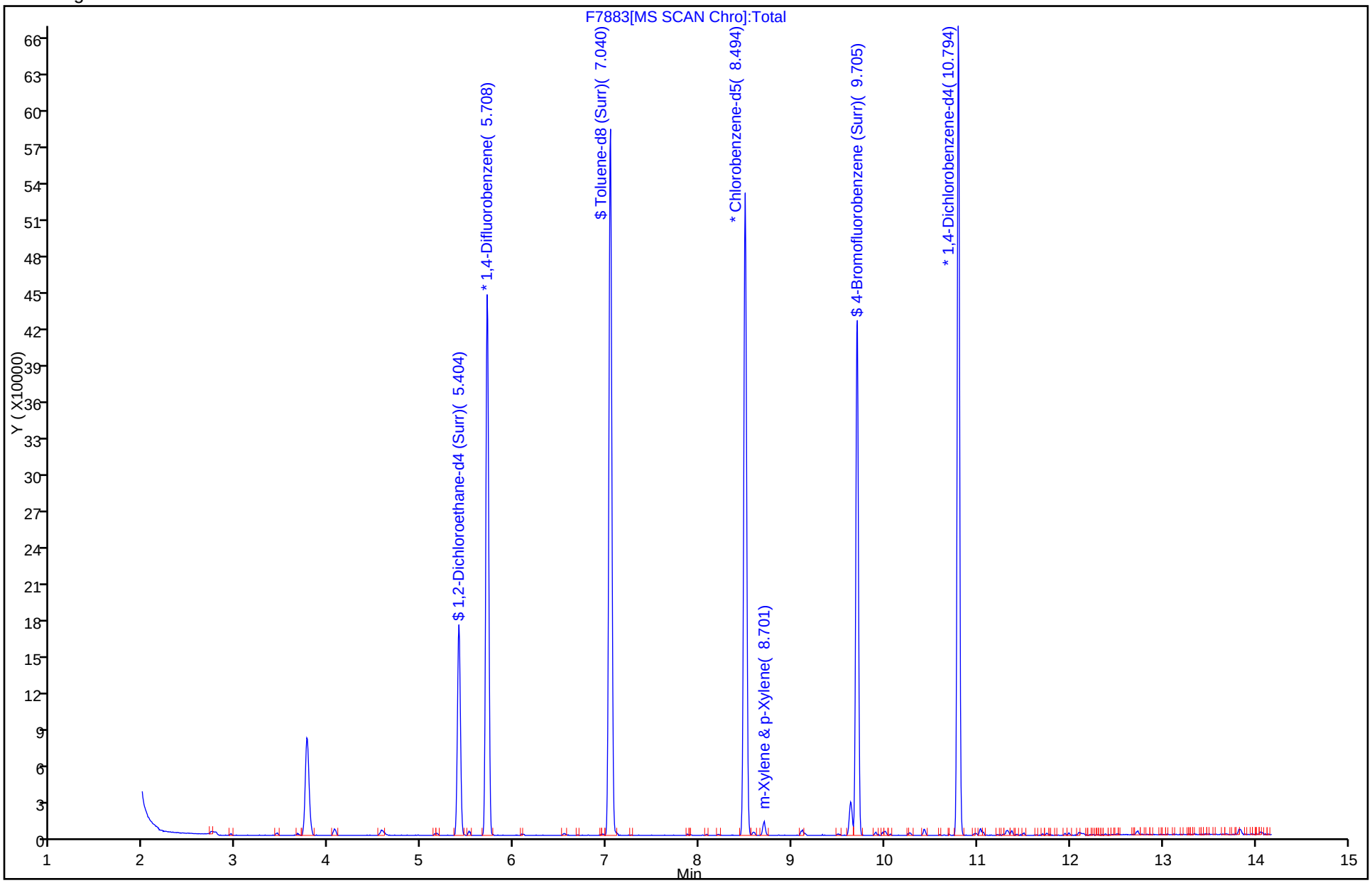
Processing Flags

Report Date: 09-Apr-2012 11:48:27 Chrom Revision: 2.0 20-Feb-2012 13:27:02

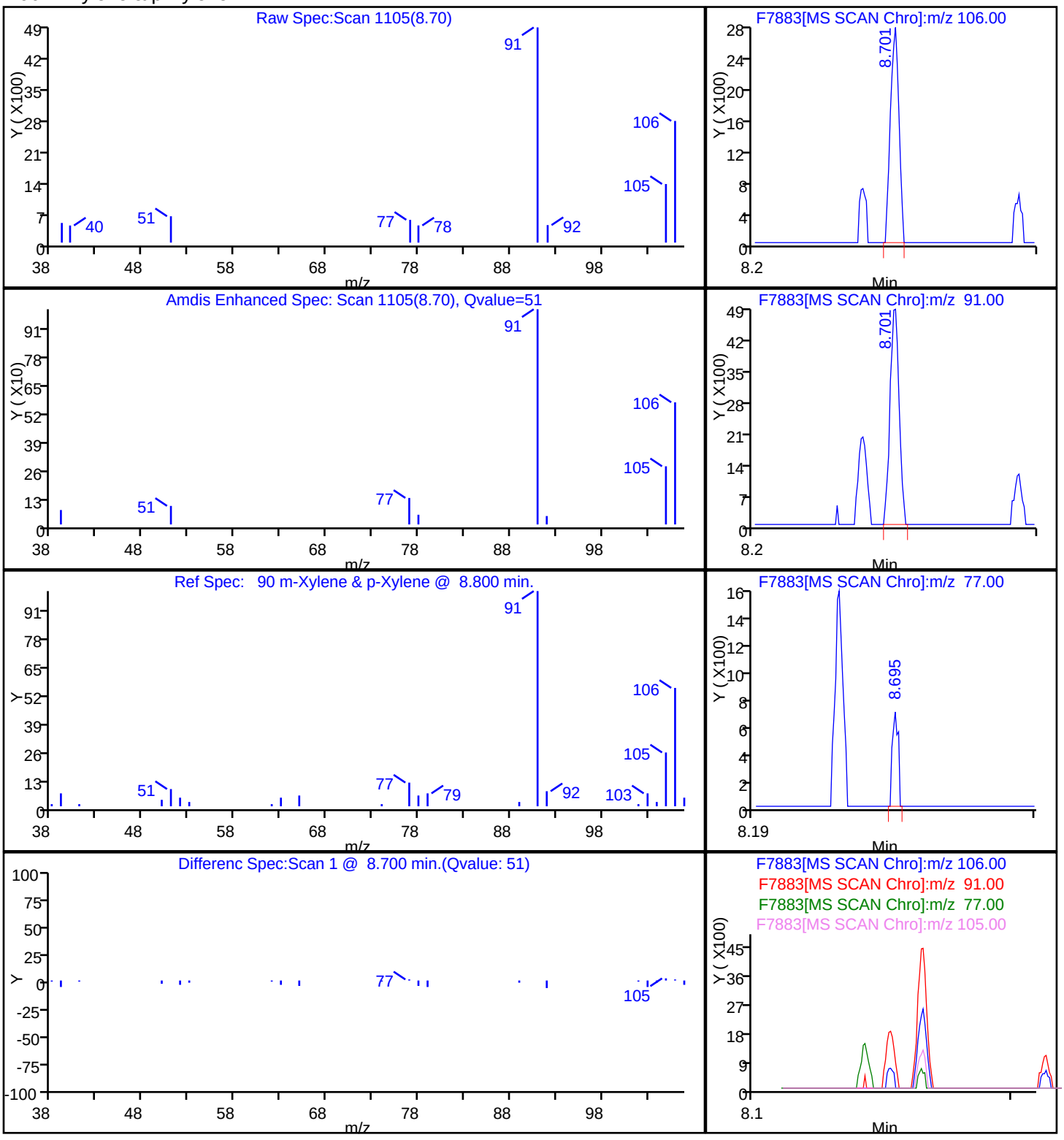
Data File: \\Bufchrom\ChromData\HP5973F\20120406-10799.b\F7883.D

Injection Date:	06-Apr-2012 23:58:30	Limit Group:	MV - 8260B ICAL
Client ID:	RB-03 (6"-12")	Instrument ID:	HP5973F
Lims Batch ID:	58567	Lims Sample ID:	7
Operator ID:	CDC		
Column Type:	ZB-624	Column Dia:	0.25 mm

Y Scaling:

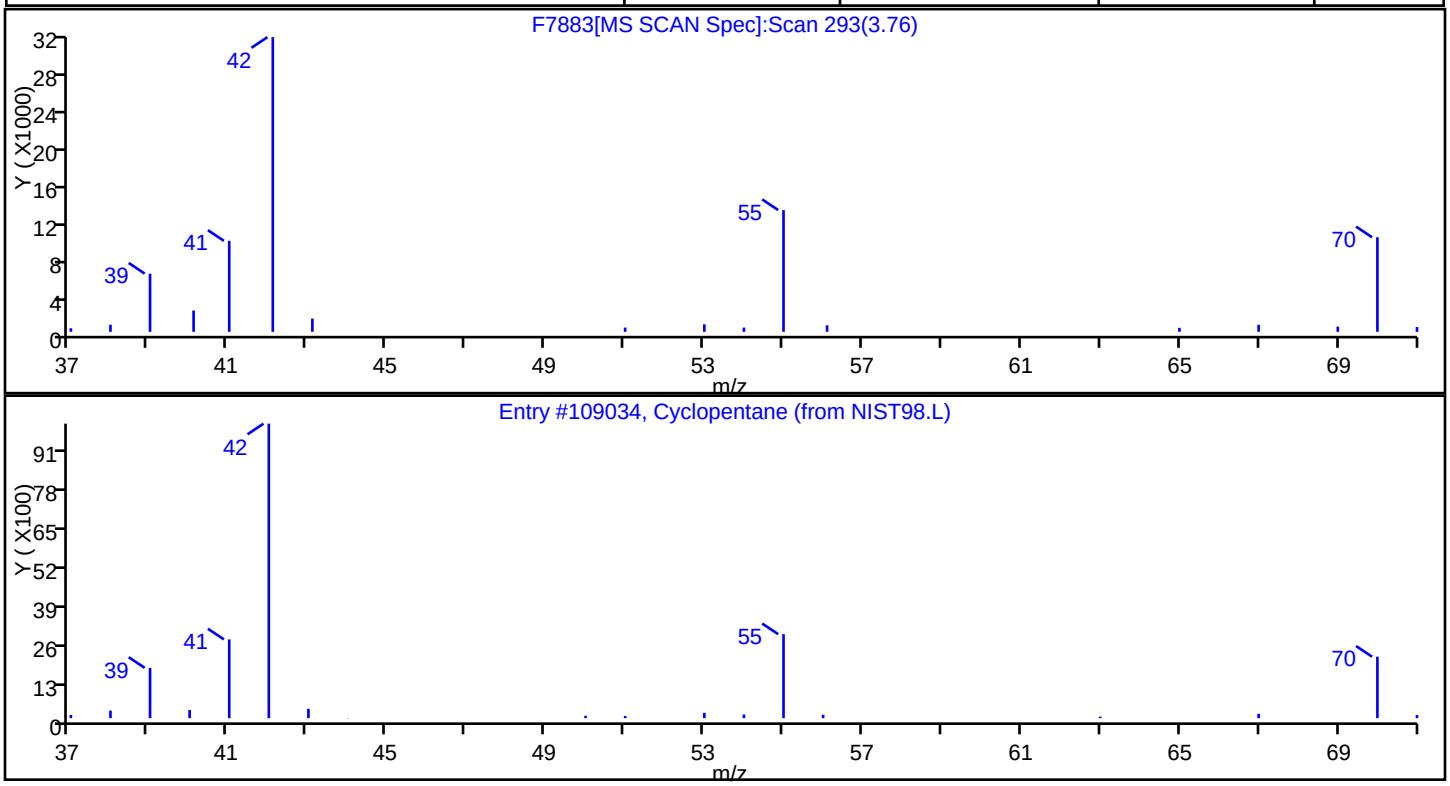


Report Date: 09-Apr-2012 11:48:27 Chrom Revision: 2.0 20-Feb-2012 13:27:02
Data File: \\Bufchrom\ChromData\HP5973F\20120406-10799.b\F7883.D
Injection Date: 06-Apr-2012 23:58:30 Limit Group: MV - 8260B ICAL
Client ID: RB-03 (6"-12") Instrument ID: HP5973F
Lims Batch ID: 58567 Lims Sample ID: 7
Operator ID: CDC
Column Type: ZB-624 Column Dia: 0.25 mm
90 m-Xylene & p-Xylene



Report Date: 09-Apr-2012 11:48:27 Chrom Revision: 2.0 20-Feb-2012 13:27:02
Data File: \\Bufchrom\ChromData\HP5973F\20120406-10799.b\F7883.D
Injection Date: 06-Apr-2012 23:58:30 Limit Group: MV - 8260B ICAL
Client ID: RB-03 (6"-12") Instrument ID: HP5973F
Lims Batch ID: 58567 Lims Sample ID: 7
Operator ID: CDC
Column Type: ZB-624 Column Dia: 0.25 mm

Library Search Compound Match	CAS Number	Library	Entry	Quality
Cyclopentane	287-92-3	NIST98.L	109034	90



FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Buffalo | Job No.: 480-18068-1

SDG No.:

Client Sample ID: RB-03 (12"-24") | Lab Sample ID: 480-18068-3

Matrix: Solid | Lab File ID: F7884.D

Analysis Method: 8260B | Date Collected: 04/02/2012 12:35

Sample wt/vol: 5.78(g) | Date Analyzed: 04/07/2012 00:24

Soil Aliquot Vol: | Dilution Factor: 1

Soil Extract Vol.: | GC Column: ZB-624 (60) ID: 0.25(mm)

% Moisture: 22.9 | Level: (low/med) Low

Analysis Batch No.: 58567 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
71-55-6	1,1,1-Trichloroethane	ND		5.6	0.41
79-34-5	1,1,2,2-Tetrachloroethane	ND		5.6	0.91
79-00-5	1,1,2-Trichloroethane	ND		5.6	0.73
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	ND		5.6	1.3
75-34-3	1,1-Dichloroethane	ND		5.6	0.68
75-35-4	1,1-Dichloroethene	ND		5.6	0.69
120-82-1	1,2,4-Trichlorobenzene	ND		5.6	0.34
96-12-8	1,2-Dibromo-3-Chloropropane	ND		5.6	2.8
106-93-4	1,2-Dibromoethane	ND		5.6	0.72
95-50-1	1,2-Dichlorobenzene	ND		5.6	0.44
107-06-2	1,2-Dichloroethane	ND		5.6	0.28
78-87-5	1,2-Dichloropropane	ND		5.6	2.8
541-73-1	1,3-Dichlorobenzene	ND		5.6	0.29
106-46-7	1,4-Dichlorobenzene	ND		5.6	0.79
591-78-6	2-Hexanone	ND		28	2.8
78-93-3	2-Butanone (MEK)	ND		28	2.1
108-10-1	4-Methyl-2-pentanone (MIBK)	ND		28	1.8
67-64-1	Acetone	ND		28	4.7
71-43-2	Benzene	ND		5.6	0.27
75-27-4	Bromodichloromethane	ND		5.6	0.75
75-25-2	Bromoform	ND		5.6	2.8
74-83-9	Bromomethane	ND		5.6	0.50
75-15-0	Carbon disulfide	ND		5.6	2.8
56-23-5	Carbon tetrachloride	ND		5.6	0.54
108-90-7	Chlorobenzene	ND		5.6	0.74
124-48-1	Dibromochloromethane	ND		5.6	0.72
75-00-3	Chloroethane	ND		5.6	1.3
67-66-3	Chloroform	ND		5.6	0.35
74-87-3	Chloromethane	ND		5.6	0.34
156-59-2	cis-1,2-Dichloroethene	ND		5.6	0.72
10061-01-5	cis-1,3-Dichloropropene	ND		5.6	0.81
110-82-7	Cyclohexane	ND		5.6	0.79
75-71-8	Dichlorodifluoromethane	ND		5.6	0.46
100-41-4	Ethylbenzene	0.46	J	5.6	0.39
98-82-8	Isopropylbenzene	ND		5.6	0.85

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Buffalo | Job No.: 480-18068-1

SDG No.:

Client Sample ID: RB-03 (12"-24") | Lab Sample ID: 480-18068-3

Matrix: Solid | Lab File ID: F7884.D

Analysis Method: 8260B | Date Collected: 04/02/2012 12:35

Sample wt/vol: 5.78(g) | Date Analyzed: 04/07/2012 00:24

Soil Aliquot Vol: | Dilution Factor: 1

Soil Extract Vol.: | GC Column: ZB-624 (60) ID: 0.25(mm)

% Moisture: 22.9 | Level: (low/med) Low

Analysis Batch No.: 58567 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
79-20-9	Methyl acetate	ND		5.6	1.0
1634-04-4	Methyl tert-butyl ether	ND		5.6	0.55
108-87-2	Methylcyclohexane	ND		5.6	0.85
75-09-2	Methylene Chloride	ND		5.6	2.6
100-42-5	Styrene	ND		5.6	0.28
127-18-4	Tetrachloroethene	ND		5.6	0.75
108-88-3	Toluene	ND		5.6	0.42
156-60-5	trans-1,2-Dichloroethene	ND		5.6	0.58
10061-02-6	trans-1,3-Dichloropropene	ND		5.6	2.5
79-01-6	Trichloroethene	ND		5.6	1.2
75-69-4	Trichlorofluoromethane	ND		5.6	0.53
75-01-4	Vinyl chloride	ND		5.6	0.68
1330-20-7	Xylenes, Total	1.4	J B	11	0.94

CAS NO.	SURROGATE	%REC	Q	LIMITS
17060-07-0	1,2-Dichloroethane-d4 (Surr)	114		64-126
2037-26-5	Toluene-d8 (Surr)	100		71-125
460-00-4	4-Bromofluorobenzene (Surr)	101		72-126

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

Lab Name: TestAmerica Buffalo | Job No.: 480-18068-1

SDG No.:

Client Sample ID: RB-03 (12"-24") | Lab Sample ID: 480-18068-3

Matrix: Solid | Lab File ID: F7884.D

Analysis Method: 8260B | Date Collected: 04/02/2012 12:35

Sample wt/vol: 5.78(g) | Date Analyzed: 04/07/2012 00:24

Soil Aliquot Vol: | Dilution Factor: 1

Soil Extract Vol.: | GC Column: ZB-624 (60) ID: 0.25(mm)

% Moisture: 22.9 | Level: (low/med) Low

Analysis Batch No.: 58567 | Units: ug/Kg

Number TICs Found: 2 | TIC Result Total: 15.2

CAS NO.	COMPOUND NAME	RT	RESULT	Q
	Unknown	3.77	8.0	T J
556-67-2	Cyclotetrasiloxane, octamethyl-	9.64	7.2	T J N

TestAmerica Laboratories
Target Compound Quantitation Report

Data File:	\\Bufchrom\ChromData\HP5973F\20120406-10799.b\F7884.D		
Lims ID:	480-18068-D-3-A	Client ID:	RB-03 (12"-24")
Inject. Date:	07-Apr-2012 00:24:30	Dil. Factor:	1.0000
Sample Type:	Client		
Sample ID:	480-18068-D-3-A		
Misc. Info.:	480-0010799-008 =480-0010799-008		
Operator:	CDC	Instrument ID:	HP5973F
Vol. Injected:	1.0000	ALS Bottle#:	3
Lims Batch ID:	58567	Lims Sample ID:	8
Detector:	MS SCAN		
Method:	\\Bufchrom\ChromData\HP5973F\20120406-10799.b\F-8260 SOIL.m		
Last Update:	09-Apr-2012 11:48:11	Calib Date:	09-Mar-2012 18:10:30
Quant Method:	Internal Standard	Quant By:	Initial Calibration
Last ICal File:	\\Bufchrom\ChromData\HP5973F\20120309-10095.b\F7259.D		
Limit Group:	MV - 8260B ICAL		
Integrator:	RTE	ID Type:	Deconvolution ID
Process Host:	CORP-CTX-16		
First Level Reviewer: ByrnesJ		Date:	09-Apr-2012 11:19:18

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/kg	Flags
* 1 1,4-Difluorobenzene	114	5.714	5.714	0.0	93	314998	50.0	
* 2 Chlorobenzene-d5	82	8.494	8.494	0.0	79	138931	50.0	
* 3 1,4-Dichlorobenzene-d4	152	10.800	10.800	0.0	93	156357	50.0	
$ 4 1,2-Dichloroethane-d4 (Surr)	67	5.410	5.410	0.0	99	54489	56.9	
$ 5 Toluene-d8 (Surr)	98	7.040	7.040	0.0	91	327694	49.9	
$ 6 4-Bromofluorobenzene (Surr)	174	9.705	9.705	0.0	88	110701	50.7	
10 Dichlorodifluoromethane	85		2.064					
12 Chloromethane	50		2.216					
13 Vinyl chloride	62		2.332					
14 Bromomethane	94		2.636					
15 Chloroethane	64		2.709					
17 Trichlorofluoromethane	101		2.934					
21 1,1,2-Trichloro-1,2,2-trifluoroe	101		3.311					
22 1,1-Dichloroethene	96		3.341					
23 Acetone	43		3.390					
26 Carbon disulfide	76		3.567					
27 Methyl acetate	43		3.615					
30 Methylene Chloride	84		3.737					
32 Methyl tert-butyl ether	73		3.895					
34 trans-1,2-Dichloroethene	96		3.932					
39 1,1-Dichloroethane	63		4.272					
43 2-Butanone (MEK)	43		4.716					
45 cis-1,2-Dichloroethene	96		4.729					
50 Chloroform	83		4.972					
51 1,1,1-Trichloroethane	97		5.124					
52 Cyclohexane	56		5.154					
55 Carbon tetrachloride	117		5.252					
57 Benzene	78		5.434					
58 1,2-Dichloroethane	62		5.471					
62 Trichloroethene	95		5.957					
64 Methylcyclohexane	83		6.097					

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/kg	Flags
65 1,2-Dichloropropane	63		6.182					
68 Dichlorobromomethane	83		6.426					
72 cis-1,3-Dichloropropene	75		6.809					
73 4-Methyl-2-pentanone (MIBK)	43		6.906					
74 Toluene	92		7.107					
77 trans-1,3-Dichloropropene	75		7.326					
79 1,1,2-Trichloroethane	83		7.527					
81 Tetrachloroethene	166		7.630					
80 2-Hexanone	43		7.697					
83 Chlorodibromomethane	129		7.941					
84 Ethylene Dibromide	107		8.074					
87 Chlorobenzene	112		8.525					
88 Ethylbenzene	91	8.585	8.585	0.0	1	3511	0.4117	
90 m-Xylene & p-Xylene	106	8.701	8.701	0.0	32	4535	1.27	
91 o-Xylene	106		9.133					
92 Styrene	104		9.157					
95 Bromoform	173		9.431					
94 Isopropylbenzene	105		9.492					
97 1,1,2,2-Tetrachloroethane	83		9.857					
111 1,3-Dichlorobenzene	146		10.739					
113 1,4-Dichlorobenzene	146		10.818					
116 1,2-Dichlorobenzene	146		11.159					
117 1,2-Dibromo-3-Chloropropane	75		11.834					
119 1,2,4-Trichlorobenzene	180		12.491					
S 124 Xylenes, Total	1				0		1.27	

TestAmerica Laboratories
Tentatively Identified Quantitation Report

Data File:	\\Bufchrom\ChromData\HP5973F\20120406-10799.b\F7884.D		
Lims ID:	480-18068-D-3-A	Client ID:	RB-03 (12"-24")
Inject. Date:	07-Apr-2012 00:24:30	Dil. Factor:	1.0000
Sample Type:	Client		
Sample ID:	480-18068-D-3-A		
Misc. Info.:	480-0010799-008 =480-0010799-008		
Operator:	CDC	Instrument ID:	HP5973F
Vol. Injected:	1.0000	ALS Bottle#:	3
Lims Batch ID:	58567	Lims Sample ID:	8
Detector:	MS SCAN		
Method:	\\Bufchrom\ChromData\HP5973F\20120406-10799.b\F-8260 SOIL.m		
Last Update:	09-Apr-2012 11:48:11	Calib Date:	09-Mar-2012 18:10:30
Tic RT Window:	1.500 -0.000	Response:	area
Quant By:	Nearest ISTD	Quant LOD:	10.00000
MS Library:	\\Bufchrom\ChromData\Database\NIST98.L		
Min. Match:	85		
Process Host:	CORP-CTX-16		
First Level Reviewer: ByrnesJ		Date:	09-Apr-2012 11:19:18

Calibrated Tentative Identified Compound Results

Compound	RT	Response	Amount ug/kg	Flags
Hexane	4.071	2317	0.8419	
1,2,4-Trimethylbenzene	10.429	3849	0.5300	

Tentative Identified Compound Results

RT	Response	Amount ug/kg	Quant Cpnd	Qual	Lib Entry	Flags
	Unknown					
3.773	93358	7.17	1			
556-67-2	Cyclotetrasiloxane, octamethyl-					
9.638	102207	6.46	2	91	97367	

Quantitation Compounds

Compound	RT	Response	Amount ug/kg
* 1 1,4-Difluorobenzene	5.714	651320	50.0
* 2 Chlorobenzene-d5	8.494	791666	50.0

QC Flag Legend

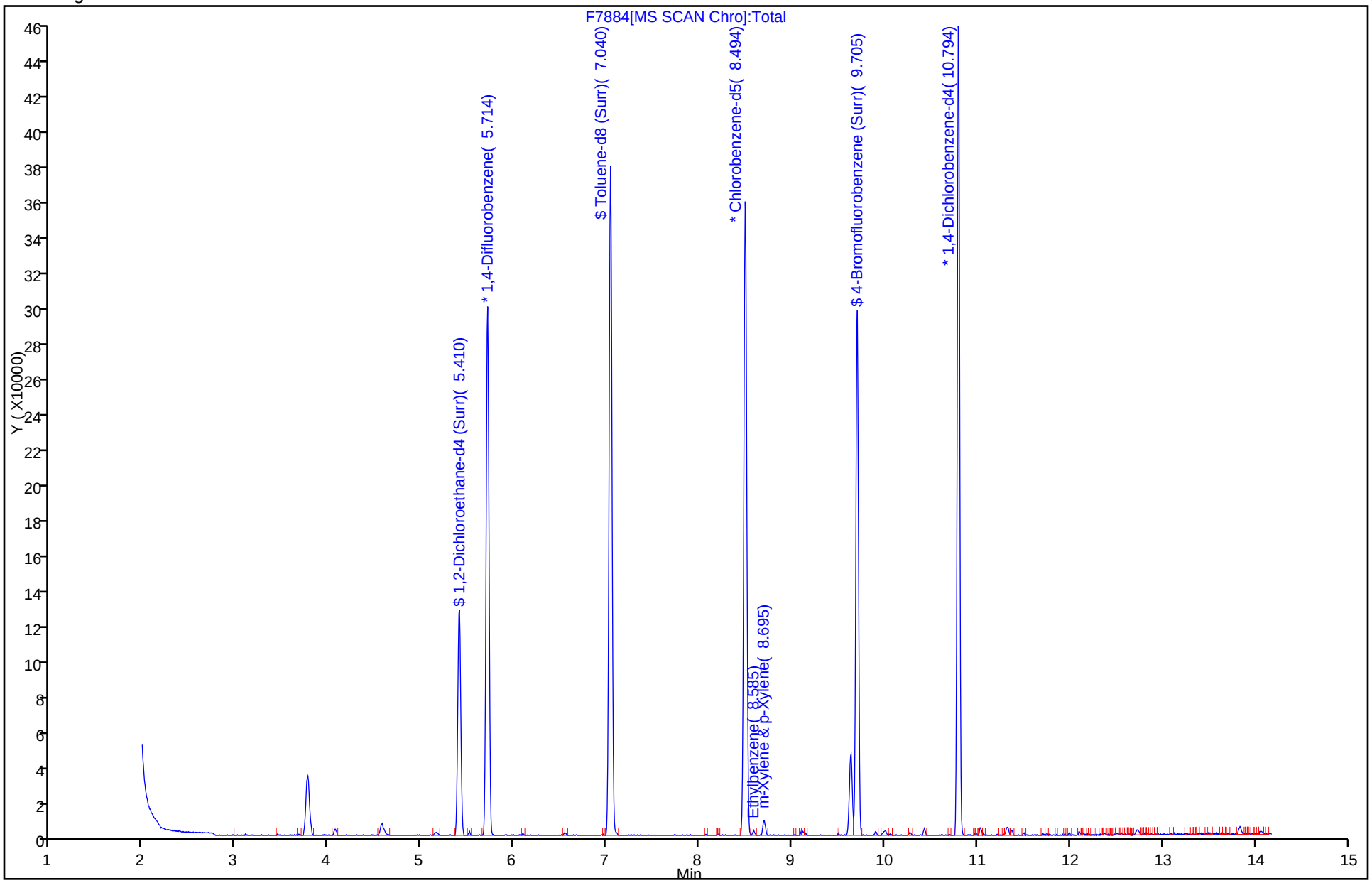
Processing Flags

Report Date: 09-Apr-2012 11:48:26 Chrom Revision: 2.0 20-Feb-2012 13:27:02

Data File: \\Bufchrom\ChromData\HP5973F\20120406-10799.b\F7884.D

Injection Date:	07-Apr-2012 00:24:30	Limit Group:	MV - 8260B ICAL
Client ID:	RB-03 (12"-24")	Instrument ID:	HP5973F
Lims Batch ID:	58567	Lims Sample ID:	8
Operator ID:	CDC		
Column Type:	ZB-624	Column Dia:	0.25 mm

Y Scaling:



Report Date: 09-Apr-2012 11:48:26 Chrom Revision: 2.0 20-Feb-2012 13:27:02

Data File: \\Bufchrom\ChromData\HP5973F\20120406-10799.b\F7884.D

Injection Date: 07-Apr-2012 00:24:30 Limit Group: MV - 8260B ICAL

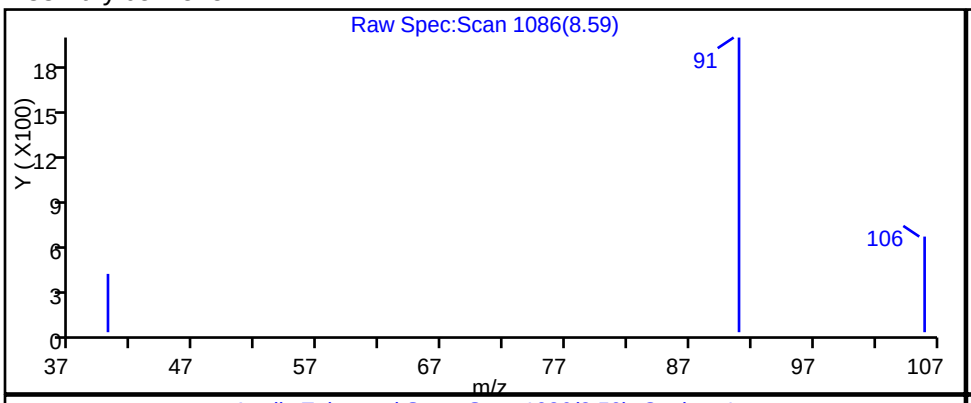
Client ID: RB-03 (12"-24") Instrument ID: HP5973F

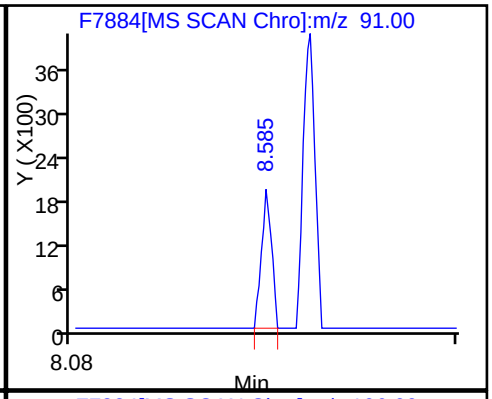
Lims Batch ID: 58567 Lims Sample ID: 8

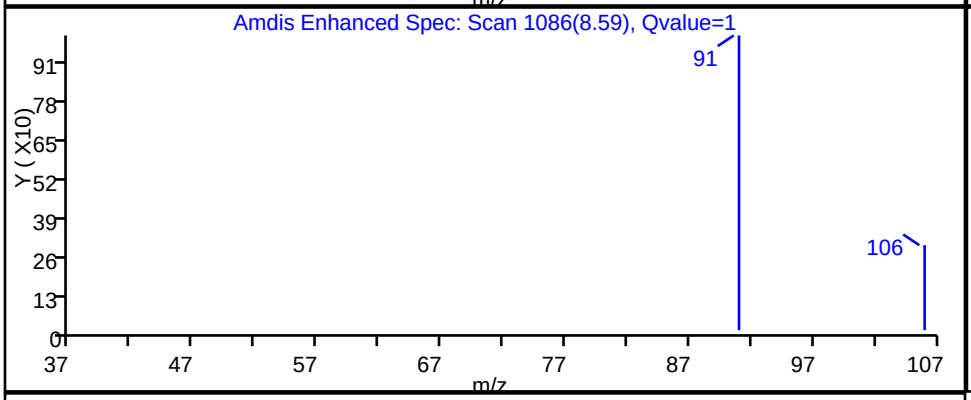
Operator ID: CDC

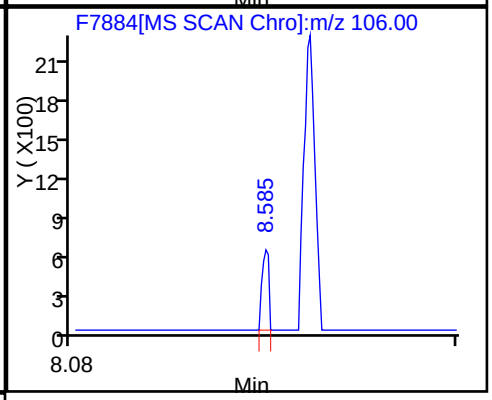
Column Type: ZB-624 Column Dia: 0.25 mm

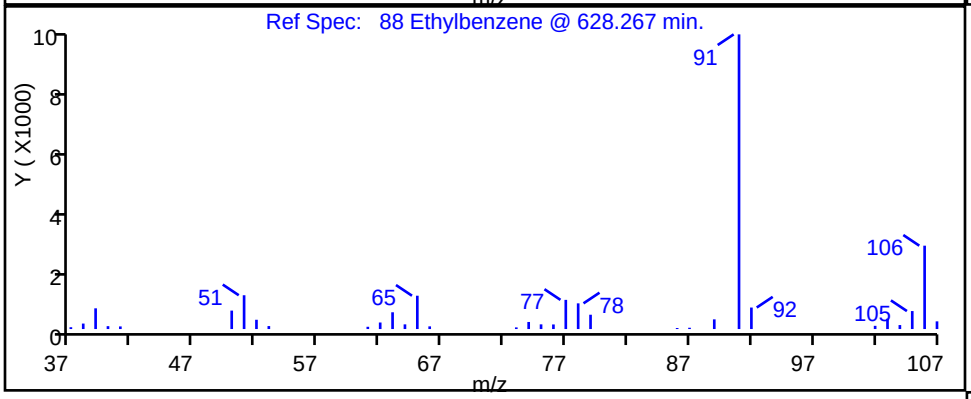
88 Ethylbenzene

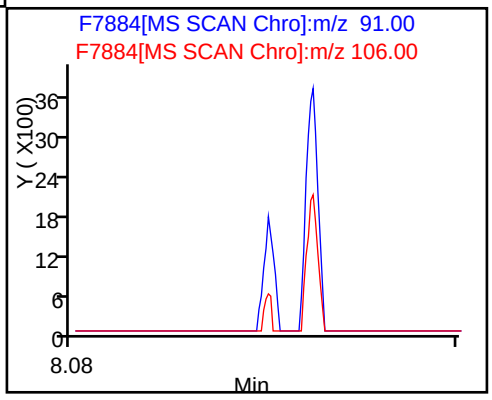










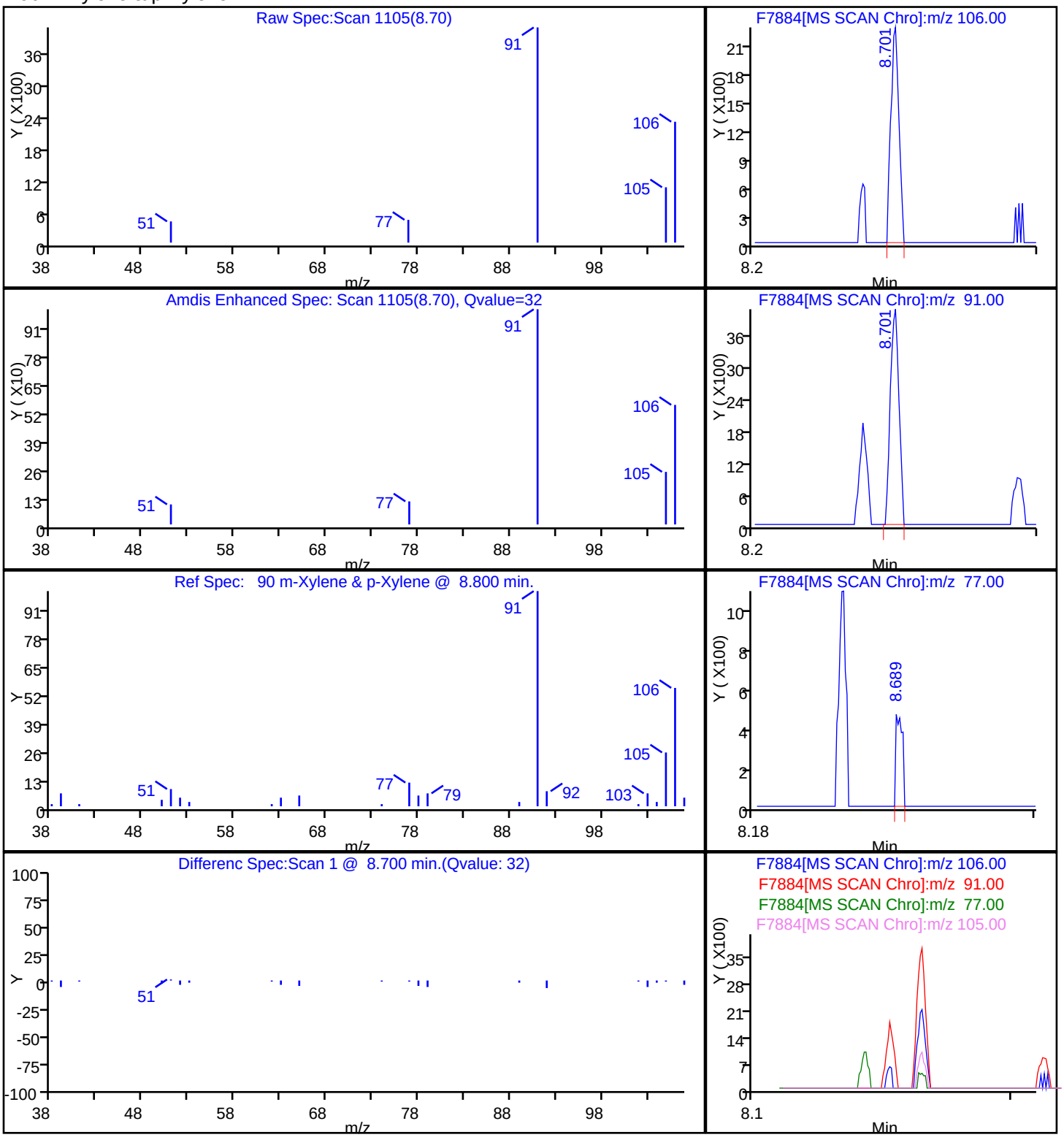


Report Date: 09-Apr-2012 11:48:26 Chrom Revision: 2.0 20-Feb-2012 13:27:02

Data File: \\Bufchrom\ChromData\HP5973F\20120406-10799.b\F7884.D

Injection Date:	07-Apr-2012 00:24:30	Limit Group:	MV - 8260B ICAL
Client ID:	RB-03 (12"-24")	Instrument ID:	HP5973F
Lims Batch ID:	58567	Lims Sample ID:	8
Operator ID:	CDC		
Column Type:	ZB-624	Column Dia:	0.25 mm

90 m-Xylene & p-Xylene

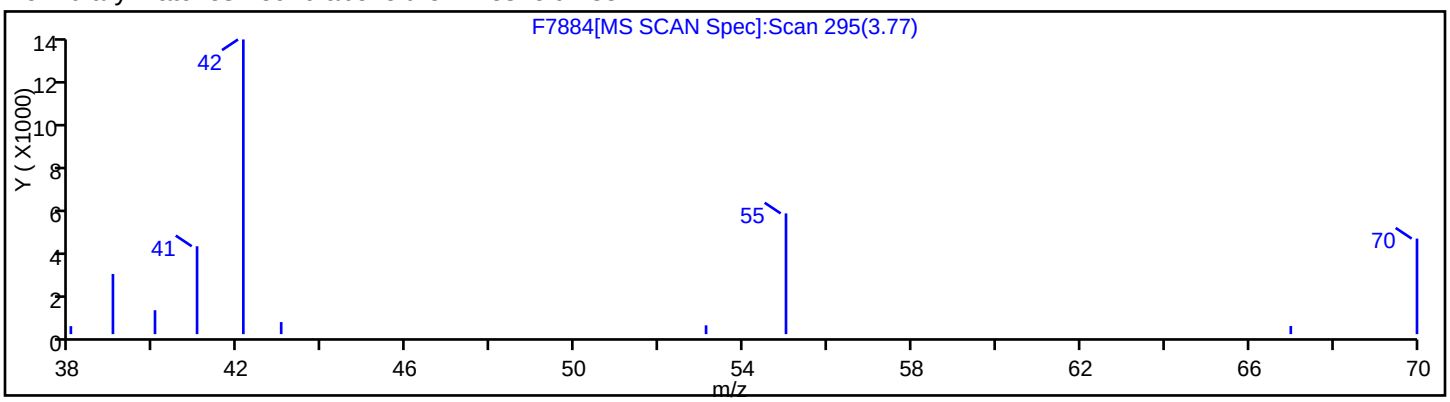


Report Date: 09-Apr-2012 11:48:26 Chrom Revision: 2.0 20-Feb-2012 13:27:02

Data File: \\Bufchrom\ChromData\HP5973F\20120406-10799.b\F7884.D

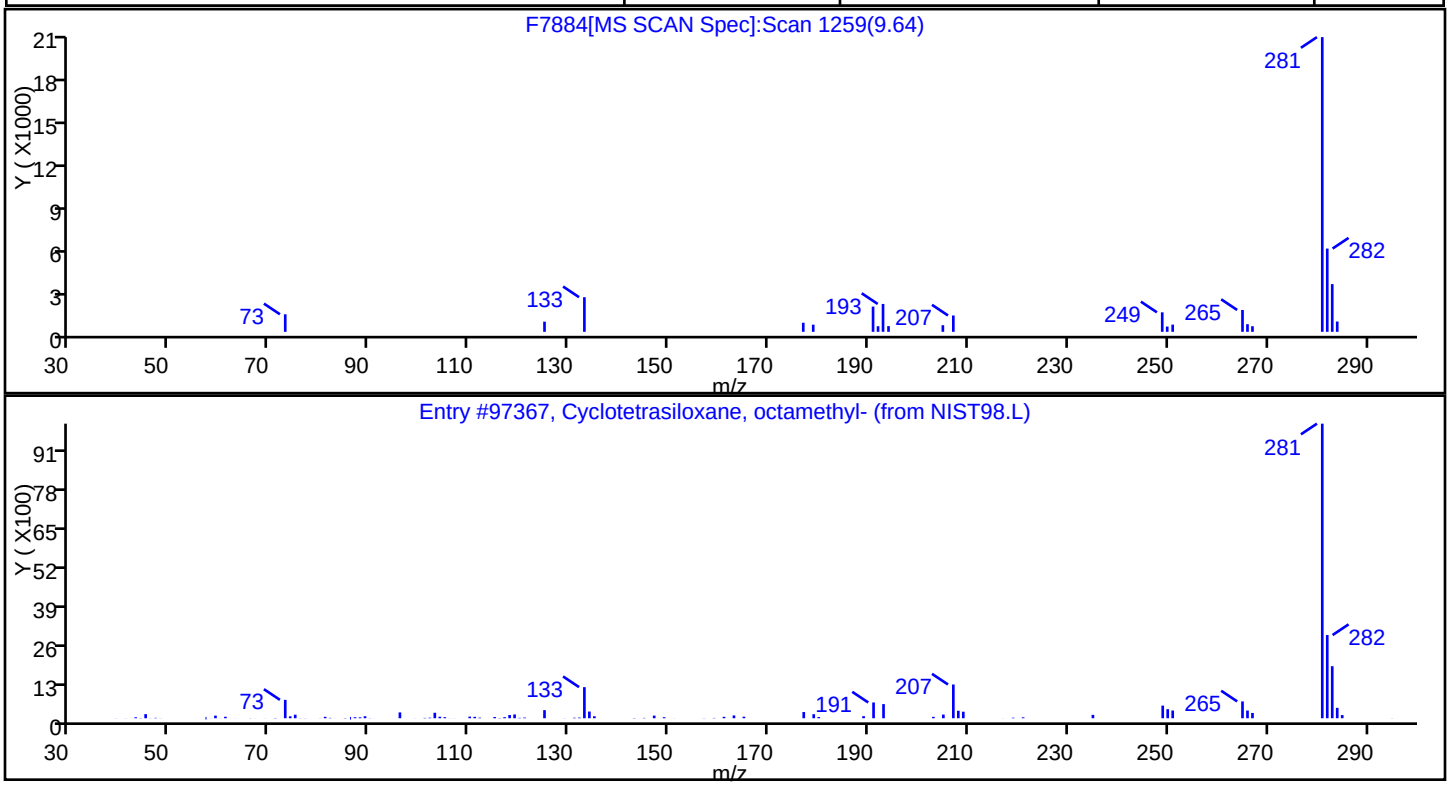
Injection Date:	07-Apr-2012 00:24:30	Limit Group:	MV - 8260B ICAL
Client ID:	RB-03 (12"-24")	Instrument ID:	HP5973F
Lims Batch ID:	58567	Lims Sample ID:	8
Operator ID:	CDC		
Column Type:	ZB-624	Column Dia:	0.25 mm

No Library Matches Found above the Threshold: 85



Report Date: 09-Apr-2012 11:48:26 Chrom Revision: 2.0 20-Feb-2012 13:27:02
Data File: \\Bufchrom\ChromData\HP5973F\20120406-10799.b\F7884.D
Injection Date: 07-Apr-2012 00:24:30 Limit Group: MV - 8260B ICAL
Client ID: RB-03 (12"-24") Instrument ID: HP5973F
Lims Batch ID: 58567 Lims Sample ID: 8
Operator ID: CDC
Column Type: ZB-624 Column Dia: 0.25 mm

Library Search Compound Match	CAS Number	Library	Entry	Quality
Cyclotetrasiloxane, octamethyl-	556-67-2	NIST98.L	97367	91



FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Buffalo | Job No.: 480-18068-1

SDG No.:

Client Sample ID: RB-04 (0-6") | Lab Sample ID: 480-18068-4

Matrix: Solid | Lab File ID: F7885.D

Analysis Method: 8260B | Date Collected: 04/02/2012 14:05

Sample wt/vol: 5.27(g) | Date Analyzed: 04/07/2012 00:49

Soil Aliquot Vol: | Dilution Factor: 1

Soil Extract Vol.: | GC Column: ZB-624 (60) ID: 0.25(mm)

% Moisture: 25.4 | Level: (low/med) Low

Analysis Batch No.: 58567 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
71-55-6	1,1,1-Trichloroethane	ND		6.4	0.46
79-34-5	1,1,2,2-Tetrachloroethane	ND		6.4	1.0
79-00-5	1,1,2-Trichloroethane	ND		6.4	0.83
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	ND		6.4	1.5
75-34-3	1,1-Dichloroethane	ND		6.4	0.78
75-35-4	1,1-Dichloroethene	ND		6.4	0.78
120-82-1	1,2,4-Trichlorobenzene	ND		6.4	0.39
96-12-8	1,2-Dibromo-3-Chloropropane	ND		6.4	3.2
106-93-4	1,2-Dibromoethane	ND		6.4	0.82
95-50-1	1,2-Dichlorobenzene	ND		6.4	0.50
107-06-2	1,2-Dichloroethane	ND		6.4	0.32
78-87-5	1,2-Dichloropropane	ND		6.4	3.2
541-73-1	1,3-Dichlorobenzene	ND		6.4	0.33
106-46-7	1,4-Dichlorobenzene	ND		6.4	0.89
591-78-6	2-Hexanone	ND		32	3.2
78-93-3	2-Butanone (MEK)	ND		32	2.3
108-10-1	4-Methyl-2-pentanone (MIBK)	ND		32	2.1
67-64-1	Acetone	ND		32	5.4
71-43-2	Benzene	ND		6.4	0.31
75-27-4	Bromodichloromethane	ND		6.4	0.85
75-25-2	Bromoform	ND		6.4	3.2
74-83-9	Bromomethane	ND		6.4	0.57
75-15-0	Carbon disulfide	ND		6.4	3.2
56-23-5	Carbon tetrachloride	ND		6.4	0.62
108-90-7	Chlorobenzene	ND		6.4	0.84
124-48-1	Dibromochloromethane	ND		6.4	0.81
75-00-3	Chloroethane	ND		6.4	1.4
67-66-3	Chloroform	ND		6.4	0.39
74-87-3	Chloromethane	ND		6.4	0.38
156-59-2	cis-1,2-Dichloroethene	ND		6.4	0.81
10061-01-5	cis-1,3-Dichloropropene	ND		6.4	0.92
110-82-7	Cyclohexane	ND		6.4	0.89
75-71-8	Dichlorodifluoromethane	ND		6.4	0.53
100-41-4	Ethylbenzene	ND		6.4	0.44
98-82-8	Isopropylbenzene	ND		6.4	0.96

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Buffalo | Job No.: 480-18068-1

SDG No.:

Client Sample ID: RB-04 (0-6") | Lab Sample ID: 480-18068-4

Matrix: Solid | Lab File ID: F7885.D

Analysis Method: 8260B | Date Collected: 04/02/2012 14:05

Sample wt/vol: 5.27(g) | Date Analyzed: 04/07/2012 00:49

Soil Aliquot Vol: | Dilution Factor: 1

Soil Extract Vol.: | GC Column: ZB-624 (60) ID: 0.25(mm)

% Moisture: 25.4 | Level: (low/med) Low

Analysis Batch No.: 58567 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
79-20-9	Methyl acetate	ND		6.4	1.2
1634-04-4	Methyl tert-butyl ether	ND		6.4	0.62
108-87-2	Methylcyclohexane	ND		6.4	0.97
75-09-2	Methylene Chloride	ND		6.4	2.9
100-42-5	Styrene	ND		6.4	0.32
127-18-4	Tetrachloroethene	ND		6.4	0.85
108-88-3	Toluene	ND		6.4	0.48
156-60-5	trans-1,2-Dichloroethene	ND		6.4	0.66
10061-02-6	trans-1,3-Dichloropropene	ND		6.4	2.8
79-01-6	Trichloroethene	ND		6.4	1.4
75-69-4	Trichlorofluoromethane	ND		6.4	0.60
75-01-4	Vinyl chloride	ND		6.4	0.78
1330-20-7	Xylenes, Total	1.2	J B	13	1.1

CAS NO.	SURROGATE	%REC	Q	LIMITS
17060-07-0	1,2-Dichloroethane-d4 (Surr)	102		64-126
2037-26-5	Toluene-d8 (Surr)	106		71-125
460-00-4	4-Bromofluorobenzene (Surr)	100		72-126

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

Lab Name: TestAmerica Buffalo | Job No.: 480-18068-1

SDG No.:

Client Sample ID: RB-04 (0-6") | Lab Sample ID: 480-18068-4

Matrix: Solid | Lab File ID: F7885.D

Analysis Method: 8260B | Date Collected: 04/02/2012 14:05

Sample wt/vol: 5.27(g) | Date Analyzed: 04/07/2012 00:49

Soil Aliquot Vol: | Dilution Factor: 1

Soil Extract Vol.: | GC Column: ZB-624 (60) ID: 0.25(mm)

% Moisture: 25.4 | Level: (low/med) Low

Analysis Batch No.: 58567 | Units: ug/Kg

Number TICs Found: 0 | TIC Result Total: 0

CAS NO.	COMPOUND NAME	RT	RESULT	Q
	Tentatively Identified Compound		None	

TestAmerica Laboratories
Target Compound Quantitation Report

Data File: \\Bufchrom\ChromData\HP5973F\20120406-10799.b\F7885.D
Lims ID: 480-18068-D-4-A Client ID: RB-04 (0-6")
Inject. Date: 07-Apr-2012 00:49:30 Dil. Factor: 1.0000
Sample Type: Client
Sample ID: 480-18068-D-4-A
Misc. Info.: 480-0010799-009 =480-0010799-009
Operator: CDC Instrument ID: HP5973F
Vol. Injected: 1.0000 ALS Bottle#: 4
Lims Batch ID: 58567 Lims Sample ID: 9
Detector: MS SCAN

Method: \\Bufchrom\ChromData\HP5973F\20120406-10799.b\F-8260 SOIL.m
Last Update: 09-Apr-2012 11:48:11 Calib Date: 09-Mar-2012 18:10:30
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\Bufchrom\ChromData\HP5973F\20120309-10095.b\F7259.D
Limit Group: MV - 8260B ICAL
Integrator: RTE ID Type: Deconvolution ID
Process Host: CORP-CTX-16

	Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/kg	Flags
*	1 1,4-Difluorobenzene	114	5.714	5.714	0.0	93	467641	50.0	
*	2 Chlorobenzene-d5	82	8.494	8.494	0.0	81	198177	50.0	
*	3 1,4-Dichlorobenzene-d4	152	10.794	10.800	-0.006	93	214514	50.0	
$	4 1,2-Dichloroethane-d4 (Surr)	67	5.404	5.410	-0.006	99	72763	51.2	
$	5 Toluene-d8 (Surr)	98	7.040	7.040	0.0	91	494872	52.9	
$	6 4-Bromofluorobenzene (Surr)	174	9.705	9.705	0.0	89	155711	50.0	
	10 Dichlorodifluoromethane	85		2.064					
	12 Chloromethane	50		2.216					
	13 Vinyl chloride	62		2.332					
	14 Bromomethane	94		2.636					
	15 Chloroethane	64		2.709					
	17 Trichlorofluoromethane	101		2.934					
	21 1,1,2-Trichloro-1,2,2-trifluoroe	101		3.311					
	22 1,1-Dichloroethene	96		3.341					
	23 Acetone	43		3.390					
	26 Carbon disulfide	76		3.567					
	27 Methyl acetate	43		3.615					
	30 Methylene Chloride	84		3.737					
	32 Methyl tert-butyl ether	73		3.895					
	34 trans-1,2-Dichloroethene	96		3.932					
	39 1,1-Dichloroethane	63		4.272					
	43 2-Butanone (MEK)	43		4.716					
	45 cis-1,2-Dichloroethene	96		4.729					
	50 Chloroform	83		4.972					
	51 1,1,1-Trichloroethane	97		5.124					
	52 Cyclohexane	56		5.154					
	55 Carbon tetrachloride	117		5.252					
	57 Benzene	78		5.434					
	58 1,2-Dichloroethane	62		5.471					
	62 Trichloroethene	95		5.957					
	64 Methylcyclohexane	83		6.097					
	65 1,2-Dichloropropane	63		6.182					
	68 Dichlorobromomethane	83		6.426					

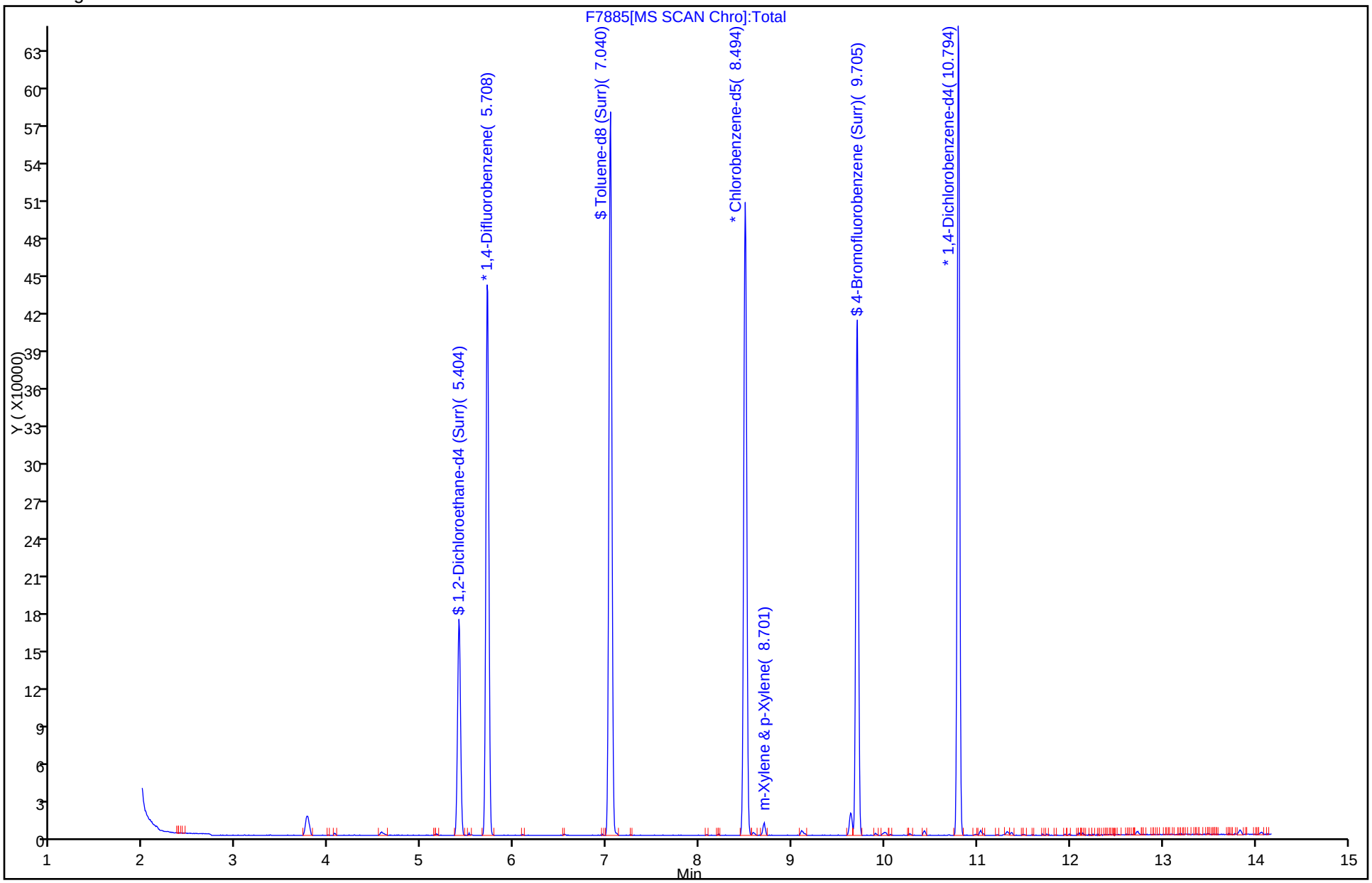
Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/kg	Flags
72 cis-1,3-Dichloropropene	75		6.809					
73 4-Methyl-2-pentanone (MIBK)	43		6.906					
74 Toluene	92		7.107					
77 trans-1,3-Dichloropropene	75		7.326					
79 1,1,2-Trichloroethane	83		7.527					
81 Tetrachloroethene	166		7.630					
80 2-Hexanone	43		7.697					
83 Chlorodibromomethane	129		7.941					
84 Ethylene Dibromide	107		8.074					
87 Chlorobenzene	112		8.525					
88 Ethylbenzene	91		8.585					
90 m-Xylene & p-Xylene	106	8.701	8.701	0.0	45	4798	0.9438	
91 o-Xylene	106		9.133					
92 Styrene	104		9.157					
95 Bromoform	173		9.431					
94 Isopropylbenzene	105		9.492					
97 1,1,2,2-Tetrachloroethane	83		9.857					
111 1,3-Dichlorobenzene	146		10.739					
113 1,4-Dichlorobenzene	146		10.818					
116 1,2-Dichlorobenzene	146		11.159					
117 1,2-Dibromo-3-Chloropropane	75		11.834					
119 1,2,4-Trichlorobenzene	180		12.491					
S 124 Xylenes, Total	1				0		0.9438	

Report Date: 09-Apr-2012 11:48:26 Chrom Revision: 2.0 20-Feb-2012 13:27:02

Data File: \\Bufchrom\ChromData\HP5973F\20120406-10799.b\F7885.D

Injection Date:	07-Apr-2012 00:49:30	Limit Group:	MV - 8260B ICAL
Client ID:	RB-04 (0-6")	Instrument ID:	HP5973F
Lims Batch ID:	58567	Lims Sample ID:	9
Operator ID:	CDC		
Column Type:	ZB-624	Column Dia:	0.25 mm

Y Scaling:

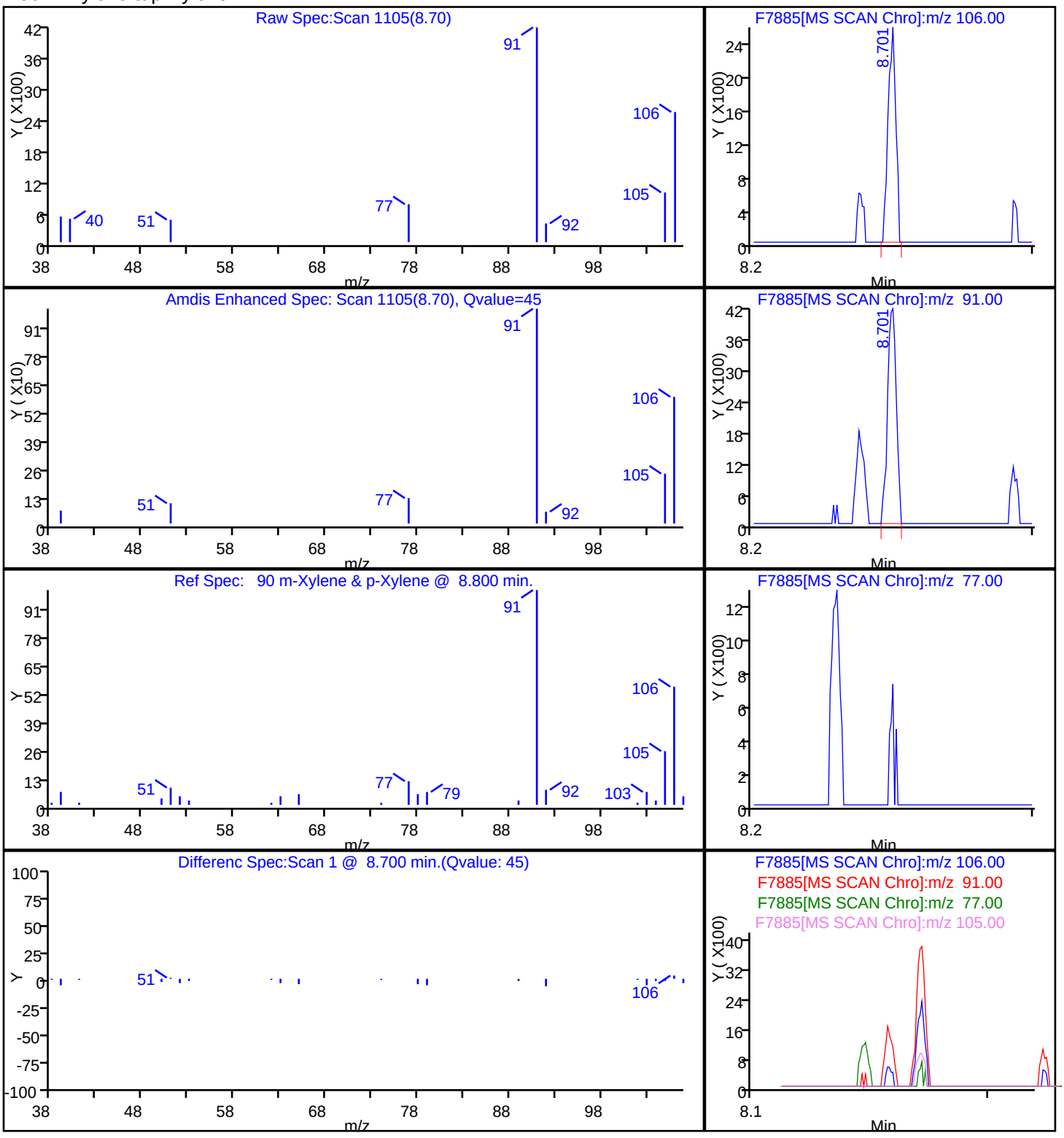


Report Date: 09-Apr-2012 11:48:26 Chrom Revision: 2.0 20-Feb-2012 13:27:02

Data File: \\Bufchrom\ChromData\HP5973F\20120406-10799.b\F7885.D

Injection Date:	07-Apr-2012 00:49:30	Limit Group:	MV - 8260B ICAL
Client ID:	RB-04 (0-6")	Instrument ID:	HP5973F
Lims Batch ID:	58567	Lims Sample ID:	9
Operator ID:	CDC		
Column Type:	ZB-624	Column Dia:	0.25 mm

90 m-Xylene & p-Xylene



FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Buffalo | Job No.: 480-18068-1

SDG No.:

Client Sample ID: RB-04 (6"-12" | Lab Sample ID: 480-18068-5

Matrix: Solid | Lab File ID: F7886.D

Analysis Method: 8260B | Date Collected: 04/02/2012 14:22

Sample wt/vol: 6.15(g) | Date Analyzed: 04/07/2012 01:15

Soil Aliquot Vol: | Dilution Factor: 1

Soil Extract Vol.: | GC Column: ZB-624 (60) ID: 0.25(mm)

% Moisture: 25.9 | Level: (low/med) Low

Analysis Batch No.: 58567 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
71-55-6	1,1,1-Trichloroethane	ND		5.5	0.40
79-34-5	1,1,2,2-Tetrachloroethane	ND		5.5	0.89
79-00-5	1,1,2-Trichloroethane	ND		5.5	0.71
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	ND		5.5	1.3
75-34-3	1,1-Dichloroethane	ND		5.5	0.67
75-35-4	1,1-Dichloroethene	ND		5.5	0.67
120-82-1	1,2,4-Trichlorobenzene	ND		5.5	0.33
96-12-8	1,2-Dibromo-3-Chloropropane	ND		5.5	2.7
106-93-4	1,2-Dibromoethane	ND		5.5	0.70
95-50-1	1,2-Dichlorobenzene	ND		5.5	0.43
107-06-2	1,2-Dichloroethane	ND		5.5	0.28
78-87-5	1,2-Dichloropropane	ND		5.5	2.7
541-73-1	1,3-Dichlorobenzene	ND		5.5	0.28
106-46-7	1,4-Dichlorobenzene	ND		5.5	0.77
591-78-6	2-Hexanone	ND		27	2.7
78-93-3	2-Butanone (MEK)	ND		27	2.0
108-10-1	4-Methyl-2-pentanone (MIBK)	ND		27	1.8
67-64-1	Acetone	ND		27	4.6
71-43-2	Benzene	ND		5.5	0.27
75-27-4	Bromodichloromethane	ND		5.5	0.74
75-25-2	Bromoform	ND		5.5	2.7
74-83-9	Bromomethane	ND		5.5	0.49
75-15-0	Carbon disulfide	ND		5.5	2.7
56-23-5	Carbon tetrachloride	ND		5.5	0.53
108-90-7	Chlorobenzene	ND		5.5	0.72
124-48-1	Dibromochloromethane	ND		5.5	0.70
75-00-3	Chloroethane	ND		5.5	1.2
67-66-3	Chloroform	ND		5.5	0.34
74-87-3	Chloromethane	ND		5.5	0.33
156-59-2	cis-1,2-Dichloroethene	ND		5.5	0.70
10061-01-5	cis-1,3-Dichloropropene	ND		5.5	0.79
110-82-7	Cyclohexane	ND		5.5	0.77
75-71-8	Dichlorodifluoromethane	ND		5.5	0.45
100-41-4	Ethylbenzene	ND		5.5	0.38
98-82-8	Isopropylbenzene	ND		5.5	0.83

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Buffalo | Job No.: 480-18068-1

SDG No.:

Client Sample ID: RB-04 (6"-12" | Lab Sample ID: 480-18068-5

Matrix: Solid | Lab File ID: F7886.D

Analysis Method: 8260B | Date Collected: 04/02/2012 14:22

Sample wt/vol: 6.15(g) | Date Analyzed: 04/07/2012 01:15

Soil Aliquot Vol: | Dilution Factor: 1

Soil Extract Vol.: | GC Column: ZB-624 (60) ID: 0.25(mm)

% Moisture: 25.9 | Level: (low/med) Low

Analysis Batch No.: 58567 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
79-20-9	Methyl acetate	ND		5.5	1.0
1634-04-4	Methyl tert-butyl ether	ND		5.5	0.54
108-87-2	Methylcyclohexane	ND		5.5	0.83
75-09-2	Methylene Chloride	ND		5.5	2.5
100-42-5	Styrene	ND		5.5	0.27
127-18-4	Tetrachloroethene	ND		5.5	0.74
108-88-3	Toluene	ND		5.5	0.41
156-60-5	trans-1,2-Dichloroethene	ND		5.5	0.57
10061-02-6	trans-1,3-Dichloropropene	ND		5.5	2.4
79-01-6	Trichloroethene	ND		5.5	1.2
75-69-4	Trichlorofluoromethane	ND		5.5	0.52
75-01-4	Vinyl chloride	ND		5.5	0.67
1330-20-7	Xylenes, Total	1.2	J B	11	0.92

CAS NO.	SURROGATE	%REC	Q	LIMITS
17060-07-0	1,2-Dichloroethane-d4 (Surr)	101		64-126
2037-26-5	Toluene-d8 (Surr)	104		71-125
460-00-4	4-Bromofluorobenzene (Surr)	98		72-126

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

Lab Name: TestAmerica Buffalo | Job No.: 480-18068-1

SDG No.:

Client Sample ID: RB-04 (6"-12" | Lab Sample ID: 480-18068-5

Matrix: Solid | Lab File ID: F7886.D

Analysis Method: 8260B | Date Collected: 04/02/2012 14:22

Sample wt/vol: 6.15(g) | Date Analyzed: 04/07/2012 01:15

Soil Aliquot Vol: | Dilution Factor: 1

Soil Extract Vol.: | GC Column: ZB-624 (60) ID: 0.25(mm)

% Moisture: 25.9 | Level: (low/med) Low

Analysis Batch No.: 58567 | Units: ug/Kg

Number TICs Found: 0 | TIC Result Total: 0

CAS NO.	COMPOUND NAME	RT	RESULT	Q
	Tentatively Identified Compound		None	

TestAmerica Laboratories
Target Compound Quantitation Report

Data File: \\Bufchrom\ChromData\HP5973F\20120406-10799.b\F7886.D
Lims ID: 480-18068-D-5-A
Client ID: RB-04 (6"-12"
Inject. Date: 07-Apr-2012 01:15:30
Dil. Factor: 1.0000
Sample Type: Client
Sample ID: 480-18068-D-5-A
Misc. Info.: 480-0010799-010 =480-0010799-010
Operator: CDC
Instrument ID: HP5973F
Vol. Injected: 1.0000
ALS Bottle#: 5
Lims Batch ID: 58567
Lims Sample ID: 10
Detector: MS SCAN

Method: \\Bufchrom\ChromData\HP5973F\20120406-10799.b\F-8260 SOIL.m
Last Update: 09-Apr-2012 11:48:11
Calib Date: 09-Mar-2012 18:10:30
Quant Method: Internal Standard
Quant By: Initial Calibration
Last ICal File: \\Bufchrom\ChromData\HP5973F\20120309-10095.b\F7259.D
Limit Group: MV - 8260B ICAL
Integrator: RTE
ID Type: Deconvolution ID
Process Host: CORP-CTX-16

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/kg	Flags
* 1 1,4-Difluorobenzene	114	5.714	5.714	0.0	93	471652	50.0	
* 2 Chlorobenzene-d5	82	8.494	8.494	0.0	81	200800	50.0	
* 3 1,4-Dichlorobenzene-d4	152	10.794	10.800	-0.006	93	219811	50.0	
$ 4 1,2-Dichloroethane-d4 (Surr)	67	5.404	5.410	-0.006	99	72458	50.5	
$ 5 Toluene-d8 (Surr)	98	7.040	7.040	0.0	91	494430	52.1	
$ 6 4-Bromofluorobenzene (Surr)	174	9.705	9.705	0.0	89	155231	49.2	
10 Dichlorodifluoromethane	85		2.064					
12 Chloromethane	50		2.216					
13 Vinyl chloride	62		2.332					
14 Bromomethane	94		2.636					
15 Chloroethane	64		2.709					
17 Trichlorofluoromethane	101		2.934					
21 1,1,2-Trichloro-1,2,2-trifluoroe	101		3.311					
22 1,1-Dichloroethene	96		3.341					
23 Acetone	43		3.390					
26 Carbon disulfide	76		3.567					
27 Methyl acetate	43		3.615					
30 Methylene Chloride	84		3.737					
32 Methyl tert-butyl ether	73		3.895					
34 trans-1,2-Dichloroethene	96		3.932					
39 1,1-Dichloroethane	63		4.272					
43 2-Butanone (MEK)	43		4.716					
45 cis-1,2-Dichloroethene	96		4.729					
50 Chloroform	83		4.972					
51 1,1,1-Trichloroethane	97		5.124					
52 Cyclohexane	56		5.154					
55 Carbon tetrachloride	117		5.252					
57 Benzene	78		5.434					
58 1,2-Dichloroethane	62		5.471					
62 Trichloroethene	95		5.957					
64 Methylcyclohexane	83		6.097					
65 1,2-Dichloropropane	63		6.182					
68 Dichlorobromomethane	83		6.426					

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/kg	Flags
72 cis-1,3-Dichloropropene	75		6.809					
73 4-Methyl-2-pentanone (MIBK)	43		6.906					
74 Toluene	92		7.107					
77 trans-1,3-Dichloropropene	75		7.326					
79 1,1,2-Trichloroethane	83		7.527					
81 Tetrachloroethene	166		7.630					
80 2-Hexanone	43		7.697					
83 Chlorodibromomethane	129		7.941					
84 Ethylene Dibromide	107		8.074					
87 Chlorobenzene	112		8.525					
88 Ethylbenzene	91		8.585					
90 m-Xylene & p-Xylene	106	8.695	8.701	-0.006	52	5584	1.08	
91 o-Xylene	106		9.133					
92 Styrene	104		9.157					
95 Bromoform	173		9.431					
94 Isopropylbenzene	105		9.492					
97 1,1,2,2-Tetrachloroethane	83		9.857					
111 1,3-Dichlorobenzene	146		10.739					
113 1,4-Dichlorobenzene	146		10.818					
116 1,2-Dichlorobenzene	146		11.159					
117 1,2-Dibromo-3-Chloropropane	75		11.834					
119 1,2,4-Trichlorobenzene	180		12.491					
S 124 Xylenes, Total	1				0		1.08	

TestAmerica Laboratories
Tentatively Identified Quantitation Report

Data File:	\\Bufchrom\ChromData\HP5973F\20120406-10799.b\F7886.D		
Lims ID:	480-18068-D-5-A	Client ID:	RB-04 (6"-12"
Inject. Date:	07-Apr-2012 01:15:30	Dil. Factor:	1.0000
Sample Type:	Client		
Sample ID:	480-18068-D-5-A		
Misc. Info.:	480-0010799-010 =480-0010799-010		
Operator:	CDC	Instrument ID:	HP5973F
Vol. Injected:	1.0000	ALS Bottle#:	5
Lims Batch ID:	58567	Lims Sample ID:	10
Detector:	MS SCAN		
Method:	\\Bufchrom\ChromData\HP5973F\20120406-10799.b\F-8260 SOIL.m		
Last Update:	09-Apr-2012 11:48:11	Calib Date:	09-Mar-2012 18:10:30
Tic RT Window:	1.500 -0.000	Response:	area
Quant By:	Nearest ISTD	Quant LOD:	10.00000
MS Library:	\\Bufchrom\ChromData\Database\NIST98.L		
Min. Match:	85		
Process Host:	CORP-CTX-16		

Calibrated Tentative Identified Compound Results

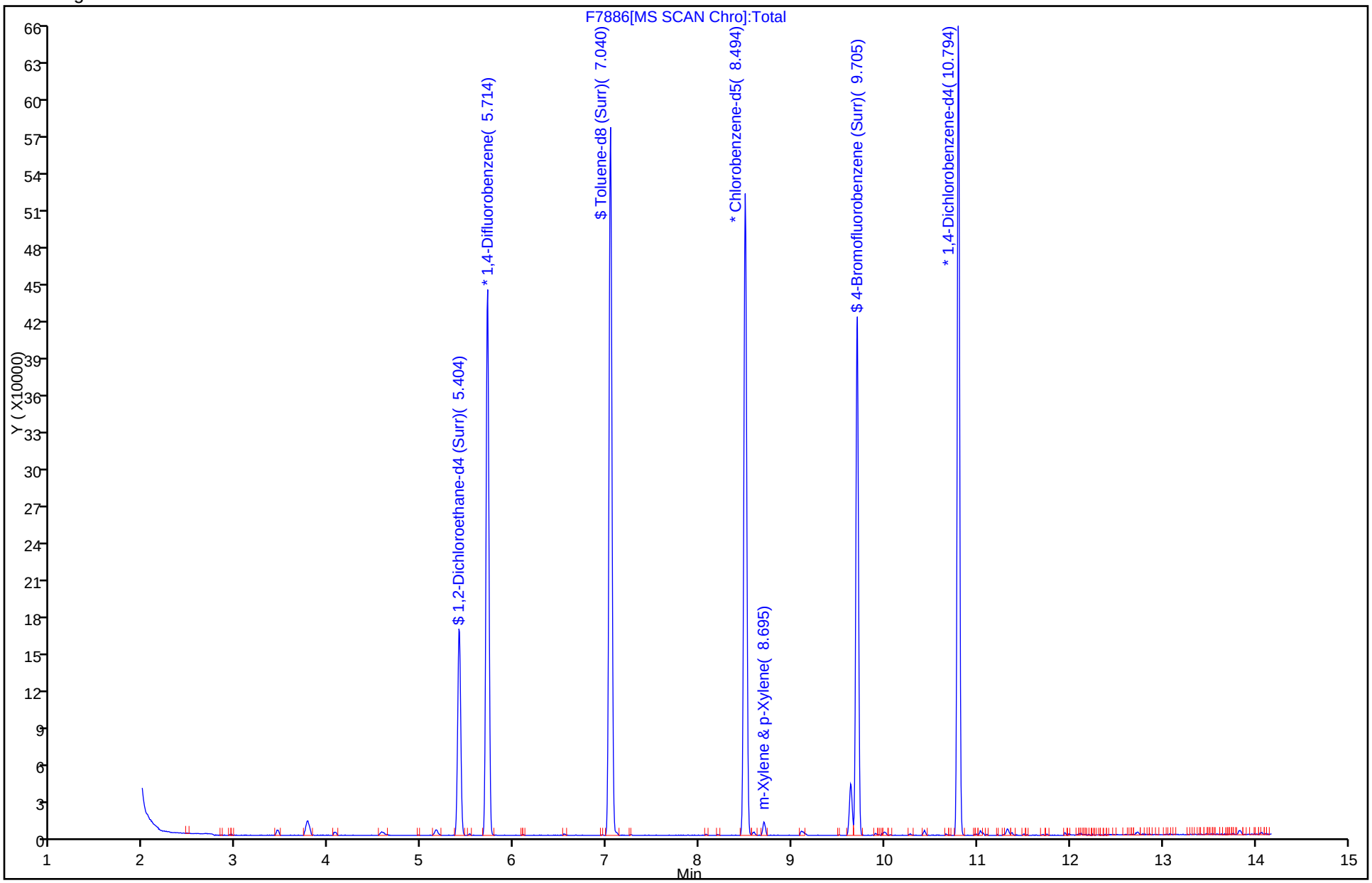
Compound	RT	Response	Amount ug/kg	Flags
Hexane	4.066	1955	0.4744	
1,2,4-Trimethylbenzene	10.429	4293	0.4205	

Report Date: 09-Apr-2012 11:48:25 Chrom Revision: 2.0 20-Feb-2012 13:27:02

Data File: \\Bufchrom\ChromData\HP5973F\20120406-10799.b\F7886.D

Injection Date:	07-Apr-2012 01:15:30	Limit Group:	MV - 8260B ICAL
Client ID:	RB-04 (6"-12"	Instrument ID:	HP5973F
Lims Batch ID:	58567	Lims Sample ID:	10
Operator ID:	CDC		
Column Type:	ZB-624	Column Dia:	0.25 mm

Y Scaling:

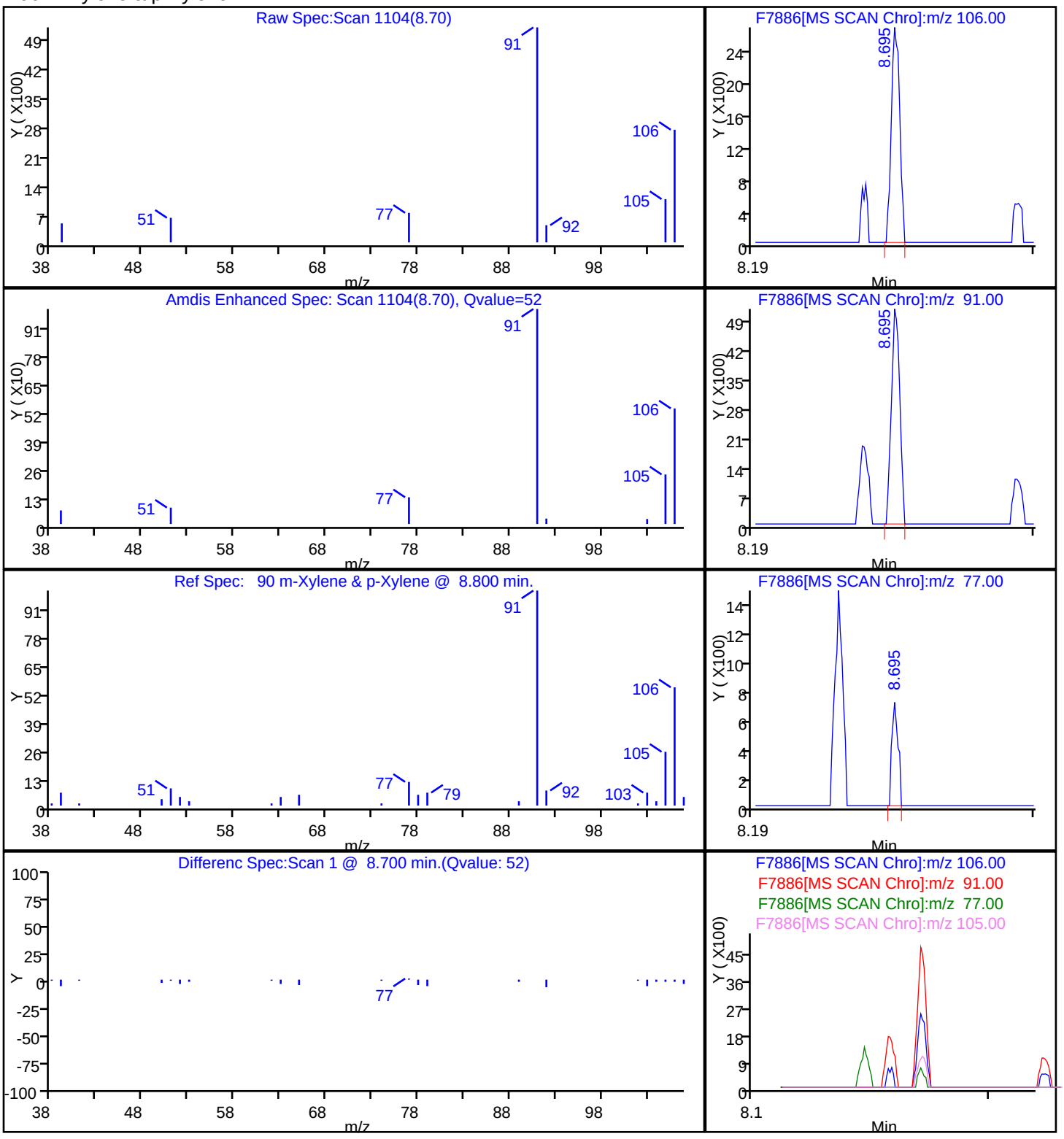


Report Date: 09-Apr-2012 11:48:25 Chrom Revision: 2.0 20-Feb-2012 13:27:02

Data File: \\Bufchrom\ChromData\HP5973F\20120406-10799.b\F7886.D

Injection Date:	07-Apr-2012 01:15:30	Limit Group:	MV - 8260B ICAL
Client ID:	RB-04 (6"-12"	Instrument ID:	HP5973F
Lims Batch ID:	58567	Lims Sample ID:	10
Operator ID:	CDC		
Column Type:	ZB-624	Column Dia:	0.25 mm

90 m-Xylene & p-Xylene



FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Buffalo | Job No.: 480-18068-1

SDG No.:

Client Sample ID: RB-04 (12"-24") | Lab Sample ID: 480-18068-6

Matrix: Solid | Lab File ID: F7887.D

Analysis Method: 8260B | Date Collected: 04/02/2012 14:35

Sample wt/vol: 6.02(g) | Date Analyzed: 04/07/2012 01:40

Soil Aliquot Vol: | Dilution Factor: 1

Soil Extract Vol.: | GC Column: ZB-624 (60) ID: 0.25(mm)

% Moisture: 26.2 | Level: (low/med) Low

Analysis Batch No.: 58567 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
71-55-6	1,1,1-Trichloroethane	ND		5.6	0.41
79-34-5	1,1,2,2-Tetrachloroethane	ND		5.6	0.91
79-00-5	1,1,2-Trichloroethane	ND		5.6	0.73
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	ND		5.6	1.3
75-34-3	1,1-Dichloroethane	ND		5.6	0.69
75-35-4	1,1-Dichloroethene	ND		5.6	0.69
120-82-1	1,2,4-Trichlorobenzene	ND		5.6	0.34
96-12-8	1,2-Dibromo-3-Chloropropane	ND		5.6	2.8
106-93-4	1,2-Dibromoethane	ND		5.6	0.72
95-50-1	1,2-Dichlorobenzene	ND		5.6	0.44
107-06-2	1,2-Dichloroethane	ND		5.6	0.28
78-87-5	1,2-Dichloropropane	ND		5.6	2.8
541-73-1	1,3-Dichlorobenzene	ND		5.6	0.29
106-46-7	1,4-Dichlorobenzene	ND		5.6	0.79
591-78-6	2-Hexanone	ND		28	2.8
78-93-3	2-Butanone (MEK)	ND		28	2.1
108-10-1	4-Methyl-2-pentanone (MIBK)	ND		28	1.8
67-64-1	Acetone	ND		28	4.7
71-43-2	Benzene	ND		5.6	0.28
75-27-4	Bromodichloromethane	ND		5.6	0.75
75-25-2	Bromoform	ND		5.6	2.8
74-83-9	Bromomethane	ND		5.6	0.51
75-15-0	Carbon disulfide	ND		5.6	2.8
56-23-5	Carbon tetrachloride	ND		5.6	0.54
108-90-7	Chlorobenzene	ND		5.6	0.74
124-48-1	Dibromochloromethane	ND		5.6	0.72
75-00-3	Chloroethane	ND		5.6	1.3
67-66-3	Chloroform	ND		5.6	0.35
74-87-3	Chloromethane	ND		5.6	0.34
156-59-2	cis-1,2-Dichloroethene	ND		5.6	0.72
10061-01-5	cis-1,3-Dichloropropene	ND		5.6	0.81
110-82-7	Cyclohexane	ND		5.6	0.79
75-71-8	Dichlorodifluoromethane	ND		5.6	0.46
100-41-4	Ethylbenzene	ND		5.6	0.39
98-82-8	Isopropylbenzene	ND		5.6	0.85

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Buffalo | Job No.: 480-18068-1

SDG No.:

Client Sample ID: RB-04 (12"-24") | Lab Sample ID: 480-18068-6

Matrix: Solid | Lab File ID: F7887.D

Analysis Method: 8260B | Date Collected: 04/02/2012 14:35

Sample wt/vol: 6.02(g) | Date Analyzed: 04/07/2012 01:40

Soil Aliquot Vol: | Dilution Factor: 1

Soil Extract Vol.: | GC Column: ZB-624 (60) ID: 0.25(mm)

% Moisture: 26.2 | Level: (low/med) Low

Analysis Batch No.: 58567 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
79-20-9	Methyl acetate	ND		5.6	1.0
1634-04-4	Methyl tert-butyl ether	ND		5.6	0.55
108-87-2	Methylcyclohexane	ND		5.6	0.85
75-09-2	Methylene Chloride	ND		5.6	2.6
100-42-5	Styrene	ND		5.6	0.28
127-18-4	Tetrachloroethene	ND		5.6	0.75
108-88-3	Toluene	ND		5.6	0.43
156-60-5	trans-1,2-Dichloroethene	ND		5.6	0.58
10061-02-6	trans-1,3-Dichloropropene	ND		5.6	2.5
79-01-6	Trichloroethene	ND		5.6	1.2
75-69-4	Trichlorofluoromethane	ND		5.6	0.53
75-01-4	Vinyl chloride	ND		5.6	0.69
1330-20-7	Xylenes, Total	0.97	J B	11	0.94

CAS NO.	SURROGATE	%REC	Q	LIMITS
17060-07-0	1,2-Dichloroethane-d4 (Surr)	98		64-126
2037-26-5	Toluene-d8 (Surr)	103		71-125
460-00-4	4-Bromofluorobenzene (Surr)	97		72-126

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

Lab Name: TestAmerica Buffalo | Job No.: 480-18068-1

SDG No.:

Client Sample ID: RB-04 (12"-24") | Lab Sample ID: 480-18068-6

Matrix: Solid | Lab File ID: F7887.D

Analysis Method: 8260B | Date Collected: 04/02/2012 14:35

Sample wt/vol: 6.02(g) | Date Analyzed: 04/07/2012 01:40

Soil Aliquot Vol: | Dilution Factor: 1

Soil Extract Vol.: | GC Column: ZB-624 (60) ID: 0.25(mm)

% Moisture: 26.2 | Level: (low/med) Low

Analysis Batch No.: 58567 | Units: ug/Kg

Number TICs Found: 1 | TIC Result Total: 20

CAS NO.	COMPOUND NAME	RT	RESULT	Q
287-92-3	Cyclopentane	3.77	20	T J N

TestAmerica Laboratories
Target Compound Quantitation Report

Data File:	\\Bufchrom\ChromData\HP5973F\20120406-10799.b\F7887.D		
Lims ID:	480-18068-D-6-A	Client ID:	RB-04 (12"-24")
Inject. Date:	07-Apr-2012 01:40:30	Dil. Factor:	1.0000
Sample Type:	Client		
Sample ID:	480-18068-D-6-A		
Misc. Info.:	480-0010799-011 =480-0010799-011		
Operator:	CDC	Instrument ID:	HP5973F
Vol. Injected:	1.0000	ALS Bottle#:	6
Lims Batch ID:	58567	Lims Sample ID:	11
Detector:	MS SCAN		
Method:	\\Bufchrom\ChromData\HP5973F\20120406-10799.b\F-8260 SOIL.m		
Last Update:	09-Apr-2012 11:48:11	Calib Date:	09-Mar-2012 18:10:30
Quant Method:	Internal Standard	Quant By:	Initial Calibration
Last ICal File:	\\Bufchrom\ChromData\HP5973F\20120309-10095.b\F7259.D		
Limit Group:	MV - 8260B ICAL		
Integrator:	RTE	ID Type:	Deconvolution ID
Process Host:	CORP-CTX-16		
First Level Reviewer: ByrnesJ		Date:	09-Apr-2012 11:20:13

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/kg	Flags
* 1 1,4-Difluorobenzene	114	5.708	5.714	-0.006	93	479847	50.0	
* 2 Chlorobenzene-d5	82	8.494	8.494	0.0	82	205033	50.0	
* 3 1,4-Dichlorobenzene-d4	152	10.800	10.800	0.0	93	223595	50.0	
$ 4 1,2-Dichloroethane-d4 (Surr)	67	5.404	5.410	-0.006	97	71354	48.9	
$ 5 Toluene-d8 (Surr)	98	7.040	7.040	0.0	91	500729	51.7	
$ 6 4-Bromofluorobenzene (Surr)	174	9.705	9.705	0.0	89	157057	48.7	
10 Dichlorodifluoromethane	85		2.064					
12 Chloromethane	50		2.216					
13 Vinyl chloride	62		2.332					
14 Bromomethane	94		2.636					
15 Chloroethane	64		2.709					
17 Trichlorofluoromethane	101		2.934					
21 1,1,2-Trichloro-1,2,2-trifluoroe	101		3.311					
22 1,1-Dichloroethene	96		3.341					
23 Acetone	43		3.390					
26 Carbon disulfide	76		3.567					
27 Methyl acetate	43		3.615					
30 Methylene Chloride	84		3.737					
32 Methyl tert-butyl ether	73		3.895					
34 trans-1,2-Dichloroethene	96		3.932					
39 1,1-Dichloroethane	63		4.272					
43 2-Butanone (MEK)	43		4.716					
45 cis-1,2-Dichloroethene	96		4.729					
50 Chloroform	83		4.972					
51 1,1,1-Trichloroethane	97		5.124					
52 Cyclohexane	56		5.154					
55 Carbon tetrachloride	117		5.252					
57 Benzene	78		5.434					
58 1,2-Dichloroethane	62		5.471					
62 Trichloroethene	95		5.957					
64 Methylcyclohexane	83		6.097					

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/kg	Flags
65 1,2-Dichloropropane	63		6.182					
68 Dichlorobromomethane	83		6.426					
72 cis-1,3-Dichloropropene	75		6.809					
73 4-Methyl-2-pentanone (MIBK)	43		6.906					
74 Toluene	92		7.107					
77 trans-1,3-Dichloropropene	75		7.326					
79 1,1,2-Trichloroethane	83		7.527					
81 Tetrachloroethene	166		7.630					
80 2-Hexanone	43		7.697					
83 Chlorodibromomethane	129		7.941					
84 Ethylene Dibromide	107		8.074					
87 Chlorobenzene	112		8.525					
88 Ethylbenzene	91		8.585					
90 m-Xylene & p-Xylene	106	8.701	8.701	0.0	43	4551	0.8653	
91 o-Xylene	106		9.133					
92 Styrene	104		9.157					
95 Bromoform	173		9.431					
94 Isopropylbenzene	105		9.492					
97 1,1,2,2-Tetrachloroethane	83		9.857					
111 1,3-Dichlorobenzene	146		10.739					
113 1,4-Dichlorobenzene	146		10.818					
116 1,2-Dichlorobenzene	146		11.159					
117 1,2-Dibromo-3-Chloropropane	75		11.834					
119 1,2,4-Trichlorobenzene	180		12.491					
S 124 Xylenes, Total	1				0		0.8653	

TestAmerica Laboratories
Tentatively Identified Quantitation Report

Data File:	\\Bufchrom\ChromData\HP5973F\20120406-10799.b\F7887.D		
Lims ID:	480-18068-D-6-A	Client ID:	RB-04 (12"-24")
Inject. Date:	07-Apr-2012 01:40:30	Dil. Factor:	1.0000
Sample Type:	Client		
Sample ID:	480-18068-D-6-A		
Misc. Info.:	480-0010799-011 =480-0010799-011		
Operator:	CDC	Instrument ID:	HP5973F
Vol. Injected:	1.0000	ALS Bottle#:	6
Lims Batch ID:	58567	Lims Sample ID:	11
Detector:	MS SCAN		
Method:	\\Bufchrom\ChromData\HP5973F\20120406-10799.b\F-8260 SOIL.m		
Last Update:	09-Apr-2012 11:48:11	Calib Date:	09-Mar-2012 18:10:30
Tic RT Window:	1.500 -0.000	Response:	area
Quant By:	Nearest ISTD	Quant LOD:	10.00000
MS Library:	\\Bufchrom\ChromData\Database\NIST98.L		
Min. Match:	85		
Process Host:	CORP-CTX-16		
First Level Reviewer: ByrnesJ		Date:	09-Apr-2012 11:20:13

Calibrated Tentative Identified Compound Results

Compound	RT	Response	Amount ug/kg	Flags
Hexane	4.065	3995	0.9530	

Tentative Identified Compound Results

RT	Response	Amount ug/kg	Quant Cpnd	Qual	Lib Entry	Flags
	287-92-3	Cyclopentane				
3.767	359016	18.1	1	90	109034	

Quantitation Compounds

Compound	RT	Response	Amount ug/kg
* 1 1,4-Difluorobenzene	5.708	994470	50.0

QC Flag Legend

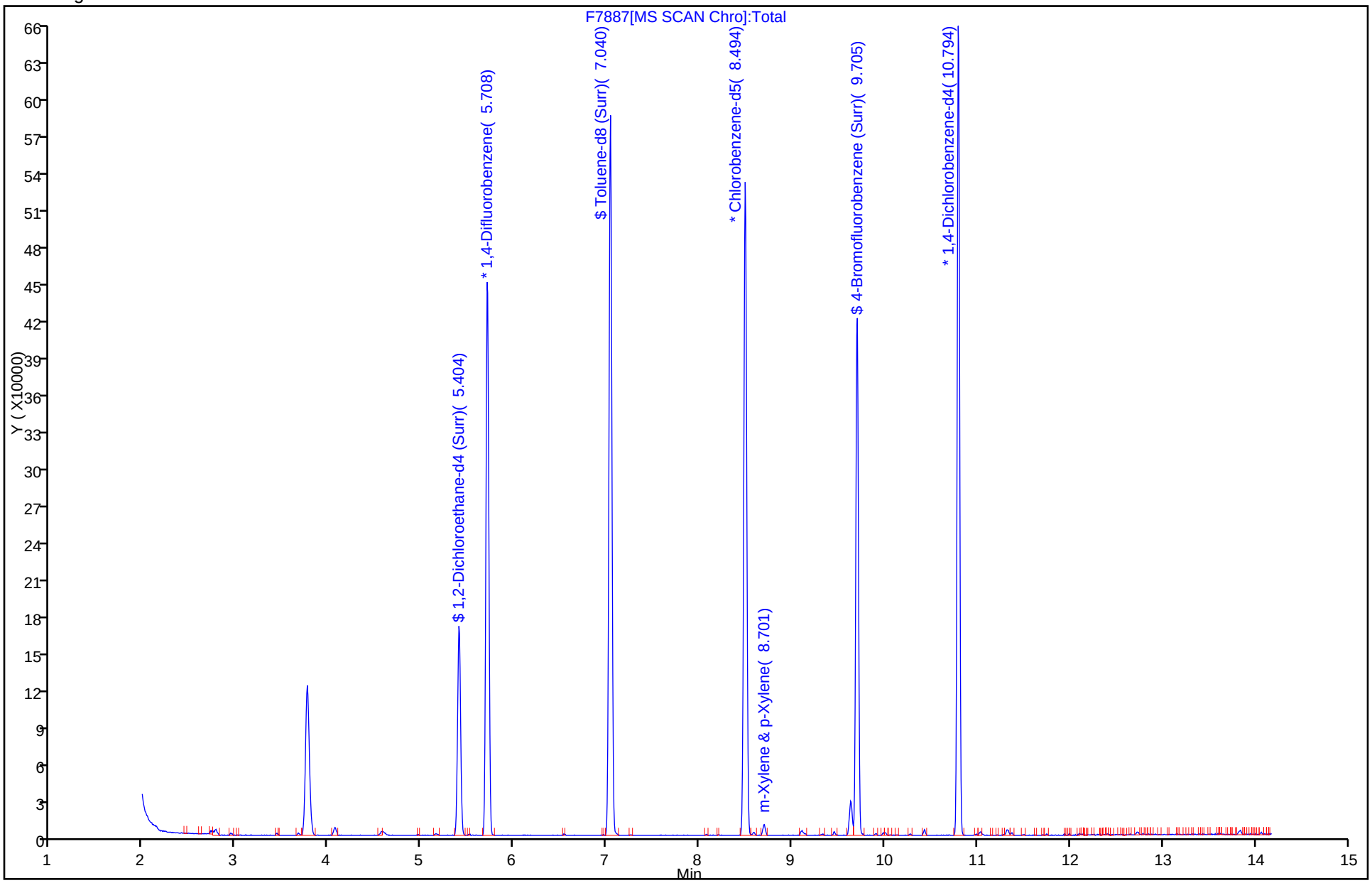
Processing Flags

Report Date: 09-Apr-2012 11:48:24 Chrom Revision: 2.0 20-Feb-2012 13:27:02

Data File: \\Bufchrom\ChromData\HP5973F\20120406-10799.b\F7887.D

Injection Date:	07-Apr-2012 01:40:30	Limit Group:	MV - 8260B ICAL
Client ID:	RB-04 (12"-24")	Instrument ID:	HP5973F
Lims Batch ID:	58567	Lims Sample ID:	11
Operator ID:	CDC		
Column Type:	ZB-624	Column Dia:	0.25 mm

Y Scaling:

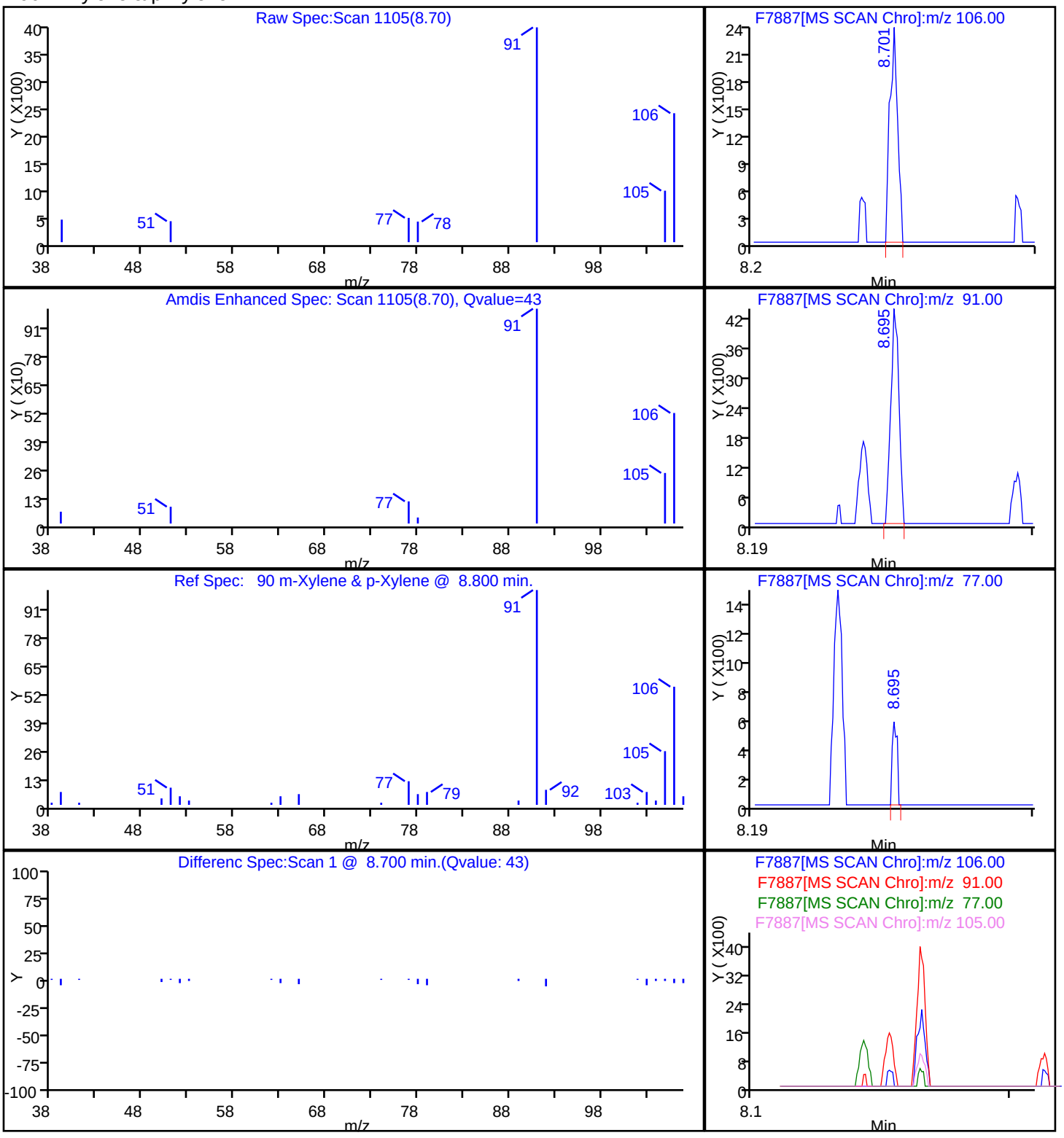


Report Date: 09-Apr-2012 11:48:24 Chrom Revision: 2.0 20-Feb-2012 13:27:02

Data File: \\Bufchrom\ChromData\HP5973F\20120406-10799.b\F7887.D

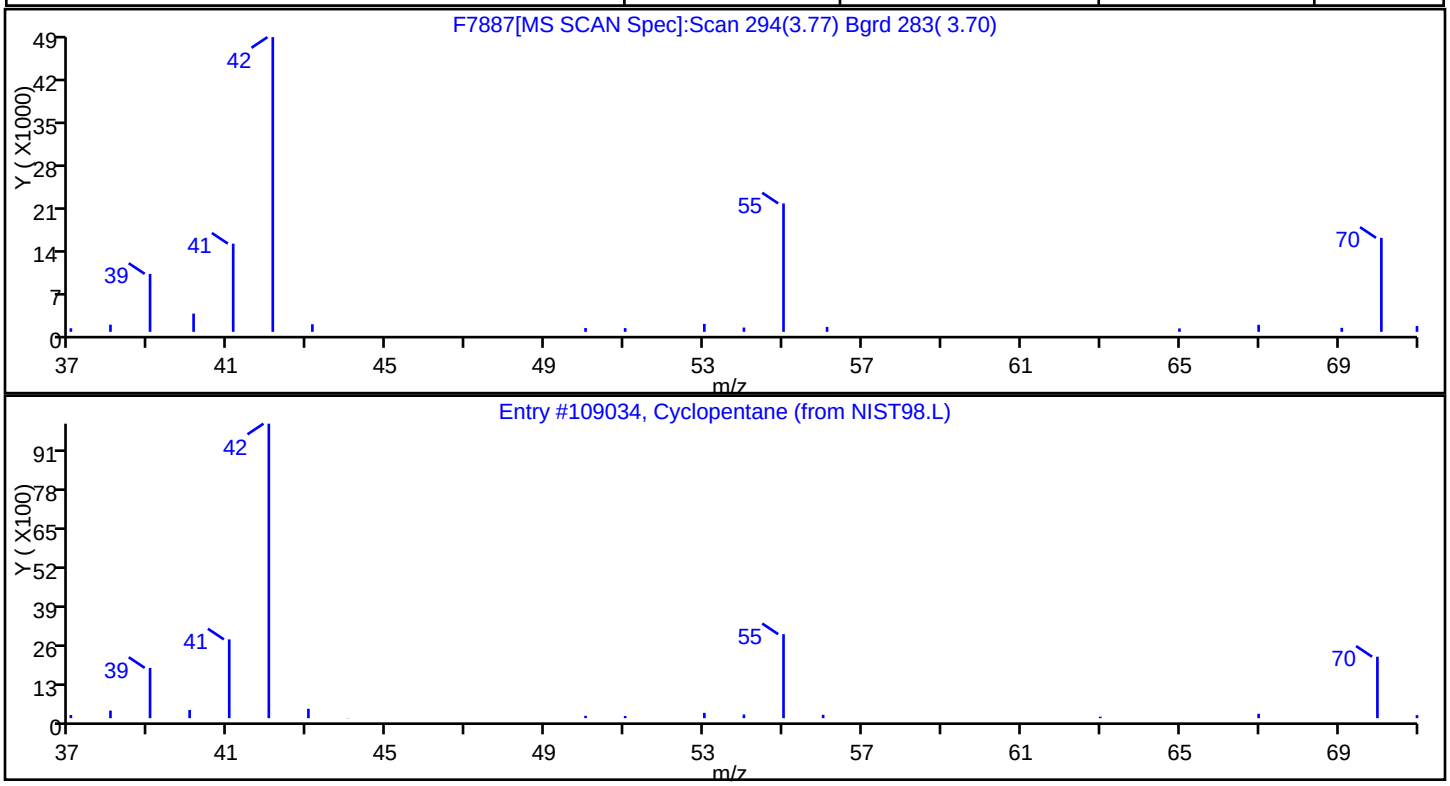
Injection Date:	07-Apr-2012 01:40:30	Limit Group:	MV - 8260B ICAL
Client ID:	RB-04 (12"-24")	Instrument ID:	HP5973F
Lims Batch ID:	58567	Lims Sample ID:	11
Operator ID:	CDC		
Column Type:	ZB-624	Column Dia:	0.25 mm

90 m-Xylene & p-Xylene



Report Date: 09-Apr-2012 11:48:24 Chrom Revision: 2.0 20-Feb-2012 13:27:02
Data File: \\Bufchrom\ChromData\HP5973F\20120406-10799.b\F7887.D
Injection Date: 07-Apr-2012 01:40:30 Limit Group: MV - 8260B ICAL
Client ID: RB-04 (12"-24") Instrument ID: HP5973F
Lims Batch ID: 58567 Lims Sample ID: 11
Operator ID: CDC
Column Type: ZB-624 Column Dia: 0.25 mm

Library Search Compound Match	CAS Number	Library	Entry	Quality
Cyclopentane	287-92-3	NIST98.L	109034	90



FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Buffalo | Job No.: 480-18068-1

SDG No.:

Client Sample ID: RB-05 (0-6") | Lab Sample ID: 480-18068-7

Matrix: Solid | Lab File ID: F7888.D

Analysis Method: 8260B | Date Collected: 04/02/2012 14:55

Sample wt/vol: 4.89(g) | Date Analyzed: 04/07/2012 02:05

Soil Aliquot Vol: | Dilution Factor: 1

Soil Extract Vol.: | GC Column: ZB-624 (60) ID: 0.25(mm)

% Moisture: 21.7 | Level: (low/med) Low

Analysis Batch No.: 58567 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
71-55-6	1,1,1-Trichloroethane	ND		6.5	0.47
79-34-5	1,1,2,2-Tetrachloroethane	ND		6.5	1.1
79-00-5	1,1,2-Trichloroethane	ND		6.5	0.85
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	ND		6.5	1.5
75-34-3	1,1-Dichloroethane	ND		6.5	0.80
75-35-4	1,1-Dichloroethene	ND		6.5	0.80
120-82-1	1,2,4-Trichlorobenzene	ND		6.5	0.40
96-12-8	1,2-Dibromo-3-Chloropropane	ND		6.5	3.3
106-93-4	1,2-Dibromoethane	ND		6.5	0.84
95-50-1	1,2-Dichlorobenzene	ND		6.5	0.51
107-06-2	1,2-Dichloroethane	ND		6.5	0.33
78-87-5	1,2-Dichloropropane	ND		6.5	3.3
541-73-1	1,3-Dichlorobenzene	ND		6.5	0.34
106-46-7	1,4-Dichlorobenzene	ND		6.5	0.91
591-78-6	2-Hexanone	ND		33	3.3
78-93-3	2-Butanone (MEK)	ND		33	2.4
108-10-1	4-Methyl-2-pentanone (MIBK)	ND		33	2.1
67-64-1	Acetone	ND		33	5.5
71-43-2	Benzene	ND		6.5	0.32
75-27-4	Bromodichloromethane	ND		6.5	0.88
75-25-2	Bromoform	ND		6.5	3.3
74-83-9	Bromomethane	ND		6.5	0.59
75-15-0	Carbon disulfide	ND		6.5	3.3
56-23-5	Carbon tetrachloride	ND		6.5	0.63
108-90-7	Chlorobenzene	ND		6.5	0.86
124-48-1	Dibromochloromethane	ND		6.5	0.84
75-00-3	Chloroethane	ND		6.5	1.5
67-66-3	Chloroform	ND		6.5	0.40
74-87-3	Chloromethane	ND		6.5	0.39
156-59-2	cis-1,2-Dichloroethene	ND		6.5	0.84
10061-01-5	cis-1,3-Dichloropropene	ND		6.5	0.94
110-82-7	Cyclohexane	ND		6.5	0.91
75-71-8	Dichlorodifluoromethane	ND		6.5	0.54
100-41-4	Ethylbenzene	ND		6.5	0.45
98-82-8	Isopropylbenzene	ND		6.5	0.99

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Buffalo | Job No.: 480-18068-1

SDG No.:

Client Sample ID: RB-05 (0-6") | Lab Sample ID: 480-18068-7

Matrix: Solid | Lab File ID: F7888.D

Analysis Method: 8260B | Date Collected: 04/02/2012 14:55

Sample wt/vol: 4.89(g) | Date Analyzed: 04/07/2012 02:05

Soil Aliquot Vol: | Dilution Factor: 1

Soil Extract Vol.: | GC Column: ZB-624 (60) ID: 0.25(mm)

% Moisture: 21.7 | Level: (low/med) Low

Analysis Batch No.: 58567 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
79-20-9	Methyl acetate	ND		6.5	1.2
1634-04-4	Methyl tert-butyl ether	ND		6.5	0.64
108-87-2	Methylcyclohexane	ND		6.5	0.99
75-09-2	Methylene Chloride	ND		6.5	3.0
100-42-5	Styrene	ND		6.5	0.33
127-18-4	Tetrachloroethene	ND		6.5	0.88
108-88-3	Toluene	ND		6.5	0.49
156-60-5	trans-1,2-Dichloroethene	ND		6.5	0.67
10061-02-6	trans-1,3-Dichloropropene	ND		6.5	2.9
79-01-6	Trichloroethene	5.1	J	6.5	1.4
75-69-4	Trichlorofluoromethane	ND		6.5	0.62
75-01-4	Vinyl chloride	ND		6.5	0.80
1330-20-7	Xylenes, Total	1.5	J B	13	1.1

CAS NO.	SURROGATE	%REC	Q	LIMITS
17060-07-0	1,2-Dichloroethane-d4 (Surr)	102		64-126
2037-26-5	Toluene-d8 (Surr)	107		71-125
460-00-4	4-Bromofluorobenzene (Surr)	99		72-126

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

Lab Name: TestAmerica Buffalo | Job No.: 480-18068-1

SDG No.:

Client Sample ID: RB-05 (0-6") | Lab Sample ID: 480-18068-7

Matrix: Solid | Lab File ID: F7888.D

Analysis Method: 8260B | Date Collected: 04/02/2012 14:55

Sample wt/vol: 4.89(g) | Date Analyzed: 04/07/2012 02:05

Soil Aliquot Vol: | Dilution Factor: 1

Soil Extract Vol.: | GC Column: ZB-624 (60) ID: 0.25(mm)

% Moisture: 21.7 | Level: (low/med) Low

Analysis Batch No.: 58567 | Units: ug/Kg

Number TICs Found: 1 | TIC Result Total: 8.2

CAS NO.	COMPOUND NAME	RT	RESULT	Q
556-67-2	Cyclotetrasiloxane, octamethyl-	9.64	8.2	T J N

TestAmerica Laboratories
Target Compound Quantitation Report

Data File: \\Bufchrom\ChromData\HP5973F\20120406-10799.b\F7888.D
Lims ID: 480-18068-D-7-A Client ID: RB-05 (0-6")
Inject. Date: 07-Apr-2012 02:05:30 Dil. Factor: 1.0000
Sample Type: Client
Sample ID: 480-18068-D-7-A
Misc. Info.: 480-0010799-012 =480-0010799-012
Operator: CDC Instrument ID: HP5973F
Vol. Injected: 1.0000 ALS Bottle#: 7
Lims Batch ID: 58567 Lims Sample ID: 12
Detector: MS SCAN

Method: \\Bufchrom\ChromData\HP5973F\20120406-10799.b\F-8260 SOIL.m
Last Update: 09-Apr-2012 11:48:11 Calib Date: 09-Mar-2012 18:10:30
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\Bufchrom\ChromData\HP5973F\20120309-10095.b\F7259.D
Limit Group: MV - 8260B ICAL
Integrator: RTE ID Type: Deconvolution ID
Process Host: CORP-CTX-16

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/kg	Flags
* 1 1,4-Difluorobenzene	114	5.714	5.714	0.0	93	463132	50.0	
* 2 Chlorobenzene-d5	82	8.494	8.494	0.0	81	193893	50.0	
* 3 1,4-Dichlorobenzene-d4	152	10.794	10.800	-0.006	93	207085	50.0	
$ 4 1,2-Dichloroethane-d4 (Surr)	67	5.404	5.410	-0.006	98	71500	50.8	
$ 5 Toluene-d8 (Surr)	98	7.040	7.040	0.0	91	488310	53.3	
$ 6 4-Bromofluorobenzene (Surr)	174	9.705	9.705	0.0	88	151256	49.6	
10 Dichlorodifluoromethane	85		2.064					
12 Chloromethane	50		2.216					
13 Vinyl chloride	62		2.332					
14 Bromomethane	94		2.636					
15 Chloroethane	64		2.709					
17 Trichlorofluoromethane	101		2.934					
21 1,1,2-Trichloro-1,2,2-trifluoroe	101		3.311					
22 1,1-Dichloroethene	96		3.341					
23 Acetone	43		3.390					
26 Carbon disulfide	76		3.567					
27 Methyl acetate	43		3.615					
30 Methylene Chloride	84		3.737					
32 Methyl tert-butyl ether	73		3.895					
34 trans-1,2-Dichloroethene	96		3.932					
39 1,1-Dichloroethane	63		4.272					
43 2-Butanone (MEK)	43		4.716					
45 cis-1,2-Dichloroethene	96		4.729					
50 Chloroform	83		4.972					
51 1,1,1-Trichloroethane	97		5.124					
52 Cyclohexane	56		5.154					
55 Carbon tetrachloride	117		5.252					
57 Benzene	78		5.434					
58 1,2-Dichloroethane	62		5.471					
62 Trichloroethene	95	5.958	5.957	0.001	71	10352	3.88	
64 Methylcyclohexane	83		6.097					
65 1,2-Dichloropropane	63		6.182					
68 Dichlorobromomethane	83		6.426					

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/kg	Flags
72 cis-1,3-Dichloropropene	75		6.809					
73 4-Methyl-2-pentanone (MIBK)	43		6.906					
74 Toluene	92		7.107					
77 trans-1,3-Dichloropropene	75		7.326					
79 1,1,2-Trichloroethane	83		7.527					
81 Tetrachloroethene	166		7.630					
80 2-Hexanone	43		7.697					
83 Chlorodibromomethane	129		7.941					
84 Ethylene Dibromide	107		8.074					
87 Chlorobenzene	112		8.525					
88 Ethylbenzene	91		8.585					
90 m-Xylene & p-Xylene	106	8.695	8.701	-0.006	64	5796	1.17	
91 o-Xylene	106		9.133					
92 Styrene	104		9.157					
95 Bromoform	173		9.431					
94 Isopropylbenzene	105		9.492					
97 1,1,2,2-Tetrachloroethane	83		9.857					
111 1,3-Dichlorobenzene	146		10.739					
113 1,4-Dichlorobenzene	146		10.818					
116 1,2-Dichlorobenzene	146		11.159					
117 1,2-Dibromo-3-Chloropropane	75		11.834					
119 1,2,4-Trichlorobenzene	180		12.491					
S 124 Xylenes, Total	1				0		1.17	

TestAmerica Laboratories
Tentatively Identified Quantitation Report

Data File:	\\Bufchrom\ChromData\HP5973F\20120406-10799.b\F7888.D		
Lims ID:	480-18068-D-7-A	Client ID:	RB-05 (0-6")
Inject. Date:	07-Apr-2012 02:05:30	Dil. Factor:	1.0000
Sample Type:	Client		
Sample ID:	480-18068-D-7-A		
Misc. Info.:	480-0010799-012 =480-0010799-012		
Operator:	CDC	Instrument ID:	HP5973F
Vol. Injected:	1.0000	ALS Bottle#:	7
Lims Batch ID:	58567	Lims Sample ID:	12
Detector:	MS SCAN		
Method:	\\Bufchrom\ChromData\HP5973F\20120406-10799.b\F-8260 SOIL.m		
Last Update:	09-Apr-2012 11:48:11	Calib Date:	09-Mar-2012 18:10:30
Tic RT Window:	1.500 -0.000	Response:	area
Quant By:	Nearest ISTD	Quant LOD:	10.00000
MS Library:	\\Bufchrom\ChromData\Database\NIST98.L		
Min. Match:	85		
Process Host:	CORP-CTX-16		

Calibrated Tentative Identified Compound Results

Compound	RT	Response	Amount ug/kg	Flags
Hexane	4.072	1624	0.4014	

Tentative Identified Compound Results

RT	Response	Amount ug/kg	Quant Cpnd	Qual	Lib Entry	Flags
	556-67-2	Cyclotetrasiloxane, octamethyl-				
9.638	139883	6.25	2	87	97367	

Quantitation Compounds

Compound	RT	Response	Amount ug/kg
* 2 Chlorobenzene-d5	8.494	1118737	50.0

QC Flag Legend

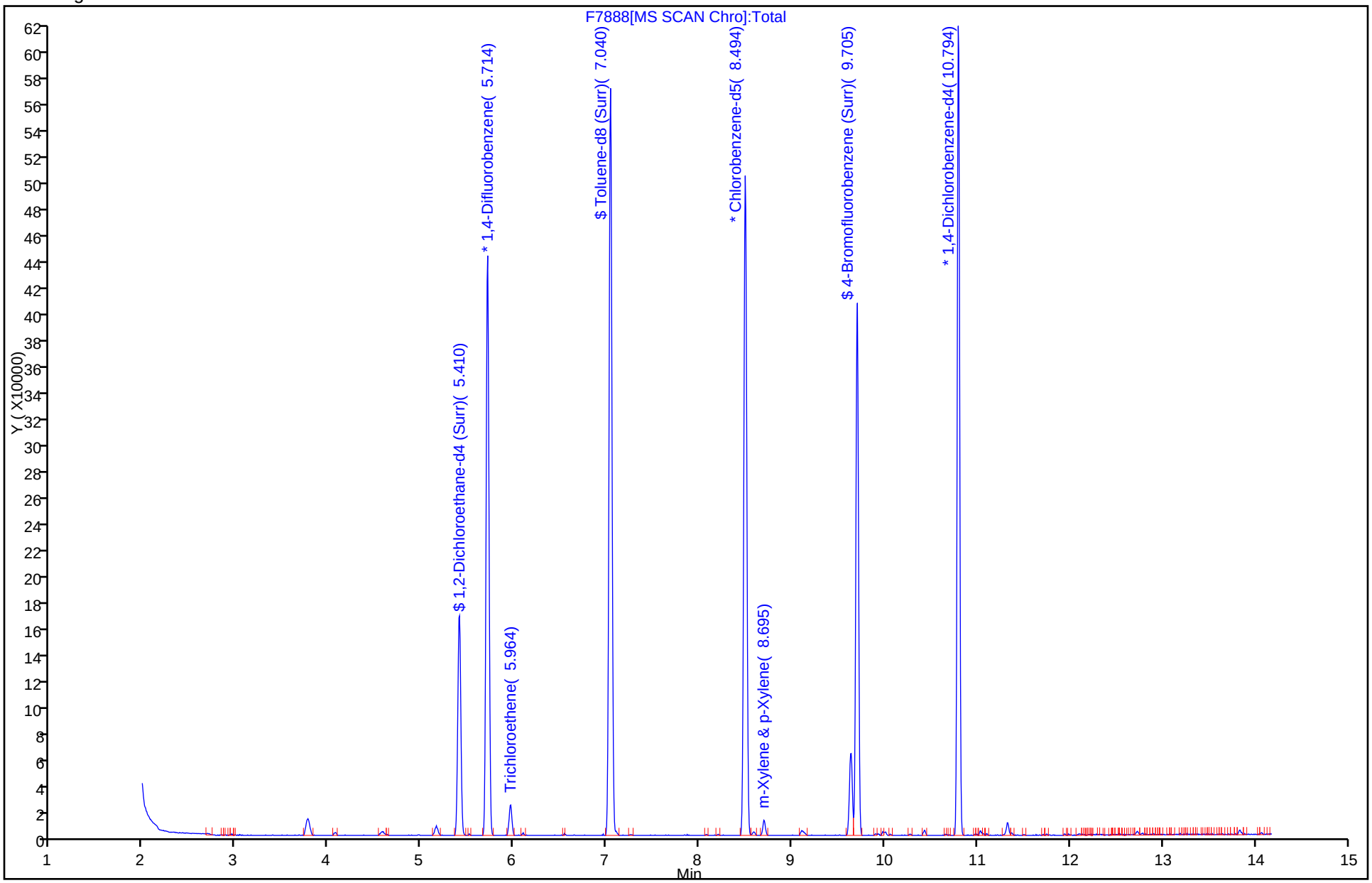
Processing Flags

Report Date: 09-Apr-2012 11:48:24 Chrom Revision: 2.0 20-Feb-2012 13:27:02

Data File: \\Bufchrom\ChromData\HP5973F\20120406-10799.b\F7888.D

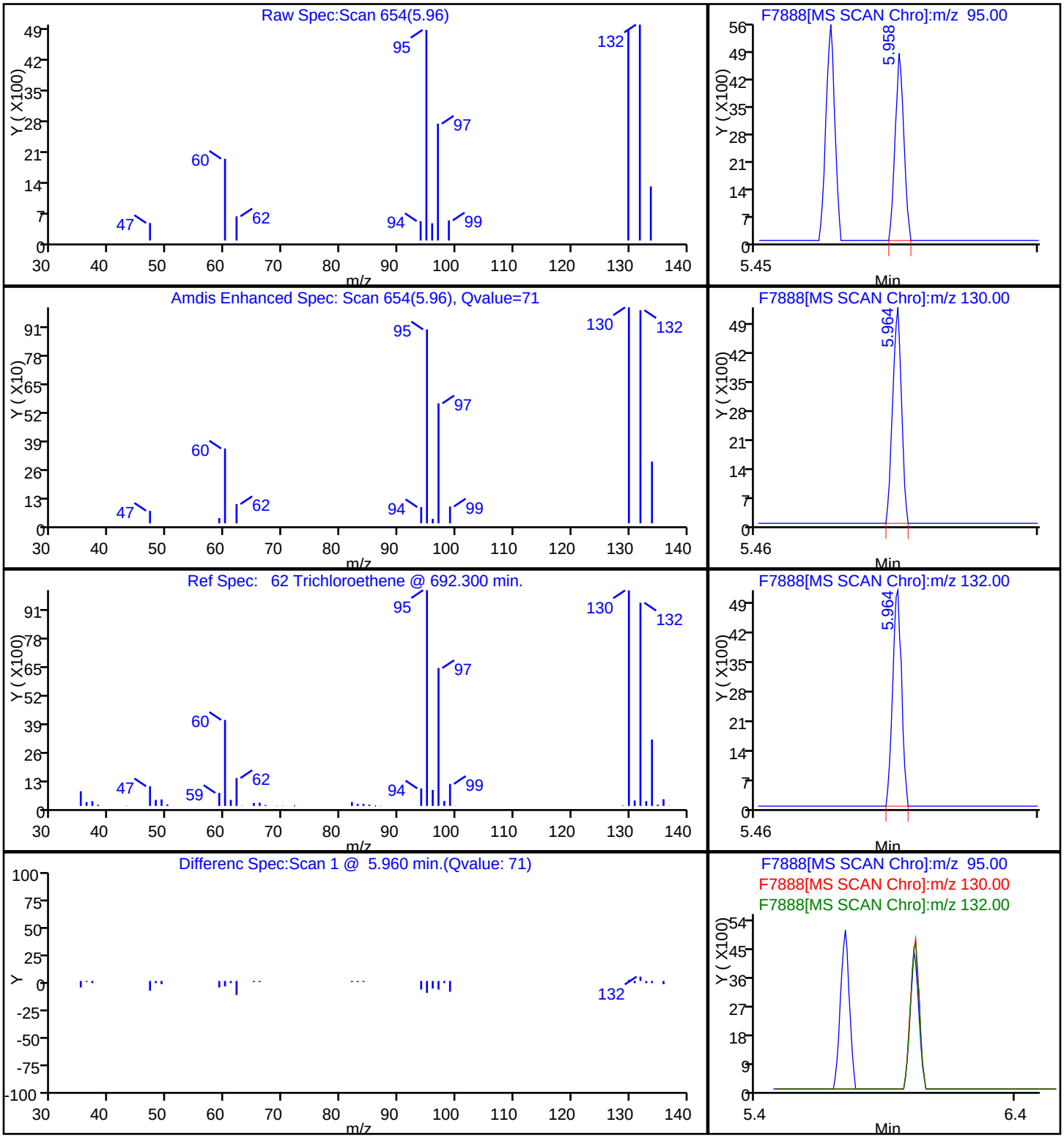
Injection Date:	07-Apr-2012 02:05:30	Limit Group:	MV - 8260B ICAL
Client ID:	RB-05 (0-6")	Instrument ID:	HP5973F
Lims Batch ID:	58567	Lims Sample ID:	12
Operator ID:	CDC		
Column Type:	ZB-624	Column Dia:	0.25 mm

Y Scaling:



Report Date: 09-Apr-2012 11:48:24 Chrom Revision: 2.0 20-Feb-2012 13:27:02
Data File: \\Bufchrom\ChromData\HP5973F\20120406-10799.b\F7888.D
Injection Date: 07-Apr-2012 02:05:30 Limit Group: MV - 8260B ICAL
Client ID: RB-05 (0-6") Instrument ID: HP5973F
Lims Batch ID: 58567 Lims Sample ID: 12
Operator ID: CDC
Column Type: ZB-624 Column Dia: 0.25 mm

62 Trichloroethene

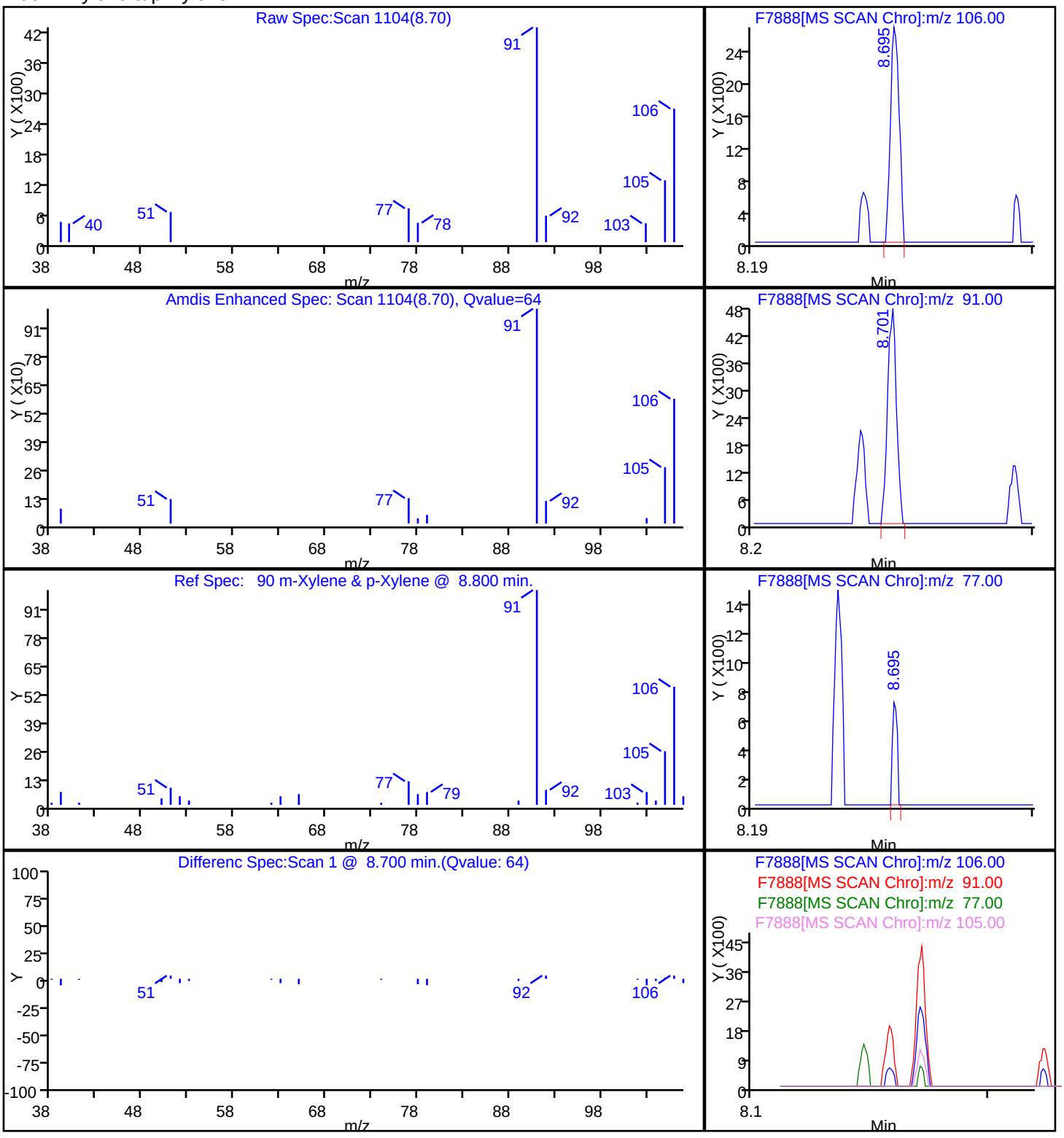


Report Date: 09-Apr-2012 11:48:24 Chrom Revision: 2.0 20-Feb-2012 13:27:02

Data File: \\Bufchrom\ChromData\HP5973F\20120406-10799.b\F7888.D

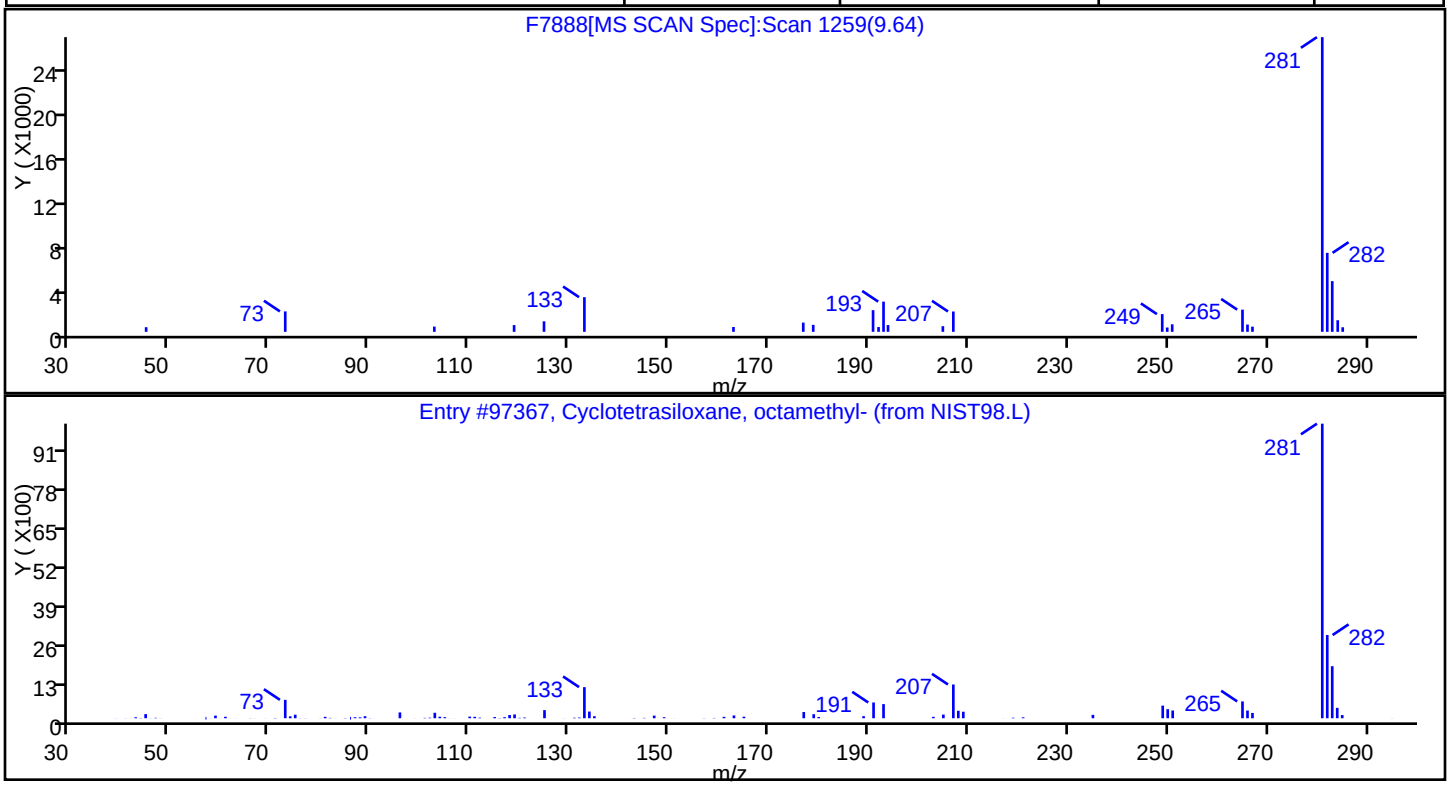
Injection Date:	07-Apr-2012 02:05:30	Limit Group:	MV - 8260B ICAL
Client ID:	RB-05 (0-6")	Instrument ID:	HP5973F
Lims Batch ID:	58567	Lims Sample ID:	12
Operator ID:	CDC		
Column Type:	ZB-624	Column Dia:	0.25 mm

90 m-Xylene & p-Xylene



Report Date: 09-Apr-2012 11:48:24 Chrom Revision: 2.0 20-Feb-2012 13:27:02
Data File: \\Bufchrom\ChromData\HP5973F\20120406-10799.b\F7888.D
Injection Date: 07-Apr-2012 02:05:30 Limit Group: MV - 8260B ICAL
Client ID: RB-05 (0-6") Instrument ID: HP5973F
Lims Batch ID: 58567 Lims Sample ID: 12
Operator ID: CDC
Column Type: ZB-624 Column Dia: 0.25 mm

Library Search Compound Match	CAS Number	Library	Entry	Quality
Cyclotetrasiloxane, octamethyl-	556-67-2	NIST98.L	97367	87



FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Buffalo | Job No.: 480-18068-1

SDG No.:

Client Sample ID: RB-05 (6"-12" | Lab Sample ID: 480-18068-8

Matrix: Solid | Lab File ID: F7889.D

Analysis Method: 8260B | Date Collected: 04/02/2012 15:10

Sample wt/vol: 4.9(g) | Date Analyzed: 04/07/2012 02:31

Soil Aliquot Vol: | Dilution Factor: 1

Soil Extract Vol.: | GC Column: ZB-624 (60) ID: 0.25(mm)

% Moisture: 12.7 | Level: (low/med) Low

Analysis Batch No.: 58567 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
71-55-6	1,1,1-Trichloroethane	ND		5.8	0.42
79-34-5	1,1,2,2-Tetrachloroethane	ND		5.8	0.95
79-00-5	1,1,2-Trichloroethane	ND		5.8	0.76
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	ND		5.8	1.3
75-34-3	1,1-Dichloroethane	ND		5.8	0.71
75-35-4	1,1-Dichloroethene	ND		5.8	0.72
120-82-1	1,2,4-Trichlorobenzene	ND		5.8	0.36
96-12-8	1,2-Dibromo-3-Chloropropane	ND		5.8	2.9
106-93-4	1,2-Dibromoethane	ND		5.8	0.75
95-50-1	1,2-Dichlorobenzene	ND		5.8	0.46
107-06-2	1,2-Dichloroethane	ND		5.8	0.29
78-87-5	1,2-Dichloropropane	ND		5.8	2.9
541-73-1	1,3-Dichlorobenzene	ND		5.8	0.30
106-46-7	1,4-Dichlorobenzene	ND		5.8	0.82
591-78-6	2-Hexanone	ND		29	2.9
78-93-3	2-Butanone (MEK)	ND		29	2.1
108-10-1	4-Methyl-2-pentanone (MIBK)	ND		29	1.9
67-64-1	Acetone	ND		29	4.9
71-43-2	Benzene	ND		5.8	0.29
75-27-4	Bromodichloromethane	ND		5.8	0.78
75-25-2	Bromoform	ND		5.8	2.9
74-83-9	Bromomethane	ND		5.8	0.53
75-15-0	Carbon disulfide	ND		5.8	2.9
56-23-5	Carbon tetrachloride	ND		5.8	0.57
108-90-7	Chlorobenzene	ND		5.8	0.77
124-48-1	Dibromochloromethane	ND		5.8	0.75
75-00-3	Chloroethane	ND		5.8	1.3
67-66-3	Chloroform	ND		5.8	0.36
74-87-3	Chloromethane	ND		5.8	0.35
156-59-2	cis-1,2-Dichloroethene	ND		5.8	0.75
10061-01-5	cis-1,3-Dichloropropene	ND		5.8	0.84
110-82-7	Cyclohexane	ND		5.8	0.82
75-71-8	Dichlorodifluoromethane	ND		5.8	0.48
100-41-4	Ethylbenzene	ND		5.8	0.40
98-82-8	Isopropylbenzene	ND		5.8	0.88

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Buffalo | Job No.: 480-18068-1

SDG No.:

Client Sample ID: RB-05 (6"-12" | Lab Sample ID: 480-18068-8

Matrix: Solid | Lab File ID: F7889.D

Analysis Method: 8260B | Date Collected: 04/02/2012 15:10

Sample wt/vol: 4.9(g) | Date Analyzed: 04/07/2012 02:31

Soil Aliquot Vol: | Dilution Factor: 1

Soil Extract Vol.: | GC Column: ZB-624 (60) ID: 0.25(mm)

% Moisture: 12.7 | Level: (low/med) Low

Analysis Batch No.: 58567 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
79-20-9	Methyl acetate	ND		5.8	1.1
1634-04-4	Methyl tert-butyl ether	ND		5.8	0.57
108-87-2	Methylcyclohexane	ND		5.8	0.89
75-09-2	Methylene Chloride	ND		5.8	2.7
100-42-5	Styrene	ND		5.8	0.29
127-18-4	Tetrachloroethene	ND		5.8	0.78
108-88-3	Toluene	ND		5.8	0.44
156-60-5	trans-1,2-Dichloroethene	ND		5.8	0.60
10061-02-6	trans-1,3-Dichloropropene	ND		5.8	2.6
79-01-6	Trichloroethene	24		5.8	1.3
75-69-4	Trichlorofluoromethane	ND		5.8	0.55
75-01-4	Vinyl chloride	ND		5.8	0.71
1330-20-7	Xylenes, Total	1.0	J B	12	0.98

CAS NO.	SURROGATE	%REC	Q	LIMITS
17060-07-0	1,2-Dichloroethane-d4 (Surr)	100		64-126
2037-26-5	Toluene-d8 (Surr)	106		71-125
460-00-4	4-Bromofluorobenzene (Surr)	96		72-126

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

Lab Name: TestAmerica Buffalo | Job No.: 480-18068-1

SDG No.:

Client Sample ID: RB-05 (6"-12" | Lab Sample ID: 480-18068-8

Matrix: Solid | Lab File ID: F7889.D

Analysis Method: 8260B | Date Collected: 04/02/2012 15:10

Sample wt/vol: 4.9(g) | Date Analyzed: 04/07/2012 02:31

Soil Aliquot Vol: | Dilution Factor: 1

Soil Extract Vol.: | GC Column: ZB-624 (60) ID: 0.25(mm)

% Moisture: 12.7 | Level: (low/med) Low

Analysis Batch No.: 58567 | Units: ug/Kg

Number TICs Found: 1 | TIC Result Total: 22

CAS NO.	COMPOUND NAME	RT	RESULT	Q
287-92-3	Cyclopentane	3.77	22	T J N

TestAmerica Laboratories
Target Compound Quantitation Report

Data File: \\Bufchrom\ChromData\HP5973F\20120406-10799.b\F7889.D
Lims ID: 480-18068-D-8-A Client ID: RB-05 (6"-12"
Inject. Date: 07-Apr-2012 02:31:30 Dil. Factor: 1.0000
Sample Type: Client
Sample ID: 480-18068-D-8-A
Misc. Info.: 480-0010799-013 =480-0010799-013
Operator: CDC Instrument ID: HP5973F
Vol. Injected: 1.0000 ALS Bottle#: 8
Lims Batch ID: 58567 Lims Sample ID: 13
Detector: MS SCAN

Method: \\Bufchrom\ChromData\HP5973F\20120406-10799.b\F-8260 SOIL.m
Last Update: 09-Apr-2012 11:48:11 Calib Date: 09-Mar-2012 18:10:30
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\Bufchrom\ChromData\HP5973F\20120309-10095.b\F7259.D
Limit Group: MV - 8260B ICAL
Integrator: RTE ID Type: Deconvolution ID
Process Host: CORP-CTX-16

First Level Reviewer: ByrnesJ Date: 09-Apr-2012 11:21:02

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/kg	Flags
* 1 1,4-Difluorobenzene	114	5.714	5.714	0.0	93	467313	50.0	
* 2 Chlorobenzene-d5	82	8.494	8.494	0.0	81	197303	50.0	
* 3 1,4-Dichlorobenzene-d4	152	10.800	10.800	0.0	93	205099	50.0	
$ 4 1,2-Dichloroethane-d4 (Surr)	67	5.410	5.410	0.0	98	71305	50.2	
$ 5 Toluene-d8 (Surr)	98	7.040	7.040	0.0	91	491753	52.8	
$ 6 4-Bromofluorobenzene (Surr)	174	9.705	9.705	0.0	88	148138	47.8	
10 Dichlorodifluoromethane	85		2.064					
12 Chloromethane	50		2.216					
13 Vinyl chloride	62		2.332					
14 Bromomethane	94		2.636					
15 Chloroethane	64		2.709					
17 Trichlorofluoromethane	101		2.934					
21 1,1,2-Trichloro-1,2,2-trifluoroe	101		3.311					
22 1,1-Dichloroethene	96		3.341					
23 Acetone	43		3.390					
26 Carbon disulfide	76		3.567					
27 Methyl acetate	43		3.615					
30 Methylene Chloride	84		3.737					
32 Methyl tert-butyl ether	73		3.895					
34 trans-1,2-Dichloroethene	96		3.932					
39 1,1-Dichloroethane	63		4.272					
43 2-Butanone (MEK)	43		4.716					
45 cis-1,2-Dichloroethene	96		4.729					
50 Chloroform	83		4.972					
51 1,1,1-Trichloroethane	97		5.124					
52 Cyclohexane	56		5.154					
55 Carbon tetrachloride	117		5.252					
57 Benzene	78		5.434					
58 1,2-Dichloroethane	62		5.471					
62 Trichloroethene	95	5.957	5.957	0.0	88	56195	20.9	
64 Methylcyclohexane	83		6.097					

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/kg	Flags
65 1,2-Dichloropropane	63		6.182					
68 Dichlorobromomethane	83		6.426					
72 cis-1,3-Dichloropropene	75		6.809					
73 4-Methyl-2-pentanone (MIBK)	43		6.906					
74 Toluene	92		7.107					
77 trans-1,3-Dichloropropene	75		7.326					
79 1,1,2-Trichloroethane	83		7.527					
81 Tetrachloroethene	166		7.630					
80 2-Hexanone	43		7.697					
83 Chlorodibromomethane	129		7.941					
84 Ethylene Dibromide	107		8.074					
87 Chlorobenzene	112		8.525					
88 Ethylbenzene	91		8.585					
90 m-Xylene & p-Xylene	106	8.695	8.701	-0.006	51	4452	0.8796	
91 o-Xylene	106		9.133					
92 Styrene	104		9.157					
95 Bromoform	173		9.431					
94 Isopropylbenzene	105		9.492					
97 1,1,2,2-Tetrachloroethane	83		9.857					
111 1,3-Dichlorobenzene	146		10.739					
113 1,4-Dichlorobenzene	146		10.818					
116 1,2-Dichlorobenzene	146		11.159					
117 1,2-Dibromo-3-Chloropropane	75		11.834					
119 1,2,4-Trichlorobenzene	180		12.491					
S 124 Xylenes, Total	1				0		0.8796	

TestAmerica Laboratories
Tentatively Identified Quantitation Report

Data File:	\\Bufchrom\ChromData\HP5973F\20120406-10799.b\F7889.D		
Lims ID:	480-18068-D-8-A	Client ID:	RB-05 (6"-12"
Inject. Date:	07-Apr-2012 02:31:30	Dil. Factor:	1.0000
Sample Type:	Client		
Sample ID:	480-18068-D-8-A		
Misc. Info.:	480-0010799-013 =480-0010799-013		
Operator:	CDC	Instrument ID:	HP5973F
Vol. Injected:	1.0000	ALS Bottle#:	8
Lims Batch ID:	58567	Lims Sample ID:	13
Detector:	MS SCAN		
Method:	\\Bufchrom\ChromData\HP5973F\20120406-10799.b\F-8260 SOIL.m		
Last Update:	09-Apr-2012 11:48:11	Calib Date:	09-Mar-2012 18:10:30
Tic RT Window:	1.500 -0.000	Response:	area
Quant By:	Nearest ISTD	Quant LOD:	10.00000
MS Library:	\\Bufchrom\ChromData\Database\NIST98.L		
Min. Match:	85		
Process Host:	CORP-CTX-16		
First Level Reviewer: ByrnesJ		Date:	09-Apr-2012 11:21:02

Calibrated Tentative Identified Compound Results

Compound	RT	Response	Amount ug/kg	Flags
Hexane	4.065	4198	1.03	

Tentative Identified Compound Results

RT	Response	Amount ug/kg	Quant Cpnd	Qual	Lib Entry	Flags
287-92-3 Cyclopentane						
3.773	361826	18.6	1	90	109034	

Quantitation Compounds

Compound	RT	Response	Amount ug/kg
* 1 1,4-Difluorobenzene	5.714	973868	50.0

QC Flag Legend

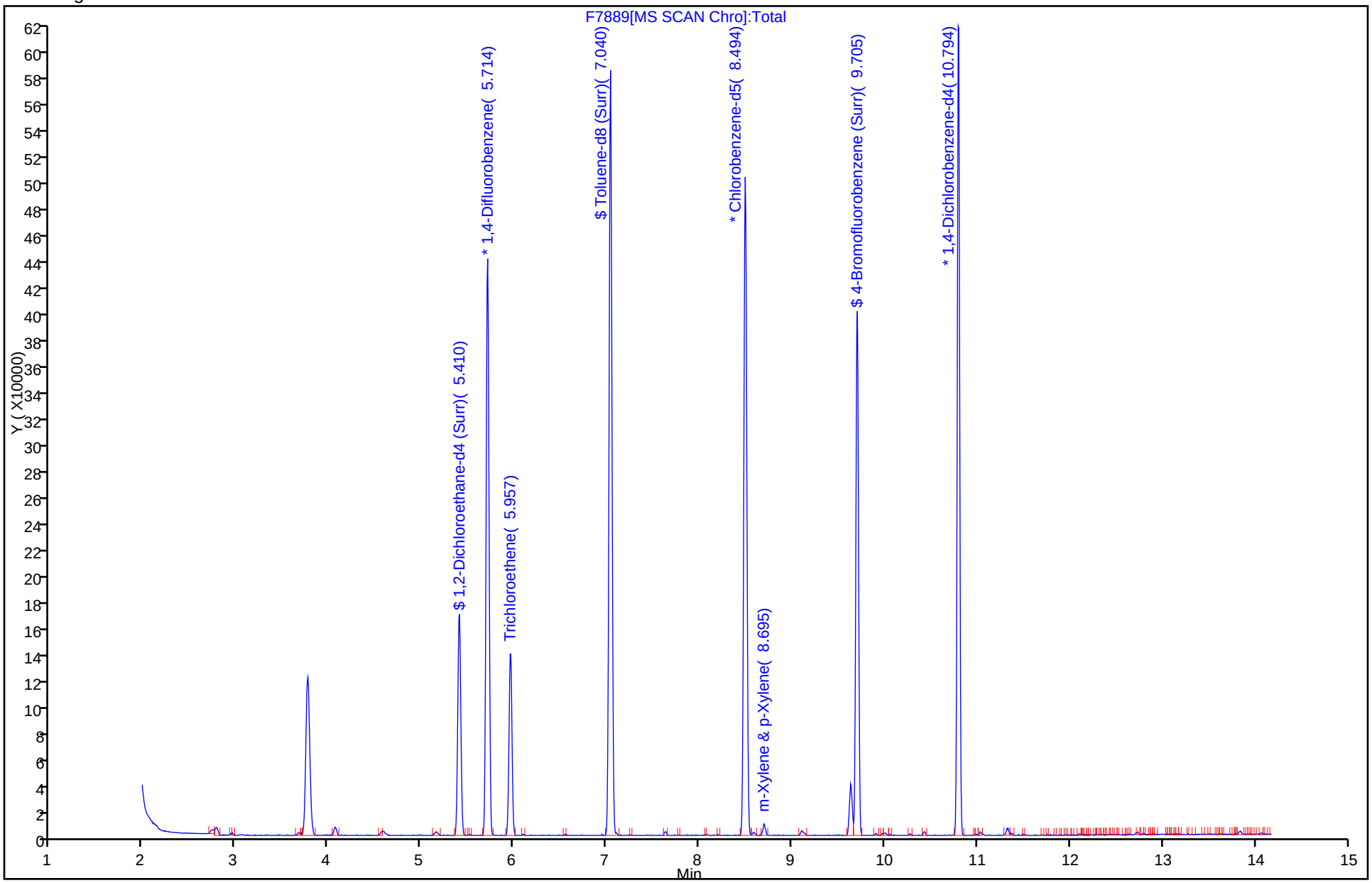
Processing Flags

Report Date: 09-Apr-2012 11:48:23 Chrom Revision: 2.0 20-Feb-2012 13:27:02

Data File: \\Bufchrom\ChromData\HP5973F\20120406-10799.b\F7889.D

Injection Date:	07-Apr-2012 02:31:30	Limit Group:	MV - 8260B ICAL
Client ID:	RB-05 (6"-12"	Instrument ID:	HP5973F
Lims Batch ID:	58567	Lims Sample ID:	13
Operator ID:	CDC		
Column Type:	ZB-624	Column Dia:	0.25 mm

Y Scaling:

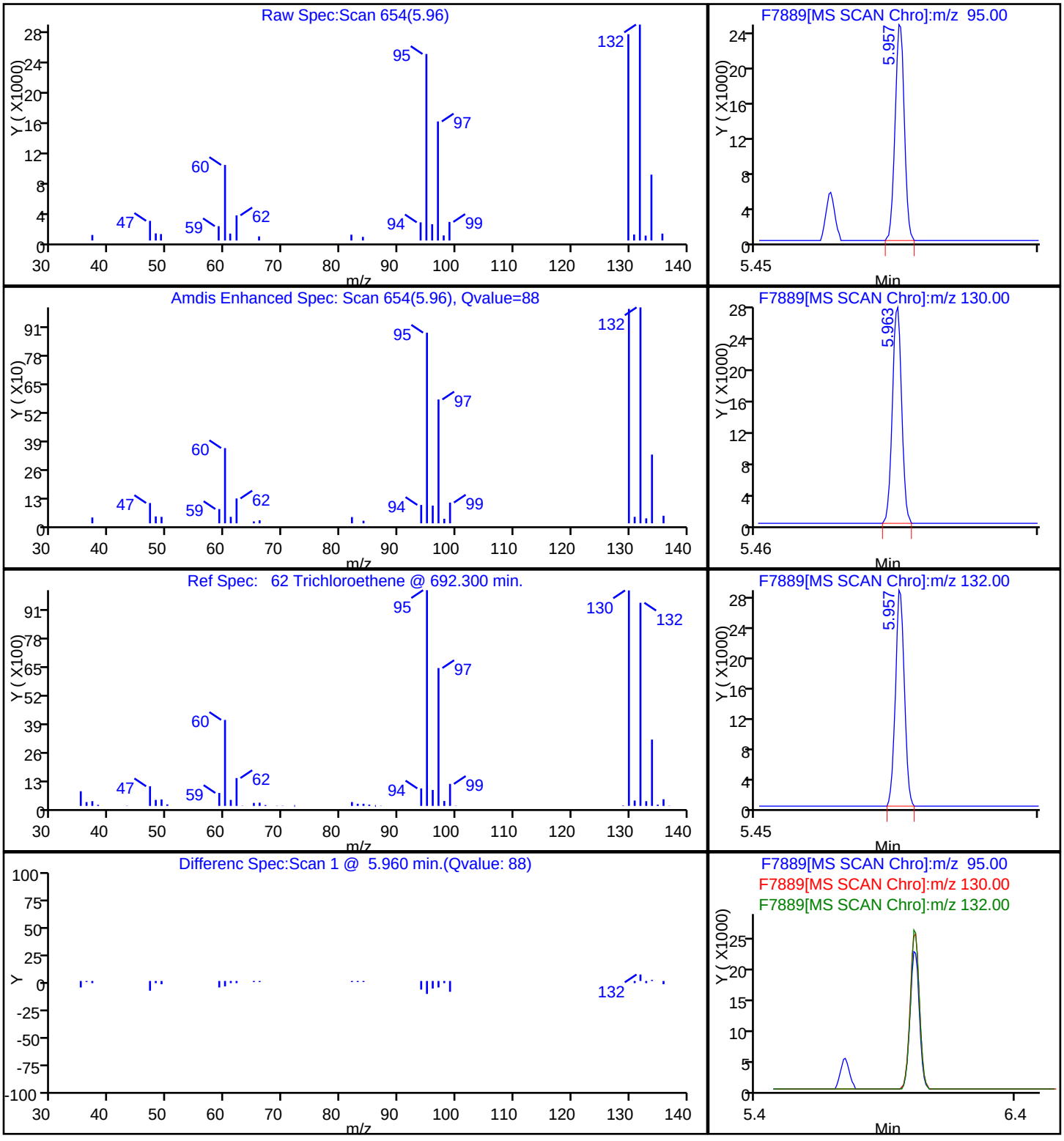


Report Date: 09-Apr-2012 11:48:23 Chrom Revision: 2.0 20-Feb-2012 13:27:02

Data File: \\Bufchrom\ChromData\HP5973F\20120406-10799.b\F7889.D

Injection Date:	07-Apr-2012 02:31:30	Limit Group:	MV - 8260B ICAL
Client ID:	RB-05 (6"-12"	Instrument ID:	HP5973F
Lims Batch ID:	58567	Lims Sample ID:	13
Operator ID:	CDC		
Column Type:	ZB-624	Column Dia:	0.25 mm

62 Trichloroethene

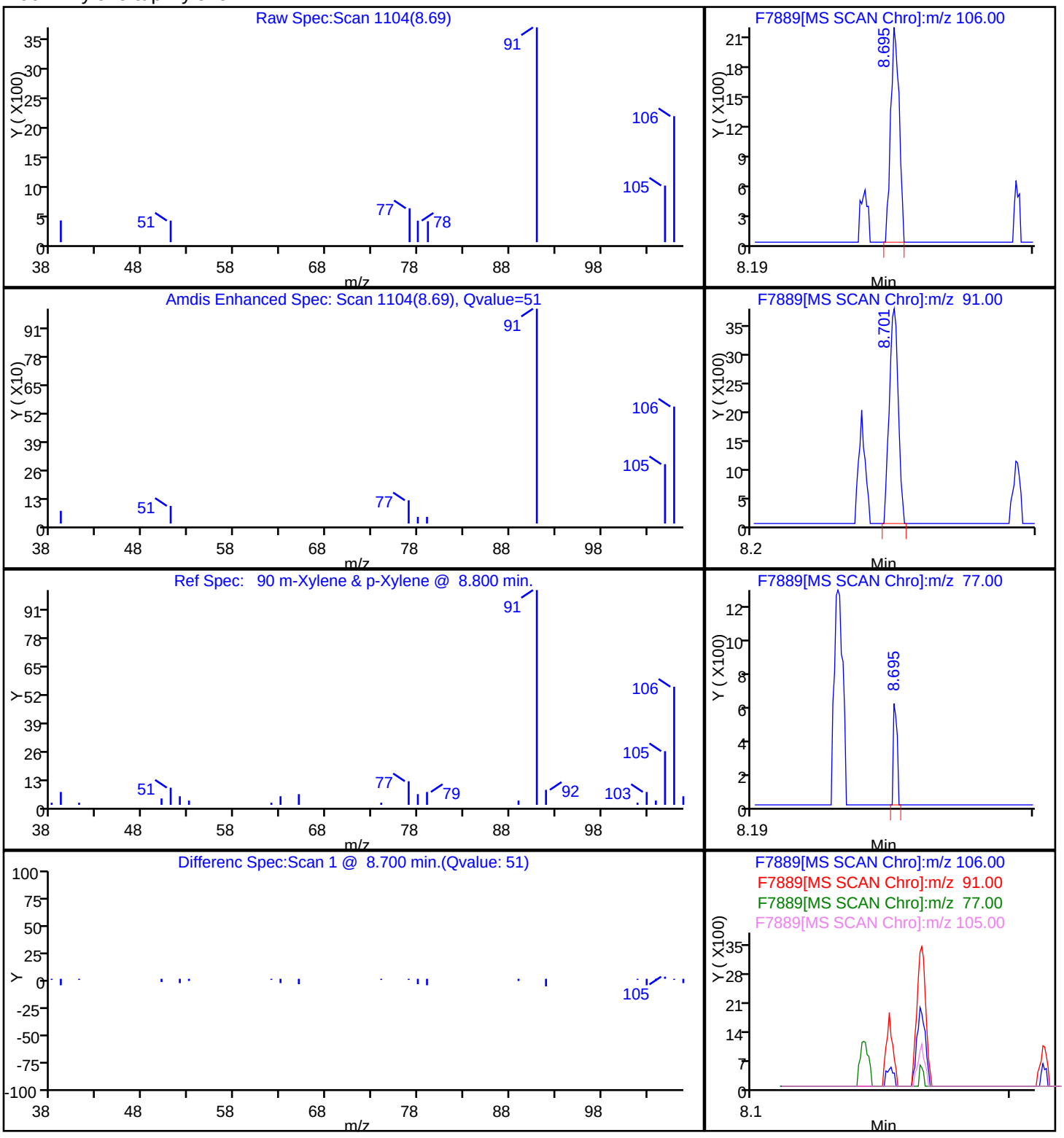


Report Date: 09-Apr-2012 11:48:23 Chrom Revision: 2.0 20-Feb-2012 13:27:02

Data File: \\Bufchrom\ChromData\HP5973F\20120406-10799.b\F7889.D

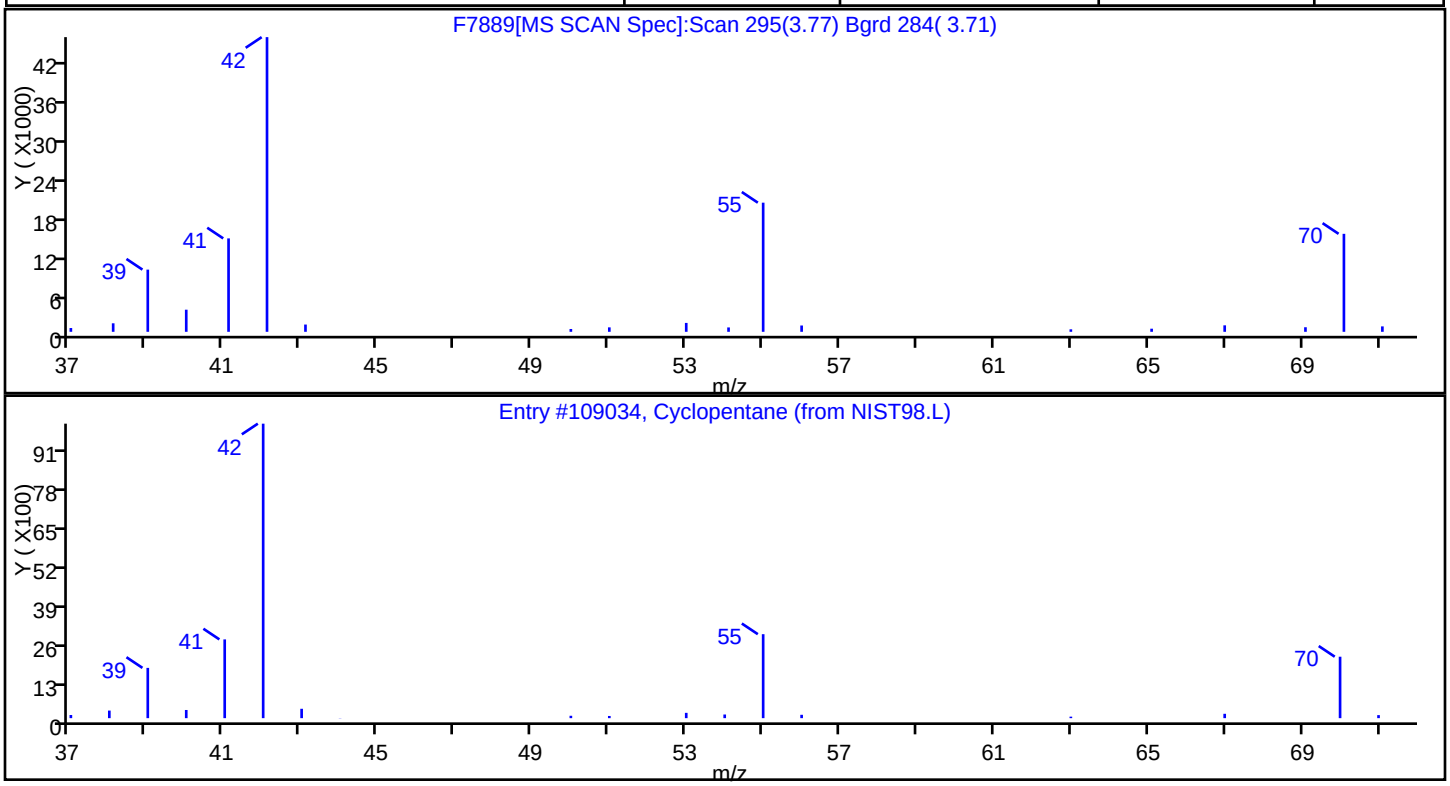
Injection Date:	07-Apr-2012 02:31:30	Limit Group:	MV - 8260B ICAL
Client ID:	RB-05 (6"-12"	Instrument ID:	HP5973F
Lims Batch ID:	58567	Lims Sample ID:	13
Operator ID:	CDC		
Column Type:	ZB-624	Column Dia:	0.25 mm

90 m-Xylene & p-Xylene



Report Date: 09-Apr-2012 11:48:23 Chrom Revision: 2.0 20-Feb-2012 13:27:02
Data File: \\Bufchrom\ChromData\HP5973F\20120406-10799.b\F7889.D
Injection Date: 07-Apr-2012 02:31:30 Limit Group: MV - 8260B ICAL
Client ID: RB-05 (6"-12" Instrument ID: HP5973F
Lims Batch ID: 58567 Lims Sample ID: 13
Operator ID: CDC
Column Type: ZB-624 Column Dia: 0.25 mm

Library Search Compound Match	CAS Number	Library	Entry	Quality
Cyclopentane	287-92-3	NIST98.L	109034	90



FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Buffalo | Job No.: 480-18068-1

SDG No.:

Client Sample ID: RB-05 (12"-24") | Lab Sample ID: 480-18068-9

Matrix: Solid | Lab File ID: F7890.D

Analysis Method: 8260B | Date Collected: 04/02/2012 15:25

Sample wt/vol: 5.56(g) | Date Analyzed: 04/07/2012 02:56

Soil Aliquot Vol: | Dilution Factor: 1

Soil Extract Vol.: | GC Column: ZB-624 (60) ID: 0.25(mm)

% Moisture: 15.6 | Level: (low/med) Low

Analysis Batch No.: 58567 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
71-55-6	1,1,1-Trichloroethane	ND		5.3	0.39
79-34-5	1,1,2,2-Tetrachloroethane	ND		5.3	0.86
79-00-5	1,1,2-Trichloroethane	ND		5.3	0.69
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	ND		5.3	1.2
75-34-3	1,1-Dichloroethane	ND		5.3	0.65
75-35-4	1,1-Dichloroethene	ND		5.3	0.65
120-82-1	1,2,4-Trichlorobenzene	ND		5.3	0.32
96-12-8	1,2-Dibromo-3-Chloropropane	ND		5.3	2.7
106-93-4	1,2-Dibromoethane	ND		5.3	0.68
95-50-1	1,2-Dichlorobenzene	ND		5.3	0.42
107-06-2	1,2-Dichloroethane	ND		5.3	0.27
78-87-5	1,2-Dichloropropane	ND		5.3	2.7
541-73-1	1,3-Dichlorobenzene	ND		5.3	0.27
106-46-7	1,4-Dichlorobenzene	ND		5.3	0.75
591-78-6	2-Hexanone	ND		27	2.7
78-93-3	2-Butanone (MEK)	ND		27	1.9
108-10-1	4-Methyl-2-pentanone (MIBK)	ND		27	1.7
67-64-1	Acetone	ND		27	4.5
71-43-2	Benzene	ND		5.3	0.26
75-27-4	Bromodichloromethane	ND		5.3	0.71
75-25-2	Bromoform	ND		5.3	2.7
74-83-9	Bromomethane	ND		5.3	0.48
75-15-0	Carbon disulfide	ND		5.3	2.7
56-23-5	Carbon tetrachloride	ND		5.3	0.52
108-90-7	Chlorobenzene	ND		5.3	0.70
124-48-1	Dibromochloromethane	ND		5.3	0.68
75-00-3	Chloroethane	ND		5.3	1.2
67-66-3	Chloroform	ND		5.3	0.33
74-87-3	Chloromethane	ND		5.3	0.32
156-59-2	cis-1,2-Dichloroethene	ND		5.3	0.68
10061-01-5	cis-1,3-Dichloropropene	ND		5.3	0.77
110-82-7	Cyclohexane	ND		5.3	0.75
75-71-8	Dichlorodifluoromethane	ND		5.3	0.44
100-41-4	Ethylbenzene	ND		5.3	0.37
98-82-8	Isopropylbenzene	ND		5.3	0.80

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Buffalo | Job No.: 480-18068-1

SDG No.:

Client Sample ID: RB-05 (12"-24") | Lab Sample ID: 480-18068-9

Matrix: Solid | Lab File ID: F7890.D

Analysis Method: 8260B | Date Collected: 04/02/2012 15:25

Sample wt/vol: 5.56(g) | Date Analyzed: 04/07/2012 02:56

Soil Aliquot Vol: | Dilution Factor: 1

Soil Extract Vol.: | GC Column: ZB-624 (60) ID: 0.25(mm)

% Moisture: 15.6 | Level: (low/med) Low

Analysis Batch No.: 58567 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
79-20-9	Methyl acetate	ND		5.3	0.99
1634-04-4	Methyl tert-butyl ether	ND		5.3	0.52
108-87-2	Methylcyclohexane	ND		5.3	0.81
75-09-2	Methylene Chloride	ND		5.3	2.5
100-42-5	Styrene	ND		5.3	0.27
127-18-4	Tetrachloroethene	ND		5.3	0.71
108-88-3	Toluene	ND		5.3	0.40
156-60-5	trans-1,2-Dichloroethene	ND		5.3	0.55
10061-02-6	trans-1,3-Dichloropropene	ND		5.3	2.3
79-01-6	Trichloroethene	23		5.3	1.2
75-69-4	Trichlorofluoromethane	ND		5.3	0.50
75-01-4	Vinyl chloride	ND		5.3	0.65
1330-20-7	Xylenes, Total	ND		11	0.90

CAS NO.	SURROGATE	%REC	Q	LIMITS
17060-07-0	1,2-Dichloroethane-d4 (Surr)	101		64-126
2037-26-5	Toluene-d8 (Surr)	104		71-125
460-00-4	4-Bromofluorobenzene (Surr)	97		72-126

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

Lab Name: TestAmerica Buffalo | Job No.: 480-18068-1

SDG No.:

Client Sample ID: RB-05 (12"-24") | Lab Sample ID: 480-18068-9

Matrix: Solid | Lab File ID: F7890.D

Analysis Method: 8260B | Date Collected: 04/02/2012 15:25

Sample wt/vol: 5.56(g) | Date Analyzed: 04/07/2012 02:56

Soil Aliquot Vol: | Dilution Factor: 1

Soil Extract Vol.: | GC Column: ZB-624 (60) ID: 0.25(mm)

% Moisture: 15.6 | Level: (low/med) Low

Analysis Batch No.: 58567 | Units: ug/Kg

Number TICs Found: 3 | TIC Result Total: 91.6

CAS NO.	COMPOUND NAME	RT	RESULT	Q
	Unknown	2.78	5.4	T J
	Unknown	3.77	83	T J
110-54-3	Hexane	4.07	3.2	J

TestAmerica Laboratories
Target Compound Quantitation Report

Data File:	\\Bufchrom\ChromData\HP5973F\20120406-10799.b\F7890.D		
Lims ID:	480-18068-D-9-A	Client ID:	RB-05 (12"-24")
Inject. Date:	07-Apr-2012 02:56:30	Dil. Factor:	1.0000
Sample Type:	Client		
Sample ID:	480-18068-D-9-A		
Misc. Info.:	480-0010799-014 =480-0010799-014		
Operator:	CDC	Instrument ID:	HP5973F
Vol. Injected:	1.0000	ALS Bottle#:	9
Lims Batch ID:	58567	Lims Sample ID:	14
Detector:	MS SCAN		
Method:	\\Bufchrom\ChromData\HP5973F\20120406-10799.b\F-8260 SOIL.m		
Last Update:	09-Apr-2012 11:48:11	Calib Date:	09-Mar-2012 18:10:30
Quant Method:	Internal Standard	Quant By:	Initial Calibration
Last ICal File:	\\Bufchrom\ChromData\HP5973F\20120309-10095.b\F7259.D		
Limit Group:	MV - 8260B ICAL		
Integrator:	RTE	ID Type:	Deconvolution ID
Process Host:	CORP-CTX-16		
First Level Reviewer: ByrnesJ		Date:	09-Apr-2012 11:22:12

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/kg	Flags
* 1 1,4-Difluorobenzene	114	5.714	5.714	0.0	93	467769	50.0	
* 2 Chlorobenzene-d5	82	8.494	8.494	0.0	81	197619	50.0	
* 3 1,4-Dichlorobenzene-d4	152	10.800	10.800	0.0	93	209860	50.0	
$ 4 1,2-Dichloroethane-d4 (Surr)	67	5.404	5.410	-0.006	98	71549	50.3	
$ 5 Toluene-d8 (Surr)	98	7.040	7.040	0.0	91	487065	52.2	
$ 6 4-Bromofluorobenzene (Surr)	174	9.705	9.705	0.0	88	151170	48.7	
10 Dichlorodifluoromethane	85		2.064					
12 Chloromethane	50		2.216					
13 Vinyl chloride	62		2.332					
14 Bromomethane	94		2.636					
15 Chloroethane	64		2.709					
17 Trichlorofluoromethane	101		2.934					
21 1,1,2-Trichloro-1,2,2-trifluoroe	101		3.311					
22 1,1-Dichloroethene	96		3.341					
23 Acetone	43		3.390					
26 Carbon disulfide	76		3.567					
27 Methyl acetate	43		3.615					
30 Methylene Chloride	84		3.737					
32 Methyl tert-butyl ether	73		3.895					
34 trans-1,2-Dichloroethene	96		3.932					
39 1,1-Dichloroethane	63		4.272					
43 2-Butanone (MEK)	43		4.716					
45 cis-1,2-Dichloroethene	96		4.729					
50 Chloroform	83		4.972					
51 1,1,1-Trichloroethane	97		5.124					
52 Cyclohexane	56		5.154					
55 Carbon tetrachloride	117		5.252					
57 Benzene	78		5.434					
58 1,2-Dichloroethane	62		5.471					
62 Trichloroethene	95	5.964	5.957	0.007	89	58832	21.8	
64 Methylcyclohexane	83		6.097					

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/kg	Flags
65 1,2-Dichloropropane	63		6.182					
68 Dichlorobromomethane	83		6.426					
72 cis-1,3-Dichloropropene	75		6.809					
73 4-Methyl-2-pentanone (MIBK)	43		6.906					
74 Toluene	92		7.107					
77 trans-1,3-Dichloropropene	75		7.326					
79 1,1,2-Trichloroethane	83		7.527					
81 Tetrachloroethene	166		7.630					
80 2-Hexanone	43		7.697					
83 Chlorodibromomethane	129		7.941					
84 Ethylene Dibromide	107		8.074					
87 Chlorobenzene	112		8.525					
88 Ethylbenzene	91		8.585					
90 m-Xylene & p-Xylene	106	8.701	8.701	0.0	38	3717	0.7332	
91 o-Xylene	106		9.133					
92 Styrene	104		9.157					
95 Bromoform	173		9.431					
94 Isopropylbenzene	105		9.492					
97 1,1,2,2-Tetrachloroethane	83		9.857					
111 1,3-Dichlorobenzene	146		10.739					
113 1,4-Dichlorobenzene	146		10.818					
116 1,2-Dichlorobenzene	146		11.159					
117 1,2-Dibromo-3-Chloropropane	75		11.834					
119 1,2,4-Trichlorobenzene	180		12.491					
S 124 Xylenes, Total	1				0		0.7332	

TestAmerica Laboratories
Tentatively Identified Quantitation Report

Data File:	\\Bufchrom\ChromData\HP5973F\20120406-10799.b\F7890.D		
Lims ID:	480-18068-D-9-A	Client ID:	RB-05 (12"-24")
Inject. Date:	07-Apr-2012 02:56:30	Dil. Factor:	1.0000
Sample Type:	Client		
Sample ID:	480-18068-D-9-A		
Misc. Info.:	480-0010799-014 =480-0010799-014		
Operator:	CDC	Instrument ID:	HP5973F
Vol. Injected:	1.0000	ALS Bottle#:	9
Lims Batch ID:	58567	Lims Sample ID:	14
Detector:	MS SCAN		
Method:	\\Bufchrom\ChromData\HP5973F\20120406-10799.b\F-8260 SOIL.m		
Last Update:	09-Apr-2012 11:48:11	Calib Date:	09-Mar-2012 18:10:30
Tic RT Window:	1.500 -0.000	Response:	area
Quant By:	Nearest ISTD	Quant LOD:	10.00000
MS Library:	\\Bufchrom\ChromData\Database\NIST98.L		
Min. Match:	85		
Process Host:	CORP-CTX-16		

First Level Reviewer: ByrnesJ Date: 09-Apr-2012 11:22:12

Calibrated Tentative Identified Compound Results

Compound	RT	Response	Amount ug/kg	Flags
Hexane	4.072	12288	3.01	

Tentative Identified Compound Results

RT	Response	Amount ug/kg	Quant Cpnd	Qual	Lib Entry	Flags
	Unknown					
2.782	99366	5.10	1			
	Unknown					
3.774	1514486	77.7	1			

Quantitation Compounds

Compound	RT	Response	Amount ug/kg
* 1 1,4-Difluorobenzene	5.714	974387	50.0

QC Flag Legend

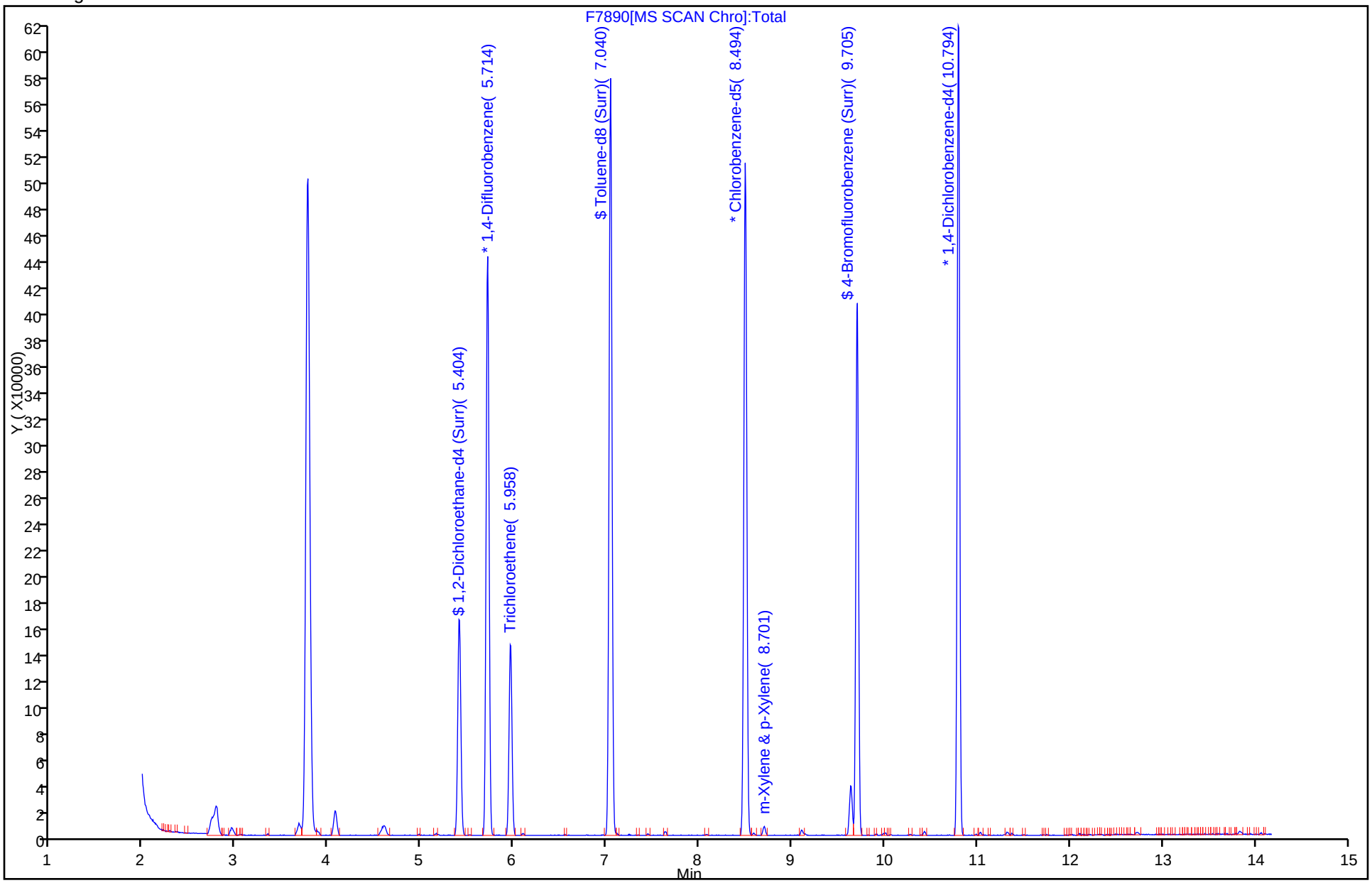
Processing Flags

Report Date: 09-Apr-2012 11:48:22 Chrom Revision: 2.0 20-Feb-2012 13:27:02

Data File: \\Bufchrom\ChromData\HP5973F\20120406-10799.b\F7890.D

Injection Date:	07-Apr-2012 02:56:30	Limit Group:	MV - 8260B ICAL
Client ID:	RB-05 (12"-24")	Instrument ID:	HP5973F
Lims Batch ID:	58567	Lims Sample ID:	14
Operator ID:	CDC		
Column Type:	ZB-624	Column Dia:	0.25 mm

Y Scaling:

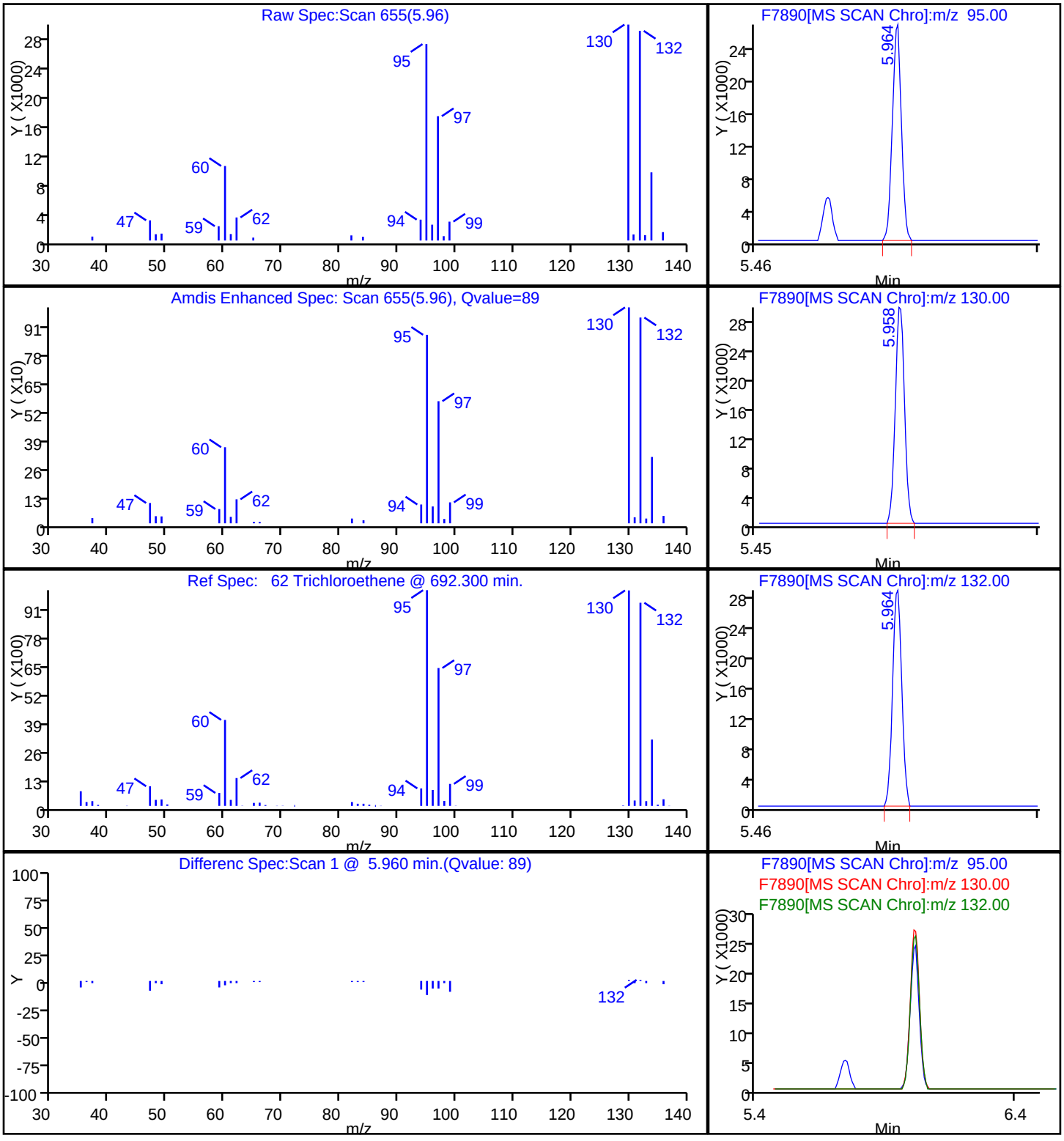


Report Date: 09-Apr-2012 11:48:22 Chrom Revision: 2.0 20-Feb-2012 13:27:02

Data File: \\Bufchrom\ChromData\HP5973F\20120406-10799.b\F7890.D

Injection Date:	07-Apr-2012 02:56:30	Limit Group:	MV - 8260B ICAL
Client ID:	RB-05 (12"-24")	Instrument ID:	HP5973F
Lims Batch ID:	58567	Lims Sample ID:	14
Operator ID:	CDC		
Column Type:	ZB-624	Column Dia:	0.25 mm

62 Trichloroethene

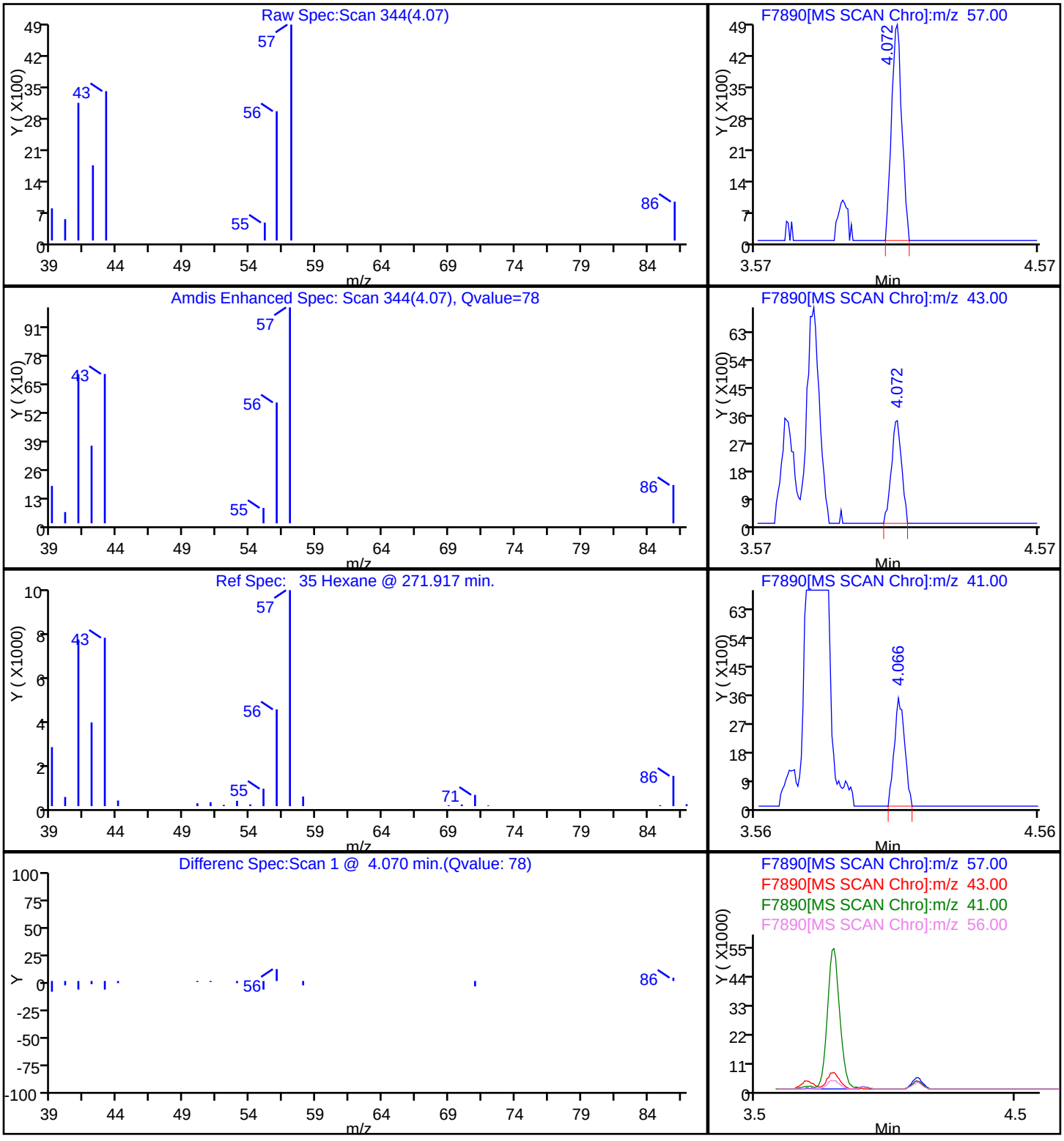


Report Date: 09-Apr-2012 11:48:22 Chrom Revision: 2.0 20-Feb-2012 13:27:02

Data File: \\Bufchrom\ChromData\HP5973F\20120406-10799.b\F7890.D

Injection Date:	07-Apr-2012 02:56:30	Limit Group:	MV - 8260B ICAL
Client ID:	RB-05 (12"-24")	Instrument ID:	HP5973F
Lims Batch ID:	58567	Lims Sample ID:	14
Operator ID:	CDC		
Column Type:	ZB-624	Column Dia:	0.25 mm

35 Hexane

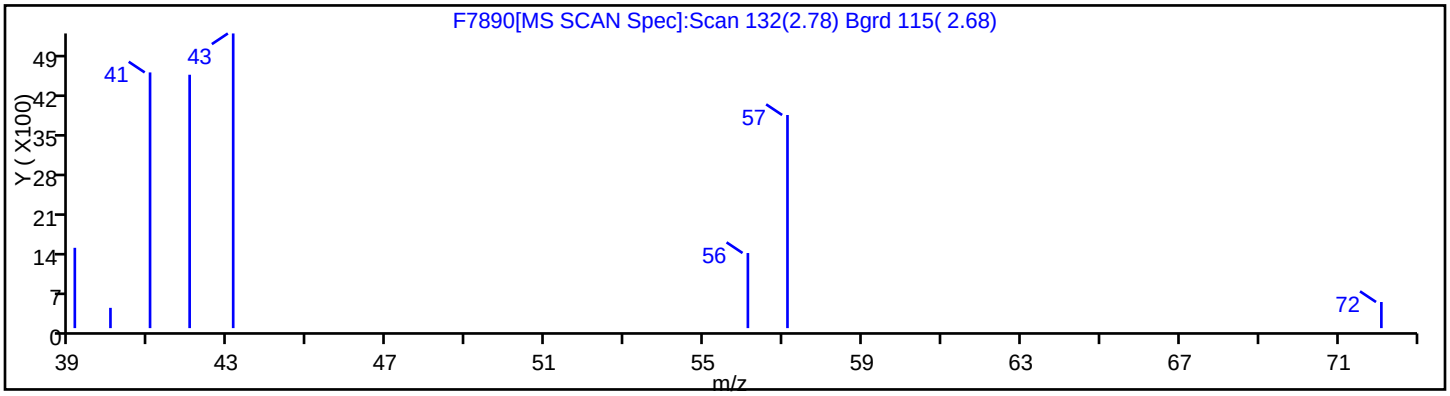


Report Date: 09-Apr-2012 11:48:22 Chrom Revision: 2.0 20-Feb-2012 13:27:02

Data File: \\Bufchrom\ChromData\HP5973F\20120406-10799.b\F7890.D

Injection Date:	07-Apr-2012 02:56:30	Limit Group:	MV - 8260B ICAL
Client ID:	RB-05 (12"-24")	Instrument ID:	HP5973F
Lims Batch ID:	58567	Lims Sample ID:	14
Operator ID:	CDC		
Column Type:	ZB-624	Column Dia:	0.25 mm

No Library Matches Found above the Threshold: 85

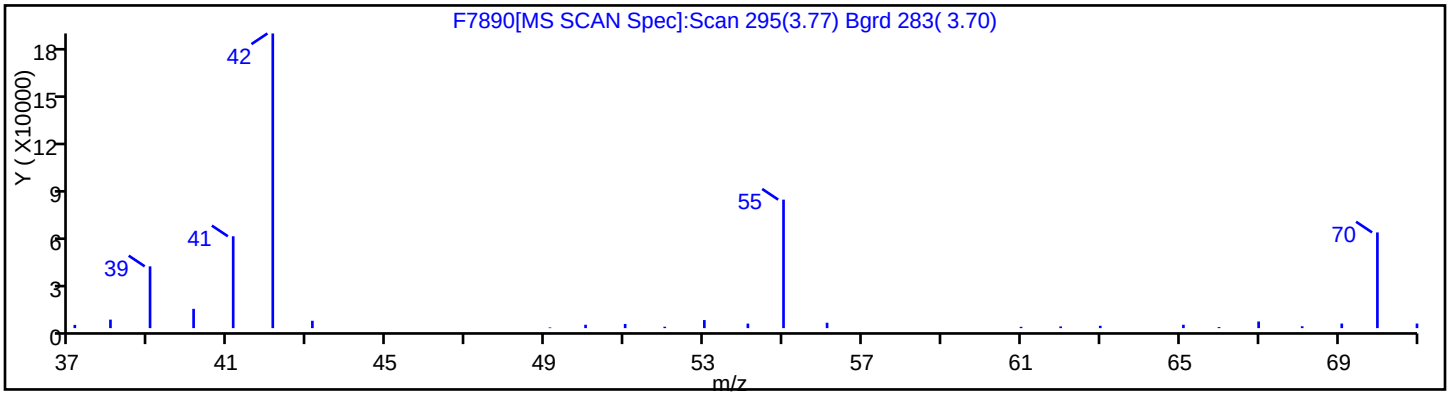


Report Date: 09-Apr-2012 11:48:22 Chrom Revision: 2.0 20-Feb-2012 13:27:02

Data File: \\Bufchrom\ChromData\HP5973F\20120406-10799.b\F7890.D

Injection Date:	07-Apr-2012 02:56:30	Limit Group:	MV - 8260B ICAL
Client ID:	RB-05 (12"-24")	Instrument ID:	HP5973F
Lims Batch ID:	58567	Lims Sample ID:	14
Operator ID:	CDC		
Column Type:	ZB-624	Column Dia:	0.25 mm

No Library Matches Found above the Threshold: 85



FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Buffalo | Job No.: 480-18068-1

SDG No.:

Client Sample ID: RB-06 (0-6") | Lab Sample ID: 480-18068-10

Matrix: Solid | Lab File ID: F7891.D

Analysis Method: 8260B | Date Collected: 04/02/2012 16:10

Sample wt/vol: 3.93(g) | Date Analyzed: 04/07/2012 03:22

Soil Aliquot Vol: | Dilution Factor: 1

Soil Extract Vol.: | GC Column: ZB-624 (60) ID: 0.25(mm)

% Moisture: 10.1 | Level: (low/med) Low

Analysis Batch No.: 58567 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
71-55-6	1,1,1-Trichloroethane	ND		7.1	0.51
79-34-5	1,1,2,2-Tetrachloroethane	ND		7.1	1.1
79-00-5	1,1,2-Trichloroethane	ND		7.1	0.92
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	ND		7.1	1.6
75-34-3	1,1-Dichloroethane	ND		7.1	0.86
75-35-4	1,1-Dichloroethene	ND		7.1	0.87
120-82-1	1,2,4-Trichlorobenzene	ND		7.1	0.43
96-12-8	1,2-Dibromo-3-Chloropropane	ND		7.1	3.5
106-93-4	1,2-Dibromoethane	ND		7.1	0.91
95-50-1	1,2-Dichlorobenzene	ND		7.1	0.55
107-06-2	1,2-Dichloroethane	ND		7.1	0.36
78-87-5	1,2-Dichloropropane	ND		7.1	3.5
541-73-1	1,3-Dichlorobenzene	ND		7.1	0.36
106-46-7	1,4-Dichlorobenzene	ND		7.1	0.99
591-78-6	2-Hexanone	ND		35	3.5
78-93-3	2-Butanone (MEK)	ND		35	2.6
108-10-1	4-Methyl-2-pentanone (MIBK)	ND		35	2.3
67-64-1	Acetone	ND		35	6.0
71-43-2	Benzene	ND		7.1	0.35
75-27-4	Bromodichloromethane	ND		7.1	0.95
75-25-2	Bromoform	ND		7.1	3.5
74-83-9	Bromomethane	ND		7.1	0.64
75-15-0	Carbon disulfide	ND		7.1	3.5
56-23-5	Carbon tetrachloride	ND		7.1	0.69
108-90-7	Chlorobenzene	ND		7.1	0.93
124-48-1	Dibromochloromethane	ND		7.1	0.91
75-00-3	Chloroethane	ND		7.1	1.6
67-66-3	Chloroform	ND		7.1	0.44
74-87-3	Chloromethane	ND		7.1	0.43
156-59-2	cis-1,2-Dichloroethene	ND		7.1	0.91
10061-01-5	cis-1,3-Dichloropropene	ND		7.1	1.0
110-82-7	Cyclohexane	ND		7.1	0.99
75-71-8	Dichlorodifluoromethane	ND		7.1	0.58
100-41-4	Ethylbenzene	ND		7.1	0.49
98-82-8	Isopropylbenzene	ND		7.1	1.1

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Buffalo | Job No.: 480-18068-1

SDG No.:

Client Sample ID: RB-06 (0-6") | Lab Sample ID: 480-18068-10

Matrix: Solid | Lab File ID: F7891.D

Analysis Method: 8260B | Date Collected: 04/02/2012 16:10

Sample wt/vol: 3.93(g) | Date Analyzed: 04/07/2012 03:22

Soil Aliquot Vol: | Dilution Factor: 1

Soil Extract Vol.: | GC Column: ZB-624 (60) ID: 0.25(mm)

% Moisture: 10.1 | Level: (low/med) Low

Analysis Batch No.: 58567 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
79-20-9	Methyl acetate	ND		7.1	1.3
1634-04-4	Methyl tert-butyl ether	ND		7.1	0.70
108-87-2	Methylcyclohexane	ND		7.1	1.1
75-09-2	Methylene Chloride	ND		7.1	3.3
100-42-5	Styrene	ND		7.1	0.35
127-18-4	Tetrachloroethene	ND		7.1	0.95
108-88-3	Toluene	ND		7.1	0.54
156-60-5	trans-1,2-Dichloroethene	ND		7.1	0.73
10061-02-6	trans-1,3-Dichloropropene	ND		7.1	3.1
79-01-6	Trichloroethene	ND		7.1	1.6
75-69-4	Trichlorofluoromethane	ND		7.1	0.67
75-01-4	Vinyl chloride	ND		7.1	0.86
1330-20-7	Xylenes, Total	ND		14	1.2

CAS NO.	SURROGATE	%REC	Q	LIMITS
17060-07-0	1,2-Dichloroethane-d4 (Surr)	99		64-126
2037-26-5	Toluene-d8 (Surr)	105		71-125
460-00-4	4-Bromofluorobenzene (Surr)	97		72-126

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

Lab Name: TestAmerica Buffalo | Job No.: 480-18068-1

SDG No.:

Client Sample ID: RB-06 (0-6") | Lab Sample ID: 480-18068-10

Matrix: Solid | Lab File ID: F7891.D

Analysis Method: 8260B | Date Collected: 04/02/2012 16:10

Sample wt/vol: 3.93(g) | Date Analyzed: 04/07/2012 03:22

Soil Aliquot Vol: | Dilution Factor: 1

Soil Extract Vol.: | GC Column: ZB-624 (60) ID: 0.25(mm)

% Moisture: 10.1 | Level: (low/med) Low

Analysis Batch No.: 58567 | Units: ug/Kg

Number TICs Found: 1 | TIC Result Total: 8.7

CAS NO.	COMPOUND NAME	RT	RESULT	Q
	Unknown	3.77	8.7	T J

TestAmerica Laboratories
Target Compound Quantitation Report

Data File:	\\Bufchrom\ChromData\HP5973F\20120406-10799.b\F7891.D		
Lims ID:	480-18068-E-10-A	Client ID:	RB-06 (0-6")
Inject. Date:	07-Apr-2012 03:22:30	Dil. Factor:	1.0000
Sample Type:	Client		
Sample ID:	480-18068-E-10-A		
Misc. Info.:	480-0010799-015 =480-0010799-015		
Operator:	CDC	Instrument ID:	HP5973F
Vol. Injected:	1.0000	ALS Bottle#:	10
Lims Batch ID:	58567	Lims Sample ID:	15
Detector:	MS SCAN		
Method:	\\Bufchrom\ChromData\HP5973F\20120406-10799.b\F-8260 SOIL.m		
Last Update:	09-Apr-2012 11:48:11	Calib Date:	09-Mar-2012 18:10:30
Quant Method:	Internal Standard	Quant By:	Initial Calibration
Last ICal File:	\\Bufchrom\ChromData\HP5973F\20120309-10095.b\F7259.D		
Limit Group:	MV - 8260B ICAL		
Integrator:	RTE	ID Type:	Deconvolution ID
Process Host:	CORP-CTX-16		

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/kg	Flags
* 1 1,4-Difluorobenzene	114	5.714	5.714	0.0	93	469307	50.0	
* 2 Chlorobenzene-d5	82	8.494	8.494	0.0	81	197839	50.0	
* 3 1,4-Dichlorobenzene-d4	152	10.800	10.800	0.0	93	211814	50.0	
$ 4 1,2-Dichloroethane-d4 (Surr)	67	5.410	5.410	0.0	98	70690	49.6	
$ 5 Toluene-d8 (Surr)	98	7.040	7.040	0.0	91	490629	52.5	
$ 6 4-Bromofluorobenzene (Surr)	174	9.705	9.705	0.0	88	151121	48.6	
10 Dichlorodifluoromethane	85		2.064					
12 Chloromethane	50		2.216					
13 Vinyl chloride	62		2.332					
14 Bromomethane	94		2.636					
15 Chloroethane	64		2.709					
17 Trichlorofluoromethane	101		2.934					
21 1,1,2-Trichloro-1,2,2-trifluoroe	101		3.311					
22 1,1-Dichloroethene	96		3.341					
23 Acetone	43		3.390					
26 Carbon disulfide	76		3.567					
27 Methyl acetate	43		3.615					
30 Methylene Chloride	84		3.737					
32 Methyl tert-butyl ether	73		3.895					
34 trans-1,2-Dichloroethene	96		3.932					
39 1,1-Dichloroethane	63		4.272					
43 2-Butanone (MEK)	43		4.716					
45 cis-1,2-Dichloroethene	96		4.729					
50 Chloroform	83		4.972					
51 1,1,1-Trichloroethane	97		5.124					
52 Cyclohexane	56		5.154					
55 Carbon tetrachloride	117		5.252					
57 Benzene	78		5.434					
58 1,2-Dichloroethane	62		5.471					
62 Trichloroethene	95		5.957					
64 Methylcyclohexane	83		6.097					
65 1,2-Dichloropropane	63		6.182					
68 Dichlorobromomethane	83		6.426					

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/kg	Flags
72 cis-1,3-Dichloropropene	75		6.809					
73 4-Methyl-2-pentanone (MIBK)	43		6.906					
74 Toluene	92		7.107					
77 trans-1,3-Dichloropropene	75		7.326					
79 1,1,2-Trichloroethane	83		7.527					
81 Tetrachloroethene	166		7.630					
80 2-Hexanone	43		7.697					
83 Chlorodibromomethane	129		7.941					
84 Ethylene Dibromide	107		8.074					
87 Chlorobenzene	112		8.525					
88 Ethylbenzene	91		8.585					
90 m-Xylene & p-Xylene	106	8.701	8.701	0.0	37	3864	0.7614	
91 o-Xylene	106		9.133					
92 Styrene	104		9.157					
95 Bromoform	173		9.431					
94 Isopropylbenzene	105		9.492					
97 1,1,2,2-Tetrachloroethane	83		9.857					
111 1,3-Dichlorobenzene	146		10.739					
113 1,4-Dichlorobenzene	146		10.818					
116 1,2-Dichlorobenzene	146		11.159					
117 1,2-Dibromo-3-Chloropropane	75		11.834					
119 1,2,4-Trichlorobenzene	180		12.491					
S 124 Xylenes, Total	1				0		0.7614	

TestAmerica Laboratories
Tentatively Identified Quantitation Report

Data File:	\\Bufchrom\ChromData\HP5973F\20120406-10799.b\F7891.D		
Lims ID:	480-18068-E-10-A	Client ID:	RB-06 (0-6")
Inject. Date:	07-Apr-2012 03:22:30	Dil. Factor:	1.0000
Sample Type:	Client		
Sample ID:	480-18068-E-10-A		
Misc. Info.:	480-0010799-015 =480-0010799-015		
Operator:	CDC	Instrument ID:	HP5973F
Vol. Injected:	1.0000	ALS Bottle#:	10
Lims Batch ID:	58567	Lims Sample ID:	15
Detector:	MS SCAN		
Method:	\\Bufchrom\ChromData\HP5973F\20120406-10799.b\F-8260 SOIL.m		
Last Update:	09-Apr-2012 11:48:11	Calib Date:	09-Mar-2012 18:10:30
Tic RT Window:	1.500 -0.000	Response:	area
Quant By:	Nearest ISTD	Quant LOD:	10.00000
MS Library:	\\Bufchrom\ChromData\Database\NIST98.L		
Min. Match:	85		
Process Host:	CORP-CTX-16		

Calibrated Tentative Identified Compound Results

Compound	RT	Response	Amount ug/kg	Flags
Hexane	4.065	3976	0.9697	

Tentative Identified Compound Results

RT	Response	Amount ug/kg	Quant Cpnd	Qual	Lib Entry	Flags
		Unknown				
3.773	120080	6.15	1			

Quantitation Compounds

Compound	RT	Response	Amount ug/kg
* 1 1,4-Difluorobenzene	5.714	976271	50.0

QC Flag Legend

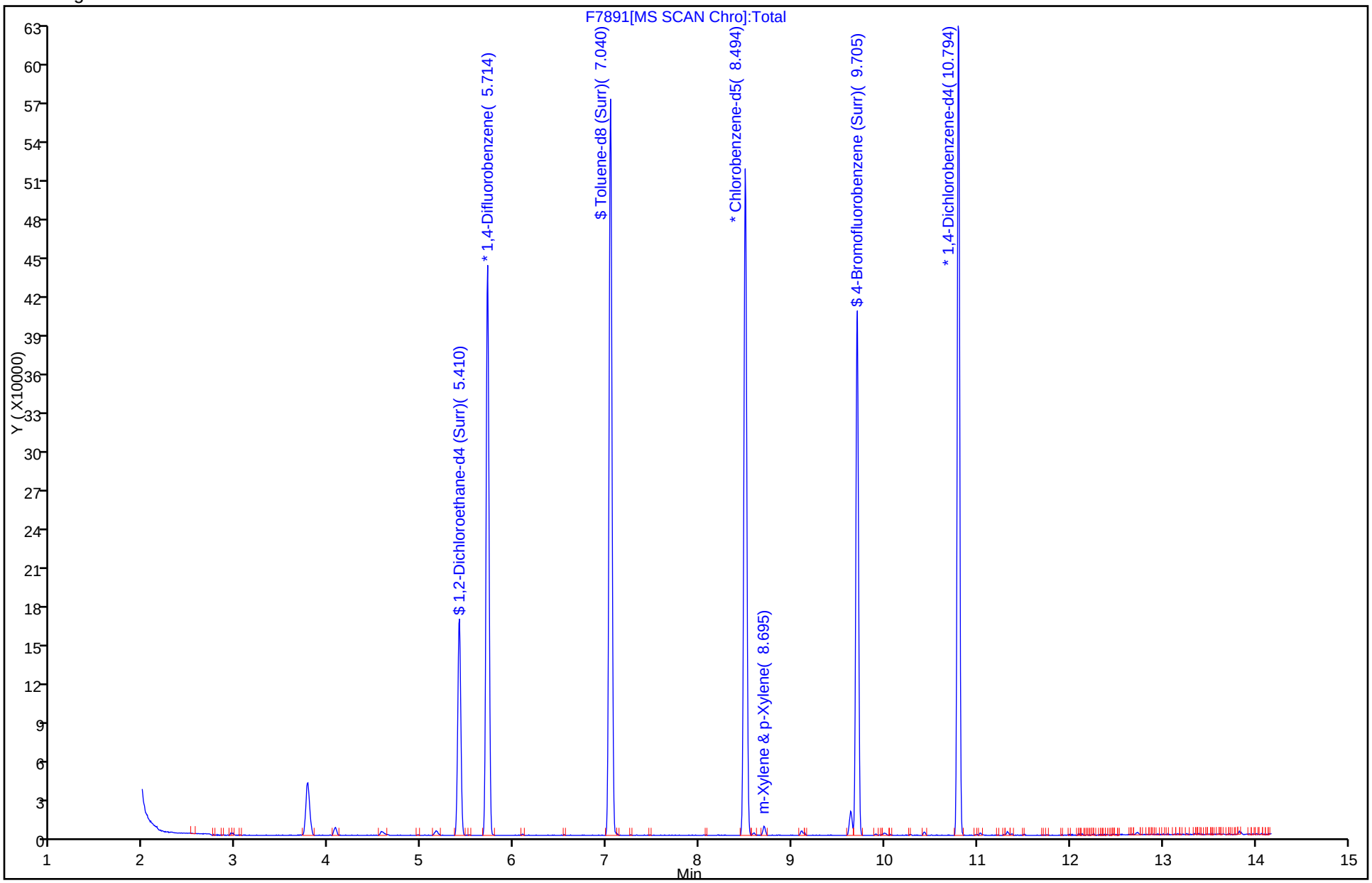
Processing Flags

Report Date: 09-Apr-2012 11:48:22 Chrom Revision: 2.0 20-Feb-2012 13:27:02

Data File: \\Bufchrom\ChromData\HP5973F\20120406-10799.b\F7891.D

Injection Date:	07-Apr-2012 03:22:30	Limit Group:	MV - 8260B ICAL
Client ID:	RB-06 (0-6")	Instrument ID:	HP5973F
Lims Batch ID:	58567	Lims Sample ID:	15
Operator ID:	CDC		
Column Type:	ZB-624	Column Dia:	0.25 mm

Y Scaling:

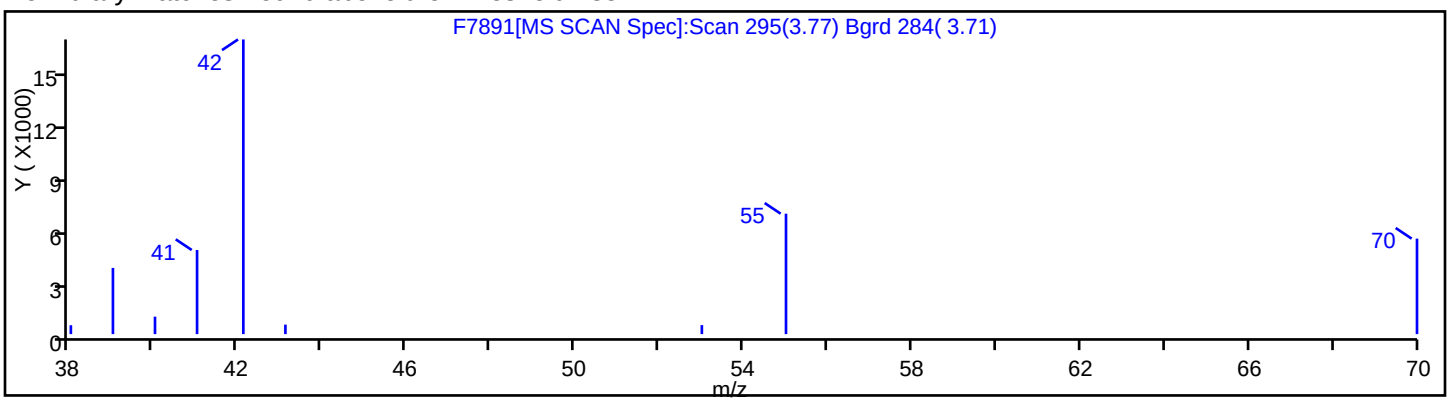


Report Date: 09-Apr-2012 11:48:22 Chrom Revision: 2.0 20-Feb-2012 13:27:02

Data File: \\Bufchrom\ChromData\HP5973F\20120406-10799.b\F7891.D

Injection Date:	07-Apr-2012 03:22:30	Limit Group:	MV - 8260B ICAL
Client ID:	RB-06 (0-6")	Instrument ID:	HP5973F
Lims Batch ID:	58567	Lims Sample ID:	15
Operator ID:	CDC		
Column Type:	ZB-624	Column Dia:	0.25 mm

No Library Matches Found above the Threshold: 85



FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Buffalo | Job No.: 480-18068-1

SDG No.:

Client Sample ID: RB-06 (6"-12" | Lab Sample ID: 480-18068-11

Matrix: Solid | Lab File ID: F7892.D

Analysis Method: 8260B | Date Collected: 04/02/2012 16:25

Sample wt/vol: 4.34(g) | Date Analyzed: 04/07/2012 03:47

Soil Aliquot Vol: | Dilution Factor: 1

Soil Extract Vol.: | GC Column: ZB-624 (60) ID: 0.25(mm)

% Moisture: 11.5 | Level: (low/med) Low

Analysis Batch No.: 58567 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
71-55-6	1,1,1-Trichloroethane	ND		6.5	0.47
79-34-5	1,1,2,2-Tetrachloroethane	ND		6.5	1.1
79-00-5	1,1,2-Trichloroethane	ND		6.5	0.85
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	ND		6.5	1.5
75-34-3	1,1-Dichloroethane	ND		6.5	0.79
75-35-4	1,1-Dichloroethene	ND		6.5	0.80
120-82-1	1,2,4-Trichlorobenzene	ND		6.5	0.40
96-12-8	1,2-Dibromo-3-Chloropropane	ND		6.5	3.3
106-93-4	1,2-Dibromoethane	ND		6.5	0.84
95-50-1	1,2-Dichlorobenzene	ND		6.5	0.51
107-06-2	1,2-Dichloroethane	ND		6.5	0.33
78-87-5	1,2-Dichloropropane	ND		6.5	3.3
541-73-1	1,3-Dichlorobenzene	ND		6.5	0.33
106-46-7	1,4-Dichlorobenzene	ND		6.5	0.91
591-78-6	2-Hexanone	ND		33	3.3
78-93-3	2-Butanone (MEK)	ND		33	2.4
108-10-1	4-Methyl-2-pentanone (MIBK)	ND		33	2.1
67-64-1	Acetone	ND		33	5.5
71-43-2	Benzene	ND		6.5	0.32
75-27-4	Bromodichloromethane	ND		6.5	0.87
75-25-2	Bromoform	ND		6.5	3.3
74-83-9	Bromomethane	ND		6.5	0.59
75-15-0	Carbon disulfide	ND		6.5	3.3
56-23-5	Carbon tetrachloride	ND		6.5	0.63
108-90-7	Chlorobenzene	ND		6.5	0.86
124-48-1	Dibromochloromethane	ND		6.5	0.83
75-00-3	Chloroethane	ND		6.5	1.5
67-66-3	Chloroform	ND		6.5	0.40
74-87-3	Chloromethane	ND		6.5	0.39
156-59-2	cis-1,2-Dichloroethene	ND		6.5	0.83
10061-01-5	cis-1,3-Dichloropropene	ND		6.5	0.94
110-82-7	Cyclohexane	ND		6.5	0.91
75-71-8	Dichlorodifluoromethane	ND		6.5	0.54
100-41-4	Ethylbenzene	ND		6.5	0.45
98-82-8	Isopropylbenzene	ND		6.5	0.98

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Buffalo | Job No.: 480-18068-1

SDG No.:

Client Sample ID: RB-06 (6"-12" | Lab Sample ID: 480-18068-11

Matrix: Solid | Lab File ID: F7892.D

Analysis Method: 8260B | Date Collected: 04/02/2012 16:25

Sample wt/vol: 4.34(g) | Date Analyzed: 04/07/2012 03:47

Soil Aliquot Vol: | Dilution Factor: 1

Soil Extract Vol.: | GC Column: ZB-624 (60) ID: 0.25(mm)

% Moisture: 11.5 | Level: (low/med) Low

Analysis Batch No.: 58567 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
79-20-9	Methyl acetate	ND		6.5	1.2
1634-04-4	Methyl tert-butyl ether	ND		6.5	0.64
108-87-2	Methylcyclohexane	ND		6.5	0.99
75-09-2	Methylene Chloride	ND		6.5	3.0
100-42-5	Styrene	ND		6.5	0.33
127-18-4	Tetrachloroethene	ND		6.5	0.87
108-88-3	Toluene	ND		6.5	0.49
156-60-5	trans-1,2-Dichloroethene	ND		6.5	0.67
10061-02-6	trans-1,3-Dichloropropene	ND		6.5	2.9
79-01-6	Trichloroethene	ND		6.5	1.4
75-69-4	Trichlorofluoromethane	ND		6.5	0.62
75-01-4	Vinyl chloride	ND		6.5	0.79
1330-20-7	Xylenes, Total	1.1	J B	13	1.1

CAS NO.	SURROGATE	%REC	Q	LIMITS
17060-07-0	1,2-Dichloroethane-d4 (Surr)	102		64-126
2037-26-5	Toluene-d8 (Surr)	106		71-125
460-00-4	4-Bromofluorobenzene (Surr)	97		72-126

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

Lab Name: TestAmerica Buffalo | Job No.: 480-18068-1

SDG No.:

Client Sample ID: RB-06 (6"-12" | Lab Sample ID: 480-18068-11

Matrix: Solid | Lab File ID: F7892.D

Analysis Method: 8260B | Date Collected: 04/02/2012 16:25

Sample wt/vol: 4.34(g) | Date Analyzed: 04/07/2012 03:47

Soil Aliquot Vol: | Dilution Factor: 1

Soil Extract Vol.: | GC Column: ZB-624 (60) ID: 0.25(mm)

% Moisture: 11.5 | Level: (low/med) Low

Analysis Batch No.: 58567 | Units: ug/Kg

Number TICs Found: 0 | TIC Result Total: 0

CAS NO.	COMPOUND NAME	RT	RESULT	Q
	Tentatively Identified Compound		None	

TestAmerica Laboratories
Target Compound Quantitation Report

Data File:	\\Bufchrom\ChromData\HP5973F\20120406-10799.b\F7892.D		
Lims ID:	480-18068-D-11-A	Client ID:	RB-06 (6"-12"
Inject. Date:	07-Apr-2012 03:47:30	Dil. Factor:	1.0000
Sample Type:	Client		
Sample ID:	480-18068-D-11-A		
Misc. Info.:	480-0010799-016 =480-0010799-016		
Operator:	CDC	Instrument ID:	HP5973F
Vol. Injected:	1.0000	ALS Bottle#:	11
Lims Batch ID:	58567	Lims Sample ID:	16
Detector:	MS SCAN		
Method:	\\Bufchrom\ChromData\HP5973F\20120406-10799.b\F-8260 SOIL.m		
Last Update:	09-Apr-2012 11:48:11	Calib Date:	09-Mar-2012 18:10:30
Quant Method:	Internal Standard	Quant By:	Initial Calibration
Last ICal File:	\\Bufchrom\ChromData\HP5973F\20120309-10095.b\F7259.D		
Limit Group:	MV - 8260B ICAL		
Integrator:	RTE	ID Type:	Deconvolution ID
Process Host:	CORP-CTX-16		

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/kg	Flags
* 1 1,4-Difluorobenzene	114	5.714	5.714	0.0	93	468207	50.0	
* 2 Chlorobenzene-d5	82	8.494	8.494	0.0	83	195458	50.0	
* 3 1,4-Dichlorobenzene-d4	152	10.800	10.800	0.0	93	208352	50.0	
$ 4 1,2-Dichloroethane-d4 (Surr)	67	5.404	5.410	-0.006	98	72497	50.9	
$ 5 Toluene-d8 (Surr)	98	7.040	7.040	0.0	92	490106	53.1	
$ 6 4-Bromofluorobenzene (Surr)	174	9.705	9.705	0.0	89	149753	48.7	
10 Dichlorodifluoromethane	85		2.064					
12 Chloromethane	50		2.216					
13 Vinyl chloride	62		2.332					
14 Bromomethane	94		2.636					
15 Chloroethane	64		2.709					
17 Trichlorofluoromethane	101		2.934					
21 1,1,2-Trichloro-1,2,2-trifluoroe	101		3.311					
22 1,1-Dichloroethene	96		3.341					
23 Acetone	43		3.390					
26 Carbon disulfide	76		3.567					
27 Methyl acetate	43		3.615					
30 Methylene Chloride	84		3.737					
32 Methyl tert-butyl ether	73		3.895					
34 trans-1,2-Dichloroethene	96		3.932					
39 1,1-Dichloroethane	63		4.272					
43 2-Butanone (MEK)	43		4.716					
45 cis-1,2-Dichloroethene	96		4.729					
50 Chloroform	83		4.972					
51 1,1,1-Trichloroethane	97		5.124					
52 Cyclohexane	56		5.154					
55 Carbon tetrachloride	117		5.252					
57 Benzene	78		5.434					
58 1,2-Dichloroethane	62		5.471					
62 Trichloroethene	95		5.957					
64 Methylcyclohexane	83		6.097					
65 1,2-Dichloropropane	63		6.182					
68 Dichlorobromomethane	83		6.426					

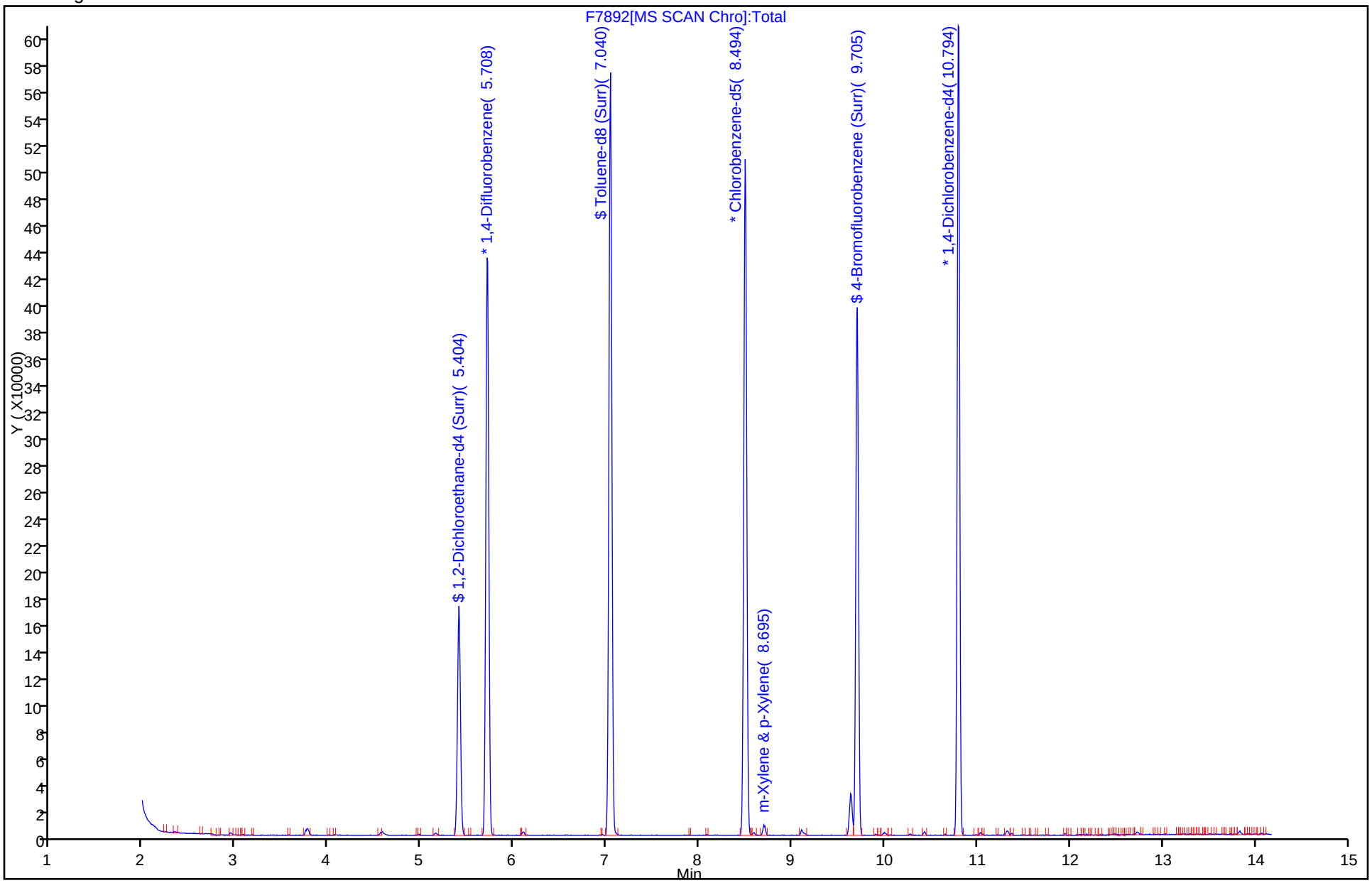
Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/kg	Flags
72 cis-1,3-Dichloropropene	75		6.809					
73 4-Methyl-2-pentanone (MIBK)	43		6.906					
74 Toluene	92		7.107					
77 trans-1,3-Dichloropropene	75		7.326					
79 1,1,2-Trichloroethane	83		7.527					
81 Tetrachloroethene	166		7.630					
80 2-Hexanone	43		7.697					
83 Chlorodibromomethane	129		7.941					
84 Ethylene Dibromide	107		8.074					
87 Chlorobenzene	112		8.525					
88 Ethylbenzene	91		8.585					
90 m-Xylene & p-Xylene	106	8.695	8.701	-0.006	39	4092	0.8161	
91 o-Xylene	106		9.133					
92 Styrene	104		9.157					
95 Bromoform	173		9.431					
94 Isopropylbenzene	105		9.492					
97 1,1,2,2-Tetrachloroethane	83		9.857					
111 1,3-Dichlorobenzene	146		10.739					
113 1,4-Dichlorobenzene	146		10.818					
116 1,2-Dichlorobenzene	146		11.159					
117 1,2-Dibromo-3-Chloropropane	75		11.834					
119 1,2,4-Trichlorobenzene	180		12.491					
S 124 Xylenes, Total	1				0		0.8161	

Report Date: 09-Apr-2012 11:48:21 Chrom Revision: 2.0 20-Feb-2012 13:27:02

Data File: \\Bufchrom\ChromData\HP5973F\20120406-10799.b\F7892.D

Injection Date:	07-Apr-2012 03:47:30	Limit Group:	MV - 8260B ICAL
Client ID:	RB-06 (6"-12"	Instrument ID:	HP5973F
Lims Batch ID:	58567	Lims Sample ID:	16
Operator ID:	CDC		
Column Type:	ZB-624	Column Dia:	0.25 mm

Y Scaling:

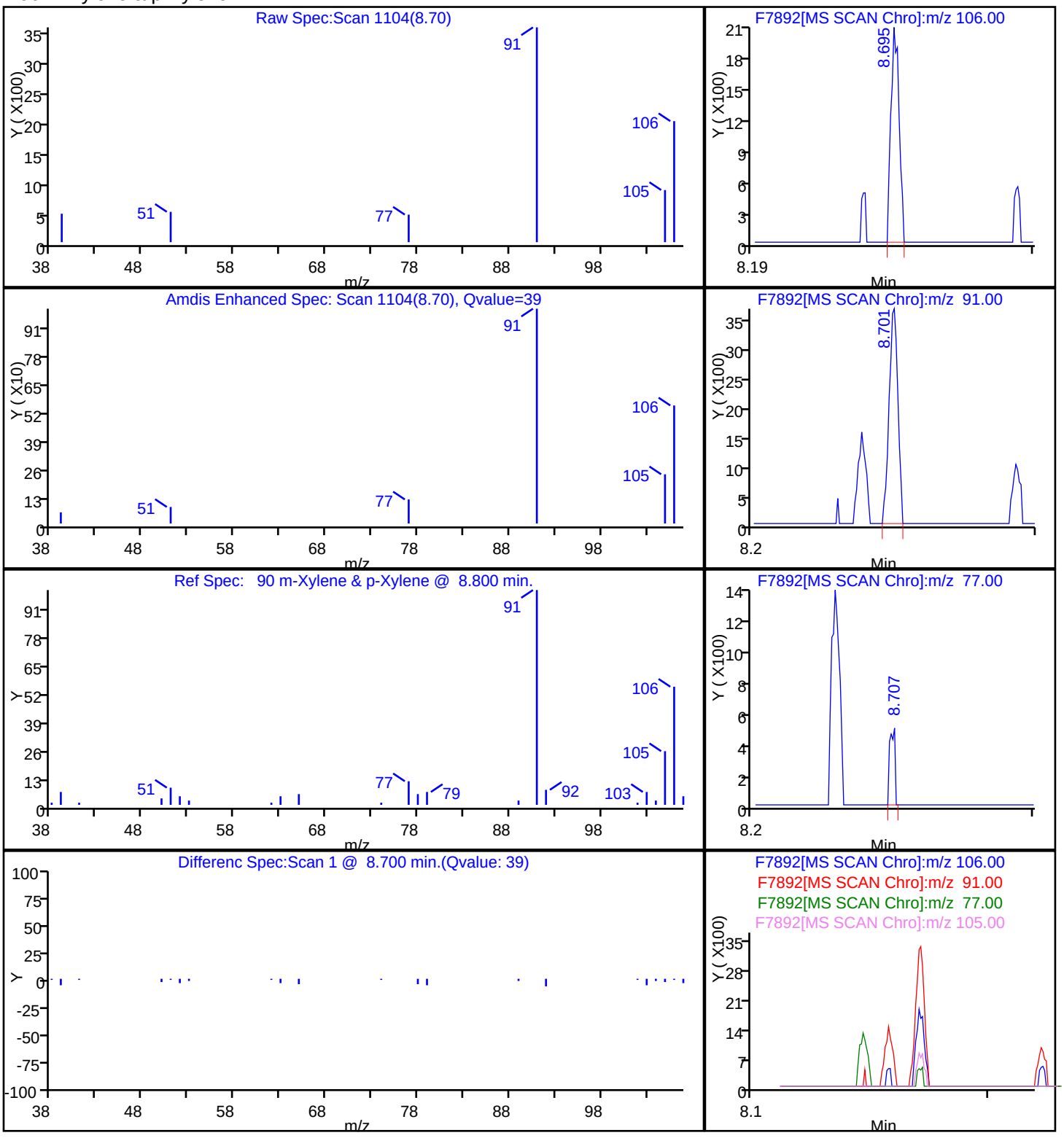


Report Date: 09-Apr-2012 11:48:21 Chrom Revision: 2.0 20-Feb-2012 13:27:02

Data File: \\Bufchrom\ChromData\HP5973F\20120406-10799.b\F7892.D

Injection Date:	07-Apr-2012 03:47:30	Limit Group:	MV - 8260B ICAL
Client ID:	RB-06 (6"-12"	Instrument ID:	HP5973F
Lims Batch ID:	58567	Lims Sample ID:	16
Operator ID:	CDC		
Column Type:	ZB-624	Column Dia:	0.25 mm

90 m-Xylene & p-Xylene



FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Buffalo | Job No.: 480-18068-1

SDG No.:

Client Sample ID: RB-06 (12"-24") | Lab Sample ID: 480-18068-12

Matrix: Solid | Lab File ID: F7893.D

Analysis Method: 8260B | Date Collected: 04/02/2012 16:35

Sample wt/vol: 4.36(g) | Date Analyzed: 04/07/2012 04:13

Soil Aliquot Vol: | Dilution Factor: 1

Soil Extract Vol.: | GC Column: ZB-624 (60) ID: 0.25(mm)

% Moisture: 11.1 | Level: (low/med) Low

Analysis Batch No.: 58567 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
71-55-6	1,1,1-Trichloroethane	ND		6.5	0.47
79-34-5	1,1,2,2-Tetrachloroethane	ND		6.5	1.0
79-00-5	1,1,2-Trichloroethane	ND		6.5	0.84
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	ND		6.5	1.5
75-34-3	1,1-Dichloroethane	ND		6.5	0.79
75-35-4	1,1-Dichloroethene	ND		6.5	0.79
120-82-1	1,2,4-Trichlorobenzene	ND		6.5	0.39
96-12-8	1,2-Dibromo-3-Chloropropane	ND		6.5	3.2
106-93-4	1,2-Dibromoethane	ND		6.5	0.83
95-50-1	1,2-Dichlorobenzene	ND		6.5	0.50
107-06-2	1,2-Dichloroethane	ND		6.5	0.32
78-87-5	1,2-Dichloropropane	ND		6.5	3.2
541-73-1	1,3-Dichlorobenzene	ND		6.5	0.33
106-46-7	1,4-Dichlorobenzene	ND		6.5	0.90
591-78-6	2-Hexanone	ND		32	3.2
78-93-3	2-Butanone (MEK)	ND		32	2.4
108-10-1	4-Methyl-2-pentanone (MIBK)	ND		32	2.1
67-64-1	Acetone	ND		32	5.4
71-43-2	Benzene	ND		6.5	0.32
75-27-4	Bromodichloromethane	ND		6.5	0.86
75-25-2	Bromoform	ND		6.5	3.2
74-83-9	Bromomethane	ND		6.5	0.58
75-15-0	Carbon disulfide	ND		6.5	3.2
56-23-5	Carbon tetrachloride	ND		6.5	0.62
108-90-7	Chlorobenzene	ND		6.5	0.85
124-48-1	Dibromochloromethane	ND		6.5	0.83
75-00-3	Chloroethane	ND		6.5	1.5
67-66-3	Chloroform	ND		6.5	0.40
74-87-3	Chloromethane	ND		6.5	0.39
156-59-2	cis-1,2-Dichloroethene	ND		6.5	0.83
10061-01-5	cis-1,3-Dichloropropene	ND		6.5	0.93
110-82-7	Cyclohexane	ND		6.5	0.90
75-71-8	Dichlorodifluoromethane	ND		6.5	0.53
100-41-4	Ethylbenzene	ND		6.5	0.45
98-82-8	Isopropylbenzene	ND		6.5	0.97

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Buffalo | Job No.: 480-18068-1

SDG No.:

Client Sample ID: RB-06 (12"-24") | Lab Sample ID: 480-18068-12

Matrix: Solid | Lab File ID: F7893.D

Analysis Method: 8260B | Date Collected: 04/02/2012 16:35

Sample wt/vol: 4.36(g) | Date Analyzed: 04/07/2012 04:13

Soil Aliquot Vol: | Dilution Factor: 1

Soil Extract Vol.: | GC Column: ZB-624 (60) ID: 0.25(mm)

% Moisture: 11.1 | Level: (low/med) Low

Analysis Batch No.: 58567 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
79-20-9	Methyl acetate	ND		6.5	1.2
1634-04-4	Methyl tert-butyl ether	ND		6.5	0.63
108-87-2	Methylcyclohexane	ND		6.5	0.98
75-09-2	Methylene Chloride	ND		6.5	3.0
100-42-5	Styrene	ND		6.5	0.32
127-18-4	Tetrachloroethene	ND		6.5	0.87
108-88-3	Toluene	ND		6.5	0.49
156-60-5	trans-1,2-Dichloroethene	ND		6.5	0.67
10061-02-6	trans-1,3-Dichloropropene	ND		6.5	2.8
79-01-6	Trichloroethene	ND		6.5	1.4
75-69-4	Trichlorofluoromethane	ND		6.5	0.61
75-01-4	Vinyl chloride	ND		6.5	0.79
1330-20-7	Xylenes, Total	ND		13	1.1

CAS NO.	SURROGATE	%REC	Q	LIMITS
17060-07-0	1,2-Dichloroethane-d4 (Surr)	102		64-126
2037-26-5	Toluene-d8 (Surr)	104		71-125
460-00-4	4-Bromofluorobenzene (Surr)	96		72-126

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

Lab Name: TestAmerica Buffalo | Job No.: 480-18068-1

SDG No.:

Client Sample ID: RB-06 (12"-24") | Lab Sample ID: 480-18068-12

Matrix: Solid | Lab File ID: F7893.D

Analysis Method: 8260B | Date Collected: 04/02/2012 16:35

Sample wt/vol: 4.36(g) | Date Analyzed: 04/07/2012 04:13

Soil Aliquot Vol: | Dilution Factor: 1

Soil Extract Vol.: | GC Column: ZB-624 (60) ID: 0.25(mm)

% Moisture: 11.1 | Level: (low/med) Low

Analysis Batch No.: 58567 | Units: ug/Kg

Number TICs Found: 0 | TIC Result Total: 0

CAS NO.	COMPOUND NAME	RT	RESULT	Q
	Tentatively Identified Compound		None	

TestAmerica Laboratories
Target Compound Quantitation Report

Data File: \\Bufchrom\ChromData\HP5973F\20120406-10799.b\F7893.D
Lims ID: 480-18068-D-12-A
Client ID: RB-06 (12"-24")
Inject. Date: 07-Apr-2012 04:13:30
Dil. Factor: 1.0000
Sample Type: Client
Sample ID: 480-18068-D-12-A
Misc. Info.: 480-0010799-017 =480-0010799-017
Operator: CDC
Instrument ID: HP5973F
Vol. Injected: 1.0000
ALS Bottle#: 12
Lims Batch ID: 58567
Lims Sample ID: 17
Detector: MS SCAN

Method: \\Bufchrom\ChromData\HP5973F\20120406-10799.b\F-8260 SOIL.m
Last Update: 09-Apr-2012 11:48:11
Calib Date: 09-Mar-2012 18:10:30
Quant Method: Internal Standard
Quant By: Initial Calibration
Last ICal File: \\Bufchrom\ChromData\HP5973F\20120309-10095.b\F7259.D
Limit Group: MV - 8260B ICAL
Integrator: RTE
ID Type: Deconvolution ID
Process Host: CORP-CTX-16

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/kg	Flags
* 1 1,4-Difluorobenzene	114	5.714	5.714	0.0	93	441434	50.0	
* 2 Chlorobenzene-d5	82	8.494	8.494	0.0	82	187032	50.0	
* 3 1,4-Dichlorobenzene-d4	152	10.800	10.800	0.0	94	195852	50.0	
$ 4 1,2-Dichloroethane-d4 (Surr)	67	5.410	5.410	0.0	98	68219	50.9	
$ 5 Toluene-d8 (Surr)	98	7.040	7.040	0.0	92	457781	51.8	
$ 6 4-Bromofluorobenzene (Surr)	174	9.705	9.705	0.0	89	140953	47.9	
10 Dichlorodifluoromethane	85		2.064					
12 Chloromethane	50		2.216					
13 Vinyl chloride	62		2.332					
14 Bromomethane	94		2.636					
15 Chloroethane	64		2.709					
17 Trichlorofluoromethane	101		2.934					
21 1,1,2-Trichloro-1,2,2-trifluoroe	101		3.311					
22 1,1-Dichloroethene	96		3.341					
23 Acetone	43		3.390					
26 Carbon disulfide	76		3.567					
27 Methyl acetate	43		3.615					
30 Methylene Chloride	84		3.737					
32 Methyl tert-butyl ether	73		3.895					
34 trans-1,2-Dichloroethene	96		3.932					
39 1,1-Dichloroethane	63		4.272					
43 2-Butanone (MEK)	43		4.716					
45 cis-1,2-Dichloroethene	96		4.729					
50 Chloroform	83		4.972					
51 1,1,1-Trichloroethane	97		5.124					
52 Cyclohexane	56		5.154					
55 Carbon tetrachloride	117		5.252					
57 Benzene	78		5.434					
58 1,2-Dichloroethane	62		5.471					
62 Trichloroethene	95		5.957					
64 Methylcyclohexane	83		6.097					
65 1,2-Dichloropropane	63		6.182					
68 Dichlorobromomethane	83		6.426					

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/kg	Flags
72 cis-1,3-Dichloropropene	75		6.809					
73 4-Methyl-2-pentanone (MIBK)	43		6.906					
74 Toluene	92		7.107					
77 trans-1,3-Dichloropropene	75		7.326					
79 1,1,2-Trichloroethane	83		7.527					
81 Tetrachloroethene	166		7.630					
80 2-Hexanone	43		7.697					
83 Chlorodibromomethane	129		7.941					
84 Ethylene Dibromide	107		8.074					
87 Chlorobenzene	112		8.525					
88 Ethylbenzene	91		8.585					
90 m-Xylene & p-Xylene	106		8.701					
91 o-Xylene	106		9.133					
92 Styrene	104		9.157					
95 Bromoform	173		9.431					
94 Isopropylbenzene	105		9.492					
97 1,1,2,2-Tetrachloroethane	83		9.857					
111 1,3-Dichlorobenzene	146		10.739					
113 1,4-Dichlorobenzene	146		10.818					
116 1,2-Dichlorobenzene	146		11.159					
117 1,2-Dibromo-3-Chloropropane	75		11.834					
119 1,2,4-Trichlorobenzene	180		12.491					
S 124 Xylenes, Total	1		30.000					7

QC Flag Legend

Processing Flags
7 - Failed Limit of Detection

TestAmerica Laboratories
Tentatively Identified Quantitation Report

Data File:	\\Bufchrom\ChromData\HP5973F\20120406-10799.b\F7893.D		
Lims ID:	480-18068-D-12-A	Client ID:	RB-06 (12"-24")
Inject. Date:	07-Apr-2012 04:13:30	Dil. Factor:	1.0000
Sample Type:	Client		
Sample ID:	480-18068-D-12-A		
Misc. Info.:	480-0010799-017 =480-0010799-017		
Operator:	CDC	Instrument ID:	HP5973F
Vol. Injected:	1.0000	ALS Bottle#:	12
Lims Batch ID:	58567	Lims Sample ID:	17
Detector:	MS SCAN		
Method:	\\Bufchrom\ChromData\HP5973F\20120406-10799.b\F-8260 SOIL.m		
Last Update:	09-Apr-2012 11:48:11	Calib Date:	09-Mar-2012 18:10:30
Tic RT Window:	1.500 -0.000	Response:	area
Quant By:	Nearest ISTD	Quant LOD:	10.00000
MS Library:	\\Bufchrom\ChromData\Database\NIST98.L		
Min. Match:	85		
Process Host:	CORP-CTX-16		

Calibrated Tentative Identified Compound Results

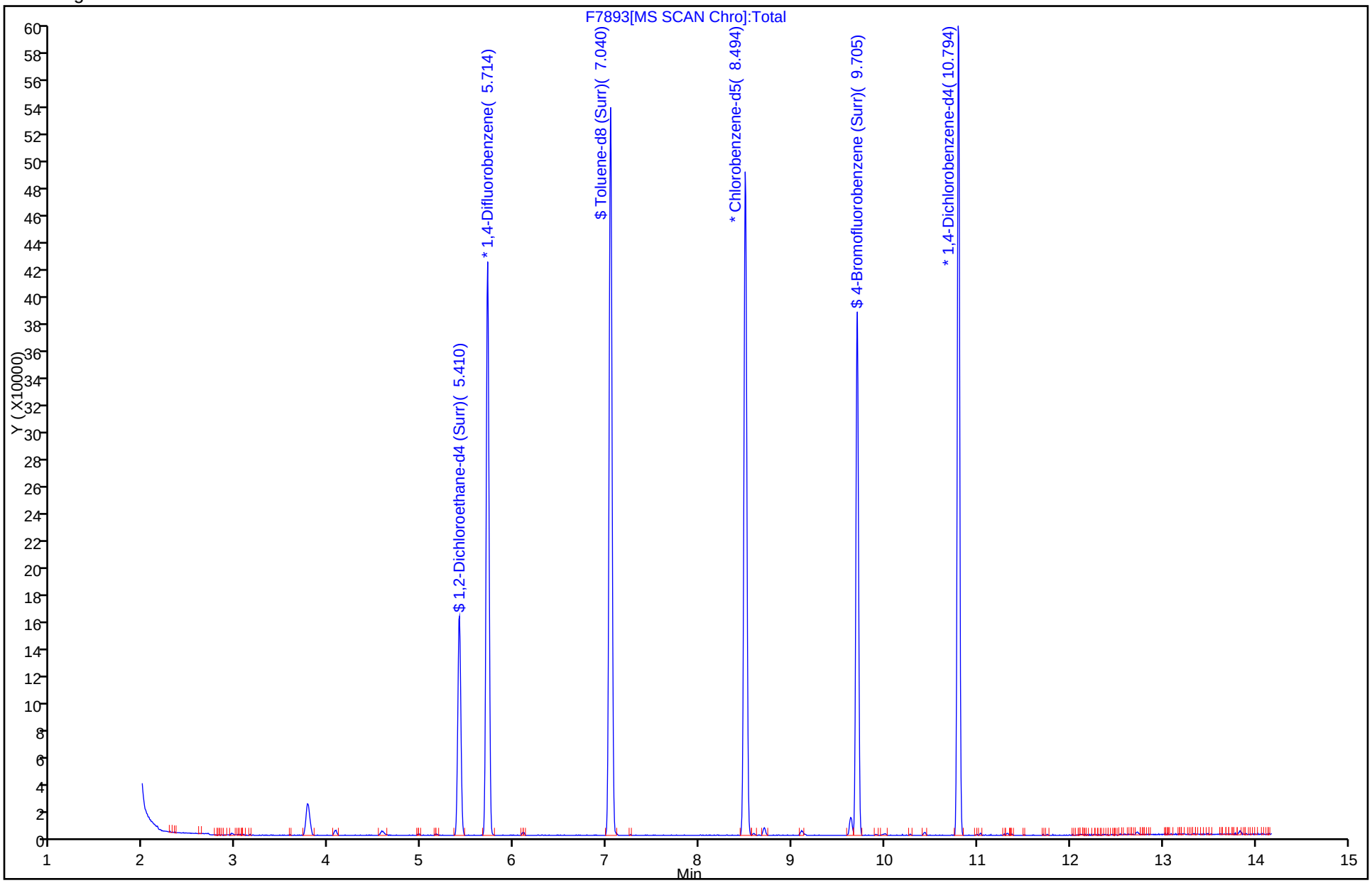
Compound	RT	Response	Amount ug/kg	Flags
Hexane	4.071	2792	0.7239	

Report Date: 09-Apr-2012 11:48:20 Chrom Revision: 2.0 20-Feb-2012 13:27:02

Data File: \\Bufchrom\ChromData\HP5973F\20120406-10799.b\F7893.D

Injection Date:	07-Apr-2012 04:13:30	Limit Group:	MV - 8260B ICAL
Client ID:	RB-06 (12"-24")	Instrument ID:	HP5973F
Lims Batch ID:	58567	Lims Sample ID:	17
Operator ID:	CDC		
Column Type:	ZB-624	Column Dia:	0.25 mm

Y Scaling:



FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Buffalo | Job No.: 480-18068-1

SDG No.:

Client Sample ID: SB-A1 (15'-15'8") | Lab Sample ID: 480-18068-13

Matrix: Solid | Lab File ID: F7894.D

Analysis Method: 8260B | Date Collected: 04/03/2012 09:05

Sample wt/vol: 4.28(g) | Date Analyzed: 04/07/2012 04:38

Soil Aliquot Vol: | Dilution Factor: 1

Soil Extract Vol.: | GC Column: ZB-624 (60) ID: 0.25(mm)

% Moisture: 17.4 | Level: (low/med) Low

Analysis Batch No.: 58567 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
71-55-6	1,1,1-Trichloroethane	ND		7.1	0.51
79-34-5	1,1,2,2-Tetrachloroethane	ND		7.1	1.1
79-00-5	1,1,2-Trichloroethane	ND		7.1	0.92
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	ND		7.1	1.6
75-34-3	1,1-Dichloroethane	ND		7.1	0.86
75-35-4	1,1-Dichloroethene	ND		7.1	0.87
120-82-1	1,2,4-Trichlorobenzene	ND		7.1	0.43
96-12-8	1,2-Dibromo-3-Chloropropane	ND		7.1	3.5
106-93-4	1,2-Dibromoethane	ND		7.1	0.91
95-50-1	1,2-Dichlorobenzene	ND		7.1	0.55
107-06-2	1,2-Dichloroethane	ND		7.1	0.35
78-87-5	1,2-Dichloropropane	ND		7.1	3.5
541-73-1	1,3-Dichlorobenzene	ND		7.1	0.36
106-46-7	1,4-Dichlorobenzene	ND		7.1	0.99
591-78-6	2-Hexanone	ND		35	3.5
78-93-3	2-Butanone (MEK)	ND		35	2.6
108-10-1	4-Methyl-2-pentanone (MIBK)	ND		35	2.3
67-64-1	Acetone	ND		35	6.0
71-43-2	Benzene	ND		7.1	0.35
75-27-4	Bromodichloromethane	ND		7.1	0.95
75-25-2	Bromoform	ND		7.1	3.5
74-83-9	Bromomethane	ND		7.1	0.64
75-15-0	Carbon disulfide	ND		7.1	3.5
56-23-5	Carbon tetrachloride	ND		7.1	0.68
108-90-7	Chlorobenzene	ND		7.1	0.93
124-48-1	Dibromochloromethane	ND		7.1	0.90
75-00-3	Chloroethane	ND		7.1	1.6
67-66-3	Chloroform	ND		7.1	0.44
74-87-3	Chloromethane	ND		7.1	0.43
156-59-2	cis-1,2-Dichloroethene	ND		7.1	0.90
10061-01-5	cis-1,3-Dichloropropene	ND		7.1	1.0
110-82-7	Cyclohexane	ND		7.1	0.99
75-71-8	Dichlorodifluoromethane	ND		7.1	0.58
100-41-4	Ethylbenzene	ND		7.1	0.49
98-82-8	Isopropylbenzene	ND		7.1	1.1

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Buffalo | Job No.: 480-18068-1

SDG No.:

Client Sample ID: SB-A1 (15'-15'8") | Lab Sample ID: 480-18068-13

Matrix: Solid | Lab File ID: F7894.D

Analysis Method: 8260B | Date Collected: 04/03/2012 09:05

Sample wt/vol: 4.28(g) | Date Analyzed: 04/07/2012 04:38

Soil Aliquot Vol: | Dilution Factor: 1

Soil Extract Vol.: | GC Column: ZB-624 (60) ID: 0.25(mm)

% Moisture: 17.4 | Level: (low/med) Low

Analysis Batch No.: 58567 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
79-20-9	Methyl acetate	ND		7.1	1.3
1634-04-4	Methyl tert-butyl ether	ND		7.1	0.69
108-87-2	Methylcyclohexane	ND		7.1	1.1
75-09-2	Methylene Chloride	ND		7.1	3.3
100-42-5	Styrene	ND		7.1	0.35
127-18-4	Tetrachloroethene	ND		7.1	0.95
108-88-3	Toluene	ND		7.1	0.53
156-60-5	trans-1,2-Dichloroethene	ND		7.1	0.73
10061-02-6	trans-1,3-Dichloropropene	ND		7.1	3.1
79-01-6	Trichloroethene	3.7	J	7.1	1.6
75-69-4	Trichlorofluoromethane	ND		7.1	0.67
75-01-4	Vinyl chloride	ND		7.1	0.86
1330-20-7	Xylenes, Total	ND		14	1.2

CAS NO.	SURROGATE	%REC	Q	LIMITS
17060-07-0	1,2-Dichloroethane-d4 (Surr)	101		64-126
2037-26-5	Toluene-d8 (Surr)	107		71-125
460-00-4	4-Bromofluorobenzene (Surr)	91		72-126

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

Lab Name: TestAmerica Buffalo | Job No.: 480-18068-1

SDG No.:

Client Sample ID: SB-A1 (15'-15'8") | Lab Sample ID: 480-18068-13

Matrix: Solid | Lab File ID: F7894.D

Analysis Method: 8260B | Date Collected: 04/03/2012 09:05

Sample wt/vol: 4.28(g) | Date Analyzed: 04/07/2012 04:38

Soil Aliquot Vol: | Dilution Factor: 1

Soil Extract Vol.: | GC Column: ZB-624 (60) ID: 0.25(mm)

% Moisture: 17.4 | Level: (low/med) Low

Analysis Batch No.: 58567 | Units: ug/Kg

Number TICs Found: 0 | TIC Result Total: 0

CAS NO.	COMPOUND NAME	RT	RESULT	Q
	Tentatively Identified Compound		None	

TestAmerica Laboratories
Target Compound Quantitation Report

Data File:	\\Bufchrom\ChromData\HP5973F\20120406-10799.b\F7894.D		
Lims ID:	480-18068-B-13-A	Client ID:	SB-A1 (15'-15'8")
Inject. Date:	07-Apr-2012 04:38:30	Dil. Factor:	1.0000
Sample Type:	Client		
Sample ID:	480-18068-B-13-A		
Misc. Info.:	480-0010799-018 =480-0010799-018		
Operator:	CDC	Instrument ID:	HP5973F
Vol. Injected:	1.0000	ALS Bottle#:	13
Lims Batch ID:	58567	Lims Sample ID:	18
Detector:	MS SCAN		
Method:	\\Bufchrom\ChromData\HP5973F\20120406-10799.b\F-8260 SOIL.m		
Last Update:	09-Apr-2012 11:48:11	Calib Date:	09-Mar-2012 18:10:30
Quant Method:	Internal Standard	Quant By:	Initial Calibration
Last ICal File:	\\Bufchrom\ChromData\HP5973F\20120309-10095.b\F7259.D		
Limit Group:	MV - 8260B ICAL		
Integrator:	RTE	ID Type:	Deconvolution ID
Process Host:	CORP-CTX-16		
First Level Reviewer: ByrnesJ		Date:	09-Apr-2012 11:23:57

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/kg	Flags
* 1 1,4-Difluorobenzene	114	5.708	5.714	-0.006	93	468174	50.0	
* 2 Chlorobenzene-d5	82	8.494	8.494	0.0	82	195134	50.0	
* 3 1,4-Dichlorobenzene-d4	152	10.800	10.800	0.0	93	179774	50.0	
$ 4 1,2-Dichloroethane-d4 (Surr)	67	5.404	5.410	-0.006	98	71906	50.5	
$ 5 Toluene-d8 (Surr)	98	7.040	7.040	0.0	91	494866	53.7	
$ 6 4-Bromofluorobenzene (Surr)	174	9.705	9.705	0.0	88	138829	45.3	
10 Dichlorodifluoromethane	85		2.064					
12 Chloromethane	50		2.216					
13 Vinyl chloride	62		2.332					
14 Bromomethane	94		2.636					
15 Chloroethane	64		2.709					
17 Trichlorofluoromethane	101		2.934					
21 1,1,2-Trichloro-1,2,2-trifluoroe	101		3.311					
22 1,1-Dichloroethene	96		3.341					
23 Acetone	43	3.390	3.390	0.0	65	3524	3.48	
26 Carbon disulfide	76		3.567					
27 Methyl acetate	43		3.615					
30 Methylene Chloride	84		3.737					
32 Methyl tert-butyl ether	73		3.895					
34 trans-1,2-Dichloroethene	96		3.932					
39 1,1-Dichloroethane	63		4.272					
43 2-Butanone (MEK)	43		4.716					
45 cis-1,2-Dichloroethene	96		4.729					
50 Chloroform	83		4.972					
51 1,1,1-Trichloroethane	97		5.124					
52 Cyclohexane	56		5.154					
55 Carbon tetrachloride	117		5.252					
57 Benzene	78		5.434					
58 1,2-Dichloroethane	62		5.471					
62 Trichloroethene	95	5.957	5.957	0.0	66	7086	2.63	
64 Methylcyclohexane	83		6.097					

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/kg	Flags
65 1,2-Dichloropropane	63		6.182					
68 Dichlorobromomethane	83		6.426					
72 cis-1,3-Dichloropropene	75		6.809					
73 4-Methyl-2-pentanone (MIBK)	43		6.906					
74 Toluene	92		7.107					
77 trans-1,3-Dichloropropene	75		7.326					
79 1,1,2-Trichloroethane	83		7.527					
81 Tetrachloroethene	166		7.630					
80 2-Hexanone	43		7.697					
83 Chlorodibromomethane	129		7.941					
84 Ethylene Dibromide	107		8.074					
87 Chlorobenzene	112		8.525					
88 Ethylbenzene	91		8.585					
90 m-Xylene & p-Xylene	106	8.701	8.701	0.0	37	3554	0.7100	
91 o-Xylene	106		9.133					
92 Styrene	104		9.157					
95 Bromoform	173		9.431					
94 Isopropylbenzene	105		9.492					
97 1,1,2,2-Tetrachloroethane	83		9.857					
111 1,3-Dichlorobenzene	146		10.739					
113 1,4-Dichlorobenzene	146		10.818					
116 1,2-Dichlorobenzene	146		11.159					
117 1,2-Dibromo-3-Chloropropane	75		11.834					
119 1,2,4-Trichlorobenzene	180		12.491					
S 124 Xylenes, Total	1				0		0.7100	

TestAmerica Laboratories
Tentatively Identified Quantitation Report

Data File:	\\Bufchrom\ChromData\HP5973F\20120406-10799.b\F7894.D		
Lims ID:	480-18068-B-13-A	Client ID:	SB-A1 (15'-15'8")
Inject. Date:	07-Apr-2012 04:38:30	Dil. Factor:	1.0000
Sample Type:	Client		
Sample ID:	480-18068-B-13-A		
Misc. Info.:	480-0010799-018 =480-0010799-018		
Operator:	CDC	Instrument ID:	HP5973F
Vol. Injected:	1.0000	ALS Bottle#:	13
Lims Batch ID:	58567	Lims Sample ID:	18
Detector:	MS SCAN		
Method:	\\Bufchrom\ChromData\HP5973F\20120406-10799.b\F-8260 SOIL.m		
Last Update:	09-Apr-2012 11:48:11	Calib Date:	09-Mar-2012 18:10:30
Tic RT Window:	1.500 -0.000	Response:	area
Quant By:	Nearest ISTD	Quant LOD:	10.00000
MS Library:	\\Bufchrom\ChromData\Database\NIST98.L		
Min. Match:	85		
Process Host:	CORP-CTX-16		

First Level Reviewer: ByrnesJ Date: 09-Apr-2012 11:23:57

Calibrated Tentative Identified Compound Results

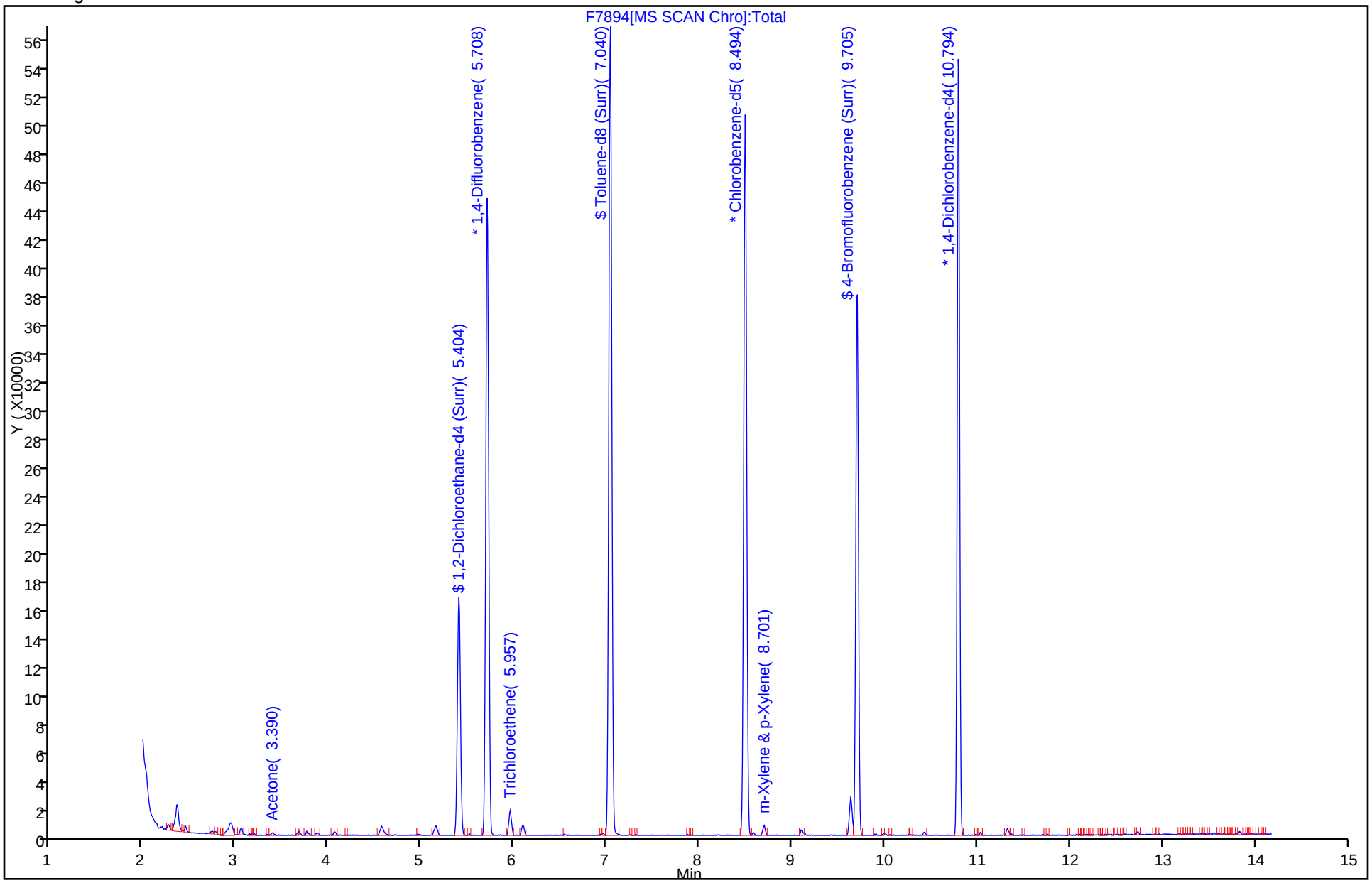
Compound	RT	Response	Amount ug/kg	Flags
Hexane	4.065	1730	0.4230	

Report Date: 09-Apr-2012 11:48:20 Chrom Revision: 2.0 20-Feb-2012 13:27:02

Data File: \\Bufchrom\ChromData\HP5973F\20120406-10799.b\F7894.D

Injection Date:	07-Apr-2012 04:38:30	Limit Group:	MV - 8260B ICAL
Client ID:	SB-A1 (15'-15'8")	Instrument ID:	HP5973F
Lims Batch ID:	58567	Lims Sample ID:	18
Operator ID:	CDC		
Column Type:	ZB-624	Column Dia:	0.25 mm

Y Scaling:

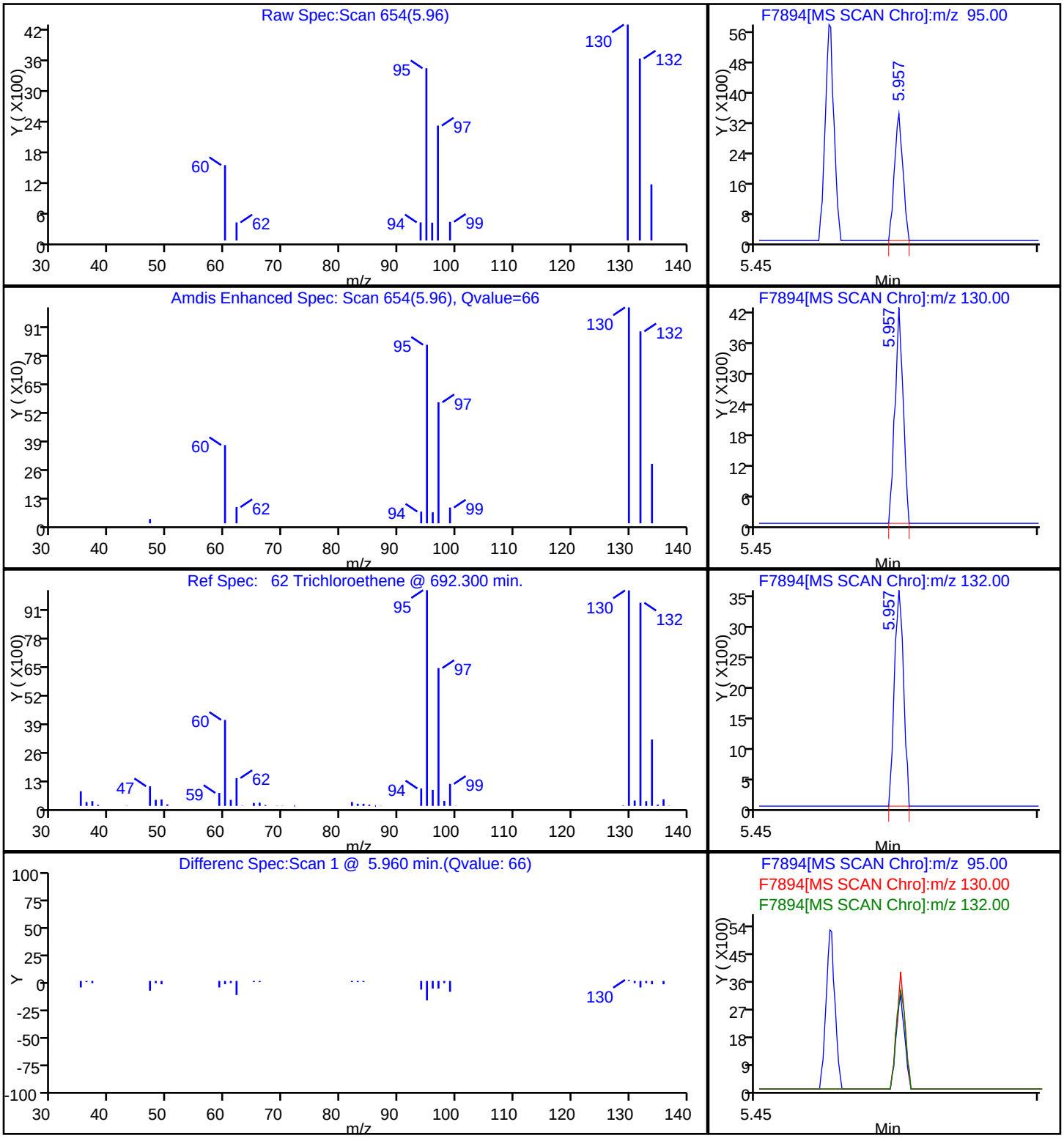


Report Date: 09-Apr-2012 11:48:20 Chrom Revision: 2.0 20-Feb-2012 13:27:02

Data File: \\Bufchrom\ChromData\HP5973F\20120406-10799.b\F7894.D

Injection Date:	07-Apr-2012 04:38:30	Limit Group:	MV - 8260B ICAL
Client ID:	SB-A1 (15'-15'8")	Instrument ID:	HP5973F
Lims Batch ID:	58567	Lims Sample ID:	18
Operator ID:	CDC		
Column Type:	ZB-624	Column Dia:	0.25 mm

62 Trichloroethene



FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Buffalo | Job No.: 480-18068-1

SDG No.:

Client Sample ID: SB-A2 (10'-11') | Lab Sample ID: 480-18068-14

Matrix: Solid | Lab File ID: F7895.D

Analysis Method: 8260B | Date Collected: 04/03/2012 09:58

Sample wt/vol: 4.86(g) | Date Analyzed: 04/07/2012 05:03

Soil Aliquot Vol: | Dilution Factor: 1

Soil Extract Vol.: | GC Column: ZB-624 (60) ID: 0.25(mm)

% Moisture: 8.1 | Level: (low/med) Low

Analysis Batch No.: 58567 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
71-55-6	1,1,1-Trichloroethane	ND		5.6	0.41
79-34-5	1,1,2,2-Tetrachloroethane	ND		5.6	0.91
79-00-5	1,1,2-Trichloroethane	ND		5.6	0.73
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	ND		5.6	1.3
75-34-3	1,1-Dichloroethane	ND		5.6	0.68
75-35-4	1,1-Dichloroethene	ND		5.6	0.69
120-82-1	1,2,4-Trichlorobenzene	ND		5.6	0.34
96-12-8	1,2-Dibromo-3-Chloropropane	ND		5.6	2.8
106-93-4	1,2-Dibromoethane	ND		5.6	0.72
95-50-1	1,2-Dichlorobenzene	ND		5.6	0.44
107-06-2	1,2-Dichloroethane	ND		5.6	0.28
78-87-5	1,2-Dichloropropane	ND		5.6	2.8
541-73-1	1,3-Dichlorobenzene	ND		5.6	0.29
106-46-7	1,4-Dichlorobenzene	ND		5.6	0.78
591-78-6	2-Hexanone	ND		28	2.8
78-93-3	2-Butanone (MEK)	2.8	J	28	2.0
108-10-1	4-Methyl-2-pentanone (MIBK)	ND		28	1.8
67-64-1	Acetone	12	J	28	4.7
71-43-2	Benzene	ND		5.6	0.27
75-27-4	Bromodichloromethane	ND		5.6	0.75
75-25-2	Bromoform	ND		5.6	2.8
74-83-9	Bromomethane	ND		5.6	0.50
75-15-0	Carbon disulfide	ND		5.6	2.8
56-23-5	Carbon tetrachloride	ND		5.6	0.54
108-90-7	Chlorobenzene	ND		5.6	0.74
124-48-1	Dibromochloromethane	ND		5.6	0.72
75-00-3	Chloroethane	ND		5.6	1.3
67-66-3	Chloroform	ND		5.6	0.35
74-87-3	Chloromethane	ND		5.6	0.34
156-59-2	cis-1,2-Dichloroethene	ND		5.6	0.72
10061-01-5	cis-1,3-Dichloropropene	ND		5.6	0.81
110-82-7	Cyclohexane	ND		5.6	0.78
75-71-8	Dichlorodifluoromethane	ND		5.6	0.46
100-41-4	Ethylbenzene	ND		5.6	0.39
98-82-8	Isopropylbenzene	ND		5.6	0.84

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Buffalo | Job No.: 480-18068-1

SDG No.:

Client Sample ID: SB-A2 (10'-11') | Lab Sample ID: 480-18068-14

Matrix: Solid | Lab File ID: F7895.D

Analysis Method: 8260B | Date Collected: 04/03/2012 09:58

Sample wt/vol: 4.86(g) | Date Analyzed: 04/07/2012 05:03

Soil Aliquot Vol: | Dilution Factor: 1

Soil Extract Vol.: | GC Column: ZB-624 (60) ID: 0.25(mm)

% Moisture: 8.1 | Level: (low/med) Low

Analysis Batch No.: 58567 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
79-20-9	Methyl acetate	ND		5.6	1.0
1634-04-4	Methyl tert-butyl ether	ND		5.6	0.55
108-87-2	Methylcyclohexane	ND		5.6	0.85
75-09-2	Methylene Chloride	ND		5.6	2.6
100-42-5	Styrene	ND		5.6	0.28
127-18-4	Tetrachloroethene	ND		5.6	0.75
108-88-3	Toluene	0.65	J	5.6	0.42
156-60-5	trans-1,2-Dichloroethene	ND		5.6	0.58
10061-02-6	trans-1,3-Dichloropropene	ND		5.6	2.5
79-01-6	Trichloroethene	ND		5.6	1.2
75-69-4	Trichlorofluoromethane	ND		5.6	0.53
75-01-4	Vinyl chloride	ND		5.6	0.68
1330-20-7	Xylenes, Total	ND		11	0.94

CAS NO.	SURROGATE	%REC	Q	LIMITS
17060-07-0	1,2-Dichloroethane-d4 (Surr)	102		64-126
2037-26-5	Toluene-d8 (Surr)	106		71-125
460-00-4	4-Bromofluorobenzene (Surr)	96		72-126

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

Lab Name: TestAmerica Buffalo | Job No.: 480-18068-1

SDG No.:

Client Sample ID: SB-A2 (10'-11') | Lab Sample ID: 480-18068-14

Matrix: Solid | Lab File ID: F7895.D

Analysis Method: 8260B | Date Collected: 04/03/2012 09:58

Sample wt/vol: 4.86(g) | Date Analyzed: 04/07/2012 05:03

Soil Aliquot Vol: | Dilution Factor: 1

Soil Extract Vol.: | GC Column: ZB-624 (60) ID: 0.25(mm)

% Moisture: 8.1 | Level: (low/med) Low

Analysis Batch No.: 58567 | Units: ug/Kg

Number TICs Found: 10 | TIC Result Total: 161.4

CAS NO.	COMPOUND NAME	RT	RESULT	Q
	Unknown	2.03	28	T J
	Unknown	2.36	19	T J
78-78-4	Butane, 2-methyl-	2.78	16	T J N
109-66-0	Pentane	2.95	20	T J N
107-83-5	Pentane, 2-methyl-	3.68	21	T J N
96-14-0	Pentane, 3-methyl-	3.88	14	T J N
110-54-3	Hexane	4.07	14	J
	Unknown	5.02	6.4	T J
	Unknown	5.17	11	T J
66-25-1	Hexanal	7.81	12	T J N

TestAmerica Laboratories
Target Compound Quantitation Report

Data File: \\Bufchrom\ChromData\HP5973F\20120406-10799.b\F7895.D
Lims ID: 480-18068-B-14-A
Client ID: SB-A2 (10'-11')
Inject. Date: 07-Apr-2012 05:03:30
Dil. Factor: 1.0000
Sample Type: Client
Sample ID: 480-18068-B-14-A
Misc. Info.: 480-0010799-019 =480-0010799-019
Operator: CDC
Instrument ID: HP5973F
Vol. Injected: 1.0000
ALS Bottle#: 14
Lims Batch ID: 58567
Lims Sample ID: 19
Detector: MS SCAN

Method: \\Bufchrom\ChromData\HP5973F\20120406-10799.b\F-8260 SOIL.m
Last Update: 09-Apr-2012 11:48:11
Calib Date: 09-Mar-2012 18:10:30
Quant Method: Internal Standard
Quant By: Initial Calibration
Last ICal File: \\Bufchrom\ChromData\HP5973F\20120309-10095.b\F7259.D
Limit Group: MV - 8260B ICAL
Integrator: RTE
ID Type: Deconvolution ID
Process Host: CORP-CTX-16

First Level Reviewer: ByrnesJ
Date: 09-Apr-2012 11:25:28

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/kg	Flags
* 1 1,4-Difluorobenzene	114	5.714	5.714	0.0	93	473997	50.0	
* 2 Chlorobenzene-d5	82	8.494	8.494	0.0	84	199940	50.0	
* 3 1,4-Dichlorobenzene-d4	152	10.800	10.800	0.0	93	208947	50.0	
$ 4 1,2-Dichloroethane-d4 (Surr)	67	5.410	5.410	0.0	98	73508	51.0	
$ 5 Toluene-d8 (Surr)	98	7.040	7.040	0.0	92	500280	53.0	
$ 6 4-Bromofluorobenzene (Surr)	174	9.705	9.705	0.0	88	151556	48.2	
10 Dichlorodifluoromethane	85		2.064					
12 Chloromethane	50		2.216					
13 Vinyl chloride	62		2.332					
14 Bromomethane	94		2.636					
15 Chloroethane	64		2.709					
17 Trichlorofluoromethane	101		2.934					
21 1,1,2-Trichloro-1,2,2-trifluoroe	101		3.311					
22 1,1-Dichloroethene	96		3.341					
23 Acetone	43	3.396	3.390	0.006	66	10905	10.6	
26 Carbon disulfide	76		3.567					
27 Methyl acetate	43		3.615					
30 Methylene Chloride	84		3.737					
32 Methyl tert-butyl ether	73		3.895					
34 trans-1,2-Dichloroethene	96		3.932					
39 1,1-Dichloroethane	63		4.272					
43 2-Butanone (MEK)	43	4.722	4.716	0.006	63	4418	2.50	
45 cis-1,2-Dichloroethene	96		4.729					
50 Chloroform	83		4.972					
51 1,1,1-Trichloroethane	97		5.124					
52 Cyclohexane	56		5.154					
55 Carbon tetrachloride	117		5.252					
57 Benzene	78		5.434					
58 1,2-Dichloroethane	62		5.471					
62 Trichloroethene	95		5.957					
64 Methylcyclohexane	83		6.097					

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/kg	Flags
65 1,2-Dichloropropane	63		6.182					
68 Dichlorobromomethane	83		6.426					
72 cis-1,3-Dichloropropene	75		6.809					
73 4-Methyl-2-pentanone (MIBK)	43		6.906					
74 Toluene	92	7.101	7.107	-0.006	37	3866	0.5809	
77 trans-1,3-Dichloropropene	75		7.326					
79 1,1,2-Trichloroethane	83		7.527					
81 Tetrachloroethene	166		7.630					
80 2-Hexanone	43		7.697					
83 Chlorodibromomethane	129		7.941					
84 Ethylene Dibromide	107		8.074					
87 Chlorobenzene	112		8.525					
88 Ethylbenzene	91		8.585					
90 m-Xylene & p-Xylene	106	8.701	8.701	0.0	37	4058	0.7912	
91 o-Xylene	106		9.133					
92 Styrene	104		9.157					
95 Bromoform	173		9.431					
94 Isopropylbenzene	105		9.492					
97 1,1,2,2-Tetrachloroethane	83		9.857					
111 1,3-Dichlorobenzene	146		10.739					
113 1,4-Dichlorobenzene	146		10.818					
116 1,2-Dichlorobenzene	146		11.159					
117 1,2-Dibromo-3-Chloropropane	75		11.834					
119 1,2,4-Trichlorobenzene	180		12.491					
S 124 Xylenes, Total	1				0		0.7912	

TestAmerica Laboratories
Tentatively Identified Quantitation Report

Data File:	\\Bufchrom\ChromData\HP5973F\20120406-10799.b\F7895.D		
Lims ID:	480-18068-B-14-A	Client ID:	SB-A2 (10'-11')
Inject. Date:	07-Apr-2012 05:03:30	Dil. Factor:	1.0000
Sample Type:	Client		
Sample ID:	480-18068-B-14-A		
Misc. Info.:	480-0010799-019 =480-0010799-019		
Operator:	CDC	Instrument ID:	HP5973F
Vol. Injected:	1.0000	ALS Bottle#:	14
Lims Batch ID:	58567	Lims Sample ID:	19
Detector:	MS SCAN		
Method:	\\Bufchrom\ChromData\HP5973F\20120406-10799.b\F-8260 SOIL.m		
Last Update:	09-Apr-2012 11:48:11	Calib Date:	09-Mar-2012 18:10:30
Tic RT Window:	1.500 -0.000	Response:	area
Quant By:	Nearest ISTD	Quant LOD:	10.00000
MS Library:	\\Bufchrom\ChromData\Database\NIST98.L		
Min. Match:	85		
Process Host:	CORP-CTX-16		
First Level Reviewer: ByrnesJ		Date:	09-Apr-2012 11:25:28

Calibrated Tentative Identified Compound Results

Compound	RT	Response	Amount ug/kg	Flags
Hexane	4.065	51851	12.5	

Tentative Identified Compound Results

RT	Response	Amount ug/kg	Quant Cpnd	Qual	Lib Entry	Flags
	Unknown					
2.033	514910	24.9	1			
	Unknown					
2.362	346910	16.8	1			
78-78-4	Butane, 2-methyl-					
2.782	288760	14.0	1	86	109393	
109-66-0	Pentane					
2.952	374142	18.1	1	86	109385	
107-83-5	Pentane, 2-methyl-					
3.682	387601	18.7	1	91	4652	
96-14-0	Pentane, 3-methyl-					
3.877	250253	12.1	1	90	112491	
	Unknown					
5.020	117745	5.69	1			
	Unknown					
5.173	196909	9.52	1			
66-25-1	Hexanal					
7.807	239734	10.3	2	90	110561	

Report Date: 09-Apr-2012 11:48:19 Chrom Revision: 2.0 20-Feb-2012 13:27:02
Data File: \\Bufchrom\ChromData\HP5973F\20120406-10799.b\F7895.D
Quantitation Compounds

Compound	RT	Response	Amount ug/kg
* 1 1,4-Difluorobenzene	5.714	1034676	50.0
* 2 Chlorobenzene-d5	8.494	1162934	50.0

QC Flag Legend

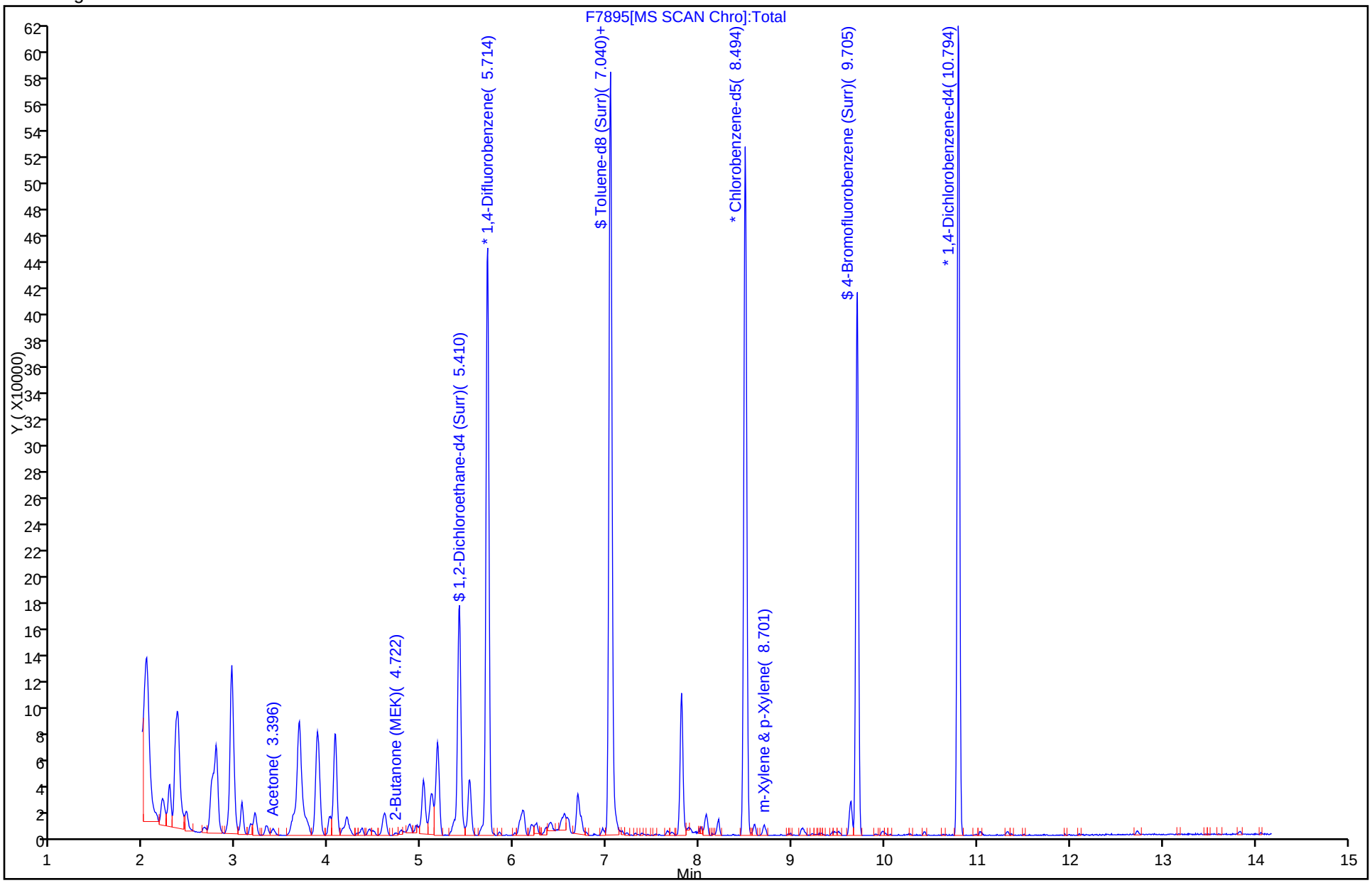
Processing Flags

Report Date: 09-Apr-2012 11:48:19 Chrom Revision: 2.0 20-Feb-2012 13:27:02

Data File: \\Bufchrom\ChromData\HP5973F\20120406-10799.b\F7895.D

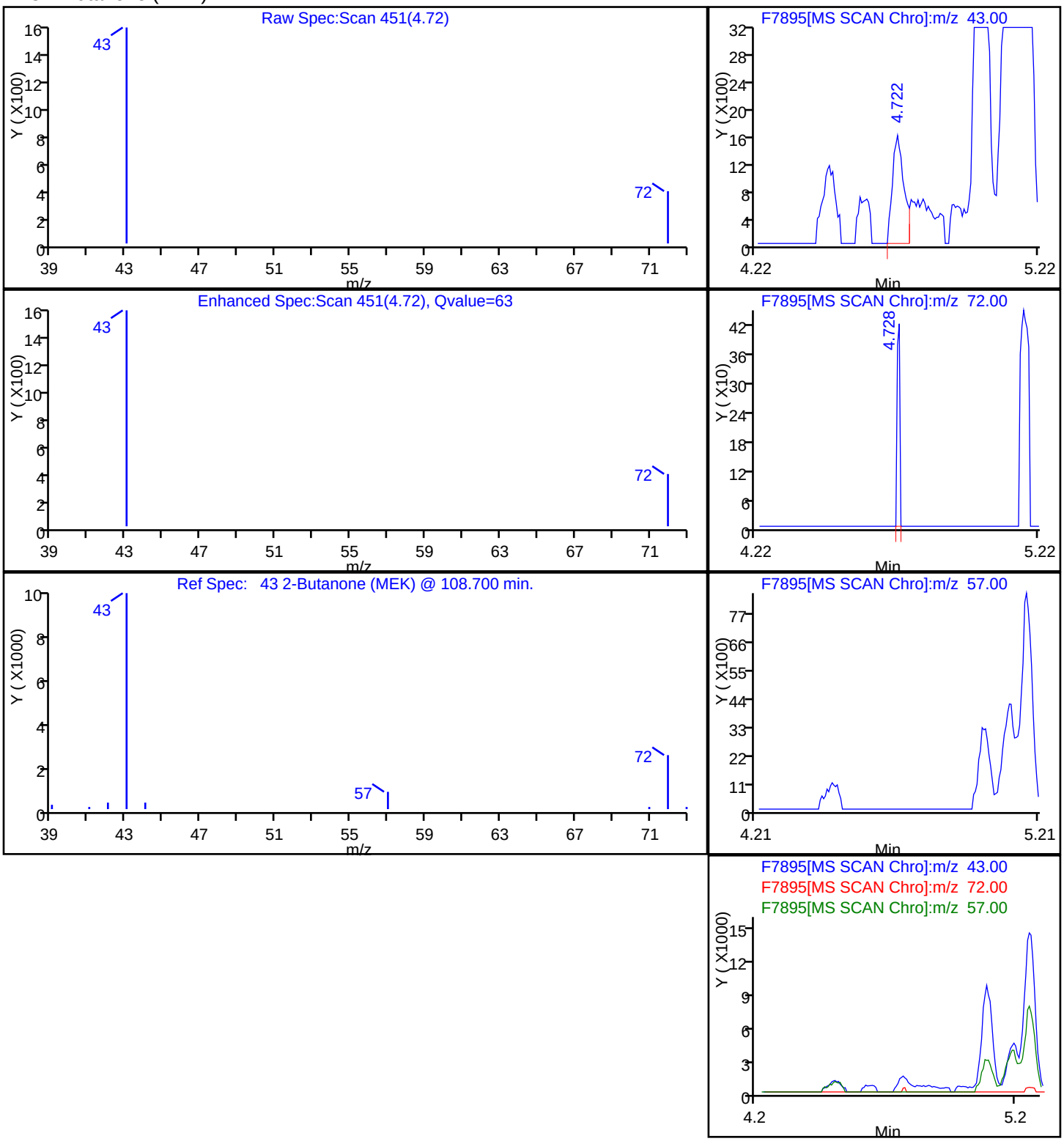
Injection Date:	07-Apr-2012 05:03:30	Limit Group:	MV - 8260B ICAL
Client ID:	SB-A2 (10'-11')	Instrument ID:	HP5973F
Lims Batch ID:	58567	Lims Sample ID:	19
Operator ID:	CDC		
Column Type:	ZB-624	Column Dia:	0.25 mm

Y Scaling:



Report Date: 09-Apr-2012 11:48:19 Chrom Revision: 2.0 20-Feb-2012 13:27:02
Data File: \\Bufchrom\ChromData\HP5973F\20120406-10799.b\F7895.D
Injection Date: 07-Apr-2012 05:03:30 Limit Group: MV - 8260B ICAL
Client ID: SB-A2 (10'-11') Instrument ID: HP5973F
Lims Batch ID: 58567 Lims Sample ID: 19
Operator ID: CDC
Column Type: ZB-624 Column Dia: 0.25 mm

43 2-Butanone (MEK)



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Data File: \\Bufchrom\ChromData\HP5973F\20120406-10799.b\F7895.D

Injection Date: 07-Apr-2012 05:03:30 Limit Group: MV - 8260B ICAL

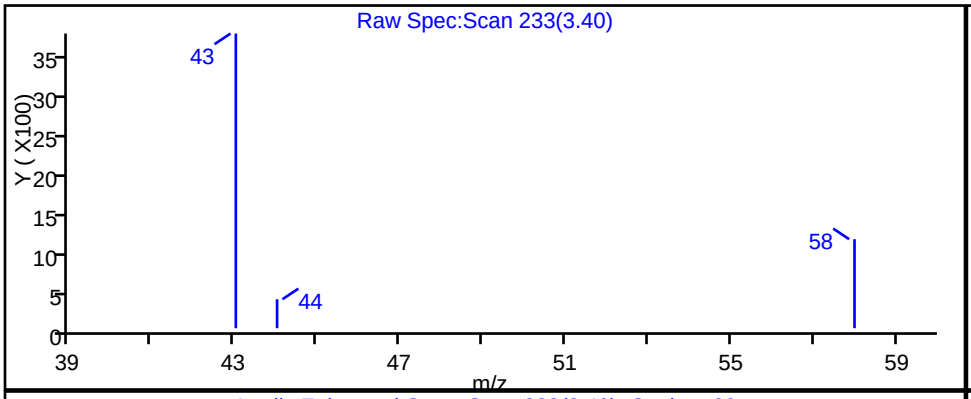
Client ID: SB-A2 (10'-11') Instrument ID: HP5973F

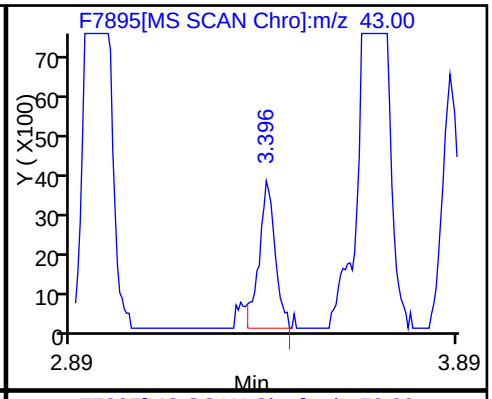
Lims Batch ID: 58567 Lims Sample ID: 19

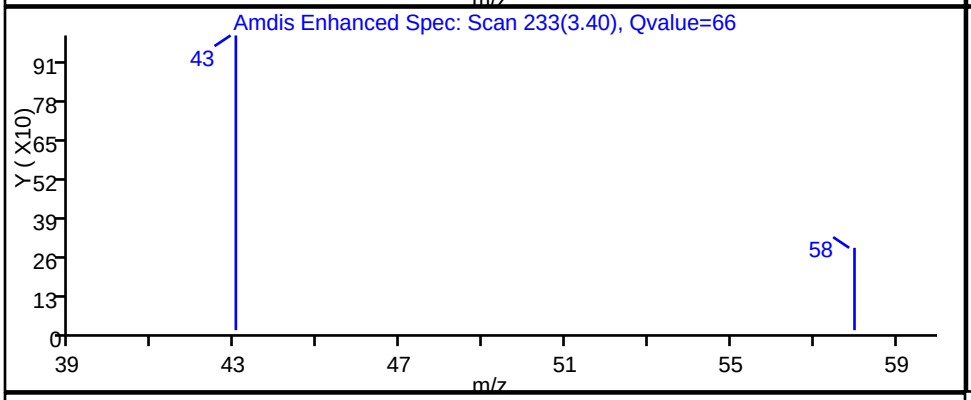
Operator ID: CDC

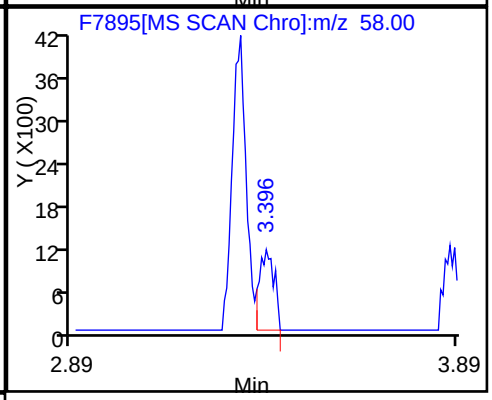
Column Type: ZB-624 Column Dia: 0.25 mm

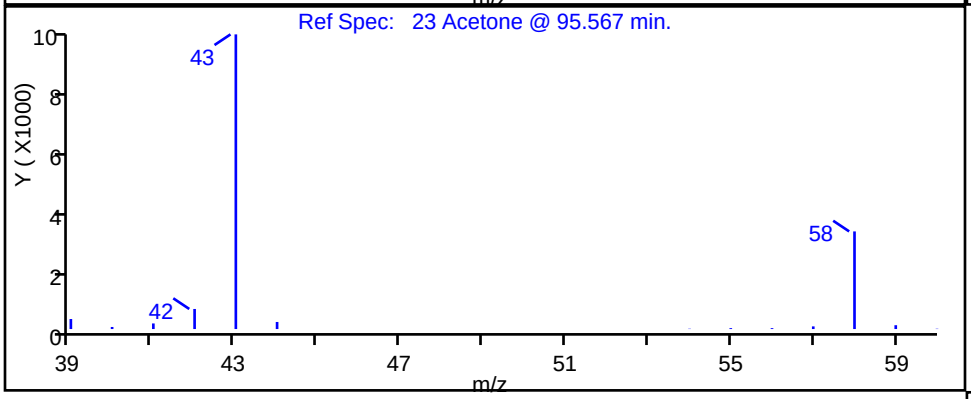
23 Acetone

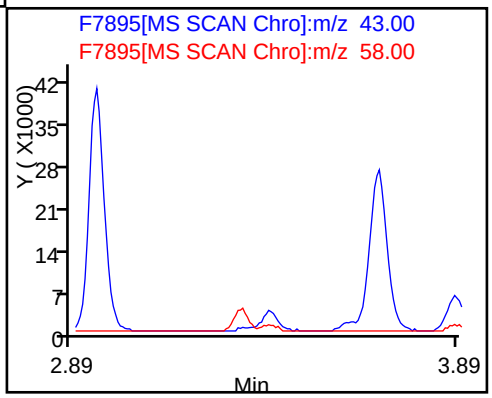










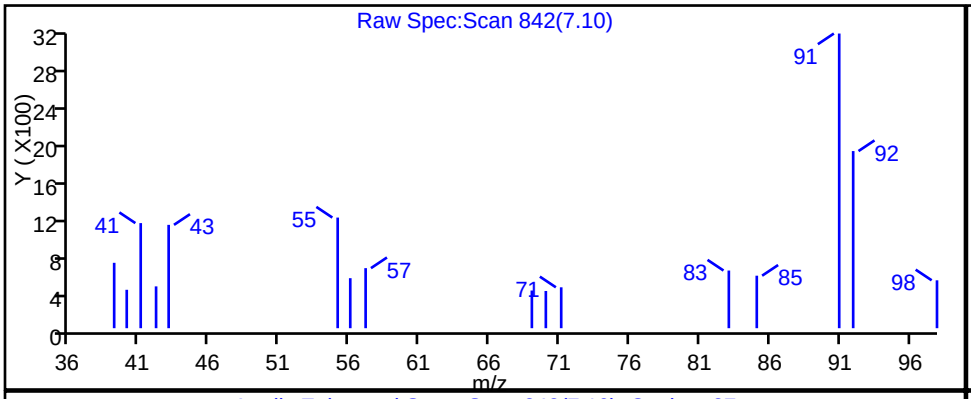


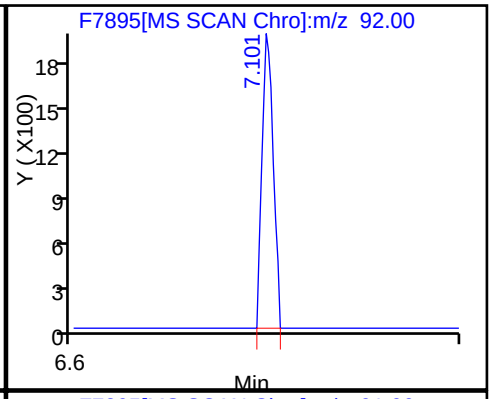
Report Date: 09-Apr-2012 11:48:19 Chrom Revision: 2.0 20-Feb-2012 13:27:02

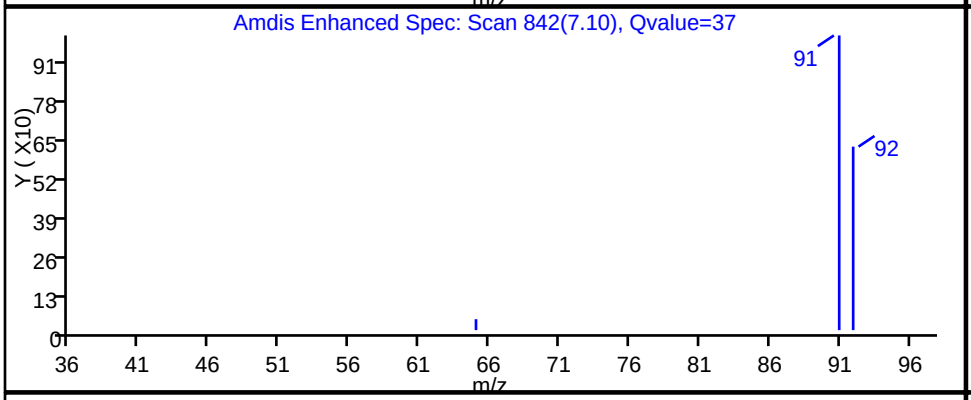
Data File: \\Bufchrom\ChromData\HP5973F\20120406-10799.b\F7895.D

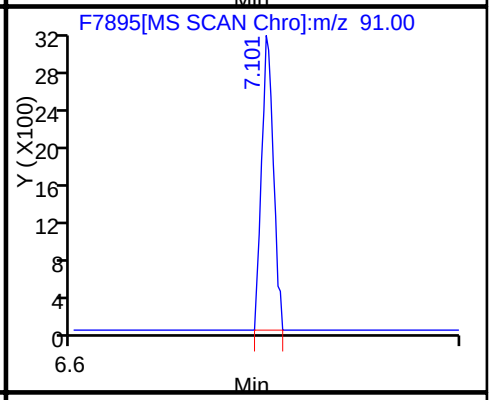
Injection Date:	07-Apr-2012 05:03:30	Limit Group:	MV - 8260B ICAL
Client ID:	SB-A2 (10'-11')	Instrument ID:	HP5973F
Lims Batch ID:	58567	Lims Sample ID:	19
Operator ID:	CDC		
Column Type:	ZB-624	Column Dia:	0.25 mm

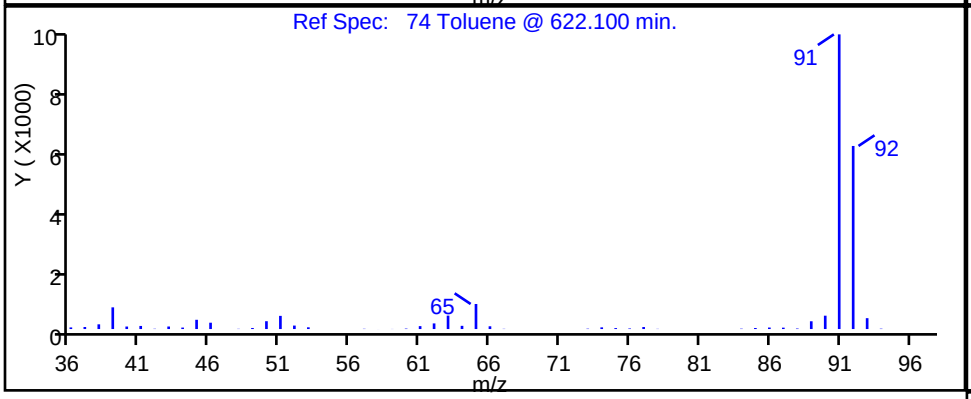
74 Toluene

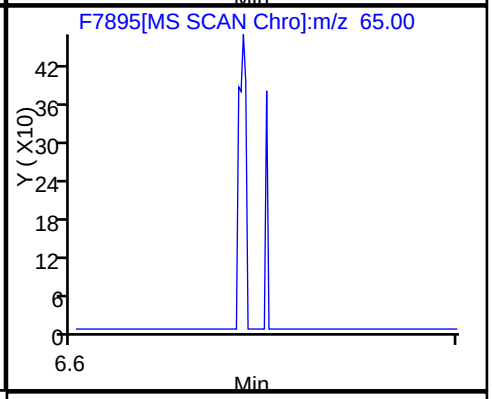


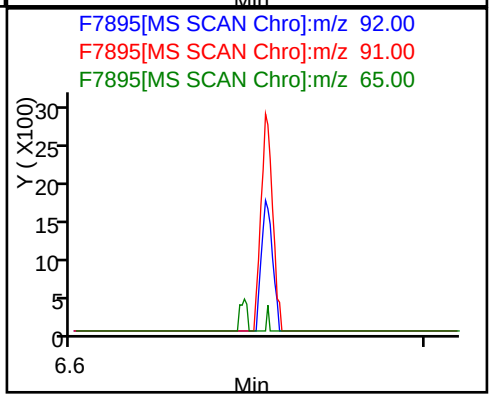










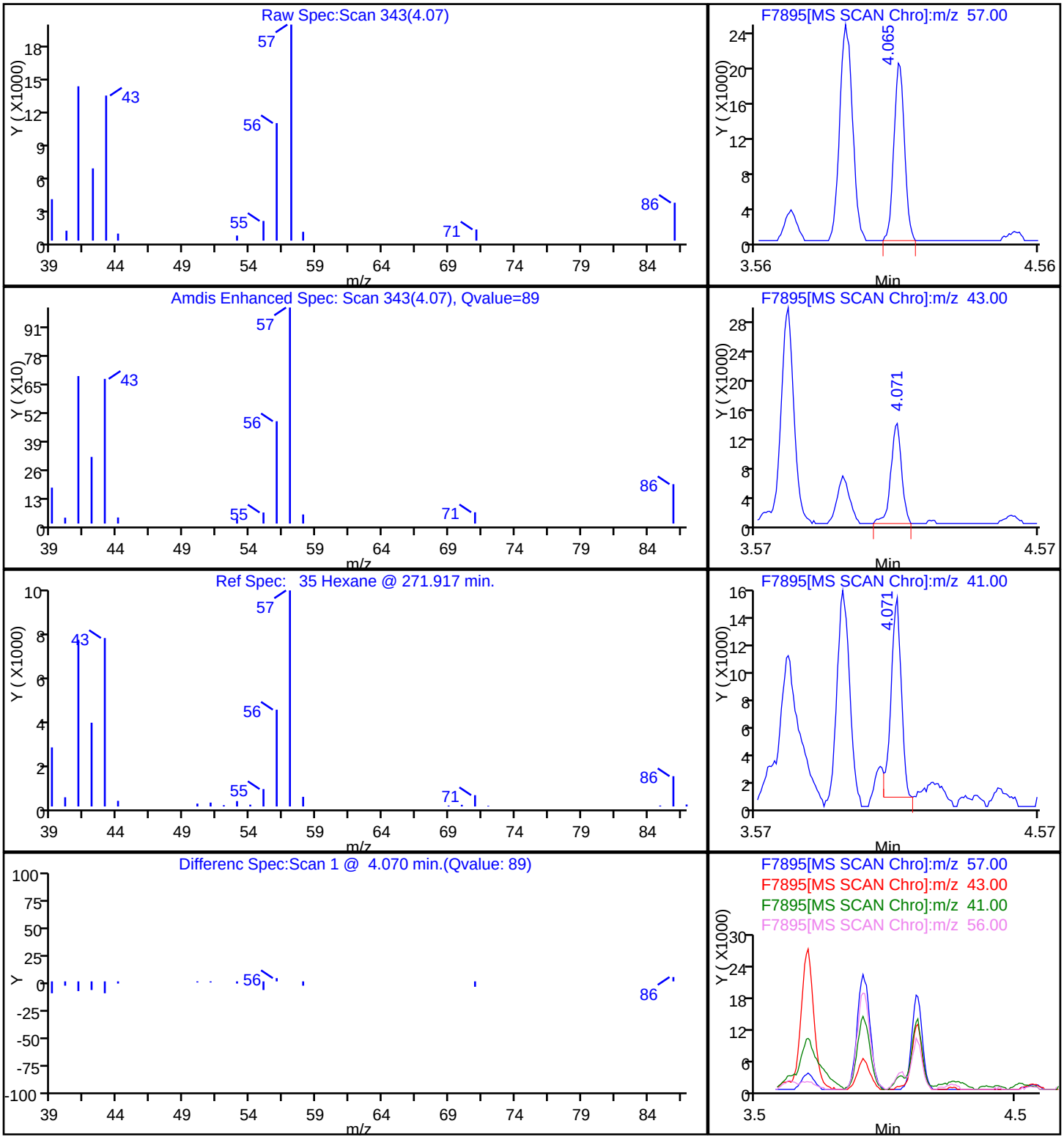


Report Date: 09-Apr-2012 11:48:19 Chrom Revision: 2.0 20-Feb-2012 13:27:02

Data File: \\Bufchrom\ChromData\HP5973F\20120406-10799.b\F7895.D

Injection Date:	07-Apr-2012 05:03:30	Limit Group:	MV - 8260B ICAL
Client ID:	SB-A2 (10'-11')	Instrument ID:	HP5973F
Lims Batch ID:	58567	Lims Sample ID:	19
Operator ID:	CDC		
Column Type:	ZB-624	Column Dia:	0.25 mm

35 Hexane

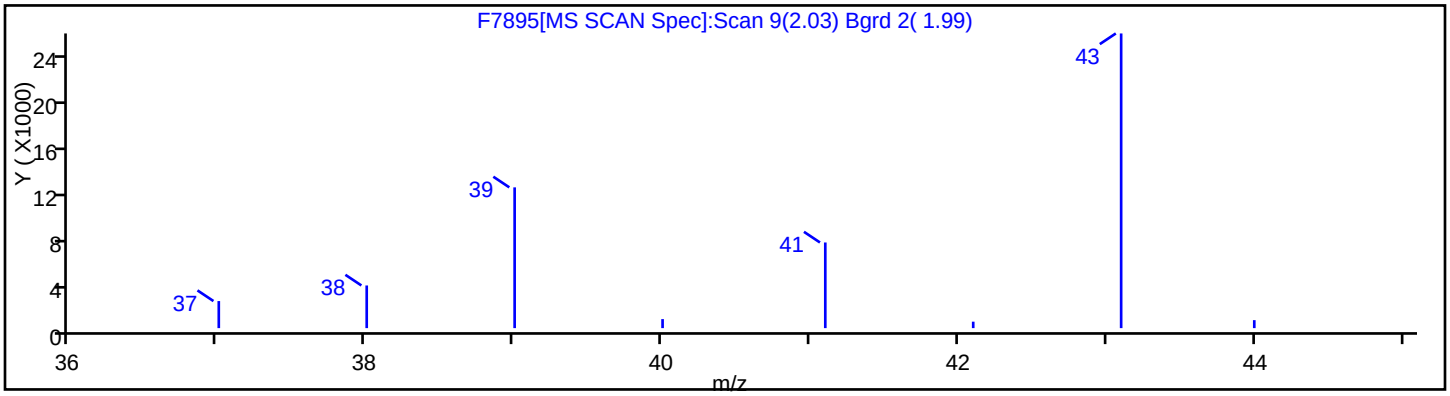


Report Date: 09-Apr-2012 11:48:19 Chrom Revision: 2.0 20-Feb-2012 13:27:02

Data File: \\Bufchrom\ChromData\HP5973F\20120406-10799.b\F7895.D

Injection Date:	07-Apr-2012 05:03:30	Limit Group:	MV - 8260B ICAL
Client ID:	SB-A2 (10'-11')	Instrument ID:	HP5973F
Lims Batch ID:	58567	Lims Sample ID:	19
Operator ID:	CDC		
Column Type:	ZB-624	Column Dia:	0.25 mm

No Library Matches Found above the Threshold: 85

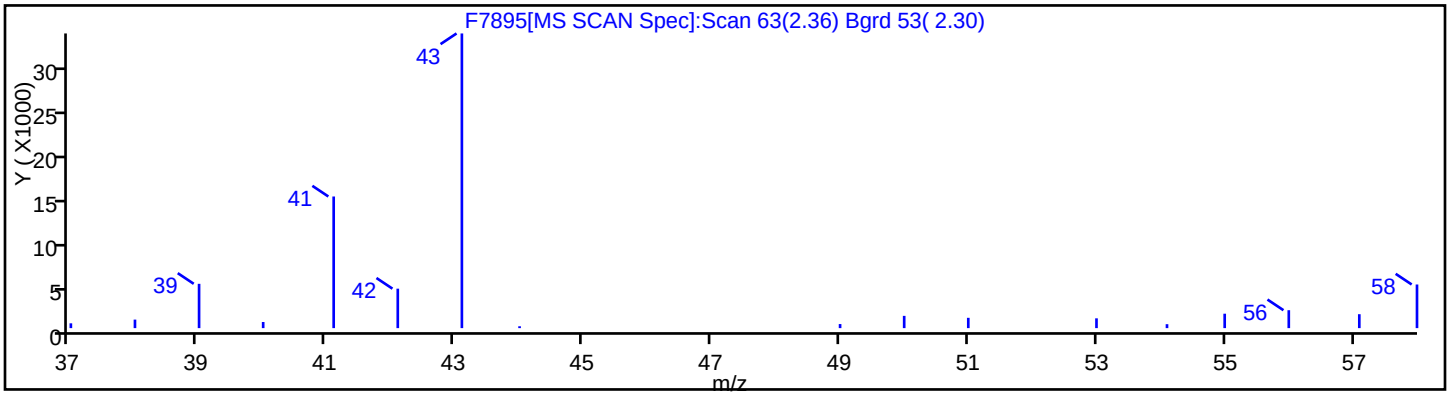


Report Date: 09-Apr-2012 11:48:19 Chrom Revision: 2.0 20-Feb-2012 13:27:02

Data File: \\Bufchrom\ChromData\HP5973F\20120406-10799.b\F7895.D

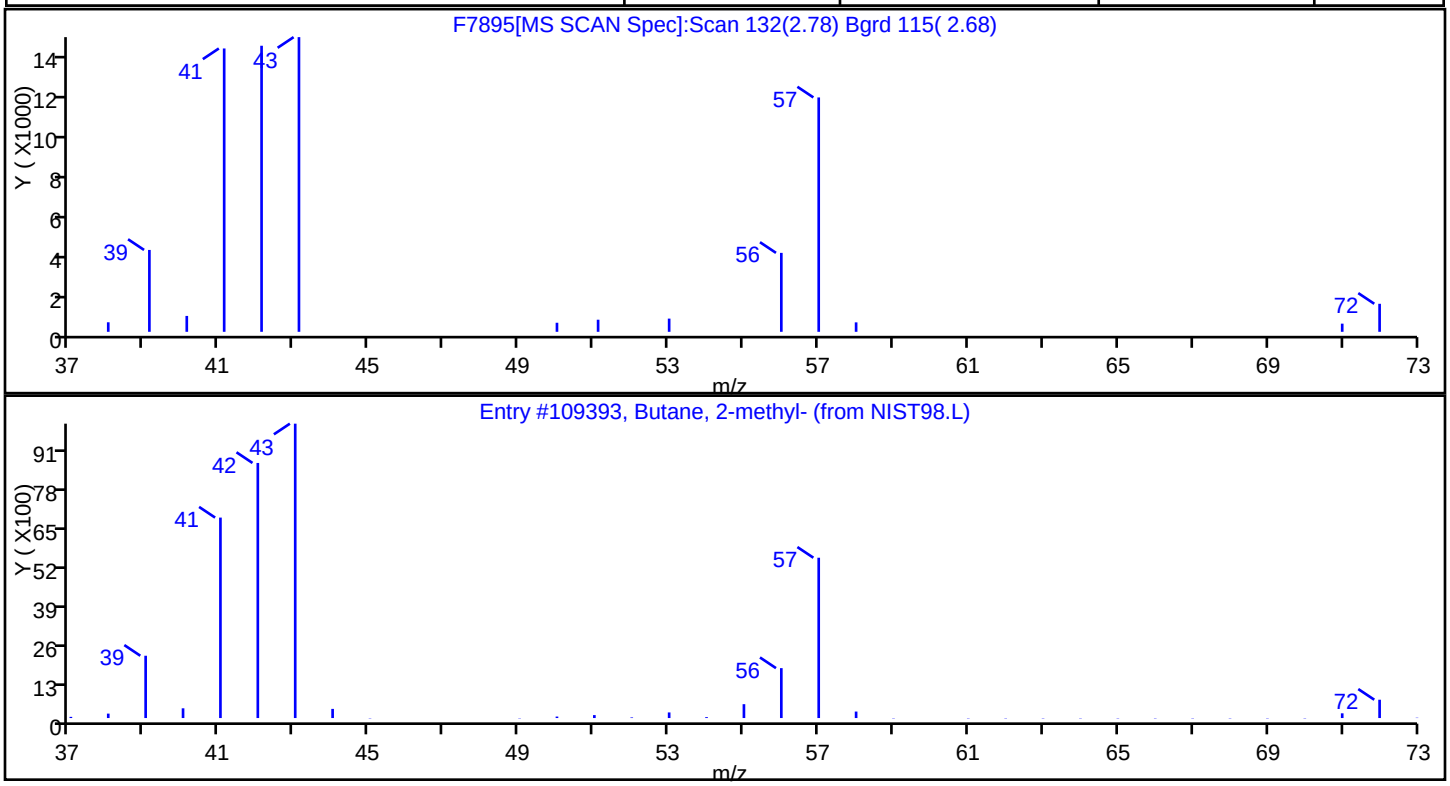
Injection Date:	07-Apr-2012 05:03:30	Limit Group:	MV - 8260B ICAL
Client ID:	SB-A2 (10'-11')	Instrument ID:	HP5973F
Lims Batch ID:	58567	Lims Sample ID:	19
Operator ID:	CDC		
Column Type:	ZB-624	Column Dia:	0.25 mm

No Library Matches Found above the Threshold: 85



Report Date: 09-Apr-2012 11:48:19 Chrom Revision: 2.0 20-Feb-2012 13:27:02
Data File: \\Bufchrom\ChromData\HP5973F\20120406-10799.b\F7895.D
Injection Date: 07-Apr-2012 05:03:30 Limit Group: MV - 8260B ICAL
Client ID: SB-A2 (10'-11') Instrument ID: HP5973F
Lims Batch ID: 58567 Lims Sample ID: 19
Operator ID: CDC
Column Type: ZB-624 Column Dia: 0.25 mm

Library Search Compound Match	CAS Number	Library	Entry	Quality
Butane, 2-methyl-	78-78-4	NIST98.L	109393	86



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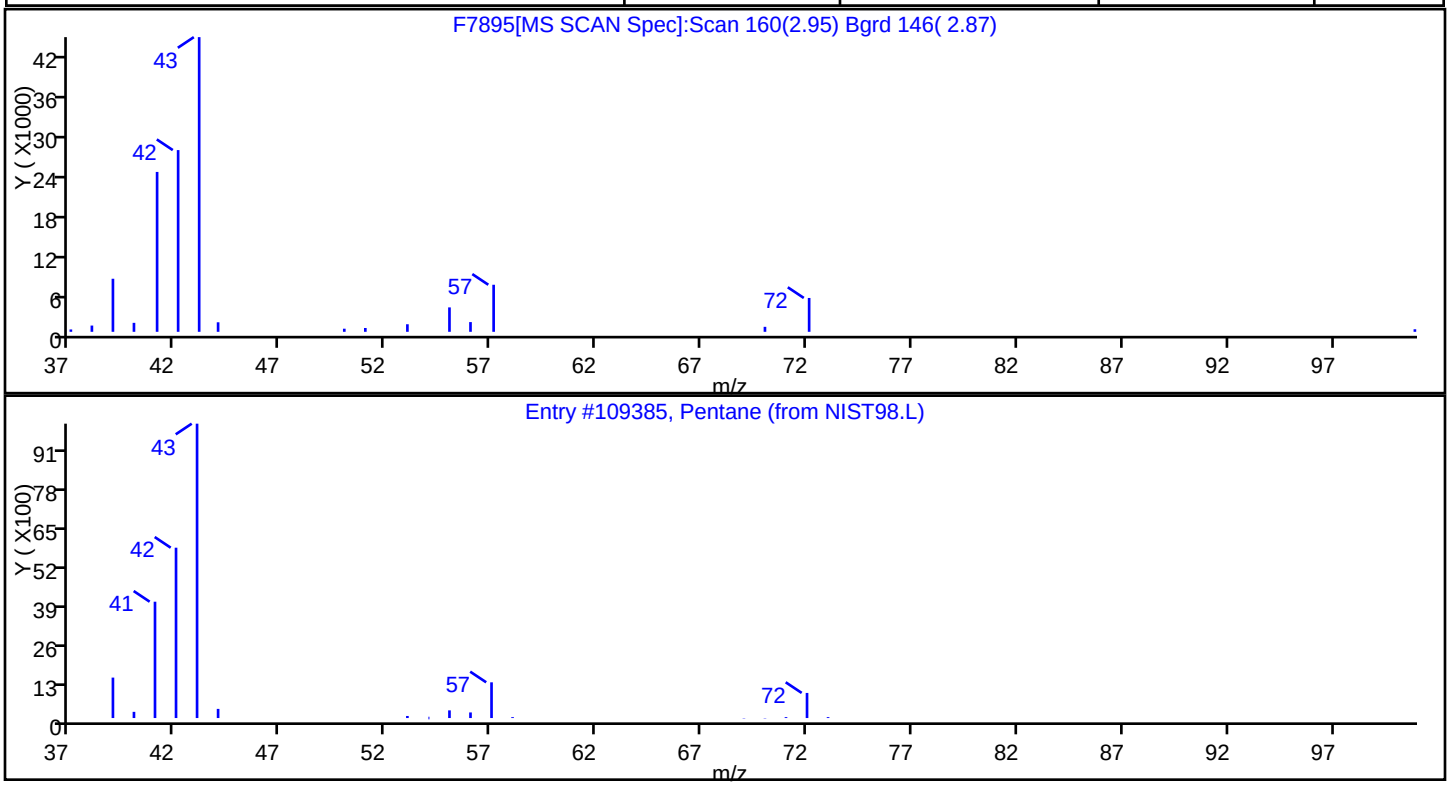
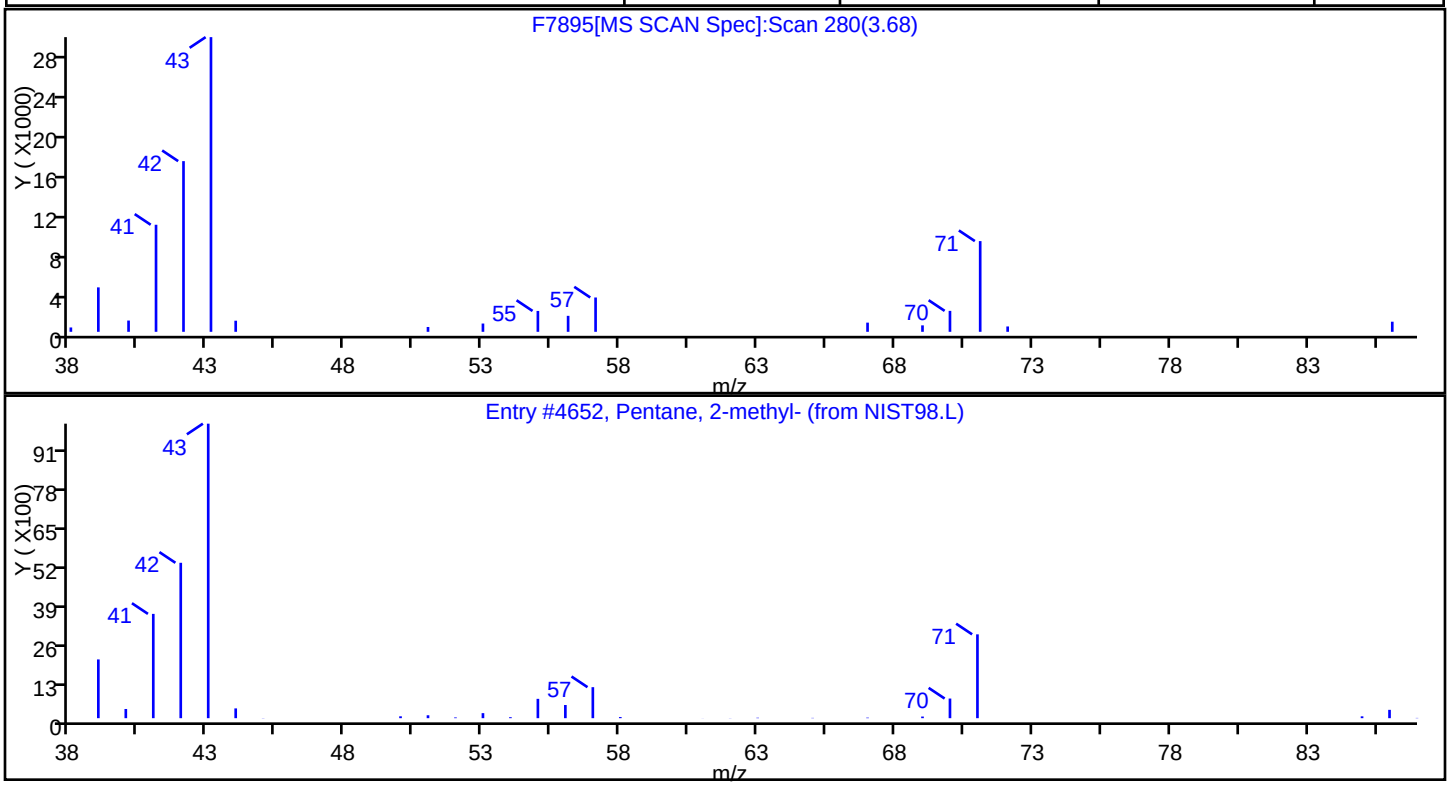
Data File: \\Bufchrom\ChromData\HP5973F\20120406-10799.b\F7895.D
Injection Date: 07-Apr-2012 05:03:30 Limit Group: MV - 8260B ICAL
Client ID: SB-A2 (10'-11') Instrument ID: HP5973F
Lims Batch ID: 58567 Lims Sample ID: 19
Operator ID: CDC
Column Type: ZB-624 Column Dia: 0.25 mm

Library Search Compound Match	CAS Number	Library	Entry	Quality
Pentane	109-66-0	NIST98.L	109385	86



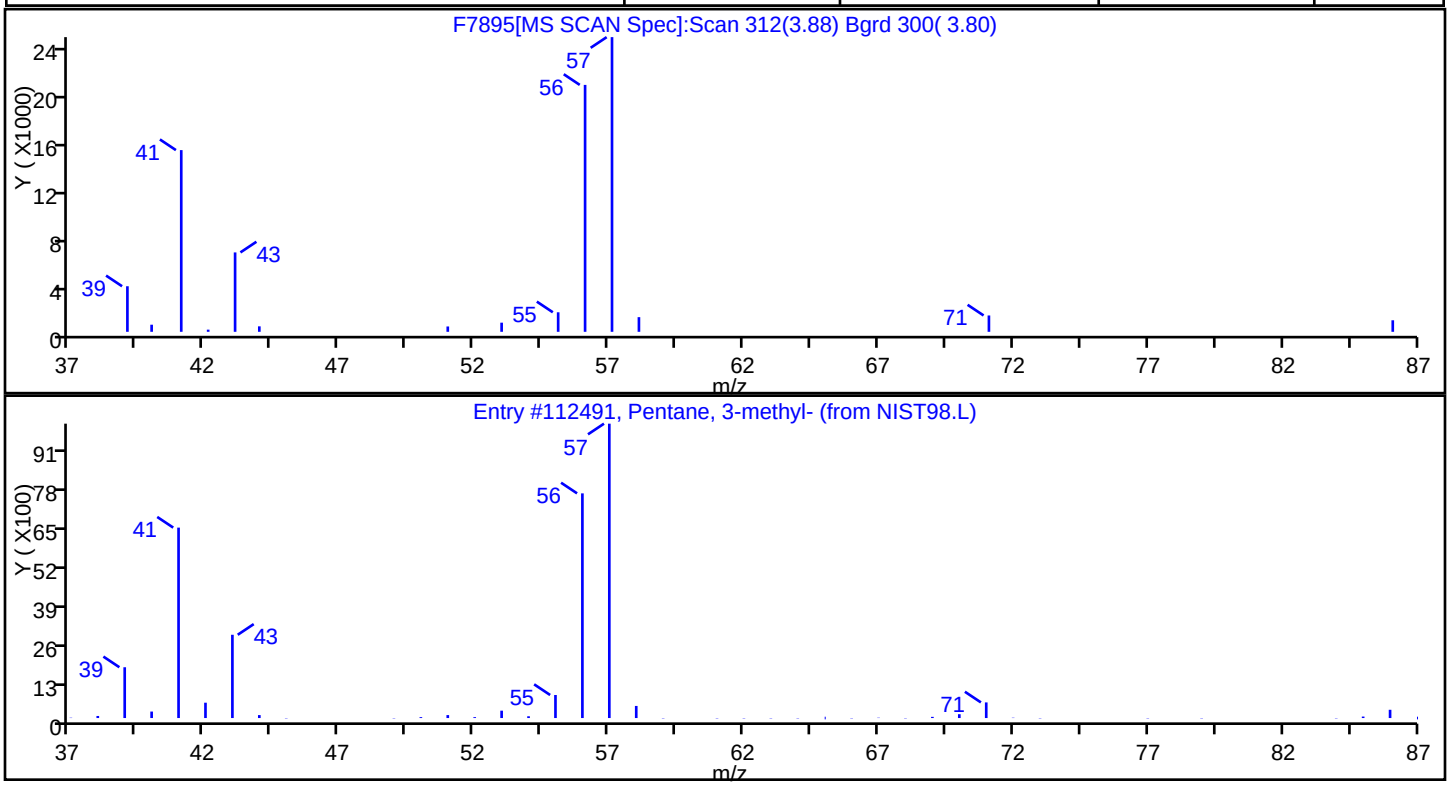
Report Date: 09-Apr-2012 11:48:19 Chrom Revision: 2.0 20-Feb-2012 13:27:02
Data File: \\Bufchrom\ChromData\HP5973F\20120406-10799.b\F7895.D
Injection Date: 07-Apr-2012 05:03:30 Limit Group: MV - 8260B ICAL
Client ID: SB-A2 (10'-11') Instrument ID: HP5973F
Lims Batch ID: 58567 Lims Sample ID: 19
Operator ID: CDC
Column Type: ZB-624 Column Dia: 0.25 mm

Library Search Compound Match	CAS Number	Library	Entry	Quality
Pentane, 2-methyl-	107-83-5	NIST98.L	4652	91



Report Date: 09-Apr-2012 11:48:19 Chrom Revision: 2.0 20-Feb-2012 13:27:02
Data File: \\Bufchrom\ChromData\HP5973F\20120406-10799.b\F7895.D
Injection Date: 07-Apr-2012 05:03:30 Limit Group: MV - 8260B ICAL
Client ID: SB-A2 (10'-11') Instrument ID: HP5973F
Lims Batch ID: 58567 Lims Sample ID: 19
Operator ID: CDC
Column Type: ZB-624 Column Dia: 0.25 mm

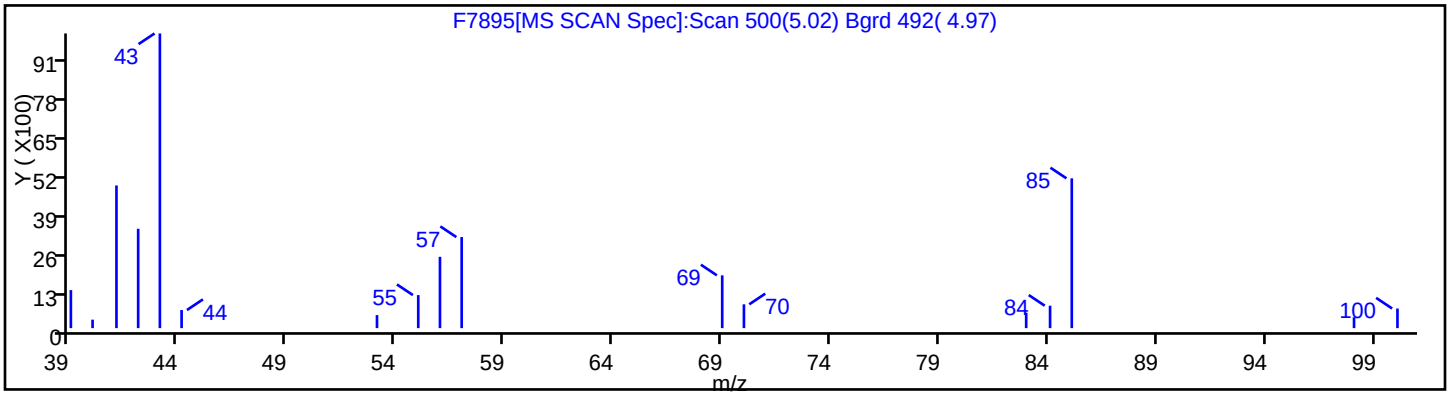
Library Search Compound Match	CAS Number	Library	Entry	Quality
Pentane, 3-methyl-	96-14-0	NIST98.L	112491	90



Report Date: 09-Apr-2012 11:48:19 Chrom Revision: 2.0 20-Feb-2012 13:27:02

Data File:	\\Bufchrom\ChromData\HP5973F\20120406-10799.b\F7895.D		
Injection Date:	07-Apr-2012 05:03:30	Limit Group:	MV - 8260B ICAL
Client ID:	SB-A2 (10'-11')	Instrument ID:	HP5973F
Lims Batch ID:	58567	Lims Sample ID:	19
Operator ID:	CDC		
Column Type:	ZB-624	Column Dia:	0.25 mm

No Library Matches Found above the Threshold: 85



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Data File:	\\Bufchrom\ChromData\HP5973F\20120406-10799.b\F7895.D		
Injection Date:	07-Apr-2012 05:03:30	Limit Group:	MV - 8260B ICAL
Client ID:	SB-A2 (10'-11')	Instrument ID:	HP5973F
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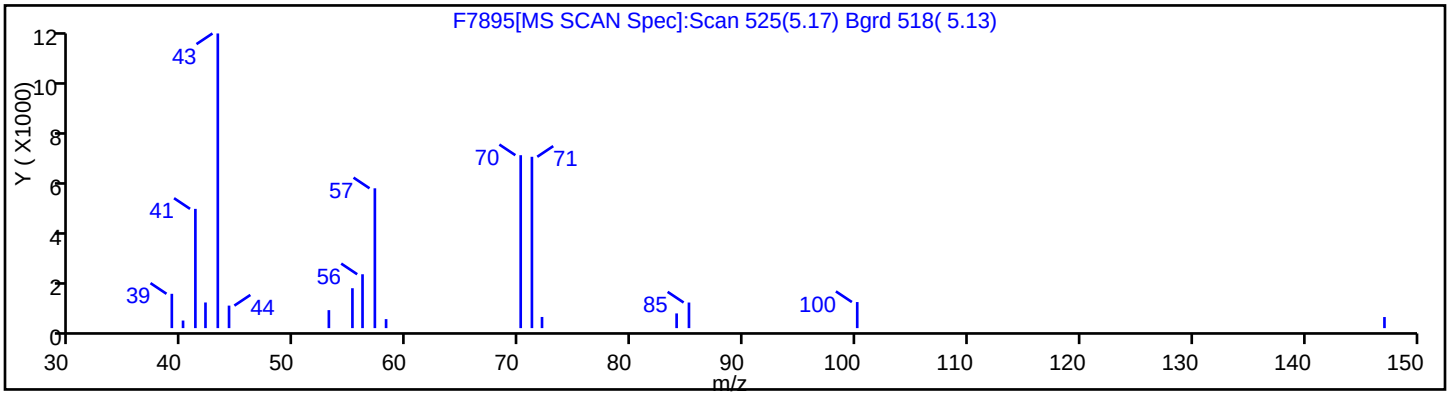
Operator ID:	CDC		
Column Type:	ZB-624	Column Dia:	0.25 mm

No Library Matches Found above the Threshold: 85



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Data File: \\Bufchrom\ChromData\HP5973F\20120406-10799.b\F7895.D
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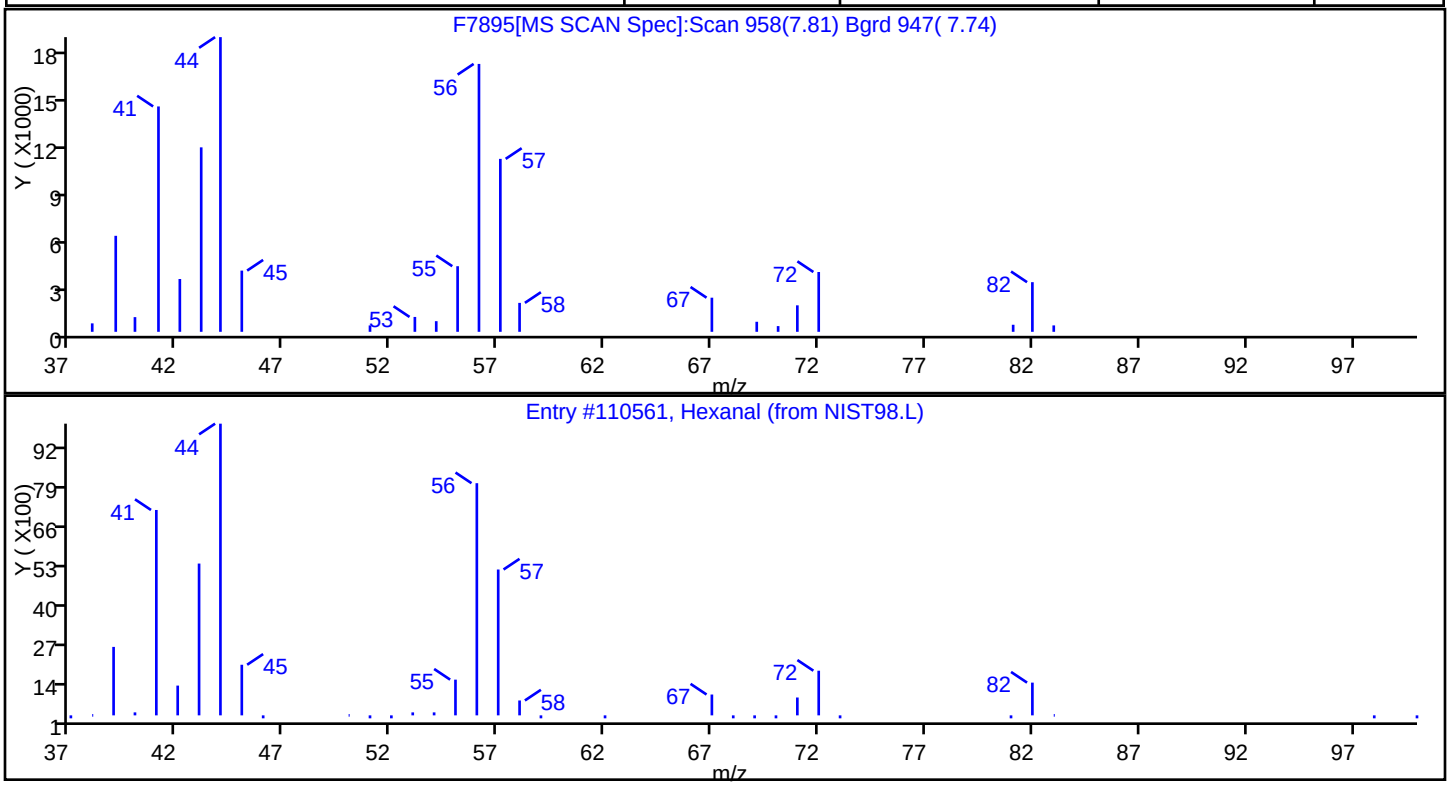
Client ID: SB-A2 (10'-11') Instrument ID: HP5973F
Lims Batch ID: 58567 Lims Sample ID: 19
Operator ID: CDC
Column Type: ZB-624 Column Dia: 0.25 mm

Library Search Compound Match	CAS Number	Library	Entry	Quality
Hexanal	66-25-1	NIST98.L	110561	90



FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Buffalo | Job No.: 480-18068-1

SDG No.:

Client Sample ID: SB-A3 (5'-6'1") | Lab Sample ID: 480-18068-15

Matrix: Solid | Lab File ID: F7896.D

Analysis Method: 8260B | Date Collected: 04/03/2012 11:48

Sample wt/vol: 5.51(g) | Date Analyzed: 04/07/2012 05:29

Soil Aliquot Vol: | Dilution Factor: 1

Soil Extract Vol.: | GC Column: ZB-624 (60) ID: 0.25(mm)

% Moisture: 6.5 | Level: (low/med) Low

Analysis Batch No.: 58567 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
71-55-6	1,1,1-Trichloroethane	ND		4.9	0.35
79-34-5	1,1,2,2-Tetrachloroethane	ND		4.9	0.79
79-00-5	1,1,2-Trichloroethane	ND		4.9	0.63
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	ND		4.9	1.1
75-34-3	1,1-Dichloroethane	ND		4.9	0.59
75-35-4	1,1-Dichloroethene	ND		4.9	0.59
120-82-1	1,2,4-Trichlorobenzene	ND		4.9	0.29
96-12-8	1,2-Dibromo-3-Chloropropane	ND		4.9	2.4
106-93-4	1,2-Dibromoethane	ND		4.9	0.62
95-50-1	1,2-Dichlorobenzene	ND		4.9	0.38
107-06-2	1,2-Dichloroethane	ND		4.9	0.24
78-87-5	1,2-Dichloropropane	ND		4.9	2.4
541-73-1	1,3-Dichlorobenzene	ND		4.9	0.25
106-46-7	1,4-Dichlorobenzene	ND		4.9	0.68
591-78-6	2-Hexanone	ND		24	2.4
78-93-3	2-Butanone (MEK)	ND		24	1.8
108-10-1	4-Methyl-2-pentanone (MIBK)	ND		24	1.6
67-64-1	Acetone	ND		24	4.1
71-43-2	Benzene	ND		4.9	0.24
75-27-4	Bromodichloromethane	ND		4.9	0.65
75-25-2	Bromoform	ND		4.9	2.4
74-83-9	Bromomethane	ND		4.9	0.44
75-15-0	Carbon disulfide	ND		4.9	2.4
56-23-5	Carbon tetrachloride	ND		4.9	0.47
108-90-7	Chlorobenzene	ND		4.9	0.64
124-48-1	Dibromochloromethane	ND		4.9	0.62
75-00-3	Chloroethane	ND		4.9	1.1
67-66-3	Chloroform	ND		4.9	0.30
74-87-3	Chloromethane	ND		4.9	0.29
156-59-2	cis-1,2-Dichloroethene	ND		4.9	0.62
10061-01-5	cis-1,3-Dichloropropene	ND		4.9	0.70
110-82-7	Cyclohexane	ND		4.9	0.68
75-71-8	Dichlorodifluoromethane	ND		4.9	0.40
100-41-4	Ethylbenzene	ND		4.9	0.33
98-82-8	Isopropylbenzene	ND		4.9	0.73

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Buffalo | Job No.: 480-18068-1

SDG No.:

Client Sample ID: SB-A3 (5'-6'1") | Lab Sample ID: 480-18068-15

Matrix: Solid | Lab File ID: F7896.D

Analysis Method: 8260B | Date Collected: 04/03/2012 11:48

Sample wt/vol: 5.51(g) | Date Analyzed: 04/07/2012 05:29

Soil Aliquot Vol: | Dilution Factor: 1

Soil Extract Vol.: | GC Column: ZB-624 (60) ID: 0.25(mm)

% Moisture: 6.5 | Level: (low/med) Low

Analysis Batch No.: 58567 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
79-20-9	Methyl acetate	ND		4.9	0.90
1634-04-4	Methyl tert-butyl ether	ND		4.9	0.48
108-87-2	Methylcyclohexane	ND		4.9	0.74
75-09-2	Methylene Chloride	ND		4.9	2.2
100-42-5	Styrene	ND		4.9	0.24
127-18-4	Tetrachloroethene	ND		4.9	0.65
108-88-3	Toluene	ND		4.9	0.37
156-60-5	trans-1,2-Dichloroethene	ND		4.9	0.50
10061-02-6	trans-1,3-Dichloropropene	ND		4.9	2.1
79-01-6	Trichloroethene	ND		4.9	1.1
75-69-4	Trichlorofluoromethane	ND		4.9	0.46
75-01-4	Vinyl chloride	ND		4.9	0.59
1330-20-7	Xylenes, Total	ND		9.7	0.81

CAS NO.	SURROGATE	%REC	Q	LIMITS
17060-07-0	1,2-Dichloroethane-d4 (Surr)	102		64-126
2037-26-5	Toluene-d8 (Surr)	103		71-125
460-00-4	4-Bromofluorobenzene (Surr)	98		72-126

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

Lab Name: TestAmerica Buffalo | Job No.: 480-18068-1

SDG No.:

Client Sample ID: SB-A3 (5'-6'1") | Lab Sample ID: 480-18068-15

Matrix: Solid | Lab File ID: F7896.D

Analysis Method: 8260B | Date Collected: 04/03/2012 11:48

Sample wt/vol: 5.51(g) | Date Analyzed: 04/07/2012 05:29

Soil Aliquot Vol: | Dilution Factor: 1

Soil Extract Vol.: | GC Column: ZB-624 (60) ID: 0.25(mm)

% Moisture: 6.5 | Level: (low/med) Low

Analysis Batch No.: 58567 | Units: ug/Kg

Number TICs Found: 0 | TIC Result Total: 0

CAS NO.	COMPOUND NAME	RT	RESULT	Q
	Tentatively Identified Compound		None	

TestAmerica Laboratories
Target Compound Quantitation Report

Data File: \\Bufchrom\ChromData\HP5973F\20120406-10799.b\F7896.D
Lims ID: 480-18068-B-15-A
Client ID: SB-A3 (5'-6'1")
Inject. Date: 07-Apr-2012 05:29:30
Dil. Factor: 1.0000
Sample Type: Client
Sample ID: 480-18068-B-15-A
Misc. Info.: 480-0010799-020 =480-0010799-020
Operator: CDC
Instrument ID: HP5973F
Vol. Injected: 1.0000
ALS Bottle#: 15
Lims Batch ID: 58567
Lims Sample ID: 20
Detector: MS SCAN

Method: \\Bufchrom\ChromData\HP5973F\20120406-10799.b\F-8260 SOIL.m
Last Update: 09-Apr-2012 11:48:11
Calib Date: 09-Mar-2012 18:10:30
Quant Method: Internal Standard
Quant By: Initial Calibration
Last ICal File: \\Bufchrom\ChromData\HP5973F\20120309-10095.b\F7259.D
Limit Group: MV - 8260B ICAL
Integrator: RTE
ID Type: Deconvolution ID
Process Host: CORP-CTX-16

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/kg	Flags
* 1 1,4-Difluorobenzene	114	5.708	5.714	-0.006	93	473068	50.0	
* 2 Chlorobenzene-d5	82	8.494	8.494	0.0	82	205092	50.0	
* 3 1,4-Dichlorobenzene-d4	152	10.800	10.800	0.0	94	226991	50.0	
$ 4 1,2-Dichloroethane-d4 (Surr)	67	5.404	5.410	-0.006	98	73539	51.2	
$ 5 Toluene-d8 (Surr)	98	7.040	7.040	0.0	92	498801	51.5	
$ 6 4-Bromofluorobenzene (Surr)	174	9.705	9.705	0.0	88	157766	48.9	
10 Dichlorodifluoromethane	85		2.064					
12 Chloromethane	50		2.216					
13 Vinyl chloride	62		2.332					
14 Bromomethane	94		2.636					
15 Chloroethane	64		2.709					
17 Trichlorofluoromethane	101		2.934					
21 1,1,2-Trichloro-1,2,2-trifluoroe	101		3.311					
22 1,1-Dichloroethene	96		3.341					
23 Acetone	43		3.390					
26 Carbon disulfide	76		3.567					
27 Methyl acetate	43		3.615					
30 Methylene Chloride	84		3.737					
32 Methyl tert-butyl ether	73		3.895					
34 trans-1,2-Dichloroethene	96		3.932					
39 1,1-Dichloroethane	63		4.272					
43 2-Butanone (MEK)	43		4.716					
45 cis-1,2-Dichloroethene	96		4.729					
50 Chloroform	83		4.972					
51 1,1,1-Trichloroethane	97		5.124					
52 Cyclohexane	56		5.154					
55 Carbon tetrachloride	117		5.252					
57 Benzene	78		5.434					
58 1,2-Dichloroethane	62		5.471					
62 Trichloroethene	95		5.957					
64 Methylcyclohexane	83		6.097					
65 1,2-Dichloropropane	63		6.182					
68 Dichlorobromomethane	83		6.426					

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/kg	Flags
72 cis-1,3-Dichloropropene	75		6.809					
73 4-Methyl-2-pentanone (MIBK)	43		6.906					
74 Toluene	92		7.107					
77 trans-1,3-Dichloropropene	75		7.326					
79 1,1,2-Trichloroethane	83		7.527					
81 Tetrachloroethene	166		7.630					
80 2-Hexanone	43		7.697					
83 Chlorodibromomethane	129		7.941					
84 Ethylene Dibromide	107		8.074					
87 Chlorobenzene	112		8.525					
88 Ethylbenzene	91		8.585					
90 m-Xylene & p-Xylene	106		8.701					
91 o-Xylene	106		9.133					
92 Styrene	104		9.157					
95 Bromoform	173		9.431					
94 Isopropylbenzene	105		9.492					
97 1,1,2,2-Tetrachloroethane	83		9.857					
111 1,3-Dichlorobenzene	146		10.739					
113 1,4-Dichlorobenzene	146		10.818					
116 1,2-Dichlorobenzene	146		11.159					
117 1,2-Dibromo-3-Chloropropane	75		11.834					
119 1,2,4-Trichlorobenzene	180		12.491					
S 124 Xylenes, Total	1		30.000					7

QC Flag Legend

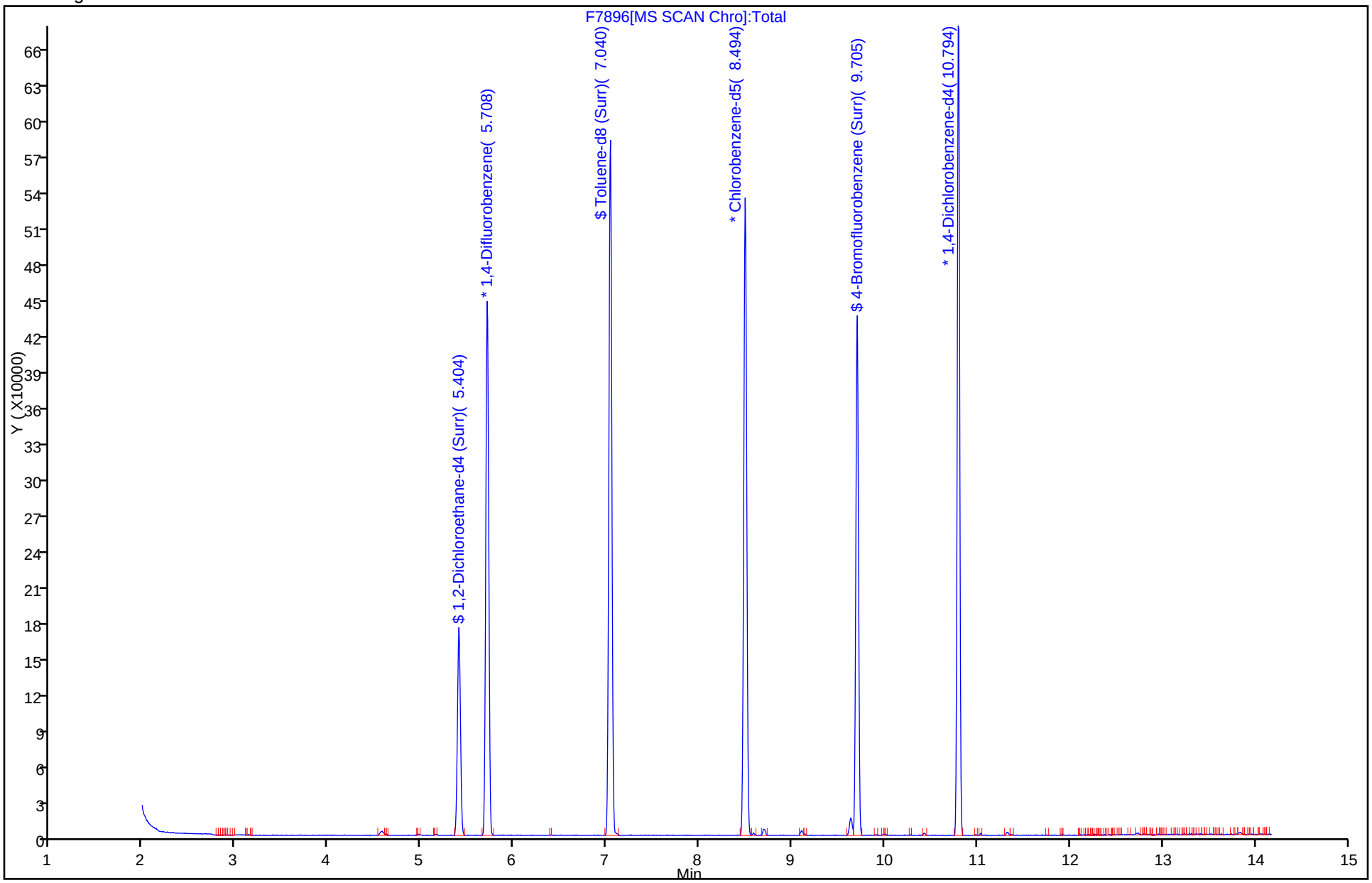
Processing Flags
7 - Failed Limit of Detection

Report Date: 09-Apr-2012 11:48:18 Chrom Revision: 2.0 20-Feb-2012 13:27:02

Data File: \\Bufchrom\ChromData\HP5973F\20120406-10799.b\F7896.D

Injection Date:	07-Apr-2012 05:29:30	Limit Group:	MV - 8260B ICAL
Client ID:	SB-A3 (5'-6'1")	Instrument ID:	HP5973F
Lims Batch ID:	58567	Lims Sample ID:	20
Operator ID:	CDC		
Column Type:	ZB-624	Column Dia:	0.25 mm

Y Scaling:



FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Buffalo | Job No.: 480-18068-1

SDG No.:

Client Sample ID: DUP-03 | Lab Sample ID: 480-18068-16

Matrix: Solid | Lab File ID: F7977.D

Analysis Method: 8260B | Date Collected: 04/03/2012 10:30

Sample wt/vol: 4.99(g) | Date Analyzed: 04/10/2012 17:36

Soil Aliquot Vol: | Dilution Factor: 1

Soil Extract Vol.: | GC Column: ZB-624 (60) ID: 0.25(mm)

% Moisture: 11.5 | Level: (low/med) Low

Analysis Batch No.: 58856 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
71-55-6	1,1,1-Trichloroethane	ND		5.7	0.41
79-34-5	1,1,2,2-Tetrachloroethane	ND		5.7	0.92
79-00-5	1,1,2-Trichloroethane	ND		5.7	0.74
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	ND		5.7	1.3
75-34-3	1,1-Dichloroethane	ND		5.7	0.69
75-35-4	1,1-Dichloroethene	ND		5.7	0.69
120-82-1	1,2,4-Trichlorobenzene	ND		5.7	0.34
96-12-8	1,2-Dibromo-3-Chloropropane	ND		5.7	2.8
106-93-4	1,2-Dibromoethane	ND		5.7	0.73
95-50-1	1,2-Dichlorobenzene	ND		5.7	0.44
107-06-2	1,2-Dichloroethane	ND		5.7	0.28
78-87-5	1,2-Dichloropropane	ND		5.7	2.8
541-73-1	1,3-Dichlorobenzene	ND		5.7	0.29
106-46-7	1,4-Dichlorobenzene	ND		5.7	0.79
591-78-6	2-Hexanone	ND		28	2.8
78-93-3	2-Butanone (MEK)	5.1	J	28	2.1
108-10-1	4-Methyl-2-pentanone (MIBK)	ND		28	1.9
67-64-1	Acetone	23	J	28	4.8
71-43-2	Benzene	ND		5.7	0.28
75-27-4	Bromodichloromethane	ND		5.7	0.76
75-25-2	Bromoform	ND		5.7	2.8
74-83-9	Bromomethane	ND		5.7	0.51
75-15-0	Carbon disulfide	ND		5.7	2.8
56-23-5	Carbon tetrachloride	ND		5.7	0.55
108-90-7	Chlorobenzene	ND		5.7	0.75
124-48-1	Dibromochloromethane	ND		5.7	0.73
75-00-3	Chloroethane	ND		5.7	1.3
67-66-3	Chloroform	ND		5.7	0.35
74-87-3	Chloromethane	ND		5.7	0.34
156-59-2	cis-1,2-Dichloroethene	ND		5.7	0.73
10061-01-5	cis-1,3-Dichloropropene	ND		5.7	0.82
110-82-7	Cyclohexane	ND		5.7	0.79
75-71-8	Dichlorodifluoromethane	ND		5.7	0.47
100-41-4	Ethylbenzene	0.60	J	5.7	0.39
98-82-8	Isopropylbenzene	ND		5.7	0.85

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Buffalo | Job No.: 480-18068-1

SDG No.:

Client Sample ID: DUP-03 | Lab Sample ID: 480-18068-16

Matrix: Solid | Lab File ID: F7977.D

Analysis Method: 8260B | Date Collected: 04/03/2012 10:30

Sample wt/vol: 4.99(g) | Date Analyzed: 04/10/2012 17:36

Soil Aliquot Vol: | Dilution Factor: 1

Soil Extract Vol.: | GC Column: ZB-624 (60) ID: 0.25(mm)

% Moisture: 11.5 | Level: (low/med) Low

Analysis Batch No.: 58856 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
79-20-9	Methyl acetate	ND		5.7	1.1
1634-04-4	Methyl tert-butyl ether	ND		5.7	0.56
108-87-2	Methylcyclohexane	ND		5.7	0.86
75-09-2	Methylene Chloride	ND		5.7	2.6
100-42-5	Styrene	ND		5.7	0.28
127-18-4	Tetrachloroethene	ND		5.7	0.76
108-88-3	Toluene	1.0	J	5.7	0.43
156-60-5	trans-1,2-Dichloroethene	ND		5.7	0.58
10061-02-6	trans-1,3-Dichloropropene	ND		5.7	2.5
79-01-6	Trichloroethene	ND		5.7	1.2
75-69-4	Trichlorofluoromethane	ND		5.7	0.54
75-01-4	Vinyl chloride	ND		5.7	0.69
1330-20-7	Xylenes, Total	1.4	J	11	0.95

CAS NO.	SURROGATE	%REC	Q	LIMITS
17060-07-0	1,2-Dichloroethane-d4 (Surr)	96		64-126
2037-26-5	Toluene-d8 (Surr)	110		71-125
460-00-4	4-Bromofluorobenzene (Surr)	106		72-126

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

Lab Name: TestAmerica Buffalo | Job No.: 480-18068-1

SDG No.:

Client Sample ID: DUP-03 | Lab Sample ID: 480-18068-16

Matrix: Solid | Lab File ID: F7977.D

Analysis Method: 8260B | Date Collected: 04/03/2012 10:30

Sample wt/vol: 4.99(g) | Date Analyzed: 04/10/2012 17:36

Soil Aliquot Vol: | Dilution Factor: 1

Soil Extract Vol.: | GC Column: ZB-624 (60) ID: 0.25(mm)

% Moisture: 11.5 | Level: (low/med) Low

Analysis Batch No.: 58856 | Units: ug/Kg

Number TICs Found: 10 | TIC Result Total: 208.9

CAS NO.	COMPOUND NAME	RT	RESULT	Q
	Unknown	2.03	58	T J
	Unknown	2.21	7.3	T J
115-11-7	1-Propene, 2-methyl-	2.28	8.0	T J N
	Unknown	2.36	27	T J
78-78-4	Butane, 2-methyl-	2.79	29	T J N
109-66-0	Pentane	2.95	25	T J N
107-83-5	Pentane, 2-methyl-	3.68	19	T J N
96-14-0	Pentane, 3-methyl-	3.88	16	T J N
110-54-3	Hexane	4.07	12	J
	Unknown	5.17	7.6	T J

TestAmerica Laboratories
Target Compound Quantitation Report

Data File: \\Bufchrom\ChromData\HP5973F\20120410-10858.b\F7977.D
Lims ID: 480-18068-C-16-A Client ID: DUP-03
Inject. Date: 10-Apr-2012 17:36:30 Dil. Factor: 1.0000
Sample Type: Client
Sample ID: 480-18068-C-16-A
Misc. Info.: 480-0010858-020 =480-0010858-020
Operator: jmb Instrument ID: HP5973F
Vol. Injected: 1.0000 ALS Bottle#: 20
Lims Batch ID: 58856 Lims Sample ID: 20
Detector: MS SCAN

Method: \\Bufchrom\ChromData\HP5973F\20120410-10858.b\F-8260 SOIL.m
Last Update: 10-Apr-2012 17:29:24 Calib Date: 09-Mar-2012 18:10:30
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\Bufchrom\ChromData\HP5973F\20120309-10095.b\F7259.D
Limit Group: MV - 8260B ICAL
Integrator: RTE ID Type: Deconvolution ID
Process Host: CORP-CTX-19

First Level Reviewer: cwiklinc Date: 10-Apr-2012 17:47:02

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/kg	Flags
* 1 1,4-Difluorobenzene	114	5.714	5.714	0.0	93	458196	50.0	
* 2 Chlorobenzene-d5	82	8.494	8.500	-0.006	81	181943	50.0	
* 3 1,4-Dichlorobenzene-d4	152	10.800	10.800	0.0	92	204757	50.0	
$ 4 1,2-Dichloroethane-d4 (Surr)	67	5.410	5.410	0.0	98	66557	47.8	
$ 5 Toluene-d8 (Surr)	98	7.040	7.040	0.0	91	473155	55.1	
$ 6 4-Bromofluorobenzene (Surr)	174	9.705	9.705	0.0	91	151345	52.9	
10 Dichlorodifluoromethane	85		2.070					
12 Chloromethane	50		2.216					
13 Vinyl chloride	62		2.338					
14 Bromomethane	94		2.636					
15 Chloroethane	64		2.715					
17 Trichlorofluoromethane	101		2.940					
21 1,1,2-Trichloro-1,2,2-trifluoroe	101		3.311					
22 1,1-Dichloroethene	96		3.347					
23 Acetone	43	3.402	3.390	0.012	84	19794	20.0	
26 Carbon disulfide	76		3.566					
27 Methyl acetate	43		3.615					
30 Methylene Chloride	84		3.743					
32 Methyl tert-butyl ether	73		3.895					
34 trans-1,2-Dichloroethene	96		3.932					
39 1,1-Dichloroethane	63		4.272					
43 2-Butanone (MEK)	43	4.723	4.716	0.006	68	7712	4.51	
45 cis-1,2-Dichloroethene	96		4.735					
50 Chloroform	83		4.978					
51 1,1,1-Trichloroethane	97		5.124					
52 Cyclohexane	56		5.154					
55 Carbon tetrachloride	117		5.258					
57 Benzene	78		5.434					
58 1,2-Dichloroethane	62		5.471					
62 Trichloroethene	95		5.963					
64 Methylcyclohexane	83		6.097					

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/kg	Flags
65 1,2-Dichloropropane	63		6.182					
68 Dichlorobromomethane	83		6.432					
72 cis-1,3-Dichloropropene	75		6.809					
73 4-Methyl-2-pentanone (MIBK)	43		6.906					
74 Toluene	92	7.107	7.107	0.0	51	5474	0.9038	
77 trans-1,3-Dichloropropene	75		7.332					
79 1,1,2-Trichloroethane	83		7.527					
81 Tetrachloroethene	166		7.636					
80 2-Hexanone	43		7.703					
83 Chlorodibromomethane	129		7.941					
84 Ethylene Dibromide	107		8.074					
87 Chlorobenzene	112		8.525					
88 Ethylbenzene	91	8.586	8.585	0.001	1	5943	0.5321	
90 m-Xylene & p-Xylene	106	8.701	8.701	0.0	70	5922	1.27	
91 o-Xylene	106		9.139					
92 Styrene	104		9.163					
95 Bromoform	173		9.437					
94 Isopropylbenzene	105		9.492					
97 1,1,2,2-Tetrachloroethane	83		9.863					
111 1,3-Dichlorobenzene	146		10.739					
113 1,4-Dichlorobenzene	146		10.818					
116 1,2-Dichlorobenzene	146		11.165					
117 1,2-Dibromo-3-Chloropropane	75		11.834					
119 1,2,4-Trichlorobenzene	180		12.491					
S 124 Xylenes, Total	1				0		1.27	

TestAmerica Laboratories
Tentatively Identified Quantitation Report

Data File:	\\Bufchrom\ChromData\HP5973F\20120410-10858.b\F7977.D		
Lims ID:	480-18068-C-16-A	Client ID:	DUP-03
Inject. Date:	10-Apr-2012 17:36:30	Dil. Factor:	1.0000
Sample Type:	Client		
Sample ID:	480-18068-C-16-A		
Misc. Info.:	480-0010858-020 =480-0010858-020		
Operator:	jmb	Instrument ID:	HP5973F
Vol. Injected:	1.0000	ALS Bottle#:	20
Lims Batch ID:	58856	Lims Sample ID:	20
Detector:	MS SCAN		
Method:	\\Bufchrom\ChromData\HP5973F\20120410-10858.b\F-8260 SOIL.m		
Last Update:	10-Apr-2012 17:29:24	Calib Date:	09-Mar-2012 18:10:30
Tic RT Window:	1.500 -0.000	Response:	area
Quant By:	Nearest ISTD	Quant LOD:	10.00000
MS Library:	\\Bufchrom\ChromData\Database\NIST98.L		
Min. Match:	85		
Process Host:	CORP-CTX-19		

First Level Reviewer: cwiklinc Date: 10-Apr-2012 17:47:02

Calibrated Tentative Identified Compound Results

Compound	RT	Response	Amount ug/kg	Flags
Hexane	4.072	43292	10.8	

Tentative Identified Compound Results

RT	Response	Amount ug/kg	Quant Cpnd	Qual	Lib Entry	Flags
	Unknown					
2.034	964075	50.9	1			
	Unknown					
2.210	121148	6.40	1			
115-11-7	1-Propene, 2-methyl-					
2.283	133529	7.05	1	86	108463	
	Unknown					
2.356	448271	23.7	1			
78-78-4	Butane, 2-methyl-					
2.788	487737	25.8	1	90	109393	
109-66-0	Pentane					
2.952	424703	22.4	1	86	109385	
107-83-5	Pentane, 2-methyl-					
3.682	315314	16.6	1	90	109382	
96-14-0	Pentane, 3-methyl-					
3.883	264148	13.9	1	90	112491	
	Unknown					
5.173	127481	6.73	1			

Report Date: 10-Apr-2012 17:48:47 Chrom Revision: 2.0 20-Feb-2012 13:27:02
Data File: \\Bufchrom\ChromData\HP5973F\20120410-10858.b\F7977.D
Quantitation Compounds

Compound	RT	Response	Amount ug/kg
* 1 1,4-Difluorobenzene	5.714	947034	50.0

QC Flag Legend

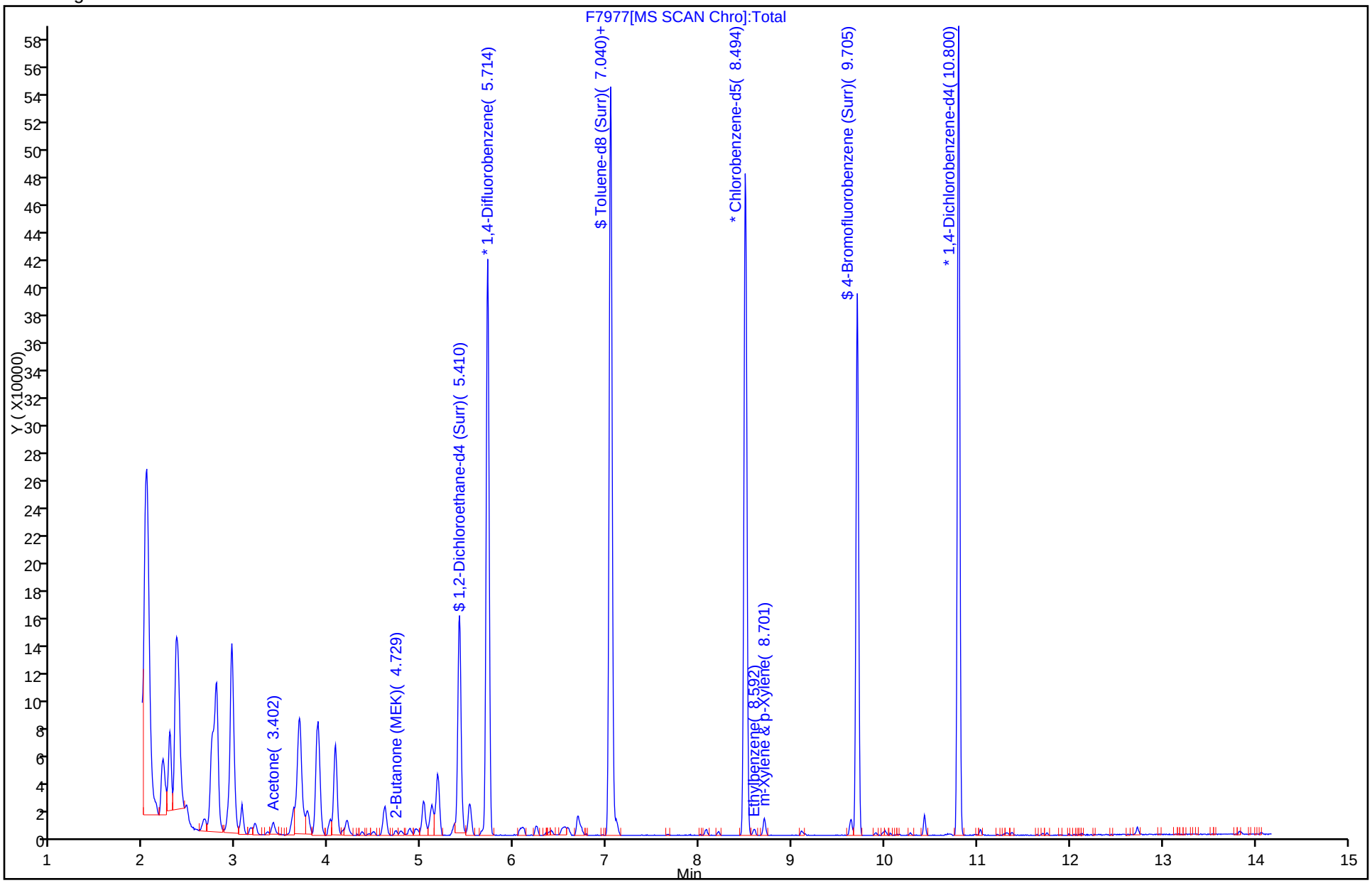
Processing Flags

Report Date: 10-Apr-2012 17:48:47 Chrom Revision: 2.0 20-Feb-2012 13:27:02

Data File: \\Bufchrom\ChromData\HP5973F\20120410-10858.b\F7977.D

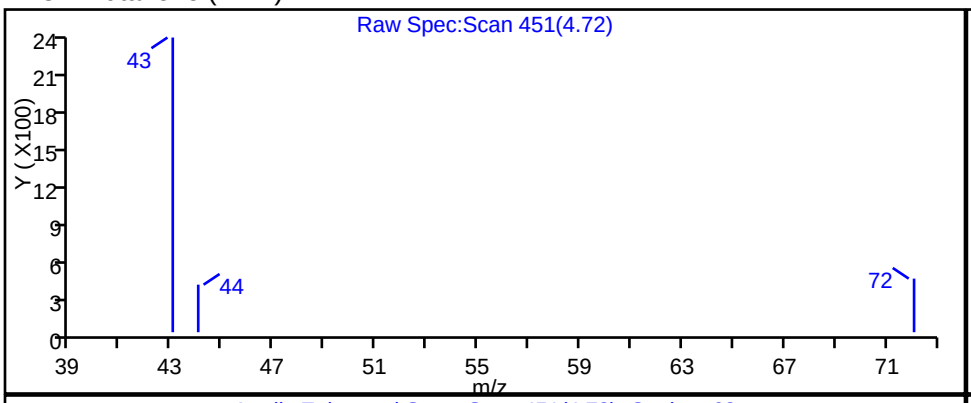
Injection Date:	10-Apr-2012 17:36:30	Limit Group:	MV - 8260B ICAL
Client ID:	DUP-03	Instrument ID:	HP5973F
Lims Batch ID:	58856	Lims Sample ID:	20
Operator ID:	jmb		
Column Type:	ZB-624	Column Dia:	0.25 mm

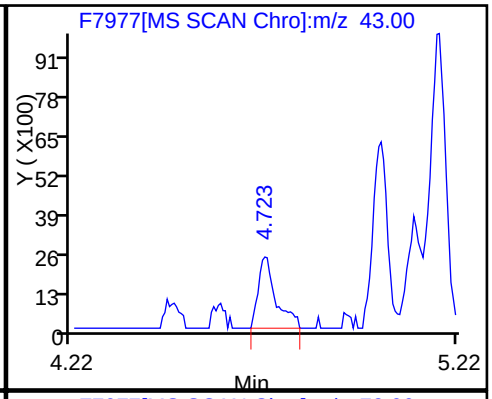
Y Scaling:

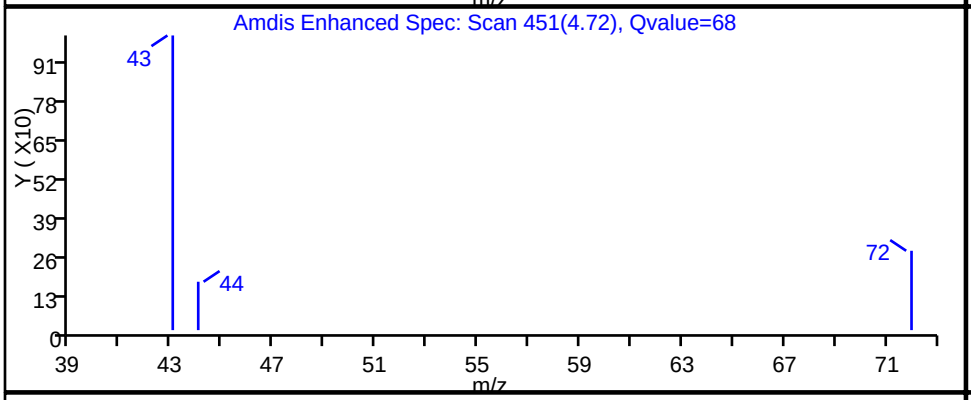


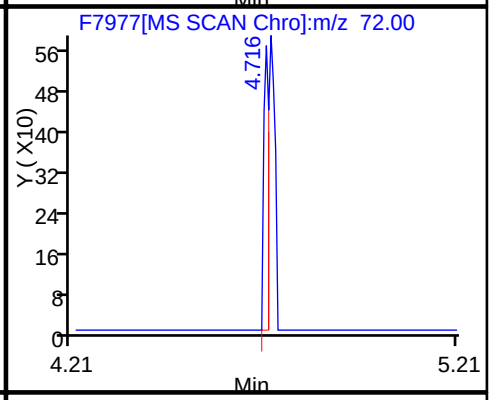
Report Date: 10-Apr-2012 17:48:47 Chrom Revision: 2.0 20-Feb-2012 13:27:02
Data File: \\Bufchrom\ChromData\HP5973F\20120410-10858.b\F7977.D
Injection Date: 10-Apr-2012 17:36:30 Limit Group: MV - 8260B ICAL
Client ID: DUP-03 Instrument ID: HP5973F
Lims Batch ID: 58856 Lims Sample ID: 20
Operator ID: jmb
Column Type: ZB-624 Column Dia: 0.25 mm

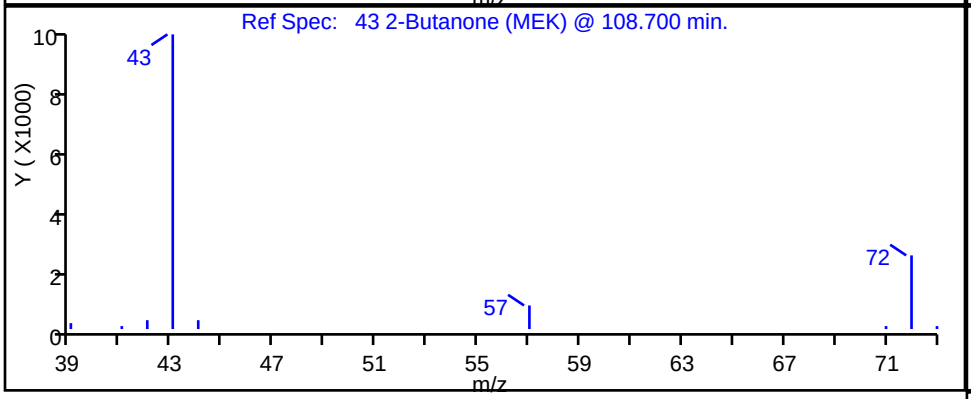
43 2-Butanone (MEK)

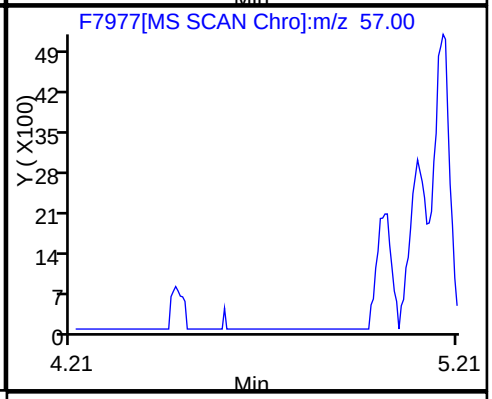


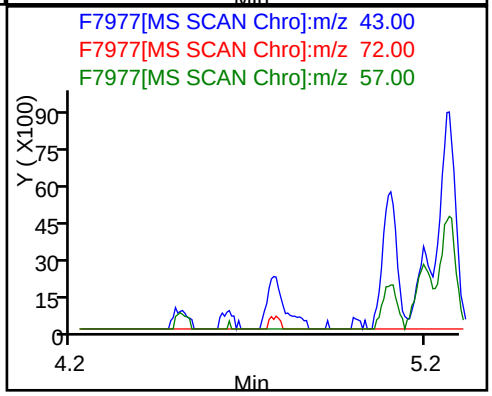










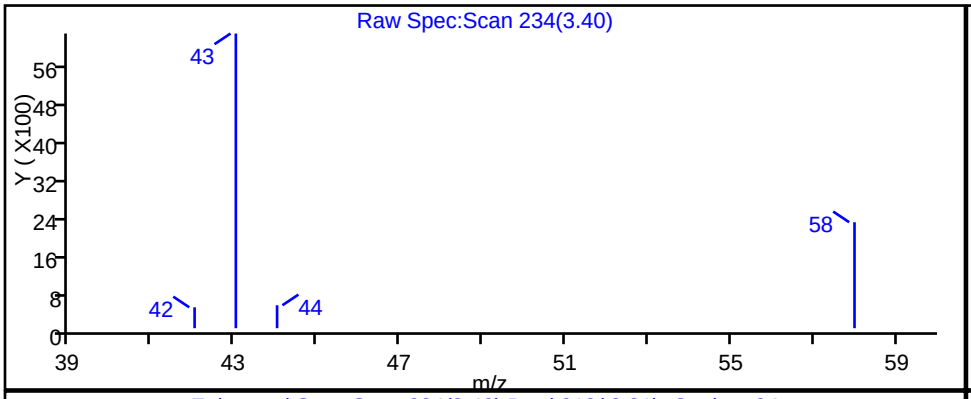


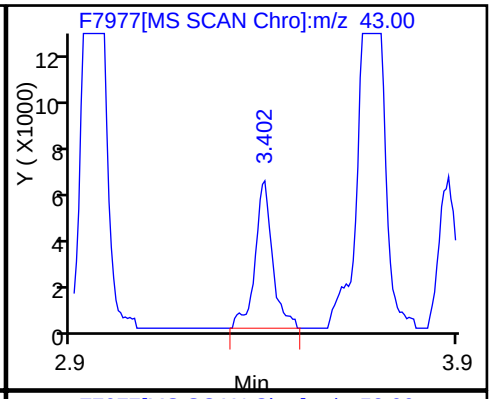
Report Date: 10-Apr-2012 17:48:47 Chrom Revision: 2.0 20-Feb-2012 13:27:02

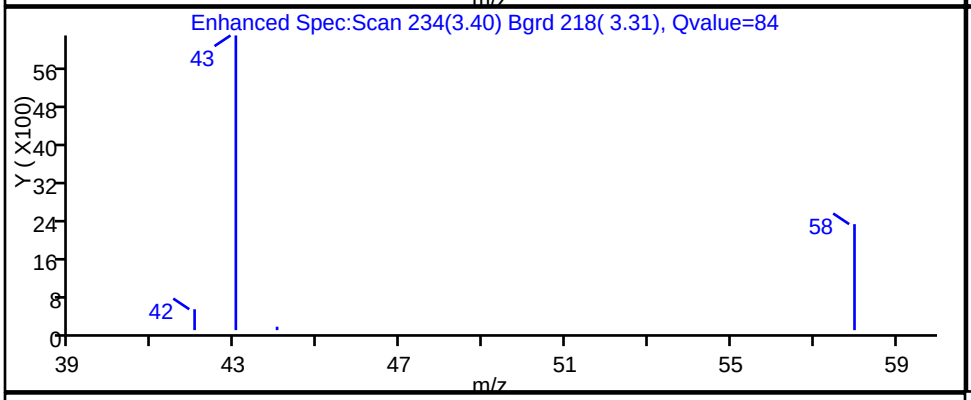
Data File: \\Bufchrom\ChromData\HP5973F\20120410-10858.b\F7977.D

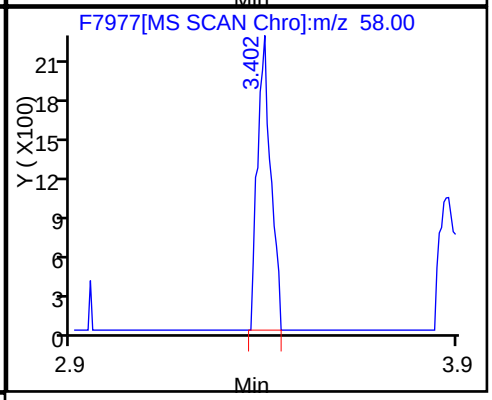
Injection Date:	10-Apr-2012 17:36:30	Limit Group:	MV - 8260B ICAL
Client ID:	DUP-03	Instrument ID:	HP5973F
Lims Batch ID:	58856	Lims Sample ID:	20
Operator ID:	jmb		
Column Type:	ZB-624	Column Dia:	0.25 mm

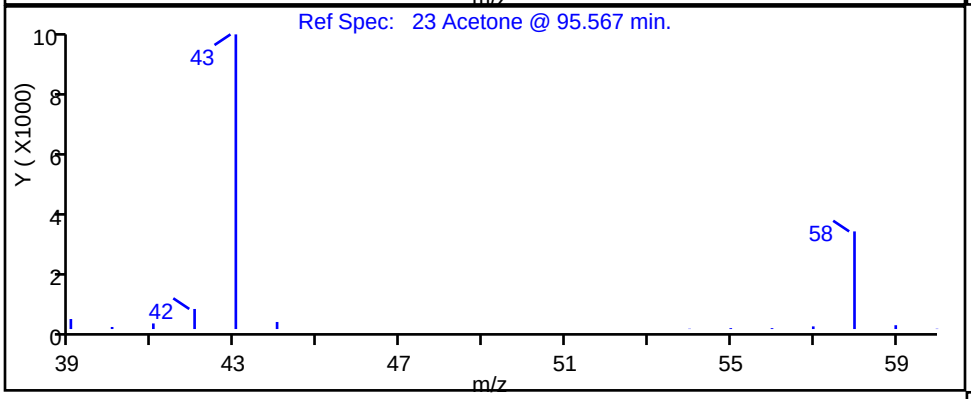
23 Acetone

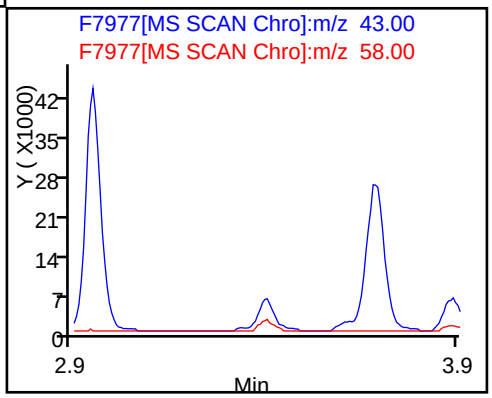










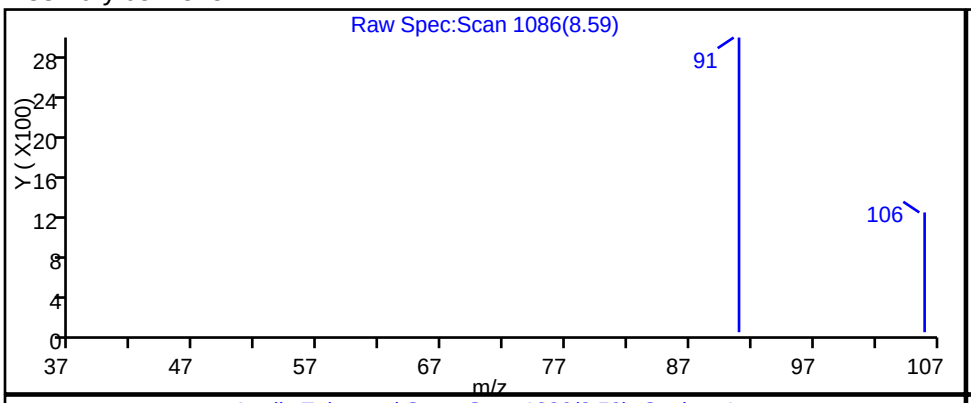


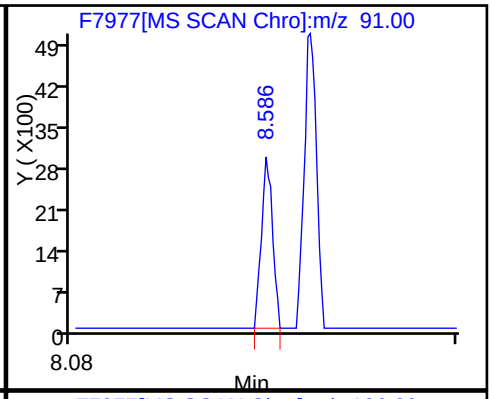
Report Date: 10-Apr-2012 17:48:47 Chrom Revision: 2.0 20-Feb-2012 13:27:02

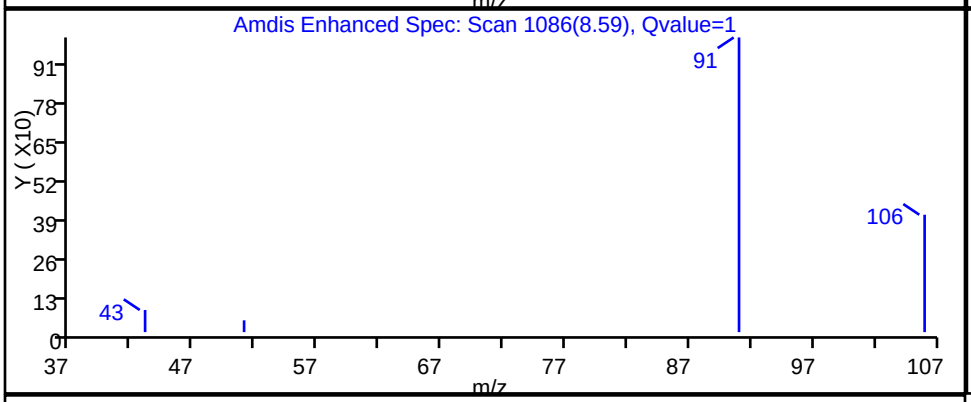
Data File: \\Bufchrom\ChromData\HP5973F\20120410-10858.b\F7977.D

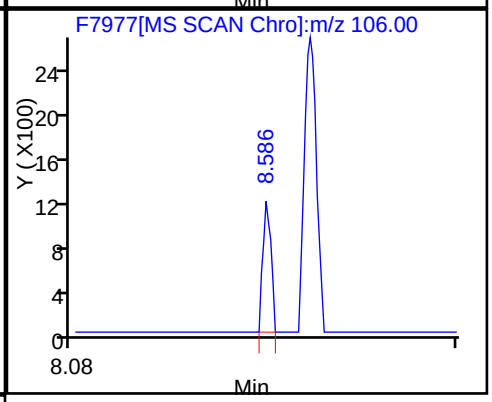
Injection Date:	10-Apr-2012 17:36:30	Limit Group:	MV - 8260B ICAL
Client ID:	DUP-03	Instrument ID:	HP5973F
Lims Batch ID:	58856	Lims Sample ID:	20
Operator ID:	jmb		
Column Type:	ZB-624	Column Dia:	0.25 mm

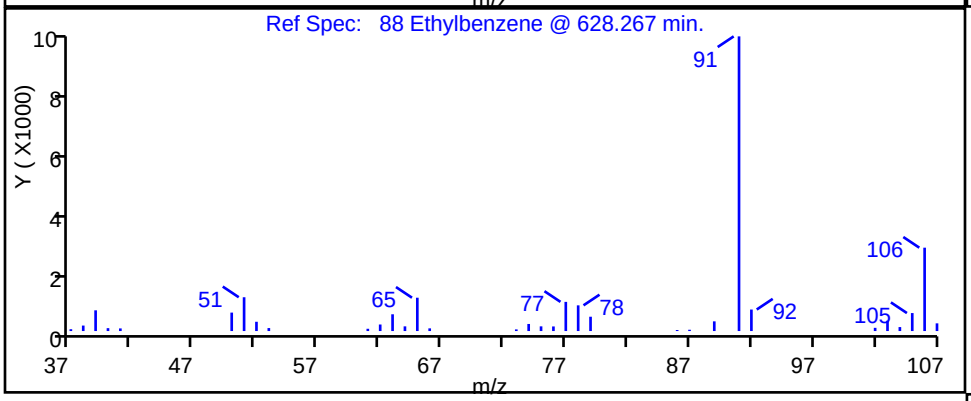
88 Ethylbenzene

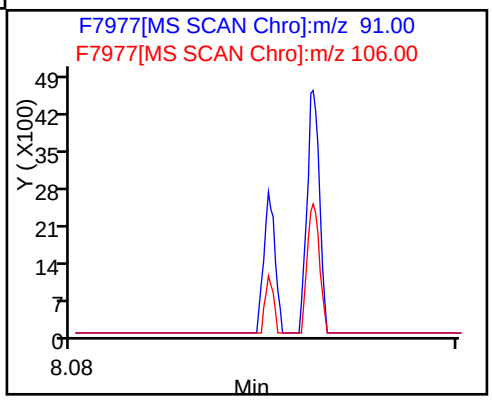










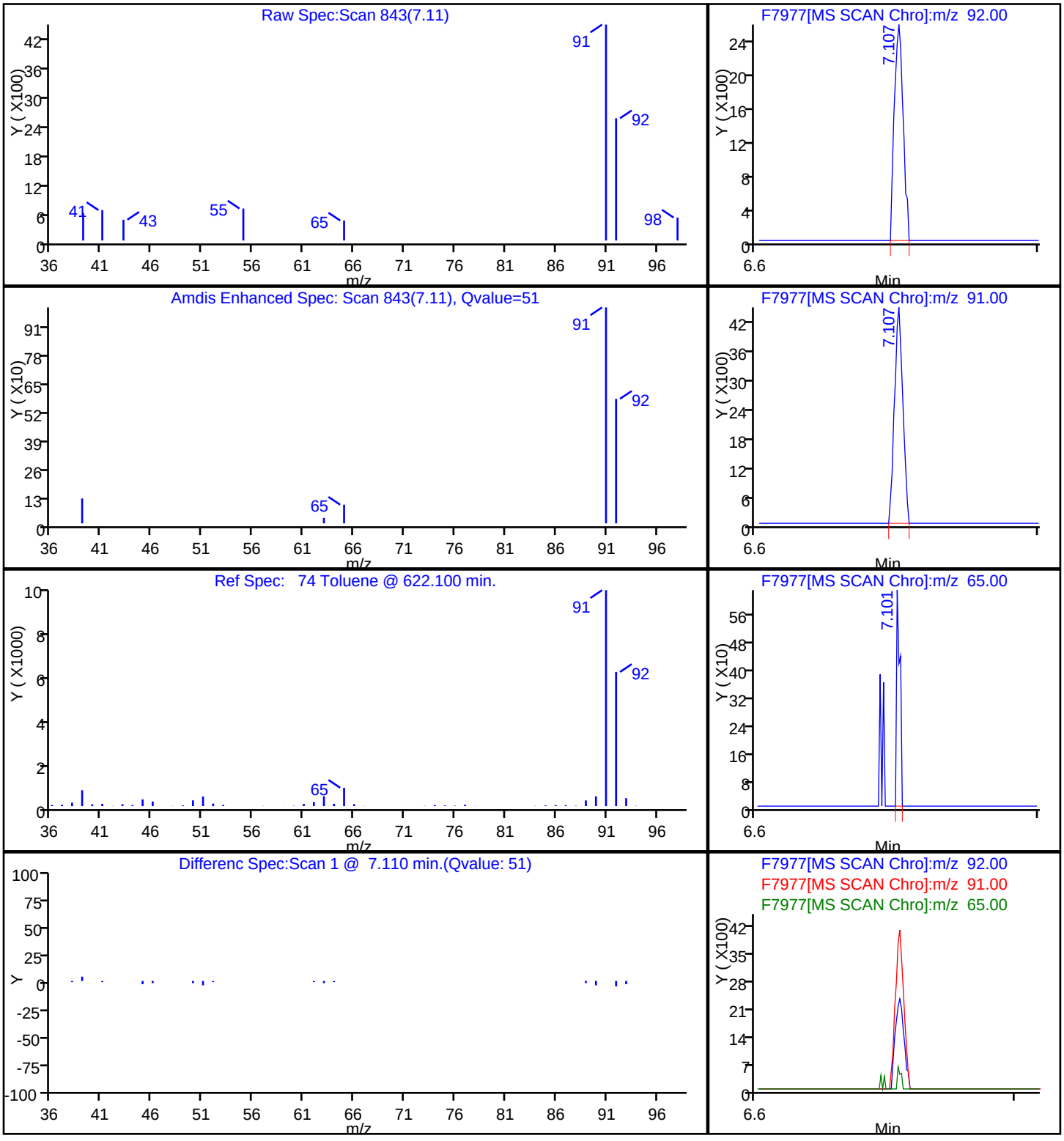


Report Date: 10-Apr-2012 17:48:47 Chrom Revision: 2.0 20-Feb-2012 13:27:02

Data File: \\Bufchrom\ChromData\HP5973F\20120410-10858.b\F7977.D

Injection Date:	10-Apr-2012 17:36:30	Limit Group:	MV - 8260B ICAL
Client ID:	DUP-03	Instrument ID:	HP5973F
Lims Batch ID:	58856	Lims Sample ID:	20
Operator ID:	jmb		
Column Type:	ZB-624	Column Dia:	0.25 mm

74 Toluene

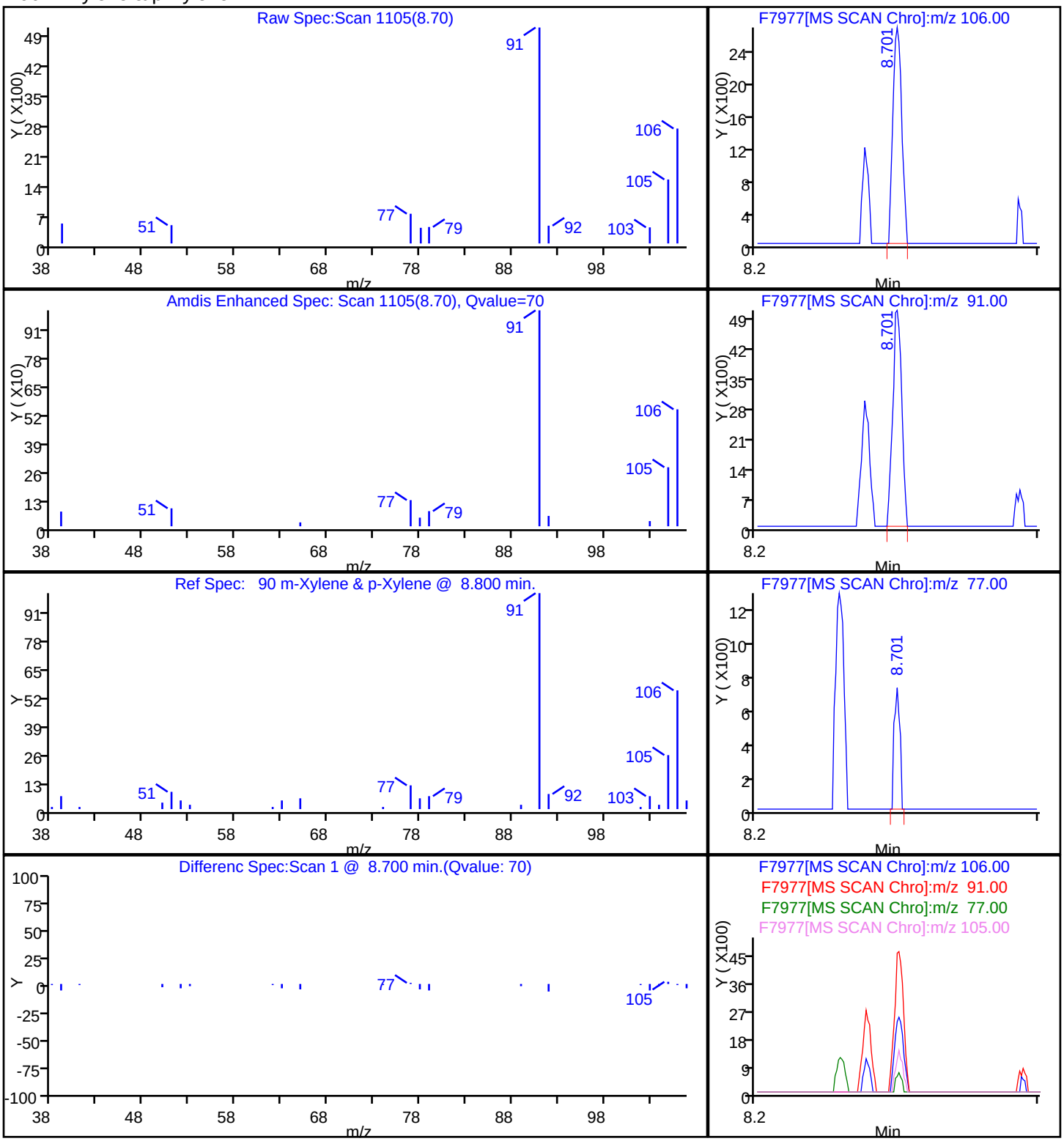


Report Date: 10-Apr-2012 17:48:47 Chrom Revision: 2.0 20-Feb-2012 13:27:02

Data File: \\Bufchrom\ChromData\HP5973F\20120410-10858.b\F7977.D

Injection Date:	10-Apr-2012 17:36:30	Limit Group:	MV - 8260B ICAL
Client ID:	DUP-03	Instrument ID:	HP5973F
Lims Batch ID:	58856	Lims Sample ID:	20
Operator ID:	jmb		
Column Type:	ZB-624	Column Dia:	0.25 mm

90 m-Xylene & p-Xylene

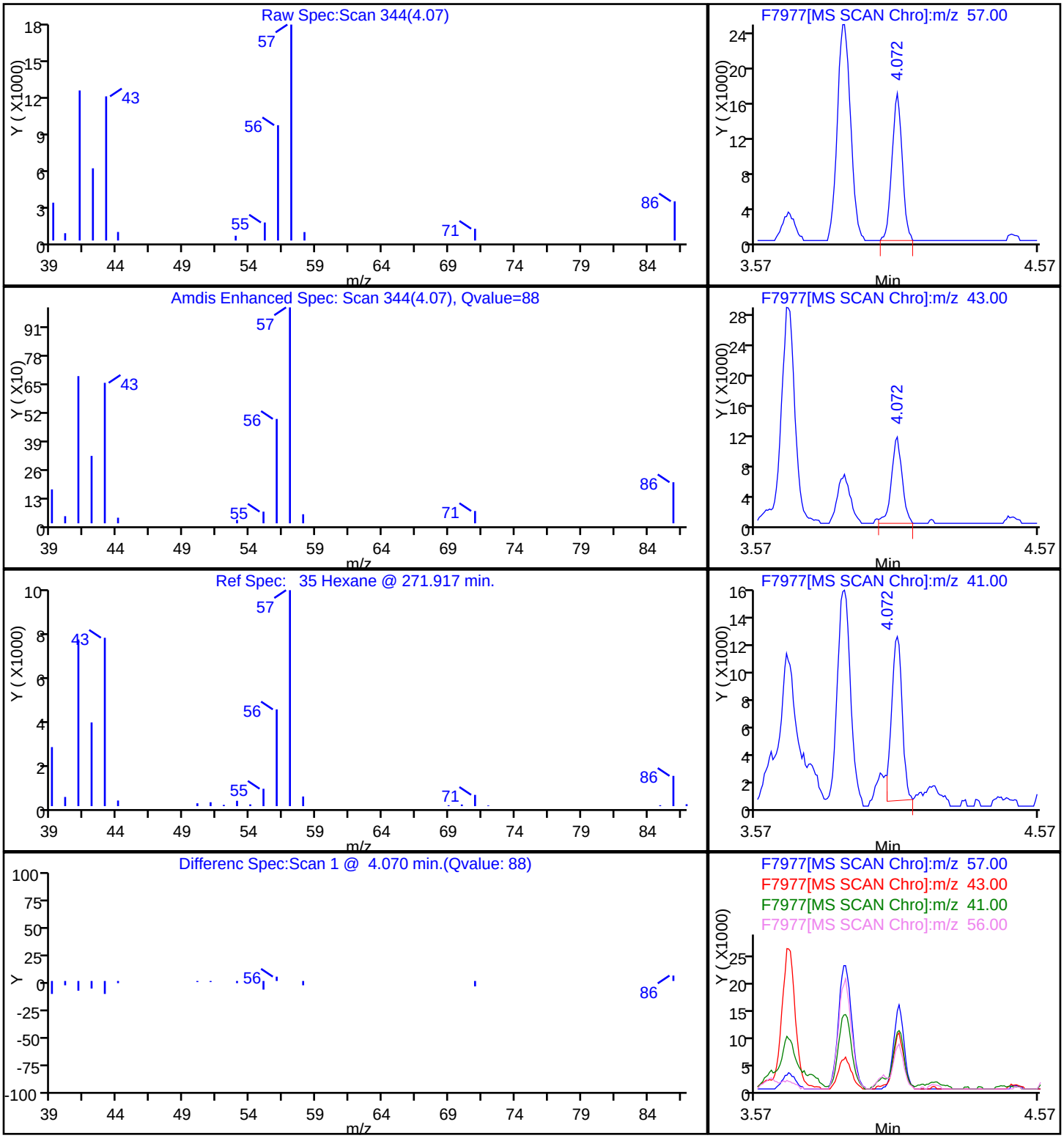


Report Date: 10-Apr-2012 17:48:47 Chrom Revision: 2.0 20-Feb-2012 13:27:02

Data File: \\Bufchrom\ChromData\HP5973F\20120410-10858.b\F7977.D

Injection Date:	10-Apr-2012 17:36:30	Limit Group:	MV - 8260B ICAL
Client ID:	DUP-03	Instrument ID:	HP5973F
Lims Batch ID:	58856	Lims Sample ID:	20
Operator ID:	jmb		
Column Type:	ZB-624	Column Dia:	0.25 mm

35 Hexane

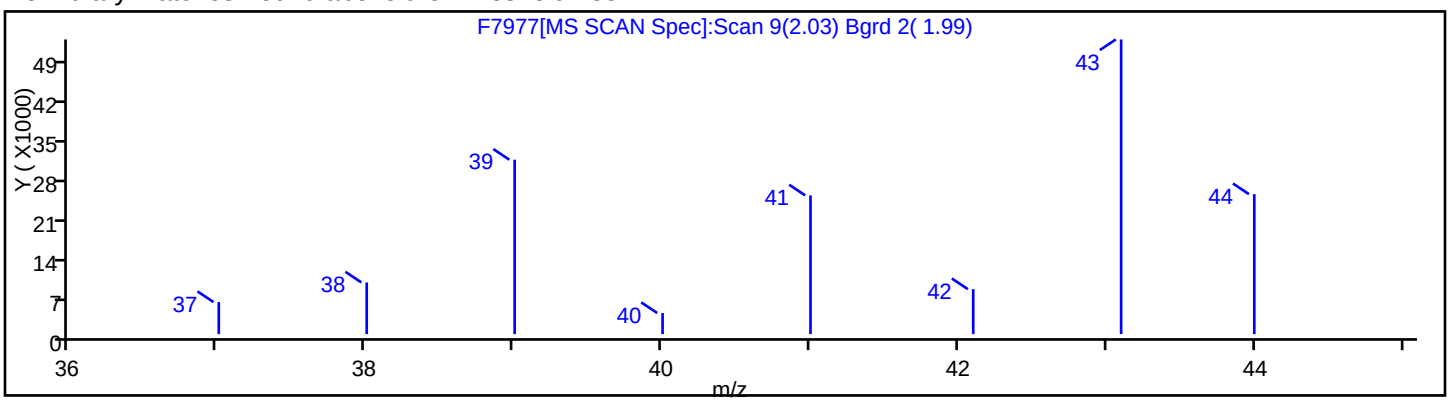


Report Date: 10-Apr-2012 17:48:47 Chrom Revision: 2.0 20-Feb-2012 13:27:02

Data File: \\Bufchrom\ChromData\HP5973F\20120410-10858.b\F7977.D

Injection Date:	10-Apr-2012 17:36:30	Limit Group:	MV - 8260B ICAL
Client ID:	DUP-03	Instrument ID:	HP5973F
Lims Batch ID:	58856	Lims Sample ID:	20
Operator ID:	jmb		
Column Type:	ZB-624	Column Dia:	0.25 mm

No Library Matches Found above the Threshold: 85

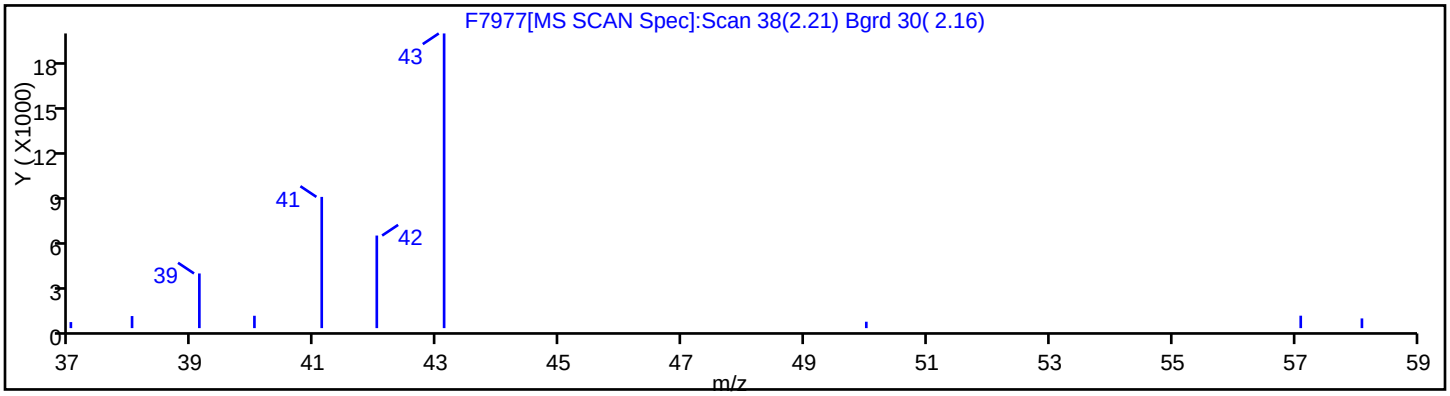


Report Date: 10-Apr-2012 17:48:47 Chrom Revision: 2.0 20-Feb-2012 13:27:02

Data File: \\Bufchrom\ChromData\HP5973F\20120410-10858.b\F7977.D

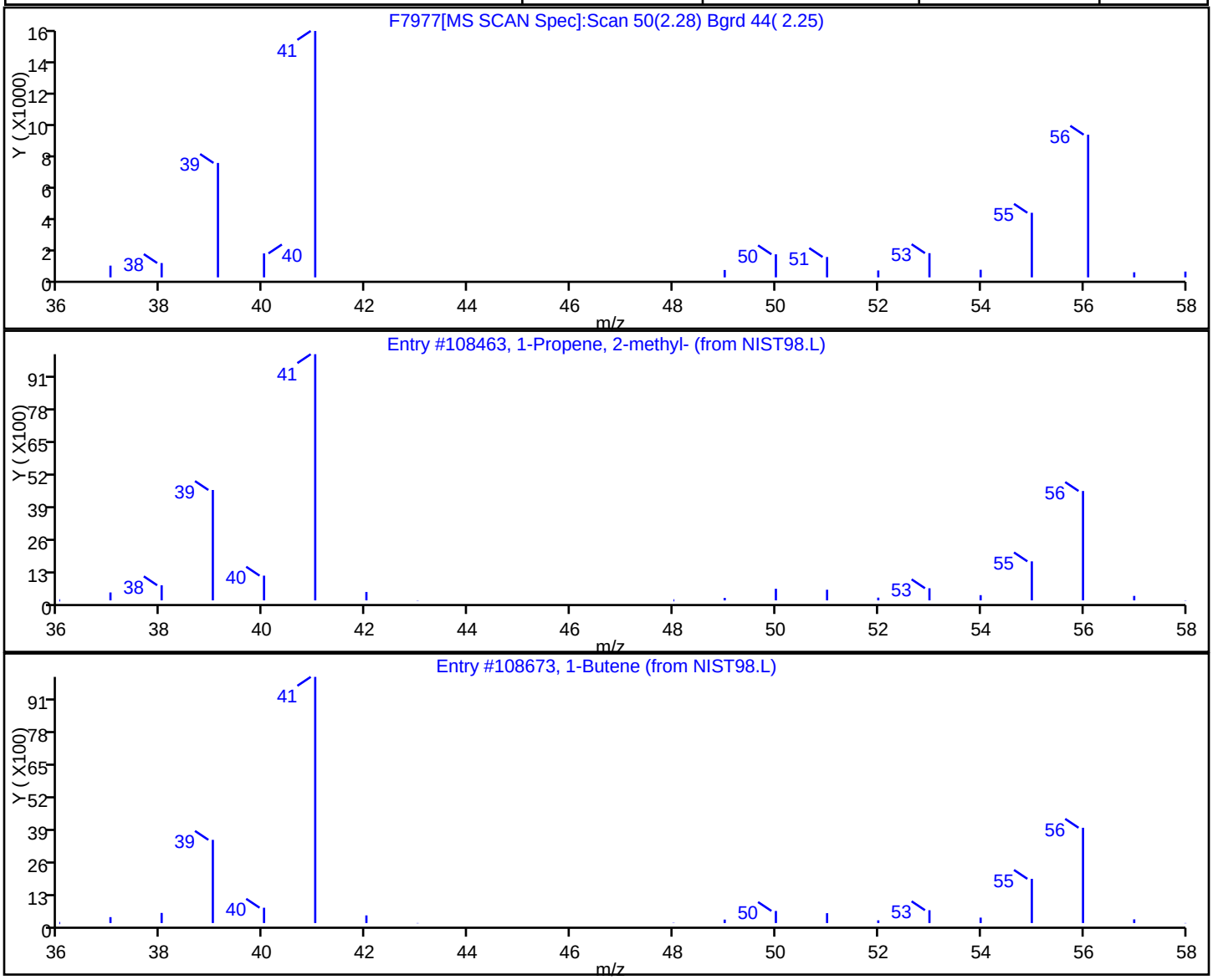
Injection Date:	10-Apr-2012 17:36:30	Limit Group:	MV - 8260B ICAL
Client ID:	DUP-03	Instrument ID:	HP5973F
Lims Batch ID:	58856	Lims Sample ID:	20
Operator ID:	jmb		
Column Type:	ZB-624	Column Dia:	0.25 mm

No Library Matches Found above the Threshold: 85



Report Date: 10-Apr-2012 17:48:47 Chrom Revision: 2.0 20-Feb-2012 13:27:02
Data File: \\Bufchrom\ChromData\HP5973F\20120410-10858.b\F7977.D
Injection Date: 10-Apr-2012 17:36:30 Limit Group: MV - 8260B ICAL
Client ID: DUP-03 Instrument ID: HP5973F
Lims Batch ID: 58856 Lims Sample ID: 20
Operator ID: jmb
Column Type: ZB-624 Column Dia: 0.25 mm

Library Search Compound Match	CAS Number	Library	Entry	Quality
1-Propene, 2-methyl-	115-11-7	NIST98.L	108463	86
1-Butene	106-98-9	NIST98.L	108673	86

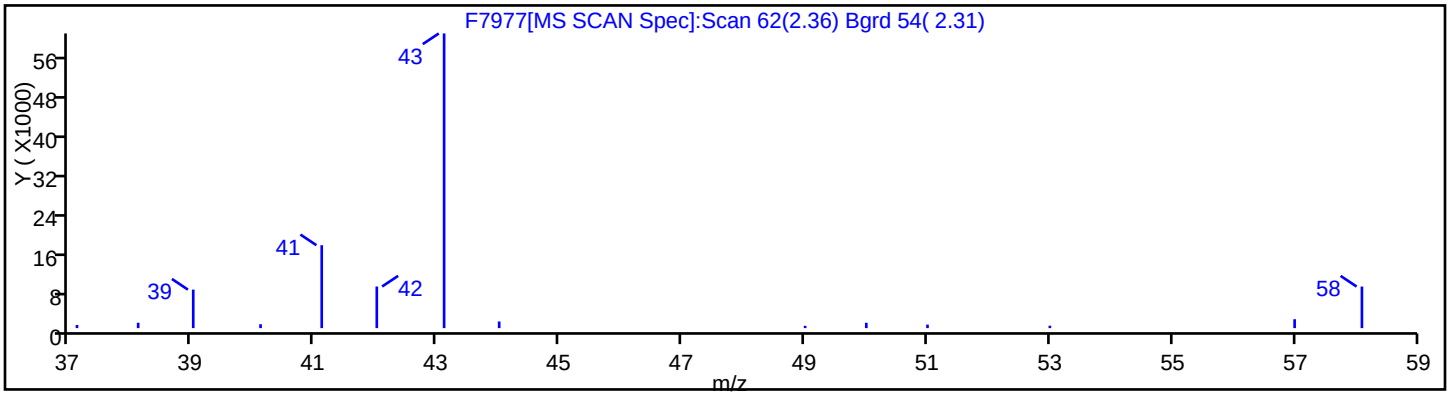


Report Date: 10-Apr-2012 17:48:47 Chrom Revision: 2.0 20-Feb-2012 13:27:02

Data File: \\Bufchrom\ChromData\HP5973F\20120410-10858.b\F7977.D

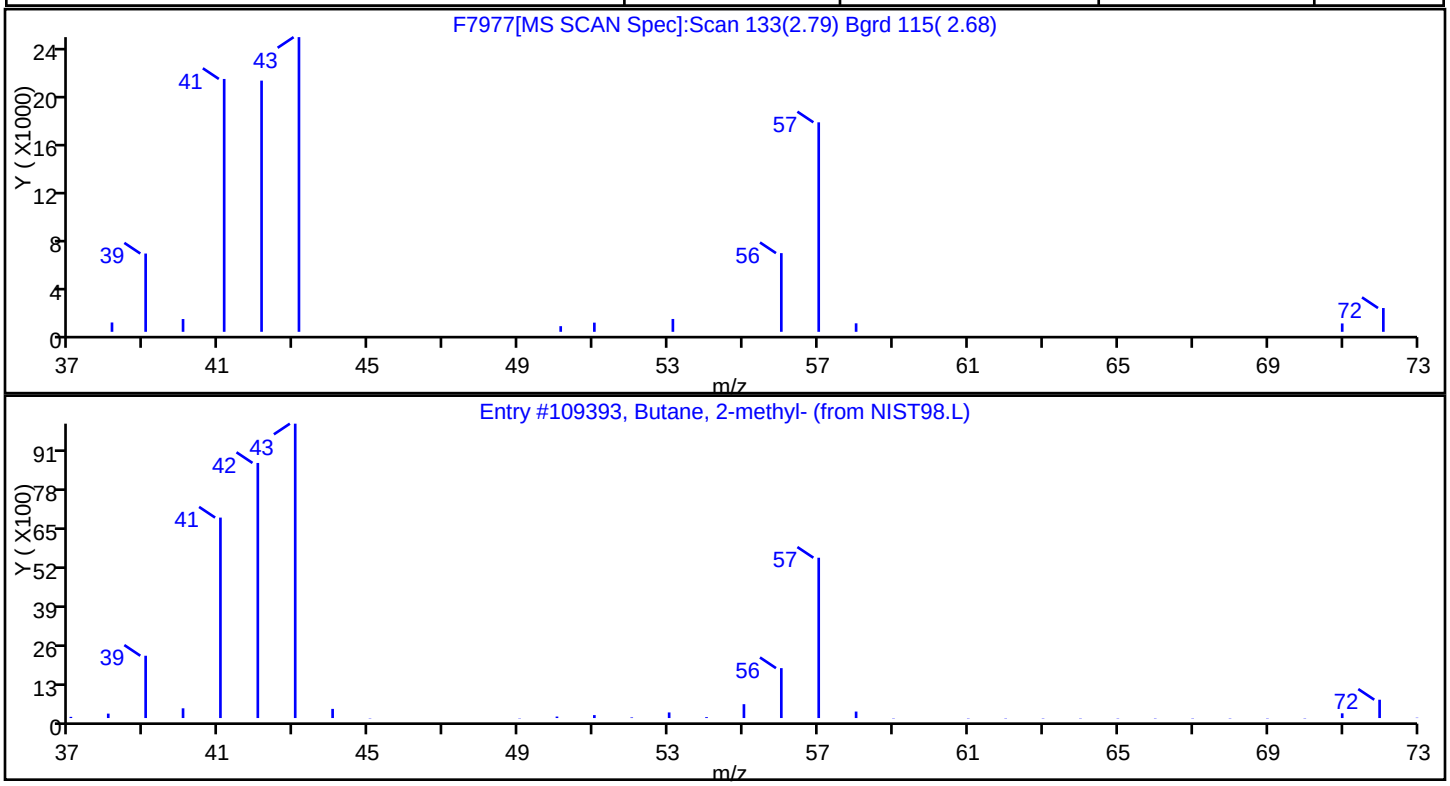
Injection Date:	10-Apr-2012 17:36:30	Limit Group:	MV - 8260B ICAL
Client ID:	DUP-03	Instrument ID:	HP5973F
Lims Batch ID:	58856	Lims Sample ID:	20
Operator ID:	jmb		
Column Type:	ZB-624	Column Dia:	0.25 mm

No Library Matches Found above the Threshold: 85



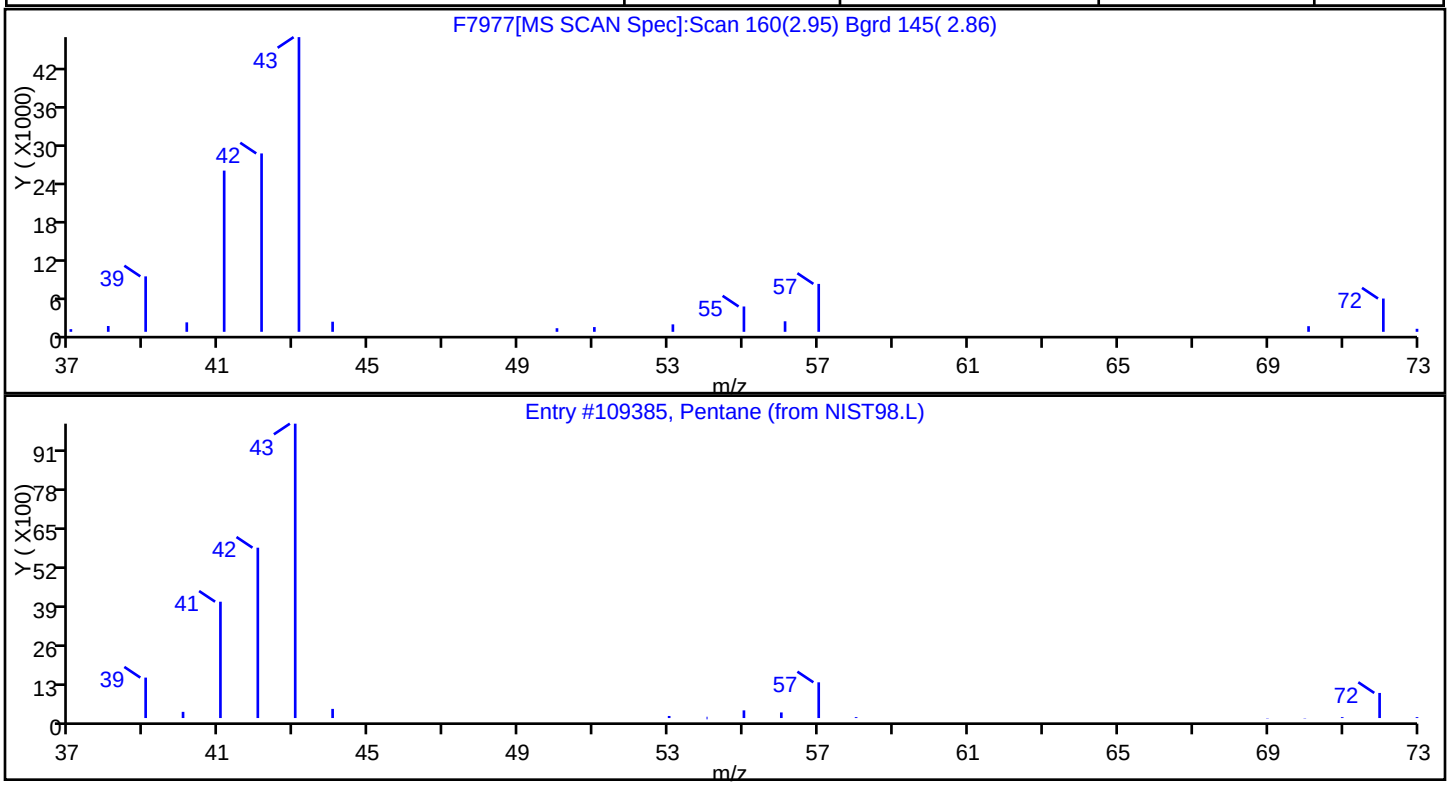
Report Date: 10-Apr-2012 17:48:47 Chrom Revision: 2.0 20-Feb-2012 13:27:02
Data File: \\Bufchrom\ChromData\HP5973F\20120410-10858.b\F7977.D
Injection Date: 10-Apr-2012 17:36:30 Limit Group: MV - 8260B ICAL
Client ID: DUP-03 Instrument ID: HP5973F
Lims Batch ID: 58856 Lims Sample ID: 20
Operator ID: jmb
Column Type: ZB-624 Column Dia: 0.25 mm

Library Search Compound Match	CAS Number	Library	Entry	Quality
Butane, 2-methyl-	78-78-4	NIST98.L	109393	90



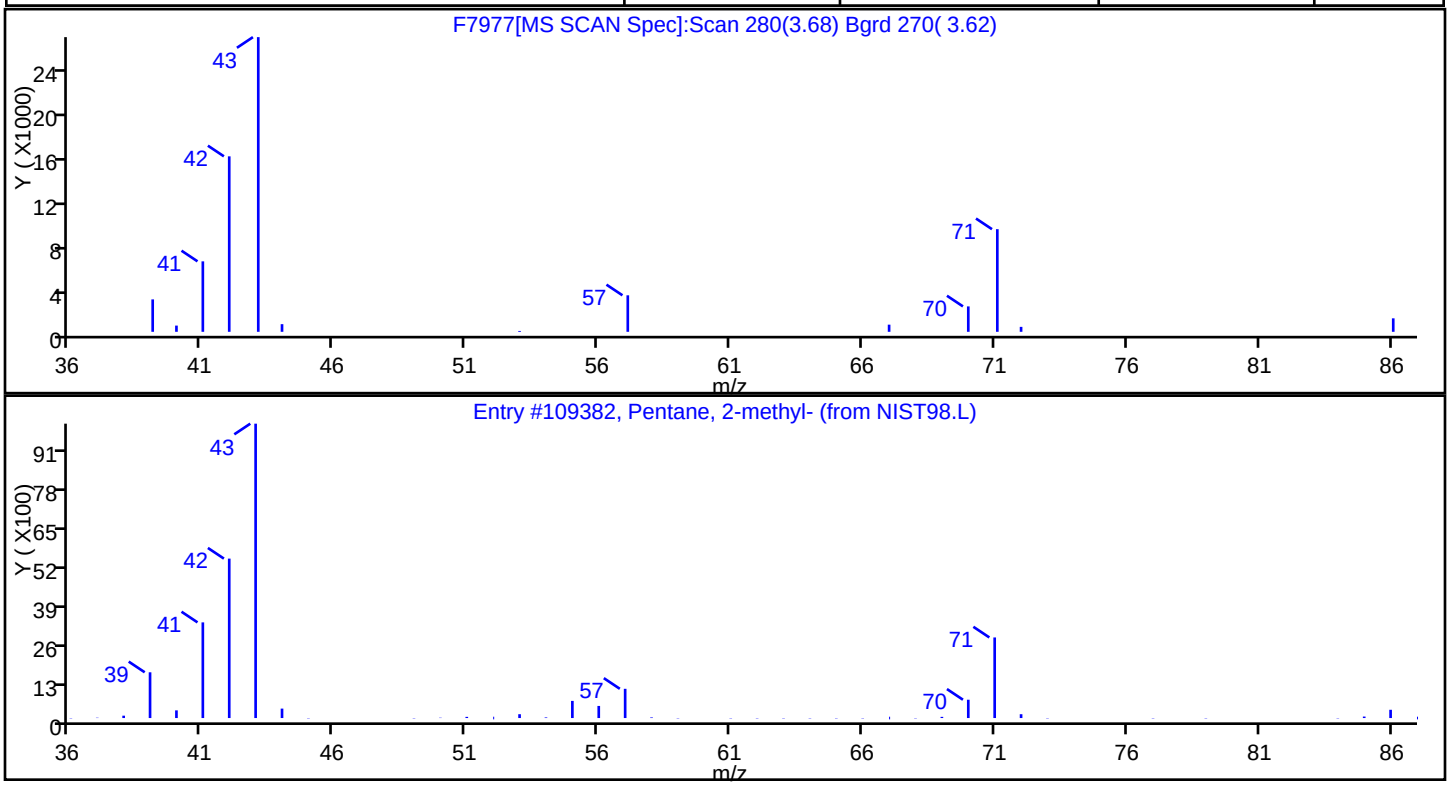
Report Date: 10-Apr-2012 17:48:47 Chrom Revision: 2.0 20-Feb-2012 13:27:02
Data File: \\Bufchrom\ChromData\HP5973F\20120410-10858.b\F7977.D
Injection Date: 10-Apr-2012 17:36:30 Limit Group: MV - 8260B ICAL
Client ID: DUP-03 Instrument ID: HP5973F
Lims Batch ID: 58856 Lims Sample ID: 20
Operator ID: jmb
Column Type: ZB-624 Column Dia: 0.25 mm

Library Search Compound Match	CAS Number	Library	Entry	Quality
Pentane	109-66-0	NIST98.L	109385	86



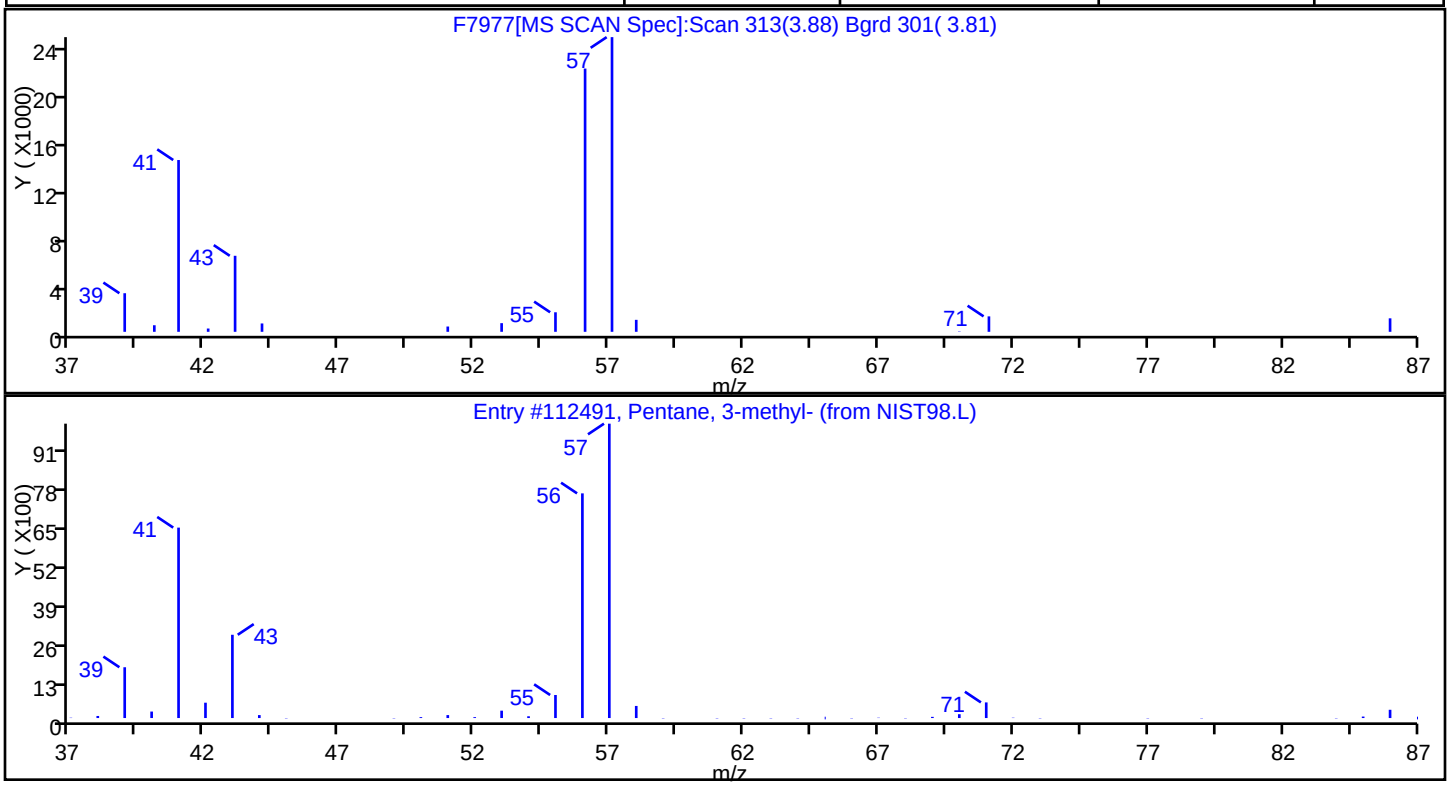
Report Date: 10-Apr-2012 17:48:47 Chrom Revision: 2.0 20-Feb-2012 13:27:02
Data File: \\Bufchrom\ChromData\HP5973F\20120410-10858.b\F7977.D
Injection Date: 10-Apr-2012 17:36:30 Limit Group: MV - 8260B ICAL
Client ID: DUP-03 Instrument ID: HP5973F
Lims Batch ID: 58856 Lims Sample ID: 20
Operator ID: jmb
Column Type: ZB-624 Column Dia: 0.25 mm

Library Search Compound Match	CAS Number	Library	Entry	Quality
Pentane, 2-methyl-	107-83-5	NIST98.L	109382	90



Report Date: 10-Apr-2012 17:48:47 Chrom Revision: 2.0 20-Feb-2012 13:27:02
Data File: \\Bufchrom\ChromData\HP5973F\20120410-10858.b\F7977.D
Injection Date: 10-Apr-2012 17:36:30 Limit Group: MV - 8260B ICAL
Client ID: DUP-03 Instrument ID: HP5973F
Lims Batch ID: 58856 Lims Sample ID: 20
Operator ID: jmb
Column Type: ZB-624 Column Dia: 0.25 mm

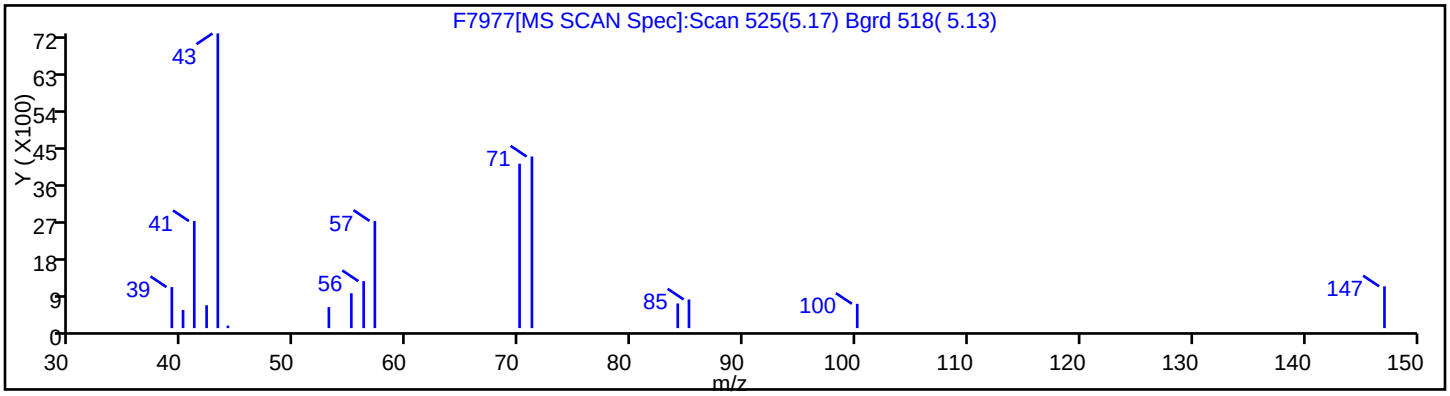
Library Search Compound Match	CAS Number	Library	Entry	Quality
Pentane, 3-methyl-	96-14-0	NIST98.L	112491	90



Report Date: 10-Apr-2012 17:48:47 Chrom Revision: 2.0 20-Feb-2012 13:27:02

Data File:	\\Bufchrom\ChromData\HP5973F\20120410-10858.b\F7977.D		
Injection Date:	10-Apr-2012 17:36:30	Limit Group:	MV - 8260B ICAL
Client ID:	DUP-03	Instrument ID:	HP5973F
Lims Batch ID:	58856	Lims Sample ID:	20
Operator ID:	jmb		
Column Type:	ZB-624	Column Dia:	0.25 mm

No Library Matches Found above the Threshold: 85



FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Buffalo | Job No.: 480-18068-1

SDG No.:

Client Sample ID: EQUIPMENT BLANK | Lab Sample ID: 480-18068-17

Matrix: Water | Lab File ID: G10806.D

Analysis Method: 8260B | Date Collected: 04/03/2012 12:10

Sample wt/vol: 5(mL) | Date Analyzed: 04/07/2012 23:51

Soil Aliquot Vol: | Dilution Factor: 1

Soil Extract Vol.: | GC Column: ZB-624 (60) ID: 0.25(mm)

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

Analysis Batch No.: 58634 | Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
71-55-6	1,1,1-Trichloroethane	ND		1.0	0.82
79-34-5	1,1,2,2-Tetrachloroethane	ND		1.0	0.21
79-00-5	1,1,2-Trichloroethane	ND		1.0	0.23
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	ND		1.0	0.31
75-34-3	1,1-Dichloroethane	ND		1.0	0.38
75-35-4	1,1-Dichloroethene	ND		1.0	0.29
120-82-1	1,2,4-Trichlorobenzene	ND		1.0	0.41
96-12-8	1,2-Dibromo-3-Chloropropane	ND		1.0	0.39
106-93-4	1,2-Dibromoethane	ND		1.0	0.73
95-50-1	1,2-Dichlorobenzene	ND		1.0	0.79
107-06-2	1,2-Dichloroethane	ND		1.0	0.21
78-87-5	1,2-Dichloropropane	ND		1.0	0.72
541-73-1	1,3-Dichlorobenzene	ND		1.0	0.78
106-46-7	1,4-Dichlorobenzene	ND		1.0	0.84
591-78-6	2-Hexanone	ND		5.0	1.2
78-93-3	2-Butanone (MEK)	ND		10	1.3
108-10-1	4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1
67-64-1	Acetone	ND		10	3.0
71-43-2	Benzene	ND		1.0	0.41
75-27-4	Bromodichloromethane	ND		1.0	0.39
75-25-2	Bromoform	ND		1.0	0.26
74-83-9	Bromomethane	ND		1.0	0.69
75-15-0	Carbon disulfide	ND		1.0	0.19
56-23-5	Carbon tetrachloride	ND		1.0	0.27
108-90-7	Chlorobenzene	ND		1.0	0.75
124-48-1	Dibromochloromethane	ND		1.0	0.32
75-00-3	Chloroethane	ND		1.0	0.32
67-66-3	Chloroform	ND		1.0	0.34
74-87-3	Chloromethane	ND		1.0	0.35
156-59-2	cis-1,2-Dichloroethene	ND		1.0	0.81
10061-01-5	cis-1,3-Dichloropropene	ND		1.0	0.36
110-82-7	Cyclohexane	ND		1.0	0.18
75-71-8	Dichlorodifluoromethane	ND		1.0	0.68
100-41-4	Ethylbenzene	ND		1.0	0.74
98-82-8	Isopropylbenzene	ND		1.0	0.79

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Buffalo | Job No.: 480-18068-1

SDG No.:

Client Sample ID: EQUIPMENT BLANK | Lab Sample ID: 480-18068-17

Matrix: Water | Lab File ID: G10806.D

Analysis Method: 8260B | Date Collected: 04/03/2012 12:10

Sample wt/vol: 5(mL) | Date Analyzed: 04/07/2012 23:51

Soil Aliquot Vol: | Dilution Factor: 1

Soil Extract Vol.: | GC Column: ZB-624 (60) ID: 0.25(mm)

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

Analysis Batch No.: 58634 | Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
79-20-9	Methyl acetate	ND		1.0	0.50
1634-04-4	Methyl tert-butyl ether	ND		1.0	0.16
108-87-2	Methylcyclohexane	ND		1.0	0.16
75-09-2	Methylene Chloride	ND		1.0	0.44
100-42-5	Styrene	ND		1.0	0.73
127-18-4	Tetrachloroethene	ND		1.0	0.36
108-88-3	Toluene	ND		1.0	0.51
156-60-5	trans-1,2-Dichloroethene	ND		1.0	0.90
10061-02-6	trans-1,3-Dichloropropene	ND		1.0	0.37
79-01-6	Trichloroethene	ND		1.0	0.46
75-69-4	Trichlorofluoromethane	ND		1.0	0.88
75-01-4	Vinyl chloride	ND		1.0	0.90
1330-20-7	Xylenes, Total	ND		2.0	0.66

CAS NO.	SURROGATE	%REC	Q	LIMITS
17060-07-0	1,2-Dichloroethane-d4 (Surr)	104		66-137
2037-26-5	Toluene-d8 (Surr)	108		71-126
460-00-4	4-Bromofluorobenzene (Surr)	109		73-120

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

Lab Name: TestAmerica Buffalo | Job No.: 480-18068-1

SDG No.:

Client Sample ID: EQUIPMENT BLANK | Lab Sample ID: 480-18068-17

Matrix: Water | Lab File ID: G10806.D

Analysis Method: 8260B | Date Collected: 04/03/2012 12:10

Sample wt/vol: 5(mL) | Date Analyzed: 04/07/2012 23:51

Soil Aliquot Vol: | Dilution Factor: 1

Soil Extract Vol.: | GC Column: ZB-624 (60) ID: 0.25(mm)

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

Analysis Batch No.: 58634 | Units: ug/L

Number TICs Found: 0 | TIC Result Total: 0

CAS NO.	COMPOUND NAME	RT	RESULT	Q
	Tentatively Identified Compound		None	

TestAmerica Laboratories
Target Compound Quantitation Report

Data File:	\\Bufchrom\ChromData\HP5973G\20120407-10813.b\G10806.D		
Lims ID:	480-18068-C-17	Client ID:	EQUIPMENT BLANK
Inject. Date:	07-Apr-2012 23:51:30	Dil. Factor:	1.0000
Sample Type:	Client		
Sample ID:	480-18068-C-17		
Misc. Info.:	480-0010813-007 =480-0010813-007		
Operator:	DHC	Instrument ID:	HP5973G
Vol. Injected:	1.0000	ALS Bottle#:	33
Lims Batch ID:	58634	Lims Sample ID:	7
Detector:	MS SCAN		
Method:	\\Bufchrom\ChromData\HP5973G\20120407-10813.b\G-8260.m		
Last Update:	09-Apr-2012 16:48:44	Calib Date:	24-Mar-2012 03:26:30
Quant Method:	Internal Standard	Quant By:	Initial Calibration
Last ICal File:	\\Bufchrom\ChromData\HP5973G\20120323-10429.b\G10255.D		
Limit Group:	MV - 8260B ICAL		
Integrator:	RTE	ID Type:	Deconvolution ID
Process Host:	CORP-CTX-16		
First Level Reviewer: HillL		Date:	08-Apr-2012 15:51:32

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/L	Flags
* 1 1,4-Difluorobenzene	114	5.356	5.356	0.0	96	207238	25.0	
* 2 Chlorobenzene-d5	82	8.221	8.221	0.0	89	109065	25.0	
* 3 1,4-Dichlorobenzene-d4	152	10.629	10.629	0.0	97	100890	25.0	
$ 4 1,2-Dichloroethane-d4 (Surr)	67	4.978	4.972	0.006	0	43488	26.0	
$ 5 Toluene-d8 (Surr)	98	6.746	6.740	0.006	93	283722	26.9	
$ 6 4-Bromofluorobenzene (Surr)	174	9.477	9.477	0.0	83	75871	27.2	
10 Dichlorodifluoromethane	85		1.241					
12 Chloromethane	50		1.375					
13 Vinyl chloride	62		1.491					
14 Bromomethane	94		1.747					
15 Chloroethane	64		1.881					
17 Trichlorofluoromethane	101		2.094					
20 1,1-Dichloroethene	96		2.558					
21 1,1,2-Trichloro-1,2,2-trifluoroe	101		2.564					
22 Acetone	43		2.655					
24 Carbon disulfide	76		2.765					
28 Methyl acetate	43		2.936					
29 Methylene Chloride	84		3.082					
31 Methyl tert-butyl ether	73		3.241					
32 trans-1,2-Dichloroethene	96		3.241					
36 1,1-Dichloroethane	63		3.655					
43 cis-1,2-Dichloroethene	96		4.204					
44 2-Butanone (MEK)	43		4.253					
50 Chloroform	85		4.515					
51 1,1,1-Trichloroethane	97		4.618					
52 Cyclohexane	56		4.618					
53 Carbon tetrachloride	117		4.752					
56 Benzene	78		4.972					
57 1,2-Dichloroethane	62		5.045					
61 Trichloroethene	95		5.582					
62 Methylcyclohexane	83		5.691					

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/L	Flags
63 1,2-Dichloropropane	63		5.819					
67 Dichlorobromomethane	83		6.112					
72 cis-1,3-Dichloropropene	75		6.527					
73 4-Methyl-2-pentanone (MIBK)	43		6.679					
74 Toluene	92		6.807					
76 trans-1,3-Dichloropropene	75		7.093					
79 1,1,2-Trichloroethane	83		7.282					
80 Tetrachloroethene	166		7.331					
82 2-Hexanone	43		7.514					
83 Chlorodibromomethane	129		7.673					
84 Ethylene Dibromide	107		7.776					
86 Chlorobenzene	112		8.246					
89 Ethylbenzene	91		8.343					
90 m-Xylene & p-Xylene	106		8.465					
91 o-Xylene	106		8.892					
92 Styrene	104		8.922					
93 Bromoform	173		9.172					
95 Isopropylbenzene	105		9.276					
98 1,1,2,2-Tetrachloroethane	83		9.697					
110 1,3-Dichlorobenzene	146		10.562					
113 1,4-Dichlorobenzene	146		10.654					
116 1,2-Dichlorobenzene	146		11.007					
117 1,2-Dibromo-3-Chloropropane	75		11.751					
119 1,2,4-Trichlorobenzene	180		12.422					
S 124 Xylenes, Total	1		30.000					7

QC Flag Legend

Processing Flags
7 - Failed Limit of Detection

TestAmerica Laboratories
Tentatively Identified Quantitation Report

Data File:	\\Bufchrom\ChromData\HP5973G\20120407-10813.b\G10806.D		
Lims ID:	480-18068-C-17	Client ID:	EQUIPMENT BLANK
Inject. Date:	07-Apr-2012 23:51:30	Dil. Factor:	1.0000
Sample Type:	Client		
Sample ID:	480-18068-C-17		
Misc. Info.:	480-0010813-007 =480-0010813-007		
Operator:	DHC	Instrument ID:	HP5973G
Vol. Injected:	1.0000	ALS Bottle#:	33
Lims Batch ID:	58634	Lims Sample ID:	7
Detector:	MS SCAN		
Method:	\\Bufchrom\ChromData\HP5973G\20120407-10813.b\G-8260.m		
Last Update:	09-Apr-2012 16:48:44	Calib Date:	24-Mar-2012 03:26:30
Tic RT Window:	1.500 -0.000	Response:	area
Quant By:	Nearest ISTD	Quant LOD:	10.00000
MS Library:	\\Bufchrom\ChromData\Database\NIST98.L		
Min. Match:	25		
Process Host:	CORP-CTX-16		
First Level Reviewer: HillL		Date:	08-Apr-2012 15:51:32

Calibrated Tentative Identified Compound Results

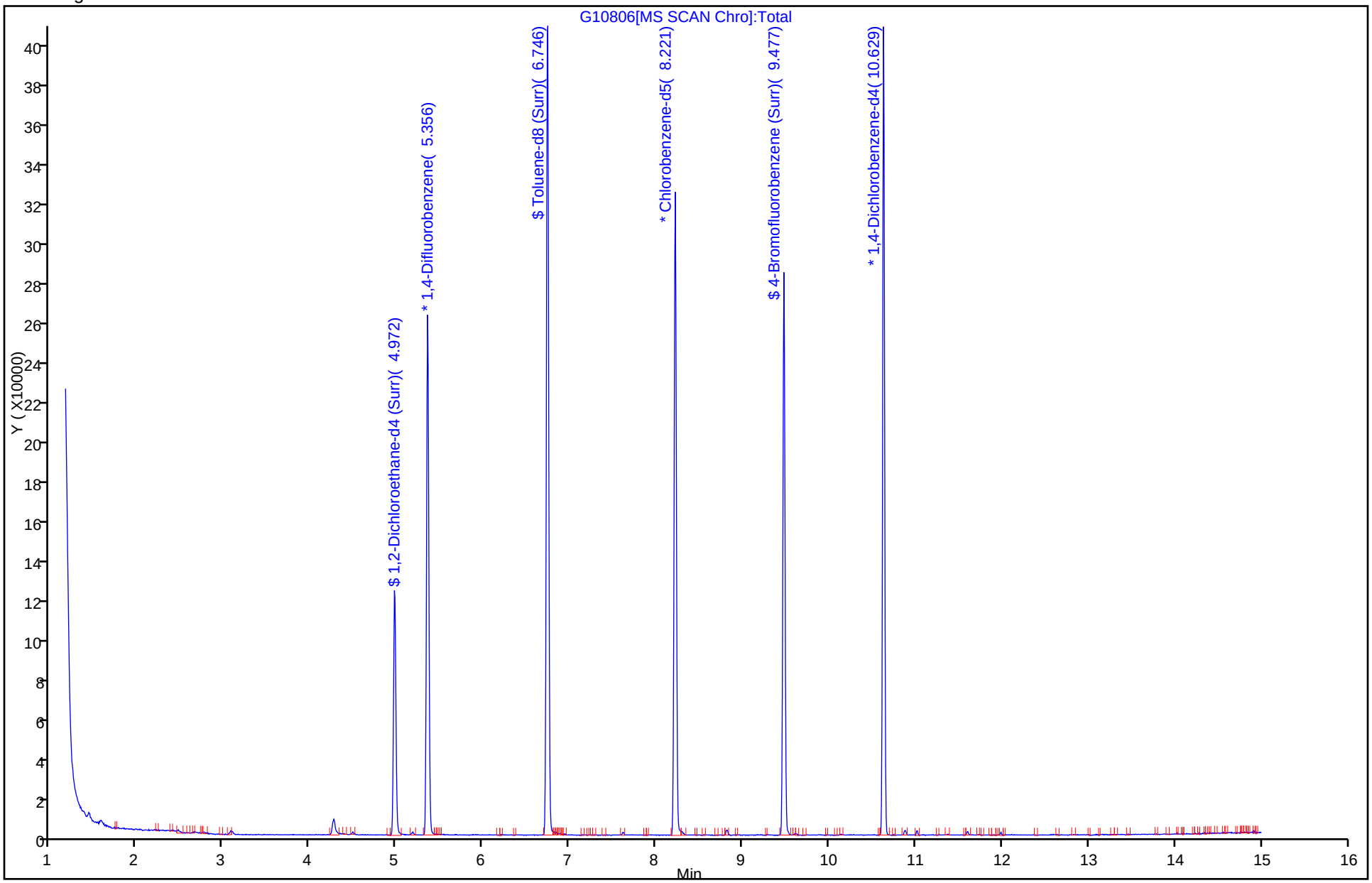
Compound	RT	Response	Amount ug/L	Flags
Tetrahydrofuran	4.484	857	0.4313	

Report Date: 10-Apr-2012 00:56:39 Chrom Revision: 2.0 20-Feb-2012 13:27:02

Data File: \\Bufchrom\ChromData\HP5973G\20120407-10813.b\G10806.D

Injection Date:	07-Apr-2012 23:51:30	Limit Group:	MV - 8260B ICAL
Client ID:	EQUIPMENT BLANK	Instrument ID:	HP5973G
Lims Batch ID:	58634	Lims Sample ID:	7
Operator ID:	DHC		
Column Type:	ZB-624	Column Dia:	0.25 mm

Y Scaling:



FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Buffalo | Job No.: 480-18068-1

SDG No.:

Client Sample ID: TRIP BLANK | Lab Sample ID: 480-18068-18

Matrix: Water | Lab File ID: G10807.D

Analysis Method: 8260B | Date Collected: 04/03/2012 00:00

Sample wt/vol: 5(mL) | Date Analyzed: 04/08/2012 00:14

Soil Aliquot Vol: | Dilution Factor: 1

Soil Extract Vol.: | GC Column: ZB-624 (60) ID: 0.25(mm)

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

Analysis Batch No.: 58634 | Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
71-55-6	1,1,1-Trichloroethane	ND		1.0	0.82
79-34-5	1,1,2,2-Tetrachloroethane	ND		1.0	0.21
79-00-5	1,1,2-Trichloroethane	ND		1.0	0.23
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	ND		1.0	0.31
75-34-3	1,1-Dichloroethane	ND		1.0	0.38
75-35-4	1,1-Dichloroethene	ND		1.0	0.29
120-82-1	1,2,4-Trichlorobenzene	ND		1.0	0.41
96-12-8	1,2-Dibromo-3-Chloropropane	ND		1.0	0.39
106-93-4	1,2-Dibromoethane	ND		1.0	0.73
95-50-1	1,2-Dichlorobenzene	ND		1.0	0.79
107-06-2	1,2-Dichloroethane	ND		1.0	0.21
78-87-5	1,2-Dichloropropane	ND		1.0	0.72
541-73-1	1,3-Dichlorobenzene	ND		1.0	0.78
106-46-7	1,4-Dichlorobenzene	ND		1.0	0.84
591-78-6	2-Hexanone	ND		5.0	1.2
78-93-3	2-Butanone (MEK)	ND		10	1.3
108-10-1	4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1
67-64-1	Acetone	ND		10	3.0
71-43-2	Benzene	ND		1.0	0.41
75-27-4	Bromodichloromethane	ND		1.0	0.39
75-25-2	Bromoform	ND		1.0	0.26
74-83-9	Bromomethane	ND		1.0	0.69
75-15-0	Carbon disulfide	ND		1.0	0.19
56-23-5	Carbon tetrachloride	ND		1.0	0.27
108-90-7	Chlorobenzene	ND		1.0	0.75
124-48-1	Dibromochloromethane	ND		1.0	0.32
75-00-3	Chloroethane	ND		1.0	0.32
67-66-3	Chloroform	ND		1.0	0.34
74-87-3	Chloromethane	ND		1.0	0.35
156-59-2	cis-1,2-Dichloroethene	ND		1.0	0.81
10061-01-5	cis-1,3-Dichloropropene	ND		1.0	0.36
110-82-7	Cyclohexane	ND		1.0	0.18
75-71-8	Dichlorodifluoromethane	ND		1.0	0.68
100-41-4	Ethylbenzene	ND		1.0	0.74
98-82-8	Isopropylbenzene	ND		1.0	0.79

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Buffalo | Job No.: 480-18068-1

SDG No.:

Client Sample ID: TRIP BLANK | Lab Sample ID: 480-18068-18

Matrix: Water | Lab File ID: G10807.D

Analysis Method: 8260B | Date Collected: 04/03/2012 00:00

Sample wt/vol: 5(mL) | Date Analyzed: 04/08/2012 00:14

Soil Aliquot Vol: | Dilution Factor: 1

Soil Extract Vol.: | GC Column: ZB-624 (60) ID: 0.25(mm)

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

Analysis Batch No.: 58634 | Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
79-20-9	Methyl acetate	ND		1.0	0.50
1634-04-4	Methyl tert-butyl ether	ND		1.0	0.16
108-87-2	Methylcyclohexane	ND		1.0	0.16
75-09-2	Methylene Chloride	ND		1.0	0.44
100-42-5	Styrene	ND		1.0	0.73
127-18-4	Tetrachloroethene	ND		1.0	0.36
108-88-3	Toluene	ND		1.0	0.51
156-60-5	trans-1,2-Dichloroethene	ND		1.0	0.90
10061-02-6	trans-1,3-Dichloropropene	ND		1.0	0.37
79-01-6	Trichloroethene	ND		1.0	0.46
75-69-4	Trichlorofluoromethane	ND		1.0	0.88
75-01-4	Vinyl chloride	ND		1.0	0.90
1330-20-7	Xylenes, Total	ND		2.0	0.66

CAS NO.	SURROGATE	%REC	Q	LIMITS
17060-07-0	1,2-Dichloroethane-d4 (Surr)	107		66-137
2037-26-5	Toluene-d8 (Surr)	110		71-126
460-00-4	4-Bromofluorobenzene (Surr)	110		73-120

TestAmerica Laboratories
Target Compound Quantitation Report

Data File:	\\Bufchrom\ChromData\HP5973G\20120407-10813.b\G10807.D		
Lims ID:	480-18068-A-18	Client ID:	TRIP BLANK
Inject. Date:	08-Apr-2012 00:14:30	Dil. Factor:	1.0000
Sample Type:	Client		
Sample ID:	480-18068-A-18		
Misc. Info.:	480-0010813-008 =480-0010813-008		
Operator:	DHC	Instrument ID:	HP5973G
Vol. Injected:	1.0000	ALS Bottle#:	34
Lims Batch ID:	58634	Lims Sample ID:	8
Detector:	MS SCAN		
Method:	\\Bufchrom\ChromData\HP5973G\20120407-10813.b\G-8260.m		
Last Update:	09-Apr-2012 16:48:44	Calib Date:	24-Mar-2012 03:26:30
Quant Method:	Internal Standard	Quant By:	Initial Calibration
Last ICal File:	\\Bufchrom\ChromData\HP5973G\20120323-10429.b\G10255.D		
Limit Group:	MV - 8260B ICAL		
Integrator:	RTE	ID Type:	Deconvolution ID
Process Host:	CORP-CTX-16		
First Level Reviewer: HillL		Date:	08-Apr-2012 15:51:39

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/L	Flags
* 1 1,4-Difluorobenzene	114	5.356	5.356	0.0	96	201043	25.0	
* 2 Chlorobenzene-d5	82	8.221	8.221	0.0	88	105459	25.0	
* 3 1,4-Dichlorobenzene-d4	152	10.629	10.629	0.0	97	99205	25.0	
$ 4 1,2-Dichloroethane-d4 (Surr)	67	4.978	4.972	0.006	0	43269	26.7	
$ 5 Toluene-d8 (Surr)	98	6.746	6.740	0.006	93	281583	27.6	
$ 6 4-Bromofluorobenzene (Surr)	174	9.477	9.477	0.0	83	74216	27.6	
10 Dichlorodifluoromethane	85		1.241					
12 Chloromethane	50		1.375					
13 Vinyl chloride	62		1.491					
14 Bromomethane	94		1.747					
15 Chloroethane	64		1.881					
17 Trichlorofluoromethane	101		2.094					
20 1,1-Dichloroethene	96		2.558					
21 1,1,2-Trichloro-1,2,2-trifluoroe	101		2.564					
22 Acetone	43		2.655					
24 Carbon disulfide	76		2.765					
28 Methyl acetate	43		2.936					
29 Methylene Chloride	84		3.082					
31 Methyl tert-butyl ether	73		3.241					
32 trans-1,2-Dichloroethene	96		3.241					
36 1,1-Dichloroethane	63		3.655					
43 cis-1,2-Dichloroethene	96		4.204					
44 2-Butanone (MEK)	43		4.253					
50 Chloroform	85		4.515					
51 1,1,1-Trichloroethane	97		4.618					
52 Cyclohexane	56		4.618					
53 Carbon tetrachloride	117		4.752					
56 Benzene	78		4.972					
57 1,2-Dichloroethane	62		5.045					
61 Trichloroethene	95		5.582					
62 Methylcyclohexane	83		5.691					

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/L	Flags
63 1,2-Dichloropropane	63		5.819					
67 Dichlorobromomethane	83		6.112					
72 cis-1,3-Dichloropropene	75		6.527					
73 4-Methyl-2-pentanone (MIBK)	43		6.679					
74 Toluene	92		6.807					
76 trans-1,3-Dichloropropene	75		7.093					
79 1,1,2-Trichloroethane	83		7.282					
80 Tetrachloroethene	166		7.331					
82 2-Hexanone	43		7.514					
83 Chlorodibromomethane	129		7.673					
84 Ethylene Dibromide	107		7.776					
86 Chlorobenzene	112		8.246					
89 Ethylbenzene	91		8.343					
90 m-Xylene & p-Xylene	106		8.465					
91 o-Xylene	106		8.892					
92 Styrene	104		8.922					
93 Bromoform	173		9.172					
95 Isopropylbenzene	105		9.276					
98 1,1,2,2-Tetrachloroethane	83		9.697					
110 1,3-Dichlorobenzene	146		10.562					
113 1,4-Dichlorobenzene	146		10.654					
116 1,2-Dichlorobenzene	146		11.007					
117 1,2-Dibromo-3-Chloropropane	75		11.751					
119 1,2,4-Trichlorobenzene	180		12.422					
S 124 Xylenes, Total	1		30.000					7

QC Flag Legend

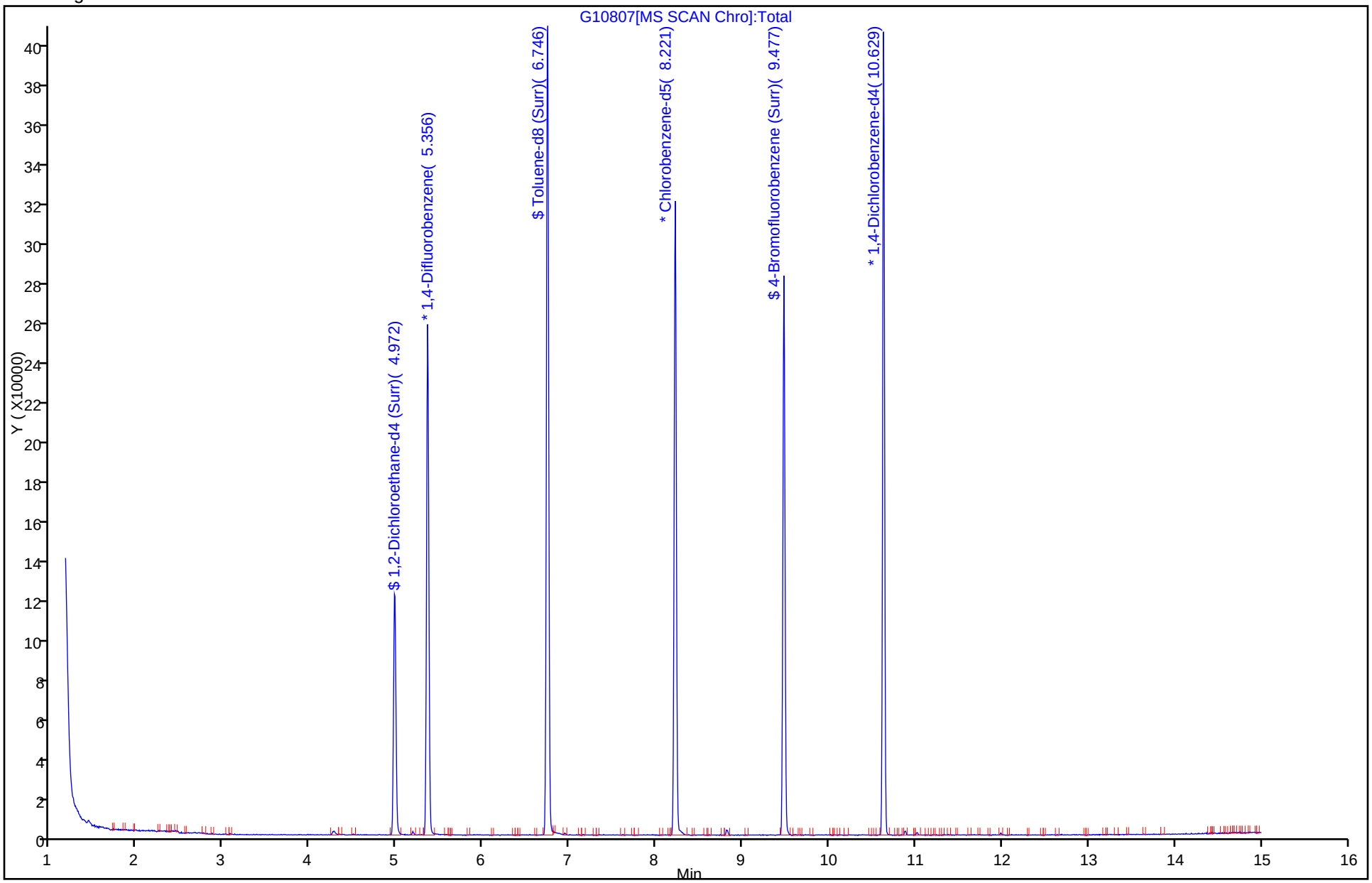
Processing Flags
7 - Failed Limit of Detection

Report Date: 10-Apr-2012 00:56:45 Chrom Revision: 2.0 20-Feb-2012 13:27:02

Data File: \\Bufchrom\ChromData\HP5973G\20120407-10813.b\G10807.D

Injection Date:	08-Apr-2012 00:14:30	Limit Group:	MV - 8260B ICAL
Client ID:	TRIP BLANK	Instrument ID:	HP5973G
Lims Batch ID:	58634	Lims Sample ID:	8
Operator ID:	DHC		
Column Type:	ZB-624	Column Dia:	0.25 mm

Y Scaling:



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

Lab Name: TestAmerica Buffalo Job No.: 480-18068-1 Analy Batch No.: 54289

SDG No.:

Instrument ID: HP5973F GC Column: ZB-624 (60) ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 03/07/2012 23:43 Calibration End Date: 03/08/2012 01:25 Calibration ID: 6350

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	STD1 480-54289/3	F7225.D
Level 2	STD2 480-54289/4	F7226.D
Level 3	STD3 480-54289/5	F7227.D
Level 4	STD4 480-54289/6	F7228.D
Level 5	STD5 480-54289/7	F7229.D
Level 6	STD6 480-54289/8	F7230.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	0.2171 0.1907	0.2162	0.2125	0.2070	0.1919	Ave		0.2059				5.8		15.0			
Chloromethane	0.3170 0.2416	0.3044	0.2799	0.2664	0.2499	Ave		0.2765			0.1000	11.0		15.0			
Vinyl chloride	0.2406 0.2014	0.2413	0.2232	0.2172	0.2040	Ave		0.2213				7.8		30.0			
Bromomethane	0.1228 0.1119	0.1162	0.1065	0.0999	0.1007	Ave		0.1097				8.2		15.0			
Chloroethane	0.1055 0.1071	0.1143	0.1063	0.0971	0.0997	Ave		0.1050				5.8		15.0			
Trichlorofluoromethane	0.2560 0.2324	0.2582	0.2365	0.2310	0.2225	Ave		0.2394				6.0		15.0			
Acrolein	0.0401 0.0342	0.0370	0.0397	0.0395	0.0367	Ave		0.0379				6.1		15.0			
1,1,2-Trichloro-1,2,2-trifluoroethane	0.2410 0.2095	0.2547	0.2342	0.2343	0.2144	Ave		0.2313				7.3		15.0			
1,1-Dichloroethene	0.2455 0.2287	0.2561	0.2441	0.2456	0.2320	Ave		0.2420				4.2		30.0			
Acetone	0.1265 0.0944	0.1092	0.1110	0.1080	0.0998	Ave		0.1081				10.0		15.0			
Iodomethane	0.3714 0.3511	0.3771	0.3621	0.3648	0.3475	Ave		0.3623				3.2		15.0			
Carbon disulfide	0.6552 0.6499	0.6772	0.6404	0.6682	0.6428	Ave		0.6556				2.2		15.0			
Methyl acetate	0.4124 0.3440	0.3629	0.3931	0.3911	0.3673	Ave		0.3785				6.6		15.0			
Acetonitrile	0.0235 0.0209	0.0221	0.0220	0.0242	0.0226	Ave		0.0226				5.2		15.0			
Methylene Chloride	0.3113 0.2725	0.2945	0.2881	0.2819	0.2725	Ave		0.2868				5.2		15.0			

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

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

Lab Name: TestAmerica Buffalo Job No.: 480-18068-1 Analy Batch No.: 54289

SDG No.:

Instrument ID: HP5973F GC Column: ZB-624 (60) ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 03/07/2012 23:43 Calibration End Date: 03/08/2012 01:25 Calibration ID: 6350

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								
Methyl tert-butyl ether	0.8782 0.7930	0.8314	0.8542	0.8485	0.8215	Ave		0.8378				3.5		15.0			
trans-1,2-Dichloroethene	0.2916 0.2683	0.2886	0.2834	0.2853	0.2697	Ave		0.2812				3.5		15.0			
Acrylonitrile	0.1322 0.1178	0.1224	0.1297	0.1338	0.1264	Ave		0.1271				4.8		15.0			
Vinyl acetate	0.7076 0.5230	0.6867	0.7073	0.6945	0.6211	Ave		0.6567				11.0		15.0			
1,1-Dichloroethane	0.4864 0.4494	0.4974	0.4921	0.4807	0.4574	Ave		0.4772			0.1000	4.1		15.0			
2-Butanone (MEK)	0.1998 0.1626	0.1810	0.1974	0.1980	0.1814	Ave		0.1867				7.8		15.0			
2,2-Dichloropropane	0.3442 0.3100	0.3375	0.3286	0.3292	0.3110	Ave		0.3267				4.2		15.0			
cis-1,2-Dichloroethene	0.3376 0.3013	0.3225	0.3242	0.3153	0.3034	Ave		0.3174				4.3		15.0			
Bromochloromethane	0.1744 0.1629	0.1650	0.1667	0.1687	0.1639	Ave		0.1669				2.5		15.0			
Tetrahydrofuran	0.1296 0.1092	0.1180	0.1290	0.1316	0.1213	Ave		0.1231				7.0		15.0			
Chloroform	0.4981 0.4386	0.4720	0.4736	0.4636	0.4431	Ave		0.4648				4.7		30.0			
1,1,1-Trichloroethane	0.3678 0.3613	0.3786	0.3740	0.3743	0.3610	Ave		0.3695				2.0		15.0			
Cyclohexane	0.4974 0.4414	0.5191	0.4765	0.4852	0.4461	Ave		0.4776				6.3		15.0			
1,1-Dichloropropene	0.3948 0.3368	0.3796	0.3591	0.3635	0.3413	Ave		0.3625				6.1		15.0			
Carbon tetrachloride	0.2979 0.3239	0.3089	0.3050	0.3219	0.3160	Ave		0.3123				3.2		15.0			
Benzene	1.1329 0.9978	1.1115	1.0987	1.0793	1.0222	Ave		1.0737				4.9		15.0			
1,2-Dichloroethane	0.4013 0.3551	0.3825	0.3818	0.3822	0.3678	Ave		0.3784				4.1		15.0			
Trichloroethene	0.2995 0.2741	0.2978	0.2921	0.2906	0.2744	Ave		0.2881				3.9		15.0			
Methylcyclohexane	0.4919 0.4367	0.5065	0.4682	0.4783	0.4415	Ave		0.4705				5.9		15.0			
1,2-Dichloropropane	0.2977 0.2744	0.2872	0.2882	0.2881	0.2794	Ave		0.2858				2.8		30.0			

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

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

Lab Name: TestAmerica Buffalo Job No.: 480-18068-1 Analy Batch No.: 54289

SDG No.:

Instrument ID: HP5973F GC Column: ZB-624 (60) ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 03/07/2012 23:43 Calibration End Date: 03/08/2012 01:25 Calibration ID: 6350

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								
Dibromomethane	0.1753 0.1658	0.1669	0.1719	0.1725	0.1691	Ave		0.1702				2.1		15.0			
Bromodichloromethane	0.3207 0.3466	0.3145	0.3334	0.3400	0.3451	Ave		0.3334				4.0		15.0			
2-Chloroethyl vinyl ether	0.2088 0.1901	0.2048	0.2143	0.2173	0.2054	Ave		0.2068				4.6		15.0			
cis-1,3-Dichloropropene	0.4302 0.4340	0.4177	0.4300	0.4419	0.4347	Ave		0.4314				1.9		15.0			
4-Methyl-2-pentanone (MIBK)	0.9010 0.7299	0.8432	0.9138	0.9072	0.8298	Ave		0.8542				8.2		15.0			
Toluene	1.7196 1.5624	1.7445	1.6977	1.6730	1.5894	Ave		1.6644				4.4		30.0			
Ethyl methacrylate	0.8816 0.9120	0.8755	0.9480	0.9747	0.9450	Ave		0.9228				4.3		15.0			
trans-1,3-Dichloropropene	0.8583 0.9282	0.8736	0.9133	0.9458	0.9402	Ave		0.9099				4.0		15.0			
1,1,2-Trichloroethane	0.5152 0.4885	0.4954	0.5024	0.5053	0.4940	Ave		0.5001				1.9		15.0			
Tetrachloroethene	0.7608 0.6912	0.7842	0.7551	0.7419	0.6998	Ave		0.7388				4.9		15.0			
1,3-Dichloropropane	1.0848 0.9778	1.0450	1.0516	1.0514	1.0148	Ave		1.0376				3.5		15.0			
2-Hexanone	0.6699 0.5464	0.6195	0.6808	0.6871	0.6239	Ave		0.6379				8.4		15.0			
Dibromochloromethane	0.5992 0.7258	0.6013	0.6324	0.6819	0.7120	Ave		0.6588				8.4		15.0			
1,2-Dibromoethane	0.6759 0.6618	0.6437	0.6706	0.6911	0.6753	Ave		0.6697				2.4		15.0			
Chlorobenzene	2.1359 1.9020	2.0967	2.0739	2.0173	1.9365	Ave		2.0270			0.3000	4.6		15.0			
Ethylbenzene	3.2369 2.7929	3.2513	3.1611	3.0700	2.9032	Ave		3.0692				6.1		30.0			
1,1,1,2-Tetrachloroethane	0.6251 0.6802	0.6333	0.6523	0.6655	0.6753	Ave		0.6553				3.4		15.0			
m,p-Xylene	1.3409 1.1836	1.3605	1.3115	1.2846	1.2146	Ave		1.2826				5.5		15.0			
o-Xylene	1.2755 1.1626	1.2785	1.2566	1.2417	1.1823	Ave		1.2328				4.0		15.0			
Styrene	2.0463 1.9836	2.0518	2.0841	2.0789	2.0222	Ave		2.0445				1.8		15.0			

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

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

Lab Name: TestAmerica Buffalo Job No.: 480-18068-1 Analy Batch No.: 54289

SDG No.:

Instrument ID: HP5973F GC Column: ZB-624 (60) ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 03/07/2012 23:43 Calibration End Date: 03/08/2012 01:25 Calibration ID: 6350

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								
Bromoform	0.3135 0.4469	0.3184	0.3620	0.4071	0.4330	Ave		0.3801			0.1000	15.0		15.0			
Isopropylbenzene	2.9063 2.4165	2.9036	2.8105	2.6817	2.5152	Ave		2.7057				7.6		15.0			
1,1,2,2-Tetrachloroethane	0.7492 0.6853	0.6840	0.7315	0.7276	0.7217	Ave		0.7166			0.3000	3.7		15.0			
Bromobenzene	0.8420 0.7356	0.8128	0.8081	0.7752	0.7529	Ave		0.7878				5.1		15.0			
trans-1,4-Dichloro-2-butene	0.2578 0.2088	0.2401	0.2517	0.2502	0.2350	Ave		0.2406				7.3		15.0			
N-Propylbenzene	3.5511 2.7929	3.5323	3.4316	3.3105	3.0490	Ave		3.2779				9.2		15.0			
1,2,3-Trichloropropane	0.2693 0.2215	0.2455	0.2568	0.2550	0.2415	Ave		0.2483				6.6		15.0			
2-Chlorotoluene	0.7768 0.6961	0.7935	0.7674	0.7415	0.7073	Ave		0.7471				5.2		15.0			
1,3,5-Trimethylbenzene	2.4317 2.0389	2.4391	2.3514	2.2809	2.1509	Ave		2.2822				7.0		15.0			
4-Chlorotoluene	0.8294 0.7464	0.8382	0.8240	0.7955	0.7590	Ave		0.7987				4.8		15.0			
tert-Butylbenzene	0.6190 0.5284	0.6213	0.5855	0.5667	0.5378	Ave		0.5765				6.8		15.0			
1,2,4-Trimethylbenzene	2.4662 2.0957	2.4513	2.3945	2.3261	2.1999	Ave		2.3223				6.4		15.0			
sec-Butylbenzene	3.1554 2.5529	3.1944	3.0317	2.9114	2.7130	Ave		2.9265				8.7		15.0			
4-Isopropyltoluene	2.8362 2.3701	2.8654	2.7666	2.6819	2.4995	Ave		2.6699				7.4		15.0			
1,3-Dichlorobenzene	1.6399 1.3749	1.5581	1.5362	1.4897	1.4224	Ave		1.5036				6.4		15.0			
1,4-Dichlorobenzene	1.6861 1.4155	1.6133	1.5983	1.5292	1.4569	Ave		1.5499				6.6		15.0			
n-Butylbenzene	2.2996 1.9498	2.3289	2.2570	2.1926	2.0468	Ave		2.1791				6.9		15.0			
1,2-Dichlorobenzene	1.5195 1.3211	1.4579	1.4515	1.4071	1.3612	Ave		1.4197				5.1		15.0			
1,2-Dibromo-3-Chloropropane	0.1256 0.1204	0.1057	0.1152	0.1246	0.1242	Ave		0.1193				6.4		15.0			
1,2,4-Trichlorobenzene	0.9852 0.8203	0.9039	0.9126	0.8668	0.8389	Ave		0.8879				6.7		15.0			

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

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

Lab Name: TestAmerica Buffalo Job No.: 480-18068-1 Analy Batch No.: 54289

SDG No.:

Instrument ID: HP5973F GC Column: ZB-624 (60) ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 03/07/2012 23:43 Calibration End Date: 03/08/2012 01:25 Calibration ID: 6350

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								
Hexachlorobutadiene	0.4052 0.3492	0.4195	0.4004	0.3840	0.3549	Ave		0.3855				7.4		15.0			
Naphthalene	2.9845 2.3756	2.5545	2.6471	2.5867	2.5097	Ave		2.6097				7.9		15.0			
1,2,3-Trichlorobenzene	0.8849 0.7554	0.8076	0.8254	0.7904	0.7687	Ave		0.8054				5.8		15.0			
1,2-Dichloroethane-d4 (Surr)	0.1634 0.1444	0.1469	0.1525	0.1539	0.1507	Ave		0.1520				4.4		15.0			
Toluene-d8 (Surr)	2.4109 2.2038	2.4109	2.3176	2.4948	2.3306	Ave		2.3614				4.3		15.0			
4-Bromofluorobenzene (Surr)	0.8593 0.7360	0.7836	0.7609	0.8085	0.7679	Ave		0.7860				5.5		15.0			

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

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

Lab Name: TestAmerica Buffalo Job No.: 480-18068-1 Analy Batch No.: 54289

SDG No.:

Instrument ID: HP5973F GC Column: ZB-624 (60) ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 03/07/2012 23:43 Calibration End Date: 03/08/2012 01:25 Calibration ID: 6350

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	STD1 480-54289/3	F7225.D
Level 2	STD2 480-54289/4	F7226.D
Level 3	STD3 480-54289/5	F7227.D
Level 4	STD4 480-54289/6	F7228.D
Level 5	STD5 480-54289/7	F7229.D
Level 6	STD6 480-54289/8	F7230.D

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (UG/KG)				
			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	DFB	Ave	15614 594781	32019	63282	155647	294801	5.00 200	10.0	20.0	50.0	100
Chloromethane	DFB	Ave	22793 753426	45074	83332	200378	383944	5.00 200	10.0	20.0	50.0	100
Vinyl chloride	DFB	Ave	17300 628072	35730	66454	163323	313408	5.00 200	10.0	20.0	50.0	100
Bromomethane	DFB	Ave	8830 349089	17212	31718	75111	154631	5.00 200	10.0	20.0	50.0	100
Chloroethane	DFB	Ave	7587 334010	16932	31659	73023	153131	5.00 200	10.0	20.0	50.0	100
Trichlorofluoromethane	DFB	Ave	18408 724917	38228	70407	173732	341858	5.00 200	10.0	20.0	50.0	100
Acrolein	DFB	Ave	57712 2135274	109562	236270	594313	1129024	100 4000	200	400	1000	2000
1,1,2-Trichloro-1,2,2-trifluoroetha ne	DFB	Ave	17329 653390	37722	69722	176202	329319	5.00 200	10.0	20.0	50.0	100
1,1-Dichloroethene	DFB	Ave	17656 713172	37928	72682	184747	356408	5.00 200	10.0	20.0	50.0	100
Acetone	DFB	Ave	45476 1471425	80875	165253	406249	766429	25.0 1000	50.0	100	250	500
Iodomethane	DFB	Ave	26704 1095050	55846	107808	274375	533815	5.00 200	10.0	20.0	50.0	100
Carbon disulfide	DFB	Ave	47113 2027104	100280	190668	502532	987416	5.00 200	10.0	20.0	50.0	100
Methyl acetate	DFB	Ave	29653 1072798	53741	117038	294149	564189	5.00 200	10.0	20.0	50.0	100
Acetonitrile	DFB	Ave	67725 2612101	130779	262594	728486	1386468	200 8000	400	800	2000	4000
Methylene Chloride	DFB	Ave	22388 849998	43616	85782	212038	418534	5.00 200	10.0	20.0	50.0	100
Methyl tert-butyl ether	DFB	Ave	63146 2473291	123120	254328	638122	1261968	5.00 200	10.0	20.0	50.0	100

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

Lab Name: TestAmerica Buffalo Job No.: 480-18068-1 Analy Batch No.: 54289

SDG No.:

Instrument ID: HP5973F GC Column: ZB-624 (60) ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 03/07/2012 23:43 Calibration End Date: 03/08/2012 01:25 Calibration ID: 6350

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (UG/KG)				
			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-1,2-Dichloroethene	DFB	Ave	20970 836927	42730	84391	214547	414298	5.00 200	10.0	20.0	50.0	100
Acrylonitrile	DFB	Ave	47546 1836367	90628	193098	503263	970544	25.0 1000	50.0	100	250	500
Vinyl acetate	DFB	Ave	254417 8155319	508422	1053021	2611655	4770178	25.0 1000	50.0	100	250	500
1,1-Dichloroethane	DFB	Ave	34978 1401668	73655	146515	361532	702605	5.00 200	10.0	20.0	50.0	100
2-Butanone (MEK)	DFB	Ave	71846 2536456	134047	293798	744696	1393520	25.0 1000	50.0	100	250	500
2,2-Dichloropropane	DFB	Ave	24753 966863	49980	97836	247579	477668	5.00 200	10.0	20.0	50.0	100
cis-1,2-Dichloroethene	DFB	Ave	24275 939834	47751	96513	237132	466088	5.00 200	10.0	20.0	50.0	100
Bromochloromethane	DFB	Ave	12544 508064	24440	49619	126884	251849	5.00 200	10.0	20.0	50.0	100
Tetrahydrofuran	DFB	Ave	46590 1702603	87366	192056	494755	931415	25.0 1000	50.0	100	250	500
Chloroform	DFB	Ave	35814 1367820	69900	141015	348669	680642	5.00 200	10.0	20.0	50.0	100
1,1,1-Trichloroethane	DFB	Ave	26449 1127003	56057	111369	281518	554523	5.00 200	10.0	20.0	50.0	100
Cyclohexane	DFB	Ave	35767 1376736	76873	141867	364881	685243	5.00 200	10.0	20.0	50.0	100
1,1-Dichloropropene	DFB	Ave	28391 1050407	56207	106911	273403	524266	5.00 200	10.0	20.0	50.0	100
Carbon tetrachloride	DFB	Ave	21423 1010077	45748	90798	242095	485417	5.00 200	10.0	20.0	50.0	100
Benzene	DFB	Ave	81461 3112070	164597	327114	811732	1570286	5.00 200	10.0	20.0	50.0	100
1,2-Dichloroethane	DFB	Ave	28854 1107514	56645	113669	287428	565041	5.00 200	10.0	20.0	50.0	100
Trichloroethene	DFB	Ave	21534 854889	44098	86980	218591	421547	5.00 200	10.0	20.0	50.0	100
Methylcyclohexane	DFB	Ave	35372 1361980	74998	139403	359726	678177	5.00 200	10.0	20.0	50.0	100
1,2-Dichloropropane	DFB	Ave	21403 855743	42536	85794	216697	429136	5.00 200	10.0	20.0	50.0	100
Dibromomethane	DFB	Ave	12602 517068	24711	51194	129753	259760	5.00 200	10.0	20.0	50.0	100
Bromodichloromethane	DFB	Ave	23059 1080960	46570	99256	255726	530073	5.00 200	10.0	20.0	50.0	100

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

Lab Name: TestAmerica Buffalo Job No.: 480-18068-1 Analy Batch No.: 54289

SDG No.:

Instrument ID: HP5973F GC Column: ZB-624 (60) ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 03/07/2012 23:43 Calibration End Date: 03/08/2012 01:25 Calibration ID: 6350

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (UG/KG)				
			LVL 1 LVL 6	LVL 2	LVL 3	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2	LVL 3	LVL 4	LVL 5
2-Chloroethyl vinyl ether	DFB	Ave	75077 2964320	151602	318958	816962	1577333	25.0 1000	50.0	100	250	500
cis-1,3-Dichloropropene	DFB	Ave	30934 1353513	61849	128022	332339	667788	5.00 200	10.0	20.0	50.0	100
4-Methyl-2-pentanone (MIBK)	CBZ	Ave	140140 4899973	266643	588402	1489871	2771386	25.0 1000	50.0	100	250	500
Toluene	CBZ	Ave	53493 2097804	110331	218623	549476	1061585	5.00 200	10.0	20.0	50.0	100
Ethyl methacrylate	CBZ	Ave	27424 1224612	55370	122078	320133	631190	5.00 200	10.0	20.0	50.0	100
trans-1,3-Dichloropropene	CBZ	Ave	26700 1246338	55252	117617	310626	627970	5.00 200	10.0	20.0	50.0	100
1,1,2-Trichloroethane	CBZ	Ave	16027 655951	31333	64694	165960	329953	5.00 200	10.0	20.0	50.0	100
Tetrachloroethene	CBZ	Ave	23666 928138	49596	97235	243654	467422	5.00 200	10.0	20.0	50.0	100
1,3-Dichloropropane	CBZ	Ave	33747 1312883	66088	135420	345326	677799	5.00 200	10.0	20.0	50.0	100
2-Hexanone	CBZ	Ave	104195 3668355	195911	438363	1128305	2083594	25.0 1000	50.0	100	250	500
Dibromochloromethane	CBZ	Ave	18640 974523	38031	81441	223972	475544	5.00 200	10.0	20.0	50.0	100
1,2-Dibromoethane	CBZ	Ave	21027 888586	40708	86354	226969	451070	5.00 200	10.0	20.0	50.0	100
Chlorobenzene	CBZ	Ave	66442 2553862	132603	267074	662552	1293431	5.00 200	10.0	20.0	50.0	100
Ethylbenzene	CBZ	Ave	100691 3750063	205627	407077	1008290	1939146	5.00 200	10.0	20.0	50.0	100
1,1,1,2-Tetrachloroethane	CBZ	Ave	19444 913263	40056	84004	218582	451030	5.00 200	10.0	20.0	50.0	100
m,p-Xylene	CBZ	Ave	83424 3178584	172094	337776	843806	1622507	10.0 400	20.0	40.0	100	200
o-Xylene	CBZ	Ave	39677 1560997	80860	161814	407821	789668	5.00 200	10.0	20.0	50.0	100
Styrene	CBZ	Ave	63657 2663382	129765	268388	682777	1350722	5.00 200	10.0	20.0	50.0	100
Bromoform	CBZ	Ave	9751 600085	20137	46615	133699	289210	5.00 200	10.0	20.0	50.0	100
Isopropylbenzene	DCB	Ave	98476 3749050	203063	405588	1010845	1932342	5.00 200	10.0	20.0	50.0	100
1,1,2,2-Tetrachloroethane	DCB	Ave	25386 1063259	47838	105565	274271	554447	5.00 200	10.0	20.0	50.0	100

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

Lab Name: TestAmerica Buffalo Job No.: 480-18068-1 Analy Batch No.: 54289

SDG No.:

Instrument ID: HP5973F GC Column: ZB-624 (60) ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 03/07/2012 23:43 Calibration End Date: 03/08/2012 01:25 Calibration ID: 6350

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (UG/KG)				
			LVL 1 LVL 6	LVL 2	LVL 3	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2	LVL 3	LVL 4	LVL 5
Bromobenzene	DCB	Ave	28530 1141206	56841	116619	292216	578444	5.00 200	10.0	20.0	50.0	100
trans-1,4-Dichloro-2-butene	DCB	Ave	43668 1619698	83950	181630	471526	902786	25.0 1000	50.0	100	250	500
N-Propylbenzene	DCB	Ave	120324 4332968	247029	495205	1247857	2342443	5.00 200	10.0	20.0	50.0	100
1,2,3-Trichloropropane	DCB	Ave	9124 343631	17167	37061	96132	185546	5.00 200	10.0	20.0	50.0	100
2-Chlorotoluene	DCB	Ave	26321 1079913	55490	110749	279513	543365	5.00 200	10.0	20.0	50.0	100
1,3,5-Trimethylbenzene	DCB	Ave	82397 3163200	170574	339334	859750	1652456	5.00 200	10.0	20.0	50.0	100
4-Chlorotoluene	DCB	Ave	28102 1158044	58618	118905	299841	583131	5.00 200	10.0	20.0	50.0	100
tert-Butylbenzene	DCB	Ave	20975 819857	43447	84491	213606	413163	5.00 200	10.0	20.0	50.0	100
1,2,4-Trimethylbenzene	DCB	Ave	83563 3251372	171428	345551	876807	1690050	5.00 200	10.0	20.0	50.0	100
sec-Butylbenzene	DCB	Ave	106916 3960730	223396	437504	1097402	2084285	5.00 200	10.0	20.0	50.0	100
4-Isopropyltoluene	DCB	Ave	96100 3677040	200386	399251	1010927	1920238	5.00 200	10.0	20.0	50.0	100
1,3-Dichlorobenzene	DCB	Ave	55567 2133030	108967	221694	561540	1092764	5.00 200	10.0	20.0	50.0	100
1,4-Dichlorobenzene	DCB	Ave	57131 2196094	112824	230655	576426	1119277	5.00 200	10.0	20.0	50.0	100
n-Butylbenzene	DCB	Ave	77920 3025083	162871	325705	826463	1572452	5.00 200	10.0	20.0	50.0	100
1,2-Dichlorobenzene	DCB	Ave	51485 2049617	101956	209461	530373	1045714	5.00 200	10.0	20.0	50.0	100
1,2-Dibromo-3-Chloropropane	DCB	Ave	4255 186827	7394	16619	46971	95450	5.00 200	10.0	20.0	50.0	100
1,2,4-Trichlorobenzene	DCB	Ave	33383 1272590	63210	131695	326712	644503	5.00 200	10.0	20.0	50.0	100
Hexachlorobutadiene	DCB	Ave	13729 541690	29339	57775	144739	272662	5.00 200	10.0	20.0	50.0	100
Naphthalene	DCB	Ave	101127 3685545	178643	382007	975013	1928086	5.00 200	10.0	20.0	50.0	100
1,2,3-Trichlorobenzene	DCB	Ave	29984 1172032	56479	119114	297943	590535	5.00 200	10.0	20.0	50.0	100
1,2-Dichloroethane-d4 (Surr)	DFB	Ave	11748 450342	21757	45395	115752	231445	5.00 200	10.0	20.0	50.0	100

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

Lab Name: TestAmerica Buffalo Job No.: 480-18068-1 Analy Batch No.: 54289

SDG No.:

Instrument ID: HP5973F GC Column: ZB-624 (60) ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 03/07/2012 23:43 Calibration End Date: 03/08/2012 01:25 Calibration ID: 6350

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (UG/KG)				
			LVL 1 LVL 6	LVL 2	LVL 3	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2	LVL 3	LVL 4	LVL 5
Toluene-d8 (Surr)	CBZ	Ave	74999 2959046	152477	298451	819379	1556656	5.00 200	10.0	20.0	50.0	100
4-Bromofluorobenzene (Surr)	CBZ	Ave	26731 988291	49560	97982	265558	512907	5.00 200	10.0	20.0	50.0	100

Curve Type Legend:
Ave = Average ISTD

TestAmerica Laboratories
Target Compound Quantitation Report

Data File:	\\Bufchrom\ChromData\HP5973F\20120307-10038.b\F7225.D		
Lims ID:	STD1	Client ID:	
Inject. Date:	07-Mar-2012 23:18:30	Dil. Factor:	1.0000
Sample Type:	IC	Calib Level:	1
Sample ID:	STD1		
Misc. Info.:	480-0010038-003 =480-0010038-003		
Operator:	CDC	Instrument ID:	HP5973F
Vol. Injected:	1.0000	ALS Bottle#:	2
Lims Batch ID:	54289	Lims Sample ID:	3
Sublist:	chrom-F-8260 SOIL*sub1		
Detector:	MS SCAN		
Method:	\\Bufchrom\ChromData\HP5973F\20120307-10038.b\F-8260 SOIL.m		
Last Update:	08-Mar-2012 08:56:10	Calib Date:	08-Mar-2012 01:25:30
Quant Method:	Internal Standard	Quant By:	Initial Calibration
Last ICal File:	\\Bufchrom\ChromData\HP5973F\20120307-10038.b\F7230.D		
Limit Group:	MV - 8260B ICAL		
Integrator:	RTE	ID Type:	Deconvolution ID
Process Host:	CORP-CTX-19		
First Level Reviewer: ByrnesJ		Date:	08-Mar-2012 08:52:39

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/kg	Flags
* 1 1,4-Difluorobenzene	114	5.714	5.714	0.0	93	719064	50.0	
* 2 Chlorobenzene-d5	82	8.494	8.494	0.0	81	311077	50.0	
* 3 1,4-Dichlorobenzene-d4	152	10.800	10.800	0.0	93	338839	50.0	
$ 4 1,2-Dichloroethane-d4 (Surr)	67	5.410	5.410	0.0	87	11748	5.38	
$ 5 Toluene-d8 (Surr)	98	7.040	7.040	0.0	85	74999	5.10	
$ 6 4-Bromofluorobenzene (Surr)	174	9.705	9.705	0.0	82	26731	5.47	
10 Dichlorodifluoromethane	85	2.058	2.070	-0.012	58	15614	5.27	
12 Chloromethane	50	2.210	2.216	-0.006	90	22793	5.73	
13 Vinyl chloride	62	2.326	2.344	-0.018	55	17300	5.44	
14 Bromomethane	94	2.624	2.630	-0.006	67	8830	5.60	
15 Chloroethane	64	2.703	2.715	-0.012	52	7587	5.02	
17 Trichlorofluoromethane	101	2.928	2.940	-0.012	59	18408	5.35	
20 Acrolein	56	3.275	3.287	-0.012	91	57712	105.9	
21 1,1,2-Trichloro-1,2,2-trifluoroe	101	3.317	3.317	0.0	51	17329	5.21	
22 1,1-Dichloroethene	96	3.341	3.348	-0.007	80	17656	5.07	
23 Acetone	43	3.390	3.396	-0.006	94	45476	29.2	
25 Iodomethane	142	3.506	3.512	-0.006	92	26704	5.12	
26 Carbon disulfide	76	3.560	3.573	-0.013	95	47113	5.00	
27 Methyl acetate	43	3.615	3.621	-0.006	91	29653	5.45	
29 Acetonitrile	40	3.646	3.652	-0.006	100	67725	208.7	
30 Methylene Chloride	84	3.737	3.743	-0.006	85	22388	5.43	
32 Methyl tert-butyl ether	73	3.889	3.895	-0.006	86	63146	5.24	
34 trans-1,2-Dichloroethene	96	3.925	3.938	-0.013	93	20970	5.19	
33 Acrylonitrile	53	3.944	3.950	-0.006	98	47546	26.0	
37 Vinyl acetate	43	4.248	4.254	-0.006	97	254417	26.9	
39 1,1-Dichloroethane	63	4.272	4.272	0.0	60	34978	5.10	
43 2-Butanone (MEK)	43	4.716	4.722	-0.006	97	71846	26.8	
44 2,2-Dichloropropane	77	4.722	4.722	0.0	49	24753	5.27	
45 cis-1,2-Dichloroethene	96	4.735	4.735	0.0	63	24275	5.32	
48 Chlorobromomethane	128	4.941	4.948	-0.007	84	12544	5.22	

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/kg	Flags
49 Tetrahydrofuran	42	4.960	4.966	-0.006	88	46590	26.3	
50 Chloroform	83	4.972	4.978	-0.006	75	35814	5.36	
51 1,1,1-Trichloroethane	97	5.124	5.130	-0.006	75	26449	4.98	
52 Cyclohexane	56	5.148	5.154	-0.006	71	35767	5.21	
54 1,1-Dichloropropene	75	5.240	5.246	-0.006	83	28391	5.45	
55 Carbon tetrachloride	117	5.252	5.258	-0.006	64	21423	4.77	
57 Benzene	78	5.434	5.440	-0.006	96	81461	5.28	
58 1,2-Dichloroethane	62	5.471	5.471	0.0	72	28854	5.30	
62 Trichloroethene	95	5.963	5.964	-0.001	80	21534	5.20	
64 Methylcyclohexane	83	6.097	6.097	0.0	82	35372	5.23	
65 1,2-Dichloropropane	63	6.182	6.189	-0.007	80	21403	5.21	
67 Dibromomethane	93	6.316	6.322	-0.006	82	12602	5.15	
68 Dichlorobromomethane	83	6.432	6.432	0.0	79	23059	4.81	
69 2-Chloroethyl vinyl ether	63	6.627	6.633	-0.006	90	75077	25.2	
72 cis-1,3-Dichloropropene	75	6.809	6.809	0.0	67	30934	4.99	
73 4-Methyl-2-pentanone (MIBK)	43	6.906	6.906	0.0	97	140140	26.4	
74 Toluene	92	7.101	7.107	-0.006	96	53493	5.17	
75 Ethyl methacrylate	69	7.314	7.320	-0.006	85	27424	4.78	
77 trans-1,3-Dichloropropene	75	7.326	7.326	0.0	80	26700	4.72	
79 1,1,2-Trichloroethane	83	7.533	7.527	0.006	73	16027	5.15	
81 Tetrachloroethene	166	7.636	7.637	0.0	85	23666	5.15	
82 1,3-Dichloropropane	76	7.691	7.697	-0.006	82	33747	5.23	
80 2-Hexanone	43	7.703	7.703	0.0	98	104195	26.3	
83 Chlorodibromomethane	129	7.935	7.941	-0.006	50	18640	4.55	
84 Ethylene Dibromide	107	8.074	8.075	-0.001	69	21027	5.05	
87 Chlorobenzene	112	8.531	8.525	0.006	88	66442	5.27	
88 Ethylbenzene	91	8.586	8.586	0.0	96	100691	5.27	
89 1,1,1,2-Tetrachloroethane	131	8.604	8.604	0.0	72	19444	4.77	
90 m-Xylene & p-Xylene	106	8.701	8.701	0.0	99	83424	10.5	
91 o-Xylene	106	9.139	9.139	0.0	92	39677	5.17	
92 Styrene	104	9.157	9.157	0.0	92	63657	5.00	
95 Bromoform	173	9.431	9.437	-0.006	75	9751	4.12	
94 Isopropylbenzene	105	9.492	9.492	0.0	91	98476	5.37	
97 1,1,2,2-Tetrachloroethane	83	9.857	9.863	-0.006	78	25386	5.23	
101 Bromobenzene	156	9.875	9.875	0.0	88	28530	5.34	
98 trans-1,4-Dichloro-2-butene	53	9.900	9.900	0.0	57	43668	26.8	
99 N-Propylbenzene	91	9.906	9.906	0.0	93	120324	5.42	
100 1,2,3-Trichloropropane	110	9.918	9.918	0.0	47	9124	5.42	
103 2-Chlorotoluene	126	10.039	10.033	0.006	95	26321	5.20	
102 1,3,5-Trimethylbenzene	105	10.064	10.064	0.0	84	82397	5.33	
105 4-Chlorotoluene	126	10.137	10.137	0.0	93	28102	5.19	
106 tert-Butylbenzene	134	10.380	10.380	0.0	82	20975	5.37	
107 1,2,4-Trimethylbenzene	105	10.429	10.429	0.0	91	83563	5.31	
109 sec-Butylbenzene	105	10.581	10.581	0.0	86	106916	5.39	
110 4-Isopropyltoluene	119	10.697	10.703	-0.007	92	96100	5.31	
111 1,3-Dichlorobenzene	146	10.745	10.739	0.006	83	55567	5.45	
113 1,4-Dichlorobenzene	146	10.824	10.818	0.006	80	57131	5.44	
115 n-Butylbenzene	91	11.068	11.068	0.0	93	77920	5.28	
116 1,2-Dichlorobenzene	146	11.165	11.165	0.0	91	51485	5.35	
117 1,2-Dibromo-3-Chloropropane	75	11.828	11.834	-0.006	39	4255	5.26	
119 1,2,4-Trichlorobenzene	180	12.491	12.491	0.0	86	33383	5.55	
120 Hexachlorobutadiene	225	12.582	12.582	0.0	76	13729	5.25	

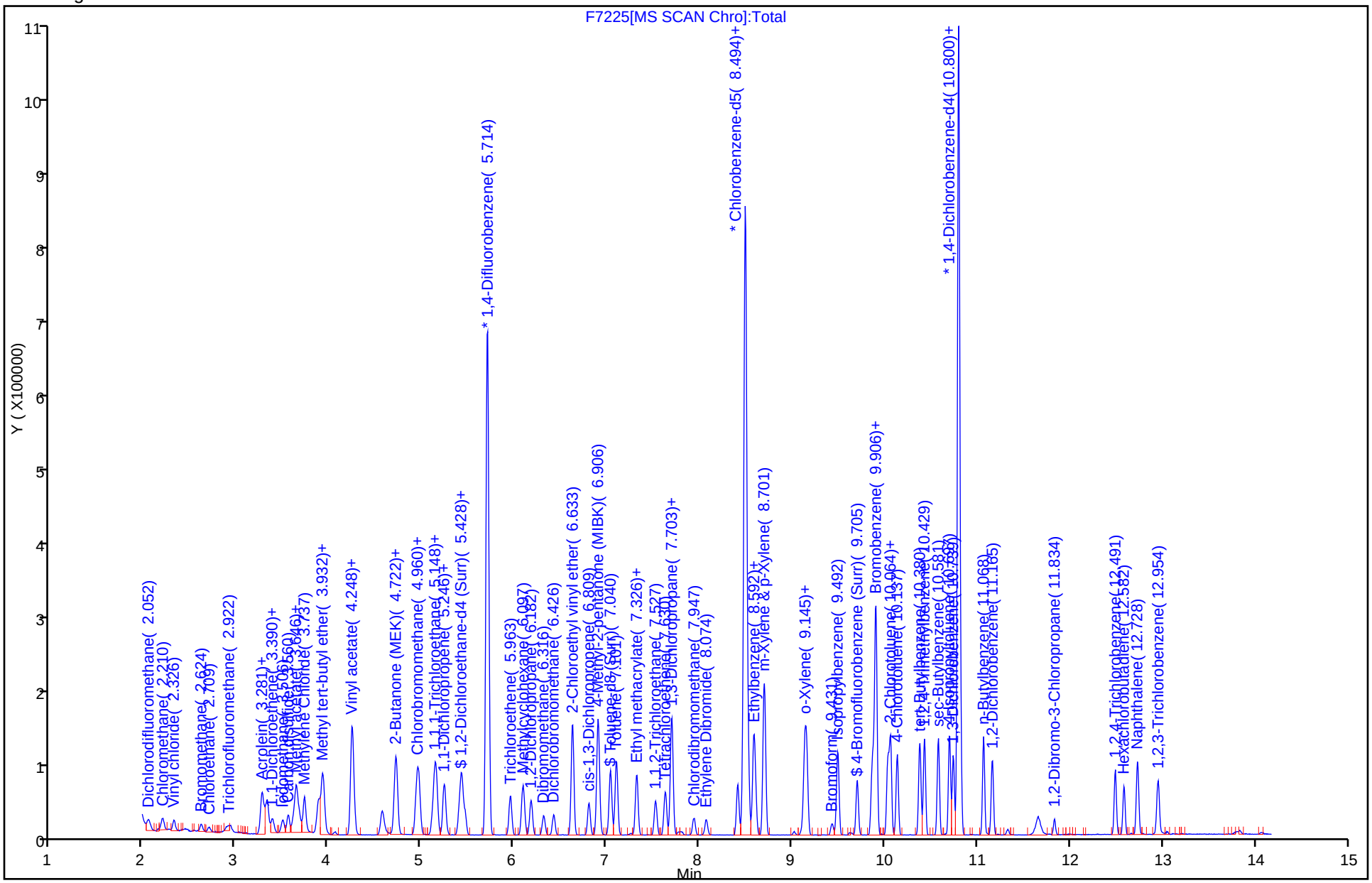
Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/kg	Flags
121 Naphthalene	128	12.728	12.728	0.0	93	101127	5.72	
122 1,2,3-Trichlorobenzene	180	12.954	12.954	0.0	83	29984	5.49	
S 123 Total BTEX	1				0		31.3	
S 124 Xylenes, Total	1				0		15.6	
S 125 1,2-Dichloroethene, Total	1				0		10.5	
S 126 1,3-Dichloropropene, Total	1				0		9.70	

Report Date: 08-Mar-2012 08:56:10 Chrom Revision: 2.0 20-Feb-2012 13:27:02

Data File: \\Bufchrom\ChromData\HP5973F\20120307-10038.b\F7225.D

Injection Date:	07-Mar-2012 23:18:30	Limit Group:	MV - 8260B ICAL
Client ID:		Instrument ID:	HP5973F
Lims Batch ID:	54289	Lims Sample ID:	3
Operator ID:	CDC		
Column Type:	ZB-624	Column Dia:	0.25 mm

Y Scaling:



TestAmerica Laboratories
Target Compound Quantitation Report

Data File: \\Bufchrom\ChromData\HP5973F\20120307-10038.b\F7226.D
Lims ID: STD2 Client ID:
Inject. Date: 07-Mar-2012 23:43:30 Dil. Factor: 1.0000
Sample Type: IC Calib Level: 2
Sample ID: STD2
Misc. Info.: 480-0010038-004 =480-0010038-004
Operator: CDC Instrument ID: HP5973F
Vol. Injected: 1.0000 ALS Bottle#: 3
Lims Batch ID: 54289 Lims Sample ID: 4
Sublist: chrom-F-8260 SOIL*sub1
Detector: MS SCAN

Method: \\Bufchrom\ChromData\HP5973F\20120307-10038.b\F-8260 SOIL.m
Last Update: 08-Mar-2012 08:56:11 Calib Date: 08-Mar-2012 01:25:30
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\Bufchrom\ChromData\HP5973F\20120307-10038.b\F7230.D
Limit Group: MV - 8260B ICAL
Integrator: RTE ID Type: Deconvolution ID
Process Host: CORP-CTX-19

First Level Reviewer: ByrnesJ Date: 08-Mar-2012 08:53:38

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/kg	Flags
* 1 1,4-Difluorobenzene	114	5.714	5.714	0.0	93	740402	50.0	
* 2 Chlorobenzene-d5	82	8.494	8.494	0.0	78	316224	50.0	
* 3 1,4-Dichlorobenzene-d4	152	10.800	10.800	0.0	93	349669	50.0	
$ 4 1,2-Dichloroethane-d4 (Surr)	67	5.404	5.410	-0.006	93	21757	9.67	
$ 5 Toluene-d8 (Surr)	98	7.040	7.040	0.0	90	152477	10.2	
$ 6 4-Bromofluorobenzene (Surr)	174	9.705	9.705	0.0	86	49560	9.97	
10 Dichlorodifluoromethane	85	2.064	2.070	-0.006	68	32019	10.5	
12 Chloromethane	50	2.210	2.216	-0.006	86	45074	11.0	
13 Vinyl chloride	62	2.332	2.344	-0.012	65	35730	10.9	
14 Bromomethane	94	2.624	2.630	-0.006	76	17212	10.6	
15 Chloroethane	64	2.709	2.715	-0.006	77	16932	10.9	
17 Trichlorofluoromethane	101	2.934	2.940	-0.006	68	38228	10.8	
20 Acrolein	56	3.281	3.287	-0.006	91	109562	195.3	
21 1,1,2-Trichloro-1,2,2-trifluoroe	101	3.317	3.317	0.0	77	37722	11.0	
22 1,1-Dichloroethene	96	3.341	3.348	-0.007	80	37928	10.6	
23 Acetone	43	3.396	3.396	0.0	96	80875	50.5	
25 Iodomethane	142	3.506	3.512	-0.006	95	55846	10.4	
26 Carbon disulfide	76	3.567	3.573	-0.006	99	100280	10.3	
27 Methyl acetate	43	3.621	3.621	0.0	88	53741	9.59	
29 Acetonitrile	40	3.658	3.652	0.006	100	130779	391.4	
30 Methylene Chloride	84	3.743	3.743	0.0	88	43616	10.3	
32 Methyl tert-butyl ether	73	3.895	3.895	0.0	86	123120	9.92	
34 trans-1,2-Dichloroethene	96	3.932	3.938	-0.006	94	42730	10.3	
33 Acrylonitrile	53	3.944	3.950	-0.006	98	90628	48.2	
37 Vinyl acetate	43	4.254	4.254	0.0	97	508422	52.3	
39 1,1-Dichloroethane	63	4.272	4.272	0.0	78	73655	10.4	
43 2-Butanone (MEK)	43	4.722	4.722	0.0	98	134047	48.5	
44 2,2-Dichloropropane	77	4.716	4.722	-0.006	52	49980	10.3	
45 cis-1,2-Dichloroethene	96	4.735	4.735	0.0	68	47751	10.2	
48 Chlorobromomethane	128	4.941	4.948	-0.007	87	24440	9.89	

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/kg	Flags
49 Tetrahydrofuran	42	4.960	4.966	-0.006	92	87366	47.9	
50 Chloroform	83	4.978	4.978	0.0	78	69900	10.2	
51 1,1,1-Trichloroethane	97	5.124	5.130	-0.006	86	56057	10.2	
52 Cyclohexane	56	5.154	5.154	0.0	92	76873	10.9	
54 1,1-Dichloropropene	75	5.246	5.246	0.0	89	56207	10.5	
55 Carbon tetrachloride	117	5.258	5.258	0.0	73	45748	9.89	
57 Benzene	78	5.434	5.440	-0.006	97	164597	10.4	
58 1,2-Dichloroethane	62	5.477	5.471	0.006	78	56645	10.1	
62 Trichloroethene	95	5.964	5.964	0.0	88	44098	10.3	
64 Methylcyclohexane	83	6.097	6.097	0.0	90	74998	10.8	
65 1,2-Dichloropropane	63	6.183	6.189	-0.007	90	42536	10.1	
67 Dibromomethane	93	6.322	6.322	0.0	81	24711	9.80	
68 Dichlorobromomethane	83	6.426	6.432	-0.006	93	46570	9.43	
69 2-Chloroethyl vinyl ether	63	6.633	6.633	0.0	93	151602	49.5	
72 cis-1,3-Dichloropropene	75	6.809	6.809	0.0	77	61849	9.68	
73 4-Methyl-2-pentanone (MIBK)	43	6.906	6.906	0.0	97	266643	49.4	
74 Toluene	92	7.107	7.107	0.0	97	110331	10.5	
75 Ethyl methacrylate	69	7.320	7.320	0.0	90	55370	9.49	
77 trans-1,3-Dichloropropene	75	7.332	7.326	0.006	88	55252	9.60	
79 1,1,2-Trichloroethane	83	7.527	7.527	0.0	82	31333	9.91	
81 Tetrachloroethene	166	7.636	7.637	0.0	91	49596	10.6	
82 1,3-Dichloropropane	76	7.697	7.697	0.0	92	66088	10.1	
80 2-Hexanone	43	7.703	7.703	0.0	98	195911	48.6	
83 Chlorodibromomethane	129	7.941	7.941	0.0	77	38031	9.13	
84 Ethylene Dibromide	107	8.075	8.075	-0.001	83	40708	9.61	
87 Chlorobenzene	112	8.525	8.525	0.0	94	132603	10.3	
88 Ethylbenzene	91	8.586	8.586	0.0	96	205627	10.6	
89 1,1,1,2-Tetrachloroethane	131	8.604	8.604	0.0	82	40056	9.67	
90 m-Xylene & p-Xylene	106	8.701	8.701	0.0	99	172094	21.2	
91 o-Xylene	106	9.139	9.139	0.0	93	80860	10.4	
92 Styrene	104	9.157	9.157	0.0	95	129765	10.0	
95 Bromoform	173	9.431	9.437	-0.006	80	20137	8.38	
94 Isopropylbenzene	105	9.492	9.492	0.0	93	203063	10.7	
97 1,1,2,2-Tetrachloroethane	83	9.857	9.863	-0.006	83	47838	9.55	
101 Bromobenzene	156	9.875	9.875	0.0	91	56841	10.3	
98 trans-1,4-Dichloro-2-butene	53	9.900	9.900	0.0	58	83950	49.9	
99 N-Propylbenzene	91	9.906	9.906	0.0	94	247029	10.8	
100 1,2,3-Trichloropropane	110	9.912	9.918	-0.006	54	17167	9.89	
103 2-Chlorotoluene	126	10.033	10.033	0.0	97	55490	10.6	
102 1,3,5-Trimethylbenzene	105	10.064	10.064	0.0	92	170574	10.7	
105 4-Chlorotoluene	126	10.137	10.137	0.0	95	58618	10.5	
106 tert-Butylbenzene	134	10.380	10.380	0.0	87	43447	10.8	
107 1,2,4-Trimethylbenzene	105	10.435	10.429	0.006	93	171428	10.6	
109 sec-Butylbenzene	105	10.581	10.581	0.0	91	223396	10.9	
110 4-Isopropyltoluene	119	10.703	10.703	0.0	95	200386	10.7	
111 1,3-Dichlorobenzene	146	10.739	10.739	0.0	89	108967	10.4	
113 1,4-Dichlorobenzene	146	10.818	10.818	0.0	92	112824	10.4	
115 n-Butylbenzene	91	11.068	11.068	0.0	96	162871	10.7	
116 1,2-Dichlorobenzene	146	11.165	11.165	0.0	97	101956	10.3	
117 1,2-Dibromo-3-Chloropropane	75	11.834	11.834	0.0	57	7394	8.86	
119 1,2,4-Trichlorobenzene	180	12.491	12.491	0.0	91	63210	10.2	
120 Hexachlorobutadiene	225	12.589	12.582	0.007	89	29339	10.9	

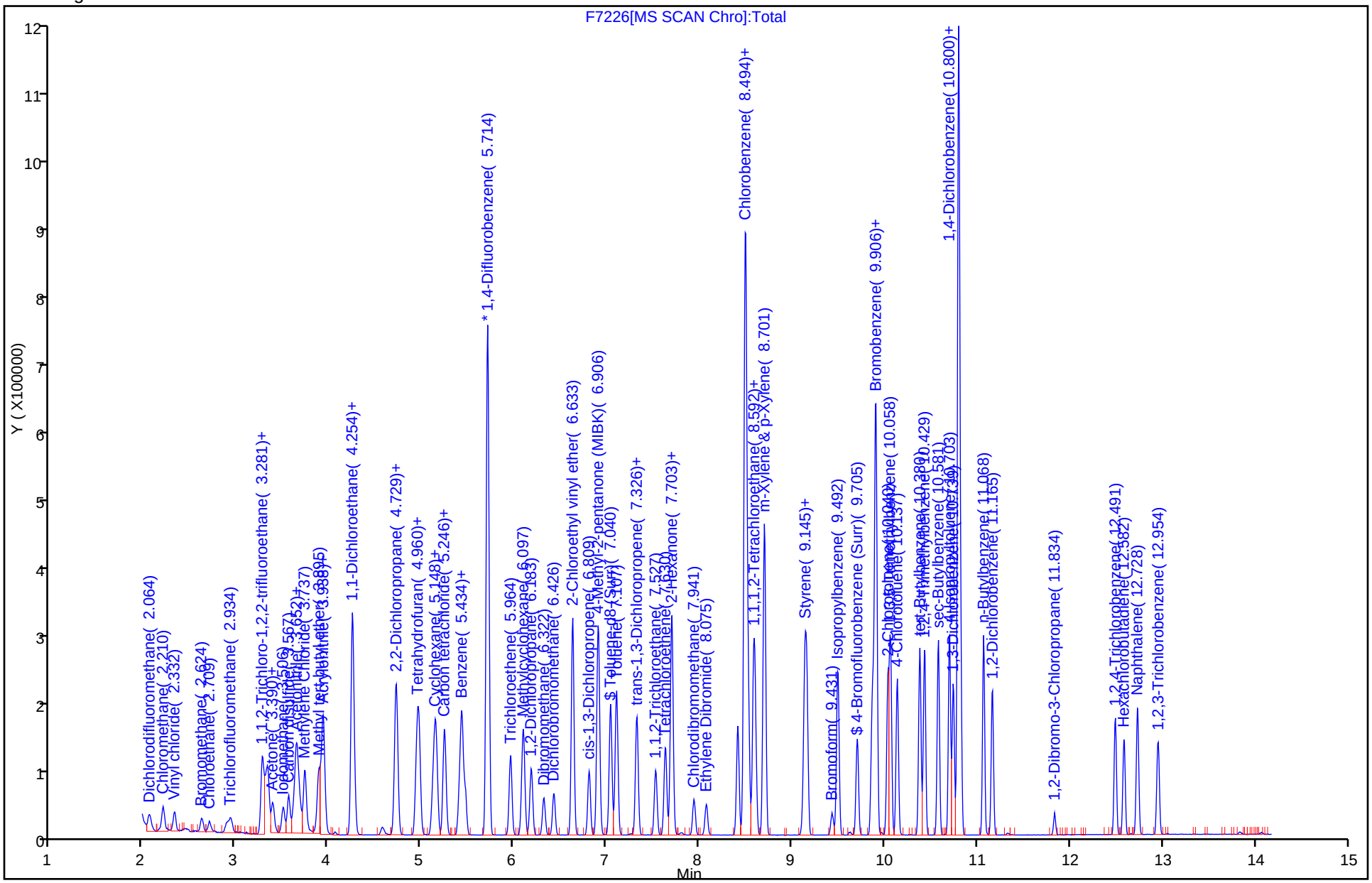
Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/kg	Flags
121 Naphthalene	128	12.728	12.728	0.0	95	178643	9.79	
122 1,2,3-Trichlorobenzene	180	12.954	12.954	0.0	93	56479	10.0	
S 123 Total BTEX	1				0		63.0	
S 124 Xylenes, Total	1				0		31.6	
S 125 1,2-Dichloroethene, Total	1				0		20.4	
S 126 1,3-Dichloropropene, Total	1				0		19.3	

Report Date: 08-Mar-2012 08:56:11 Chrom Revision: 2.0 20-Feb-2012 13:27:02

Data File: \\Bufchrom\ChromData\HP5973F\20120307-10038.b\F7226.D

Injection Date:	07-Mar-2012 23:43:30	Limit Group:	MV - 8260B ICAL
Client ID:		Instrument ID:	HP5973F
Lims Batch ID:	54289	Lims Sample ID:	4
Operator ID:	CDC		
Column Type:	ZB-624	Column Dia:	0.25 mm

Y Scaling:



TestAmerica Laboratories
Target Compound Quantitation Report

Data File:	\\Bufchrom\ChromData\HP5973F\20120307-10038.b\F7227.D		
Lims ID:	STD3	Client ID:	
Inject. Date:	08-Mar-2012 00:09:30	Dil. Factor:	1.0000
Sample Type:	IC	Calib Level:	3
Sample ID:	STD3		
Misc. Info.:	480-0010038-005 =480-0010038-005		
Operator:	CDC	Instrument ID:	HP5973F
Vol. Injected:	1.0000	ALS Bottle#:	4
Lims Batch ID:	54289	Lims Sample ID:	5
Sublist:	chrom-F-8260 SOIL*sub1		
Detector:	MS SCAN		
Method:	\\Bufchrom\ChromData\HP5973F\20120307-10038.b\F-8260 SOIL.m		
Last Update:	08-Mar-2012 09:04:46	Calib Date:	08-Mar-2012 01:25:30
Quant Method:	Internal Standard	Quant By:	Initial Calibration
Last ICal File:	\\Bufchrom\ChromData\HP5973F\20120307-10038.b\F7230.D		
Limit Group:	MV - 8260B ICAL		
Integrator:	RTE	ID Type:	Deconvolution ID
Process Host:	CORP-CTX-19		
First Level Reviewer: ByrnesJ		Date:	08-Mar-2012 08:54:10

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/kg	Flags
* 1 1,4-Difluorobenzene	114	5.714	5.714	0.0	93	744351	50.0	
* 2 Chlorobenzene-d5	82	8.494	8.494	0.0	80	321941	50.0	
* 3 1,4-Dichlorobenzene-d4	152	10.800	10.800	0.0	91	360773	50.0	
$ 4 1,2-Dichloroethane-d4 (Surr)	67	5.410	5.410	0.0	94	45395	20.1	
$ 5 Toluene-d8 (Surr)	98	7.040	7.040	0.0	91	298451	19.6	
$ 6 4-Bromofluorobenzene (Surr)	174	9.705	9.705	0.0	88	97982	19.4	
10 Dichlorodifluoromethane	85	2.070	2.070	0.0	82	63282	20.6	
12 Chloromethane	50	2.216	2.216	0.0	89	83332	20.2	
13 Vinyl chloride	62	2.344	2.344	0.0	82	66454	20.2	
14 Bromomethane	94	2.630	2.630	0.0	88	31718	19.4	
15 Chloroethane	64	2.715	2.715	0.0	88	31659	20.3	
17 Trichlorofluoromethane	101	2.940	2.940	0.0	92	70407	19.8	
20 Acrolein	56	3.287	3.287	0.0	96	236270	419.0	
21 1,1,2-Trichloro-1,2,2-trifluoroe	101	3.317	3.317	0.0	81	69722	20.2	
22 1,1-Dichloroethene	96	3.348	3.348	0.0	85	72682	20.2	
23 Acetone	43	3.396	3.396	0.0	97	165253	102.6	
25 Iodomethane	142	3.512	3.512	0.0	97	107808	20.0	
26 Carbon disulfide	76	3.573	3.573	0.0	99	190668	19.5	
27 Methyl acetate	43	3.621	3.621	0.0	91	117038	20.8	
29 Acetonitrile	40	3.652	3.652	0.0	100	262594	781.7	
30 Methylene Chloride	84	3.743	3.743	0.0	88	85782	20.1	
32 Methyl tert-butyl ether	73	3.895	3.895	0.0	87	254328	20.4	
34 trans-1,2-Dichloroethene	96	3.938	3.938	0.0	95	84391	20.2	
33 Acrylonitrile	53	3.950	3.950	0.0	100	193098	102.1	
37 Vinyl acetate	43	4.254	4.254	0.0	97	1053021	107.7	
39 1,1-Dichloroethane	63	4.272	4.272	0.0	82	146515	20.6	
43 2-Butanone (MEK)	43	4.722	4.722	0.0	98	293798	105.7	
44 2,2-Dichloropropane	77	4.722	4.722	0.0	66	97836	20.1	
45 cis-1,2-Dichloroethene	96	4.735	4.735	0.0	70	96513	20.4	
48 Chlorobromomethane	128	4.948	4.948	0.0	90	49619	20.0	

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/kg	Flags
49 Tetrahydrofuran	42	4.966	4.966	0.0	91	192056	104.8	
50 Chloroform	83	4.978	4.978	0.0	81	141015	20.4	
51 1,1,1-Trichloroethane	97	5.130	5.130	0.0	91	111369	20.2	
52 Cyclohexane	56	5.154	5.154	0.0	92	141867	20.0	
54 1,1-Dichloropropene	75	5.246	5.246	0.0	91	106911	19.8	
55 Carbon tetrachloride	117	5.258	5.258	0.0	80	90798	19.5	
57 Benzene	78	5.440	5.440	0.0	97	327114	20.5	
58 1,2-Dichloroethane	62	5.471	5.471	0.0	74	113669	20.2	
62 Trichloroethene	95	5.964	5.964	0.0	91	86980	20.3	
64 Methylcyclohexane	83	6.097	6.097	0.0	91	139403	19.9	
65 1,2-Dichloropropane	63	6.189	6.189	0.0	91	85794	20.2	
67 Dibromomethane	93	6.322	6.322	0.0	88	51194	20.2	
68 Dichlorobromomethane	83	6.432	6.432	0.0	91	99256	20.0	
69 2-Chloroethyl vinyl ether	63	6.633	6.633	0.0	92	318958	103.6	
72 cis-1,3-Dichloropropene	75	6.809	6.809	0.0	82	128022	19.9	
73 4-Methyl-2-pentanone (MIBK)	43	6.906	6.906	0.0	97	588402	107.0	
74 Toluene	92	7.107	7.107	0.0	98	218623	20.4	
75 Ethyl methacrylate	69	7.320	7.320	0.0	90	122078	20.5	
77 trans-1,3-Dichloropropene	75	7.326	7.326	0.0	89	117617	20.1	
79 1,1,2-Trichloroethane	83	7.527	7.527	0.0	84	64694	20.1	
81 Tetrachloroethene	166	7.637	7.637	0.0	91	97235	20.4	
82 1,3-Dichloropropane	76	7.697	7.697	0.0	95	135420	20.3	
80 2-Hexanone	43	7.703	7.703	0.0	98	438363	106.7	
83 Chlorodibromomethane	129	7.941	7.941	0.0	87	81441	19.2	
84 Ethylene Dibromide	107	8.075	8.075	0.0	97	86354	20.0	
87 Chlorobenzene	112	8.525	8.525	0.0	95	267074	20.5	
88 Ethylbenzene	91	8.586	8.586	0.0	97	407077	20.6	
89 1,1,1,2-Tetrachloroethane	131	8.604	8.604	0.0	86	84004	19.9	
90 m-Xylene & p-Xylene	106	8.701	8.701	0.0	99	337776	40.9	
91 o-Xylene	106	9.139	9.139	0.0	94	161814	20.4	
92 Styrene	104	9.157	9.157	0.0	95	268388	20.4	
95 Bromoform	173	9.437	9.437	0.0	94	46615	19.0	
94 Isopropylbenzene	105	9.492	9.492	0.0	94	405588	20.8	
97 1,1,2,2-Tetrachloroethane	83	9.863	9.863	0.0	79	105565	20.4	
101 Bromobenzene	156	9.875	9.875	0.0	90	116619	20.5	
98 trans-1,4-Dichloro-2-butene	53	9.900	9.900	0.0	60	181630	104.6	
99 N-Propylbenzene	91	9.906	9.906	0.0	94	495205	20.9	
100 1,2,3-Trichloropropane	110	9.918	9.918	0.0	43	37061	20.7	
103 2-Chlorotoluene	126	10.033	10.033	0.0	97	110749	20.5	
102 1,3,5-Trimethylbenzene	105	10.064	10.064	0.0	94	339334	20.6	
105 4-Chlorotoluene	126	10.137	10.137	0.0	96	118905	20.6	
106 tert-Butylbenzene	134	10.380	10.380	0.0	89	84491	20.3	
107 1,2,4-Trimethylbenzene	105	10.429	10.429	0.0	94	345551	20.6	
109 sec-Butylbenzene	105	10.581	10.581	0.0	93	437504	20.7	
110 4-Isopropyltoluene	119	10.703	10.703	0.0	94	399251	20.7	
111 1,3-Dichlorobenzene	146	10.739	10.739	0.0	94	221694	20.4	
113 1,4-Dichlorobenzene	146	10.818	10.818	0.0	94	230655	20.6	
115 n-Butylbenzene	91	11.068	11.068	0.0	93	325705	20.7	
116 1,2-Dichlorobenzene	146	11.165	11.165	0.0	98	209461	20.4	
117 1,2-Dibromo-3-Chloropropane	75	11.834	11.834	0.0	69	16619	19.3	
119 1,2,4-Trichlorobenzene	180	12.491	12.491	0.0	92	131695	20.6	
120 Hexachlorobutadiene	225	12.582	12.582	0.0	92	57775	20.8	

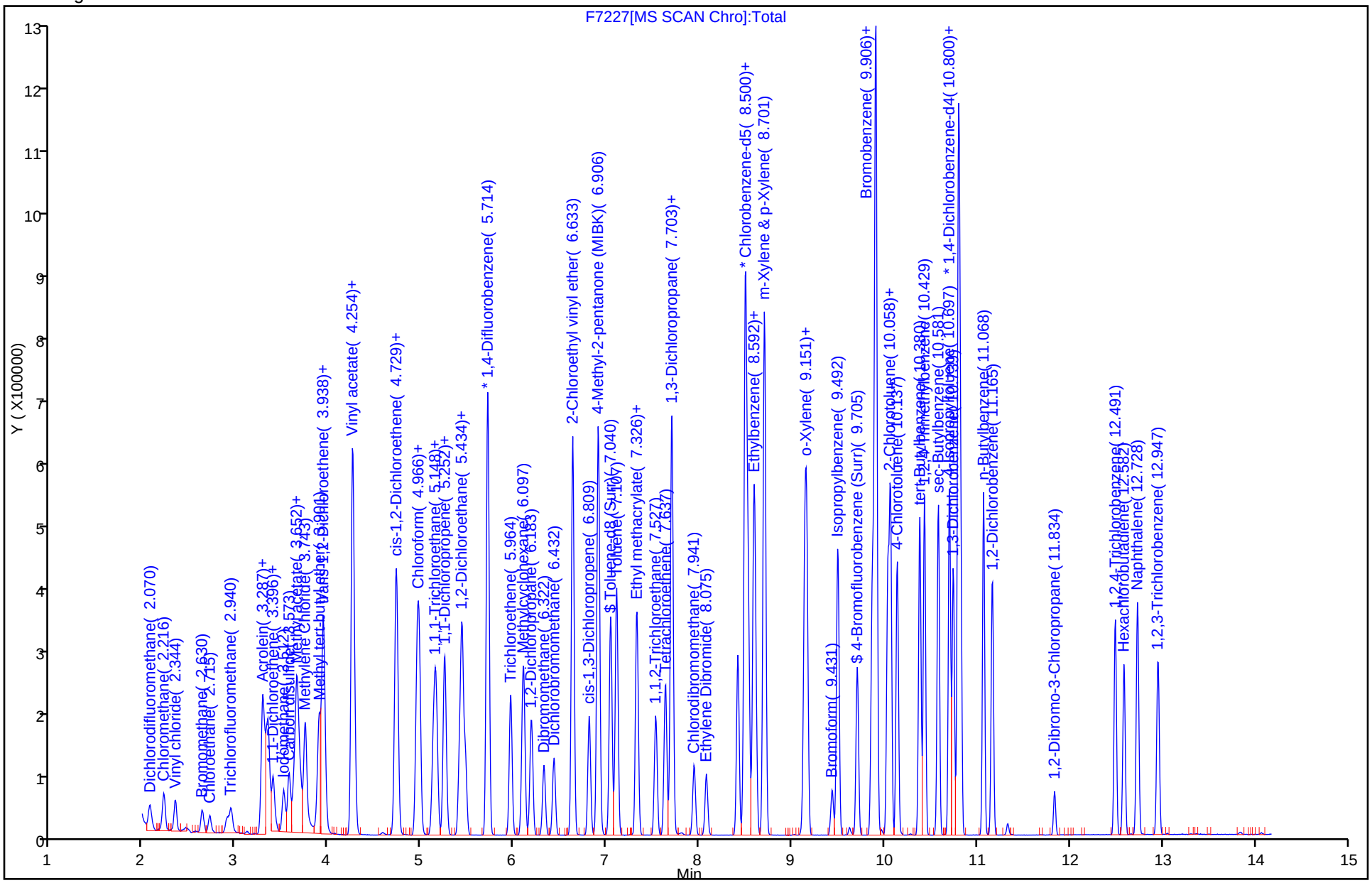
Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/kg	Flags
121 Naphthalene	128	12.728	12.728	0.0	96	382007	20.3	
122 1,2,3-Trichlorobenzene	180	12.954	12.954	0.0	95	119114	20.5	
S 123 Total BTEX	1				0		122.7	
S 124 Xylenes, Total	1				0		61.3	
S 125 1,2-Dichloroethene, Total	1				0		40.6	
S 126 1,3-Dichloropropene, Total	1				0		40.0	

Report Date: 08-Mar-2012 09:04:46 Chrom Revision: 2.0 20-Feb-2012 13:27:02

Data File: \\Bufchrom\ChromData\HP5973F\20120307-10038.b\F7227.D

Injection Date:	08-Mar-2012 00:09:30	Limit Group:	MV - 8260B ICAL
Client ID:		Instrument ID:	HP5973F
Lims Batch ID:	54289	Lims Sample ID:	5
Operator ID:	CDC		
Column Type:	ZB-624	Column Dia:	0.25 mm

Y Scaling:



TestAmerica Laboratories
Target Compound Quantitation Report

Data File:	\\Bufchrom\ChromData\HP5973F\20120307-10038.b\F7228.D		
Lims ID:	STD4	Client ID:	
Inject. Date:	08-Mar-2012 00:34:30	Dil. Factor:	1.0000
Sample Type:	ICIS	Calib Level:	4
Sample ID:	STD4		
Misc. Info.:	480-0010038-006 =480-0010038-006		
Operator:	CDC	Instrument ID:	HP5973F
Vol. Injected:	1.0000	ALS Bottle#:	5
Lims Batch ID:	54289	Lims Sample ID:	6
Sublist:	chrom-F-8260 SOIL*sub1		
Detector:	MS SCAN		
Method:	\\Bufchrom\ChromData\HP5973F\20120307-10038.b\F-8260 SOIL.m		
Last Update:	08-Mar-2012 08:56:11	Calib Date:	08-Mar-2012 01:25:30
Quant Method:	Internal Standard	Quant By:	Initial Calibration
Last ICal File:	\\Bufchrom\ChromData\HP5973F\20120307-10038.b\F7230.D		
Limit Group:	MV - 8260B ICAL		
Integrator:	RTE	ID Type:	Deconvolution ID
Process Host:	CORP-CTX-19		
First Level Reviewer: ByrnesJ		Date:	08-Mar-2012 08:51:11

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/kg	Flags
* 1 1,4-Difluorobenzene	114	5.714	5.714	0.0	93	752093	50.0	
* 2 Chlorobenzene-d5	82	8.494	8.494	0.0	80	328438	50.0	
* 3 1,4-Dichlorobenzene-d4	152	10.800	10.800	0.0	75	376938	50.0	
$ 4 1,2-Dichloroethane-d4 (Surr)	67	5.404	5.404	0.0	95	115752	50.6	
$ 5 Toluene-d8 (Surr)	98	7.040	7.040	0.0	92	819379	52.8	
$ 6 4-Bromofluorobenzene (Surr)	174	9.705	9.705	0.0	90	265558	51.4	
10 Dichlorodifluoromethane	85	2.058	2.058	0.0	87	155647	50.3	
12 Chloromethane	50	2.210	2.210	0.0	89	200378	48.2	
13 Vinyl chloride	62	2.338	2.338	0.0	84	163323	49.1	
14 Bromomethane	94	2.624	2.624	0.0	86	75111	45.5	
15 Chloroethane	64	2.703	2.703	0.0	95	73023	46.2	
17 Trichlorofluoromethane	101	2.928	2.928	0.0	83	173732	48.2	
20 Acrolein	56	3.275	3.275	0.0	99	594313	1043.0	
21 1,1,2-Trichloro-1,2,2-trifluoroe	101	3.311	3.311	0.0	83	176202	50.6	
22 1,1-Dichloroethene	96	3.335	3.335	0.0	85	184747	50.7	
23 Acetone	43	3.390	3.390	0.0	97	406249	249.7	
25 Iodomethane	142	3.506	3.506	0.0	97	274375	50.3	
26 Carbon disulfide	76	3.560	3.560	0.0	99	502532	51.0	
27 Methyl acetate	43	3.615	3.615	0.0	91	294149	51.7	
29 Acetonitrile	40	3.652	3.652	0.0	100	728486	2146.3	
30 Methylene Chloride	84	3.737	3.737	0.0	88	212038	49.1	
32 Methyl tert-butyl ether	73	3.889	3.889	0.0	87	638122	50.6	
34 trans-1,2-Dichloroethene	96	3.932	3.932	0.0	95	214547	50.7	
33 Acrylonitrile	53	3.944	3.944	0.0	99	503263	263.3	
37 Vinyl acetate	43	4.248	4.248	0.0	97	2611655	264.4	
39 1,1-Dichloroethane	63	4.272	4.272	0.0	83	361532	50.4	
43 2-Butanone (MEK)	43	4.716	4.716	0.0	99	744696	265.1	
44 2,2-Dichloropropane	77	4.722	4.722	0.0	71	247579	50.4	
45 cis-1,2-Dichloroethene	96	4.728	4.728	0.0	70	237132	49.7	
48 Chlorobromomethane	128	4.941	4.941	0.0	89	126884	50.5	

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/kg	Flags
49 Tetrahydrofuran	42	4.960	4.960	0.0	91	494755	267.2	
50 Chloroform	83	4.972	4.972	0.0	82	348669	49.9	
51 1,1,1-Trichloroethane	97	5.124	5.124	0.0	92	281518	50.6	
52 Cyclohexane	56	5.148	5.148	0.0	92	364881	50.8	
54 1,1-Dichloropropene	75	5.239	5.239	0.0	92	273403	50.1	
55 Carbon tetrachloride	117	5.252	5.252	0.0	79	242095	51.5	
57 Benzene	78	5.434	5.434	0.0	98	811732	50.3	
58 1,2-Dichloroethane	62	5.471	5.471	0.0	77	287428	50.5	
62 Trichloroethene	95	5.957	5.957	0.0	92	218591	50.4	
64 Methylcyclohexane	83	6.097	6.097	0.0	92	359726	50.8	
65 1,2-Dichloropropane	63	6.182	6.182	0.0	92	216697	50.4	
67 Dibromomethane	93	6.316	6.316	0.0	87	129753	50.7	
68 Dichlorobromomethane	83	6.426	6.426	0.0	93	255726	51.0	
69 2-Chloroethyl vinyl ether	63	6.633	6.633	0.0	92	816962	262.7	
72 cis-1,3-Dichloropropene	75	6.809	6.809	0.0	89	332339	51.2	
73 4-Methyl-2-pentanone (MIBK)	43	6.906	6.906	0.0	97	1489871	265.5	
74 Toluene	92	7.107	7.107	0.0	99	549476	50.3	
75 Ethyl methacrylate	69	7.320	7.320	0.0	92	320133	52.8	
77 trans-1,3-Dichloropropene	75	7.326	7.326	0.0	92	310626	52.0	
79 1,1,2-Trichloroethane	83	7.527	7.527	0.0	86	165960	50.5	
81 Tetrachloroethene	166	7.630	7.630	0.0	92	243654	50.2	
82 1,3-Dichloropropane	76	7.697	7.697	0.0	94	345326	50.7	
80 2-Hexanone	43	7.703	7.703	0.0	97	1128305	269.3	
83 Chlorodibromomethane	129	7.941	7.941	0.0	88	223972	51.8	
84 Ethylene Dibromide	107	8.074	8.074	0.0	98	226969	51.6	
87 Chlorobenzene	112	8.525	8.525	0.0	95	662552	49.8	
88 Ethylbenzene	91	8.585	8.585	0.0	97	1008290	50.0	
89 1,1,1,2-Tetrachloroethane	131	8.604	8.604	0.0	88	218582	50.8	
90 m-Xylene & p-Xylene	106	8.701	8.701	0.0	99	843806	100.2	
91 o-Xylene	106	9.139	9.139	0.0	93	407821	50.4	
92 Styrene	104	9.157	9.157	0.0	95	682777	50.8	
95 Bromoform	173	9.431	9.431	0.0	97	133699	53.5	
94 Isopropylbenzene	105	9.498	9.498	0.0	95	1010845	49.6	
97 1,1,2,2-Tetrachloroethane	83	9.857	9.857	0.0	88	274271	50.8	
101 Bromobenzene	156	9.875	9.875	0.0	91	292216	49.2	
98 trans-1,4-Dichloro-2-butene	53	9.900	9.900	0.0	64	471526	260.0	
99 N-Propylbenzene	91	9.906	9.906	0.0	94	1247857	50.5	
100 1,2,3-Trichloropropane	110	9.918	9.918	0.0	64	96132	51.4	
103 2-Chlorotoluene	126	10.033	10.033	0.0	98	279513	49.6	
102 1,3,5-Trimethylbenzene	105	10.064	10.064	0.0	95	859750	50.0	
105 4-Chlorotoluene	126	10.137	10.137	0.0	96	299841	49.8	
106 tert-Butylbenzene	134	10.380	10.380	0.0	89	213606	49.2	
107 1,2,4-Trimethylbenzene	105	10.429	10.429	0.0	85	876807	50.1	
109 sec-Butylbenzene	105	10.581	10.581	0.0	93	1097402	49.7	
110 4-Isopropyltoluene	119	10.703	10.703	0.0	93	1010927	50.2	
111 1,3-Dichlorobenzene	146	10.739	10.739	0.0	96	561540	49.5	
113 1,4-Dichlorobenzene	146	10.818	10.818	0.0	95	576426	49.3	
115 n-Butylbenzene	91	11.068	11.068	0.0	93	826463	50.3	
116 1,2-Dichlorobenzene	146	11.165	11.165	0.0	98	530373	49.6	
117 1,2-Dibromo-3-Chloropropane	75	11.834	11.834	0.0	80	46971	52.2	
119 1,2,4-Trichlorobenzene	180	12.491	12.491	0.0	92	326712	48.8	
120 Hexachlorobutadiene	225	12.582	12.582	0.0	94	144739	49.8	

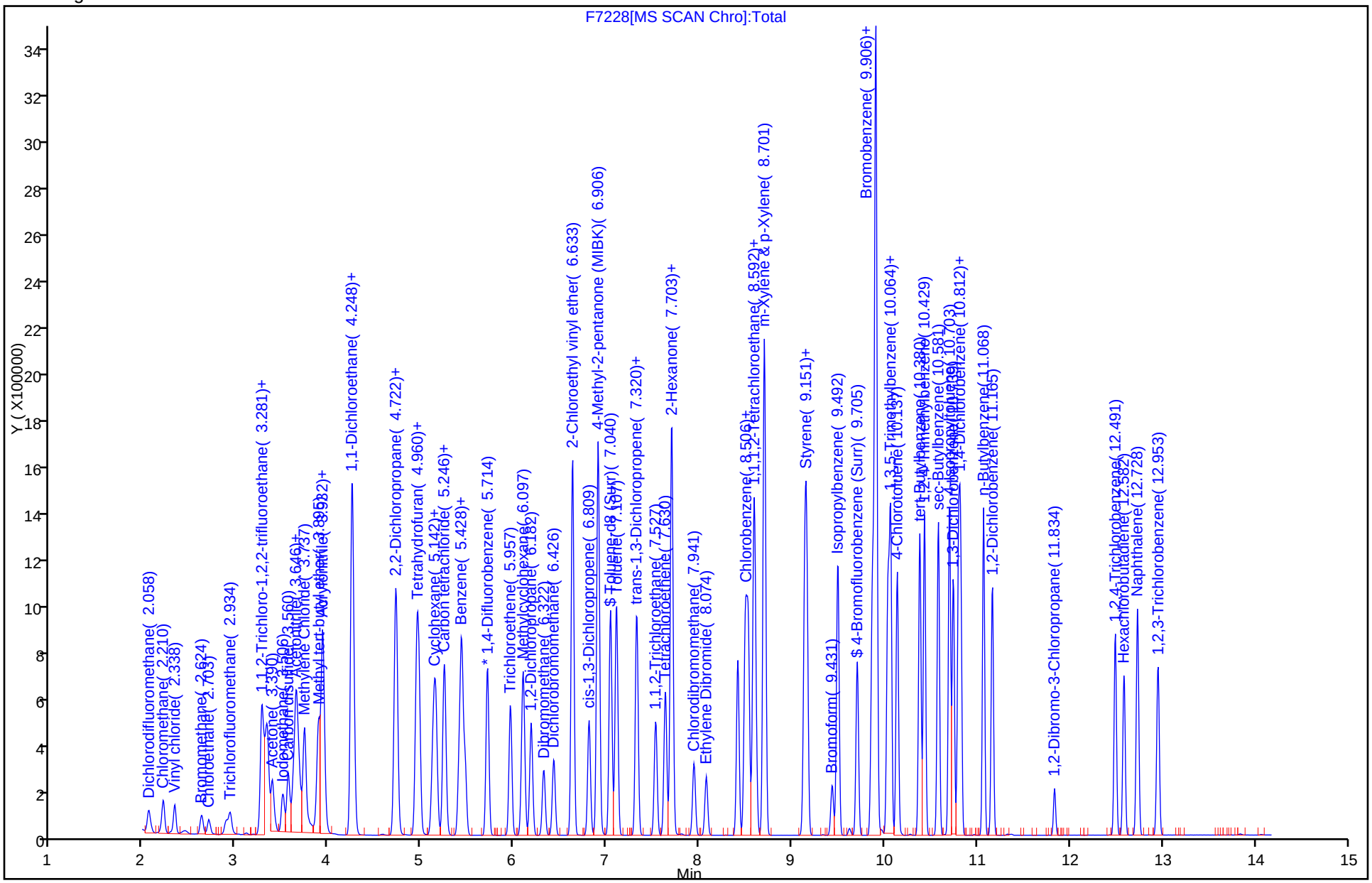
Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/kg	Flags
121 Naphthalene	128	12.728	12.728	0.0	96	975013	49.6	
122 1,2,3-Trichlorobenzene	180	12.953	12.953	0.0	96	297943	49.1	
S 123 Total BTEX	1				0		301.0	
S 124 Xylenes, Total	1				0		150.5	
S 125 1,2-Dichloroethene, Total	1				0		100.4	
S 126 1,3-Dichloropropene, Total	1				0		103.2	

Report Date: 08-Mar-2012 08:56:12 Chrom Revision: 2.0 20-Feb-2012 13:27:02

Data File: \\Bufchrom\ChromData\HP5973F\20120307-10038.b\F7228.D

Injection Date:	08-Mar-2012 00:34:30	Limit Group:	MV - 8260B ICAL
Client ID:		Instrument ID:	HP5973F
Lims Batch ID:	54289	Lims Sample ID:	6
Operator ID:	CDC		
Column Type:	ZB-624	Column Dia:	0.25 mm

Y Scaling:



TestAmerica Laboratories
Target Compound Quantitation Report

Data File:	\\Bufchrom\ChromData\HP5973F\20120307-10038.b\F7229.D		
Lims ID:	STD5	Client ID:	
Inject. Date:	08-Mar-2012 01:00:30	Dil. Factor:	1.0000
Sample Type:	IC	Calib Level:	5
Sample ID:	STD5		
Misc. Info.:	480-0010038-007 =480-0010038-007		
Operator:	CDC	Instrument ID:	HP5973F
Vol. Injected:	1.0000	ALS Bottle#:	6
Lims Batch ID:	54289	Lims Sample ID:	7
Sublist:	chrom-F-8260 SOIL*sub1		
Detector:	MS SCAN		
Method:	\\Bufchrom\ChromData\HP5973F\20120307-10038.b\F-8260 SOIL.m		
Last Update:	08-Mar-2012 08:56:12	Calib Date:	08-Mar-2012 01:25:30
Quant Method:	Internal Standard	Quant By:	Initial Calibration
Last ICal File:	\\Bufchrom\ChromData\HP5973F\20120307-10038.b\F7230.D		
Limit Group:	MV - 8260B ICAL		
Integrator:	RTE	ID Type:	Deconvolution ID
Process Host:	CORP-CTX-19		
First Level Reviewer: ByrnesJ		Date:	08-Mar-2012 08:55:10

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/kg	Flags
* 1 1,4-Difluorobenzene	114	5.714	5.714	0.0	94	768073	50.0	
* 2 Chlorobenzene-d5	82	8.494	8.494	0.0	72	333966	50.0	
* 3 1,4-Dichlorobenzene-d4	152	10.800	10.800	0.0	67	384127	50.0	
$ 4 1,2-Dichloroethane-d4 (Surr)	67	5.410	5.404	0.006	94	231445	99.2	
$ 5 Toluene-d8 (Surr)	98	7.040	7.040	0.0	92	1556656	98.7	
$ 6 4-Bromofluorobenzene (Surr)	174	9.705	9.705	0.0	90	512907	97.7	
10 Dichlorodifluoromethane	85	2.064	2.058	0.006	87	294801	93.2	
12 Chloromethane	50	2.228	2.210	0.018	89	383944	90.4	
13 Vinyl chloride	62	2.350	2.338	0.012	84	313408	92.2	
14 Bromomethane	94	2.642	2.624	0.018	88	154631	91.8	
15 Chloroethane	64	2.715	2.703	0.012	95	153131	94.9	
17 Trichlorofluoromethane	101	2.940	2.928	0.012	95	341858	92.9	
20 Acrolein	56	3.281	3.275	0.007	98	1129024	1940.2	
21 1,1,2-Trichloro-1,2,2-trifluoroe	101	3.323	3.311	0.012	84	329319	92.7	
22 1,1-Dichloroethene	96	3.348	3.335	0.013	85	356408	95.9	
23 Acetone	43	3.396	3.390	0.006	98	766429	461.3	
25 Iodomethane	142	3.512	3.506	0.006	97	533815	95.9	
26 Carbon disulfide	76	3.567	3.560	0.007	99	987416	98.0	
27 Methyl acetate	43	3.621	3.615	0.006	91	564189	97.0	
29 Acetonitrile	40	3.658	3.652	0.006	99	1386468	3999.8	
30 Methylene Chloride	84	3.743	3.737	0.006	88	418534	95.0	
32 Methyl tert-butyl ether	73	3.895	3.889	0.006	87	1261968	98.1	
34 trans-1,2-Dichloroethene	96	3.932	3.932	0.0	96	414298	95.9	
33 Acrylonitrile	53	3.950	3.944	0.006	98	970544	497.3	
37 Vinyl acetate	43	4.254	4.248	0.006	97	4770178	472.9	
39 1,1-Dichloroethane	63	4.272	4.272	0.0	83	702605	95.8	
43 2-Butanone (MEK)	43	4.722	4.716	0.006	99	1393520	485.8	
44 2,2-Dichloropropane	77	4.722	4.722	0.0	88	477668	95.2	
45 cis-1,2-Dichloroethene	96	4.735	4.728	0.007	70	466088	95.6	
48 Chlorobromomethane	128	4.948	4.941	0.007	92	251849	98.2	

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/kg	Flags
49 Tetrahydrofuran	42	4.960	4.960	0.0	92	931415	492.5	
50 Chloroform	83	4.978	4.972	0.006	82	680642	95.3	
51 1,1,1-Trichloroethane	97	5.124	5.124	0.0	93	554523	97.7	
52 Cyclohexane	56	5.154	5.148	0.006	92	685243	93.4	
54 1,1-Dichloropropene	75	5.246	5.239	0.007	93	524266	94.1	
55 Carbon tetrachloride	117	5.258	5.252	0.006	80	485417	101.2	
57 Benzene	78	5.440	5.434	0.006	97	1570286	95.2	
58 1,2-Dichloroethane	62	5.477	5.471	0.006	85	565041	97.2	
62 Trichloroethene	95	5.963	5.957	0.006	91	421547	95.3	
64 Methylcyclohexane	83	6.103	6.097	0.006	91	678177	93.8	
65 1,2-Dichloropropane	63	6.189	6.182	0.007	93	429136	97.7	
67 Dibromomethane	93	6.322	6.316	0.006	91	259760	99.3	
68 Dichlorobromomethane	83	6.432	6.426	0.006	93	530073	103.5	
69 2-Chloroethyl vinyl ether	63	6.633	6.633	0.0	91	1577333	496.6	
72 cis-1,3-Dichloropropene	75	6.809	6.809	0.0	90	667788	100.8	
73 4-Methyl-2-pentanone (MIBK)	43	6.906	6.906	0.0	97	2771386	485.8	
74 Toluene	92	7.107	7.107	0.0	99	1061585	95.5	
75 Ethyl methacrylate	69	7.320	7.320	0.0	92	631190	102.4	
77 trans-1,3-Dichloropropene	75	7.332	7.326	0.006	92	627970	103.3	
79 1,1,2-Trichloroethane	83	7.527	7.527	0.0	85	329953	98.8	
81 Tetrachloroethene	166	7.636	7.630	0.006	91	467422	94.7	
82 1,3-Dichloropropane	76	7.697	7.697	0.0	93	677799	97.8	
80 2-Hexanone	43	7.703	7.703	0.0	97	2083594	489.0	
83 Chlorodibromomethane	129	7.941	7.941	0.0	88	475544	108.1	
84 Ethylene Dibromide	107	8.074	8.074	0.0	98	451070	100.8	
87 Chlorobenzene	112	8.531	8.525	0.006	95	1293431	95.5	
88 Ethylbenzene	91	8.586	8.585	0.001	97	1939146	94.6	
89 1,1,1,2-Tetrachloroethane	131	8.604	8.604	0.0	87	451030	103.0	
90 m-Xylene & p-Xylene	106	8.701	8.701	0.0	99	1622507	189.4	
91 o-Xylene	106	9.139	9.139	0.0	93	789668	95.9	
92 Styrene	104	9.157	9.157	0.0	95	1350722	98.9	
95 Bromoform	173	9.431	9.431	0.0	97	289210	113.9	
94 Isopropylbenzene	105	9.492	9.498	-0.006	95	1932342	93.0	
97 1,1,2,2-Tetrachloroethane	83	9.863	9.857	0.006	84	554447	100.7	
101 Bromobenzene	156	9.875	9.875	0.0	90	578444	95.6	
98 trans-1,4-Dichloro-2-butene	53	9.906	9.900	0.006	67	902786	488.4	
99 N-Propylbenzene	91	9.906	9.906	0.0	93	2342443	93.0	
100 1,2,3-Trichloropropane	110	9.918	9.918	0.0	63	185546	97.3	
103 2-Chlorotoluene	126	10.033	10.033	0.0	98	543365	94.7	
102 1,3,5-Trimethylbenzene	105	10.064	10.064	0.0	95	1652456	94.2	
105 4-Chlorotoluene	126	10.137	10.137	0.0	96	583131	95.0	
106 tert-Butylbenzene	134	10.380	10.380	0.0	85	413163	93.3	
107 1,2,4-Trimethylbenzene	105	10.429	10.429	0.0	85	1690050	94.7	
109 sec-Butylbenzene	105	10.581	10.581	0.0	93	2084285	92.7	
110 4-Isopropyltoluene	119	10.703	10.703	0.0	96	1920238	93.6	
111 1,3-Dichlorobenzene	146	10.739	10.739	0.0	96	1092764	94.6	
113 1,4-Dichlorobenzene	146	10.818	10.818	0.0	95	1119277	94.0	
115 n-Butylbenzene	91	11.068	11.068	0.0	93	1572452	93.9	
116 1,2-Dichlorobenzene	146	11.165	11.165	0.0	98	1045714	95.9	
117 1,2-Dibromo-3-Chloropropane	75	11.834	11.834	0.0	87	95450	104.2	
119 1,2,4-Trichlorobenzene	180	12.491	12.491	0.0	92	644503	94.5	
120 Hexachlorobutadiene	225	12.582	12.582	0.0	94	272662	92.1	

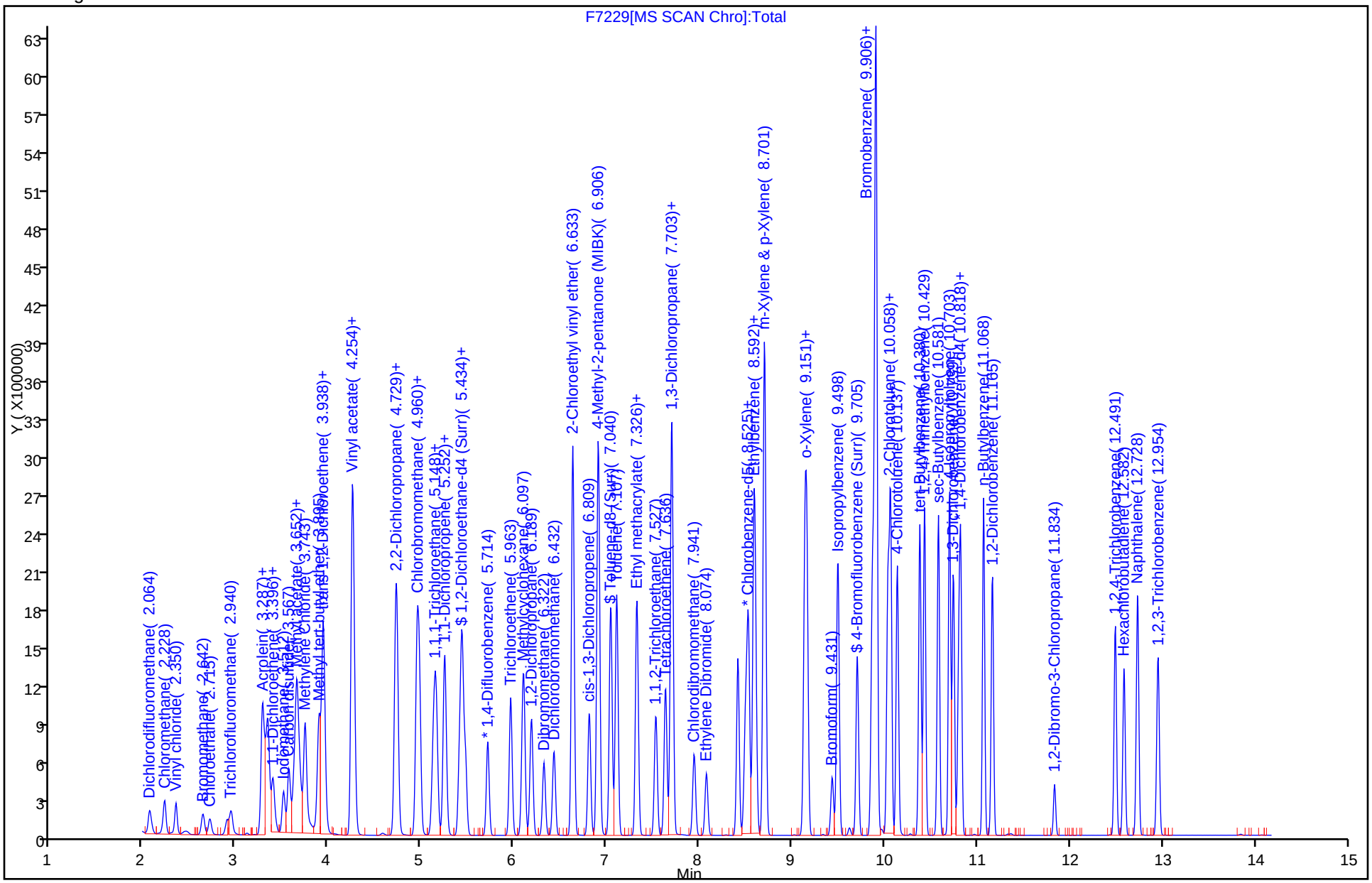
Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/kg	Flags
121 Naphthalene	128	12.728	12.728	0.0	97	1928086	96.2	
122 1,2,3-Trichlorobenzene	180	12.954	12.953	0.001	95	590535	95.4	
S 123 Total BTEX	1				0		570.6	
S 124 Xylenes, Total	1				0		285.3	
S 125 1,2-Dichloroethene, Total	1				0		191.5	
S 126 1,3-Dichloropropene, Total	1				0		204.1	

Report Date: 08-Mar-2012 08:56:12 Chrom Revision: 2.0 20-Feb-2012 13:27:02

Data File: \\Bufchrom\ChromData\HP5973F\20120307-10038.b\F7229.D

Injection Date:	08-Mar-2012 01:00:30	Limit Group:	MV - 8260B ICAL
Client ID:		Instrument ID:	HP5973F
Lims Batch ID:	54289	Lims Sample ID:	7
Operator ID:	CDC		
Column Type:	ZB-624	Column Dia:	0.25 mm

Y Scaling:



TestAmerica Laboratories
Target Compound Quantitation Report

Data File:	\\Bufchrom\ChromData\HP5973F\20120307-10038.b\F7230.D		
Lims ID:	STD6	Client ID:	
Inject. Date:	08-Mar-2012 01:25:30	Dil. Factor:	1.0000
Sample Type:	IC	Calib Level:	6
Sample ID:	STD6		
Misc. Info.:	480-0010038-008 =480-0010038-008		
Operator:	CDC	Instrument ID:	HP5973F
Vol. Injected:	1.0000	ALS Bottle#:	7
Lims Batch ID:	54289	Lims Sample ID:	8
Sublist:	chrom-F-8260 SOIL*sub1		
Detector:	MS SCAN		
Method:	\\Bufchrom\ChromData\HP5973F\20120307-10038.b\F-8260 SOIL.m		
Last Update:	08-Mar-2012 09:00:34	Calib Date:	08-Mar-2012 01:25:30
Quant Method:	Internal Standard	Quant By:	Initial Calibration
Last ICal File:	\\Bufchrom\ChromData\HP5973F\20120307-10038.b\F7230.D		
Limit Group:	MV - 8260B ICAL		
Integrator:	RTE	ID Type:	Deconvolution ID
Process Host:	CORP-CTX-19		
First Level Reviewer: ByrnesJ		Date:	08-Mar-2012 08:55:58

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/kg	Flags
* 1 1,4-Difluorobenzene	114	5.714	5.714	0.0	93	779737	50.0	
* 2 Chlorobenzene-d5	82	8.494	8.494	0.0	70	335680	50.0	
* 3 1,4-Dichlorobenzene-d4	152	10.800	10.800	0.0	93	387861	50.0	
$ 4 1,2-Dichloroethane-d4 (Surr)	67	5.410	5.404	0.006	94	450342	190.0	
$ 5 Toluene-d8 (Surr)	98	7.046	7.040	0.006	92	2959046	186.6	
$ 6 4-Bromofluorobenzene (Surr)	174	9.705	9.705	0.0	89	988291	187.3	
10 Dichlorodifluoromethane	85	2.070	2.058	0.012	88	594781	185.2	
12 Chloromethane	50	2.234	2.210	0.024	89	753426	174.7	
13 Vinyl chloride	62	2.356	2.338	0.018	84	628072	182.0	
14 Bromomethane	94	2.648	2.624	0.024	89	349089	204.1	
15 Chloroethane	64	2.721	2.703	0.018	96	334010	204.0	
17 Trichlorofluoromethane	101	2.946	2.928	0.018	87	724917	194.1	
20 Acrolein	56	3.281	3.275	0.007	98	2135274	3614.5	
21 1,1,2-Trichloro-1,2,2-trifluoroe	101	3.323	3.311	0.012	83	653390	181.1	
22 1,1-Dichloroethene	96	3.348	3.335	0.013	85	713172	189.0	
23 Acetone	43	3.396	3.390	0.006	98	1471425	872.4	
25 Iodomethane	142	3.512	3.506	0.006	97	1095050	193.8	
26 Carbon disulfide	76	3.573	3.560	0.013	99	2027104	198.3	
27 Methyl acetate	43	3.621	3.615	0.006	92	1072798	181.8	
29 Acetonitrile	40	3.652	3.652	0.0	100	2612101	7422.9	
30 Methylene Chloride	84	3.743	3.737	0.006	88	849998	190.0	
32 Methyl tert-butyl ether	73	3.895	3.889	0.006	87	2473291	189.3	
34 trans-1,2-Dichloroethene	96	3.938	3.932	0.006	95	836927	190.9	
33 Acrylonitrile	53	3.950	3.944	0.006	99	1836367	926.8	
37 Vinyl acetate	43	4.254	4.248	0.006	97	8155319	796.3	
39 1,1-Dichloroethane	63	4.278	4.272	0.006	83	1401668	188.3	
43 2-Butanone (MEK)	43	4.722	4.716	0.006	99	2536456	871.1	
44 2,2-Dichloropropane	77	4.722	4.722	0.0	70	966863	189.7	
45 cis-1,2-Dichloroethene	96	4.735	4.728	0.007	70	939834	189.9	
48 Chlorobromomethane	128	4.948	4.941	0.007	94	508064	195.1	

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/kg	Flags
49 Tetrahydrofuran	42	4.960	4.960	0.0	91	1702603	886.9	
50 Chloroform	83	4.978	4.972	0.006	82	1367820	188.7	
51 1,1,1-Trichloroethane	97	5.130	5.124	0.006	92	1127003	195.6	
52 Cyclohexane	56	5.160	5.148	0.012	91	1376736	184.8	
54 1,1-Dichloropropene	75	5.246	5.239	0.007	93	1050407	185.8	
55 Carbon tetrachloride	117	5.258	5.252	0.006	80	1010077	207.4	
57 Benzene	78	5.440	5.434	0.006	98	3112070	185.9	
58 1,2-Dichloroethane	62	5.477	5.471	0.006	85	1107514	187.7	
62 Trichloroethene	95	5.963	5.957	0.006	91	854889	190.3	
64 Methylcyclohexane	83	6.103	6.097	0.006	91	1361980	185.6	
65 1,2-Dichloropropane	63	6.189	6.182	0.007	93	855743	192.0	
67 Dibromomethane	93	6.322	6.316	0.006	88	517068	194.8	
68 Dichlorobromomethane	83	6.432	6.426	0.006	93	1080960	207.9	
69 2-Chloroethyl vinyl ether	63	6.633	6.633	0.0	93	2964320	919.4	
72 cis-1,3-Dichloropropene	75	6.809	6.809	0.0	90	1353513	201.2	
73 4-Methyl-2-pentanone (MIBK)	43	6.906	6.906	0.0	96	4899973	854.5	
74 Toluene	92	7.107	7.107	0.0	99	2097804	187.7	
75 Ethyl methacrylate	69	7.320	7.320	0.0	92	1224612	197.7	
77 trans-1,3-Dichloropropene	75	7.332	7.326	0.006	91	1246338	204.0	
79 1,1,2-Trichloroethane	83	7.527	7.527	0.0	85	655951	195.4	
81 Tetrachloroethene	166	7.636	7.630	0.006	91	928138	187.1	
82 1,3-Dichloropropane	76	7.697	7.697	0.0	92	1312883	188.5	
80 2-Hexanone	43	7.703	7.703	0.0	95	3668355	856.5	
83 Chlorodibromomethane	129	7.941	7.941	0.0	88	974523	220.3	
84 Ethylene Dibromide	107	8.074	8.074	0.0	99	888586	197.6	
87 Chlorobenzene	112	8.531	8.525	0.006	96	2553862	187.7	
88 Ethylbenzene	91	8.592	8.585	0.007	97	3750063	182.0	
89 1,1,1,2-Tetrachloroethane	131	8.604	8.604	0.0	86	913263	207.6	
90 m-Xylene & p-Xylene	106	8.701	8.701	0.0	97	3178584	369.1	
91 o-Xylene	106	9.139	9.139	0.0	93	1560997	188.6	
92 Styrene	104	9.163	9.157	0.006	96	2663382	194.0	
95 Bromoform	173	9.431	9.431	0.0	97	600085	235.1	
94 Isopropylbenzene	105	9.492	9.498	-0.006	95	3749050	178.6	
97 1,1,2,2-Tetrachloroethane	83	9.863	9.857	0.006	84	1063259	191.3	
101 Bromobenzene	156	9.875	9.875	0.0	90	1141206	186.7	
98 trans-1,4-Dichloro-2-butene	53	9.906	9.900	0.006	65	1619698	867.8	
99 N-Propylbenzene	91	9.906	9.906	0.0	93	4332968	170.4	
100 1,2,3-Trichloropropane	110	9.918	9.918	0.0	65	343631	178.4	
103 2-Chlorotoluene	126	10.039	10.033	0.006	96	1079913	186.3	
102 1,3,5-Trimethylbenzene	105	10.064	10.064	0.0	96	3163200	178.7	
105 4-Chlorotoluene	126	10.137	10.137	0.0	95	1158044	186.9	
106 tert-Butylbenzene	134	10.380	10.380	0.0	90	819857	183.3	
107 1,2,4-Trimethylbenzene	105	10.429	10.429	0.0	95	3251372	180.5	
109 sec-Butylbenzene	105	10.581	10.581	0.0	94	3960730	174.5	
110 4-Isopropyltoluene	119	10.703	10.703	0.0	91	3677040	177.5	
111 1,3-Dichlorobenzene	146	10.739	10.739	0.0	96	2133030	182.9	
113 1,4-Dichlorobenzene	146	10.818	10.818	0.0	95	2196094	182.7	
115 n-Butylbenzene	91	11.068	11.068	0.0	93	3025083	179.0	
116 1,2-Dichlorobenzene	146	11.165	11.165	0.0	98	2049617	186.1	
117 1,2-Dibromo-3-Chloropropane	75	11.834	11.834	0.0	87	186827	201.9	
119 1,2,4-Trichlorobenzene	180	12.491	12.491	0.0	91	1272590	184.8	
120 Hexachlorobutadiene	225	12.582	12.582	0.0	94	541690	181.1	

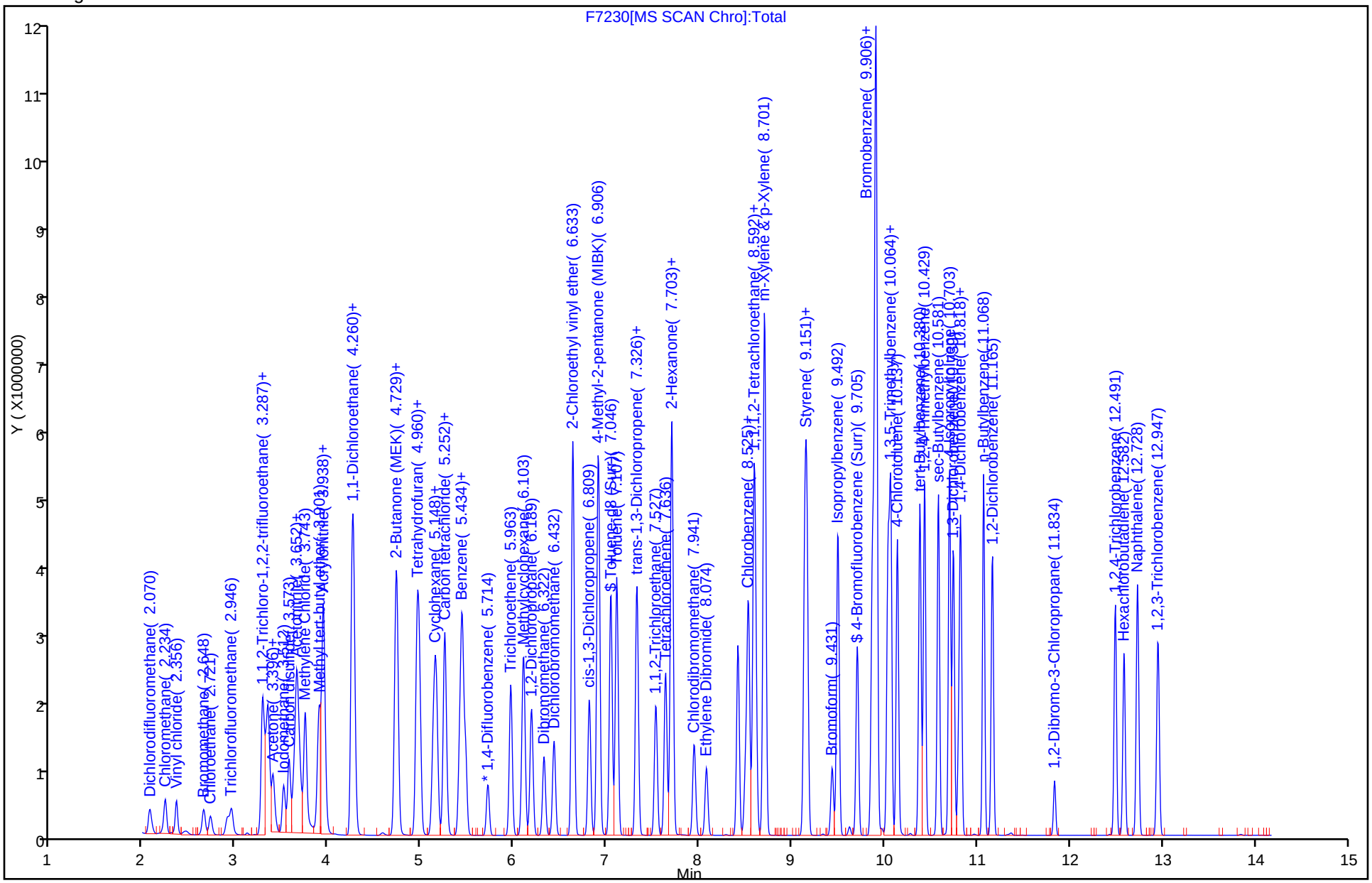
Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/kg	Flags
121 Naphthalene	128	12.728	12.728	0.0	97	3685545	182.1	
122 1,2,3-Trichlorobenzene	180	12.954	12.953	0.001	95	1172032	187.6	
S 123 Total BTEX	1				0		1113.3	
S 124 Xylenes, Total	1				0		557.7	
S 125 1,2-Dichloroethene, Total	1				0		380.8	
S 126 1,3-Dichloropropene, Total	1				0		405.2	

Report Date: 08-Mar-2012 09:00:34 Chrom Revision: 2.0 20-Feb-2012 13:27:02

Data File: \\Bufchrom\ChromData\HP5973F\20120307-10038.b\F7230.D

Injection Date:	08-Mar-2012 01:25:30	Limit Group:	MV - 8260B ICAL
Client ID:		Instrument ID:	HP5973F
Lims Batch ID:	54289	Lims Sample ID:	8
Operator ID:	CDC		
Column Type:	ZB-624	Column Dia:	0.25 mm

Y Scaling:



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

Lab Name: TestAmerica Buffalo Job No.: 480-18068-1 Analy Batch No.: 54585

SDG No.:

Instrument ID: HP5973F GC Column: ZB-624 (60) ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 03/09/2012 16:03 Calibration End Date: 03/09/2012 18:10 Calibration ID: 6376

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 480-54585/3	F7254.D
Level 2	IC 480-54585/4	F7255.D
Level 3	IC 480-54585/5	F7256.D
Level 4	IC 480-54585/6	F7257.D
Level 5	IC 480-54585/7	F7258.D
Level 6	IC 480-54585/8	F7259.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								
Chlorodifluoromethane	0.2383 0.2684	0.2284	0.2254	0.2633	0.2641	Ave		0.2480				7.9		15.0			
Dichlorofluoromethane	0.3686 0.3153	0.3522	0.3349	0.3488	0.3400	Ave		0.3433				5.2		15.0			
Ethyl ether	0.2613 0.2648	0.2674	0.2650	0.2725	0.2745	Ave		0.2676				1.9		15.0			
Propene oxide	0.0717 0.0741	0.0727	0.0722	0.0735	0.0762	Ave		0.0734				2.2		15.0			
Isopropyl alcohol	0.0215 0.0253	0.0230	0.0241	0.0221	0.0236	Ave		0.0233				5.9		15.0			
Allyl chloride	0.4784 0.4726	0.4619	0.4621	0.4786	0.4849	Ave		0.4731				2.0		15.0			
t-Butyl alcohol	0.0303 0.0403	0.0347	0.0355	0.0350	0.0379	Ave		0.0356				9.4		15.0			
Hexane	0.4622 0.4472	0.4413	0.3679	0.4527	0.4496	Ave		0.4368				7.9		15.0			
Isopropyl ether	1.0535 1.0232	1.0610	1.0225	1.0526	1.0480	Ave		1.0435				1.6		15.0			
1,1-Dimethoxyethane	0.0437 0.0554	0.0462	0.0473	0.0504	0.0543	Ave		0.0495				9.4		15.0			
Chloroprene	0.4025 0.4143	0.3982	0.3891	0.4298	0.4196	Ave		0.4089				3.7		15.0			
Tert-butyl ethyl ether	0.9265 0.8750	0.9007	0.8795	0.8932	0.9039	Ave		0.8965				2.1		15.0			
Ethyl acetate	0.3307 0.3664	0.3440	0.3458	0.3570	0.3785	Ave		0.3537				4.8		15.0			
Propionitrile	0.0436 0.0504	0.0466	0.0473	0.0480	0.0511	Ave		0.0478				5.7		15.0			
Methacrylonitrile	0.1926 0.2202	0.2078	0.2098	0.2171	0.2284	Ave		0.2127				5.8		15.0			

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

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

Lab Name: TestAmerica Buffalo Job No.: 480-18068-1 Analy Batch No.: 54585

SDG No.:

Instrument ID: HP5973F GC Column: ZB-624 (60) ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 03/09/2012 16:03 Calibration End Date: 03/09/2012 18:10 Calibration ID: 6376

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								
Isobutyl alcohol	0.0128 0.0198	0.0157	0.0170	0.0173	0.0191	Ave		0.0169				15.0		15.0			
Tert-amyl methyl ether	0.7576 0.7675	0.7574	0.7384	0.7685	0.7867	Ave		0.7627				2.1		15.0			
n-Heptane	0.5214 0.5042	0.5188	0.4366	0.5391	0.5256	Ave		0.5076				7.2		15.0			
n-Butanol	0.0066 0.0123	0.0083	0.0093	0.0100	0.0111	LinF		0.0119							0.9940		0.9900
Methyl methacrylate	0.2795 0.3153	0.3019	0.2934	0.3114	0.3237	Ave		0.3042				5.3		15.0			
1,4-Dioxane	0.0059 0.0076	0.0069	0.0074	0.0064	0.0070	Ave		0.0069				9.5		15.0			
2-Nitropropane	0.0651 0.1586	0.0745	0.0827	0.1101	0.1390	QuaF		0.1060	0.0001						0.9990		0.9900
Epichlorohydrin	0.0349 0.0383	0.0366	0.0372	0.0377	0.0393	Ave		0.0373				4.0		15.0			
3-Chlorobenzotrifluoride	0.9293 0.8722	0.9184	0.8130	0.8861	0.8758	Ave		0.8825				4.7		15.0			
p-Monochlorobenzotrifluoride	0.8987 0.8307	0.8578	0.7869	0.8526	0.8406	Ave		0.8446				4.3		15.0			
2-Chlorobenzotrifluoride	0.8721 0.8230	0.8512	0.7992	0.8448	0.8302	Ave		0.8367				3.0		15.0			
Cyclohexanone	0.0264 0.0328	0.0289	0.0298	0.0301	0.0315	Ave		0.0299				7.4		15.0			
3-Chlorotoluene	0.7990 0.7815	0.7916	0.7538	0.7871	0.7887	Ave		0.7836				2.0		15.0			
Pentachloroethane	0.2320 0.2724	0.2380	0.2328	0.2645	0.2720	Ave		0.2520				7.8		15.0			
Dicyclopentadiene	2.7011 2.3477	2.5800	2.4407	2.5604	2.4871	Ave		2.5195				4.9		15.0			
1,2,3-Trimethylbenzene	2.5006 2.2218	2.4207	2.3362	2.4239	2.3811	Ave		2.3807				4.0		15.0			
1,3,5-Trichlorobenzene	0.9305 0.9026	0.9413	0.9031	0.9268	0.9242	Ave		0.9214				1.7		15.0			

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

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

Lab Name: TestAmerica Buffalo Job No.: 480-18068-1 Analy Batch No.: 54585

SDG No.:

Instrument ID: HP5973F GC Column: ZB-624 (60) ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 03/09/2012 16:03 Calibration End Date: 03/09/2012 18:10 Calibration ID: 6376

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 480-54585/3	F7254.D
Level 2	IC 480-54585/4	F7255.D
Level 3	IC 480-54585/5	F7256.D
Level 4	IC 480-54585/6	F7257.D
Level 5	IC 480-54585/7	F7258.D
Level 6	IC 480-54585/8	F7259.D

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (UG/KG)				
			LVL 1 LVL 6	LVL 2	LVL 3	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2	LVL 3	LVL 4	LVL 5
Chlorodifluoromethane	DFB	Ave	17862 837989	33898	67192	200207	405408	5.00 200	10.0	20.0	50.0	100
Dichlorofluoromethane	DFB	Ave	27625 984336	52277	99836	265283	521807	5.00 200	10.0	20.0	50.0	100
Ethyl ether	DFB	Ave	19582 826632	39687	78994	207213	421336	5.00 200	10.0	20.0	50.0	100
Propene oxide	DFB	Ave	26869 1156998	53966	107589	279589	585104	25.0 1000	50.0	100	250	500
Isopropyl alcohol	DFB	Ave	32294 1579765	68133	143918	335709	724466	100 4000	200	400	1000	2000
Allyl chloride	DFB	Ave	35853 1475551	68561	137749	363934	744302	5.00 200	10.0	20.0	50.0	100
t-Butyl alcohol	DFB	Ave	45443 2519165	103112	211520	532779	1161962	100 4000	200	400	1000	2000
Hexane	DFB	Ave	34644 1396227	65509	109681	344305	690054	5.00 200	10.0	20.0	50.0	100
Isopropyl ether	DFB	Ave	78962 3194757	157490	304816	800489	1608586	5.00 200	10.0	20.0	50.0	100
1,1-Dimethoxyethane	DFB	Ave	16375 864692	34319	70465	191705	416533	25.0 1000	50.0	100	250	500
Chloroprene	DFB	Ave	30168 1293403	59105	115995	326866	644071	5.00 200	10.0	20.0	50.0	100
Tert-butyl ethyl ether	DFB	Ave	69441 2731844	133688	262191	679292	1387372	5.00 200	10.0	20.0	50.0	100
Ethyl acetate	DFB	Ave	24786 1144007	51066	103093	271481	580909	5.00 200	10.0	20.0	50.0	100
Propionitrile	DFB	Ave	32696 1574988	69225	140864	364836	784653	50.0 2000	100	200	500	1000
Methacrylonitrile	DFB	Ave	14435 687462	30840	62553	165100	350638	5.00 200	10.0	20.0	50.0	100
Isobutyl alcohol	DFB	Ave	38257 2471821	93155	203175	524795	1170145	200 8000	400	800	2000	4000

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

Lab Name: TestAmerica Buffalo Job No.: 480-18068-1 Analy Batch No.: 54585

SDG No.:

Instrument ID: HP5973F GC Column: ZB-624 (60) ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 03/09/2012 16:03 Calibration End Date: 03/09/2012 18:10 Calibration ID: 6376

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (UG/KG)				
			LVL 1 LVL 6	LVL 2	LVL 3	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2	LVL 3	LVL 4	LVL 5
Tert-amyl methyl ether	DFB	Ave	56782 2396475	112420	220126	584430	1207601	5.00 200	10.0	20.0	50.0	100
n-Heptane	DFB	Ave	39078 1574343	77006	130166	410001	806789	5.00 200	10.0	20.0	50.0	100
n-Butanol	DFB	LinF	19673 1537664	49357	110711	303509	682828	200 8000	400	800	2000	4000
Methyl methacrylate	DFB	Ave	20950 984511	44818	87465	236774	496826	5.00 200	10.0	20.0	50.0	100
1,4-Dioxane	CBZ	Ave	7673 416091	17678	38278	84517	188407	200 8000	400	800	2000	4000
2-Nitropropane	DCB	QuaF	11108 1176036	25373	57034	194805	503232	25.0 1000	50.0	100	250	500
Epichlorohydrin	DFB	Ave	52365 2394240	108570	221759	573023	1205580	100 4000	200	400	1000	2000
3-Chlorobenzotrifluoride	DCB	Ave	31708 1293146	62535	112164	313578	634285	5.00 200	10.0	20.0	50.0	100
p-Monochlorobenzotrifluoride	DCB	Ave	30664 1231687	58411	108576	301701	608798	5.00 200	10.0	20.0	50.0	100
2-Chlorobenzotrifluoride	DCB	Ave	29755 1220308	57958	110272	298936	601251	5.00 200	10.0	20.0	50.0	100
Cyclohexanone	DCB	Ave	9016 486729	19648	41072	106340	227988	50.0 2000	100	200	500	1000
3-Chlorotoluene	DCB	Ave	27260 1158764	53903	103996	278540	571214	5.00 200	10.0	20.0	50.0	100
Pentachloroethane	DCB	Ave	7916 403911	16207	32124	93594	197030	5.00 200	10.0	20.0	50.0	100
Dicyclopentadiene	DCB	Ave	92160 3480931	175675	336749	906035	1801339	5.00 200	10.0	20.0	50.0	100
1,2,3-Trimethylbenzene	DCB	Ave	85318 3294248	164829	322328	857733	1724559	5.00 200	10.0	20.0	50.0	100
1,3,5-Trichlorobenzene	DCB	Ave	31749 1338263	64095	124599	327962	669370	5.00 200	10.0	20.0	50.0	100

Curve Type Legend:

Ave = Average ISTD
LinF = Linear ISTD forced zero
QuaF = Quadratic ISTD forced zero

TestAmerica Laboratories
Target Compound Quantitation Report

Data File:	\\Bufchrom\ChromData\HP5973F\20120309-10095.b\F7254.D		
Lims ID:	IC A1	Client ID:	
Inject. Date:	09-Mar-2012 16:03:30	Dil. Factor:	1.0000
Sample Type:	IC	Calib Level:	1
Sample ID:	IC A1		
Misc. Info.:	480-0010095-003 =480-0010095-003		
Operator:	TRB	Instrument ID:	HP5973F
Vol. Injected:	1.0000	ALS Bottle#:	4
Lims Batch ID:	54585	Lims Sample ID:	3
Sublist:	chrom-F-8260 SOIL*sub6		
Detector:	MS SCAN		
Method:	\\Bufchrom\ChromData\HP5973F\20120309-10095.b\F-8260 SOIL.m		
Last Update:	09-Mar-2012 18:46:26	Calib Date:	09-Mar-2012 18:10:30
Quant Method:	Internal Standard	Quant By:	Initial Calibration
Last ICal File:	\\Bufchrom\ChromData\HP5973F\20120309-10095.b\F7259.D		
Limit Group:	MV - 8260B ICAL		
Integrator:	RTE	ID Type:	Deconvolution ID
Process Host:	CORP-CTX-19		
First Level Reviewer: cwiklinc		Date:	09-Mar-2012 18:46:26

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/kg	Flags
* 1 1,4-Difluorobenzene	114	5.708	5.714	-0.006	94	749502	50.0	
* 2 Chlorobenzene-d5	82	8.494	8.494	0.0	83	327047	50.0	
* 3 1,4-Dichlorobenzene-d4	152	10.794	10.800	-0.006	95	341193	50.0	
11 Chlorodifluoromethane	51	2.070	2.076	-0.006	66	17862	4.81	
16 Dichlorofluoromethane	67	2.885	2.885	0.0	55	27625	5.37	
18 Ethyl ether	59	3.116	3.116	0.0	78	19582	4.88	
19 Propene oxide	58	3.214	3.214	0.0	84	26869	24.4	
24 Isopropyl alcohol	45	3.475	3.475	0.0	89	32294	92.6	
28 3-Chloro-1-propene	41	3.621	3.627	-0.006	84	35853	5.06	
31 2-Methyl-2-propanol	59	3.786	3.785	0.001	94	45443	85.1	
35 Hexane	57	4.065	4.065	0.0	93	34644	5.29	
36 Isopropyl ether	45	4.218	4.217	0.001	94	78962	5.05	
38 1,1-Dimethoxyethane	75	4.297	4.297	0.001	90	16375	22.0	
40 2-Chloro-1,3-butadiene	53	4.321	4.321	0.0	76	30168	4.92	
41 Tert-butyl ethyl ether	59	4.503	4.503	0.0	98	69441	5.17	
42 Ethyl acetate	43	4.710	4.710	0.0	94	24786	4.67	
46 Propionitrile	54	4.814	4.814	0.0	92	32696	45.6	
47 Methacrylonitrile	41	4.911	4.911	0.0	77	14435	4.53	
53 Isobutyl alcohol	43	5.294	5.294	0.0	88	38257	150.7	
56 Tert-amyl methyl ether	73	5.440	5.440	0.0	92	56782	4.97	
59 n-Heptane	43	5.519	5.519	0.0	92	39078	5.14	
60 n-Butanol	56	5.848	5.848	0.0	85	19673	109.9	
63 Methyl methacrylate	41	6.183	6.189	-0.006	78	20950	4.59	
66 1,4-Dioxane	88	6.286	6.286	0.0	57	7673	170.5	
70 2-Nitropropane	43	6.639	6.639	0.0	85	11108	15.2	
71 Epichlorohydrin	57	6.748	6.748	0.0	92	52365	93.6	
85 3-Chlorobenzotrifluoride	180	8.415	8.415	0.0	67	31708	5.27	
86 4-Chlorobenzotrifluoride	180	8.476	8.476	0.0	61	30664	5.32	
93 2-Chlorobenzotrifluoride	180	9.401	9.407	-0.006	82	29755	5.21	
96 Cyclohexanone	55	9.693	9.687	0.006	72	9016	44.2	

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/kg	Flags
104 3-Chlorotoluene	126	10.088	10.088	0.0	93	27260	5.10	
108 Pentachloroethane	167	10.453	10.459	-0.006	56	7916	4.60	
114 Dicyclopentadiene	66	10.812	10.812	0.0	78	92160	5.36	
112 1,2,3-Trimethylbenzene	105	10.830	10.830	0.0	86	85318	5.25	
118 1,3,5-Trichlorobenzene	180	11.956	11.956	0.0	91	31749	5.05	

Report Date: 09-Mar-2012 18:46:27 Chrom Revision: 2.0 20-Feb-2012 13:27:02

Data File: \\Bufchrom\ChromData\HP5973F\20120309-10095.b\F7254.D

Injection Date:	09-Mar-2012 16:03:30	Limit Group:	MV - 8260B ICAL
Client ID:		Instrument ID:	HP5973F
Lims Batch ID:	54585	Lims Sample ID:	3
Operator ID:	TRB		
Column Type:	ZB-624	Column Dia:	0.25 mm

Y Scaling:

TestAmerica Laboratories
Target Compound Quantitation Report

Data File:	\\Bufchrom\ChromData\HP5973F\20120309-10095.b\F7255.D		
Lims ID:	IC A2	Client ID:	
Inject. Date:	09-Mar-2012 16:28:30	Dil. Factor:	1.0000
Sample Type:	IC	Calib Level:	2
Sample ID:	IC A2		
Misc. Info.:	480-0010095-004 =480-0010095-004		
Operator:	TRB	Instrument ID:	HP5973F
Vol. Injected:	1.0000	ALS Bottle#:	5
Lims Batch ID:	54585	Lims Sample ID:	4
Sublist:	chrom-F-8260 SOIL*sub6		
Detector:	MS SCAN		
Method:	\\Bufchrom\ChromData\HP5973F\20120309-10095.b\F-8260 SOIL.m		
Last Update:	09-Mar-2012 18:47:04	Calib Date:	09-Mar-2012 18:10:30
Quant Method:	Internal Standard	Quant By:	Initial Calibration
Last ICal File:	\\Bufchrom\ChromData\HP5973F\20120309-10095.b\F7259.D		
Limit Group:	MV - 8260B ICAL		
Integrator:	RTE	ID Type:	Deconvolution ID
Process Host:	CORP-CTX-19		
First Level Reviewer: cwiklinc		Date:	09-Mar-2012 18:47:04

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/kg	Flags
* 1 1,4-Difluorobenzene	114	5.714	5.714	0.0	94	742169	50.0	
* 2 Chlorobenzene-d5	82	8.494	8.494	0.0	84	319756	50.0	
* 3 1,4-Dichlorobenzene-d4	152	10.800	10.800	0.0	94	340456	50.0	
11 Chlorodifluoromethane	51	2.076	2.076	0.0	67	33898	9.21	
16 Dichlorofluoromethane	67	2.891	2.885	0.006	77	52277	10.3	
18 Ethyl ether	59	3.116	3.116	0.0	94	39687	10.0	
19 Propene oxide	58	3.220	3.214	0.006	93	53966	49.5	
24 Isopropyl alcohol	45	3.481	3.475	0.006	93	68133	197.3	
28 3-Chloro-1-propene	41	3.633	3.627	0.006	84	68561	9.76	
31 2-Methyl-2-propanol	59	3.785	3.785	0.0	95	103112	195.0	
35 Hexane	57	4.071	4.065	0.006	93	65509	10.1	
36 Isopropyl ether	45	4.224	4.217	0.007	95	157490	10.2	
38 1,1-Dimethoxyethane	75	4.297	4.297	0.001	93	34319	46.7	
40 2-Chloro-1,3-butadiene	53	4.321	4.321	0.0	87	59105	9.74	
41 Tert-butyl ethyl ether	59	4.509	4.503	0.006	98	133688	10.0	
42 Ethyl acetate	43	4.716	4.710	0.006	94	51066	9.73	
46 Propionitrile	54	4.820	4.814	0.006	96	69225	97.5	
47 Methacrylonitrile	41	4.911	4.911	0.0	92	30840	9.77	
53 Isobutyl alcohol	43	5.300	5.294	0.006	94	93155	370.7	
56 Tert-amyl methyl ether	73	5.446	5.440	0.006	94	112420	9.93	
59 n-Heptane	43	5.519	5.519	0.0	93	77006	10.2	
60 n-Butanol	56	5.848	5.848	0.0	89	49357	278.4	
63 Methyl methacrylate	41	6.189	6.189	0.0	88	44818	9.93	
66 1,4-Dioxane	88	6.292	6.286	0.006	87	17678	401.8	
70 2-Nitropropane	43	6.645	6.639	0.006	88	25373	34.6	
71 Epichlorohydrin	57	6.754	6.748	0.006	96	108570	195.9	
85 3-Chlorobenzotrifluoride	180	8.415	8.415	0.0	80	62535	10.4	
86 4-Chlorobenzotrifluoride	180	8.470	8.476	-0.006	79	58411	10.2	
93 2-Chlorobenzotrifluoride	180	9.407	9.407	0.0	91	57958	10.2	
96 Cyclohexanone	55	9.693	9.687	0.006	51	19648	96.5	

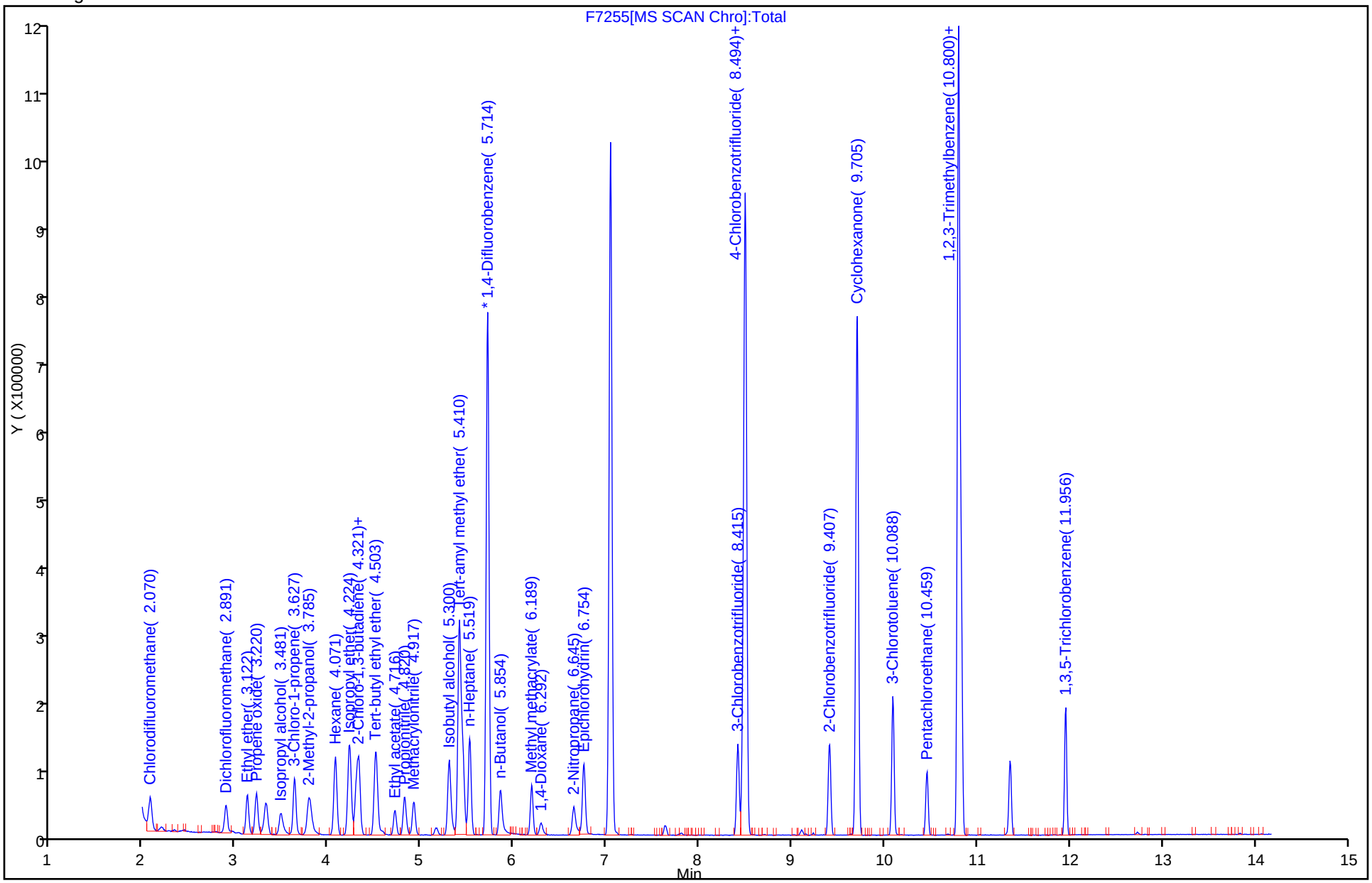
Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/kg	Flags
104 3-Chlorotoluene	126	10.088	10.088	0.0	94	53903	10.1	
108 Pentachloroethane	167	10.453	10.459	-0.006	68	16207	9.45	
114 Dicyclopentadiene	66	10.812	10.812	0.0	87	175675	10.2	
112 1,2,3-Trimethylbenzene	105	10.830	10.830	0.0	73	164829	10.2	
118 1,3,5-Trichlorobenzene	180	11.956	11.956	0.0	95	64095	10.2	

Report Date: 09-Mar-2012 18:47:05 Chrom Revision: 2.0 20-Feb-2012 13:27:02

Data File: \\Bufchrom\ChromData\HP5973F\20120309-10095.b\F7255.D

Injection Date:	09-Mar-2012 16:28:30	Limit Group:	MV - 8260B ICAL
Client ID:		Instrument ID:	HP5973F
Lims Batch ID:	54585	Lims Sample ID:	4
Operator ID:	TRB		
Column Type:	ZB-624	Column Dia:	0.25 mm

Y Scaling:



TestAmerica Laboratories
Target Compound Quantitation Report

Data File:	\\Bufchrom\ChromData\HP5973F\20120309-10095.b\F7256.D		
Lims ID:	IC A3	Client ID:	
Inject. Date:	09-Mar-2012 16:54:30	Dil. Factor:	1.0000
Sample Type:	IC	Calib Level:	3
Sample ID:	IC A3		
Misc. Info.:	480-0010095-005 =480-0010095-005		
Operator:	TRB	Instrument ID:	HP5973F
Vol. Injected:	1.0000	ALS Bottle#:	6
Lims Batch ID:	54585	Lims Sample ID:	5
Sublist:	chrom-F-8260 SOIL*sub6		
Detector:	MS SCAN		
Method:	\\Bufchrom\ChromData\HP5973F\20120309-10095.b\F-8260 SOIL.m		
Last Update:	09-Mar-2012 18:47:43	Calib Date:	09-Mar-2012 18:10:30
Quant Method:	Internal Standard	Quant By:	Initial Calibration
Last ICal File:	\\Bufchrom\ChromData\HP5973F\20120309-10095.b\F7259.D		
Limit Group:	MV - 8260B ICAL		
Integrator:	RTE	ID Type:	Deconvolution ID
Process Host:	CORP-CTX-19		

First Level Reviewer: cwiklinc Date: 09-Mar-2012 18:47:43

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/kg	Flags
* 1 1,4-Difluorobenzene	114	5.714	5.714	0.0	94	745298	50.0	
* 2 Chlorobenzene-d5	82	8.494	8.494	0.0	82	322332	50.0	
* 3 1,4-Dichlorobenzene-d4	152	10.794	10.794	0.0	95	344928	50.0	
11 Chlorodifluoromethane	51	2.082	2.082	0.0	73	67192	18.2	
16 Dichlorofluoromethane	67	2.891	2.891	0.0	81	99836	19.5	
18 Ethyl ether	59	3.123	3.123	0.0	94	78994	19.8	
19 Propene oxide	58	3.220	3.220	0.0	94	107589	98.3	
24 Isopropyl alcohol	45	3.481	3.481	0.0	97	143918	415.0	
28 3-Chloro-1-propene	41	3.627	3.627	0.0	88	137749	19.5	
31 2-Methyl-2-propanol	59	3.786	3.786	0.0	97	211520	398.3	
35 Hexane	57	4.072	4.072	0.0	95	109681	16.8	
36 Isopropyl ether	45	4.224	4.224	0.0	95	304816	19.6	
38 1,1-Dimethoxyethane	75	4.297	4.297	0.0	93	70465	95.4	
40 2-Chloro-1,3-butadiene	53	4.327	4.327	0.0	90	115995	19.0	
41 Tert-butyl ethyl ether	59	4.510	4.510	0.0	97	262191	19.6	
42 Ethyl acetate	43	4.710	4.710	0.0	96	103093	19.6	
46 Propionitrile	54	4.820	4.820	0.0	98	140864	197.5	
47 Methacrylonitrile	41	4.917	4.917	0.0	94	62553	19.7	
53 Isobutyl alcohol	43	5.300	5.300	0.0	95	203175	805.0	
56 Tert-amyl methyl ether	73	5.440	5.440	0.0	96	220126	19.4	
59 n-Heptane	43	5.519	5.519	0.0	96	130166	17.2	
60 n-Butanol	56	5.854	5.854	0.0	91	110711	621.8	
63 Methyl methacrylate	41	6.189	6.189	0.0	93	87465	19.3	
66 1,4-Dioxane	88	6.286	6.286	0.0	94	38278	863.0	
70 2-Nitropropane	43	6.645	6.645	0.0	98	57034	75.2	
71 Epichlorohydrin	57	6.754	6.754	0.0	98	221759	398.5	
85 3-Chlorobenzotrifluoride	180	8.415	8.415	0.0	89	112164	18.4	
86 4-Chlorobenzotrifluoride	180	8.476	8.476	0.0	85	108576	18.6	
93 2-Chlorobenzotrifluoride	180	9.407	9.407	0.0	94	110272	19.1	
96 Cyclohexanone	55	9.693	9.693	0.0	90	41072	199.1	

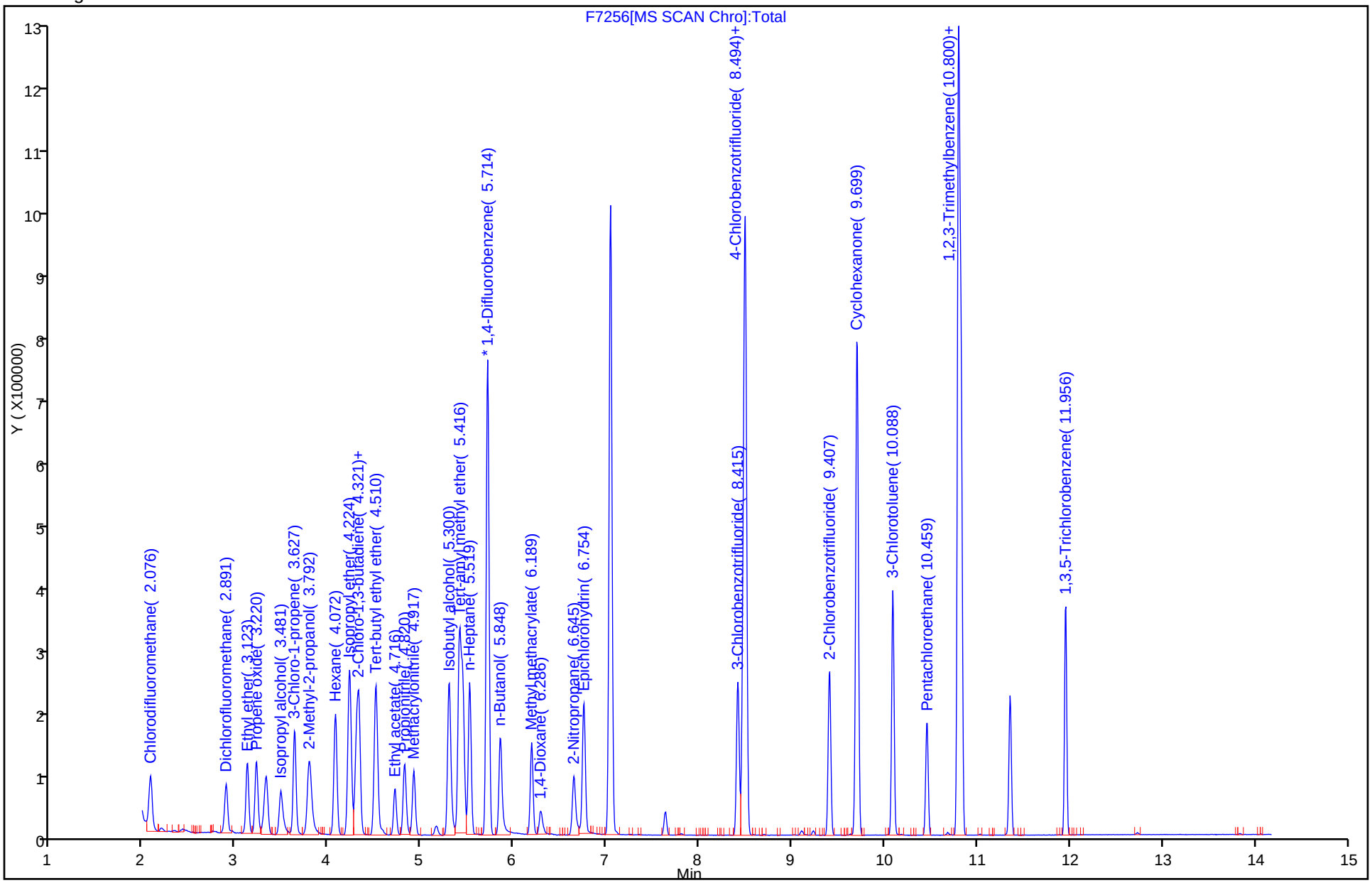
Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/kg	Flags
104 3-Chlorotoluene	126	10.088	10.088	0.0	95	103996	19.2	
108 Pentachloroethane	167	10.459	10.459	0.0	76	32124	18.5	
114 Dicyclopentadiene	66	10.812	10.812	0.0	96	336749	19.4	
112 1,2,3-Trimethylbenzene	105	10.830	10.830	0.0	78	322328	19.6	
118 1,3,5-Trichlorobenzene	180	11.956	11.956	0.0	96	124599	19.6	

Report Date: 09-Mar-2012 18:47:44 Chrom Revision: 2.0 20-Feb-2012 13:27:02

Data File: \\Bufchrom\ChromData\HP5973F\20120309-10095.b\F7256.D

Injection Date:	09-Mar-2012 16:54:30	Limit Group:	MV - 8260B ICAL
Client ID:		Instrument ID:	HP5973F
Lims Batch ID:	54585	Lims Sample ID:	5
Operator ID:	TRB		
Column Type:	ZB-624	Column Dia:	0.25 mm

Y Scaling:



TestAmerica Laboratories
Target Compound Quantitation Report

Data File:	\\Bufchrom\ChromData\HP5973F\20120309-10095.b\F7257.D		
Lims ID:	IC A4	Client ID:	
Inject. Date:	09-Mar-2012 17:19:30	Dil. Factor:	1.0000
Sample Type:	IC	Calib Level:	4
Sample ID:	IC A4		
Misc. Info.:	480-0010095-006 =480-0010095-006		
Operator:	TRB	Instrument ID:	HP5973F
Vol. Injected:	1.0000	ALS Bottle#:	7
Lims Batch ID:	54585	Lims Sample ID:	6
Sublist:	chrom-F-8260 SOIL*sub6		
Detector:	MS SCAN		
Method:	\\Bufchrom\ChromData\HP5973F\20120309-10095.b\F-8260 SOIL.m		
Last Update:	09-Mar-2012 18:48:45	Calib Date:	09-Mar-2012 18:10:30
Quant Method:	Internal Standard	Quant By:	Initial Calibration
Last ICal File:	\\Bufchrom\ChromData\HP5973F\20120309-10095.b\F7259.D		
Limit Group:	MV - 8260B ICAL		
Integrator:	RTE	ID Type:	Deconvolution ID
Process Host:	CORP-CTX-19		
First Level Reviewer: cwiklinc		Date:	09-Mar-2012 18:48:45

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/kg	Flags
* 1 1,4-Difluorobenzene	114	5.714	5.714	0.0	94	760475	50.0	
* 2 Chlorobenzene-d5	82	8.494	8.494	0.0	83	329169	50.0	
* 3 1,4-Dichlorobenzene-d4	152	10.800	10.800	0.0	94	353871	50.0	
11 Chlorodifluoromethane	51	2.076	2.076	0.0	77	200207	53.1	
16 Dichlorofluoromethane	67	2.885	2.885	0.0	83	265283	50.8	
18 Ethyl ether	59	3.116	3.116	0.0	95	207213	50.9	
19 Propene oxide	58	3.214	3.214	0.0	95	279589	250.4	
24 Isopropyl alcohol	45	3.475	3.475	0.0	98	335709	948.7	
28 3-Chloro-1-propene	41	3.627	3.627	0.0	90	363934	50.6	
31 2-Methyl-2-propanol	59	3.785	3.785	0.0	98	532779	983.3	
35 Hexane	57	4.065	4.065	0.0	95	344305	51.8	
36 Isopropyl ether	45	4.217	4.217	0.0	96	800489	50.4	
38 1,1-Dimethoxyethane	75	4.297	4.297	0.0	95	191705	254.4	
40 2-Chloro-1,3-butadiene	53	4.321	4.321	0.0	89	326866	52.6	
41 Tert-butyl ethyl ether	59	4.503	4.503	0.0	98	679292	49.8	
42 Ethyl acetate	43	4.710	4.710	0.0	99	271481	50.5	
46 Propionitrile	54	4.814	4.814	0.0	99	364836	501.4	
47 Methacrylonitrile	41	4.911	4.911	0.0	95	165100	51.0	
53 Isobutyl alcohol	43	5.294	5.294	0.0	95	524795	2037.8	
56 Tert-amyl methyl ether	73	5.440	5.440	0.0	96	584430	50.4	
59 n-Heptane	43	5.519	5.519	0.0	96	410001	53.1	
60 n-Butanol	56	5.848	5.848	0.0	91	303509	1670.7	
63 Methyl methacrylate	41	6.189	6.189	0.0	94	236774	51.2	
66 1,4-Dioxane	88	6.286	6.286	0.0	92	84517	1865.8	
70 2-Nitropropane	43	6.639	6.639	0.0	99	194805	232.6	
71 Epichlorohydrin	57	6.748	6.748	0.0	98	573023	1009.2	
85 3-Chlorobenzotrifluoride	180	8.415	8.415	0.0	92	313578	50.2	
86 4-Chlorobenzotrifluoride	180	8.476	8.476	0.0	91	301701	50.5	
93 2-Chlorobenzotrifluoride	180	9.407	9.407	0.0	96	298936	50.5	
96 Cyclohexanone	55	9.687	9.687	0.0	93	106340	502.5	

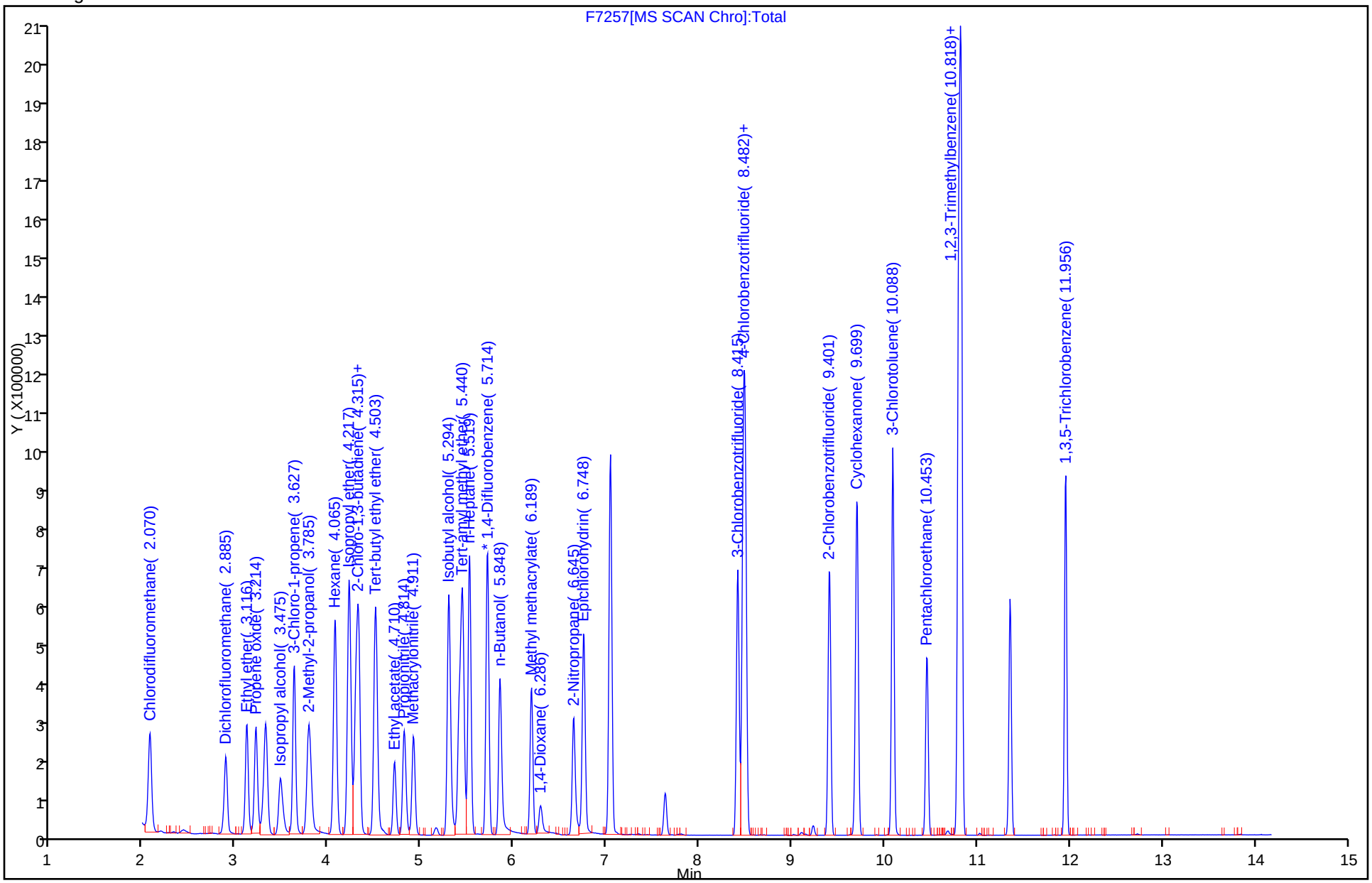
Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/kg	Flags
104 3-Chlorotoluene	126	10.088	10.088	0.0	95	278540	50.2	
108 Pentachloroethane	167	10.459	10.459	0.0	84	93594	52.5	
114 Dicyclopentadiene	66	10.812	10.812	0.0	96	906035	50.8	
112 1,2,3-Trimethylbenzene	105	10.830	10.830	0.0	92	857733	50.9	
118 1,3,5-Trichlorobenzene	180	11.956	11.956	0.0	97	327962	50.3	

Report Date: 09-Mar-2012 18:48:45 Chrom Revision: 2.0 20-Feb-2012 13:27:02

Data File: \\Bufchrom\ChromData\HP5973F\20120309-10095.b\F7257.D

Injection Date:	09-Mar-2012 17:19:30	Limit Group:	MV - 8260B ICAL
Client ID:		Instrument ID:	HP5973F
Lims Batch ID:	54585	Lims Sample ID:	6
Operator ID:	TRB		
Column Type:	ZB-624	Column Dia:	0.25 mm

Y Scaling:



TestAmerica Laboratories
Target Compound Quantitation Report

Data File:	\\Bufchrom\ChromData\HP5973F\20120309-10095.b\F7258.D		
Lims ID:	IC A5	Client ID:	
Inject. Date:	09-Mar-2012 17:45:30	Dil. Factor:	1.0000
Sample Type:	IC	Calib Level:	5
Sample ID:	IC A5		
Misc. Info.:	480-0010095-007 =480-0010095-007		
Operator:	TRB	Instrument ID:	HP5973F
Vol. Injected:	1.0000	ALS Bottle#:	8
Lims Batch ID:	54585	Lims Sample ID:	7
Sublist:	chrom-F-8260 SOIL*sub6		
Detector:	MS SCAN		
Method:	\\Bufchrom\ChromData\HP5973F\20120309-10095.b\F-8260 SOIL.m		
Last Update:	09-Mar-2012 18:49:11	Calib Date:	09-Mar-2012 18:10:30
Quant Method:	Internal Standard	Quant By:	Initial Calibration
Last ICal File:	\\Bufchrom\ChromData\HP5973F\20120309-10095.b\F7259.D		
Limit Group:	MV - 8260B ICAL		
Integrator:	RTE	ID Type:	Deconvolution ID
Process Host:	CORP-CTX-19		
First Level Reviewer: cwiklinc		Date:	09-Mar-2012 18:49:11

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/kg	Flags
* 1 1,4-Difluorobenzene	114	5.714	5.714	0.0	93	767467	50.0	
* 2 Chlorobenzene-d5	82	8.494	8.494	0.0	79	334431	50.0	
* 3 1,4-Dichlorobenzene-d4	152	10.800	10.800	0.0	83	362131	50.0	
11 Chlorodifluoromethane	51	2.070	2.076	-0.006	77	405408	106.5	
16 Dichlorofluoromethane	67	2.885	2.885	0.0	83	521807	99.0	
18 Ethyl ether	59	3.110	3.116	-0.006	95	421336	102.6	
19 Propene oxide	58	3.208	3.214	-0.006	96	585104	519.2	
24 Isopropyl alcohol	45	3.475	3.475	0.0	99	724466	2028.6	
28 3-Chloro-1-propene	41	3.621	3.627	-0.006	90	744302	102.5	
31 2-Methyl-2-propanol	59	3.779	3.785	-0.006	98	1161962	2125.0	
35 Hexane	57	4.065	4.065	0.0	94	690054	102.9	
36 Isopropyl ether	45	4.217	4.217	0.0	95	1608586	100.4	
38 1,1-Dimethoxyethane	75	4.290	4.297	-0.006	95	416533	547.7	
40 2-Chloro-1,3-butadiene	53	4.321	4.321	0.0	88	644071	102.6	
41 Tert-butyl ethyl ether	59	4.503	4.503	0.0	98	1387372	100.8	
42 Ethyl acetate	43	4.704	4.710	-0.006	99	580909	107.0	
46 Propionitrile	54	4.814	4.814	0.0	99	784653	1068.5	
47 Methacrylonitrile	41	4.911	4.911	0.0	94	350638	107.4	
53 Isobutyl alcohol	43	5.294	5.294	0.0	96	1170145	4502.4	
56 Tert-amyl methyl ether	73	5.440	5.440	0.0	96	1207601	103.2	
59 n-Heptane	43	5.519	5.519	0.0	95	806789	103.5	
60 n-Butanol	56	5.848	5.848	0.0	90	682828	3724.4	
63 Methyl methacrylate	41	6.188	6.189	0.0	94	496826	106.4	
66 1,4-Dioxane	88	6.286	6.286	0.0	94	188407	4093.9	
70 2-Nitropropane	43	6.639	6.639	0.0	98	503232	519.8	
71 Epichlorohydrin	57	6.748	6.748	0.0	99	1205580	2104.0	
85 3-Chlorobenzotrifluoride	180	8.415	8.415	0.0	92	634285	99.2	
86 4-Chlorobenzotrifluoride	180	8.476	8.476	0.0	95	608798	99.5	
93 2-Chlorobenzotrifluoride	180	9.407	9.407	0.0	97	601251	99.2	
96 Cyclohexanone	55	9.687	9.687	0.0	93	227988	1052.8	

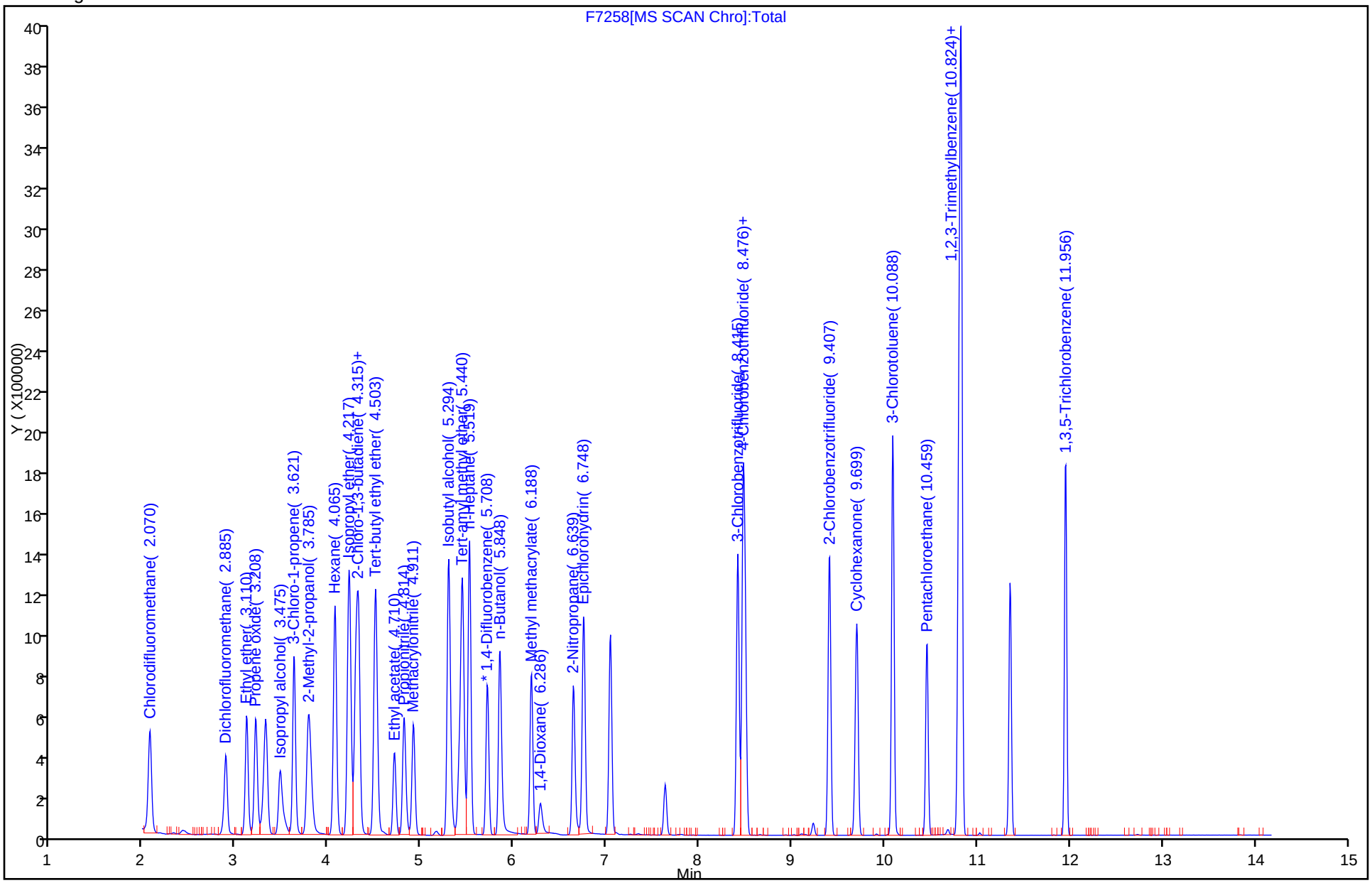
Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/kg	Flags
104 3-Chlorotoluene	126	10.088	10.088	0.0	95	571214	100.6	
108 Pentachloroethane	167	10.459	10.459	0.0	86	197030	108.0	
114 Dicyclopentadiene	66	10.812	10.812	0.0	97	1801339	98.7	
112 1,2,3-Trimethylbenzene	105	10.830	10.830	0.0	97	1724559	100.0	
118 1,3,5-Trichlorobenzene	180	11.956	11.956	0.0	94	669370	100.3	

Report Date: 09-Mar-2012 18:49:11 Chrom Revision: 2.0 20-Feb-2012 13:27:02

Data File: \\Bufchrom\ChromData\HP5973F\20120309-10095.b\F7258.D

Injection Date:	09-Mar-2012 17:45:30	Limit Group:	MV - 8260B ICAL
Client ID:		Instrument ID:	HP5973F
Lims Batch ID:	54585	Lims Sample ID:	7
Operator ID:	TRB		
Column Type:	ZB-624	Column Dia:	0.25 mm

Y Scaling:



TestAmerica Laboratories
Target Compound Quantitation Report

Data File:	\\Bufchrom\ChromData\HP5973F\20120309-10095.b\F7259.D		
Lims ID:	IC A6	Client ID:	
Inject. Date:	09-Mar-2012 18:10:30	Dil. Factor:	1.0000
Sample Type:	IC	Calib Level:	6
Sample ID:	IC A6		
Misc. Info.:	480-0010095-008 =480-0010095-008		
Operator:	TRB	Instrument ID:	HP5973F
Vol. Injected:	1.0000	ALS Bottle#:	9
Lims Batch ID:	54585	Lims Sample ID:	8
Sublist:	chrom-F-8260 SOIL*sub6		
Detector:	MS SCAN		
Method:	\\Bufchrom\ChromData\HP5973F\20120309-10095.b\F-8260 SOIL.m		
Last Update:	09-Mar-2012 18:52:14	Calib Date:	09-Mar-2012 18:10:30
Quant Method:	Internal Standard	Quant By:	Initial Calibration
Last ICal File:	\\Bufchrom\ChromData\HP5973F\20120309-10095.b\F7259.D		
Limit Group:	MV - 8260B ICAL		
Integrator:	RTE	ID Type:	Deconvolution ID
Process Host:	CORP-CTX-19		
First Level Reviewer: cwiklinc		Date:	09-Mar-2012 18:52:14

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/kg	Flags
* 1 1,4-Difluorobenzene	114	5.714	5.714	0.0	93	780561	50.0	
* 2 Chlorobenzene-d5	82	8.494	8.494	0.0	82	341119	50.0	
* 3 1,4-Dichlorobenzene-d4	152	10.800	10.800	0.0	96	370668	50.0	
11 Chlorodifluoromethane	51	2.076	2.076	0.0	78	837989	216.5	
16 Dichlorofluoromethane	67	2.891	2.885	0.006	83	984336	183.7	
18 Ethyl ether	59	3.116	3.116	0.0	95	826632	197.9	
19 Propene oxide	58	3.214	3.214	0.0	96	1156998	1009.6	
24 Isopropyl alcohol	45	3.475	3.475	0.0	99	1579765	4349.3	
28 3-Chloro-1-propene	41	3.627	3.627	0.0	91	1475551	199.8	
31 2-Methyl-2-propanol	59	3.786	3.785	0.001	98	2519165	4529.7	
35 Hexane	57	4.072	4.065	0.007	94	1396227	204.7	
36 Isopropyl ether	45	4.224	4.217	0.007	95	3194757	196.1	
38 1,1-Dimethoxyethane	75	4.297	4.297	0.001	94	864692	1117.9	
40 2-Chloro-1,3-butadiene	53	4.321	4.321	0.0	88	1293403	202.6	
41 Tert-butyl ethyl ether	59	4.510	4.503	0.007	97	2731844	195.2	
42 Ethyl acetate	43	4.710	4.710	0.0	99	1144007	207.2	
46 Propionitrile	54	4.814	4.814	0.0	99	1574988	2108.8	
47 Methacrylonitrile	41	4.917	4.911	0.006	94	687462	207.1	
53 Isobutyl alcohol	43	5.294	5.294	0.0	95	2471821	9351.4	
56 Tert-amyl methyl ether	73	5.440	5.440	0.0	98	2396475	201.3	
59 n-Heptane	43	5.519	5.519	0.0	95	1574343	198.7	
60 n-Butanol	56	5.848	5.848	0.0	89	1537664	8246.3	
63 Methyl methacrylate	41	6.189	6.189	0.001	94	984511	207.3	
66 1,4-Dioxane	88	6.286	6.286	0.0	94	416091	8864.1	
70 2-Nitropropane	43	6.639	6.639	0.0	97	1176036	997.1	
71 Epichlorohydrin	57	6.754	6.748	0.006	99	2394240	4108.3	
85 3-Chlorobenzotrifluoride	180	8.415	8.415	0.0	89	1293146	197.7	
86 4-Chlorobenzotrifluoride	180	8.470	8.476	-0.006	94	1231687	196.7	
93 2-Chlorobenzotrifluoride	180	9.407	9.407	0.0	96	1220308	196.7	
96 Cyclohexanone	55	9.687	9.687	0.0	93	486729	2195.8	

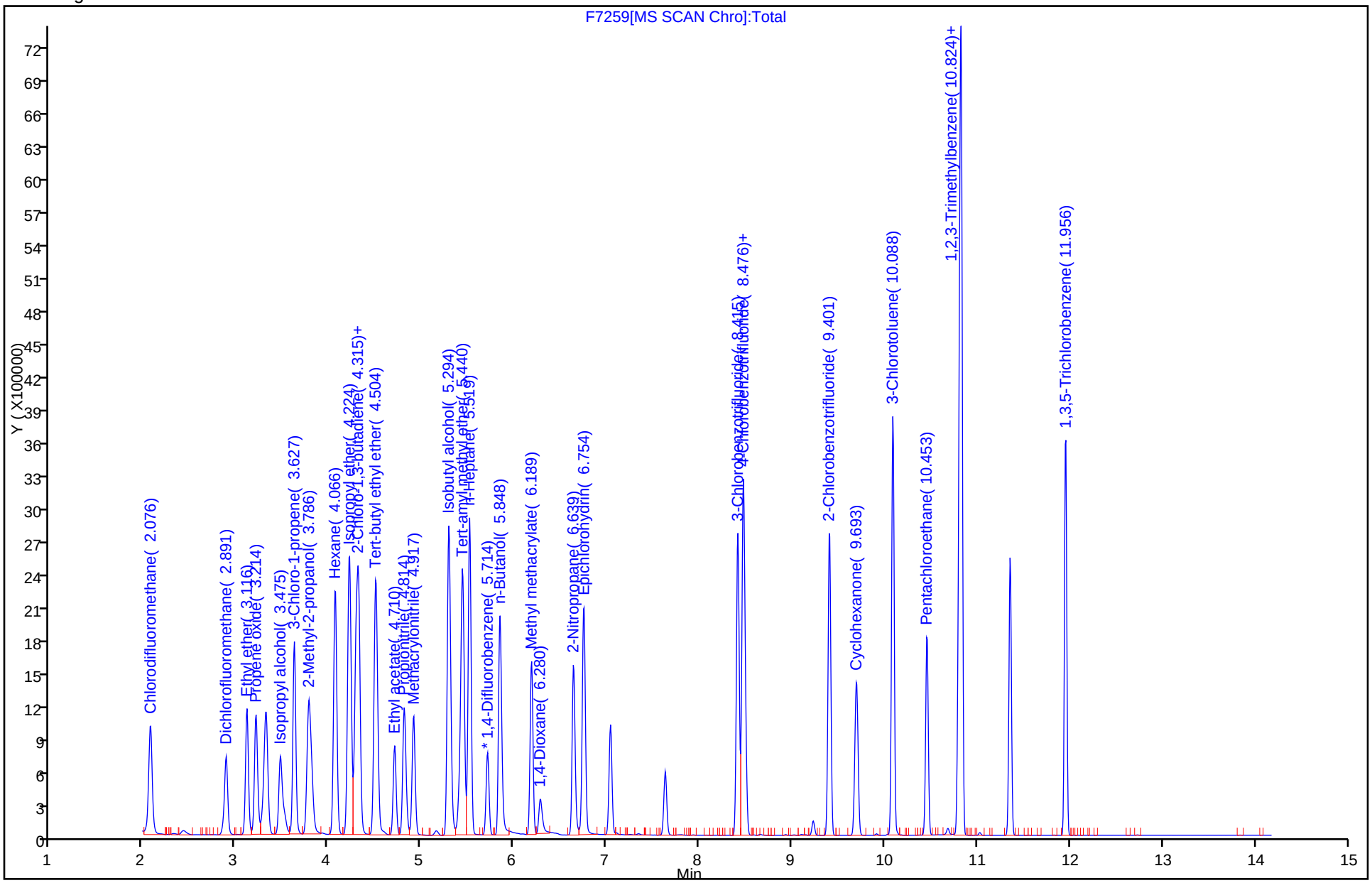
Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/kg	Flags
104 3-Chlorotoluene	126	10.088	10.088	0.0	95	1158764	199.5	
108 Pentachloroethane	167	10.459	10.459	0.0	87	403911	216.2	
114 Dicyclopentadiene	66	10.812	10.812	0.0	97	3480931	186.4	
112 1,2,3-Trimethylbenzene	105	10.830	10.830	0.0	96	3294248	186.7	
118 1,3,5-Trichlorobenzene	180	11.956	11.956	0.0	97	1338263	195.9	

Report Date: 09-Mar-2012 18:52:15 Chrom Revision: 2.0 20-Feb-2012 13:27:02

Data File: \\Bufchrom\ChromData\HP5973F\20120309-10095.b\F7259.D

Injection Date:	09-Mar-2012 18:10:30	Limit Group:	MV - 8260B ICAL
Client ID:		Instrument ID:	HP5973F
Lims Batch ID:	54585	Lims Sample ID:	8
Operator ID:	TRB		
Column Type:	ZB-624	Column Dia:	0.25 mm

Y Scaling:



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

Lab Name: TestAmerica Buffalo Job No.: 480-18068-1 Analy Batch No.: 55366

SDG No.:

Instrument ID: HP5973G GC Column: ZB-624 (60) ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 03/15/2012 17:01 Calibration End Date: 03/15/2012 18:51 Calibration ID: 7120

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	STD 480-55366/10	G9991.D
Level 2	STD 480-55366/11	G9992.D
Level 3	STD 480-55366/12	G9993.D
Level 4	STD 480-55366/13	G9994.D
Level 5	STD 480-55366/14	G9995.D
Level 6	STD 480-55366/15	G9996.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								
Chlorodifluoromethane	0.3425 0.5808	0.5305	0.5045	0.5868	0.5494	Lin1F		0.5668							0.9970		0.9900
Dichlorofluoromethane	0.4925 0.6276	0.6582	0.6822	0.7673	0.6988	Ave		0.6545				14.0		15.0			
Ethyl ether	0.3240 0.3324	0.3753	0.3831	0.4004	0.3643	Ave		0.3633				8.2		15.0			
Propene oxide	0.1397 0.1137	0.1282	0.1196	0.1167	0.1323	Ave		0.1250				8.0		15.0			
Isopropyl alcohol	0.0836 0.0598	0.0727	0.0624	0.0608	0.0696	Ave		0.0682				13.0		15.0			
Allyl chloride	0.3491 0.2689	0.3718	0.3083	0.3182	0.3454	Ave		0.3269				11.0		15.0			
t-Butyl alcohol	0.1037 0.1089	0.1094	0.1142	0.1212	0.1172	Ave		0.1124				5.6		15.0			
Hexane	0.6481 0.5785	0.6324	0.5536	0.5488	0.6236	Ave		0.5975				7.1		15.0			
Isopropyl ether	1.2097 1.4789	1.4545	1.4645	1.5937	1.4883	Ave		1.4483				8.8		15.0			
Chloroprene	0.4432 0.6503	0.6252	0.5855	0.7130	0.6718	Ave		0.6148				15.0		15.0			
1,1-Dimethoxyethane	0.1198 0.1200	0.1179	0.1072	0.1096	0.1202	Ave		0.1158				5.0		15.0			
Tert-butyl ethyl ether	1.3992 1.3320	1.3262	1.2291	1.2228	1.3734	Ave		1.3138				5.6		15.0			
Ethyl acetate	0.6175 0.6803	0.6802	0.6997	0.7326	0.6960	Ave		0.6844				5.5		15.0			
Propionitrile	0.1079 0.1186	0.1166	0.1203	0.1278	0.1208	Ave		0.1187				5.5		15.0			
Methacrylonitrile	0.3798 0.4007	0.3922	0.4074	0.4269	0.4066	Ave		0.4023				3.9		15.0			

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

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

Lab Name: TestAmerica Buffalo Job No.: 480-18068-1 Analy Batch No.: 55366

SDG No.:

Instrument ID: HP5973G GC Column: ZB-624 (60) ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 03/15/2012 17:01 Calibration End Date: 03/15/2012 18:51 Calibration ID: 7120

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								
Isobutyl alcohol	0.0563 0.0590	0.0593	0.0604	0.0646	0.0638	Ave		0.0606				5.1		15.0			
Tert-amyl methyl ether	1.1421 1.1556	1.1375	1.0516	1.0663	1.1901	Ave		1.1239				4.8		15.0			
n-Heptane	0.7878 0.6595	0.7122	0.6334	0.6283	0.6733	Ave		0.6824				8.8		15.0			
n-Butanol	0.0244 0.0320	0.0272	0.0326	0.0359	0.0344	Ave		0.0311				14.0		15.0			
Methyl methacrylate	0.4911 0.5667	0.5151	0.5400	0.6069	0.5803	Ave		0.5500				7.8		15.0			
1,4-Dioxane	0.0136 0.0168	0.0150	0.0157	0.0152	0.0161	Ave		0.0154				7.1		15.0			
2-Nitropropane	0.1252 0.2358	0.1393	0.1331	0.1745	0.1957	QuaF		0.1519	0.0002						1.0000		0.9900
Epichlorohydrin	0.0867 0.0842	0.0899	0.0836	0.0816	0.0908	Ave		0.0861				4.2		15.0			
2-Methylthiophene	2.7676 2.6069	2.7017	2.5357	2.7990	2.7162	Ave		2.6878				3.7		15.0			
3-Methylthiophene	2.7990 2.7134	2.8977	2.6371	2.8742	2.8267	Ave		2.7913				3.6		15.0			
3-Chlorobenzotrifluoride	1.1668 1.0248	1.1268	0.9637	0.9981	1.0783	Ave		1.0597				7.4		15.0			
p-Monochlorobenzotrifluoride	1.1136 1.0112	1.0804	0.9025	0.9525	1.0700	Ave		1.0217				8.0		15.0			
2-Chlorobenzotrifluoride	1.0615 1.0225	1.0833	0.9393	0.9795	1.0760	Ave		1.0270				5.6		15.0			
Cyclohexanone	0.0809 0.0860	0.0830	0.0845	0.0896	0.0909	Ave		0.0858				4.5		15.0			
3-Chlorotoluene	0.9422 0.9243	0.9474	0.8318	0.8527	0.9599	Ave		0.9097				5.9		15.0			
Pentachloroethane	0.1810 0.2271	0.2270	0.2105	0.1944	0.2119	Ave		0.2086				8.7		15.0			
Dicyclopentadiene	4.3122 4.0872	4.1601	3.6187	3.8551	4.3487	Ave		4.0637				6.9		15.0			
1,2,3-Trimethylbenzene	3.4972 3.4804	3.6448	3.2800	3.3216	3.7281	Ave		3.4920				5.0		15.0			
1,3,5-Trichlorobenzene	1.2729 1.1655	1.2316	1.1359	1.1494	1.3108	Ave		1.2110				5.9		15.0			

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

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

Lab Name: TestAmerica Buffalo Job No.: 480-18068-1 Analy Batch No.: 55366

SDG No.:

Instrument ID: HP5973G GC Column: ZB-624 (60) ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 03/15/2012 17:01 Calibration End Date: 03/15/2012 18:51 Calibration ID: 7120

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	STD 480-55366/10	G9991.D
Level 2	STD 480-55366/11	G9992.D
Level 3	STD 480-55366/12	G9993.D
Level 4	STD 480-55366/13	G9994.D
Level 5	STD 480-55366/14	G9995.D
Level 6	STD 480-55366/15	G9996.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
Chlorodifluoromethane	DFB	Lin1F	4035 713019	31536	57654	171791	324270	1.00 100	5.00	10.0	25.0	50.0
Dichlorofluoromethane	DFB	Ave	5802 770561	39133	77970	224642	412442	1.00 100	5.00	10.0	25.0	50.0
Ethyl ether	DFB	Ave	3817 408073	22311	43785	117229	215031	1.00 100	5.00	10.0	25.0	50.0
Propene oxide	DFB	Ave	8227 698147	38098	68340	170782	390391	5.00 500	25.0	50.0	125	250
Isopropyl alcohol	DFB	Ave	19697 1467231	86390	142732	356201	821854	20.0 2000	100	200	500	1000
Allyl chloride	DFB	Ave	4112 330129	22106	35231	93157	203874	1.00 100	5.00	10.0	25.0	50.0
t-Butyl alcohol	DFB	Ave	24427 2673555	130137	261109	709641	1383444	20.0 2000	100	200	500	1000
Hexane	DFB	Ave	7635 710191	37599	63263	160674	368048	1.00 100	5.00	10.0	25.0	50.0
Isopropyl ether	DFB	Ave	14251 1815723	86472	167367	466578	878393	1.00 100	5.00	10.0	25.0	50.0
Chloroprene	DFB	Ave	5221 798371	37167	66917	208736	396491	1.00 100	5.00	10.0	25.0	50.0
1,1-Dimethoxyethane	DFB	Ave	7054 736672	35036	61259	160382	354715	5.00 500	25.0	50.0	125	250
Tert-butyl ethyl ether	DFB	Ave	16483 1635316	78843	140466	357977	810573	1.00 100	5.00	10.0	25.0	50.0
Ethyl acetate	DFB	Ave	7274 835185	40438	79964	214468	410801	1.00 100	5.00	10.0	25.0	50.0
Propionitrile	DFB	Ave	12707 1456303	69347	137485	374034	712766	10.0 1000	50.0	100	250	500
Methacrylonitrile	DFB	Ave	4474 491931	23314	46560	124973	239991	1.00 100	5.00	10.0	25.0	50.0
Isobutyl alcohol	DFB	Ave	26552 2898542	140979	275911	756221	1505214	40.0 4000	200	400	1000	2000

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

Lab Name: TestAmerica Buffalo Job No.: 480-18068-1 Analy Batch No.: 55366

SDG No.:

Instrument ID: HP5973G GC Column: ZB-624 (60) ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 03/15/2012 17:01 Calibration End Date: 03/15/2012 18:51 Calibration ID: 7120

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
Tert-amyl methyl ether	DFB	Ave	13454 1418746	67628	120178	312162	702414	1.00 100	5.00	10.0	25.0	50.0
n-Heptane	DFB	Ave	9281 809736	42343	72388	183930	397407	1.00 100	5.00	10.0	25.0	50.0
n-Butanol	DFB	Ave	11519 1571860	64742	148923	420388	812035	40.0 4000	200	400	1000	2000
Methyl methacrylate	DFB	Ave	5785 695705	30626	61713	177666	342496	1.00 100	5.00	10.0	25.0	50.0
1,4-Dioxane	CBZ	Ave	3263 425730	18218	36878	92230	197178	40.0 4000	200	400	1000	2000
2-Nitropropane	DCB	QuaF	3209 649018	18246	34642	114467	261653	5.00 500	25.0	50.0	125	250
Epichlorohydrin	DFB	Ave	20419 2066967	106845	191182	477754	1071727	20.0 2000	100	200	500	1000
2-Methylthiophene	DCB	Ave	14191 1434987	70755	131957	367310	726258	1.00 100	5.00	10.0	25.0	50.0
3-Methylthiophene	DCB	Ave	14352 1493580	75888	137235	377175	755788	1.00 100	5.00	10.0	25.0	50.0
3-Chlorobenzotrifluoride	DCB	Ave	5983 564113	29510	50149	130976	288303	1.00 100	5.00	10.0	25.0	50.0
p-Monochlorobenzotrifluoride	DCB	Ave	5710 556597	28294	46967	124999	286103	1.00 100	5.00	10.0	25.0	50.0
2-Chlorobenzotrifluoride	DCB	Ave	5443 562845	28372	48879	128546	287695	1.00 100	5.00	10.0	25.0	50.0
Cyclohexanone	DCB	Ave	4147 473432	21733	43989	117640	243074	10.0 1000	50.0	100	250	500
3-Chlorotoluene	DCB	Ave	4831 508762	24812	43287	111904	256646	1.00 100	5.00	10.0	25.0	50.0
Pentachloroethane	DCB	Ave	928 125013	5945	10955	25505	56650	1.00 100	5.00	10.0	25.0	50.0
Dicyclopentadiene	DCB	Ave	22111 2249823	108951	188315	505907	1162733	1.00 100	5.00	10.0	25.0	50.0
1,2,3-Trimethylbenzene	DCB	Ave	17932 1915787	95456	170691	435893	996809	1.00 100	5.00	10.0	25.0	50.0
1,3,5-Trichlorobenzene	DCB	Ave	6527 641568	32255	59112	150831	350475	1.00 100	5.00	10.0	25.0	50.0

Curve Type Legend:

Ave = Average ISTD
Lin1F = Linear 1/conc ISTD forced zero
QuaF = Quadratic ISTD forced zero

TestAmerica Laboratories
Target Compound Quantitation Report

Data File:	\\Bufchrom\ChromData\HP5973G\20120315-10233.b\G9991.D		
Lims ID:	STD-7	Client ID:	
Inject. Date:	15-Mar-2012 17:01:30	Dil. Factor:	1.0000
Sample Type:	IC	Calib Level:	1
Sample ID:	STD-7		
Misc. Info.:	480-0010233-010 =480-0010233-010		
Operator:	DHC	Instrument ID:	HP5973G
Vol. Injected:	1.0000	ALS Bottle#:	10
Lims Batch ID:	55366	Lims Sample ID:	10
Sublist:	chrom-G-8260*sub9		
Detector:	MS SCAN		
Method:	\\Bufchrom\ChromData\HP5973G\20120315-10233.b\G-8260.m		
Last Update:	16-Mar-2012 10:21:11	Calib Date:	15-Mar-2012 18:51:30
Quant Method:	Internal Standard	Quant By:	Initial Calibration
Last ICal File:	\\Bufchrom\ChromData\HP5973G\20120315-10233.b\G9996.D		
Limit Group:	MV - 8260B ICAL		
Integrator:	RTE	ID Type:	Deconvolution ID
Process Host:	CORP-CTX-16		
First Level Reviewer: coderd		Date:	16-Mar-2012 10:21:11

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/L	Flags
* 1 1,4-Difluorobenzene	114	5.417	5.417	0.0	96	294511	25.0	
* 2 Chlorobenzene-d5	82	8.282	8.282	0.0	89	150040	25.0	
* 3 1,4-Dichlorobenzene-d4	152	10.684	10.684	0.0	98	128189	25.0	
11 Chlorodifluoromethane	51	1.296	1.296	0.0	43	4035	0.6043	
16 Dichlorofluoromethane	67	2.101	2.101	0.0	19	5802	0.7525	M
18 Ethyl ether	59	2.381	2.375	0.006	77	3817	0.8920	
68 Propene oxide	58	2.460	2.460	0.0	83	8227	5.59	
25 Isopropyl alcohol	45	2.912	2.912	0.0	95	19697	24.5	
26 3-Chloro-1-propene	41	2.942	2.936	0.006	46	4112	1.07	
30 2-Methyl-2-propanol	59	3.283	3.277	0.006	94	24427	18.4	
34 Hexane	57	3.497	3.497	0.0	82	7635	1.08	
37 Isopropyl ether	45	3.747	3.741	0.006	90	14251	0.8353	
39 2-Chloro-1,3-butadiene	53	3.771	3.771	0.0	49	5221	0.7208	
40 1,1-Dimethoxyethane	75	3.820	3.814	0.006	90	7054	5.17	
41 Tert-butyl ethyl ether	59	4.076	4.076	0.0	98	16483	1.07	
45 Ethyl acetate	43	4.356	4.344	0.012	87	7274	0.9022	
46 Propionitrile	54	4.430	4.417	0.013	96	12707	9.09	
47 Methacrylonitrile	41	4.527	4.521	0.006	80	4474	0.9441	
55 Isobutyl alcohol	43	5.082	5.076	0.006	91	26552	37.2	
58 Tert-amyl methyl ether	73	5.118	5.118	0.0	90	13454	1.02	
59 n-Heptane	43	5.210	5.210	0.0	87	9281	1.15	
60 n-Butanol	56	5.704	5.698	0.006	90	11519	31.4	
64 Methyl methacrylate	41	5.990	5.990	0.0	79	5785	0.8928	
66 1,4-Dioxane	88	6.051	6.039	0.012	81	3263	35.3	
69 2-Nitropropane	43	6.429	6.429	0.0	64	3209	4.10	
71 Epichlorohydrin	57	6.551	6.545	0.006	97	20419	20.1	
75 2-Methylthiophene	97	7.002	7.002	0.0	86	14191	1.03	
77 3-Methylthiophene	97	7.167	7.167	0.0	85	14352	1.00	
85 3-Chlorobenzotrifluoride	180	8.289	8.282	0.007	38	5983	1.10	
87 4-Chlorobenzotrifluoride	180	8.350	8.350	0.0	71	5710	1.09	

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/L	Flags
94 2-Chlorobenzotrifluoride	180	9.264	9.264	0.0	64	5443	1.03	
96 Cyclohexanone	55	9.526	9.520	0.006	82	4147	9.42	
103 3-Chlorotoluene	126	9.941	9.941	0.0	90	4831	1.04	
108 Pentachloroethane	167	10.331	10.331	0.0	27	928	0.8830	
112 Dicyclopentadiene	66	10.684	10.684	0.0	44	22111	1.06	
114 1,2,3-Trimethylbenzene	105	10.739	10.739	0.0	74	17932	1.00	
118 1,3,5-Trichlorobenzene	180	11.928	11.928	0.0	83	6527	1.05	

QC Flag Legend

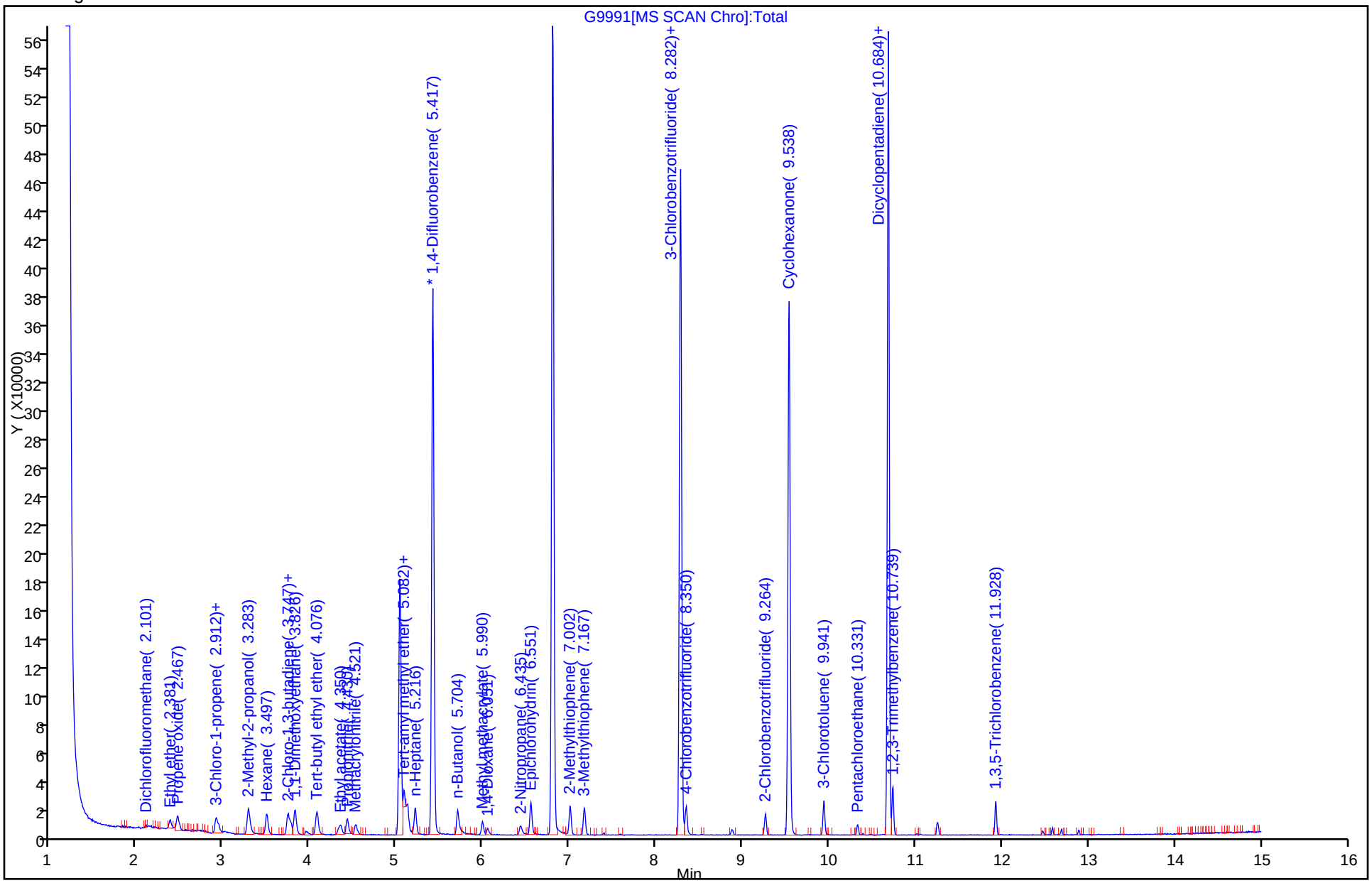
Review Flags
M - Manually Integrated

Report Date: 16-Mar-2012 10:21:11 Chrom Revision: 2.0 20-Feb-2012 13:27:02

Data File: \\Bufchrom\ChromData\HP5973G\20120315-10233.b\G9991.D

Injection Date:	15-Mar-2012 17:01:30	Limit Group:	MV - 8260B ICAL
Client ID:		Instrument ID:	HP5973G
Lims Batch ID:	55366	Lims Sample ID:	10
Operator ID:	DHC		
Column Type:	ZB-624	Column Dia:	0.25 mm

Y Scaling:



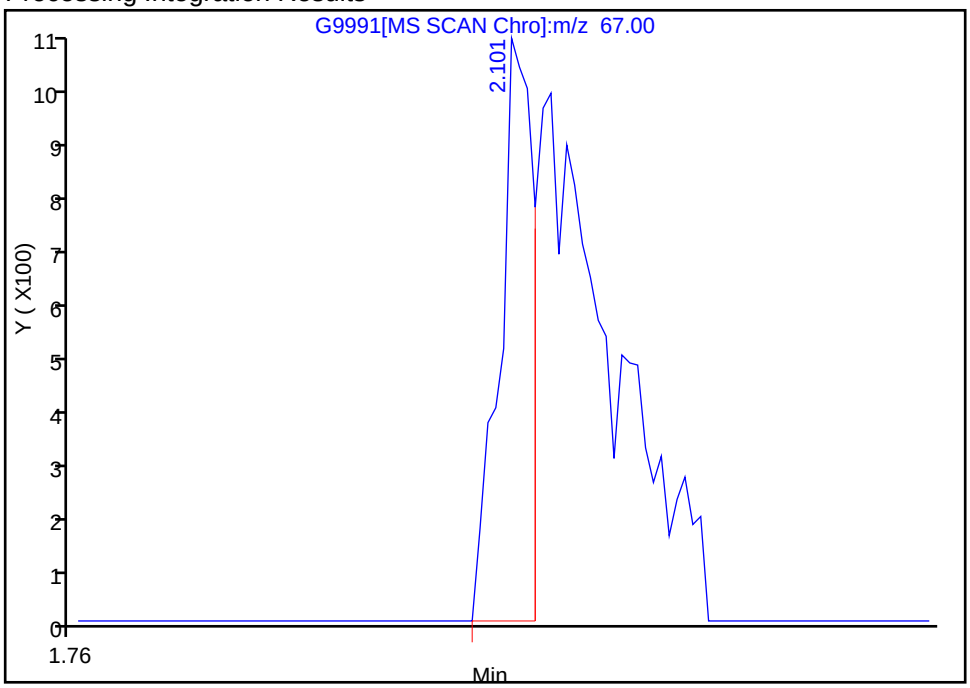
Manual Integration/User Assign Peak Report

Data File:	\\Bufchrom\ChromData\HP5973G\20120315-10233.b\G9991.D		
Injection Date:	15-Mar-2012 17:01:30	Limit Group:	MV - 8260B ICAL
Client ID:		Instrument ID:	HP5973G
Lims Batch ID:	55366	Lims Sample ID:	10
Operator ID:	DHC		
Column Type:	ZB-624	Column Dia:	0.25 mm

16 Dichlorofluoromethane, Signal: 1, m/z: 67.0 Type: quant, RT: 2.10

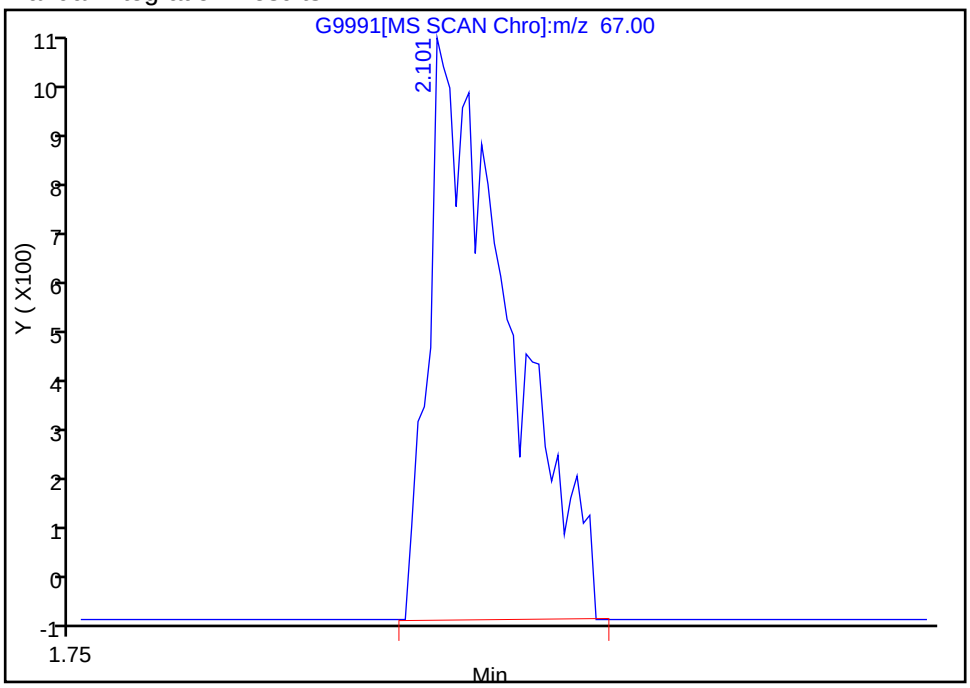
Processing Integration Results

RT: 2.10
Response: 1962
Amount: 0.250148



Manual Integration Results

RT: 2.10
Response: 5802
Amount: 0.752547



Reviewer: coderd, 16-Mar-2012 10:21:11
Audit Action: Manually Integrated
Audit Reason: Split Peak

TestAmerica Laboratories
Target Compound Quantitation Report

Data File:	\\Bufchrom\ChromData\HP5973G\20120315-10233.b\G9992.D		
Lims ID:	STD-8	Client ID:	
Inject. Date:	15-Mar-2012 17:23:30	Dil. Factor:	1.0000
Sample Type:	IC	Calib Level:	2
Sample ID:	STD-8		
Misc. Info.:	480-0010233-011 =480-0010233-011		
Operator:	DHC	Instrument ID:	HP5973G
Vol. Injected:	1.0000	ALS Bottle#:	11
Lims Batch ID:	55366	Lims Sample ID:	11
Sublist:	chrom-G-8260*sub9		
Detector:	MS SCAN		
Method:	\\Bufchrom\ChromData\HP5973G\20120315-10233.b\G-8260.m		
Last Update:	16-Mar-2012 10:21:42	Calib Date:	15-Mar-2012 18:51:30
Quant Method:	Internal Standard	Quant By:	Initial Calibration
Last ICal File:	\\Bufchrom\ChromData\HP5973G\20120315-10233.b\G9996.D		
Limit Group:	MV - 8260B ICAL		
Integrator:	RTE	ID Type:	Deconvolution ID
Process Host:	CORP-CTX-16		
First Level Reviewer: coderd		Date:	16-Mar-2012 10:21:42

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/L	Flags
* 1 1,4-Difluorobenzene	114	5.417	5.417	0.0	96	297255	25.0	
* 2 Chlorobenzene-d5	82	8.282	8.282	0.0	89	151390	25.0	
* 3 1,4-Dichlorobenzene-d4	152	10.684	10.684	0.0	97	130947	25.0	
11 Chlorodifluoromethane	51	1.302	1.296	0.006	90	31536	4.68	
16 Dichlorofluoromethane	67	2.113	2.101	0.012	89	39133	5.03	
18 Ethyl ether	59	2.375	2.375	0.0	95	22311	5.17	
68 Propene oxide	58	2.466	2.460	0.006	93	38098	25.6	
25 Isopropyl alcohol	45	2.911	2.912	-0.001	97	86390	106.6	
26 3-Chloro-1-propene	41	2.942	2.936	0.006	82	22106	5.69	
30 2-Methyl-2-propanol	59	3.277	3.277	0.0	98	130137	97.3	
34 Hexane	57	3.497	3.497	0.0	93	37599	5.29	
37 Isopropyl ether	45	3.740	3.741	-0.001	94	86472	5.02	
39 2-Chloro-1,3-butadiene	53	3.777	3.771	0.006	87	37167	5.08	
40 1,1-Dimethoxyethane	75	3.820	3.814	0.006	94	35036	25.5	
41 Tert-butyl ethyl ether	59	4.076	4.076	0.0	99	78843	5.05	
45 Ethyl acetate	43	4.350	4.344	0.006	98	40438	4.97	
46 Propionitrile	54	4.423	4.417	0.006	99	69347	49.2	
47 Methacrylonitrile	41	4.521	4.521	0.0	94	23314	4.87	
55 Isobutyl alcohol	43	5.082	5.076	0.006	91	140979	195.8	
58 Tert-amyl methyl ether	73	5.118	5.118	0.0	88	67628	5.06	
59 n-Heptane	43	5.216	5.210	0.006	94	42343	5.22	
60 n-Butanol	56	5.697	5.698	-0.001	91	64742	175.1	
64 Methyl methacrylate	41	5.990	5.990	0.0	92	30626	4.68	
66 1,4-Dioxane	88	6.045	6.039	0.006	94	18218	195.4	
69 2-Nitropropane	43	6.429	6.429	0.0	85	18246	22.4	
71 Epichlorohydrin	57	6.551	6.545	0.006	97	106845	104.3	
75 2-Methylthiophene	97	7.002	7.002	0.0	98	70755	5.03	
77 3-Methylthiophene	97	7.167	7.167	0.0	100	75888	5.19	
85 3-Chlorobenzotrifluoride	180	8.288	8.282	0.006	84	29510	5.32	
87 4-Chlorobenzotrifluoride	180	8.349	8.350	-0.001	92	28294	5.29	

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/L	Flags
94 2-Chlorobenzotrifluoride	180	9.264	9.264	0.0	90	28372	5.27	
96 Cyclohexanone	55	9.520	9.520	0.0	92	21733	48.3	
103 3-Chlorotoluene	126	9.940	9.941	-0.001	98	24812	5.21	
108 Pentachloroethane	167	10.331	10.331	0.0	1	5945	5.44	M
112 Dicyclopentadiene	66	10.684	10.684	0.0	67	108951	5.12	
114 1,2,3-Trimethylbenzene	105	10.739	10.739	0.0	98	95456	5.22	
118 1,3,5-Trichlorobenzene	180	11.928	11.928	0.0	94	32255	5.08	

QC Flag Legend

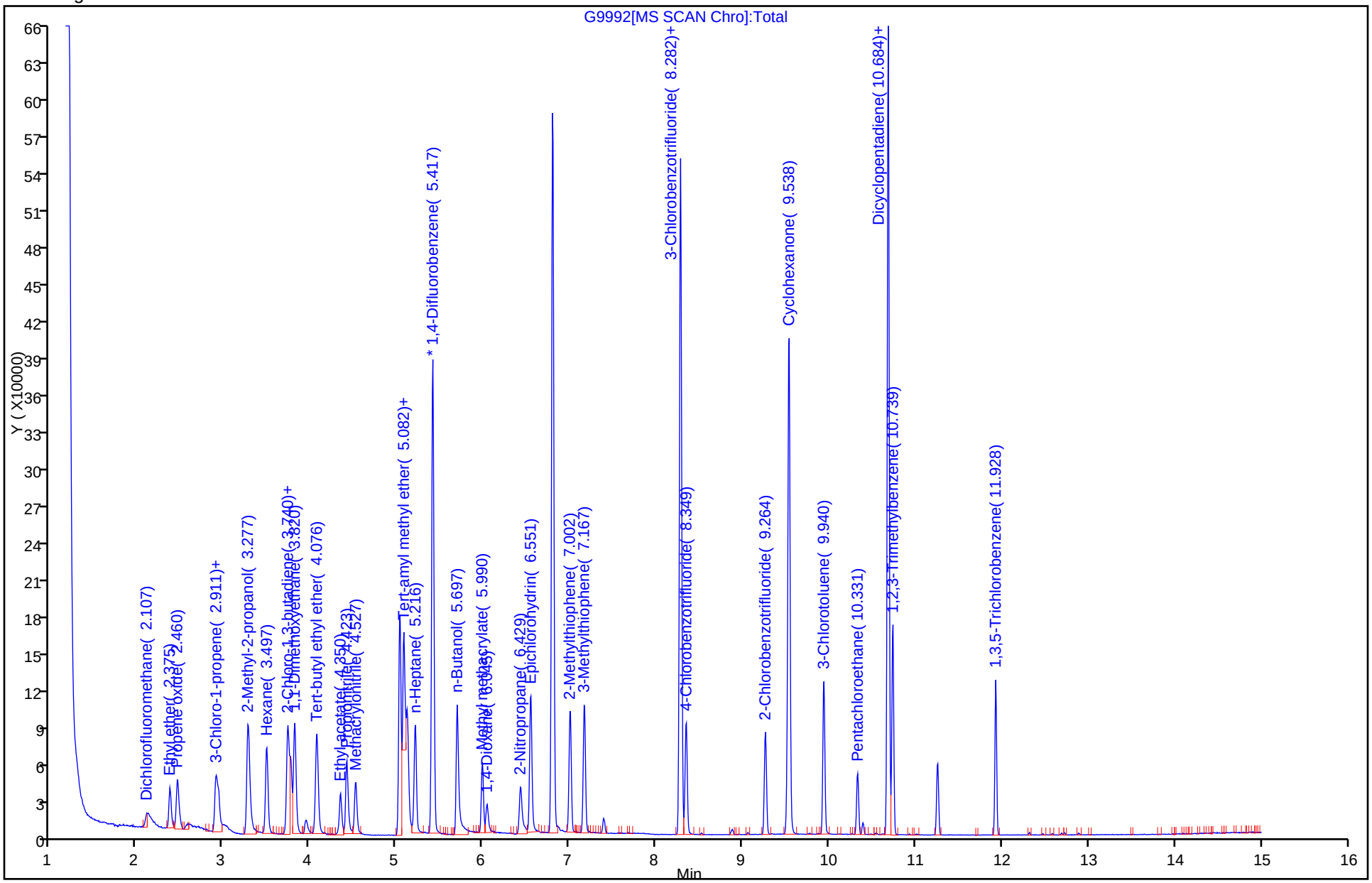
Review Flags
M - Manually Integrated

Report Date: 16-Mar-2012 10:21:42 Chrom Revision: 2.0 20-Feb-2012 13:27:02

Data File: \\Bufchrom\ChromData\HP5973G\20120315-10233.b\G9992.D

Injection Date:	15-Mar-2012 17:23:30	Limit Group:	MV - 8260B ICAL
Client ID:		Instrument ID:	HP5973G
Lims Batch ID:	55366	Lims Sample ID:	11
Operator ID:	DHC		
Column Type:	ZB-624	Column Dia:	0.25 mm

Y Scaling:



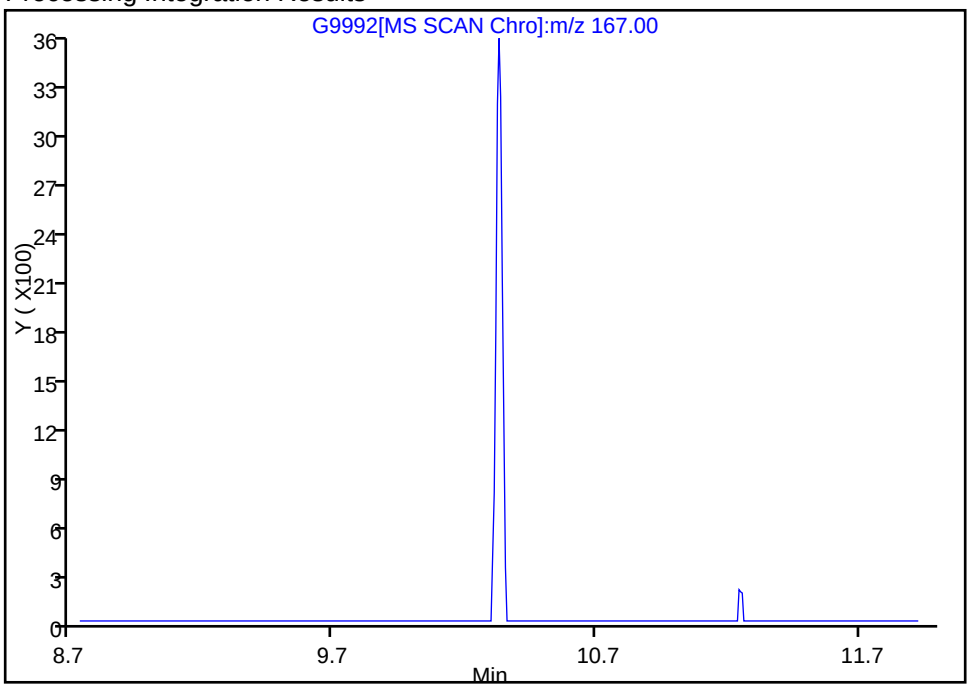
Manual Integration/User Assign Peak Report

Data File:	\\Bufchrom\ChromData\HP5973G\20120315-10233.b\G9992.D		
Injection Date:	15-Mar-2012 17:23:30	Limit Group:	MV - 8260B ICAL
Client ID:		Instrument ID:	HP5973G
Lims Batch ID:	55366	Lims Sample ID:	11
Operator ID:	DHC		
Column Type:	ZB-624	Column Dia:	0.25 mm

108 Pentachloroethane, Signal: 1, m/z: 167.0 Type: quant, RT: 10.33

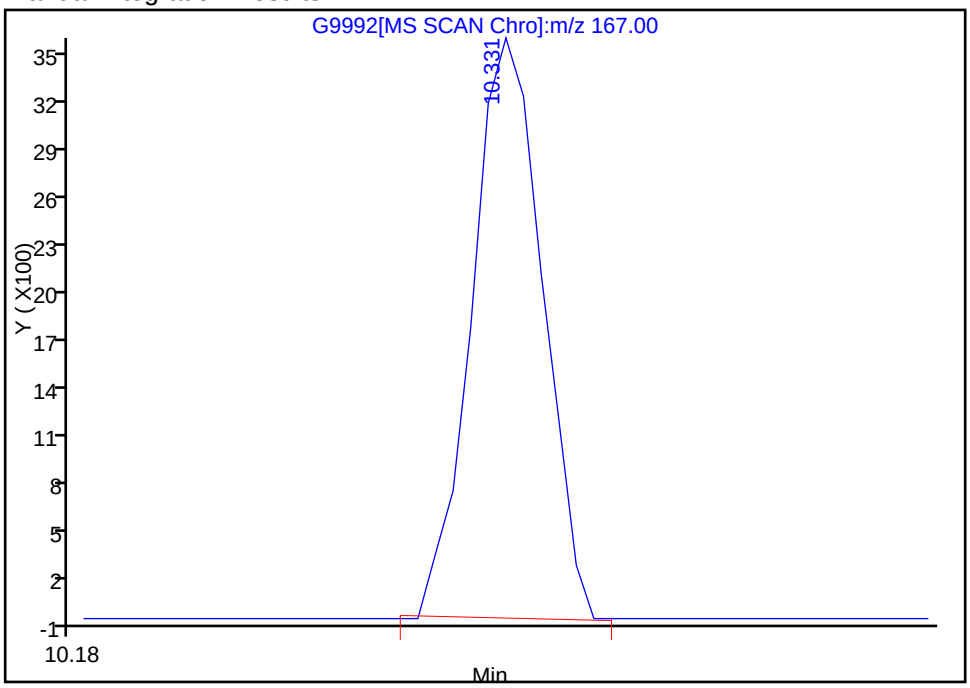
Processing Integration Results

Not Detected
Expected RT: 10.33



Manual Integration Results

RT: 10.33
Response: 5945
Amount: 5.440036



Reviewer: coderd, 16-Mar-2012 10:21:42
Audit Action: Manually Integrated
Audit Reason: Assign Peak

TestAmerica Laboratories
Target Compound Quantitation Report

Data File:	\\Bufchrom\ChromData\HP5973G\20120315-10233.b\G9993.D		
Lims ID:	STD-9	Client ID:	
Inject. Date:	15-Mar-2012 17:45:30	Dil. Factor:	1.0000
Sample Type:	IC	Calib Level:	3
Sample ID:	STD-9		
Misc. Info.:	480-0010233-012 =480-0010233-012		
Operator:	DHC	Instrument ID:	HP5973G
Vol. Injected:	1.0000	ALS Bottle#:	12
Lims Batch ID:	55366	Lims Sample ID:	12
Sublist:	chrom-G-8260*sub9		
Detector:	MS SCAN		
Method:	\\Bufchrom\ChromData\HP5973G\20120315-10233.b\G-8260.m		
Last Update:	16-Mar-2012 10:21:53	Calib Date:	15-Mar-2012 18:51:30
Quant Method:	Internal Standard	Quant By:	Initial Calibration
Last ICal File:	\\Bufchrom\ChromData\HP5973G\20120315-10233.b\G9996.D		
Limit Group:	MV - 8260B ICAL		
Integrator:	RTE	ID Type:	Deconvolution ID
Process Host:	CORP-CTX-16		

First Level Reviewer: coderd Date: 16-Mar-2012 10:21:53

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/L	Flags
* 1 1,4-Difluorobenzene	114	5.417	5.417	0.0	96	285712	25.0	
* 2 Chlorobenzene-d5	82	8.282	8.282	0.0	89	146698	25.0	
* 3 1,4-Dichlorobenzene-d4	152	10.684	10.684	0.0	98	130099	25.0	
11 Chlorodifluoromethane	51	1.296	1.296	0.0	77	57654	8.90	
16 Dichlorofluoromethane	67	2.113	2.101	0.012	93	77970	10.4	
18 Ethyl ether	59	2.375	2.375	0.0	93	43785	10.5	
68 Propene oxide	58	2.460	2.460	0.0	95	68340	47.8	
25 Isopropyl alcohol	45	2.905	2.912	-0.007	98	142732	183.3	
26 3-Chloro-1-propene	41	2.936	2.936	0.0	85	35231	9.43	
30 2-Methyl-2-propanol	59	3.277	3.277	0.0	98	261109	203.2	
34 Hexane	57	3.497	3.497	0.0	93	63263	9.26	
37 Isopropyl ether	45	3.735	3.741	-0.006	95	167367	10.1	
39 2-Chloro-1,3-butadiene	53	3.771	3.771	0.0	88	66917	9.52	
40 1,1-Dimethoxyethane	75	3.814	3.814	0.0	98	61259	46.3	
41 Tert-butyl ethyl ether	59	4.070	4.076	-0.006	99	140466	9.36	
45 Ethyl acetate	43	4.344	4.344	0.0	99	79964	10.2	
46 Propionitrile	54	4.417	4.417	0.0	99	137485	101.4	
47 Methacrylonitrile	41	4.521	4.521	0.0	95	46560	10.1	
55 Isobutyl alcohol	43	5.076	5.076	0.0	93	275911	398.7	
58 Tert-amyl methyl ether	73	5.118	5.118	0.0	88	120178	9.36	
59 n-Heptane	43	5.210	5.210	0.0	96	72388	9.28	
60 n-Butanol	56	5.698	5.698	0.0	90	148923	419.1	
64 Methyl methacrylate	41	5.990	5.990	0.0	92	61713	9.82	
66 1,4-Dioxane	88	6.039	6.039	0.0	91	36878	408.1	
69 2-Nitropropane	43	6.429	6.429	0.0	92	34642	41.9	
71 Epichlorohydrin	57	6.545	6.545	0.0	98	191182	194.2	
75 2-Methylthiophene	97	7.002	7.002	0.0	98	131957	9.43	
77 3-Methylthiophene	97	7.167	7.167	0.0	100	137235	9.45	
85 3-Chlorobenzotrifluoride	180	8.289	8.282	0.007	84	50149	9.09	
87 4-Chlorobenzotrifluoride	180	8.350	8.350	0.0	96	46967	8.83	

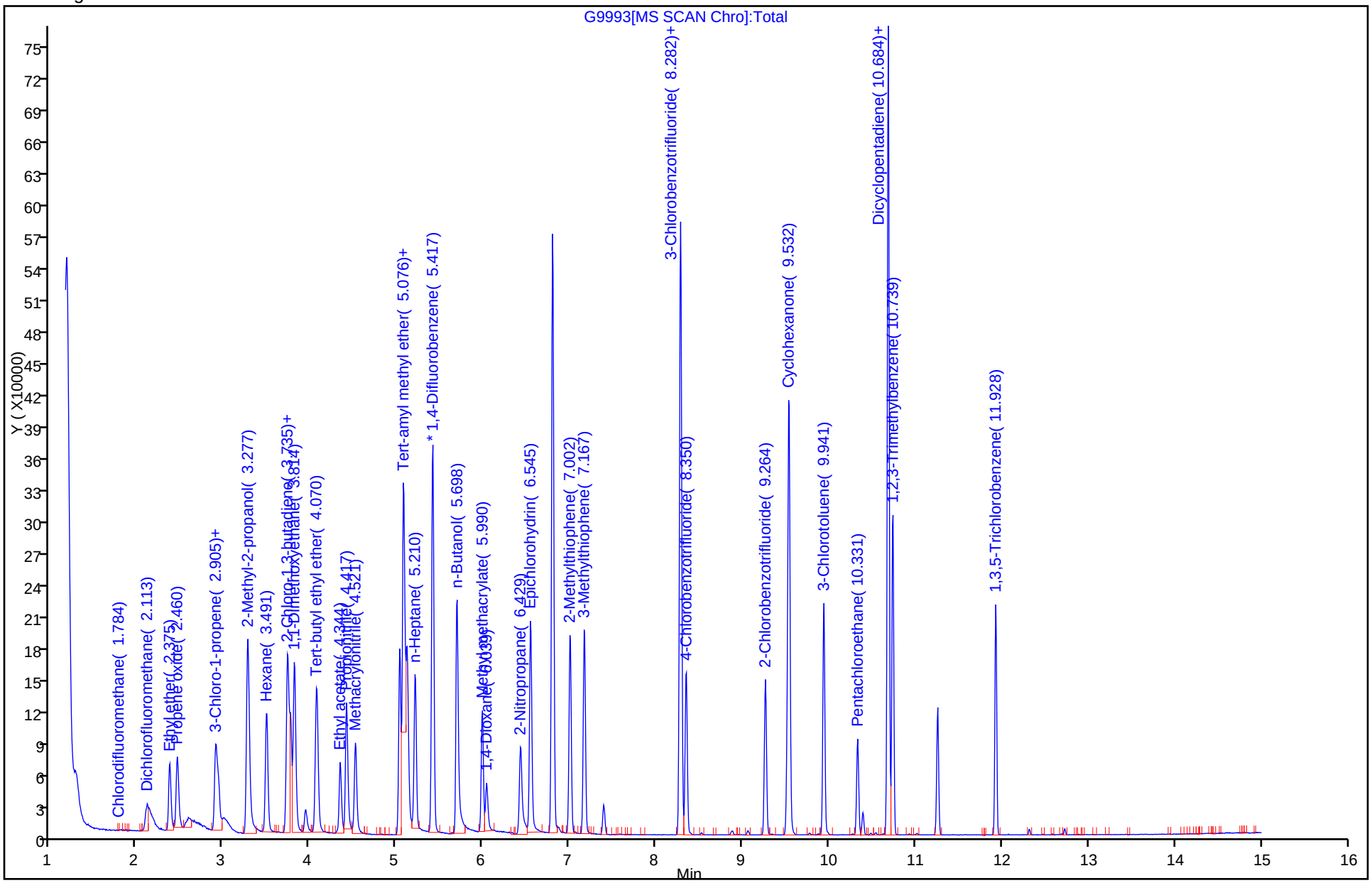
Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/L	Flags
94 2-Chlorobenzotrifluoride	180	9.264	9.264	0.0	92	48879	9.15	
96 Cyclohexanone	55	9.520	9.520	0.0	95	43989	98.5	
103 3-Chlorotoluene	126	9.941	9.941	0.0	98	43287	9.14	
108 Pentachloroethane	167	10.331	10.331	0.0	61	10955	10.1	
112 Dicyclopentadiene	66	10.684	10.684	0.0	84	188315	8.90	
114 1,2,3-Trimethylbenzene	105	10.739	10.739	0.0	98	170691	9.39	
118 1,3,5-Trichlorobenzene	180	11.928	11.928	0.0	95	59112	9.38	

Report Date: 16-Mar-2012 10:21:53 Chrom Revision: 2.0 20-Feb-2012 13:27:02

Data File: \\Bufchrom\ChromData\HP5973G\20120315-10233.b\G9993.D

Injection Date:	15-Mar-2012 17:45:30	Limit Group:	MV - 8260B ICAL
Client ID:		Instrument ID:	HP5973G
Lims Batch ID:	55366	Lims Sample ID:	12
Operator ID:	DHC		
Column Type:	ZB-624	Column Dia:	0.25 mm

Y Scaling:



TestAmerica Laboratories
Target Compound Quantitation Report

Data File: \\Bufchrom\ChromData\HP5973G\20120315-10233.b\G9994.D
Lims ID: STD-10 Client ID:
Inject. Date: 15-Mar-2012 18:07:30 Dil. Factor: 1.0000
Sample Type: IC Calib Level: 4
Sample ID: STD-10
Misc. Info.: 480-0010233-013 =480-0010233-013
Operator: DHC Instrument ID: HP5973G
Vol. Injected: 1.0000 ALS Bottle#: 13
Lims Batch ID: 55366 Lims Sample ID: 13
Sublist: chrom-G-8260*sub9
Detector: MS SCAN

Method: \\Bufchrom\ChromData\HP5973G\20120315-10233.b\G-8260.m
Last Update: 16-Mar-2012 10:21:56 Calib Date: 15-Mar-2012 18:51:30
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\Bufchrom\ChromData\HP5973G\20120315-10233.b\G9996.D
Limit Group: MV - 8260B ICAL
Integrator: RTE ID Type: Deconvolution ID
Process Host: CORP-CTX-16

First Level Reviewer: coderd Date: 16-Mar-2012 10:20:26

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/L	Flags
* 1 1,4-Difluorobenzene	114	5.417	5.417	0.0	96	292759	25.0	
* 2 Chlorobenzene-d5	82	8.282	8.282	0.0	87	151835	25.0	
* 3 1,4-Dichlorobenzene-d4	152	10.684	10.684	0.0	69	131230	25.0	
11 Chlorodifluoromethane	51	1.296	1.296	0.0	78	171791	25.9	
16 Dichlorofluoromethane	67	2.119	2.119	0.0	82	224642	29.3	
18 Ethyl ether	59	2.375	2.375	0.0	93	117229	27.6	
68 Propene oxide	58	2.460	2.460	0.0	96	170782	116.7	
25 Isopropyl alcohol	45	2.912	2.912	0.0	98	356201	446.3	
26 3-Chloro-1-propene	41	2.936	2.936	0.0	81	93157	24.3	
30 2-Methyl-2-propanol	59	3.277	3.277	0.0	98	709641	538.9	
34 Hexane	57	3.497	3.497	0.0	94	160674	23.0	
37 Isopropyl ether	45	3.741	3.741	0.0	95	466578	27.5	
39 2-Chloro-1,3-butadiene	53	3.771	3.771	0.0	90	208736	29.0	
40 1,1-Dimethoxyethane	75	3.814	3.814	0.0	95	160382	118.3	
41 Tert-butyl ethyl ether	59	4.076	4.076	0.0	99	357977	23.3	
45 Ethyl acetate	43	4.344	4.344	0.0	100	214468	26.8	
46 Propionitrile	54	4.417	4.417	0.0	99	374034	269.2	
47 Methacrylonitrile	41	4.521	4.521	0.0	95	124973	26.5	
55 Isobutyl alcohol	43	5.076	5.076	0.0	94	756221	1066.4	
58 Tert-amyl methyl ether	73	5.118	5.118	0.0	88	312162	23.7	
59 n-Heptane	43	5.210	5.210	0.0	95	183930	23.0	
60 n-Butanol	56	5.698	5.698	0.0	89	420388	1154.6	
64 Methyl methacrylate	41	5.990	5.990	0.0	94	177666	27.6	
66 1,4-Dioxane	88	6.039	6.039	0.0	91	92230	986.2	
69 2-Nitropropane	43	6.429	6.429	0.0	93	114467	126.0	
71 Epichlorohydrin	57	6.545	6.545	0.0	99	477754	473.7	
75 2-Methylthiophene	97	7.002	7.002	0.0	98	367310	26.0	
77 3-Methylthiophene	97	7.167	7.167	0.0	100	377175	25.7	
85 3-Chlorobenzotrifluoride	180	8.282	8.282	0.0	90	130976	23.5	
87 4-Chlorobenzotrifluoride	180	8.350	8.350	0.0	97	124999	23.3	

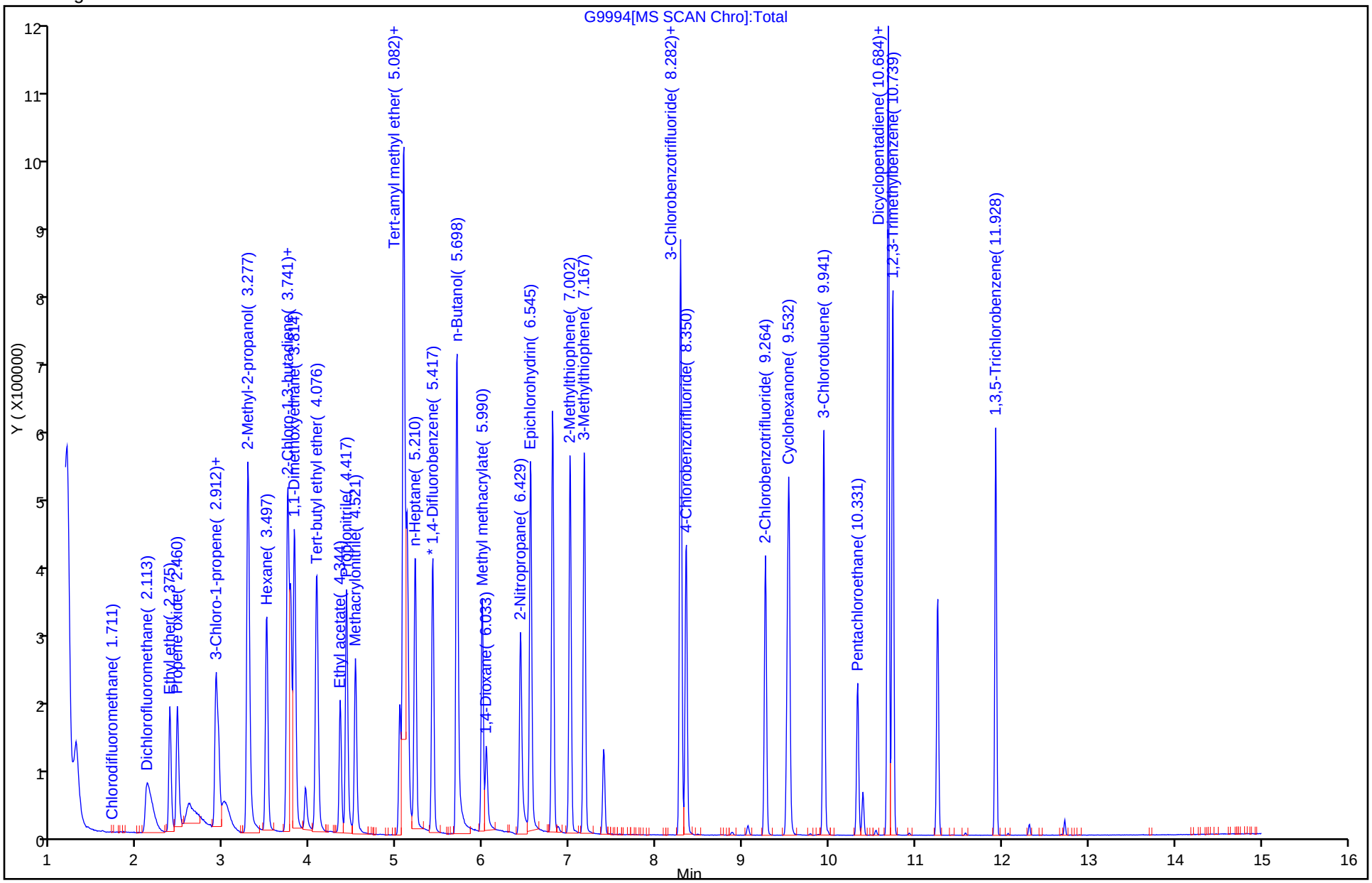
Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/L	Flags
94 2-Chlorobenzotrifluoride	180	9.264	9.264	0.0	92	128546	23.8	
96 Cyclohexanone	55	9.520	9.520	0.0	94	117640	261.1	
103 3-Chlorotoluene	126	9.941	9.941	0.0	98	111904	23.4	
108 Pentachloroethane	167	10.331	10.331	0.0	71	25505	23.3	
112 Dicyclopentadiene	66	10.684	10.684	0.0	95	505907	23.7	
114 1,2,3-Trimethylbenzene	105	10.739	10.739	0.0	98	435893	23.8	
118 1,3,5-Trichlorobenzene	180	11.928	11.928	0.0	95	150831	23.7	

Report Date: 16-Mar-2012 10:21:56 Chrom Revision: 2.0 20-Feb-2012 13:27:02

Data File: \\Bufchrom\ChromData\HP5973G\20120315-10233.b\G9994.D

Injection Date:	15-Mar-2012 18:07:30	Limit Group:	MV - 8260B ICAL
Client ID:		Instrument ID:	HP5973G
Lims Batch ID:	55366	Lims Sample ID:	13
Operator ID:	DHC		
Column Type:	ZB-624	Column Dia:	0.25 mm

Y Scaling:



TestAmerica Laboratories
Target Compound Quantitation Report

Data File:	\\Bufchrom\ChromData\HP5973G\20120315-10233.b\G9995.D		
Lims ID:	STD-11	Client ID:	
Inject. Date:	15-Mar-2012 18:29:30	Dil. Factor:	1.0000
Sample Type:	IC	Calib Level:	5
Sample ID:	STD-11		
Misc. Info.:	480-0010233-014 =480-0010233-014		
Operator:	DHC	Instrument ID:	HP5973G
Vol. Injected:	1.0000	ALS Bottle#:	14
Lims Batch ID:	55366	Lims Sample ID:	14
Sublist:	chrom-G-8260*sub9		
Detector:	MS SCAN		
Method:	\\Bufchrom\ChromData\HP5973G\20120315-10233.b\G-8260.m		
Last Update:	16-Mar-2012 10:21:59	Calib Date:	15-Mar-2012 18:51:30
Quant Method:	Internal Standard	Quant By:	Initial Calibration
Last ICal File:	\\Bufchrom\ChromData\HP5973G\20120315-10233.b\G9996.D		
Limit Group:	MV - 8260B ICAL		
Integrator:	RTE	ID Type:	Deconvolution ID
Process Host:	CORP-CTX-16		
First Level Reviewer: coderd		Date:	16-Mar-2012 10:21:59

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/L	Flags
* 1 1,4-Difluorobenzene	114	5.417	5.417	0.0	96	295105	25.0	
* 2 Chlorobenzene-d5	82	8.282	8.282	0.0	87	153352	25.0	
* 3 1,4-Dichlorobenzene-d4	152	10.684	10.684	0.0	54	133688	25.0	
11 Chlorodifluoromethane	51	1.290	1.296	-0.006	78	324270	48.5	
16 Dichlorofluoromethane	67	2.107	2.119	-0.012	83	412442	53.4	
18 Ethyl ether	59	2.369	2.375	-0.006	94	215031	50.1	
68 Propene oxide	58	2.460	2.460	0.0	96	390391	264.5	
25 Isopropyl alcohol	45	2.911	2.912	-0.001	97	821854	1021.6	
26 3-Chloro-1-propene	41	2.930	2.936	-0.006	85	203874	52.8	
30 2-Methyl-2-propanol	59	3.283	3.277	0.006	99	1383444	1042.3	
34 Hexane	57	3.491	3.497	-0.006	92	368048	52.2	
37 Isopropyl ether	45	3.734	3.741	-0.007	95	878393	51.4	
39 2-Chloro-1,3-butadiene	53	3.771	3.771	0.0	90	396491	54.6	
40 1,1-Dimethoxyethane	75	3.814	3.814	0.0	95	354715	259.6	
41 Tert-butyl ethyl ether	59	4.070	4.076	-0.006	99	810573	52.3	
45 Ethyl acetate	43	4.344	4.344	0.0	99	410801	50.9	
46 Propionitrile	54	4.417	4.417	0.0	99	712766	508.9	
47 Methacrylonitrile	41	4.521	4.521	0.0	95	239991	50.5	
55 Isobutyl alcohol	43	5.082	5.076	0.006	95	1505214	2105.7	
58 Tert-amyl methyl ether	73	5.118	5.118	0.0	90	702414	52.9	
59 n-Heptane	43	5.210	5.210	0.0	95	397407	49.3	
60 n-Butanol	56	5.697	5.698	-0.001	88	812035	2212.6	
64 Methyl methacrylate	41	5.984	5.990	-0.006	94	342496	52.8	
66 1,4-Dioxane	88	6.033	6.039	-0.006	90	197178	2087.5	
69 2-Nitropropane	43	6.429	6.429	0.0	98	261653	251.8	
71 Epichlorohydrin	57	6.545	6.545	0.0	98	1071727	1054.2	
75 2-Methylthiophene	97	7.002	7.002	0.0	98	726258	50.5	
77 3-Methylthiophene	97	7.167	7.167	0.0	100	755788	50.6	
85 3-Chlorobenzotrifluoride	180	8.282	8.282	0.0	91	288303	50.9	
87 4-Chlorobenzotrifluoride	180	8.349	8.350	-0.001	97	286103	52.4	

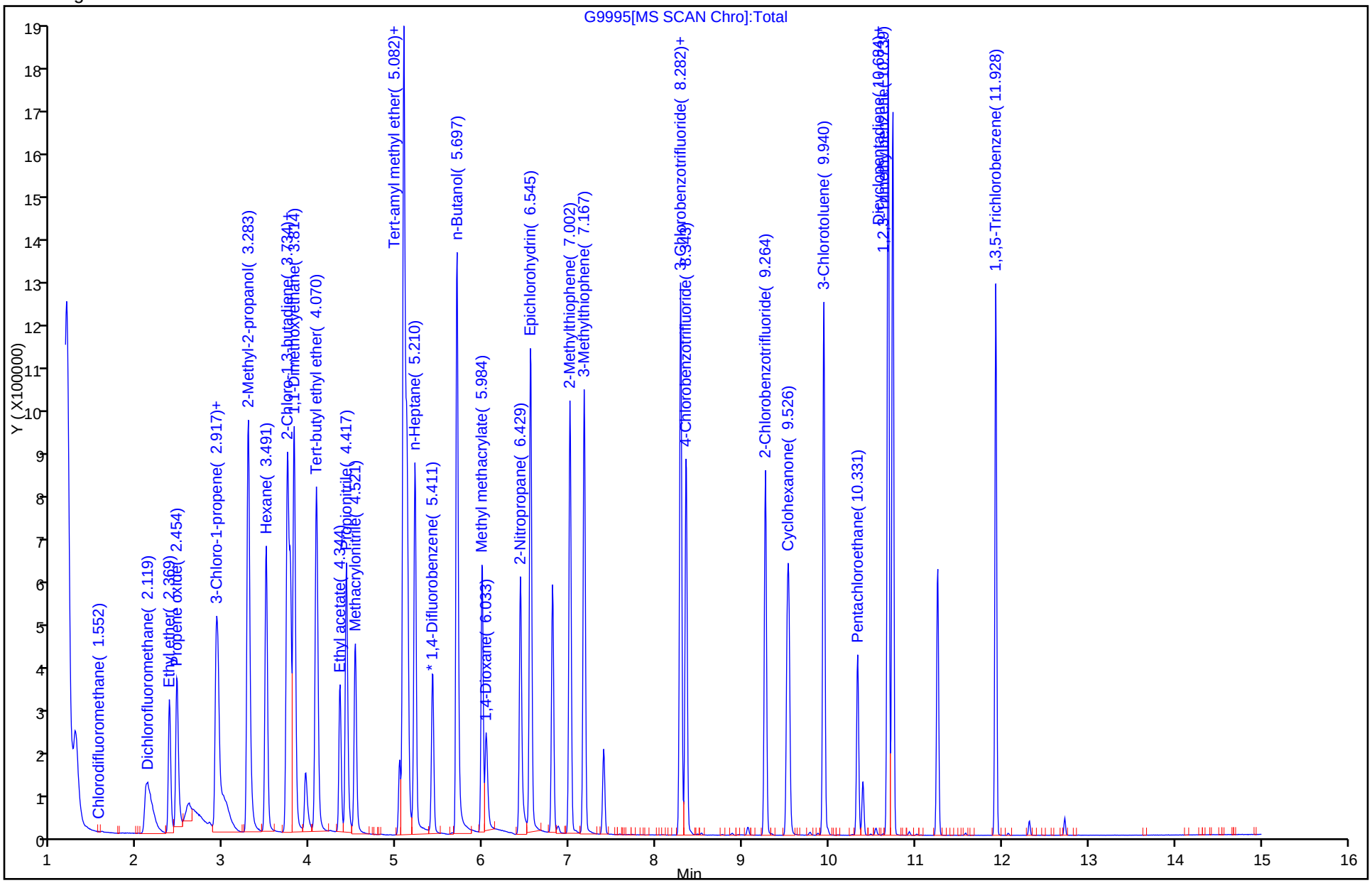
Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/L	Flags
94 2-Chlorobenzotrifluoride	180	9.264	9.264	0.0	93	287695	52.4	
96 Cyclohexanone	55	9.514	9.520	-0.006	95	243074	529.6	
103 3-Chlorotoluene	126	9.940	9.941	-0.001	98	256646	52.8	
108 Pentachloroethane	167	10.331	10.331	0.0	75	56650	50.8	
112 Dicyclopentadiene	66	10.684	10.684	0.0	96	1162733	53.5	
114 1,2,3-Trimethylbenzene	105	10.739	10.739	0.0	98	996809	53.4	
118 1,3,5-Trichlorobenzene	180	11.928	11.928	0.0	96	350475	54.1	

Report Date: 16-Mar-2012 10:21:59 Chrom Revision: 2.0 20-Feb-2012 13:27:02

Data File: \\Bufchrom\ChromData\HP5973G\20120315-10233.b\G9995.D

Injection Date:	15-Mar-2012 18:29:30	Limit Group:	MV - 8260B ICAL
Client ID:		Instrument ID:	HP5973G
Lims Batch ID:	55366	Lims Sample ID:	14
Operator ID:	DHC		
Column Type:	ZB-624	Column Dia:	0.25 mm

Y Scaling:



TestAmerica Laboratories
Target Compound Quantitation Report

Data File:	\\Bufchrom\ChromData\HP5973G\20120315-10233.b\G9996.D		
Lims ID:	STD-12	Client ID:	
Inject. Date:	15-Mar-2012 18:51:30	Dil. Factor:	1.0000
Sample Type:	IC	Calib Level:	6
Sample ID:	STD-12		
Misc. Info.:	480-0010233-015 =480-0010233-015		
Operator:	DHC	Instrument ID:	HP5973G
Vol. Injected:	1.0000	ALS Bottle#:	15
Lims Batch ID:	55366	Lims Sample ID:	15
Sublist:	chrom-G-8260*sub9		
Detector:	MS SCAN		
Method:	\\Bufchrom\ChromData\HP5973G\20120315-10233.b\G-8260.m		
Last Update:	16-Mar-2012 10:22:04	Calib Date:	15-Mar-2012 18:51:30
Quant Method:	Internal Standard	Quant By:	Initial Calibration
Last ICal File:	\\Bufchrom\ChromData\HP5973G\20120315-10233.b\G9996.D		
Limit Group:	MV - 8260B ICAL		
Integrator:	RTE	ID Type:	Deconvolution ID
Process Host:	CORP-CTX-16		

First Level Reviewer: coderd Date: 16-Mar-2012 10:22:04

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/L	Flags
* 1 1,4-Difluorobenzene	114	5.417	5.417	0.0	96	306933	25.0	
* 2 Chlorobenzene-d5	82	8.282	8.282	0.0	86	158488	25.0	
* 3 1,4-Dichlorobenzene-d4	152	10.684	10.684	0.0	49	137614	25.0	
11 Chlorodifluoromethane	51	1.296	1.296	0.0	79	713019	102.5	
16 Dichlorofluoromethane	67	2.107	2.119	-0.012	83	770561	95.9	
18 Ethyl ether	59	2.369	2.375	-0.006	93	408073	91.5	
68 Propene oxide	58	2.460	2.460	0.0	96	698147	454.8	
25 Isopropyl alcohol	45	2.924	2.912	0.012	99	1467231	1753.5	
26 3-Chloro-1-propene	41	2.930	2.936	-0.006	88	330129	82.2	
30 2-Methyl-2-propanol	59	3.289	3.277	0.012	99	2673555	1936.7	
34 Hexane	57	3.491	3.497	-0.006	92	710191	96.8	
37 Isopropyl ether	45	3.741	3.741	0.0	95	1815723	102.1	
39 2-Chloro-1,3-butadiene	53	3.771	3.771	0.0	91	798371	105.8	
40 1,1-Dimethoxyethane	75	3.814	3.814	0.0	95	736672	518.3	
41 Tert-butyl ethyl ether	59	4.070	4.076	-0.006	99	1635316	101.4	
45 Ethyl acetate	43	4.344	4.344	0.0	99	835185	99.4	
46 Propionitrile	54	4.417	4.417	0.0	99	1456303	999.6	
47 Methacrylonitrile	41	4.521	4.521	0.0	94	491931	99.6	
55 Isobutyl alcohol	43	5.088	5.076	0.012	95	2898542	3898.6	
58 Tert-amyl methyl ether	73	5.118	5.118	0.0	89	1418746	102.8	
59 n-Heptane	43	5.210	5.210	0.0	94	809736	96.6	
60 n-Butanol	56	5.704	5.698	0.006	87	1571860	4117.8	
64 Methyl methacrylate	41	5.990	5.990	0.0	95	695705	103.0	
66 1,4-Dioxane	88	6.033	6.039	-0.006	95	425730	4361.0	
69 2-Nitropropane	43	6.429	6.429	0.0	98	649018	499.7	
71 Epichlorohydrin	57	6.551	6.545	0.006	99	2066967	1954.9	
75 2-Methylthiophene	97	7.002	7.002	0.0	98	1434987	97.0	
77 3-Methylthiophene	97	7.167	7.167	0.0	99	1493580	97.2	
85 3-Chlorobenzotrifluoride	180	8.289	8.282	0.006	92	564113	96.7	
87 4-Chlorobenzotrifluoride	180	8.349	8.350	-0.001	97	556597	99.0	

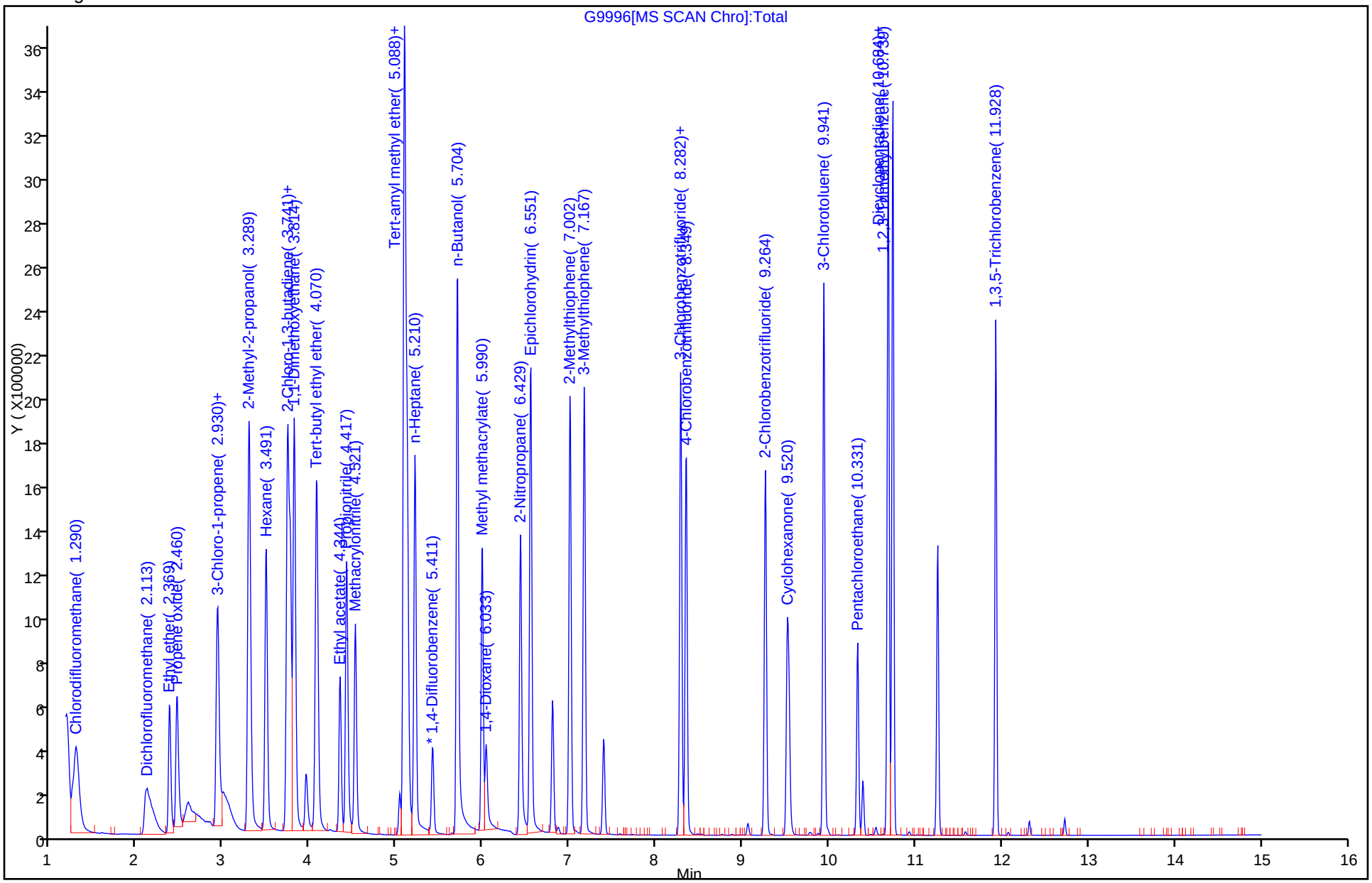
Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/L	Flags
94 2-Chlorobenzotrifluoride	180	9.264	9.264	0.0	93	562845	99.6	
96 Cyclohexanone	55	9.514	9.520	-0.006	95	473432	1002.1	
103 3-Chlorotoluene	126	9.941	9.941	0.0	98	508762	101.6	
108 Pentachloroethane	167	10.331	10.331	0.0	79	125013	108.9	
112 Dicyclopentadiene	66	10.684	10.684	0.0	97	2249823	100.6	
114 1,2,3-Trimethylbenzene	105	10.739	10.739	0.0	98	1915787	99.7	
118 1,3,5-Trichlorobenzene	180	11.928	11.928	0.0	96	641568	96.2	

Report Date: 16-Mar-2012 10:22:04 Chrom Revision: 2.0 20-Feb-2012 13:27:02

Data File: \\Bufchrom\ChromData\HP5973G\20120315-10233.b\G9996.D

Injection Date:	15-Mar-2012 18:51:30	Limit Group:	MV - 8260B ICAL
Client ID:		Instrument ID:	HP5973G
Lims Batch ID:	55366	Lims Sample ID:	15
Operator ID:	DHC		
Column Type:	ZB-624	Column Dia:	0.25 mm

Y Scaling:



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

Lab Name: TestAmerica Buffalo Job No.: 480-18068-1 Analy Batch No.: 56586

SDG No.:

Instrument ID: HP5973G GC Column: ZB-624 (60) ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 03/24/2012 01:37 Calibration End Date: 03/24/2012 03:26 Calibration ID: 7148

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	STD 480-56586/3	G10250.D
Level 2	STD 480-56586/4	G10251.D
Level 3	STD 480-56586/5	G10252.D
Level 4	STD 480-56586/6	G10253.D
Level 5	STD 480-56586/7	G10254.D
Level 6	STD 480-56586/8	G10255.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	0.3596 0.3573	0.3481	0.3640	0.3290	0.3402	Ave		0.3497				3.8		15.0			
Chloromethane	0.6320 0.7016	0.5456	0.5532	0.5399	0.6713	Ave		0.6073			0.1000	12.0		15.0			
Vinyl chloride	0.5364 0.5422	0.5069	0.5139	0.4883	0.5074	Ave		0.5159				3.9		30.0			
Bromomethane	0.1599 0.0830	0.1037	0.1123	0.0888	0.0853	LinF		0.0840							0.9970		0.9900
Chloroethane	0.2890 0.2998	0.2592	0.2391	0.2637	0.2558	Ave		0.2678				8.4		15.0			
Trichlorofluoromethane	0.3255 0.4511	0.3968	0.4210	0.4081	0.4141	Ave		0.4028				10.0		15.0			
Acrolein	0.0437 0.0617	0.0537	0.0535	0.0564	0.0574	Ave		0.0544				11.0		15.0			
1,1,2-Trichloro-1,2,2-trifluoroethane	0.0950 0.2961	0.2783	0.2571	0.2567	0.2559	Lin1F		0.2768							0.9920		0.9900
1,1-Dichloroethene	0.3493 0.4003	0.3865	0.3805	0.3572	0.3813	Ave		0.3758				5.1		30.0			
Acetone	0.1682 0.1843	0.1664	0.1651	0.1666	0.1779	Ave		0.1714				4.6		15.0			
Iodomethane	0.2466 0.3740	0.2851	0.2988	0.2890	0.3271	Ave		0.3034				14.0		15.0			
Carbon disulfide	0.7258 1.1149	0.7803	0.8258	0.7914	0.9865	LinF		1.0725							0.9900		0.9900
Methyl acetate	0.6076 0.6801	0.6480	0.5908	0.6301	0.6501	Ave		0.6345				5.1		15.0			
Acetonitrile	0.0300 0.0470	0.0370	0.0384	0.0428	0.0475	Lin1F		0.0458							0.9950		0.9900
Methylene Chloride	0.5361 0.5025	0.4618	0.4920	0.4659	0.4655	Ave		0.4873				6.0		15.0			

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

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

Lab Name: TestAmerica Buffalo Job No.: 480-18068-1 Analy Batch No.: 56586

SDG No.:

Instrument ID: HP5973G GC Column: ZB-624 (60) ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 03/24/2012 01:37 Calibration End Date: 03/24/2012 03:26 Calibration ID: 7148

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								
Methyl tert-butyl ether	1.1006 1.3684	1.1969	1.1998	1.1888	1.2776	Ave		1.2220				7.5		15.0			
trans-1,2-Dichloroethene	0.3444 0.4697	0.4254	0.4254	0.4152	0.4371	Ave		0.4195				9.9		15.0			
Acrylonitrile	0.2033 0.2772	0.2467	0.2341	0.2374	0.2680	Ave		0.2445				11.0		15.0			
1,1-Dichloroethane	0.5069 0.6512	0.5357	0.6369	0.5940	0.6370	Ave		0.5936			0.1000	10.0		15.0			
Vinyl acetate	0.8282 0.9972	0.9865	1.0031	1.0347	1.0825	Ave		0.9887				8.7		15.0			
2,2-Dichloropropane	0.2352 0.2562	0.2253	0.2420	0.2367	0.2379	Ave		0.2389				4.2		15.0			
cis-1,2-Dichloroethene	0.3266 0.3886	0.3094	0.3492	0.3598	0.3645	Ave		0.3497				8.1		15.0			
2-Butanone (MEK)	0.3211 0.3955	0.3562	0.3545	0.3606	0.3908	Ave		0.3631				7.5		15.0			
Bromochloromethane	0.1474 0.1704	0.1520	0.1696	0.1582	0.1614	Ave		0.1598				5.8		15.0			
Tetrahydrofuran	0.2055 0.2626	0.2381	0.2319	0.2416	0.2584	Ave		0.2397				8.6		15.0			
Chloroform	0.3757 0.3869	0.3484	0.3688	0.3688	0.3721	Ave		0.3701				3.4		30.0			
1,1,1-Trichloroethane	0.3318 0.4467	0.3148	0.3514	0.3411	0.3879	Ave		0.3623				13.0		15.0			
Cyclohexane	0.5295 0.6199	0.5484	0.5724	0.5249	0.5762	Ave		0.5619				6.3		15.0			
Carbon tetrachloride	0.2473 0.4425	0.2737	0.2966	0.3018	0.3254	QuaF		0.2307	0.0021						0.9990		0.9900
1,1-Dichloropropene	0.5334 0.5640	0.5022	0.5230	0.5228	0.5370	Ave		0.5304				3.9		15.0			
Benzene	1.6857 1.6614	1.5381	1.6179	1.5783	1.6103	Ave		1.6153				3.3		15.0			
1,2-Dichloroethane	0.5716 0.5857	0.5528	0.5701	0.5673	0.5622	Ave		0.5683				1.9		15.0			
Trichloroethene	0.3868 0.4050	0.3627	0.3763	0.3730	0.3842	Ave		0.3813				3.8		15.0			
Methylcyclohexane	0.4315 0.5784	0.5062	0.4987	0.4633	0.5591	Ave		0.5062				11.0		15.0			
1,2-Dichloropropane	0.4170 0.4690	0.3966	0.4388	0.4306	0.4473	Ave		0.4332				5.8		30.0			

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

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

Lab Name: TestAmerica Buffalo Job No.: 480-18068-1 Analy Batch No.: 56586

SDG No.:

Instrument ID: HP5973G GC Column: ZB-624 (60) ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 03/24/2012 01:37 Calibration End Date: 03/24/2012 03:26 Calibration ID: 7148

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								
Dibromomethane	0.2135 0.2403	0.2062	0.2234	0.2162	0.2275	Ave		0.2212				5.4		15.0			
Bromodichloromethane	0.3269 0.4739	0.3383	0.3721	0.3874	0.4264	Ave		0.3875				14.0		15.0			
2-Chloroethyl vinyl ether	0.2622 0.3812	0.3290	0.3348	0.3476	0.3765	Ave		0.3385				13.0		15.0			
cis-1,3-Dichloropropene	0.5205 0.6640	0.4985	0.5470	0.5749	0.6166	Ave		0.5702				11.0		15.0			
4-Methyl-2-pentanone (MIBK)	1.1038 1.3192	1.2987	1.2916	1.3084	1.3942	Ave		1.2860				7.5		15.0			
Toluene	2.0084 2.0734	1.8451	1.9609	1.9157	2.0073	Ave		1.9685				4.1		30.0			
trans-1,3-Dichloropropene	0.8434 1.1787	0.8506	0.9416	0.9846	1.0862	Ave		0.9808				13.0		15.0			
Ethyl methacrylate	0.8300 1.3744	1.0137	1.0715	1.1252	1.2977	Lin1F		1.2936							0.9910		0.9900
1,1,2-Trichloroethane	0.5345 0.6067	0.5112	0.5758	0.5450	0.5712	Ave		0.5574				6.1		15.0			
Tetrachloroethene	0.6847 0.7272	0.6473	0.6972	0.6693	0.7061	Ave		0.6886				4.1		15.0			
1,3-Dichloropropane	1.2405 1.3657	1.1888	1.2706	1.2474	1.3062	Ave		1.2699				4.8		15.0			
2-Hexanone	0.8034 1.0632	0.9683	0.9714	0.9955	1.0830	Ave		0.9808				10.0		15.0			
Dibromochloromethane	0.3666 0.6403	0.3830	0.4358	0.4627	0.5522	QuaF		0.4377	0.0020						1.0000		0.9900
1,2-Dibromoethane	0.6239 0.7492	0.6118	0.6620	0.6556	0.7143	Ave		0.6695				7.9		15.0			
Chlorobenzene	2.1452 2.1802	1.9661	2.0841	2.0185	2.0952	Ave		2.0816			0.3000	3.8		15.0			
Ethylbenzene	3.6774 3.8137	3.4201	3.6899	3.5775	3.7054	Ave		3.6474				3.7		30.0			
1,1,1,2-Tetrachloroethane	0.5065 0.6564	0.4758	0.5216	0.5344	0.5943	Ave		0.5482				12.0		15.0			
m,p-Xylene	1.3909 1.4882	1.3355	1.4331	1.4021	1.4644	Ave		1.4191				3.9		15.0			
o-Xylene	1.2428 1.4860	1.2498	1.3497	1.3418	1.4008	Ave		1.3452				6.9		15.0			
Styrene	1.8899 2.4819	1.9858	2.1907	2.2189	2.3365	Ave		2.1839				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 EVALUATION

Lab Name: TestAmerica Buffalo Job No.: 480-18068-1 Analy Batch No.: 56586

SDG No.:

Instrument ID: HP5973G GC Column: ZB-624 (60) ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 03/24/2012 01:37 Calibration End Date: 03/24/2012 03:26 Calibration ID: 7148

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								
Bromoform	0.1749 0.3909	0.1905	0.2131	0.2354	0.3055	QuaF		0.2049	0.0019		0.1000				1.0000		0.9900
Isopropylbenzene	4.0203 3.9810	3.8125	4.1019	4.0719	4.1804	Ave		4.0280				3.1		15.0			
Bromobenzene	0.8691 0.9061	0.8353	0.8778	0.8870	0.9229	Ave		0.8830				3.4		15.0			
1,1,2,2-Tetrachloroethane	1.1399 1.2141	1.0823	1.1688	1.1411	1.2053	Ave		1.1586			0.3000	4.2		15.0			
N-Propylbenzene	4.5698 4.9633	4.6736	5.0189	5.0257	5.2308	Ave		4.9137				5.0		15.0			
1,2,3-Trichloropropane	0.4140 0.3873	0.3670	0.4100	0.3852	0.3939	Ave		0.3929				4.4		15.0			
trans-1,4-Dichloro-2-butene	0.1989 0.4163	0.2773	0.2966	0.3385	0.4062	LinF		0.4095							0.9960		0.9900
2-Chlorotoluene	0.8800 0.9262	0.8718	0.9168	0.9134	0.9388	Ave		0.9078				2.9		15.0			
1,3,5-Trimethylbenzene	3.1242 3.4986	3.2425	3.4884	3.4407	3.5382	Ave		3.3888				4.9		15.0			
4-Chlorotoluene	0.9277 0.9888	0.9324	0.9750	0.9644	1.0059	Ave		0.9657				3.2		15.0			
tert-Butylbenzene	0.6652 0.7469	0.6772	0.7353	0.7244	0.7282	Ave		0.7129				4.7		15.0			
1,2,4-Trimethylbenzene	3.2597 3.5632	3.2509	3.5169	3.4971	3.5496	Ave		3.4395				4.2		15.0			
sec-Butylbenzene	4.1424 4.3611	4.0790	4.4194	4.3010	4.4054	Ave		4.2847				3.3		15.0			
1,3-Dichlorobenzene	1.8214 1.8393	1.7189	1.8212	1.7820	1.8390	Ave		1.8036				2.6		15.0			
4-Isopropyltoluene	3.3116 3.6014	3.3572	3.6147	3.5927	3.6278	Ave		3.5176				4.1		15.0			
1,4-Dichlorobenzene	1.9054 1.9765	1.7697	1.9108	1.8866	1.9276	Ave		1.8961				3.6		15.0			
n-Butylbenzene	2.9813 3.4877	3.0419	3.3545	3.3446	3.4222	Ave		3.2720				6.4		15.0			
1,2-Dichlorobenzene	1.8110 1.8258	1.6846	1.7898	1.7499	1.7588	Ave		1.7700				2.9		15.0			
1,2-Dibromo-3-Chloropropane	0.1882 0.2434	0.1820	0.2066	0.2095	0.2100	Ave		0.2066				10.0		15.0			
1,2,4-Trichlorobenzene	1.2035 0.9959	1.1407	1.2268	1.0872	0.9763	Ave		1.1051				9.5		15.0			

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

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

Lab Name: TestAmerica Buffalo Job No.: 480-18068-1 Analy Batch No.: 56586

SDG No.:

Instrument ID: HP5973G GC Column: ZB-624 (60) ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 03/24/2012 01:37 Calibration End Date: 03/24/2012 03:26 Calibration ID: 7148

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								
Hexachlorobutadiene	0.5073 0.3873	0.4879	0.5004	0.4277	0.4024	Ave		0.4522				12.0		15.0			
Naphthalene	3.7535 3.2201	3.7802	4.2548	3.6923	3.3081	Ave		3.6682				10.0		15.0			
1,2,3-Trichlorobenzene	1.2087 0.8000	1.0775	1.1611	0.9578	0.8534	LinF		0.8208							0.9930		0.9900
1,2-Dichloroethane-d4 (Surr)	0.1692 0.2286	0.2046	0.1878	0.2081	0.2129	Ave		0.2019				10.0		15.0			
Toluene-d8 (Surr)	2.0762 2.7147	2.3192	2.1829	2.6339	2.6051	Ave		2.4220				11.0		15.0			
4-Bromofluorobenzene (Surr)	0.5474 0.7635	0.5964	0.5668	0.6705	0.6862	Ave		0.6385				13.0		15.0			

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

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

Lab Name: TestAmerica Buffalo Job No.: 480-18068-1 Analy Batch No.: 56586

SDG No.:

Instrument ID: HP5973G GC Column: ZB-624 (60) ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 03/24/2012 01:37 Calibration End Date: 03/24/2012 03:26 Calibration ID: 7148

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	STD 480-56586/3	G10250.D
Level 2	STD 480-56586/4	G10251.D
Level 3	STD 480-56586/5	G10252.D
Level 4	STD 480-56586/6	G10253.D
Level 5	STD 480-56586/7	G10254.D
Level 6	STD 480-56586/8	G10255.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	DFB	Ave	4173 413526	19906	41034	95373	201616	1.00 100	5.00	10.0	25.0	50.0
Chloromethane	DFB	Ave	7334 812031	31199	62357	156493	397795	1.00 100	5.00	10.0	25.0	50.0
Vinyl chloride	DFB	Ave	6224 627587	28987	57922	141532	300708	1.00 100	5.00	10.0	25.0	50.0
Bromomethane	DFB	LinF	1856 96072	5930	12662	25737	50522	1.00 100	5.00	10.0	25.0	50.0
Chloroethane	DFB	Ave	3354 346948	14823	26955	76435	151610	1.00 100	5.00	10.0	25.0	50.0
Trichlorofluoromethane	DFB	Ave	3777 522088	22687	47460	118299	245384	1.00 100	5.00	10.0	25.0	50.0
Acrolein	DFB	Ave	10146 1428020	61363	120526	327036	680727	20.0 2000	100	200	500	1000
1,1,2-Trichloro-1,2,2-trifluoroetha ne	DFB	Lin1F	1102 342682	15912	28984	74409	151627	1.00 100	5.00	10.0	25.0	50.0
1,1-Dichloroethene	DFB	Ave	4053 463271	22103	42888	103536	225933	1.00 100	5.00	10.0	25.0	50.0
Acetone	DFB	Ave	9756 1066587	47584	93071	241411	527053	5.00 500	25.0	50.0	125	250
Iodomethane	DFB	Ave	2861 432902	16304	33675	83784	193859	1.00 100	5.00	10.0	25.0	50.0
Carbon disulfide	DFB	LinF	8422 1290323	44616	93079	229399	584582	1.00 100	5.00	10.0	25.0	50.0
Methyl acetate	DFB	Ave	7051 787162	37052	66596	182634	385259	1.00 100	5.00	10.0	25.0	50.0
Acetonitrile	DFB	Lin1F	13930 2177404	84697	173094	496555	1124892	40.0 4000	200	400	1000	2000
Methylene Chloride	DFB	Ave	6221 581542	26404	55457	135034	275845	1.00 100	5.00	10.0	25.0	50.0
Methyl tert-butyl ether	DFB	Ave	12771 1583836	68437	135240	344597	757102	1.00 100	5.00	10.0	25.0	50.0

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

Lab Name: TestAmerica Buffalo Job No.: 480-18068-1 Analy Batch No.: 56586

SDG No.:

Instrument ID: HP5973G GC Column: ZB-624 (60) ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 03/24/2012 01:37 Calibration End Date: 03/24/2012 03:26 Calibration ID: 7148

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-1,2-Dichloroethene	DFB	Ave	3996 543648	24324	47955	120351	259048	1.00 100	5.00	10.0	25.0	50.0
Acrylonitrile	DFB	Ave	11797 1603885	70544	131919	344045	794154	5.00 500	25.0	50.0	125	250
1,1-Dichloroethane	DFB	Ave	5882 753694	30634	71788	172171	377491	1.00 100	5.00	10.0	25.0	50.0
Vinyl acetate	DFB	Ave	48052 5770692	282034	565356	1499588	3207345	5.00 500	25.0	50.0	125	250
2,2-Dichloropropane	DFB	Ave	2729 296565	12883	27273	68623	140989	1.00 100	5.00	10.0	25.0	50.0
cis-1,2-Dichloroethene	DFB	Ave	3790 449796	17691	39356	104288	216032	1.00 100	5.00	10.0	25.0	50.0
2-Butanone (MEK)	DFB	Ave	18628 2288912	101850	199785	522645	1158029	5.00 500	25.0	50.0	125	250
Bromochloromethane	DFB	Ave	1710 197204	8694	19115	45847	95622	1.00 100	5.00	10.0	25.0	50.0
Tetrahydrofuran	DFB	Ave	11925 1519518	68070	130701	350141	765759	5.00 500	25.0	50.0	125	250
Chloroform	DFB	Ave	4359 447847	19921	41569	106910	220509	1.00 100	5.00	10.0	25.0	50.0
1,1,1-Trichloroethane	DFB	Ave	3850 517035	18003	39612	98879	229863	1.00 100	5.00	10.0	25.0	50.0
Cyclohexane	DFB	Ave	6144 717421	31356	64522	152157	341441	1.00 100	5.00	10.0	25.0	50.0
Carbon tetrachloride	DFB	QuaF	2870 512134	15649	33428	87494	192807	1.00 100	5.00	10.0	25.0	50.0
1,1-Dichloropropene	DFB	Ave	6190 652766	28714	58952	151546	318247	1.00 100	5.00	10.0	25.0	50.0
Benzene	DFB	Ave	19561 1922857	87948	182371	457476	954274	1.00 100	5.00	10.0	25.0	50.0
1,2-Dichloroethane	DFB	Ave	6633 677919	31609	64266	164430	333185	1.00 100	5.00	10.0	25.0	50.0
Trichloroethene	DFB	Ave	4488 468731	20740	42419	108132	227655	1.00 100	5.00	10.0	25.0	50.0
Methylcyclohexane	DFB	Ave	5007 669438	28947	56216	134280	331316	1.00 100	5.00	10.0	25.0	50.0
1,2-Dichloropropane	DFB	Ave	4839 542825	22680	49458	124813	265096	1.00 100	5.00	10.0	25.0	50.0
Dibromomethane	DFB	Ave	2477 278082	11788	25184	62670	134798	1.00 100	5.00	10.0	25.0	50.0
Bromodichloromethane	DFB	Ave	3793 548494	19345	41945	112305	252665	1.00 100	5.00	10.0	25.0	50.0

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

Lab Name: TestAmerica Buffalo Job No.: 480-18068-1 Analy Batch No.: 56586

SDG No.:

Instrument ID: HP5973G GC Column: ZB-624 (60) ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 03/24/2012 01:37 Calibration End Date: 03/24/2012 03:26 Calibration ID: 7148

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
2-Chloroethyl vinyl ether	DFB	Ave	15214 2206044	94051	188703	503797	1115470	5.00 500	25.0	50.0	125	250
cis-1,3-Dichloropropene	DFB	Ave	6040 768462	28503	61660	166641	365368	1.00 100	5.00	10.0	25.0	50.0
4-Methyl-2-pentanone (MIBK)	CBZ	Ave	33289 4073816	196566	385102	1012500	2178358	5.00 500	25.0	50.0	125	250
Toluene	CBZ	Ave	12114 1280585	55855	116927	296484	627260	1.00 100	5.00	10.0	25.0	50.0
trans-1,3-Dichloropropene	CBZ	Ave	5087 727974	25748	56150	152383	339407	1.00 100	5.00	10.0	25.0	50.0
Ethyl methacrylate	CBZ	Lin1F	5006 848899	30687	63891	174148	405514	1.00 100	5.00	10.0	25.0	50.0
1,1,2-Trichloroethane	CBZ	Ave	3224 374687	15474	34336	84353	178502	1.00 100	5.00	10.0	25.0	50.0
Tetrachloroethene	CBZ	Ave	4130 449165	19596	41572	103591	220642	1.00 100	5.00	10.0	25.0	50.0
1,3-Dichloropropane	CBZ	Ave	7482 843493	35986	75764	193063	408176	1.00 100	5.00	10.0	25.0	50.0
2-Hexanone	CBZ	Ave	24230 3283384	146555	289612	770348	1692055	5.00 500	25.0	50.0	125	250
Dibromochloromethane	CBZ	QuaF	2211 395444	11594	25988	71608	172549	1.00 100	5.00	10.0	25.0	50.0
1,2-Dibromoethane	CBZ	Ave	3763 462710	18520	39478	101465	223205	1.00 100	5.00	10.0	25.0	50.0
Chlorobenzene	CBZ	Ave	12939 1346556	59516	124277	312402	654735	1.00 100	5.00	10.0	25.0	50.0
Ethylbenzene	CBZ	Ave	22181 2355476	103533	220032	553675	1157898	1.00 100	5.00	10.0	25.0	50.0
1,1,1,2-Tetrachloroethane	CBZ	Ave	3055 405407	14404	31106	82701	185699	1.00 100	5.00	10.0	25.0	50.0
m,p-Xylene	CBZ	Ave	16779 1838330	80859	170912	434006	915228	2.00 200	10.0	20.0	50.0	100
o-Xylene	CBZ	Ave	7496 917797	37835	80486	207668	437715	1.00 100	5.00	10.0	25.0	50.0
Styrene	CBZ	Ave	11399 1532897	60113	130633	343413	730111	1.00 100	5.00	10.0	25.0	50.0
Bromoform	CBZ	QuaF	1055 241431	5766	12705	36438	95472	1.00 100	5.00	10.0	25.0	50.0
Isopropylbenzene	DCB	Ave	20741 2369518	100198	214297	544059	1133029	1.00 100	5.00	10.0	25.0	50.0
Bromobenzene	DCB	Ave	4484 539326	21952	45862	118519	250131	1.00 100	5.00	10.0	25.0	50.0

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

Lab Name: TestAmerica Buffalo Job No.: 480-18068-1 Analy Batch No.: 56586

SDG No.:

Instrument ID: HP5973G GC Column: ZB-624 (60) ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 03/24/2012 01:37 Calibration End Date: 03/24/2012 03:26 Calibration ID: 7148

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
1,1,2,2-Tetrachloroethane	DCB	Ave	5881 722660	28444	61064	152463	326679	1.00 100	5.00	10.0	25.0	50.0
N-Propylbenzene	DCB	Ave	23576 2954170	122829	262207	671505	1417716	1.00 100	5.00	10.0	25.0	50.0
1,2,3-Trichloropropane	DCB	Ave	2136 230550	9644	21418	51465	106756	1.00 100	5.00	10.0	25.0	50.0
trans-1,4-Dichloro-2-butene	DCB	LinF	5131 1238843	36440	77482	226149	550410	5.00 500	25.0	50.0	125	250
2-Chlorotoluene	DCB	Ave	4540 551272	22913	47899	122044	254441	1.00 100	5.00	10.0	25.0	50.0
1,3,5-Trimethylbenzene	DCB	Ave	16118 2082424	85217	182248	459730	958969	1.00 100	5.00	10.0	25.0	50.0
4-Chlorotoluene	DCB	Ave	4786 588528	24505	50937	128864	272623	1.00 100	5.00	10.0	25.0	50.0
tert-Butylbenzene	DCB	Ave	3432 444539	17797	38414	96787	197377	1.00 100	5.00	10.0	25.0	50.0
1,2,4-Trimethylbenzene	DCB	Ave	16817 2120858	85438	183733	467257	962054	1.00 100	5.00	10.0	25.0	50.0
sec-Butylbenzene	DCB	Ave	21371 2595751	107202	230886	574669	1194022	1.00 100	5.00	10.0	25.0	50.0
1,3-Dichlorobenzene	DCB	Ave	9397 1094760	45176	95148	238097	498433	1.00 100	5.00	10.0	25.0	50.0
4-Isopropyltoluene	DCB	Ave	17085 2143584	88232	188843	480037	983270	1.00 100	5.00	10.0	25.0	50.0
1,4-Dichlorobenzene	DCB	Ave	9830 1176455	46510	99829	252070	522433	1.00 100	5.00	10.0	25.0	50.0
n-Butylbenzene	DCB	Ave	15381 2075909	79946	175253	446889	927521	1.00 100	5.00	10.0	25.0	50.0
1,2-Dichlorobenzene	DCB	Ave	9343 1086759	44274	93504	233811	476685	1.00 100	5.00	10.0	25.0	50.0
1,2-Dibromo-3-Chloropropane	DCB	Ave	971 144863	4782	10791	27986	56921	1.00 100	5.00	10.0	25.0	50.0
1,2,4-Trichlorobenzene	DCB	Ave	6209 592767	29978	64091	145261	264617	1.00 100	5.00	10.0	25.0	50.0
Hexachlorobutadiene	DCB	Ave	2617 230542	12822	26142	57151	109059	1.00 100	5.00	10.0	25.0	50.0
Naphthalene	DCB	Ave	19365 1916623	99348	222285	493345	896618	1.00 100	5.00	10.0	25.0	50.0
1,2,3-Trichlorobenzene	DCB	LinF	6236 476160	28317	60661	127977	231312	1.00 100	5.00	10.0	25.0	50.0
1,2-Dichloroethane-d4 (Surr)	DFB	Ave	1963 264591	11697	21167	60333	126186	1.00 100	5.00	10.0	25.0	50.0

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

Lab Name: TestAmerica Buffalo Job No.: 480-18068-1 Analy Batch No.: 56586

SDG No.:

Instrument ID: HP5973G GC Column: ZB-624 (60) ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 03/24/2012 01:37 Calibration End Date: 03/24/2012 03:26 Calibration ID: 7148

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
Toluene-d8 (Surr)	CBZ	Ave	12523 1676705	70206	130166	407638	814055	1.00 100	5.00	10.0	25.0	50.0
4-Bromofluorobenzene (Surr)	CBZ	Ave	3302 471585	18055	33796	103767	214436	1.00 100	5.00	10.0	25.0	50.0

Curve Type Legend:

Ave = Average ISTD
Lin1F = Linear 1/conc ISTD forced zero
LinF = Linear ISTD forced zero
QuaF = Quadratic ISTD forced zero

TestAmerica Laboratories
Target Compound Quantitation Report

Data File: \\Bufchrom\ChromData\HP5973G\20120323-10429.b\G10250.D
Lims ID: STD Client ID:
Inject. Date: 24-Mar-2012 01:37:30 Dil. Factor: 1.0000
Sample Type: IC Calib Level: 1
Sample ID: STD
Misc. Info.: 480-0010429-003 =480-0010429-003
Operator: RAL Instrument ID: HP5973G
Vol. Injected: 1.0000 ALS Bottle#: 4
Lims Batch ID: 56586 Lims Sample ID: 3
Sublist: chrom-G-8260*sub1
Detector: MS SCAN

Method: \\Bufchrom\ChromData\HP5973G\20120323-10429.b\G-8260.m
Last Update: 24-Mar-2012 09:59:55 Calib Date: 24-Mar-2012 03:26:30
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\Bufchrom\ChromData\HP5973G\20120323-10429.b\G10255.D
Limit Group: MV - 8260B ICAL
Integrator: RTE ID Type: Deconvolution ID
Process Host: CORP-CTX-19

First Level Reviewer: coderd Date: 24-Mar-2012 09:56:39

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/L	Flags
* 1 1,4-Difluorobenzene	114	5.362	5.362	0.0	96	290095	25.0	
* 2 Chlorobenzene-d5	82	8.221	8.221	0.0	88	150791	25.0	
* 3 1,4-Dichlorobenzene-d4	152	10.629	10.629	0.0	97	128978	25.0	
$ 4 1,2-Dichloroethane-d4 (Surr)	67	4.978	4.984	-0.006	0	1963	0.8380	
$ 5 Toluene-d8 (Surr)	98	6.746	6.746	0.0	65	12523	0.8572	
$ 6 4-Bromofluorobenzene (Surr)	174	9.483	9.477	0.006	62	3302	0.8574	
10 Dichlorodifluoromethane	85	1.235	1.235	0.0	28	4173	1.03	
12 Chloromethane	50	1.406	1.412	-0.006	78	7334	1.04	
13 Vinyl chloride	62	1.485	1.491	-0.006	31	6224	1.04	M
14 Bromomethane	94	1.753	1.753	0.0	0	1856	1.90	M
15 Chloroethane	64	1.838	1.906	-0.068	0	3354	1.08	M
17 Trichlorofluoromethane	101	2.052	2.052	0.0	48	3777	0.8082	M
19 Acrolein	56	2.509	2.515	-0.006	89	10146	16.1	
21 1,1,2-Trichloro-1,2,2-trifluoroe	101	2.546	2.527	0.019	0	1102	0.2943	M
20 1,1-Dichloroethene	96	2.558	2.552	0.006	64	4053	0.9293	M
22 Acetone	43	2.674	2.674	0.0	97	9756	4.90	
23 Iodomethane	142	2.722	2.716	0.006	25	2861	0.9695	M
24 Carbon disulfide	76	2.747	2.741	0.006	82	8422	0.6767	M
28 Methyl acetate	43	2.954	2.954	0.0	93	7051	0.9577	
27 Acetonitrile	40	2.972	2.972	0.0	98	13930	26.2	
29 Methylene Chloride	84	3.070	3.070	0.0	61	6221	1.10	M
31 Methyl tert-butyl ether	73	3.259	3.253	0.006	84	12771	0.9006	
32 trans-1,2-Dichloroethene	96	3.259	3.259	0.0	13	3996	0.8208	
33 Acrylonitrile	53	3.332	3.332	0.0	98	11797	4.16	
36 1,1-Dichloroethane	63	3.667	3.667	0.0	42	5882	0.8539	
38 Vinyl acetate	43	3.728	3.728	0.0	96	48052	4.19	
42 2,2-Dichloropropane	77	4.173	4.180	-0.007	37	2729	0.9845	
43 cis-1,2-Dichloroethene	96	4.216	4.216	0.0	49	3790	0.9340	
44 2-Butanone (MEK)	43	4.271	4.265	0.006	96	18628	4.42	
48 Chlorobromomethane	128	4.454	4.448	0.006	68	1710	0.9221	

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/L	Flags
49 Tetrahydrofuran	42	4.490	4.472	0.018	90	11925	4.29	
50 Chloroform	85	4.527	4.527	0.0	81	4359	1.01	
51 1,1,1-Trichloroethane	97	4.624	4.631	-0.007	44	3850	0.9158	
52 Cyclohexane	56	4.631	4.631	0.0	71	6144	0.9424	
53 Carbon tetrachloride	117	4.765	4.759	0.006	37	2870	1.06	
54 1,1-Dichloropropene	75	4.771	4.777	-0.006	78	6190	1.01	
56 Benzene	78	4.978	4.978	0.0	93	19561	1.04	
57 1,2-Dichloroethane	62	5.051	5.051	0.0	76	6633	1.01	
61 Trichloroethene	95	5.582	5.588	-0.006	74	4488	1.01	
62 Methylcyclohexane	83	5.697	5.698	-0.001	78	5007	0.8524	
63 1,2-Dichloropropane	63	5.825	5.826	-0.001	71	4839	0.9626	
65 Dibromomethane	93	5.960	5.960	0.0	75	2477	0.9652	
67 Dichlorobromomethane	83	6.118	6.118	0.0	74	3793	0.8435	
70 2-Chloroethyl vinyl ether	63	6.398	6.399	-0.001	88	15214	3.87	
72 cis-1,3-Dichloropropene	75	6.533	6.533	0.0	58	6040	0.9128	
73 4-Methyl-2-pentanone (MIBK)	43	6.685	6.685	0.0	96	33289	4.29	
74 Toluene	92	6.813	6.813	0.0	95	12114	1.02	
76 trans-1,3-Dichloropropene	75	7.100	7.100	0.0	74	5087	0.8599	
78 Ethyl methacrylate	69	7.148	7.148	0.0	74	5006	0.6416	
79 1,1,2-Trichloroethane	83	7.289	7.283	0.006	62	3224	0.9589	
80 Tetrachloroethene	166	7.331	7.337	-0.006	84	4130	0.99	
81 1,3-Dichloropropane	76	7.447	7.441	0.006	80	7482	0.9768	
82 2-Hexanone	43	7.520	7.520	0.0	96	24230	4.10	
83 Chlorodibromomethane	129	7.679	7.679	0.0	24	2211	0.8342	
84 Ethylene Dibromide	107	7.776	7.776	0.0	60	3763	0.9319	
86 Chlorobenzene	112	8.252	8.252	0.0	80	12939	1.03	
89 Ethylbenzene	91	8.343	8.343	0.0	92	22181	1.01	
88 1,1,1,2-Tetrachloroethane	131	8.349	8.349	0.0	56	3055	0.9240	
90 m-Xylene & p-Xylene	106	8.465	8.465	0.0	98	16779	1.96	
91 o-Xylene	106	8.892	8.892	0.0	90	7496	0.9239	
92 Styrene	104	8.922	8.923	0.0	79	11399	0.8653	
93 Bromoform	173	9.172	9.172	0.0	24	1055	0.8470	
95 Isopropylbenzene	105	9.276	9.276	0.0	86	20741	1.00	
97 Bromobenzene	156	9.630	9.630	0.0	88	4484	0.9843	
98 1,1,2,2-Tetrachloroethane	83	9.697	9.697	0.0	61	5881	0.9839	
101 N-Propylbenzene	91	9.715	9.715	0.0	94	23576	0.9300	
99 1,2,3-Trichloropropane	110	9.727	9.727	0.0	59	2136	1.05	
100 trans-1,4-Dichloro-2-butene	53	9.745	9.746	-0.001	49	5131	2.43	
102 2-Chlorotoluene	126	9.819	9.819	0.0	85	4540	0.9693	
104 1,3,5-Trimethylbenzene	105	9.898	9.898	0.0	86	16118	0.9219	
105 4-Chlorotoluene	126	9.928	9.935	-0.006	89	4786	0.9606	
106 tert-Butylbenzene	134	10.215	10.215	0.0	81	3432	0.9332	
107 1,2,4-Trimethylbenzene	105	10.270	10.270	0.0	86	16817	0.9477	
109 sec-Butylbenzene	105	10.428	10.428	0.0	85	21371	0.9668	
110 1,3-Dichlorobenzene	146	10.568	10.562	0.006	89	9397	1.01	
111 4-Isopropyltoluene	119	10.574	10.575	-0.001	91	17085	0.9414	
113 1,4-Dichlorobenzene	146	10.654	10.654	0.0	74	9830	1.00	
115 n-Butylbenzene	91	10.965	10.965	0.0	90	15381	0.9111	
116 1,2-Dichlorobenzene	146	11.007	11.007	0.0	84	9343	1.02	
117 1,2-Dibromo-3-Chloropropane	75	11.745	11.751	-0.006	8	971	0.9110	
119 1,2,4-Trichlorobenzene	180	12.422	12.422	0.0	78	6209	1.09	
120 Hexachlorobutadiene	225	12.531	12.532	-0.001	68	2617	1.12	

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/L	Flags
121 Naphthalene	128	12.635	12.635	0.0	93	19365	1.02	
122 1,2,3-Trichlorobenzene	180	12.842	12.842	0.0	84	6236	1.47	
S 123 Total BTEX	1				0		5.96	
S 124 Xylenes, Total	1				0		2.88	
S 125 1,2-Dichloroethene, Total	1				0		1.75	
S 126 1,3-Dichloropropene, Total	1				0		1.77	

QC Flag Legend

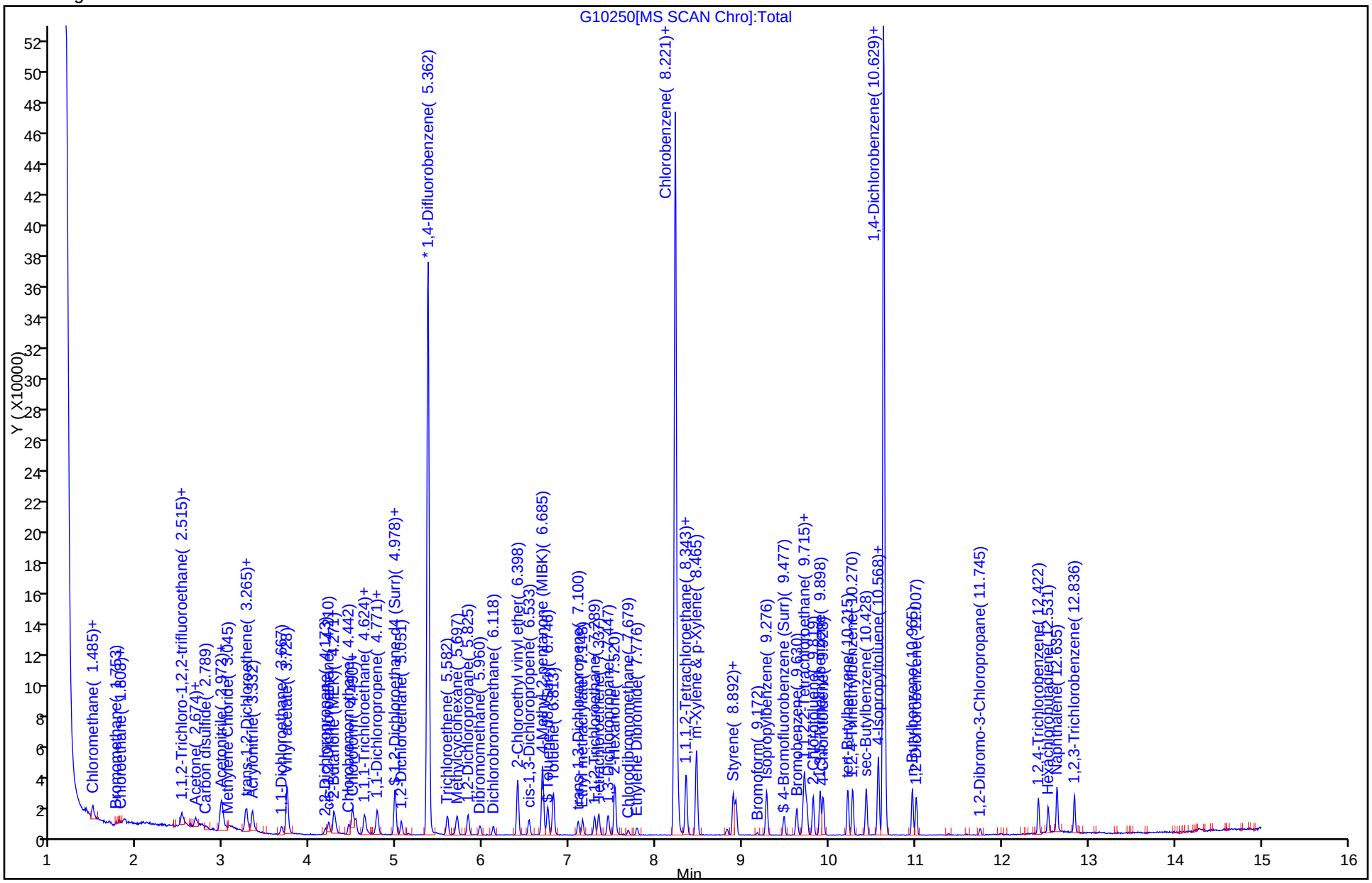
Review Flags
M - Manually Integrated

Report Date: 24-Mar-2012 09:59:55 Chrom Revision: 2.0 20-Feb-2012 13:27:02

Data File: \\Bufchrom\ChromData\HP5973G\20120323-10429.b\G10250.D

Injection Date:	24-Mar-2012 01:37:30	Limit Group:	MV - 8260B ICAL
Client ID:		Instrument ID:	HP5973G
Lims Batch ID:	56586	Lims Sample ID:	3
Operator ID:	RAL		
Column Type:	ZB-624	Column Dia:	0.25 mm

Y Scaling:



Report Date: 24-Mar-2012 09:59:55 Chrom Revision: 2.0 20-Feb-2012 13:27:02

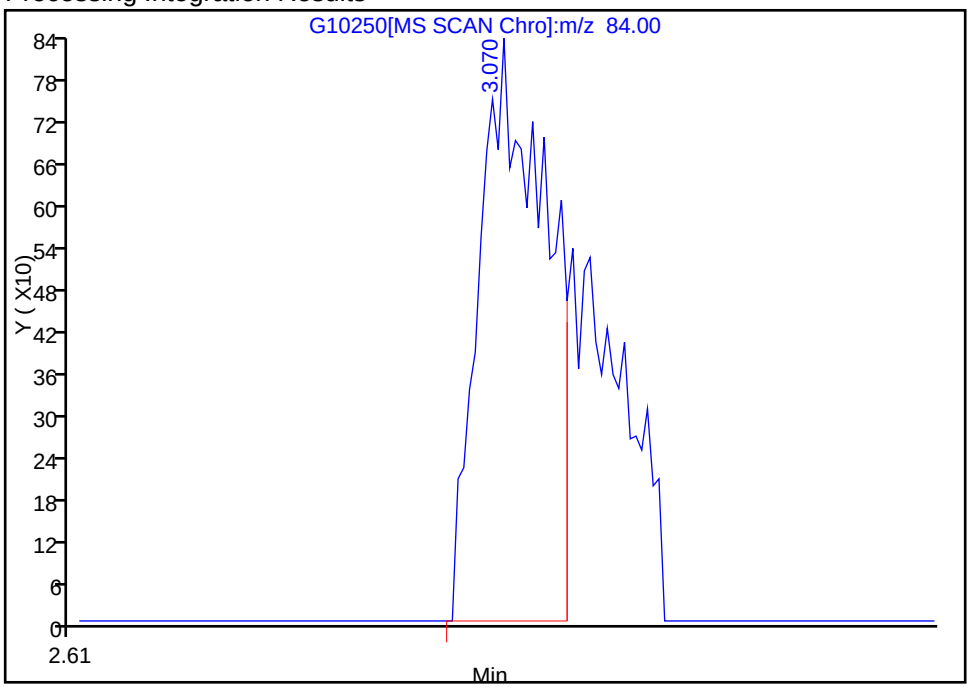
Manual Integration/User Assign Peak Report

Data File:	\\Bufchrom\ChromData\HP5973G\20120323-10429.b\G10250.D		
Injection Date:	24-Mar-2012 01:37:30	Limit Group:	MV - 8260B ICAL
Client ID:		Instrument ID:	HP5973G
Lims Batch ID:	56586	Lims Sample ID:	3
Operator ID:	RAL		
Column Type:	ZB-624	Column Dia:	0.25 mm

29 Methylene Chloride, Signal: 1, m/z: 84.0 Type: quant, RT: 3.07

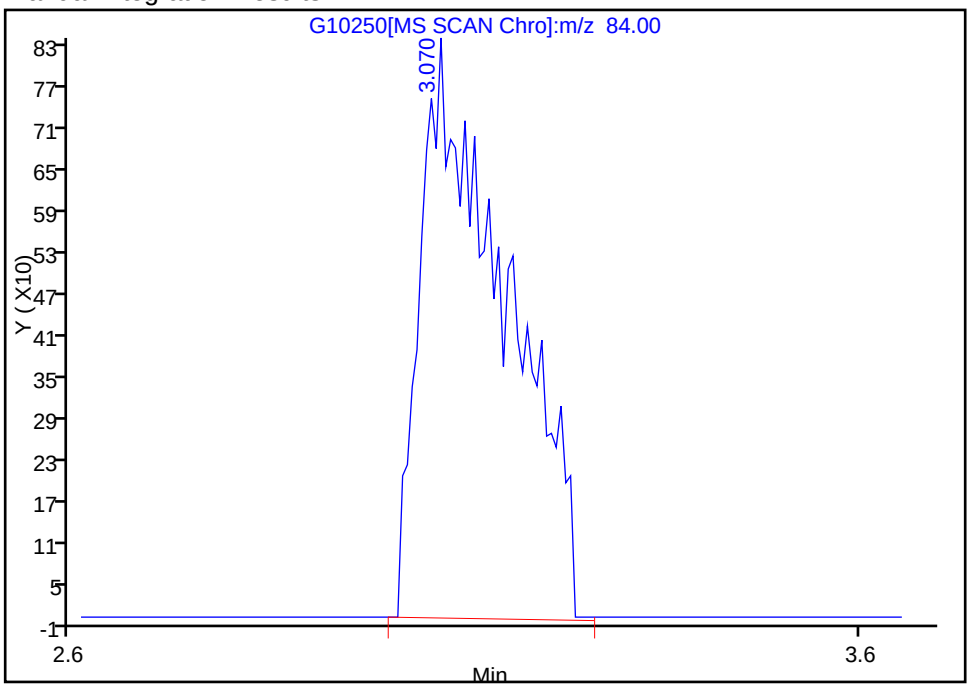
Processing Integration Results

RT: 3.07
Response: 4121
Amount: 0.776917



Manual Integration Results

RT: 3.07
Response: 6221
Amount: 1.100225



Reviewer: coderd, 24-Mar-2012 09:56:39
Audit Action: Manually Integrated
Audit Reason: Split Peak

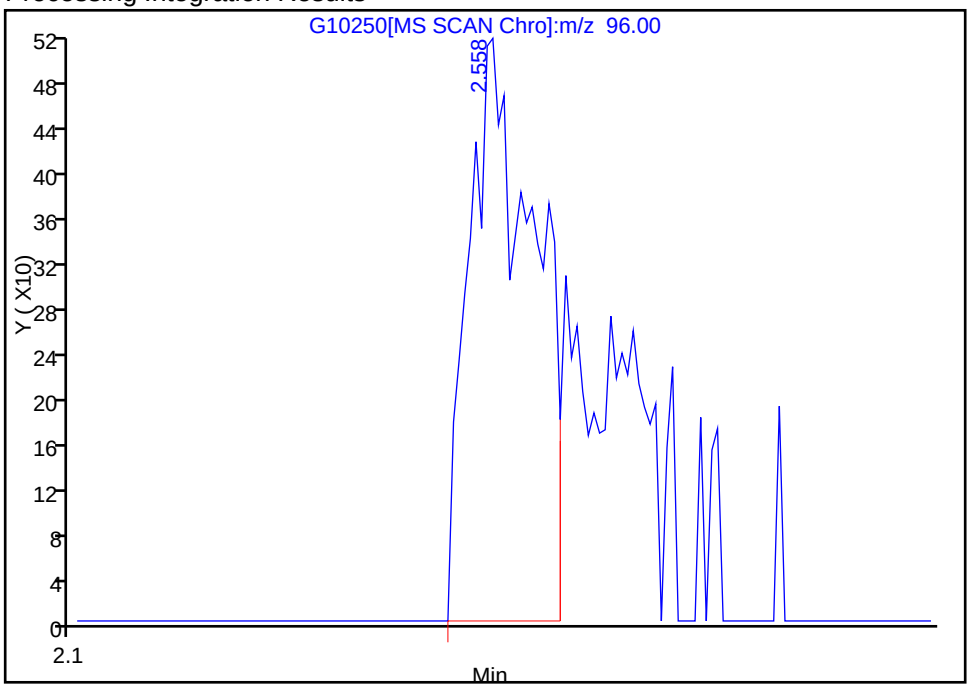
Manual Integration/User Assign Peak Report

Data File:	\\Bufchrom\ChromData\HP5973G\20120323-10429.b\G10250.D		
Injection Date:	24-Mar-2012 01:37:30	Limit Group:	MV - 8260B ICAL
Client ID:		Instrument ID:	HP5973G
Lims Batch ID:	56586	Lims Sample ID:	3
Operator ID:	RAL		
Column Type:	ZB-624	Column Dia:	0.25 mm

20 1,1-Dichloroethene, Signal: 1, m/z: 96.0 Type: quant, RT: 2.55

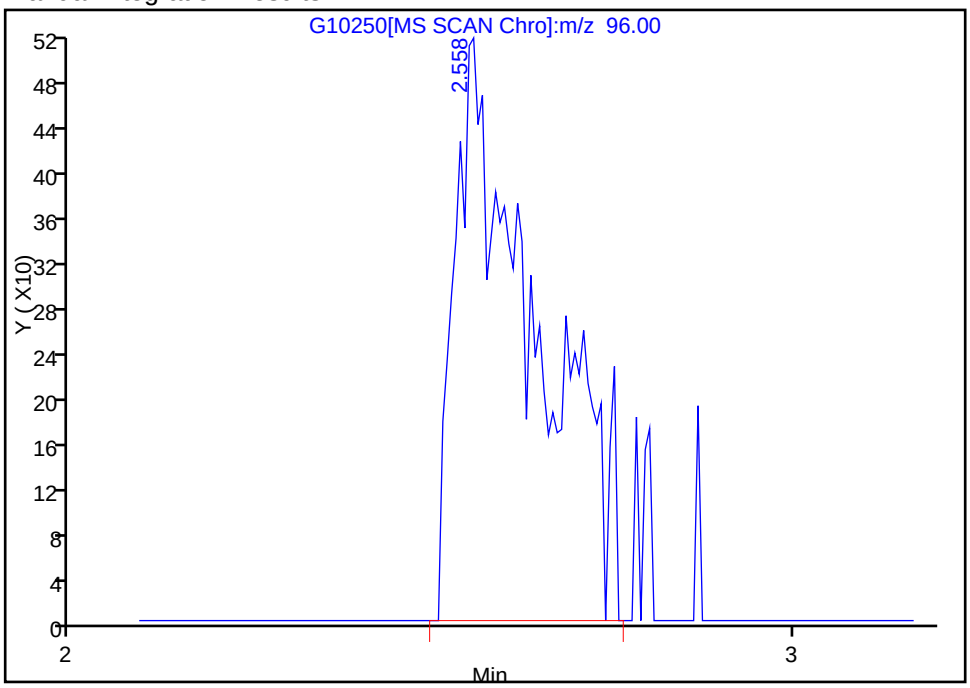
Processing Integration Results

RT: 2.56
Response: 2573
Amount: 0.790650



Manual Integration Results

RT: 2.56
Response: 4053
Amount: 0.929338



Reviewer: coderd, 24-Mar-2012 09:56:39
Audit Action: Manually Integrated
Audit Reason: Split Peak

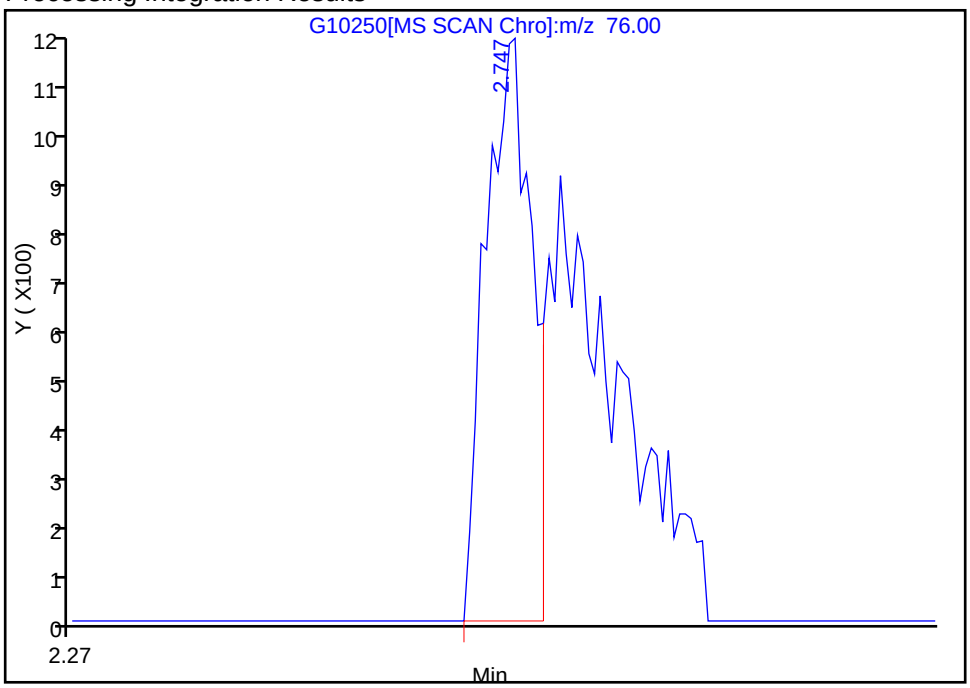
Manual Integration/User Assign Peak Report

Data File:	\\Bufchrom\ChromData\HP5973G\20120323-10429.b\G10250.D		
Injection Date:	24-Mar-2012 01:37:30	Limit Group:	MV - 8260B ICAL
Client ID:		Instrument ID:	HP5973G
Lims Batch ID:	56586	Lims Sample ID:	3
Operator ID:	RAL		
Column Type:	ZB-624	Column Dia:	0.25 mm

24 Carbon disulfide, Signal: 1, m/z: 76.0 Type: quant, RT: 2.74

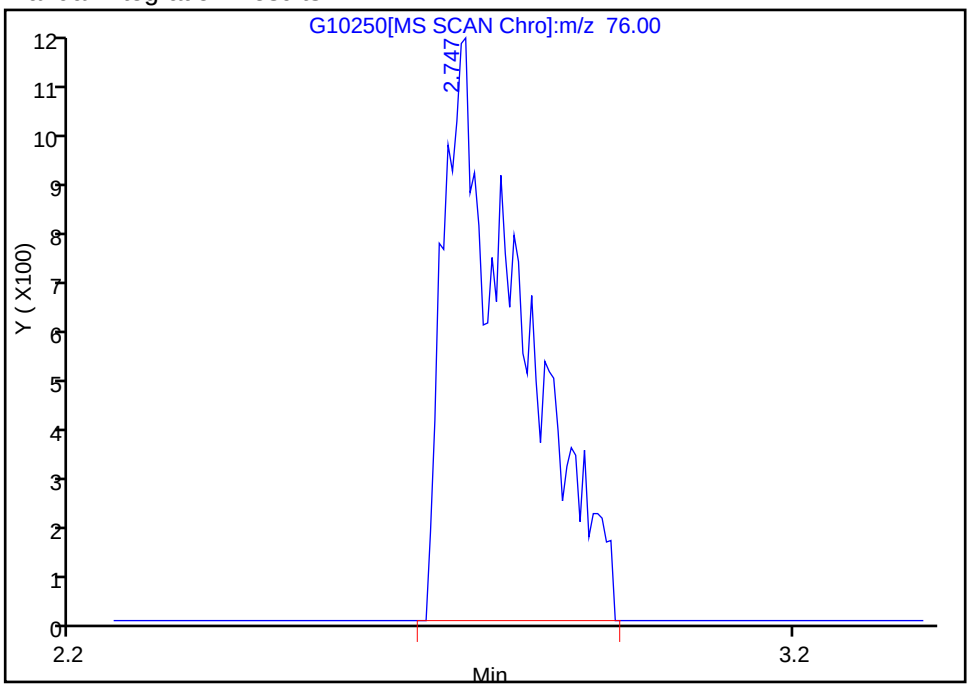
Processing Integration Results

RT: 2.75
Response: 3957
Amount: 0.452415



Manual Integration Results

RT: 2.75
Response: 8422
Amount: 0.676714



Reviewer: coderd, 24-Mar-2012 09:56:39
Audit Action: Manually Integrated
Audit Reason: Split Peak

Report Date: 24-Mar-2012 09:59:55 Chrom Revision: 2.0 20-Feb-2012 13:27:02

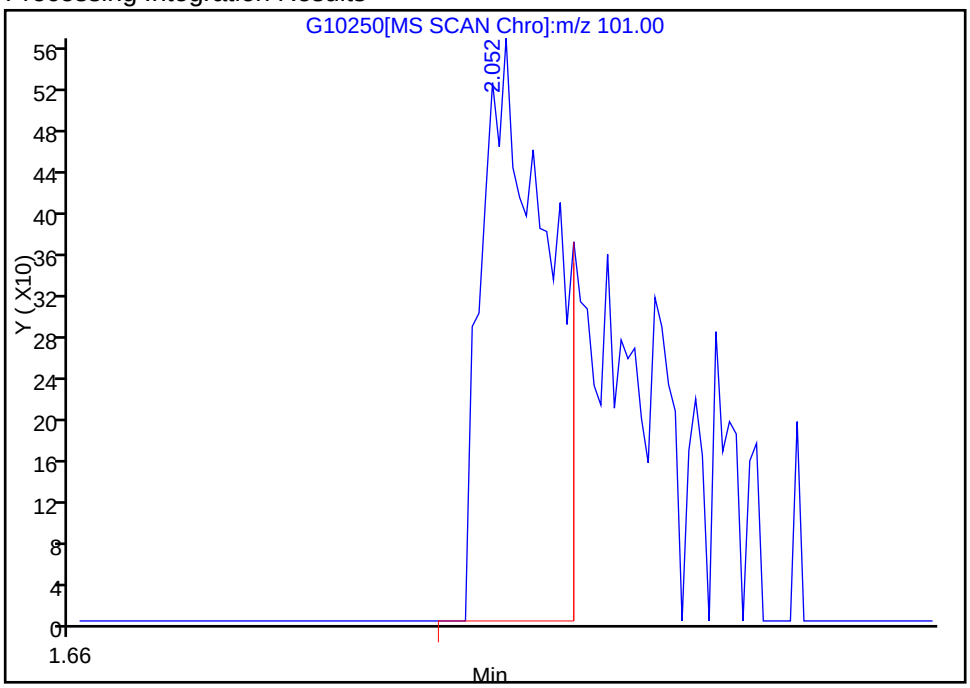
Manual Integration/User Assign Peak Report

Data File:	\\Bufchrom\ChromData\HP5973G\20120323-10429.b\G10250.D		
Injection Date:	24-Mar-2012 01:37:30	Limit Group:	MV - 8260B ICAL
Client ID:		Instrument ID:	HP5973G
Lims Batch ID:	56586	Lims Sample ID:	3
Operator ID:	RAL		
Column Type:	ZB-624	Column Dia:	0.25 mm

17 Trichlorofluoromethane, Signal: 1, m/z: 101.0 Type: quant, RT: 2.05

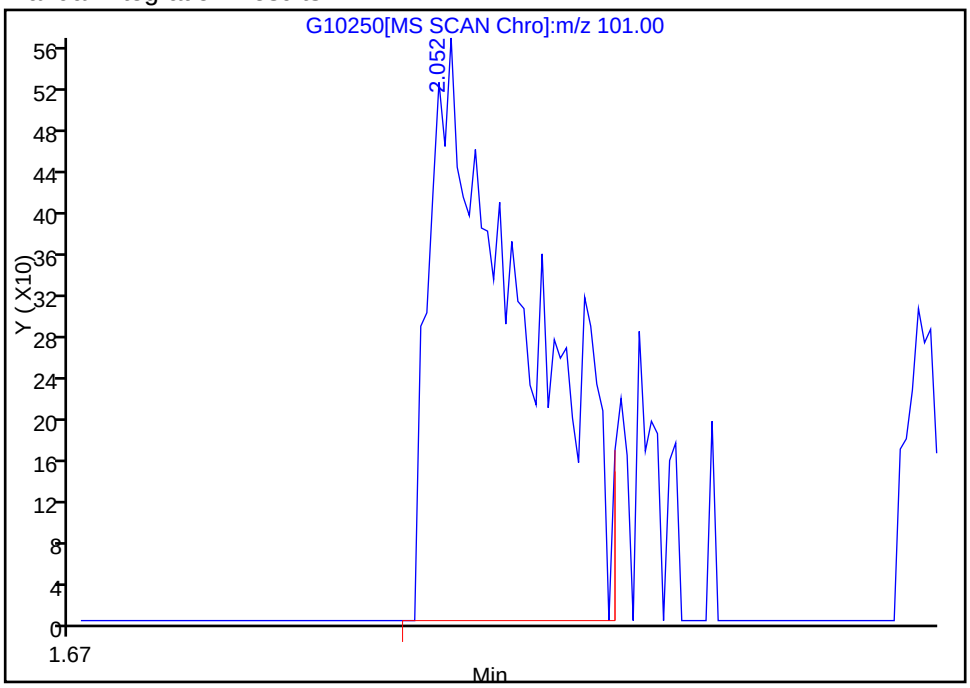
Processing Integration Results

RT: 2.05
Response: 2335
Amount: 0.466372



Manual Integration Results

RT: 2.05
Response: 3777
Amount: 0.808152



Reviewer: coderd, 24-Mar-2012 09:56:39
Audit Action: Manually Integrated
Audit Reason: Split Peak

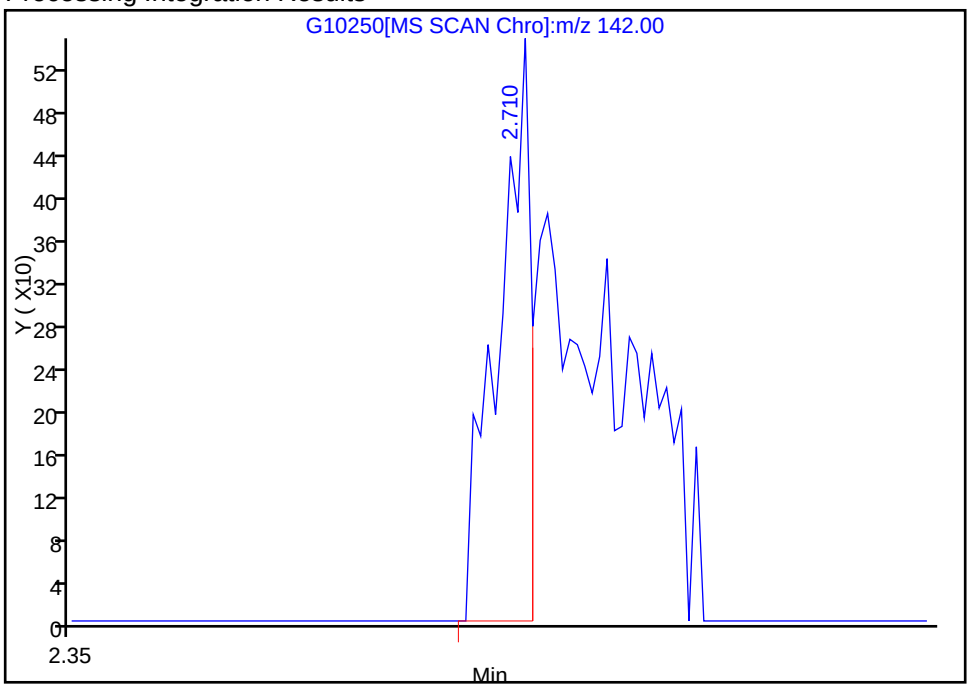
Manual Integration/User Assign Peak Report

Data File:	\\Bufchrom\ChromData\HP5973G\20120323-10429.b\G10250.D		
Injection Date:	24-Mar-2012 01:37:30	Limit Group:	MV - 8260B ICAL
Client ID:		Instrument ID:	HP5973G
Lims Batch ID:	56586	Lims Sample ID:	3
Operator ID:	RAL		
Column Type:	ZB-624	Column Dia:	0.25 mm

23 Iodomethane, Signal: 1, m/z: 142.0 Type: quant, RT: 2.72

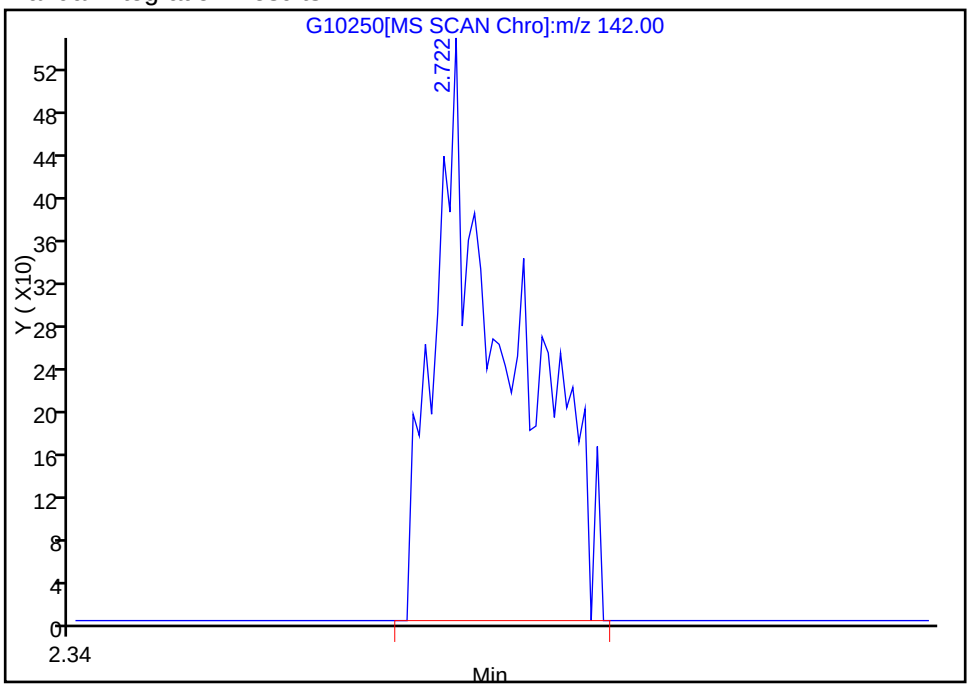
Processing Integration Results

RT: 2.71
Response: 998
Amount: 0.495446



Manual Integration Results

RT: 2.72
Response: 2861
Amount: 0.969541



Reviewer: coderd, 24-Mar-2012 09:56:39
Audit Action: Manually Integrated
Audit Reason: Split Peak

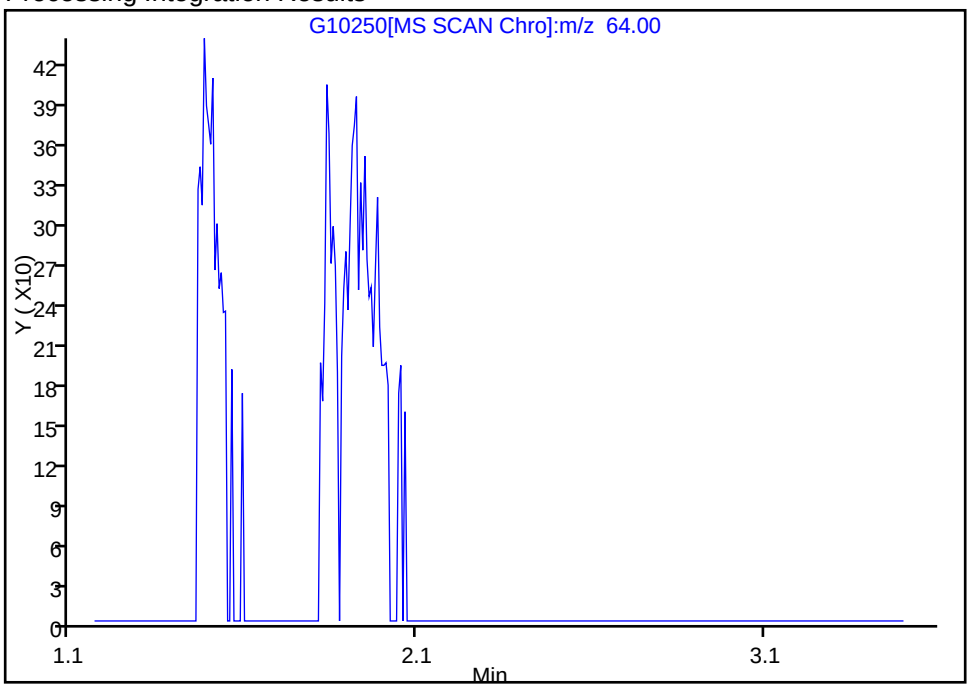
Manual Integration/User Assign Peak Report

Data File:	\\Bufchrom\ChromData\HP5973G\20120323-10429.b\G10250.D		
Injection Date:	24-Mar-2012 01:37:30	Limit Group:	MV - 8260B ICAL
Client ID:		Instrument ID:	HP5973G
Lims Batch ID:	56586	Lims Sample ID:	3
Operator ID:	RAL		
Column Type:	ZB-624	Column Dia:	0.25 mm

15 Chloroethane, Signal: 1, m/z: 64.0 Type: quant, RT: 1.91

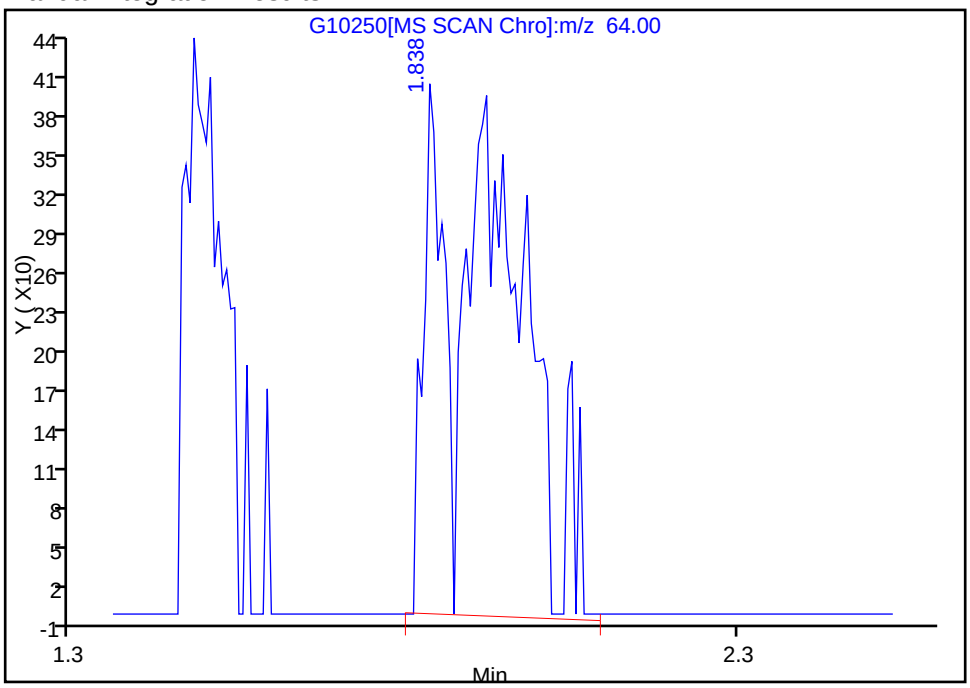
Processing Integration Results

Not Detected
Expected RT: 1.91



Manual Integration Results

RT: 1.84
Response: 3354
Amount: 1.079384



Reviewer: coderd, 24-Mar-2012 09:56:39
Audit Action: Manually Integrated
Audit Reason: Assign Peak

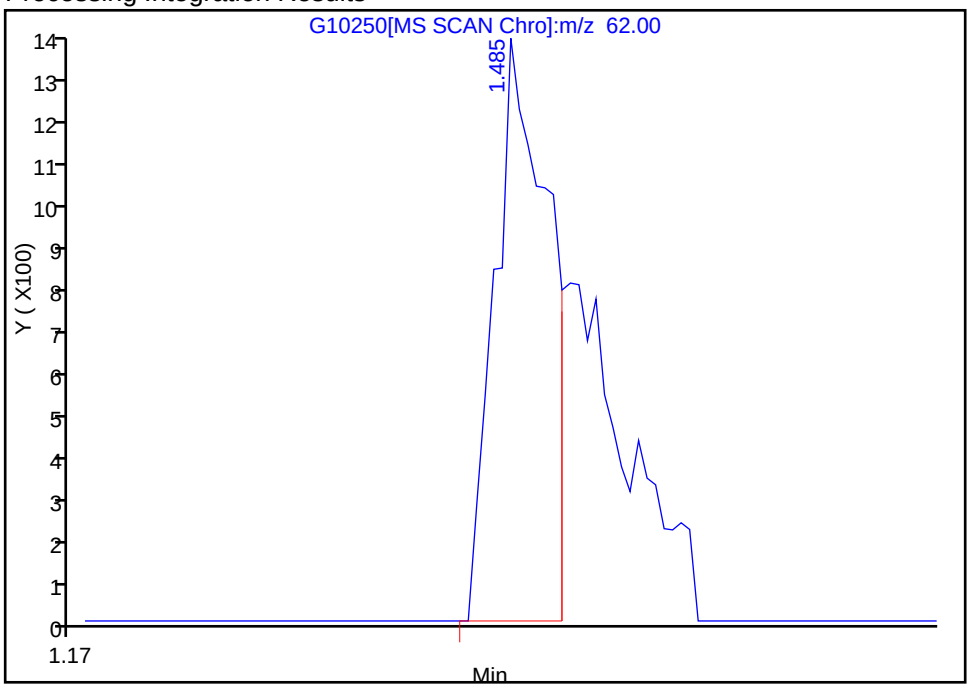
Manual Integration/User Assign Peak Report

Data File:	\\Bufchrom\ChromData\HP5973G\20120323-10429.b\G10250.D		
Injection Date:	24-Mar-2012 01:37:30	Limit Group:	MV - 8260B ICAL
Client ID:		Instrument ID:	HP5973G
Lims Batch ID:	56586	Lims Sample ID:	3
Operator ID:	RAL		
Column Type:	ZB-624	Column Dia:	0.25 mm

13 Vinyl chloride, Signal: 1, m/z: 62.0 Type: quant, RT: 1.49

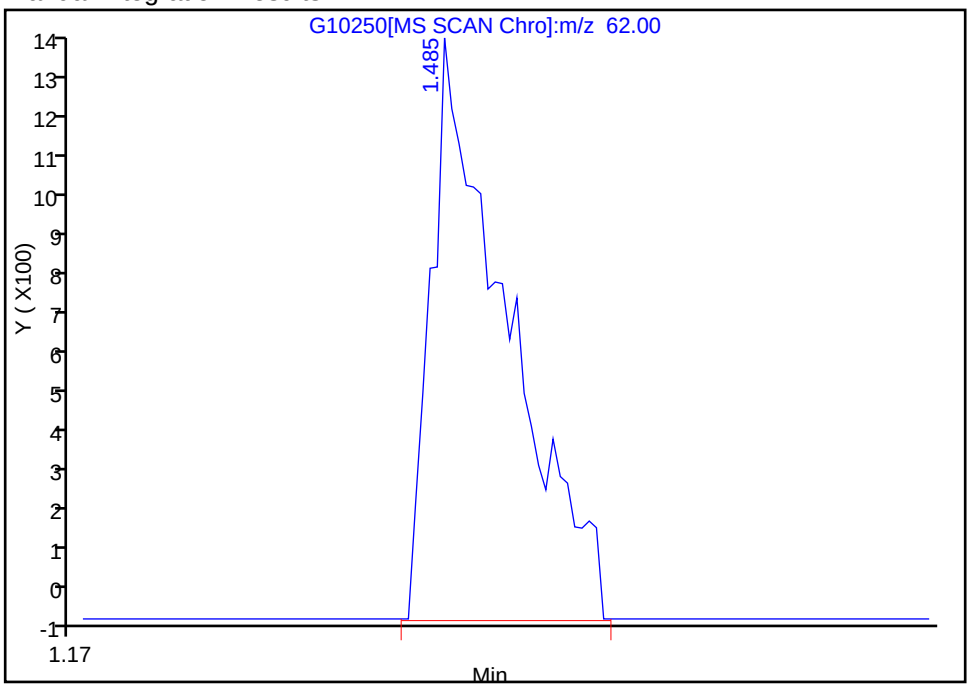
Processing Integration Results

RT: 1.48
Response: 3717
Amount: 0.667558



Manual Integration Results

RT: 1.48
Response: 6224
Amount: 1.039779



Reviewer: coderd, 24-Mar-2012 09:56:39
Audit Action: Manually Integrated
Audit Reason: Split Peak

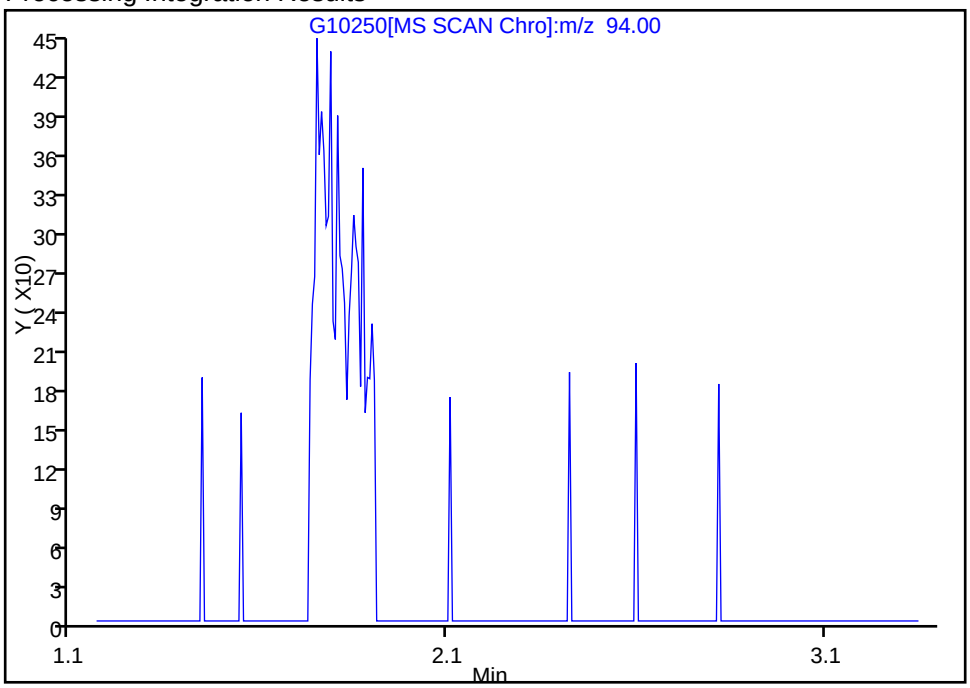
Manual Integration/User Assign Peak Report

Data File:	\\Bufchrom\ChromData\HP5973G\20120323-10429.b\G10250.D		
Injection Date:	24-Mar-2012 01:37:30	Limit Group:	MV - 8260B ICAL
Client ID:		Instrument ID:	HP5973G
Lims Batch ID:	56586	Lims Sample ID:	3
Operator ID:	RAL		
Column Type:	ZB-624	Column Dia:	0.25 mm

14 Bromomethane, Signal: 1, m/z: 94.0 Type: quant, RT: 1.75

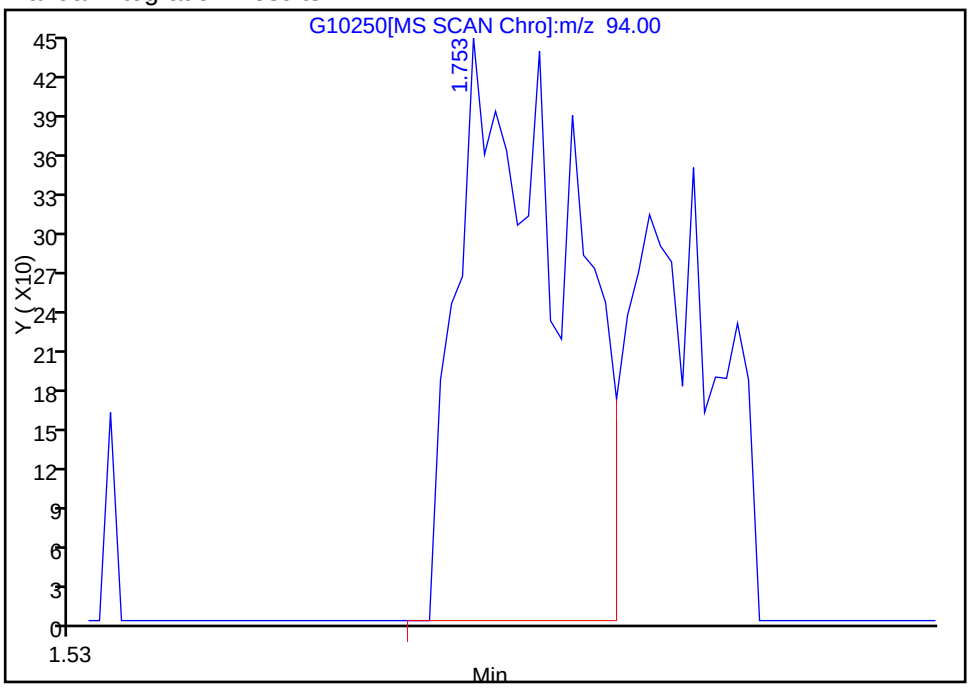
Not Detected
Expected RT: 1.75

Processing Integration Results



Manual Integration Results

RT: 1.75
Response: 1856
Amount: 1.904817



Reviewer: coderd, 24-Mar-2012 09:59:55
Audit Action: Manually Integrated
Audit Reason: Assign Peak

Report Date: 24-Mar-2012 09:59:55 Chrom Revision: 2.0 20-Feb-2012 13:27:02

Manual Integration/User Assign Peak Report

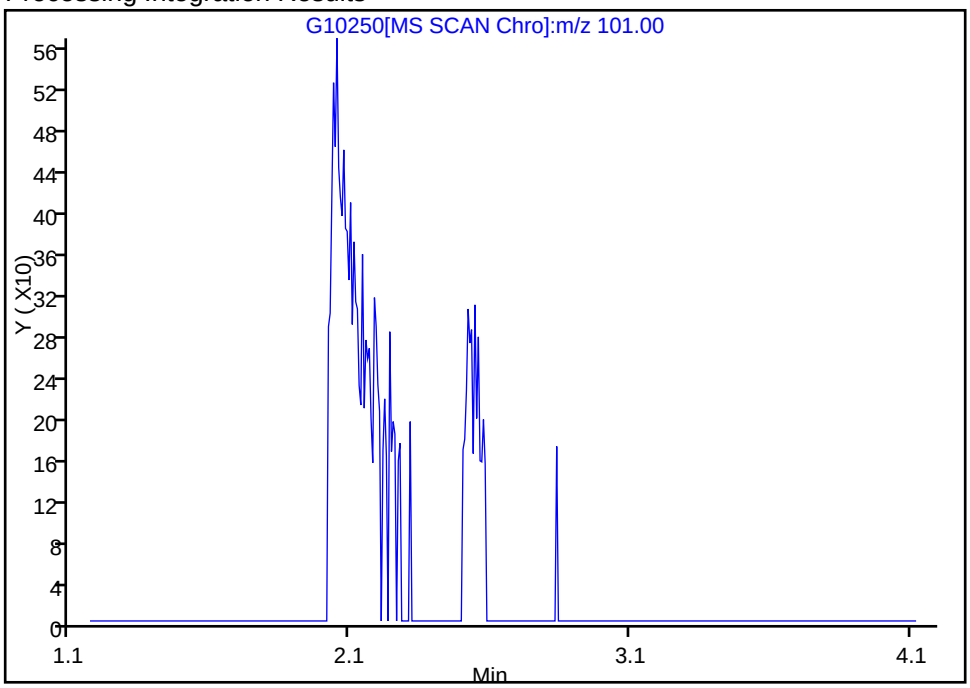
Data File: \\Bufchrom\ChromData\HP5973G\20120323-10429.b\G10250.D

Injection Date:	24-Mar-2012 01:37:30	Limit Group:	MV - 8260B ICAL
Client ID:		Instrument ID:	HP5973G
Lims Batch ID:	56586	Lims Sample ID:	3
Operator ID:	RAL		
Column Type:	ZB-624	Column Dia:	0.25 mm

21 1,1,2-Trichloro-1,2,2-trifluoroethane, Signal: 1, m/z: 101.0 Type: quant, RT: 2.53

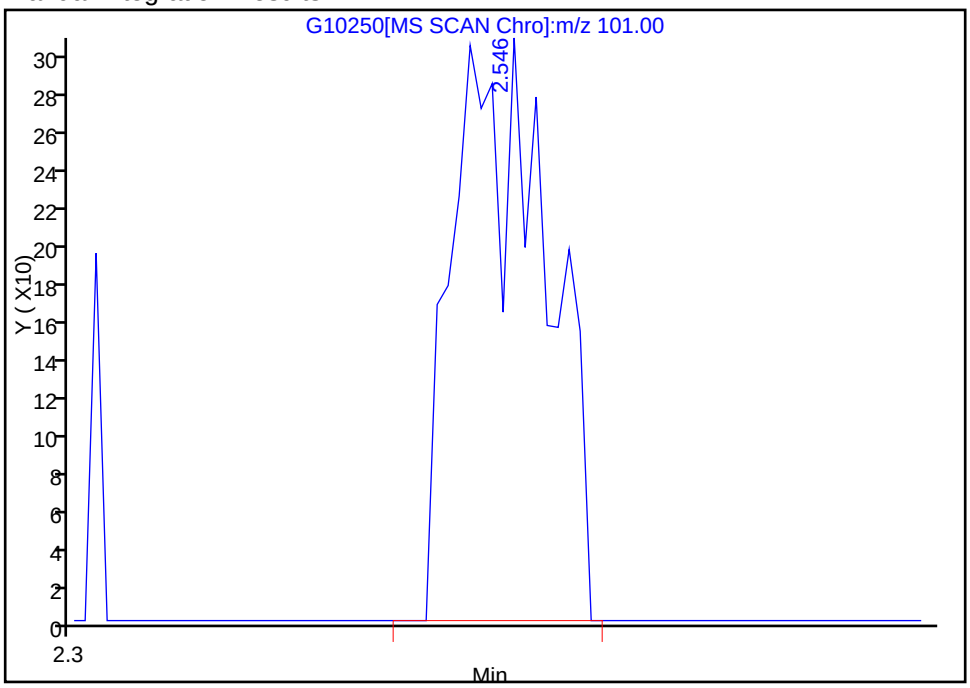
Not Detected
Expected RT: 2.53

Processing Integration Results



Manual Integration Results

RT: 2.55
Response: 1102
Amount: 0.294339



Reviewer: coderd, 24-Mar-2012 09:56:39
Audit Action: Manually Integrated
Audit Reason: Assign Peak

TestAmerica Laboratories
Target Compound Quantitation Report

Data File: \\Bufchrom\ChromData\HP5973G\20120323-10429.b\G10251.D
Lims ID: STD-2 Client ID:
Inject. Date: 24-Mar-2012 01:59:30 Dil. Factor: 1.0000
Sample Type: IC Calib Level: 2
Sample ID: STD-2
Misc. Info.: 480-0010429-004 =480-0010429-004
Operator: RAL Instrument ID: HP5973G
Vol. Injected: 1.0000 ALS Bottle#: 5
Lims Batch ID: 56586 Lims Sample ID: 4
Sublist: chrom-G-8260*sub1
Detector: MS SCAN

Method: \\Bufchrom\ChromData\HP5973G\20120323-10429.b\G-8260.m
Last Update: 24-Mar-2012 09:57:32 Calib Date: 24-Mar-2012 03:26:30
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\Bufchrom\ChromData\HP5973G\20120323-10429.b\G10255.D
Limit Group: MV - 8260B ICAL
Integrator: RTE ID Type: Deconvolution ID
Process Host: CORP-CTX-19

First Level Reviewer: coderd Date: 24-Mar-2012 09:57:32

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/L	Flags
* 1 1,4-Difluorobenzene	114	5.362	5.362	0.0	96	285901	25.0	
* 2 Chlorobenzene-d5	82	8.221	8.221	0.0	90	151359	25.0	
* 3 1,4-Dichlorobenzene-d4	152	10.629	10.629	0.0	96	131407	25.0	
$ 4 1,2-Dichloroethane-d4 (Surr)	67	4.984	4.984	0.0	0	11697	5.07	
$ 5 Toluene-d8 (Surr)	98	6.746	6.746	0.0	91	70206	4.79	
$ 6 4-Bromofluorobenzene (Surr)	174	9.483	9.477	0.006	81	18055	4.67	
10 Dichlorodifluoromethane	85	1.241	1.235	0.006	73	19906	4.98	
12 Chloromethane	50	1.406	1.412	-0.006	88	31199	4.49	
13 Vinyl chloride	62	1.491	1.485	0.006	62	28987	4.91	
14 Bromomethane	94	1.753	1.753	0.0	82	5930	6.17	
15 Chloroethane	64	1.838	1.838	0.0	50	14823	4.84	
17 Trichlorofluoromethane	101	2.046	2.052	-0.006	67	22687	4.93	
19 Acrolein	56	2.515	2.515	0.0	98	61363	98.6	
21 1,1,2-Trichloro-1,2,2-trifluoroe	101	2.521	2.521	0.0	21	15912	7.80	M
20 1,1-Dichloroethene	96	2.552	2.552	0.0	91	22103	5.76	M
22 Acetone	43	2.674	2.674	0.0	100	47584	24.3	
23 Iodomethane	142	2.710	2.710	0.0	59	16304	8.12	M
24 Carbon disulfide	76	2.729	2.747	-0.018	94	44616	5.06	
28 Methyl acetate	43	2.954	2.954	0.0	97	37052	5.11	
27 Acetonitrile	40	2.972	2.972	0.0	98	84697	161.7	
29 Methylene Chloride	84	3.070	3.070	0.0	88	26404	4.74	
31 Methyl tert-butyl ether	73	3.259	3.253	0.006	90	68437	4.90	
32 trans-1,2-Dichloroethene	96	3.259	3.259	0.0	38	24324	5.07	
33 Acrylonitrile	53	3.332	3.332	0.0	99	70544	25.2	
36 1,1-Dichloroethane	63	3.667	3.667	0.0	70	30634	4.51	
38 Vinyl acetate	43	3.734	3.728	0.006	97	282034	24.9	
42 2,2-Dichloropropane	77	4.179	4.180	-0.001	79	12883	4.72	
43 cis-1,2-Dichloroethene	96	4.216	4.216	0.0	60	17691	4.42	
44 2-Butanone (MEK)	43	4.271	4.265	0.006	98	101850	24.5	
48 Chlorobromomethane	128	4.448	4.448	0.0	81	8694	4.76	

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/L	Flags
49 Tetrahydrofuran	42	4.478	4.472	0.006	93	68070	24.8	
50 Chloroform	85	4.527	4.527	0.0	80	19921	4.71	
51 1,1,1-Trichloroethane	97	4.631	4.631	0.0	77	18003	4.35	
52 Cyclohexane	56	4.631	4.631	0.0	92	31356	4.88	
53 Carbon tetrachloride	117	4.765	4.765	0.0	73	15649	5.64	
54 1,1-Dichloropropene	75	4.777	4.777	0.0	90	28714	4.73	
56 Benzene	78	4.978	4.978	0.0	96	87948	4.76	
57 1,2-Dichloroethane	62	5.057	5.051	0.006	95	31609	4.86	
61 Trichloroethene	95	5.588	5.588	0.0	90	20740	4.76	
62 Methylcyclohexane	83	5.697	5.698	-0.001	95	28947	5.00	
63 1,2-Dichloropropane	63	5.826	5.826	0.0	90	22680	4.58	
65 Dibromomethane	93	5.960	5.960	0.0	81	11788	4.66	
67 Dichlorobromomethane	83	6.118	6.118	0.0	87	19345	4.37	
70 2-Chloroethyl vinyl ether	63	6.399	6.399	0.0	91	94051	24.3	
72 cis-1,3-Dichloropropene	75	6.533	6.533	0.0	82	28503	4.37	
73 4-Methyl-2-pentanone (MIBK)	43	6.685	6.685	0.0	98	196566	25.2	
74 Toluene	92	6.813	6.813	0.0	97	55855	4.69	
76 trans-1,3-Dichloropropene	75	7.100	7.100	0.0	91	25748	4.34	
78 Ethyl methacrylate	69	7.148	7.148	0.0	91	30687	3.92	
79 1,1,2-Trichloroethane	83	7.289	7.283	0.006	87	15474	4.59	
80 Tetrachloroethene	166	7.337	7.337	0.0	81	19596	4.70	
81 1,3-Dichloropropane	76	7.447	7.441	0.006	94	35986	4.68	
82 2-Hexanone	43	7.520	7.520	0.0	98	146555	24.7	
83 Chlorodibromomethane	129	7.679	7.679	0.0	81	11594	4.29	
84 Ethylene Dibromide	107	7.776	7.776	0.0	95	18520	4.57	
86 Chlorobenzene	112	8.252	8.252	0.0	83	59516	4.72	
89 Ethylbenzene	91	8.343	8.343	0.0	99	103533	4.69	
88 1,1,1,2-Tetrachloroethane	131	8.356	8.349	0.007	80	14404	4.34	
90 m-Xylene & p-Xylene	106	8.465	8.465	0.0	99	80859	9.41	
91 o-Xylene	106	8.892	8.892	0.0	98	37835	4.65	
92 Styrene	104	8.922	8.923	0.0	95	60113	4.55	
93 Bromoform	173	9.166	9.172	-0.006	81	5766	4.47	
95 Isopropylbenzene	105	9.276	9.276	0.0	95	100198	4.73	
97 Bromobenzene	156	9.630	9.630	0.0	97	21952	4.73	
98 1,1,2,2-Tetrachloroethane	83	9.697	9.697	0.0	76	28444	4.67	
101 N-Propylbenzene	91	9.715	9.715	0.0	98	122829	4.76	
99 1,2,3-Trichloropropane	110	9.727	9.727	0.0	83	9644	4.67	
100 trans-1,4-Dichloro-2-butene	53	9.745	9.746	-0.001	83	36440	16.9	
102 2-Chlorotoluene	126	9.819	9.819	0.0	95	22913	4.80	
104 1,3,5-Trimethylbenzene	105	9.898	9.898	0.0	92	85217	4.78	
105 4-Chlorotoluene	126	9.934	9.935	0.0	97	24505	4.83	
106 tert-Butylbenzene	134	10.215	10.215	0.0	91	17797	4.75	
107 1,2,4-Trimethylbenzene	105	10.270	10.270	0.0	97	85438	4.73	
109 sec-Butylbenzene	105	10.428	10.428	0.0	93	107202	4.76	
110 1,3-Dichlorobenzene	146	10.562	10.562	0.0	95	45176	4.77	
111 4-Isopropyltoluene	119	10.575	10.575	0.0	97	88232	4.77	
113 1,4-Dichlorobenzene	146	10.654	10.654	0.0	89	46510	4.67	
115 n-Butylbenzene	91	10.965	10.965	0.0	97	79946	4.65	
116 1,2-Dichlorobenzene	146	11.007	11.007	0.0	94	44274	4.76	
117 1,2-Dibromo-3-Chloropropane	75	11.751	11.751	0.0	54	4782	4.40	
119 1,2,4-Trichlorobenzene	180	12.422	12.422	0.0	93	29978	5.16	
120 Hexachlorobutadiene	225	12.532	12.532	0.0	92	12822	5.39	

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/L	Flags
121 Naphthalene	128	12.635	12.635	0.0	97	99348	5.15	
122 1,2,3-Trichlorobenzene	180	12.842	12.842	0.0	94	28317	6.56	
S 123 Total BTEX	1				0		28.2	
S 124 Xylenes, Total	1				0		14.1	
S 125 1,2-Dichloroethene, Total	1				0		9.49	
S 126 1,3-Dichloropropene, Total	1				0		8.71	

QC Flag Legend

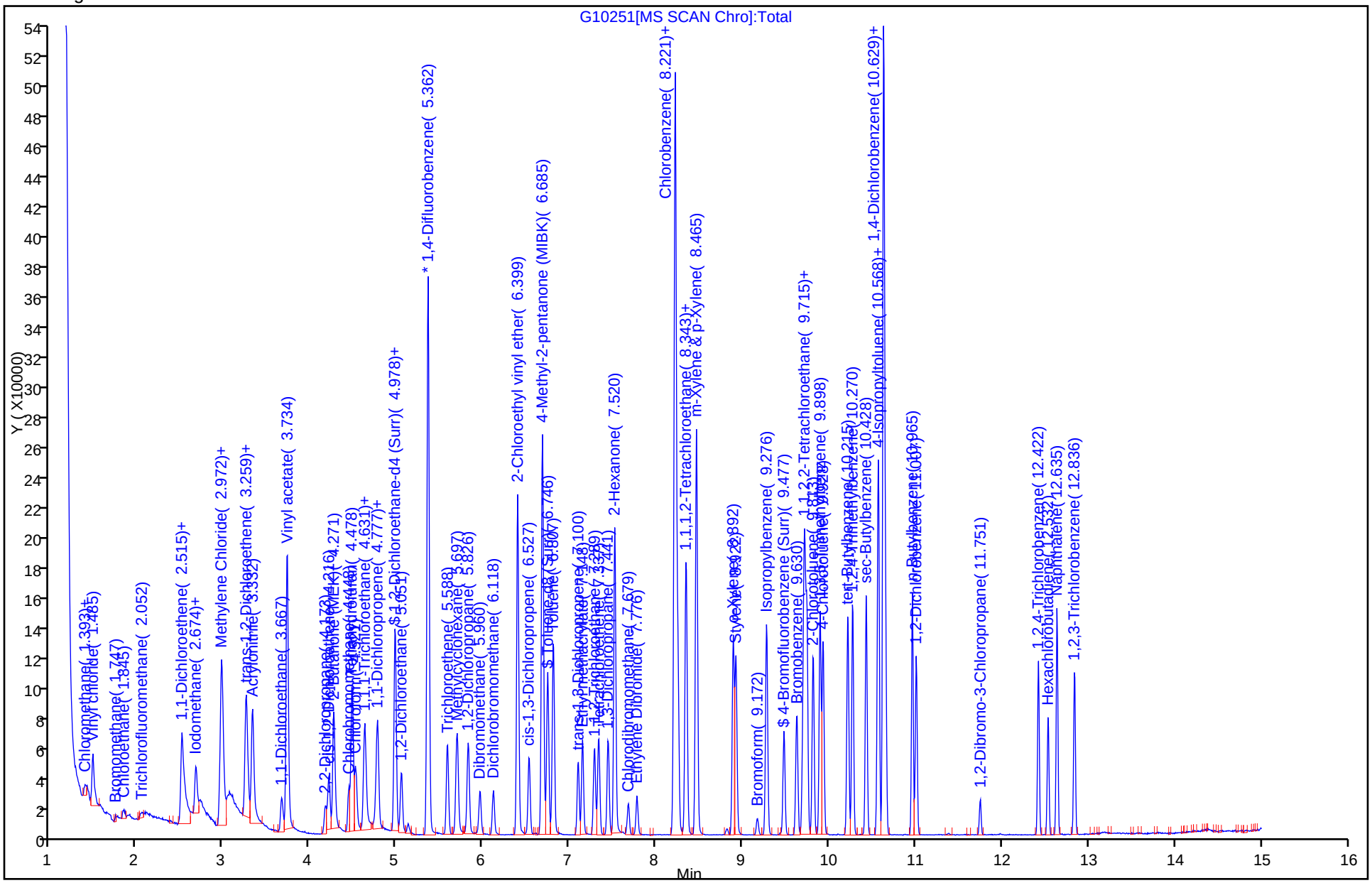
Review Flags
M - Manually Integrated

Report Date: 24-Mar-2012 09:57:32 Chrom Revision: 2.0 20-Feb-2012 13:27:02

Data File: \\Bufchrom\ChromData\HP5973G\20120323-10429.b\G10251.D

Injection Date:	24-Mar-2012 01:59:30	Limit Group:	MV - 8260B ICAL
Client ID:		Instrument ID:	HP5973G
Lims Batch ID:	56586	Lims Sample ID:	4
Operator ID:	RAL		
Column Type:	ZB-624	Column Dia:	0.25 mm

Y Scaling:



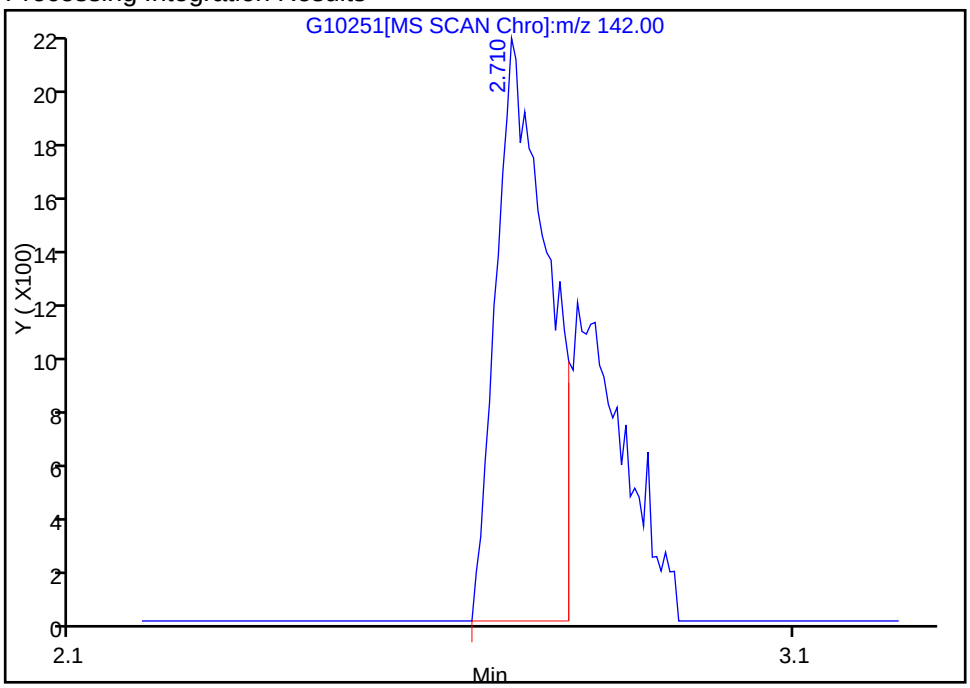
Manual Integration/User Assign Peak Report

Data File:	\\Bufchrom\ChromData\HP5973G\20120323-10429.b\G10251.D		
Injection Date:	24-Mar-2012 01:59:30	Limit Group:	MV - 8260B ICAL
Client ID:		Instrument ID:	HP5973G
Lims Batch ID:	56586	Lims Sample ID:	4
Operator ID:	RAL		
Column Type:	ZB-624	Column Dia:	0.25 mm

23 Iodomethane, Signal: 1, m/z: 142.0 Type: quant, RT: 2.71

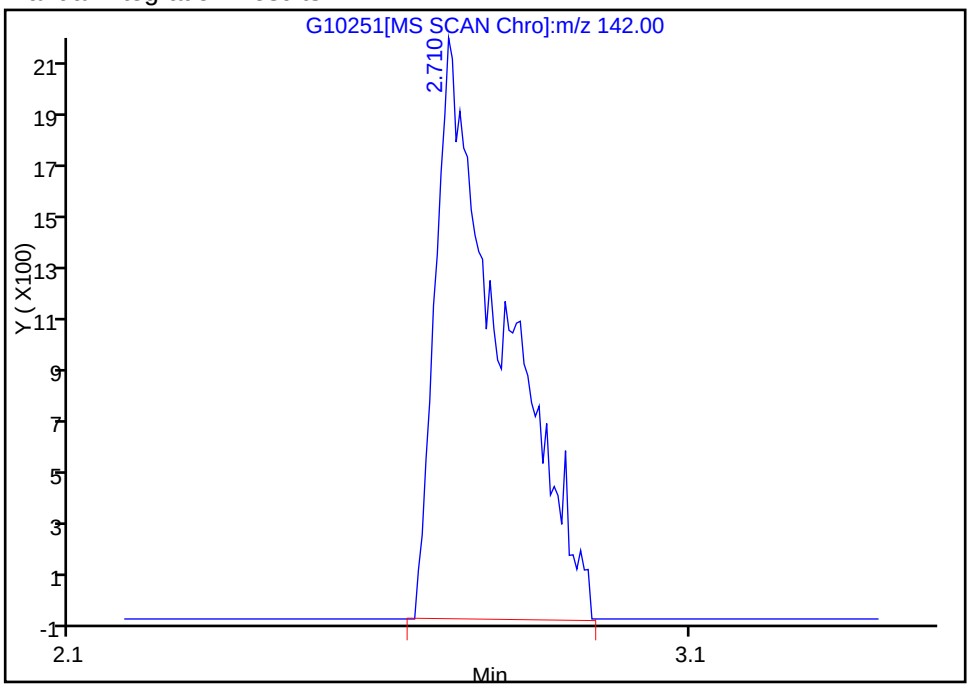
Processing Integration Results

RT: 2.71
Response: 10619
Amount: 5.323244



Manual Integration Results

RT: 2.71
Response: 16304
Amount: 8.118537



Reviewer: coderd, 24-Mar-2012 09:57:32
Audit Action: Manually Integrated
Audit Reason: Split Peak

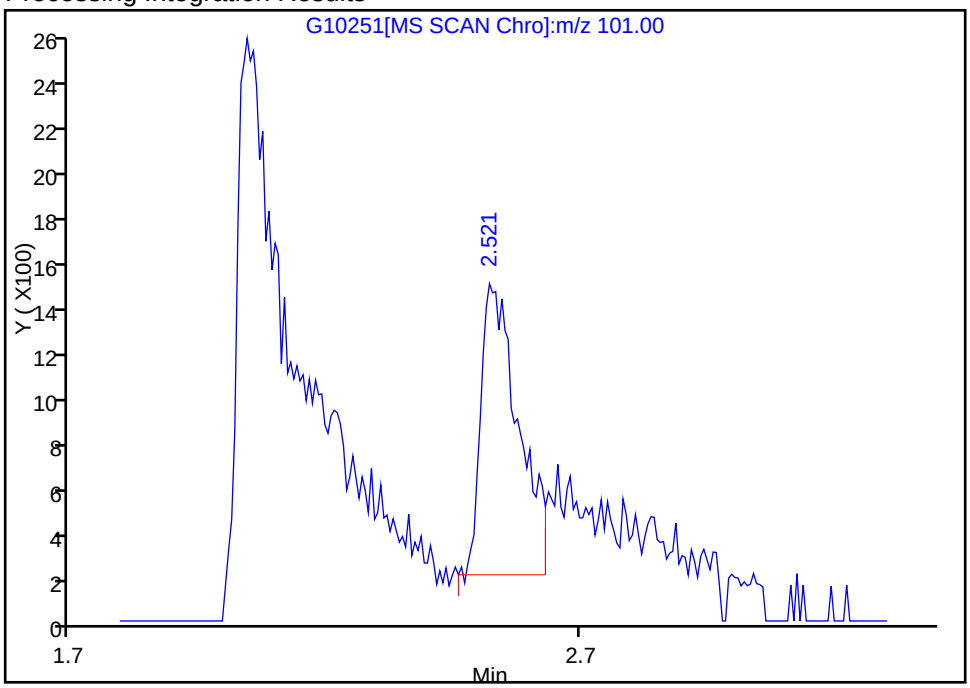
Manual Integration/User Assign Peak Report

Data File:	\\Bufchrom\ChromData\HP5973G\20120323-10429.b\G10251.D		
Injection Date:	24-Mar-2012 01:59:30	Limit Group:	MV - 8260B ICAL
Client ID:		Instrument ID:	HP5973G
Lims Batch ID:	56586	Lims Sample ID:	4
Operator ID:	RAL		
Column Type:	ZB-624	Column Dia:	0.25 mm

21 1,1,2-Trichloro-1,2,2-trifluoroethane, Signal: 1, m/z: 101.0 Type: quant, RT: 2.52

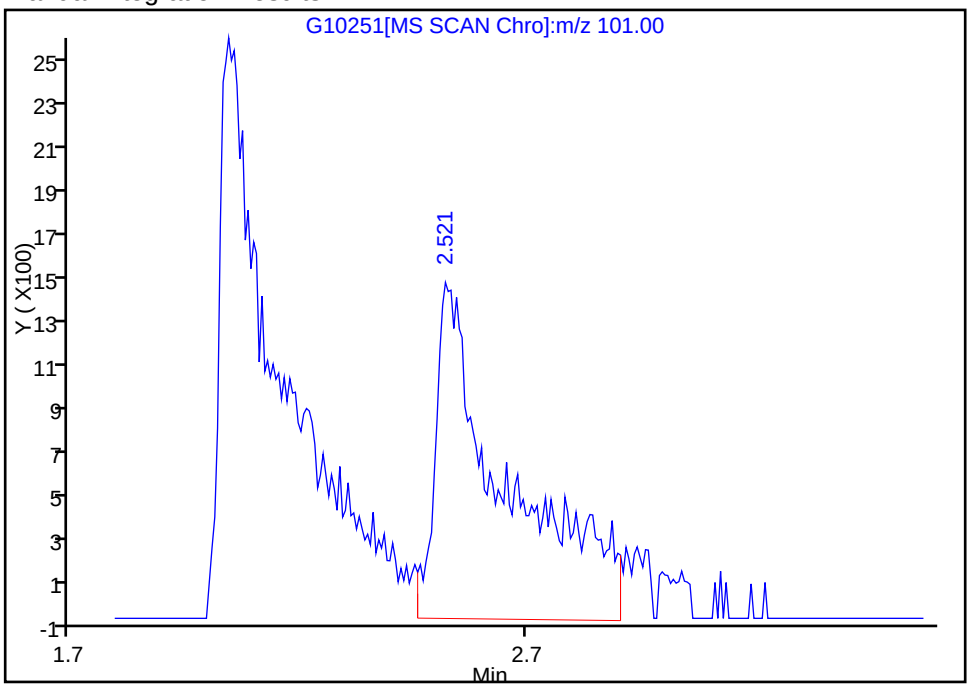
Processing Integration Results

RT: 2.52
Response: 6541
Amount: 3.788796



Manual Integration Results

RT: 2.52
Response: 15912
Amount: 7.804696



Reviewer: coderd, 24-Mar-2012 09:57:32
Audit Action: Manually Integrated
Audit Reason: Split Peak

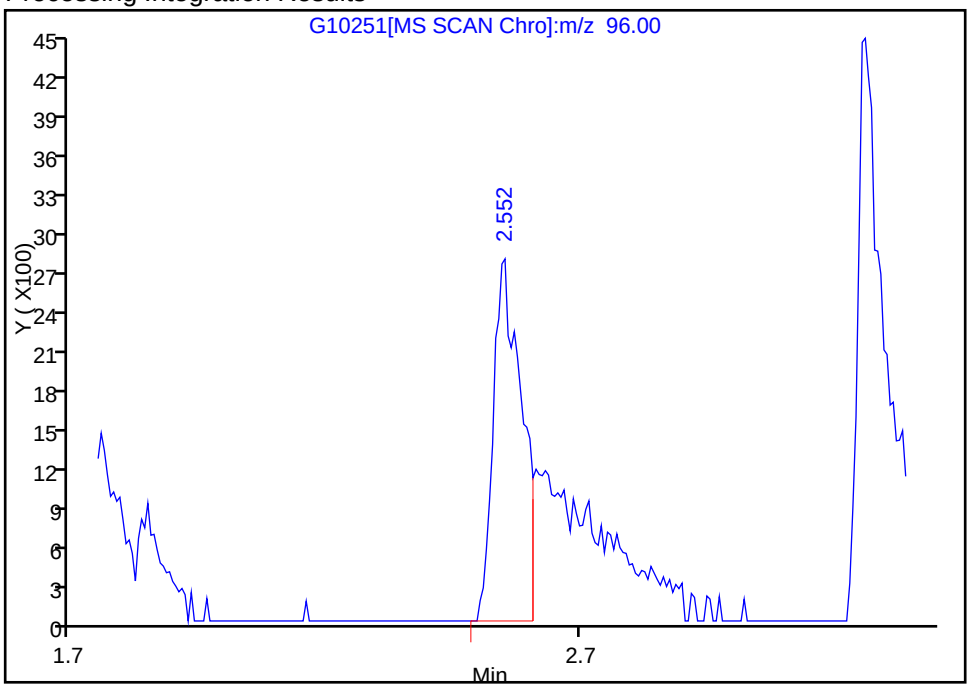
Manual Integration/User Assign Peak Report

Data File:	\\Bufchrom\ChromData\HP5973G\20120323-10429.b\G10251.D		
Injection Date:	24-Mar-2012 01:59:30	Limit Group:	MV - 8260B ICAL
Client ID:		Instrument ID:	HP5973G
Lims Batch ID:	56586	Lims Sample ID:	4
Operator ID:	RAL		
Column Type:	ZB-624	Column Dia:	0.25 mm

20 1,1-Dichloroethene, Signal: 1, m/z: 96.0 Type: quant, RT: 2.55

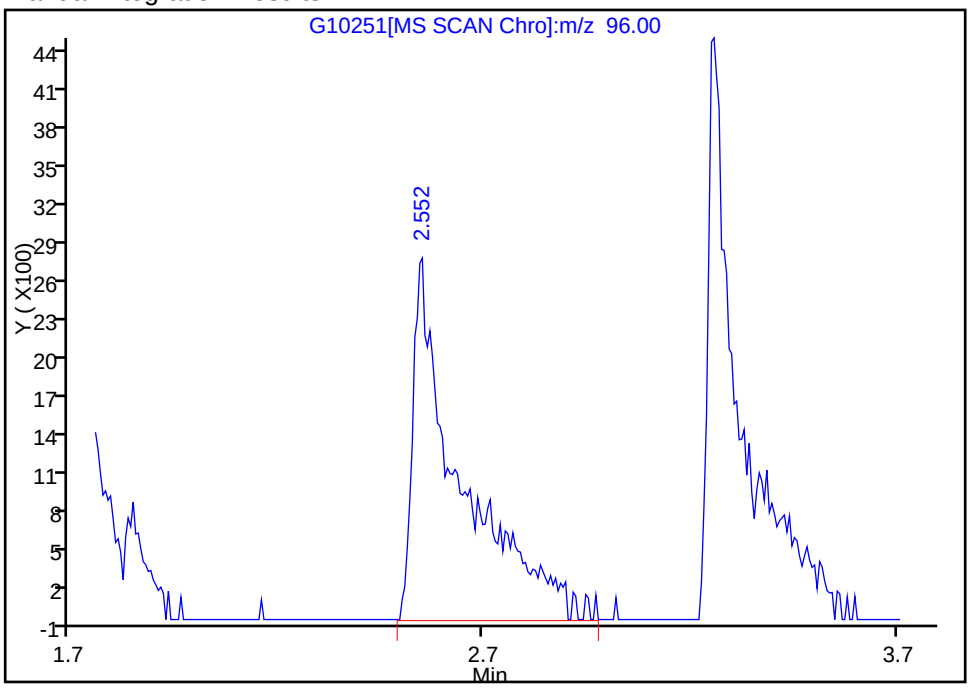
Processing Integration Results

RT: 2.55
Response: 10526
Amount: 3.050717



Manual Integration Results

RT: 2.55
Response: 22103
Amount: 5.761636



Reviewer: coderd, 24-Mar-2012 09:57:32
Audit Action: Manually Integrated
Audit Reason: Split Peak

TestAmerica Laboratories
Target Compound Quantitation Report

Data File: \\Bufchrom\ChromData\HP5973G\20120323-10429.b\G10252.D
Lims ID: STD-3 Client ID:
Inject. Date: 24-Mar-2012 02:21:30 Dil. Factor: 1.0000
Sample Type: IC Calib Level: 3
Sample ID: STD-3
Misc. Info.: 480-0010429-005 =480-0010429-005
Operator: RAL Instrument ID: HP5973G
Vol. Injected: 1.0000 ALS Bottle#: 6
Lims Batch ID: 56586 Lims Sample ID: 5
Sublist: chrom-G-8260*sub1
Detector: MS SCAN

Method: \\Bufchrom\ChromData\HP5973G\20120323-10429.b\G-8260.m
Last Update: 24-Mar-2012 09:58:45 Calib Date: 24-Mar-2012 03:26:30
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\Bufchrom\ChromData\HP5973G\20120323-10429.b\G10255.D
Limit Group: MV - 8260B ICAL
Integrator: RTE ID Type: Deconvolution ID
Process Host: CORP-CTX-19

First Level Reviewer: coderd Date: 24-Mar-2012 09:58:45

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/L	Flags
* 1 1,4-Difluorobenzene	114	5.362	5.362	0.0	96	281796	25.0	
* 2 Chlorobenzene-d5	82	8.221	8.221	0.0	89	149076	25.0	
* 3 1,4-Dichlorobenzene-d4	152	10.630	10.629	0.001	92	130609	25.0	
$ 4 1,2-Dichloroethane-d4 (Surr)	67	4.978	4.984	-0.006	0	21167	9.30	
$ 5 Toluene-d8 (Surr)	98	6.746	6.746	0.0	91	130166	9.01	
$ 6 4-Bromofluorobenzene (Surr)	174	9.477	9.477	0.0	80	33796	8.88	
10 Dichlorodifluoromethane	85	1.229	1.235	-0.006	82	41034	10.4	
12 Chloromethane	50	1.400	1.412	-0.012	86	62357	9.11	
13 Vinyl chloride	62	1.479	1.485	-0.006	69	57922	9.96	
14 Bromomethane	94	1.753	1.753	0.0	82	12662	13.4	
15 Chloroethane	64	1.839	1.838	0.001	69	26955	8.93	
17 Trichlorofluoromethane	101	2.046	2.052	-0.006	87	47460	10.5	
19 Acrolein	56	2.509	2.515	-0.006	98	120526	196.6	
21 1,1,2-Trichloro-1,2,2-trifluoroe	101	2.515	2.515	0.0	31	28984	13.1	M
20 1,1-Dichloroethene	96	2.552	2.552	0.0	92	42888	10.6	M
22 Acetone	43	2.674	2.674	0.0	99	93071	48.2	
23 Iodomethane	142	2.716	2.716	0.0	40	33675	13.3	M
24 Carbon disulfide	76	2.735	2.735	0.0	98	93079	7.70	M
28 Methyl acetate	43	2.954	2.954	0.0	97	66596	9.31	
27 Acetonitrile	40	2.972	2.972	0.0	99	173094	335.4	
29 Methylene Chloride	84	3.058	3.070	-0.012	93	55457	10.1	
31 Methyl tert-butyl ether	73	3.253	3.253	0.0	91	135240	9.82	
32 trans-1,2-Dichloroethene	96	3.259	3.259	0.0	88	47955	10.1	
33 Acrylonitrile	53	3.332	3.332	0.0	99	131919	47.9	
36 1,1-Dichloroethane	63	3.667	3.667	0.0	85	71788	10.7	
38 Vinyl acetate	43	3.728	3.728	0.0	97	565356	50.7	
42 2,2-Dichloropropane	77	4.173	4.180	-0.007	89	27273	10.1	
43 cis-1,2-Dichloroethene	96	4.216	4.216	0.0	69	39356	9.98	
44 2-Butanone (MEK)	43	4.265	4.265	0.0	99	199785	48.8	
48 Chlorobromomethane	128	4.448	4.448	0.0	87	19115	10.6	

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/L	Flags
49 Tetrahydrofuran	42	4.478	4.472	0.006	93	130701	48.4	
50 Chloroform	85	4.527	4.527	0.0	82	41569	9.96	
51 1,1,1-Trichloroethane	97	4.625	4.631	-0.006	80	39612	9.70	
52 Cyclohexane	56	4.625	4.631	-0.006	93	64522	10.2	
53 Carbon tetrachloride	117	4.759	4.765	-0.006	76	33428	11.6	
54 1,1-Dichloropropene	75	4.777	4.777	0.0	92	58952	9.86	
56 Benzene	78	4.978	4.978	0.0	96	182371	10.0	
57 1,2-Dichloroethane	62	5.051	5.051	0.0	90	64266	10.0	
61 Trichloroethene	95	5.582	5.588	-0.006	93	42419	9.87	
62 Methylcyclohexane	83	5.698	5.698	0.0	95	56216	9.85	
63 1,2-Dichloropropane	63	5.826	5.826	0.0	91	49458	10.1	
65 Dibromomethane	93	5.960	5.960	0.0	86	25184	10.1	
67 Dichlorobromomethane	83	6.118	6.118	0.0	90	41945	9.60	
70 2-Chloroethyl vinyl ether	63	6.399	6.399	0.0	92	188703	49.4	
72 cis-1,3-Dichloropropene	75	6.527	6.533	-0.006	87	61660	9.59	
73 4-Methyl-2-pentanone (MIBK)	43	6.685	6.685	0.0	97	385102	50.2	
74 Toluene	92	6.813	6.813	0.0	97	116927	9.96	
76 trans-1,3-Dichloropropene	75	7.100	7.100	0.0	93	56150	9.60	
78 Ethyl methacrylate	69	7.149	7.148	0.0	92	63891	8.28	
79 1,1,2-Trichloroethane	83	7.283	7.283	0.0	94	34336	10.3	
80 Tetrachloroethene	166	7.331	7.337	-0.006	83	41572	10.1	
81 1,3-Dichloropropane	76	7.441	7.441	0.0	97	75764	10.0	
82 2-Hexanone	43	7.520	7.520	0.0	97	289612	49.5	
83 Chlorodibromomethane	129	7.679	7.679	0.0	89	25988	9.53	
84 Ethylene Dibromide	107	7.776	7.776	0.0	98	39478	9.89	
86 Chlorobenzene	112	8.252	8.252	0.0	85	124277	10.0	
89 Ethylbenzene	91	8.343	8.343	0.0	99	220032	10.1	
88 1,1,1,2-Tetrachloroethane	131	8.349	8.349	0.0	84	31106	9.52	
90 m-Xylene & p-Xylene	106	8.465	8.465	0.0	99	170912	20.2	
91 o-Xylene	106	8.892	8.892	0.0	98	80486	10.0	
92 Styrene	104	8.923	8.923	0.001	96	130633	10.0	
93 Bromoform	173	9.173	9.172	0.0	93	12705	9.56	
95 Isopropylbenzene	105	9.276	9.276	0.0	96	214297	10.2	
97 Bromobenzene	156	9.630	9.630	0.0	98	45862	9.94	
98 1,1,2,2-Tetrachloroethane	83	9.697	9.697	0.0	77	61064	10.1	
101 N-Propylbenzene	91	9.715	9.715	0.0	99	262207	10.2	
99 1,2,3-Trichloropropane	110	9.727	9.727	0.0	79	21418	10.4	
100 trans-1,4-Dichloro-2-butene	53	9.746	9.746	0.0	86	77482	36.2	
102 2-Chlorotoluene	126	9.819	9.819	0.0	95	47899	10.1	
104 1,3,5-Trimethylbenzene	105	9.898	9.898	0.0	93	182248	10.3	
105 4-Chlorotoluene	126	9.935	9.935	0.001	98	50937	10.1	
106 tert-Butylbenzene	134	10.215	10.215	0.0	92	38414	10.3	
107 1,2,4-Trimethylbenzene	105	10.270	10.270	0.0	98	183733	10.2	
109 sec-Butylbenzene	105	10.428	10.428	0.0	94	230886	10.3	
110 1,3-Dichlorobenzene	146	10.562	10.562	0.0	96	95148	10.1	
111 4-Isopropyltoluene	119	10.575	10.575	0.0	96	188843	10.3	
113 1,4-Dichlorobenzene	146	10.654	10.654	0.0	91	99829	10.1	
115 n-Butylbenzene	91	10.965	10.965	0.0	97	175253	10.3	
116 1,2-Dichlorobenzene	146	11.008	11.007	0.001	94	93504	10.1	
117 1,2-Dibromo-3-Chloropropane	75	11.751	11.751	0.0	62	10791	10.0	
119 1,2,4-Trichlorobenzene	180	12.422	12.422	0.0	93	64091	11.1	
120 Hexachlorobutadiene	225	12.538	12.532	0.006	93	26142	11.1	

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/L	Flags
121 Naphthalene	128	12.635	12.635	0.0	97	222285	11.6	
122 1,2,3-Trichlorobenzene	180	12.843	12.842	0.001	93	60661	14.1	
S 123 Total BTEX	1				0		60.3	
S 124 Xylenes, Total	1				0		30.2	
S 125 1,2-Dichloroethene, Total	1				0		20.1	
S 126 1,3-Dichloropropene, Total	1				0		19.2	

QC Flag Legend

Review Flags
M - Manually Integrated

Report Date: 24-Mar-2012 09:58:45 Chrom Revision: 2.0 20-Feb-2012 13:27:02

Data File: \\Bufchrom\ChromData\HP5973G\20120323-10429.b\G10252.D

Injection Date: 24-Mar-2012 02:21:30 Limit Group: MV - 8260B ICAL

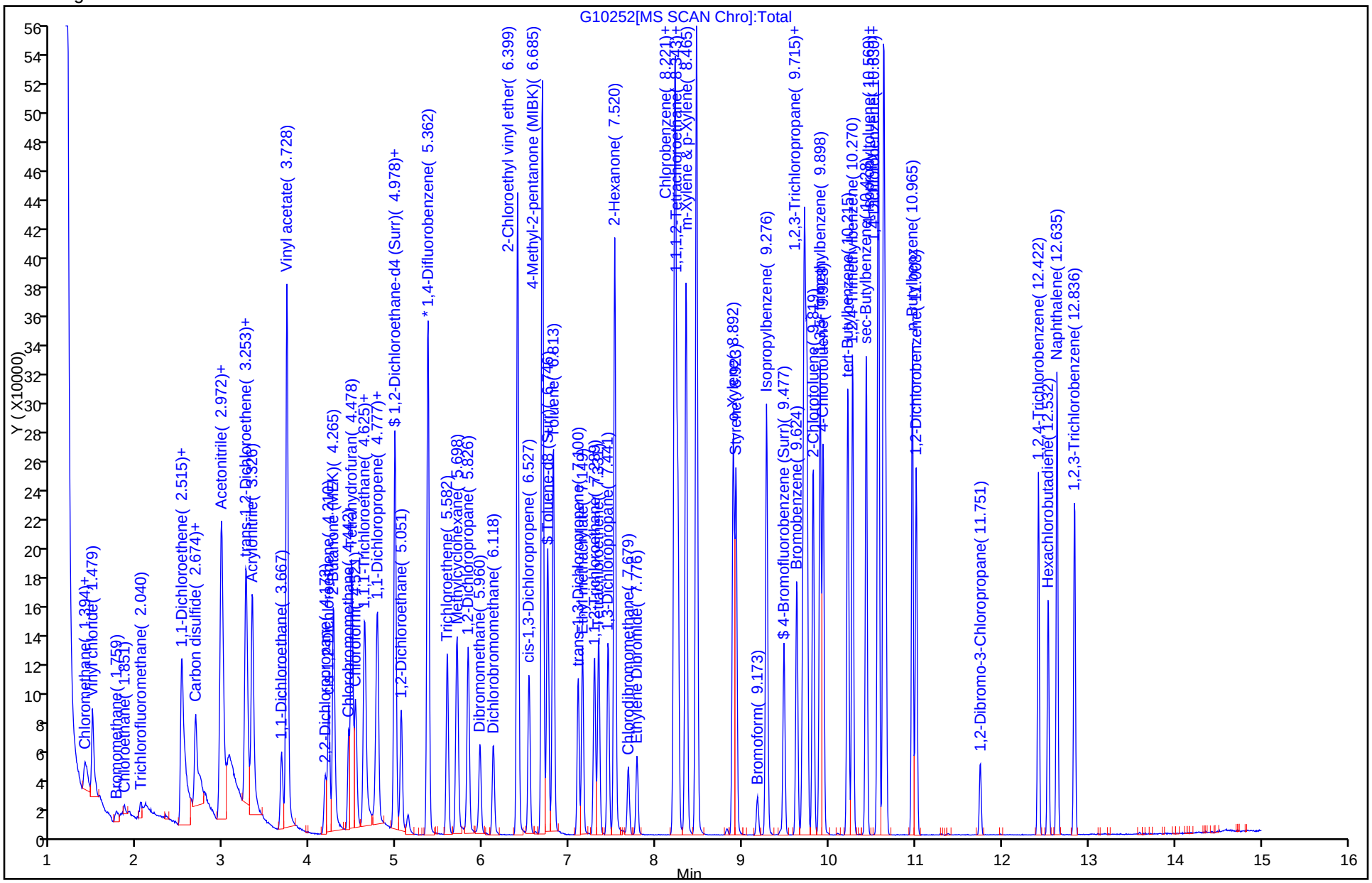
Client ID: Instrument ID: HP5973G

Lims Batch ID: 56586 Lims Sample ID: 5

Operator ID: RAL

Column Type: ZB-624 Column Dia: 0.25 mm

Y Scaling:



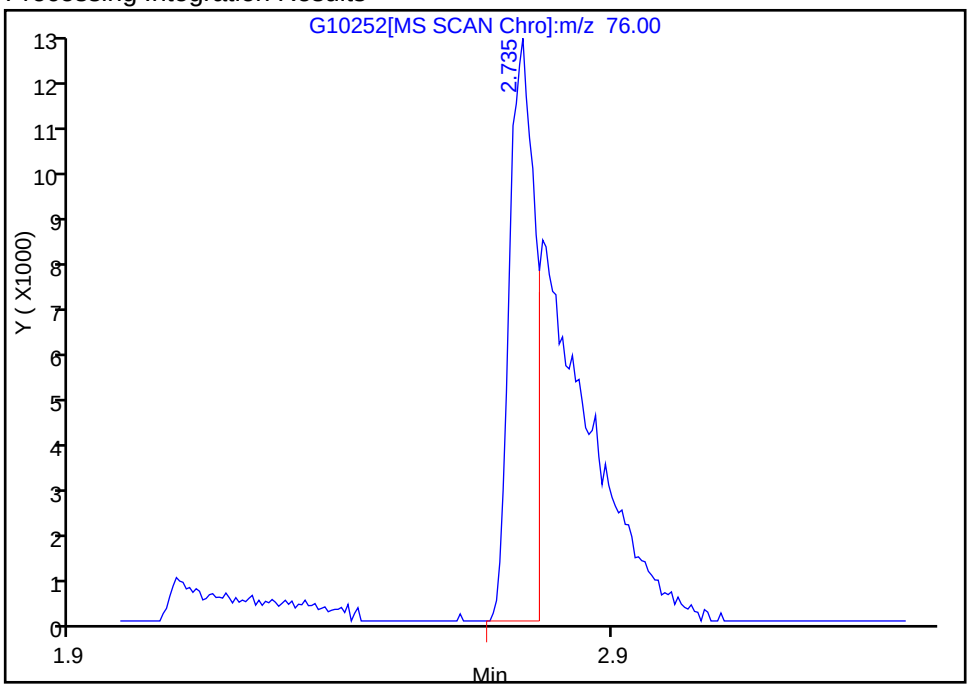
Manual Integration/User Assign Peak Report

Data File:	\\Bufchrom\ChromData\HP5973G\20120323-10429.b\G10252.D		
Injection Date:	24-Mar-2012 02:21:30	Limit Group:	MV - 8260B ICAL
Client ID:		Instrument ID:	HP5973G
Lims Batch ID:	56586	Lims Sample ID:	5
Operator ID:	RAL		
Column Type:	ZB-624	Column Dia:	0.25 mm

24 Carbon disulfide, Signal: 1, m/z: 76.0 Type: quant, RT: 2.73

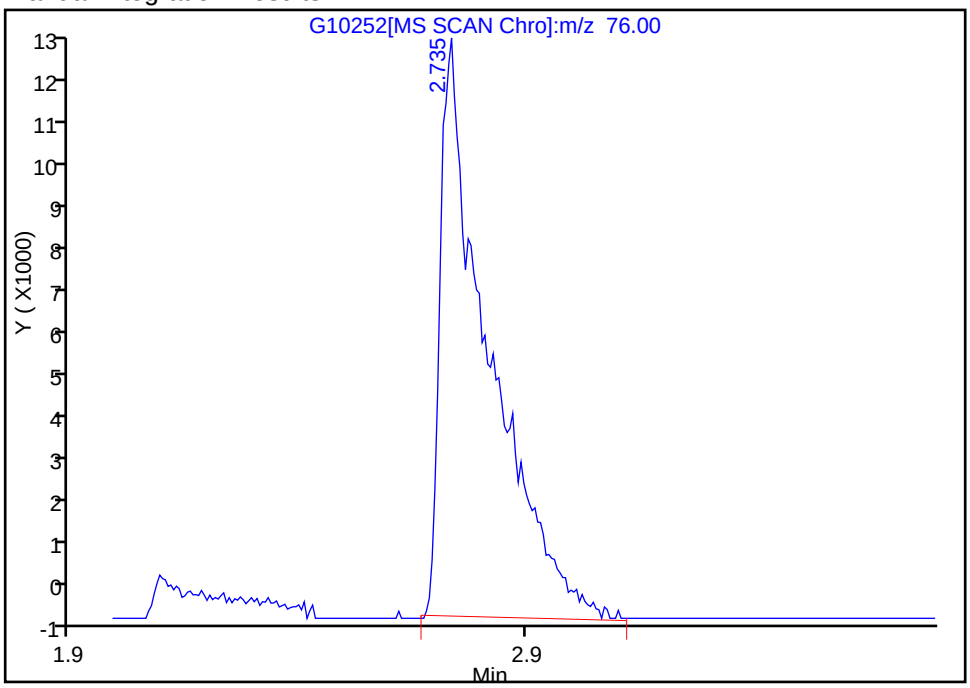
Processing Integration Results

RT: 2.73
Response: 41032
Amount: 4.728587



Manual Integration Results

RT: 2.73
Response: 93079
Amount: 7.699221



Reviewer: coderd, 24-Mar-2012 09:58:45
Audit Action: Manually Integrated
Audit Reason: Split Peak

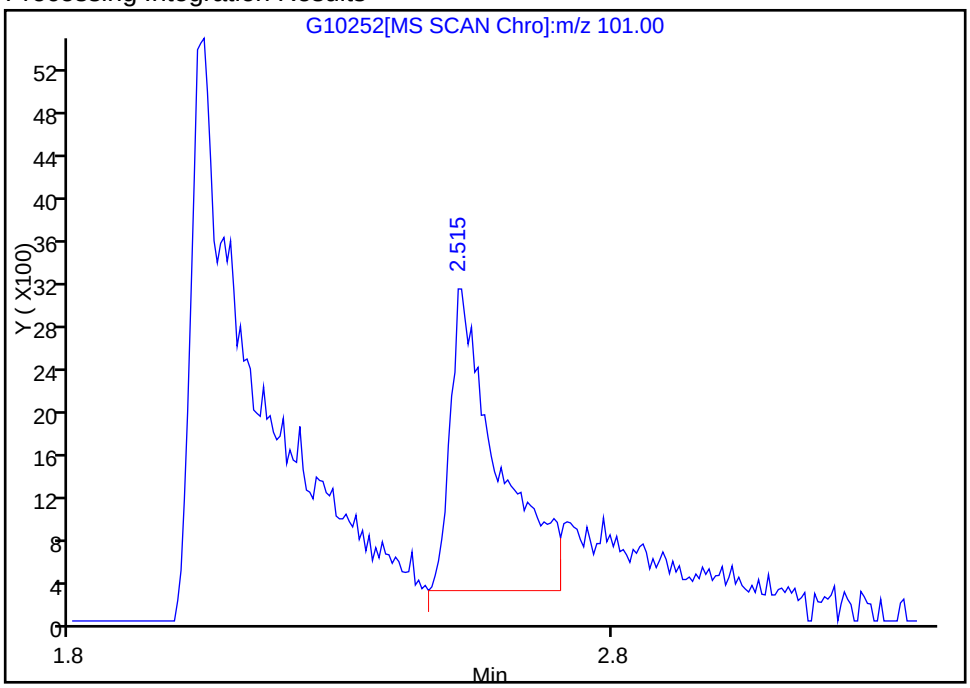
Manual Integration/User Assign Peak Report

Data File:	\\Bufchrom\ChromData\HP5973G\20120323-10429.b\G10252.D		
Injection Date:	24-Mar-2012 02:21:30	Limit Group:	MV - 8260B ICAL
Client ID:		Instrument ID:	HP5973G
Lims Batch ID:	56586	Lims Sample ID:	5
Operator ID:	RAL		
Column Type:	ZB-624	Column Dia:	0.25 mm

21 1,1,2-Trichloro-1,2,2-trifluoroethane, Signal: 1, m/z: 101.0 Type: quant, RT: 2.52

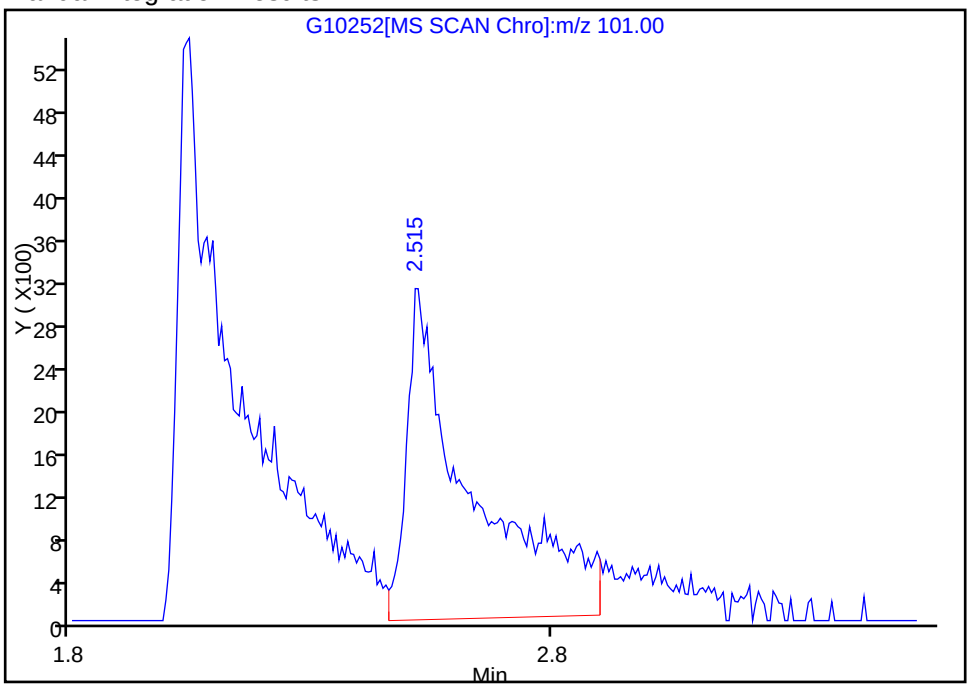
Processing Integration Results

RT: 2.52
Response: 17136
Amount: 8.527496



Manual Integration Results

RT: 2.52
Response: 28984
Amount: 13.132960



Reviewer: coderd, 24-Mar-2012 09:58:18
Audit Action: Manually Integrated
Audit Reason: Split Peak

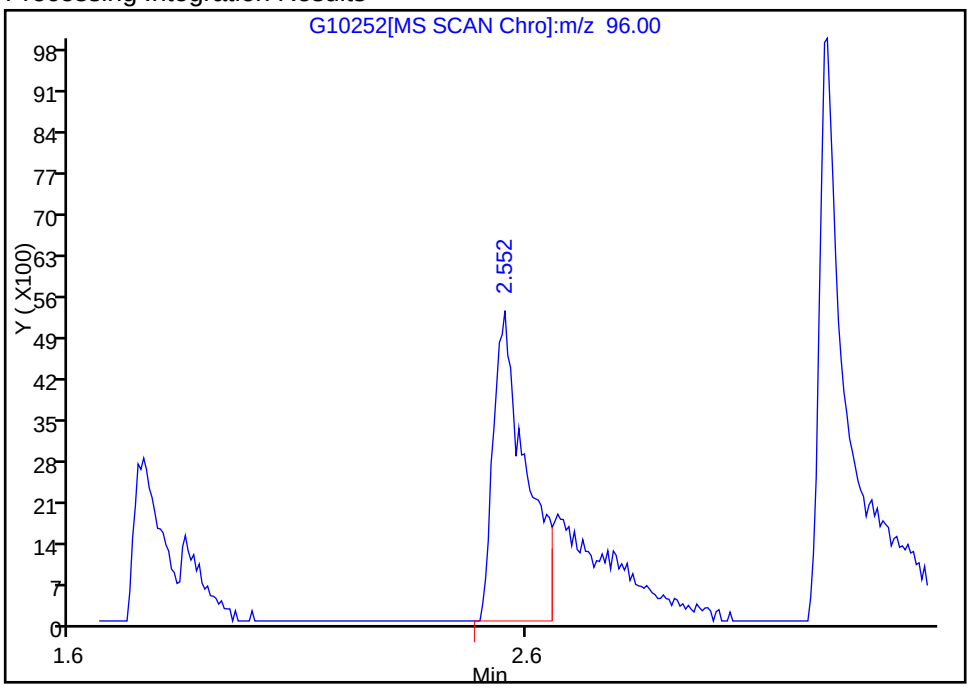
Manual Integration/User Assign Peak Report

Data File:	\\Bufchrom\ChromData\HP5973G\20120323-10429.b\G10252.D		
Injection Date:	24-Mar-2012 02:21:30	Limit Group:	MV - 8260B ICAL
Client ID:		Instrument ID:	HP5973G
Lims Batch ID:	56586	Lims Sample ID:	5
Operator ID:	RAL		
Column Type:	ZB-624	Column Dia:	0.25 mm

20 1,1-Dichloroethene, Signal: 1, m/z: 96.0 Type: quant, RT: 2.55

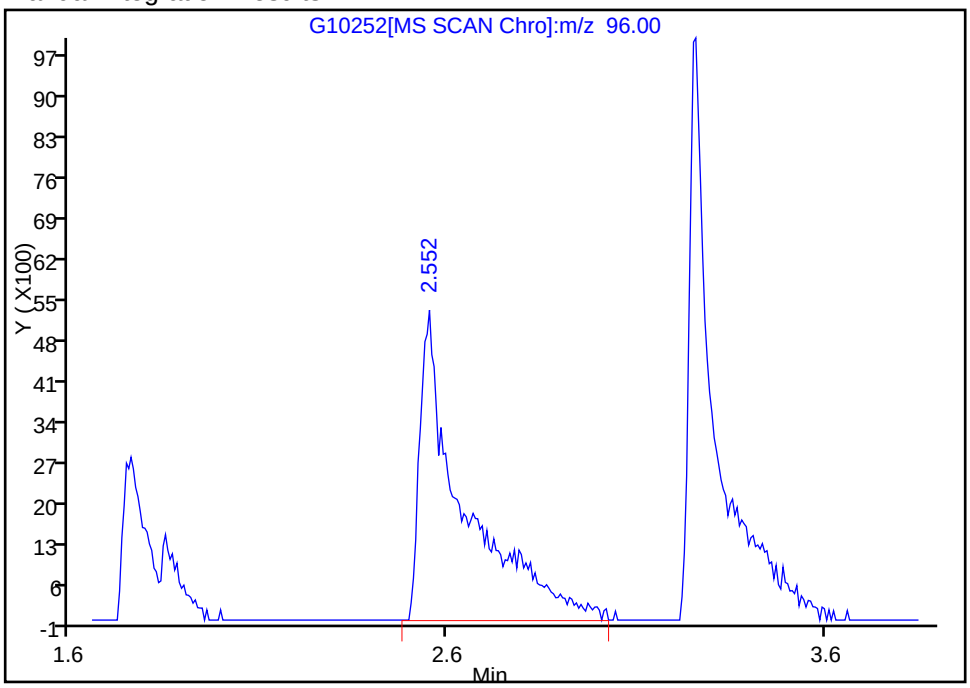
Processing Integration Results

RT: 2.55
Response: 26028
Amount: 6.883610



Manual Integration Results

RT: 2.55
Response: 42888
Amount: 10.557941



Reviewer: coderd, 24-Mar-2012 09:57:58
Audit Action: Manually Integrated
Audit Reason: Split Peak

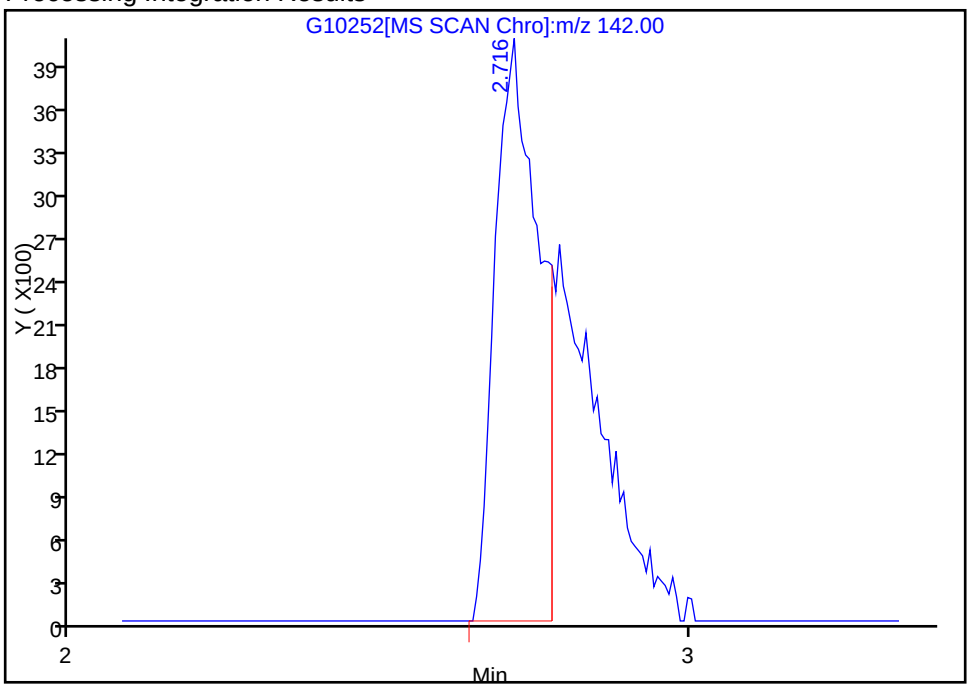
Manual Integration/User Assign Peak Report

Data File: \\Bufchrom\ChromData\HP5973G\20120323-10429.b\G10252.D
Injection Date: 24-Mar-2012 02:21:30 Limit Group: MV - 8260B ICAL
Client ID: Instrument ID: HP5973G
Lims Batch ID: 56586 Lims Sample ID: 5
Operator ID: RAL
Column Type: ZB-624 Column Dia: 0.25 mm

23 Iodomethane, Signal: 1, m/z: 142.0 Type: quant, RT: 2.72

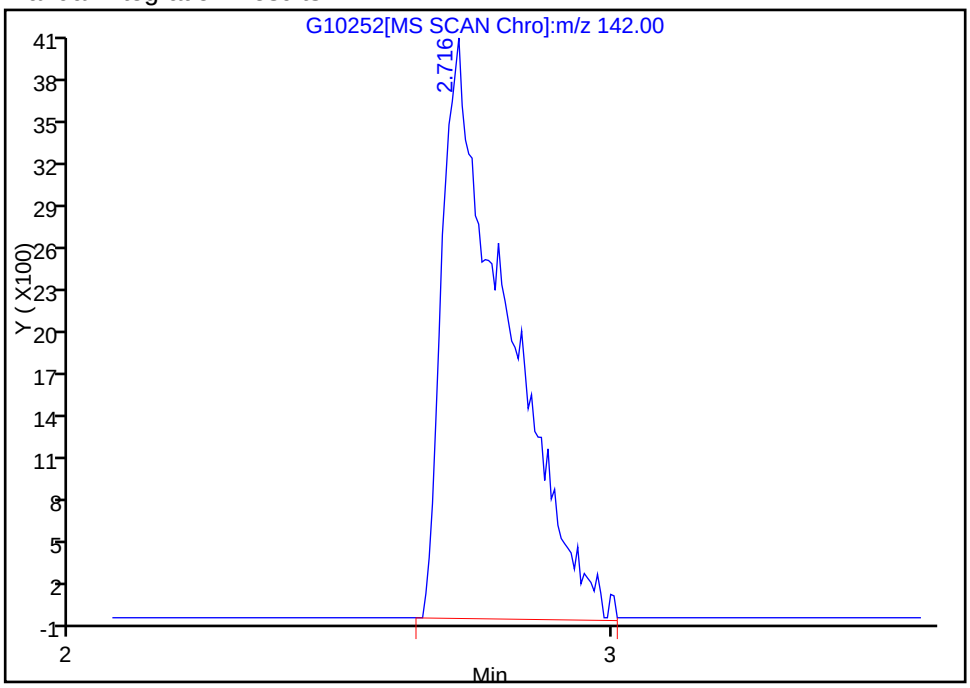
Processing Integration Results

RT: 2.72
Response: 19851
Amount: 10.028751



Manual Integration Results

RT: 2.72
Response: 33675
Amount: 13.258084



Reviewer: coderd, 24-Mar-2012 09:58:45
Audit Action: Manually Integrated
Audit Reason: Split Peak

TestAmerica Laboratories
Target Compound Quantitation Report

Data File: \\Bufchrom\ChromData\HP5973G\20120323-10429.b\G10253.D
Lims ID: STD-4 Client ID:
Inject. Date: 24-Mar-2012 02:43:30 Dil. Factor: 1.0000
Sample Type: ICIS Calib Level: 4
Sample ID: STD-4
Misc. Info.: 480-0010429-006 =480-0010429-006
Operator: RAL Instrument ID: HP5973G
Vol. Injected: 1.0000 ALS Bottle#: 7
Lims Batch ID: 56586 Lims Sample ID: 6
Sublist: chrom-G-8260*sub1
Detector: MS SCAN

Method: \\Bufchrom\ChromData\HP5973G\20120323-10429.b\G-8260.m
Last Update: 24-Mar-2012 10:01:11 Calib Date: 24-Mar-2012 03:26:30
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\Bufchrom\ChromData\HP5973G\20120323-10429.b\G10255.D
Limit Group: MV - 8260B ICAL
Integrator: RTE ID Type: Deconvolution ID
Process Host: CORP-CTX-19

First Level Reviewer: coderd Date: 24-Mar-2012 09:53:21

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/L	Flags
* 1 1,4-Difluorobenzene	114	5.362	5.362	0.0	96	289861	25.0	
* 2 Chlorobenzene-d5	82	8.221	8.221	0.0	87	154767	25.0	
* 3 1,4-Dichlorobenzene-d4	152	10.629	10.629	0.0	78	133614	25.0	
$ 4 1,2-Dichloroethane-d4 (Surr)	67	4.984	4.984	0.0	0	60333	25.8	
$ 5 Toluene-d8 (Surr)	98	6.746	6.746	0.0	92	407638	27.2	
$ 6 4-Bromofluorobenzene (Surr)	174	9.477	9.477	0.0	82	103767	26.3	
10 Dichlorodifluoromethane	85	1.235	1.235	0.0	87	95373	23.5	
12 Chloromethane	50	1.412	1.412	0.0	89	156493	22.2	
13 Vinyl chloride	62	1.491	1.491	0.0	67	141532	23.7	
14 Bromomethane	94	1.759	1.759	0.0	88	25737	26.4	
15 Chloroethane	64	1.906	1.906	0.0	0	76435	24.6	M
17 Trichlorofluoromethane	101	2.052	2.052	0.0	90	118299	25.3	
19 Acrolein	56	2.515	2.515	0.0	98	327036	518.5	
21 1,1,2-Trichloro-1,2,2-trifluoroe	101	2.527	2.527	0.0	39	74409	23.2	M
20 1,1-Dichloroethene	96	2.552	2.552	0.0	87	103536	23.8	
22 Acetone	43	2.674	2.674	0.0	100	241411	121.5	
23 Iodomethane	142	2.716	2.716	0.0	98	83784	23.8	M
24 Carbon disulfide	76	2.741	2.741	0.0	98	229399	18.4	
28 Methyl acetate	43	2.954	2.954	0.0	97	182634	24.8	
27 Acetonitrile	40	2.972	2.972	0.0	99	496555	935.3	
29 Methylene Chloride	84	3.070	3.070	0.0	87	135034	23.9	
31 Methyl tert-butyl ether	73	3.253	3.253	0.0	92	344597	24.3	
32 trans-1,2-Dichloroethene	96	3.259	3.259	0.0	61	120351	24.7	
33 Acrylonitrile	53	3.332	3.332	0.0	99	344045	121.4	
36 1,1-Dichloroethane	63	3.667	3.667	0.0	85	172171	25.0	
38 Vinyl acetate	43	3.728	3.728	0.0	97	1499588	130.8	
42 2,2-Dichloropropane	77	4.180	4.180	0.0	93	68623	24.8	
43 cis-1,2-Dichloroethene	96	4.216	4.216	0.0	70	104288	25.7	
44 2-Butanone (MEK)	43	4.265	4.265	0.0	99	522645	124.1	
48 Chlorobromomethane	128	4.448	4.448	0.0	90	45847	24.7	

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/L	Flags
49 Tetrahydrofuran	42	4.472	4.472	0.0	93	350141	126.0	
50 Chloroform	85	4.527	4.527	0.0	82	106910	24.9	
51 1,1,1-Trichloroethane	97	4.631	4.631	0.0	90	98879	23.5	
52 Cyclohexane	56	4.631	4.631	0.0	93	152157	23.4	
53 Carbon tetrachloride	117	4.759	4.759	0.0	87	87494	26.4	
54 1,1-Dichloropropene	75	4.777	4.777	0.0	93	151546	24.6	
56 Benzene	78	4.978	4.978	0.0	97	457476	24.4	
57 1,2-Dichloroethane	62	5.051	5.051	0.0	90	164430	25.0	
61 Trichloroethene	95	5.588	5.588	0.0	98	108132	24.5	
62 Methylcyclohexane	83	5.698	5.698	0.0	96	134280	22.9	
63 1,2-Dichloropropane	63	5.826	5.826	0.0	93	124813	24.8	
65 Dibromomethane	93	5.960	5.960	0.0	87	62670	24.4	
67 Dichlorobromomethane	83	6.118	6.118	0.0	92	112305	25.0	
70 2-Chloroethyl vinyl ether	63	6.399	6.399	0.0	92	503797	128.3	
72 cis-1,3-Dichloropropene	75	6.533	6.533	0.0	88	166641	25.2	
73 4-Methyl-2-pentanone (MIBK)	43	6.685	6.685	0.0	97	1012500	127.2	
74 Toluene	92	6.813	6.813	0.0	98	296484	24.3	
76 trans-1,3-Dichloropropene	75	7.100	7.100	0.0	93	152383	25.1	
78 Ethyl methacrylate	69	7.148	7.148	0.0	92	174148	21.7	
79 1,1,2-Trichloroethane	83	7.283	7.283	0.0	88	84353	24.4	
80 Tetrachloroethene	166	7.337	7.337	0.0	83	103591	24.3	
81 1,3-Dichloropropane	76	7.441	7.441	0.0	97	193063	24.6	
82 2-Hexanone	43	7.520	7.520	0.0	97	770348	126.9	
83 Chlorodibromomethane	129	7.679	7.679	0.0	89	71608	23.8	
84 Ethylene Dibromide	107	7.776	7.776	0.0	98	101465	24.5	
86 Chlorobenzene	112	8.252	8.252	0.0	90	312402	24.2	
89 Ethylbenzene	91	8.343	8.343	0.0	99	553675	24.5	
88 1,1,1,2-Tetrachloroethane	131	8.349	8.349	0.0	86	82701	24.4	
90 m-Xylene & p-Xylene	106	8.465	8.465	0.0	99	434006	49.4	
91 o-Xylene	106	8.892	8.892	0.0	98	207668	24.9	
92 Styrene	104	8.923	8.923	0.0	96	343413	25.4	
93 Bromoform	173	9.172	9.172	0.0	95	36438	23.6	
95 Isopropylbenzene	105	9.276	9.276	0.0	96	544059	25.3	
97 Bromobenzene	156	9.630	9.630	0.0	98	118519	25.1	
98 1,1,2,2-Tetrachloroethane	83	9.697	9.697	0.0	75	152463	24.6	
101 N-Propylbenzene	91	9.715	9.715	0.0	98	671505	25.6	
99 1,2,3-Trichloropropane	110	9.727	9.727	0.0	79	51465	24.5	
100 trans-1,4-Dichloro-2-butene	53	9.746	9.746	0.0	85	226149	103.3	
102 2-Chlorotoluene	126	9.819	9.819	0.0	95	122044	25.2	
104 1,3,5-Trimethylbenzene	105	9.898	9.898	0.0	93	459730	25.4	
105 4-Chlorotoluene	126	9.935	9.935	0.0	96	128864	25.0	
106 tert-Butylbenzene	134	10.215	10.215	0.0	93	96787	25.4	
107 1,2,4-Trimethylbenzene	105	10.270	10.270	0.0	97	467257	25.4	
109 sec-Butylbenzene	105	10.428	10.428	0.0	95	574669	25.1	
110 1,3-Dichlorobenzene	146	10.562	10.562	0.0	96	238097	24.7	
111 4-Isopropyltoluene	119	10.575	10.575	0.0	96	480037	25.5	
113 1,4-Dichlorobenzene	146	10.654	10.654	0.0	92	252070	24.9	
115 n-Butylbenzene	91	10.965	10.965	0.0	98	446889	25.6	
116 1,2-Dichlorobenzene	146	11.007	11.007	0.0	95	233811	24.7	
117 1,2-Dibromo-3-Chloropropane	75	11.751	11.751	0.0	73	27986	25.3	
119 1,2,4-Trichlorobenzene	180	12.422	12.422	0.0	93	145261	24.6	
120 Hexachlorobutadiene	225	12.532	12.532	0.0	95	57151	23.6	

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/L	Flags
121 Naphthalene	128	12.635	12.635	0.0	97	493345	25.2	
122 1,2,3-Trichlorobenzene	180	12.842	12.842	0.0	93	127977	29.2	
S 123 Total BTEX	1				0		147.6	
S 124 Xylenes, Total	1				0		74.3	
S 125 1,2-Dichloroethene, Total	1				0		50.5	
S 126 1,3-Dichloropropene, Total	1				0		50.3	

QC Flag Legend

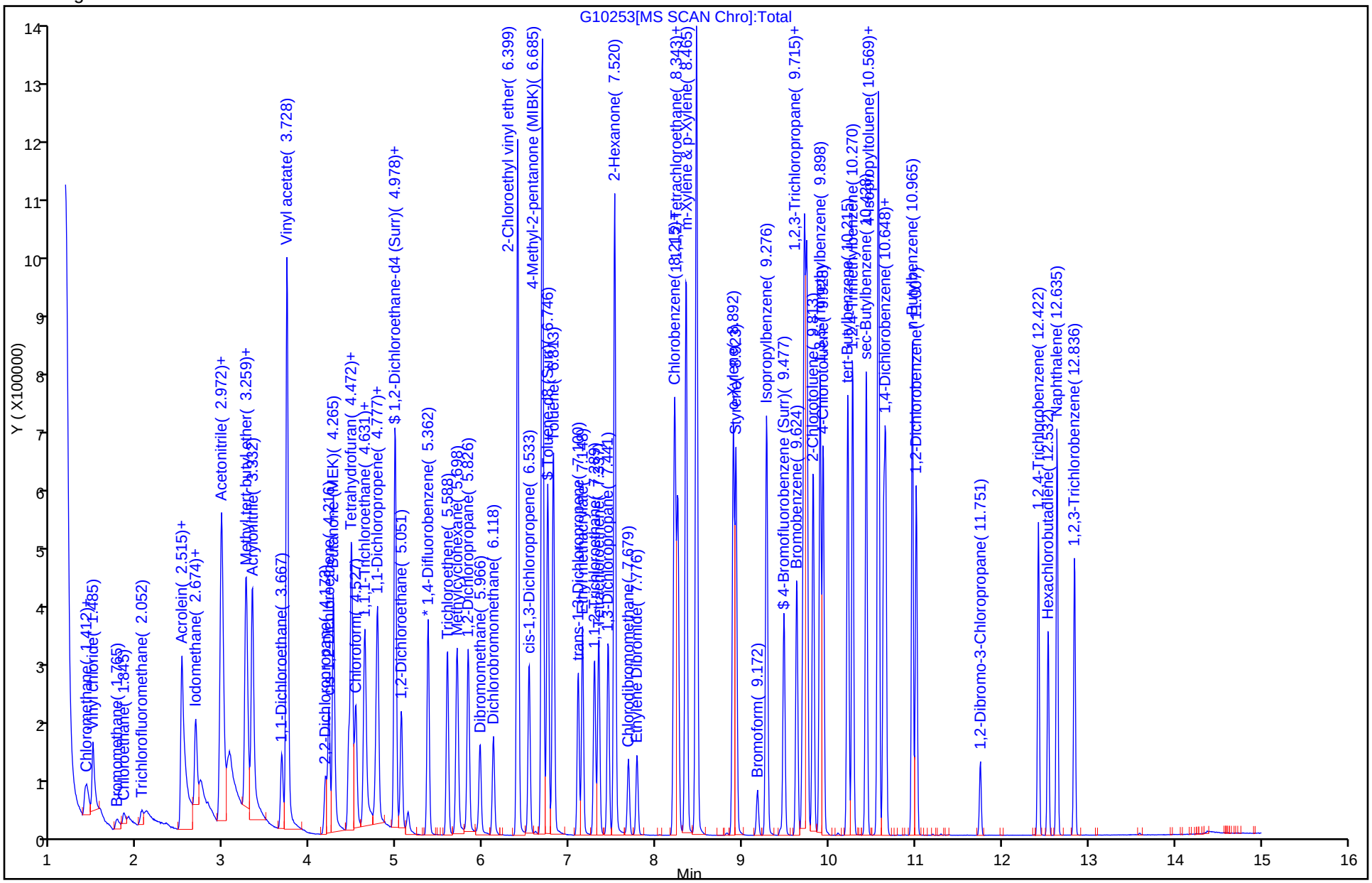
Review Flags
M - Manually Integrated

Report Date: 24-Mar-2012 10:01:11 Chrom Revision: 2.0 20-Feb-2012 13:27:02

Data File: \\Bufchrom\ChromData\HP5973G\20120323-10429.b\G10253.D

Injection Date:	24-Mar-2012 02:43:30	Limit Group:	MV - 8260B ICAL
Client ID:		Instrument ID:	HP5973G
Lims Batch ID:	56586	Lims Sample ID:	6
Operator ID:	RAL		
Column Type:	ZB-624	Column Dia:	0.25 mm

Y Scaling:



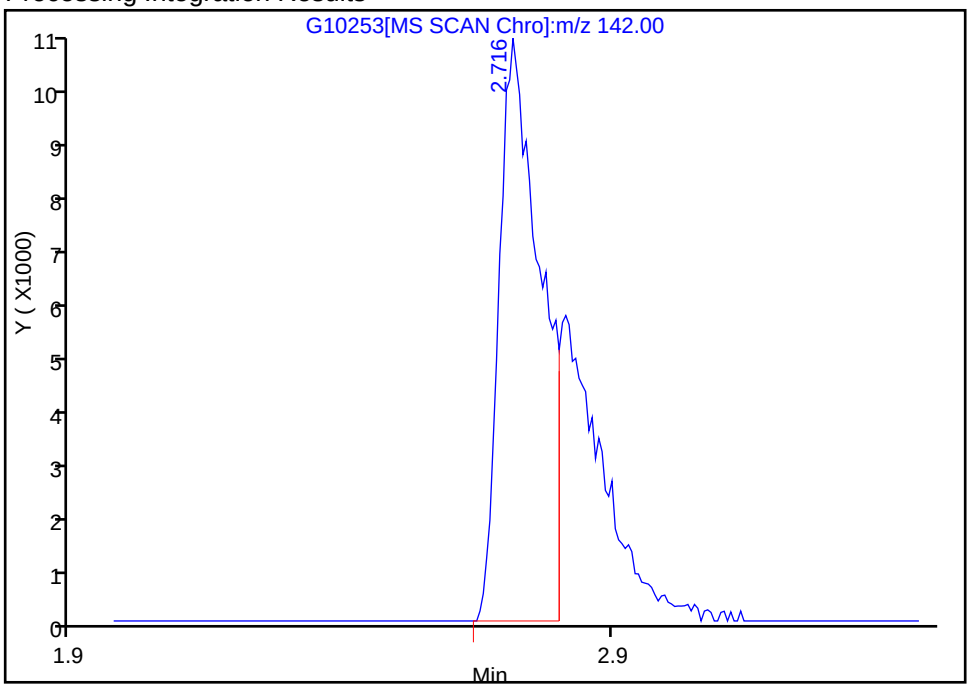
Manual Integration/User Assign Peak Report

Data File:	\\Bufchrom\ChromData\HP5973G\20120323-10429.b\G10253.D		
Injection Date:	24-Mar-2012 02:43:30	Limit Group:	MV - 8260B ICAL
Client ID:		Instrument ID:	HP5973G
Lims Batch ID:	56586	Lims Sample ID:	6
Operator ID:	RAL		
Column Type:	ZB-624	Column Dia:	0.25 mm

23 Iodomethane, Signal: 1, m/z: 142.0 Type: quant, RT: 2.72

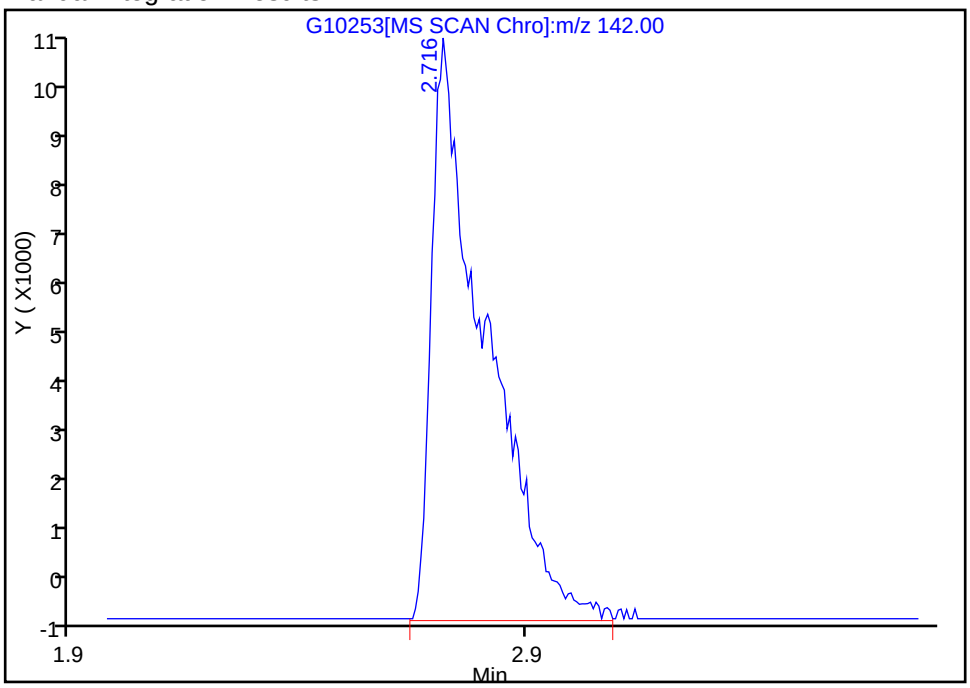
Processing Integration Results

RT: 2.72
Response: 54533
Amount: 18.343753



Manual Integration Results

RT: 2.72
Response: 83784
Amount: 23.814113



Reviewer: coderd, 24-Mar-2012 10:01:11
Audit Action: Manually Integrated
Audit Reason: Split Peak

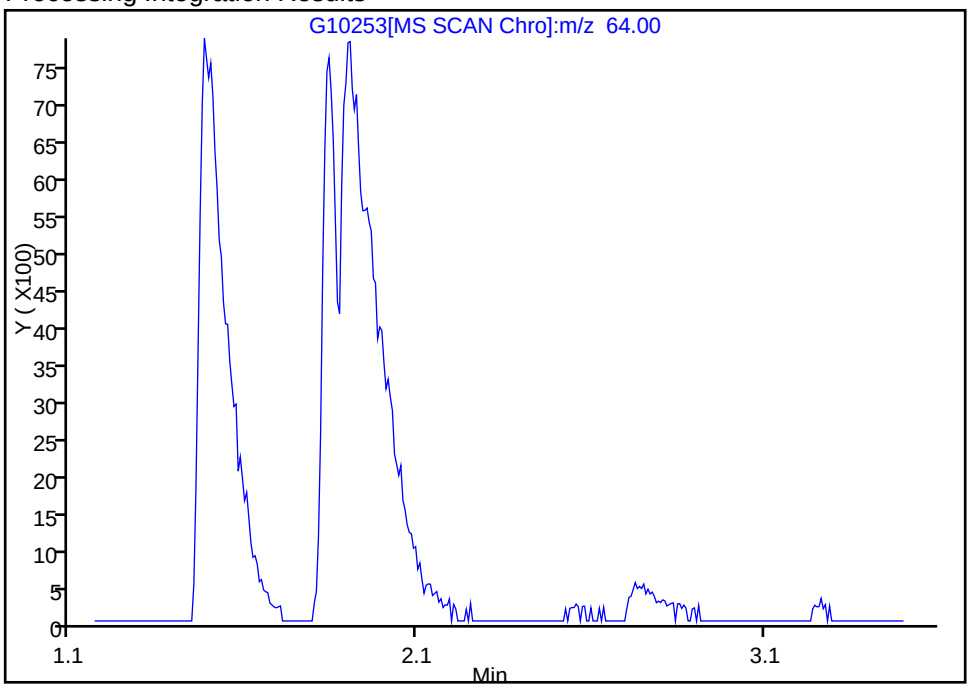
Manual Integration/User Assign Peak Report

Data File: \\Bufchrom\ChromData\HP5973G\20120323-10429.b\G10253.D
Injection Date: 24-Mar-2012 02:43:30 Limit Group: MV - 8260B ICAL
Client ID: Instrument ID: HP5973G
Lims Batch ID: 56586 Lims Sample ID: 6
Operator ID: RAL
Column Type: ZB-624 Column Dia: 0.25 mm

15 Chloroethane, Signal: 1, m/z: 64.0 Type: quant, RT: 1.91

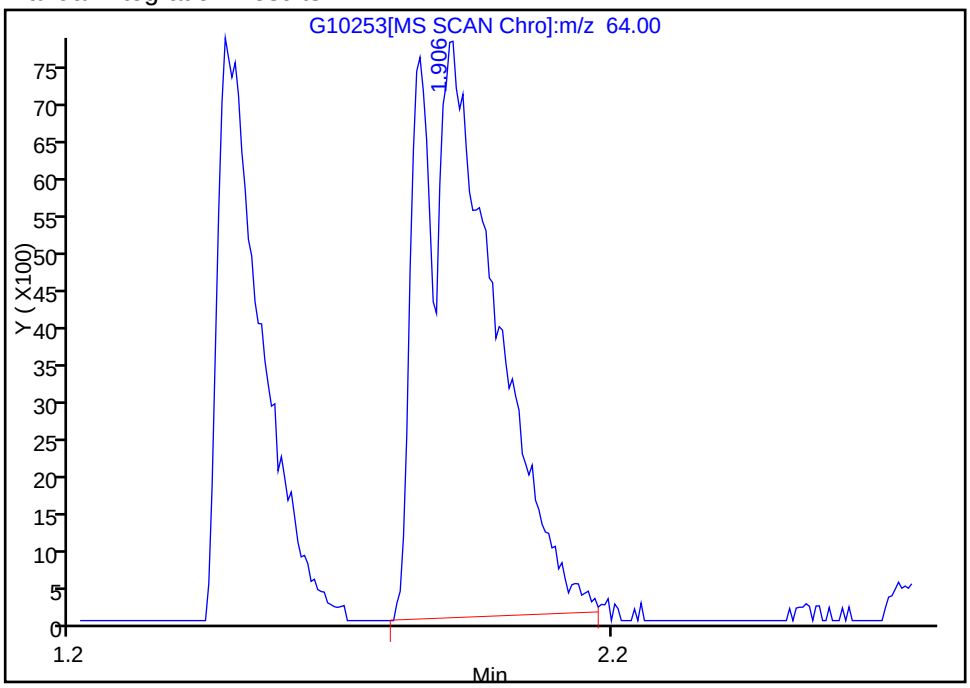
Not Detected
Expected RT: 1.91

Processing Integration Results



Manual Integration Results

RT: 1.91
Response: 76435
Amount: 24.618164



Reviewer: coderd, 24-Mar-2012 09:53:21
Audit Action: Manually Integrated
Audit Reason: Assign Peak

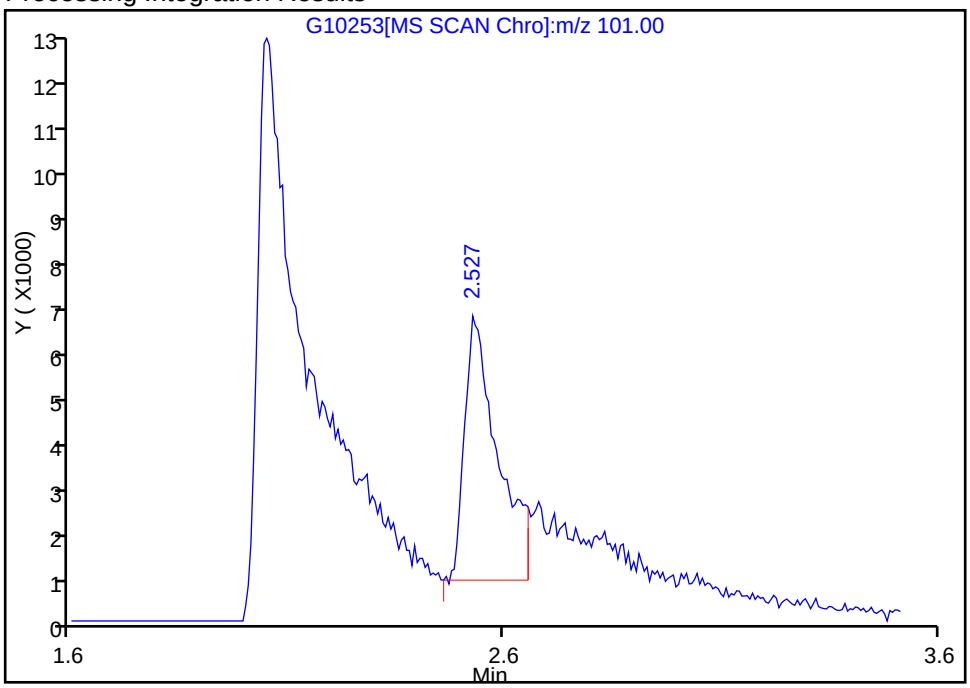
Manual Integration/User Assign Peak Report

Data File:	\\Bufchrom\ChromData\HP5973G\20120323-10429.b\G10253.D		
Injection Date:	24-Mar-2012 02:43:30	Limit Group:	MV - 8260B ICAL
Client ID:		Instrument ID:	HP5973G
Lims Batch ID:	56586	Lims Sample ID:	6
Operator ID:	RAL		
Column Type:	ZB-624	Column Dia:	0.25 mm

21 1,1,2-Trichloro-1,2,2-trifluoroethane, Signal: 1, m/z: 101.0 Type: quant, RT: 2.53

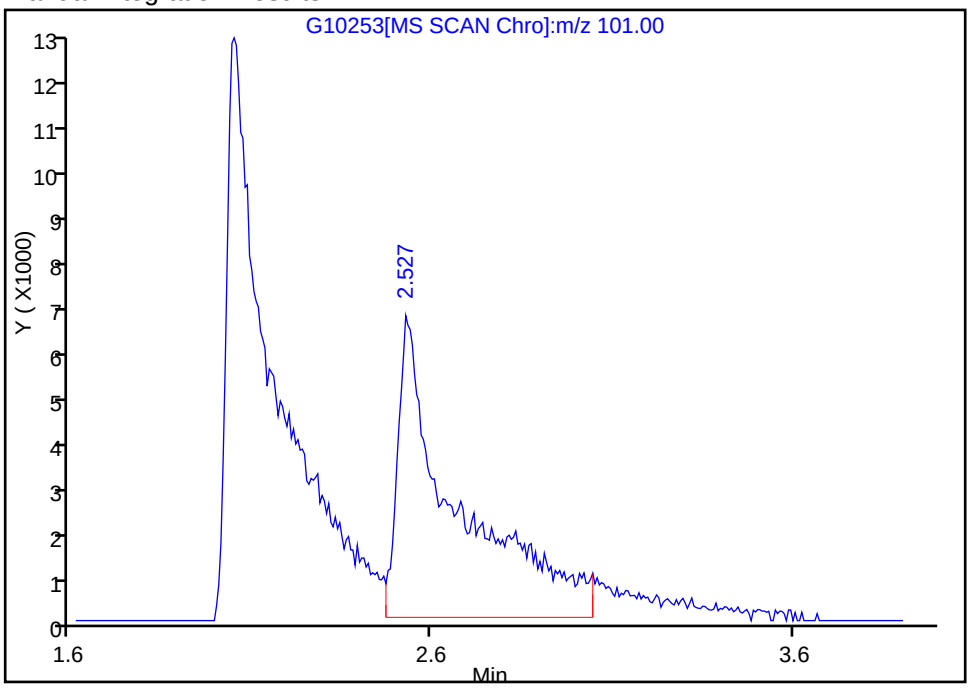
Processing Integration Results

RT: 2.53
Response: 30805
Amount: 20.025106



Manual Integration Results

RT: 2.53
Response: 74409
Amount: 23.181646



Reviewer: coderd, 24-Mar-2012 09:53:21
Audit Action: Manually Integrated
Audit Reason: Assign Peak

TestAmerica Laboratories
Target Compound Quantitation Report

Data File: \\Bufchrom\ChromData\HP5973G\20120323-10429.b\G10254.D
Lims ID: STD-5 Client ID:
Inject. Date: 24-Mar-2012 03:05:30 Dil. Factor: 1.0000
Sample Type: IC Calib Level: 5
Sample ID: STD-5
Misc. Info.: 480-0010429-007 =480-0010429-007
Operator: RAL Instrument ID: HP5973G
Vol. Injected: 1.0000 ALS Bottle#: 8
Lims Batch ID: 56586 Lims Sample ID: 7
Sublist: chrom-G-8260*sub1
Detector: MS SCAN

Method: \\Bufchrom\ChromData\HP5973G\20120323-10429.b\G-8260.m
Last Update: 24-Mar-2012 09:59:27 Calib Date: 24-Mar-2012 03:26:30
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\Bufchrom\ChromData\HP5973G\20120323-10429.b\G10255.D
Limit Group: MV - 8260B ICAL
Integrator: RTE ID Type: Deconvolution ID
Process Host: CORP-CTX-19

First Level Reviewer: coderd Date: 24-Mar-2012 09:59:27

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/L	Flags
* 1 1,4-Difluorobenzene	114	5.362	5.362	0.0	96	296300	25.0	
* 2 Chlorobenzene-d5	82	8.221	8.221	0.0	87	156243	25.0	
* 3 1,4-Dichlorobenzene-d4	152	10.630	10.629	0.001	69	135517	25.0	
$ 4 1,2-Dichloroethane-d4 (Surr)	67	4.984	4.984	0.0	0	126186	52.7	
$ 5 Toluene-d8 (Surr)	98	6.746	6.746	0.0	91	814055	53.8	
$ 6 4-Bromofluorobenzene (Surr)	174	9.477	9.477	0.0	82	214436	53.7	
10 Dichlorodifluoromethane	85	1.241	1.235	0.006	98	201616	48.6	
12 Chloromethane	50	1.412	1.412	0.0	89	397795	55.3	
13 Vinyl chloride	62	1.497	1.491	0.006	69	300708	49.2	
14 Bromomethane	94	1.772	1.759	0.013	88	50522	50.8	
15 Chloroethane	64	1.845	1.906	-0.061	94	151610	47.8	
17 Trichlorofluoromethane	101	2.052	2.052	0.0	81	245384	51.4	
19 Acrolein	56	2.515	2.515	0.0	98	680727	1055.9	
21 1,1,2-Trichloro-1,2,2-trifluoroe	101	2.527	2.527	0.0	49	151627	54.6	M
20 1,1-Dichloroethene	96	2.552	2.552	0.0	91	225933	50.7	M
22 Acetone	43	2.674	2.674	0.0	100	527053	259.4	
23 Iodomethane	142	2.716	2.716	0.0	98	193859	64.3	M
24 Carbon disulfide	76	2.741	2.741	0.0	100	584582	46.0	
28 Methyl acetate	43	2.954	2.954	0.0	97	385259	51.2	
27 Acetonitrile	40	2.979	2.972	0.007	99	1124892	2072.8	
29 Methylene Chloride	84	3.070	3.070	0.0	86	275845	47.8	
31 Methyl tert-butyl ether	73	3.259	3.253	0.006	93	757102	52.3	
32 trans-1,2-Dichloroethene	96	3.259	3.259	0.0	92	259048	52.1	
33 Acrylonitrile	53	3.332	3.332	0.0	100	794154	274.1	
36 1,1-Dichloroethane	63	3.667	3.667	0.0	85	377491	53.7	
38 Vinyl acetate	43	3.728	3.728	0.0	97	3207345	273.7	
42 2,2-Dichloropropane	77	4.180	4.180	0.0	95	140989	49.8	
43 cis-1,2-Dichloroethene	96	4.216	4.216	0.0	71	216032	52.1	
44 2-Butanone (MEK)	43	4.265	4.265	0.0	99	1158029	269.1	
48 Chlorobromomethane	128	4.448	4.448	0.0	87	95622	50.5	

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/L	Flags
49 Tetrahydrofuran	42	4.472	4.472	0.0	92	765759	269.6	
50 Chloroform	85	4.527	4.527	0.0	82	220509	50.3	
51 1,1,1-Trichloroethane	97	4.631	4.631	0.0	91	229863	53.5	
52 Cyclohexane	56	4.631	4.631	0.0	93	341441	51.3	
53 Carbon tetrachloride	117	4.765	4.759	0.006	70	192807	48.8	
54 1,1-Dichloropropene	75	4.777	4.777	0.0	92	318247	50.6	
56 Benzene	78	4.984	4.978	0.006	96	954274	49.8	
57 1,2-Dichloroethane	62	5.051	5.051	0.0	90	333185	49.5	
61 Trichloroethene	95	5.588	5.588	0.0	98	227655	50.4	
62 Methylcyclohexane	83	5.698	5.698	0.0	96	331316	55.2	
63 1,2-Dichloropropane	63	5.826	5.826	0.0	93	265096	51.6	
65 Dibromomethane	93	5.960	5.960	0.0	85	134798	51.4	
67 Dichlorobromomethane	83	6.118	6.118	0.0	93	252665	55.0	
70 2-Chloroethyl vinyl ether	63	6.399	6.399	0.0	92	1115470	278.0	
72 cis-1,3-Dichloropropene	75	6.533	6.533	0.0	89	365368	54.1	
73 4-Methyl-2-pentanone (MIBK)	43	6.685	6.685	0.0	96	2178358	271.0	
74 Toluene	92	6.813	6.813	0.0	98	627260	51.0	
76 trans-1,3-Dichloropropene	75	7.100	7.100	0.0	92	339407	55.4	
78 Ethyl methacrylate	69	7.149	7.148	0.0	92	405514	50.2	
79 1,1,2-Trichloroethane	83	7.289	7.283	0.006	88	178502	51.2	
80 Tetrachloroethene	166	7.337	7.337	0.0	83	220642	51.3	
81 1,3-Dichloropropane	76	7.447	7.441	0.006	95	408176	51.4	
82 2-Hexanone	43	7.520	7.520	0.0	96	1692055	276.0	
83 Chlorodibromomethane	129	7.679	7.679	0.0	89	172549	51.0	
84 Ethylene Dibromide	107	7.776	7.776	0.0	98	223205	53.3	
86 Chlorobenzene	112	8.252	8.252	0.0	90	654735	50.3	
89 Ethylbenzene	91	8.343	8.343	0.0	99	1157898	50.8	
88 1,1,1,2-Tetrachloroethane	131	8.349	8.349	0.0	88	185699	54.2	
90 m-Xylene & p-Xylene	106	8.471	8.465	0.006	99	915228	103.2	
91 o-Xylene	106	8.892	8.892	0.0	98	437715	52.1	
92 Styrene	104	8.923	8.923	0.001	96	730111	53.5	
93 Bromoform	173	9.172	9.172	0.0	95	95472	50.9	
95 Isopropylbenzene	105	9.276	9.276	0.0	96	1133029	51.9	
97 Bromobenzene	156	9.630	9.630	0.0	98	250131	52.3	
98 1,1,2,2-Tetrachloroethane	83	9.697	9.697	0.0	81	326679	52.0	
101 N-Propylbenzene	91	9.715	9.715	0.0	99	1417716	53.2	
99 1,2,3-Trichloropropane	110	9.727	9.727	0.0	75	106756	50.1	
100 trans-1,4-Dichloro-2-butene	53	9.746	9.746	0.0	90	550410	247.9	
102 2-Chlorotoluene	126	9.819	9.819	0.0	95	254441	51.7	
104 1,3,5-Trimethylbenzene	105	9.898	9.898	0.0	93	958969	52.2	
105 4-Chlorotoluene	126	9.935	9.935	0.001	90	272623	52.1	
106 tert-Butylbenzene	134	10.221	10.215	0.006	92	197377	51.1	
107 1,2,4-Trimethylbenzene	105	10.276	10.270	0.006	97	962054	51.6	
109 sec-Butylbenzene	105	10.428	10.428	0.0	95	1194022	51.4	
110 1,3-Dichlorobenzene	146	10.562	10.562	0.0	94	498433	51.0	
111 4-Isopropyltoluene	119	10.575	10.575	0.0	96	983270	51.6	
113 1,4-Dichlorobenzene	146	10.654	10.654	0.0	93	522433	50.8	
115 n-Butylbenzene	91	10.965	10.965	0.0	97	927521	52.3	
116 1,2-Dichlorobenzene	146	11.008	11.007	0.001	94	476685	49.7	
117 1,2-Dibromo-3-Chloropropane	75	11.751	11.751	0.0	78	56921	50.8	
119 1,2,4-Trichlorobenzene	180	12.422	12.422	0.0	93	264617	44.2	
120 Hexachlorobutadiene	225	12.538	12.532	0.006	96	109059	44.5	

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/L	Flags
121 Naphthalene	128	12.635	12.635	0.0	97	896618	45.1	
122 1,2,3-Trichlorobenzene	180	12.843	12.842	0.0	93	231312	52.0	
S 123 Total BTEX	1				0		306.9	
S 124 Xylenes, Total	1				0		155.3	
S 125 1,2-Dichloroethene, Total	1				0		104.2	
S 126 1,3-Dichloropropene, Total	1				0		109.4	

QC Flag Legend

Review Flags
M - Manually Integrated

Report Date: 24-Mar-2012 09:59:28 Chrom Revision: 2.0 20-Feb-2012 13:27:02

Data File: \\Bufchrom\ChromData\HP5973G\20120323-10429.b\G10254.D

Injection Date: 24-Mar-2012 03:05:30 Limit Group: MV - 8260B ICAL

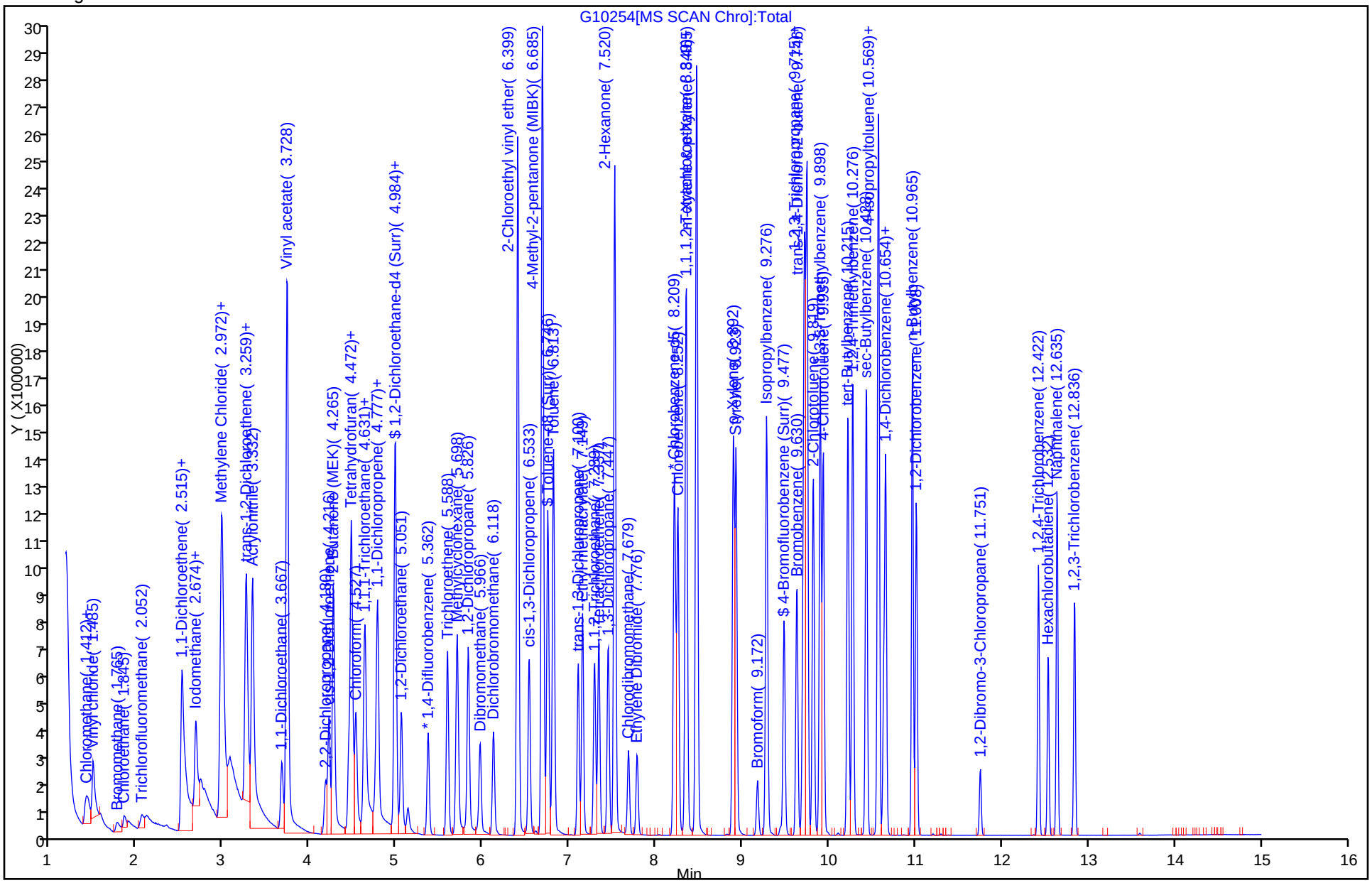
Client ID: Instrument ID: HP5973G

Lims Batch ID: 56586 Lims Sample ID: 7

Operator ID: RAL

Column Type: ZB-624 Column Dia: 0.25 mm

Y Scaling:



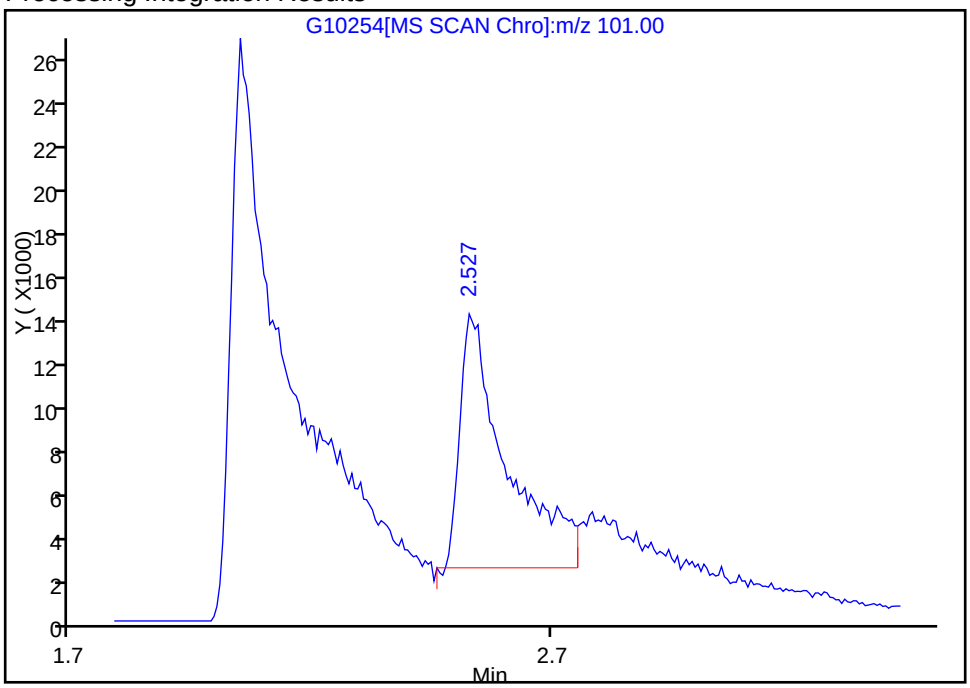
Manual Integration/User Assign Peak Report

Data File:	\\Bufchrom\ChromData\HP5973G\20120323-10429.b\G10254.D		
Injection Date:	24-Mar-2012 03:05:30	Limit Group:	MV - 8260B ICAL
Client ID:		Instrument ID:	HP5973G
Lims Batch ID:	56586	Lims Sample ID:	7
Operator ID:	RAL		
Column Type:	ZB-624	Column Dia:	0.25 mm

21 1,1,2-Trichloro-1,2,2-trifluoroethane, Signal: 1, m/z: 101.0 Type: quant, RT: 2.53

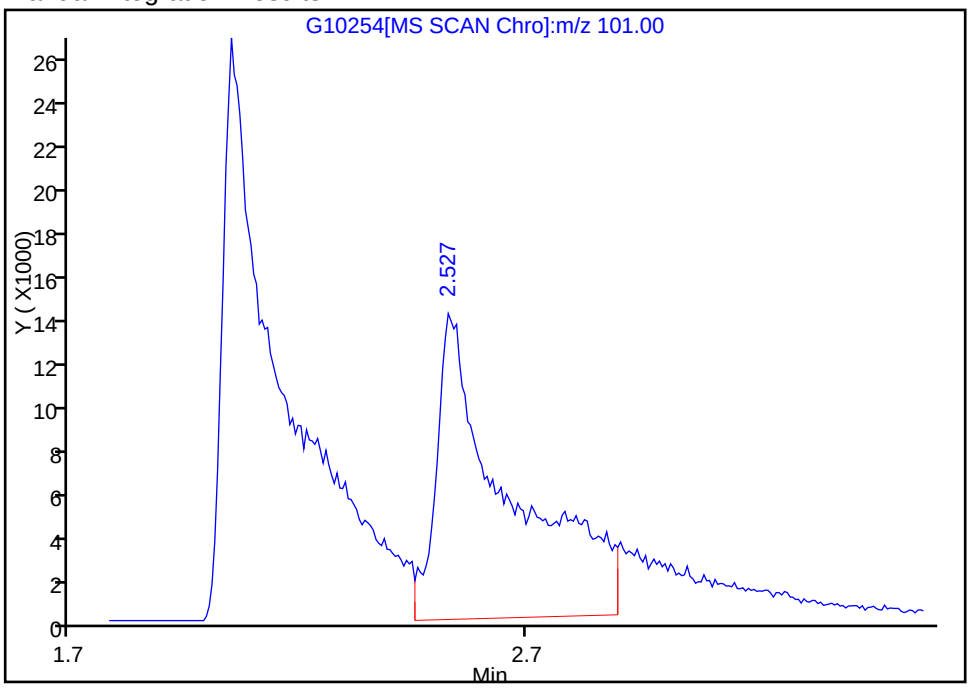
Processing Integration Results

RT: 2.53
Response: 76208
Amount: 32.840368



Manual Integration Results

RT: 2.53
Response: 151627
Amount: 54.614458



Reviewer: coderd, 24-Mar-2012 09:59:27
Audit Action: Manually Integrated
Audit Reason: Split Peak

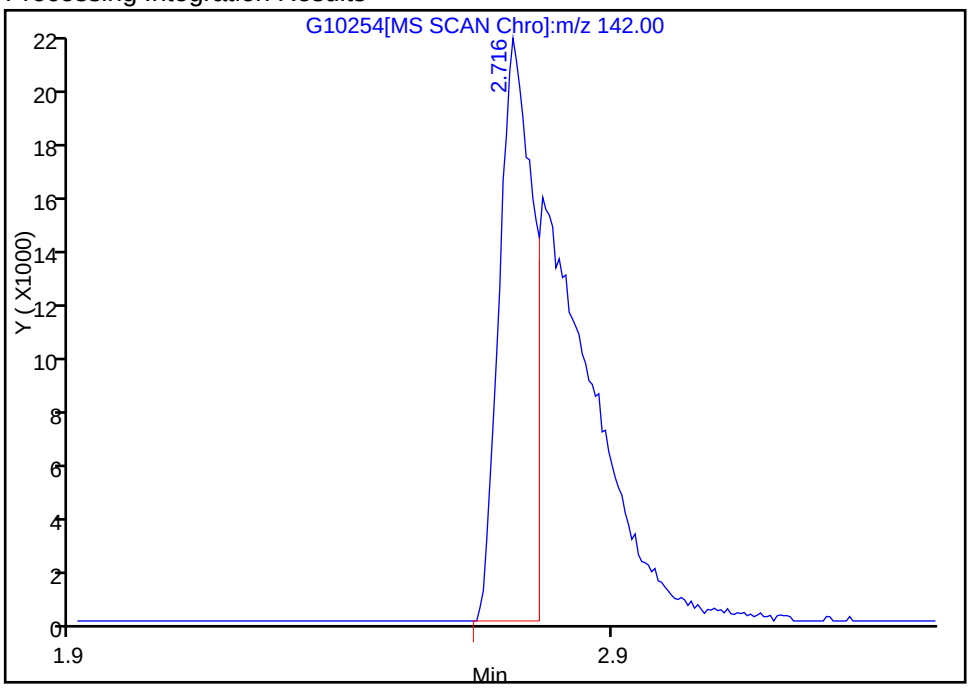
Manual Integration/User Assign Peak Report

Data File:	\\Bufchrom\ChromData\HP5973G\20120323-10429.b\G10254.D		
Injection Date:	24-Mar-2012 03:05:30	Limit Group:	MV - 8260B ICAL
Client ID:		Instrument ID:	HP5973G
Lims Batch ID:	56586	Lims Sample ID:	7
Operator ID:	RAL		
Column Type:	ZB-624	Column Dia:	0.25 mm

23 Iodomethane, Signal: 1, m/z: 142.0 Type: quant, RT: 2.72

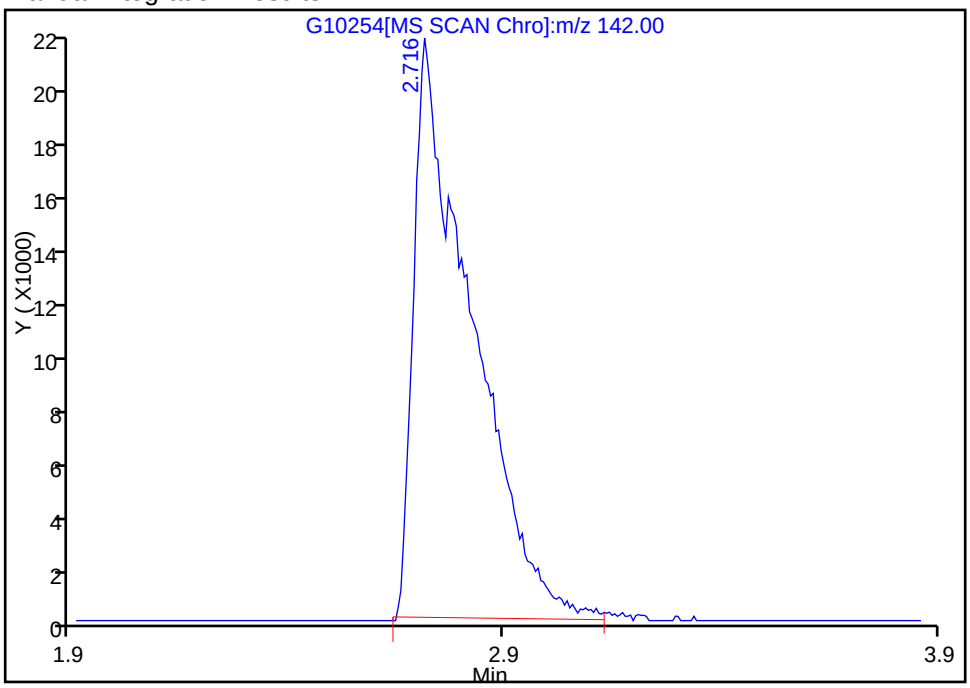
Processing Integration Results

RT: 2.72
Response: 90867
Amount: 34.023777



Manual Integration Results

RT: 2.72
Response: 193859
Amount: 64.319555



Reviewer: coderd, 24-Mar-2012 09:59:27
Audit Action: Manually Integrated
Audit Reason: Split Peak

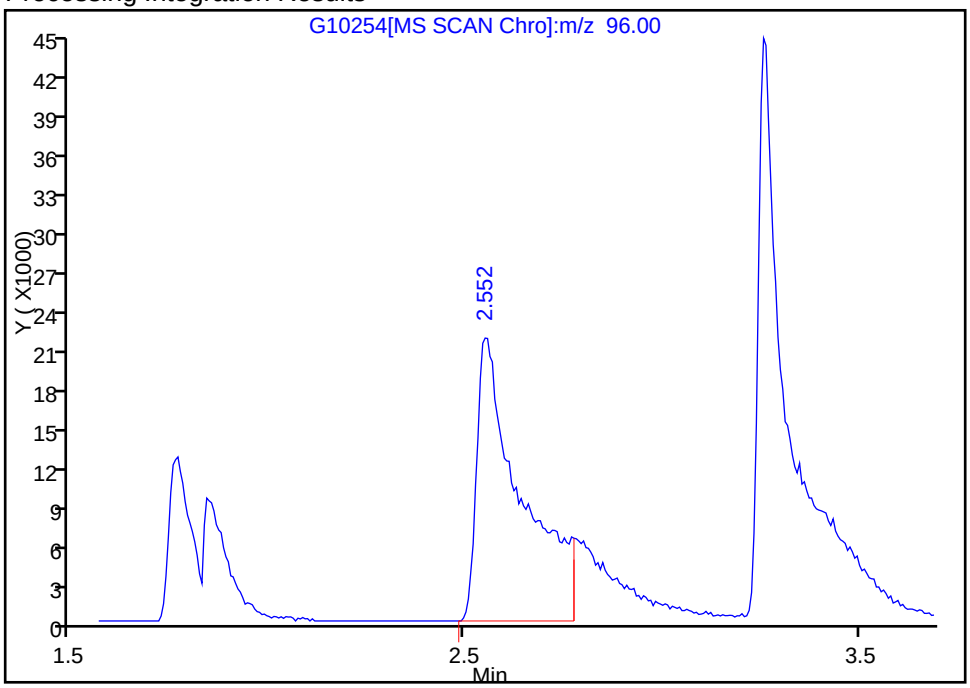
Manual Integration/User Assign Peak Report

Data File:	\\Bufchrom\ChromData\HP5973G\20120323-10429.b\G10254.D		
Injection Date:	24-Mar-2012 03:05:30	Limit Group:	MV - 8260B ICAL
Client ID:		Instrument ID:	HP5973G
Lims Batch ID:	56586	Lims Sample ID:	7
Operator ID:	RAL		
Column Type:	ZB-624	Column Dia:	0.25 mm

20 1,1-Dichloroethene, Signal: 1, m/z: 96.0 Type: quant, RT: 2.55

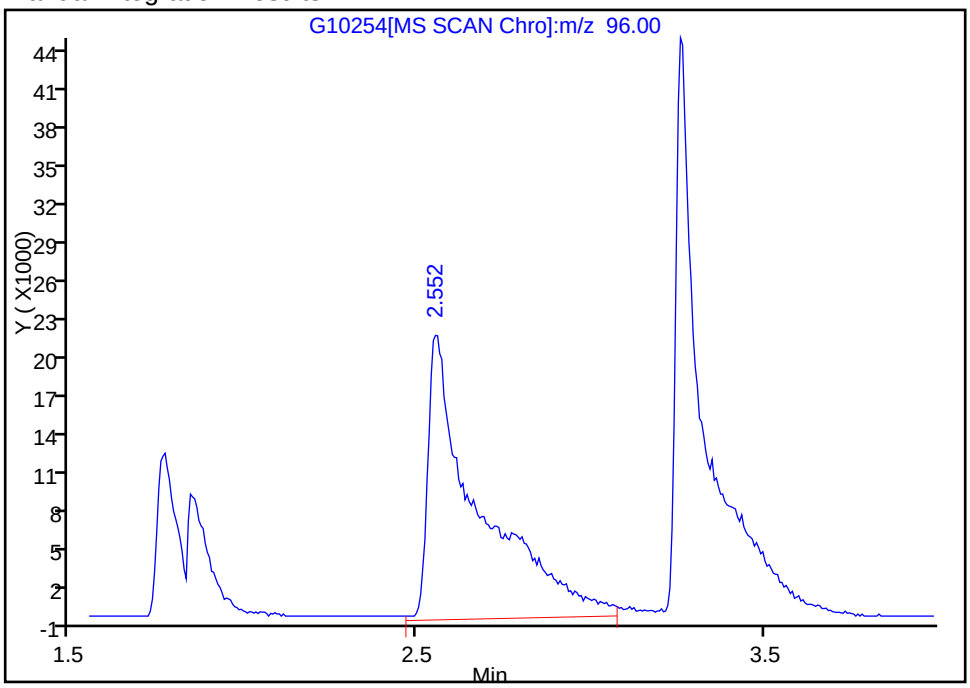
Processing Integration Results

RT: 2.55
Response: 170967
Amount: 40.027542



Manual Integration Results

RT: 2.55
Response: 225933
Amount: 50.720693



Reviewer: coderd, 24-Mar-2012 09:59:27
Audit Action: Manually Integrated
Audit Reason: Split Peak

TestAmerica Laboratories
Target Compound Quantitation Report

Data File: \\Bufchrom\ChromData\HP5973G\20120323-10429.b\G10255.D
Lims ID: STD-6 Client ID:
Inject. Date: 24-Mar-2012 03:26:30 Dil. Factor: 1.0000
Sample Type: IC Calib Level: 6
Sample ID: STD-6
Misc. Info.: 480-0010429-008 =480-0010429-008
Operator: RAL Instrument ID: HP5973G
Vol. Injected: 1.0000 ALS Bottle#: 9
Lims Batch ID: 56586 Lims Sample ID: 8
Sublist: chrom-G-8260*sub1
Detector: MS SCAN

Method: \\Bufchrom\ChromData\HP5973G\20120323-10429.b\G-8260.m
Last Update: 24-Mar-2012 10:00:34 Calib Date: 24-Mar-2012 03:26:30
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\Bufchrom\ChromData\HP5973G\20120323-10429.b\G10255.D
Limit Group: MV - 8260B ICAL
Integrator: RTE ID Type: Deconvolution ID
Process Host: CORP-CTX-19

First Level Reviewer: coderd Date: 24-Mar-2012 10:00:34

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/L	Flags
* 1 1,4-Difluorobenzene	114	5.362	5.362	0.0	96	289349	25.0	
* 2 Chlorobenzene-d5	82	8.222	8.221	0.001	83	154408	25.0	
* 3 1,4-Dichlorobenzene-d4	152	10.636	10.629	0.007	95	148802	25.0	
$ 4 1,2-Dichloroethane-d4 (Surr)	67	4.984	4.984	0.0	0	264591	113.2	
$ 5 Toluene-d8 (Surr)	98	6.746	6.746	0.0	91	1676705	112.1	
$ 6 4-Bromofluorobenzene (Surr)	174	9.483	9.477	0.006	84	471585	119.6	
10 Dichlorodifluoromethane	85	1.241	1.235	0.006	88	413526	102.2	
12 Chloromethane	50	1.418	1.412	0.006	99	812031	115.5	
13 Vinyl chloride	62	1.491	1.491	0.0	82	627587	105.1	
14 Bromomethane	94	1.772	1.753	0.019	91	96072	98.9	
15 Chloroethane	64	1.900	1.906	-0.006	95	346948	111.9	
17 Trichlorofluoromethane	101	2.058	2.052	0.006	92	522088	112.0	
19 Acrolein	56	2.515	2.515	0.0	98	1428020	2268.2	
21 1,1,2-Trichloro-1,2,2-trifluoroe	101	2.534	2.534	0.0	83	342682	106.9	M
20 1,1-Dichloroethene	96	2.552	2.552	0.0	94	463271	106.5	
22 Acetone	43	2.674	2.674	0.0	100	1066587	537.6	
23 Iodomethane	142	2.716	2.716	0.0	98	432902	99.6	M
24 Carbon disulfide	76	2.735	2.741	-0.006	99	1290323	103.9	
28 Methyl acetate	43	2.954	2.954	0.0	98	787162	107.2	
27 Acetonitrile	40	2.979	2.972	0.007	99	2177404	4108.6	
29 Methylene Chloride	84	3.070	3.070	0.0	87	581542	103.1	
31 Methyl tert-butyl ether	73	3.253	3.253	0.0	92	1583836	112.0	
32 trans-1,2-Dichloroethene	96	3.259	3.259	0.0	87	543648	112.0	
33 Acrylonitrile	53	3.332	3.332	0.0	100	1603885	566.9	
36 1,1-Dichloroethane	63	3.668	3.667	0.001	85	753694	109.7	
38 Vinyl acetate	43	3.728	3.728	0.0	97	5770692	504.3	
42 2,2-Dichloropropane	77	4.174	4.180	-0.006	92	296565	107.3	
43 cis-1,2-Dichloroethene	96	4.216	4.216	0.0	71	449796	111.1	
44 2-Butanone (MEK)	43	4.265	4.265	0.0	100	2288912	544.6	
48 Chlorobromomethane	128	4.448	4.448	0.0	88	197204	106.6	

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/L	Flags
49 Tetrahydrofuran	42	4.472	4.472	0.0	91	1519518	547.7	
50 Chloroform	85	4.527	4.527	0.0	82	447847	104.5	
51 1,1,1-Trichloroethane	97	4.631	4.631	0.0	92	517035	123.3	
52 Cyclohexane	56	4.631	4.631	0.0	92	717421	110.3	
53 Carbon tetrachloride	117	4.765	4.759	0.006	78	512134	100.2	
54 1,1-Dichloropropene	75	4.777	4.777	0.0	93	652766	106.3	
56 Benzene	78	4.978	4.978	0.0	96	1922857	102.9	
57 1,2-Dichloroethane	62	5.051	5.051	0.0	90	677919	103.1	
61 Trichloroethene	95	5.588	5.588	0.0	94	468731	106.2	
62 Methylcyclohexane	83	5.698	5.698	0.0	95	669438	114.3	
63 1,2-Dichloropropane	63	5.826	5.826	0.0	95	542825	108.3	
65 Dibromomethane	93	5.960	5.960	0.0	85	278082	108.6	
67 Dichlorobromomethane	83	6.118	6.118	0.0	93	548494	122.3	
70 2-Chloroethyl vinyl ether	63	6.399	6.399	0.0	92	2206044	563.0	
72 cis-1,3-Dichloropropene	75	6.533	6.533	0.0	87	768462	116.4	
73 4-Methyl-2-pentanone (MIBK)	43	6.685	6.685	0.0	95	4073816	512.9	
74 Toluene	92	6.813	6.813	0.0	99	1280585	105.3	
76 trans-1,3-Dichloropropene	75	7.100	7.100	0.0	92	727974	120.2	
78 Ethyl methacrylate	69	7.149	7.148	0.001	92	848899	106.3	
79 1,1,2-Trichloroethane	83	7.289	7.283	0.006	88	374687	108.8	
80 Tetrachloroethene	166	7.338	7.337	0.001	82	449165	105.6	
81 1,3-Dichloropropane	76	7.447	7.441	0.006	97	843493	107.5	
82 2-Hexanone	43	7.520	7.520	0.0	94	3283384	542.0	
83 Chlorodibromomethane	129	7.679	7.679	0.0	90	395444	99.9	
84 Ethylene Dibromide	107	7.783	7.776	0.007	98	462710	111.9	
86 Chlorobenzene	112	8.252	8.252	0.0	85	1346556	104.7	
89 Ethylbenzene	91	8.343	8.343	0.0	99	2355476	104.6	
88 1,1,1,2-Tetrachloroethane	131	8.356	8.349	0.007	88	405407	119.7	
90 m-Xylene & p-Xylene	106	8.471	8.465	0.006	98	1838330	209.7	
91 o-Xylene	106	8.892	8.892	0.0	98	917797	110.5	
92 Styrene	104	8.923	8.923	0.001	95	1532897	113.6	
93 Bromoform	173	9.173	9.172	0.001	96	241431	99.9	
95 Isopropylbenzene	105	9.276	9.276	0.0	97	2369518	98.8	
97 Bromobenzene	156	9.630	9.630	0.0	97	539326	102.6	
98 1,1,2,2-Tetrachloroethane	83	9.697	9.697	0.0	87	722660	104.8	
101 N-Propylbenzene	91	9.715	9.715	0.0	98	2954170	101.0	
99 1,2,3-Trichloropropane	110	9.727	9.727	0.0	80	230550	98.6	
100 trans-1,4-Dichloro-2-butene	53	9.746	9.746	0.0	89	1238843	508.3	
102 2-Chlorotoluene	126	9.819	9.819	0.0	95	551272	102.0	
104 1,3,5-Trimethylbenzene	105	9.898	9.898	0.0	94	2082424	103.2	
105 4-Chlorotoluene	126	9.935	9.935	0.001	95	588528	102.4	
106 tert-Butylbenzene	134	10.221	10.215	0.006	92	444539	104.8	
107 1,2,4-Trimethylbenzene	105	10.276	10.270	0.006	98	2120858	103.6	
109 sec-Butylbenzene	105	10.435	10.428	0.006	95	2595751	101.8	
110 1,3-Dichlorobenzene	146	10.569	10.562	0.007	95	1094760	102.0	
111 4-Isopropyltoluene	119	10.575	10.575	0.0	96	2143584	102.4	
113 1,4-Dichlorobenzene	146	10.654	10.654	0.0	92	1176455	104.2	
115 n-Butylbenzene	91	10.965	10.965	0.0	97	2075909	106.6	
116 1,2-Dichlorobenzene	146	11.008	11.007	0.001	94	1086759	103.2	
117 1,2-Dibromo-3-Chloropropane	75	11.751	11.751	0.0	80	144863	117.8	
119 1,2,4-Trichlorobenzene	180	12.422	12.422	0.0	94	592767	90.1	
120 Hexachlorobutadiene	225	12.538	12.532	0.006	98	230542	85.7	

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/L	Flags
121 Naphthalene	128	12.635	12.635	0.0	98	1916623	87.8	
122 1,2,3-Trichlorobenzene	180	12.843	12.842	0.001	93	476160	97.5	
S 123 Total BTEX	1				0		633.0	
S 124 Xylenes, Total	1				0		320.2	
S 125 1,2-Dichloroethene, Total	1				0		223.1	
S 126 1,3-Dichloropropene, Total	1				0		236.6	

QC Flag Legend

Review Flags
M - Manually Integrated

Report Date: 24-Mar-2012 10:00:34 Chrom Revision: 2.0 20-Feb-2012 13:27:02

Data File: \\Bufchrom\ChromData\HP5973G\20120323-10429.b\G10255.D

Injection Date: 24-Mar-2012 03:26:30 Limit Group: MV - 8260B ICAL

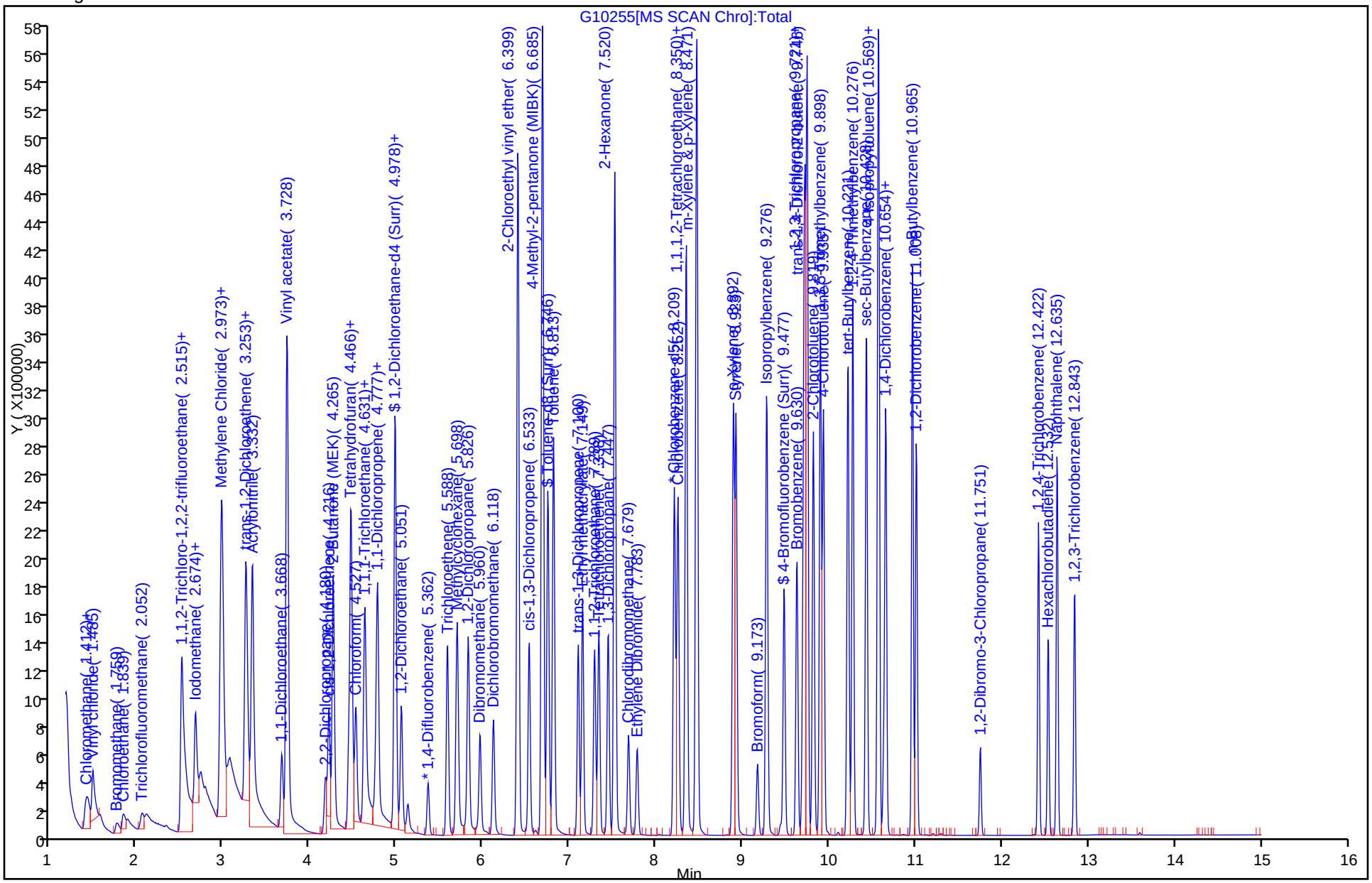
Client ID: Instrument ID: HP5973G

Lims Batch ID: 56586 Lims Sample ID: 8

Operator ID: RAL

Column Type: ZB-624 Column Dia: 0.25 mm

Y Scaling:



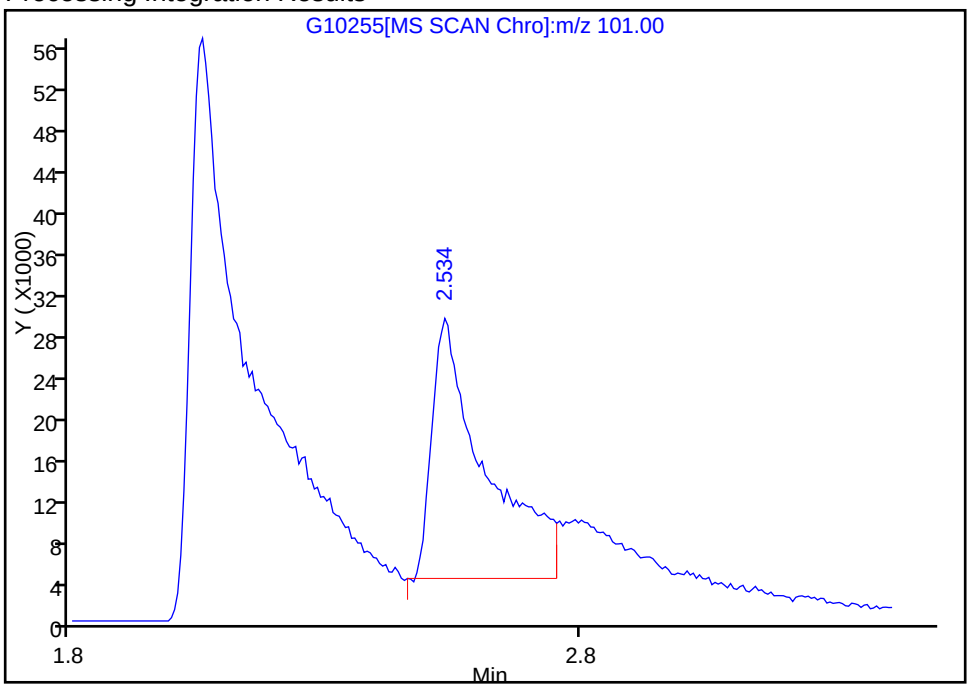
Manual Integration/User Assign Peak Report

Data File:	\\Bufchrom\ChromData\HP5973G\20120323-10429.b\G10255.D		
Injection Date:	24-Mar-2012 03:26:30	Limit Group:	MV - 8260B ICAL
Client ID:		Instrument ID:	HP5973G
Lims Batch ID:	56586	Lims Sample ID:	8
Operator ID:	RAL		
Column Type:	ZB-624	Column Dia:	0.25 mm

21 1,1,2-Trichloro-1,2,2-trifluoroethane, Signal: 1, m/z: 101.0 Type: quant, RT: 2.53

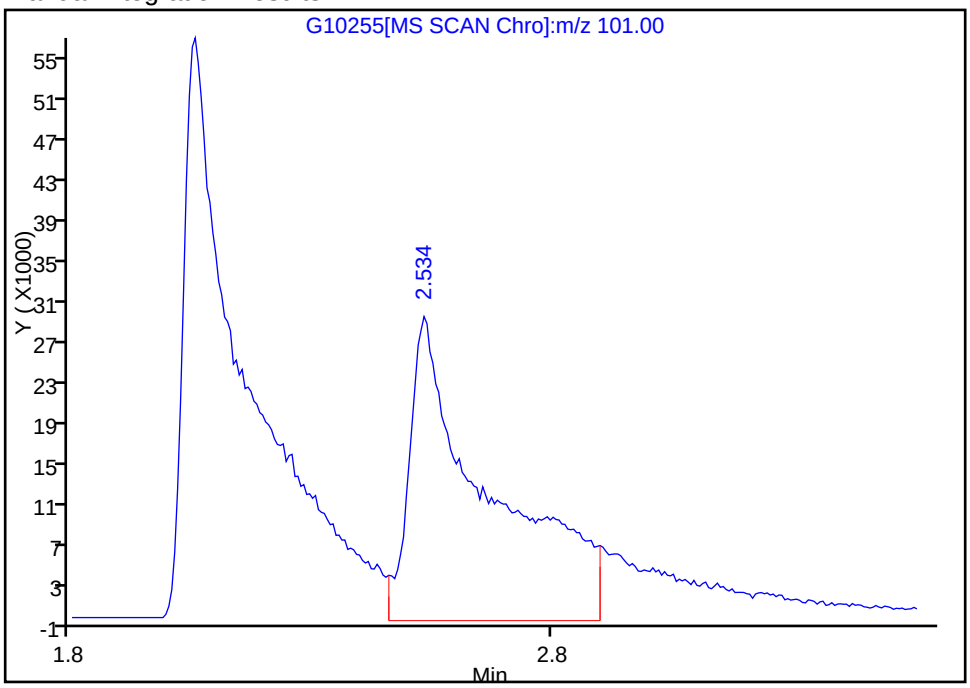
Processing Integration Results

RT: 2.53
Response: 184118
Amount: 90.285141



Manual Integration Results

RT: 2.53
Response: 342682
Amount: 106.9493



Reviewer: coderd, 24-Mar-2012 10:00:34
Audit Action: Manually Integrated
Audit Reason: Split Peak

Report Date: 24-Mar-2012 10:00:34 Chrom Revision: 2.0 20-Feb-2012 13:27:02

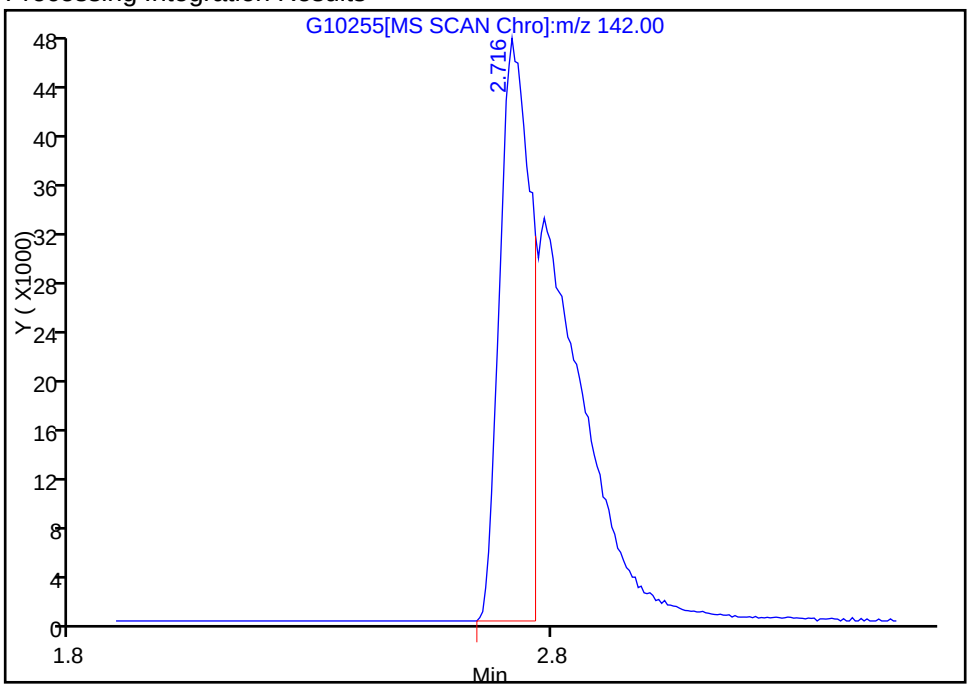
Manual Integration/User Assign Peak Report

Data File:	\\Bufchrom\ChromData\HP5973G\20120323-10429.b\G10255.D		
Injection Date:	24-Mar-2012 03:26:30	Limit Group:	MV - 8260B ICAL
Client ID:		Instrument ID:	HP5973G
Lims Batch ID:	56586	Lims Sample ID:	8
Operator ID:	RAL		
Column Type:	ZB-624	Column Dia:	0.25 mm

23 Iodomethane, Signal: 1, m/z: 142.0 Type: quant, RT: 2.72

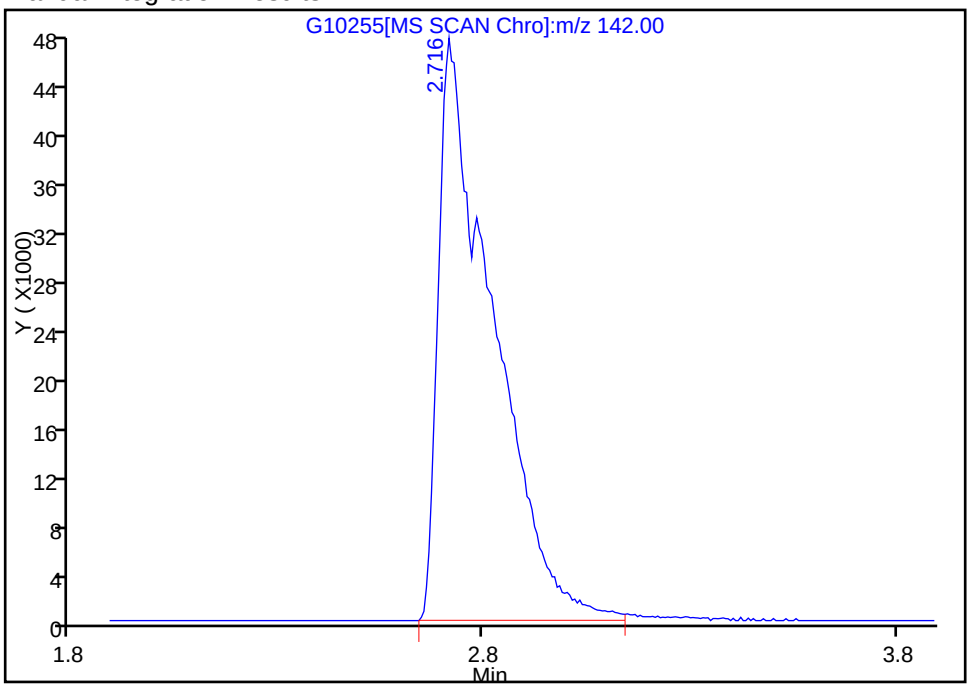
Processing Integration Results

RT: 2.72
Response: 208453
Amount: 70.823092



Manual Integration Results

RT: 2.72
Response: 432902
Amount: 99.637540



Reviewer: coderd, 24-Mar-2012 10:00:34
Audit Action: Manually Integrated
Audit Reason: Split Peak

FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Buffalo Job No.: 480-18068-1

SDG No.:

Lab Sample ID: CCVIS 480-58567/2 Calibration Date: 04/06/2012 21:06

Instrument ID: HP5973F Calib Start Date: 03/07/2012 23:43

GC Column: ZB-624 (60) ID: 0.25(mm) Calib End Date: 03/08/2012 01:25

Lab File ID: F7878.D Conc. Units: ug/L Heated Purge: (Y/N) N

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Dichlorodifluoromethane	Ave	0.2059	0.2262		54.9	50.0	9.9	50.0
Chloromethane	Ave	0.2765	0.2769	0.1000	50.1	50.0	0.1	50.0
Vinyl chloride	Ave	0.2213	0.2536		57.3	50.0	14.6	20.0
Bromomethane	Ave	0.1097	0.1135		51.7	50.0	3.5	50.0
Chloroethane	Ave	0.1050	0.1104		52.6	50.0	5.1	50.0
Trichlorofluoromethane	Ave	0.2394	0.2710		56.6	50.0	13.2	50.0
Acrolein	Ave	0.0379	0.0255		672	1000	-32.8	50.0
1,1,2-Trichloro-1,2,2-triflu oroethane	Ave	0.2313	0.1945		42.0	50.0	-15.9	50.0
1,1-Dichloroethene	Ave	0.2420	0.2650	0.1000	54.7	50.0	9.5	20.0
Acetone	Ave	0.1081	0.0888		205	250	-17.9	50.0
Iodomethane	Ave	0.3623	0.3298		45.5	50.0	-9.0	50.0
Carbon disulfide	Ave	0.6556	0.5860		44.7	50.0	-10.6	50.0
Methyl acetate	Ave	0.3785	0.3373		44.6	50.0	-10.9	50.0
Acetonitrile	Ave	0.0226	0.0216		1910	2000	-4.5	50.0
Methylene Chloride	Ave	0.2868	0.3004		52.4	50.0	4.7	50.0
Methyl tert-butyl ether	Ave	0.8378	0.7651		45.7	50.0	-8.7	50.0
trans-1,2-Dichloroethene	Ave	0.2812	0.2983		53.1	50.0	6.1	50.0
Acrylonitrile	Ave	0.1271	0.1184		233	250	-6.8	50.0
Vinyl acetate	Ave	0.6567	0.5959		227	250	-9.3	50.0
1,1-Dichloroethane	Ave	0.4772	0.4772		50.0	50.0	-0.0	50.0
2-Butanone (MEK)	Ave	0.1867	0.1620		217	250	-13.2	50.0
2,2-Dichloropropane	Ave	0.3267	0.3587		54.9	50.0	9.8	50.0
cis-1,2-Dichloroethene	Ave	0.3174	0.3281		51.7	50.0	3.4	50.0
Bromochloromethane	Ave	0.1669	0.1686		50.5	50.0	1.0	50.0
Tetrahydrofuran	Ave	0.1231	0.1092		222	250	-11.3	50.0
Chloroform	Ave	0.4648	0.4619		49.7	50.0	-0.6	20.0
1,1,1-Trichloroethane	Ave	0.3695	0.3850		52.1	50.0	4.2	50.0
Cyclohexane	Ave	0.4776	0.4619		48.4	50.0	-3.3	50.0
1,1-Dichloropropene	Ave	0.3625	0.3674		50.7	50.0	1.3	50.0
Carbon tetrachloride	Ave	0.3123	0.3256		52.1	50.0	4.3	50.0
Benzene	Ave	1.074	1.121		52.2	50.0	4.4	50.0
1,2-Dichloroethane	Ave	0.3784	0.3431		45.3	50.0	-9.3	50.0
Trichloroethene	Ave	0.2881	0.2985		51.8	50.0	3.6	50.0
Methylcyclohexane	Ave	0.4705	0.5101		54.2	50.0	8.4	50.0
1,2-Dichloropropane	Ave	0.2858	0.2837		49.6	50.0	-0.8	20.0
Dibromomethane	Ave	0.1702	0.1612		47.3	50.0	-5.3	50.0
Bromodichloromethane	Ave	0.3334	0.3219		48.3	50.0	-3.4	50.0
2-Chloroethyl vinyl ether	Ave	0.2068	0.1966		238	250	-4.9	50.0
cis-1,3-Dichloropropene	Ave	0.4314	0.4258		49.4	50.0	-1.3	50.0
4-Methyl-2-pentanone (MIBK)	Ave	0.8542	0.7772		228	250	-9.0	50.0

FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Buffalo Job No.: 480-18068-1

SDG No.:

Lab Sample ID: CCVIS 480-58567/2 Calibration Date: 04/06/2012 21:06

Instrument ID: HP5973F Calib Start Date: 03/07/2012 23:43

GC Column: ZB-624 (60) ID: 0.25(mm) Calib End Date: 03/08/2012 01:25

Lab File ID: F7878.D Conc. Units: ug/L Heated Purge: (Y/N) N

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Toluene	Ave	1.664	1.719		51.7	50.0	3.3	20.0
Ethyl methacrylate	Ave	0.9228	0.8931		48.4	50.0	-3.2	50.0
trans-1,3-Dichloropropene	Ave	0.9099	0.8647		47.5	50.0	-5.0	50.0
1,1,2-Trichloroethane	Ave	0.5001	0.4806		48.1	50.0	-3.9	50.0
Tetrachloroethene	Ave	0.7388	0.7785		52.7	50.0	5.4	50.0
1,3-Dichloropropane	Ave	1.038	0.9750		47.0	50.0	-6.0	50.0
2-Hexanone	Ave	0.6379	0.5609		220	250	-12.1	50.0
Dibromochloromethane	Ave	0.6588	0.6181		46.9	50.0	-6.2	50.0
1,2-Dibromoethane	Ave	0.6697	0.6419		47.9	50.0	-4.1	50.0
Chlorobenzene	Ave	2.027	2.014	0.3000	49.7	50.0	-0.7	50.0
Ethylbenzene	Ave	3.069	3.227		52.6	50.0	5.2	20.0
1,1,1,2-Tetrachloroethane	Ave	0.6553	0.6644		50.7	50.0	1.4	50.0
m,p-Xylene	Ave	1.283	1.362		106	100	6.2	50.0
o-Xylene	Ave	1.233	1.291		52.4	50.0	4.7	50.0
Styrene	Ave	2.044	2.114		51.7	50.0	3.4	50.0
Bromoform	Ave	0.3801	0.3499	0.1000	46.0	50.0	-8.0	50.0
Isopropylbenzene	Ave	2.706	2.993		55.3	50.0	10.6	50.0
1,1,2,2-Tetrachloroethane	Ave	0.7166	0.7138	0.3000	49.8	50.0	-0.4	50.0
Bromobenzene	Ave	0.7878	0.7882		50.0	50.0	0.0	50.0
trans-1,4-Dichloro-2-butene	Ave	0.2406	0.2195		228	250	-8.8	50.0
N-Propylbenzene	Ave	3.278	3.624		55.3	50.0	10.6	50.0
1,2,3-Trichloropropane	Ave	0.2483	0.2434		49.0	50.0	-2.0	50.0
2-Chlorotoluene	Ave	0.7471	0.7736		51.8	50.0	3.5	50.0
1,3,5-Trimethylbenzene	Ave	2.282	2.531		55.5	50.0	10.9	50.0
4-Chlorotoluene	Ave	0.7987	0.8128		50.9	50.0	1.8	50.0
tert-Butylbenzene	Ave	0.5765	0.6053		52.5	50.0	5.0	50.0
1,2,4-Trimethylbenzene	Ave	2.322	2.701		58.2	50.0	16.3	50.0
sec-Butylbenzene	Ave	2.926	3.260		55.7	50.0	11.4	50.0
4-Isopropyltoluene	Ave	2.670	3.019		56.5	50.0	13.1	50.0
1,3-Dichlorobenzene	Ave	1.504	1.543		51.3	50.0	2.7	50.0
1,4-Dichlorobenzene	Ave	1.550	1.571		50.7	50.0	1.4	50.0
n-Butylbenzene	Ave	2.179	2.495		57.3	50.0	14.5	50.0
1,2-Dichlorobenzene	Ave	1.420	1.475		51.9	50.0	3.9	50.0
1,2-Dibromo-3-Chloropropane	Ave	0.1193	0.1143		47.9	50.0	-4.2	50.0
1,2,4-Trichlorobenzene	Ave	0.8879	1.023		57.6	50.0	15.2	50.0
Hexachlorobutadiene	Ave	0.3855	0.4515		58.6	50.0	17.1	50.0
Naphthalene	Ave	2.610	2.943		56.4	50.0	12.8	50.0
1,2,3-Trichlorobenzene	Ave	0.8054	0.9146		56.8	50.0	13.6	50.0
1,2-Dichloroethane-d4 (Surr)	Ave	0.1520	0.1480		48.7	50.0	-2.6	50.0
Toluene-d8 (Surr)	Ave	2.361	2.440		51.7	50.0	3.3	50.0
4-Bromofluorobenzene (Surr)	Ave	0.7860	0.7932		50.5	50.0	0.9	50.0

TestAmerica Laboratories
Target Compound Quantitation Report

Data File: \\Bufchrom\ChromData\HP5973F\20120406-10799.b\F7878.D
Lims ID: CCVIS Client ID:
Inject. Date: 06-Apr-2012 21:06:30 Dil. Factor: 1.0000
Sample Type: CCVIS
Sample ID: CCVIS
Misc. Info.: 480-0010799-002 =480-0010799-002
Operator: CDC Instrument ID: HP5973F
Vol. Injected: 1.0000 ALS Bottle#: 1
Lims Batch ID: 58567 Lims Sample ID: 2
Sublist: chrom-F-8260 SOIL*sub1
Detector: MS SCAN

Method: \\Bufchrom\ChromData\HP5973F\20120406-10799.b\F-8260 SOIL.m
Last Update: 06-Apr-2012 22:25:49 Calib Date: 09-Mar-2012 18:10:30
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\Bufchrom\ChromData\HP5973F\20120309-10095.b\F7259.D
Limit Group: MV - 8260B ICAL
Integrator: RTE ID Type: Deconvolution ID
Process Host: CORP-CTX-19

First Level Reviewer: cwiklinc Date: 06-Apr-2012 21:22:03

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/kg	Flags
* 1 1,4-Difluorobenzene	114	5.714	5.714	0.0	93	500088	50.0	
* 2 Chlorobenzene-d5	82	8.494	8.494	0.0	79	219122	50.0	
* 3 1,4-Dichlorobenzene-d4	152	10.794	10.794	0.0	91	244635	50.0	
$ 4 1,2-Dichloroethane-d4 (Surr)	67	5.404	5.404	0.0	96	74005	48.7	
$ 5 Toluene-d8 (Surr)	98	7.040	7.040	0.0	89	534751	51.7	
$ 6 4-Bromofluorobenzene (Surr)	174	9.705	9.705	0.0	90	173804	50.5	
10 Dichlorodifluoromethane	85	2.064	2.064	0.0	86	113118	54.9	
12 Chloromethane	50	2.216	2.216	0.0	89	138450	50.1	
13 Vinyl chloride	62	2.332	2.332	0.0	83	126835	57.3	
14 Bromomethane	94	2.636	2.636	0.0	87	56757	51.7	
15 Chloroethane	64	2.709	2.709	0.0	92	55197	52.6	
17 Trichlorofluoromethane	101	2.934	2.934	0.0	82	135528	56.6	
20 Acrolein	56	3.275	3.275	0.0	95	254686	672.2	
21 1,1,2-Trichloro-1,2,2-trifluoroe	101	3.311	3.311	0.0	80	97268	42.0	
22 1,1-Dichloroethene	96	3.341	3.341	0.0	83	132521	54.7	
23 Acetone	43	3.390	3.390	0.0	99	222112	205.3	
25 Iodomethane	142	3.506	3.506	0.0	96	164930	45.5	
26 Carbon disulfide	76	3.567	3.567	0.0	98	293041	44.7	
27 Methyl acetate	43	3.615	3.615	0.0	91	168697	44.6	
29 Acetonitrile	40	3.646	3.646	0.0	99	431279	1910.9	
30 Methylene Chloride	84	3.737	3.737	0.0	86	150226	52.4	
32 Methyl tert-butyl ether	73	3.895	3.895	0.0	88	382610	45.7	
34 trans-1,2-Dichloroethene	96	3.932	3.932	0.0	94	149197	53.1	
33 Acrylonitrile	53	3.944	3.944	0.0	100	295996	232.9	
37 Vinyl acetate	43	4.248	4.248	0.0	97	1490114	226.9	
39 1,1-Dichloroethane	63	4.272	4.272	0.0	82	238636	50.0	
43 2-Butanone (MEK)	43	4.716	4.716	0.0	100	405036	216.9	
44 2,2-Dichloropropane	77	4.722	4.722	0.0	77	179383	54.9	
45 cis-1,2-Dichloroethene	96	4.729	4.729	0.0	69	164053	51.7	
48 Chlorobromomethane	128	4.941	4.941	0.0	90	84289	50.5	

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/kg	Flags
49 Tetrahydrofuran	42	4.954	4.954	0.0	90	273032	221.8	
50 Chloroform	83	4.972	4.972	0.0	81	230989	49.7	
51 1,1,1-Trichloroethane	97	5.124	5.124	0.0	91	192540	52.1	
52 Cyclohexane	56	5.154	5.154	0.0	91	230968	48.4	
54 1,1-Dichloropropene	75	5.240	5.240	0.0	93	183726	50.7	
55 Carbon tetrachloride	117	5.252	5.252	0.0	79	162815	52.1	
57 Benzene	78	5.434	5.434	0.0	97	560349	52.2	
58 1,2-Dichloroethane	62	5.471	5.471	0.0	89	171598	45.3	
62 Trichloroethene	95	5.957	5.957	0.0	90	149262	51.8	
64 Methylcyclohexane	83	6.097	6.097	0.0	89	255080	54.2	
65 1,2-Dichloropropane	63	6.182	6.182	0.0	94	141851	49.6	
67 Dibromomethane	93	6.316	6.316	0.0	86	80590	47.3	
68 Dichlorobromomethane	83	6.426	6.426	0.0	93	160985	48.3	
69 2-Chloroethyl vinyl ether	63	6.627	6.627	0.0	92	491649	237.8	
72 cis-1,3-Dichloropropene	75	6.809	6.809	0.0	89	212944	49.4	
73 4-Methyl-2-pentanone (MIBK)	43	6.906	6.906	0.0	96	851552	227.5	
74 Toluene	92	7.107	7.107	0.0	96	376765	51.7	
75 Ethyl methacrylate	69	7.320	7.320	0.0	91	195689	48.4	
77 trans-1,3-Dichloropropene	75	7.326	7.326	0.0	91	189484	47.5	
79 1,1,2-Trichloroethane	83	7.527	7.527	0.0	84	105319	48.1	
81 Tetrachloroethene	166	7.630	7.630	0.0	91	170579	52.7	
80 2-Hexanone	43	7.697	7.697	0.0	95	614485	219.8	
82 1,3-Dichloropropane	76	7.697	7.697	0.0	90	213652	47.0	
83 Chlorodibromomethane	129	7.941	7.941	0.0	86	135428	46.9	
84 Ethylene Dibromide	107	8.074	8.074	0.0	97	140661	47.9	
87 Chlorobenzene	112	8.525	8.525	0.0	97	441262	49.7	
88 Ethylbenzene	91	8.585	8.585	0.0	97	707215	52.6	
89 1,1,1,2-Tetrachloroethane	131	8.604	8.604	0.0	84	145586	50.7	
90 m-Xylene & p-Xylene	106	8.701	8.701	0.0	99	597045	106.2	
91 o-Xylene	106	9.133	9.133	0.0	95	282877	52.4	
92 Styrene	104	9.157	9.157	0.0	95	463219	51.7	
95 Bromoform	173	9.431	9.431	0.0	96	76671	46.0	
94 Isopropylbenzene	105	9.492	9.492	0.0	94	732273	55.3	
97 1,1,2,2-Tetrachloroethane	83	9.857	9.857	0.0	87	174617	49.8	
101 Bromobenzene	156	9.875	9.875	0.0	90	192829	50.0	
98 trans-1,4-Dichloro-2-butene	53	9.900	9.900	0.0	59	268514	228.1	
99 N-Propylbenzene	91	9.906	9.906	0.0	95	886490	55.3	
100 1,2,3-Trichloropropane	110	9.912	9.912	0.0	59	59536	49.0	
103 2-Chlorotoluene	126	10.033	10.033	0.0	98	189245	51.8	
102 1,3,5-Trimethylbenzene	105	10.064	10.064	0.0	83	619265	55.5	
105 4-Chlorotoluene	126	10.137	10.137	0.0	96	198836	50.9	
106 tert-Butylbenzene	134	10.380	10.380	0.0	89	148086	52.5	
107 1,2,4-Trimethylbenzene	105	10.429	10.429	0.0	94	660851	58.2	
109 sec-Butylbenzene	105	10.581	10.581	0.0	92	797554	55.7	
110 4-Isopropyltoluene	119	10.696	10.696	0.0	94	738596	56.5	
111 1,3-Dichlorobenzene	146	10.739	10.739	0.0	95	377574	51.3	
113 1,4-Dichlorobenzene	146	10.818	10.818	0.0	96	384413	50.7	
115 n-Butylbenzene	91	11.068	11.068	0.0	93	610421	57.3	
116 1,2-Dichlorobenzene	146	11.159	11.159	0.0	98	360729	51.9	
117 1,2-Dibromo-3-Chloropropane	75	11.834	11.834	0.0	78	27953	47.9	
119 1,2,4-Trichlorobenzene	180	12.491	12.491	0.0	92	250174	57.6	
120 Hexachlorobutadiene	225	12.582	12.582	0.0	95	110453	58.6	

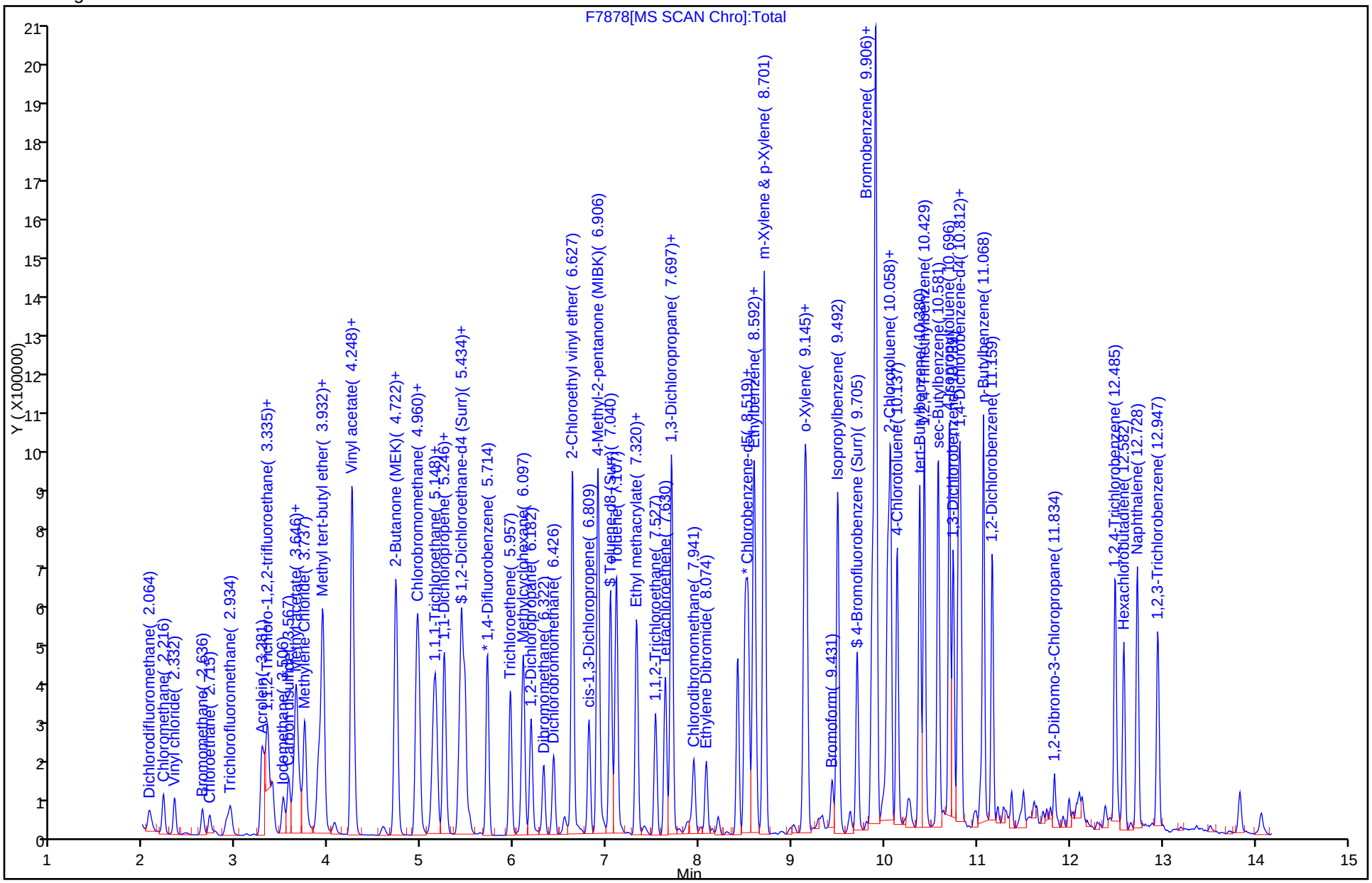
Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/kg	Flags
121 Naphthalene	128	12.728	12.728	0.0	96	720032	56.4	
122 1,2,3-Trichlorobenzene	180	12.947	12.947	0.0	96	223745	56.8	
S 123 Total BTEX	1				0		315.0	
S 124 Xylenes, Total	1				0		158.6	
S 125 1,2-Dichloroethene, Total	1				0		104.7	
S 126 1,3-Dichloropropene, Total	1				0		96.9	

Report Date: 06-Apr-2012 22:25:50 Chrom Revision: 2.0 20-Feb-2012 13:27:02

Data File: \\Bufchrom\ChromData\HP5973F\20120406-10799.b\F7878.D

Injection Date:	06-Apr-2012 21:06:30	Limit Group:	MV - 8260B ICAL
Client ID:		Instrument ID:	HP5973F
Lims Batch ID:	58567	Lims Sample ID:	2
Operator ID:	CDC		
Column Type:	ZB-624	Column Dia:	0.25 mm

Y Scaling:



FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Buffalo Job No.: 480-18068-1

SDG No.:

Lab Sample ID: CCV 480-58567/3 Calibration Date: 04/06/2012 22:01

Instrument ID: HP5973F Calib Start Date: 03/07/2012 23:43

GC Column: ZB-624 (60) ID: 0.25(mm) Calib End Date: 03/08/2012 01:25

Lab File ID: F7879.D Conc. Units: ug/L Heated Purge: (Y/N) N

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
1,2-Dichloroethane-d4 (Surr)	Ave	0.1520	0.1451		47.7	50.0	-4.5	50.0
Toluene-d8 (Surr)	Ave	2.361	2.460		52.1	50.0	4.2	50.0
4-Bromofluorobenzene (Surr)	Ave	0.7860	0.7866		50.0	50.0	0.0	50.0

TestAmerica Laboratories
Target Compound Quantitation Report

Data File: \\Bufchrom\ChromData\HP5973F\20120406-10799.b\F7879.D
Lims ID: CCV Client ID:
Inject. Date: 06-Apr-2012 22:01:30 Dil. Factor: 1.0000
Sample Type: CCV
Sample ID: CCV
Misc. Info.: 480-0010799-003 =480-0010799-003
Operator: CDC Instrument ID: HP5973F
Vol. Injected: 1.0000 ALS Bottle#: 2
Lims Batch ID: 58567 Lims Sample ID: 3
Sublist: chrom-F-8260 SOIL*sub5
Detector: MS SCAN

Method: \\Bufchrom\ChromData\HP5973F\20120406-10799.b\F-8260 SOIL.m
Last Update: 06-Apr-2012 22:26:07 Calib Date: 09-Mar-2012 18:10:30
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\Bufchrom\ChromData\HP5973F\20120309-10095.b\F7259.D
Limit Group: MV - 8260B ICAL
Integrator: RTE ID Type: Deconvolution ID
Process Host: CORP-CTX-19

First Level Reviewer: cwiklinc Date: 06-Apr-2012 22:26:07

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/kg	Flags
* 1 1,4-Difluorobenzene	114	5.714	5.714	0.0	93	488055	50.0	
* 2 Chlorobenzene-d5	82	8.494	8.494	0.0	82	210919	50.0	
* 3 1,4-Dichlorobenzene-d4	152	10.800	10.800	0.0	95	235157	50.0	
$ 4 1,2-Dichloroethane-d4 (Surr)	67	5.410	5.410	0.0	99	70821	47.7	
$ 5 Toluene-d8 (Surr)	98	7.040	7.040	0.0	92	518821	52.1	
$ 6 4-Bromofluorobenzene (Surr)	174	9.705	9.705	0.0	90	165906	50.0	
11 Chlorodifluoromethane	51	2.082	2.082	0.0	75	104262	43.1	
16 Dichlorofluoromethane	67	2.891	2.891	0.0	81	154647	46.2	
18 Ethyl ether	59	3.116	3.116	0.0	93	110606	42.4	
19 Propene oxide	58	3.214	3.214	0.0	94	180121	251.4	
24 Isopropyl alcohol	45	3.475	3.475	0.0	98	224689	989.3	
28 3-Chloro-1-propene	41	3.627	3.627	0.0	91	201287	43.6	
31 2-Methyl-2-propanol	59	3.779	3.779	0.0	98	340736	979.9	
35 Hexane	57	4.065	4.065	0.0	92	199019	46.7	
36 Isopropyl ether	45	4.224	4.224	0.0	96	462762	45.4	
38 1,1-Dimethoxyethane	75	4.297	4.297	0.0	95	133578	276.2	
40 2-Chloro-1,3-butadiene	53	4.321	4.321	0.0	87	179042	44.9	
41 Tert-butyl ethyl ether	59	4.509	4.509	0.0	97	401376	45.9	
42 Ethyl acetate	43	4.710	4.710	0.0	97	145002	42.0	
46 Propionitrile	54	4.814	4.814	0.0	100	215486	461.4	
47 Methacrylonitrile	41	4.917	4.917	0.0	93	88074	42.4	
53 Isobutyl alcohol	43	5.294	5.294	0.0	95	327574	1982.0	
56 Tert-amyl methyl ether	73	5.446	5.446	0.0	97	360678	48.4	
59 n-Heptane	43	5.519	5.519	0.0	93	224264	45.3	
60 n-Butanol	56	5.848	5.848	0.0	88	205457	1762.2	
63 Methyl methacrylate	41	6.189	6.189	0.0	93	122735	41.3	
66 1,4-Dioxane	88	6.286	6.286	0.0	92	68107	2346.5	
70 2-Nitropropane	43	6.639	6.639	0.0	98	115211	209.2	
71 Epichlorohydrin	57	6.754	6.754	0.0	98	313434	860.2	
85 3-Chlorobenzotrifluoride	180	8.415	8.415	0.0	91	213299	51.4	

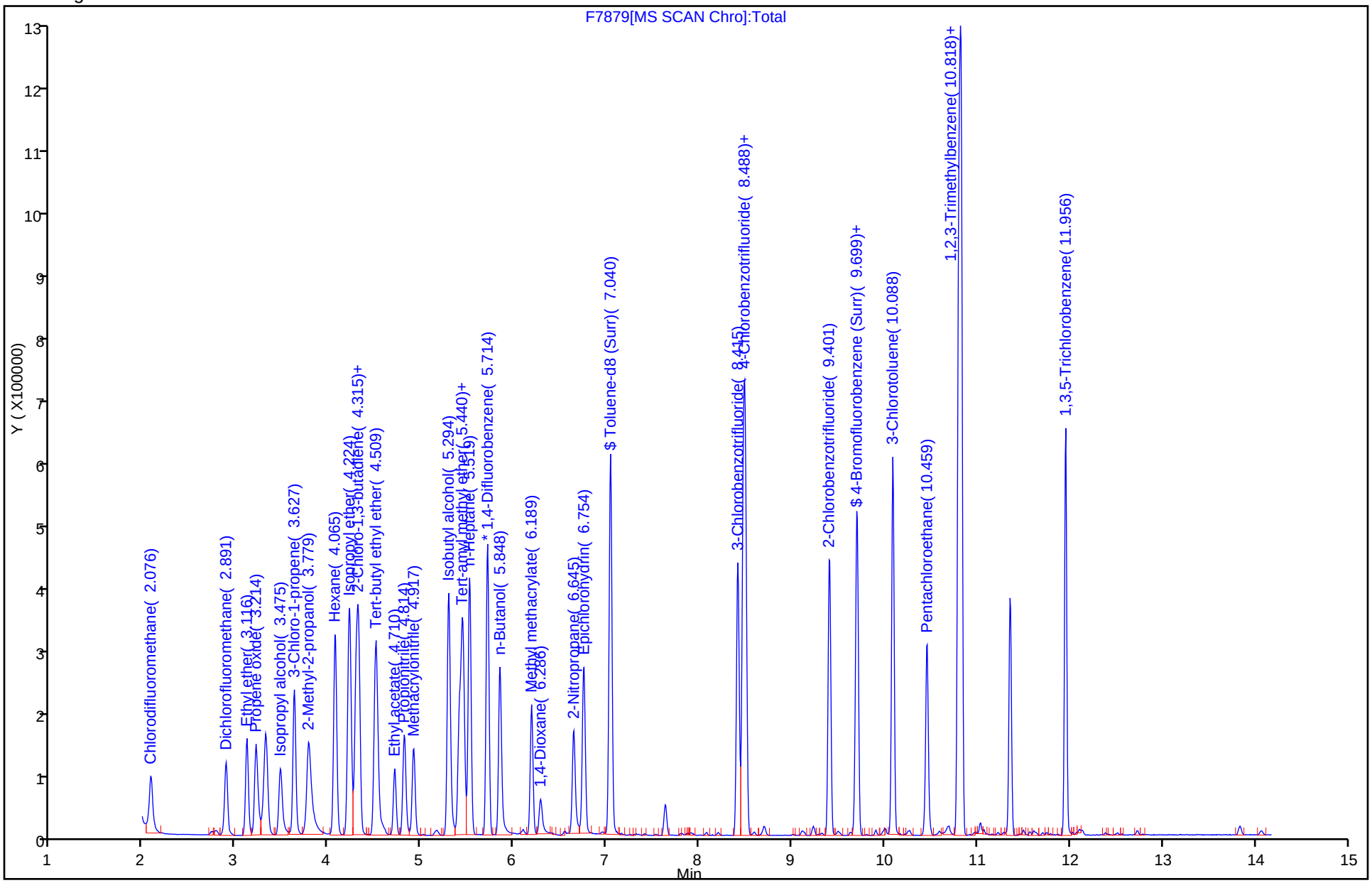
Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/kg	Flags
86 4-Chlorobenzotrifluoride	180	8.476	8.476	0.0	90	203225	51.2	
93 2-Chlorobenzotrifluoride	180	9.407	9.407	0.0	97	205906	52.3	
96 Cyclohexanone	55	9.693	9.693	0.0	91	65692	467.1	
104 3-Chlorotoluene	126	10.088	10.088	0.0	95	178887	48.5	
108 Pentachloroethane	167	10.459	10.459	0.0	83	65027	54.9	
114 Dicyclopentadiene	66	10.812	10.812	0.0	96	580685	49.0	
112 1,2,3-Trimethylbenzene	105	10.830	10.830	0.0	93	565511	50.5	
118 1,3,5-Trichlorobenzene	180	11.956	11.956	0.0	94	233227	53.8	

Report Date: 06-Apr-2012 22:26:07 Chrom Revision: 2.0 20-Feb-2012 13:27:02

Data File: \\Bufchrom\ChromData\HP5973F\20120406-10799.b\F7879.D

Injection Date:	06-Apr-2012 22:01:30	Limit Group:	MV - 8260B ICAL
Client ID:		Instrument ID:	HP5973F
Lims Batch ID:	58567	Lims Sample ID:	3
Operator ID:	CDC		
Column Type:	ZB-624	Column Dia:	0.25 mm

Y Scaling:



FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Buffalo Job No.: 480-18068-1

SDG No.:

Lab Sample ID: CCV 480-58567/3 Calibration Date: 04/06/2012 22:01

Instrument ID: HP5973F Calib Start Date: 03/09/2012 16:03

GC Column: ZB-624 (60) ID: 0.25(mm) Calib End Date: 03/09/2012 18:10

Lab File ID: F7879.D Conc. Units: ug/L Heated Purge: (Y/N) N

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Chlorodifluoromethane	Ave	0.2480	0.2136		43.1	50.0	-13.9	50.0
Dichlorofluoromethane	Ave	0.3433	0.3169		46.2	50.0	-7.7	50.0
Ethyl ether	Ave	0.2676	0.2266		42.4	50.0	-15.3	50.0
Isopropyl alcohol	Ave	0.0233	0.0230		989	1000	-1.1	50.0
Allyl chloride	Ave	0.4731	0.4124		43.6	50.0	-12.8	50.0
t-Butyl alcohol	Ave	0.0356	0.0349		980	1000	-2.0	50.0
Hexane	Ave	0.4368	0.4078		46.7	50.0	-6.7	50.0
Isopropyl ether	Ave	1.043	0.9482		45.4	50.0	-9.1	50.0
1,1-Dimethoxyethane	Ave	0.0495	0.0547		276	250	10.5	50.0
Chloroprene	Ave	0.4089	0.3669		44.9	50.0	-10.3	50.0
Tert-butyl ethyl ether	Ave	0.8965	0.8224		45.9	50.0	-8.3	50.0
Ethyl acetate	Ave	0.3537	0.2971		42.0	50.0	-16.0	50.0
Propionitrile	Ave	0.0478	0.0442		461	500	-7.7	50.0
Methacrylonitrile	Ave	0.2127	0.1805		42.4	50.0	-15.1	50.0
Isobutyl alcohol	Ave	0.0169	0.0168		1980	2000	-0.9	50.0
Tert-amyl methyl ether	Ave	0.7627	0.7390		48.4	50.0	-3.1	50.0
n-Heptane	Ave	0.5076	0.4595		45.3	50.0	-9.5	50.0
n-Butanol	LinF		0.0105		1760	2000	-11.9	50.0
Methyl methacrylate	Ave	0.3042	0.2515		41.3	50.0	-17.3	50.0
1,4-Dioxane	Ave	0.0069	0.0081		2350	2000	17.3	50.0
2-Nitropropane	QuaF		0.0980		209	250	-16.3	50.0
Epichlorohydrin	Ave	0.0373	0.0321		860	1000	-14.0	50.0
3-Chlorobenzotrifluoride	Ave	0.8825	0.9071		51.4	50.0	2.8	50.0
p-Monochlorobenzotrifluoride	Ave	0.8446	0.8642		51.2	50.0	2.3	50.0
2-Chlorobenzotrifluoride	Ave	0.8367	0.8756		52.3	50.0	4.6	50.0
Cyclohexanone	Ave	0.0299	0.0279		467	500	-6.6	50.0
3-Chlorotoluene	Ave	0.7836	0.7607		48.5	50.0	-2.9	50.0
Pentachloroethane	Ave	0.2520	0.2765		54.9	50.0	9.7	50.0
Dicyclopentadiene	Ave	2.520	2.469		49.0	50.0	-2.0	50.0
1,2,3-Trimethylbenzene	Ave	2.381	2.405		50.5	50.0	1.0	50.0
1,3,5-Trichlorobenzene	Ave	0.9214	0.9918		53.8	50.0	7.6	50.0

TestAmerica Laboratories
Target Compound Quantitation Report

Data File: \\Bufchrom\ChromData\HP5973F\20120406-10799.b\F7879.D
Lims ID: CCV Client ID:
Inject. Date: 06-Apr-2012 22:01:30 Dil. Factor: 1.0000
Sample Type: CCV
Sample ID: CCV
Misc. Info.: 480-0010799-003 =480-0010799-003
Operator: CDC Instrument ID: HP5973F
Vol. Injected: 1.0000 ALS Bottle#: 2
Lims Batch ID: 58567 Lims Sample ID: 3
Sublist: chrom-F-8260 SOIL*sub5
Detector: MS SCAN

Method: \\Bufchrom\ChromData\HP5973F\20120406-10799.b\F-8260 SOIL.m
Last Update: 06-Apr-2012 22:26:07 Calib Date: 09-Mar-2012 18:10:30
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\Bufchrom\ChromData\HP5973F\20120309-10095.b\F7259.D
Limit Group: MV - 8260B ICAL
Integrator: RTE ID Type: Deconvolution ID
Process Host: CORP-CTX-19

First Level Reviewer: cwiklinc Date: 06-Apr-2012 22:26:07

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/kg	Flags
* 1 1,4-Difluorobenzene	114	5.714	5.714	0.0	93	488055	50.0	
* 2 Chlorobenzene-d5	82	8.494	8.494	0.0	82	210919	50.0	
* 3 1,4-Dichlorobenzene-d4	152	10.800	10.800	0.0	95	235157	50.0	
$ 4 1,2-Dichloroethane-d4 (Surr)	67	5.410	5.410	0.0	99	70821	47.7	
$ 5 Toluene-d8 (Surr)	98	7.040	7.040	0.0	92	518821	52.1	
$ 6 4-Bromofluorobenzene (Surr)	174	9.705	9.705	0.0	90	165906	50.0	
11 Chlorodifluoromethane	51	2.082	2.082	0.0	75	104262	43.1	
16 Dichlorofluoromethane	67	2.891	2.891	0.0	81	154647	46.2	
18 Ethyl ether	59	3.116	3.116	0.0	93	110606	42.4	
19 Propene oxide	58	3.214	3.214	0.0	94	180121	251.4	
24 Isopropyl alcohol	45	3.475	3.475	0.0	98	224689	989.3	
28 3-Chloro-1-propene	41	3.627	3.627	0.0	91	201287	43.6	
31 2-Methyl-2-propanol	59	3.779	3.779	0.0	98	340736	979.9	
35 Hexane	57	4.065	4.065	0.0	92	199019	46.7	
36 Isopropyl ether	45	4.224	4.224	0.0	96	462762	45.4	
38 1,1-Dimethoxyethane	75	4.297	4.297	0.0	95	133578	276.2	
40 2-Chloro-1,3-butadiene	53	4.321	4.321	0.0	87	179042	44.9	
41 Tert-butyl ethyl ether	59	4.509	4.509	0.0	97	401376	45.9	
42 Ethyl acetate	43	4.710	4.710	0.0	97	145002	42.0	
46 Propionitrile	54	4.814	4.814	0.0	100	215486	461.4	
47 Methacrylonitrile	41	4.917	4.917	0.0	93	88074	42.4	
53 Isobutyl alcohol	43	5.294	5.294	0.0	95	327574	1982.0	
56 Tert-amyl methyl ether	73	5.446	5.446	0.0	97	360678	48.4	
59 n-Heptane	43	5.519	5.519	0.0	93	224264	45.3	
60 n-Butanol	56	5.848	5.848	0.0	88	205457	1762.2	
63 Methyl methacrylate	41	6.189	6.189	0.0	93	122735	41.3	
66 1,4-Dioxane	88	6.286	6.286	0.0	92	68107	2346.5	
70 2-Nitropropane	43	6.639	6.639	0.0	98	115211	209.2	
71 Epichlorohydrin	57	6.754	6.754	0.0	98	313434	860.2	
85 3-Chlorobenzotrifluoride	180	8.415	8.415	0.0	91	213299	51.4	

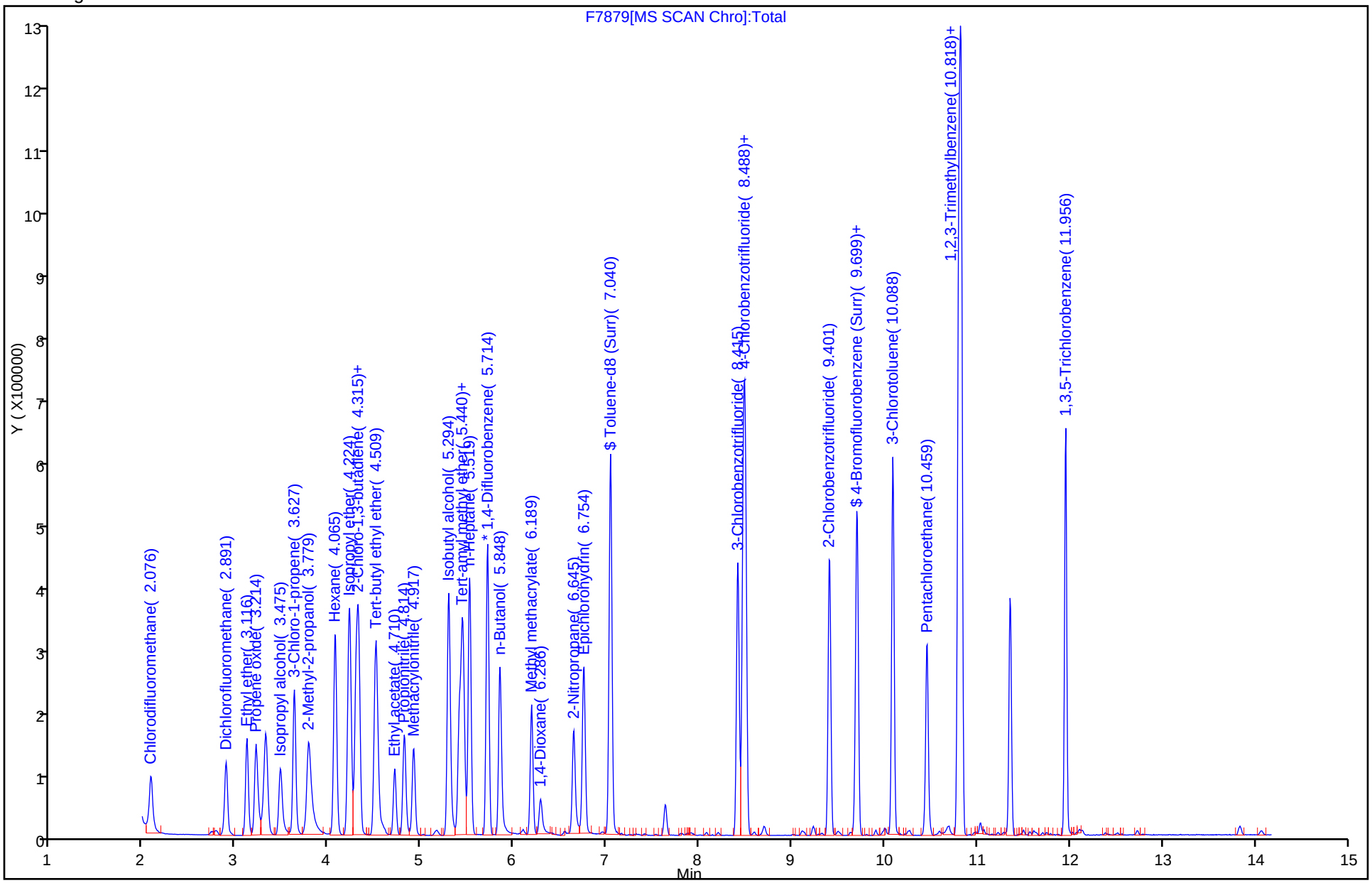
Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/kg	Flags
86 4-Chlorobenzotrifluoride	180	8.476	8.476	0.0	90	203225	51.2	
93 2-Chlorobenzotrifluoride	180	9.407	9.407	0.0	97	205906	52.3	
96 Cyclohexanone	55	9.693	9.693	0.0	91	65692	467.1	
104 3-Chlorotoluene	126	10.088	10.088	0.0	95	178887	48.5	
108 Pentachloroethane	167	10.459	10.459	0.0	83	65027	54.9	
114 Dicyclopentadiene	66	10.812	10.812	0.0	96	580685	49.0	
112 1,2,3-Trimethylbenzene	105	10.830	10.830	0.0	93	565511	50.5	
118 1,3,5-Trichlorobenzene	180	11.956	11.956	0.0	94	233227	53.8	

Report Date: 06-Apr-2012 22:26:07 Chrom Revision: 2.0 20-Feb-2012 13:27:02

Data File: \\Bufchrom\ChromData\HP5973F\20120406-10799.b\F7879.D

Injection Date:	06-Apr-2012 22:01:30	Limit Group:	MV - 8260B ICAL
Client ID:		Instrument ID:	HP5973F
Lims Batch ID:	58567	Lims Sample ID:	3
Operator ID:	CDC		
Column Type:	ZB-624	Column Dia:	0.25 mm

Y Scaling:



FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Buffalo Job No.: 480-18068-1

SDG No.:

Lab Sample ID: CCVIS 480-58856/3 Calibration Date: 04/10/2012 09:47

Instrument ID: HP5973F Calib Start Date: 03/07/2012 23:43

GC Column: ZB-624 (60) ID: 0.25(mm) Calib End Date: 03/08/2012 01:25

Lab File ID: F7960.D Conc. Units: ug/L Heated Purge: (Y/N) N

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Dichlorodifluoromethane	Ave	0.2059	0.1799		43.7	50.0	-12.6	50.0
Chloromethane	Ave	0.2765	0.2379	0.1000	43.0	50.0	-14.0	50.0
Vinyl chloride	Ave	0.2213	0.2060		46.5	50.0	-6.9	20.0
Bromomethane	Ave	0.1097	0.0947		43.2	50.0	-13.7	50.0
Chloroethane	Ave	0.1050	0.0928		44.2	50.0	-11.7	50.0
Trichlorofluoromethane	Ave	0.2394	0.2349		49.1	50.0	-1.9	50.0
Acrolein	Ave	0.0379	0.0211		558	1000	-44.2	50.0
1,1,2-Trichloro-1,2,2-trifluoroethane	Ave	0.2313	0.1840		39.8	50.0	-20.5	50.0
1,1-Dichloroethene	Ave	0.2420	0.2277	0.1000	47.0	50.0	-5.9	20.0
Acetone	Ave	0.1081	0.0783		181	250	-27.6	50.0
Iodomethane	Ave	0.3623	0.3193		44.1	50.0	-11.9	50.0
Carbon disulfide	Ave	0.6556	0.4956		37.8	50.0	-24.4	50.0
Methyl acetate	Ave	0.3785	0.2859		37.8	50.0	-24.4	50.0
Acetonitrile	Ave	0.0226	0.0191		1700	2000	-15.2	50.0
Methylene Chloride	Ave	0.2868	0.2676		46.7	50.0	-6.7	50.0
Methyl tert-butyl ether	Ave	0.8378	0.6792		40.5	50.0	-18.9	50.0
trans-1,2-Dichloroethene	Ave	0.2812	0.2651		47.1	50.0	-5.7	50.0
Acrylonitrile	Ave	0.1271	0.1022		201	250	-19.6	50.0
Vinyl acetate	Ave	0.6567	0.5250		200	250	-20.1	50.0
1,1-Dichloroethane	Ave	0.4772	0.4220		44.2	50.0	-11.6	50.0
2-Butanone (MEK)	Ave	0.1867	0.1358		182	250	-27.3	50.0
2,2-Dichloropropane	Ave	0.3267	0.3058		46.8	50.0	-6.4	50.0
cis-1,2-Dichloroethene	Ave	0.3174	0.2942		46.4	50.0	-7.3	50.0
Bromochloromethane	Ave	0.1669	0.1560		46.7	50.0	-6.6	50.0
Tetrahydrofuran	Ave	0.1231	0.0910		185	250	-26.0	50.0
Chloroform	Ave	0.4648	0.4132		44.4	50.0	-11.1	20.0
1,1,1-Trichloroethane	Ave	0.3695	0.3399		46.0	50.0	-8.0	50.0
Cyclohexane	Ave	0.4776	0.3720		38.9	50.0	-22.1	50.0
1,1-Dichloropropene	Ave	0.3625	0.3170		43.7	50.0	-12.6	50.0
Carbon tetrachloride	Ave	0.3123	0.2918		46.7	50.0	-6.6	50.0
Benzene	Ave	1.074	0.9829		45.8	50.0	-8.5	50.0
1,2-Dichloroethane	Ave	0.3784	0.3116		41.2	50.0	-17.7	50.0
Trichloroethene	Ave	0.2881	0.2635		45.7	50.0	-8.5	50.0
Methylcyclohexane	Ave	0.4705	0.3917		41.6	50.0	-16.7	50.0
1,2-Dichloropropane	Ave	0.2858	0.2525		44.2	50.0	-11.7	20.0
Dibromomethane	Ave	0.1702	0.1462		42.9	50.0	-14.1	50.0
Bromodichloromethane	Ave	0.3334	0.2868		43.0	50.0	-14.0	50.0
2-Chloroethyl vinyl ether	Ave	0.2068	0.1664		201	250	-19.5	50.0
cis-1,3-Dichloropropene	Ave	0.4314	0.3701		42.9	50.0	-14.2	50.0
4-Methyl-2-pentanone (MIBK)	Ave	0.8542	0.6771		198	250	-20.7	50.0

FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Buffalo Job No.: 480-18068-1

SDG No.:

Lab Sample ID: CCVIS 480-58856/3 Calibration Date: 04/10/2012 09:47

Instrument ID: HP5973F Calib Start Date: 03/07/2012 23:43

GC Column: ZB-624 (60) ID: 0.25(mm) Calib End Date: 03/08/2012 01:25

Lab File ID: F7960.D Conc. Units: ug/L Heated Purge: (Y/N) N

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Toluene	Ave	1.664	1.584		47.6	50.0	-4.9	20.0
Ethyl methacrylate	Ave	0.9228	0.7654		41.5	50.0	-17.1	50.0
trans-1,3-Dichloropropene	Ave	0.9099	0.7833		43.0	50.0	-13.9	50.0
1,1,2-Trichloroethane	Ave	0.5001	0.4427		44.3	50.0	-11.5	50.0
Tetrachloroethene	Ave	0.7388	0.7456		50.5	50.0	0.9	50.0
1,3-Dichloropropane	Ave	1.038	0.9115		43.9	50.0	-12.1	50.0
2-Hexanone	Ave	0.6379	0.4798		188	250	-24.8	50.0
Dibromochloromethane	Ave	0.6588	0.5982		45.4	50.0	-9.2	50.0
1,2-Dibromoethane	Ave	0.6697	0.6077		45.4	50.0	-9.3	50.0
Chlorobenzene	Ave	2.027	1.928	0.3000	47.6	50.0	-4.9	50.0
Ethylbenzene	Ave	3.069	2.923		47.6	50.0	-4.8	20.0
1,1,1,2-Tetrachloroethane	Ave	0.6553	0.6518		49.7	50.0	-0.5	50.0
m,p-Xylene	Ave	1.283	1.232		96.0	100	-4.0	50.0
o-Xylene	Ave	1.233	1.189		48.2	50.0	-3.6	50.0
Styrene	Ave	2.044	1.966		48.1	50.0	-3.8	50.0
Bromoform	Ave	0.3801	0.3397	0.1000	44.7	50.0	-10.6	50.0
Isopropylbenzene	Ave	2.706	2.517		46.5	50.0	-7.0	50.0
1,1,2,2-Tetrachloroethane	Ave	0.7166	0.6083	0.3000	42.4	50.0	-15.1	50.0
Bromobenzene	Ave	0.7878	0.7216		45.8	50.0	-8.4	50.0
trans-1,4-Dichloro-2-butene	Ave	0.2406	0.1789		186	250	-25.6	50.0
N-Propylbenzene	Ave	3.278	2.948		45.0	50.0	-10.1	50.0
1,2,3-Trichloropropane	Ave	0.2483	0.1994		40.2	50.0	-19.7	50.0
2-Chlorotoluene	Ave	0.7471	0.6934		46.4	50.0	-7.2	50.0
1,3,5-Trimethylbenzene	Ave	2.282	2.132		46.7	50.0	-6.6	50.0
4-Chlorotoluene	Ave	0.7987	0.7251		45.4	50.0	-9.2	50.0
tert-Butylbenzene	Ave	0.5765	0.5431		47.1	50.0	-5.8	50.0
1,2,4-Trimethylbenzene	Ave	2.322	2.149		46.3	50.0	-7.5	50.0
sec-Butylbenzene	Ave	2.926	2.719		46.4	50.0	-7.1	50.0
4-Isopropyltoluene	Ave	2.670	2.512		47.0	50.0	-5.9	50.0
1,3-Dichlorobenzene	Ave	1.504	1.384		46.0	50.0	-7.9	50.0
1,4-Dichlorobenzene	Ave	1.550	1.414		45.6	50.0	-8.8	50.0
n-Butylbenzene	Ave	2.179	2.014		46.2	50.0	-7.6	50.0
1,2-Dichlorobenzene	Ave	1.420	1.317		46.4	50.0	-7.2	50.0
1,2-Dibromo-3-Chloropropane	Ave	0.1193	0.0895		37.5	50.0	-25.0	50.0
1,2,4-Trichlorobenzene	Ave	0.8879	0.8830		49.7	50.0	-0.6	50.0
Hexachlorobutadiene	Ave	0.3855	0.3871		50.2	50.0	0.4	50.0
Naphthalene	Ave	2.610	2.317		44.4	50.0	-11.2	50.0
1,2,3-Trichlorobenzene	Ave	0.8054	0.7874		48.9	50.0	-2.2	50.0
1,2-Dichloroethane-d4 (Surr)	Ave	0.1520	0.1390		45.7	50.0	-8.5	50.0
Toluene-d8 (Surr)	Ave	2.361	2.579		54.6	50.0	9.2	50.0
4-Bromofluorobenzene (Surr)	Ave	0.7860	0.8467		53.9	50.0	7.7	50.0

TestAmerica Laboratories
Target Compound Quantitation Report

Data File: \\Bufchrom\ChromData\HP5973F\20120410-10858.b\F7960.D
Lims ID: CCVIS Client ID:
Inject. Date: 10-Apr-2012 09:47:30 Dil. Factor: 1.0000
Sample Type: CCVIS
Sample ID: CCVIS
Misc. Info.: 480-0010858-003 =480-0010858-003
Operator: jmb Instrument ID: HP5973F
Vol. Injected: 1.0000 ALS Bottle#: 3
Lims Batch ID: 58856 Lims Sample ID: 3
Sublist: chrom-F-8260 SOIL*sub1
Detector: MS SCAN

Method: \\Bufchrom\ChromData\HP5973F\20120410-10858.b\F-8260 SOIL.m
Last Update: 10-Apr-2012 17:29:24 Calib Date: 09-Mar-2012 18:10:30
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\Bufchrom\ChromData\HP5973F\20120309-10095.b\F7259.D
Limit Group: MV - 8260B ICAL
Integrator: RTE ID Type: Deconvolution ID
Process Host: CORP-CTX-19

First Level Reviewer: cwiklinc Date: 10-Apr-2012 17:29:24

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/kg	Flags
* 1 1,4-Difluorobenzene	114	5.714	5.714	0.0	93	464711	50.0	
* 2 Chlorobenzene-d5	82	8.500	8.500	0.0	77	192210	50.0	
* 3 1,4-Dichlorobenzene-d4	152	10.800	10.800	0.0	89	231066	50.0	
$ 4 1,2-Dichloroethane-d4 (Surr)	67	5.410	5.410	0.0	95	64581	45.7	
$ 5 Toluene-d8 (Surr)	98	7.040	7.040	0.0	91	495795	54.6	
$ 6 4-Bromofluorobenzene (Surr)	174	9.705	9.705	0.0	91	162737	53.9	
10 Dichlorodifluoromethane	85	2.070	2.070	0.0	82	83622	43.7	
12 Chloromethane	50	2.216	2.216	0.0	89	110548	43.0	
13 Vinyl chloride	62	2.338	2.338	0.0	83	95722	46.5	
14 Bromomethane	94	2.636	2.636	0.0	85	43997	43.2	
15 Chloroethane	64	2.715	2.715	0.0	90	43104	44.2	
17 Trichlorofluoromethane	101	2.940	2.940	0.0	81	109167	49.1	
20 Acrolein	56	3.281	3.281	0.0	93	196329	557.6	
21 1,1,2-Trichloro-1,2,2-trifluoroe	101	3.311	3.311	0.0	78	85499	39.8	
22 1,1-Dichloroethene	96	3.347	3.347	0.0	84	105801	47.0	
23 Acetone	43	3.390	3.390	0.0	98	181993	181.1	
25 Iodomethane	142	3.512	3.512	0.0	96	148368	44.1	
26 Carbon disulfide	76	3.566	3.566	0.0	99	230303	37.8	
27 Methyl acetate	43	3.615	3.615	0.0	91	132873	37.8	
29 Acetonitrile	40	3.652	3.652	0.0	99	355744	1696.2	
30 Methylene Chloride	84	3.743	3.743	0.0	87	124371	46.7	
32 Methyl tert-butyl ether	73	3.895	3.895	0.0	89	315629	40.5	
34 trans-1,2-Dichloroethene	96	3.932	3.932	0.0	96	123188	47.1	
33 Acrylonitrile	53	3.944	3.944	0.0	100	237412	201.1	
37 Vinyl acetate	43	4.254	4.254	0.0	97	1219931	199.9	
39 1,1-Dichloroethane	63	4.272	4.272	0.0	84	196083	44.2	
43 2-Butanone (MEK)	43	4.716	4.716	0.0	99	315503	181.8	
44 2,2-Dichloropropane	77	4.722	4.722	0.0	69	142106	46.8	
45 cis-1,2-Dichloroethene	96	4.735	4.735	0.0	68	136738	46.4	
48 Chlorobromomethane	128	4.947	4.947	0.0	91	72493	46.7	

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/kg	Flags
49 Tetrahydrofuran	42	4.960	4.960	0.0	92	211534	184.9	
50 Chloroform	83	4.978	4.978	0.0	81	192010	44.4	
51 1,1,1-Trichloroethane	97	5.124	5.124	0.0	91	157969	46.0	
52 Cyclohexane	56	5.154	5.154	0.0	90	172869	38.9	
54 1,1-Dichloropropene	75	5.246	5.246	0.0	93	147309	43.7	
55 Carbon tetrachloride	117	5.258	5.258	0.0	80	135578	46.7	
57 Benzene	78	5.434	5.434	0.0	97	456784	45.8	
58 1,2-Dichloroethane	62	5.471	5.471	0.0	85	144809	41.2	
62 Trichloroethene	95	5.963	5.963	0.0	89	122452	45.7	
64 Methylcyclohexane	83	6.097	6.097	0.0	88	182040	41.6	
65 1,2-Dichloropropane	63	6.182	6.182	0.0	93	117336	44.2	
67 Dibromomethane	93	6.322	6.322	0.0	84	67925	42.9	
68 Dichlorobromomethane	83	6.432	6.432	0.0	92	133279	43.0	
69 2-Chloroethyl vinyl ether	63	6.633	6.633	0.0	91	386655	201.2	
72 cis-1,3-Dichloropropene	75	6.809	6.809	0.0	88	171995	42.9	
73 4-Methyl-2-pentanone (MIBK)	43	6.906	6.906	0.0	96	650691	198.2	
74 Toluene	92	7.107	7.107	0.0	98	304377	47.6	
75 Ethyl methacrylate	69	7.320	7.320	0.0	90	147109	41.5	
77 trans-1,3-Dichloropropene	75	7.332	7.332	0.0	92	150554	43.0	
79 1,1,2-Trichloroethane	83	7.527	7.527	0.0	84	85097	44.3	
81 Tetrachloroethene	166	7.636	7.636	0.0	91	143303	50.5	
82 1,3-Dichloropropane	76	7.697	7.697	0.0	93	175207	43.9	
80 2-Hexanone	43	7.703	7.703	0.0	97	461114	188.0	
83 Chlorodibromomethane	129	7.941	7.941	0.0	85	114983	45.4	
84 Ethylene Dibromide	107	8.074	8.074	0.0	97	116812	45.4	
87 Chlorobenzene	112	8.525	8.525	0.0	95	370635	47.6	
88 Ethylbenzene	91	8.585	8.585	0.0	97	561909	47.6	
89 1,1,1,2-Tetrachloroethane	131	8.604	8.604	0.0	87	125286	49.7	
90 m-Xylene & p-Xylene	106	8.701	8.701	0.0	99	473433	96.0	
91 o-Xylene	106	9.139	9.139	0.0	93	228441	48.2	
92 Styrene	104	9.163	9.163	0.0	96	377963	48.1	
95 Bromoform	173	9.437	9.437	0.0	97	65293	44.7	
94 Isopropylbenzene	105	9.492	9.492	0.0	94	581676	46.5	
97 1,1,2,2-Tetrachloroethane	83	9.863	9.863	0.0	81	140546	42.4	
101 Bromobenzene	156	9.875	9.875	0.0	88	166730	45.8	
98 trans-1,4-Dichloro-2-butene	53	9.899	9.899	0.0	57	206685	185.9	
99 N-Propylbenzene	91	9.906	9.906	0.0	95	681119	45.0	
100 1,2,3-Trichloropropane	110	9.918	9.918	0.0	40	46069	40.2	
103 2-Chlorotoluene	126	10.033	10.033	0.0	98	160230	46.4	
102 1,3,5-Trimethylbenzene	105	10.064	10.064	0.0	95	492522	46.7	
105 4-Chlorotoluene	126	10.137	10.137	0.0	95	167551	45.4	
106 tert-Butylbenzene	134	10.380	10.380	0.0	88	125491	47.1	
107 1,2,4-Trimethylbenzene	105	10.429	10.429	0.0	94	496536	46.3	
109 sec-Butylbenzene	105	10.581	10.581	0.0	92	628158	46.4	
110 4-Isopropyltoluene	119	10.703	10.703	0.0	96	580408	47.0	
111 1,3-Dichlorobenzene	146	10.739	10.739	0.0	95	319865	46.0	
113 1,4-Dichlorobenzene	146	10.818	10.818	0.0	96	326765	45.6	
115 n-Butylbenzene	91	11.068	11.068	0.0	95	465297	46.2	
116 1,2-Dichlorobenzene	146	11.165	11.165	0.0	98	304323	46.4	
117 1,2-Dibromo-3-Chloropropane	75	11.834	11.834	0.0	75	20681	37.5	
119 1,2,4-Trichlorobenzene	180	12.491	12.491	0.0	90	204021	49.7	
120 Hexachlorobutadiene	225	12.582	12.582	0.0	95	89455	50.2	

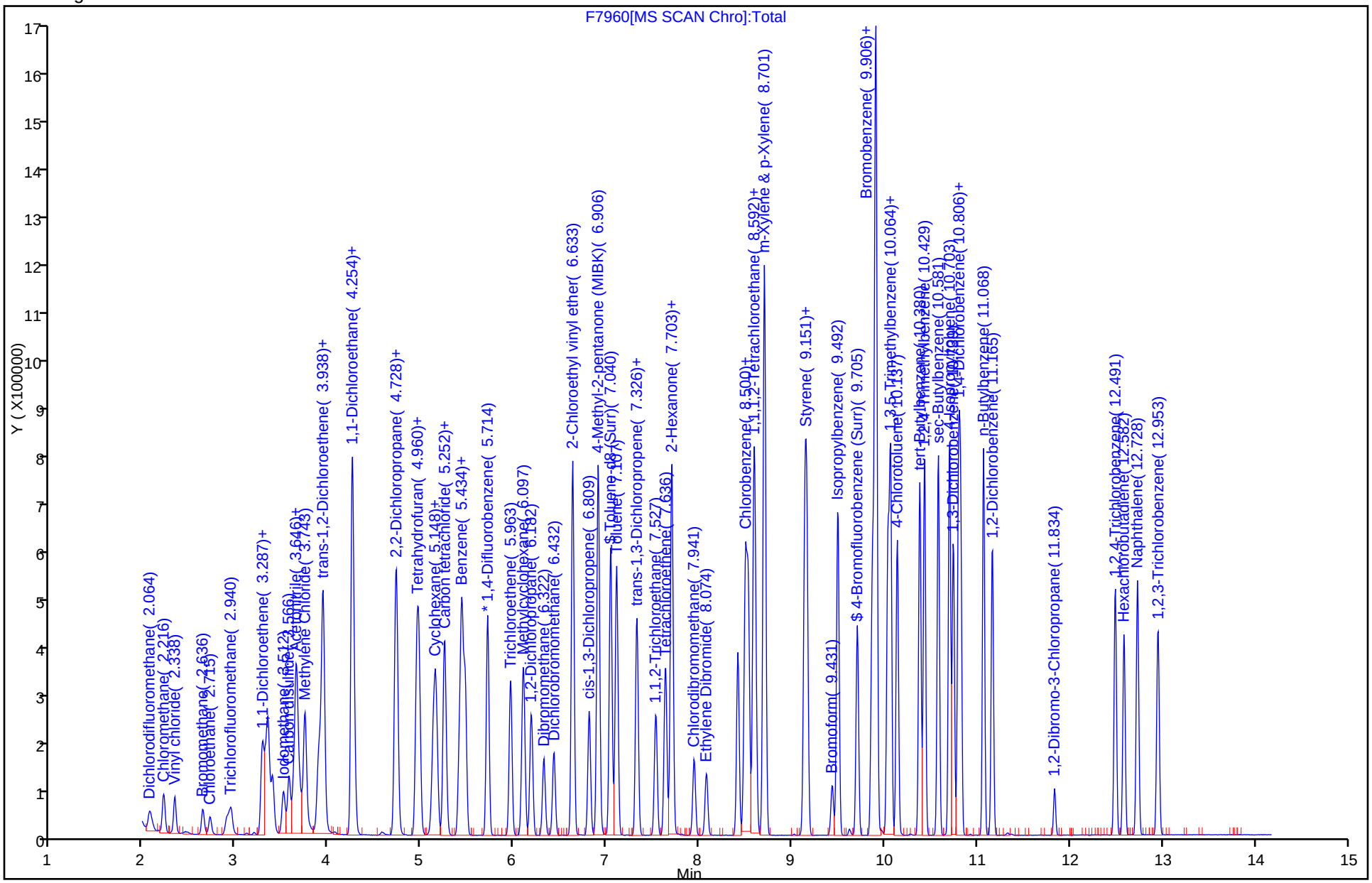
Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/kg	Flags
121 Naphthalene	128	12.728	12.728	0.0	96	535305	44.4	
122 1,2,3-Trichlorobenzene	180	12.953	12.953	0.0	96	181950	48.9	
S 125 1,2-Dichloroethene, Total	1				0		93.5	
S 126 1,3-Dichloropropene, Total	1				0		85.9	
S 123 Total BTEX	1				0		285.2	
S 124 Xylenes, Total	1				0		144.2	

Report Date: 10-Apr-2012 17:29:24 Chrom Revision: 2.0 20-Feb-2012 13:27:02

Data File: \\Bufchrom\ChromData\HP5973F\20120410-10858.b\F7960.D

Injection Date:	10-Apr-2012 09:47:30	Limit Group:	MV - 8260B ICAL
Client ID:		Instrument ID:	HP5973F
Lims Batch ID:	58856	Lims Sample ID:	3
Operator ID:	jmb		
Column Type:	ZB-624	Column Dia:	0.25 mm

Y Scaling:



FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Buffalo Job No.: 480-18068-1

SDG No.:

Lab Sample ID: CCVIS 480-58634/2 Calibration Date: 04/07/2012 21:47

Instrument ID: HP5973G Calib Start Date: 03/24/2012 01:37

GC Column: ZB-624 (60) ID: 0.25(mm) Calib End Date: 03/24/2012 03:26

Lab File ID: G10801.D Conc. Units: ug/L Heated Purge: (Y/N) N

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Dichlorodifluoromethane	Ave	0.3497	0.4374		31.3	25.0	25.1	50.0
Chloromethane	Ave	0.6073	0.6275	0.1000	25.8	25.0	3.3	50.0
Vinyl chloride	Ave	0.5159	0.5979		29.0	25.0	15.9	20.0
Bromomethane	LinF		0.1145		34.1	25.0	36.4	50.0
Chloroethane	Ave	0.2678	0.2754		25.7	25.0	2.8	50.0
Trichlorofluoromethane	Ave	0.4028	0.4235		26.3	25.0	5.2	50.0
Acrolein	Ave	0.0544	0.0546		502	500	0.4	50.0
1,1-Dichloroethene	Ave	0.3758	0.3814	0.1000	25.4	25.0	1.5	20.0
1,1,2-Trichloro-1,2,2-trifluoroethane	Lin1F		0.2210		20.0	25.0	-20.0	50.0
Acetone	Ave	0.1714	0.1986		145	125	15.9	50.0
Iodomethane	Ave	0.3034	0.2590		21.3	25.0	-14.7	50.0
Carbon disulfide	LinF		0.4174		9.73	25.0	-61.1*	50.0
Methyl acetate	Ave	0.6345	0.6380		25.1	25.0	0.6	50.0
Acetonitrile	Lin1F		0.0490		1070	1000	7.1	50.0
Methylene Chloride	Ave	0.4873	0.4781		24.5	25.0	-1.9	50.0
Methyl tert-butyl ether	Ave	1.222	1.161		23.8	25.0	-5.0	50.0
trans-1,2-Dichloroethene	Ave	0.4195	0.4178		24.9	25.0	-0.4	50.0
Acrylonitrile	Ave	0.2445	0.2670		137	125	9.2	50.0
1,1-Dichloroethane	Ave	0.5936	0.7124		30.0	25.0	20.0	50.0
Vinyl acetate	Ave	0.9887	0.9906		125	125	0.2	50.0
2,2-Dichloropropane	Ave	0.2389	0.2403		25.2	25.0	0.6	50.0
cis-1,2-Dichloroethene	Ave	0.3497	0.4017		28.7	25.0	14.9	50.0
2-Butanone (MEK)	Ave	0.3631	0.3920		135	125	7.9	50.0
Bromochloromethane	Ave	0.1598	0.1725		27.0	25.0	7.9	50.0
Tetrahydrofuran	Ave	0.2397	0.2609		136	125	8.8	50.0
Chloroform	Ave	0.3701	0.3888		26.3	25.0	5.0	20.0
1,1,1-Trichloroethane	Ave	0.3623	0.3488		24.1	25.0	-3.7	50.0
Cyclohexane	Ave	0.5619	0.7048		31.4	25.0	25.4	50.0
Carbon tetrachloride	QuaF		0.3037		26.5	25.0	6.0	50.0
1,1-Dichloropropene	Ave	0.5304	0.5391		25.4	25.0	1.6	50.0
Benzene	Ave	1.615	1.621		25.1	25.0	0.3	50.0
1,2-Dichloroethane	Ave	0.5683	0.5344		23.5	25.0	-6.0	50.0
Trichloroethene	Ave	0.3813	0.3812		25.0	25.0	-0.0	50.0
Methylcyclohexane	Ave	0.5062	0.6005		29.7	25.0	18.6	50.0
1,2-Dichloropropane	Ave	0.4332	0.4325		25.0	25.0	-0.2	20.0
Dibromomethane	Ave	0.2212	0.2085		23.6	25.0	-5.7	50.0
Bromodichloromethane	Ave	0.3875	0.3350		21.6	25.0	-13.6	50.0
2-Chloroethyl vinyl ether	Ave	0.3385	0.3342		123	125	-1.3	50.0
cis-1,3-Dichloropropene	Ave	0.5702	0.4931		21.6	25.0	-13.5	50.0
4-Methyl-2-pentanone (MIBK)	Ave	1.286	1.353		132	125	5.2	50.0

FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Buffalo Job No.: 480-18068-1

SDG No.:

Lab Sample ID: CCVIS 480-58634/2 Calibration Date: 04/07/2012 21:47

Instrument ID: HP5973G Calib Start Date: 03/24/2012 01:37

GC Column: ZB-624 (60) ID: 0.25(mm) Calib End Date: 03/24/2012 03:26

Lab File ID: G10801.D Conc. Units: ug/L Heated Purge: (Y/N) N

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Toluene	Ave	1.968	1.997		25.4	25.0	1.4	20.0
trans-1,3-Dichloropropene	Ave	0.9808	0.8208		20.9	25.0	-16.3	50.0
Ethyl methacrylate	Lin1F		1.135		21.9	25.0	-12.4	50.0
1,1,2-Trichloroethane	Ave	0.5574	0.5493		24.6	25.0	-1.5	50.0
Tetrachloroethene	Ave	0.6886	0.7128		25.9	25.0	3.5	50.0
1,3-Dichloropropane	Ave	1.270	1.225		24.1	25.0	-3.5	50.0
2-Hexanone	Ave	0.9808	1.074		137	125	9.5	50.0
Dibromochloromethane	QuaF		0.3656		19.2	25.0	-23.2	50.0
1,2-Dibromoethane	Ave	0.6695	0.6595		24.6	25.0	-1.5	50.0
Chlorobenzene	Ave	2.082	2.086	0.3000	25.1	25.0	0.2	50.0
Ethylbenzene	Ave	3.647	3.741		25.6	25.0	2.6	20.0
1,1,1,2-Tetrachloroethane	Ave	0.5482	0.5148		23.5	25.0	-6.1	50.0
m,p-Xylene	Ave	1.419	1.465		51.6	50.0	3.3	50.0
o-Xylene	Ave	1.345	1.413		26.3	25.0	5.0	50.0
Styrene	Ave	2.184	2.354		26.9	25.0	7.8	50.0
Bromoform	QuaF		0.1728	0.1000	18.1	25.0	-27.6	50.0
Isopropylbenzene	Ave	4.028	4.033		25.0	25.0	0.1	50.0
Bromobenzene	Ave	0.8830	0.8650		24.5	25.0	-2.0	50.0
1,1,2,2-Tetrachloroethane	Ave	1.159	1.133	0.3000	24.5	25.0	-2.2	50.0
N-Propylbenzene	Ave	4.914	4.913		25.0	25.0	-0.0	50.0
1,2,3-Trichloropropane	Ave	0.3929	0.3820		24.3	25.0	-2.8	50.0
trans-1,4-Dichloro-2-butene	LinF		0.1832		55.9	125	-55.3*	50.0
2-Chlorotoluene	Ave	0.9078	0.9035		24.9	25.0	-0.5	50.0
1,3,5-Trimethylbenzene	Ave	3.389	3.477		25.7	25.0	2.6	50.0
4-Chlorotoluene	Ave	0.9657	0.9480		24.5	25.0	-1.8	50.0
tert-Butylbenzene	Ave	0.7129	0.7230		25.4	25.0	1.4	50.0
1,2,4-Trimethylbenzene	Ave	3.440	3.549		25.8	25.0	3.2	50.0
sec-Butylbenzene	Ave	4.285	4.395		25.6	25.0	2.6	50.0
1,3-Dichlorobenzene	Ave	1.804	1.859		25.8	25.0	3.1	50.0
4-Isopropyltoluene	Ave	3.518	3.677		26.1	25.0	4.5	50.0
1,4-Dichlorobenzene	Ave	1.896	1.920		25.3	25.0	1.3	50.0
n-Butylbenzene	Ave	3.272	3.456		26.4	25.0	5.6	50.0
1,2-Dichlorobenzene	Ave	1.770	1.810		25.6	25.0	2.2	50.0
1,2-Dibromo-3-Chloropropane	Ave	0.2066	0.1989		24.1	25.0	-3.7	50.0
1,2,4-Trichlorobenzene	Ave	1.105	1.084		24.5	25.0	-1.9	50.0
Hexachlorobutadiene	Ave	0.4522	0.4308		23.8	25.0	-4.7	50.0
Naphthalene	Ave	3.668	3.752		25.6	25.0	2.3	50.0
1,2,3-Trichlorobenzene	LinF		0.9518		29.0	25.0	16.0	50.0
1,2-Dichloroethane-d4 (Surr)	Ave	0.2019	0.1990		24.6	25.0	-1.4	50.0
Toluene-d8 (Surr)	Ave	2.422	2.624		27.1	25.0	8.3	50.0
4-Bromofluorobenzene (Surr)	Ave	0.6385	0.6929		27.1	25.0	8.5	50.0

TestAmerica Laboratories
Target Compound Quantitation Report

Data File: \\Bufchrom\ChromData\HP5973G\20120407-10813.b\G10801.D
Lims ID: CCVIS Client ID:
Inject. Date: 07-Apr-2012 21:47:30 Dil. Factor: 1.0000
Sample Type: CCVIS
Sample ID: CCVIS
Misc. Info.: 480-0010813-002 =480-0010813-002
Operator: DHC Instrument ID: HP5973G
Vol. Injected: 1.0000 ALS Bottle#: 28
Lims Batch ID: 58634 Lims Sample ID: 2
Sublist: chrom-G-8260*sub1
Detector: MS SCAN

Method: \\Bufchrom\ChromData\HP5973G\20120407-10813.b\G-8260.m
Last Update: 09-Apr-2012 16:48:44 Calib Date: 24-Mar-2012 03:26:30
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\Bufchrom\ChromData\HP5973G\20120323-10429.b\G10255.D
Limit Group: MV - 8260B ICAL
Integrator: RTE ID Type: Deconvolution ID
Process Host: CORP-CTX-16

First Level Reviewer: larsonr Date: 09-Apr-2012 16:48:44

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/L	Flags
* 1 1,4-Difluorobenzene	114	5.356	5.356	0.0	95	212197	25.0	
* 2 Chlorobenzene-d5	82	8.221	8.221	0.0	87	111604	25.0	
* 3 1,4-Dichlorobenzene-d4	152	10.629	10.629	0.0	84	104915	25.0	
$ 4 1,2-Dichloroethane-d4 (Surr)	67	4.972	4.972	0.0	0	42219	24.6	
$ 5 Toluene-d8 (Surr)	98	6.740	6.740	0.0	91	292853	27.1	
$ 6 4-Bromofluorobenzene (Surr)	174	9.477	9.477	0.0	82	77333	27.1	
10 Dichlorodifluoromethane	85	1.241	1.241	0.0	98	92809	31.3	
12 Chloromethane	50	1.375	1.375	0.0	89	133156	25.8	
13 Vinyl chloride	62	1.491	1.491	0.0	54	126882	29.0	
14 Bromomethane	94	1.747	1.747	0.0	89	24295	34.1	
15 Chloroethane	64	1.881	1.881	0.0	93	58430	25.7	
17 Trichlorofluoromethane	101	2.094	2.094	0.0	95	89870	26.3	
19 Acrolein	56	2.491	2.491	0.0	98	231831	502.1	
20 1,1-Dichloroethene	96	2.558	2.558	0.0	89	80932	25.4	
21 1,1,2-Trichloro-1,2,2-trifluoroe	101	2.564	2.564	0.0	41	46885	20.0	
22 Acetone	43	2.655	2.655	0.0	100	210751	144.9	
23 Iodomethane	142	2.728	2.728	0.0	98	54956	21.3	
24 Carbon disulfide	76	2.765	2.765	0.0	99	88568	9.73	
28 Methyl acetate	43	2.936	2.936	0.0	97	135385	25.1	
27 Acetonitrile	40	2.960	2.960	0.0	99	416081	1070.6	
29 Methylene Chloride	84	3.082	3.082	0.0	90	101450	24.5	
31 Methyl tert-butyl ether	73	3.241	3.241	0.0	92	246390	23.8	
32 trans-1,2-Dichloroethene	96	3.241	3.241	0.0	95	88660	24.9	
33 Acrylonitrile	53	3.314	3.314	0.0	100	283277	136.5	
36 1,1-Dichloroethane	63	3.655	3.655	0.0	85	151162	30.0	
38 Vinyl acetate	43	3.716	3.716	0.0	97	1051018	125.2	
42 2,2-Dichloropropane	77	4.167	4.167	0.0	92	50997	25.2	
43 cis-1,2-Dichloroethene	96	4.204	4.204	0.0	82	85248	28.7	
44 2-Butanone (MEK)	43	4.253	4.253	0.0	99	415879	134.9	
48 Chlorobromomethane	128	4.435	4.435	0.0	91	36600	27.0	

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/L	Flags
49 Tetrahydrofuran	42	4.460	4.460	0.0	92	276795	136.1	
50 Chloroform	85	4.515	4.515	0.0	82	82498	26.3	
51 1,1,1-Trichloroethane	97	4.618	4.618	0.0	92	74003	24.1	
52 Cyclohexane	56	4.618	4.618	0.0	92	149554	31.4	
53 Carbon tetrachloride	117	4.752	4.752	0.0	78	64449	26.5	
54 1,1-Dichloropropene	75	4.771	4.771	0.0	94	114404	25.4	
56 Benzene	78	4.972	4.972	0.0	96	343927	25.1	
57 1,2-Dichloroethane	62	5.045	5.045	0.0	90	113398	23.5	
61 Trichloroethene	95	5.582	5.582	0.0	95	80899	25.0	
62 Methylcyclohexane	83	5.691	5.691	0.0	95	127413	29.7	
63 1,2-Dichloropropane	63	5.819	5.819	0.0	95	91765	25.0	
65 Dibromomethane	93	5.953	5.953	0.0	88	44250	23.6	
67 Dichlorobromomethane	83	6.112	6.112	0.0	92	71084	21.6	
70 2-Chloroethyl vinyl ether	63	6.392	6.392	0.0	90	354609	123.4	
72 cis-1,3-Dichloropropene	75	6.527	6.527	0.0	89	104643	21.6	
73 4-Methyl-2-pentanone (MIBK)	43	6.679	6.679	0.0	96	754886	131.5	
74 Toluene	92	6.807	6.807	0.0	99	222829	25.4	
76 trans-1,3-Dichloropropene	75	7.093	7.093	0.0	92	91607	20.9	
78 Ethyl methacrylate	69	7.142	7.142	0.0	92	126676	21.9	
79 1,1,2-Trichloroethane	83	7.282	7.282	0.0	87	61304	24.6	
80 Tetrachloroethene	166	7.331	7.331	0.0	85	79554	25.9	
81 1,3-Dichloropropane	76	7.441	7.441	0.0	94	136744	24.1	
82 2-Hexanone	43	7.514	7.514	0.0	96	599301	136.9	
83 Chlorodibromomethane	129	7.673	7.673	0.0	90	40807	19.2	
84 Ethylene Dibromide	107	7.776	7.776	0.0	98	73597	24.6	
86 Chlorobenzene	112	8.246	8.246	0.0	91	232804	25.1	
89 Ethylbenzene	91	8.343	8.343	0.0	99	417479	25.6	
88 1,1,1,2-Tetrachloroethane	131	8.349	8.349	0.0	91	57453	23.5	
90 m-Xylene & p-Xylene	106	8.465	8.465	0.0	99	327061	51.6	
91 o-Xylene	106	8.892	8.892	0.0	98	157696	26.3	
92 Styrene	104	8.922	8.922	0.0	96	262711	26.9	
93 Bromoform	173	9.172	9.172	0.0	93	19282	18.1	
95 Isopropylbenzene	105	9.276	9.276	0.0	96	423080	25.0	
97 Bromobenzene	156	9.623	9.623	0.0	97	90755	24.5	
98 1,1,2,2-Tetrachloroethane	83	9.697	9.697	0.0	71	118883	24.5	
101 N-Propylbenzene	91	9.715	9.715	0.0	99	515439	25.0	
99 1,2,3-Trichloropropane	110	9.727	9.727	0.0	75	40079	24.3	
100 trans-1,4-Dichloro-2-butene	53	9.739	9.739	0.0	73	96083	55.9	
102 2-Chlorotoluene	126	9.819	9.819	0.0	95	94795	24.9	
104 1,3,5-Trimethylbenzene	105	9.898	9.898	0.0	93	364808	25.7	
105 4-Chlorotoluene	126	9.928	9.928	0.0	98	99461	24.5	
106 tert-Butylbenzene	134	10.215	10.215	0.0	92	75857	25.4	
107 1,2,4-Trimethylbenzene	105	10.270	10.270	0.0	97	372387	25.8	
109 sec-Butylbenzene	105	10.428	10.428	0.0	94	461122	25.6	
110 1,3-Dichlorobenzene	146	10.562	10.562	0.0	96	195060	25.8	
111 4-Isopropyltoluene	119	10.574	10.574	0.0	97	385722	26.1	
113 1,4-Dichlorobenzene	146	10.654	10.654	0.0	92	201436	25.3	
115 n-Butylbenzene	91	10.965	10.965	0.0	98	362589	26.4	
116 1,2-Dichlorobenzene	146	11.007	11.007	0.0	95	189868	25.6	
117 1,2-Dibromo-3-Chloropropane	75	11.751	11.751	0.0	69	20869	24.1	
119 1,2,4-Trichlorobenzene	180	12.422	12.422	0.0	94	113705	24.5	
120 Hexachlorobutadiene	225	12.531	12.531	0.0	97	45197	23.8	

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/L	Flags
121 Naphthalene	128	12.635	12.635	0.0	97	393607	25.6	
122 1,2,3-Trichlorobenzene	180	12.842	12.842	0.0	95	99861	29.0	
S 125 1,2-Dichloroethene, Total	1				0		53.6	
S 126 1,3-Dichloropropene, Total	1				0		42.5	
S 123 Total BTEX	1				0		154.0	
S 124 Xylenes, Total	1				0		77.9	

Report Date: 09-Apr-2012 16:48:44 Chrom Revision: 2.0 20-Feb-2012 13:27:02

Data File: \\Bufchrom\ChromData\HP5973G\20120407-10813.b\G10801.D

Injection Date: 07-Apr-2012 21:47:30 Limit Group: MV - 8260B ICAL

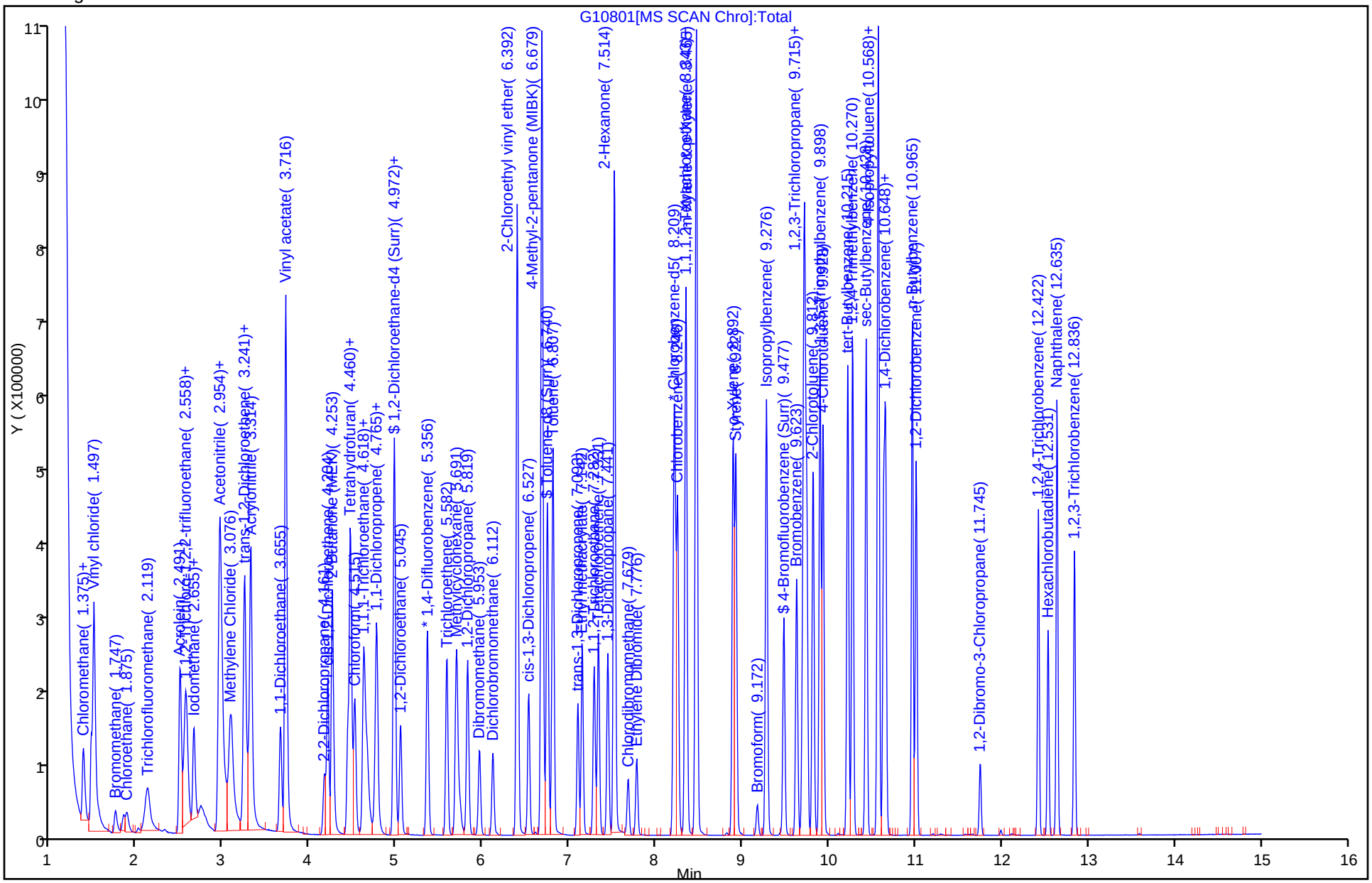
Client ID: Instrument ID: HP5973G

Lims Batch ID: 58634 Lims Sample ID: 2

Operator ID: DHC

Column Type: ZB-624 Column Dia: 0.25 mm

Y Scaling:



FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Buffalo Job No.: 480-18068-1

SDG No.:

Lab Sample ID: CCV 480-58634/3 Calibration Date: 04/07/2012 22:20

Instrument ID: HP5973G Calib Start Date: 03/15/2012 17:01

GC Column: ZB-624 (60) ID: 0.25(mm) Calib End Date: 03/15/2012 18:51

Lab File ID: G10802.D Conc. Units: ug/L Heated Purge: (Y/N) N

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Chlorodifluoromethane	Lin1F		0.4209		18.6	25.0	-25.6	50.0
Dichlorofluoromethane	Ave	0.6545	0.5155		19.7	25.0	-21.2	50.0
Ethyl ether	Ave	0.3633	0.4238		29.2	25.0	16.7	50.0
Isopropyl alcohol	Ave	0.0682	0.0729		535	500	6.9	50.0
Allyl chloride	Ave	0.3269	0.3298		25.2	25.0	0.9	50.0
t-Butyl alcohol	Ave	0.1124	0.1200		534	500	6.7	50.0
Hexane	Ave	0.5975	0.7860		32.9	25.0	31.5	50.0
Isopropyl ether	Ave	1.448	1.709		29.5	25.0	18.0	50.0
Chloroprene	Ave	0.6148	0.7628		31.0	25.0	24.1	50.0
1,1-Dimethoxyethane	Ave	0.1158	0.1063		115	125	-8.2	50.0
Tert-butyl ethyl ether	Ave	1.314	1.461		27.8	25.0	11.2	50.0
Ethyl acetate	Ave	0.6844	0.7699		28.1	25.0	12.5	50.0
Propionitrile	Ave	0.1187	0.1376		290	250	16.0	50.0
Methacrylonitrile	Ave	0.4023	0.4445		27.6	25.0	10.5	50.0
Isobutyl alcohol	Ave	0.0606	0.0661		1090	1000	9.2	50.0
Tert-amyl methyl ether	Ave	1.124	1.247		27.7	25.0	10.9	50.0
n-Heptane	Ave	0.6824	0.7057		25.9	25.0	3.4	50.0
n-Butanol	Ave	0.0311	0.0346		1110	1000	11.3	50.0
Methyl methacrylate	Ave	0.5500	0.5919		26.9	25.0	7.6	50.0
1,4-Dioxane	Ave	0.0154	0.0155		1010	1000	0.9	50.0
2-Nitropropane	QuaF		0.1974		141	125	12.4	50.0
Epichlorohydrin	Ave	0.0861	0.0971		564	500	12.8	50.0
2-Methylthiophene	Ave	2.688	2.684		25.0	25.0	-0.2	50.0
3-Methylthiophene	Ave	2.791	2.639		23.6	25.0	-5.5	50.0
3-Chlorobenzotrifluoride	Ave	1.060	1.112		26.2	25.0	4.9	50.0
p-Monochlorobenzotrifluoride	Ave	1.022	1.104		27.0	25.0	8.0	50.0
2-Chlorobenzotrifluoride	Ave	1.027	1.136		27.7	25.0	10.6	50.0
Cyclohexanone	Ave	0.0858	0.1219		355	250	42.0	50.0
3-Chlorotoluene	Ave	0.9097	0.9804		26.9	25.0	7.8	50.0
Pentachloroethane	Ave	0.2086	0.2974		35.6	25.0	42.5	50.0
Dicyclopentadiene	Ave	4.064	4.405		27.1	25.0	8.4	50.0
1,2,3-Trimethylbenzene	Ave	3.492	3.850		27.6	25.0	10.3	50.0
1,3,5-Trichlorobenzene	Ave	1.211	1.392		28.7	25.0	14.9	50.0

TestAmerica Laboratories
Target Compound Quantitation Report

Data File: \\Bufchrom\ChromData\HP5973G\20120407-10813.b\G10802.D
Lims ID: CCV Client ID:
Inject. Date: 07-Apr-2012 22:20:30 Dil. Factor: 1.0000
Sample Type: CCV
Sample ID: CCV
Misc. Info.: 480-0010813-003 =480-0010813-003
Operator: DHC Instrument ID: HP5973G
Vol. Injected: 1.0000 ALS Bottle#: 29
Lims Batch ID: 58634 Lims Sample ID: 3
Sublist: chrom-G-8260*sub6
Detector: MS SCAN

Method: \\Bufchrom\ChromData\HP5973G\20120407-10813.b\G-8260.m
Last Update: 07-Apr-2012 22:53:02 Calib Date: 24-Mar-2012 03:26:30
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\Bufchrom\ChromData\HP5973G\20120323-10429.b\G10255.D
Limit Group: MV - 8260B ICAL
Integrator: RTE ID Type: Deconvolution ID
Process Host: CORP-CTX-16

First Level Reviewer: HillL Date: 07-Apr-2012 22:53:02

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/L	Flags
* 1 1,4-Difluorobenzene	114	5.356	5.356	0.0	96	207918	25.0	
* 2 Chlorobenzene-d5	82	8.221	8.221	0.0	87	109641	25.0	
* 3 1,4-Dichlorobenzene-d4	152	10.630	10.630	0.0	87	102135	25.0	
$ 4 1,2-Dichloroethane-d4 (Surr)	67	4.972	4.972	0.0	0	43608	26.0	
$ 5 Toluene-d8 (Surr)	98	6.740	6.740	0.0	93	293963	27.7	
$ 6 4-Bromofluorobenzene (Surr)	174	9.477	9.477	0.0	82	78813	28.1	
11 Chlorodifluoromethane	51	1.278	1.278	0.0	73	87520	18.6	
16 Dichlorofluoromethane	67	2.064	2.064	0.0	82	107183	19.7	
18 Ethyl ether	59	2.314	2.314	0.0	93	88106	29.2	
68 Propene oxide	58	2.399	2.399	0.0	96	151006	145.2	
25 Isopropyl alcohol	45	2.844	2.844	0.0	99	302979	534.5	
26 3-Chloro-1-propene	41	2.875	2.875	0.0	84	68576	25.2	
30 2-Methyl-2-propanol	59	3.216	3.216	0.0	99	498954	533.6	
34 Hexane	57	3.430	3.430	0.0	91	163419	32.9	
37 Isopropyl ether	45	3.674	3.674	0.0	96	355299	29.5	
39 2-Chloro-1,3-butadiene	53	3.710	3.710	0.0	84	158591	31.0	
40 1,1-Dimethoxyethane	75	3.753	3.753	0.0	96	110525	114.8	
41 Tert-butyl ethyl ether	59	4.009	4.009	0.0	99	303852	27.8	
45 Ethyl acetate	43	4.283	4.283	0.0	99	160076	28.1	
46 Propionitrile	54	4.356	4.356	0.0	99	286069	289.9	
47 Methacrylonitrile	41	4.460	4.460	0.0	93	92416	27.6	
55 Isobutyl alcohol	43	5.021	5.021	0.0	95	549851	1091.8	
58 Tert-amyl methyl ether	73	5.057	5.057	0.0	90	259180	27.7	
59 n-Heptane	43	5.149	5.149	0.0	94	146726	25.9	
60 n-Butanol	56	5.637	5.637	0.0	87	287824	1113.1	
64 Methyl methacrylate	41	5.929	5.929	0.0	93	123075	26.9	
66 1,4-Dioxane	88	5.972	5.972	0.0	95	68131	1008.8	
69 2-Nitropropane	43	6.368	6.368	0.0	99	100814	140.5	
71 Epichlorohydrin	57	6.484	6.484	0.0	98	403792	563.8	
75 2-Methylthiophene	97	6.941	6.941	0.0	97	274103	25.0	

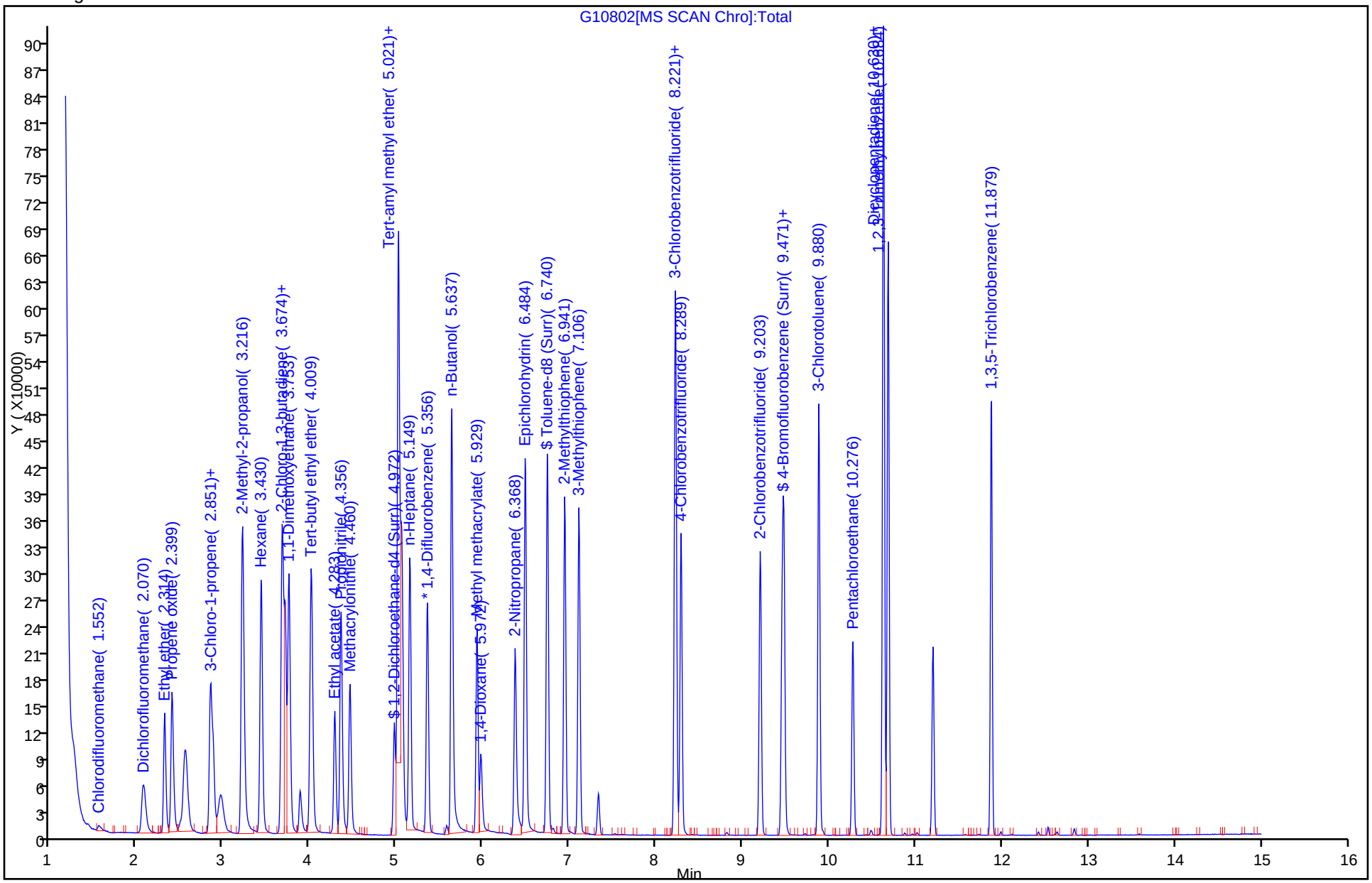
Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/L	Flags
77 3-Methylthiophene	97	7.106	7.106	0.0	99	269510	23.6	
85 3-Chlorobenzotrifluoride	180	8.228	8.228	0.0	92	113538	26.2	
87 4-Chlorobenzotrifluoride	180	8.289	8.289	0.0	97	112722	27.0	
94 2-Chlorobenzotrifluoride	180	9.203	9.203	0.0	96	116038	27.7	
96 Cyclohexanone	55	9.459	9.459	0.0	92	124492	355.1	
103 3-Chlorotoluene	126	9.880	9.880	0.0	98	100129	26.9	
108 Pentachloroethane	167	10.276	10.276	0.0	74	30371	35.6	
112 Dicyclopentadiene	66	10.630	10.630	0.0	96	449871	27.1	
114 1,2,3-Trimethylbenzene	105	10.684	10.684	0.0	98	393264	27.6	
118 1,3,5-Trichlorobenzene	180	11.879	11.879	0.0	96	142153	28.7	

Report Date: 07-Apr-2012 22:53:02 Chrom Revision: 2.0 20-Feb-2012 13:27:02

Data File: \\Bufchrom\ChromData\HP5973G\20120407-10813.b\G10802.D

Injection Date:	07-Apr-2012 22:20:30	Limit Group:	MV - 8260B ICAL
Client ID:		Instrument ID:	HP5973G
Lims Batch ID:	58634	Lims Sample ID:	3
Operator ID:	DHC		
Column Type:	ZB-624	Column Dia:	0.25 mm

Y Scaling:



FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Buffalo Job No.: 480-18068-1

SDG No.:

Lab Sample ID: CCV 480-58634/3 Calibration Date: 04/07/2012 22:20

Instrument ID: HP5973G Calib Start Date: 03/24/2012 01:37

GC Column: ZB-624 (60) ID: 0.25(mm) Calib End Date: 03/24/2012 03:26

Lab File ID: G10802.D Conc. Units: ug/L Heated Purge: (Y/N) N

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
1,2-Dichloroethane-d4 (Surr)	Ave	0.2019	0.2097		26.0	25.0	3.9	50.0
Toluene-d8 (Surr)	Ave	2.422	2.681		27.7	25.0	10.7	50.0
4-Bromofluorobenzene (Surr)	Ave	0.6385	0.7188		28.1	25.0	12.6	50.0

TestAmerica Laboratories
Target Compound Quantitation Report

Data File: \\Bufchrom\ChromData\HP5973G\20120407-10813.b\G10802.D
Lims ID: CCV Client ID:
Inject. Date: 07-Apr-2012 22:20:30 Dil. Factor: 1.0000
Sample Type: CCV
Sample ID: CCV
Misc. Info.: 480-0010813-003 =480-0010813-003
Operator: DHC Instrument ID: HP5973G
Vol. Injected: 1.0000 ALS Bottle#: 29
Lims Batch ID: 58634 Lims Sample ID: 3
Sublist: chrom-G-8260*sub6
Detector: MS SCAN

Method: \\Bufchrom\ChromData\HP5973G\20120407-10813.b\G-8260.m
Last Update: 07-Apr-2012 22:53:02 Calib Date: 24-Mar-2012 03:26:30
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\Bufchrom\ChromData\HP5973G\20120323-10429.b\G10255.D
Limit Group: MV - 8260B ICAL
Integrator: RTE ID Type: Deconvolution ID
Process Host: CORP-CTX-16

First Level Reviewer: HillL Date: 07-Apr-2012 22:53:02

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/L	Flags
* 1 1,4-Difluorobenzene	114	5.356	5.356	0.0	96	207918	25.0	
* 2 Chlorobenzene-d5	82	8.221	8.221	0.0	87	109641	25.0	
* 3 1,4-Dichlorobenzene-d4	152	10.630	10.630	0.0	87	102135	25.0	
$ 4 1,2-Dichloroethane-d4 (Surr)	67	4.972	4.972	0.0	0	43608	26.0	
$ 5 Toluene-d8 (Surr)	98	6.740	6.740	0.0	93	293963	27.7	
$ 6 4-Bromofluorobenzene (Surr)	174	9.477	9.477	0.0	82	78813	28.1	
11 Chlorodifluoromethane	51	1.278	1.278	0.0	73	87520	18.6	
16 Dichlorofluoromethane	67	2.064	2.064	0.0	82	107183	19.7	
18 Ethyl ether	59	2.314	2.314	0.0	93	88106	29.2	
68 Propene oxide	58	2.399	2.399	0.0	96	151006	145.2	
25 Isopropyl alcohol	45	2.844	2.844	0.0	99	302979	534.5	
26 3-Chloro-1-propene	41	2.875	2.875	0.0	84	68576	25.2	
30 2-Methyl-2-propanol	59	3.216	3.216	0.0	99	498954	533.6	
34 Hexane	57	3.430	3.430	0.0	91	163419	32.9	
37 Isopropyl ether	45	3.674	3.674	0.0	96	355299	29.5	
39 2-Chloro-1,3-butadiene	53	3.710	3.710	0.0	84	158591	31.0	
40 1,1-Dimethoxyethane	75	3.753	3.753	0.0	96	110525	114.8	
41 Tert-butyl ethyl ether	59	4.009	4.009	0.0	99	303852	27.8	
45 Ethyl acetate	43	4.283	4.283	0.0	99	160076	28.1	
46 Propionitrile	54	4.356	4.356	0.0	99	286069	289.9	
47 Methacrylonitrile	41	4.460	4.460	0.0	93	92416	27.6	
55 Isobutyl alcohol	43	5.021	5.021	0.0	95	549851	1091.8	
58 Tert-amyl methyl ether	73	5.057	5.057	0.0	90	259180	27.7	
59 n-Heptane	43	5.149	5.149	0.0	94	146726	25.9	
60 n-Butanol	56	5.637	5.637	0.0	87	287824	1113.1	
64 Methyl methacrylate	41	5.929	5.929	0.0	93	123075	26.9	
66 1,4-Dioxane	88	5.972	5.972	0.0	95	68131	1008.8	
69 2-Nitropropane	43	6.368	6.368	0.0	99	100814	140.5	
71 Epichlorohydrin	57	6.484	6.484	0.0	98	403792	563.8	
75 2-Methylthiophene	97	6.941	6.941	0.0	97	274103	25.0	

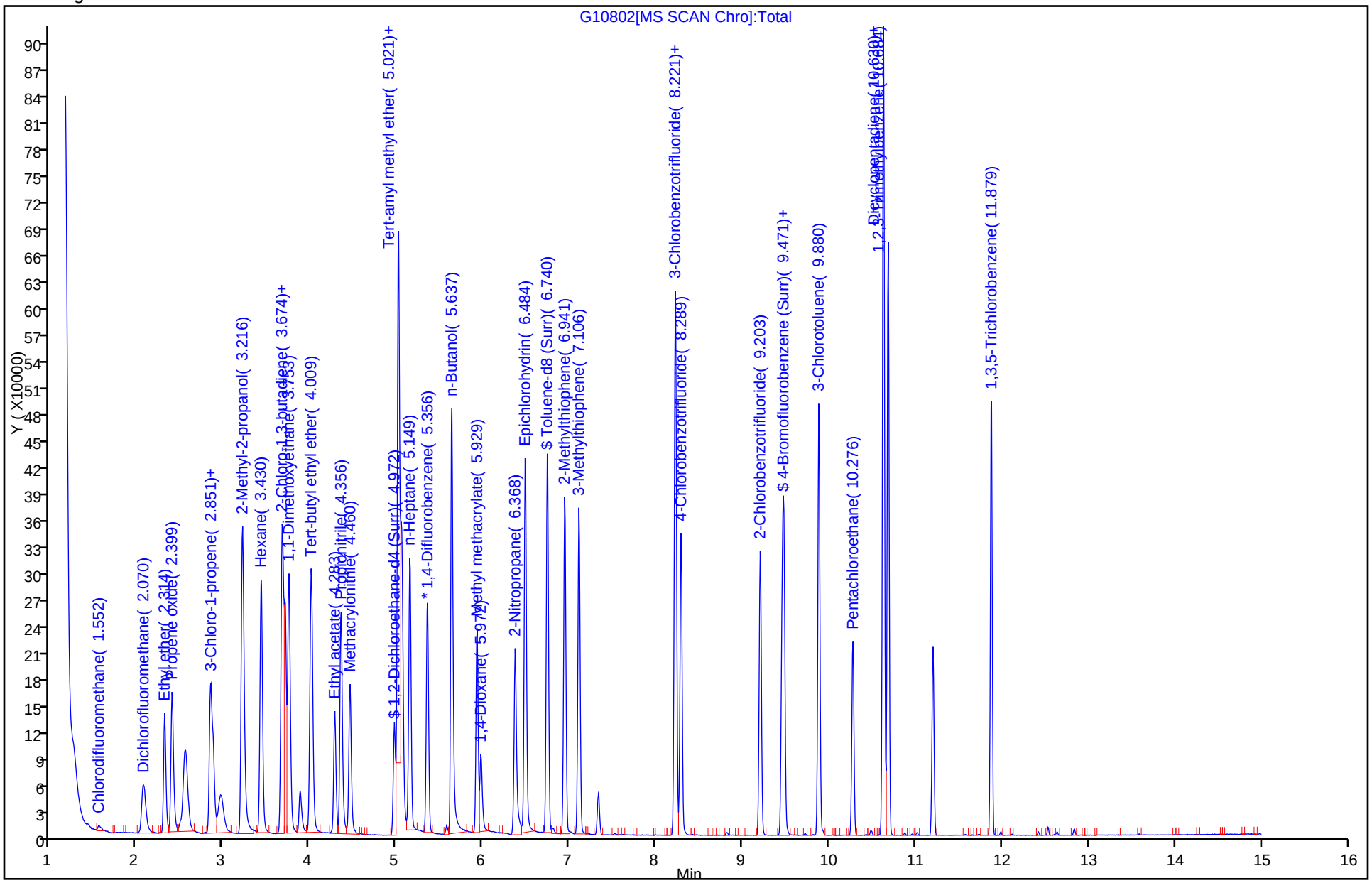
Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/L	Flags
77 3-Methylthiophene	97	7.106	7.106	0.0	99	269510	23.6	
85 3-Chlorobenzotrifluoride	180	8.228	8.228	0.0	92	113538	26.2	
87 4-Chlorobenzotrifluoride	180	8.289	8.289	0.0	97	112722	27.0	
94 2-Chlorobenzotrifluoride	180	9.203	9.203	0.0	96	116038	27.7	
96 Cyclohexanone	55	9.459	9.459	0.0	92	124492	355.1	
103 3-Chlorotoluene	126	9.880	9.880	0.0	98	100129	26.9	
108 Pentachloroethane	167	10.276	10.276	0.0	74	30371	35.6	
112 Dicyclopentadiene	66	10.630	10.630	0.0	96	449871	27.1	
114 1,2,3-Trimethylbenzene	105	10.684	10.684	0.0	98	393264	27.6	
118 1,3,5-Trichlorobenzene	180	11.879	11.879	0.0	96	142153	28.7	

Report Date: 07-Apr-2012 22:53:02 Chrom Revision: 2.0 20-Feb-2012 13:27:02

Data File: \\Bufchrom\ChromData\HP5973G\20120407-10813.b\G10802.D

Injection Date:	07-Apr-2012 22:20:30	Limit Group:	MV - 8260B ICAL
Client ID:		Instrument ID:	HP5973G
Lims Batch ID:	58634	Lims Sample ID:	3
Operator ID:	DHC		
Column Type:	ZB-624	Column Dia:	0.25 mm

Y Scaling:



TestAmerica Laboratories
Target Compound Quantitation Report

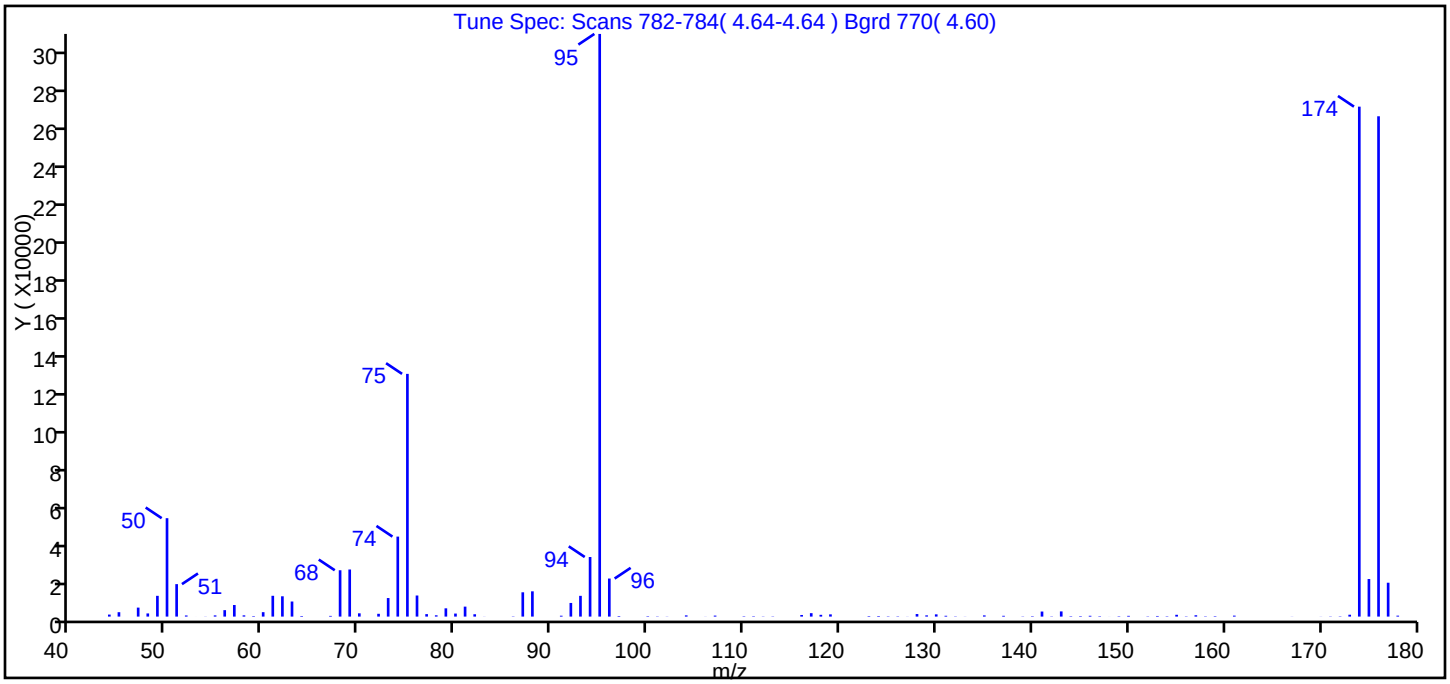
Data File:	\\Bufchrom\ChromData\HP5973F\20120307-10038.b\F7223.D		
Lims ID:	BFB	Client ID:	
Inject. Date:	07-Mar-2012 22:14:30	Dil. Factor:	1.0000
Sample Type:	BFB		
Sample ID:	BFB		
Misc. Info.:	480-0010038-001 =480-0010038-001		
Operator:	CDC	Instrument ID:	HP5973F
Vol. Injected:	1.0000	ALS Bottle#:	1
Lims Batch ID:	54289	Lims Sample ID:	1
Detector:	MS SCAN		
Method:	\\Bufchrom\ChromData\HP5973F\20120307-10038.b\F-8260 SOIL.m		
Last Update:	07-Mar-2012 22:15:24	Calib Date:	07-Mar-2012 18:21:30
Quant Method:	Internal Standard	Quant By:	Initial Calibration
Last ICal File:	\\Bufchrom\ChromData\HP5973F\20120307-10024.b\F7214.D		
Limit Group:	MV - 8260B ICAL		
Integrator:	RTE	ID Type:	Deconvolution ID
Process Host:	CORP-CTX-19		
First Level Reviewer: cwiklinc		Date:	07-Mar-2012 22:15:24

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/kg	Flags
* 1 1,4-Difluorobenzene	114		5.726					
* 2 Chlorobenzene-d5	82		8.512					
* 3 1,4-Dichlorobenzene-d4	152		10.812					
$ 61 BFB	95	4.640	4.640	0.0	0	475970	0	

MS Tune Report

Data File:	\\Bufchrom\ChromData\HP5973F\20120307-10038.b\F7223.D		
Injection Date:	07-Mar-2012 22:14:30	Limit Group:	MV - 8260B ICAL
Client ID:		Instrument ID:	HP5973F
Lims Batch ID:	54289	Lims Sample ID:	1
Operator ID:	CDC		
Column Type:	ZB-624	Column Dia:	0.25 mm
Tune Method:	BFB Method 8260		

$ 61 BFB



m/z	Ion Abundance Criteria	% Relative Abundance
95	Base Peak, 100% relative abundance	100.00
50	15.00 - 40.00% of mass 95	16.89
75	30.00 - 60.00% of mass 95	41.66
96	5.00 - 9.00% of mass 95	6.53
173	Less than 2.00% of mass 174	0.32 (0.37)
174	Greater than 50.00% of mass 95	87.52
175	5.00 - 9.00% of mass 174	6.45 (7.37)
176	95.00 - 101.00% of mass 174	85.87 (98.11)
177	5.00 - 9.00% of mass 176	5.81 (6.77)

Data File: \\Bufchrom\ChromData\HP5973F\20120307-10038.b\F7223.D\F-8260 SOIL.rslt\spectra.d
Injection Date: 07-Mar-2012 22:14:30
Spectrum: Tune Spec: Scans 782-784(4.64-4.64) Bgrd 770(4.60)
Base Peak: 95.00
Minimum % Base Peak: 0
Number of Points: 104

m/z	Y	m/z	Y	m/z	Y	m/z	Y
44.00	1076	74.00	42528	110.00	202	144.00	220
45.00	2336	75.00	129040	111.00	221	145.00	262
47.00	4779	76.00	11211	112.00	111	146.00	430
48.00	1683	77.00	1315	113.00	138	147.00	219
49.00	11041	78.00	688	116.00	860	148.00	22
50.00	52320	79.00	4396	117.00	1825	149.00	199
51.00	17264	80.00	1614	118.00	948	150.00	400
52.00	597	81.00	5300	119.00	1185	152.00	146
53.00	11	82.00	1249	123.00	279	153.00	331
54.00	64	83.00	47	124.00	310	154.00	194
55.00	640	86.00	147	125.00	169	155.00	962
56.00	3425	87.00	12916	126.00	175	156.00	156
57.00	6156	88.00	13435	127.00	52	157.00	706
58.00	661	91.00	471	128.00	1354	158.00	176
59.00	279	92.00	7254	129.00	654	159.00	249
60.00	2355	93.00	11037	130.00	1196	161.00	514
61.00	11060	94.00	31680	131.00	441	167.00	52
62.00	10796	95.00	309760	132.00	144	170.00	50
63.00	8022	96.00	20232	133.00	52	171.00	127
64.00	321	97.00	305	135.00	634	172.00	168
67.00	375	100.00	238	137.00	426	173.00	998
68.00	24640	101.00	138	139.00	119	174.00	271104
69.00	25040	102.00	79	140.00	231	175.00	19968
70.00	1741	104.00	642	141.00	2692	176.00	265984
72.00	1490	106.00	44	142.00	137	177.00	18008
73.00	9864	107.00	527	143.00	2757	178.00	504

TestAmerica Laboratories
Target Compound Quantitation Report

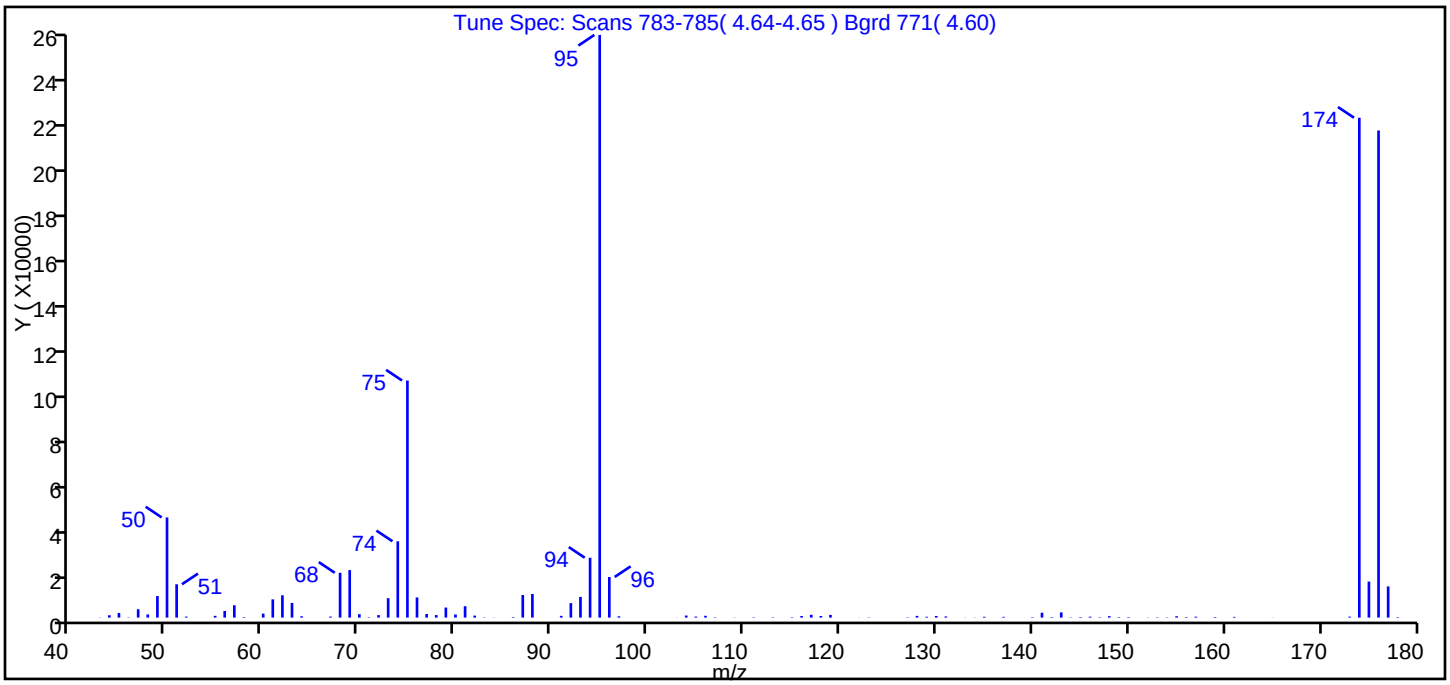
Data File:	\\Bufchrom\ChromData\HP5973F\20120309-10095.b\F7252.D		
Lims ID:	BFB	Client ID:	
Inject. Date:	09-Mar-2012 15:09:30	Dil. Factor:	1.0000
Sample Type:	BFB		
Sample ID:	BFB		
Misc. Info.:	480-0010095-001 =480-0010095-001		
Operator:	TRB	Instrument ID:	HP5973F
Vol. Injected:	1.0000	ALS Bottle#:	2
Lims Batch ID:	54585	Lims Sample ID:	1
Detector:	MS SCAN		
Method:	\\Bufchrom\ChromData\HP5973F\20120309-10095.b\F-8260 SOIL.m		
Last Update:	09-Mar-2012 15:10:26	Calib Date:	08-Mar-2012 01:25:30
Quant Method:	Internal Standard	Quant By:	Initial Calibration
Last ICal File:	\\Bufchrom\ChromData\HP5973F\20120307-10038.b\F7230.D		
Limit Group:	MV - 8260B ICAL		
Integrator:	RTE	ID Type:	Deconvolution ID
Process Host:	CORP-CTX-16		
First Level Reviewer: BrandtT		Date:	09-Mar-2012 15:10:26

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/kg	Flags
$ 61 BFB	95	4.644	4.644	0.0	0	407288	0	

MS Tune Report

Data File: \\Bufchrom\ChromData\HP5973F\20120309-10095.b\F7252.D
Injection Date: 09-Mar-2012 15:09:30 Limit Group: MV - 8260B ICAL
Client ID: Instrument ID: HP5973F
Lims Batch ID: 54585 Lims Sample ID: 1
Operator ID: TRB
Column Type: ZB-624 Column Dia: 0.25 mm
Tune Method: BFB Method 8260

$ 61 BFB



m/z	Ion Abundance Criteria	% Relative Abundance
95	Base Peak, 100% relative abundance	100.00
50	15.00 - 40.00% of mass 95	17.19
75	30.00 - 60.00% of mass 95	40.69
96	5.00 - 9.00% of mass 95	6.97
173	Less than 2.00% of mass 174	0.16 (0.19)
174	Greater than 50.00% of mass 95	85.79
175	5.00 - 9.00% of mass 174	6.18 (7.21)
176	95.00 - 101.00% of mass 174	83.60 (97.44)
177	5.00 - 9.00% of mass 176	5.35 (6.40)

Data File: \\Bufchrom\ChromData\HP5973F\20120309-10095.b\F7252.D\F-8260 SOIL.rslt\spectra.d
Injection Date: 09-Mar-2012 15:09:30
Spectrum: Tune Spec: Scans 783-785(4.64-4.65) Bgrd 771(4.60)
Base Peak: 95.00
Minimum % Base Peak: 0
Number of Points: 97

m/z	Y	m/z	Y	m/z	Y	m/z	Y
43.00	89	73.00	8362	106.00	778	144.00	125
44.00	1008	74.00	32872	107.00	168	145.00	249
45.00	1990	75.00	102104	109.00	72	146.00	396
46.00	131	76.00	8695	111.00	149	147.00	187
47.00	3600	77.00	1543	113.00	154	148.00	610
48.00	1367	78.00	1097	115.00	201	149.00	221
49.00	9278	79.00	4328	116.00	689	150.00	231
50.00	43144	80.00	1340	117.00	1213	152.00	88
51.00	14360	81.00	4902	118.00	703	153.00	146
52.00	439	82.00	859	119.00	1167	154.00	139
55.00	761	83.00	129	122.00	54	155.00	593
56.00	2859	84.00	64	123.00	124	156.00	254
57.00	5309	86.00	245	127.00	150	157.00	398
58.00	239	87.00	9729	128.00	734	159.00	259
60.00	1715	88.00	10172	129.00	366	161.00	314
61.00	7855	91.00	754	130.00	704	165.00	53
62.00	9624	92.00	6257	131.00	494	173.00	406
63.00	6304	93.00	8909	133.00	58	174.00	215296
64.00	571	94.00	25784	134.00	62	175.00	15518
67.00	449	95.00	250944	135.00	355	176.00	209792
68.00	19304	96.00	17480	137.00	324	177.00	13424
69.00	20464	97.00	557	140.00	194	178.00	235
70.00	1466	103.00	55	141.00	2090		
71.00	196	104.00	890	142.00	232		
72.00	1073	105.00	438	143.00	2239		

TestAmerica Laboratories
Target Compound Quantitation Report

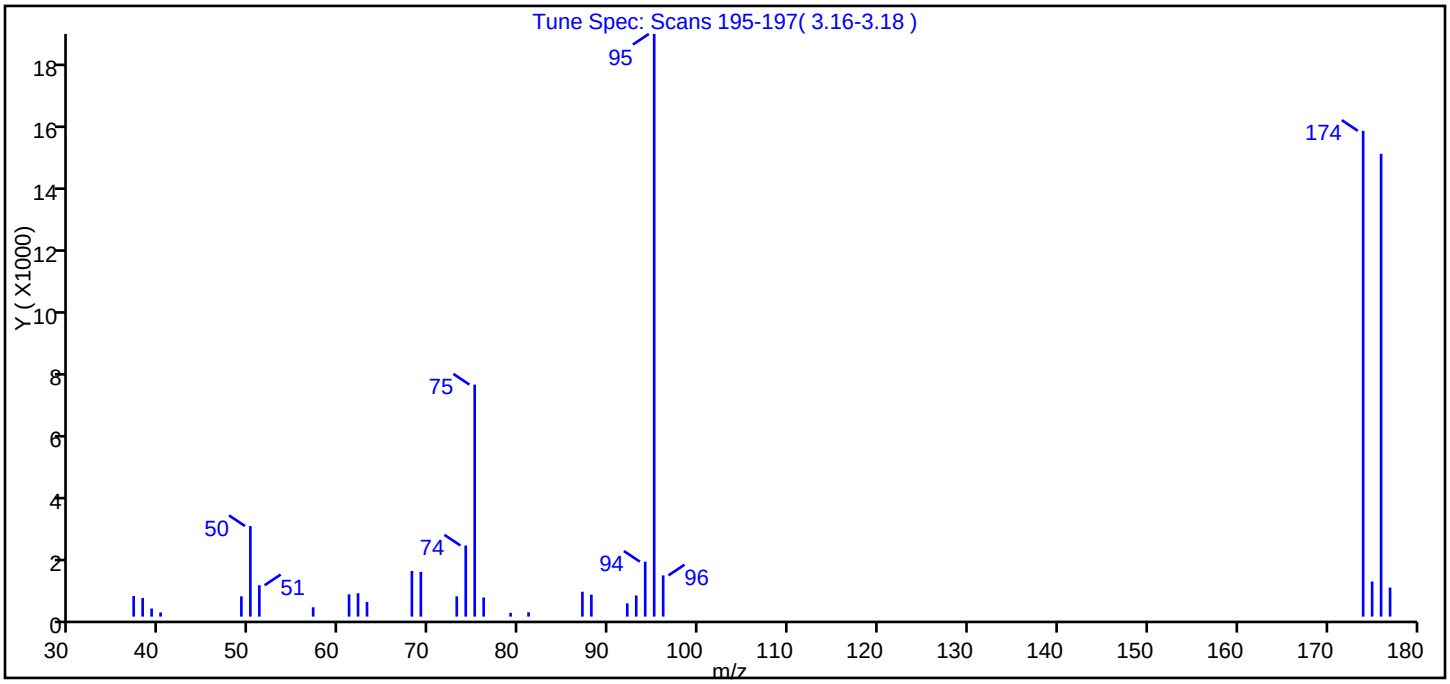
Data File:	\\Bufchrom\ChromData\HP5973F\20120406-10799.b\F7877.D		
Lims ID:	BFB	Client ID:	
Inject. Date:	06-Apr-2012 20:36:30	Dil. Factor:	1.0000
Sample Type:	BFB		
Sample ID:	BFB		
Misc. Info.:	480-0010799-001 =480-0010799-001		
Operator:	CDC	Instrument ID:	HP5973F
Vol. Injected:	1.0000	ALS Bottle#:	1
Lims Batch ID:	58567	Lims Sample ID:	1
Detector:	MS SCAN		
Method:	\\Bufchrom\ChromData\HP5973F\20120406-10799.b\F-8260 SOIL.m		
Last Update:	06-Apr-2012 20:37:42	Calib Date:	09-Mar-2012 18:10:30
Quant Method:	Internal Standard	Quant By:	Initial Calibration
Last ICal File:	\\Bufchrom\ChromData\HP5973F\20120309-10095.b\F7259.D		
Limit Group:	MV - 8260B ICAL		
Integrator:	RTE	ID Type:	Deconvolution ID
Process Host:	CORP-CTX-19		
First Level Reviewer: cwiklinc		Date:	06-Apr-2012 20:37:42

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/kg	Flags
* 1 1,4-Difluorobenzene	114		5.708					
* 2 Chlorobenzene-d5	82		8.494					
* 3 1,4-Dichlorobenzene-d4	152		10.800					
$ 61 BFB	95	3.171	3.171	0.0	0	36260	0	
$ 4 1,2-Dichloroethane-d4 (Surr)	67		5.404					
$ 5 Toluene-d8 (Surr)	98		7.040					
$ 6 4-Bromofluorobenzene (Surr)	174		9.705					

MS Tune Report

Data File:	\\Bufchrom\ChromData\HP5973F\20120406-10799.b\F7877.D		
Injection Date:	06-Apr-2012 20:36:30	Limit Group:	MV - 8260B ICAL
Client ID:		Instrument ID:	HP5973F
Lims Batch ID:	58567	Lims Sample ID:	1
Operator ID:	CDC		
Column Type:	ZB-624	Column Dia:	0.25 mm
Tune Method:	BFB Method 8260		

$ 61 BFB



m/z	Ion Abundance Criteria	% Relative Abundance
95	Base Peak, 100% relative abundance	100.00
50	15.00 - 40.00% of mass 95	15.54
75	30.00 - 60.00% of mass 95	39.82
96	5.00 - 9.00% of mass 95	7.07
173	Less than 2.00% of mass 174	0.00 (0.00)
174	Greater than 50.00% of mass 95	83.37
175	5.00 - 9.00% of mass 174	6.02 (7.22)
176	95.00 - 101.00% of mass 174	79.43 (95.28)
177	5.00 - 9.00% of mass 176	4.99 (6.28)

Data File: \\Bufchrom\ChromData\HP5973F\20120406-10799.b\F7877.D\F-8260 SOIL.rslt\spectra.d
Injection Date: 06-Apr-2012 20:36:30
Spectrum: Tune Spec: Scans 195-197(3.16-3.18)
Base Peak: 95.00
Minimum % Base Peak: 0
Number of Points: 30

m/z	Y	m/z	Y	m/z	Y	m/z	Y
37.00	640	61.00	694	76.00	596	95.00	18152
38.00	582	62.00	727	79.00	116	96.00	1284
39.00	252	63.00	458	81.00	134	174.00	15133
40.00	130	68.00	1423	87.00	775	175.00	1093
49.00	632	69.00	1393	88.00	682	176.00	14418
50.00	2821	73.00	630	92.00	412	177.00	905
51.00	977	74.00	2215	93.00	658		
57.00	291	75.00	7228	94.00	1711		

TestAmerica Laboratories
Target Compound Quantitation Report

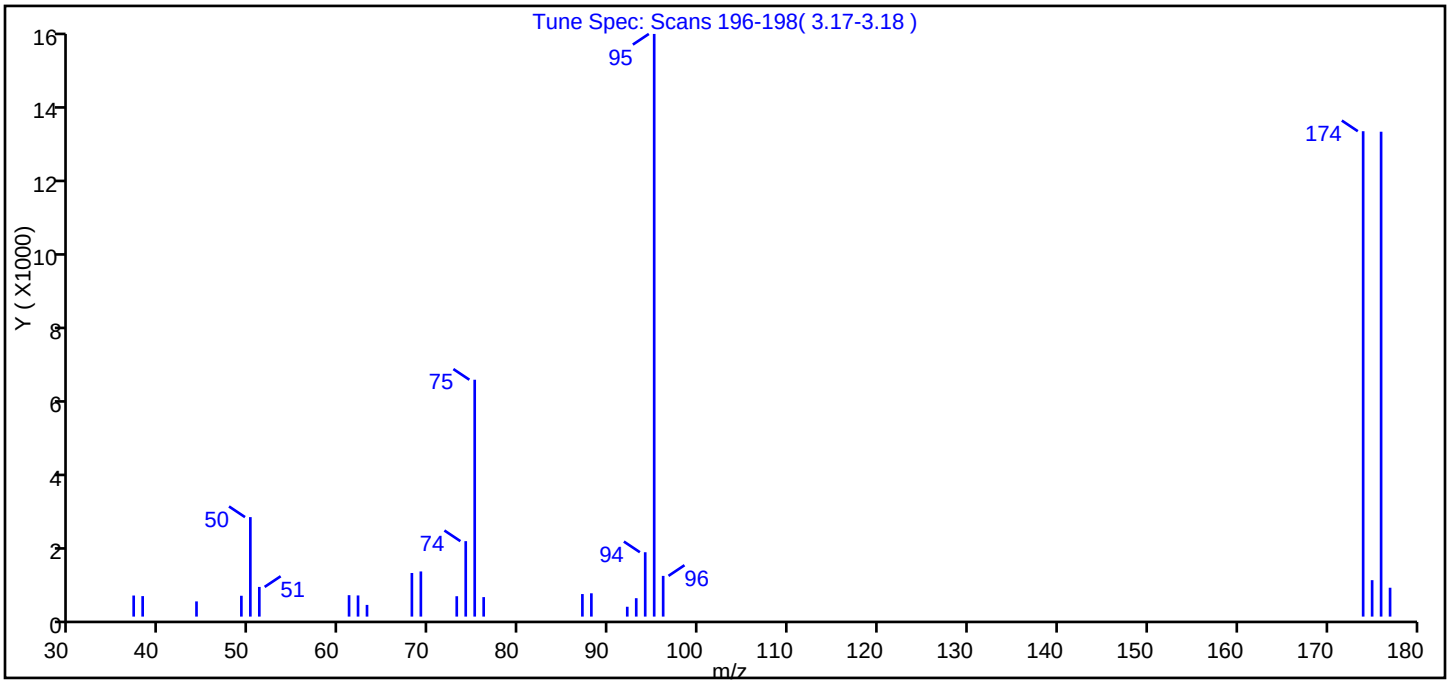
Data File:	\\Bufchrom\ChromData\HP5973F\20120410-10858.b\F7958.D		
Lims ID:	BFB	Client ID:	
Inject. Date:	10-Apr-2012 08:53:30	Dil. Factor:	1.0000
Sample Type:	BFB		
Sample ID:	BFB		
Misc. Info.:	480-0010858-001 =480-0010858-001		
Operator:	jmb	Instrument ID:	HP5973F
Vol. Injected:	1.0000	ALS Bottle#:	1
Lims Batch ID:	58856	Lims Sample ID:	1
Detector:	MS SCAN		
Method:	\\Bufchrom\ChromData\HP5973F\20120410-10858.b\F-8260 SOIL.m		
Last Update:	10-Apr-2012 17:28:47	Calib Date:	09-Mar-2012 18:10:30
Quant Method:	Internal Standard	Quant By:	Initial Calibration
Last ICal File:	\\Bufchrom\ChromData\HP5973F\20120309-10095.b\F7259.D		
Limit Group:	MV - 8260B ICAL		
Integrator:	RTE	ID Type:	Deconvolution ID
Process Host:	CORP-CTX-19		
First Level Reviewer: cwiklinc		Date:	10-Apr-2012 17:28:47

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/kg	Flags
* 1 1,4-Difluorobenzene	114		5.714					
* 2 Chlorobenzene-d5	82		8.500					
* 3 1,4-Dichlorobenzene-d4	152		10.800					
$ 61 BFB	95	3.177	3.177	0.0	0	30006	0	
$ 4 1,2-Dichloroethane-d4 (Surr)	67		5.404					
$ 5 Toluene-d8 (Surr)	98		7.040					
$ 6 4-Bromofluorobenzene (Surr)	174		9.705					

MS Tune Report

Data File:	\\Bufchrom\ChromData\HP5973F\20120410-10858.b\F7958.D		
Injection Date:	10-Apr-2012 08:53:30	Limit Group:	MV - 8260B ICAL
Client ID:		Instrument ID:	HP5973F
Lims Batch ID:	58856	Lims Sample ID:	1
Operator ID:	jmb		
Column Type:	ZB-624	Column Dia:	0.25 mm
Tune Method:	BFB Method 8260		

$ 61 BFB



m/z	Ion Abundance Criteria	% Relative Abundance
95	Base Peak, 100% relative abundance	100.00
50	15.00 - 40.00% of mass 95	17.07
75	30.00 - 60.00% of mass 95	40.65
96	5.00 - 9.00% of mass 95	6.99
173	Less than 2.00% of mass 174	0.00 (0.00)
174	Greater than 50.00% of mass 95	83.30
175	5.00 - 9.00% of mass 174	6.25 (7.51)
176	95.00 - 101.00% of mass 174	83.22 (99.90)
177	5.00 - 9.00% of mass 176	4.95 (5.95)

Data File: \\Bufchrom\ChromData\HP5973F\20120410-10858.b\F7958.D\F-8260 SOIL.rslt\spectra.d
Injection Date: 10-Apr-2012 08:53:30
Spectrum: Tune Spec: Scans 196-198(3.17-3.18)
Base Peak: 95.00
Minimum % Base Peak: 0
Number of Points: 26

m/z	Y	m/z	Y	m/z	Y	m/z	Y
37.00	546	62.00	548	76.00	505	96.00	1055
38.00	531	63.00	303	87.00	584	174.00	12578
44.00	394	68.00	1130	88.00	604	175.00	944
49.00	540	69.00	1170	92.00	255	176.00	12565
50.00	2578	73.00	528	93.00	477	177.00	748
51.00	769	74.00	1955	94.00	1668		
61.00	555	75.00	6138	95.00	15099		

TestAmerica Laboratories
Target Compound Quantitation Report

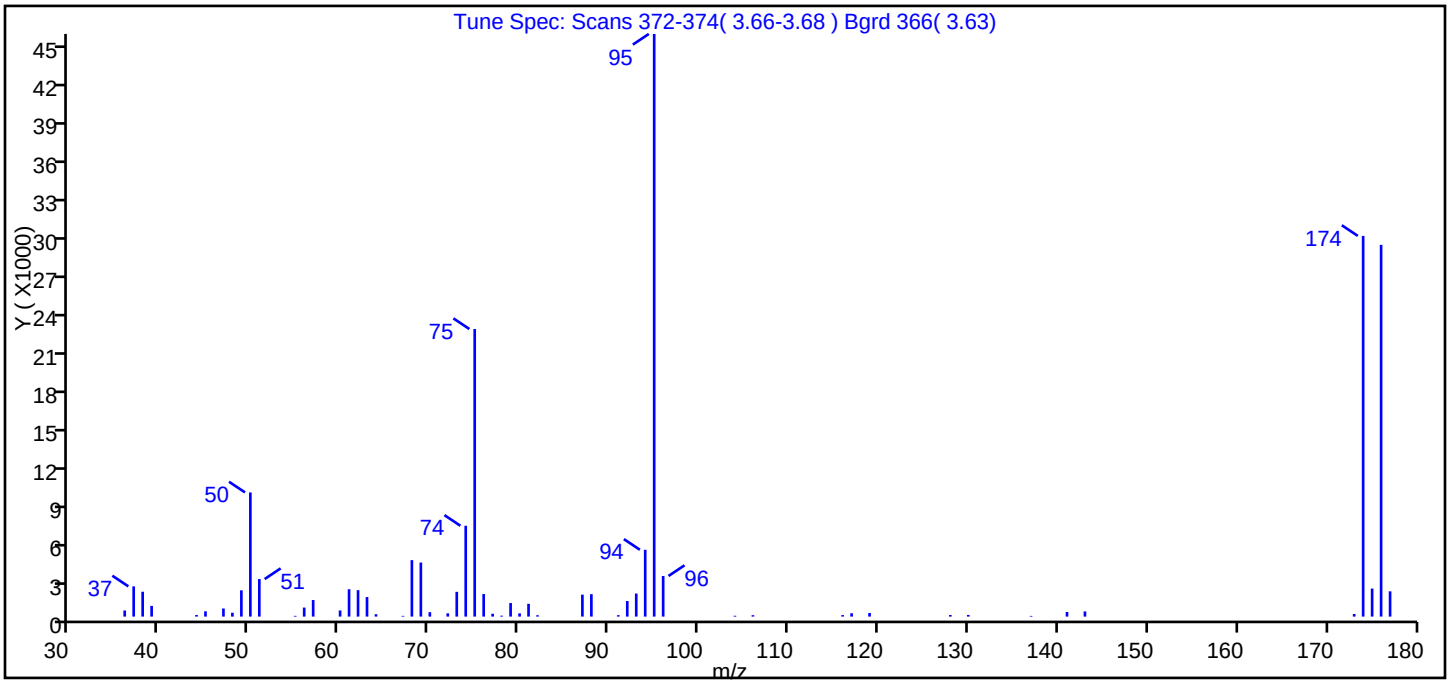
Data File:	\\Bufchrom\ChromData\HP5973G\20120315-10233.b\G9982.D		
Lims ID:	BFB	Client ID:	
Inject. Date:	15-Mar-2012 13:38:30	Dil. Factor:	1.0000
Sample Type:	BFB		
Sample ID:	BFB		
Misc. Info.:	480-0010233-001 =480-0010233-001		
Operator:	DHC	Instrument ID:	HP5973G
Vol. Injected:	1.0000	ALS Bottle#:	1
Lims Batch ID:	55366	Lims Sample ID:	1
Detector:	MS SCAN		
Method:	\\Bufchrom\ChromData\HP5973G\20120315-10233.b\G-8260.m		
Last Update:	15-Mar-2012 16:03:26	Calib Date:	10-Mar-2012 01:52:30
Quant Method:	Internal Standard	Quant By:	Initial Calibration
Last ICal File:	\\Bufchrom\ChromData\HP5973G\20120309-10100.b\G9767.D		
Limit Group:	MV - 8260B ICAL		
Integrator:	RTE	ID Type:	Deconvolution ID
Process Host:	CORP-CTX-16		
First Level Reviewer: coderd		Date:	15-Mar-2012 16:03:26

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/L	Flags
$ 35 BFB	95	3.669	3.669	0.0	0	77733	0	

MS Tune Report

Data File:	\\Bufchrom\ChromData\HP5973G\20120315-10233.b\G9982.D		
Injection Date:	15-Mar-2012 13:38:30	Limit Group:	MV - 8260B ICAL
Client ID:		Instrument ID:	HP5973G
Lims Batch ID:	55366	Lims Sample ID:	1
Operator ID:	DHC		
Column Type:	ZB-624	Column Dia:	0.25 mm
Tune Method:	BFB Method 8260		

$ 35 BFB



m/z	Ion Abundance Criteria	% Relative Abundance
95	Base Peak, 100% relative abundance	100.00
50	15.00 - 40.00% of mass 95	21.31
75	30.00 - 60.00% of mass 95	49.35
96	5.00 - 9.00% of mass 95	6.97
173	Less than 2.00% of mass 174	0.44 (0.68)
174	Greater than 50.00% of mass 95	65.33
175	5.00 - 9.00% of mass 174	4.81 (7.36)
176	95.00 - 101.00% of mass 174	63.80 (97.65)
177	5.00 - 9.00% of mass 176	4.34 (6.80)

Data File: \\Bufchrom\ChromData\HP5973G\20120315-10233.b\G9982.D\G-8260.rslt\spectra.d
Injection Date: 15-Mar-2012 13:38:30
Spectrum: Tune Spec: Scans 372-374(3.66-3.68) Bgrd 366(3.63)
Base Peak: 95.00
Minimum % Base Peak: 0
Number of Points: 57

m/z	Y	m/z	Y	m/z	Y	m/z	Y
36.00	481	61.00	2154	79.00	1067	117.00	263
37.00	2379	62.00	2081	80.00	252	119.00	285
38.00	1957	63.00	1540	81.00	1006	128.00	124
39.00	842	64.00	186	82.00	106	130.00	130
44.00	126	67.00	59	87.00	1729	137.00	55
45.00	415	68.00	4443	88.00	1765	141.00	363
47.00	636	69.00	4253	91.00	112	143.00	407
48.00	301	70.00	348	92.00	1224	173.00	203
49.00	2068	72.00	257	93.00	1817	174.00	29960
50.00	9773	73.00	1948	94.00	5259	175.00	2206
51.00	2955	74.00	7148	95.00	45856	176.00	29256
55.00	60	75.00	22632	96.00	3196	177.00	1989
56.00	711	76.00	1773	104.00	68		
57.00	1303	77.00	223	106.00	112		
60.00	484	78.00	73	116.00	120		

TestAmerica Laboratories
Target Compound Quantitation Report

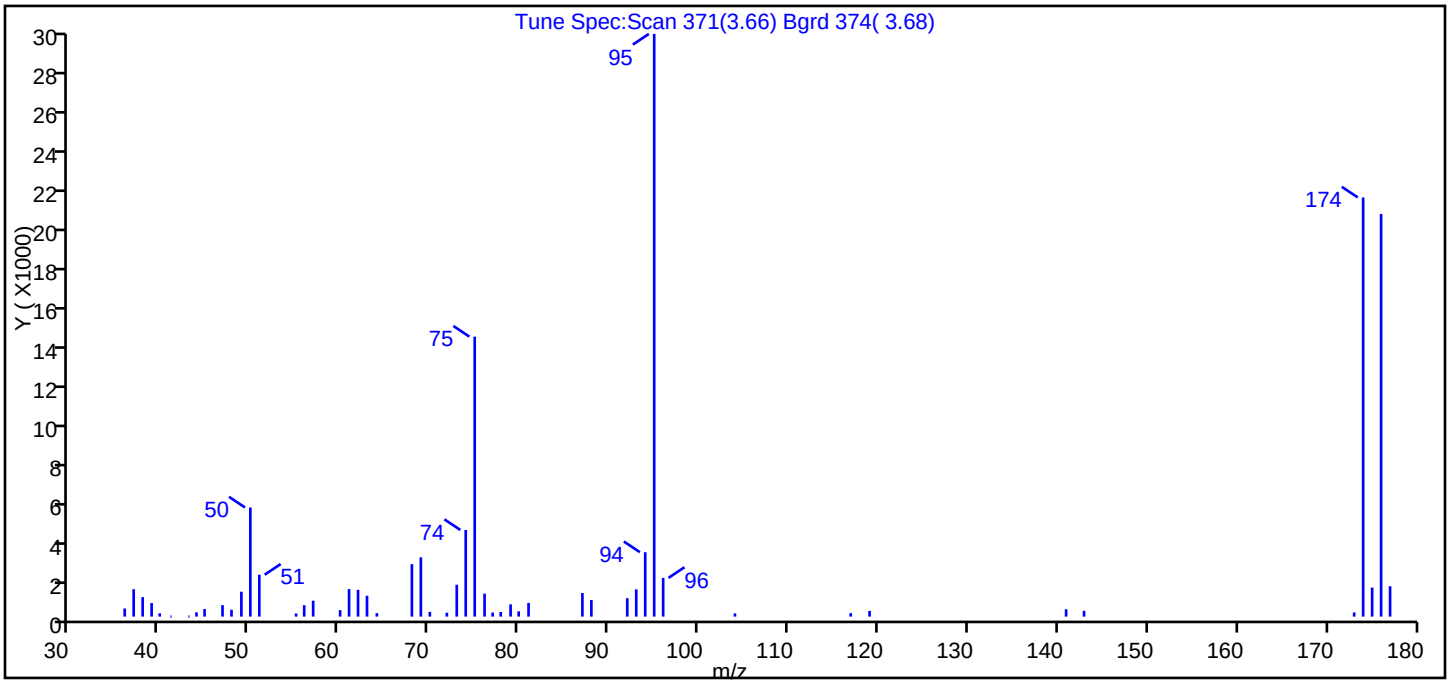
Data File:	\\Bufchrom\ChromData\HP5973G\20120323-10429.b\G10248.D		
Lims ID:	BFB	Client ID:	
Inject. Date:	24-Mar-2012 00:47:30	Dil. Factor:	1.0000
Sample Type:	BFB		
Sample ID:	BFB		
Misc. Info.:	480-0010429-001 =480-0010429-001		
Operator:	RAL	Instrument ID:	HP5973G
Vol. Injected:	1.0000	ALS Bottle#:	2
Lims Batch ID:	56586	Lims Sample ID:	1
Detector:	MS SCAN		
Method:	\\Bufchrom\ChromData\HP5973G\20120323-10429.b\G-8260.m		
Last Update:	24-Mar-2012 10:03:34	Calib Date:	24-Mar-2012 03:26:30
Quant Method:	Internal Standard	Quant By:	Initial Calibration
Last ICal File:	\\Bufchrom\ChromData\HP5973G\20120323-10429.b\G10255.D		
Limit Group:	MV - 8260B ICAL		
Integrator:	RTE	ID Type:	Deconvolution ID
Process Host:	CORP-CTX-19		
First Level Reviewer: larsonr		Date:	24-Mar-2012 00:58:29

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/L	Flags
$ 35 BFB	95	3.651	3.651	0.0	0	61940	0	

MS Tune Report

Data File:	\\Bufchrom\ChromData\HP5973G\20120323-10429.b\G10248.D		
Injection Date:	24-Mar-2012 00:47:30	Limit Group:	MV - 8260B ICAL
Client ID:		Instrument ID:	HP5973G
Lims Batch ID:	56586	Lims Sample ID:	1
Operator ID:	RAL		
Column Type:	ZB-624	Column Dia:	0.25 mm
Tune Method:	BFB Method 8260		

$ 35 BFB



m/z	Ion Abundance Criteria	% Relative Abundance
95	Base Peak, 100% relative abundance	100.00
50	15.00 - 40.00% of mass 95	18.73
75	30.00 - 60.00% of mass 95	48.05
96	5.00 - 9.00% of mass 95	6.64
173	Less than 2.00% of mass 174	0.71 (0.99)
174	Greater than 50.00% of mass 95	71.93
175	5.00 - 9.00% of mass 174	4.97 (6.92)
176	95.00 - 101.00% of mass 174	69.10 (96.06)
177	5.00 - 9.00% of mass 176	5.21 (7.54)

Data File: \\Bufchrom\ChromData\HP5973G\20120323-10429.b\G10248.D\G-8260.rslt\spectra.d
Injection Date: 24-Mar-2012 00:47:30
Spectrum: Tune Spec:Scan 371(3.66) Bgrd 374(3.68)
Base Peak: 95.00
Minimum % Base Peak: 0
Number of Points: 52

m/z	Y	m/z	Y	m/z	Y	m/z	Y
36.00	413	51.00	2133	73.00	1622	94.00	3280
37.00	1393	55.10	159	74.00	4410	95.00	29672
38.00	991	56.00	581	75.00	14256	96.00	1971
39.00	690	57.00	810	76.10	1169	104.00	162
39.90	164	60.00	328	77.00	206	116.90	175
41.10	0	61.00	1399	77.90	235	119.00	288
43.10	0	62.00	1362	79.00	624	140.90	375
44.00	217	63.00	1062	79.90	267	142.90	293
44.90	386	64.10	177	81.00	695	173.00	212
46.90	584	68.00	2672	87.00	1201	174.00	21344
47.90	348	69.00	3018	88.00	848	175.00	1476
49.00	1267	70.00	241	92.00	938	176.00	20504
50.00	5557	71.90	198	93.00	1386	177.00	1545

TestAmerica Laboratories
Target Compound Quantitation Report

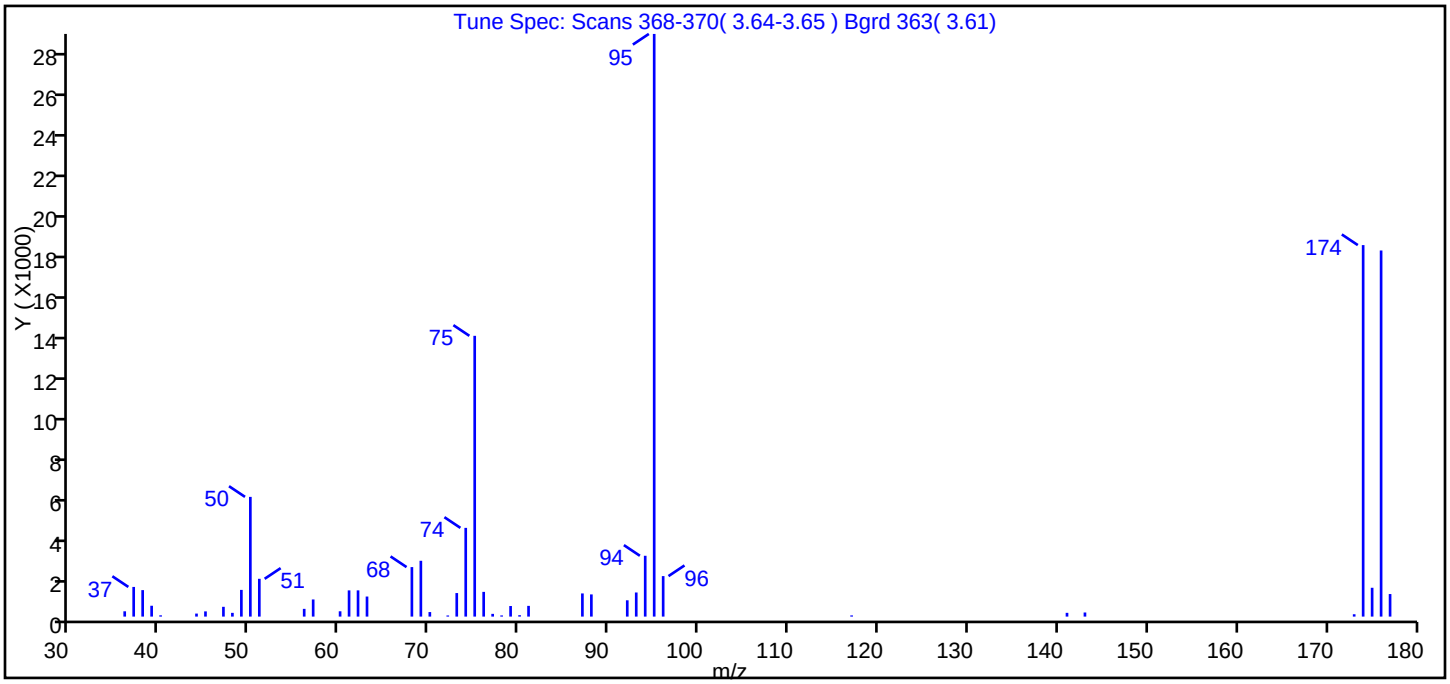
Data File:	\\Bufchrom\ChromData\HP5973G\20120407-10813.b\G10800.D		
Lims ID:	BFB	Client ID:	
Inject. Date:	07-Apr-2012 21:22:30	Dil. Factor:	1.0000
Sample Type:	BFB		
Sample ID:	BFB		
Misc. Info.:	480-0010813-001 =480-0010813-001		
Operator:	DHC	Instrument ID:	HP5973G
Vol. Injected:	1.0000	ALS Bottle#:	27
Lims Batch ID:	58634	Lims Sample ID:	1
Detector:	MS SCAN		
Method:	\\Bufchrom\ChromData\HP5973G\20120407-10813.b\G-8260.m		
Last Update:	07-Apr-2012 21:32:41	Calib Date:	24-Mar-2012 03:26:30
Quant Method:	Internal Standard	Quant By:	Initial Calibration
Last ICal File:	\\Bufchrom\ChromData\HP5973G\20120323-10429.b\G10255.D		
Limit Group:	MV - 8260B ICAL		
Integrator:	RTE	ID Type:	Deconvolution ID
Process Host:	CORP-CTX-16		
First Level Reviewer: HillL		Date:	07-Apr-2012 21:32:41

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/L	Flags
$ 35 BFB	95	3.645	3.645	0.0	0	53720	0	

MS Tune Report

Data File:	\\Bufchrom\ChromData\HP5973G\20120407-10813.b\G10800.D		
Injection Date:	07-Apr-2012 21:22:30	Limit Group:	MV - 8260B ICAL
Client ID:		Instrument ID:	HP5973G
Lims Batch ID:	58634	Lims Sample ID:	1
Operator ID:	DHC		
Column Type:	ZB-624	Column Dia:	0.25 mm
Tune Method:	BFB Method 8260		

$ 35 BFB



m/z	Ion Abundance Criteria	% Relative Abundance
95	Base Peak, 100% relative abundance	100.00
50	15.00 - 40.00% of mass 95	20.55
75	30.00 - 60.00% of mass 95	48.19
96	5.00 - 9.00% of mass 95	6.95
173	Less than 2.00% of mass 174	0.40 (0.63)
174	Greater than 50.00% of mass 95	63.76
175	5.00 - 9.00% of mass 174	4.95 (7.76)
176	95.00 - 101.00% of mass 174	62.83 (98.55)
177	5.00 - 9.00% of mass 176	3.87 (6.16)

Data File: \\Bufchrom\ChromData\HP5973G\20120407-10813.b\G10800.D\G-8260.rslt\spectra.d
Injection Date: 07-Apr-2012 21:22:30
Spectrum: Tune Spec: Scans 368-370(3.64-3.65) Bgrd 363(3.61)
Base Peak: 95.00
Minimum % Base Peak: 0
Number of Points: 46

m/z	Y	m/z	Y	m/z	Y	m/z	Y
36.00	259	56.00	379	75.00	13743	95.00	28520
37.00	1452	57.00	839	76.00	1210	96.00	1982
38.00	1296	60.00	260	77.00	134	117.00	58
39.00	531	61.00	1283	78.00	57	141.00	184
40.00	62	62.00	1284	79.00	518	143.00	201
44.00	148	63.00	982	80.00	69	173.00	115
45.00	255	68.00	2423	81.00	525	174.00	18184
47.00	479	69.00	2732	87.00	1134	175.00	1411
48.00	183	70.00	222	88.00	1086	176.00	17920
49.00	1307	72.00	55	92.00	798	177.00	1104
50.00	5860	73.00	1152	93.00	1180		
51.00	1850	74.00	4343	94.00	2977		

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Buffalo | Job No.: 480-18068-1

SDG No.:

Client Sample ID: | Lab Sample ID: MB 480-58567/5

Matrix: Solid | Lab File ID: F7881.D

Analysis Method: 8260B | Date Collected:

Sample wt/vol: 5(g) | Date Analyzed: 04/06/2012 22:52

Soil Aliquot Vol: | Dilution Factor: 1

Soil Extract Vol.: | GC Column: ZB-624 (60) ID: 0.25(mm)

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

Analysis Batch No.: 58567 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
71-55-6	1,1,1-Trichloroethane	ND		5.0	0.36
79-34-5	1,1,2,2-Tetrachloroethane	ND		5.0	0.81
79-00-5	1,1,2-Trichloroethane	ND		5.0	0.65
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	ND		5.0	1.1
75-34-3	1,1-Dichloroethane	ND		5.0	0.61
75-35-4	1,1-Dichloroethene	ND		5.0	0.61
120-82-1	1,2,4-Trichlorobenzene	ND		5.0	0.30
96-12-8	1,2-Dibromo-3-Chloropropane	ND		5.0	2.5
106-93-4	1,2-Dibromoethane	ND		5.0	0.64
95-50-1	1,2-Dichlorobenzene	ND		5.0	0.39
107-06-2	1,2-Dichloroethane	ND		5.0	0.25
78-87-5	1,2-Dichloropropane	ND		5.0	2.5
541-73-1	1,3-Dichlorobenzene	ND		5.0	0.26
106-46-7	1,4-Dichlorobenzene	ND		5.0	0.70
591-78-6	2-Hexanone	ND		25	2.5
78-93-3	2-Butanone (MEK)	ND		25	1.8
108-10-1	4-Methyl-2-pentanone (MIBK)	ND		25	1.6
67-64-1	Acetone	ND		25	4.2
71-43-2	Benzene	ND		5.0	0.25
75-27-4	Bromodichloromethane	ND		5.0	0.67
75-25-2	Bromoform	ND		5.0	2.5
74-83-9	Bromomethane	ND		5.0	0.45
75-15-0	Carbon disulfide	ND		5.0	2.5
56-23-5	Carbon tetrachloride	ND		5.0	0.48
108-90-7	Chlorobenzene	ND		5.0	0.66
124-48-1	Dibromochloromethane	ND		5.0	0.64
75-00-3	Chloroethane	ND		5.0	1.1
67-66-3	Chloroform	ND		5.0	0.31
74-87-3	Chloromethane	ND		5.0	0.30
156-59-2	cis-1,2-Dichloroethene	ND		5.0	0.64
10061-01-5	cis-1,3-Dichloropropene	ND		5.0	0.72
110-82-7	Cyclohexane	ND		5.0	0.70
75-71-8	Dichlorodifluoromethane	ND		5.0	0.41
100-41-4	Ethylbenzene	ND		5.0	0.35
98-82-8	Isopropylbenzene	ND		5.0	0.75

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Buffalo | Job No.: 480-18068-1

SDG No.:

Client Sample ID: | Lab Sample ID: MB 480-58567/5

Matrix: Solid | Lab File ID: F7881.D

Analysis Method: 8260B | Date Collected:

Sample wt/vol: 5(g) | Date Analyzed: 04/06/2012 22:52

Soil Aliquot Vol: | Dilution Factor: 1

Soil Extract Vol.: | GC Column: ZB-624 (60) ID: 0.25(mm)

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

Analysis Batch No.: 58567 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
79-20-9	Methyl acetate	ND		5.0	0.93
1634-04-4	Methyl tert-butyl ether	ND		5.0	0.49
108-87-2	Methylcyclohexane	ND		5.0	0.76
75-09-2	Methylene Chloride	ND		5.0	2.3
100-42-5	Styrene	ND		5.0	0.25
127-18-4	Tetrachloroethene	ND		5.0	0.67
108-88-3	Toluene	ND		5.0	0.38
156-60-5	trans-1,2-Dichloroethene	ND		5.0	0.52
10061-02-6	trans-1,3-Dichloropropene	ND		5.0	2.2
79-01-6	Trichloroethene	ND		5.0	1.1
75-69-4	Trichlorofluoromethane	ND		5.0	0.47
75-01-4	Vinyl chloride	ND		5.0	0.61
1330-20-7	Xylenes, Total	0.859	J	10	0.84

CAS NO.	SURROGATE	%REC	Q	LIMITS
17060-07-0	1,2-Dichloroethane-d4 (Surr)	94		64-126
2037-26-5	Toluene-d8 (Surr)	105		71-125
460-00-4	4-Bromofluorobenzene (Surr)	100		72-126

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

Lab Name: TestAmerica Buffalo | Job No.: 480-18068-1

SDG No.:

Client Sample ID: | Lab Sample ID: MB 480-58567/5

Matrix: Solid | Lab File ID: F7881.D

Analysis Method: 8260B | Date Collected:

Sample wt/vol: 5(g) | Date Analyzed: 04/06/2012 22:52

Soil Aliquot Vol: | Dilution Factor: 1

Soil Extract Vol.: | GC Column: ZB-624 (60) ID: 0.25(mm)

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

Analysis Batch No.: 58567 | Units: ug/Kg

Number TICs Found: 0 | TIC Result Total: 0

CAS NO.	COMPOUND NAME	RT	RESULT	Q
	Tentatively Identified Compound		None	

TestAmerica Laboratories
Target Compound Quantitation Report

Data File: \\Bufchrom\ChromData\HP5973F\20120406-10799.b\F7881.D
Lims ID: MB Client ID:
Inject. Date: 06-Apr-2012 22:52:30 Dil. Factor: 1.0000
Sample Type: MB
Sample ID: MB
Misc. Info.: 480-0010799-005 =480-0010799-005
Operator: CDC Instrument ID: HP5973F
Vol. Injected: 1.0000 ALS Bottle#: 4
Lims Batch ID: 58567 Lims Sample ID: 5
Detector: MS SCAN

Method: \\Bufchrom\ChromData\HP5973F\20120406-10799.b\F-8260 SOIL.m
Last Update: 06-Apr-2012 23:05:14 Calib Date: 09-Mar-2012 18:10:30
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\Bufchrom\ChromData\HP5973F\20120309-10095.b\F7259.D
Limit Group: MV - 8260B ICAL
Integrator: RTE ID Type: Deconvolution ID
Process Host: CORP-CTX-19

First Level Reviewer: cwiklinc Date: 06-Apr-2012 23:05:14

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/kg	Flags
* 1 1,4-Difluorobenzene	114	5.708	5.714	-0.006	93	483502	50.0	
* 2 Chlorobenzene-d5	82	8.494	8.494	0.0	82	208118	50.0	
* 3 1,4-Dichlorobenzene-d4	152	10.794	10.800	-0.006	93	233599	50.0	
$ 4 1,2-Dichloroethane-d4 (Surr)	67	5.404	5.410	-0.006	98	69403	47.2	
$ 5 Toluene-d8 (Surr)	98	7.040	7.040	0.0	91	514386	52.3	
$ 6 4-Bromofluorobenzene (Surr)	174	9.705	9.705	0.0	91	163332	49.9	
10 Dichlorodifluoromethane	85		2.064					
11 Chlorodifluoromethane	51		2.082					
12 Chloromethane	50		2.216					
13 Vinyl chloride	62		2.332					
14 Bromomethane	94		2.636					
15 Chloroethane	64		2.709					
16 Dichlorofluoromethane	67		2.891					
17 Trichlorofluoromethane	101		2.934					
18 Ethyl ether	59		3.116					
19 Propene oxide	58		3.214					
20 Acrolein	56		3.275					
21 1,1,2-Trichloro-1,2,2-trifluoroe	101		3.311					
22 1,1-Dichloroethene	96		3.341					
23 Acetone	43		3.390					
24 Isopropyl alcohol	45		3.475					
25 Iodomethane	142		3.506					
26 Carbon disulfide	76		3.567					
27 Methyl acetate	43		3.615					
28 3-Chloro-1-propene	41		3.627					
29 Acetonitrile	40		3.646					
30 Methylene Chloride	84		3.737					
31 2-Methyl-2-propanol	59		3.779					
32 Methyl tert-butyl ether	73		3.895					
34 trans-1,2-Dichloroethene	96		3.932					
33 Acrylonitrile	53		3.944					

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/kg	Flags
35 Hexane	57	4.059	4.065	-0.006	36	2077	0.4917	
36 Isopropyl ether	45		4.224					
37 Vinyl acetate	43		4.248					
39 1,1-Dichloroethane	63		4.272					
38 1,1-Dimethoxyethane	75		4.297					
40 2-Chloro-1,3-butadiene	53		4.321					
41 Tert-butyl ethyl ether	59		4.509					
42 Ethyl acetate	43		4.710					
43 2-Butanone (MEK)	43		4.716					
44 2,2-Dichloropropane	77		4.722					
45 cis-1,2-Dichloroethene	96		4.729					
46 Propionitrile	54		4.814					
47 Methacrylonitrile	41		4.917					
48 Chlorobromomethane	128		4.941					
49 Tetrahydrofuran	42		4.954					
50 Chloroform	83		4.972					
51 1,1,1-Trichloroethane	97		5.124					
52 Cyclohexane	56		5.154					
54 1,1-Dichloropropene	75		5.240					
55 Carbon tetrachloride	117		5.252					
53 Isobutyl alcohol	43		5.294					
57 Benzene	78		5.434					
56 Tert-amyl methyl ether	73		5.446					
58 1,2-Dichloroethane	62		5.471					
59 n-Heptane	43	5.507	5.519	-0.012	34	2889	0.5885	
60 n-Butanol	56		5.848					
62 Trichloroethene	95		5.957					
64 Methylcyclohexane	83		6.097					
65 1,2-Dichloropropane	63		6.182					
63 Methyl methacrylate	41		6.189					
66 1,4-Dioxane	88		6.286					
67 Dibromomethane	93		6.316					
68 Dichlorobromomethane	83		6.426					
69 2-Chloroethyl vinyl ether	63		6.627					
70 2-Nitropropane	43		6.639					
71 Epichlorohydrin	57		6.754					
72 cis-1,3-Dichloropropene	75		6.809					
73 4-Methyl-2-pentanone (MIBK)	43		6.906					
74 Toluene	92		7.107					
75 Ethyl methacrylate	69		7.320					
77 trans-1,3-Dichloropropene	75		7.326					
79 1,1,2-Trichloroethane	83		7.527					
81 Tetrachloroethene	166		7.630					
80 2-Hexanone	43		7.697					
82 1,3-Dichloropropane	76		7.697					
83 Chlorodibromomethane	129		7.941					
84 Ethylene Dibromide	107		8.074					
85 3-Chlorobenzotrifluoride	180		8.415					
86 4-Chlorobenzotrifluoride	180		8.476					
87 Chlorobenzene	112		8.525					
88 Ethylbenzene	91		8.585					
89 1,1,1,2-Tetrachloroethane	131		8.604					

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/kg	Flags
90 m-Xylene & p-Xylene	106	8.695	8.701	-0.006	46	4588	0.8594	
91 o-Xylene	106		9.133					
92 Styrene	104		9.157					
93 2-Chlorobenzotrifluoride	180		9.407					
95 Bromoform	173		9.431					
94 Isopropylbenzene	105		9.492					
96 Cyclohexanone	55		9.693					
97 1,1,2,2-Tetrachloroethane	83		9.857					
101 Bromobenzene	156		9.875					
98 trans-1,4-Dichloro-2-butene	53		9.900					
99 N-Propylbenzene	91		9.906					
100 1,2,3-Trichloropropane	110		9.912					
103 2-Chlorotoluene	126		10.033					
102 1,3,5-Trimethylbenzene	105		10.064					
104 3-Chlorotoluene	126		10.088					
105 4-Chlorotoluene	126		10.137					
106 tert-Butylbenzene	134		10.380					
107 1,2,4-Trimethylbenzene	105	10.429	10.429	0.0	1	5907	0.5444	
108 Pentachloroethane	167		10.459					
109 sec-Butylbenzene	105		10.581					
110 4-Isopropyltoluene	119		10.696					
111 1,3-Dichlorobenzene	146		10.739					
114 Dicyclopentadiene	66		10.812					
113 1,4-Dichlorobenzene	146		10.818					
112 1,2,3-Trimethylbenzene	105		10.830					
76 2-Methylthiophene	97		10.900					
78 3-Methylthiophene	97		11.028					
115 n-Butylbenzene	91		11.068					
116 1,2-Dichlorobenzene	146		11.159					
117 1,2-Dibromo-3-Chloropropane	75		11.834					
118 1,3,5-Trichlorobenzene	180		11.956					
119 1,2,4-Trichlorobenzene	180		12.491					
120 Hexachlorobutadiene	225		12.582					
121 Naphthalene	128		12.728					
122 1,2,3-Trichlorobenzene	180		12.947					
S 123 Total BTEX	1				0		0.8594	
S 124 Xylenes, Total	1				0		0.8594	
S 125 1,2-Dichloroethene, Total	1		30.000					7
S 126 1,3-Dichloropropene, Total	1		30.000					7
T 7 Ethylene oxide	1		0.000					1
T 8 t-Amyl alcohol	59		0.000					1
T 9 bis(2-chloromethyl)ether TIC	1		0.000					1
T 127 Ethanol TIC	45		0.000					1
T 128 Hexachloroethane TIC	1		0.000					1
T 129 tert-amyl alcohol TIC	59		0.000					1

QC Flag Legend

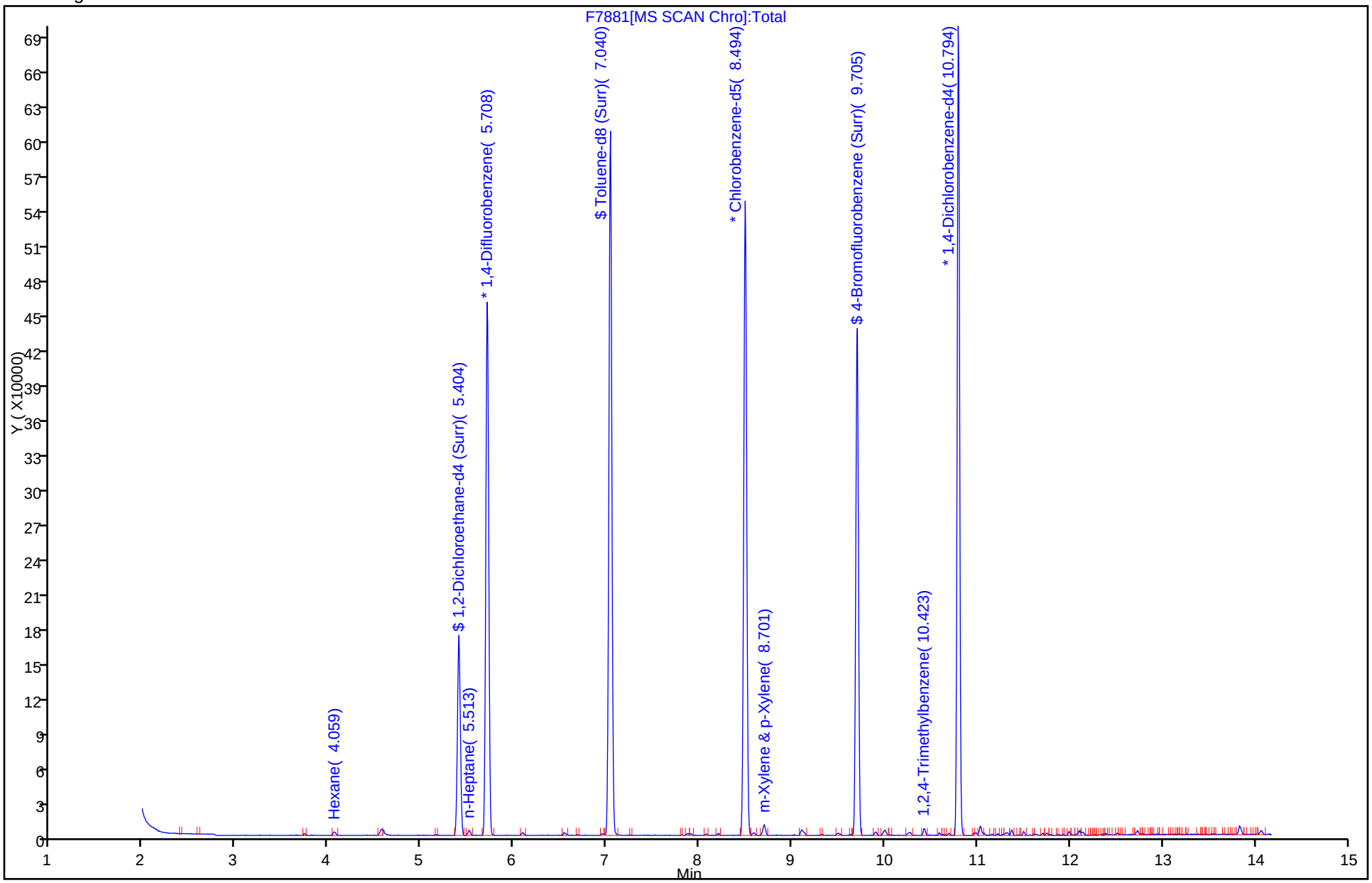
Processing Flags
1 - Missing Peaks
7 - Failed Limit of Detection

Report Date: 06-Apr-2012 23:05:14 Chrom Revision: 2.0 20-Feb-2012 13:27:02

Data File: \\Bufchrom\ChromData\HP5973F\20120406-10799.b\F7881.D

Injection Date:	06-Apr-2012 22:52:30	Limit Group:	MV - 8260B ICAL
Client ID:		Instrument ID:	HP5973F
Lims Batch ID:	58567	Lims Sample ID:	5
Operator ID:	CDC		
Column Type:	ZB-624	Column Dia:	0.25 mm

Y Scaling:

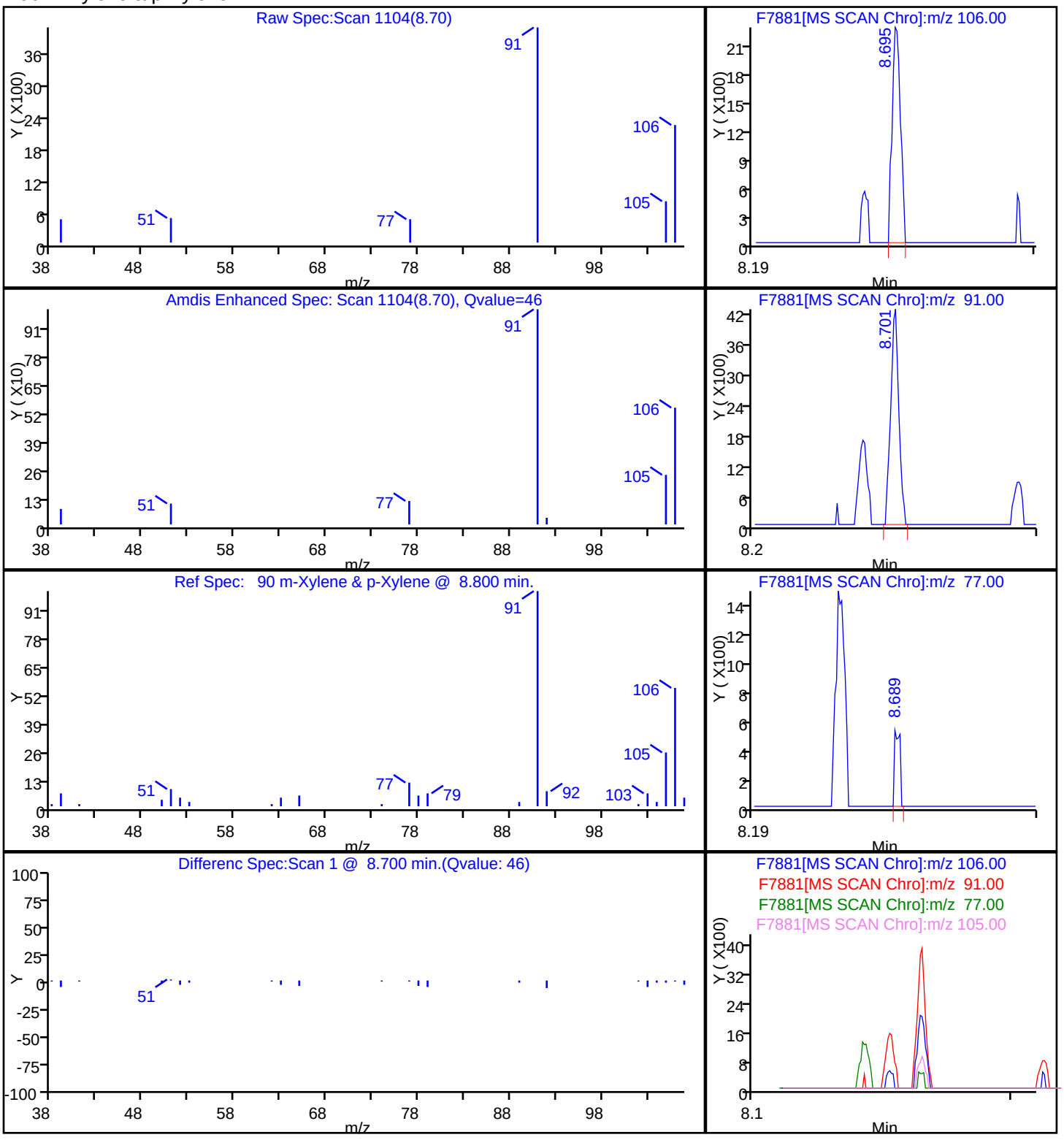


Report Date: 06-Apr-2012 23:05:14 Chrom Revision: 2.0 20-Feb-2012 13:27:02

Data File: \\Bufchrom\ChromData\HP5973F\20120406-10799.b\F7881.D

Injection Date:	06-Apr-2012 22:52:30	Limit Group:	MV - 8260B ICAL
Client ID:		Instrument ID:	HP5973F
Lims Batch ID:	58567	Lims Sample ID:	5
Operator ID:	CDC		
Column Type:	ZB-624	Column Dia:	0.25 mm

90 m-Xylene & p-Xylene



FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Buffalo | Job No.: 480-18068-1

SDG No.:

Client Sample ID: | Lab Sample ID: MB 480-58634/5

Matrix: Water | Lab File ID: G10804.D

Analysis Method: 8260B | Date Collected:

Sample wt/vol: 5(mL) | Date Analyzed: 04/07/2012 23:06

Soil Aliquot Vol: | Dilution Factor: 1

Soil Extract Vol.: | GC Column: ZB-624 (60) ID: 0.25(mm)

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

Analysis Batch No.: 58634 | Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
71-55-6	1,1,1-Trichloroethane	ND		1.0	0.82
79-34-5	1,1,2,2-Tetrachloroethane	ND		1.0	0.21
79-00-5	1,1,2-Trichloroethane	ND		1.0	0.23
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	ND		1.0	0.31
75-34-3	1,1-Dichloroethane	ND		1.0	0.38
75-35-4	1,1-Dichloroethene	ND		1.0	0.29
120-82-1	1,2,4-Trichlorobenzene	ND		1.0	0.41
96-12-8	1,2-Dibromo-3-Chloropropane	ND		1.0	0.39
106-93-4	1,2-Dibromoethane	ND		1.0	0.73
95-50-1	1,2-Dichlorobenzene	ND		1.0	0.79
107-06-2	1,2-Dichloroethane	ND		1.0	0.21
78-87-5	1,2-Dichloropropane	ND		1.0	0.72
541-73-1	1,3-Dichlorobenzene	ND		1.0	0.78
106-46-7	1,4-Dichlorobenzene	ND		1.0	0.84
591-78-6	2-Hexanone	ND		5.0	1.2
78-93-3	2-Butanone (MEK)	ND		10	1.3
108-10-1	4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1
67-64-1	Acetone	ND		10	3.0
71-43-2	Benzene	ND		1.0	0.41
75-27-4	Bromodichloromethane	ND		1.0	0.39
75-25-2	Bromoform	ND		1.0	0.26
74-83-9	Bromomethane	ND		1.0	0.69
75-15-0	Carbon disulfide	ND		1.0	0.19
56-23-5	Carbon tetrachloride	ND		1.0	0.27
108-90-7	Chlorobenzene	ND		1.0	0.75
124-48-1	Dibromochloromethane	ND		1.0	0.32
75-00-3	Chloroethane	ND		1.0	0.32
67-66-3	Chloroform	ND		1.0	0.34
74-87-3	Chloromethane	ND		1.0	0.35
156-59-2	cis-1,2-Dichloroethene	ND		1.0	0.81
10061-01-5	cis-1,3-Dichloropropene	ND		1.0	0.36
110-82-7	Cyclohexane	ND		1.0	0.18
75-71-8	Dichlorodifluoromethane	ND		1.0	0.68
100-41-4	Ethylbenzene	ND		1.0	0.74
98-82-8	Isopropylbenzene	ND		1.0	0.79

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Buffalo | Job No.: 480-18068-1

SDG No.:

Client Sample ID: | Lab Sample ID: MB 480-58634/5

Matrix: Water | Lab File ID: G10804.D

Analysis Method: 8260B | Date Collected:

Sample wt/vol: 5(mL) | Date Analyzed: 04/07/2012 23:06

Soil Aliquot Vol: | Dilution Factor: 1

Soil Extract Vol.: | GC Column: ZB-624 (60) ID: 0.25(mm)

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

Analysis Batch No.: 58634 | Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
79-20-9	Methyl acetate	ND		1.0	0.50
1634-04-4	Methyl tert-butyl ether	ND		1.0	0.16
108-87-2	Methylcyclohexane	ND		1.0	0.16
75-09-2	Methylene Chloride	ND		1.0	0.44
100-42-5	Styrene	ND		1.0	0.73
127-18-4	Tetrachloroethene	ND		1.0	0.36
108-88-3	Toluene	ND		1.0	0.51
156-60-5	trans-1,2-Dichloroethene	ND		1.0	0.90
10061-02-6	trans-1,3-Dichloropropene	ND		1.0	0.37
79-01-6	Trichloroethene	ND		1.0	0.46
75-69-4	Trichlorofluoromethane	ND		1.0	0.88
75-01-4	Vinyl chloride	ND		1.0	0.90
1330-20-7	Xylenes, Total	ND		2.0	0.66

CAS NO.	SURROGATE	%REC	Q	LIMITS
17060-07-0	1,2-Dichloroethane-d4 (Surr)	108		66-137
2037-26-5	Toluene-d8 (Surr)	110		71-126
460-00-4	4-Bromofluorobenzene (Surr)	110		73-120

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

Lab Name: TestAmerica Buffalo | Job No.: 480-18068-1

SDG No.:

Client Sample ID: | Lab Sample ID: MB 480-58634/5

Matrix: Water | Lab File ID: G10804.D

Analysis Method: 8260B | Date Collected:

Sample wt/vol: 5(mL) | Date Analyzed: 04/07/2012 23:06

Soil Aliquot Vol: | Dilution Factor: 1

Soil Extract Vol.: | GC Column: ZB-624 (60) ID: 0.25(mm)

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

Analysis Batch No.: 58634 | Units: ug/L

Number TICs Found: 0 | TIC Result Total: 0

CAS NO.	COMPOUND NAME	RT	RESULT	Q
	Tentatively Identified Compound		None	

TestAmerica Laboratories
Target Compound Quantitation Report

Data File: \\Bufchrom\ChromData\HP5973G\20120407-10813.b\G10804.D
Lims ID: MB Client ID:
Inject. Date: 07-Apr-2012 23:06:30 Dil. Factor: 1.0000
Sample Type: MB
Sample ID: MB
Misc. Info.: 480-0010813-005 =480-0010813-005
Operator: DHC Instrument ID: HP5973G
Vol. Injected: 1.0000 ALS Bottle#: 31
Lims Batch ID: 58634 Lims Sample ID: 5
Detector: MS SCAN

Method: \\Bufchrom\ChromData\HP5973G\20120407-10813.b\G-8260.m
Last Update: 10-Apr-2012 01:05:40 Calib Date: 24-Mar-2012 03:26:30
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\Bufchrom\ChromData\HP5973G\20120323-10429.b\G10255.D
Limit Group: MV - 8260B ICAL
Integrator: RTE ID Type: Deconvolution ID
Process Host: CORP-CTX-16

First Level Reviewer: HillL Date: 08-Apr-2012 15:50:56

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/L	Flags
* 1 1,4-Difluorobenzene	114	5.356	5.356	0.0	96	206121	25.0	
* 2 Chlorobenzene-d5	82	8.221	8.221	0.0	87	107181	25.0	
* 3 1,4-Dichlorobenzene-d4	152	10.629	10.629	0.0	97	102105	25.0	
$ 4 1,2-Dichloroethane-d4 (Surr)	67	4.972	4.972	0.0	0	44918	27.0	
$ 5 Toluene-d8 (Surr)	98	6.740	6.740	0.0	93	286789	27.6	
$ 6 4-Bromofluorobenzene (Surr)	174	9.477	9.477	0.0	82	75220	27.5	
129 tert-amyl alcohol TIC	1		0.000					
10 Dichlorodifluoromethane	85		1.241					
11 Chlorodifluoromethane	51		1.278					
12 Chloromethane	50		1.375					
13 Vinyl chloride	62		1.491					
14 Bromomethane	94		1.747					
15 Chloroethane	64		1.881					
16 Dichlorofluoromethane	67		2.064					
17 Trichlorofluoromethane	101		2.094					
18 Ethyl ether	59		2.314					
68 Propene oxide	58		2.399					
19 Acrolein	56		2.491					
20 1,1-Dichloroethene	96		2.558					
21 1,1,2-Trichloro-1,2,2-trifluoroe	101		2.564					
22 Acetone	43		2.655					
23 Iodomethane	142		2.728					
24 Carbon disulfide	76		2.765					
25 Isopropyl alcohol	45		2.844					
26 3-Chloro-1-propene	41		2.875					
28 Methyl acetate	43		2.936					
27 Acetonitrile	40		2.960					
29 Methylene Chloride	84		3.082					
30 2-Methyl-2-propanol	59		3.216					
31 Methyl tert-butyl ether	73		3.241					
32 trans-1,2-Dichloroethene	96		3.241					

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/L	Flags
33 Acrylonitrile	53		3.314					
34 Hexane	57		3.430					
36 1,1-Dichloroethane	63		3.655					
37 Isopropyl ether	45		3.674					
39 2-Chloro-1,3-butadiene	53		3.710					
38 Vinyl acetate	43		3.716					
40 1,1-Dimethoxyethane	75		3.753					
41 Tert-butyl ethyl ether	59		4.009					
42 2,2-Dichloropropane	77		4.167					
43 cis-1,2-Dichloroethene	96		4.204					
44 2-Butanone (MEK)	43		4.253					
45 Ethyl acetate	43		4.283					
46 Propionitrile	54		4.356					
48 Chlorobromomethane	128		4.435					
49 Tetrahydrofuran	42		4.460					
47 Methacrylonitrile	41		4.460					
50 Chloroform	85		4.515					
51 1,1,1-Trichloroethane	97		4.618					
52 Cyclohexane	56		4.618					
53 Carbon tetrachloride	117		4.752					
54 1,1-Dichloropropene	75		4.771					
56 Benzene	78		4.972					
55 Isobutyl alcohol	43		5.021					
57 1,2-Dichloroethane	62		5.045					
58 Tert-amyl methyl ether	73		5.057					
59 n-Heptane	43		5.149					
61 Trichloroethene	95		5.582					
60 n-Butanol	56		5.637					
62 Methylcyclohexane	83		5.691					
63 1,2-Dichloropropane	63		5.819					
64 Methyl methacrylate	41		5.929					
65 Dibromomethane	93		5.953					
66 1,4-Dioxane	88		5.972					
67 Dichlorobromomethane	83		6.112					
69 2-Nitropropane	43		6.368					
70 2-Chloroethyl vinyl ether	63		6.392					
71 Epichlorohydrin	57		6.484					
72 cis-1,3-Dichloropropene	75		6.527					
73 4-Methyl-2-pentanone (MIBK)	43		6.679					
74 Toluene	92		6.807					
75 2-Methylthiophene	97		6.941					
76 trans-1,3-Dichloropropene	75		7.093					
77 3-Methylthiophene	97		7.106					
78 Ethyl methacrylate	69		7.142					
79 1,1,2-Trichloroethane	83		7.282					
80 Tetrachloroethene	166		7.331					
81 1,3-Dichloropropane	76		7.441					
82 2-Hexanone	43		7.514					
83 Chlorodibromomethane	129		7.673					
84 Ethylene Dibromide	107		7.776					
85 3-Chlorobenzotrifluoride	180		8.228					
86 Chlorobenzene	112		8.246					

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/L	Flags
87 4-Chlorobenzotrifluoride	180		8.289					
89 Ethylbenzene	91		8.343					
88 1,1,1,2-Tetrachloroethane	131		8.349					
90 m-Xylene & p-Xylene	106		8.465					
91 o-Xylene	106		8.892					
92 Styrene	104		8.922					
93 Bromoform	173		9.172					
94 2-Chlorobenzotrifluoride	180		9.203					
95 Isopropylbenzene	105		9.276					
96 Cyclohexanone	55		9.459					
97 Bromobenzene	156		9.623					
98 1,1,2,2-Tetrachloroethane	83		9.697					
101 N-Propylbenzene	91		9.715					
99 1,2,3-Trichloropropane	110		9.727					
100 trans-1,4-Dichloro-2-butene	53		9.739					
102 2-Chlorotoluene	126		9.819					
103 3-Chlorotoluene	126		9.880					
104 1,3,5-Trimethylbenzene	105		9.898					
105 4-Chlorotoluene	126		9.928					
106 tert-Butylbenzene	134		10.215					
107 1,2,4-Trimethylbenzene	105		10.270					
108 Pentachloroethane	167		10.276					
109 sec-Butylbenzene	105		10.428					
110 1,3-Dichlorobenzene	146		10.562					
111 4-Isopropyltoluene	119		10.574					
112 Dicyclopentadiene	66		10.630					
113 1,4-Dichlorobenzene	146		10.654					
114 1,2,3-Trimethylbenzene	105		10.684					
115 n-Butylbenzene	91		10.965					
116 1,2-Dichlorobenzene	146		11.007					
117 1,2-Dibromo-3-Chloropropane	75		11.751					
118 1,3,5-Trichlorobenzene	180		11.879					
119 1,2,4-Trichlorobenzene	180		12.422					
120 Hexachlorobutadiene	225		12.531					
121 Naphthalene	128		12.635					
122 1,2,3-Trichlorobenzene	180		12.842					
S 125 1,2-Dichloroethene, Total	1		30.000					7
S 126 1,3-Dichloropropene, Total	1		30.000					7
S 123 Total BTEX	1		30.000					7
S 124 Xylenes, Total	1		30.000					7
T 127 Ethanol TIC	45		0.000					1
T 128 Hexachloroethane TIC	1		0.000					1
T 9 Ethylene oxide	1		0.000					1
T 7 t-Amyl alcohol	59		0.000					1
T 8 bis(2-chloromethyl)ether TIC	1		0.000					1

QC Flag Legend

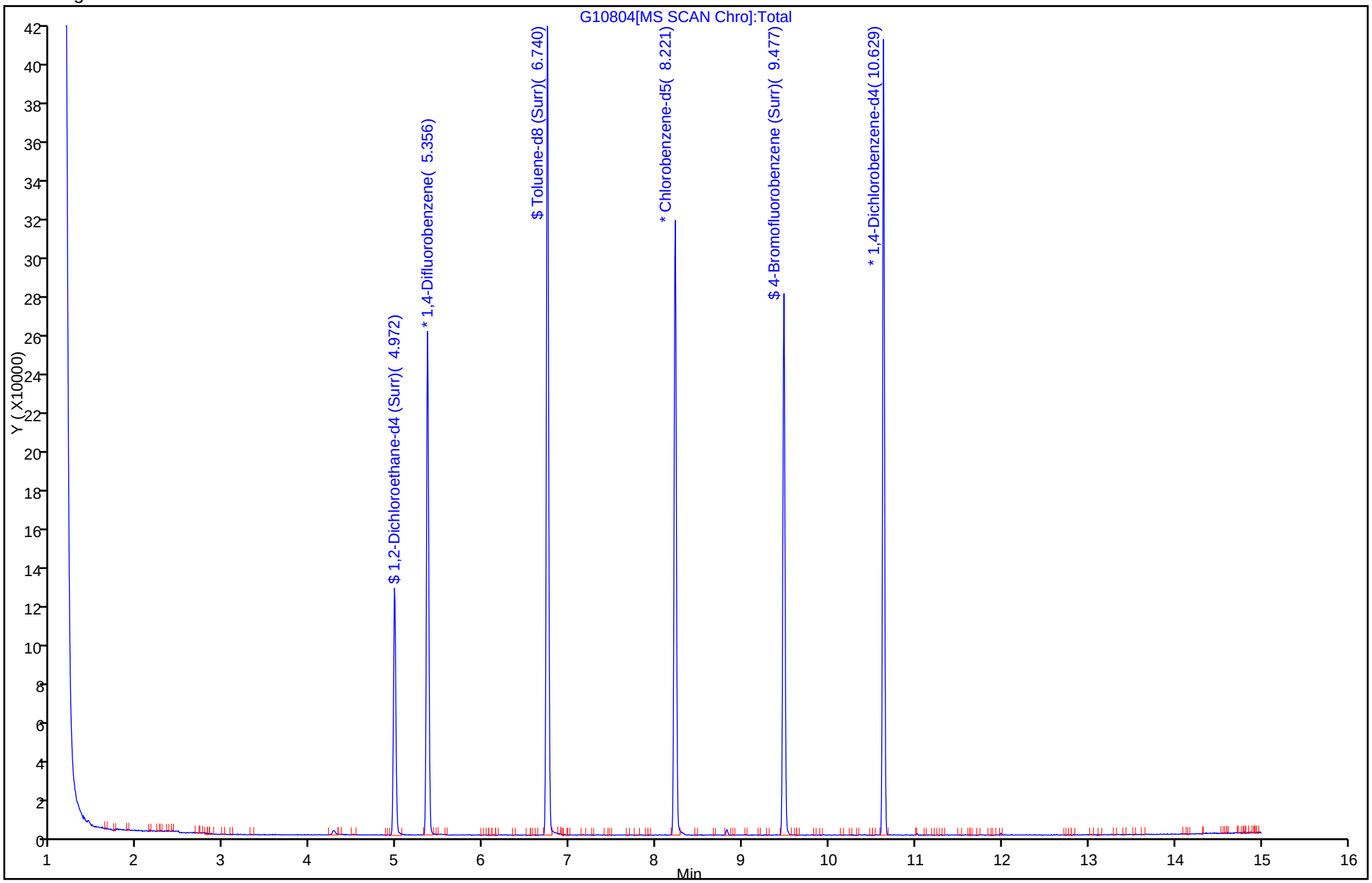
Processing Flags
1 - Missing Peaks
7 - Failed Limit of Detection

Report Date: 10-Apr-2012 01:05:40 Chrom Revision: 2.0 20-Feb-2012 13:27:02

Data File: \\Bufchrom\ChromData\HP5973G\20120407-10813.b\G10804.D

Injection Date:	07-Apr-2012 23:06:30	Limit Group:	MV - 8260B ICAL
Client ID:		Instrument ID:	HP5973G
Lims Batch ID:	58634	Lims Sample ID:	5
Operator ID:	DHC		
Column Type:	ZB-624	Column Dia:	0.25 mm

Y Scaling:



FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Buffalo | Job No.: 480-18068-1

SDG No.:

Client Sample ID: | Lab Sample ID: MB 480-58856/6

Matrix: Solid | Lab File ID: F7963.D

Analysis Method: 8260B | Date Collected:

Sample wt/vol: 5(g) | Date Analyzed: 04/10/2012 11:15

Soil Aliquot Vol: | Dilution Factor: 1

Soil Extract Vol.: | GC Column: ZB-624 (60) ID: 0.25(mm)

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

Analysis Batch No.: 58856 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
71-55-6	1,1,1-Trichloroethane	ND		5.0	0.36
79-34-5	1,1,2,2-Tetrachloroethane	ND		5.0	0.81
79-00-5	1,1,2-Trichloroethane	ND		5.0	0.65
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	ND		5.0	1.1
75-34-3	1,1-Dichloroethane	ND		5.0	0.61
75-35-4	1,1-Dichloroethene	ND		5.0	0.61
120-82-1	1,2,4-Trichlorobenzene	ND		5.0	0.30
96-12-8	1,2-Dibromo-3-Chloropropane	ND		5.0	2.5
106-93-4	1,2-Dibromoethane	ND		5.0	0.64
95-50-1	1,2-Dichlorobenzene	ND		5.0	0.39
107-06-2	1,2-Dichloroethane	ND		5.0	0.25
78-87-5	1,2-Dichloropropane	ND		5.0	2.5
541-73-1	1,3-Dichlorobenzene	ND		5.0	0.26
106-46-7	1,4-Dichlorobenzene	ND		5.0	0.70
591-78-6	2-Hexanone	ND		25	2.5
78-93-3	2-Butanone (MEK)	ND		25	1.8
108-10-1	4-Methyl-2-pentanone (MIBK)	ND		25	1.6
67-64-1	Acetone	ND		25	4.2
71-43-2	Benzene	ND		5.0	0.25
75-27-4	Bromodichloromethane	ND		5.0	0.67
75-25-2	Bromoform	ND		5.0	2.5
74-83-9	Bromomethane	ND		5.0	0.45
75-15-0	Carbon disulfide	ND		5.0	2.5
56-23-5	Carbon tetrachloride	ND		5.0	0.48
108-90-7	Chlorobenzene	ND		5.0	0.66
124-48-1	Dibromochloromethane	ND		5.0	0.64
75-00-3	Chloroethane	ND		5.0	1.1
67-66-3	Chloroform	ND		5.0	0.31
74-87-3	Chloromethane	ND		5.0	0.30
156-59-2	cis-1,2-Dichloroethene	ND		5.0	0.64
10061-01-5	cis-1,3-Dichloropropene	ND		5.0	0.72
110-82-7	Cyclohexane	ND		5.0	0.70
75-71-8	Dichlorodifluoromethane	ND		5.0	0.41
100-41-4	Ethylbenzene	ND		5.0	0.35
98-82-8	Isopropylbenzene	ND		5.0	0.75

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Buffalo | Job No.: 480-18068-1

SDG No.:

Client Sample ID: | Lab Sample ID: MB 480-58856/6

Matrix: Solid | Lab File ID: F7963.D

Analysis Method: 8260B | Date Collected:

Sample wt/vol: 5(g) | Date Analyzed: 04/10/2012 11:15

Soil Aliquot Vol: | Dilution Factor: 1

Soil Extract Vol.: | GC Column: ZB-624 (60) ID: 0.25(mm)

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

Analysis Batch No.: 58856 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
79-20-9	Methyl acetate	ND		5.0	0.93
1634-04-4	Methyl tert-butyl ether	ND		5.0	0.49
108-87-2	Methylcyclohexane	ND		5.0	0.76
75-09-2	Methylene Chloride	ND		5.0	2.3
100-42-5	Styrene	ND		5.0	0.25
127-18-4	Tetrachloroethene	ND		5.0	0.67
108-88-3	Toluene	ND		5.0	0.38
156-60-5	trans-1,2-Dichloroethene	ND		5.0	0.52
10061-02-6	trans-1,3-Dichloropropene	ND		5.0	2.2
79-01-6	Trichloroethene	ND		5.0	1.1
75-69-4	Trichlorofluoromethane	ND		5.0	0.47
75-01-4	Vinyl chloride	ND		5.0	0.61
1330-20-7	Xylenes, Total	ND		10	0.84

CAS NO.	SURROGATE	%REC	Q	LIMITS
17060-07-0	1,2-Dichloroethane-d4 (Surr)	89		64-126
2037-26-5	Toluene-d8 (Surr)	108		71-125
460-00-4	4-Bromofluorobenzene (Surr)	107		72-126

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

Lab Name: TestAmerica Buffalo | Job No.: 480-18068-1

SDG No.:

Client Sample ID: | Lab Sample ID: MB 480-58856/6

Matrix: Solid | Lab File ID: F7963.D

Analysis Method: 8260B | Date Collected:

Sample wt/vol: 5(g) | Date Analyzed: 04/10/2012 11:15

Soil Aliquot Vol: | Dilution Factor: 1

Soil Extract Vol.: | GC Column: ZB-624 (60) ID: 0.25(mm)

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

Analysis Batch No.: 58856 | Units: ug/Kg

Number TICs Found: 0 | TIC Result Total: 0

CAS NO.	COMPOUND NAME	RT	RESULT	Q
	Tentatively Identified Compound		None	

TestAmerica Laboratories
Target Compound Quantitation Report

Data File:	\\Bufchrom\ChromData\HP5973F\20120410-10858.b\F7963.D		
Lims ID:	MB	Client ID:	
Inject. Date:	10-Apr-2012 11:15:30	Dil. Factor:	1.0000
Sample Type:	MB		
Sample ID:	MB		
Misc. Info.:	480-0010858-006 =480-0010858-006		
Operator:	jmb	Instrument ID:	HP5973F
Vol. Injected:	1.0000	ALS Bottle#:	6
Lims Batch ID:	58856	Lims Sample ID:	6
Detector:	MS SCAN		
Method:	\\Bufchrom\ChromData\HP5973F\20120410-10858.b\F-8260 SOIL.m		
Last Update:	10-Apr-2012 11:38:01	Calib Date:	09-Mar-2012 18:10:30
Quant Method:	Internal Standard	Quant By:	Initial Calibration
Last ICal File:	\\Bufchrom\ChromData\HP5973F\20120309-10095.b\F7259.D		
Limit Group:	MV - 8260B ICAL		
Integrator:	RTE	ID Type:	RT Order ID
Process Host:	CORP-CTX-19		

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/kg	Flags
* 1 1,4-Difluorobenzene	114	5.714	5.714	0.0	93	455558	50.0	
* 2 Chlorobenzene-d5	82	8.494	8.500	-0.006	81	185201	50.0	
* 3 1,4-Dichlorobenzene-d4	152	10.800	10.800	0.0	92	221612	50.0	
$ 4 1,2-Dichloroethane-d4 (Surr)	67	5.410	5.404	0.006	98	61704	44.6	
$ 5 Toluene-d8 (Surr)	98	7.040	7.040	0.0	91	473454	54.1	
$ 6 4-Bromofluorobenzene (Surr)	174	9.705	9.705	0.0	90	155236	53.3	
10 Dichlorodifluoromethane	85		2.070					
11 Chlorodifluoromethane	51		2.070					
12 Chloromethane	50		2.216					
13 Vinyl chloride	62		2.338					
14 Bromomethane	94		2.636					
15 Chloroethane	64		2.715					
16 Dichlorofluoromethane	67		2.885					
17 Trichlorofluoromethane	101		2.940					
18 Ethyl ether	59		3.110					
19 Propene oxide	58		3.208					
20 Acrolein	56		3.281					
21 1,1,2-Trichloro-1,2,2-trifluoroe	101		3.311					
22 1,1-Dichloroethene	96		3.347					
23 Acetone	43		3.390					
24 Isopropyl alcohol	45		3.469					
25 Iodomethane	142		3.512					
26 Carbon disulfide	76		3.566					
27 Methyl acetate	43		3.615					
28 3-Chloro-1-propene	41		3.621					
29 Acetonitrile	40		3.652					
30 Methylene Chloride	84		3.743					
31 2-Methyl-2-propanol	59		3.780					
32 Methyl tert-butyl ether	73		3.895					
34 trans-1,2-Dichloroethene	96		3.932					
33 Acrylonitrile	53		3.944					
35 Hexane	57		4.065					
36 Isopropyl ether	45		4.218					

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/kg	Flags
37 Vinyl acetate	43		4.254					
39 1,1-Dichloroethane	63		4.272					
38 1,1-Dimethoxyethane	75		4.291					
40 2-Chloro-1,3-butadiene	53		4.321					
41 Tert-butyl ethyl ether	59		4.504					
42 Ethyl acetate	43		4.710					
43 2-Butanone (MEK)	43		4.716					
44 2,2-Dichloropropane	77		4.722					
45 cis-1,2-Dichloroethene	96		4.735					
46 Propionitrile	54		4.814					
47 Methacrylonitrile	41		4.911					
48 Chlorobromomethane	128		4.947					
49 Tetrahydrofuran	42		4.960					
50 Chloroform	83		4.978					
51 1,1,1-Trichloroethane	97		5.124					
52 Cyclohexane	56		5.154					
54 1,1-Dichloropropene	75		5.246					
55 Carbon tetrachloride	117		5.258					
53 Isobutyl alcohol	43		5.294					
57 Benzene	78		5.434					
56 Tert-amyl methyl ether	73		5.440					
58 1,2-Dichloroethane	62		5.471					
59 n-Heptane	43		5.519					
60 n-Butanol	56		5.848					
62 Trichloroethene	95		5.963					
64 Methylcyclohexane	83		6.097					
65 1,2-Dichloropropane	63		6.182					
63 Methyl methacrylate	41		6.189					
66 1,4-Dioxane	88		6.286					
67 Dibromomethane	93		6.322					
68 Dichlorobromomethane	83		6.432					
69 2-Chloroethyl vinyl ether	63		6.633					
70 2-Nitropropane	43		6.639					
71 Epichlorohydrin	57		6.748					
72 cis-1,3-Dichloropropene	75		6.809					
73 4-Methyl-2-pentanone (MIBK)	43		6.906					
74 Toluene	92		7.107					
75 Ethyl methacrylate	69		7.320					
77 trans-1,3-Dichloropropene	75		7.332					
79 1,1,2-Trichloroethane	83		7.527					
81 Tetrachloroethene	166		7.636					
82 1,3-Dichloropropane	76		7.697					
80 2-Hexanone	43		7.703					
83 Chlorodibromomethane	129		7.941					
84 Ethylene Dibromide	107		8.074					
85 3-Chlorobenzotrifluoride	180		8.415					
86 4-Chlorobenzotrifluoride	180		8.476					
87 Chlorobenzene	112		8.525					
88 Ethylbenzene	91		8.585					
89 1,1,1,2-Tetrachloroethane	131		8.604					
90 m-Xylene & p-Xylene	106		8.701					
91 o-Xylene	106		9.139					

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/kg	Flags
92 Styrene	104		9.163					
93 2-Chlorobenzotrifluoride	180		9.407					
95 Bromoform	173		9.437					
94 Isopropylbenzene	105		9.492					
96 Cyclohexanone	55		9.693					
97 1,1,2,2-Tetrachloroethane	83		9.863					
101 Bromobenzene	156		9.875					
98 trans-1,4-Dichloro-2-butene	53		9.899					
99 N-Propylbenzene	91		9.906					
100 1,2,3-Trichloropropane	110		9.918					
103 2-Chlorotoluene	126		10.033					
102 1,3,5-Trimethylbenzene	105		10.064					
104 3-Chlorotoluene	126		10.094					
105 4-Chlorotoluene	126		10.137					
106 tert-Butylbenzene	134		10.380					
107 1,2,4-Trimethylbenzene	105		10.429					
108 Pentachloroethane	167		10.459					
109 sec-Butylbenzene	105		10.581					
110 4-Isopropyltoluene	119		10.703					
111 1,3-Dichlorobenzene	146		10.739					
113 1,4-Dichlorobenzene	146		10.818					
114 Dicyclopentadiene	66		10.818					
112 1,2,3-Trimethylbenzene	105		10.830					
76 2-Methylthiophene	97		10.900					
78 3-Methylthiophene	97		11.028					
115 n-Butylbenzene	91		11.068					
116 1,2-Dichlorobenzene	146		11.165					
117 1,2-Dibromo-3-Chloropropane	75		11.834					
118 1,3,5-Trichlorobenzene	180		11.956					
119 1,2,4-Trichlorobenzene	180		12.491					
120 Hexachlorobutadiene	225		12.582					
121 Naphthalene	128		12.728					
122 1,2,3-Trichlorobenzene	180		12.953					
S 125 1,2-Dichloroethene, Total	1		30.000					7
S 126 1,3-Dichloropropene, Total	1		30.000					7
S 123 Total BTEX	1		30.000					7
S 124 Xylenes, Total	1		30.000					7
T 127 Ethanol TIC	45		0.000					1
T 128 Hexachloroethane TIC	1		0.000					1
T 129 tert-amyl alcohol TIC	59		0.000					1
T 7 Ethylene oxide	1		0.000					1
T 8 t-Amyl alcohol	59		0.000					1
T 9 bis(2-chloromethyl)ether TIC	1		0.000					1

QC Flag Legend

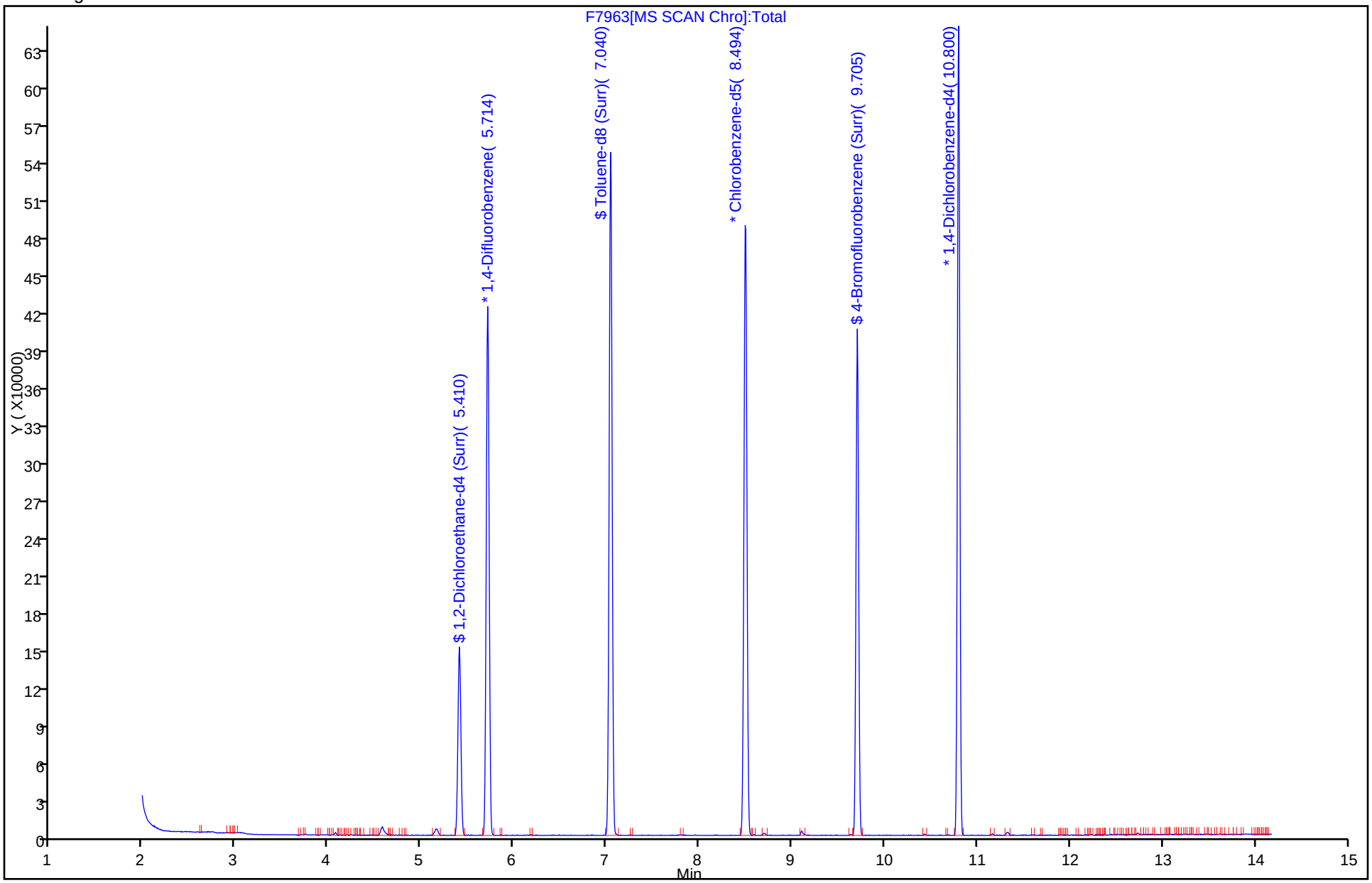
Processing Flags
1 - Missing Peaks
7 - Failed Limit of Detection

Report Date: 10-Apr-2012 11:38:01 Chrom Revision: 2.0 20-Feb-2012 13:27:02

Data File: \\Bufchrom\ChromData\HP5973F\20120410-10858.b\F7963.D

Injection Date:	10-Apr-2012 11:15:30	Limit Group:	MV - 8260B ICAL
Client ID:		Instrument ID:	HP5973F
Lims Batch ID:	58856	Lims Sample ID:	6
Operator ID:	jmb		
Column Type:	ZB-624	Column Dia:	0.25 mm

Y Scaling:



FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Buffalo | Job No.: 480-18068-1

SDG No.:

Client Sample ID: | Lab Sample ID: LCS 480-58567/4

Matrix: Solid | Lab File ID: F7880.D

Analysis Method: 8260B | Date Collected:

Sample wt/vol: 5(g) | Date Analyzed: 04/06/2012 22:26

Soil Aliquot Vol: | Dilution Factor: 1

Soil Extract Vol.: | GC Column: ZB-624 (60) ID: 0.25(mm)

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

Analysis Batch No.: 58567 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
75-34-3	1,1-Dichloroethane	45.1		5.0	0.61
75-35-4	1,1-Dichloroethene	39.9		5.0	0.61
95-50-1	1,2-Dichlorobenzene	48.8		5.0	0.39
107-06-2	1,2-Dichloroethane	43.6		5.0	0.25
71-43-2	Benzene	47.7		5.0	0.25
108-90-7	Chlorobenzene	47.4		5.0	0.66
156-59-2	cis-1,2-Dichloroethene	47.8		5.0	0.64
100-41-4	Ethylbenzene	48.2		5.0	0.35
1634-04-4	Methyl tert-butyl ether	44.5		5.0	0.49
127-18-4	Tetrachloroethene	47.4		5.0	0.67
108-88-3	Toluene	47.7		5.0	0.38
156-60-5	trans-1,2-Dichloroethene	48.2		5.0	0.52
79-01-6	Trichloroethene	46.2		5.0	1.1
1330-20-7	Xylenes, Total	146		10	0.84

CAS NO.	SURROGATE	%REC	Q	LIMITS
17060-07-0	1,2-Dichloroethane-d4 (Surr)	96		64-126
2037-26-5	Toluene-d8 (Surr)	104		71-125
460-00-4	4-Bromofluorobenzene (Surr)	100		72-126

TestAmerica Laboratories
Target Compound Quantitation Report

Data File: \\Bufchrom\ChromData\HP5973F\20120406-10799.b\F7880.D
Lims ID: LCS Client ID:
Inject. Date: 06-Apr-2012 22:26:30 Dil. Factor: 1.0000
Sample Type: LCS
Sample ID: LCS
Misc. Info.: 480-0010799-004 =480-0010799-004
Operator: CDC Instrument ID: HP5973F
Vol. Injected: 1.0000 ALS Bottle#: 3
Lims Batch ID: 58567 Lims Sample ID: 4
Detector: MS SCAN

Method: \\Bufchrom\ChromData\HP5973F\20120406-10799.b\F-8260 SOIL.m
Last Update: 06-Apr-2012 23:04:21 Calib Date: 09-Mar-2012 18:10:30
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\Bufchrom\ChromData\HP5973F\20120309-10095.b\F7259.D
Limit Group: MV - 8260B ICAL
Integrator: RTE ID Type: Deconvolution ID
Process Host: CORP-CTX-19

First Level Reviewer: cwiklinc Date: 06-Apr-2012 23:04:21

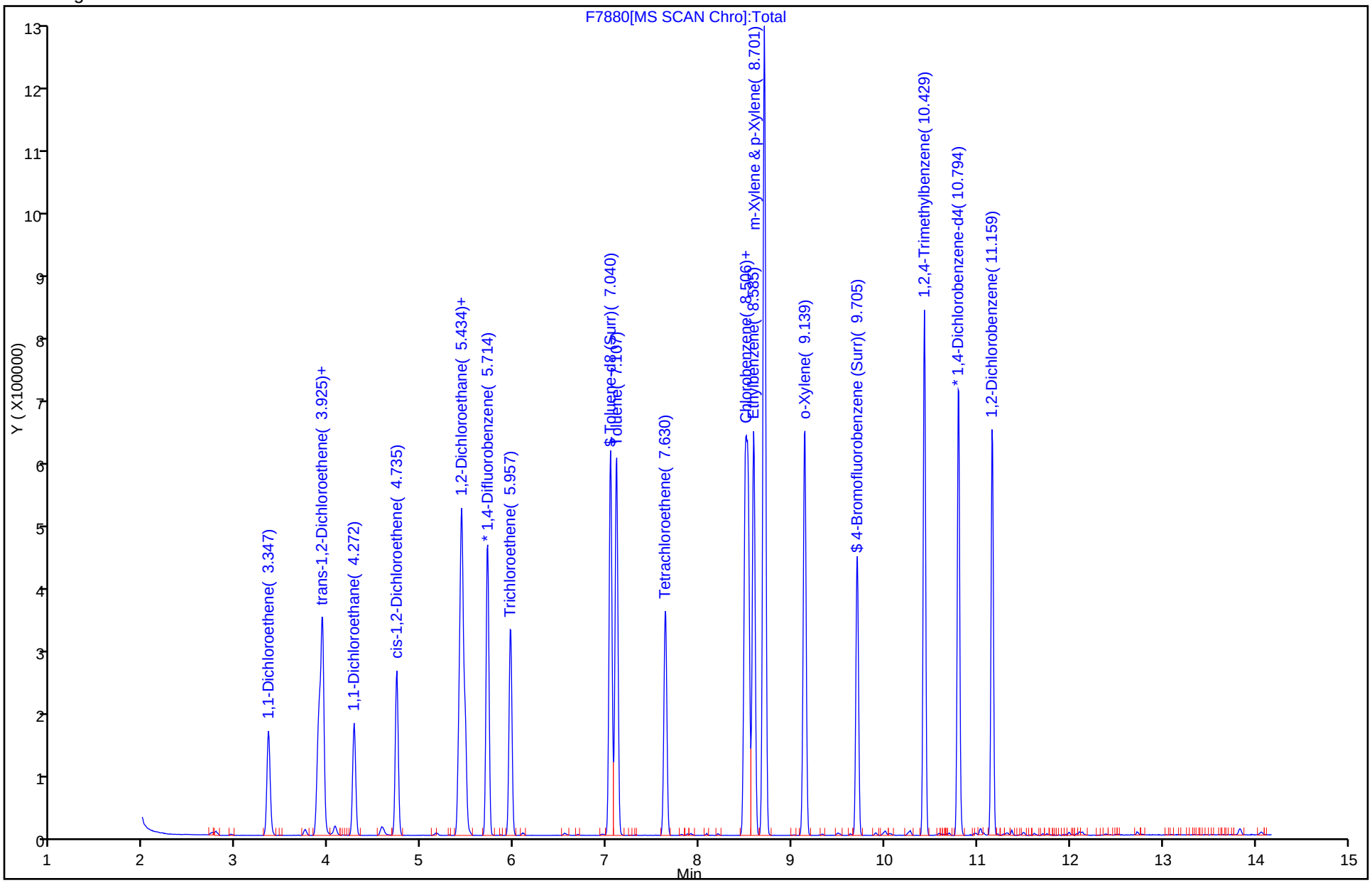
Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/kg	Flags
* 1 1,4-Difluorobenzene	114	5.714	5.714	0.0	93	484337	50.0	
* 2 Chlorobenzene-d5	82	8.494	8.494	0.0	82	208568	50.0	
* 3 1,4-Dichlorobenzene-d4	152	10.800	10.800	0.0	93	233688	50.0	
$ 4 1,2-Dichloroethane-d4 (Surr)	67	5.410	5.410	0.0	95	70874	48.1	
$ 5 Toluene-d8 (Surr)	98	7.040	7.040	0.0	92	514243	52.2	
$ 6 4-Bromofluorobenzene (Surr)	174	9.705	9.705	0.0	89	164608	50.2	
22 1,1-Dichloroethene	96	3.347	3.341	0.006	88	93650	39.9	
32 Methyl tert-butyl ether	73	3.901	3.895	0.006	90	361424	44.5	
34 trans-1,2-Dichloroethene	96	3.931	3.932	-0.001	97	131299	48.2	
39 1,1-Dichloroethane	63	4.272	4.272	0.0	83	208627	45.1	
45 cis-1,2-Dichloroethene	96	4.735	4.729	0.006	64	147095	47.8	
57 Benzene	78	5.434	5.434	0.0	97	496584	47.7	
58 1,2-Dichloroethane	62	5.471	5.471	0.0	75	159654	43.6	
62 Trichloroethene	95	5.963	5.957	0.006	90	129039	46.2	
74 Toluene	92	7.107	7.107	0.0	98	331117	47.7	
81 Tetrachloroethene	166	7.636	7.630	0.006	91	146191	47.4	
87 Chlorobenzene	112	8.525	8.525	0.0	95	400466	47.4	
88 Ethylbenzene	91	8.585	8.585	0.0	97	617430	48.2	
90 m-Xylene & p-Xylene	106	8.701	8.701	0.0	99	516045	96.5	
91 o-Xylene	106	9.139	9.133	0.006	96	252815	49.2	
107 1,2,4-Trimethylbenzene	105	10.429	10.429	0.0	96	540538	49.8	
116 1,2-Dichlorobenzene	146	11.165	11.159	0.006	99	324048	48.8	
S 124 Xylenes, Total	1				0		145.6	
S 125 1,2-Dichloroethene, Total	1				0		96.1	

Report Date: 06-Apr-2012 23:04:21 Chrom Revision: 2.0 20-Feb-2012 13:27:02

Data File: \\Bufchrom\ChromData\HP5973F\20120406-10799.b\F7880.D

Injection Date:	06-Apr-2012 22:26:30	Limit Group:	MV - 8260B ICAL
Client ID:		Instrument ID:	HP5973F
Lims Batch ID:	58567	Lims Sample ID:	4
Operator ID:	CDC		
Column Type:	ZB-624	Column Dia:	0.25 mm

Y Scaling:



FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Buffalo | Job No.: 480-18068-1

SDG No.:

Client Sample ID: | Lab Sample ID: LCS 480-58634/4

Matrix: Water | Lab File ID: G10803.D

Analysis Method: 8260B | Date Collected:

Sample wt/vol: 5(mL) | Date Analyzed: 04/07/2012 22:42

Soil Aliquot Vol: | Dilution Factor: 1

Soil Extract Vol.: | GC Column: ZB-624 (60) ID: 0.25(mm)

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

Analysis Batch No.: 58634 | Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
75-34-3	1,1-Dichloroethane	30.4		1.0	0.38
75-35-4	1,1-Dichloroethene	20.8		1.0	0.29
95-50-1	1,2-Dichlorobenzene	27.0		1.0	0.79
107-06-2	1,2-Dichloroethane	24.3		1.0	0.21
71-43-2	Benzene	26.0		1.0	0.41
108-90-7	Chlorobenzene	27.3		1.0	0.75
156-59-2	cis-1,2-Dichloroethene	29.5		1.0	0.81
100-41-4	Ethylbenzene	27.4		1.0	0.74
1634-04-4	Methyl tert-butyl ether	25.7		1.0	0.16
127-18-4	Tetrachloroethene	27.3		1.0	0.36
108-88-3	Toluene	26.9		1.0	0.51
156-60-5	trans-1,2-Dichloroethene	25.8		1.0	0.90
79-01-6	Trichloroethene	25.4		1.0	0.46
1330-20-7	Xylenes, Total	82.2		2.0	0.66

CAS NO.	SURROGATE	%REC	Q	LIMITS
17060-07-0	1,2-Dichloroethane-d4 (Surr)	108		66-137
2037-26-5	Toluene-d8 (Surr)	112		71-126
460-00-4	4-Bromofluorobenzene (Surr)	113		73-120

TestAmerica Laboratories
Target Compound Quantitation Report

Data File: \\Bufchrom\ChromData\HP5973G\20120407-10813.b\G10803.D
Lims ID: LCS Client ID:
Inject. Date: 07-Apr-2012 22:42:30 Dil. Factor: 1.0000
Sample Type: LCS
Sample ID: LCS
Misc. Info.: 480-0010813-004 =480-0010813-004
Operator: DHC Instrument ID: HP5973G
Vol. Injected: 1.0000 ALS Bottle#: 30
Lims Batch ID: 58634 Lims Sample ID: 4
Detector: MS SCAN

Method: \\Bufchrom\ChromData\HP5973G\20120407-10813.b\G-8260.m
Last Update: 08-Apr-2012 15:50:38 Calib Date: 24-Mar-2012 03:26:30
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\Bufchrom\ChromData\HP5973G\20120323-10429.b\G10255.D
Limit Group: MV - 8260B ICAL
Integrator: RTE ID Type: Deconvolution ID
Process Host: CORP-CTX-16

First Level Reviewer: HillL Date: 08-Apr-2012 15:50:38

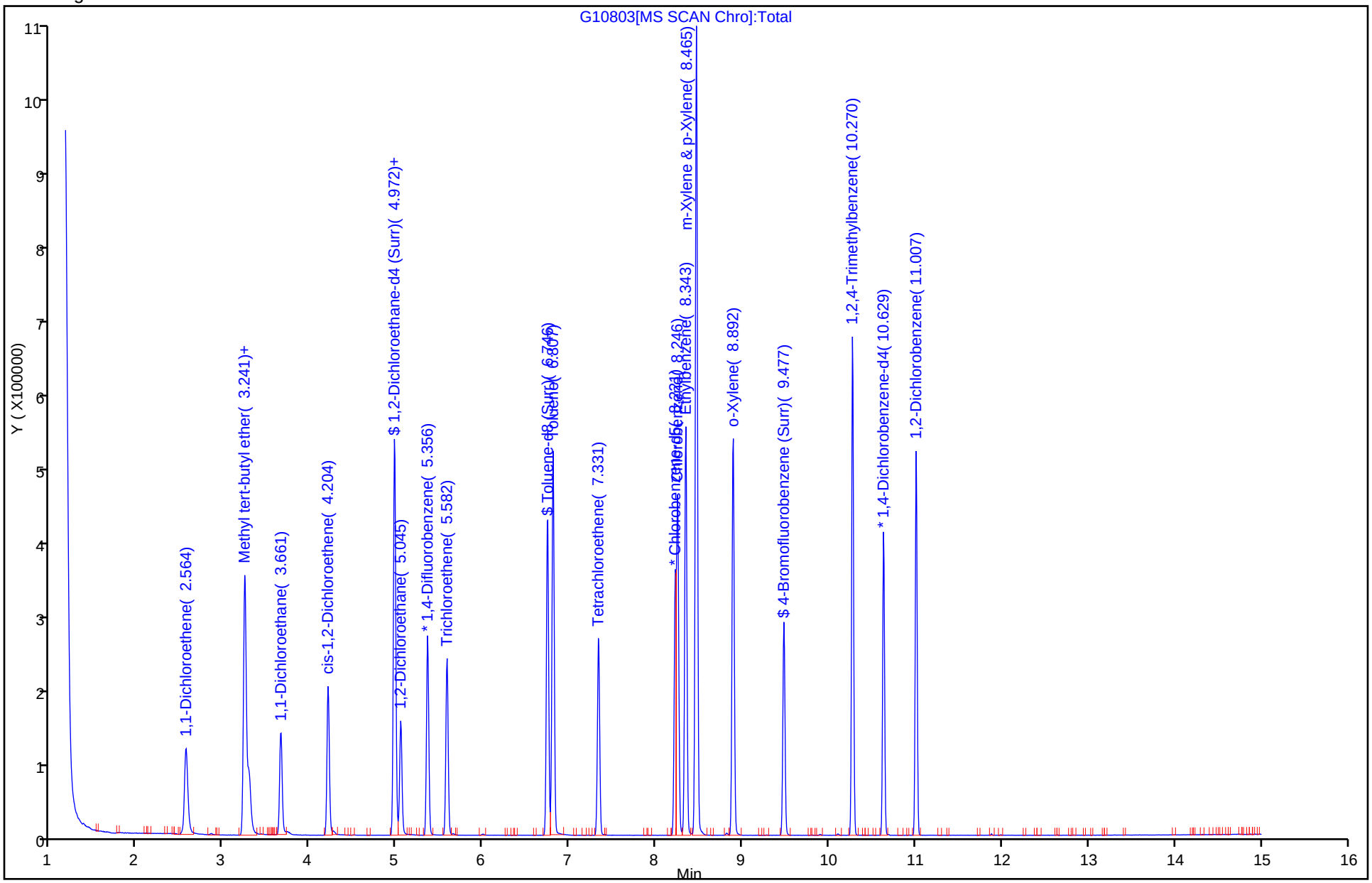
Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/L	Flags
* 1 1,4-Difluorobenzene	114	5.356	5.356	0.0	96	209692	25.0	
* 2 Chlorobenzene-d5	82	8.221	8.221	0.0	87	107728	25.0	
* 3 1,4-Dichlorobenzene-d4	152	10.629	10.630	-0.001	97	102680	25.0	
$ 4 1,2-Dichloroethane-d4 (Surr)	67	4.972	4.972	0.0	0	45482	26.9	
$ 5 Toluene-d8 (Surr)	98	6.746	6.740	0.006	93	292039	28.0	
$ 6 4-Bromofluorobenzene (Surr)	174	9.477	9.477	0.0	83	77680	28.2	
20 1,1-Dichloroethene	96	2.564	2.558	0.006	86	65654	20.8	
31 Methyl tert-butyl ether	73	3.241	3.241	0.0	93	263930	25.7	
32 trans-1,2-Dichloroethene	96	3.247	3.241	0.006	91	90798	25.8	
36 1,1-Dichloroethane	63	3.655	3.655	0.0	85	151426	30.4	
43 cis-1,2-Dichloroethene	96	4.204	4.204	0.0	72	86576	29.5	
56 Benzene	78	4.972	4.972	0.0	96	352424	26.0	
57 1,2-Dichloroethane	62	5.045	5.045	0.0	90	115879	24.3	
61 Trichloroethene	95	5.582	5.582	0.0	94	81228	25.4	
74 Toluene	92	6.807	6.807	0.0	98	228318	26.9	
80 Tetrachloroethene	166	7.337	7.331	0.006	92	80952	27.3	
86 Chlorobenzene	112	8.252	8.246	0.006	92	244482	27.3	
89 Ethylbenzene	91	8.343	8.343	0.0	99	430991	27.4	
90 m-Xylene & p-Xylene	106	8.465	8.465	0.0	99	332559	54.4	
91 o-Xylene	106	8.892	8.892	0.0	98	161408	27.8	
107 1,2,4-Trimethylbenzene	105	10.270	10.270	0.0	98	372295	26.4	
116 1,2-Dichlorobenzene	146	11.007	11.007	0.0	95	195957	27.0	
S 125 1,2-Dichloroethene, Total	1				0		55.3	
S 124 Xylenes, Total	1				0		82.2	

Report Date: 08-Apr-2012 15:50:38 Chrom Revision: 2.0 20-Feb-2012 13:27:02

Data File: \\Bufchrom\ChromData\HP5973G\20120407-10813.b\G10803.D

Injection Date:	07-Apr-2012 22:42:30	Limit Group:	MV - 8260B ICAL
Client ID:		Instrument ID:	HP5973G
Lims Batch ID:	58634	Lims Sample ID:	4
Operator ID:	DHC		
Column Type:	ZB-624	Column Dia:	0.25 mm

Y Scaling:



FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Buffalo | Job No.: 480-18068-1

SDG No.:

Client Sample ID: | Lab Sample ID: LCS 480-58856/5

Matrix: Solid | Lab File ID: F7962.D

Analysis Method: 8260B | Date Collected:

Sample wt/vol: 5(g) | Date Analyzed: 04/10/2012 10:50

Soil Aliquot Vol: | Dilution Factor: 1

Soil Extract Vol.: | GC Column: ZB-624 (60) ID: 0.25(mm)

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

Analysis Batch No.: 58856 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
75-34-3	1,1-Dichloroethane	44.8		5.0	0.61
75-35-4	1,1-Dichloroethene	40.5		5.0	0.61
95-50-1	1,2-Dichlorobenzene	47.4		5.0	0.39
107-06-2	1,2-Dichloroethane	42.9		5.0	0.25
71-43-2	Benzene	46.1		5.0	0.25
108-90-7	Chlorobenzene	49.2		5.0	0.66
156-59-2	cis-1,2-Dichloroethene	47.0		5.0	0.64
100-41-4	Ethylbenzene	48.0		5.0	0.35
1634-04-4	Methyl tert-butyl ether	42.8		5.0	0.49
127-18-4	Tetrachloroethene	50.6		5.0	0.67
108-88-3	Toluene	47.9		5.0	0.38
156-60-5	trans-1,2-Dichloroethene	47.5		5.0	0.52
79-01-6	Trichloroethene	45.2		5.0	1.1
1330-20-7	Xylenes, Total	146		10	0.84

CAS NO.	SURROGATE	%REC	Q	LIMITS
17060-07-0	1,2-Dichloroethane-d4 (Surr)	96		64-126
2037-26-5	Toluene-d8 (Surr)	108		71-125
460-00-4	4-Bromofluorobenzene (Surr)	109		72-126

TestAmerica Laboratories
Target Compound Quantitation Report

Data File:	\\Bufchrom\ChromData\HP5973F\20120410-10858.b\F7962.D		
Lims ID:	LCS	Client ID:	
Inject. Date:	10-Apr-2012 10:50:30	Dil. Factor:	1.0000
Sample Type:	LCS		
Sample ID:	LCS		
Misc. Info.:	480-0010858-005 =480-0010858-005		
Operator:	jmb	Instrument ID:	HP5973F
Vol. Injected:	1.0000	ALS Bottle#:	5
Lims Batch ID:	58856	Lims Sample ID:	5
Detector:	MS SCAN		
Method:	\\Bufchrom\ChromData\HP5973F\20120410-10858.b\F-8260 SOIL.m		
Last Update:	10-Apr-2012 17:29:24	Calib Date:	09-Mar-2012 18:10:30
Quant Method:	Internal Standard	Quant By:	Initial Calibration
Last ICal File:	\\Bufchrom\ChromData\HP5973F\20120309-10095.b\F7259.D		
Limit Group:	MV - 8260B ICAL		
Integrator:	RTE	ID Type:	Deconvolution ID
Process Host:	CORP-CTX-19		
First Level Reviewer: cwiklinc		Date:	10-Apr-2012 17:29:32

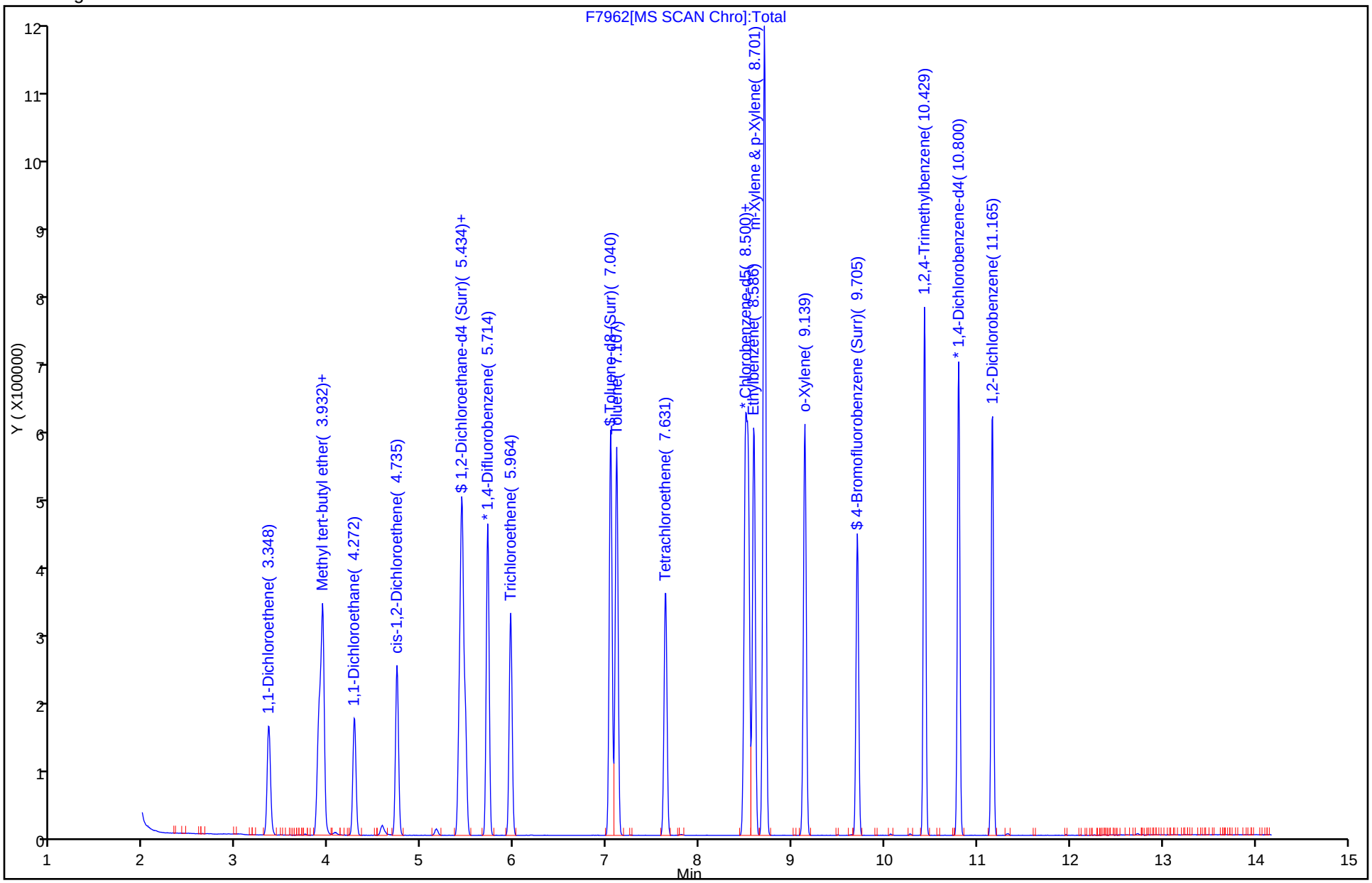
Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/kg	Flags
* 1 1,4-Difluorobenzene	114	5.714	5.714	0.0	93	465986	50.0	
* 2 Chlorobenzene-d5	82	8.494	8.500	-0.006	81	190990	50.0	
* 3 1,4-Dichlorobenzene-d4	152	10.800	10.800	0.0	92	230434	50.0	
$ 4 1,2-Dichloroethane-d4 (Surr)	67	5.410	5.410	0.0	95	67658	47.8	
$ 5 Toluene-d8 (Surr)	98	7.040	7.040	0.0	91	485715	53.8	
$ 6 4-Bromofluorobenzene (Surr)	174	9.705	9.705	0.0	91	163110	54.3	
22 1,1-Dichloroethene	96	3.354	3.347	0.007	88	91336	40.5	
32 Methyl tert-butyl ether	73	3.901	3.895	0.006	90	334307	42.8	
34 trans-1,2-Dichloroethene	96	3.938	3.932	0.006	95	124451	47.5	
39 1,1-Dichloroethane	63	4.272	4.272	0.0	83	199372	44.8	
45 cis-1,2-Dichloroethene	96	4.735	4.735	0.0	66	138893	47.0	
57 Benzene	78	5.434	5.434	0.0	97	461198	46.1	
58 1,2-Dichloroethane	62	5.471	5.471	0.0	74	151427	42.9	
62 Trichloroethene	95	5.964	5.963	0.001	89	121366	45.2	
74 Toluene	92	7.107	7.107	0.0	98	304319	47.9	
81 Tetrachloroethene	166	7.637	7.636	0.001	91	142840	50.6	
87 Chlorobenzene	112	8.531	8.525	0.006	95	380704	49.2	
88 Ethylbenzene	91	8.586	8.585	0.001	96	562522	48.0	
90 m-Xylene & p-Xylene	106	8.701	8.701	0.0	99	471822	96.3	
91 o-Xylene	106	9.139	9.139	0.0	95	231975	49.3	
107 1,2,4-Trimethylbenzene	105	10.429	10.429	0.0	95	482347	45.1	
116 1,2-Dichlorobenzene	146	11.165	11.165	0.0	98	310376	47.4	
S 125 1,2-Dichloroethene, Total	1				0		94.5	
S 124 Xylenes, Total	1				0		145.6	

Report Date: 10-Apr-2012 17:29:32 Chrom Revision: 2.0 20-Feb-2012 13:27:02

Data File: \\Bufchrom\ChromData\HP5973F\20120410-10858.b\F7962.D

Injection Date:	10-Apr-2012 10:50:30	Limit Group:	MV - 8260B ICAL
Client ID:		Instrument ID:	HP5973F
Lims Batch ID:	58856	Lims Sample ID:	5
Operator ID:	jmb		
Column Type:	ZB-624	Column Dia:	0.25 mm

Y Scaling:



FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Buffalo | Job No.: 480-18068-1

SDG No.:

Client Sample ID: SB-A3 (5'-6'1") MS | Lab Sample ID: 480-18068-15 MS

Matrix: Solid | Lab File ID: F7897.D

Analysis Method: 8260B | Date Collected: 04/03/2012 11:48

Sample wt/vol: 5.29(g) | Date Analyzed: 04/07/2012 05:54

Soil Aliquot Vol: | Dilution Factor: 1

Soil Extract Vol.: | GC Column: ZB-624 (60) ID: 0.25(mm)

% Moisture: 6.5 | Level: (low/med) Low

Analysis Batch No.: 58567 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
71-55-6	1,1,1-Trichloroethane	ND		5.1	0.37
79-34-5	1,1,2,2-Tetrachloroethane	ND		5.1	0.82
79-00-5	1,1,2-Trichloroethane	ND		5.1	0.66
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	ND		5.1	1.2
75-34-3	1,1-Dichloroethane	43.9		5.1	0.62
75-35-4	1,1-Dichloroethene	38.6		5.1	0.62
120-82-1	1,2,4-Trichlorobenzene	ND		5.1	0.31
96-12-8	1,2-Dibromo-3-Chloropropane	ND		5.1	2.5
106-93-4	1,2-Dibromoethane	ND		5.1	0.65
95-50-1	1,2-Dichlorobenzene	39.4		5.1	0.40
107-06-2	1,2-Dichloroethane	40.0		5.1	0.25
78-87-5	1,2-Dichloropropane	ND		5.1	2.5
541-73-1	1,3-Dichlorobenzene	ND		5.1	0.26
106-46-7	1,4-Dichlorobenzene	ND		5.1	0.71
591-78-6	2-Hexanone	ND		25	2.5
78-93-3	2-Butanone (MEK)	ND		25	1.8
108-10-1	4-Methyl-2-pentanone (MIBK)	ND		25	1.7
67-64-1	Acetone	ND		25	4.3
71-43-2	Benzene	44.5		5.1	0.25
75-27-4	Bromodichloromethane	ND		5.1	0.68
75-25-2	Bromoform	ND		5.1	2.5
74-83-9	Bromomethane	ND		5.1	0.45
75-15-0	Carbon disulfide	ND		5.1	2.5
56-23-5	Carbon tetrachloride	ND		5.1	0.49
108-90-7	Chlorobenzene	41.7		5.1	0.67
124-48-1	Dibromochloromethane	ND		5.1	0.65
75-00-3	Chloroethane	ND		5.1	1.1
67-66-3	Chloroform	ND		5.1	0.31
74-87-3	Chloromethane	ND		5.1	0.31
156-59-2	cis-1,2-Dichloroethene	44.0		5.1	0.65
10061-01-5	cis-1,3-Dichloropropene	ND		5.1	0.73
110-82-7	Cyclohexane	ND		5.1	0.71
75-71-8	Dichlorodifluoromethane	ND		5.1	0.42
100-41-4	Ethylbenzene	42.6		5.1	0.35
98-82-8	Isopropylbenzene	ND		5.1	0.76

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Buffalo | Job No.: 480-18068-1

SDG No.:

Client Sample ID: SB-A3 (5'-6'1") MS | Lab Sample ID: 480-18068-15 MS

Matrix: Solid | Lab File ID: F7897.D

Analysis Method: 8260B | Date Collected: 04/03/2012 11:48

Sample wt/vol: 5.29(g) | Date Analyzed: 04/07/2012 05:54

Soil Aliquot Vol: | Dilution Factor: 1

Soil Extract Vol.: | GC Column: ZB-624 (60) ID: 0.25(mm)

% Moisture: 6.5 | Level: (low/med) Low

Analysis Batch No.: 58567 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
79-20-9	Methyl acetate	ND		5.1	0.94
1634-04-4	Methyl tert-butyl ether	37.8		5.1	0.50
108-87-2	Methylcyclohexane	ND		5.1	0.77
75-09-2	Methylene Chloride	ND		5.1	2.3
100-42-5	Styrene	ND		5.1	0.25
127-18-4	Tetrachloroethene	40.8		5.1	0.68
108-88-3	Toluene	43.3		5.1	0.38
156-60-5	trans-1,2-Dichloroethene	45.5		5.1	0.52
10061-02-6	trans-1,3-Dichloropropene	ND		5.1	2.2
79-01-6	Trichloroethene	42.0		5.1	1.1
75-69-4	Trichlorofluoromethane	ND		5.1	0.48
75-01-4	Vinyl chloride	ND		5.1	0.62
1330-20-7	Xylenes, Total	128		10	0.85

CAS NO.	SURROGATE	%REC	Q	LIMITS
17060-07-0	1,2-Dichloroethane-d4 (Surr)	92		64-126
2037-26-5	Toluene-d8 (Surr)	104		71-125
460-00-4	4-Bromofluorobenzene (Surr)	97		72-126

TestAmerica Laboratories
Target Compound Quantitation Report

Data File: \\Bufchrom\ChromData\HP5973F\20120406-10799.b\F7897.D
Lims ID: 480-18068-B-15-B MS Client ID: SB-A3 (5'-6'1")
Inject. Date: 07-Apr-2012 05:54:30 Dil. Factor: 1.0000
Sample Type: MS
Sample ID: 480-18068-B-15-B MS
Misc. Info.: 480-0010799-021 =480-0010799-021
Operator: CDC Instrument ID: HP5973F
Vol. Injected: 1.0000 ALS Bottle#: 16
Lims Batch ID: 58567 Lims Sample ID: 21
Detector: MS SCAN

Method: \\Bufchrom\ChromData\HP5973F\20120406-10799.b\F-8260 SOIL.m
Last Update: 09-Apr-2012 11:48:11 Calib Date: 09-Mar-2012 18:10:30
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\Bufchrom\ChromData\HP5973F\20120309-10095.b\F7259.D
Limit Group: MV - 8260B ICAL
Integrator: RTE ID Type: Deconvolution ID
Process Host: CORP-CTX-16

First Level Reviewer: ByrnesJ Date: 09-Apr-2012 11:26:09

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/kg	Flags
* 1 1,4-Difluorobenzene	114	5.714	5.714	0.0	93	482681	50.0	
* 2 Chlorobenzene-d5	82	8.494	8.494	0.0	83	206555	50.0	
* 3 1,4-Dichlorobenzene-d4	152	10.800	10.800	0.0	94	228863	50.0	
$ 4 1,2-Dichloroethane-d4 (Surr)	67	5.404	5.410	-0.006	95	67812	46.2	
$ 5 Toluene-d8 (Surr)	98	7.040	7.040	0.0	92	506083	51.9	
$ 6 4-Bromofluorobenzene (Surr)	174	9.705	9.705	0.0	88	157829	48.6	
10 Dichlorodifluoromethane	85		2.064					
12 Chloromethane	50		2.216					
13 Vinyl chloride	62		2.332					
14 Bromomethane	94		2.636					
15 Chloroethane	64		2.709					
17 Trichlorofluoromethane	101		2.934					
21 1,1,2-Trichloro-1,2,2-trifluoroe	101		3.311					
22 1,1-Dichloroethene	96	3.348	3.341	0.007	89	89217	38.2	
23 Acetone	43		3.390					
26 Carbon disulfide	76		3.567					
27 Methyl acetate	43		3.615					
30 Methylene Chloride	84		3.737					
32 Methyl tert-butyl ether	73	3.895	3.895	0.0	91	302725	37.4	
34 trans-1,2-Dichloroethene	96	3.932	3.932	0.0	96	122131	45.0	
39 1,1-Dichloroethane	63	4.272	4.272	0.0	85	199751	43.4	
43 2-Butanone (MEK)	43		4.716					
45 cis-1,2-Dichloroethene	96	4.735	4.729	0.007	67	133208	43.5	
50 Chloroform	83		4.972					
51 1,1,1-Trichloroethane	97		5.124					
52 Cyclohexane	56		5.154					
55 Carbon tetrachloride	117		5.252					
57 Benzene	78	5.434	5.434	0.0	98	456220	44.0	
58 1,2-Dichloroethane	62	5.471	5.471	0.0	74	144653	39.6	
62 Trichloroethene	95	5.957	5.957	0.0	92	115586	41.6	
64 Methylcyclohexane	83		6.097					

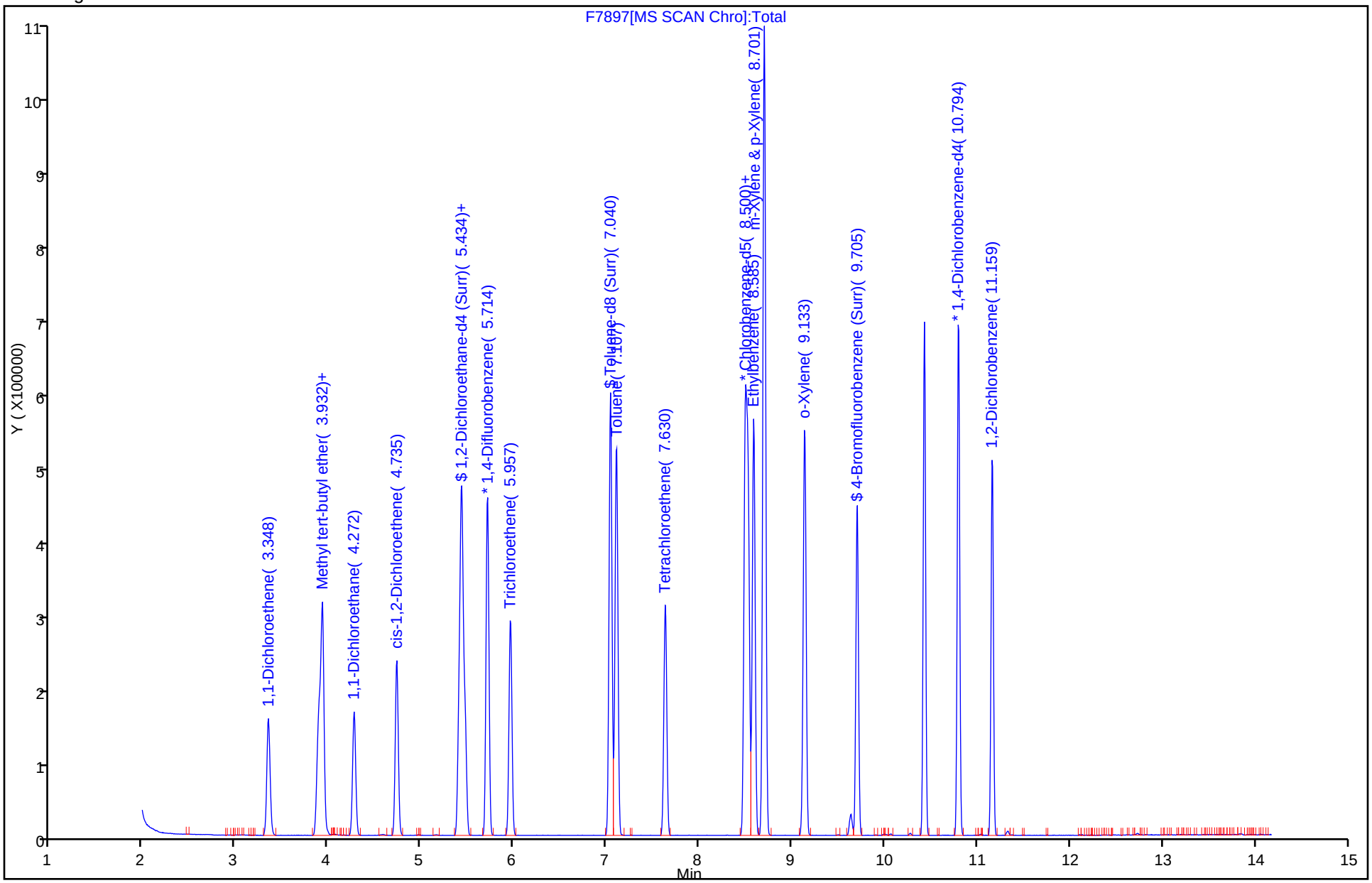
Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/kg	Flags
65 1,2-Dichloropropane	63		6.182					
68 Dichlorobromomethane	83		6.426					
72 cis-1,3-Dichloropropene	75		6.809					
73 4-Methyl-2-pentanone (MIBK)	43		6.906					
74 Toluene	92	7.107	7.107	0.0	98	294440	42.8	
77 trans-1,3-Dichloropropene	75		7.326					
79 1,1,2-Trichloroethane	83		7.527					
81 Tetrachloroethene	166	7.630	7.630	0.0	91	123194	40.4	
80 2-Hexanone	43		7.697					
83 Chlorodibromomethane	129		7.941					
84 Ethylene Dibromide	107		8.074					
87 Chlorobenzene	112	8.525	8.525	0.0	95	345861	41.3	
88 Ethylbenzene	91	8.585	8.585	0.0	97	534804	42.2	
90 m-Xylene & p-Xylene	106	8.701	8.701	0.0	99	443953	83.8	
91 o-Xylene	106	9.133	9.133	0.0	96	219224	43.0	
92 Styrene	104		9.157					
95 Bromoform	173		9.431					
94 Isopropylbenzene	105		9.492					
97 1,1,2,2-Tetrachloroethane	83		9.857					
111 1,3-Dichlorobenzene	146		10.739					
113 1,4-Dichlorobenzene	146		10.818					
116 1,2-Dichlorobenzene	146	11.165	11.159	0.006	97	253641	39.0	
117 1,2-Dibromo-3-Chloropropane	75		11.834					
119 1,2,4-Trichlorobenzene	180		12.491					
S 124 Xylenes, Total	1				0		126.8	

Report Date: 09-Apr-2012 11:48:18 Chrom Revision: 2.0 20-Feb-2012 13:27:02

Data File: \\Bufchrom\ChromData\HP5973F\20120406-10799.b\F7897.D

Injection Date:	07-Apr-2012 05:54:30	Limit Group:	MV - 8260B ICAL
Client ID:	SB-A3 (5'-6'1")	Instrument ID:	HP5973F
Lims Batch ID:	58567	Lims Sample ID:	21
Operator ID:	CDC		
Column Type:	ZB-624	Column Dia:	0.25 mm

Y Scaling:



FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Buffalo | Job No.: 480-18068-1

SDG No.:

Client Sample ID: SB-A3 (5'-6'1") MSD | Lab Sample ID: 480-18068-15 MSD

Matrix: Solid | Lab File ID: F7898.D

Analysis Method: 8260B | Date Collected: 04/03/2012 11:48

Sample wt/vol: 4.93(g) | Date Analyzed: 04/07/2012 06:19

Soil Aliquot Vol: | Dilution Factor: 1

Soil Extract Vol.: | GC Column: ZB-624 (60) ID: 0.25(mm)

% Moisture: 6.5 | Level: (low/med) Low

Analysis Batch No.: 58567 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
71-55-6	1,1,1-Trichloroethane	ND		5.4	0.39
79-34-5	1,1,2,2-Tetrachloroethane	ND		5.4	0.88
79-00-5	1,1,2-Trichloroethane	ND		5.4	0.70
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	ND		5.4	1.2
75-34-3	1,1-Dichloroethane	48.6		5.4	0.66
75-35-4	1,1-Dichloroethene	42.7		5.4	0.66
120-82-1	1,2,4-Trichlorobenzene	ND		5.4	0.33
96-12-8	1,2-Dibromo-3-Chloropropane	ND		5.4	2.7
106-93-4	1,2-Dibromoethane	ND		5.4	0.70
95-50-1	1,2-Dichlorobenzene	43.5		5.4	0.42
107-06-2	1,2-Dichloroethane	42.9		5.4	0.27
78-87-5	1,2-Dichloropropane	ND		5.4	2.7
541-73-1	1,3-Dichlorobenzene	ND		5.4	0.28
106-46-7	1,4-Dichlorobenzene	ND		5.4	0.76
591-78-6	2-Hexanone	ND		27	2.7
78-93-3	2-Butanone (MEK)	ND		27	2.0
108-10-1	4-Methyl-2-pentanone (MIBK)	ND		27	1.8
67-64-1	Acetone	ND		27	4.6
71-43-2	Benzene	48.9		5.4	0.27
75-27-4	Bromodichloromethane	ND		5.4	0.73
75-25-2	Bromoform	ND		5.4	2.7
74-83-9	Bromomethane	ND		5.4	0.49
75-15-0	Carbon disulfide	ND		5.4	2.7
56-23-5	Carbon tetrachloride	ND		5.4	0.52
108-90-7	Chlorobenzene	45.8		5.4	0.72
124-48-1	Dibromochloromethane	ND		5.4	0.69
75-00-3	Chloroethane	ND		5.4	1.2
67-66-3	Chloroform	ND		5.4	0.34
74-87-3	Chloromethane	ND		5.4	0.33
156-59-2	cis-1,2-Dichloroethene	48.8		5.4	0.69
10061-01-5	cis-1,3-Dichloropropene	ND		5.4	0.78
110-82-7	Cyclohexane	ND		5.4	0.76
75-71-8	Dichlorodifluoromethane	ND		5.4	0.45
100-41-4	Ethylbenzene	47.4		5.4	0.37
98-82-8	Isopropylbenzene	ND		5.4	0.82

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Buffalo | Job No.: 480-18068-1

SDG No.:

Client Sample ID: SB-A3 (5'-6'1") MSD | Lab Sample ID: 480-18068-15 MSD

Matrix: Solid | Lab File ID: F7898.D

Analysis Method: 8260B | Date Collected: 04/03/2012 11:48

Sample wt/vol: 4.93(g) | Date Analyzed: 04/07/2012 06:19

Soil Aliquot Vol: | Dilution Factor: 1

Soil Extract Vol.: | GC Column: ZB-624 (60) ID: 0.25(mm)

% Moisture: 6.5 | Level: (low/med) Low

Analysis Batch No.: 58567 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
79-20-9	Methyl acetate	ND		5.4	1.0
1634-04-4	Methyl tert-butyl ether	40.6		5.4	0.53
108-87-2	Methylcyclohexane	ND		5.4	0.82
75-09-2	Methylene Chloride	ND		5.4	2.5
100-42-5	Styrene	ND		5.4	0.27
127-18-4	Tetrachloroethene	45.2		5.4	0.73
108-88-3	Toluene	48.3		5.4	0.41
156-60-5	trans-1,2-Dichloroethene	50.6		5.4	0.56
10061-02-6	trans-1,3-Dichloropropene	ND		5.4	2.4
79-01-6	Trichloroethene	47.3		5.4	1.2
75-69-4	Trichlorofluoromethane	ND		5.4	0.51
75-01-4	Vinyl chloride	ND		5.4	0.66
1330-20-7	Xylenes, Total	141		11	0.91

CAS NO.	SURROGATE	%REC	Q	LIMITS
17060-07-0	1,2-Dichloroethane-d4 (Surr)	92		64-126
2037-26-5	Toluene-d8 (Surr)	104		71-125
460-00-4	4-Bromofluorobenzene (Surr)	97		72-126

TestAmerica Laboratories
Target Compound Quantitation Report

Data File:	\\Bufchrom\ChromData\HP5973F\20120406-10799.b\F7898.D		
Lims ID:	480-18068-B-15-C MSD	Client ID:	SB-A3 (5'-6'1")
Inject. Date:	07-Apr-2012 06:19:30	Dil. Factor:	1.0000
Sample Type:	MSD		
Sample ID:	480-18068-B-15-C MSD		
Misc. Info.:	480-0010799-022 =480-0010799-022		
Operator:	CDC	Instrument ID:	HP5973F
Vol. Injected:	1.0000	ALS Bottle#:	17
Lims Batch ID:	58567	Lims Sample ID:	22
Detector:	MS SCAN		
Method:	\\Bufchrom\ChromData\HP5973F\20120406-10799.b\F-8260 SOIL.m		
Last Update:	09-Apr-2012 11:48:11	Calib Date:	09-Mar-2012 18:10:30
Quant Method:	Internal Standard	Quant By:	Initial Calibration
Last ICal File:	\\Bufchrom\ChromData\HP5973F\20120309-10095.b\F7259.D		
Limit Group:	MV - 8260B ICAL		
Integrator:	RTE	ID Type:	Deconvolution ID
Process Host:	CORP-CTX-16		
First Level Reviewer: ByrnesJ		Date:	09-Apr-2012 11:26:49

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/kg	Flags
* 1 1,4-Difluorobenzene	114	5.714	5.714	0.0	93	486710	50.0	
* 2 Chlorobenzene-d5	82	8.494	8.494	0.0	82	207811	50.0	
* 3 1,4-Dichlorobenzene-d4	152	10.800	10.800	0.0	94	227676	50.0	
$ 4 1,2-Dichloroethane-d4 (Surr)	67	5.404	5.410	-0.006	95	68228	46.1	
$ 5 Toluene-d8 (Surr)	98	7.040	7.040	0.0	92	509857	51.9	
$ 6 4-Bromofluorobenzene (Surr)	174	9.705	9.705	0.0	88	158834	48.6	
10 Dichlorodifluoromethane	85		2.064					
12 Chloromethane	50		2.216					
13 Vinyl chloride	62		2.332					
14 Bromomethane	94		2.636					
15 Chloroethane	64		2.709					
17 Trichlorofluoromethane	101		2.934					
21 1,1,2-Trichloro-1,2,2-trifluoroe	101		3.311					
22 1,1-Dichloroethene	96	3.341	3.341	0.0	89	92838	39.4	
23 Acetone	43		3.390					
26 Carbon disulfide	76		3.567					
27 Methyl acetate	43		3.615					
30 Methylene Chloride	84		3.737					
32 Methyl tert-butyl ether	73	3.895	3.895	0.0	91	304833	37.4	
34 trans-1,2-Dichloroethene	96	3.931	3.932	-0.001	96	127710	46.7	
39 1,1-Dichloroethane	63	4.272	4.272	0.0	85	207988	44.8	
43 2-Butanone (MEK)	43		4.716					
45 cis-1,2-Dichloroethene	96	4.728	4.729	0.0	67	139116	45.0	
50 Chloroform	83		4.972					
51 1,1,1-Trichloroethane	97		5.124					
52 Cyclohexane	56		5.154					
55 Carbon tetrachloride	117		5.252					
57 Benzene	78	5.434	5.434	0.0	98	471247	45.1	
58 1,2-Dichloroethane	62	5.471	5.471	0.0	72	145973	39.6	
62 Trichloroethene	95	5.957	5.957	0.0	92	122197	43.6	
64 Methylcyclohexane	83		6.097					

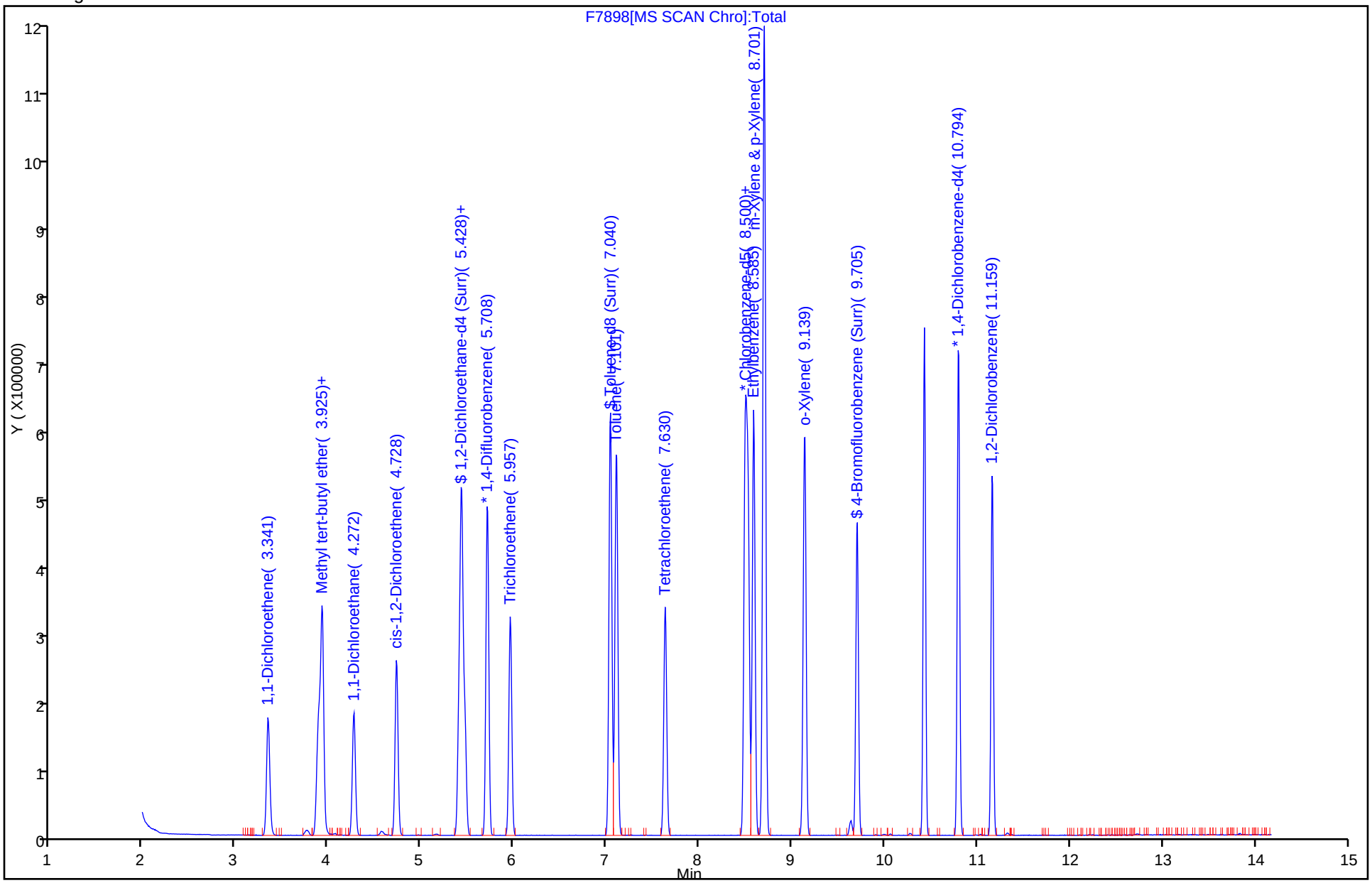
Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/kg	Flags
65 1,2-Dichloropropane	63		6.182					
68 Dichlorobromomethane	83		6.426					
72 cis-1,3-Dichloropropene	75		6.809					
73 4-Methyl-2-pentanone (MIBK)	43		6.906					
74 Toluene	92	7.107	7.107	0.0	98	307492	44.5	
77 trans-1,3-Dichloropropene	75		7.326					
79 1,1,2-Trichloroethane	83		7.527					
81 Tetrachloroethene	166	7.630	7.630	0.0	91	128181	41.7	
80 2-Hexanone	43		7.697					
83 Chlorodibromomethane	129		7.941					
84 Ethylene Dibromide	107		8.074					
87 Chlorobenzene	112	8.525	8.525	0.0	96	355946	42.2	
88 Ethylbenzene	91	8.585	8.585	0.0	97	558030	43.7	
90 m-Xylene & p-Xylene	106	8.701	8.701	0.0	99	460807	86.4	
91 o-Xylene	106	9.139	9.133	0.006	96	225468	44.0	
92 Styrene	104		9.157					
95 Bromoform	173		9.431					
94 Isopropylbenzene	105		9.492					
97 1,1,2,2-Tetrachloroethane	83		9.857					
111 1,3-Dichlorobenzene	146		10.739					
113 1,4-Dichlorobenzene	146		10.818					
116 1,2-Dichlorobenzene	146	11.159	11.159	0.0	97	258939	40.1	
117 1,2-Dibromo-3-Chloropropane	75		11.834					
119 1,2,4-Trichlorobenzene	180		12.491					
S 124 Xylenes, Total	1				0		130.4	

Report Date: 09-Apr-2012 11:48:17 Chrom Revision: 2.0 20-Feb-2012 13:27:02

Data File: \\Bufchrom\ChromData\HP5973F\20120406-10799.b\F7898.D

Injection Date:	07-Apr-2012 06:19:30	Limit Group:	MV - 8260B ICAL
Client ID:	SB-A3 (5'-6'1")	Instrument ID:	HP5973F
Lims Batch ID:	58567	Lims Sample ID:	22
Operator ID:	CDC		
Column Type:	ZB-624	Column Dia:	0.25 mm

Y Scaling:



GC/MS VOA ANALYSIS RUN LOG

Lab Name: TestAmerica Buffalo Job No.: 480-18068-1

SDG No.:

Instrument ID: HP5973F Start Date: 03/07/2012 22:14

Analysis Batch Number: 54289 End Date: 03/08/2012 08:57

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
BFB 480-54289/1		03/07/2012 22:14	1	F7223.D	ZB-624 (60) 0.25(mm)
ZZZZZ		03/07/2012 22:53	1		ZB-624 (60) 0.25(mm)
STD1 480-54289/3 IC		03/07/2012 23:18	1	F7225.D	ZB-624 (60) 0.25(mm)
STD2 480-54289/4 IC		03/07/2012 23:43	1	F7226.D	ZB-624 (60) 0.25(mm)
STD3 480-54289/5 IC		03/08/2012 00:09	1	F7227.D	ZB-624 (60) 0.25(mm)
STD4 480-54289/6 ICIS		03/08/2012 00:34	1	F7228.D	ZB-624 (60) 0.25(mm)
STD5 480-54289/7 IC		03/08/2012 01:00	1	F7229.D	ZB-624 (60) 0.25(mm)
STD6 480-54289/8 IC		03/08/2012 01:25	1	F7230.D	ZB-624 (60) 0.25(mm)
ZZZZZ		03/08/2012 01:50	1		ZB-624 (60) 0.25(mm)
ICV 480-54289/10		03/08/2012 02:16	1		ZB-624 (60) 0.25(mm)
MDLV 480-54289/11		03/08/2012 08:57	1		ZB-624 (60) 0.25(mm)

GC/MS VOA ANALYSIS RUN LOG

Lab Name: TestAmerica Buffalo Job No.: 480-18068-1

SDG No.:

Instrument ID: HP5973F Start Date: 03/09/2012 15:09

Analysis Batch Number: 54585 End Date: 03/09/2012 18:10

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
BFB 480-54585/1		03/09/2012 15:09	1	F7252.D	ZB-624 (60) 0.25(mm)
IC 480-54585/3		03/09/2012 16:03	1	F7254.D	ZB-624 (60) 0.25(mm)
IC 480-54585/4		03/09/2012 16:28	1	F7255.D	ZB-624 (60) 0.25(mm)
IC 480-54585/5		03/09/2012 16:54	1	F7256.D	ZB-624 (60) 0.25(mm)
IC 480-54585/6		03/09/2012 17:19	1	F7257.D	ZB-624 (60) 0.25(mm)
IC 480-54585/7		03/09/2012 17:45	1	F7258.D	ZB-624 (60) 0.25(mm)
IC 480-54585/8		03/09/2012 18:10	1	F7259.D	ZB-624 (60) 0.25(mm)

GC/MS VOA ANALYSIS RUN LOG

Lab Name: TestAmerica Buffalo Job No.: 480-18068-1

SDG No.:

Instrument ID: HP5973F Start Date: 04/06/2012 20:36

Analysis Batch Number: 58567 End Date: 04/07/2012 08:27

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
BFB 480-58567/1		04/06/2012 20:36	1	F7877.D	ZB-624 (60) 0.25(mm)
CCVIS 480-58567/2		04/06/2012 21:06	1	F7878.D	ZB-624 (60) 0.25(mm)
CCV 480-58567/3		04/06/2012 22:01	1	F7879.D	ZB-624 (60) 0.25(mm)
LCS 480-58567/4		04/06/2012 22:26	1	F7880.D	ZB-624 (60) 0.25(mm)
MB 480-58567/5		04/06/2012 22:52	1	F7881.D	ZB-624 (60) 0.25(mm)
480-18068-1	RB-03 (0-6")	04/06/2012 23:33	1	F7882.D	ZB-624 (60) 0.25(mm)
480-18068-2	RB-03 (6"-12")	04/06/2012 23:58	1	F7883.D	ZB-624 (60) 0.25(mm)
480-18068-3	RB-03 (12"-24")	04/07/2012 00:24	1	F7884.D	ZB-624 (60) 0.25(mm)
480-18068-4	RB-04 (0-6")	04/07/2012 00:49	1	F7885.D	ZB-624 (60) 0.25(mm)
480-18068-5	RB-04 (6"-12"	04/07/2012 01:15	1	F7886.D	ZB-624 (60) 0.25(mm)
480-18068-6	RB-04 (12"-24")	04/07/2012 01:40	1	F7887.D	ZB-624 (60) 0.25(mm)
480-18068-7	RB-05 (0-6")	04/07/2012 02:05	1	F7888.D	ZB-624 (60) 0.25(mm)
480-18068-8	RB-05 (6"-12"	04/07/2012 02:31	1	F7889.D	ZB-624 (60) 0.25(mm)
480-18068-9	RB-05 (12"-24")	04/07/2012 02:56	1	F7890.D	ZB-624 (60) 0.25(mm)
480-18068-10	RB-06 (0-6")	04/07/2012 03:22	1	F7891.D	ZB-624 (60) 0.25(mm)
480-18068-11	RB-06 (6"-12"	04/07/2012 03:47	1	F7892.D	ZB-624 (60) 0.25(mm)
480-18068-12	RB-06 (12"-24")	04/07/2012 04:13	1	F7893.D	ZB-624 (60) 0.25(mm)
480-18068-13	SB-A1 (15'-15'8")	04/07/2012 04:38	1	F7894.D	ZB-624 (60) 0.25(mm)
480-18068-14	SB-A2 (10'-11')	04/07/2012 05:03	1	F7895.D	ZB-624 (60) 0.25(mm)
480-18068-15	SB-A3 (5'-6'1")	04/07/2012 05:29	1	F7896.D	ZB-624 (60) 0.25(mm)
480-18068-15 MS	SB-A3 (5'-6'1") MS	04/07/2012 05:54	1	F7897.D	ZB-624 (60) 0.25(mm)
480-18068-15 MSD	SB-A3 (5'-6'1") MSD	04/07/2012 06:19	1	F7898.D	ZB-624 (60) 0.25(mm)
ZZZZZ		04/07/2012 06:45	1		ZB-624 (60) 0.25(mm)
ZZZZZ		04/07/2012 07:10	1		ZB-624 (60) 0.25(mm)
ZZZZZ		04/07/2012 07:36	1		ZB-624 (60) 0.25(mm)
ZZZZZ		04/07/2012 08:01	1		ZB-624 (60) 0.25(mm)
ZZZZZ		04/07/2012 08:27	1		ZB-624 (60) 0.25(mm)

GC/MS VOA ANALYSIS RUN LOG

Lab Name: TestAmerica Buffalo Job No.: 480-18068-1

SDG No.:

Instrument ID: HP5973F Start Date: 04/10/2012 08:53

Analysis Batch Number: 58856 End Date: 04/10/2012 20:59

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
BFB 480-58856/1		04/10/2012 08:53	1	F7958.D	ZB-624 (60) 0.25(mm)
CCVIS 480-58856/3		04/10/2012 09:47	1	F7960.D	ZB-624 (60) 0.25(mm)
CCV 480-58856/4		04/10/2012 10:13	1		ZB-624 (60) 0.25(mm)
LCS 480-58856/5		04/10/2012 10:50	1	F7962.D	ZB-624 (60) 0.25(mm)
MB 480-58856/6		04/10/2012 11:15	1	F7963.D	ZB-624 (60) 0.25(mm)
ZZZZZ		04/10/2012 12:05	1		ZB-624 (60) 0.25(mm)
ZZZZZ		04/10/2012 12:31	1		ZB-624 (60) 0.25(mm)
ZZZZZ		04/10/2012 12:56	1		ZB-624 (60) 0.25(mm)
ZZZZZ		04/10/2012 13:22	1		ZB-624 (60) 0.25(mm)
ZZZZZ		04/10/2012 13:47	1		ZB-624 (60) 0.25(mm)
ZZZZZ		04/10/2012 14:12	1		ZB-624 (60) 0.25(mm)
ZZZZZ		04/10/2012 14:38	1		ZB-624 (60) 0.25(mm)
ZZZZZ		04/10/2012 15:03	1		ZB-624 (60) 0.25(mm)
ZZZZZ		04/10/2012 15:29	1		ZB-624 (60) 0.25(mm)
ZZZZZ		04/10/2012 15:54	1		ZB-624 (60) 0.25(mm)
ZZZZZ		04/10/2012 16:19	1		ZB-624 (60) 0.25(mm)
ZZZZZ		04/10/2012 16:45	1		ZB-624 (60) 0.25(mm)
ZZZZZ		04/10/2012 17:10	1		ZB-624 (60) 0.25(mm)
480-18068-16	DUP-03	04/10/2012 17:36	1	F7977.D	ZB-624 (60) 0.25(mm)
ZZZZZ		04/10/2012 18:01	1		ZB-624 (60) 0.25(mm)
ZZZZZ		04/10/2012 18:26	1		ZB-624 (60) 0.25(mm)
ZZZZZ		04/10/2012 18:52	1		ZB-624 (60) 0.25(mm)
ZZZZZ		04/10/2012 19:17	1		ZB-624 (60) 0.25(mm)
ZZZZZ		04/10/2012 19:43	1		ZB-624 (60) 0.25(mm)
ZZZZZ		04/10/2012 20:08	1		ZB-624 (60) 0.25(mm)
ZZZZZ		04/10/2012 20:34	1		ZB-624 (60) 0.25(mm)
ZZZZZ		04/10/2012 20:59	1		ZB-624 (60) 0.25(mm)

GC/MS VOA ANALYSIS RUN LOG

Lab Name: TestAmerica Buffalo Job No.: 480-18068-1

SDG No.:

Instrument ID: HP5973G Start Date: 03/15/2012 13:38

Analysis Batch Number: 55366 End Date: 03/15/2012 19:57

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
BFB 480-55366/1		03/15/2012 13:38	1	G9982.D	ZB-624 (60) 0.25(mm)
STD 480-55366/3 IC		03/15/2012 14:28	1		ZB-624 (60) 0.25(mm)
STD 480-55366/4 IC		03/15/2012 14:50	1		ZB-624 (60) 0.25(mm)
STD 480-55366/5 IC		03/15/2012 15:12	1		ZB-624 (60) 0.25(mm)
STD 480-55366/6 ICIS		03/15/2012 15:34	1		ZB-624 (60) 0.25(mm)
STD 480-55366/7 IC		03/15/2012 15:56	1		ZB-624 (60) 0.25(mm)
STD 480-55366/8 IC		03/15/2012 16:18	1		ZB-624 (60) 0.25(mm)
STD 480-55366/10 IC		03/15/2012 17:01	1	G9991.D	ZB-624 (60) 0.25(mm)
STD 480-55366/11 IC		03/15/2012 17:23	1	G9992.D	ZB-624 (60) 0.25(mm)
STD 480-55366/12 IC		03/15/2012 17:45	1	G9993.D	ZB-624 (60) 0.25(mm)
STD 480-55366/13 IC		03/15/2012 18:07	1	G9994.D	ZB-624 (60) 0.25(mm)
STD 480-55366/14 IC		03/15/2012 18:29	1	G9995.D	ZB-624 (60) 0.25(mm)
STD 480-55366/15 IC		03/15/2012 18:51	1	G9996.D	ZB-624 (60) 0.25(mm)
ICV 480-55366/17		03/15/2012 19:35	1		ZB-624 (60) 0.25(mm)
MDLV 480-55366/18		03/15/2012 19:57	1		ZB-624 (60) 0.25(mm)

GC/MS VOA ANALYSIS RUN LOG

Lab Name: TestAmerica Buffalo Job No.: 480-18068-1

SDG No.:

Instrument ID: HP5973G Start Date: 03/24/2012 00:47

Analysis Batch Number: 56586 End Date: 03/24/2012 04:35

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
BFB 480-56586/1		03/24/2012 00:47	1	G10248.D	ZB-624 (60) 0.25(mm)
STD 480-56586/3 IC		03/24/2012 01:37	1	G10250.D	ZB-624 (60) 0.25(mm)
STD 480-56586/4 IC		03/24/2012 01:59	1	G10251.D	ZB-624 (60) 0.25(mm)
STD 480-56586/5 IC		03/24/2012 02:21	1	G10252.D	ZB-624 (60) 0.25(mm)
STD 480-56586/6 ICIS		03/24/2012 02:43	1	G10253.D	ZB-624 (60) 0.25(mm)
STD 480-56586/7 IC		03/24/2012 03:05	1	G10254.D	ZB-624 (60) 0.25(mm)
STD 480-56586/8 IC		03/24/2012 03:26	1	G10255.D	ZB-624 (60) 0.25(mm)
ICV 480-56586/17		03/24/2012 04:11	1		ZB-624 (60) 0.25(mm)
MDLV 480-56586/18		03/24/2012 04:35	1		ZB-624 (60) 0.25(mm)

GC/MS VOA ANALYSIS RUN LOG

Lab Name: TestAmerica Buffalo Job No.: 480-18068-1

SDG No.:

Instrument ID: HP5973G Start Date: 04/07/2012 21:22

Analysis Batch Number: 58634 End Date: 04/08/2012 08:15

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
BFB 480-58634/1		04/07/2012 21:22	1	G10800.D	ZB-624 (60) 0.25(mm)
CCVIS 480-58634/2		04/07/2012 21:47	1	G10801.D	ZB-624 (60) 0.25(mm)
CCV 480-58634/3		04/07/2012 22:20	1	G10802.D	ZB-624 (60) 0.25(mm)
LCS 480-58634/4		04/07/2012 22:42	1	G10803.D	ZB-624 (60) 0.25(mm)
MB 480-58634/5		04/07/2012 23:06	1	G10804.D	ZB-624 (60) 0.25(mm)
ZZZZZ		04/07/2012 23:29	10		ZB-624 (60) 0.25(mm)
480-18068-17	EQUIPMENT BLANK	04/07/2012 23:51	1	G10806.D	ZB-624 (60) 0.25(mm)
480-18068-18	TRIP BLANK	04/08/2012 00:14	1	G10807.D	ZB-624 (60) 0.25(mm)
ZZZZZ		04/08/2012 00:37	1		ZB-624 (60) 0.25(mm)
ZZZZZ		04/08/2012 01:00	5		ZB-624 (60) 0.25(mm)
ZZZZZ		04/08/2012 01:23	1		ZB-624 (60) 0.25(mm)
ZZZZZ		04/08/2012 01:46	1		ZB-624 (60) 0.25(mm)
ZZZZZ		04/08/2012 02:09	1		ZB-624 (60) 0.25(mm)
ZZZZZ		04/08/2012 02:32	1		ZB-624 (60) 0.25(mm)
ZZZZZ		04/08/2012 02:55	1		ZB-624 (60) 0.25(mm)
ZZZZZ		04/08/2012 03:18	1		ZB-624 (60) 0.25(mm)
ZZZZZ		04/08/2012 03:41	1		ZB-624 (60) 0.25(mm)
ZZZZZ		04/08/2012 04:04	1		ZB-624 (60) 0.25(mm)
ZZZZZ		04/08/2012 04:27	1		ZB-624 (60) 0.25(mm)
ZZZZZ		04/08/2012 04:50	1		ZB-624 (60) 0.25(mm)
ZZZZZ		04/08/2012 05:13	1		ZB-624 (60) 0.25(mm)
ZZZZZ		04/08/2012 05:36	1		ZB-624 (60) 0.25(mm)
ZZZZZ		04/08/2012 05:59	1		ZB-624 (60) 0.25(mm)
ZZZZZ		04/08/2012 06:21	1		ZB-624 (60) 0.25(mm)
ZZZZZ		04/08/2012 06:44	1		ZB-624 (60) 0.25(mm)
ZZZZZ		04/08/2012 07:06	1		ZB-624 (60) 0.25(mm)
ZZZZZ		04/08/2012 07:29	1		ZB-624 (60) 0.25(mm)
ZZZZZ		04/08/2012 07:52	10		ZB-624 (60) 0.25(mm)
ZZZZZ		04/08/2012 08:15	10		ZB-624 (60) 0.25(mm)

GC/MS VOA BATCH WORKSHEET

Lab Name: TestAmerica Buffalo Job No.: 480-18068-1

SDG No.:

Batch Number: 58373 Batch Start Date: 04/05/12 15:51 Batch Analyst: Byrnes, Jennifer M

Batch Method: 5035 Batch End Date:

Lab Sample ID	Client Sample ID	Method Chain	Basis	TareWeight	Vial&SampleWt	InitialAmount	FinalAmount		
480-18068-D-1	RB-03 (0-6")	5035, 8260B	T	31.29 g	37.38 g	6.09 g	5 mL		
480-18068-D-2	RB-03 (6"-12")	5035, 8260B	T	31.41 g	36.63 g	5.22 g	5 mL		
480-18068-D-3	RB-03 (12"-24")	5035, 8260B	T	30.76 g	36.54 g	5.78 g	5 mL		
480-18068-D-4	RB-04 (0-6")	5035, 8260B	T	31.32 g	36.59 g	5.27 g	5 mL		
480-18068-D-5	RB-04 (6"-12"	5035, 8260B	T	30.98 g	37.13 g	6.15 g	5 mL		
480-18068-D-6	RB-04 (12"-24")	5035, 8260B	T	31.12 g	37.14 g	6.02 g	5 mL		
480-18068-D-7	RB-05 (0-6")	5035, 8260B	T	31.10 g	35.99 g	4.89 g	5 mL		
480-18068-D-8	RB-05 (6"-12"	5035, 8260B	T	31.12 g	36.02 g	4.9 g	5 mL		
480-18068-D-9	RB-05 (12"-24")	5035, 8260B	T	31.34 g	36.90 g	5.56 g	5 mL		
480-18068-E-10	RB-06 (0-6")	5035, 8260B	T	30.92 g	34.85 g	3.93 g	5 mL		
480-18068-D-11	RB-06 (6"-12"	5035, 8260B	T	31.13 g	35.47 g	4.34 g	5 mL		
480-18068-D-12	RB-06 (12"-24")	5035, 8260B	T	31.39 g	35.75 g	4.36 g	5 mL		
480-18068-B-13	SB-A1 (15'-15'8")	5035, 8260B	T	30.98 g	35.26 g	4.28 g	5 mL		
480-18068-B-14	SB-A2 (10'-11')	5035, 8260B	T	31.25 g	36.11 g	4.86 g	5 mL		
480-18068-B-15	SB-A3 (5'-6'1")	5035, 8260B	T	31.35 g	36.86 g	5.51 g	5 mL		
480-18068-B-15 MS	SB-A3 (5'-6'1")	5035, 8260B	T	31.05 g	36.34 g	5.29 g	5 mL		
480-18068-B-15 MSD	SB-A3 (5'-6'1")	5035, 8260B	T	30.92 g	35.85 g	4.93 g	5 mL		

Batch Notes	

Basis	Basis Description
T	Total/NA

GC/MS VOA BATCH WORKSHEET

Lab Name: TestAmerica Buffalo Job No.: 480-18068-1

SDG No.:

Batch Number: 58917 Batch Start Date: 04/10/12 11:50 Batch Analyst: Byrnes, Jennifer M

Batch Method: 5035 Batch End Date:

Lab Sample ID	Client Sample ID	Method Chain	Basis	TareWeight	Vial&SampleWt	InitialAmount	FinalAmount		
480-18068-C-16	DUP-03	5035, 8260B	T	31.24 g	36.23 g	4.99 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 Buffalo Job No.: 480-18068-1

SDG No.:

Matrix: Solid Level: Low

GC Column (1): RXI-5Sil MS ID: 0.25 (mm)

Client Sample ID	Lab Sample ID	2FP #	PHL #	NBZ #	FBP #	TBP #	TPH #
RB-03 (0-6")	480-18068-1	58	67	66	73	96	92
RB-03 (6"-12")	480-18068-2	55	67	72	71	92	98
RB-03 (12"-24")	480-18068-3	61	68	71	75	92	94
RB-04 (0-6")	480-18068-4	63	70	73	80	107	109
RB-04 (6"-12"	480-18068-5	56	63	67	72	98	106
RB-04 (12"-24")	480-18068-6	55	66	74	70	100	111
RB-05 (0-6")	480-18068-7	59	68	80	82	84	78
RB-05 (6"-12"	480-18068-8	65	73	74	82	92	101
RB-05 (12"-24")	480-18068-9	75	85	82	97	94	113
RB-06 (0-6")	480-18068-10	70	80	77	88	87	95
RB-06 (6"-12"	480-18068-11	73	85	84	92	90	103
RB-06 (12"-24")	480-18068-12	75	84	83	98	91	107
SB-A1 (15'-15'8")	480-18068-13	85	99	95	109	100	121
SB-A2 (10'-11')	480-18068-14	69	82	80	93	98	108
SB-A3 (5'-6'1")	480-18068-15	65	71	76	78	95	93
DUP-03	480-18068-16	64	71	77	79	94	92
	MB 480-58302/1-A	86	89	103	98	119	136
	LCS 480-58302/2-A	83	86	106	93	112	113
SB-A3 (5'-6'1") MS	480-18068-15 MS	81	87	102	97	127	94
SB-A3 (5'-6'1") MSD	480-18068-15 MSD	84	87	94	94	128	99

	QC LIMITS
2FP = 2-Fluorophenol	18-120
PHL = Phenol-d5	11-120
NBZ = Nitrobenzene-d5	34-132
FBP = 2-Fluorobiphenyl	37-120
TBP = 2,4,6-Tribromophenol	39-146
TPH = p-Terphenyl-d14	65-153

Column to be used to flag recovery values

FORM II 8270C

FORM II
GC/MS SEMI VOA SURROGATE RECOVERY

Lab Name: TestAmerica Buffalo Job No.: 480-18068-1

SDG No.:

Matrix: Water Level: Low

GC Column (1): RXI-5Sil MS ID: 0.25 (mm)

Client Sample ID	Lab Sample ID	2FP #	PHL #	NBZ #	FBP #	TBP #	TPH #
EQUIPMENT BLANK	480-18068-17	35	25	77	88	124	105
	MB 480-58223/1-A	35	23	66	69	98	117
	LCS 480-58223/2-A	46	33	83	86	101	94

	QC LIMITS
2FP = 2-Fluorophenol	20-120
PHL = Phenol-d5	16-120
NBZ = Nitrobenzene-d5	46-120
FBP = 2-Fluorobiphenyl	48-120
TBP = 2,4,6-Tribromophenol	52-132
TPH = p-Terphenyl-d14	67-150

Column to be used to flag recovery values

FORM II 8270C

FORM III
GC/MS SEMI VOA LAB CONTROL SAMPLE RECOVERY

Lab Name: TestAmerica Buffalo Job No.: 480-18068-1

SDG No.:

Matrix: Water Level: Low Lab File ID: X4930.D

Lab ID: LCS 480-58223/2-A Client ID:

COMPOUND	SPIKE ADDED (ug/L)	LCS CONCENTRATION (ug/L)	LCS % REC	QC LIMITS REC	#
2,4-Dinitrophenol	100	82.8	83	42-153	
2,4-Dinitrotoluene	100	102	102	59-125	
2-Chlorophenol	100	74.5	75	48-120	
4-Chloro-3-methylphenol	100	91.3	91	64-120	
4-Nitrophenol	100	36.9	37	16-120	
Acenaphthene	100	86.7	87	60-120	
Bis(2-ethylhexyl) phthalate	100	101	101	69-136	
Fluorene	100	97.8	98	66-129	
Hexachloroethane	100	56.7	57	25-120	
N-Nitrosodi-n-propylamine	100	104	104	56-120	
Pentachlorophenol	100	88.1	88	39-136	
Phenol	100	34.1	34	17-120	
Pyrene	100	95.7	96	58-136	

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 Buffalo Job No.: 480-18068-1

SDG No.:

Matrix: Solid Level: Low Lab File ID: X4971.D

Lab ID: LCS 480-58302/2-A Client ID:

COMPOUND	SPIKE ADDED (ug/Kg)	LCS CONCENTRATION (ug/Kg)	LCS % REC	QC LIMITS REC	#
2,4-Dinitrophenol	3290	2990	91	35-146	
2,4-Dinitrotoluene	3290	3770	114	55-125	
2-Chlorophenol	3290	2700	82	38-120	
4-Chloro-3-methylphenol	3290	3680	112	49-125	
4-Nitrophenol	3290	5000	152	43-137	*
Acenaphthene	3290	3340	101	53-120	
Bis(2-ethylhexyl) phthalate	3290	3710	113	61-133	
Fluorene	3290	3740	114	63-126	
Hexachloroethane	3290	2870	87	41-120	
N-Nitrosodi-n-propylamine	3290	3560	108	46-120	
Pentachlorophenol	3290	2900	88	33-136	
Phenol	3290	2830	86	36-120	
Pyrene	3290	3500	106	51-133	

Column to be used to flag recovery and RPD values

FORM III 8270C

FORM III
GC/MS SEMI VOA MATRIX SPIKE RECOVERY

Lab Name: TestAmerica Buffalo Job No.: 480-18068-1

SDG No.:

Matrix: Solid Level: Low Lab File ID: X4972.D

Lab ID: 480-18068-15 MS Client ID: SB-A3 (5'-6'1") MS

COMPOUND	SPIKE ADDED (ug/Kg)	SAMPLE CONCENTRATION (ug/Kg)	MS CONCENTRATION (ug/Kg)	MS % REC	QC LIMITS REC	#
2,4-Dinitrotoluene	3530	ND	4080	116	55-125	
2-Chlorophenol	3530	ND	2910	83	38-120	
4-Chloro-3-methylphenol	3530	ND	3760	107	49-125	
4-Nitrophenol	3530	ND	5650	160	43-137	E F
Acenaphthene	3530	430	3640	91	53-120	
Bis(2-ethylhexyl) phthalate	3530	ND	4020	114	61-133	
Fluorene	3530	630	4110	99	63-126	
Hexachloroethane	3530	ND	3090	87	41-120	
N-Nitrosodi-n-propylamine	3530	ND	3670	104	46-120	
Pentachlorophenol	3530	ND	2820	80	33-136	
Phenol	3530	21 J	3140	88	36-120	
Pyrene	3530	3300	7340	114	51-133	E

Column to be used to flag recovery and RPD values

FORM III 8270C

FORM III
GC/MS SEMI VOA MATRIX SPIKE DUPLICATE RECOVERY

Lab Name: TestAmerica Buffalo Job No.: 480-18068-1

SDG No.:

Matrix: Solid Level: Low Lab File ID: X4973.D

Lab ID: 480-18068-15 MSD Client ID: SB-A3 (5'-6'1") MSD

COMPOUND	SPIKE ADDED (ug/Kg)	MSD CONCENTRATION (ug/Kg)	MSD % REC	% RPD	QC LIMITS RPD	QC LIMITS REC	#
2,4-Dinitrotoluene	3480	3910	112	4.44	20	55-125	
2-Chlorophenol	3480	2920	84	0.000	25	38-120	
4-Chloro-3-methylphenol	3480	3580	103	4.81	27	49-125	
4-Nitrophenol	3480	5190	149	8.59	25	43-137	F
Acenaphthene	3480	3460	87	5.13	35	53-120	
Bis(2-ethylhexyl) phthalate	3480	4060	116	1.07	15	61-133	
Fluorene	3480	3650	87	12.0	15	63-126	
Hexachloroethane	3480	3260	94	5.57	46	41-120	
N-Nitrosodi-n-propylamine	3480	3730	107	1.47	31	46-120	
Pentachlorophenol	3480	3220	92	13.1	35	33-136	
Phenol	3480	3160	90	1.00	35	36-120	
Pyrene	3480	4130	23	55.9	35	51-133	F

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 Buffalo Job No.: 480-18068-1

SDG No.:

Lab File ID: X4929.D Lab Sample ID: MB 480-58223/1-A

Matrix: Water Date Extracted: 04/05/2012 07:38

Instrument ID: HP5973X Date Analyzed: 04/06/2012 05:02

Level:(Low/Med) Low

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES:

CLIENT SAMPLE ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
	LCS 480-58223/2-A	X4930.D	04/06/2012 05:25
EQUIPMENT BLANK	480-18068-17	X4945.D	04/06/2012 11:16

FORM IV
GC/MS SEMI VOA METHOD BLANK SUMMARY

Lab Name: TestAmerica Buffalo Job No.: 480-18068-1

SDG No.:

Lab File ID: X4970.D Lab Sample ID: MB 480-58302/1-A

Matrix: Solid Date Extracted: 04/05/2012 10:44

Instrument ID: HP5973X Date Analyzed: 04/06/2012 22:15

Level:(Low/Med) Low

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES:

CLIENT SAMPLE ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
	LCS 480-58302/2-A	X4971.D	04/06/2012 22:38
SB-A3 (5'-6'1") MS	480-18068-15 MS	X4972.D	04/06/2012 23:02
SB-A3 (5'-6'1") MSD	480-18068-15 MSD	X4973.D	04/06/2012 23:26
RB-03 (6"-12")	480-18068-2	X4976.D	04/07/2012 00:37
RB-03 (12"-24")	480-18068-3	X4977.D	04/07/2012 01:01
RB-04 (0-6")	480-18068-4	X4978.D	04/07/2012 01:25
RB-04 (6"-12"	480-18068-5	X4979.D	04/07/2012 01:49
RB-04 (12"-24")	480-18068-6	X4980.D	04/07/2012 02:12
RB-05 (0-6")	480-18068-7	X4981.D	04/07/2012 02:36
RB-03 (0-6")	480-18068-1	X5093.D	04/09/2012 18:40
RB-05 (6"-12"	480-18068-8	X5094.D	04/09/2012 19:04
RB-05 (12"-24")	480-18068-9	X5095.D	04/09/2012 19:28
RB-06 (0-6")	480-18068-10	X5096.D	04/09/2012 19:51
RB-06 (6"-12"	480-18068-11	X5097.D	04/09/2012 20:15
RB-06 (12"-24")	480-18068-12	X5098.D	04/09/2012 20:38
SB-A1 (15'-15'8")	480-18068-13	X5099.D	04/09/2012 21:02
SB-A2 (10'-11')	480-18068-14	X5100.D	04/09/2012 21:25
SB-A3 (5'-6'1")	480-18068-15	X5101.D	04/09/2012 21:48
DUP-03	480-18068-16	X5102.D	04/09/2012 22:12

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

Lab Name: TestAmerica Buffalo Job No.: 480-18068-1

SDG No.:

Lab File ID: X3770.D DFTPP Injection Date: 03/01/2012

Instrument ID: HP5973X DFTPP Injection Time: 10:55

Analysis Batch No.: 53517

M/E	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE	
51	30.0 - 60.0 % of mass 198	32.3	
68	Less than 2.0 % of mass 69	0.0	(0.0)1
69	Mass 69 relative abundance	40.7	
70	Less than 2.0 % of mass 69	0.2	(0.5)1
127	40.0 - 60.0 % of mass 198	47.3	
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	6.3	
275	10.0 - 30.0 % of mass 198	25.9	
365	Greater than 1.0 % of mass 198	3.2	
441	Present but less than mass 443	17.3	(71.0)1
442	Greater than 40.0 % of mass 198	125.3	
443	17.0 - 23.0 % of mass 442	24.3	(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
	IC 480-53517/2	X3775.D	03/01/2012	14:12
	IC 480-53517/3	X3776.D	03/01/2012	14:35
	ICIS 480-53517/4	X3777.D	03/01/2012	15:03
	IC 480-53517/5	X3778.D	03/01/2012	15:26
	IC 480-53517/6	X3779.D	03/01/2012	15:50
	IC 480-53517/7	X3780.D	03/01/2012	16:13

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

Lab Name: TestAmerica Buffalo Job No.: 480-18068-1

SDG No.:

Lab File ID: X4779.D DFTPP Injection Date: 04/03/2012

Instrument ID: HP5973X DFTPP Injection Time: 13:13

Analysis Batch No.: 57955

M/E	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE	
51	30.0 - 60.0 % of mass 198	45.7	
68	Less than 2.0 % of mass 69	0.5	(1.0)1
69	Mass 69 relative abundance	48.6	
70	Less than 2.0 % of mass 69	0.0	(0.0)1
127	40.0 - 60.0 % of mass 198	48.3	
197	Less than 1.0 % of mass 198	0.5	
198	Base Peak, 100 % relative abundance	100.0	
199	5.0- 9.0 % of mass 198	6.7	
275	10.0 - 30.0 % of mass 198	28.3	
365	Greater than 1.0 % of mass 198	5.1	
441	Present but less than mass 443	17.2	(76.3)1
442	Greater than 40.0 % of mass 198	119.1	
443	17.0 - 23.0 % of mass 442	22.5	(18.9)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 480-57955/2	X4780.D	04/03/2012	13:29
	IC 480-57955/3	X4781.D	04/03/2012	13:52
	ICIS 480-57955/4	X4782.D	04/03/2012	14:16
	IC 480-57955/5	X4783.D	04/03/2012	14:39
	IC 480-57955/6	X4784.D	04/03/2012	15:02
	IC 480-57955/7	X4785.D	04/03/2012	15:26

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

Lab Name: TestAmerica Buffalo Job No.: 480-18068-1

SDG No.:

Lab File ID: X4916.D DFTPP Injection Date: 04/06/2012

Instrument ID: HP5973X DFTPP Injection Time: 00:04

Analysis Batch No.: 58387

M/E	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE	
51	30.0 - 60.0 % of mass 198	49.7	
68	Less than 2.0 % of mass 69	0.0	(0.0)1
69	Mass 69 relative abundance	56.4	
70	Less than 2.0 % of mass 69	0.0	(0.0)1
127	40.0 - 60.0 % of mass 198	59.3	
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	7.5	
275	10.0 - 30.0 % of mass 198	27.1	
365	Greater than 1.0 % of mass 198	4.8	
441	Present but less than mass 443	14.6	(82.7)1
442	Greater than 40.0 % of mass 198	91.2	
443	17.0 - 23.0 % of mass 442	17.7	(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
	CCVIS 480-58387/2	X4917.D	04/06/2012	00:20
	CCV 480-58387/3	X4918.D	04/06/2012	00:43
	MB 480-58223/1-A	X4929.D	04/06/2012	05:02
	LCS 480-58223/2-A	X4930.D	04/06/2012	05:25
EQUIPMENT BLANK	480-18068-17	X4945.D	04/06/2012	11:16

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

Lab Name: TestAmerica Buffalo Job No.: 480-18068-1

SDG No.:

Lab File ID: X4951.D DFTPP Injection Date: 04/06/2012

Instrument ID: HP5973X DFTPP Injection Time: 14:53

Analysis Batch No.: 58507

M/E	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE	
51	30.0 - 60.0 % of mass 198	46.2	
68	Less than 2.0 % of mass 69	0.9	(1.7)1
69	Mass 69 relative abundance	48.8	
70	Less than 2.0 % of mass 69	0.0	(0.0)1
127	40.0 - 60.0 % of mass 198	53.6	
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	6.8	
275	10.0 - 30.0 % of mass 198	29.6	
365	Greater than 1.0 % of mass 198	5.3	
441	Present but less than mass 443	18.6	(69.6)1
442	Greater than 40.0 % of mass 198	128.7	
443	17.0 - 23.0 % of mass 442	26.7	(20.7)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
	CCVIS 480-58507/2	X4952.D	04/06/2012	15:09
	CCV 480-58507/3	X4953.D	04/06/2012	15:33
	MB 480-58302/1-A	X4970.D	04/06/2012	22:15
	LCS 480-58302/2-A	X4971.D	04/06/2012	22:38
SB-A3 (5'-6'1") MS	480-18068-15 MS	X4972.D	04/06/2012	23:02
SB-A3 (5'-6'1") MSD	480-18068-15 MSD	X4973.D	04/06/2012	23:26
RB-03 (6"-12")	480-18068-2	X4976.D	04/07/2012	00:37
RB-03 (12"-24")	480-18068-3	X4977.D	04/07/2012	01:01
RB-04 (0-6")	480-18068-4	X4978.D	04/07/2012	01:25
RB-04 (6"-12"	480-18068-5	X4979.D	04/07/2012	01:49
RB-04 (12"-24")	480-18068-6	X4980.D	04/07/2012	02:12
RB-05 (0-6")	480-18068-7	X4981.D	04/07/2012	02:36

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

Lab Name: TestAmerica Buffalo Job No.: 480-18068-1

SDG No.:

Lab File ID: X5073.D DFTPP Injection Date: 04/09/2012

Instrument ID: HP5973X DFTPP Injection Time: 10:58

Analysis Batch No.: 58716

M/E	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE	
51	30.0 - 60.0 % of mass 198	41.9	
68	Less than 2.0 % of mass 69	0.0	(0.0)1
69	Mass 69 relative abundance	45.2	
70	Less than 2.0 % of mass 69	0.0	(0.0)1
127	40.0 - 60.0 % of mass 198	48.7	
197	Less than 1.0 % of mass 198	0.0	
198	Base Peak, 100 % relative abundance	100.0	
199	5.0- 9.0 % of mass 198	7.4	
275	10.0 - 30.0 % of mass 198	22.1	
365	Greater than 1.0 % of mass 198	2.0	
441	Present but less than mass 443	8.9	(73.3)1
442	Greater than 40.0 % of mass 198	60.5	
443	17.0 - 23.0 % of mass 442	12.1	(20.0)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 480-58716/2	X5074.D	04/09/2012	11:15
	IC 480-58716/3	X5075.D	04/09/2012	11:41
	ICIS 480-58716/4	X5076.D	04/09/2012	12:05
	IC 480-58716/5	X5077.D	04/09/2012	12:29
	IC 480-58716/6	X5078.D	04/09/2012	12:53
	IC 480-58716/7	X5079.D	04/09/2012	13:17
	IC 480-58716/8	X5080.D	04/09/2012	13:41
	IC 480-58716/9	X5081.D	04/09/2012	14:05
	IC 480-58716/10	X5082.D	04/09/2012	14:28
	IC 480-58716/11	X5083.D	04/09/2012	14:52
	IC 480-58716/12	X5084.D	04/09/2012	15:15
	IC 480-58716/13	X5085.D	04/09/2012	15:39

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

Lab Name: TestAmerica Buffalo Job No.: 480-18068-1

SDG No.:

Lab File ID: X5088.D DFTPP Injection Date: 04/09/2012

Instrument ID: HP5973X DFTPP Injection Time: 16:48

Analysis Batch No.: 58786

M/E	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE	
51	30.0 - 60.0 % of mass 198	39.7	
68	Less than 2.0 % of mass 69	0.5	(1.1)1
69	Mass 69 relative abundance	42.0	
70	Less than 2.0 % of mass 69	0.0	(0.0)1
127	40.0 - 60.0 % of mass 198	46.1	
197	Less than 1.0 % of mass 198	0.0	
198	Base Peak, 100 % relative abundance	100.0	
199	5.0- 9.0 % of mass 198	6.8	
275	10.0 - 30.0 % of mass 198	21.5	
365	Greater than 1.0 % of mass 198	2.2	
441	Present but less than mass 443	9.5	(75.3)1
442	Greater than 40.0 % of mass 198	61.8	
443	17.0 - 23.0 % of mass 442	12.6	(20.4)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
	CCVIS 480-58786/2	X5089.D	04/09/2012	17:04
	CCV 480-58786/3	X5090.D	04/09/2012	17:28
RB-03 (0-6")	480-18068-1	X5093.D	04/09/2012	18:40
RB-05 (6"-12"	480-18068-8	X5094.D	04/09/2012	19:04
RB-05 (12"-24")	480-18068-9	X5095.D	04/09/2012	19:28
RB-06 (0-6")	480-18068-10	X5096.D	04/09/2012	19:51
RB-06 (6"-12"	480-18068-11	X5097.D	04/09/2012	20:15
RB-06 (12"-24")	480-18068-12	X5098.D	04/09/2012	20:38
SB-A1 (15'-15'8")	480-18068-13	X5099.D	04/09/2012	21:02
SB-A2 (10'-11')	480-18068-14	X5100.D	04/09/2012	21:25
SB-A3 (5'-6'1")	480-18068-15	X5101.D	04/09/2012	21:48
DUP-03	480-18068-16	X5102.D	04/09/2012	22:12

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

Lab Name: TestAmerica Buffalo Job No.: 480-18068-1

SDG No.:

Sample No.: ICIS 480-57955/4 Date Analyzed: 04/03/2012 14:16

Instrument ID: HP5973X GC Column: RXI-5Sil MS ID: 0.25(mm)

Lab File ID (Standard): X4782.D Heated Purge: (Y/N) N

Calibration ID: 7225

		DCB		NPT		ANT	
		AREA #	RT #	AREA #	RT #	AREA #	RT #
INITIAL CALIBRATION MID-POINT		86462	5.94	326590	7.44	230318	9.49
UPPER LIMIT		172924	6.44	653180	7.94	460636	9.99
LOWER LIMIT		43231	5.44	163295	6.94	115159	8.99
LAB SAMPLE ID	CLIENT SAMPLE ID						
CCVIS 480-58387/2		64548	5.85	246271	7.35	172768	9.41
CCVIS 480-58507/2		81270	5.81	305594	7.32	213096	9.40

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 Buffalo Job No.: 480-18068-1

SDG No.:

Sample No.: ICIS 480-57955/4 Date Analyzed: 04/03/2012 14:16

Instrument ID: HP5973X GC Column: RXI-5Sil MS ID: 0.25(mm)

Lab File ID (Standard): X4782.D Heated Purge: (Y/N) N

Calibration ID: 7225

		PHN		CRY		PRY	
		AREA #	RT #	AREA #	RT #	AREA #	RT #
INITIAL CALIBRATION MID-POINT		392267	11.11	348394	13.52	323656	14.74
UPPER LIMIT		784534	11.61	696788	14.02	647312	15.24
LOWER LIMIT		196134	10.61	174197	13.02	161828	14.24
LAB SAMPLE ID	CLIENT SAMPLE ID						
CCVIS 480-58387/2		283545	11.04	267522	13.46	261494	14.67
CCVIS 480-58507/2		358128	11.01	328194	13.42	270363	14.64

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

Lab Name: TestAmerica Buffalo Job No.: 480-18068-1

SDG No.:

Sample No.: CCVIS 480-58387/2 Date Analyzed: 04/06/2012 00:20

Instrument ID: HP5973X GC Column: RXI-5Sil MS ID: 0.25(mm)

Lab File ID (Standard): X4917.D Heated Purge: (Y/N) N

Calibration ID: 7225

		DCB		NPT		ANT	
		AREA #	RT #	AREA #	RT #	AREA #	RT #
12/24 HOUR STD		64548	5.85	246271	7.35	172768	9.41
UPPER LIMIT		129096	6.35	492542	7.85	345536	9.91
LOWER LIMIT		32274	5.35	123136	6.85	86384	8.91
LAB SAMPLE ID	CLIENT SAMPLE ID						
CCV 480-58387/3		81757	5.83	326092	7.34	216837	9.40
MB 480-58223/1-A		56734	5.83	236984	7.34	156548	9.40
LCS 480-58223/2-A		55403	5.83	226998	7.34	161827	9.40
480-18068-17	EQUIPMENT BLANK	53460	5.82	212071	7.33	127013	9.40

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 Buffalo Job No.: 480-18068-1

SDG No.:

Sample No.: CCVIS 480-58387/2 Date Analyzed: 04/06/2012 00:20

Instrument ID: HP5973X GC Column: RXI-5Sil MS ID: 0.25(mm)

Lab File ID (Standard): X4917.D Heated Purge: (Y/N) N

Calibration ID: 7225

		PHN		CRY		PRY	
		AREA #	RT #	AREA #	RT #	AREA #	RT #
12/24 HOUR STD		283545	11.04	267522	13.46	261494	14.67
UPPER LIMIT		567090	11.54	535044	13.96	522988	15.17
LOWER LIMIT		141773	10.54	133761	12.96	130747	14.17
LAB SAMPLE ID	CLIENT SAMPLE ID						
CCV 480-58387/3		350721	11.04	347145	13.45	349419	14.66
MB 480-58223/1-A		247194	11.03	190885	13.45	223196	14.65
LCS 480-58223/2-A		274486	11.03	256025	13.45	241604	14.66
480-18068-17	EQUIPMENT BLANK	191467	11.03	169586	13.45	200221	14.65

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

Lab Name: TestAmerica Buffalo Job No.: 480-18068-1

SDG No.:

Sample No.: CCVIS 480-58507/2 Date Analyzed: 04/06/2012 15:09

Instrument ID: HP5973X GC Column: RXI-5Sil MS ID: 0.25(mm)

Lab File ID (Standard): X4952.D Heated Purge: (Y/N) N

Calibration ID: 7225

		DCB		NPT		ANT	
		AREA #	RT #	AREA #	RT #	AREA #	RT #
12/24 HOUR STD		81270	5.81	305594	7.32	213096	9.40
UPPER LIMIT		162540	6.31	611188	7.82	426192	9.90
LOWER LIMIT		40635	5.31	152797	6.82	106548	8.90
LAB SAMPLE ID	CLIENT SAMPLE ID						
CCV 480-58507/3		59145	5.81	224726	7.32	149189	9.40
MB 480-58302/1-A		56009	5.84	217215	7.34	147796	9.41
LCS 480-58302/2-A		55147	5.81	194580	7.33	147333	9.41
480-18068-15 MS	SB-A3 (5'-6'1") MS	60732	5.84	216852	7.35	149789	9.42
480-18068-15 MSD	SB-A3 (5'-6'1") MSD	59147	5.83	234896	7.35	161063	9.42
480-18068-2	RB-03 (6"-12")	55889	5.78	212714	7.31	145275	9.39
480-18068-3	RB-03 (12"-24")	57323	5.79	236298	7.32	161811	9.39
480-18068-4	RB-04 (0-6")	63105	5.80	247239	7.32	164713	9.39
480-18068-5	RB-04 (6"-12"	52663	5.83	213640	7.33	144299	9.40
480-18068-6	RB-04 (12"-24")	53538	5.83	209284	7.34	149879	9.40
480-18068-7	RB-05 (0-6")	49869	5.81	198545	7.37	131443	9.42

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 Buffalo Job No.: 480-18068-1

SDG No.:

Sample No.: CCVIS 480-58507/2 Date Analyzed: 04/06/2012 15:09

Instrument ID: HP5973X GC Column: RXI-5Sil MS ID: 0.25(mm)

Lab File ID (Standard): X4952.D Heated Purge: (Y/N) N

Calibration ID: 7225

		PHN		CRY		PRY	
		AREA #	RT #	AREA #	RT #	AREA #	RT #
12/24 HOUR STD		358128	11.01	328194	13.42	270363	14.64
UPPER LIMIT		716256	11.51	656388	13.92	540726	15.14
LOWER LIMIT		179064	10.51	164097	12.92	135182	14.14
LAB SAMPLE ID	CLIENT SAMPLE ID						
CCV 480-58507/3		263069	11.02	244628	13.42	204510	14.61
MB 480-58302/1-A		239154	11.03	209062	13.43	192232	14.64
LCS 480-58302/2-A		259801	11.03	246729	13.46	196346	14.66
480-18068-15 MS	SB-A3 (5'-6'1") MS	214605	11.04	258813	13.47	237266	14.66
480-18068-15 MSD	SB-A3 (5'-6'1") MSD	225747	11.04	232989	13.47	226371	14.67
480-18068-2	RB-03 (6"-12")	231755	11.02	170495	13.43	202707	14.63
480-18068-3	RB-03 (12"-24")	259669	11.02	200387	13.43	233697	14.63
480-18068-4	RB-04 (0-6")	260290	11.01	206970	13.43	238105	14.63
480-18068-5	RB-04 (6"-12"	228815	11.03	172907	13.44	206962	14.64
480-18068-6	RB-04 (12"-24")	219731	11.04	170214	13.44	200992	14.64
480-18068-7	RB-05 (0-6")	212451	11.05	175599	13.46	196999	14.66

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

Lab Name: TestAmerica Buffalo Job No.: 480-18068-1

SDG No.:

Sample No.: ICIS 480-58716/4 Date Analyzed: 04/09/2012 12:05

Instrument ID: HP5973X GC Column: RXI-5Sil MS ID: 0.25(mm)

Lab File ID (Standard): X5076.D Heated Purge: (Y/N) N

Calibration ID: 7315

		DCB		NPT		ANT	
		AREA #	RT #	AREA #	RT #	AREA #	RT #
INITIAL CALIBRATION MID-POINT		92216	6.05	328172	7.55	189481	9.61
UPPER LIMIT		184432	6.55	656344	8.05	378962	10.11
LOWER LIMIT		46108	5.55	164086	7.05	94741	9.11
LAB SAMPLE ID	CLIENT SAMPLE ID						
CCVIS 480-58786/2		106308	6.04	386807	7.55	214847	9.61

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 Buffalo Job No.: 480-18068-1

SDG No.:

Sample No.: ICIS 480-58716/4 Date Analyzed: 04/09/2012 12:05

Instrument ID: HP5973X GC Column: RXI-5Sil MS ID: 0.25(mm)

Lab File ID (Standard): X5076.D Heated Purge: (Y/N) N

Calibration ID: 7315

		PHN		CRY		PRY	
		AREA #	RT #	AREA #	RT #	AREA #	RT #
INITIAL CALIBRATION MID-POINT		341513	11.22	324096	13.63	361447	14.88
UPPER LIMIT		683026	11.72	648192	14.13	722894	15.38
LOWER LIMIT		170757	10.72	162048	13.13	180724	14.38
LAB SAMPLE ID	CLIENT SAMPLE ID						
CCVIS 480-58786/2		383977	11.22	355847	13.63	406076	14.87

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

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

Lab Name: TestAmerica Buffalo Job No.: 480-18068-1

SDG No.:

Sample No.: CCVIS 480-58786/2 Date Analyzed: 04/09/2012 17:04

Instrument ID: HP5973X GC Column: RXI-5Sil MS ID: 0.25(mm)

Lab File ID (Standard): X5089.D Heated Purge: (Y/N) N

Calibration ID: 7313

		DCB		NPT		ANT	
		AREA #	RT #	AREA #	RT #	AREA #	RT #
12/24 HOUR STD		106308	6.04	386807	7.55	214847	9.61
UPPER LIMIT		212616	6.54	773614	8.05	429694	10.11
LOWER LIMIT		53154	5.54	193404	7.05	107424	9.11
LAB SAMPLE ID	CLIENT SAMPLE ID						
CCV 480-58786/3		97020	6.04	346383	7.54	196392	9.60
480-18068-1	RB-03 (0-6")	122233	6.03	425161	7.53	238954	9.60
480-18068-8	RB-05 (6"-12"	111578	6.03	395288	7.53	222800	9.60
480-18068-9	RB-05 (12"-24")	110071	6.03	397585	7.54	225160	9.60
480-18068-10	RB-06 (0-6")	126250	6.03	447109	7.53	252680	9.60
480-18068-11	RB-06 (6"-12"	131188	6.02	469130	7.53	267839	9.60
480-18068-12	RB-06 (12"-24")	116016	6.05	403066	7.54	229499	9.60
480-18068-13	SB-A1 (15'-15'8")	128461	6.04	451961	7.53	257304	9.60
480-18068-14	SB-A2 (10'-11')	117451	6.03	411503	7.53	232978	9.60
480-18068-15	SB-A3 (5'-6'1")	139469	6.03	486929	7.54	278514	9.60
480-18068-16	DUP-03	132558	6.05	455674	7.54	259106	9.60

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 Buffalo Job No.: 480-18068-1

SDG No.:

Sample No.: CCVIS 480-58786/2 Date Analyzed: 04/09/2012 17:04

Instrument ID: HP5973X GC Column: RXI-5Sil MS ID: 0.25(mm)

Lab File ID (Standard): X5089.D Heated Purge: (Y/N) N

Calibration ID: 7313

		PHN		CRY		PRY	
		AREA #	RT #	AREA #	RT #	AREA #	RT #
12/24 HOUR STD		383977	11.22	355847	13.63	406076	14.87
UPPER LIMIT		767954	11.72	711694	14.13	812152	15.37
LOWER LIMIT		191989	10.72	177924	13.13	203038	14.37
LAB SAMPLE ID	CLIENT SAMPLE ID						
CCV 480-58786/3		353671	11.21	351533	13.62	362072	14.87
480-18068-1	RB-03 (0-6")	418165	11.21	390111	13.62	448016	14.87
480-18068-8	RB-05 (6"-12"	385487	11.21	357889	13.62	434426	14.87
480-18068-9	RB-05 (12"-24")	402248	11.21	379212	13.62	445019	14.86
480-18068-10	RB-06 (0-6")	439104	11.21	414831	13.62	483583	14.87
480-18068-11	RB-06 (6"-12"	464761	11.21	433129	13.62	523269	14.87
480-18068-12	RB-06 (12"-24")	414329	11.22	389005	13.63	464729	14.87
480-18068-13	SB-A1 (15'-15'8")	449617	11.21	422180	13.62	522870	14.87
480-18068-14	SB-A2 (10'-11')	407114	11.21	394306	13.62	482207	14.87
480-18068-15	SB-A3 (5'-6'1")	470904	11.22	434491	13.63	553096	14.88
480-18068-16	DUP-03	447726	11.21	403373	13.63	523504	14.88

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 Buffalo | Job No.: 480-18068-1

SDG No.:

Client Sample ID: RB-03 (0-6") | Lab Sample ID: 480-18068-1

Matrix: Solid | Lab File ID: X5093.D

Analysis Method: 8270C | Date Collected: 04/02/2012 11:15

Extract. Method: 3550B | Date Extracted: 04/05/2012 10:44

Sample wt/vol: +30.04(g) | Date Analyzed: 04/09/2012 18:40

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

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

% Moisture: 24.5 | GPC Cleanup:(Y/N) N

Analysis Batch No.: 58786 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
95-95-4	2,4,5-Trichlorophenol	ND		220	49
88-06-2	2,4,6-Trichlorophenol	ND		220	15
120-83-2	2,4-Dichlorophenol	ND		220	12
105-67-9	2,4-Dimethylphenol	ND		220	60
51-28-5	2,4-Dinitrophenol	ND		440	78
121-14-2	2,4-Dinitrotoluene	ND		220	35
606-20-2	2,6-Dinitrotoluene	ND		220	55
91-58-7	2-Chloronaphthalene	ND		220	15
95-57-8	2-Chlorophenol	ND		220	11
91-57-6	2-Methylnaphthalene	5.3	J	220	2.7
95-48-7	2-Methylphenol	ND		220	6.9
88-74-4	2-Nitroaniline	ND		440	72
88-75-5	2-Nitrophenol	ND		220	10
91-94-1	3,3'-Dichlorobenzidine	ND		220	200
99-09-2	3-Nitroaniline	ND		440	51
534-52-1	4,6-Dinitro-2-methylphenol	ND		440	77
101-55-3	4-Bromophenyl phenyl ether	ND		220	71
59-50-7	4-Chloro-3-methylphenol	ND		220	9.2
106-47-8	4-Chloroaniline	ND		220	66
7005-72-3	4-Chlorophenyl phenyl ether	ND		220	4.8
106-44-5	4-Methylphenol	21	J	440	12
100-01-6	4-Nitroaniline	ND		440	25
100-02-7	4-Nitrophenol	ND	*	440	54
83-32-9	Acenaphthene	12	J	220	2.6
208-96-8	Acenaphthylene	ND		220	1.8
98-86-2	Acetophenone	ND		220	11
120-12-7	Anthracene	30	J	220	5.7
1912-24-9	Atrazine	ND	*	220	9.9
100-52-7	Benzaldehyde	ND		220	24
56-55-3	Benzo(a)anthracene	140	J	220	3.9
50-32-8	Benzo(a)pyrene	170	J	220	5.4
205-99-2	Benzo(b)fluoranthene	230		220	4.3
191-24-2	Benzo(g,h,i)perylene	140	J	220	2.7
207-08-9	Benzo(k)fluoranthene	87	J	220	2.5

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Buffalo | Job No.: 480-18068-1

SDG No.:

Client Sample ID: RB-03 (0-6") | Lab Sample ID: 480-18068-1

Matrix: Solid | Lab File ID: X5093.D

Analysis Method: 8270C | Date Collected: 04/02/2012 11:15

Extract. Method: 3550B | Date Extracted: 04/05/2012 10:44

Sample wt/vol: +30.04(g) | Date Analyzed: 04/09/2012 18:40

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

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

% Moisture: 24.5 | GPC Cleanup:(Y/N) N

Analysis Batch No.: 58786 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
92-52-4	Biphenyl	ND		220	14
108-60-1	bis (2-chloroisopropyl) ether	ND		220	23
111-91-1	Bis(2-chloroethoxy)methane	ND		220	12
111-44-4	Bis(2-chloroethyl)ether	ND		220	19
117-81-7	Bis(2-ethylhexyl) phthalate	ND		220	72
85-68-7	Butyl benzyl phthalate	ND		220	60
105-60-2	Caprolactam	ND		220	97
86-74-8	Carbazole	ND		220	2.6
218-01-9	Chrysene	150	J	220	2.2
53-70-3	Dibenz(a,h)anthracene	25	J	220	2.6
132-64-9	Dibenzofuran	ND		220	2.3
84-66-2	Diethyl phthalate	ND		220	6.7
131-11-3	Dimethyl phthalate	ND		220	5.8
84-74-2	Di-n-butyl phthalate	ND		220	77
117-84-0	Di-n-octyl phthalate	ND		220	5.2
206-44-0	Fluoranthene	270		220	3.2
86-73-7	Fluorene	ND		220	5.1
118-74-1	Hexachlorobenzene	ND		220	11
87-68-3	Hexachlorobutadiene	ND		220	11
77-47-4	Hexachlorocyclopentadiene	ND		220	67
67-72-1	Hexachloroethane	ND		220	17
193-39-5	Indeno(1,2,3-cd)pyrene	120	J	220	6.2
78-59-1	Isophorone	ND		220	11
91-20-3	Naphthalene	ND		220	3.7
98-95-3	Nitrobenzene	ND		220	9.9
621-64-7	N-Nitrosodi-n-propylamine	ND		220	18
86-30-6	N-Nitrosodiphenylamine	ND		220	12
87-86-5	Pentachlorophenol	ND		440	77
85-01-8	Phenanthrene	150	J	220	4.7
108-95-2	Phenol	ND		220	23
129-00-0	Pyrene	230		220	1.4

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Buffalo Job No.: 480-18068-1

SDG No.:

Client Sample ID: RB-03 (0-6") Lab Sample ID: 480-18068-1

Matrix: Solid Lab File ID: X5093.D

Analysis Method: 8270C Date Collected: 04/02/2012 11:15

Extract. Method: 3550B Date Extracted: 04/05/2012 10:44

Sample wt/vol: +30.04(g) Date Analyzed: 04/09/2012 18:40

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

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

% Moisture: 24.5 GPC Cleanup:(Y/N) N

Analysis Batch No.: 58786 Units: ug/Kg

CAS NO.	SURROGATE	%REC	Q	LIMITS
118-79-6	2,4,6-Tribromophenol	96		39-146
321-60-8	2-Fluorobiphenyl	73		37-120
367-12-4	2-Fluorophenol	58		18-120
4165-60-0	Nitrobenzene-d5	66		34-132
4165-62-2	Phenol-d5	67		11-120
1718-51-0	p-Terphenyl-d14	92		65-153

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

Lab Name: TestAmerica Buffalo | Job No.: 480-18068-1

SDG No.:

Client Sample ID: RB-03 (0-6") | Lab Sample ID: 480-18068-1

Matrix: Solid | Lab File ID: X5093.D

Analysis Method: 8270C | Date Collected: 04/02/2012 11:15

Extract. Method: 3550B | Date Extracted: 04/05/2012 10:44

Sample wt/vol: +30.04(g) | Date Analyzed: 04/09/2012 18:40

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

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

% Moisture: 24.5 | GPC Cleanup:(Y/N) N

Analysis Batch No.: 58786 | Units: ug/Kg

Number TICs Found: 10 | TIC Result Total: 7260

CAS NO.	COMPOUND NAME	RT	RESULT	Q
	Unknown	2.31	2300	T J
79-34-5	Ethane, 1,1,2,2-tetrachloro-	5.04	440	T J N
	Unknown	11.77	260	T J
53282-47-6	Bicyclo[4.1.0]heptane, 7-(1-methylethyli	12.22	360	T J N
112-95-8	Eicosane	15.20	270	T J N
83-47-6	.gamma.-Sitosterol	16.31	2200	T J N
	Unknown	16.70	420	T J
	Unknown	16.85	400	T J
1058-61-3	Stigmast-4-en-3-one	16.98	320	T J N
	Unknown	17.07	290	T J

TestAmerica Laboratories
Target Compound Quantitation Report

Data File:	\\Bufchrom\ChromData\HP5973X\20120409-10842.b\X5093.D		
Lims ID:	480-18068-B-1-B	Client ID:	RB-03 (0-6")
Inject. Date:	09-Apr-2012 18:40:30	Dil. Factor:	1.0000
Sample Type:	Client		
Sample ID:	480-0010842-006		
Misc. Info.:			
Operator:	RMM	Instrument ID:	HP5973X
Vol. Injected:	1.0000	ALS Bottle#:	6
Lims Batch ID:	58786	Lims Sample ID:	6
Detector:	MS SCAN		
Method:	\\Bufchrom\ChromData\HP5973X\20120409-10842.b\X-8270.m		
Last Update:	10-Apr-2012 10:39:25	Calib Date:	09-Apr-2012 15:39:30
Quant Method:	Internal Standard	Quant By:	Initial Calibration
Last ICal File:	\\Bufchrom\ChromData\HP5973X\20120409-10830.b\X5085.D		
Limit Group:	MB - 8270C ICAL		
Integrator:	RTE	ID Type:	Deconvolution ID
Process Host:	CORP-CTX-19		
First Level Reviewer: mckernar		Date:	10-Apr-2012 10:39:25

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ng/uL	Flags
* 1 1,4-Dichlorobenzene-d4	152	6.029	6.040	-0.011	98	122233	40.0	
* 2 Naphthalene-d8	136	7.530	7.536	-0.006	93	425161	40.0	
* 3 Acenaphthene-d10	164	9.603	9.603	0.0	54	238954	40.0	
* 4 Phenanthrene-d10	188	11.211	11.211	0.0	99	418165	40.0	
* 5 Chrysene-d12	240	13.615	13.620	-0.005	100	390111	40.0	
* 6 Perylene-d12	264	14.865	14.865	0.0	99	448016	40.0	
$ 7 2-Fluorophenol	112	4.464	4.475	-0.011	97	420172	86.9	
$ 8 Phenol-d5	99	5.596	5.602	-0.006	78	578934	100.9	
$ 9 Nitrobenzene-d5	82	6.686	6.697	-0.011	95	317194	65.8	
$ 10 2-Fluorobiphenyl	172	8.818	8.823	-0.005	100	561203	72.6	
$ 11 2,4,6-Tribromophenol	330	10.495	10.501	-0.006	83	128042	143.8	
$ 12 p-Terphenyl-d14	244	12.707	12.707	0.0	96	761137	92.3	
62 Benzaldehyde	77		5.532					
63 Phenol	94		5.618					
66 Bis(2-chloroethyl)ether	93		5.735					
67 2-Chlorophenol	128		5.789					
73 2-Methylphenol	108		6.339					
74 2,2'-oxybis[1-chloropropane]	45		6.376					
76 Acetophenone	105		6.515					
79 4-Methylphenol	108	6.515	6.526	-0.011	1	1836	0.4710	
78 N-Nitrosodi-n-propylamine	70		6.531					
81 Hexachloroethane	117		6.633					
83 Nitrobenzene	77		6.724					
86 Isophorone	82		7.012					
87 2-Nitrophenol	139		7.098					
89 2,4-Dimethylphenol	107		7.162					
94 Bis(2-chloroethoxy)methane	93		7.279					
97 2,4-Dichlorophenol	162		7.381					
99 Naphthalene	128		7.573					
101 4-Chloroaniline	127		7.648					
104 Hexachlorobutadiene	225		7.723					

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ng/uL	Flags
105 Caprolactam	113		8.038					
110 4-Chloro-3-methylphenol	107		8.214					
113 2-Methylnaphthalene	142	8.374	8.385	-0.011	12	779	0.1211	
116 Hexachlorocyclopentadiene	237		8.567					
118 2,4,6-Trichlorophenol	196		8.716					
119 2,4,5-Trichlorophenol	196		8.754					
123 1,1'-Biphenyl	154		8.930					
124 2-Chloronaphthalene	162		8.951					
125 2-Nitroaniline	65		9.090					
128 Dimethyl phthalate	163		9.320					
130 2,6-Dinitrotoluene	165		9.384					
131 Acenaphthylene	152		9.443					
132 3-Nitroaniline	138		9.582					
133 Acenaphthene	153	9.641	9.646	-0.005	9	1666	0.2633	
134 2,4-Dinitrophenol	184		9.699					
135 4-Nitrophenol	109		9.785					
138 Dibenzofuran	168		9.849					
137 2,4-Dinitrotoluene	165		9.854					
142 Diethyl phthalate	149		10.143					
144 Fluorene	166		10.239					
145 4-Chlorophenyl phenyl ether	204		10.250					
147 4-Nitroaniline	138		10.282					
148 4,6-Dinitro-2-methylphenol	198		10.308					
149 N-Nitrosodiphenylamine	169		10.383					
159 4-Bromophenyl phenyl ether	248		10.773					
160 Hexachlorobenzene	284		10.821					
163 Atrazine	200		10.955					
165 Pentachlorophenol	266		11.030					
171 Phenanthrene	178	11.233	11.238	-0.005	98	33684	3.31	
172 Anthracene	178	11.281	11.291	-0.010	68	7014	0.6824	
173 Carbazole	167		11.457					
176 Di-n-butyl phthalate	149	11.799	11.804	-0.005	69	8537	0.7093	
182 Fluoranthene	202	12.354	12.360	-0.006	98	72851	6.03	
185 Pyrene	202	12.557	12.568	-0.011	98	64689	5.24	
192 Butyl benzyl phthalate	149		13.134					
196 3,3'-Dichlorobenzidine	252		13.594					
197 Benzo[a]anthracene	228	13.604	13.615	-0.011	47	38033	3.27	
198 Bis(2-ethylhexyl) phthalate	149		13.626					
199 Chrysene	228	13.637	13.647	-0.010	97	39447	3.37	
201 Di-n-octyl phthalate	149		14.165					
203 Benzo[b]fluoranthene	252	14.513	14.523	-0.010	99	62362	5.21	
204 Benzo[k]fluoranthene	252	14.534	14.550	-0.016	73	24962	1.97	M
206 Benzo[a]pyrene	252	14.807	14.823	-0.017	97	40301	3.81	
208 Indeno[1,2,3-cd]pyrene	276	15.923	15.944	-0.021	90	32559	2.76	
209 Dibenz(a,h)anthracene	278	16.046	15.955	0.091	56	6024	0.5758	
210 Benzo[g,h,i]perylene	276	16.233	16.254	-0.021	92	31119	3.13	

QC Flag Legend

Review Flags
M - Manually Integrated

TestAmerica Laboratories
Tentatively Identified Quantitation Report

Data File:	\\Bufchrom\ChromData\HP5973X\20120409-10842.b\X5093.D		
Lims ID:	480-18068-B-1-B	Client ID:	RB-03 (0-6")
Inject. Date:	09-Apr-2012 18:40:30	Dil. Factor:	1.0000
Sample Type:	Client		
Sample ID:	480-0010842-006		
Misc. Info.:			
Operator:	RMM	Instrument ID:	HP5973X
Vol. Injected:	1.0000	ALS Bottle#:	6
Lims Batch ID:	58786	Lims Sample ID:	6
Detector:	MS SCAN		
Method:	\\Bufchrom\ChromData\HP5973X\20120409-10842.b\X-8270.m		
Last Update:	10-Apr-2012 10:39:25	Calib Date:	09-Apr-2012 15:39:30
Tic RT Window:	1.500 -0.000	Response:	area
Quant By:	Nearest ISTD	Quant LOD:	10.00000
MS Library:	\\Bufchrom\ChromData\Database\NIST98.L		
Min. Match:	85		
Process Host:	CORP-CTX-19		
First Level Reviewer: mckernar		Date:	10-Apr-2012 10:39:25

Tentative Identified Compound Results

RT	Response	Amount ng/uL	Quant Cpnd	Qual	Lib Entry	Flags
		Unknown				
2.311	1054303	52.8	1			
	79-34-5	Ethane, 1,1,2,2-tetrachloro-				
5.041	200101	10.0	1	94	33246	
		Unknown				
11.767	157044	5.88	4			
	53282-47-6	Bicyclo[4.1.0]heptane, 7-(1-methylethyli				
12.216	220901	8.27	4	90	39979	
	112-95-8	Eicosane				
15.196	189266	6.21	6	95	112345	
	83-47-6	.gamma.-Sitosterol				
16.308	1517595	49.8	6	89	5248	
		Unknown				
16.698	288470	9.47	6			
		Unknown				
16.853	273860	8.99	6			
	1058-61-3	Stigmast-4-en-3-one				
16.981	220675	7.24	6	91	56229	
		Unknown				
17.066	198276	6.51	6			

Quantitation Compounds

Compound	RT	Response	Amount ng/uL

Compound	RT	Response	Amount ng/uL
* 1 1,4-Dichlorobenzene-d4	6.029	798399	40.0
* 4 Phenanthrene-d10	11.211	1069009	40.0
* 6 Perylene-d12	14.860	1218942	40.0

QC Flag Legend

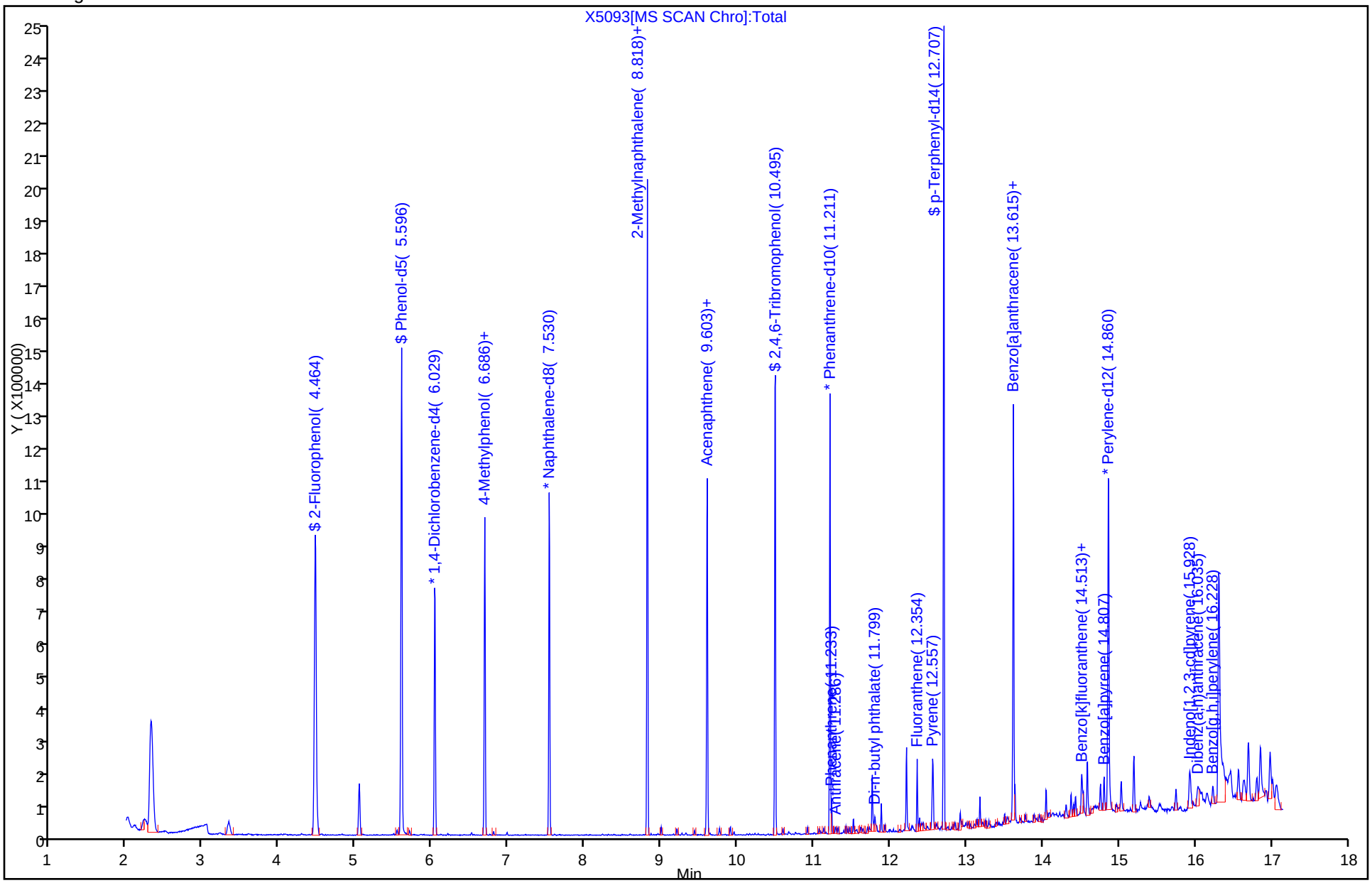
Processing Flags

Report Date: 10-Apr-2012 10:39:26 Chrom Revision: 2.0 20-Feb-2012 13:27:02

Data File: \\Bufchrom\ChromData\HP5973X\20120409-10842.b\X5093.D

Injection Date:	09-Apr-2012 18:40:30	Limit Group:	MB - 8270C ICAL
Client ID:	RB-03 (0-6")	Instrument ID:	HP5973X
Lims Batch ID:	58786	Lims Sample ID:	6
Operator ID:	RMM	Injection Vol:	1.00 ul
Column Type:	RXI-5Sil MS	Column Dia:	0.25 mm

Y Scaling:

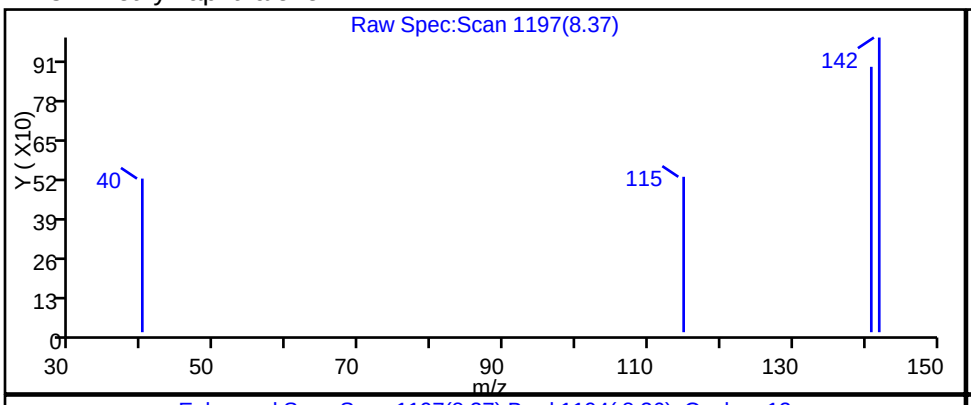


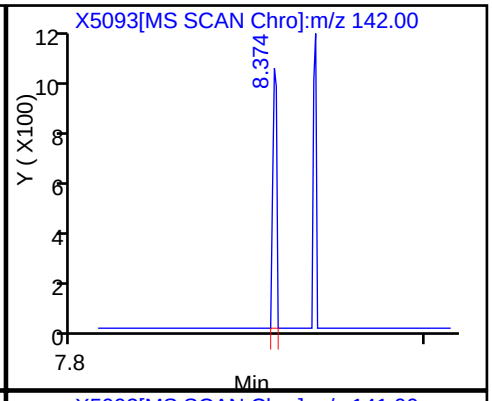
Report Date: 10-Apr-2012 10:39:26 Chrom Revision: 2.0 20-Feb-2012 13:27:02

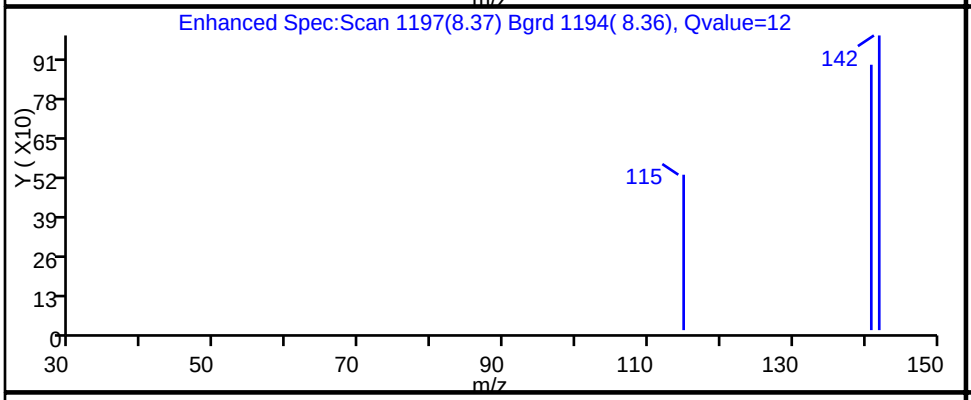
Data File: \\Bufchrom\ChromData\HP5973X\20120409-10842.b\X5093.D

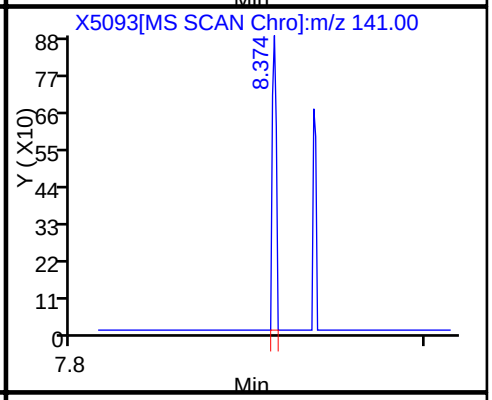
Injection Date:	09-Apr-2012 18:40:30	Limit Group:	MB - 8270C ICAL
Client ID:	RB-03 (0-6")	Instrument ID:	HP5973X
Lims Batch ID:	58786	Lims Sample ID:	6
Operator ID:	RMM	Injection Vol:	1.00 ul
Column Type:	RXI-5Sil MS	Column Dia:	0.25 mm

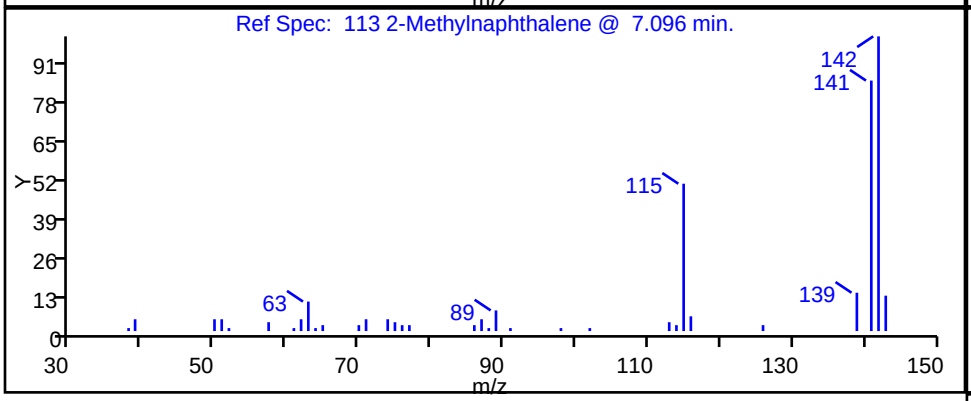
113 2-Methylnaphthalene

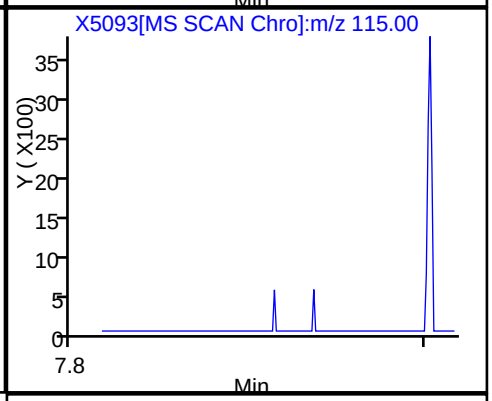


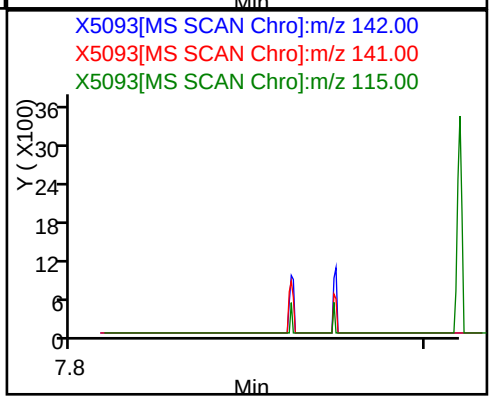










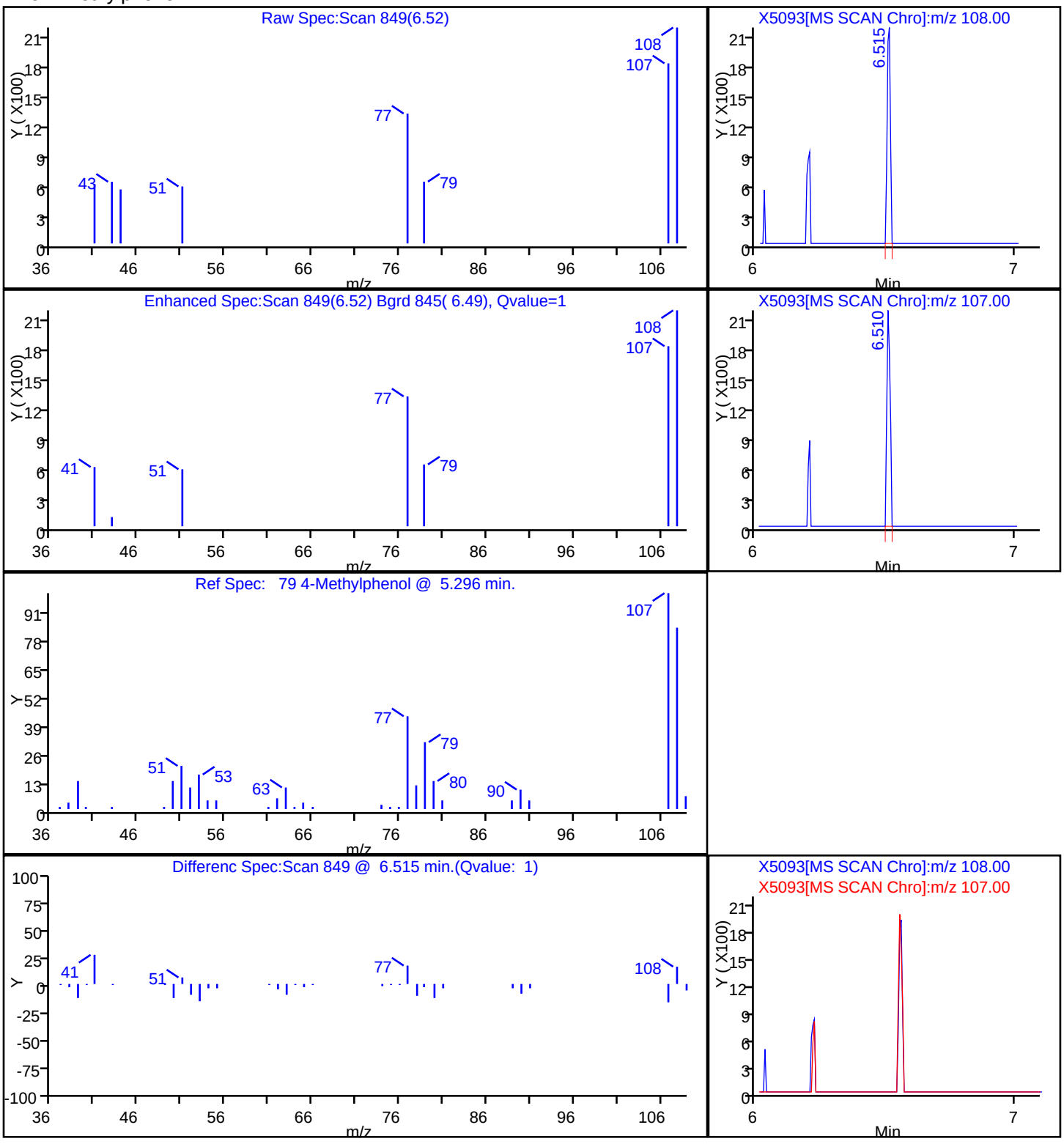


Report Date: 10-Apr-2012 10:39:26 Chrom Revision: 2.0 20-Feb-2012 13:27:02

Data File: \\Bufchrom\ChromData\HP5973X\20120409-10842.b\X5093.D

Injection Date:	09-Apr-2012 18:40:30	Limit Group:	MB - 8270C ICAL
Client ID:	RB-03 (0-6")	Instrument ID:	HP5973X
Lims Batch ID:	58786	Lims Sample ID:	6
Operator ID:	RMM	Injection Vol:	1.00 ul
Column Type:	RXI-5Sil MS	Column Dia:	0.25 mm

79 4-Methylphenol

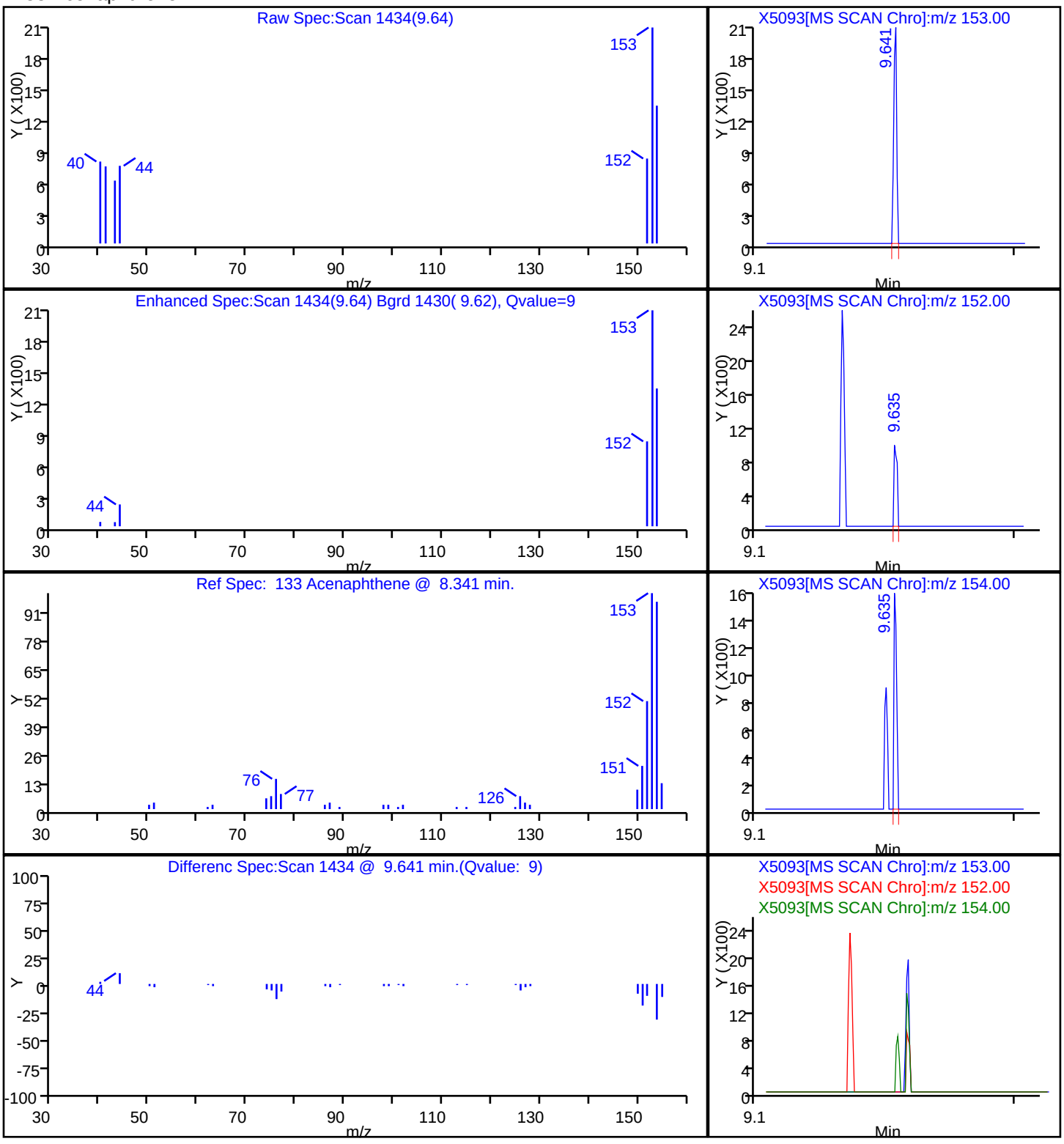


Report Date: 10-Apr-2012 10:39:26 Chrom Revision: 2.0 20-Feb-2012 13:27:02

Data File: \\Bufchrom\ChromData\HP5973X\20120409-10842.b\X5093.D

Injection Date:	09-Apr-2012 18:40:30	Limit Group:	MB - 8270C ICAL
Client ID:	RB-03 (0-6")	Instrument ID:	HP5973X
Lims Batch ID:	58786	Lims Sample ID:	6
Operator ID:	RMM	Injection Vol:	1.00 ul
Column Type:	RXI-5Sil MS	Column Dia:	0.25 mm

133 Acenaphthene

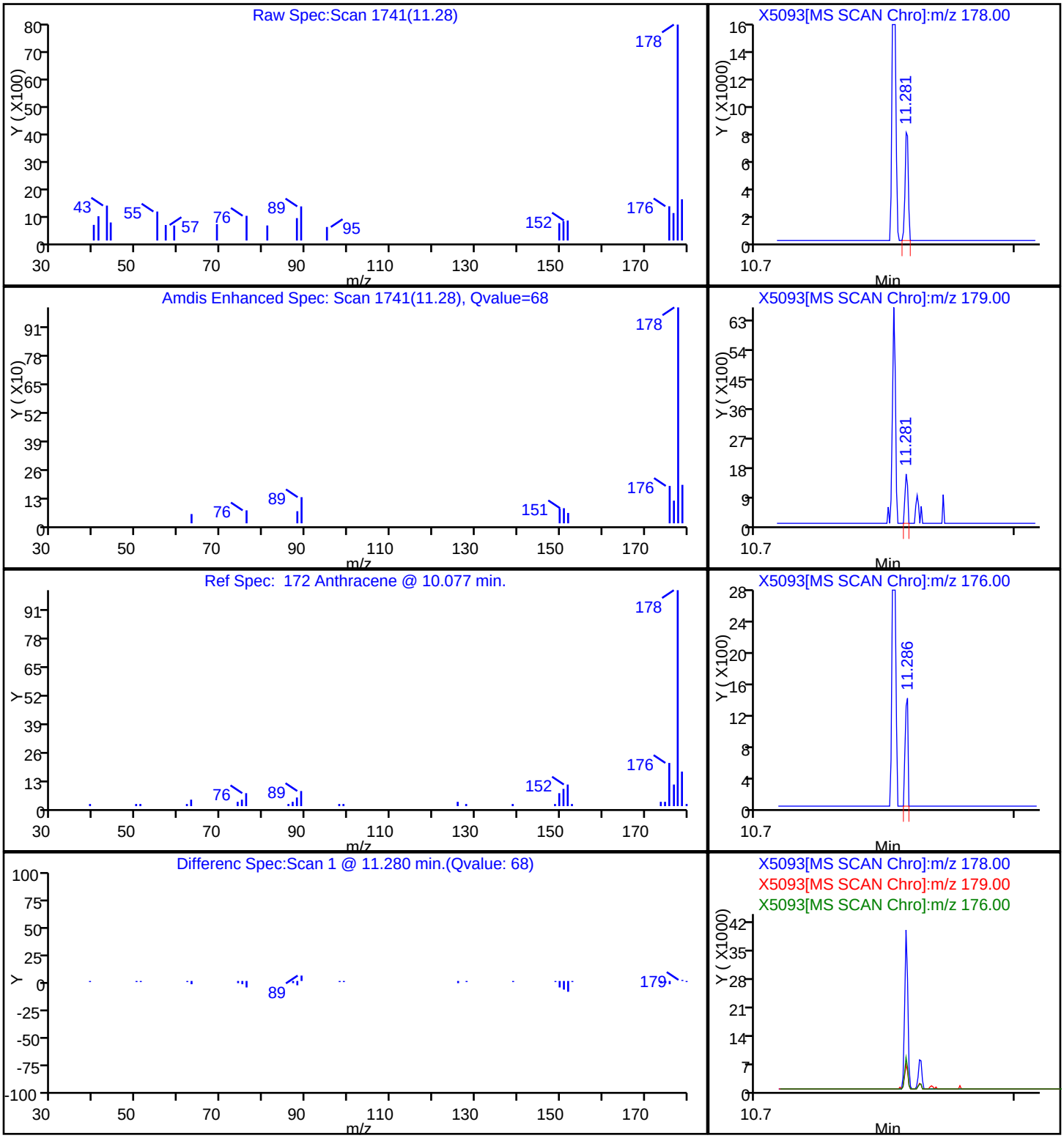


Report Date: 10-Apr-2012 10:39:26 Chrom Revision: 2.0 20-Feb-2012 13:27:02

Data File: \\Bufchrom\ChromData\HP5973X\20120409-10842.b\X5093.D

Injection Date:	09-Apr-2012 18:40:30	Limit Group:	MB - 8270C ICAL
Client ID:	RB-03 (0-6")	Instrument ID:	HP5973X
Lims Batch ID:	58786	Lims Sample ID:	6
Operator ID:	RMM	Injection Vol:	1.00 ul
Column Type:	RXI-5Sil MS	Column Dia:	0.25 mm

172 Anthracene

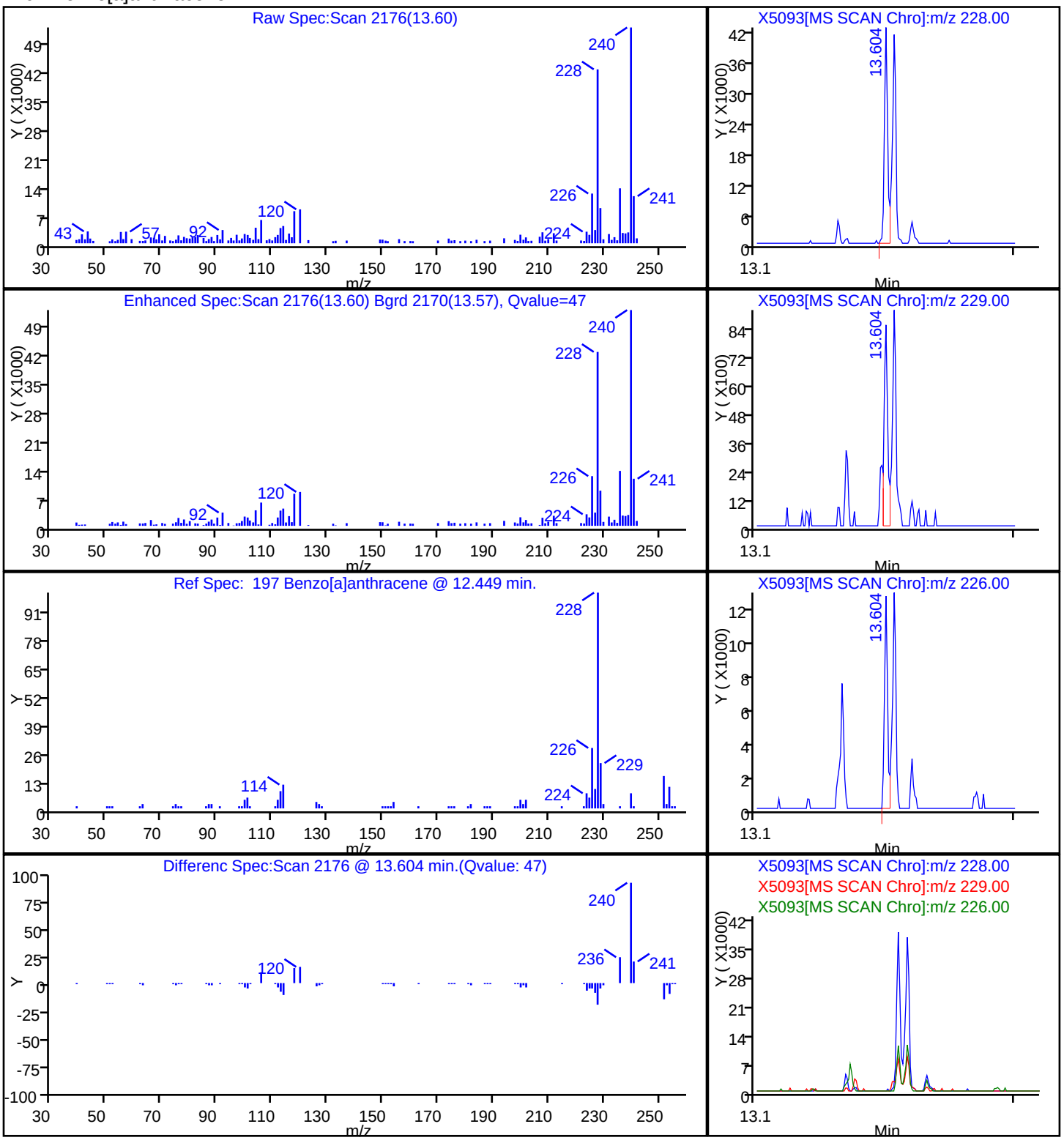


Report Date: 10-Apr-2012 10:39:26 Chrom Revision: 2.0 20-Feb-2012 13:27:02

Data File: \\Bufchrom\ChromData\HP5973X\20120409-10842.b\X5093.D

Injection Date:	09-Apr-2012 18:40:30	Limit Group:	MB - 8270C ICAL
Client ID:	RB-03 (0-6")	Instrument ID:	HP5973X
Lims Batch ID:	58786	Lims Sample ID:	6
Operator ID:	RMM	Injection Vol:	1.00 ul
Column Type:	RXI-5Sil MS	Column Dia:	0.25 mm

197 Benzo[a]anthracene

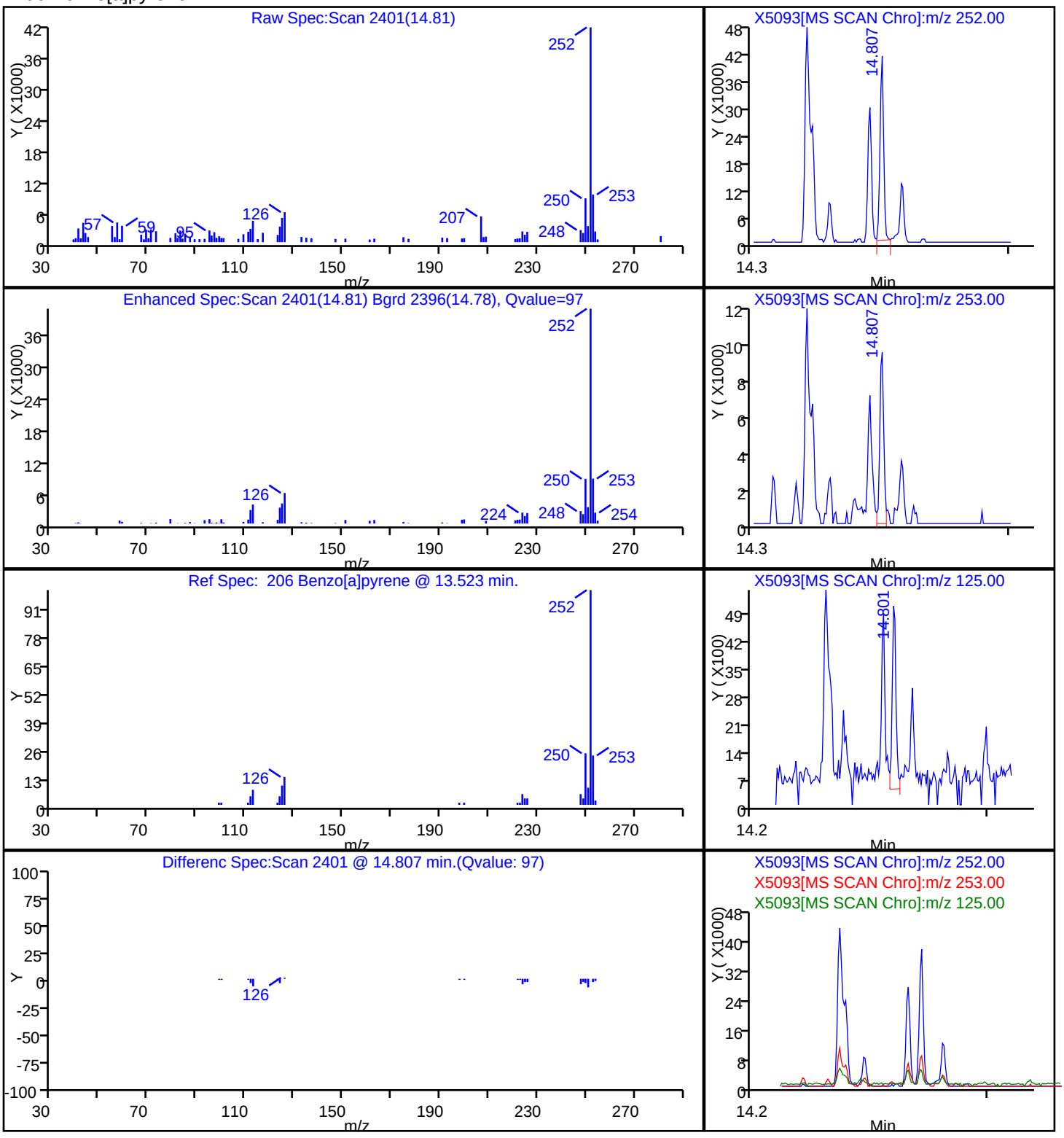


Report Date: 10-Apr-2012 10:39:26 Chrom Revision: 2.0 20-Feb-2012 13:27:02

Data File: \\Bufchrom\ChromData\HP5973X\20120409-10842.b\X5093.D

Injection Date:	09-Apr-2012 18:40:30	Limit Group:	MB - 8270C ICAL
Client ID:	RB-03 (0-6")	Instrument ID:	HP5973X
Lims Batch ID:	58786	Lims Sample ID:	6
Operator ID:	RMM	Injection Vol:	1.00 ul
Column Type:	RXI-5Sil MS	Column Dia:	0.25 mm

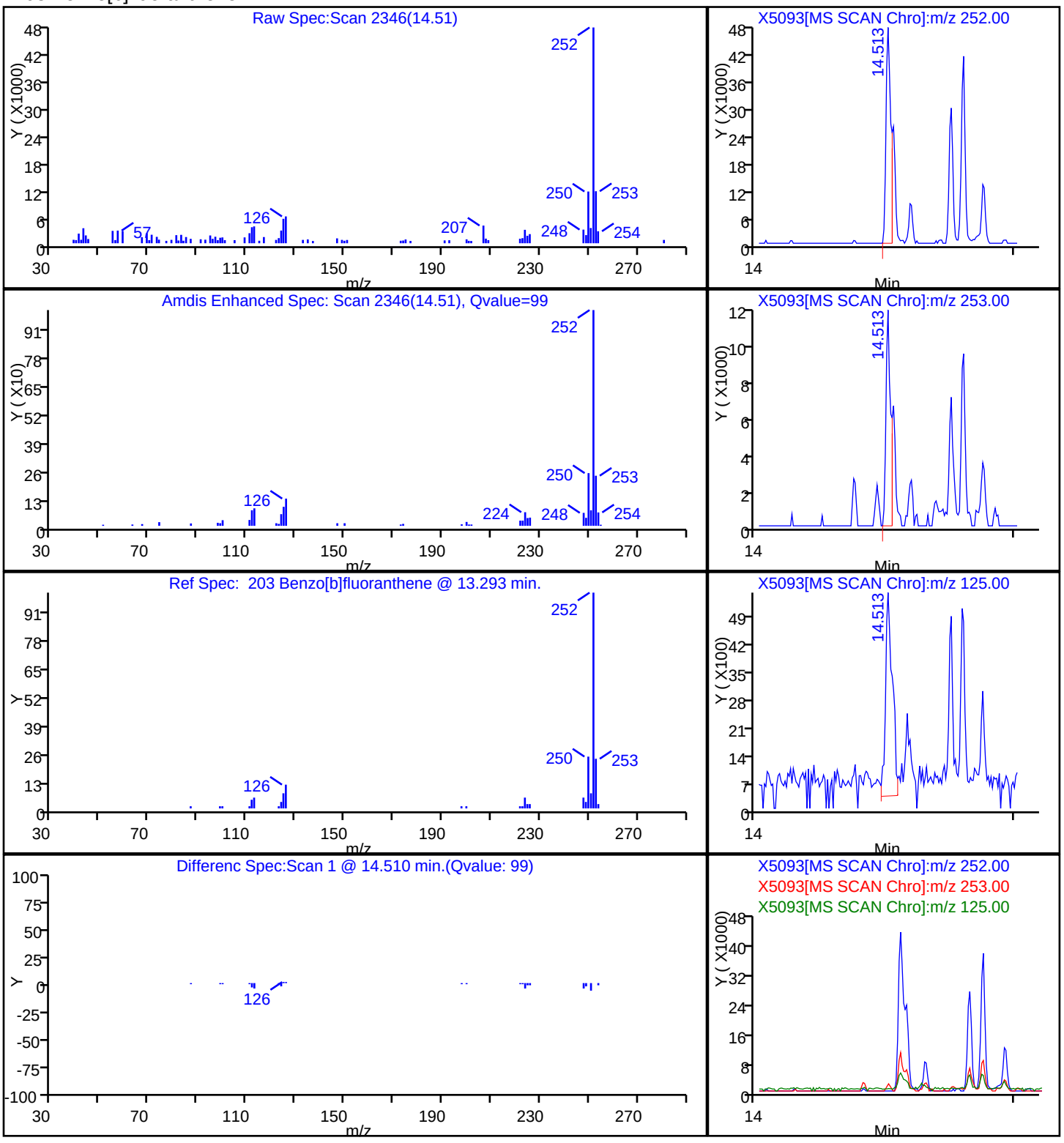
206 Benzo[a]pyrene



Report Date: 10-Apr-2012 10:39:26 Chrom Revision: 2.0 20-Feb-2012 13:27:02

Data File:	\\Bufchrom\ChromData\HP5973X\20120409-10842.b\X5093.D		
Injection Date:	09-Apr-2012 18:40:30	Limit Group:	MB - 8270C ICAL
Client ID:	RB-03 (0-6")	Instrument ID:	HP5973X
Lims Batch ID:	58786	Lims Sample ID:	6
Operator ID:	RMM	Injection Vol:	1.00 ul
Column Type:	RXI-5Sil MS	Column Dia:	0.25 mm

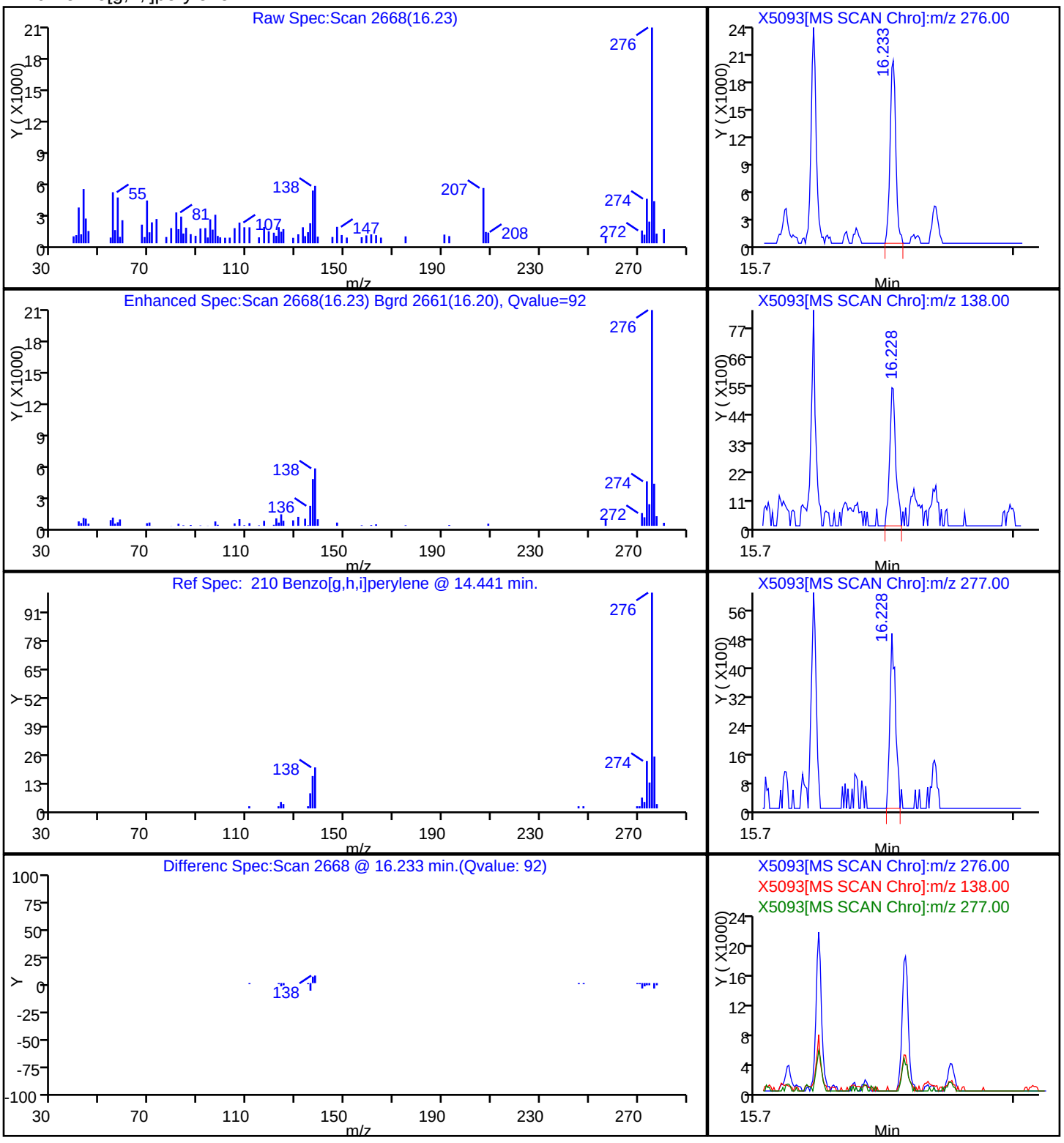
203 Benzo[b]fluoranthene



Report Date: 10-Apr-2012 10:39:26 Chrom Revision: 2.0 20-Feb-2012 13:27:02

Data File:	\\Bufchrom\ChromData\HP5973X\20120409-10842.b\X5093.D		
Injection Date:	09-Apr-2012 18:40:30	Limit Group:	MB - 8270C ICAL
Client ID:	RB-03 (0-6")	Instrument ID:	HP5973X
Lims Batch ID:	58786	Lims Sample ID:	6
Operator ID:	RMM	Injection Vol:	1.00 ul
Column Type:	RXI-5Sil MS	Column Dia:	0.25 mm

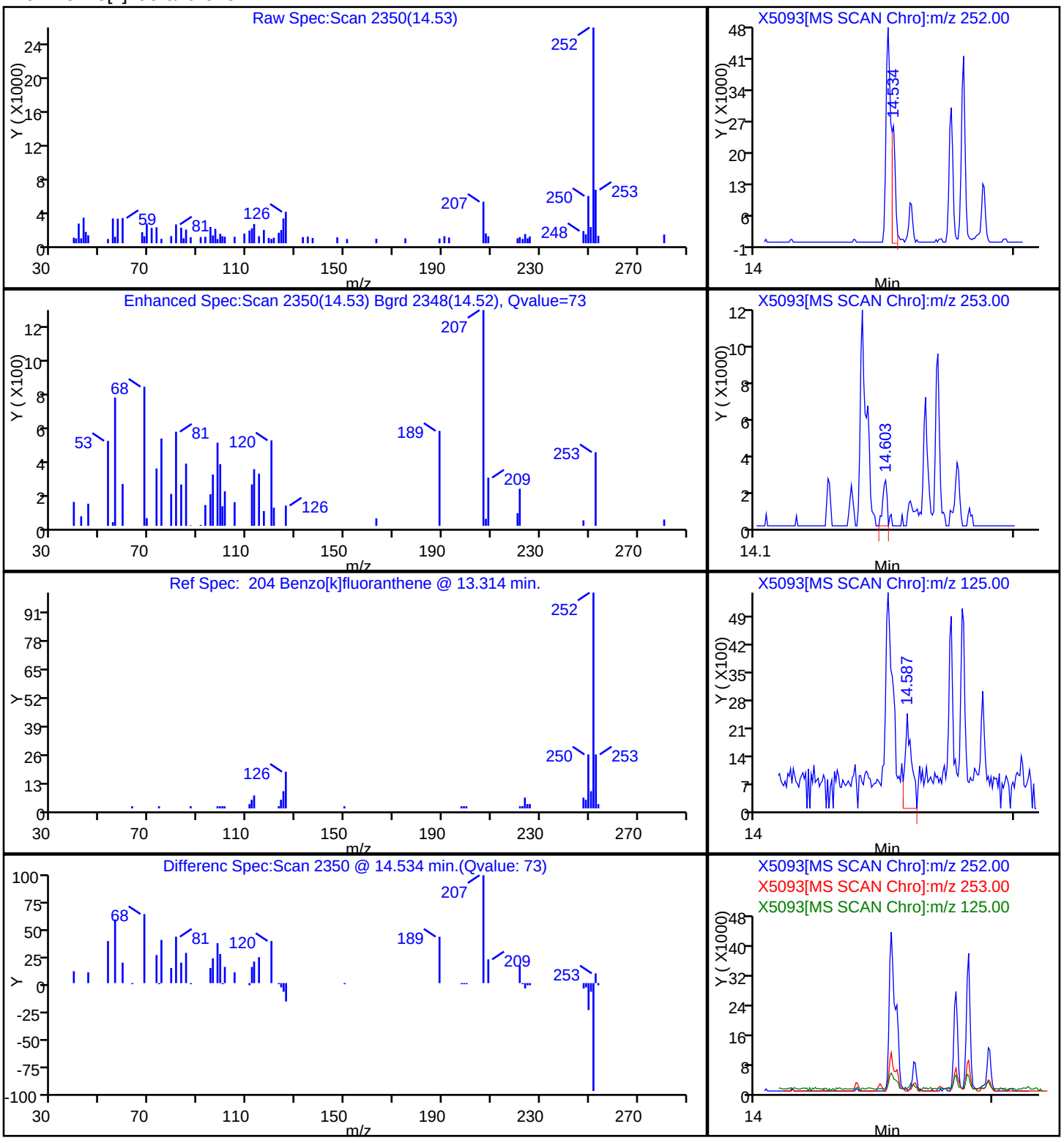
210 Benzo[g,h,i]perylene



Report Date: 10-Apr-2012 10:39:26 Chrom Revision: 2.0 20-Feb-2012 13:27:02

Data File:	\\Bufchrom\ChromData\HP5973X\20120409-10842.b\X5093.D		
Injection Date:	09-Apr-2012 18:40:30	Limit Group:	MB - 8270C ICAL
Client ID:	RB-03 (0-6")	Instrument ID:	HP5973X
Lims Batch ID:	58786	Lims Sample ID:	6
Operator ID:	RMM	Injection Vol:	1.00 ul
Column Type:	RXI-5Sil MS	Column Dia:	0.25 mm

204 Benzo[k]fluoranthene

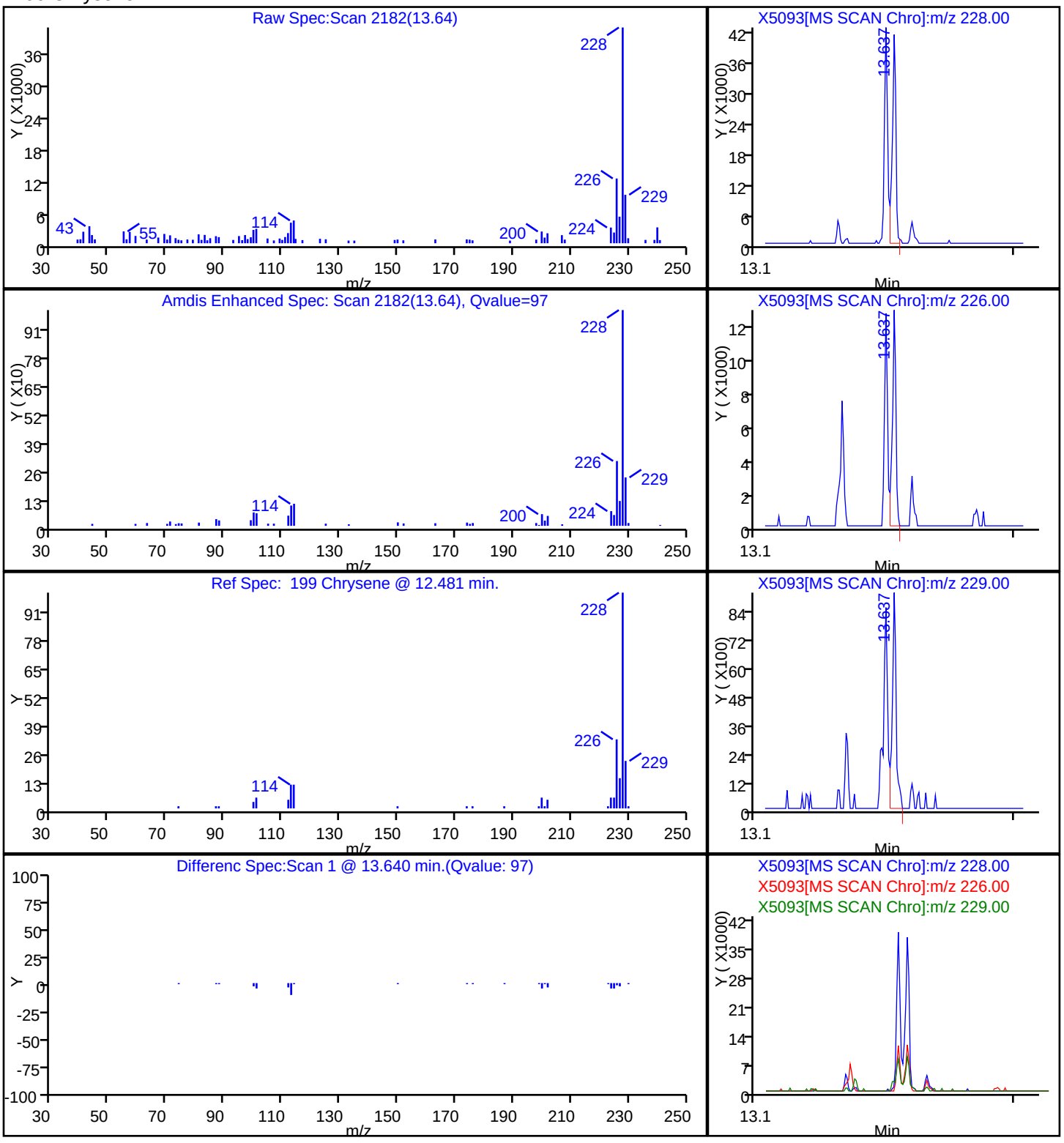


Report Date: 10-Apr-2012 10:39:26 Chrom Revision: 2.0 20-Feb-2012 13:27:02

Data File: \\Bufchrom\ChromData\HP5973X\20120409-10842.b\X5093.D

Injection Date:	09-Apr-2012 18:40:30	Limit Group:	MB - 8270C ICAL
Client ID:	RB-03 (0-6")	Instrument ID:	HP5973X
Lims Batch ID:	58786	Lims Sample ID:	6
Operator ID:	RMM	Injection Vol:	1.00 ul
Column Type:	RXI-5Sil MS	Column Dia:	0.25 mm

199 Chrysene

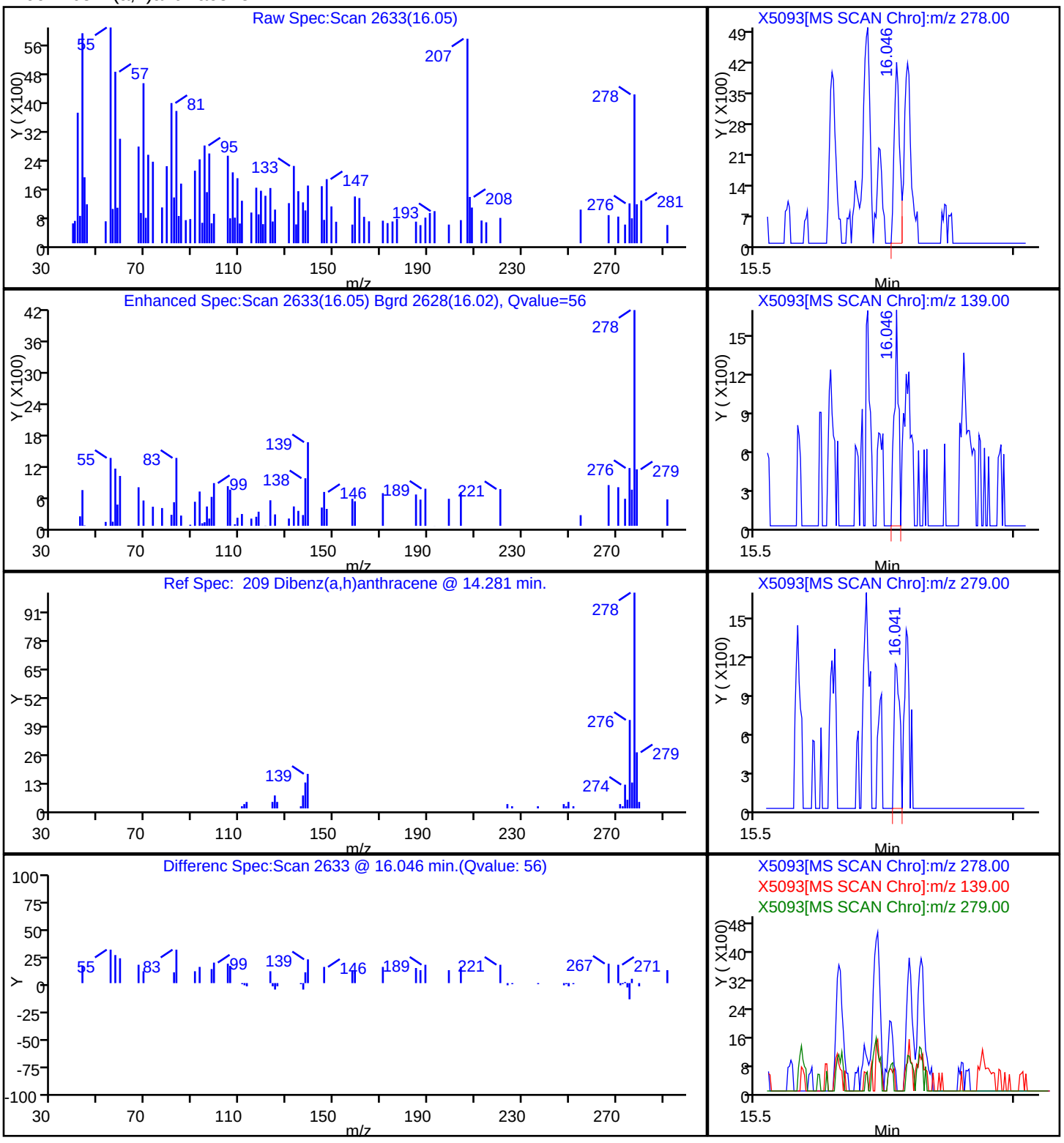


Report Date: 10-Apr-2012 10:39:26 Chrom Revision: 2.0 20-Feb-2012 13:27:02

Data File: \\Bufchrom\ChromData\HP5973X\20120409-10842.b\X5093.D

Injection Date:	09-Apr-2012 18:40:30	Limit Group:	MB - 8270C ICAL
Client ID:	RB-03 (0-6")	Instrument ID:	HP5973X
Lims Batch ID:	58786	Lims Sample ID:	6
Operator ID:	RMM	Injection Vol:	1.00 ul
Column Type:	RXI-5Sil MS	Column Dia:	0.25 mm

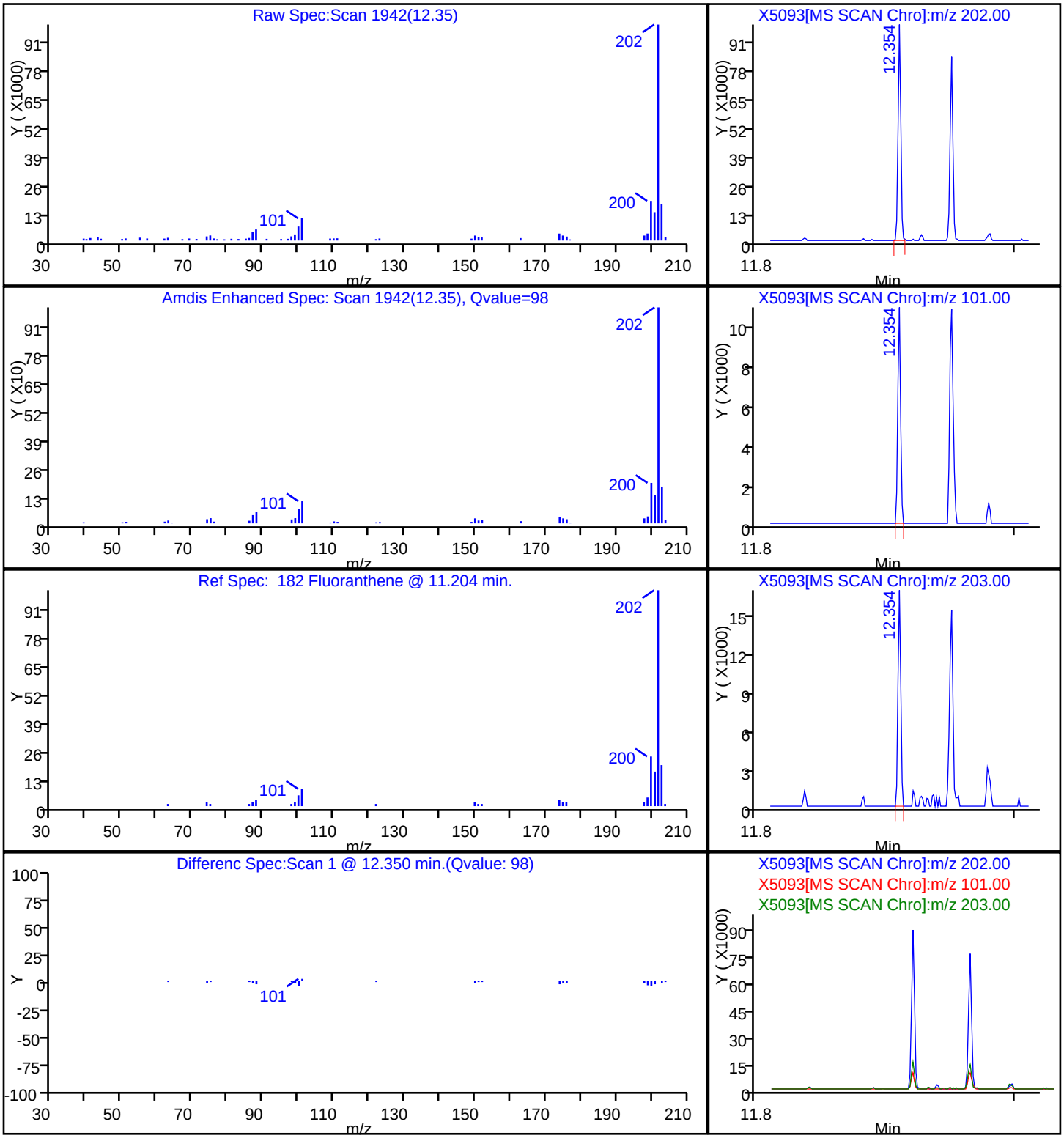
209 Dibenz(a,h)anthracene



Report Date: 10-Apr-2012 10:39:26 Chrom Revision: 2.0 20-Feb-2012 13:27:02

Data File:	\\Bufchrom\ChromData\HP5973X\20120409-10842.b\X5093.D		
Injection Date:	09-Apr-2012 18:40:30	Limit Group:	MB - 8270C ICAL
Client ID:	RB-03 (0-6")	Instrument ID:	HP5973X
Lims Batch ID:	58786	Lims Sample ID:	6
Operator ID:	RMM	Injection Vol:	1.00 ul
Column Type:	RXI-5Sil MS	Column Dia:	0.25 mm

182 Fluoranthene

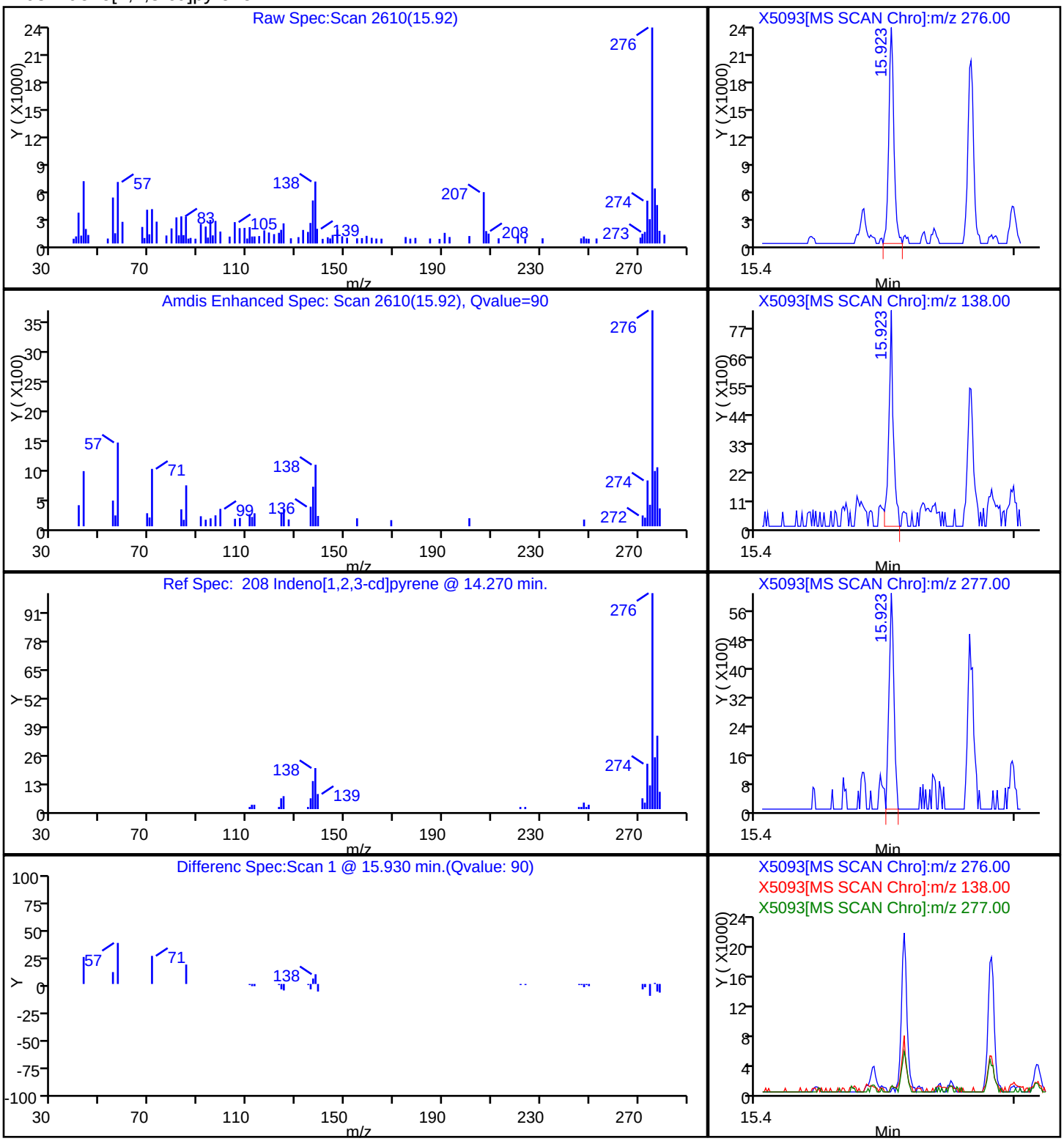


Report Date: 10-Apr-2012 10:39:26 Chrom Revision: 2.0 20-Feb-2012 13:27:02

Data File: \\Bufchrom\ChromData\HP5973X\20120409-10842.b\X5093.D

Injection Date:	09-Apr-2012 18:40:30	Limit Group:	MB - 8270C ICAL
Client ID:	RB-03 (0-6")	Instrument ID:	HP5973X
Lims Batch ID:	58786	Lims Sample ID:	6
Operator ID:	RMM	Injection Vol:	1.00 ul
Column Type:	RXI-5Sil MS	Column Dia:	0.25 mm

208 Indeno[1,2,3-cd]pyrene

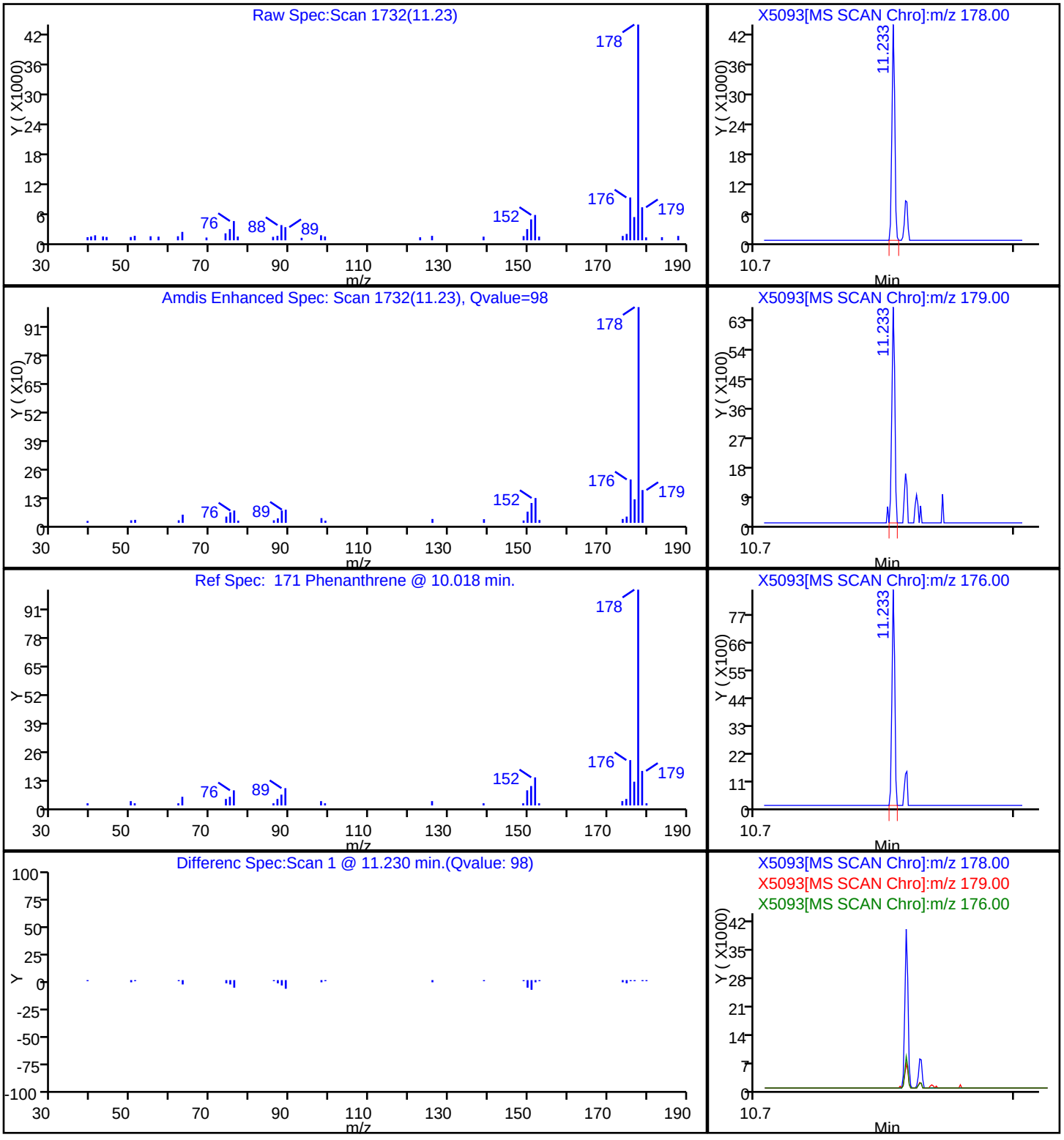


Report Date: 10-Apr-2012 10:39:26 Chrom Revision: 2.0 20-Feb-2012 13:27:02

Data File: \\Bufchrom\ChromData\HP5973X\20120409-10842.b\X5093.D

Injection Date:	09-Apr-2012 18:40:30	Limit Group:	MB - 8270C ICAL
Client ID:	RB-03 (0-6")	Instrument ID:	HP5973X
Lims Batch ID:	58786	Lims Sample ID:	6
Operator ID:	RMM	Injection Vol:	1.00 ul
Column Type:	RXI-5Sil MS	Column Dia:	0.25 mm

171 Phenanthrene



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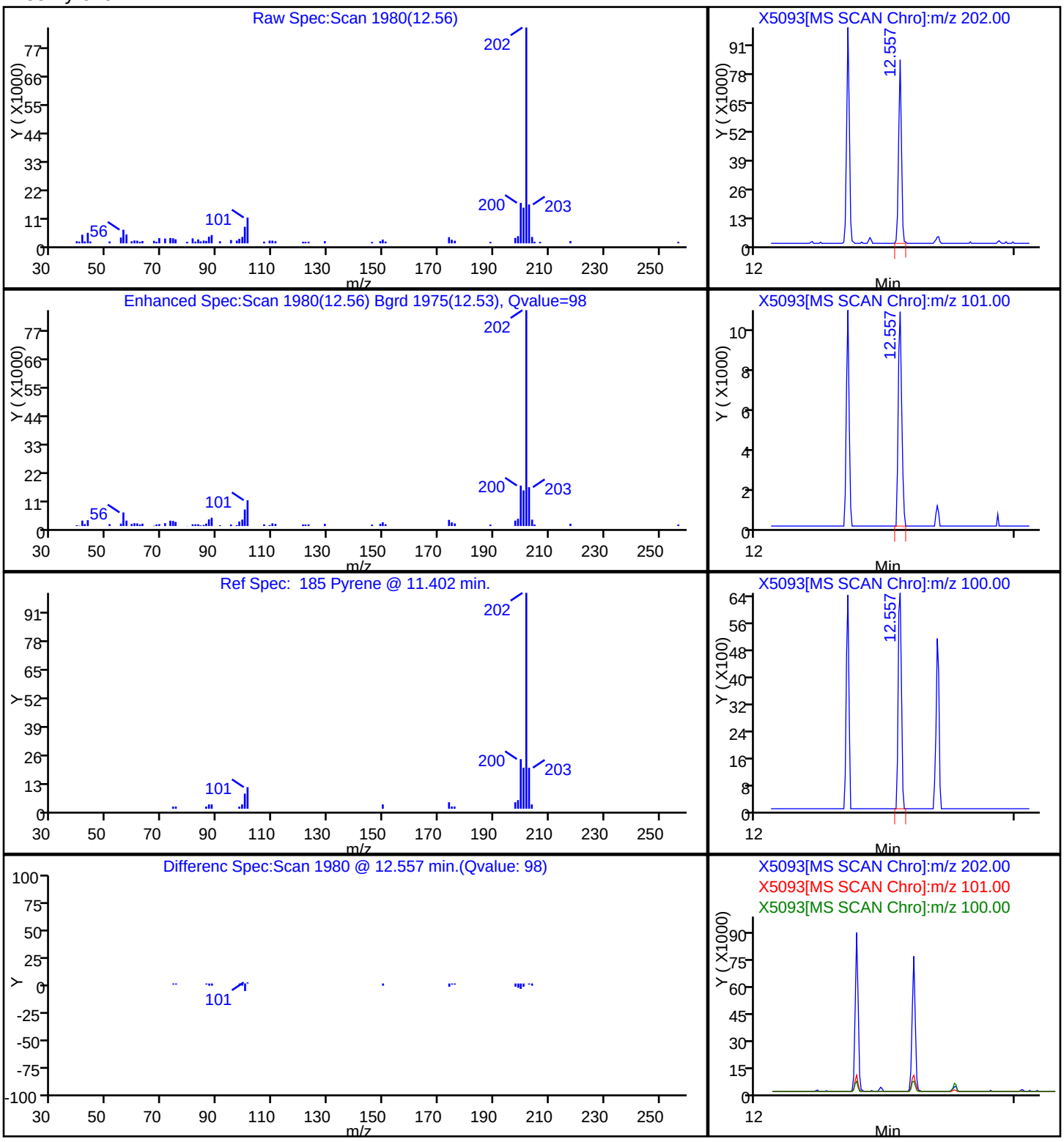
Injection Date:	09-Apr-2012 18:40:30	Limit Group:	MB - 8270C ICAL
Client ID:	RB-03 (0-6")	Instrument ID:	HP5973X
Lims Batch ID:	58786	Lims Sample ID:	6
Operator ID:	RMM	Injection Vol:	1.00 ul
Column Type:	RXI-5Sil MS	Column Dia:	0.25 mm

185 Pyrene



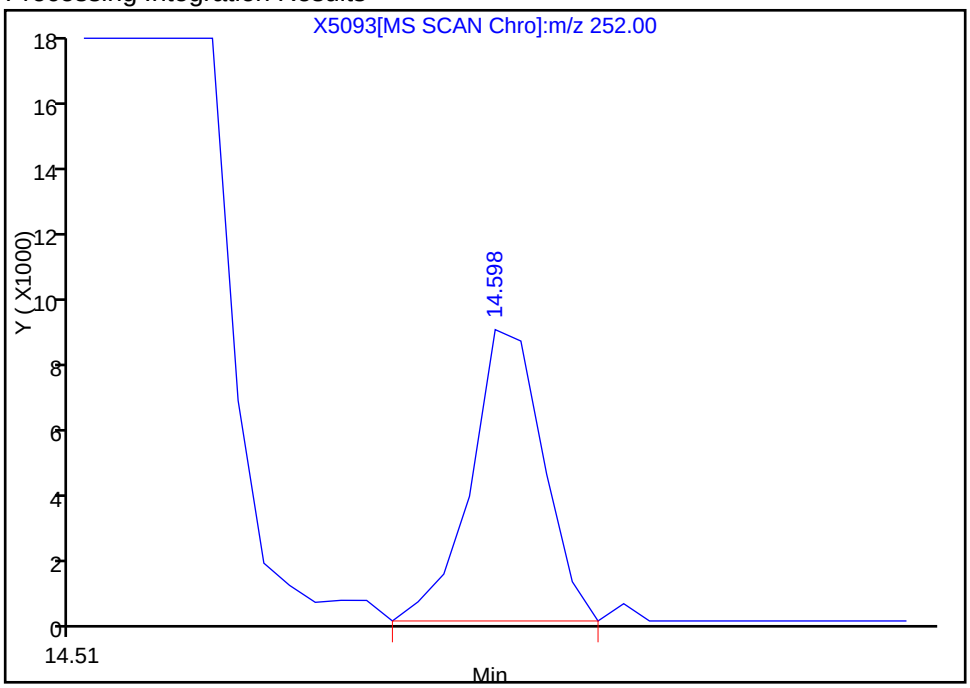
Manual Integration/User Assign Peak Report

Data File:	\\Bufchrom\ChromData\HP5973X\20120409-10842.b\X5093.D		
Injection Date:	09-Apr-2012 18:40:30	Limit Group:	MB - 8270C ICAL
Client ID:	RB-03 (0-6")	Instrument ID:	HP5973X
Lims Batch ID:	58786	Lims Sample ID:	6
Operator ID:	RMM	Injection Vol:	1.00 ul
Column Type:	RXI-5Sil MS	Column Dia:	0.25 mm

204 Benzo[k]fluoranthene, Signal: 1, m/z: 252.0 Type: quant, RT: 14.55

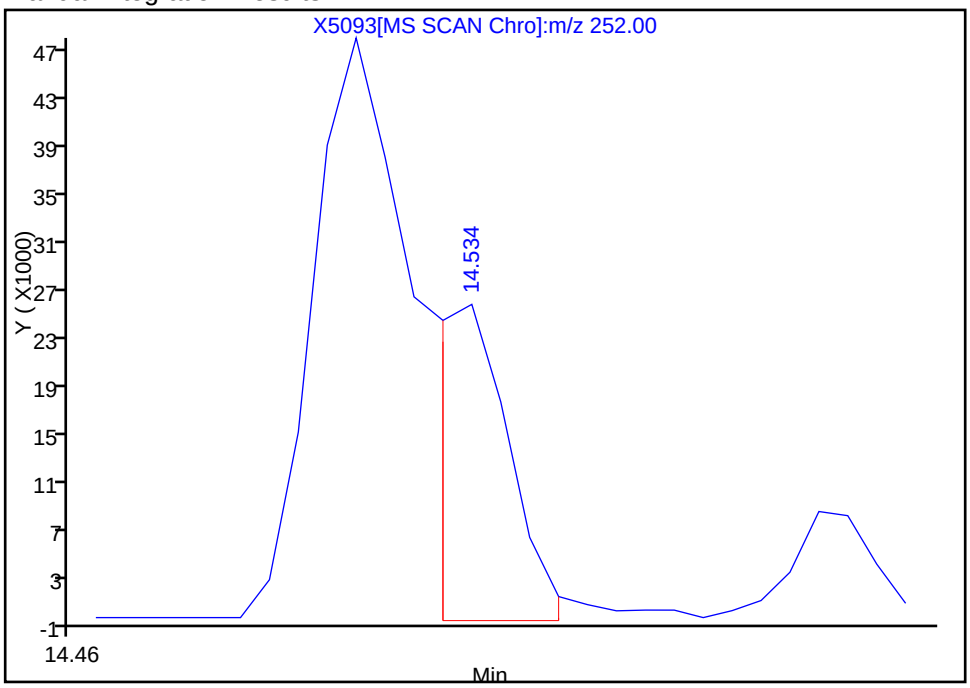
Processing Integration Results

RT: 14.60
Response: 9144
Amount: 0.720484



Manual Integration Results

RT: 14.53
Response: 24962
Amount: 1.966833

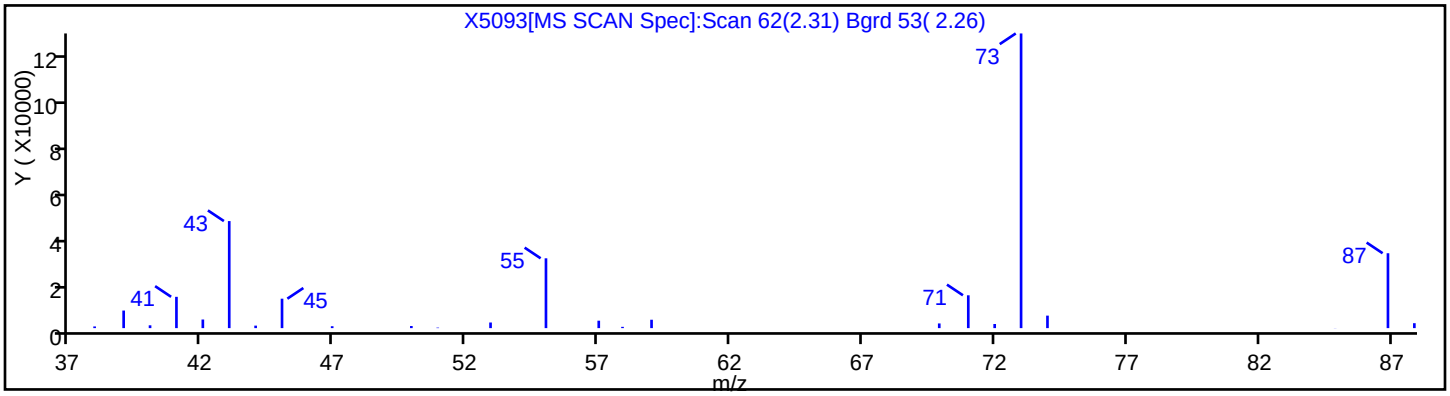


Reviewer: mckernar, 10-Apr-2012 10:39:25
Audit Action: Manually Integrated
Audit Reason: Assign Peak

Report Date: 10-Apr-2012 10:39:26 Chrom Revision: 2.0 20-Feb-2012 13:27:02

Data File:	\\Bufchrom\ChromData\HP5973X\20120409-10842.b\X5093.D		
Injection Date:	09-Apr-2012 18:40:30	Limit Group:	MB - 8270C ICAL
Client ID:	RB-03 (0-6")	Instrument ID:	HP5973X
Lims Batch ID:	58786	Lims Sample ID:	6
Operator ID:	RMM	Injection Vol:	1.00 ul
Column Type:	RXI-5Sil MS	Column Dia:	0.25 mm

No Library Matches Found above the Threshold: 85



Report Date: 10-Apr-2012 10:39:26 Chrom Revision: 2.0 20-Feb-2012 13:27:02

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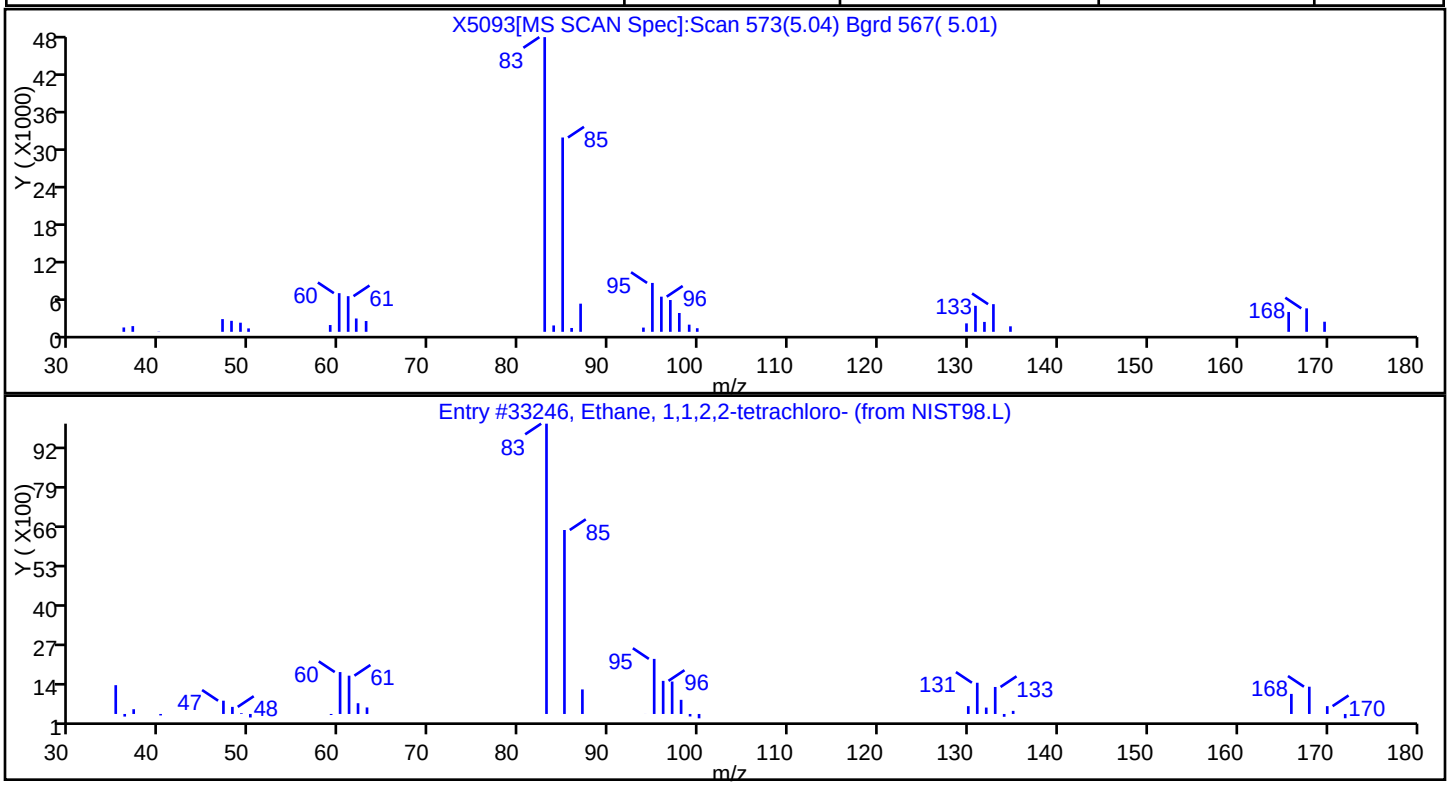
Injection Date:	09-Apr-2012 18:40:30	Limit Group:	MB - 8270C ICAL
Client ID:	RB-03 (0-6")	Instrument ID:	HP5973X
Lims Batch ID:	58786	Lims Sample ID:	6
Operator ID:	RMM	Injection Vol:	1.00 ul
Column Type:	RXI-5Sil MS	Column Dia:	0.25 mm

Library Search Compound Match	CAS Number	Library	Entry	Quality
Ethane, 1,1,2,2-tetrachloro-	79-34-5	NIST98.L	33246	94



Report Date: 10-Apr-2012 10:39:26 Chrom Revision: 2.0 20-Feb-2012 13:27:02

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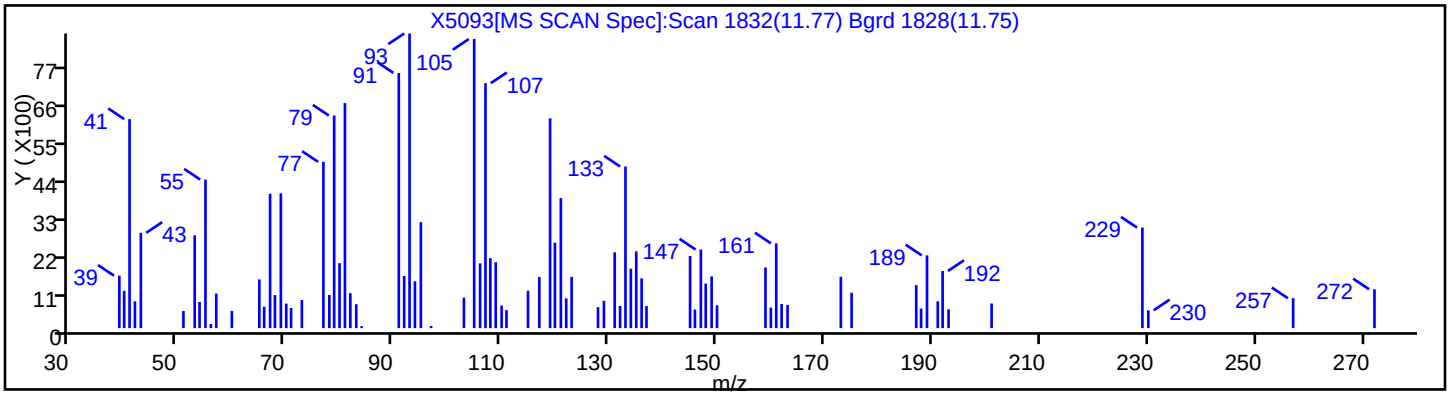
Injection Date:	09-Apr-2012 18:40:30	Limit Group:	MB - 8270C ICAL
Client ID:	RB-03 (0-6")	Instrument ID:	HP5973X
Lims Batch ID:	58786	Lims Sample ID:	6
Operator ID:	RMM	Injection Vol:	1.00 ul
Column Type:	RXI-5Sil MS	Column Dia:	0.25 mm

No Library Matches Found above the Threshold: 85

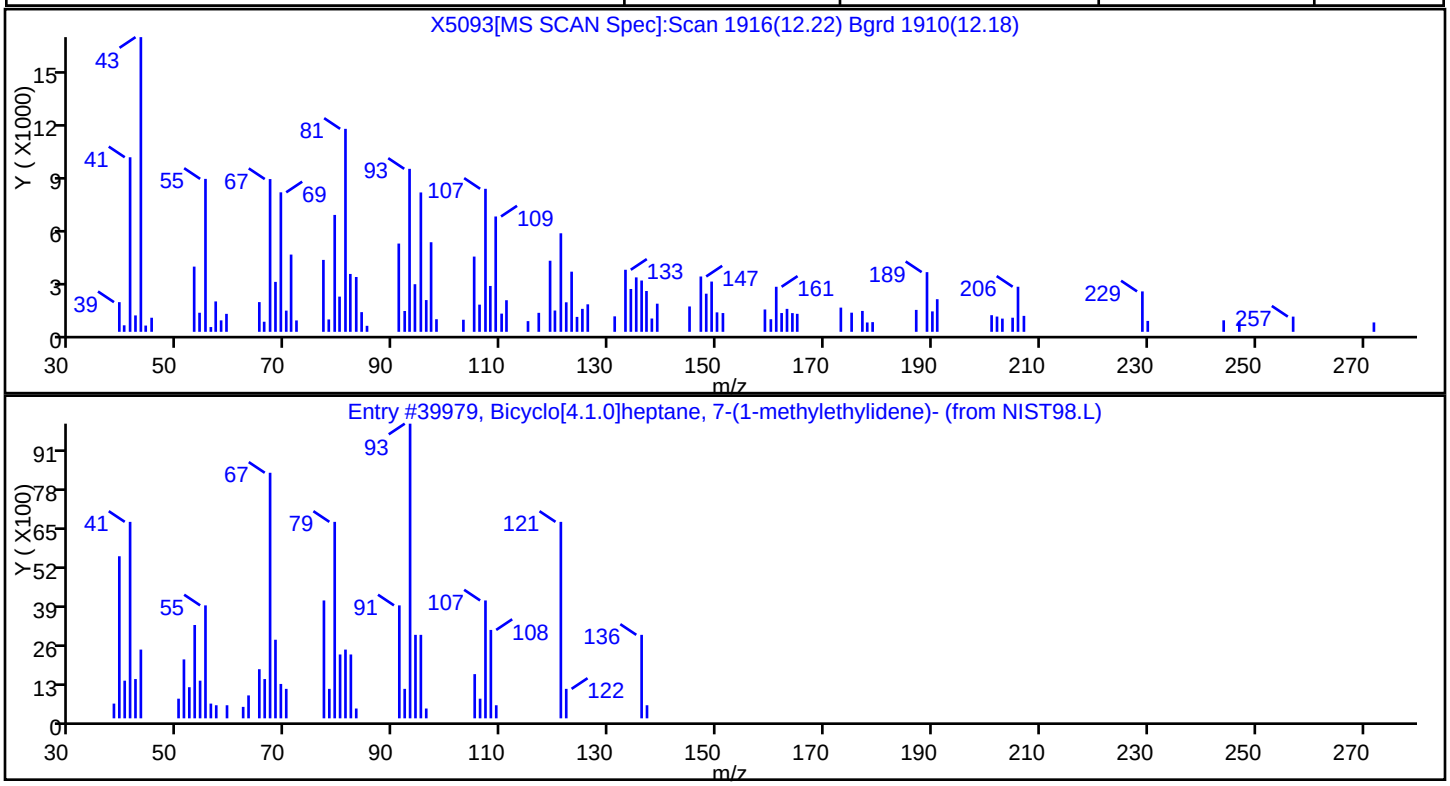


Report Date: 10-Apr-2012 10:39:26 Chrom Revision: 2.0 20-Feb-2012 13:27:02

Data File: \\Bufchrom\ChromData\HP5973X\20120409-10842.b\X5093.D

Injection Date:	09-Apr-2012 18:40:30	Limit Group:	MB - 8270C ICAL
Client ID:	RB-03 (0-6")	Instrument ID:	HP5973X
Lims Batch ID:	58786	Lims Sample ID:	6
Operator ID:	RMM	Injection Vol:	1.00 ul
Column Type:	RXI-5Sil MS	Column Dia:	0.25 mm

Library Search Compound Match	CAS Number	Library	Entry	Quality
Bicyclo[4.1.0]heptane, 7-(1-methylethyli	53282-47-6	NIST98.L	39979	90



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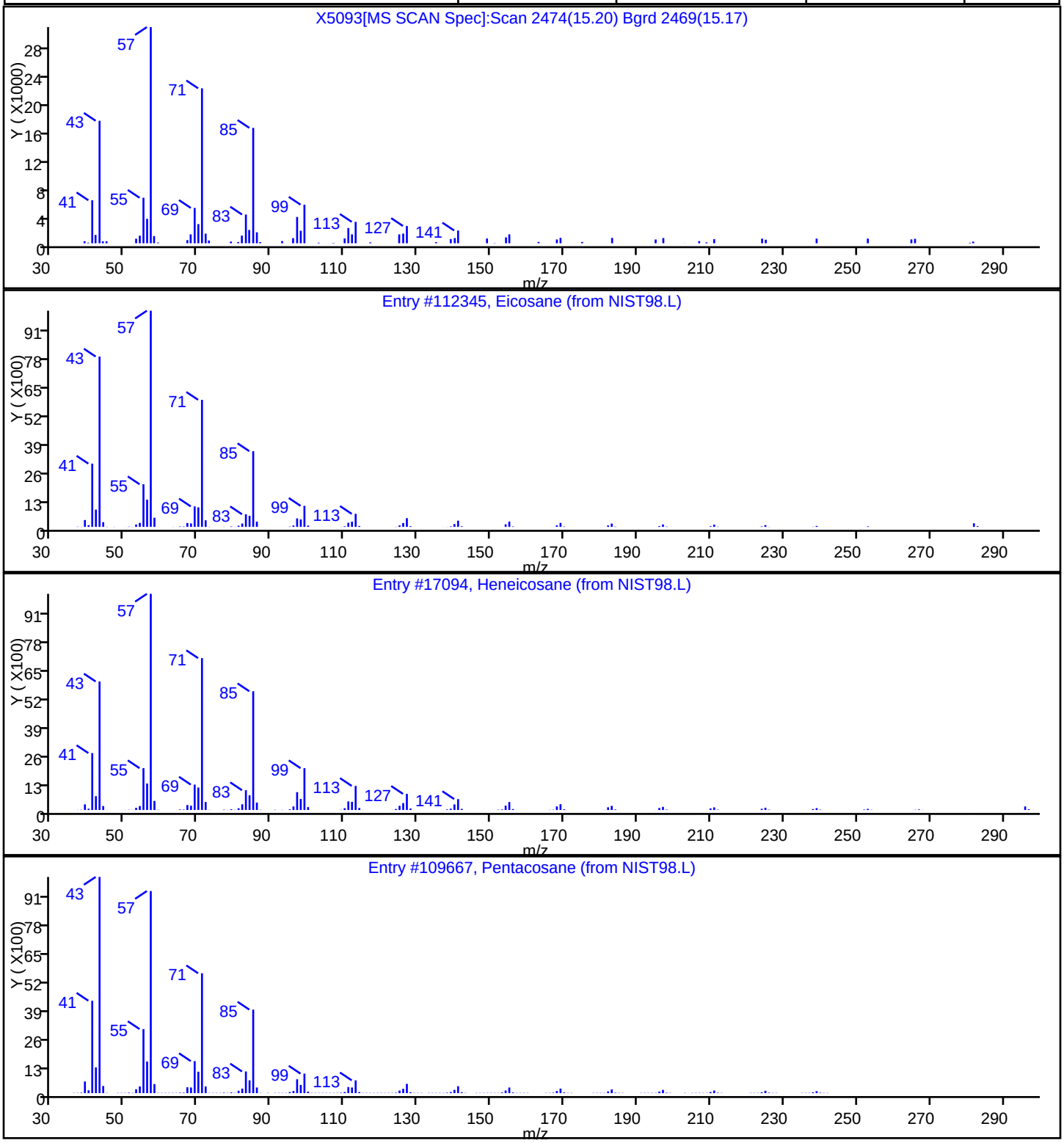
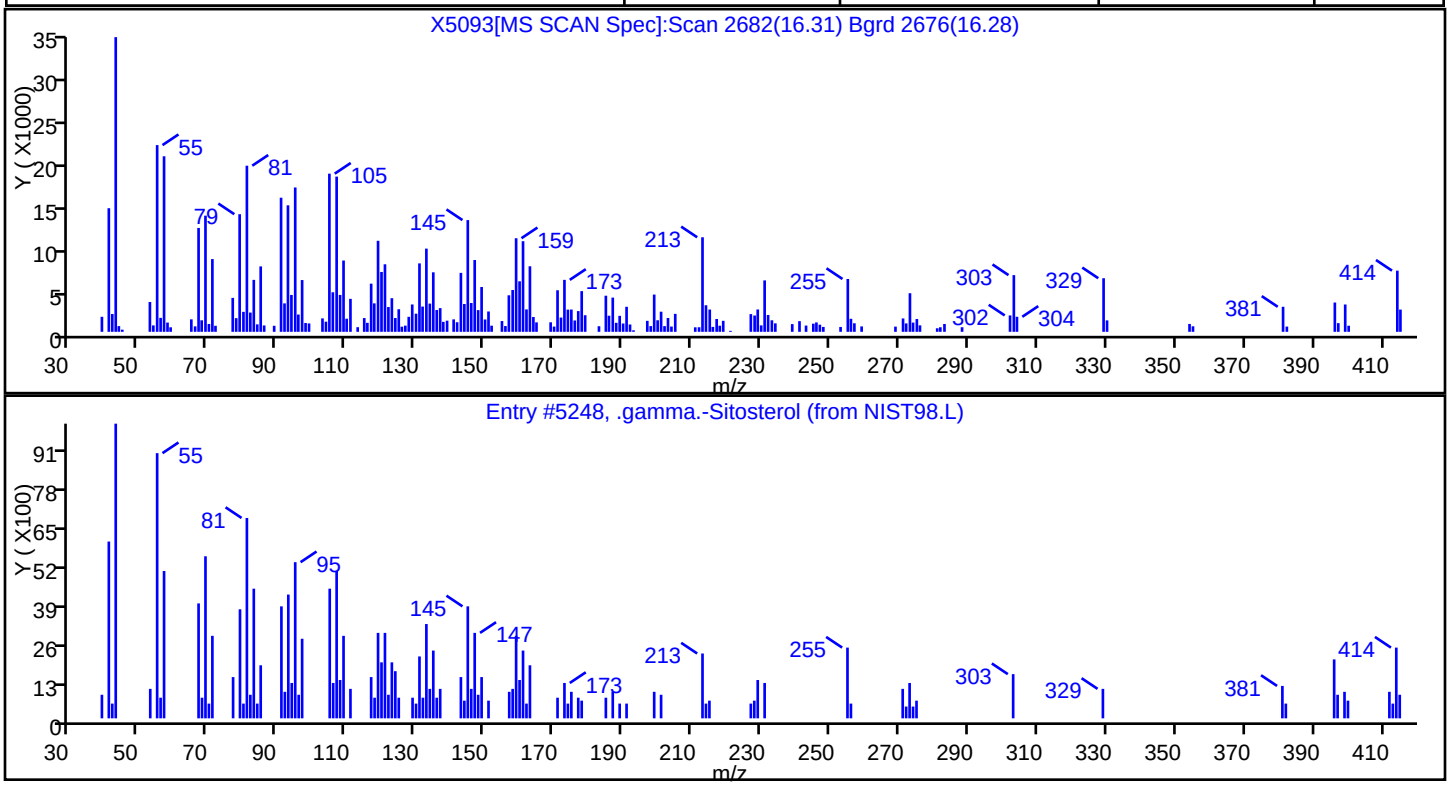
Data File: \\Bufchrom\ChromData\HP5973X\20120409-10842.b\X5093.D
Injection Date: 09-Apr-2012 18:40:30 Limit Group: MB - 8270C ICAL
Client ID: RB-03 (0-6") Instrument ID: HP5973X
Lims Batch ID: 58786 Lims Sample ID: 6
Operator ID: RMM Injection Vol: 1.00 ul
Column Type: RXI-5Sil MS Column Dia: 0.25 mm

Library Search Compound Match	CAS Number	Library	Entry	Quality
Eicosane	112-95-8	NIST98.L	112345	95
Heneicosane	629-94-7	NIST98.L	17094	91
Pentacosane	629-99-2	NIST98.L	109667	91



Report Date: 10-Apr-2012 10:39:26 Chrom Revision: 2.0 20-Feb-2012 13:27:02
Data File: \\Bufchrom\ChromData\HP5973X\20120409-10842.b\X5093.D
Injection Date: 09-Apr-2012 18:40:30 Limit Group: MB - 8270C ICAL
Client ID: RB-03 (0-6") Instrument ID: HP5973X
Lims Batch ID: 58786 Lims Sample ID: 6
Operator ID: RMM Injection Vol: 1.00 ul
Column Type: RXI-5Sil MS Column Dia: 0.25 mm

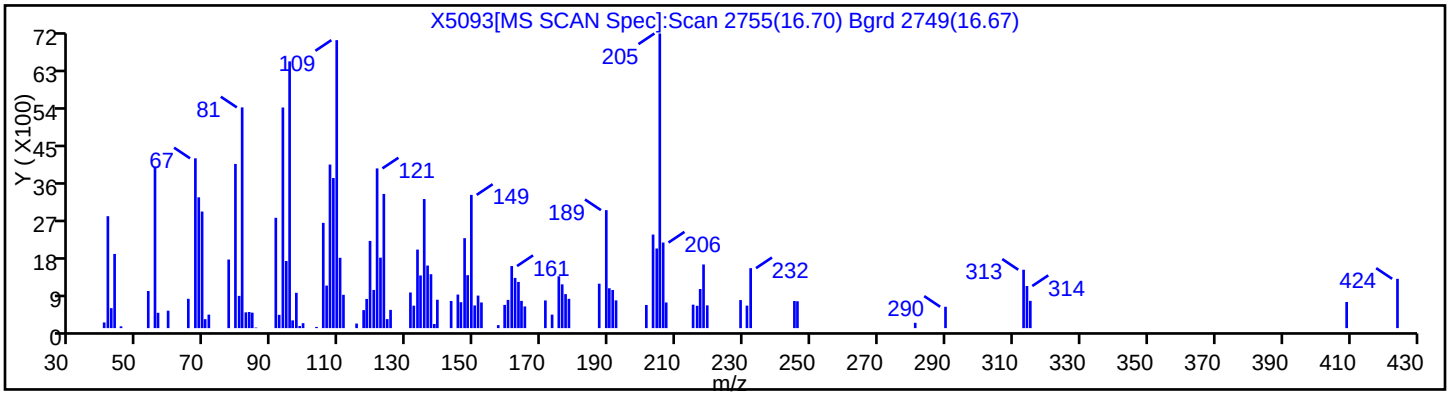
Library Search Compound Match	CAS Number	Library	Entry	Quality
.gamma.-Sitosterol	83-47-6	NIST98.L	5248	89



Report Date: 10-Apr-2012 10:39:26 Chrom Revision: 2.0 20-Feb-2012 13:27:02

Data File:	\\Bufchrom\ChromData\HP5973X\20120409-10842.b\X5093.D		
Injection Date:	09-Apr-2012 18:40:30	Limit Group:	MB - 8270C ICAL
Client ID:	RB-03 (0-6")	Instrument ID:	HP5973X
Lims Batch ID:	58786	Lims Sample ID:	6
Operator ID:	RMM	Injection Vol:	1.00 ul
Column Type:	RXI-5Sil MS	Column Dia:	0.25 mm

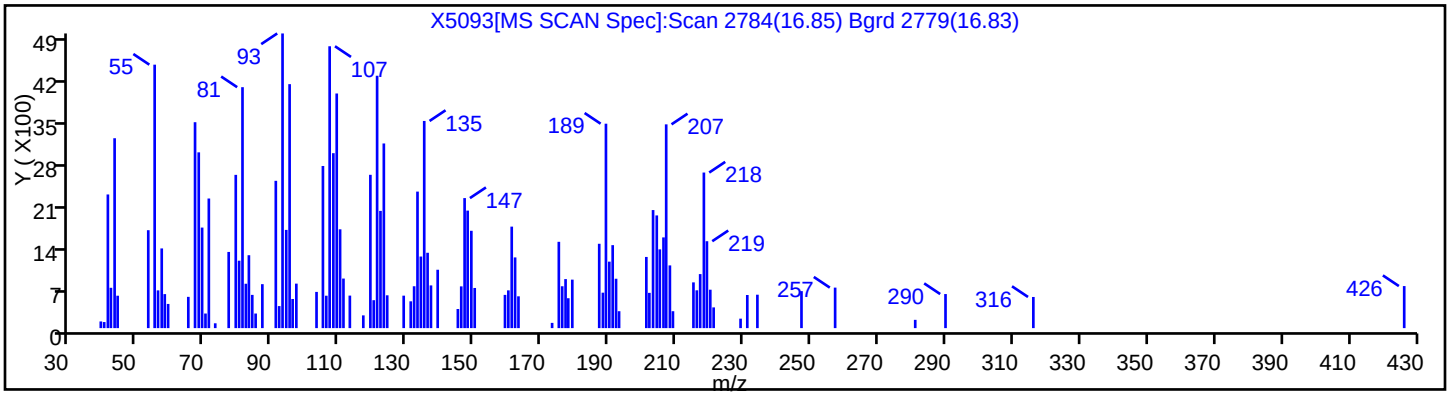
No Library Matches Found above the Threshold: 85



Report Date: 10-Apr-2012 10:39:26 Chrom Revision: 2.0 20-Feb-2012 13:27:02

Data File:	\\Bufchrom\ChromData\HP5973X\20120409-10842.b\X5093.D		
Injection Date:	09-Apr-2012 18:40:30	Limit Group:	MB - 8270C ICAL
Client ID:	RB-03 (0-6")	Instrument ID:	HP5973X
Lims Batch ID:	58786	Lims Sample ID:	6
Operator ID:	RMM	Injection Vol:	1.00 ul
Column Type:	RXI-5Sil MS	Column Dia:	0.25 mm

No Library Matches Found above the Threshold: 85



Report Date: 10-Apr-2012 10:39:26 Chrom Revision: 2.0 20-Feb-2012 13:27:02

Data File: \\Bufchrom\ChromData\HP5973X\20120409-10842.b\X5093.D

Injection Date:	09-Apr-2012 18:40:30	Limit Group:	MB - 8270C ICAL
Client ID:	RB-03 (0-6")	Instrument ID:	HP5973X
Lims Batch ID:	58786	Lims Sample ID:	6
Operator ID:	RMM	Injection Vol:	1.00 ul
Column Type:	RXI-5Sil MS	Column Dia:	0.25 mm

Library Search Compound Match	CAS Number	Library	Entry	Quality
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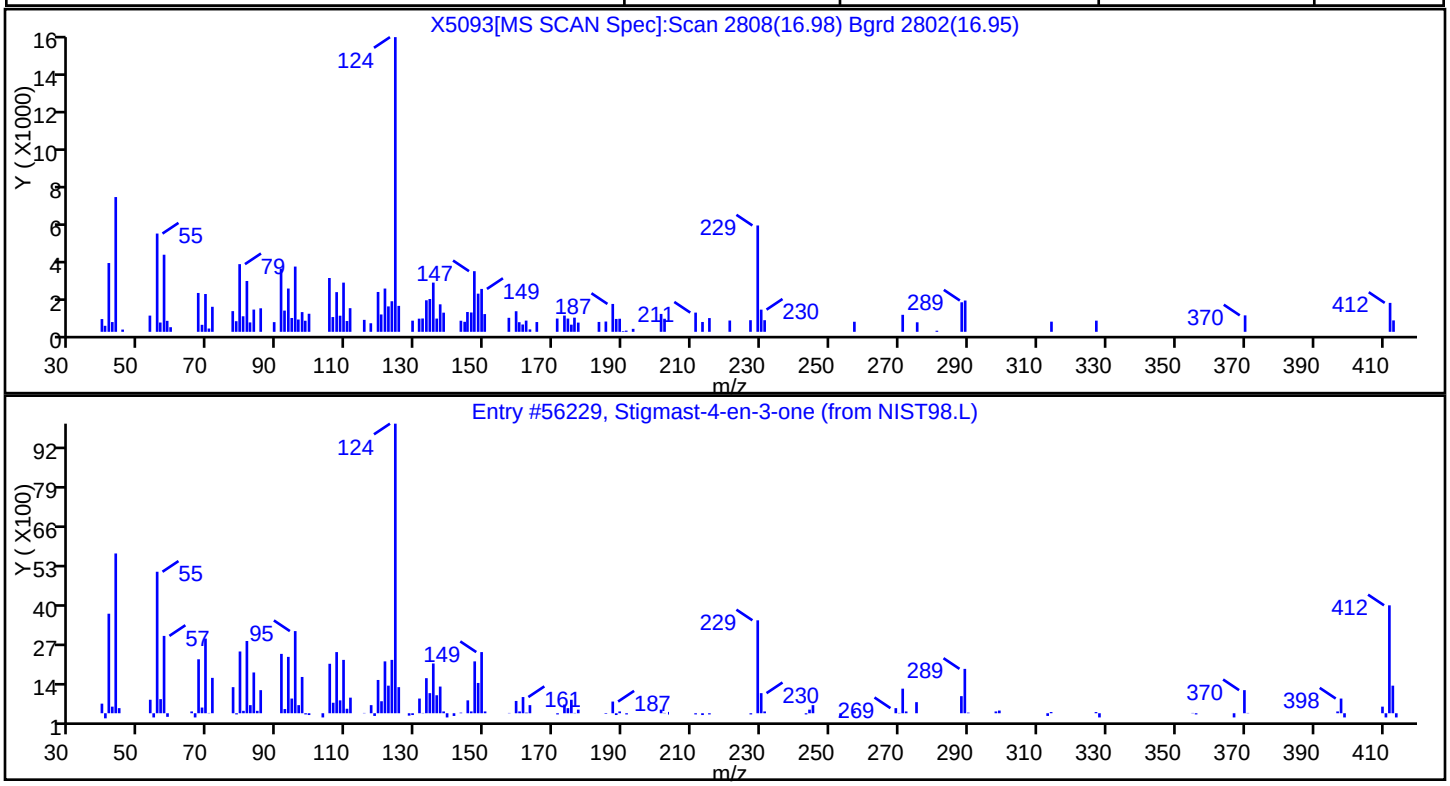
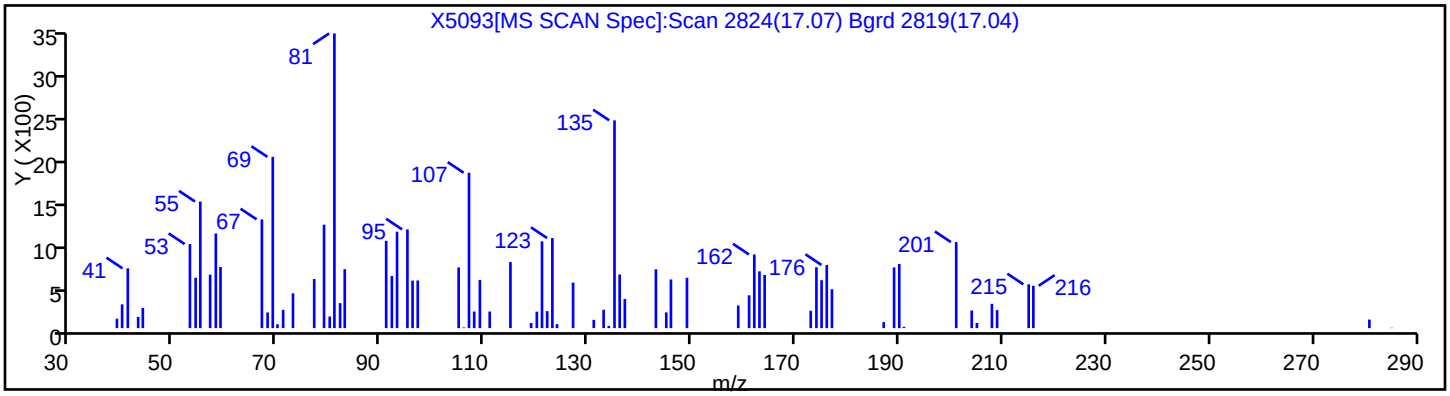


Report Date: 10-Apr-2012 10:39:26 Chrom Revision: 2.0 20-Feb-2012 13:27:02

Data File:	\\Bufchrom\ChromData\HP5973X\20120409-10842.b\X5093.D		
Injection Date:	09-Apr-2012 18:40:30	Limit Group:	MB - 8270C ICAL
Client ID:	RB-03 (0-6")	Instrument ID:	HP5973X
Lims Batch ID:	58786	Lims Sample ID:	6
Operator ID:	RMM	Injection Vol:	1.00 ul
Column Type:	RXI-5Sil MS	Column Dia:	0.25 mm

No Library Matches Found above the Threshold: 85



FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Buffalo | Job No.: 480-18068-1

SDG No.:

Client Sample ID: RB-03 (6"-12") | Lab Sample ID: 480-18068-2

Matrix: Solid | Lab File ID: X4976.D

Analysis Method: 8270C | Date Collected: 04/02/2012 12:20

Extract. Method: 3550B | Date Extracted: 04/05/2012 10:44

Sample wt/vol: +30.36(g) | Date Analyzed: 04/07/2012 00:37

Con. Extract Vol.: 1(mL) | Dilution Factor: 5

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

% Moisture: 18.2 | GPC Cleanup:(Y/N) N

Analysis Batch No.: 58507 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
95-95-4	2,4,5-Trichlorophenol	ND		1000	220
88-06-2	2,4,6-Trichlorophenol	ND		1000	67
120-83-2	2,4-Dichlorophenol	ND		1000	53
105-67-9	2,4-Dimethylphenol	ND		1000	280
51-28-5	2,4-Dinitrophenol	ND		2000	360
121-14-2	2,4-Dinitrotoluene	ND		1000	160
606-20-2	2,6-Dinitrotoluene	ND		1000	250
91-58-7	2-Chloronaphthalene	ND		1000	68
95-57-8	2-Chlorophenol	ND		1000	52
91-57-6	2-Methylnaphthalene	ND		1000	12
95-48-7	2-Methylphenol	ND		1000	31
88-74-4	2-Nitroaniline	ND		2000	330
88-75-5	2-Nitrophenol	ND		1000	47
91-94-1	3,3'-Dichlorobenzidine	ND		1000	890
99-09-2	3-Nitroaniline	ND		2000	230
534-52-1	4,6-Dinitro-2-methylphenol	ND		2000	350
101-55-3	4-Bromophenyl phenyl ether	ND		1000	320
59-50-7	4-Chloro-3-methylphenol	ND		1000	42
106-47-8	4-Chloroaniline	ND		1000	300
7005-72-3	4-Chlorophenyl phenyl ether	ND		1000	22
106-44-5	4-Methylphenol	ND		2000	57
100-01-6	4-Nitroaniline	ND		2000	110
100-02-7	4-Nitrophenol	ND	*	2000	250
83-32-9	Acenaphthene	ND		1000	12
208-96-8	Acenaphthylene	ND		1000	8.3
98-86-2	Acetophenone	ND		1000	52
120-12-7	Anthracene	190	J	1000	26
1912-24-9	Atrazine	ND	*	1000	45
100-52-7	Benzaldehyde	ND		1000	110
56-55-3	Benzo(a)anthracene	1300		1000	18
50-32-8	Benzo(a)pyrene	1700		1000	25
205-99-2	Benzo(b)fluoranthene	2400		1000	20
191-24-2	Benzo(g,h,i)perylene	1200		1000	12
207-08-9	Benzo(k)fluoranthene	880	J	1000	11

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Buffalo | Job No.: 480-18068-1

SDG No.:

Client Sample ID: RB-03 (6"-12") | Lab Sample ID: 480-18068-2

Matrix: Solid | Lab File ID: X4976.D

Analysis Method: 8270C | Date Collected: 04/02/2012 12:20

Extract. Method: 3550B | Date Extracted: 04/05/2012 10:44

Sample wt/vol: +30.36(g) | Date Analyzed: 04/07/2012 00:37

Con. Extract Vol.: 1(mL) | Dilution Factor: 5

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

% Moisture: 18.2 | GPC Cleanup:(Y/N) N

Analysis Batch No.: 58507 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
92-52-4	Biphenyl	ND		1000	64
108-60-1	bis (2-chloroisopropyl) ether	ND		1000	110
111-91-1	Bis(2-chloroethoxy)methane	ND		1000	55
111-44-4	Bis(2-chloroethyl)ether	ND		1000	88
117-81-7	Bis(2-ethylhexyl) phthalate	ND		1000	330
85-68-7	Butyl benzyl phthalate	ND		1000	270
105-60-2	Caprolactam	ND		1000	440
86-74-8	Carbazole	ND		1000	12
218-01-9	Chrysene	1600		1000	10
53-70-3	Dibenz(a,h)anthracene	ND		1000	12
132-64-9	Dibenzofuran	ND		1000	11
84-66-2	Diethyl phthalate	ND		1000	31
131-11-3	Dimethyl phthalate	ND		1000	27
84-74-2	Di-n-butyl phthalate	ND		1000	350
117-84-0	Di-n-octyl phthalate	ND		1000	24
206-44-0	Fluoranthene	1500		1000	15
86-73-7	Fluorene	ND		1000	24
118-74-1	Hexachlorobenzene	ND		1000	51
87-68-3	Hexachlorobutadiene	ND		1000	52
77-47-4	Hexachlorocyclopentadiene	ND		1000	310
67-72-1	Hexachloroethane	ND		1000	79
193-39-5	Indeno(1,2,3-cd)pyrene	1200		1000	28
78-59-1	Isophorone	ND		1000	51
91-20-3	Naphthalene	ND		1000	17
98-95-3	Nitrobenzene	ND		1000	45
621-64-7	N-Nitrosodi-n-propylamine	ND		1000	81
86-30-6	N-Nitrosodiphenylamine	ND		1000	56
87-86-5	Pentachlorophenol	ND		2000	350
85-01-8	Phenanthrene	840	J	1000	21
108-95-2	Phenol	ND		1000	110
129-00-0	Pyrene	1500		1000	6.6

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Buffalo | Job No.: 480-18068-1

SDG No.:

Client Sample ID: RB-03 (6"-12") | Lab Sample ID: 480-18068-2

Matrix: Solid | Lab File ID: X4976.D

Analysis Method: 8270C | Date Collected: 04/02/2012 12:20

Extract. Method: 3550B | Date Extracted: 04/05/2012 10:44

Sample wt/vol: +30.36(g) | Date Analyzed: 04/07/2012 00:37

Con. Extract Vol.: 1(mL) | Dilution Factor: 5

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

% Moisture: 18.2 | GPC Cleanup:(Y/N) N

Analysis Batch No.: 58507 | Units: ug/Kg

CAS NO.	SURROGATE	%REC	Q	LIMITS
118-79-6	2,4,6-Tribromophenol	92		39-146
321-60-8	2-Fluorobiphenyl	71		37-120
367-12-4	2-Fluorophenol	55		18-120
4165-60-0	Nitrobenzene-d5	72		34-132
4165-62-2	Phenol-d5	67		11-120
1718-51-0	p-Terphenyl-d14	98		65-153

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

Lab Name: TestAmerica Buffalo | Job No.: 480-18068-1

SDG No.:

Client Sample ID: RB-03 (6"-12") | Lab Sample ID: 480-18068-2

Matrix: Solid | Lab File ID: X4976.D

Analysis Method: 8270C | Date Collected: 04/02/2012 12:20

Extract. Method: 3550B | Date Extracted: 04/05/2012 10:44

Sample wt/vol: +30.36(g) | Date Analyzed: 04/07/2012 00:37

Con. Extract Vol.: 1(mL) | Dilution Factor: 5

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

% Moisture: 18.2 | GPC Cleanup:(Y/N) N

Analysis Batch No.: 58507 | Units: ug/Kg

Number TICs Found: 3 | TIC Result Total: 18400

CAS NO.	COMPOUND NAME	RT	RESULT	Q
	Unknown	2.08	1900	T J
	Unknown	14.54	1500	T J
	Unknown	14.76	15000	T J

TestAmerica Laboratories
Target Compound Quantitation Report

Data File:	\\Bufchrom\ChromData\HP5973X\20120406-10792.b\X4976.D		
Lims ID:	480-18068-A-2-B	Client ID:	RB-03 (6"-12")
Inject. Date:	07-Apr-2012 00:37:30	Dil. Factor:	5.0000
Sample Type:	Client		
Sample ID:	480-0010792-026		
Misc. Info.:			
Operator:	RMM	Instrument ID:	HP5973X
Vol. Injected:	1.0000	ALS Bottle#:	27
Lims Batch ID:	58507	Lims Sample ID:	26
Detector:	MS SCAN		
Method:	\\Bufchrom\ChromData\HP5973X\20120406-10792.b\X-8270.m		
Last Update:	07-Apr-2012 11:28:36	Calib Date:	03-Apr-2012 15:26:30
Quant Method:	Internal Standard	Quant By:	Initial Calibration
Last ICal File:	\\Bufchrom\ChromData\HP5973X\20120403-10684.b\X4785.D		
Limit Group:	MB - 8270C ICAL		
Integrator:	RTE	ID Type:	Deconvolution ID
Process Host:	CORP-CTX-16		
First Level Reviewer: mckernar		Date:	07-Apr-2012 11:28:36

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ng/uL	Flags
* 1 1,4-Dichlorobenzene-d4	152	5.783	5.810	-0.027	91	55889	40.0	
* 2 Naphthalene-d8	136	7.311	7.322	-0.011	88	212714	40.0	
* 3 Acenaphthene-d10	164	9.389	9.400	-0.011	53	145275	40.0	
* 4 Phenanthrene-d10	188	11.019	11.024	-0.005	99	231755	40.0	
* 5 Chrysene-d12	240	13.433	13.417	0.016	99	170495	40.0	
* 6 Perylene-d12	264	14.630	14.614	0.016	98	202707	40.0	
$ 7 2-Fluorophenol	112	4.239	4.239	0.0	84	28980	16.5	
$ 8 Phenol-d5	99	5.420	5.431	-0.011	75	48761	20.0	
$ 9 Nitrobenzene-d5	82	6.462	6.478	-0.016	91	37247	14.3	
$ 10 2-Fluorobiphenyl	172	8.609	8.615	-0.006	97	63395	14.2	
$ 11 2,4,6-Tribromophenol	330	10.308	10.308	0.0	63	19832	27.7	
$ 12 p-Terphenyl-d14	244	12.525	12.509	0.016	95	73370	19.5	
62 Benzaldehyde	77		5.286					
63 Phenol	94		5.447					
66 Bis(2-chloroethyl)ether	93		5.505					
67 2-Chlorophenol	128		5.564					
74 2,2'-oxybis[1-chloropropane]	45		6.157					
73 2-Methylphenol	108		6.163					
76 Acetophenone	105		6.307					
78 N-Nitrosodi-n-propylamine	70		6.312					
79 4-Methylphenol	108		6.355					
81 Hexachloroethane	117		6.398					
83 Nitrobenzene	77		6.499					
86 Isophorone	82		6.793					
87 2-Nitrophenol	139		6.878					
89 2,4-Dimethylphenol	107		6.980					
94 Bis(2-chloroethoxy)methane	93		7.065					
97 2,4-Dichlorophenol	162		7.194					
99 Naphthalene	128		7.343					
101 4-Chloroaniline	127		7.445					
104 Hexachlorobutadiene	225		7.498					

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ng/uL	Flags
105 Caprolactam	113		7.872					
110 4-Chloro-3-methylphenol	107		8.059					
113 2-Methylnaphthalene	142		8.171					
116 Hexachlorocyclopentadiene	237		8.353					
118 2,4,6-Trichlorophenol	196		8.529					
119 2,4,5-Trichlorophenol	196		8.599					
123 1,1'-Biphenyl	154		8.732					
124 2-Chloronaphthalene	162		8.743					
125 2-Nitroaniline	65		8.903					
128 Dimethyl phthalate	163		9.122					
130 2,6-Dinitrotoluene	165		9.197					
131 Acenaphthylene	152		9.229					
132 3-Nitroaniline	138		9.400					
133 Acenaphthene	153		9.432					
134 2,4-Dinitrophenol	184		9.528					
138 Dibenzofuran	168		9.640					
137 2,4-Dinitrotoluene	165		9.672					
135 4-Nitrophenol	109		9.683					
142 Diethyl phthalate	149		9.950					
144 Fluorene	166		10.036					
145 4-Chlorophenyl phenyl ether	204		10.046					
147 4-Nitroaniline	138		10.110					
148 4,6-Dinitro-2-methylphenol	198		10.132					
149 N-Nitrosodiphenylamine	169		10.185					
159 4-Bromophenyl phenyl ether	248		10.565					
160 Hexachlorobenzene	284		10.618					
163 Atrazine	200		10.784					
165 Pentachlorophenol	266		10.848					
171 Phenanthrene	178	11.045	11.035	0.010	79	25664	4.17	
172 Anthracene	178	11.104	11.088	0.016	21	5633	0.9213	
173 Carbazole	167		11.270					
176 Di-n-butyl phthalate	149		11.612					
182 Fluoranthene	202	12.178	12.162	0.016	99	48949	7.65	
185 Pyrene	202	12.381	12.360	0.021	99	42595	7.48	
192 Butyl benzyl phthalate	149		12.937					
196 3,3'-Dichlorobenzidine	252		13.396					
197 Benzo[a]anthracene	228	13.423	13.412	0.011	32	30340	6.42	
198 Bis(2-ethylhexyl) phthalate	149		13.428					
199 Chrysene	228	13.455	13.444	0.011	90	33687	7.95	
201 Di-n-octyl phthalate	149		13.968					
203 Benzo[b]fluoranthene	252	14.315	14.315	0.0	98	67532	11.8	M
204 Benzo[k]fluoranthene	252	14.331	14.336	-0.005	96	26527	4.38	M
206 Benzo[a]pyrene	252	14.587	14.587	0.0	96	39673	8.28	
208 Indeno[1,2,3-cd]pyrene	276	15.618	15.634	-0.016	85	35977	5.89	
209 Dibenz(a,h)anthracene	278		15.640					
210 Benzo[g,h,i]perylene	276	15.896	15.917	-0.021	87	30592	6.10	

QC Flag Legend

Review Flags
M - Manually Integrated

TestAmerica Laboratories
Tentatively Identified Quantitation Report

Data File:	\\Bufchrom\ChromData\HP5973X\20120406-10792.b\X4976.D		
Lims ID:	480-18068-A-2-B	Client ID:	RB-03 (6"-12")
Inject. Date:	07-Apr-2012 00:37:30	Dil. Factor:	5.0000
Sample Type:	Client		
Sample ID:	480-0010792-026		
Misc. Info.:			
Operator:	RMM	Instrument ID:	HP5973X
Vol. Injected:	1.0000	ALS Bottle#:	27
Lims Batch ID:	58507	Lims Sample ID:	26
Detector:	MS SCAN		
Method:	\\Bufchrom\ChromData\HP5973X\20120406-10792.b\X-8270.m		
Last Update:	07-Apr-2012 11:28:36	Calib Date:	03-Apr-2012 15:26:30
Tic RT Window:	1.500 -0.000	Response:	area
Quant By:	Nearest ISTD	Quant LOD:	10.00000
MS Library:	\\Bufchrom\ChromData\Database\NIST98.L		
Min. Match:	85		
Process Host:	CORP-CTX-16		
First Level Reviewer: mckernar		Date:	07-Apr-2012 11:28:36

Tentative Identified Compound Results

RT	Response	Amount ng/uL	Quant Cpnd	Qual	Lib Entry	Flags
		Unknown				
2.081	109855	9.61	1			
		Unknown				
14.539	110954	7.41	6			
		Unknown				
14.758	1144033	76.4	6			

Quantitation Compounds

Compound	RT	Response	Amount ng/uL
* 1 1,4-Dichlorobenzene-d4	5.783	457351	40.0
* 6 Perylene-d12	14.630	598974	40.0

QC Flag Legend

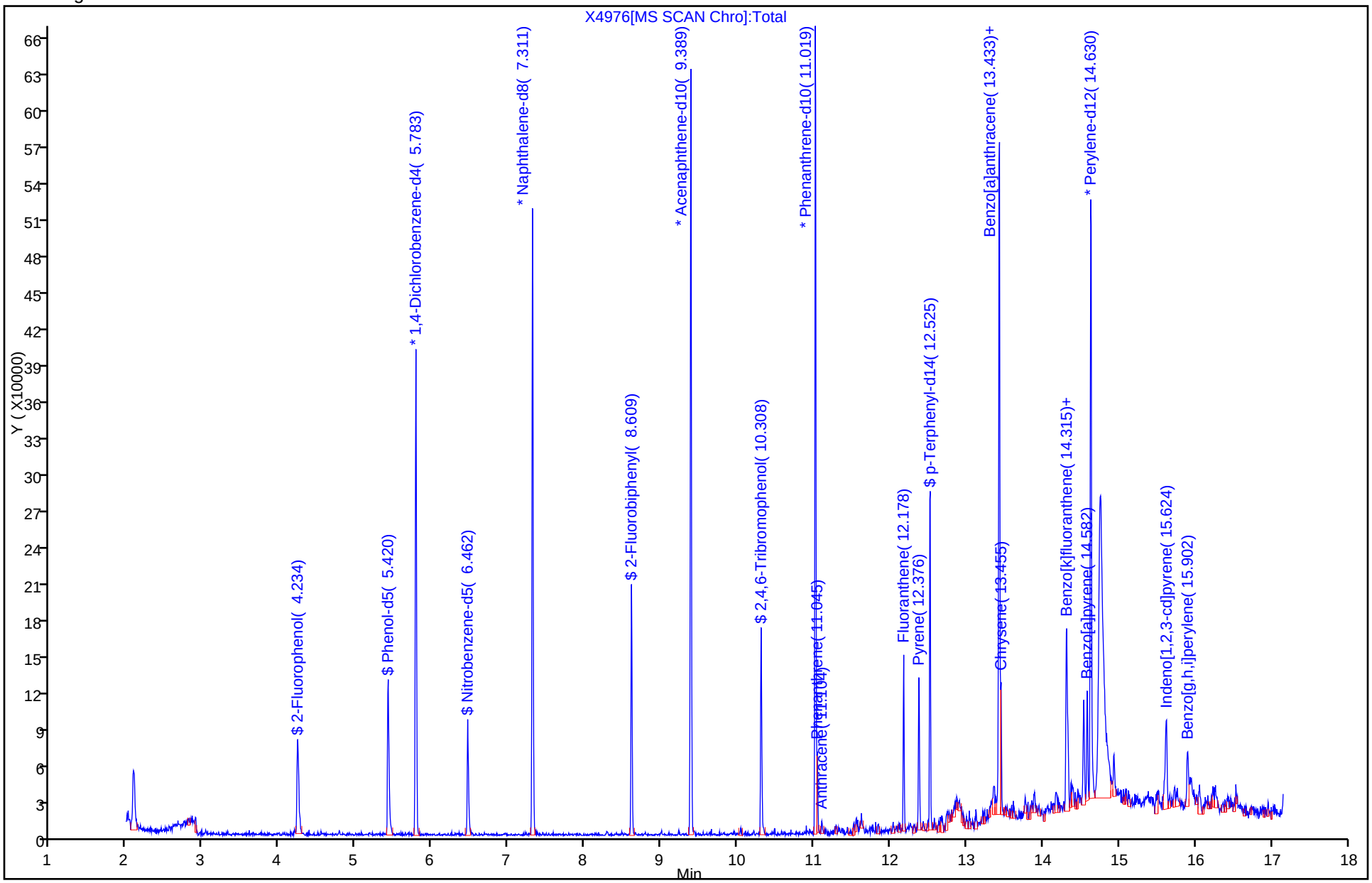
Processing Flags

Report Date: 07-Apr-2012 11:28:36 Chrom Revision: 2.0 20-Feb-2012 13:27:02

Data File: \\Bufchrom\ChromData\HP5973X\20120406-10792.b\X4976.D

Injection Date:	07-Apr-2012 00:37:30	Limit Group:	MB - 8270C ICAL
Client ID:	RB-03 (6"-12")	Instrument ID:	HP5973X
Lims Batch ID:	58507	Lims Sample ID:	26
Operator ID:	RMM	Injection Vol:	1.00 ul
Column Type:	RXI-5Sil MS	Column Dia:	0.25 mm

Y Scaling:

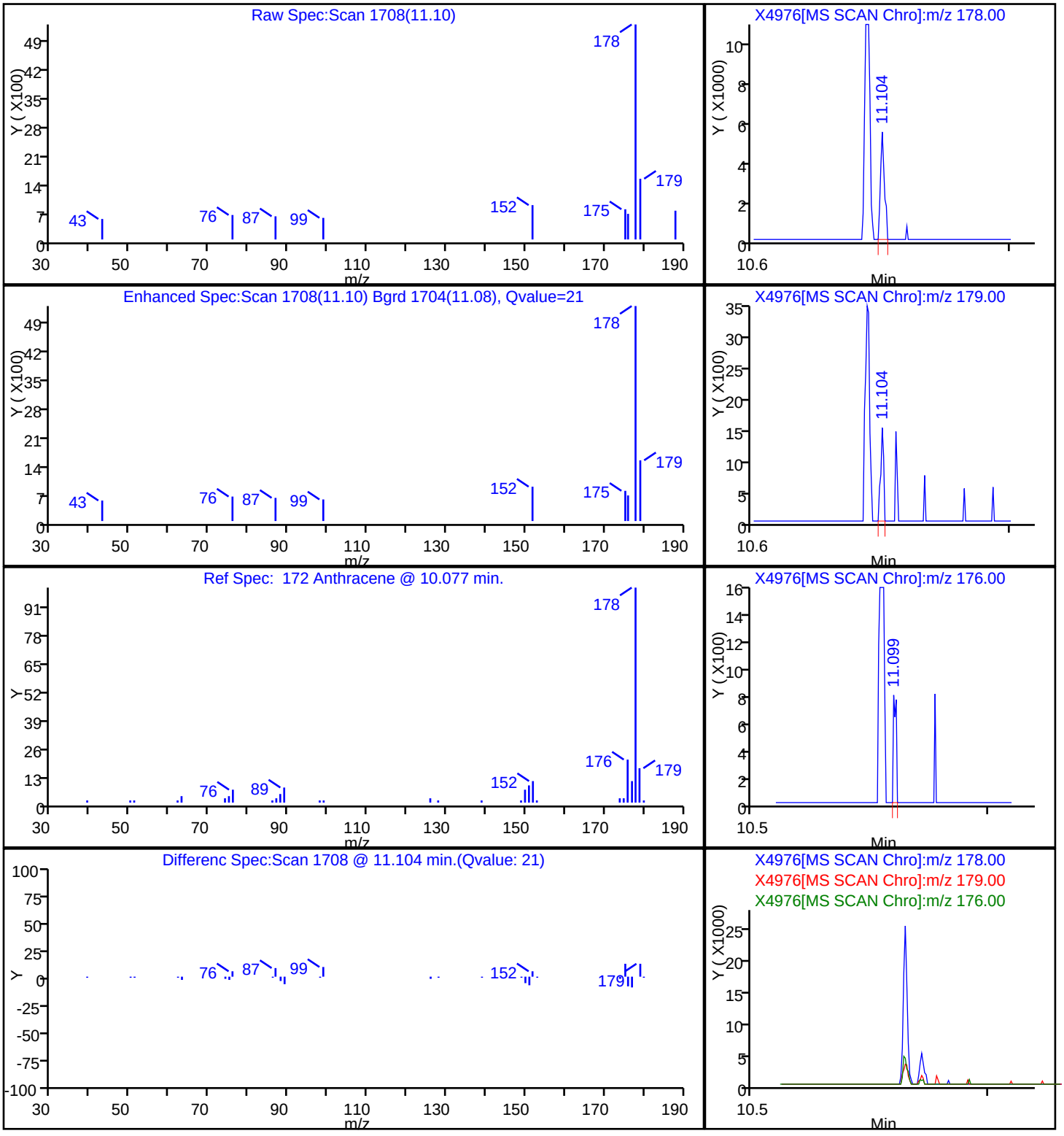


Report Date: 07-Apr-2012 11:28:36 Chrom Revision: 2.0 20-Feb-2012 13:27:02

Data File: \\Bufchrom\ChromData\HP5973X\20120406-10792.b\X4976.D

Injection Date:	07-Apr-2012 00:37:30	Limit Group:	MB - 8270C ICAL
Client ID:	RB-03 (6"-12")	Instrument ID:	HP5973X
Lims Batch ID:	58507	Lims Sample ID:	26
Operator ID:	RMM	Injection Vol:	1.00 ul
Column Type:	RXI-5Sil MS	Column Dia:	0.25 mm

172 Anthracene

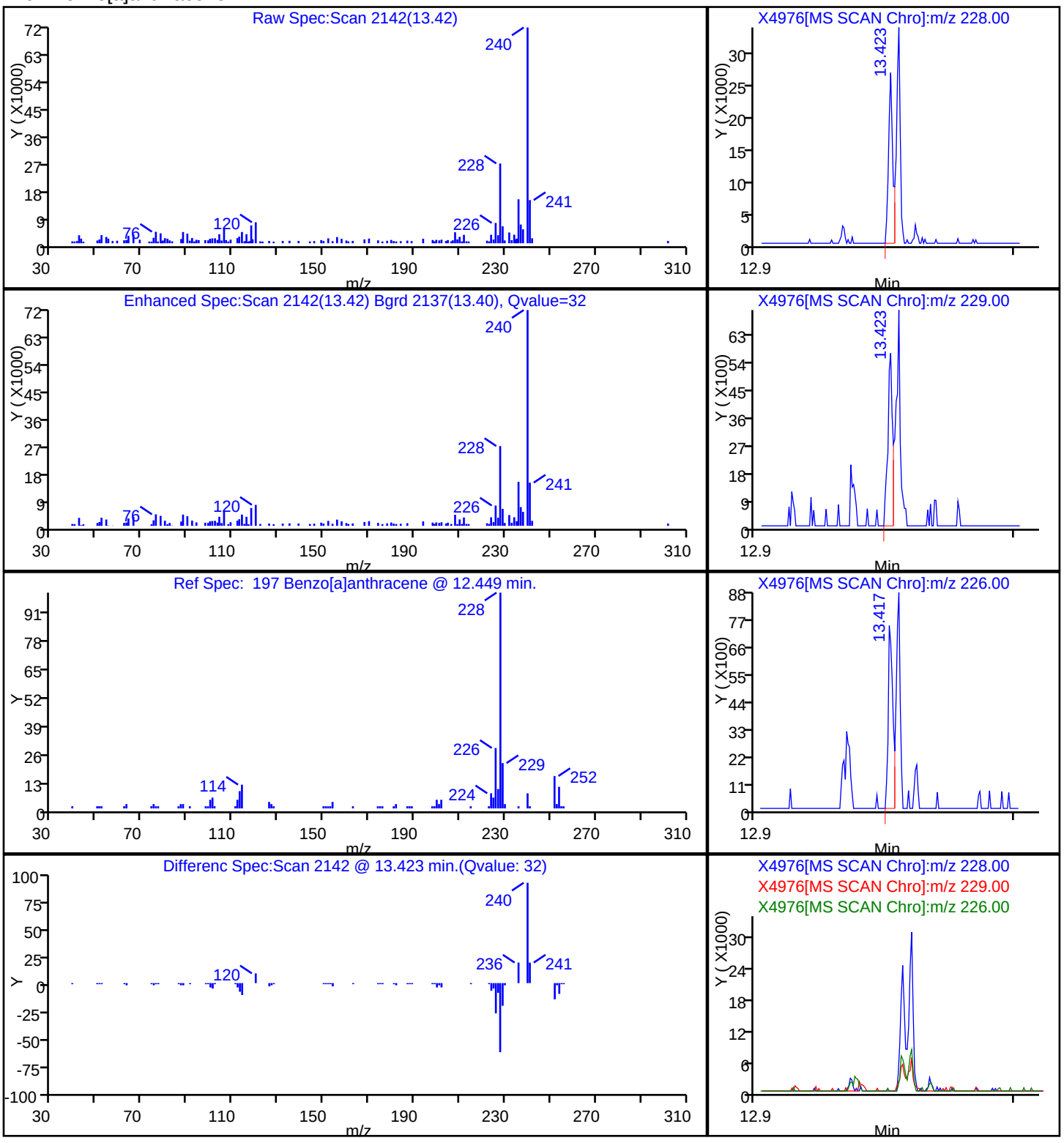


Report Date: 07-Apr-2012 11:28:36 Chrom Revision: 2.0 20-Feb-2012 13:27:02

Data File: \\Bufchrom\ChromData\HP5973X\20120406-10792.b\X4976.D

Injection Date:	07-Apr-2012 00:37:30	Limit Group:	MB - 8270C ICAL
Client ID:	RB-03 (6"-12")	Instrument ID:	HP5973X
Lims Batch ID:	58507	Lims Sample ID:	26
Operator ID:	RMM	Injection Vol:	1.00 ul
Column Type:	RXI-5Sil MS	Column Dia:	0.25 mm

197 Benzo[a]anthracene

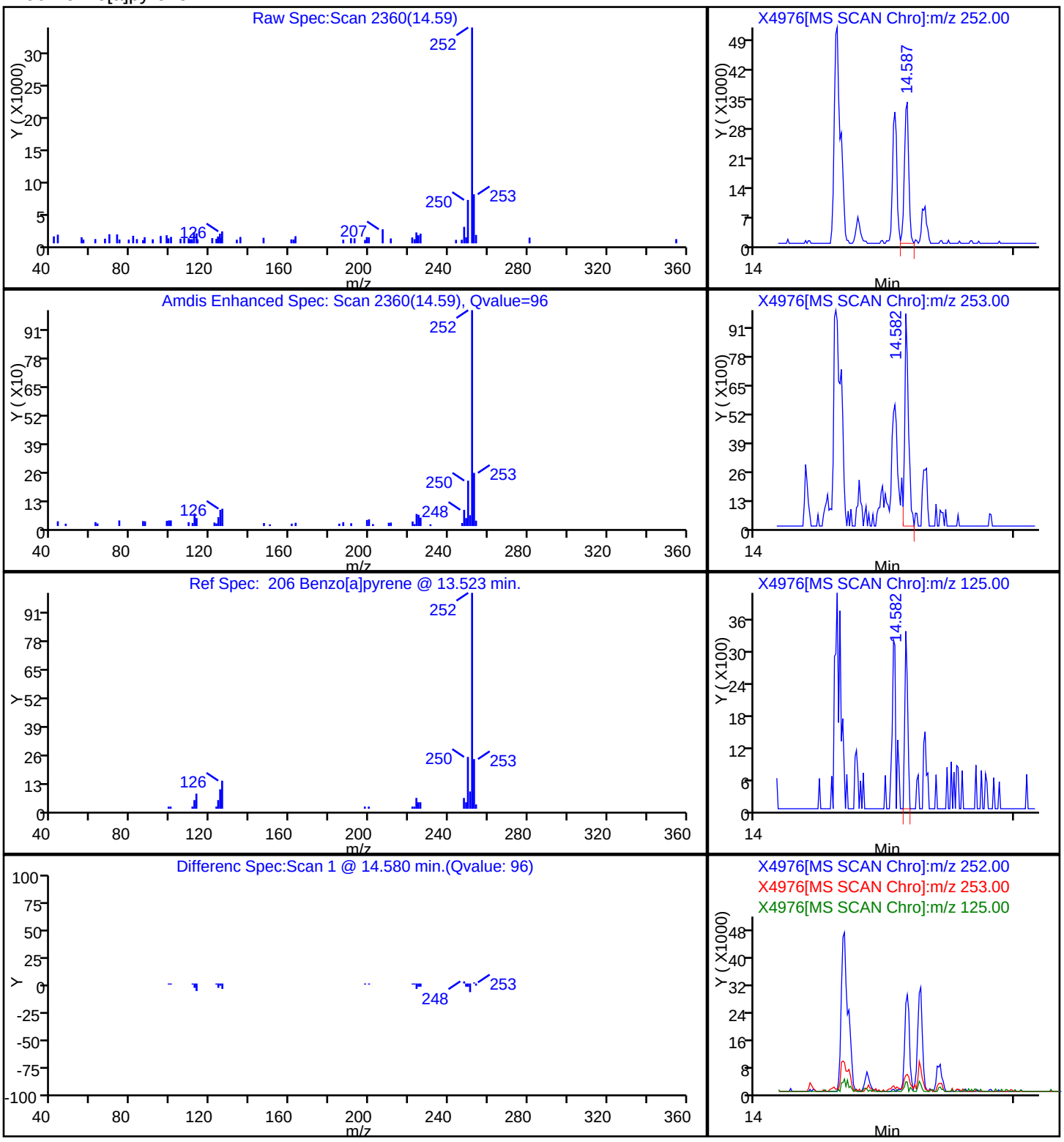


Report Date: 07-Apr-2012 11:28:36 Chrom Revision: 2.0 20-Feb-2012 13:27:02

Data File: \\Bufchrom\ChromData\HP5973X\20120406-10792.b\X4976.D

Injection Date:	07-Apr-2012 00:37:30	Limit Group:	MB - 8270C ICAL
Client ID:	RB-03 (6"-12")	Instrument ID:	HP5973X
Lims Batch ID:	58507	Lims Sample ID:	26
Operator ID:	RMM	Injection Vol:	1.00 ul
Column Type:	RXI-5Sil MS	Column Dia:	0.25 mm

206 Benzo[a]pyrene

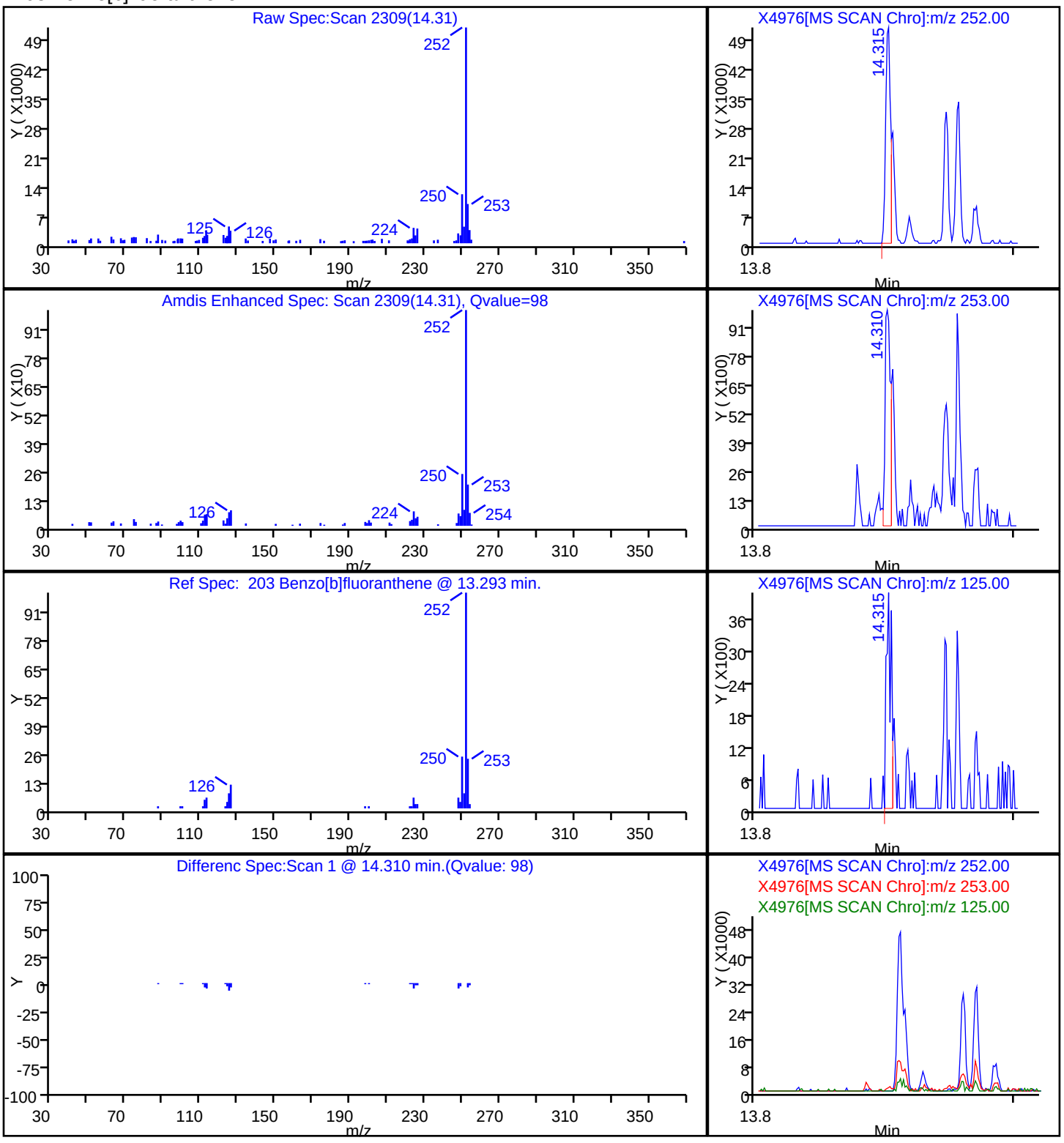


Report Date: 07-Apr-2012 11:28:36 Chrom Revision: 2.0 20-Feb-2012 13:27:02

Data File: \\Bufchrom\ChromData\HP5973X\20120406-10792.b\X4976.D

Injection Date:	07-Apr-2012 00:37:30	Limit Group:	MB - 8270C ICAL
Client ID:	RB-03 (6"-12")	Instrument ID:	HP5973X
Lims Batch ID:	58507	Lims Sample ID:	26
Operator ID:	RMM	Injection Vol:	1.00 ul
Column Type:	RXI-5Sil MS	Column Dia:	0.25 mm

203 Benzo[b]fluoranthene

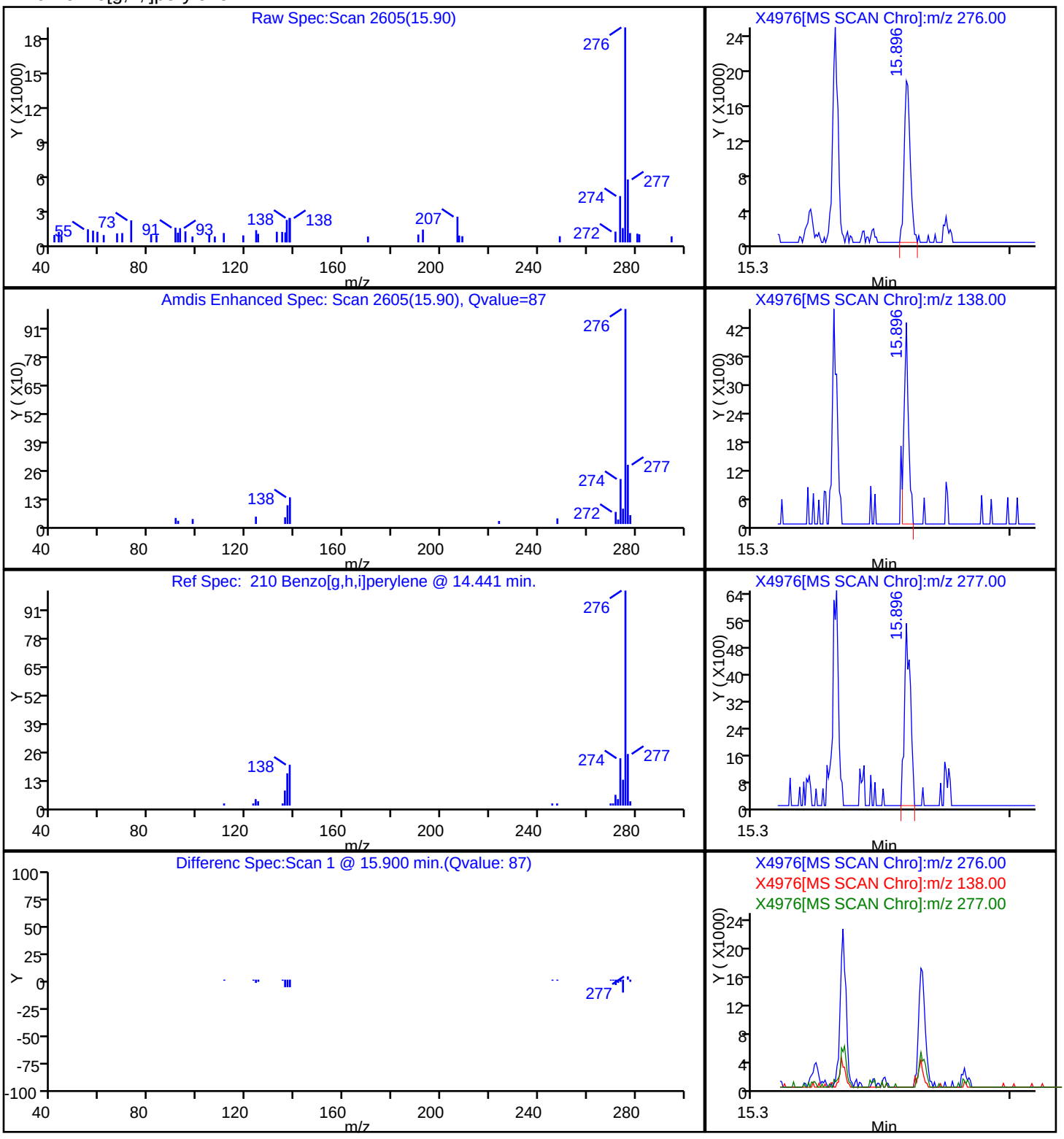


Report Date: 07-Apr-2012 11:28:36 Chrom Revision: 2.0 20-Feb-2012 13:27:02

Data File: \\Bufchrom\ChromData\HP5973X\20120406-10792.b\X4976.D

Injection Date:	07-Apr-2012 00:37:30	Limit Group:	MB - 8270C ICAL
Client ID:	RB-03 (6"-12")	Instrument ID:	HP5973X
Lims Batch ID:	58507	Lims Sample ID:	26
Operator ID:	RMM	Injection Vol:	1.00 ul
Column Type:	RXI-5Sil MS	Column Dia:	0.25 mm

210 Benzo[g,h,i]perylene

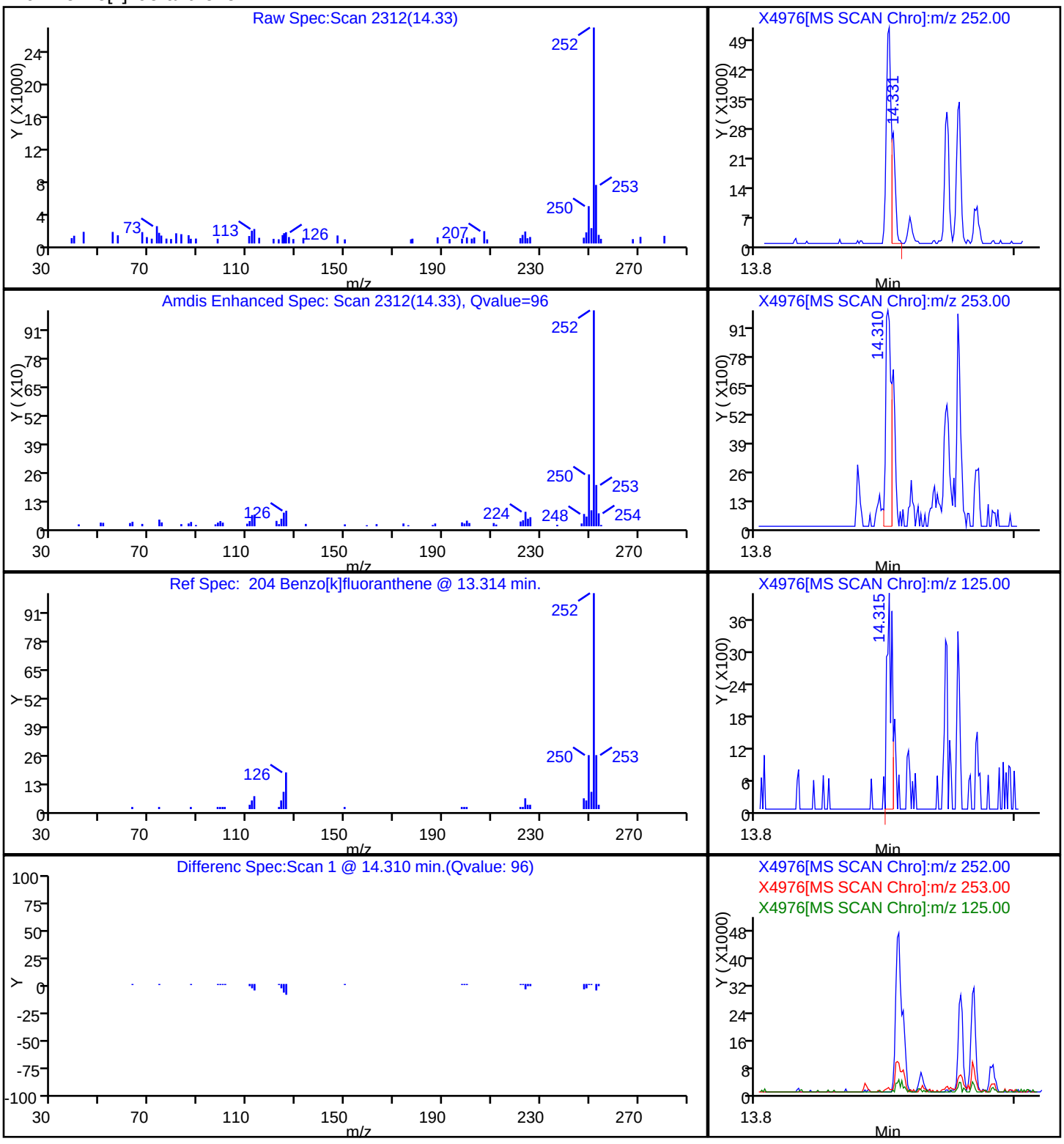


Report Date: 07-Apr-2012 11:28:36 Chrom Revision: 2.0 20-Feb-2012 13:27:02

Data File: \\Bufchrom\ChromData\HP5973X\20120406-10792.b\X4976.D

Injection Date:	07-Apr-2012 00:37:30	Limit Group:	MB - 8270C ICAL
Client ID:	RB-03 (6"-12")	Instrument ID:	HP5973X
Lims Batch ID:	58507	Lims Sample ID:	26
Operator ID:	RMM	Injection Vol:	1.00 ul
Column Type:	RXI-5Sil MS	Column Dia:	0.25 mm

204 Benzo[k]fluoranthene

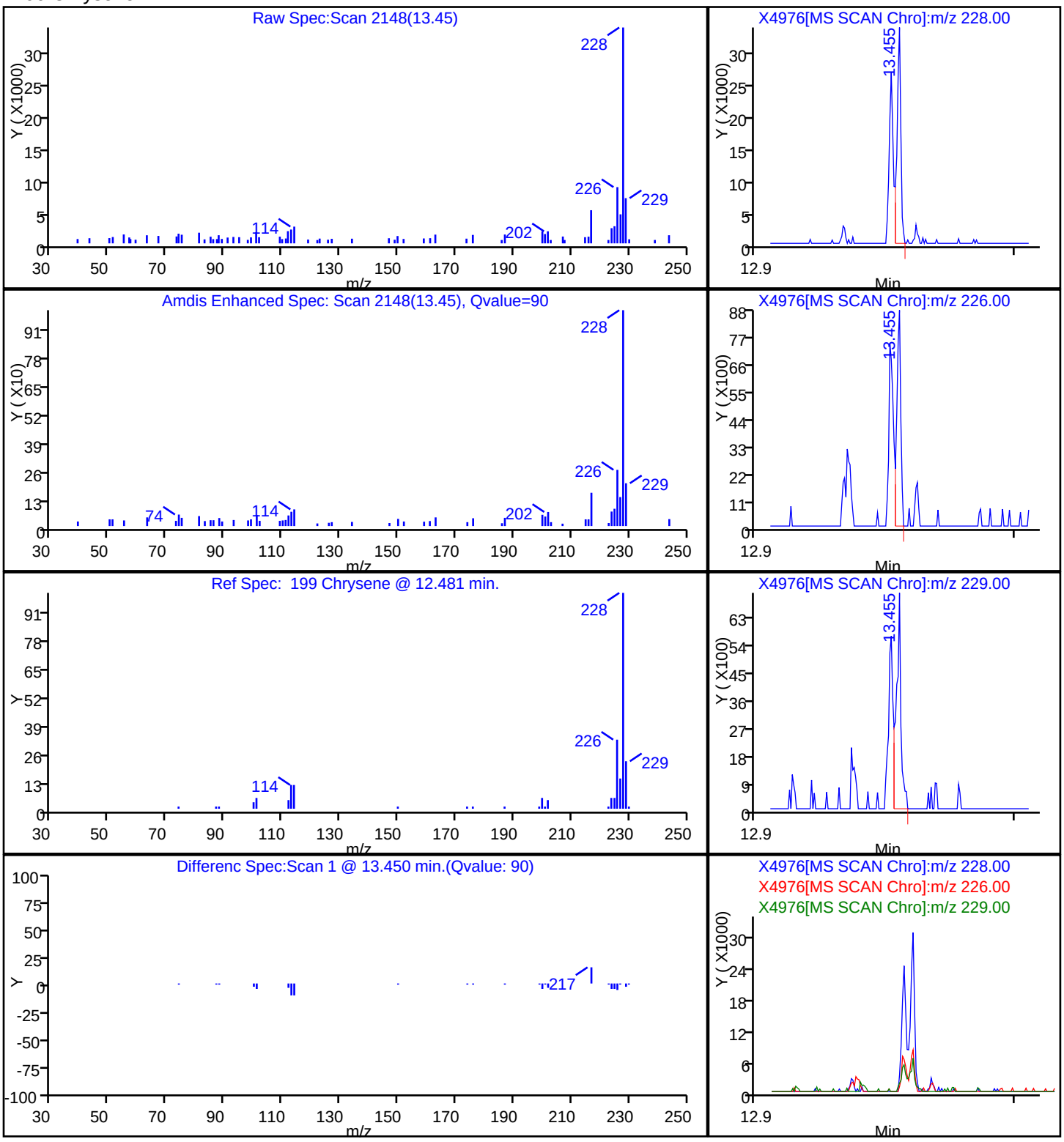


Report Date: 07-Apr-2012 11:28:36 Chrom Revision: 2.0 20-Feb-2012 13:27:02

Data File: \\Bufchrom\ChromData\HP5973X\20120406-10792.b\X4976.D

Injection Date:	07-Apr-2012 00:37:30	Limit Group:	MB - 8270C ICAL
Client ID:	RB-03 (6"-12")	Instrument ID:	HP5973X
Lims Batch ID:	58507	Lims Sample ID:	26
Operator ID:	RMM	Injection Vol:	1.00 ul
Column Type:	RXI-5Sil MS	Column Dia:	0.25 mm

199 Chrysene

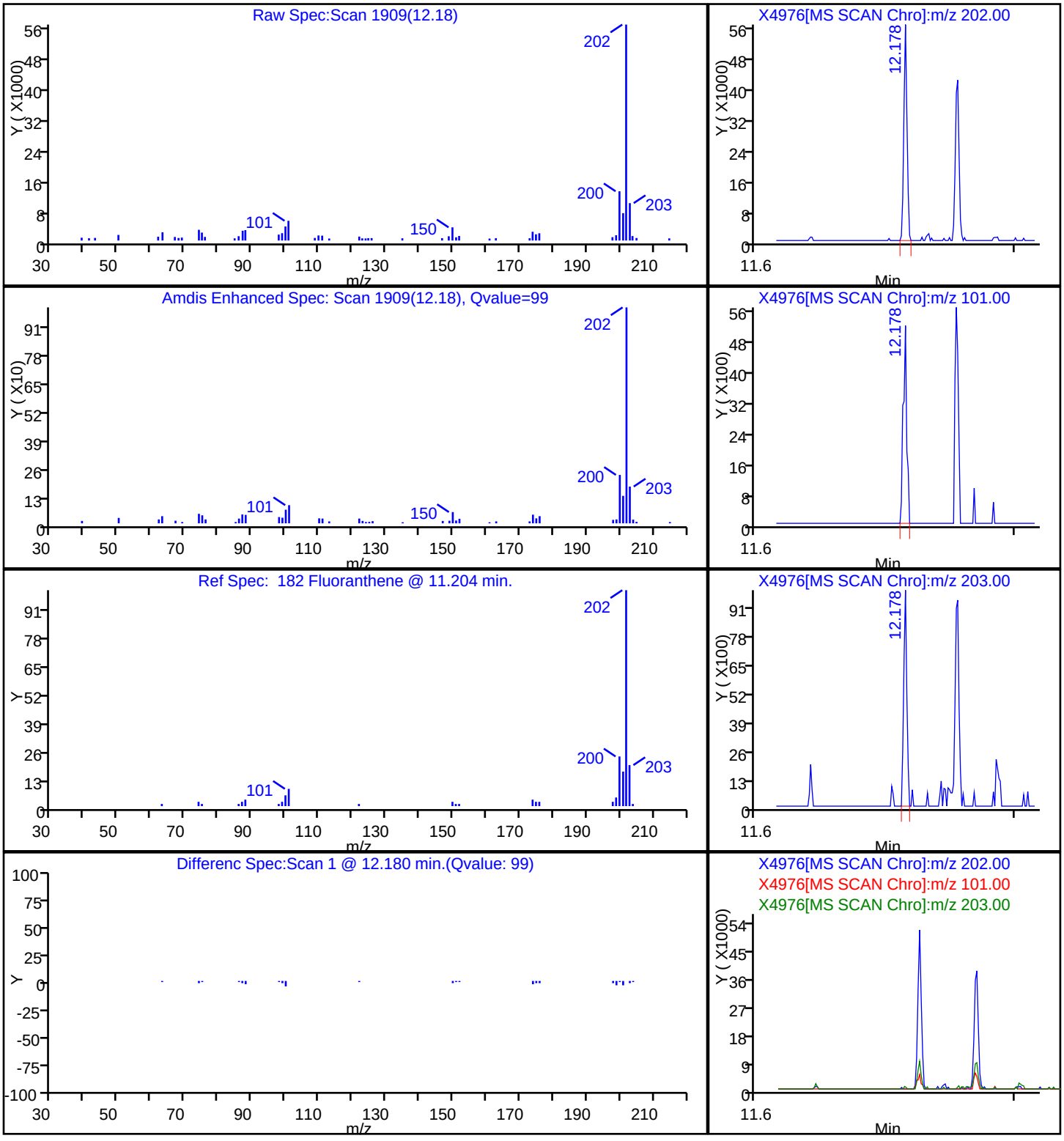


Report Date: 07-Apr-2012 11:28:36 Chrom Revision: 2.0 20-Feb-2012 13:27:02

Data File: \\Bufchrom\ChromData\HP5973X\20120406-10792.b\X4976.D

Injection Date:	07-Apr-2012 00:37:30	Limit Group:	MB - 8270C ICAL
Client ID:	RB-03 (6"-12")	Instrument ID:	HP5973X
Lims Batch ID:	58507	Lims Sample ID:	26
Operator ID:	RMM	Injection Vol:	1.00 ul
Column Type:	RXI-5Sil MS	Column Dia:	0.25 mm

182 Fluoranthene

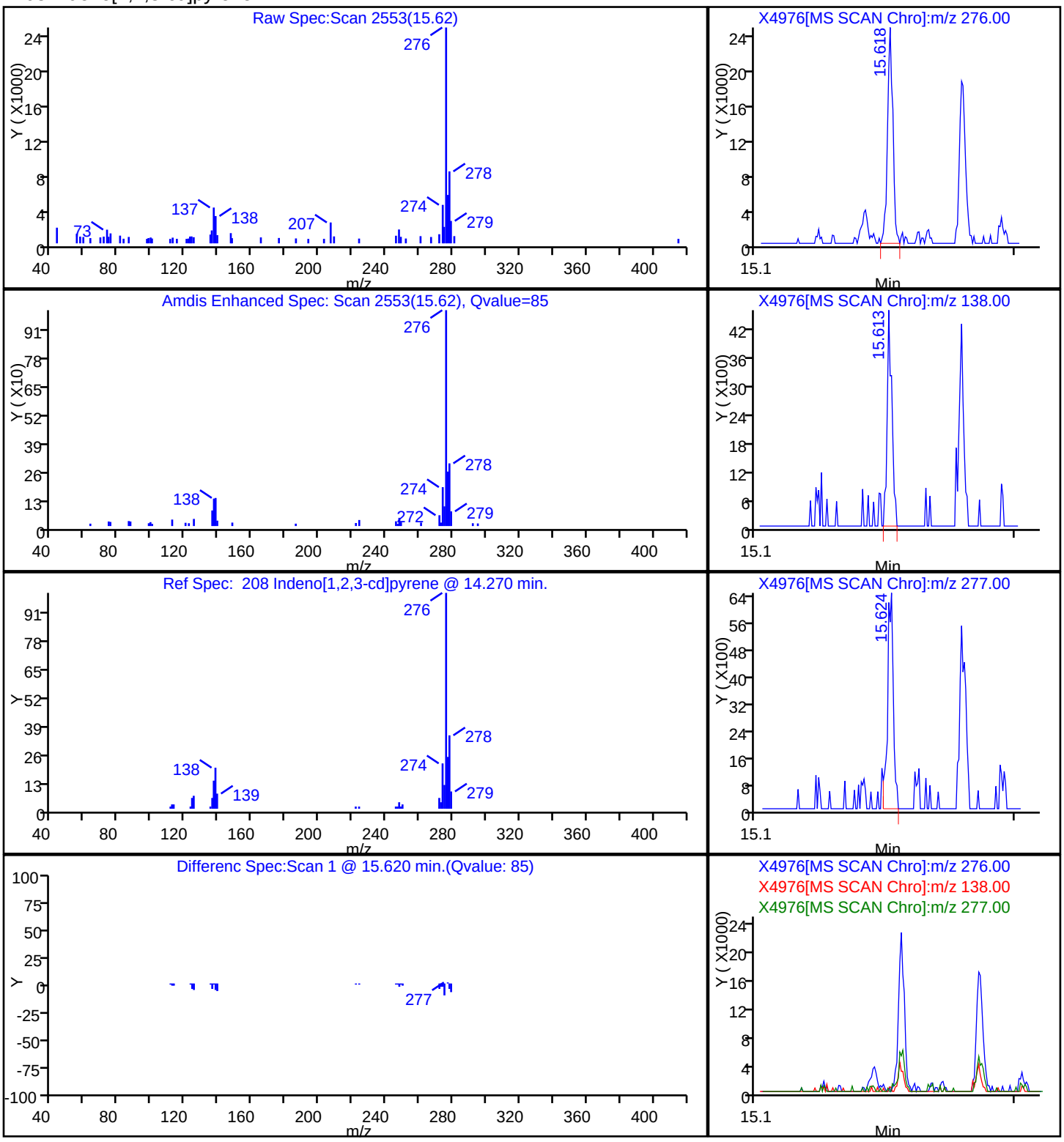


Report Date: 07-Apr-2012 11:28:36 Chrom Revision: 2.0 20-Feb-2012 13:27:02

Data File: \\Bufchrom\ChromData\HP5973X\20120406-10792.b\X4976.D

Injection Date:	07-Apr-2012 00:37:30	Limit Group:	MB - 8270C ICAL
Client ID:	RB-03 (6"-12")	Instrument ID:	HP5973X
Lims Batch ID:	58507	Lims Sample ID:	26
Operator ID:	RMM	Injection Vol:	1.00 ul
Column Type:	RXI-5Sil MS	Column Dia:	0.25 mm

208 Indeno[1,2,3-cd]pyrene

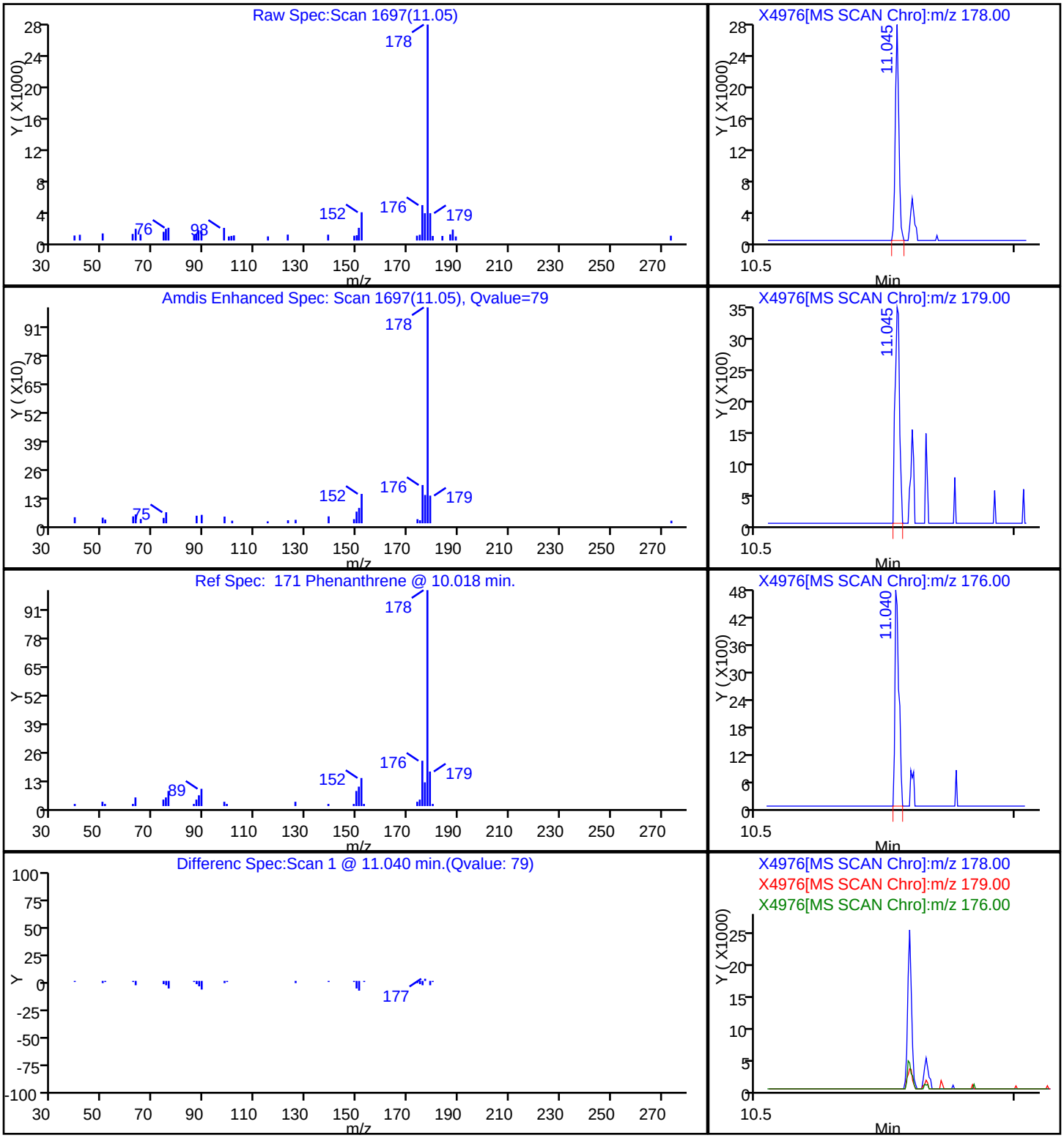


Report Date: 07-Apr-2012 11:28:36 Chrom Revision: 2.0 20-Feb-2012 13:27:02

Data File: \\Bufchrom\ChromData\HP5973X\20120406-10792.b\X4976.D

Injection Date:	07-Apr-2012 00:37:30	Limit Group:	MB - 8270C ICAL
Client ID:	RB-03 (6"-12")	Instrument ID:	HP5973X
Lims Batch ID:	58507	Lims Sample ID:	26
Operator ID:	RMM	Injection Vol:	1.00 ul
Column Type:	RXI-5Sil MS	Column Dia:	0.25 mm

171 Phenanthrene

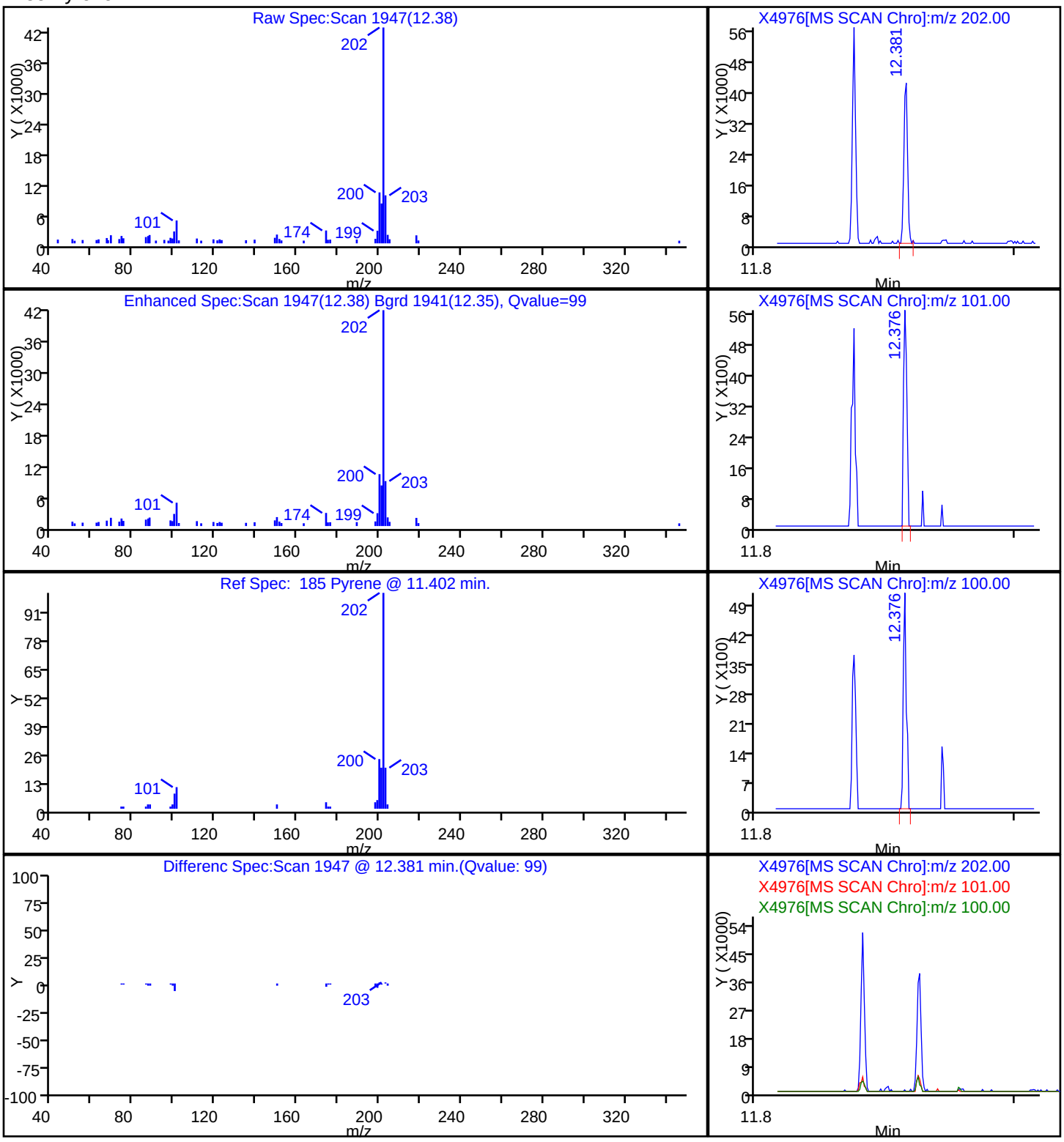


Report Date: 07-Apr-2012 11:28:36 Chrom Revision: 2.0 20-Feb-2012 13:27:02

Data File: \\Bufchrom\ChromData\HP5973X\20120406-10792.b\X4976.D

Injection Date:	07-Apr-2012 00:37:30	Limit Group:	MB - 8270C ICAL
Client ID:	RB-03 (6"-12")	Instrument ID:	HP5973X
Lims Batch ID:	58507	Lims Sample ID:	26
Operator ID:	RMM	Injection Vol:	1.00 ul
Column Type:	RXI-5Sil MS	Column Dia:	0.25 mm

185 Pyrene



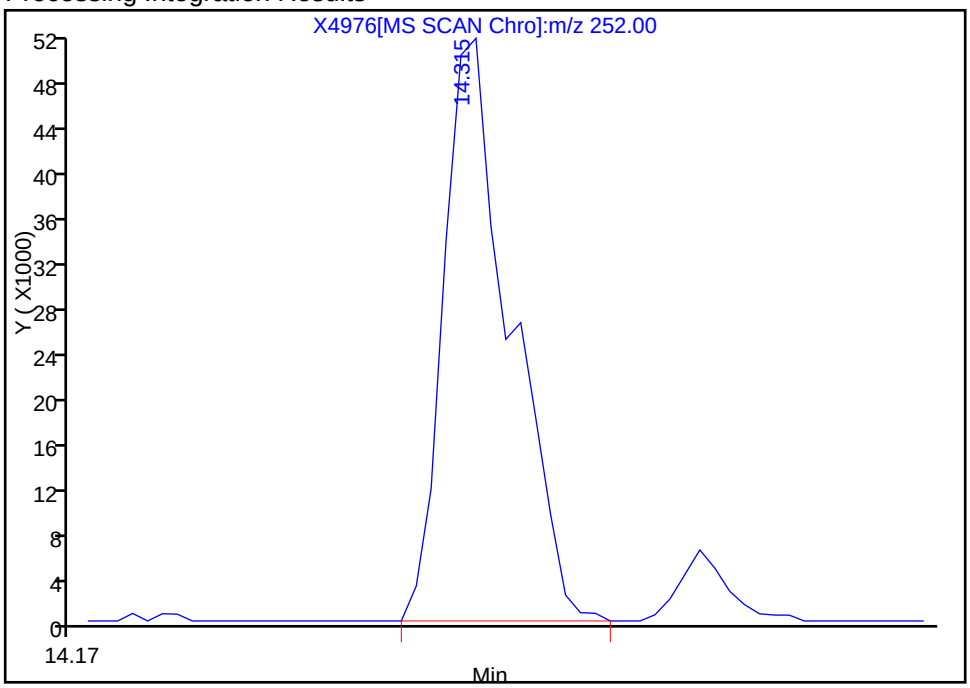
Manual Integration/User Assign Peak Report

Data File:	\\Bufchrom\ChromData\HP5973X\20120406-10792.b\X4976.D		
Injection Date:	07-Apr-2012 00:37:30	Limit Group:	MB - 8270C ICAL
Client ID:	RB-03 (6"-12")	Instrument ID:	HP5973X
Lims Batch ID:	58507	Lims Sample ID:	26
Operator ID:	RMM	Injection Vol:	1.00 ul
Column Type:	RXI-5Sil MS	Column Dia:	0.25 mm

203 Benzo[b]fluoranthene, Signal: 1, m/z: 252.0 Type: quant, RT: 14.31

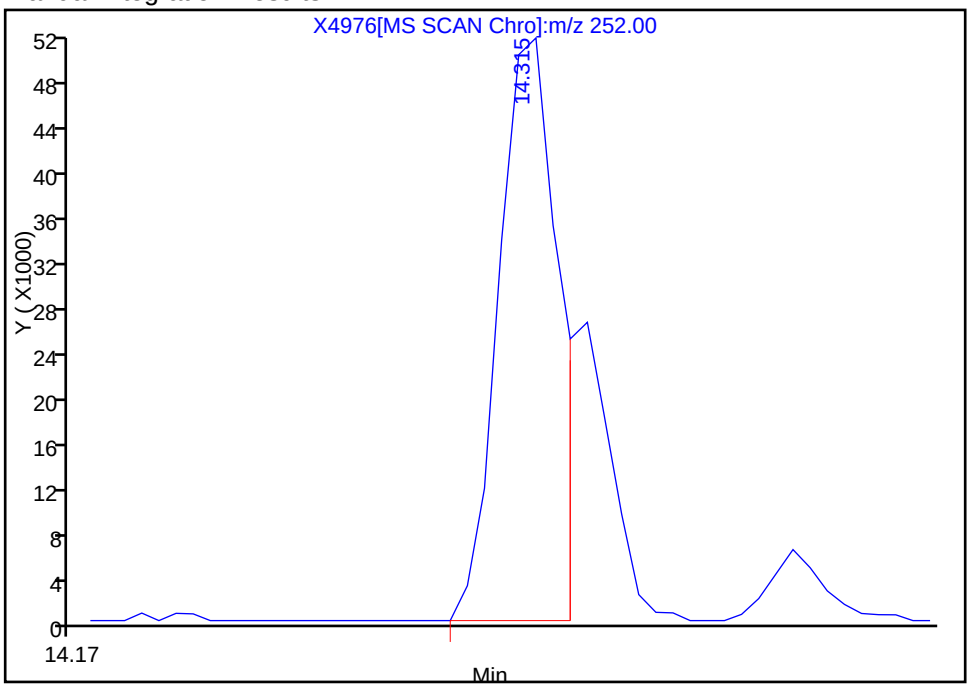
Processing Integration Results

RT: 14.31
Response: 86044
Amount: 15.066254



Manual Integration Results

RT: 14.31
Response: 67532
Amount: 11.824814



Reviewer: mckernar, 07-Apr-2012 11:28:36
Audit Action: Split an Integrated Peak
Audit Reason: Coelution

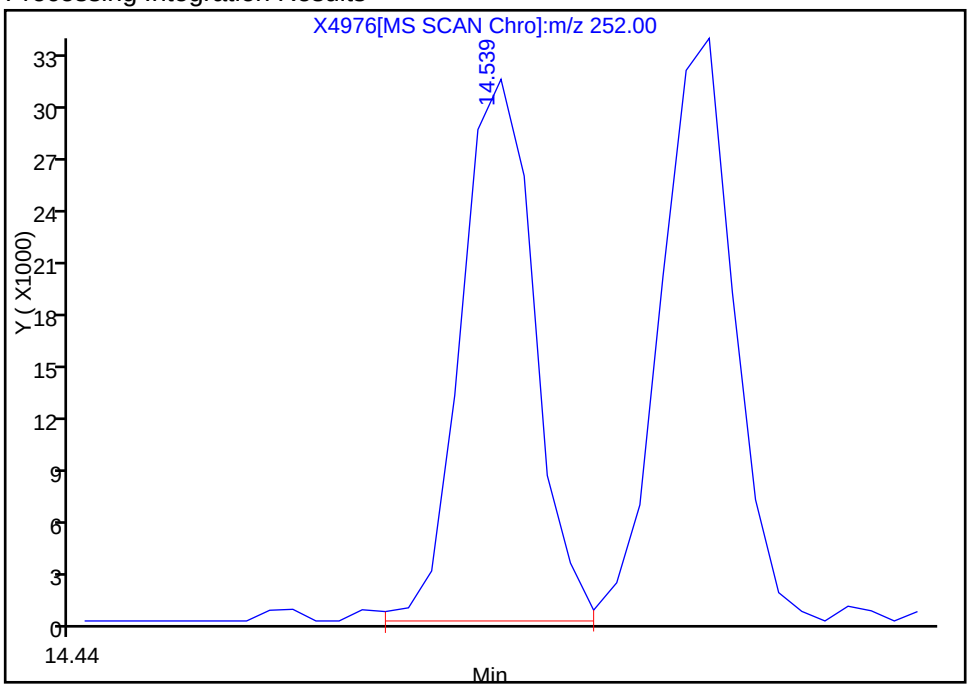
Manual Integration/User Assign Peak Report

Data File:	\\Bufchrom\ChromData\HP5973X\20120406-10792.b\X4976.D		
Injection Date:	07-Apr-2012 00:37:30	Limit Group:	MB - 8270C ICAL
Client ID:	RB-03 (6"-12")	Instrument ID:	HP5973X
Lims Batch ID:	58507	Lims Sample ID:	26
Operator ID:	RMM	Injection Vol:	1.00 ul
Column Type:	RXI-5Sil MS	Column Dia:	0.25 mm

204 Benzo[k]fluoranthene, Signal: 1, m/z: 252.0 Type: quant, RT: 14.34

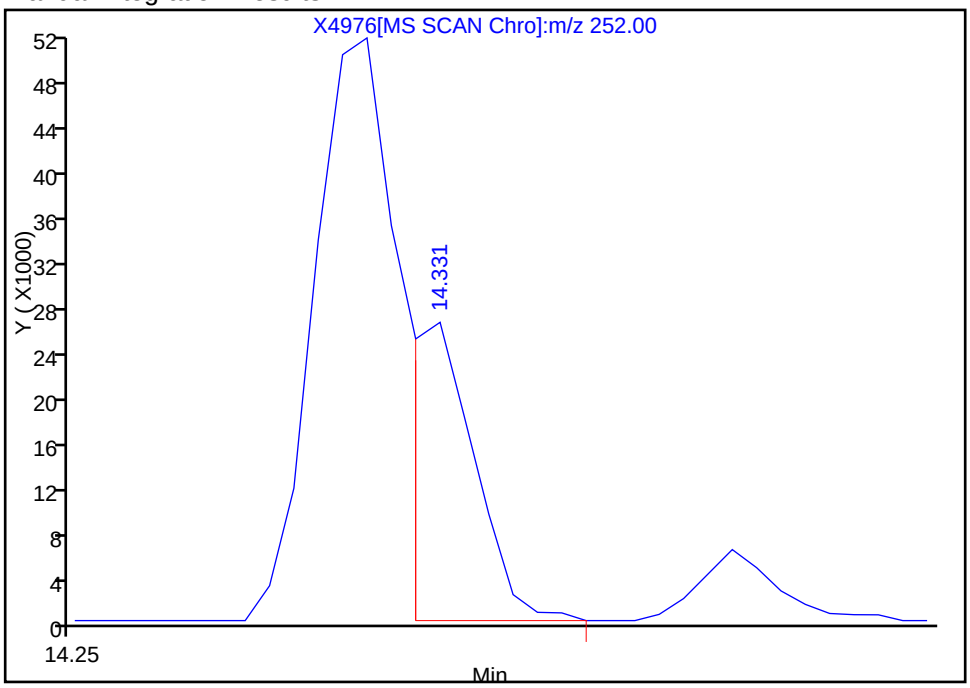
Processing Integration Results

RT: 14.54
Response: 37073
Amount: 6.114911



Manual Integration Results

RT: 14.33
Response: 26527
Amount: 4.375428

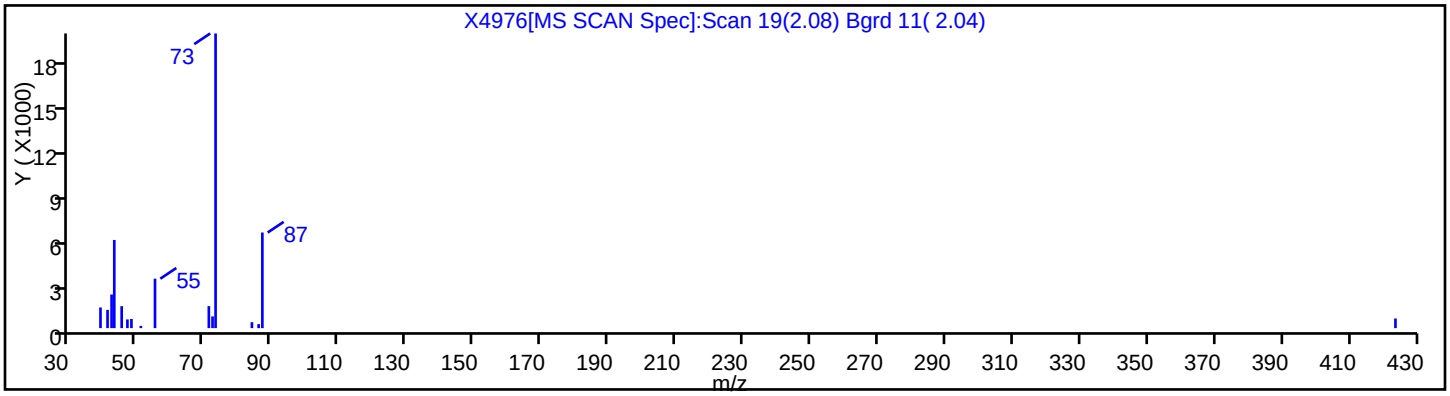


Reviewer: mckernar, 07-Apr-2012 11:28:36
Audit Action: Split an Integrated Peak
Audit Reason: Coelution

Report Date: 07-Apr-2012 11:28:36 Chrom Revision: 2.0 20-Feb-2012 13:27:02

Data File:	\\Bufchrom\ChromData\HP5973X\20120406-10792.b\X4976.D		
Injection Date:	07-Apr-2012 00:37:30	Limit Group:	MB - 8270C ICAL
Client ID:	RB-03 (6"-12")	Instrument ID:	HP5973X
Lims Batch ID:	58507	Lims Sample ID:	26
Operator ID:	RMM	Injection Vol:	1.00 ul
Column Type:	RXI-5Sil MS	Column Dia:	0.25 mm

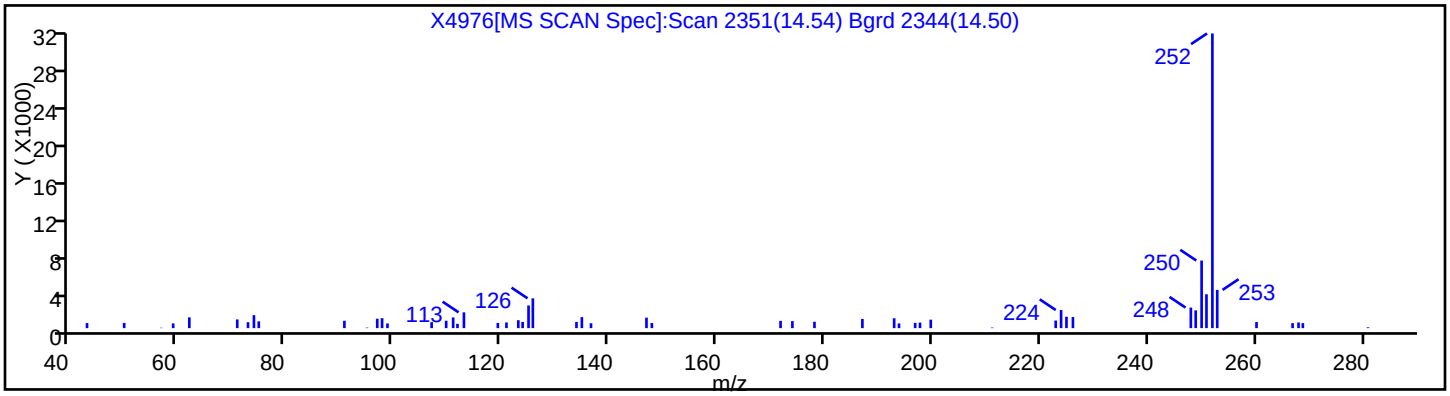
No Library Matches Found above the Threshold: 85



Report Date: 07-Apr-2012 11:28:36 Chrom Revision: 2.0 20-Feb-2012 13:27:02

Data File:	\\Bufchrom\ChromData\HP5973X\20120406-10792.b\X4976.D		
Injection Date:	07-Apr-2012 00:37:30	Limit Group:	MB - 8270C ICAL
Client ID:	RB-03 (6"-12")	Instrument ID:	HP5973X
Lims Batch ID:	58507	Lims Sample ID:	26
Operator ID:	RMM	Injection Vol:	1.00 ul
Column Type:	RXI-5Sil MS	Column Dia:	0.25 mm

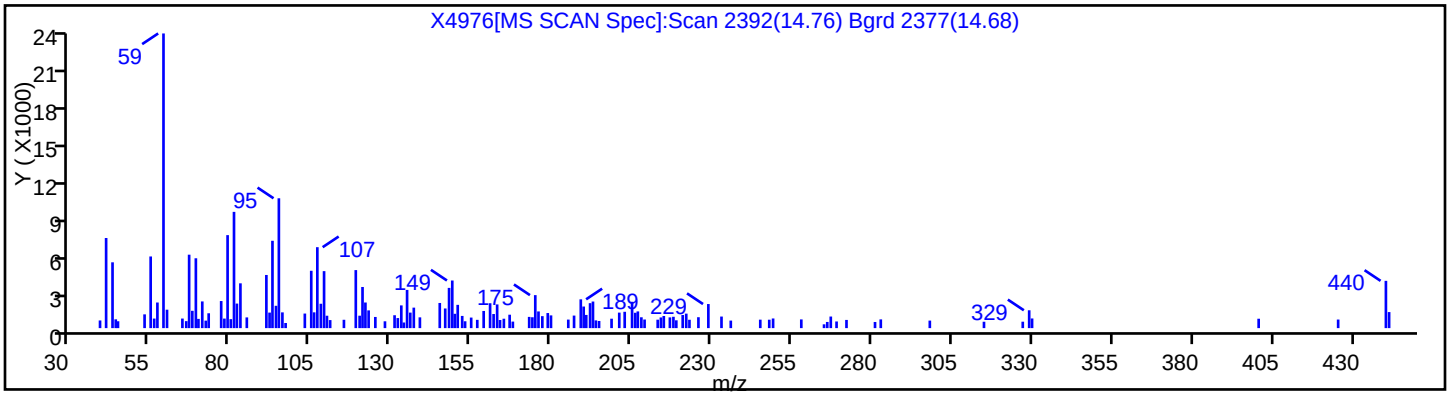
No Library Matches Found above the Threshold: 85



Report Date: 07-Apr-2012 11:28:36 Chrom Revision: 2.0 20-Feb-2012 13:27:02

Data File:	\\Bufchrom\ChromData\HP5973X\20120406-10792.b\X4976.D		
Injection Date:	07-Apr-2012 00:37:30	Limit Group:	MB - 8270C ICAL
Client ID:	RB-03 (6"-12")	Instrument ID:	HP5973X
Lims Batch ID:	58507	Lims Sample ID:	26
Operator ID:	RMM	Injection Vol:	1.00 ul
Column Type:	RXI-5Sil MS	Column Dia:	0.25 mm

No Library Matches Found above the Threshold: 85



FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Buffalo | Job No.: 480-18068-1

SDG No.:

Client Sample ID: RB-03 (12"-24") | Lab Sample ID: 480-18068-3

Matrix: Solid | Lab File ID: X4977.D

Analysis Method: 8270C | Date Collected: 04/02/2012 12:35

Extract. Method: 3550B | Date Extracted: 04/05/2012 10:44

Sample wt/vol: +30.05(g) | Date Analyzed: 04/07/2012 01:01

Con. Extract Vol.: 1(mL) | Dilution Factor: 5

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

% Moisture: 22.9 | GPC Cleanup:(Y/N) N

Analysis Batch No.: 58507 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
95-95-4	2,4,5-Trichlorophenol	ND		1100	240
88-06-2	2,4,6-Trichlorophenol	ND		1100	72
120-83-2	2,4-Dichlorophenol	ND		1100	57
105-67-9	2,4-Dimethylphenol	ND		1100	300
51-28-5	2,4-Dinitrophenol	ND		2100	380
121-14-2	2,4-Dinitrotoluene	ND		1100	170
606-20-2	2,6-Dinitrotoluene	ND		1100	270
91-58-7	2-Chloronaphthalene	ND		1100	73
95-57-8	2-Chlorophenol	ND		1100	56
91-57-6	2-Methylnaphthalene	ND		1100	13
95-48-7	2-Methylphenol	ND		1100	34
88-74-4	2-Nitroaniline	ND		2100	350
88-75-5	2-Nitrophenol	ND		1100	50
91-94-1	3,3'-Dichlorobenzidine	ND		1100	960
99-09-2	3-Nitroaniline	ND		2100	250
534-52-1	4,6-Dinitro-2-methylphenol	ND		2100	380
101-55-3	4-Bromophenyl phenyl ether	ND		1100	350
59-50-7	4-Chloro-3-methylphenol	ND		1100	45
106-47-8	4-Chloroaniline	ND		1100	320
7005-72-3	4-Chlorophenyl phenyl ether	ND		1100	23
106-44-5	4-Methylphenol	ND		2100	61
100-01-6	4-Nitroaniline	ND		2100	120
100-02-7	4-Nitrophenol	ND	*	2100	260
83-32-9	Acenaphthene	360	J	1100	13
208-96-8	Acenaphthylene	ND		1100	8.9
98-86-2	Acetophenone	ND		1100	56
120-12-7	Anthracene	670	J	1100	28
1912-24-9	Atrazine	ND	*	1100	49
100-52-7	Benzaldehyde	ND		1100	120
56-55-3	Benzo(a)anthracene	2000		1100	19
50-32-8	Benzo(a)pyrene	1800		1100	26
205-99-2	Benzo(b)fluoranthene	2100		1100	21
191-24-2	Benzo(g,h,i)perylene	780	J	1100	13
207-08-9	Benzo(k)fluoranthene	1000	J	1100	12

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Buffalo | Job No.: 480-18068-1

SDG No.:

Client Sample ID: RB-03 (12"-24") | Lab Sample ID: 480-18068-3

Matrix: Solid | Lab File ID: X4977.D

Analysis Method: 8270C | Date Collected: 04/02/2012 12:35

Extract. Method: 3550B | Date Extracted: 04/05/2012 10:44

Sample wt/vol: +30.05(g) | Date Analyzed: 04/07/2012 01:01

Con. Extract Vol.: 1(mL) | Dilution Factor: 5

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

% Moisture: 22.9 | GPC Cleanup:(Y/N) N

Analysis Batch No.: 58507 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
92-52-4	Biphenyl	ND		1100	68
108-60-1	bis (2-chloroisopropyl) ether	ND		1100	110
111-91-1	Bis(2-chloroethoxy)methane	ND		1100	59
111-44-4	Bis(2-chloroethyl)ether	ND		1100	94
117-81-7	Bis(2-ethylhexyl) phthalate	ND		1100	350
85-68-7	Butyl benzyl phthalate	ND		1100	290
105-60-2	Caprolactam	ND		1100	470
86-74-8	Carbazole	460	J	1100	13
218-01-9	Chrysene	1900		1100	11
53-70-3	Dibenz(a,h)anthracene	ND		1100	13
132-64-9	Dibenzofuran	230	J	1100	11
84-66-2	Diethyl phthalate	ND		1100	33
131-11-3	Dimethyl phthalate	ND		1100	28
84-74-2	Di-n-butyl phthalate	ND		1100	380
117-84-0	Di-n-octyl phthalate	ND		1100	26
206-44-0	Fluoranthene	3500		1100	16
86-73-7	Fluorene	310	J	1100	25
118-74-1	Hexachlorobenzene	ND		1100	54
87-68-3	Hexachlorobutadiene	ND		1100	56
77-47-4	Hexachlorocyclopentadiene	ND		1100	330
67-72-1	Hexachloroethane	ND		1100	85
193-39-5	Indeno(1,2,3-cd)pyrene	800	J	1100	30
78-59-1	Isophorone	ND		1100	55
91-20-3	Naphthalene	290	J	1100	18
98-95-3	Nitrobenzene	ND		1100	48
621-64-7	N-Nitrosodi-n-propylamine	ND		1100	87
86-30-6	N-Nitrosodiphenylamine	ND		1100	60
87-86-5	Pentachlorophenol	ND		2100	370
85-01-8	Phenanthrene	3200		1100	23
108-95-2	Phenol	ND		1100	110
129-00-0	Pyrene	3200		1100	7.1

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Buffalo | Job No.: 480-18068-1

SDG No.:

Client Sample ID: RB-03 (12"-24") | Lab Sample ID: 480-18068-3

Matrix: Solid | Lab File ID: X4977.D

Analysis Method: 8270C | Date Collected: 04/02/2012 12:35

Extract. Method: 3550B | Date Extracted: 04/05/2012 10:44

Sample wt/vol: +30.05(g) | Date Analyzed: 04/07/2012 01:01

Con. Extract Vol.: 1(mL) | Dilution Factor: 5

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

% Moisture: 22.9 | GPC Cleanup:(Y/N) N

Analysis Batch No.: 58507 | Units: ug/Kg

CAS NO.	SURROGATE	%REC	Q	LIMITS
118-79-6	2,4,6-Tribromophenol	92		39-146
321-60-8	2-Fluorobiphenyl	75		37-120
367-12-4	2-Fluorophenol	61		18-120
4165-60-0	Nitrobenzene-d5	71		34-132
4165-62-2	Phenol-d5	68		11-120
1718-51-0	p-Terphenyl-d14	94		65-153

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

Lab Name: TestAmerica Buffalo | Job No.: 480-18068-1

SDG No.:

Client Sample ID: RB-03 (12"-24") | Lab Sample ID: 480-18068-3

Matrix: Solid | Lab File ID: X4977.D

Analysis Method: 8270C | Date Collected: 04/02/2012 12:35

Extract. Method: 3550B | Date Extracted: 04/05/2012 10:44

Sample wt/vol: +30.05(g) | Date Analyzed: 04/07/2012 01:01

Con. Extract Vol.: 1(mL) | Dilution Factor: 5

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

% Moisture: 22.9 | GPC Cleanup:(Y/N) N

Analysis Batch No.: 58507 | Units: ug/Kg

Number TICs Found: 2 | TIC Result Total: 3200

CAS NO.	COMPOUND NAME	RT	RESULT	Q
	Unknown	2.08	2100	T J
192-97-2	Benzo[e]pyrene	14.53	1100	T J N

TestAmerica Laboratories
Target Compound Quantitation Report

Data File: \\Bufchrom\ChromData\HP5973X\20120406-10792.b\X4977.D
Lims ID: 480-18068-C-3-E
Client ID: RB-03 (12"-24")
Inject. Date: 07-Apr-2012 01:01:30
Dil. Factor: 5.0000
Sample Type: Client
Sample ID: 480-0010792-027
Misc. Info.:
Operator: RMM
Instrument ID: HP5973X
Vol. Injected: 1.0000
ALS Bottle#: 28
Lims Batch ID: 58507
Lims Sample ID: 27
Detector: MS SCAN

Method: \\Bufchrom\ChromData\HP5973X\20120406-10792.b\X-8270.m
Last Update: 07-Apr-2012 11:31:00
Calib Date: 03-Apr-2012 15:26:30
Quant Method: Internal Standard
Quant By: Initial Calibration
Last ICal File: \\Bufchrom\ChromData\HP5973X\20120403-10684.b\X4785.D
Limit Group: MB - 8270C ICAL
Integrator: RTE
ID Type: Deconvolution ID
Process Host: CORP-CTX-16

First Level Reviewer: mckernar
Date: 07-Apr-2012 11:31:00

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ng/uL	Flags
* 1 1,4-Dichlorobenzene-d4	152	5.794	5.810	-0.016	95	57323	40.0	
* 2 Naphthalene-d8	136	7.322	7.322	0.0	92	236298	40.0	
* 3 Acenaphthene-d10	164	9.390	9.400	-0.010	59	161811	40.0	
* 4 Phenanthrene-d10	188	11.024	11.024	0.0	99	259669	40.0	
* 5 Chrysene-d12	240	13.434	13.417	0.017	99	200387	40.0	
* 6 Perylene-d12	264	14.630	14.614	0.016	97	233697	40.0	
$ 7 2-Fluorophenol	112	4.234	4.239	-0.005	88	32795	18.2	
$ 8 Phenol-d5	99	5.431	5.431	0.0	77	50531	20.3	
$ 9 Nitrobenzene-d5	82	6.478	6.478	0.0	86	41054	14.2	
$ 10 2-Fluorobiphenyl	172	8.610	8.615	-0.005	99	73774	14.9	
$ 11 2,4,6-Tribromophenol	330	10.308	10.308	0.0	43	22176	27.7	
$ 12 p-Terphenyl-d14	244	12.525	12.509	0.016	95	83268	18.7	
62 Benzaldehyde	77		5.286					
63 Phenol	94		5.447					
66 Bis(2-chloroethyl)ether	93		5.505					
67 2-Chlorophenol	128		5.564					
74 2,2'-oxybis[1-chloropropane]	45		6.157					
73 2-Methylphenol	108		6.163					
76 Acetophenone	105		6.307					
78 N-Nitrosodi-n-propylamine	70		6.312					
79 4-Methylphenol	108		6.355					
81 Hexachloroethane	117		6.398					
83 Nitrobenzene	77		6.499					
86 Isophorone	82		6.793					
87 2-Nitrophenol	139		6.878					
89 2,4-Dimethylphenol	107		6.980					
94 Bis(2-chloroethoxy)methane	93		7.065					
97 2,4-Dichlorophenol	162		7.194					
99 Naphthalene	128	7.343	7.343	0.0	16	7816	1.36	
101 4-Chloroaniline	127		7.445					
104 Hexachlorobutadiene	225		7.498					

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ng/uL	Flags
105 Caprolactam	113		7.872					
110 4-Chloro-3-methylphenol	107		8.059					
113 2-Methylnaphthalene	142		8.171					
116 Hexachlorocyclopentadiene	237		8.353					
118 2,4,6-Trichlorophenol	196		8.529					
119 2,4,5-Trichlorophenol	196		8.599					
123 1,1'-Biphenyl	154		8.732					
124 2-Chloronaphthalene	162		8.743					
125 2-Nitroaniline	65		8.903					
128 Dimethyl phthalate	163		9.122					
130 2,6-Dinitrotoluene	165		9.197					
131 Acenaphthylene	152		9.229					
132 3-Nitroaniline	138		9.400					
133 Acenaphthene	153	9.432	9.432	0.0	68	6685	1.69	
134 2,4-Dinitrophenol	184		9.528					
138 Dibenzofuran	168	9.646	9.640	0.006	25	6269	1.06	
137 2,4-Dinitrotoluene	165		9.672					
135 4-Nitrophenol	109		9.683					
142 Diethyl phthalate	149		9.950					
144 Fluorene	166	10.036	10.036	0.0	67	7202	1.42	
145 4-Chlorophenyl phenyl ether	204		10.046					
147 4-Nitroaniline	138		10.110					
148 4,6-Dinitro-2-methylphenol	198		10.132					
149 N-Nitrosodiphenylamine	169		10.185					
159 4-Bromophenyl phenyl ether	248		10.565					
160 Hexachlorobenzene	284		10.618					
163 Atrazine	200		10.784					
165 Pentachlorophenol	266		10.848					
171 Phenanthrene	178	11.046	11.035	0.011	99	102342	14.8	
172 Anthracene	178	11.104	11.088	0.016	87	21309	3.11	
173 Carbazole	167	11.286	11.270	0.016	61	12816	2.11	
176 Di-n-butyl phthalate	149		11.612					
182 Fluoranthene	202	12.178	12.162	0.016	99	116098	16.2	
185 Pyrene	202	12.381	12.360	0.021	99	89759	15.0	
192 Butyl benzyl phthalate	149		12.937					
196 3,3'-Dichlorobenzidine	252		13.396					
197 Benzo[a]anthracene	228	13.423	13.412	0.011	58	51181	9.22	
198 Bis(2-ethylhexyl) phthalate	149		13.428					
199 Chrysene	228	13.455	13.444	0.011	96	43641	8.76	
201 Di-n-octyl phthalate	149		13.968					
203 Benzo[b]fluoranthene	252	14.310	14.315	-0.005	89	62743	9.53	M
204 Benzo[k]fluoranthene	252	14.320	14.336	-0.016	86	33497	4.79	M
206 Benzo[a]pyrene	252	14.582	14.587	-0.005	98	45010	8.15	
208 Indeno[1,2,3-cd]pyrene	276	15.624	15.634	-0.010	76	25986	3.69	
209 Dibenz(a,h)anthracene	278		15.640					
210 Benzo[g,h,i]perylene	276	15.896	15.917	-0.021	75	20890	3.61	

QC Flag Legend

Review Flags
M - Manually Integrated

TestAmerica Laboratories
Tentatively Identified Quantitation Report

Data File:	\\Bufchrom\ChromData\HP5973X\20120406-10792.b\X4977.D		
Lims ID:	480-18068-C-3-E	Client ID:	RB-03 (12"-24")
Inject. Date:	07-Apr-2012 01:01:30	Dil. Factor:	5.0000
Sample Type:	Client		
Sample ID:	480-0010792-027		
Misc. Info.:			
Operator:	RMM	Instrument ID:	HP5973X
Vol. Injected:	1.0000	ALS Bottle#:	28
Lims Batch ID:	58507	Lims Sample ID:	27
Detector:	MS SCAN		
Method:	\\Bufchrom\ChromData\HP5973X\20120406-10792.b\X-8270.m		
Last Update:	07-Apr-2012 11:31:00	Calib Date:	03-Apr-2012 15:26:30
Tic RT Window:	1.500 -0.000	Response:	area
Quant By:	Nearest ISTD	Quant LOD:	10.00000
MS Library:	\\Bufchrom\ChromData\Database\NIST98.L		
Min. Match:	85		
Process Host:	CORP-CTX-16		
First Level Reviewer: mckernar		Date:	07-Apr-2012 11:31:00

Calibrated Tentative Identified Compound Results

Compound	RT	Response	Amount ng/uL	Flags
Anthraquinone	11.836	4235	2.10	

Tentative Identified Compound Results

RT	Response	Amount ng/uL	Quant Cpnd	Qual	Lib Entry	Flags
	Unknown					
2.076	119948	9.78	1			
	192-97-2	Benzo[e]pyrene				
14.534	85179	5.17	6	90	127650	

Quantitation Compounds

Compound	RT	Response	Amount ng/uL
* 1 1,4-Dichlorobenzene-d4	5.794	490714	40.0
* 6 Perylene-d12	14.630	658442	40.0

QC Flag Legend

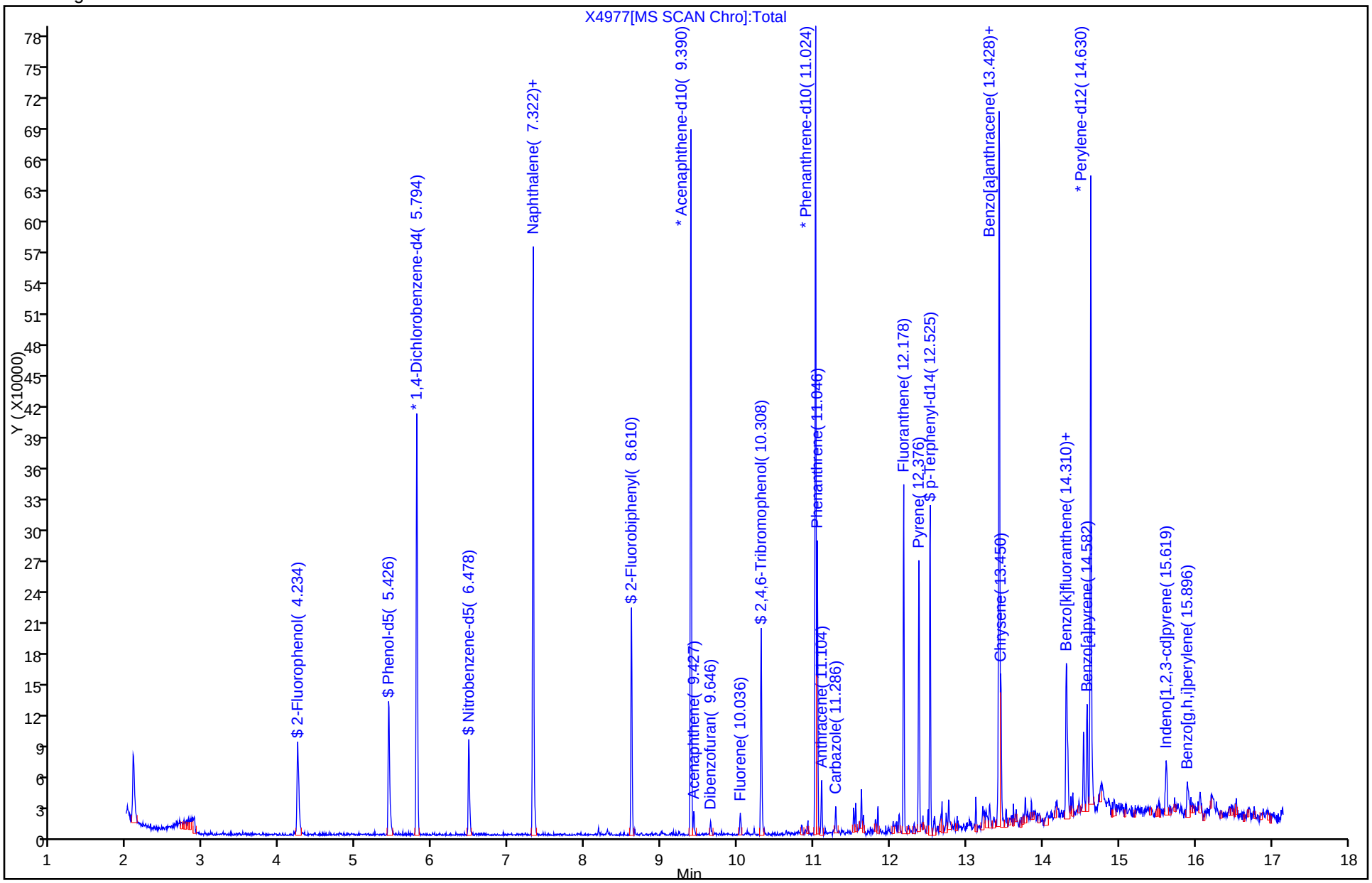
Processing Flags

Report Date: 07-Apr-2012 11:31:00 Chrom Revision: 2.0 20-Feb-2012 13:27:02

Data File: \\Bufchrom\ChromData\HP5973X\20120406-10792.b\X4977.D

Injection Date:	07-Apr-2012 01:01:30	Limit Group:	MB - 8270C ICAL
Client ID:	RB-03 (12"-24")	Instrument ID:	HP5973X
Lims Batch ID:	58507	Lims Sample ID:	27
Operator ID:	RMM	Injection Vol:	1.00 ul
Column Type:	RXI-5Sil MS	Column Dia:	0.25 mm

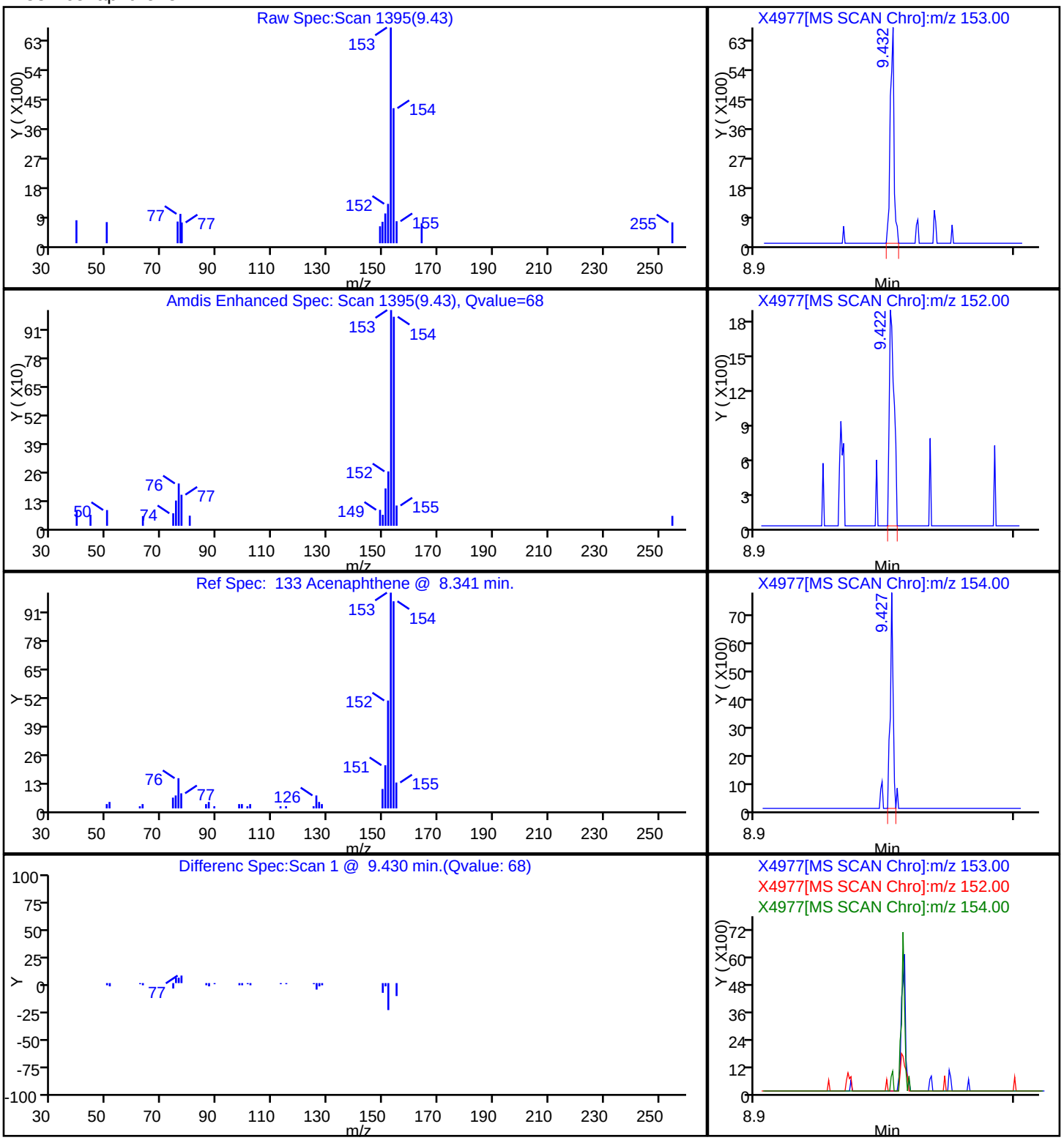
Y Scaling:



Report Date: 07-Apr-2012 11:31:00 Chrom Revision: 2.0 20-Feb-2012 13:27:02

Data File:	\\Bufchrom\ChromData\HP5973X\20120406-10792.b\X4977.D		
Injection Date:	07-Apr-2012 01:01:30	Limit Group:	MB - 8270C ICAL
Client ID:	RB-03 (12"-24")	Instrument ID:	HP5973X
Lims Batch ID:	58507	Lims Sample ID:	27
Operator ID:	RMM	Injection Vol:	1.00 ul
Column Type:	RXI-5Sil MS	Column Dia:	0.25 mm

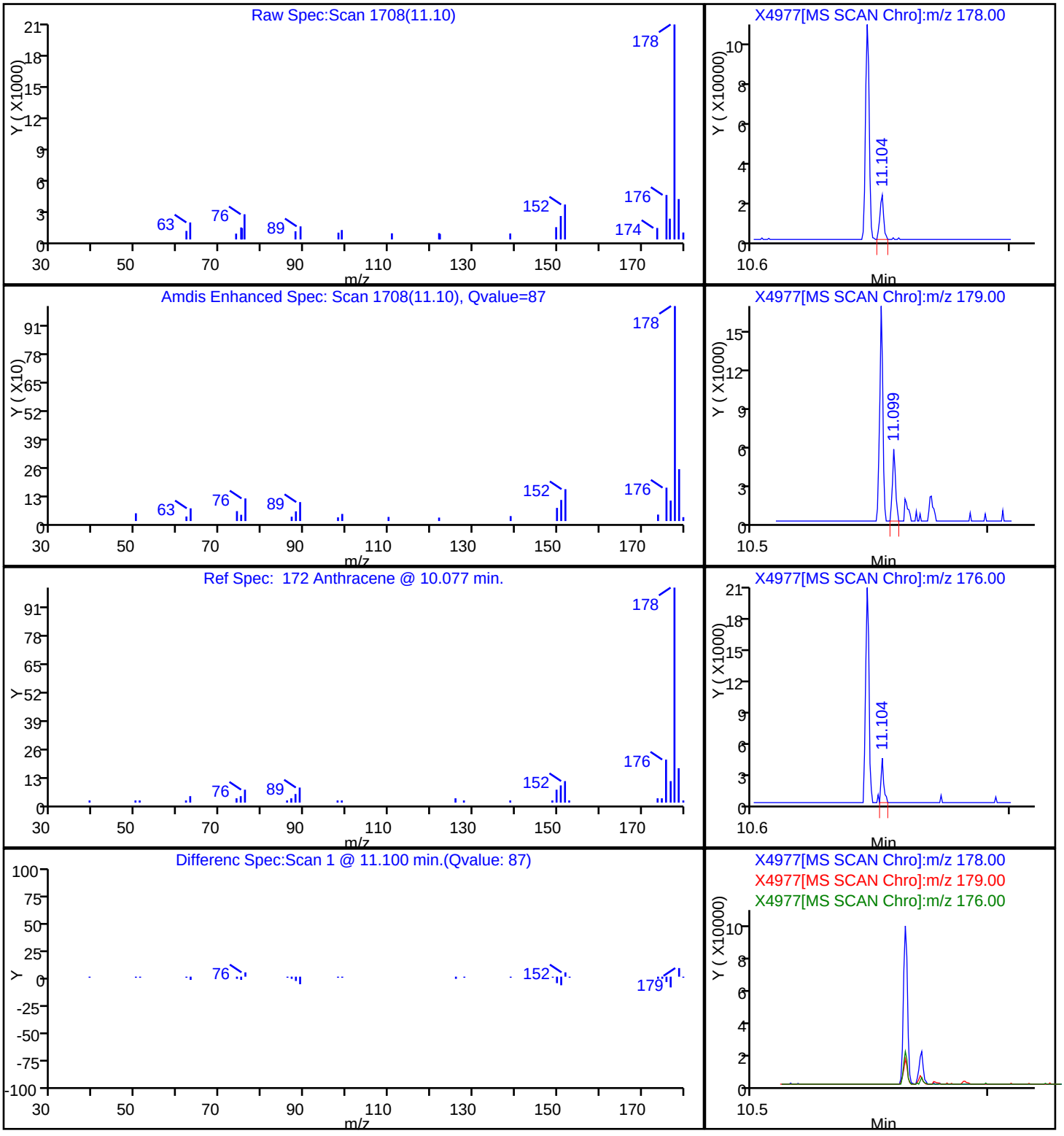
133 Acenaphthene



Report Date: 07-Apr-2012 11:31:00 Chrom Revision: 2.0 20-Feb-2012 13:27:02

Data File:	\\Bufchrom\ChromData\HP5973X\20120406-10792.b\X4977.D		
Injection Date:	07-Apr-2012 01:01:30	Limit Group:	MB - 8270C ICAL
Client ID:	RB-03 (12"-24")	Instrument ID:	HP5973X
Lims Batch ID:	58507	Lims Sample ID:	27
Operator ID:	RMM	Injection Vol:	1.00 ul
Column Type:	RXI-5Sil MS	Column Dia:	0.25 mm

172 Anthracene

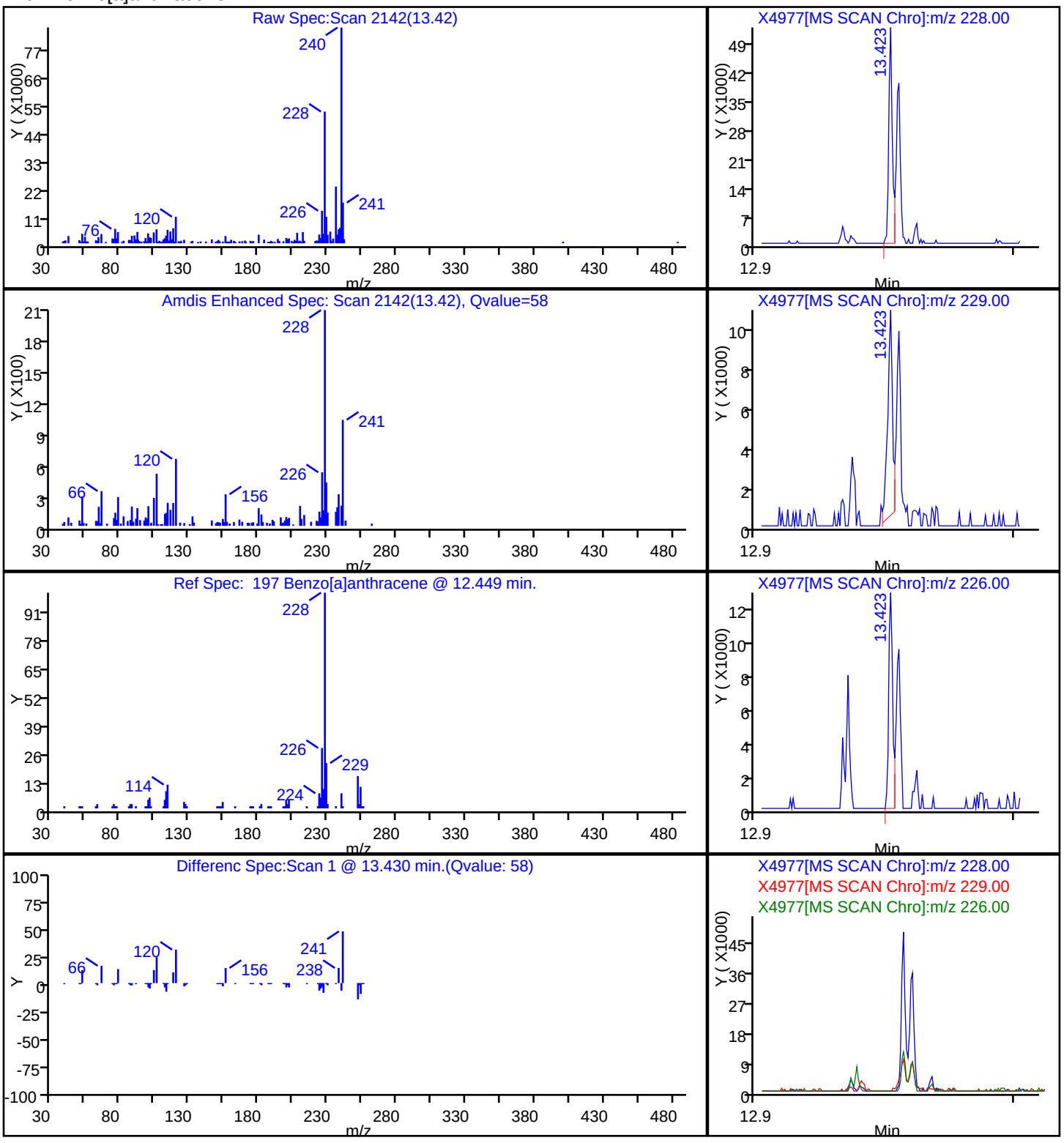


Report Date: 07-Apr-2012 11:31:00 Chrom Revision: 2.0 20-Feb-2012 13:27:02

Data File: \\Bufchrom\ChromData\HP5973X\20120406-10792.b\X4977.D

Injection Date:	07-Apr-2012 01:01:30	Limit Group:	MB - 8270C ICAL
Client ID:	RB-03 (12"-24")	Instrument ID:	HP5973X
Lims Batch ID:	58507	Lims Sample ID:	27
Operator ID:	RMM	Injection Vol:	1.00 ul
Column Type:	RXI-5Sil MS	Column Dia:	0.25 mm

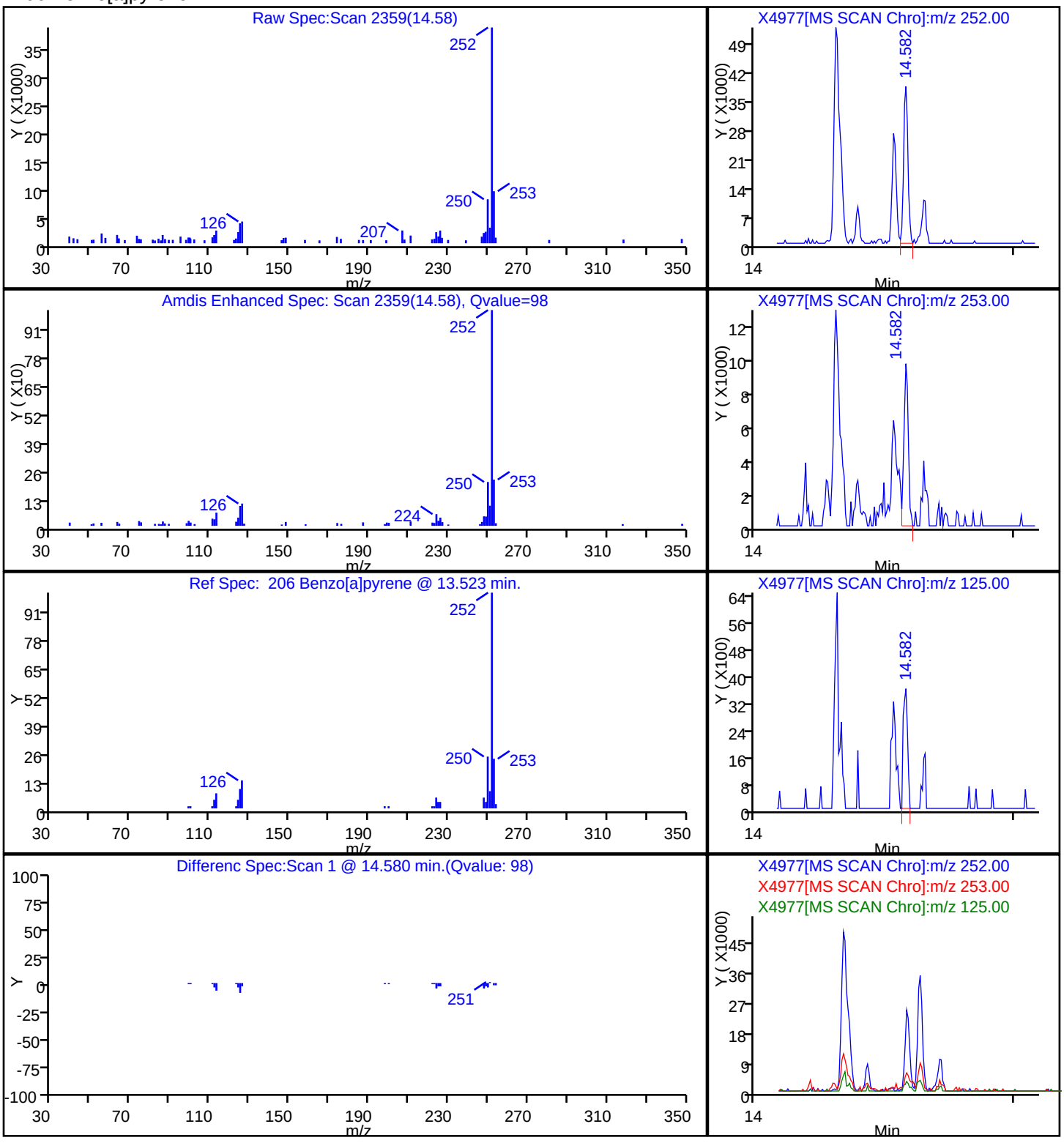
197 Benzo[a]anthracene



Report Date: 07-Apr-2012 11:31:00 Chrom Revision: 2.0 20-Feb-2012 13:27:02

Data File:	\\Bufchrom\ChromData\HP5973X\20120406-10792.b\X4977.D		
Injection Date:	07-Apr-2012 01:01:30	Limit Group:	MB - 8270C ICAL
Client ID:	RB-03 (12"-24")	Instrument ID:	HP5973X
Lims Batch ID:	58507	Lims Sample ID:	27
Operator ID:	RMM	Injection Vol:	1.00 ul
Column Type:	RXI-5Sil MS	Column Dia:	0.25 mm

206 Benzo[a]pyrene

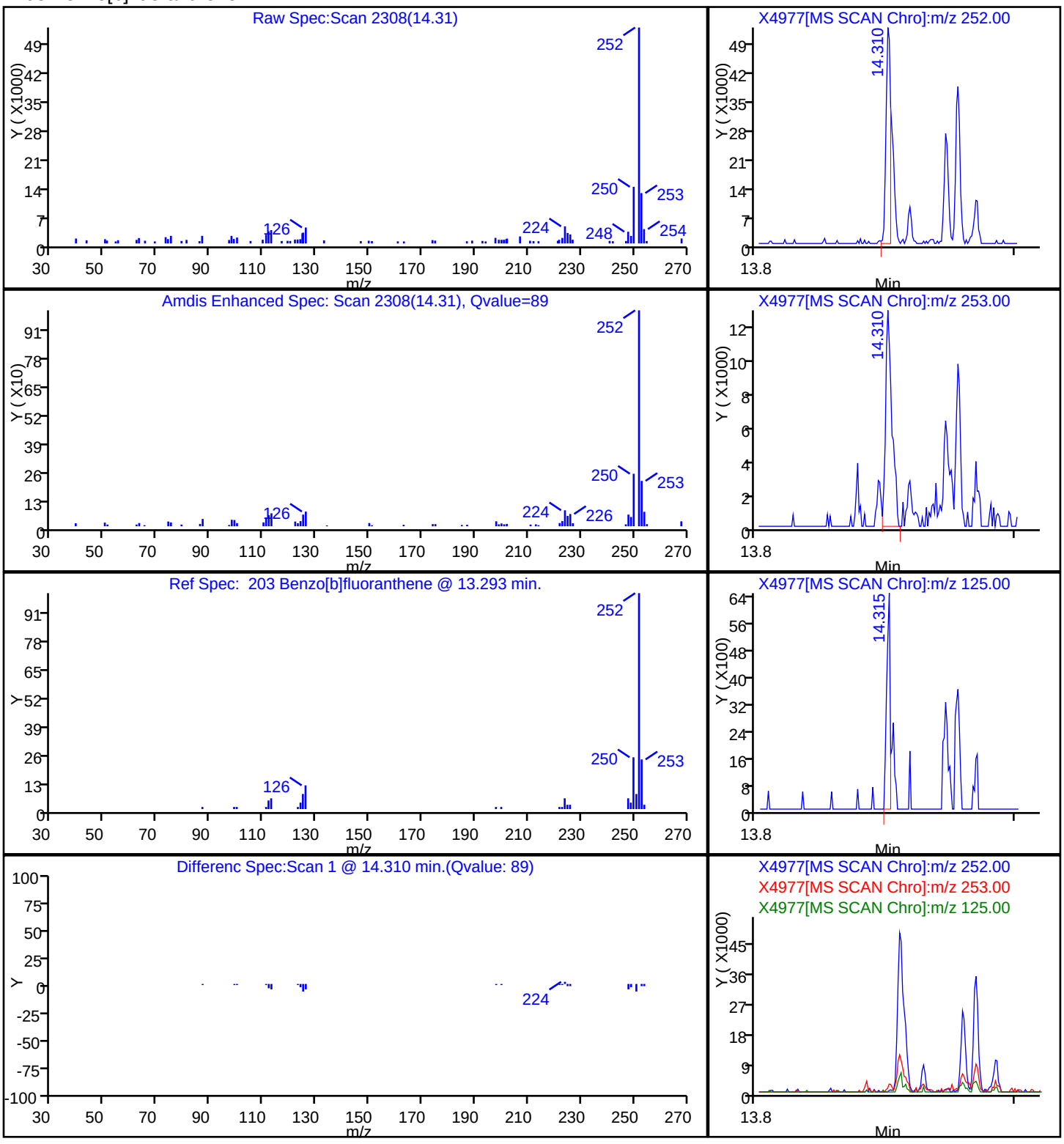


Report Date: 07-Apr-2012 11:31:00 Chrom Revision: 2.0 20-Feb-2012 13:27:02

Data File: \\Bufchrom\ChromData\HP5973X\20120406-10792.b\X4977.D

Injection Date:	07-Apr-2012 01:01:30	Limit Group:	MB - 8270C ICAL
Client ID:	RB-03 (12"-24")	Instrument ID:	HP5973X
Lims Batch ID:	58507	Lims Sample ID:	27
Operator ID:	RMM	Injection Vol:	1.00 ul
Column Type:	RXI-5Sil MS	Column Dia:	0.25 mm

203 Benzo[b]fluoranthene

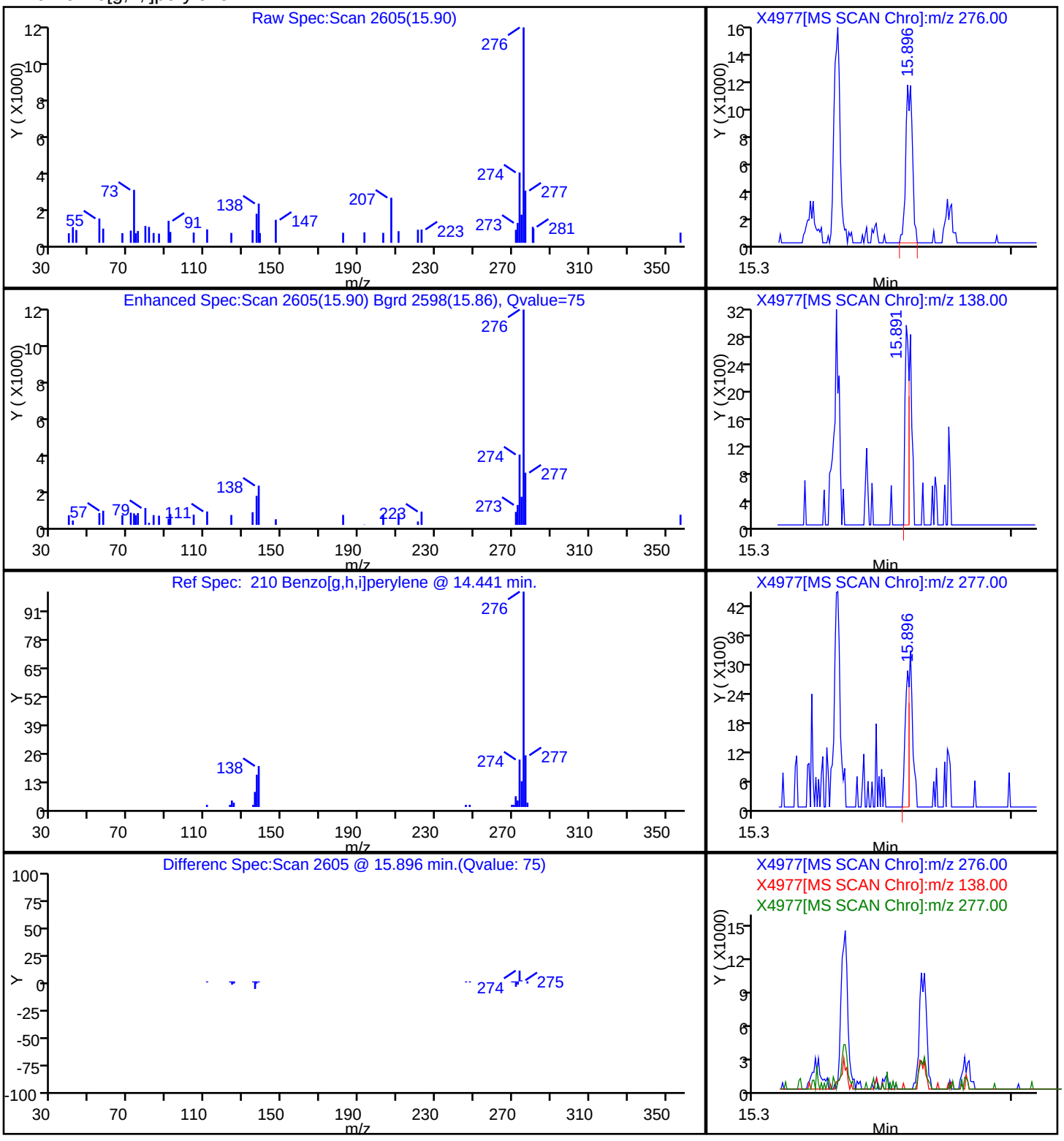


Report Date: 07-Apr-2012 11:31:00 Chrom Revision: 2.0 20-Feb-2012 13:27:02

Data File: \\Bufchrom\ChromData\HP5973X\20120406-10792.b\X4977.D

Injection Date:	07-Apr-2012 01:01:30	Limit Group:	MB - 8270C ICAL
Client ID:	RB-03 (12"-24")	Instrument ID:	HP5973X
Lims Batch ID:	58507	Lims Sample ID:	27
Operator ID:	RMM	Injection Vol:	1.00 ul
Column Type:	RXI-5Sil MS	Column Dia:	0.25 mm

210 Benzo[g,h,i]perylene

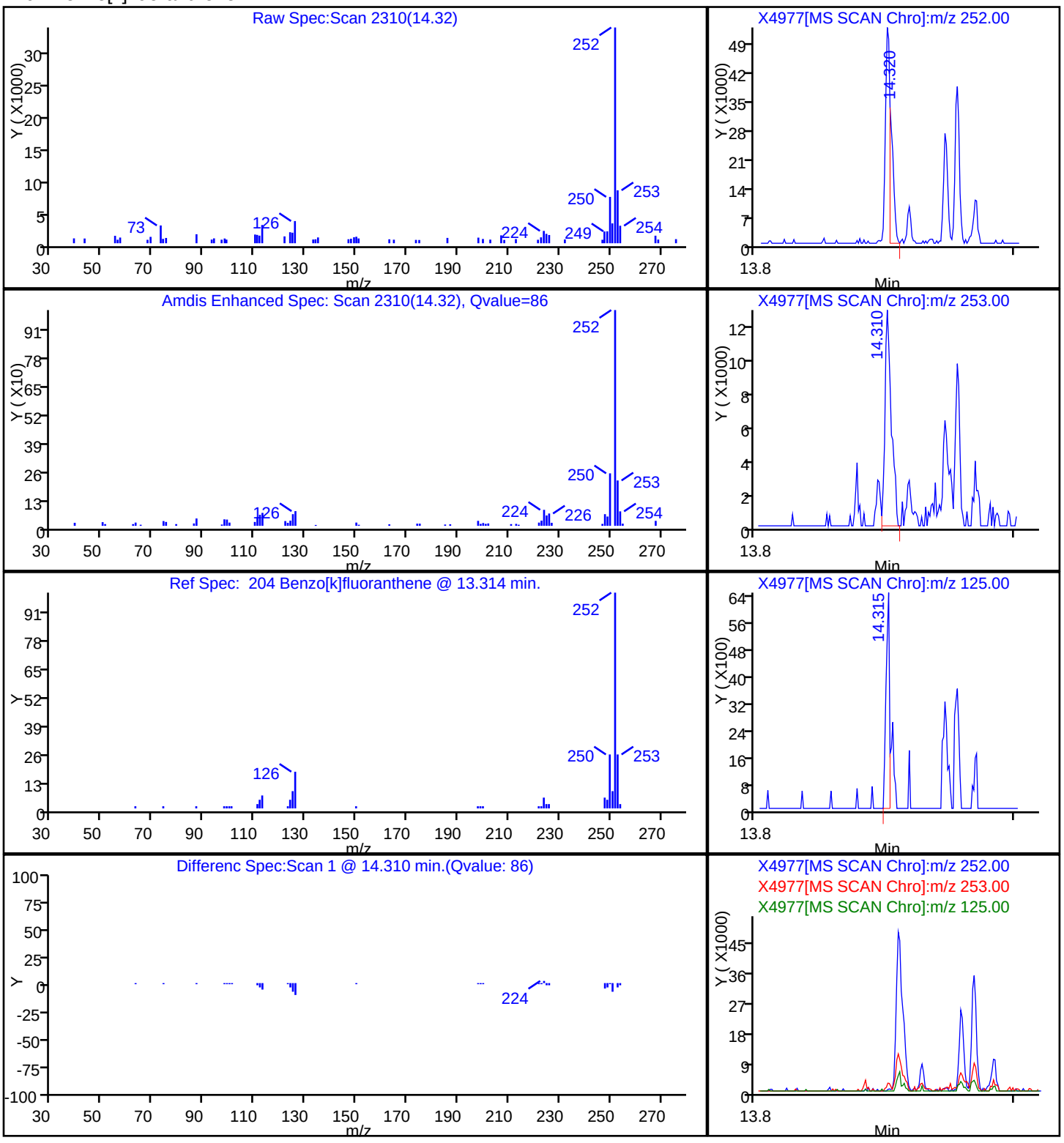


Report Date: 07-Apr-2012 11:31:00 Chrom Revision: 2.0 20-Feb-2012 13:27:02

Data File: \\Bufchrom\ChromData\HP5973X\20120406-10792.b\X4977.D

Injection Date:	07-Apr-2012 01:01:30	Limit Group:	MB - 8270C ICAL
Client ID:	RB-03 (12"-24")	Instrument ID:	HP5973X
Lims Batch ID:	58507	Lims Sample ID:	27
Operator ID:	RMM	Injection Vol:	1.00 ul
Column Type:	RXI-5Sil MS	Column Dia:	0.25 mm

204 Benzo[k]fluoranthene

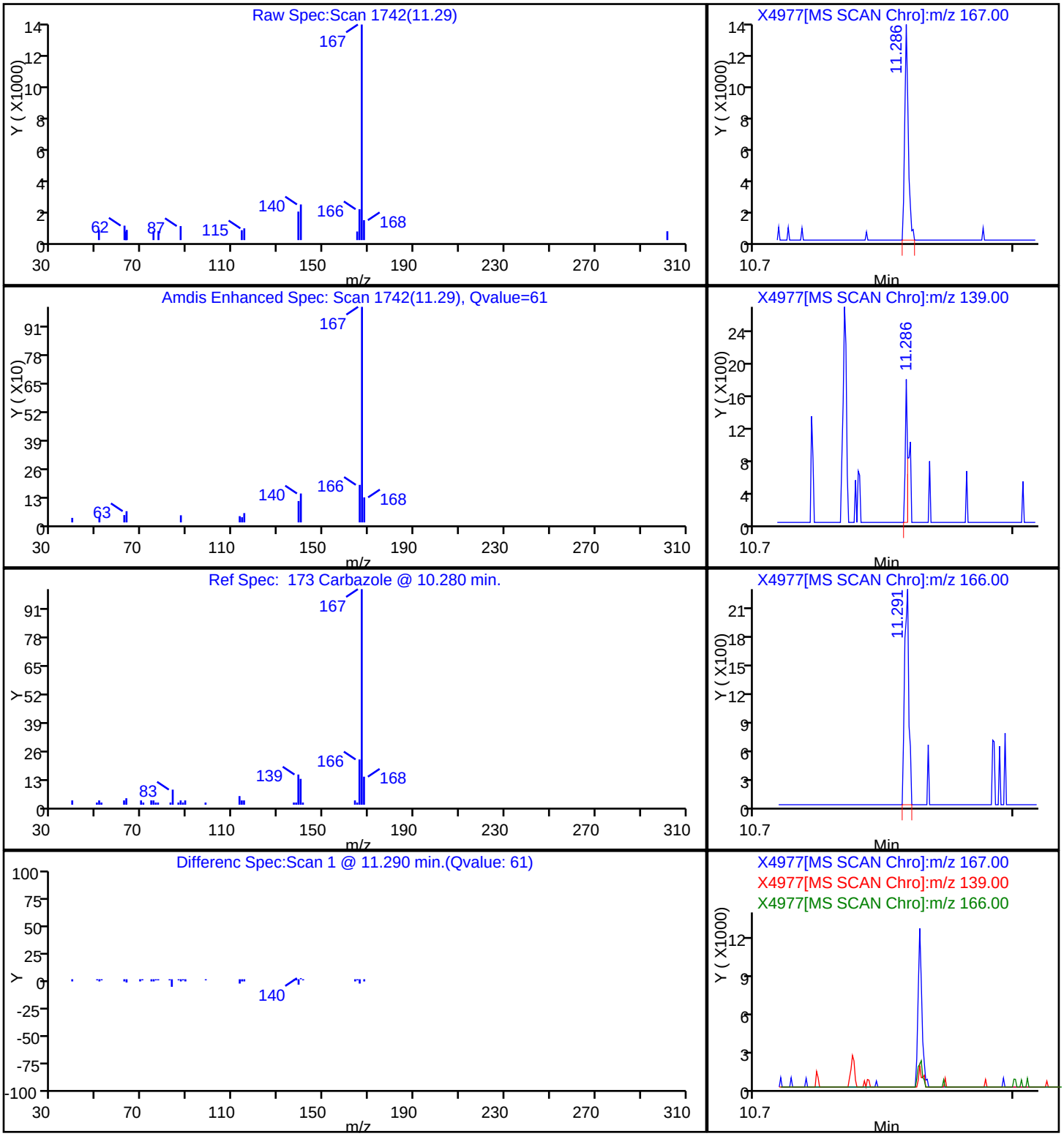


Report Date: 07-Apr-2012 11:31:00 Chrom Revision: 2.0 20-Feb-2012 13:27:02

Data File: \\Bufchrom\ChromData\HP5973X\20120406-10792.b\X4977.D

Injection Date:	07-Apr-2012 01:01:30	Limit Group:	MB - 8270C ICAL
Client ID:	RB-03 (12"-24")	Instrument ID:	HP5973X
Lims Batch ID:	58507	Lims Sample ID:	27
Operator ID:	RMM	Injection Vol:	1.00 ul
Column Type:	RXI-5Sil MS	Column Dia:	0.25 mm

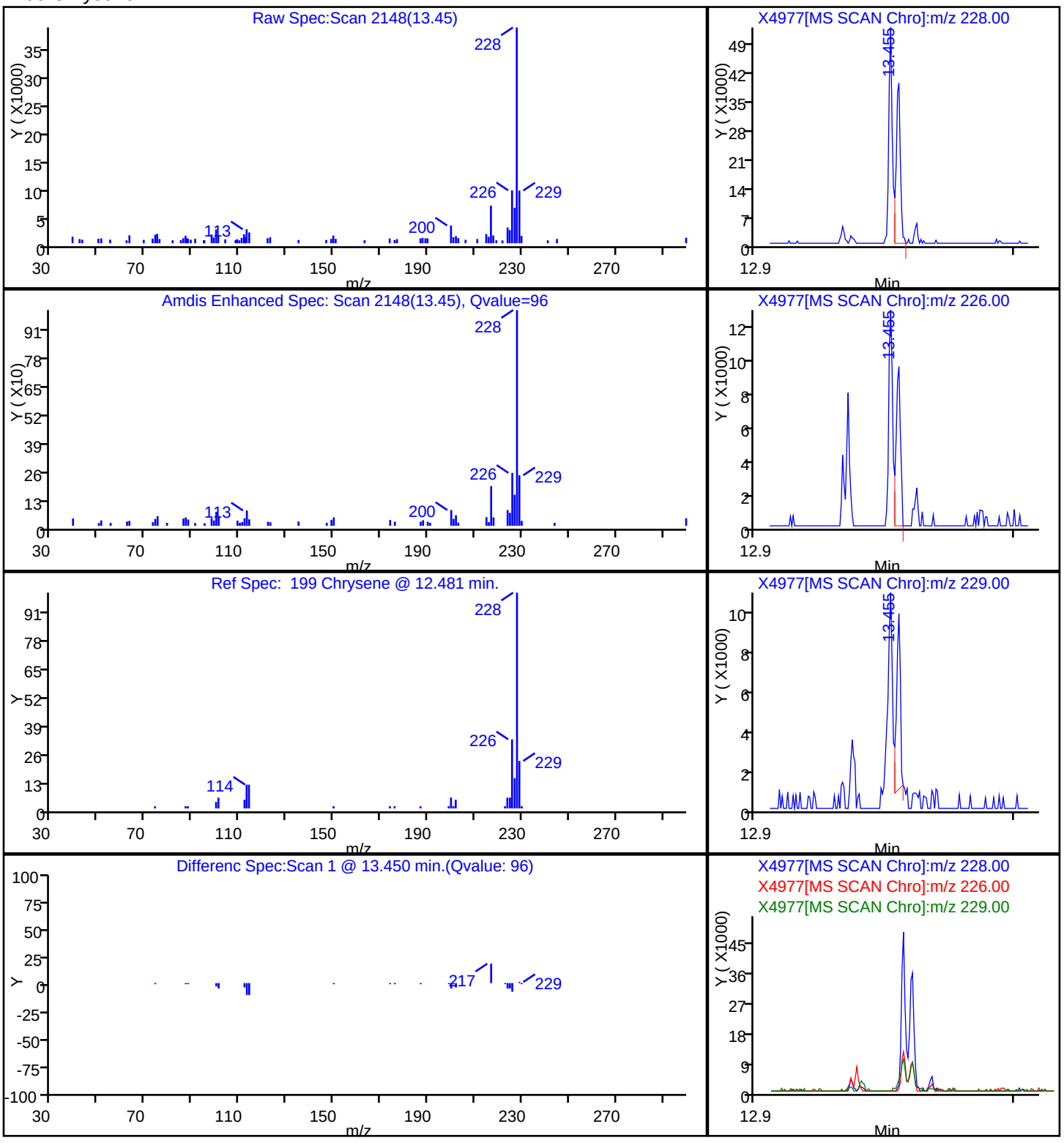
173 Carbazole



Report Date: 07-Apr-2012 11:31:00 Chrom Revision: 2.0 20-Feb-2012 13:27:02

Data File:	\\Bufchrom\ChromData\HP5973X\20120406-10792.b\X4977.D		
Injection Date:	07-Apr-2012 01:01:30	Limit Group:	MB - 8270C ICAL
Client ID:	RB-03 (12"-24")	Instrument ID:	HP5973X
Lims Batch ID:	58507	Lims Sample ID:	27
Operator ID:	RMM	Injection Vol:	1.00 ul
Column Type:	RXI-5Sil MS	Column Dia:	0.25 mm

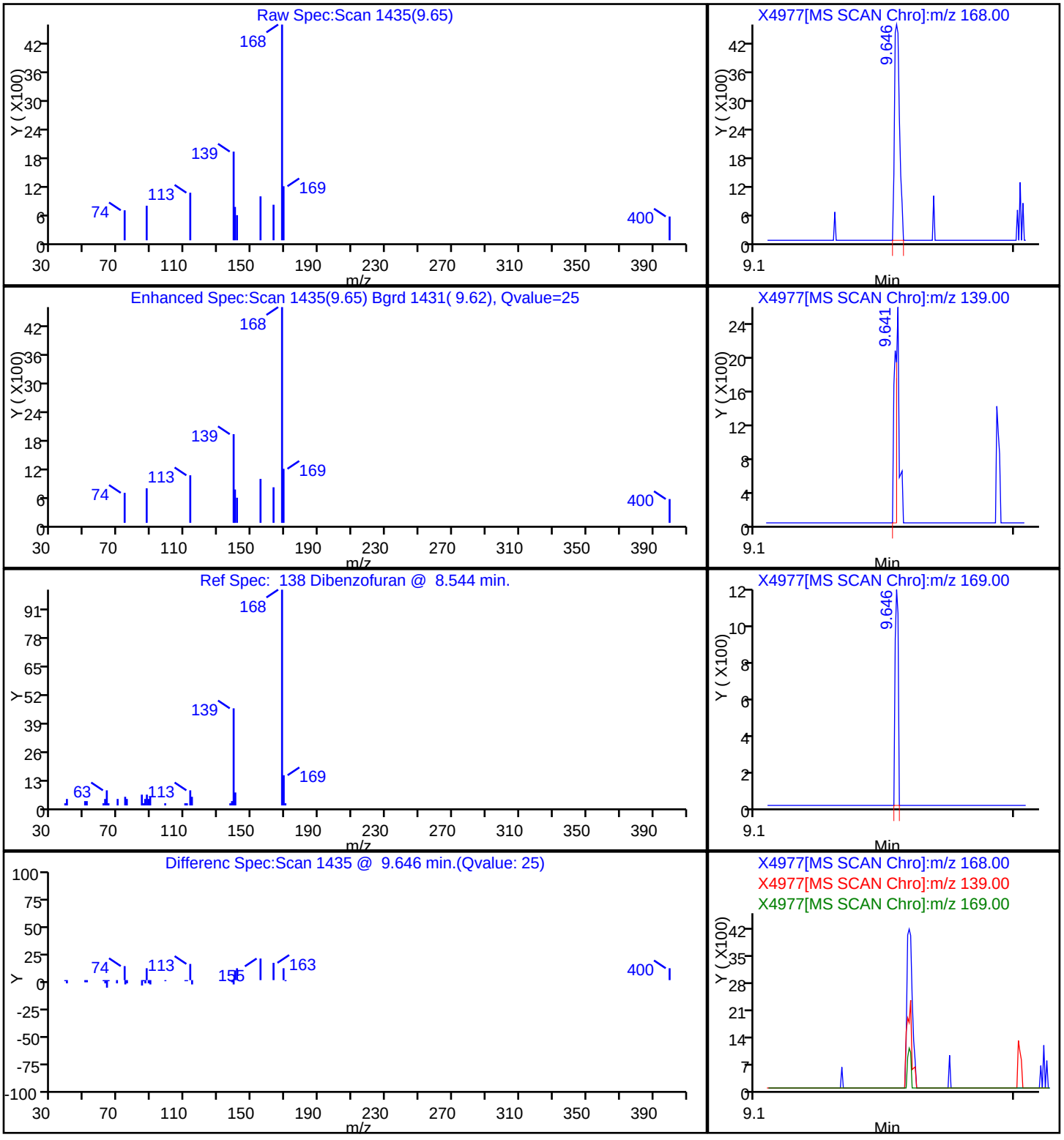
199 Chrysene



Report Date: 07-Apr-2012 11:31:00 Chrom Revision: 2.0 20-Feb-2012 13:27:02

Data File:	\\Bufchrom\ChromData\HP5973X\20120406-10792.b\X4977.D		
Injection Date:	07-Apr-2012 01:01:30	Limit Group:	MB - 8270C ICAL
Client ID:	RB-03 (12"-24")	Instrument ID:	HP5973X
Lims Batch ID:	58507	Lims Sample ID:	27
Operator ID:	RMM	Injection Vol:	1.00 ul
Column Type:	RXI-5Sil MS	Column Dia:	0.25 mm

138 Dibenzofuran

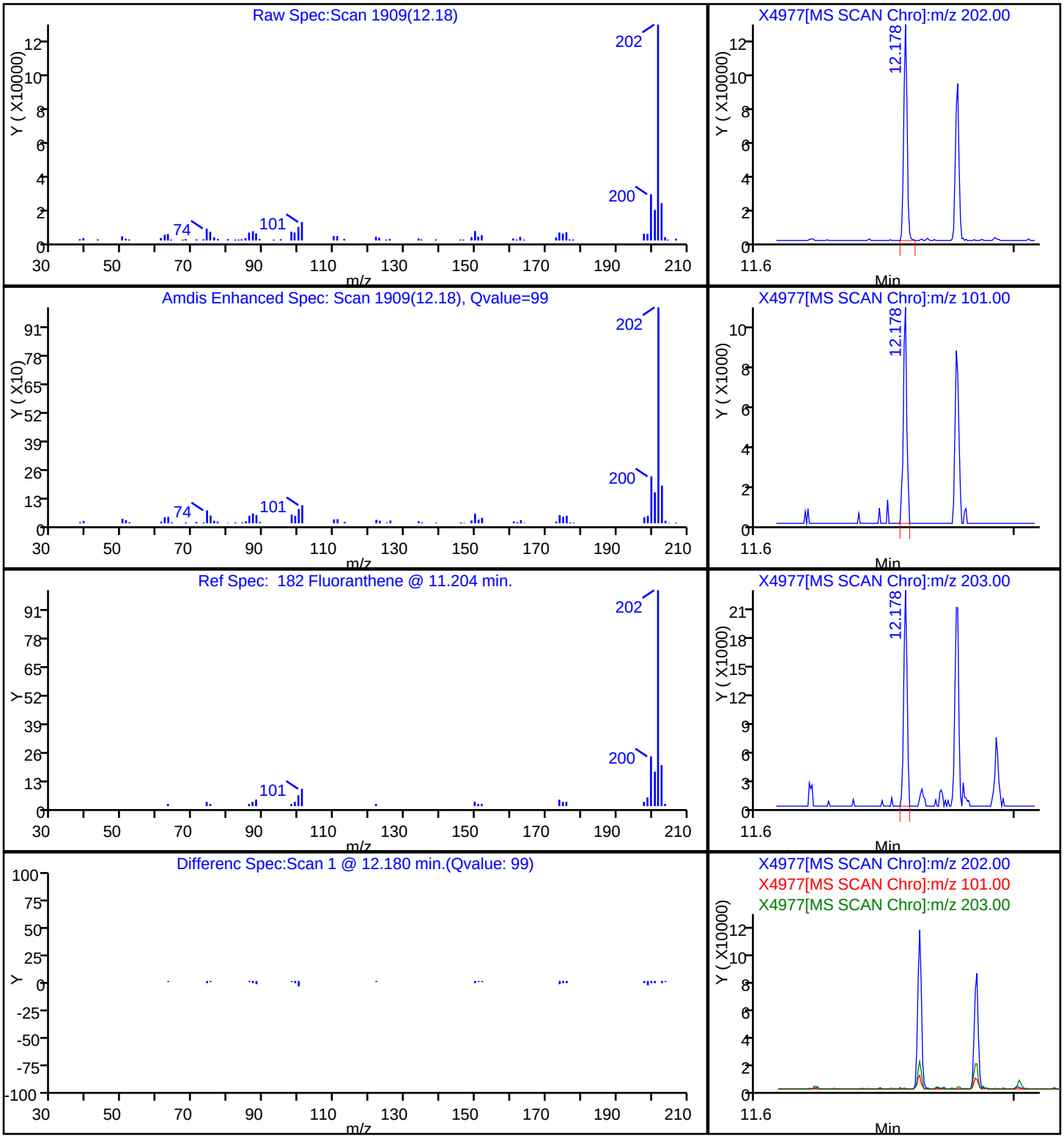


Report Date: 07-Apr-2012 11:31:00 Chrom Revision: 2.0 20-Feb-2012 13:27:02

Data File: \\Bufchrom\ChromData\HP5973X\20120406-10792.b\X4977.D

Injection Date:	07-Apr-2012 01:01:30	Limit Group:	MB - 8270C ICAL
Client ID:	RB-03 (12"-24")	Instrument ID:	HP5973X
Lims Batch ID:	58507	Lims Sample ID:	27
Operator ID:	RMM	Injection Vol:	1.00 ul
Column Type:	RXI-5Sil MS	Column Dia:	0.25 mm

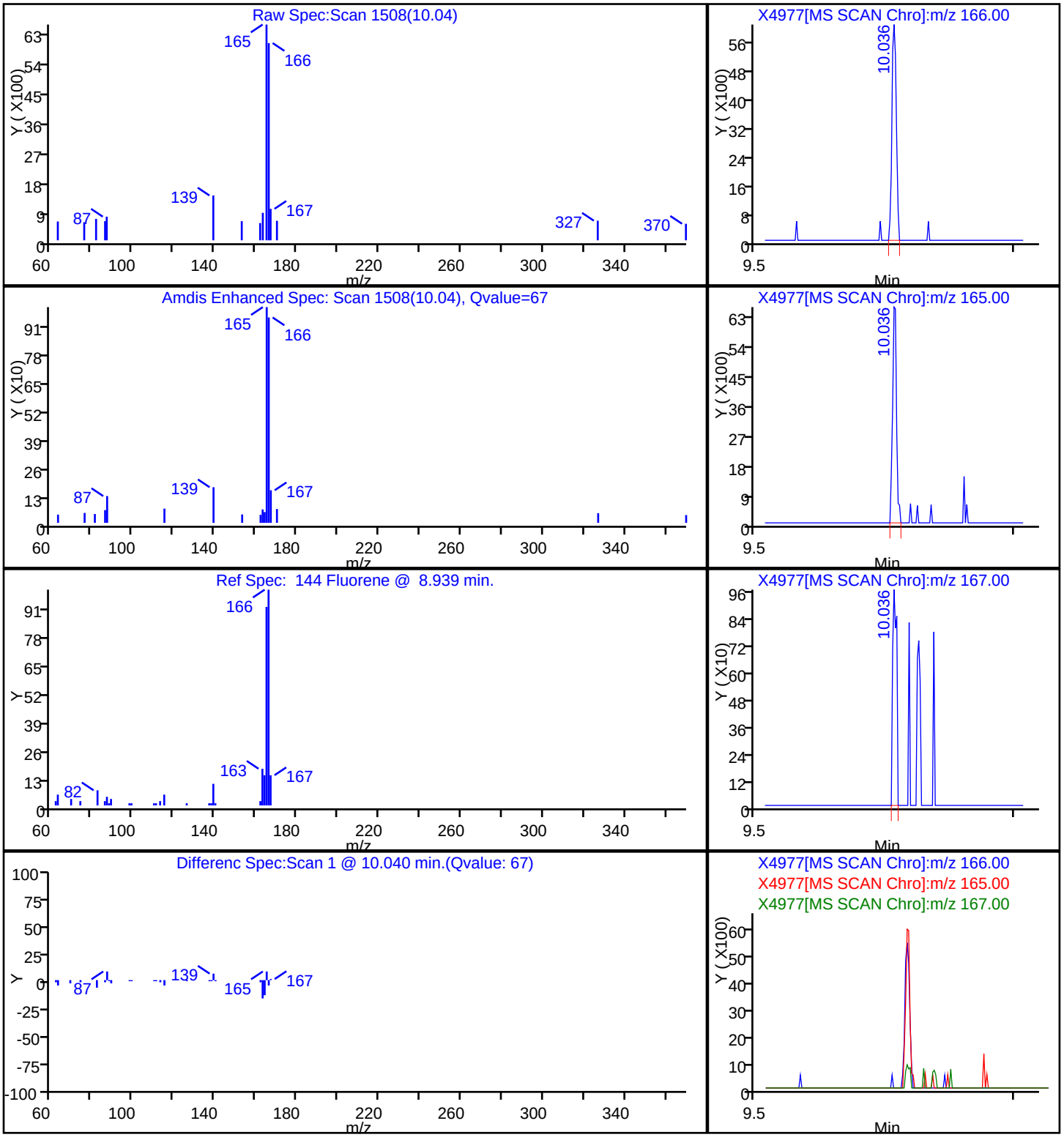
182 Fluoranthene



Report Date: 07-Apr-2012 11:31:00 Chrom Revision: 2.0 20-Feb-2012 13:27:02

Data File:	\\Bufchrom\ChromData\HP5973X\20120406-10792.b\X4977.D		
Injection Date:	07-Apr-2012 01:01:30	Limit Group:	MB - 8270C ICAL
Client ID:	RB-03 (12"-24")	Instrument ID:	HP5973X
Lims Batch ID:	58507	Lims Sample ID:	27
Operator ID:	RMM	Injection Vol:	1.00 ul
Column Type:	RXI-5Sil MS	Column Dia:	0.25 mm

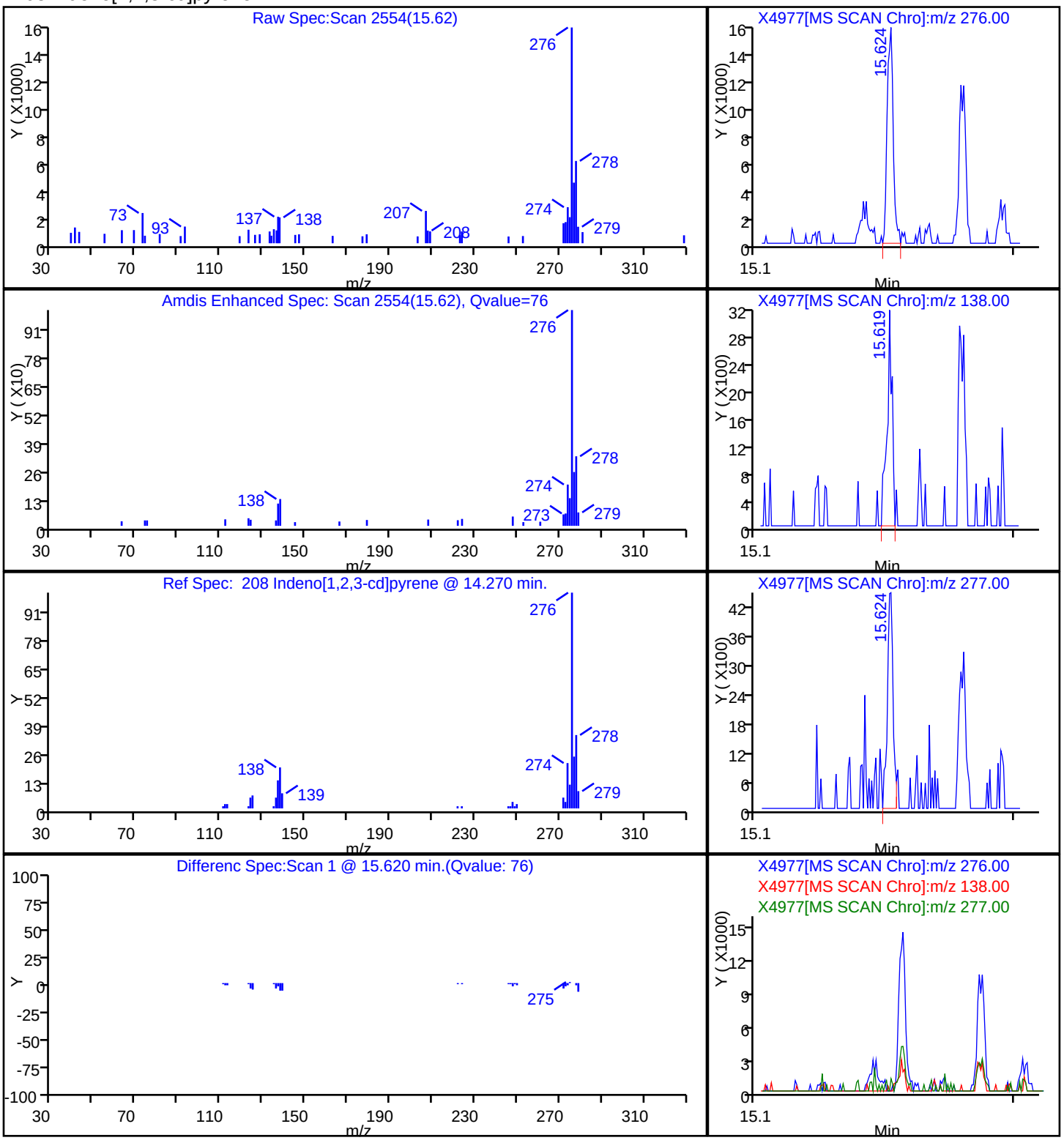
144 Fluorene



Report Date: 07-Apr-2012 11:31:00 Chrom Revision: 2.0 20-Feb-2012 13:27:02

Data File:	\\Bufchrom\ChromData\HP5973X\20120406-10792.b\X4977.D		
Injection Date:	07-Apr-2012 01:01:30	Limit Group:	MB - 8270C ICAL
Client ID:	RB-03 (12"-24")	Instrument ID:	HP5973X
Lims Batch ID:	58507	Lims Sample ID:	27
Operator ID:	RMM	Injection Vol:	1.00 ul
Column Type:	RXI-5Sil MS	Column Dia:	0.25 mm

208 Indeno[1,2,3-cd]pyrene

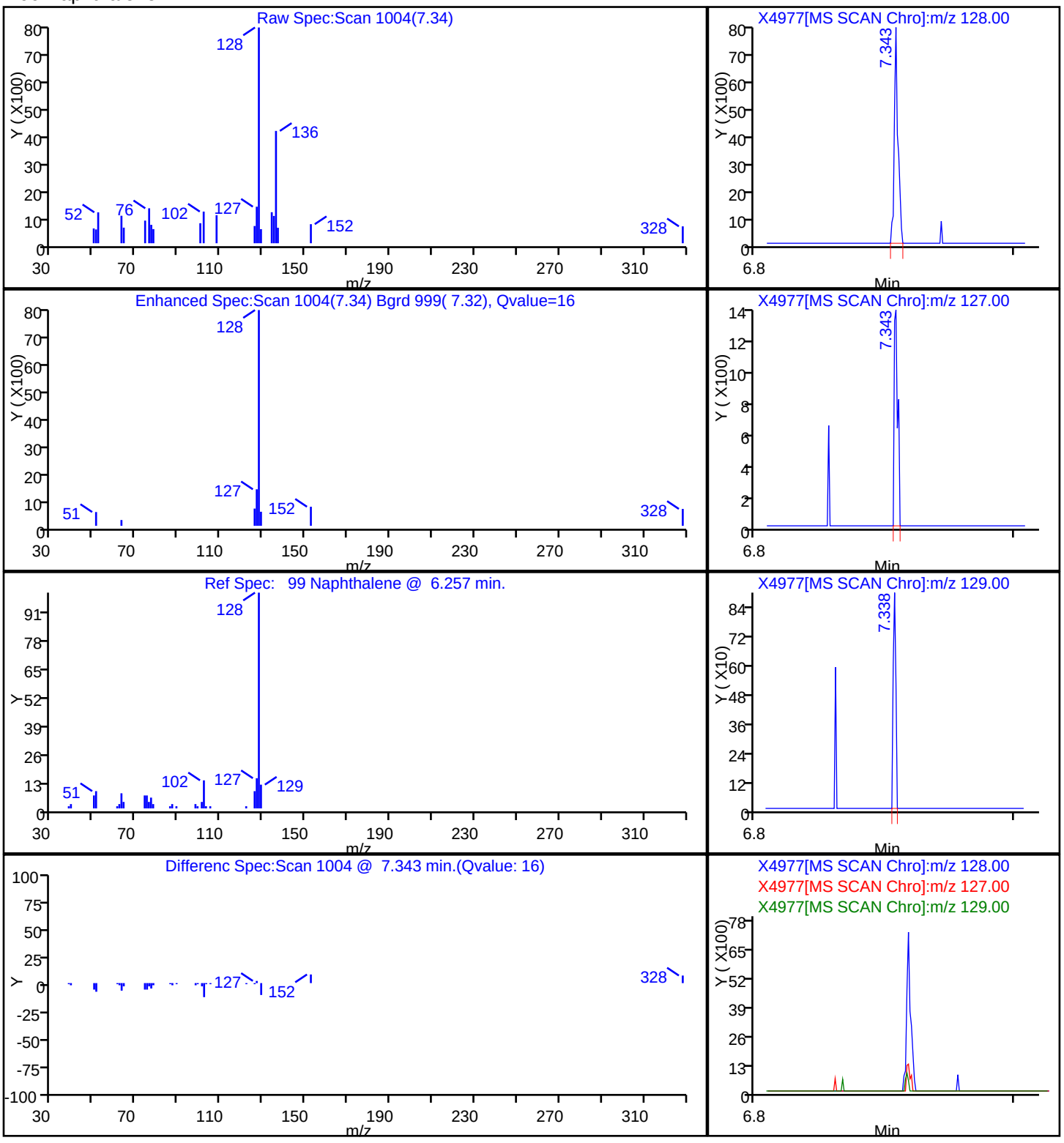


Report Date: 07-Apr-2012 11:31:00 Chrom Revision: 2.0 20-Feb-2012 13:27:02

Data File: \\Bufchrom\ChromData\HP5973X\20120406-10792.b\X4977.D

Injection Date:	07-Apr-2012 01:01:30	Limit Group:	MB - 8270C ICAL
Client ID:	RB-03 (12"-24")	Instrument ID:	HP5973X
Lims Batch ID:	58507	Lims Sample ID:	27
Operator ID:	RMM	Injection Vol:	1.00 ul
Column Type:	RXI-5Sil MS	Column Dia:	0.25 mm

99 Naphthalene

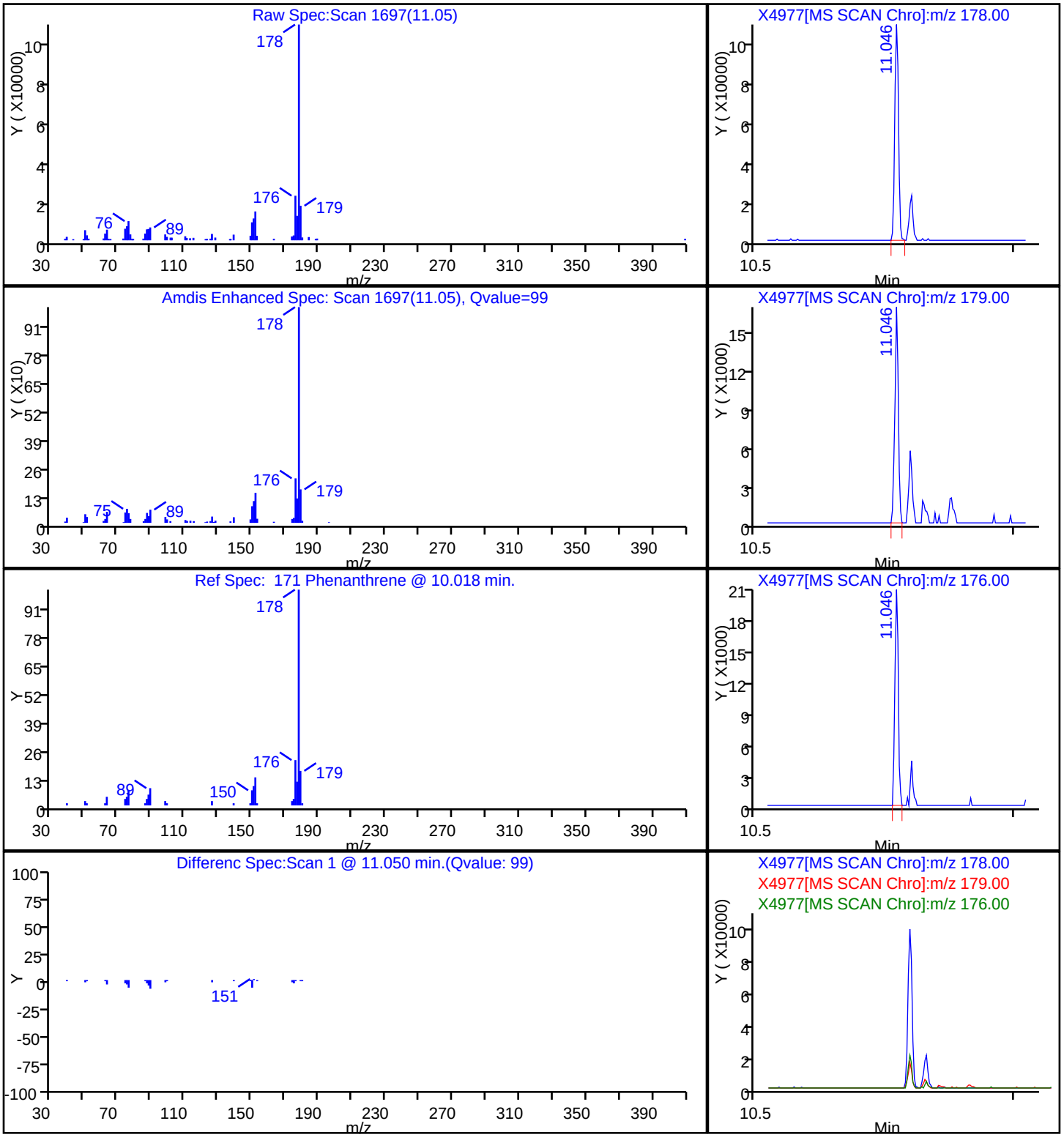


Report Date: 07-Apr-2012 11:31:00 Chrom Revision: 2.0 20-Feb-2012 13:27:02

Data File: \\Bufchrom\ChromData\HP5973X\20120406-10792.b\X4977.D

Injection Date:	07-Apr-2012 01:01:30	Limit Group:	MB - 8270C ICAL
Client ID:	RB-03 (12"-24")	Instrument ID:	HP5973X
Lims Batch ID:	58507	Lims Sample ID:	27
Operator ID:	RMM	Injection Vol:	1.00 ul
Column Type:	RXI-5Sil MS	Column Dia:	0.25 mm

171 Phenanthrene

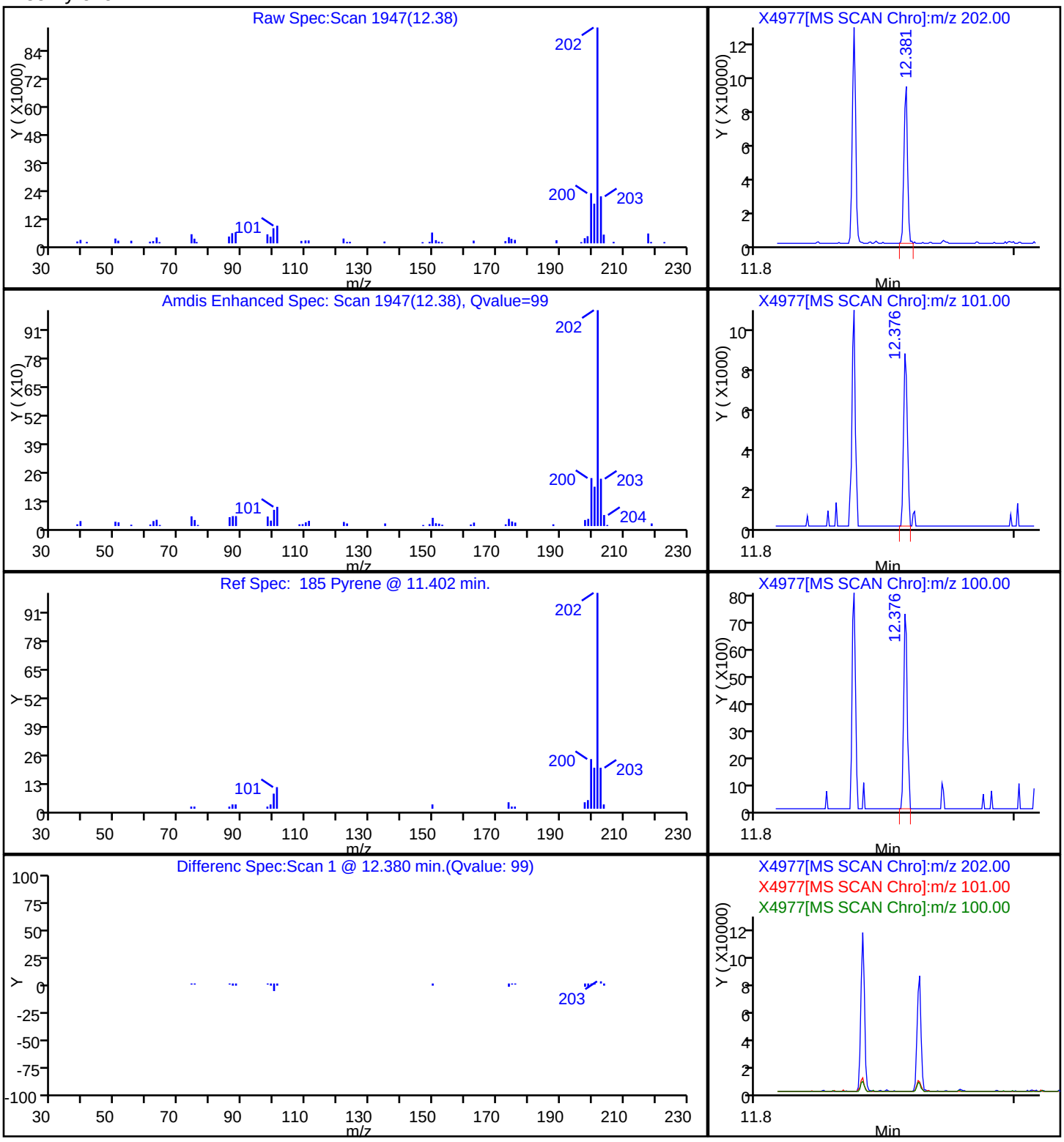


Report Date: 07-Apr-2012 11:31:00 Chrom Revision: 2.0 20-Feb-2012 13:27:02

Data File: \\Bufchrom\ChromData\HP5973X\20120406-10792.b\X4977.D

Injection Date:	07-Apr-2012 01:01:30	Limit Group:	MB - 8270C ICAL
Client ID:	RB-03 (12"-24")	Instrument ID:	HP5973X
Lims Batch ID:	58507	Lims Sample ID:	27
Operator ID:	RMM	Injection Vol:	1.00 ul
Column Type:	RXI-5Sil MS	Column Dia:	0.25 mm

185 Pyrene



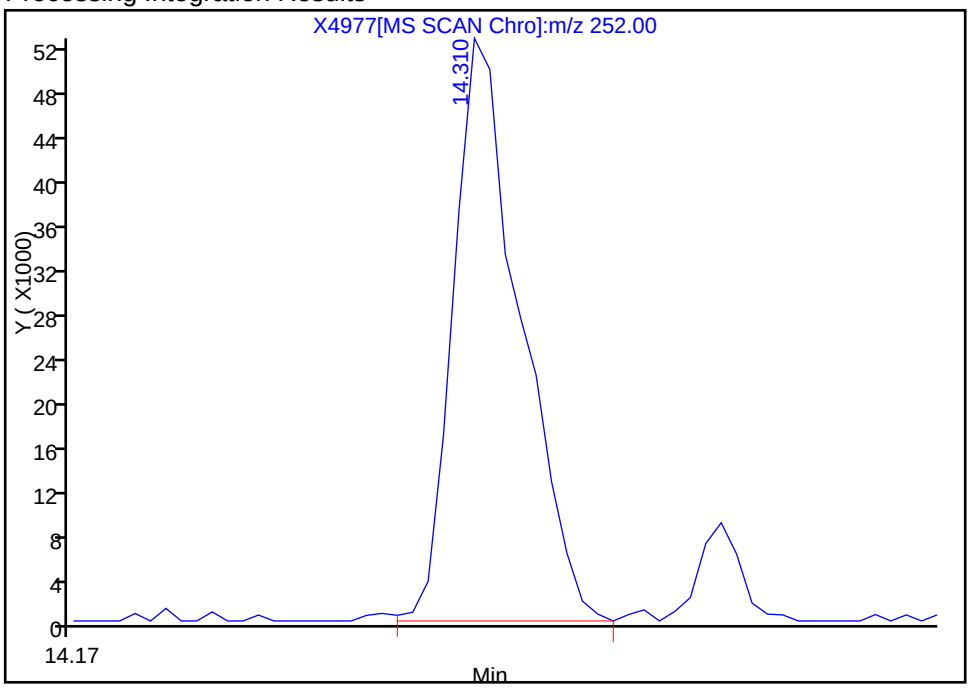
Manual Integration/User Assign Peak Report

Data File:	\\Bufchrom\ChromData\HP5973X\20120406-10792.b\X4977.D		
Injection Date:	07-Apr-2012 01:01:30	Limit Group:	MB - 8270C ICAL
Client ID:	RB-03 (12"-24")	Instrument ID:	HP5973X
Lims Batch ID:	58507	Lims Sample ID:	27
Operator ID:	RMM	Injection Vol:	1.00 ul
Column Type:	RXI-5Sil MS	Column Dia:	0.25 mm

203 Benzo[b]fluoranthene, Signal: 1, m/z: 252.0 Type: quant, RT: 14.31

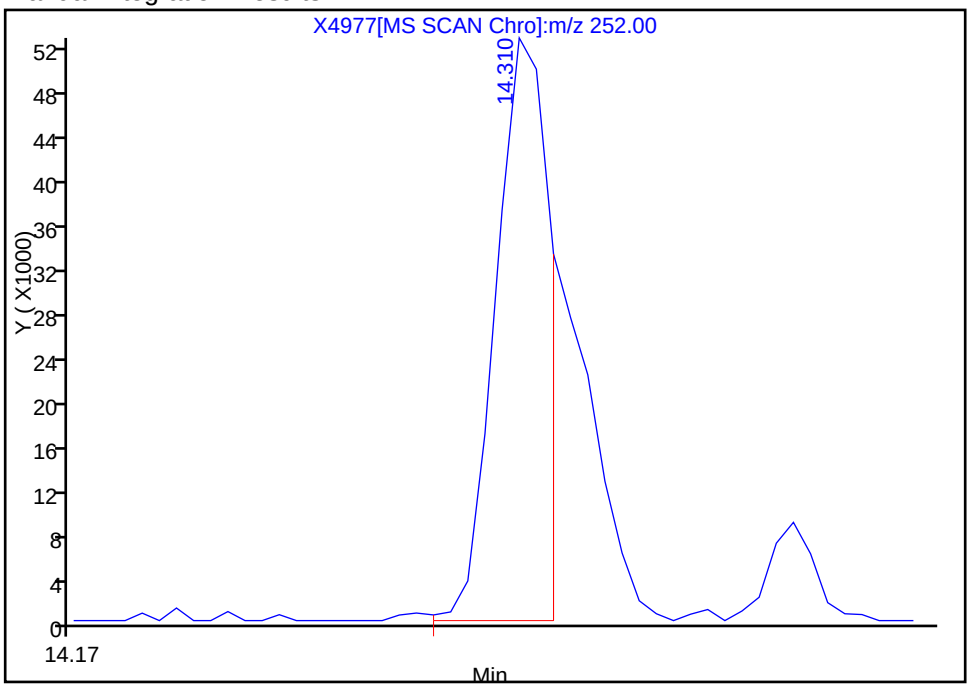
Processing Integration Results

RT: 14.31
Response: 85554
Amount: 12.993933



Manual Integration Results

RT: 14.31
Response: 62743
Amount: 9.529401



Reviewer: mckernar, 07-Apr-2012 11:31:00
Audit Action: Split an Integrated Peak
Audit Reason: Coelution

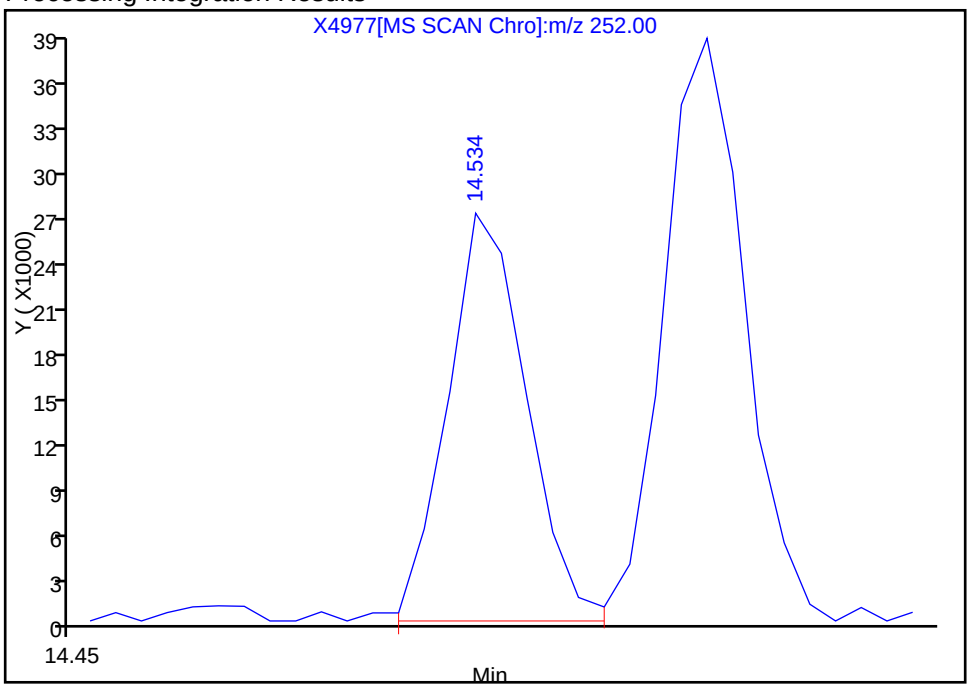
Manual Integration/User Assign Peak Report

Data File:	\\Bufchrom\ChromData\HP5973X\20120406-10792.b\X4977.D		
Injection Date:	07-Apr-2012 01:01:30	Limit Group:	MB - 8270C ICAL
Client ID:	RB-03 (12"-24")	Instrument ID:	HP5973X
Lims Batch ID:	58507	Lims Sample ID:	27
Operator ID:	RMM	Injection Vol:	1.00 ul
Column Type:	RXI-5Sil MS	Column Dia:	0.25 mm

204 Benzo[k]fluoranthene, Signal: 1, m/z: 252.0 Type: quant, RT: 14.34

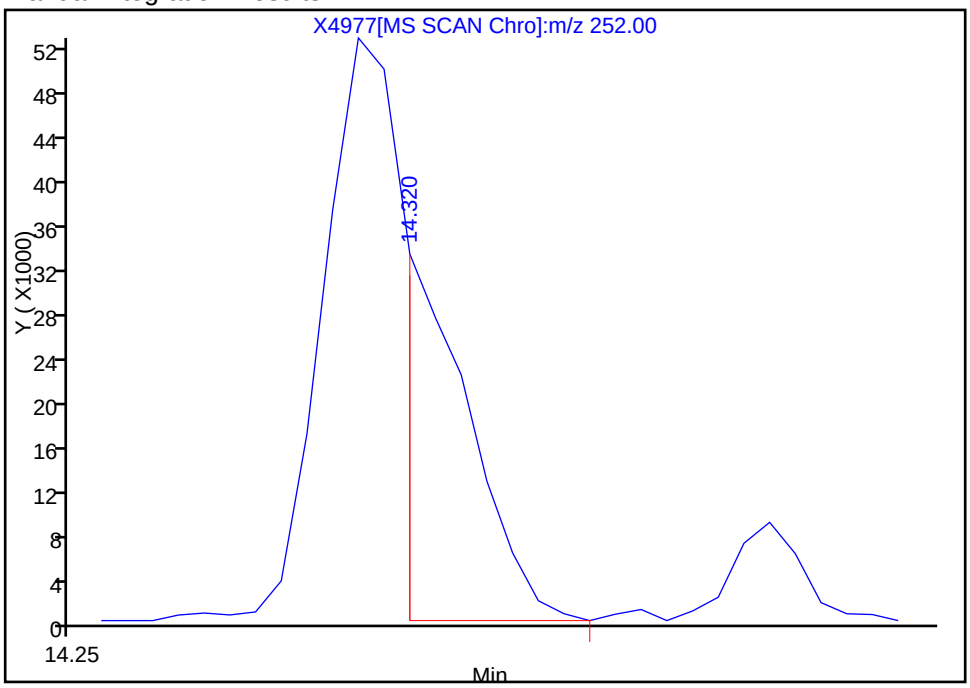
Processing Integration Results

RT: 14.53
Response: 30797
Amount: 4.406121



Manual Integration Results

RT: 14.32
Response: 33497
Amount: 4.792410

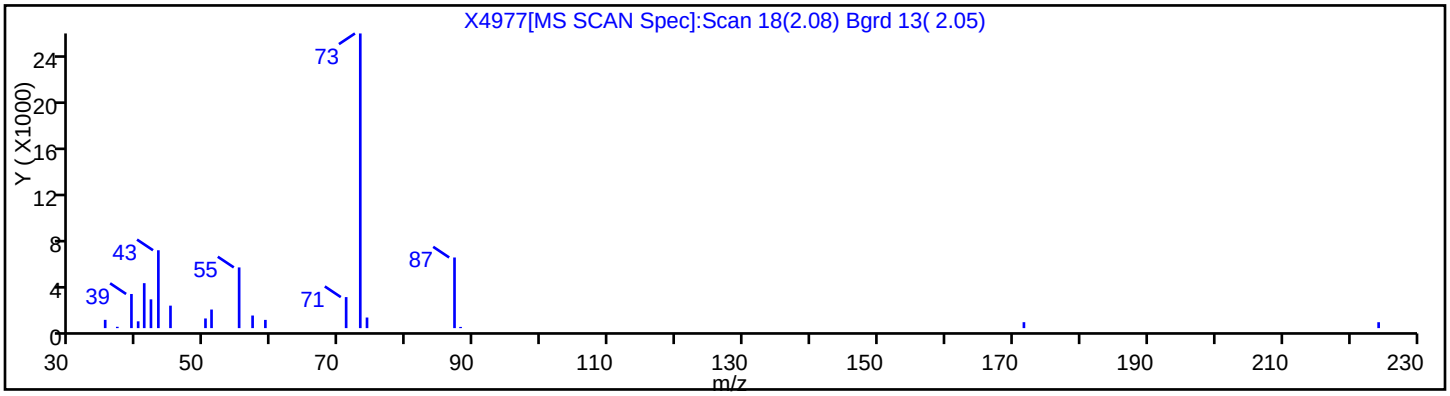


Reviewer: mckernar, 07-Apr-2012 11:31:00
Audit Action: Split an Integrated Peak
Audit Reason: Coelution

Report Date: 07-Apr-2012 11:31:00 Chrom Revision: 2.0 20-Feb-2012 13:27:02

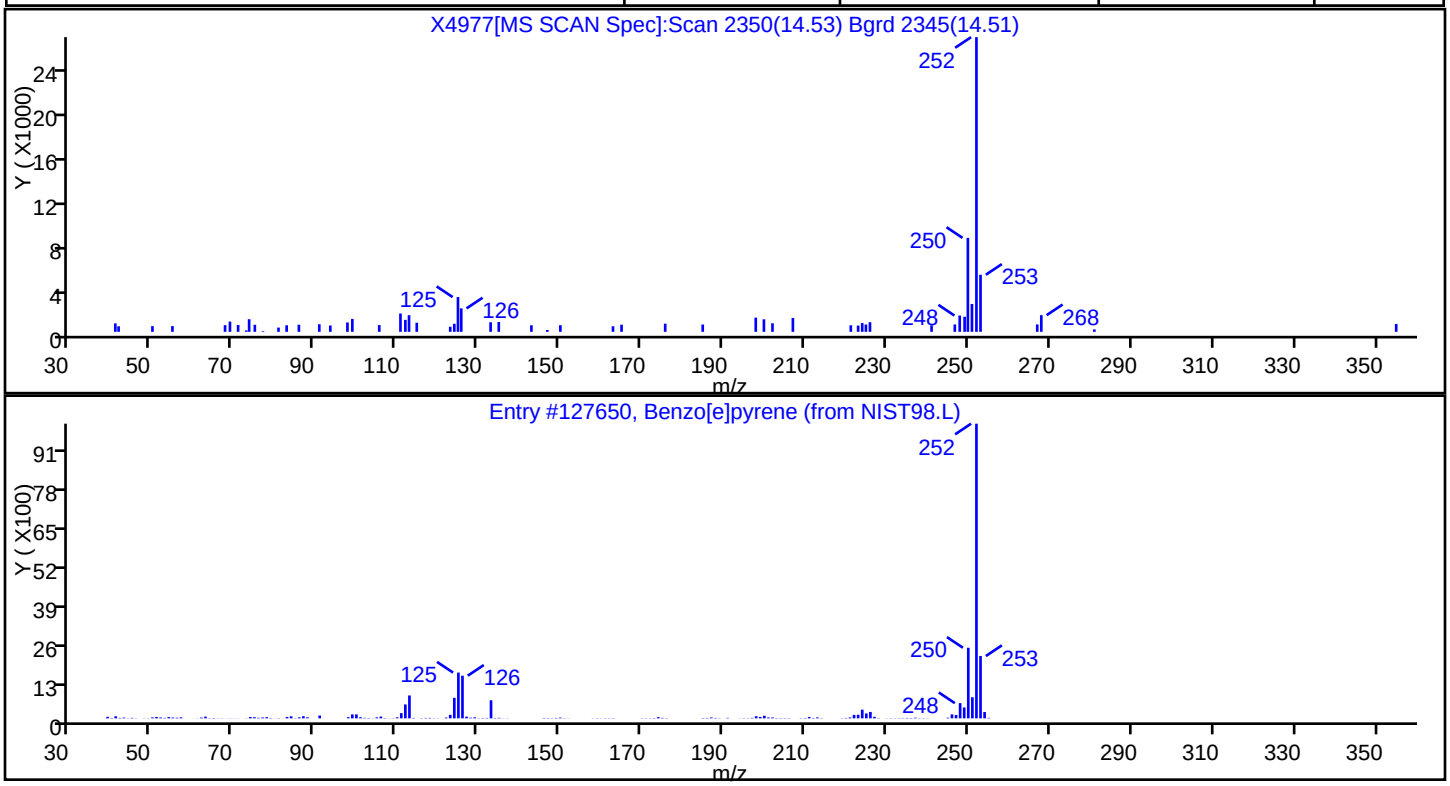
Data File:	\\Bufchrom\ChromData\HP5973X\20120406-10792.b\X4977.D		
Injection Date:	07-Apr-2012 01:01:30	Limit Group:	MB - 8270C ICAL
Client ID:	RB-03 (12"-24")	Instrument ID:	HP5973X
Lims Batch ID:	58507	Lims Sample ID:	27
Operator ID:	RMM	Injection Vol:	1.00 ul
Column Type:	RXI-5Sil MS	Column Dia:	0.25 mm

No Library Matches Found above the Threshold: 85



Report Date: 07-Apr-2012 11:31:00 Chrom Revision: 2.0 20-Feb-2012 13:27:02
Data File: \\Bufchrom\ChromData\HP5973X\20120406-10792.b\X4977.D
Injection Date: 07-Apr-2012 01:01:30 Limit Group: MB - 8270C ICAL
Client ID: RB-03 (12"-24") Instrument ID: HP5973X
Lims Batch ID: 58507 Lims Sample ID: 27
Operator ID: RMM Injection Vol: 1.00 ul
Column Type: RXI-5Sil MS Column Dia: 0.25 mm

Library Search Compound Match	CAS Number	Library	Entry	Quality
Benzo[e]pyrene	192-97-2	NIST98.L	127650	90



FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Buffalo | Job No.: 480-18068-1

SDG No.:

Client Sample ID: RB-04 (0-6") | Lab Sample ID: 480-18068-4

Matrix: Solid | Lab File ID: X4978.D

Analysis Method: 8270C | Date Collected: 04/02/2012 14:05

Extract. Method: 3550B | Date Extracted: 04/05/2012 10:44

Sample wt/vol: +30.06(g) | Date Analyzed: 04/07/2012 01:25

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

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

% Moisture: 25.4 | GPC Cleanup:(Y/N) N

Analysis Batch No.: 58507 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
95-95-4	2,4,5-Trichlorophenol	ND		230	49
88-06-2	2,4,6-Trichlorophenol	ND		230	15
120-83-2	2,4-Dichlorophenol	ND		230	12
105-67-9	2,4-Dimethylphenol	ND		230	61
51-28-5	2,4-Dinitrophenol	ND		440	79
121-14-2	2,4-Dinitrotoluene	ND		230	35
606-20-2	2,6-Dinitrotoluene	ND		230	55
91-58-7	2-Chloronaphthalene	ND		230	15
95-57-8	2-Chlorophenol	ND		230	11
91-57-6	2-Methylnaphthalene	ND		230	2.7
95-48-7	2-Methylphenol	ND		230	6.9
88-74-4	2-Nitroaniline	ND		440	72
88-75-5	2-Nitrophenol	ND		230	10
91-94-1	3,3'-Dichlorobenzidine	ND		230	200
99-09-2	3-Nitroaniline	ND		440	52
534-52-1	4,6-Dinitro-2-methylphenol	ND		440	78
101-55-3	4-Bromophenyl phenyl ether	ND		230	72
59-50-7	4-Chloro-3-methylphenol	ND		230	9.3
106-47-8	4-Chloroaniline	ND		230	66
7005-72-3	4-Chlorophenyl phenyl ether	ND		230	4.8
106-44-5	4-Methylphenol	ND		440	13
100-01-6	4-Nitroaniline	ND		440	25
100-02-7	4-Nitrophenol	ND	*	440	55
83-32-9	Acenaphthene	10	J	230	2.7
208-96-8	Acenaphthylene	ND		230	1.8
98-86-2	Acetophenone	ND		230	12
120-12-7	Anthracene	33	J	230	5.8
1912-24-9	Atrazine	ND	*	230	10
100-52-7	Benzaldehyde	ND		230	25
56-55-3	Benzo(a)anthracene	120	J	230	3.9
50-32-8	Benzo(a)pyrene	150	J	230	5.4
205-99-2	Benzo(b)fluoranthene	200	J	230	4.4
191-24-2	Benzo(g,h,i)perylene	59	J	230	2.7
207-08-9	Benzo(k)fluoranthene	70	J	230	2.5

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Buffalo | Job No.: 480-18068-1

SDG No.:

Client Sample ID: RB-04 (0-6") | Lab Sample ID: 480-18068-4

Matrix: Solid | Lab File ID: X4978.D

Analysis Method: 8270C | Date Collected: 04/02/2012 14:05

Extract. Method: 3550B | Date Extracted: 04/05/2012 10:44

Sample wt/vol: +30.06(g) | Date Analyzed: 04/07/2012 01:25

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

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

% Moisture: 25.4 | GPC Cleanup:(Y/N) N

Analysis Batch No.: 58507 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
92-52-4	Biphenyl	ND		230	14
108-60-1	bis (2-chloroisopropyl) ether	ND		230	24
111-91-1	Bis(2-chloroethoxy)methane	ND		230	12
111-44-4	Bis(2-chloroethyl)ether	ND		230	20
117-81-7	Bis(2-ethylhexyl) phthalate	ND		230	73
85-68-7	Butyl benzyl phthalate	ND		230	61
105-60-2	Caprolactam	ND		230	98
86-74-8	Carbazole	ND		230	2.6
218-01-9	Chrysene	180	J	230	2.3
53-70-3	Dibenz(a,h)anthracene	ND		230	2.7
132-64-9	Dibenzofuran	ND		230	2.4
84-66-2	Diethyl phthalate	ND		230	6.8
131-11-3	Dimethyl phthalate	ND		230	5.9
84-74-2	Di-n-butyl phthalate	ND		230	78
117-84-0	Di-n-octyl phthalate	ND		230	5.3
206-44-0	Fluoranthene	240		230	3.3
86-73-7	Fluorene	ND		230	5.2
118-74-1	Hexachlorobenzene	ND		230	11
87-68-3	Hexachlorobutadiene	ND		230	12
77-47-4	Hexachlorocyclopentadiene	ND		230	68
67-72-1	Hexachloroethane	ND		230	17
193-39-5	Indeno(1,2,3-cd)pyrene	65	J	230	6.2
78-59-1	Isophorone	ND		230	11
91-20-3	Naphthalene	ND		230	3.8
98-95-3	Nitrobenzene	ND		230	10
621-64-7	N-Nitrosodi-n-propylamine	ND		230	18
86-30-6	N-Nitrosodiphenylamine	ND		230	12
87-86-5	Pentachlorophenol	ND		440	77
85-01-8	Phenanthrene	170	J	230	4.7
108-95-2	Phenol	ND		230	24
129-00-0	Pyrene	200	J	230	1.5

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Buffalo | Job No.: 480-18068-1

SDG No.:

Client Sample ID: RB-04 (0-6") | Lab Sample ID: 480-18068-4

Matrix: Solid | Lab File ID: X4978.D

Analysis Method: 8270C | Date Collected: 04/02/2012 14:05

Extract. Method: 3550B | Date Extracted: 04/05/2012 10:44

Sample wt/vol: +30.06(g) | Date Analyzed: 04/07/2012 01:25

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

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

% Moisture: 25.4 | GPC Cleanup:(Y/N) N

Analysis Batch No.: 58507 | Units: ug/Kg

CAS NO.	SURROGATE	%REC	Q	LIMITS
118-79-6	2,4,6-Tribromophenol	107		39-146
321-60-8	2-Fluorobiphenyl	80		37-120
367-12-4	2-Fluorophenol	63		18-120
4165-60-0	Nitrobenzene-d5	73		34-132
4165-62-2	Phenol-d5	70		11-120
1718-51-0	p-Terphenyl-d14	109		65-153

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

Lab Name: TestAmerica Buffalo | Job No.: 480-18068-1

SDG No.:

Client Sample ID: RB-04 (0-6") | Lab Sample ID: 480-18068-4

Matrix: Solid | Lab File ID: X4978.D

Analysis Method: 8270C | Date Collected: 04/02/2012 14:05

Extract. Method: 3550B | Date Extracted: 04/05/2012 10:44

Sample wt/vol: +30.06(g) | Date Analyzed: 04/07/2012 01:25

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

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

% Moisture: 25.4 | GPC Cleanup:(Y/N) N

Analysis Batch No.: 58507 | Units: ug/Kg

Number TICs Found: 10 | TIC Result Total: 6470

CAS NO.	COMPOUND NAME	RT	RESULT	Q
	Unknown	2.08	1900	T J
	Unknown	9.54	250	T J
	Unknown	11.57	590	T J
	Unknown	11.69	180	T J
	Unknown	12.02	520	T J
	Unknown	12.74	360	T J
	Unknown	16.27	460	T J
	Unknown	16.41	1300	T J
	Unknown	16.54	410	T J
	Unknown	16.62	500	T J

TestAmerica Laboratories
Target Compound Quantitation Report

Data File:	\\Bufchrom\ChromData\HP5973X\20120406-10792.b\X4978.D		
Lims ID:	480-18068-C-4-C	Client ID:	RB-04 (0-6")
Inject. Date:	07-Apr-2012 01:25:30	Dil. Factor:	1.0000
Sample Type:	Client		
Sample ID:	480-0010792-028		
Misc. Info.:			
Operator:	RMM	Instrument ID:	HP5973X
Vol. Injected:	1.0000	ALS Bottle#:	29
Lims Batch ID:	58507	Lims Sample ID:	28
Detector:	MS SCAN		
Method:	\\Bufchrom\ChromData\HP5973X\20120406-10792.b\X-8270.m		
Last Update:	07-Apr-2012 11:32:55	Calib Date:	03-Apr-2012 15:26:30
Quant Method:	Internal Standard	Quant By:	Initial Calibration
Last ICal File:	\\Bufchrom\ChromData\HP5973X\20120403-10684.b\X4785.D		
Limit Group:	MB - 8270C ICAL		
Integrator:	RTE	ID Type:	Deconvolution ID
Process Host:	CORP-CTX-16		
First Level Reviewer: mckernar		Date:	07-Apr-2012 11:32:55

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ng/uL	Flags
* 1 1,4-Dichlorobenzene-d4	152	5.799	5.810	-0.011	93	63105	40.0	
* 2 Naphthalene-d8	136	7.322	7.322	0.0	92	247239	40.0	
* 3 Acenaphthene-d10	164	9.389	9.400	-0.011	60	164713	40.0	
* 4 Phenanthrene-d10	188	11.013	11.024	-0.011	99	260290	40.0	
* 5 Chrysene-d12	240	13.428	13.417	0.011	99	206970	40.0	
* 6 Perylene-d12	264	14.630	14.614	0.016	98	238105	40.0	
$ 7 2-Fluorophenol	112	4.229	4.239	-0.010	94	186080	93.8	
$ 8 Phenol-d5	99	5.420	5.431	-0.011	82	287242	104.6	
$ 9 Nitrobenzene-d5	82	6.472	6.478	-0.006	96	220578	73.0	
$ 10 2-Fluorobiphenyl	172	8.609	8.615	-0.006	99	402713	79.8	
$ 11 2,4,6-Tribromophenol	330	10.303	10.308	-0.005	67	129448	161.1	
$ 12 p-Terphenyl-d14	244	12.520	12.509	0.011	96	462187	109.0	
62 Benzaldehyde	77		5.286					
63 Phenol	94		5.447					
66 Bis(2-chloroethyl)ether	93		5.505					
67 2-Chlorophenol	128		5.564					
74 2,2'-oxybis[1-chloropropane]	45		6.157					
73 2-Methylphenol	108		6.163					
76 Acetophenone	105		6.307					
78 N-Nitrosodi-n-propylamine	70		6.312					
79 4-Methylphenol	108		6.355					
81 Hexachloroethane	117		6.398					
83 Nitrobenzene	77		6.499					
86 Isophorone	82		6.793					
87 2-Nitrophenol	139		6.878					
89 2,4-Dimethylphenol	107		6.980					
94 Bis(2-chloroethoxy)methane	93		7.065					
97 2,4-Dichlorophenol	162		7.194					
99 Naphthalene	128		7.343					
101 4-Chloroaniline	127		7.445					
104 Hexachlorobutadiene	225		7.498					

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ng/uL	Flags
105 Caprolactam	113		7.872					
110 4-Chloro-3-methylphenol	107		8.059					
113 2-Methylnaphthalene	142		8.171					
116 Hexachlorocyclopentadiene	237		8.353					
118 2,4,6-Trichlorophenol	196		8.529					
119 2,4,5-Trichlorophenol	196		8.599					
123 1,1'-Biphenyl	154		8.732					
124 2-Chloronaphthalene	162		8.743					
125 2-Nitroaniline	65		8.903					
128 Dimethyl phthalate	163		9.122					
130 2,6-Dinitrotoluene	165		9.197					
131 Acenaphthylene	152		9.229					
132 3-Nitroaniline	138		9.400					
133 Acenaphthene	153	9.427	9.432	-0.005	11	909	0.2255	
134 2,4-Dinitrophenol	184		9.528					
138 Dibenzofuran	168		9.640					
137 2,4-Dinitrotoluene	165		9.672					
135 4-Nitrophenol	109		9.683					
142 Diethyl phthalate	149		9.950					
144 Fluorene	166		10.036					
145 4-Chlorophenyl phenyl ether	204		10.046					
147 4-Nitroaniline	138		10.110					
148 4,6-Dinitro-2-methylphenol	198		10.132					
149 N-Nitrosodiphenylamine	169		10.185					
159 4-Bromophenyl phenyl ether	248		10.565					
160 Hexachlorobenzene	284		10.618					
163 Atrazine	200		10.784					
165 Pentachlorophenol	266		10.848					
171 Phenanthrene	178	11.040	11.035	0.005	77	26309	3.81	
172 Anthracene	178	11.099	11.088	0.011	48	5007	0.7291	
173 Carbazole	167		11.270					
176 Di-n-butyl phthalate	149		11.612					
182 Fluoranthene	202	12.167	12.162	0.005	99	38749	5.39	
185 Pyrene	202	12.370	12.360	0.010	97	35092	4.44	
192 Butyl benzyl phthalate	149		12.937					
196 3,3'-Dichlorobenzidine	252		13.396					
197 Benzo[a]anthracene	228	13.417	13.412	0.005	18	15968	2.78	
198 Bis(2-ethylhexyl) phthalate	149		13.428					
199 Chrysene	228	13.449	13.444	0.005	68	20764	4.03	
201 Di-n-octyl phthalate	149		13.968					
203 Benzo[b]fluoranthene	252	14.315	14.315	0.0	93	30463	4.54	M
204 Benzo[k]fluoranthene	252	14.326	14.336	-0.010	70	11137	1.56	M
206 Benzo[a]pyrene	252	14.582	14.587	-0.005	82	18709	3.32	
208 Indeno[1,2,3-cd]pyrene	276	15.624	15.634	-0.010	69	10426	1.45	
209 Dibenz(a,h)anthracene	278		15.640					
210 Benzo[g,h,i]perylene	276	15.901	15.917	-0.016	51	7820	1.33	

QC Flag Legend

Review Flags
M - Manually Integrated

TestAmerica Laboratories
Tentatively Identified Quantitation Report

Data File:	\\Bufchrom\ChromData\HP5973X\20120406-10792.b\X4978.D		
Lims ID:	480-18068-C-4-C	Client ID:	RB-04 (0-6")
Inject. Date:	07-Apr-2012 01:25:30	Dil. Factor:	1.0000
Sample Type:	Client		
Sample ID:	480-0010792-028		
Misc. Info.:			
Operator:	RMM	Instrument ID:	HP5973X
Vol. Injected:	1.0000	ALS Bottle#:	29
Lims Batch ID:	58507	Lims Sample ID:	28
Detector:	MS SCAN		
Method:	\\Bufchrom\ChromData\HP5973X\20120406-10792.b\X-8270.m		
Last Update:	07-Apr-2012 11:32:55	Calib Date:	03-Apr-2012 15:26:30
Tic RT Window:	1.500 -0.000	Response:	area
Quant By:	Nearest ISTD	Quant LOD:	10.00000
MS Library:	\\Bufchrom\ChromData\Database\NIST98.L		
Min. Match:	85		
Process Host:	CORP-CTX-16		
First Level Reviewer: mckernar		Date:	07-Apr-2012 11:32:55

Calibrated Tentative Identified Compound Results

Compound	RT	Response	Amount ng/uL	Flags
9-Octadecenamide	12.963	2181	6.42	

Tentative Identified Compound Results

RT	Response	Amount ng/uL	Quant Cpnd	Qual	Lib Entry	Flags
2.076	580867	Unknown 42.8	1			
9.544	103052	Unknown 5.60	3			
11.569	251726	Unknown 13.2	4			
11.686	77244	Unknown 4.04	4			
12.023	221365	Unknown 11.6	4			
12.744	155314	Unknown 8.09	5			
16.265	179009	Unknown 10.4	6			
16.409	487118	Unknown 28.4	6			
16.543	156439	Unknown 9.11	6			
16.617	193528	Unknown 11.3	6			

Report Date: 07-Apr-2012 11:32:55 Chrom Revision: 2.0 20-Feb-2012 13:27:02
Data File: \\Bufchrom\ChromData\HP5973X\20120406-10792.b\X4978.D
Quantitation Compounds

Compound	RT	Response	Amount ng/uL
* 1 1,4-Dichlorobenzene-d4	5.799	542576	40.0
* 3 Acenaphthene-d10	9.389	735599	40.0
* 4 Phenanthrene-d10	11.013	765319	40.0
* 5 Chrysene-d12	13.428	767567	40.0
* 6 Perylene-d12	14.630	686657	40.0

QC Flag Legend

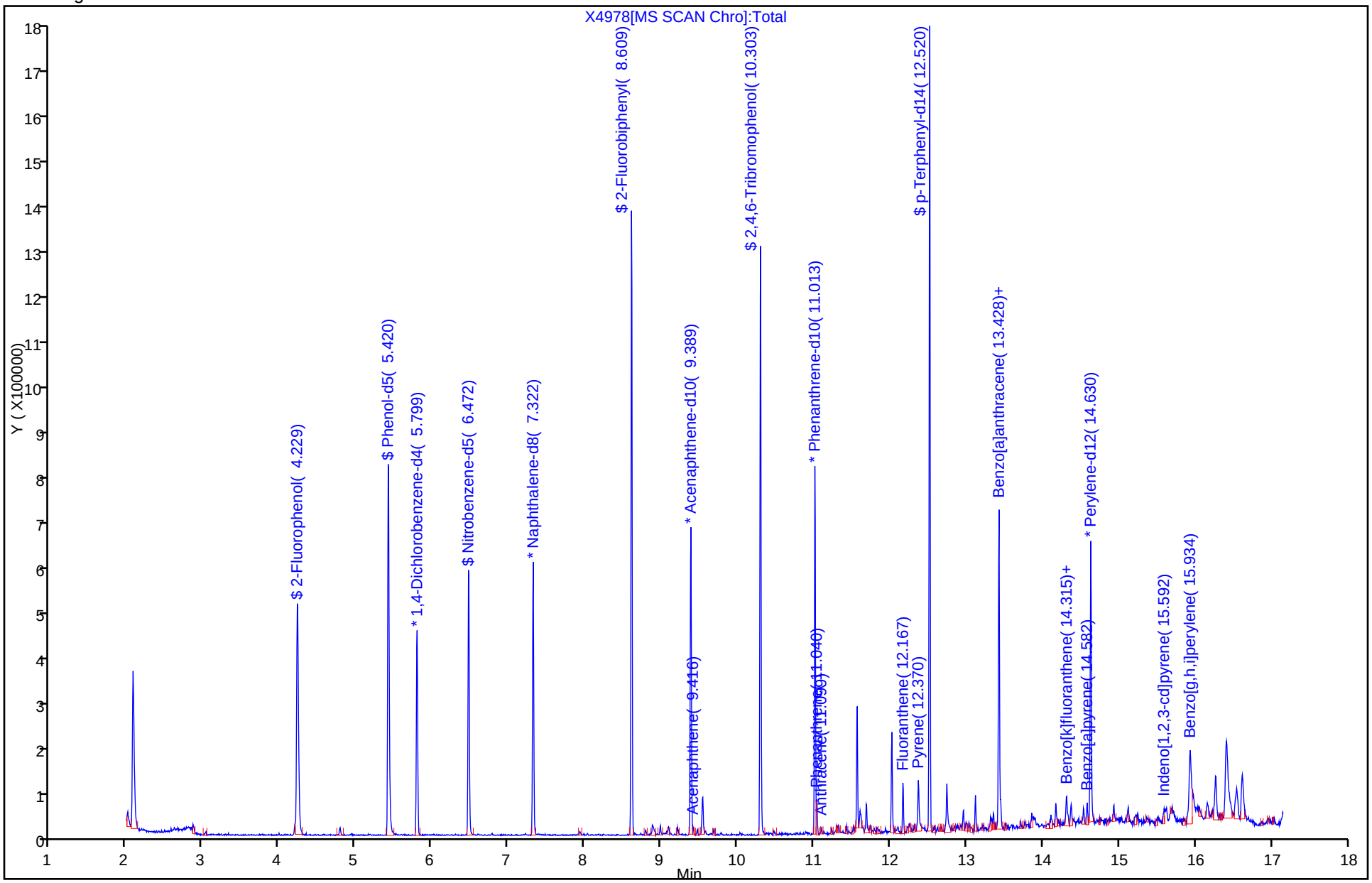
Processing Flags

Report Date: 07-Apr-2012 11:32:55 Chrom Revision: 2.0 20-Feb-2012 13:27:02

Data File: \\Bufchrom\ChromData\HP5973X\20120406-10792.b\X4978.D

Injection Date:	07-Apr-2012 01:25:30	Limit Group:	MB - 8270C ICAL
Client ID:	RB-04 (0-6")	Instrument ID:	HP5973X
Lims Batch ID:	58507	Lims Sample ID:	28
Operator ID:	RMM	Injection Vol:	1.00 ul
Column Type:	RXI-5Sil MS	Column Dia:	0.25 mm

Y Scaling:

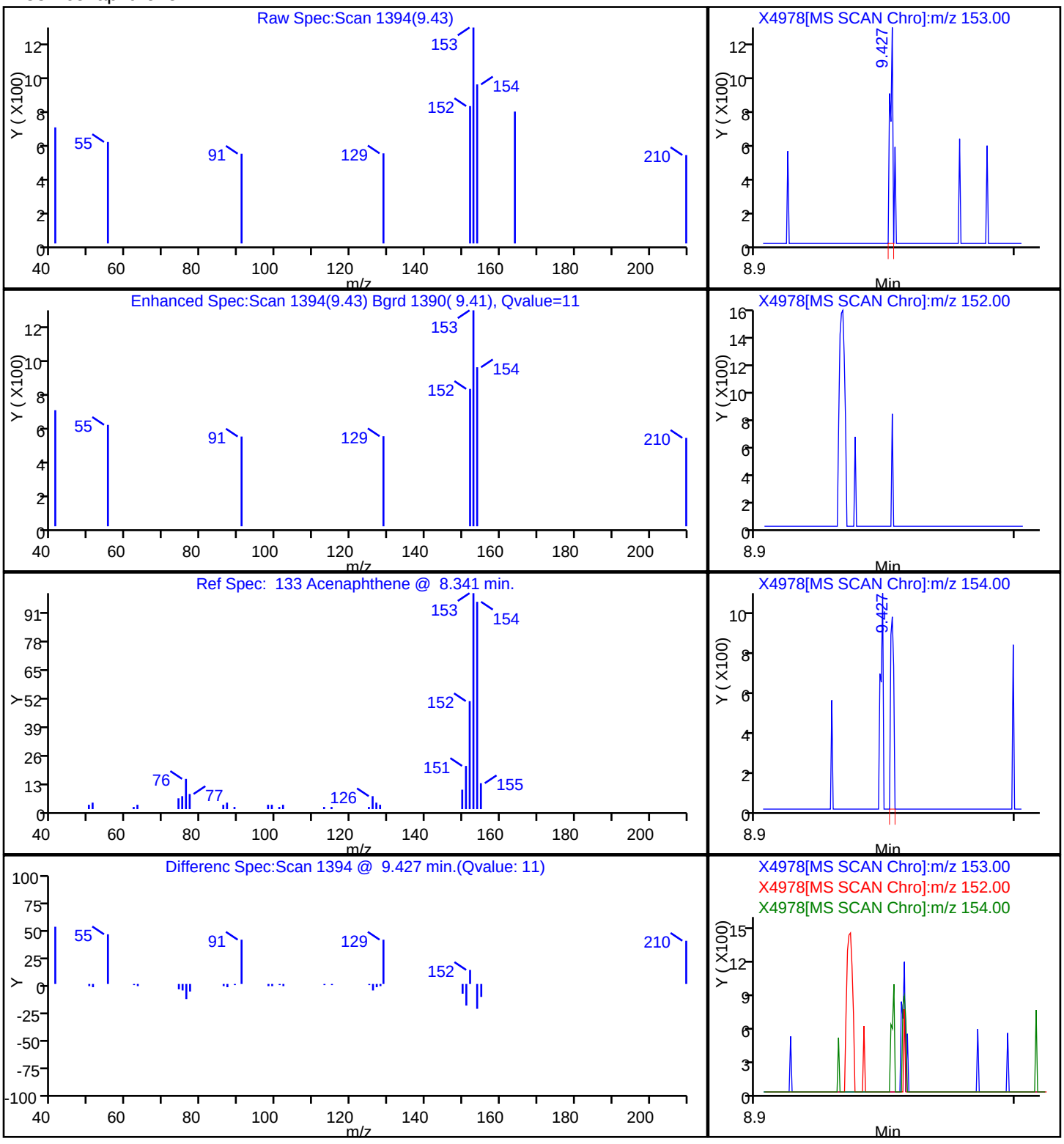


Report Date: 07-Apr-2012 11:32:55 Chrom Revision: 2.0 20-Feb-2012 13:27:02

Data File: \\Bufchrom\ChromData\HP5973X\20120406-10792.b\X4978.D

Injection Date:	07-Apr-2012 01:25:30	Limit Group:	MB - 8270C ICAL
Client ID:	RB-04 (0-6")	Instrument ID:	HP5973X
Lims Batch ID:	58507	Lims Sample ID:	28
Operator ID:	RMM	Injection Vol:	1.00 ul
Column Type:	RXI-5Sil MS	Column Dia:	0.25 mm

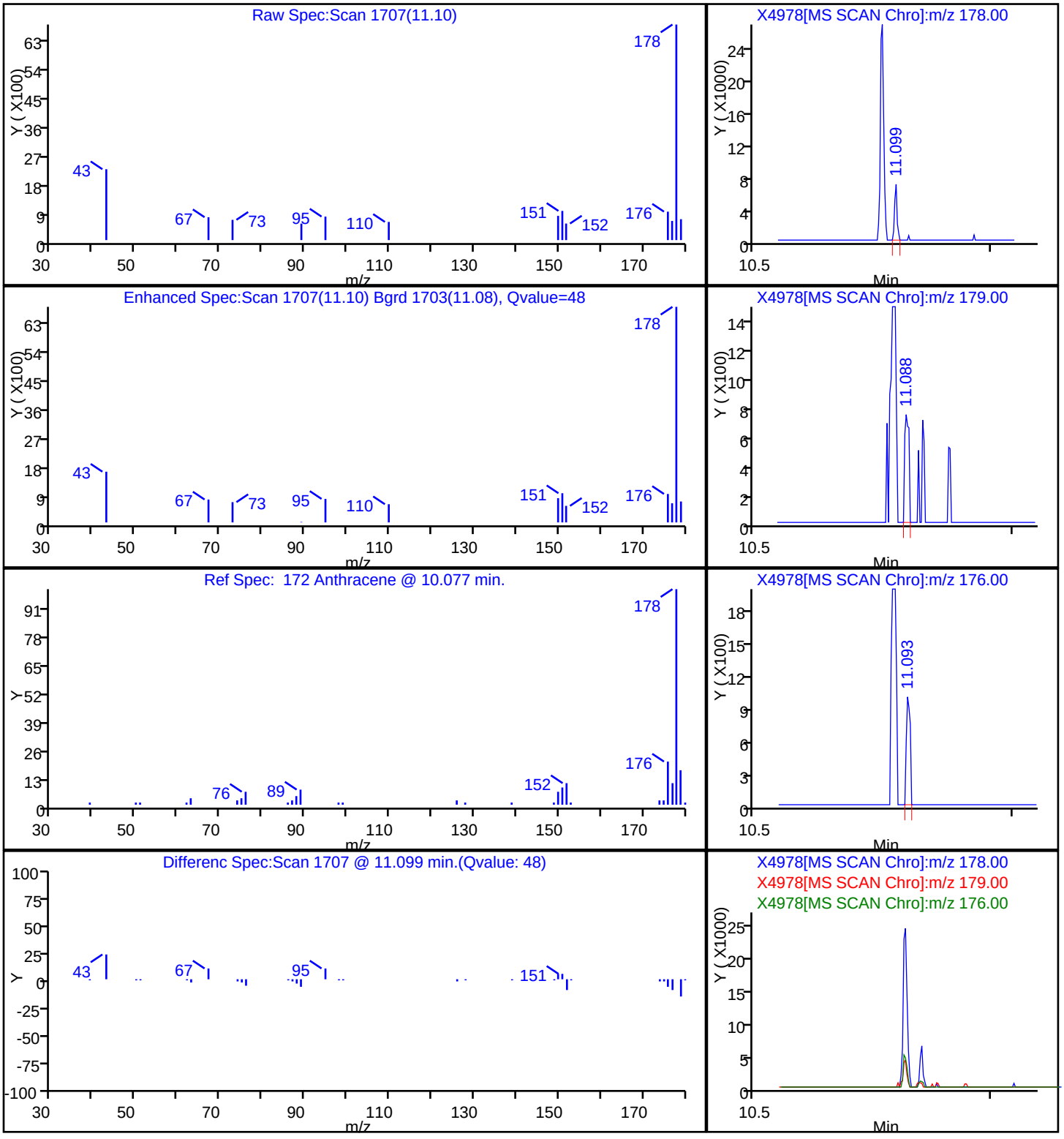
133 Acenaphthene



Report Date: 07-Apr-2012 11:32:55 Chrom Revision: 2.0 20-Feb-2012 13:27:02

Data File:	\\Bufchrom\ChromData\HP5973X\20120406-10792.b\X4978.D		
Injection Date:	07-Apr-2012 01:25:30	Limit Group:	MB - 8270C ICAL
Client ID:	RB-04 (0-6")	Instrument ID:	HP5973X
Lims Batch ID:	58507	Lims Sample ID:	28
Operator ID:	RMM	Injection Vol:	1.00 ul
Column Type:	RXI-5Sil MS	Column Dia:	0.25 mm

172 Anthracene

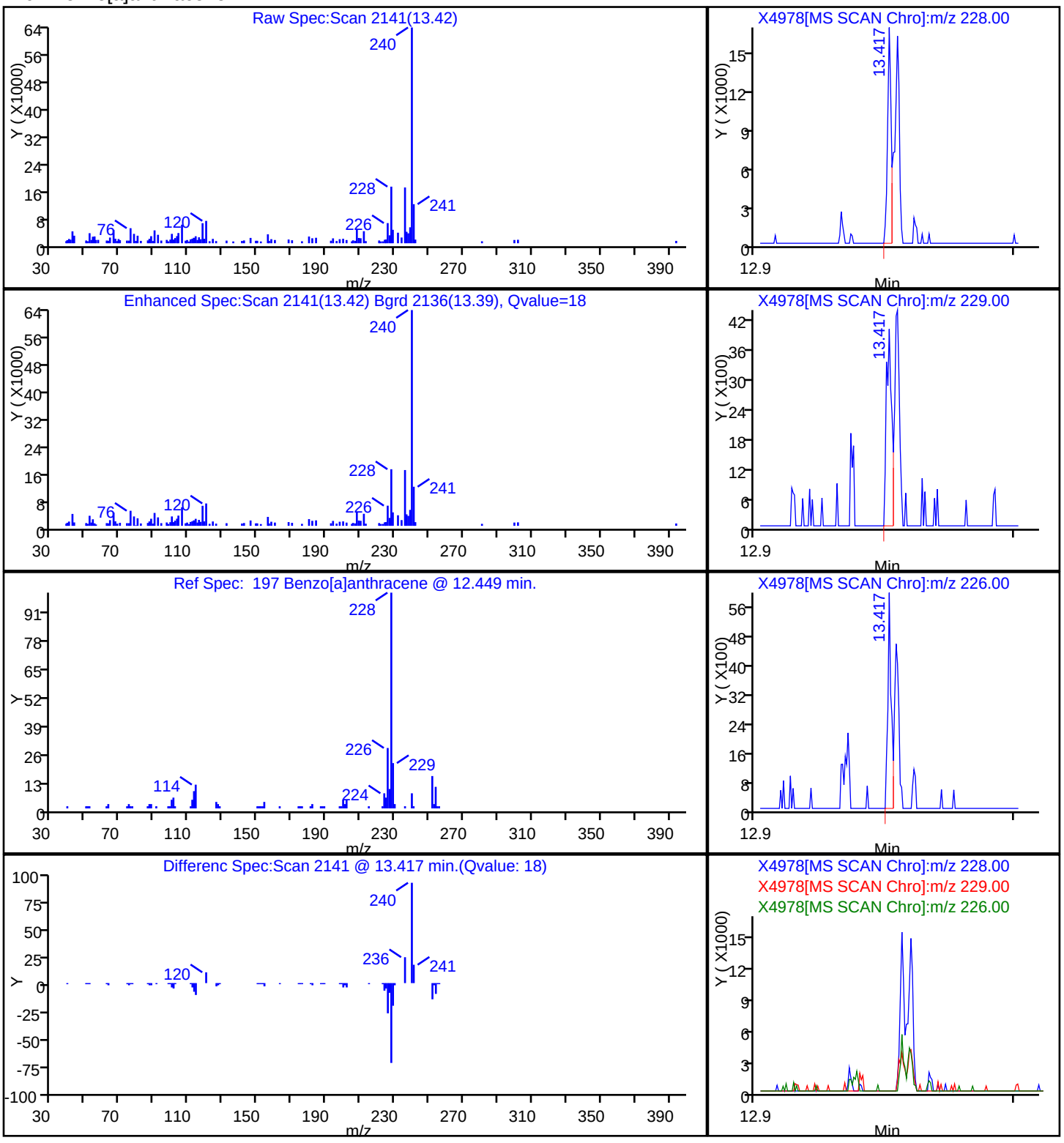


Report Date: 07-Apr-2012 11:32:55 Chrom Revision: 2.0 20-Feb-2012 13:27:02

Data File: \\Bufchrom\ChromData\HP5973X\20120406-10792.b\X4978.D

Injection Date:	07-Apr-2012 01:25:30	Limit Group:	MB - 8270C ICAL
Client ID:	RB-04 (0-6")	Instrument ID:	HP5973X
Lims Batch ID:	58507	Lims Sample ID:	28
Operator ID:	RMM	Injection Vol:	1.00 ul
Column Type:	RXI-5Sil MS	Column Dia:	0.25 mm

197 Benzo[a]anthracene

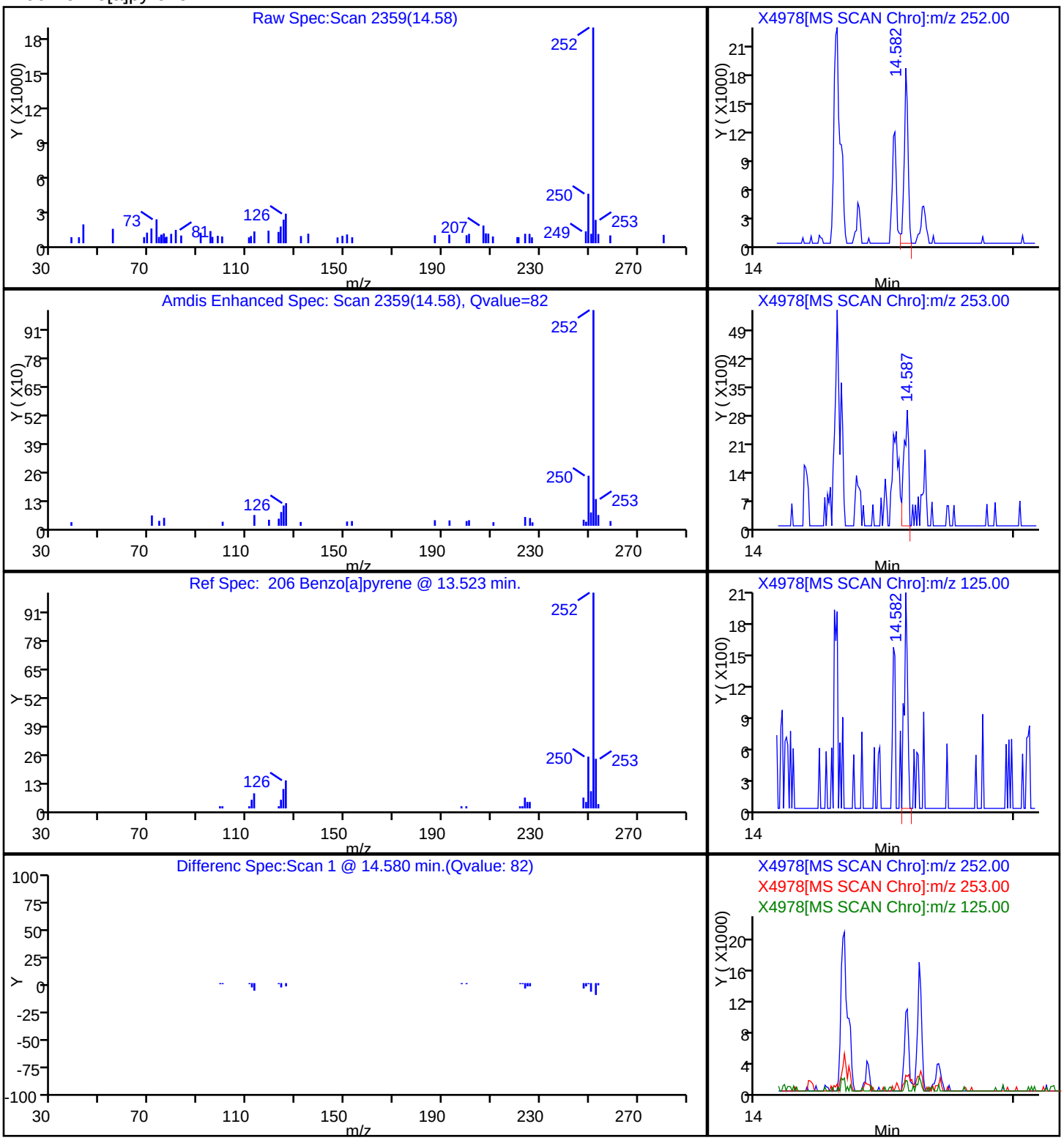


Report Date: 07-Apr-2012 11:32:56 Chrom Revision: 2.0 20-Feb-2012 13:27:02

Data File: \\Bufchrom\ChromData\HP5973X\20120406-10792.b\X4978.D

Injection Date:	07-Apr-2012 01:25:30	Limit Group:	MB - 8270C ICAL
Client ID:	RB-04 (0-6")	Instrument ID:	HP5973X
Lims Batch ID:	58507	Lims Sample ID:	28
Operator ID:	RMM	Injection Vol:	1.00 ul
Column Type:	RXI-5Sil MS	Column Dia:	0.25 mm

206 Benzo[a]pyrene

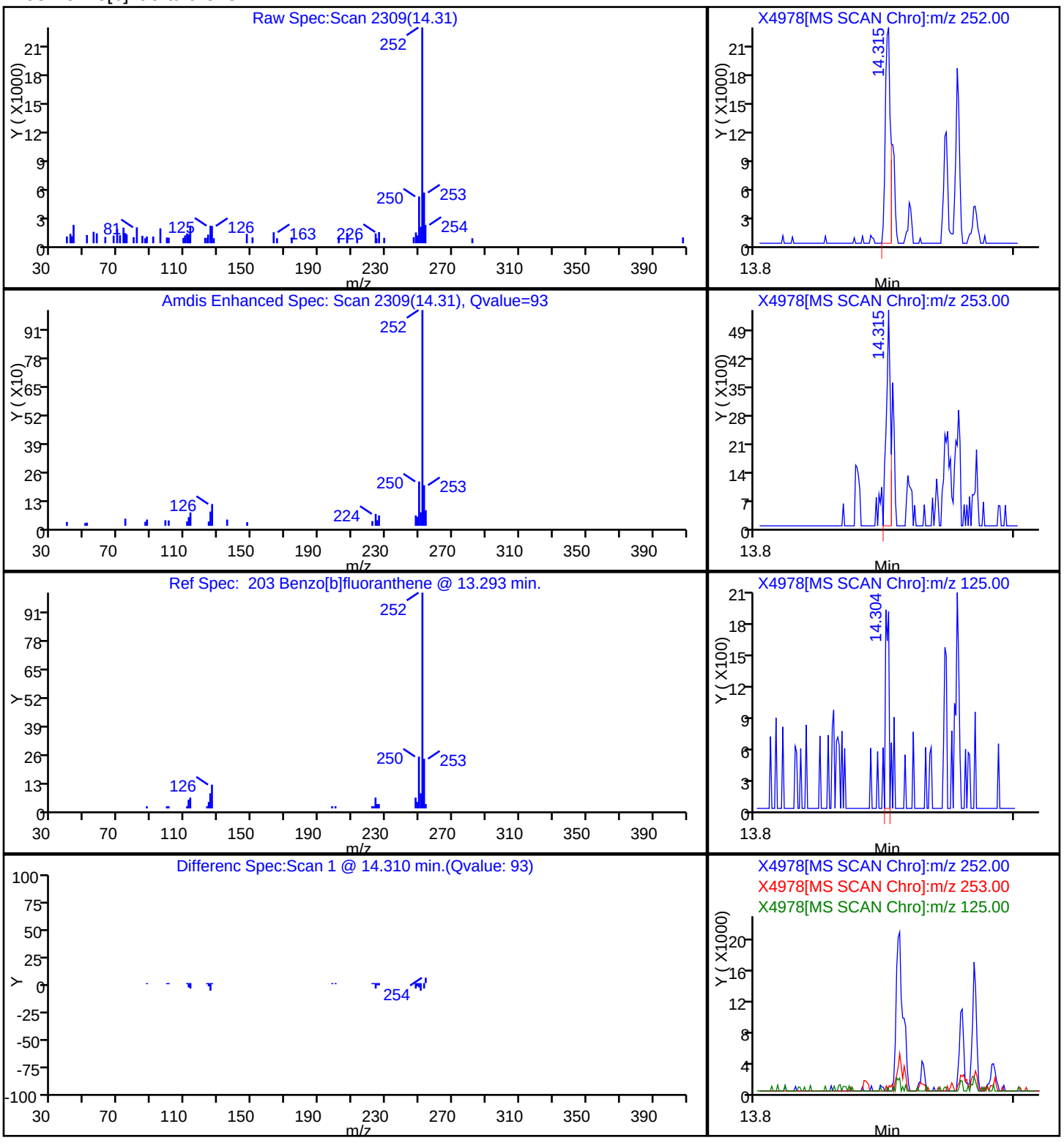


Report Date: 07-Apr-2012 11:32:56 Chrom Revision: 2.0 20-Feb-2012 13:27:02

Data File: \\Bufchrom\ChromData\HP5973X\20120406-10792.b\X4978.D

Injection Date:	07-Apr-2012 01:25:30	Limit Group:	MB - 8270C ICAL
Client ID:	RB-04 (0-6")	Instrument ID:	HP5973X
Lims Batch ID:	58507	Lims Sample ID:	28
Operator ID:	RMM	Injection Vol:	1.00 ul
Column Type:	RXI-5Sil MS	Column Dia:	0.25 mm

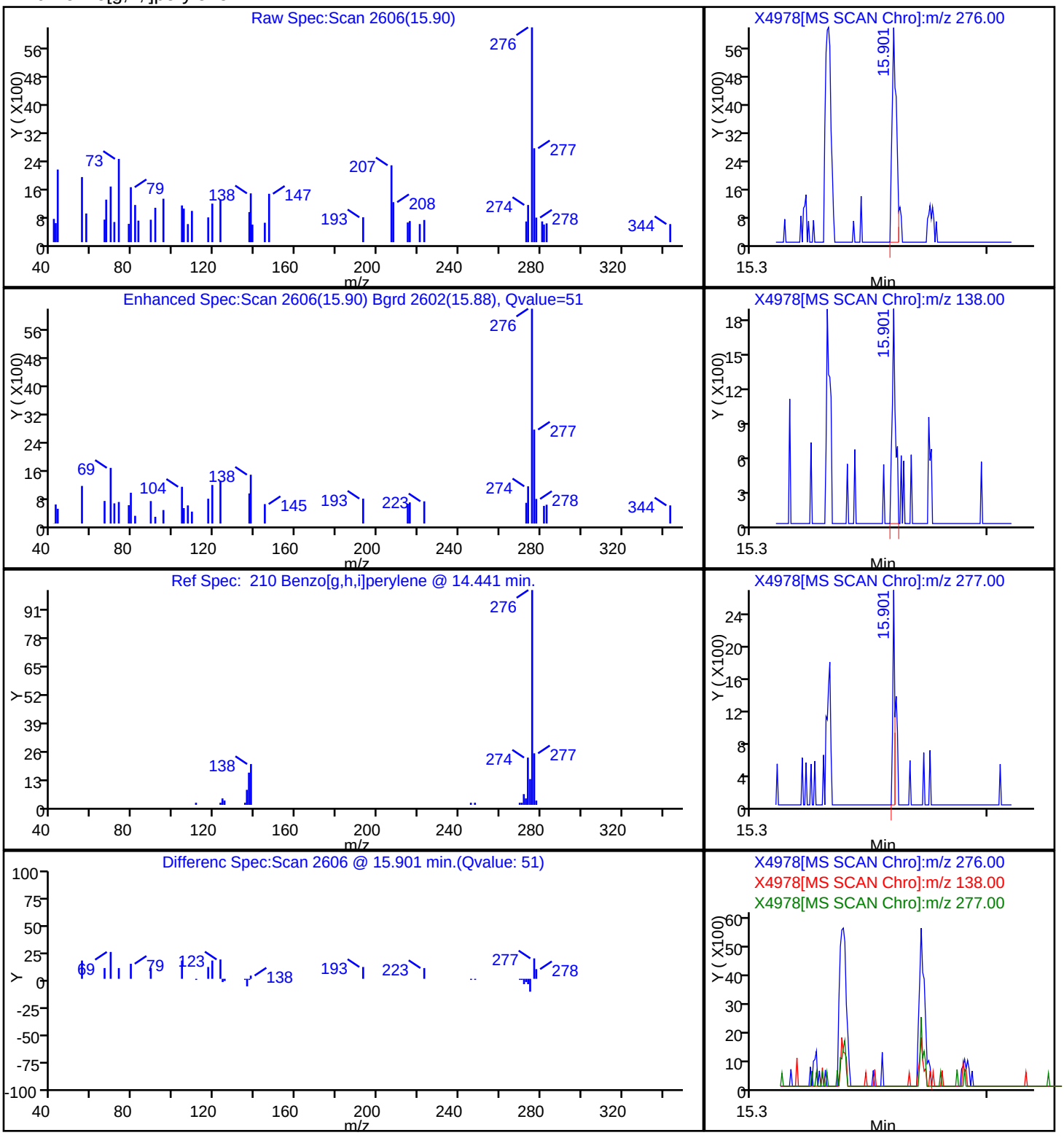
203 Benzo[b]fluoranthene



Report Date: 07-Apr-2012 11:32:56 Chrom Revision: 2.0 20-Feb-2012 13:27:02

Data File:	\\Bufchrom\ChromData\HP5973X\20120406-10792.b\X4978.D		
Injection Date:	07-Apr-2012 01:25:30	Limit Group:	MB - 8270C ICAL
Client ID:	RB-04 (0-6")	Instrument ID:	HP5973X
Lims Batch ID:	58507	Lims Sample ID:	28
Operator ID:	RMM	Injection Vol:	1.00 ul
Column Type:	RXI-5Sil MS	Column Dia:	0.25 mm

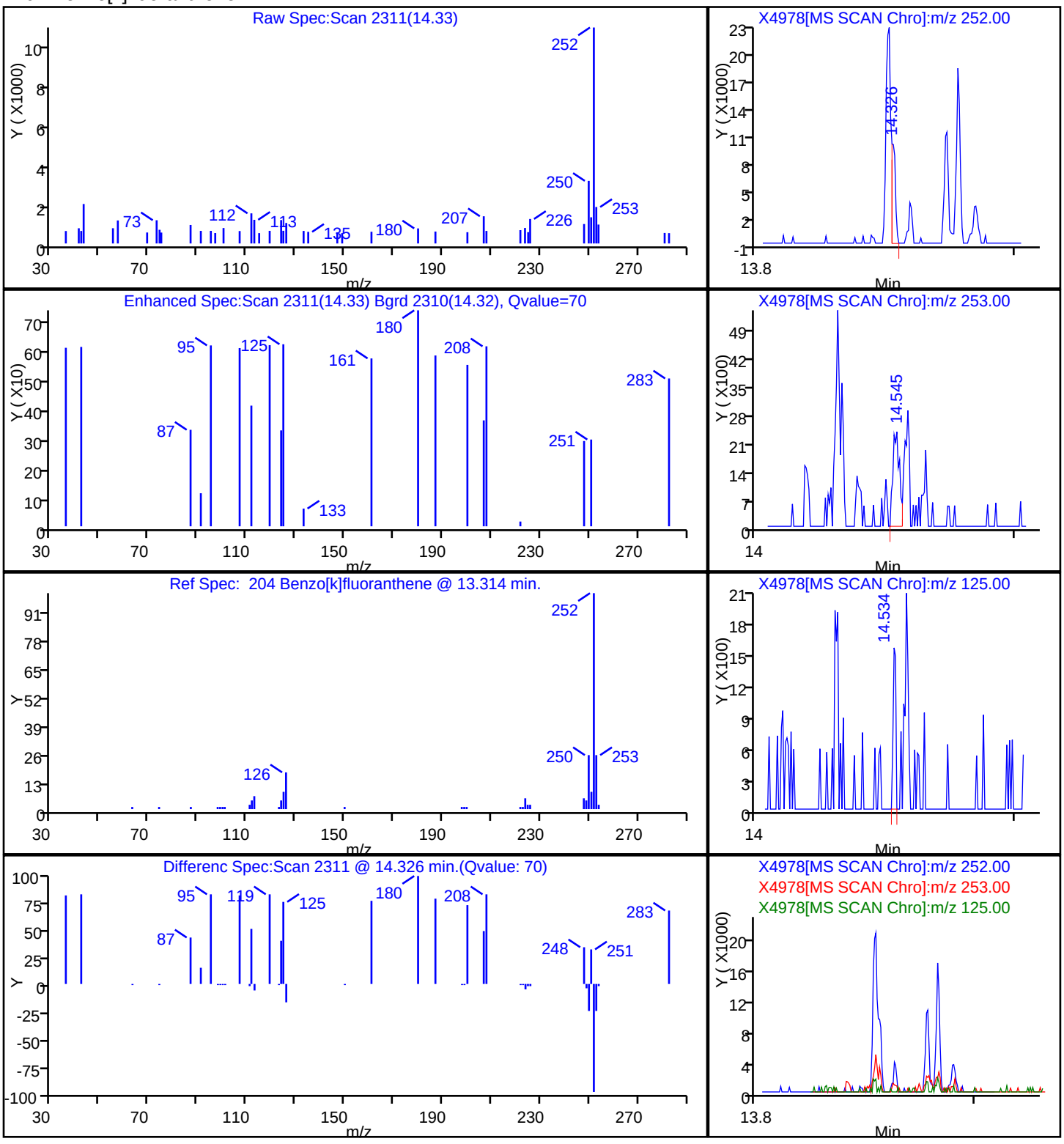
210 Benzo[g,h,i]perylene



Report Date: 07-Apr-2012 11:32:56 Chrom Revision: 2.0 20-Feb-2012 13:27:02

Data File:	\\Bufchrom\ChromData\HP5973X\20120406-10792.b\X4978.D		
Injection Date:	07-Apr-2012 01:25:30	Limit Group:	MB - 8270C ICAL
Client ID:	RB-04 (0-6")	Instrument ID:	HP5973X
Lims Batch ID:	58507	Lims Sample ID:	28
Operator ID:	RMM	Injection Vol:	1.00 ul
Column Type:	RXI-5Sil MS	Column Dia:	0.25 mm

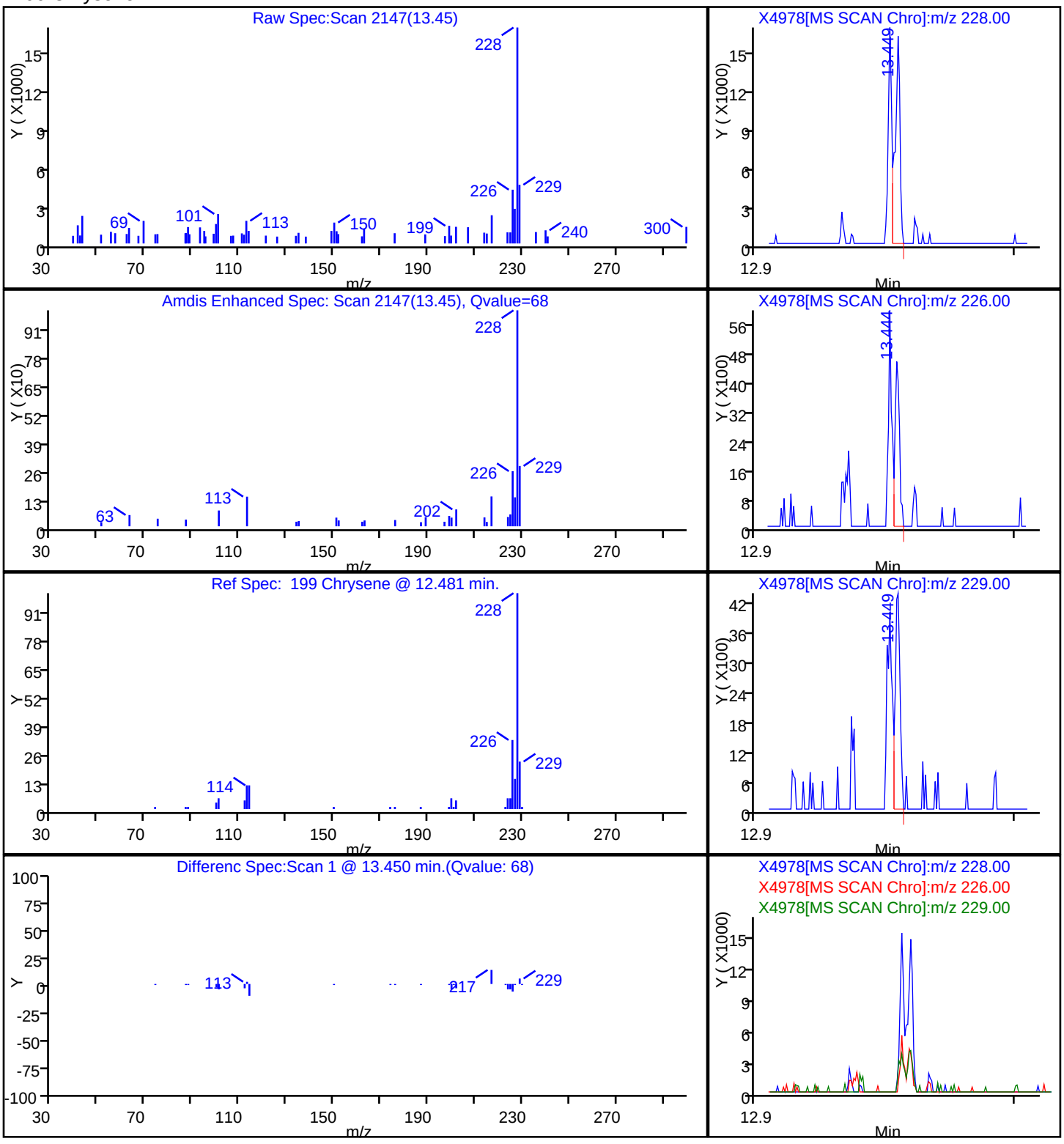
204 Benzo[k]fluoranthene



Report Date: 07-Apr-2012 11:32:55 Chrom Revision: 2.0 20-Feb-2012 13:27:02

Data File:	\\Bufchrom\ChromData\HP5973X\20120406-10792.b\X4978.D		
Injection Date:	07-Apr-2012 01:25:30	Limit Group:	MB - 8270C ICAL
Client ID:	RB-04 (0-6")	Instrument ID:	HP5973X
Lims Batch ID:	58507	Lims Sample ID:	28
Operator ID:	RMM	Injection Vol:	1.00 ul
Column Type:	RXI-5Sil MS	Column Dia:	0.25 mm

199 Chrysene

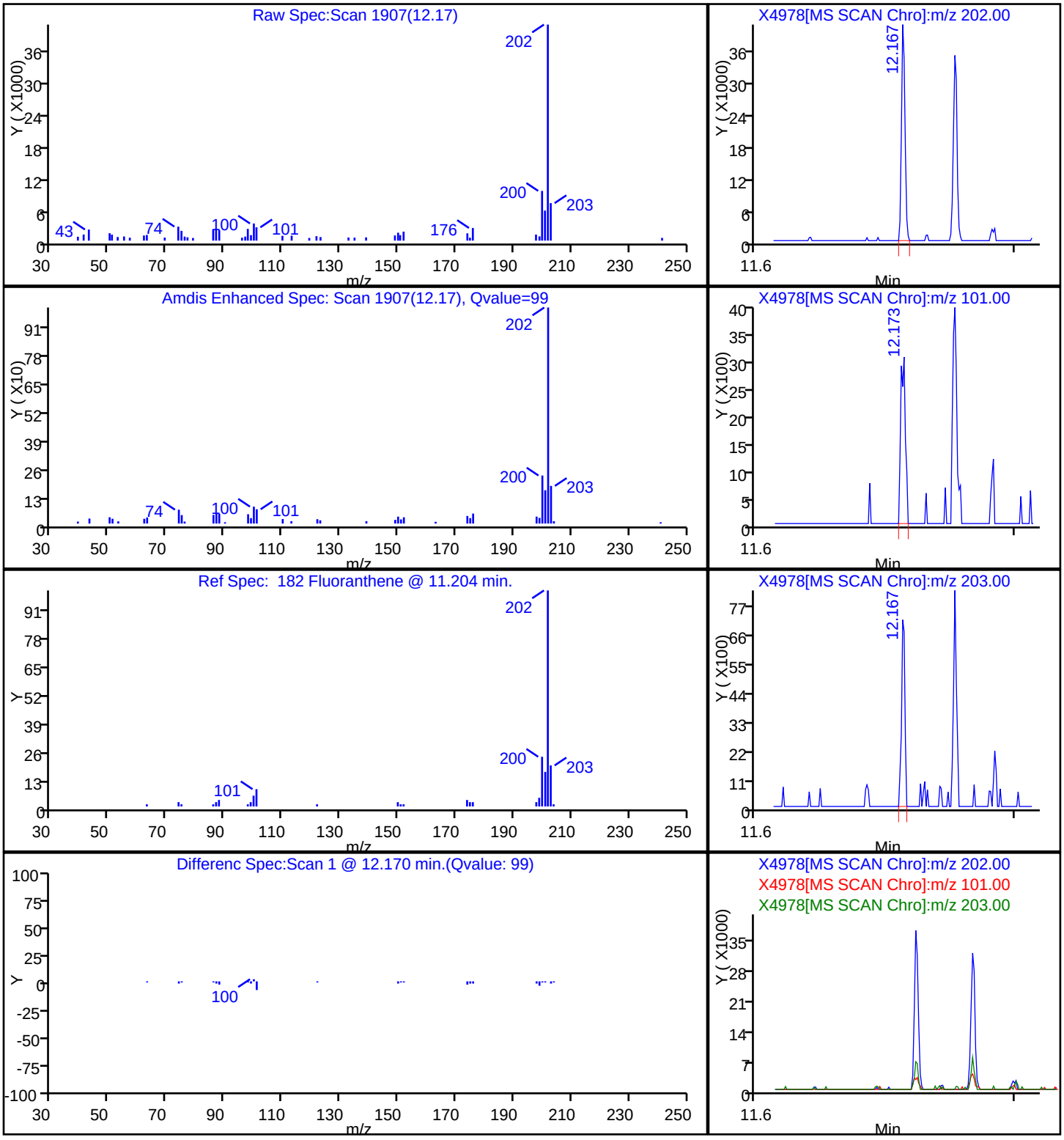


Report Date: 07-Apr-2012 11:32:55 Chrom Revision: 2.0 20-Feb-2012 13:27:02

Data File: \\Bufchrom\ChromData\HP5973X\20120406-10792.b\X4978.D

Injection Date:	07-Apr-2012 01:25:30	Limit Group:	MB - 8270C ICAL
Client ID:	RB-04 (0-6")	Instrument ID:	HP5973X
Lims Batch ID:	58507	Lims Sample ID:	28
Operator ID:	RMM	Injection Vol:	1.00 ul
Column Type:	RXI-5Sil MS	Column Dia:	0.25 mm

182 Fluoranthene

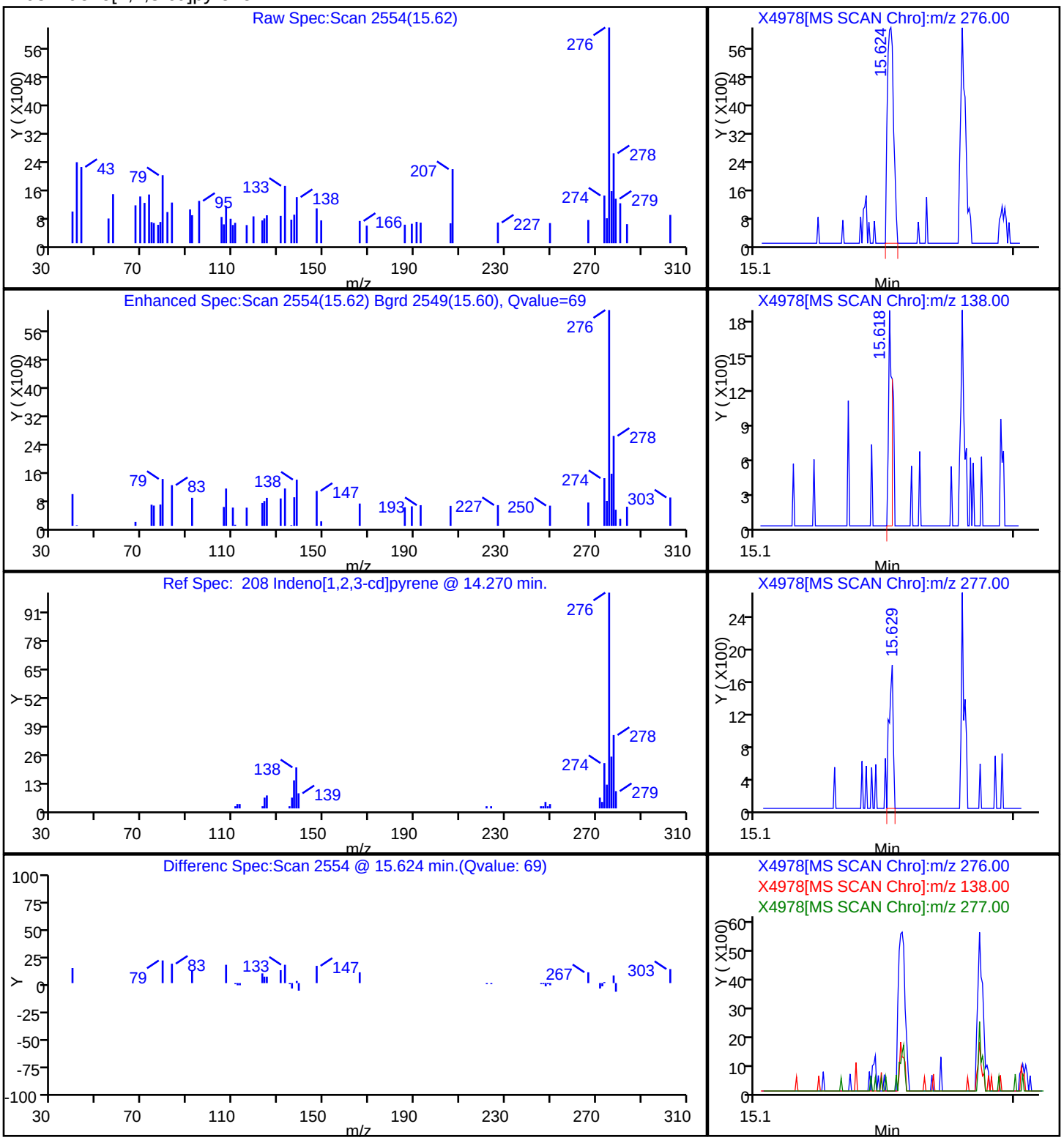


Report Date: 07-Apr-2012 11:32:56 Chrom Revision: 2.0 20-Feb-2012 13:27:02

Data File: \\Bufchrom\ChromData\HP5973X\20120406-10792.b\X4978.D

Injection Date:	07-Apr-2012 01:25:30	Limit Group:	MB - 8270C ICAL
Client ID:	RB-04 (0-6")	Instrument ID:	HP5973X
Lims Batch ID:	58507	Lims Sample ID:	28
Operator ID:	RMM	Injection Vol:	1.00 ul
Column Type:	RXI-5Sil MS	Column Dia:	0.25 mm

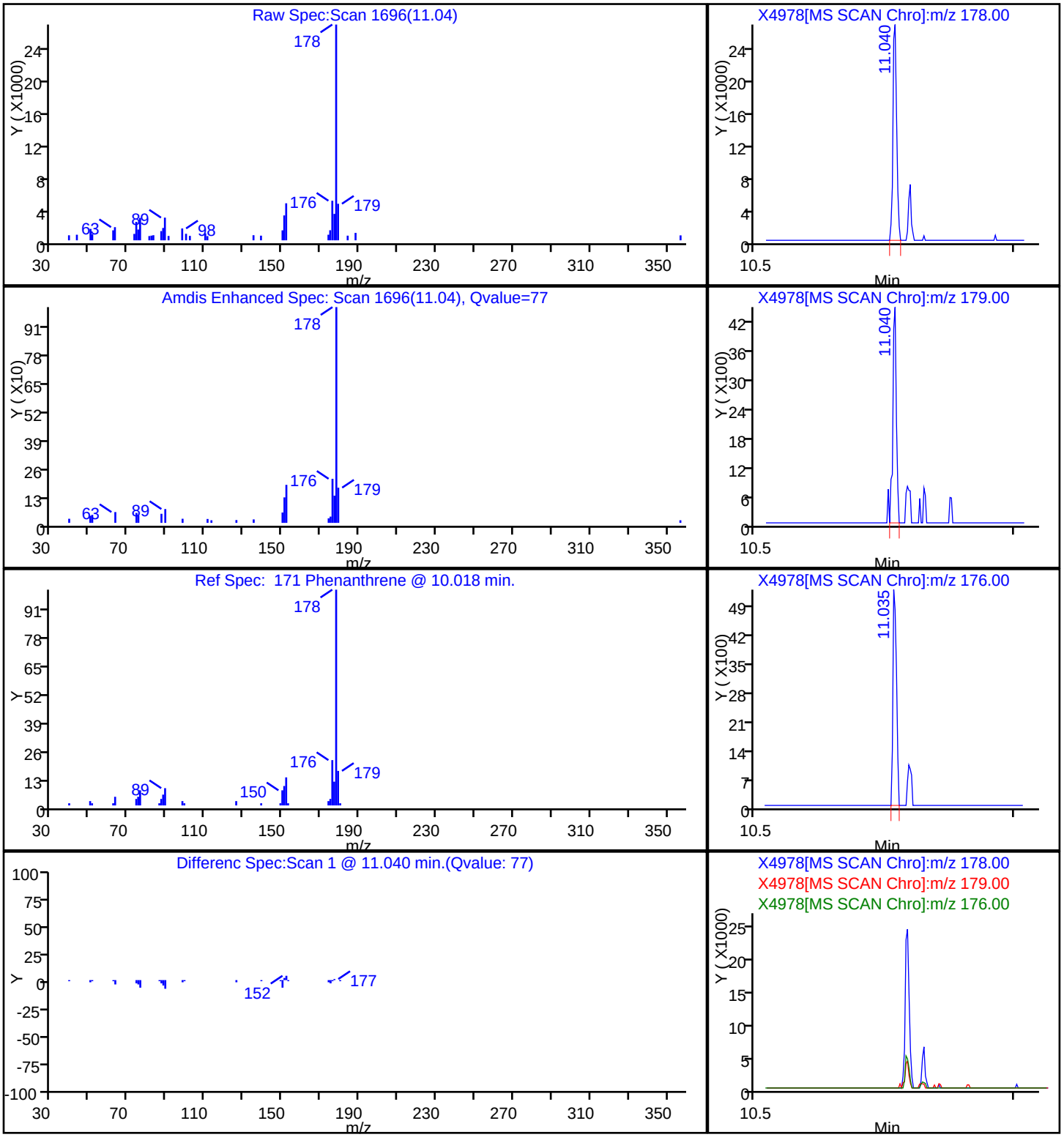
208 Indeno[1,2,3-cd]pyrene



Report Date: 07-Apr-2012 11:32:55 Chrom Revision: 2.0 20-Feb-2012 13:27:02

Data File:	\\Bufchrom\ChromData\HP5973X\20120406-10792.b\X4978.D		
Injection Date:	07-Apr-2012 01:25:30	Limit Group:	MB - 8270C ICAL
Client ID:	RB-04 (0-6")	Instrument ID:	HP5973X
Lims Batch ID:	58507	Lims Sample ID:	28
Operator ID:	RMM	Injection Vol:	1.00 ul
Column Type:	RXI-5Sil MS	Column Dia:	0.25 mm

171 Phenanthrene

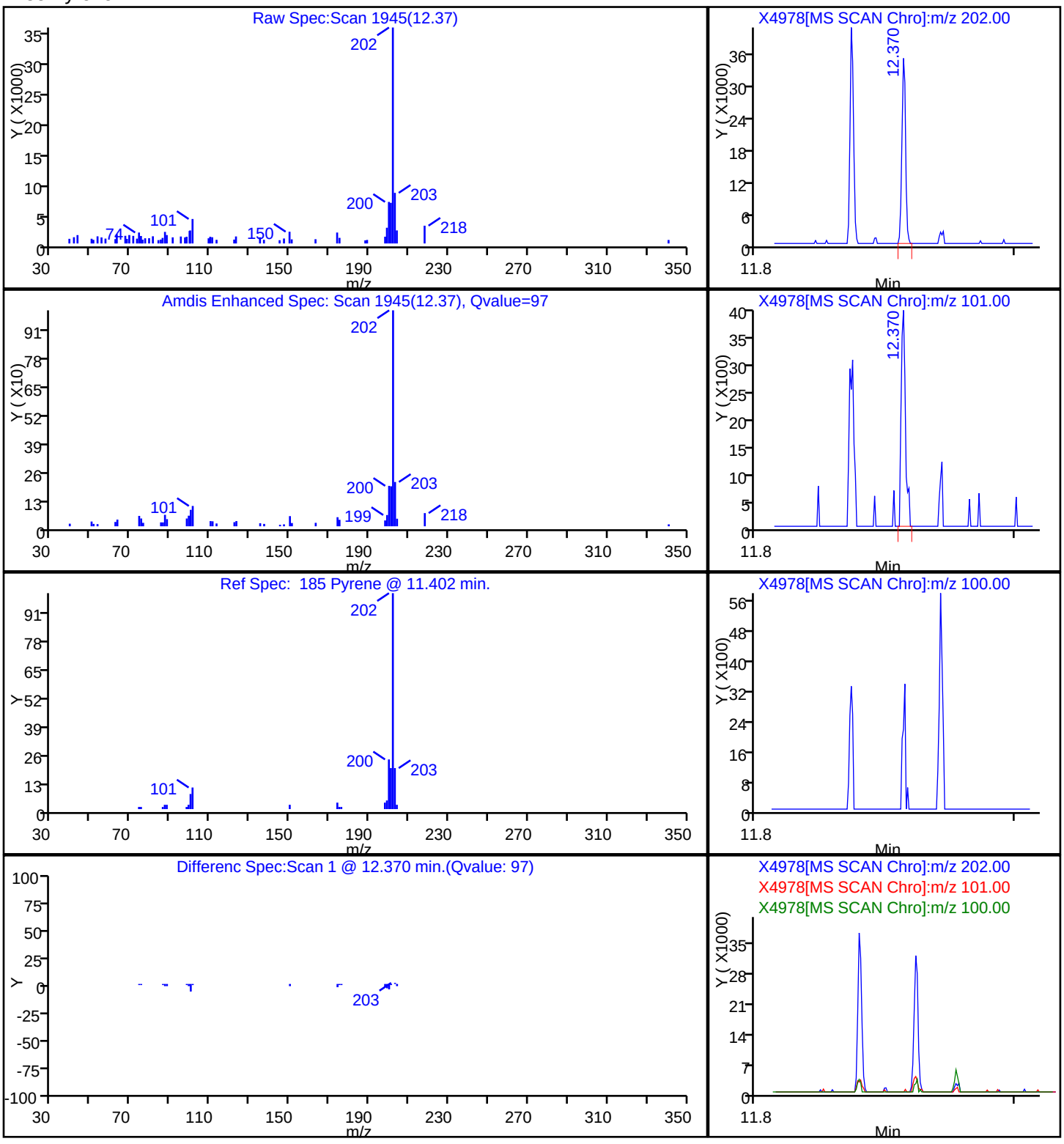


Report Date: 07-Apr-2012 11:32:55 Chrom Revision: 2.0 20-Feb-2012 13:27:02

Data File: \\Bufchrom\ChromData\HP5973X\20120406-10792.b\X4978.D

Injection Date:	07-Apr-2012 01:25:30	Limit Group:	MB - 8270C ICAL
Client ID:	RB-04 (0-6")	Instrument ID:	HP5973X
Lims Batch ID:	58507	Lims Sample ID:	28
Operator ID:	RMM	Injection Vol:	1.00 ul
Column Type:	RXI-5Sil MS	Column Dia:	0.25 mm

185 Pyrene



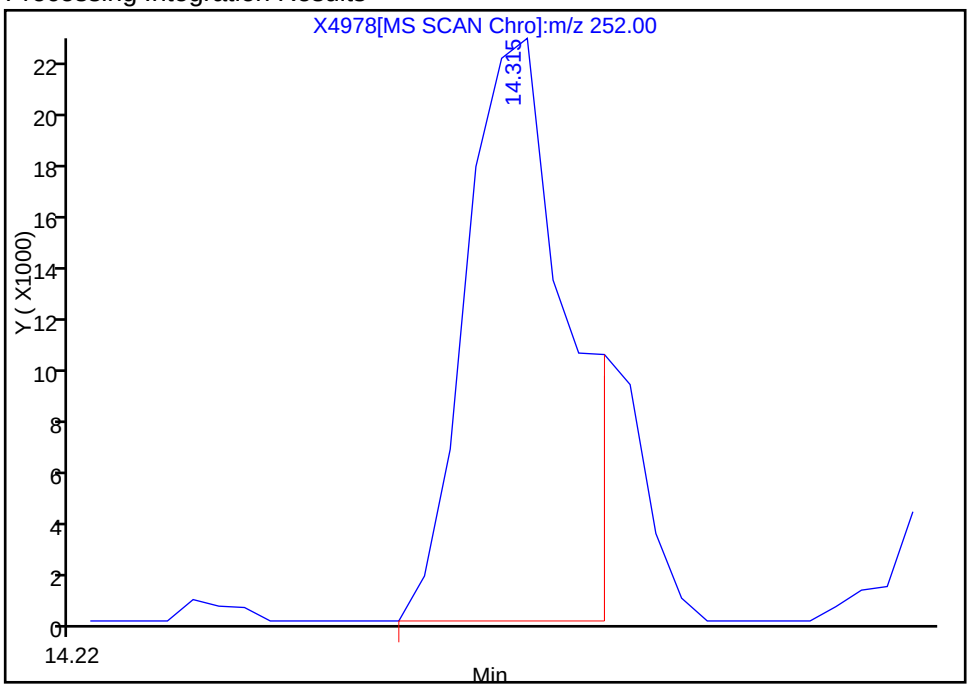
Manual Integration/User Assign Peak Report

Data File:	\\Bufchrom\ChromData\HP5973X\20120406-10792.b\X4978.D		
Injection Date:	07-Apr-2012 01:25:30	Limit Group:	MB - 8270C ICAL
Client ID:	RB-04 (0-6")	Instrument ID:	HP5973X
Lims Batch ID:	58507	Lims Sample ID:	28
Operator ID:	RMM	Injection Vol:	1.00 ul
Column Type:	RXI-5Sil MS	Column Dia:	0.25 mm

203 Benzo[b]fluoranthene, Signal: 1, m/z: 252.0 Type: quant, RT: 14.31

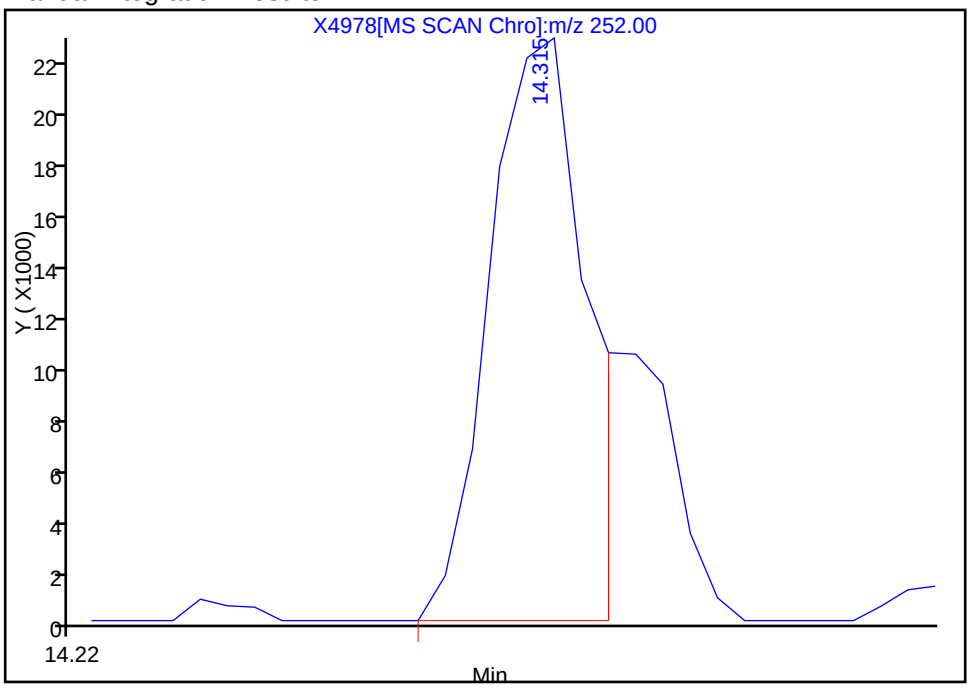
Processing Integration Results

RT: 14.31
Response: 33816
Amount: 5.040889



Manual Integration Results

RT: 14.31
Response: 30463
Amount: 4.541064



Reviewer: mckernar, 07-Apr-2012 11:32:55
Audit Action: Split an Integrated Peak
Audit Reason: Coelution

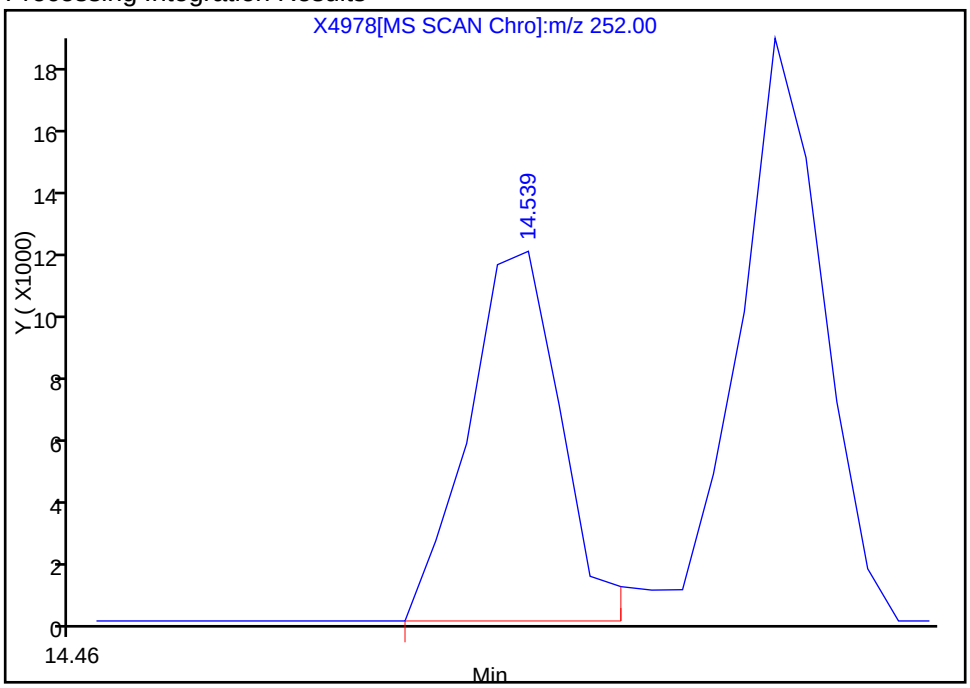
Manual Integration/User Assign Peak Report

Data File:	\\Bufchrom\ChromData\HP5973X\20120406-10792.b\X4978.D		
Injection Date:	07-Apr-2012 01:25:30	Limit Group:	MB - 8270C ICAL
Client ID:	RB-04 (0-6")	Instrument ID:	HP5973X
Lims Batch ID:	58507	Lims Sample ID:	28
Operator ID:	RMM	Injection Vol:	1.00 ul
Column Type:	RXI-5Sil MS	Column Dia:	0.25 mm

204 Benzo[k]fluoranthene, Signal: 1, m/z: 252.0 Type: quant, RT: 14.34

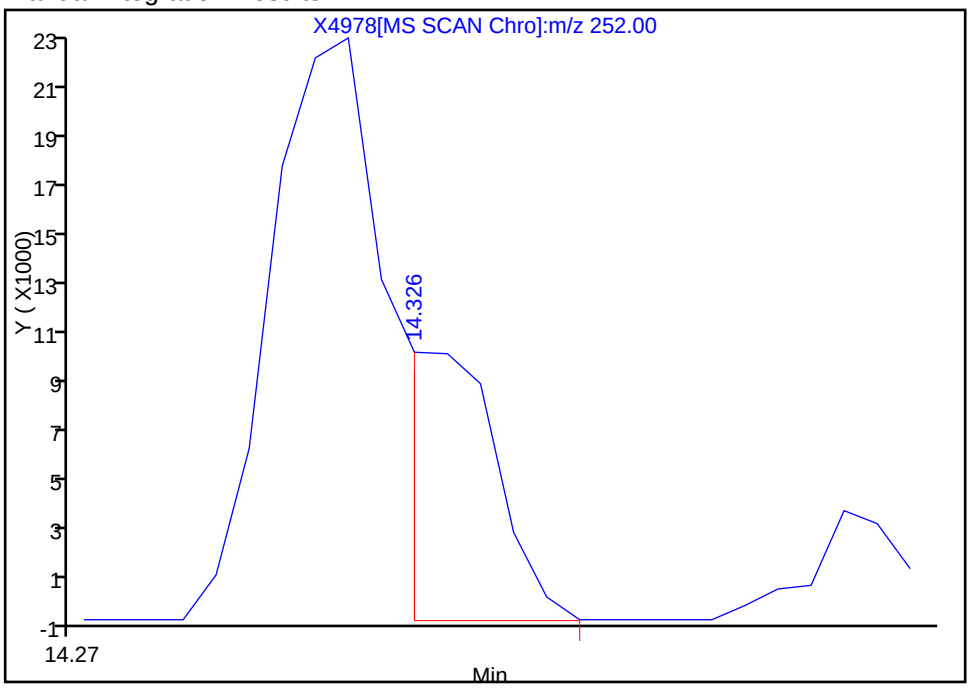
Processing Integration Results

RT: 14.54
Response: 13031
Amount: 1.829828



Manual Integration Results

RT: 14.33
Response: 11137
Amount: 1.563871

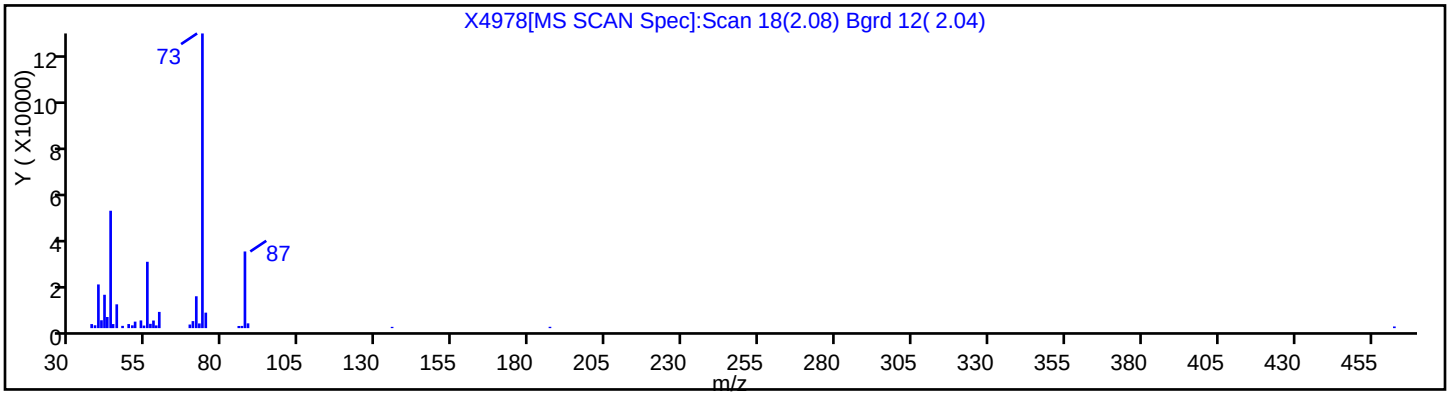


Reviewer: mckernar, 07-Apr-2012 11:32:55
Audit Action: Manually Integrated
Audit Reason: Assign Peak

Report Date: 07-Apr-2012 11:32:56 Chrom Revision: 2.0 20-Feb-2012 13:27:02

Data File:	\\Bufchrom\ChromData\HP5973X\20120406-10792.b\X4978.D		
Injection Date:	07-Apr-2012 01:25:30	Limit Group:	MB - 8270C ICAL
Client ID:	RB-04 (0-6")	Instrument ID:	HP5973X
Lims Batch ID:	58507	Lims Sample ID:	28
Operator ID:	RMM	Injection Vol:	1.00 ul
Column Type:	RXI-5Sil MS	Column Dia:	0.25 mm

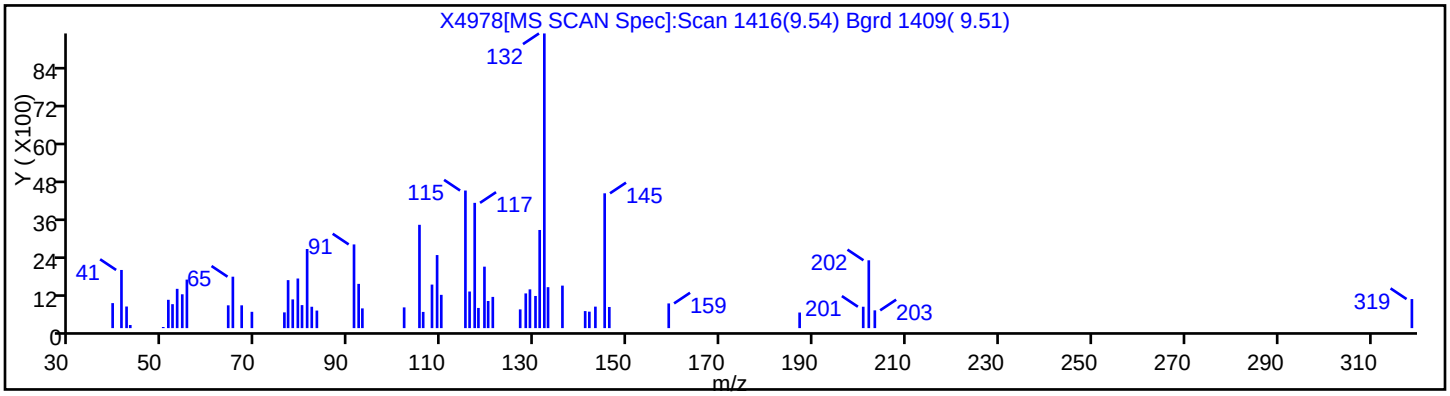
No Library Matches Found above the Threshold: 85



Report Date: 07-Apr-2012 11:32:56 Chrom Revision: 2.0 20-Feb-2012 13:27:02

Data File:	\\Bufchrom\ChromData\HP5973X\20120406-10792.b\X4978.D		
Injection Date:	07-Apr-2012 01:25:30	Limit Group:	MB - 8270C ICAL
Client ID:	RB-04 (0-6")	Instrument ID:	HP5973X
Lims Batch ID:	58507	Lims Sample ID:	28
Operator ID:	RMM	Injection Vol:	1.00 ul
Column Type:	RXI-5Sil MS	Column Dia:	0.25 mm

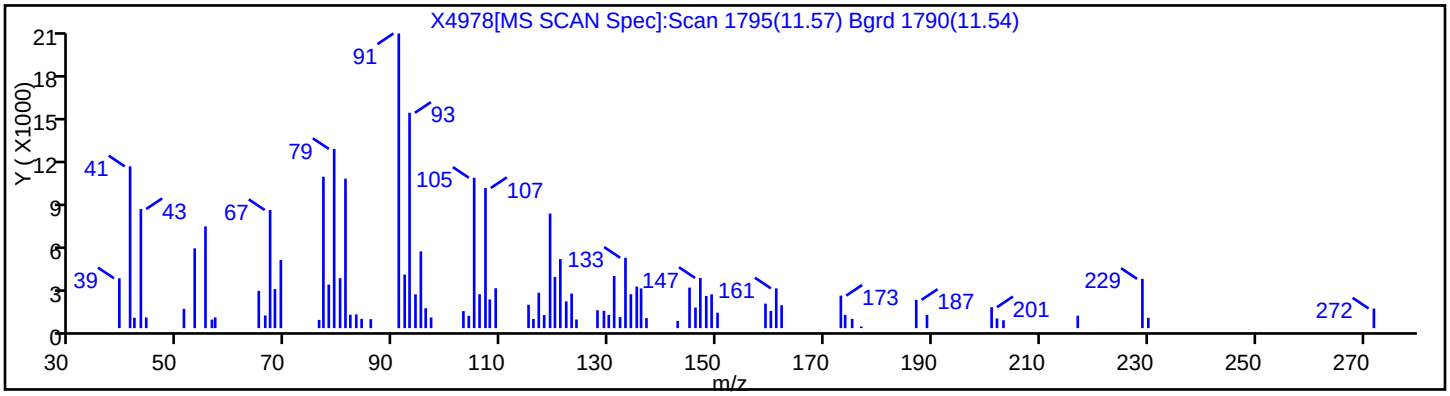
No Library Matches Found above the Threshold: 85



Report Date: 07-Apr-2012 11:32:56 Chrom Revision: 2.0 20-Feb-2012 13:27:02

Data File:	\\Bufchrom\ChromData\HP5973X\20120406-10792.b\X4978.D		
Injection Date:	07-Apr-2012 01:25:30	Limit Group:	MB - 8270C ICAL
Client ID:	RB-04 (0-6")	Instrument ID:	HP5973X
Lims Batch ID:	58507	Lims Sample ID:	28
Operator ID:	RMM	Injection Vol:	1.00 ul
Column Type:	RXI-5Sil MS	Column Dia:	0.25 mm

No Library Matches Found above the Threshold: 85

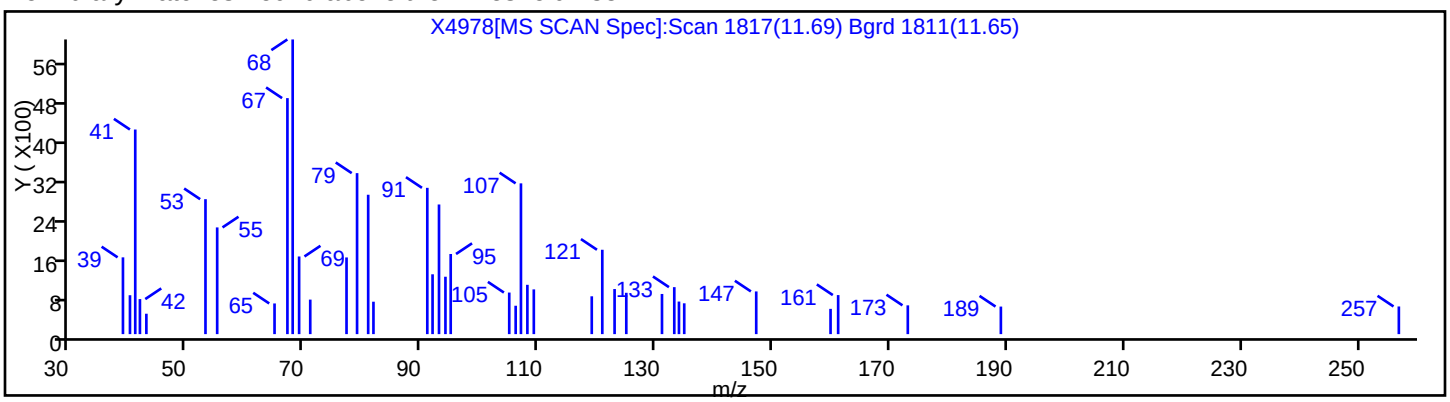


Report Date: 07-Apr-2012 11:32:56 Chrom Revision: 2.0 20-Feb-2012 13:27:02

Data File: \\Bufchrom\ChromData\HP5973X\20120406-10792.b\X4978.D

Injection Date:	07-Apr-2012 01:25:30	Limit Group:	MB - 8270C ICAL
Client ID:	RB-04 (0-6")	Instrument ID:	HP5973X
Lims Batch ID:	58507	Lims Sample ID:	28
Operator ID:	RMM	Injection Vol:	1.00 ul
Column Type:	RXI-5Sil MS	Column Dia:	0.25 mm

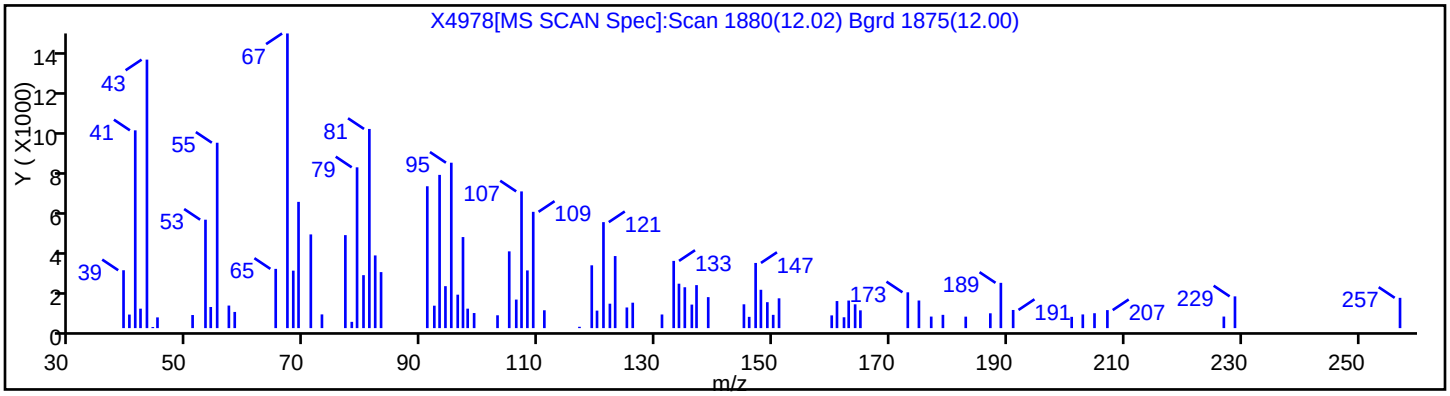
No Library Matches Found above the Threshold: 85



Report Date: 07-Apr-2012 11:32:56 Chrom Revision: 2.0 20-Feb-2012 13:27:02

Data File:	\\Bufchrom\ChromData\HP5973X\20120406-10792.b\X4978.D		
Injection Date:	07-Apr-2012 01:25:30	Limit Group:	MB - 8270C ICAL
Client ID:	RB-04 (0-6")	Instrument ID:	HP5973X
Lims Batch ID:	58507	Lims Sample ID:	28
Operator ID:	RMM	Injection Vol:	1.00 ul
Column Type:	RXI-5Sil MS	Column Dia:	0.25 mm

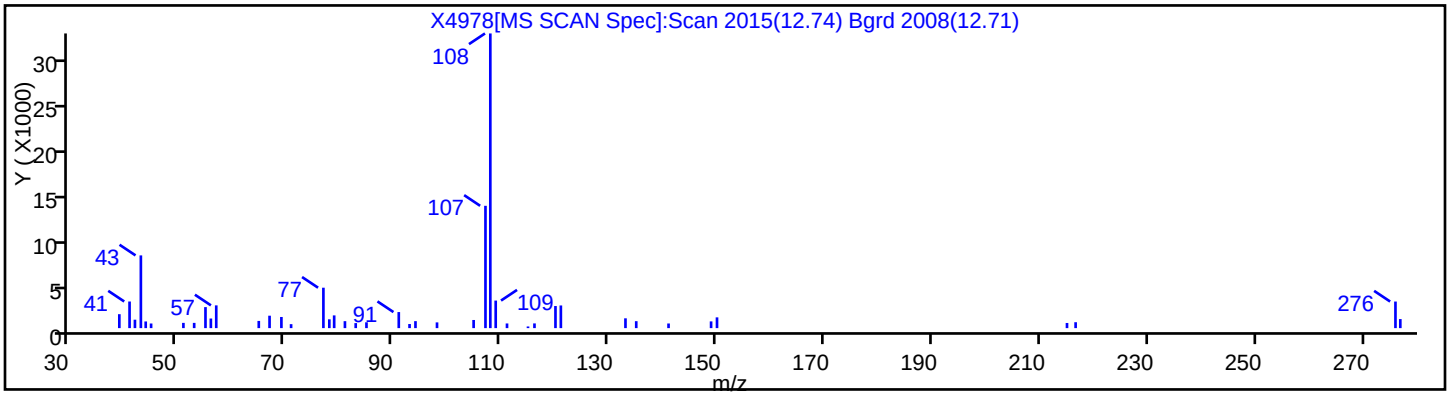
No Library Matches Found above the Threshold: 85



Report Date: 07-Apr-2012 11:32:56 Chrom Revision: 2.0 20-Feb-2012 13:27:02

Data File:	\\Bufchrom\ChromData\HP5973X\20120406-10792.b\X4978.D		
Injection Date:	07-Apr-2012 01:25:30	Limit Group:	MB - 8270C ICAL
Client ID:	RB-04 (0-6")	Instrument ID:	HP5973X
Lims Batch ID:	58507	Lims Sample ID:	28
Operator ID:	RMM	Injection Vol:	1.00 ul
Column Type:	RXI-5Sil MS	Column Dia:	0.25 mm

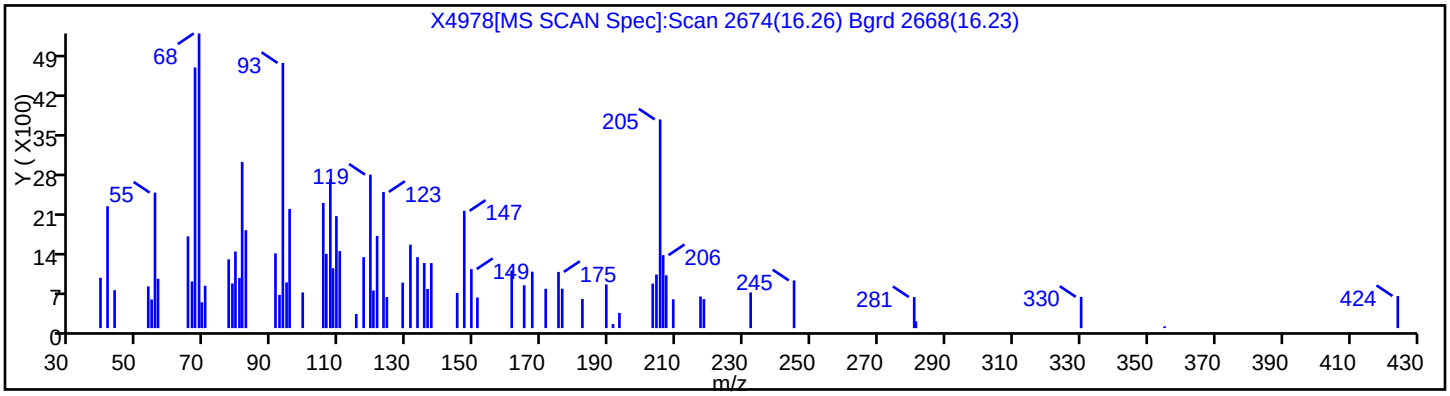
No Library Matches Found above the Threshold: 85



Report Date: 07-Apr-2012 11:32:56 Chrom Revision: 2.0 20-Feb-2012 13:27:02

Data File:	\\Bufchrom\ChromData\HP5973X\20120406-10792.b\X4978.D		
Injection Date:	07-Apr-2012 01:25:30	Limit Group:	MB - 8270C ICAL
Client ID:	RB-04 (0-6")	Instrument ID:	HP5973X
Lims Batch ID:	58507	Lims Sample ID:	28
Operator ID:	RMM	Injection Vol:	1.00 ul
Column Type:	RXI-5Sil MS	Column Dia:	0.25 mm

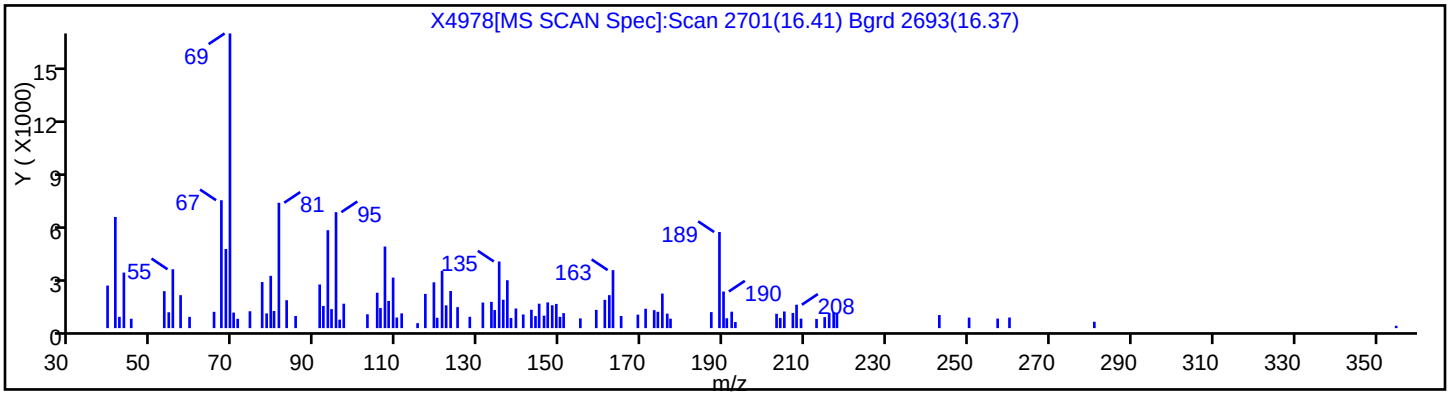
No Library Matches Found above the Threshold: 85



Report Date: 07-Apr-2012 11:32:56 Chrom Revision: 2.0 20-Feb-2012 13:27:02

Data File:	\\Bufchrom\ChromData\HP5973X\20120406-10792.b\X4978.D		
Injection Date:	07-Apr-2012 01:25:30	Limit Group:	MB - 8270C ICAL
Client ID:	RB-04 (0-6")	Instrument ID:	HP5973X
Lims Batch ID:	58507	Lims Sample ID:	28
Operator ID:	RMM	Injection Vol:	1.00 ul
Column Type:	RXI-5Sil MS	Column Dia:	0.25 mm

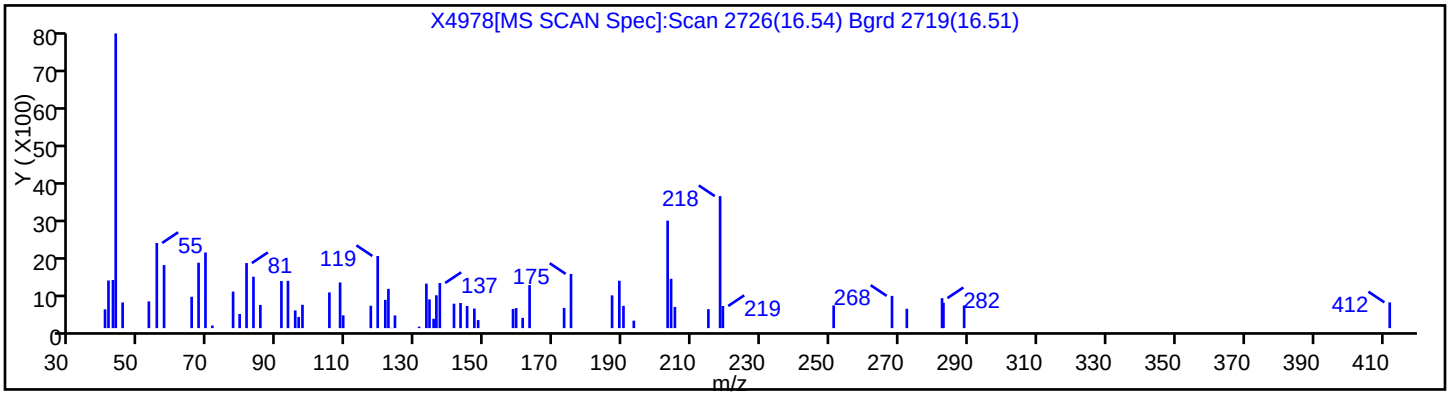
No Library Matches Found above the Threshold: 85



Report Date: 07-Apr-2012 11:32:56 Chrom Revision: 2.0 20-Feb-2012 13:27:02

Data File:	\\Bufchrom\ChromData\HP5973X\20120406-10792.b\X4978.D		
Injection Date:	07-Apr-2012 01:25:30	Limit Group:	MB - 8270C ICAL
Client ID:	RB-04 (0-6")	Instrument ID:	HP5973X
Lims Batch ID:	58507	Lims Sample ID:	28
Operator ID:	RMM	Injection Vol:	1.00 ul
Column Type:	RXI-5Sil MS	Column Dia:	0.25 mm

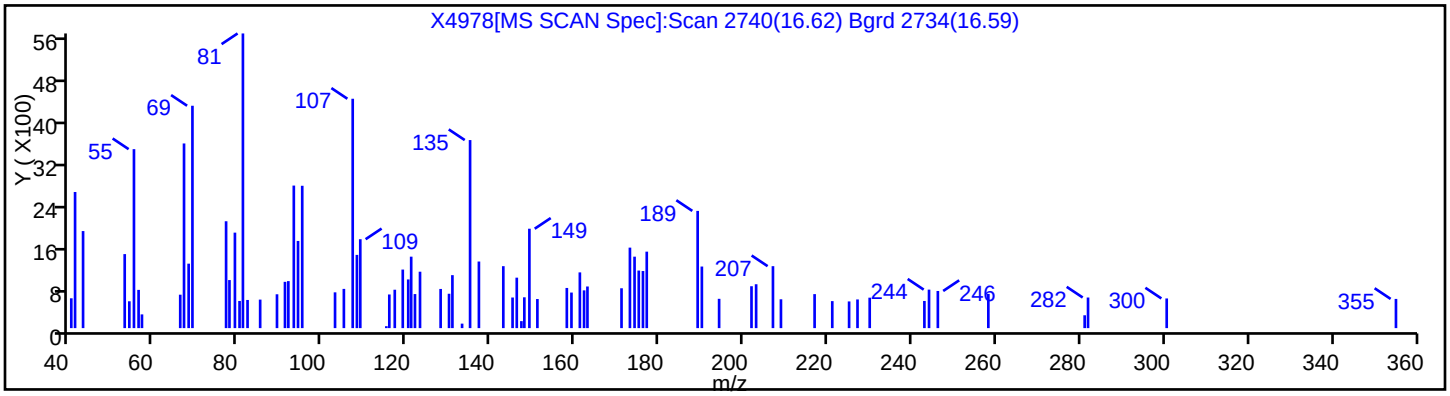
No Library Matches Found above the Threshold: 85



Report Date: 07-Apr-2012 11:32:56 Chrom Revision: 2.0 20-Feb-2012 13:27:02

Data File:	\\Bufchrom\ChromData\HP5973X\20120406-10792.b\X4978.D		
Injection Date:	07-Apr-2012 01:25:30	Limit Group:	MB - 8270C ICAL
Client ID:	RB-04 (0-6")	Instrument ID:	HP5973X
Lims Batch ID:	58507	Lims Sample ID:	28
Operator ID:	RMM	Injection Vol:	1.00 ul
Column Type:	RXI-5Sil MS	Column Dia:	0.25 mm

No Library Matches Found above the Threshold: 85



FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Buffalo | Job No.: 480-18068-1

SDG No.:

Client Sample ID: RB-04 (6"-12" | Lab Sample ID: 480-18068-5

Matrix: Solid | Lab File ID: X4979.D

Analysis Method: 8270C | Date Collected: 04/02/2012 14:22

Extract. Method: 3550B | Date Extracted: 04/05/2012 10:44

Sample wt/vol: +30.02(g) | Date Analyzed: 04/07/2012 01:49

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

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

% Moisture: 25.9 | GPC Cleanup:(Y/N) N

Analysis Batch No.: 58507 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
95-95-4	2,4,5-Trichlorophenol	ND		230	50
88-06-2	2,4,6-Trichlorophenol	ND		230	15
120-83-2	2,4-Dichlorophenol	ND		230	12
105-67-9	2,4-Dimethylphenol	ND		230	61
51-28-5	2,4-Dinitrophenol	ND		450	80
121-14-2	2,4-Dinitrotoluene	ND		230	35
606-20-2	2,6-Dinitrotoluene	ND		230	56
91-58-7	2-Chloronaphthalene	ND		230	15
95-57-8	2-Chlorophenol	ND		230	12
91-57-6	2-Methylnaphthalene	ND		230	2.8
95-48-7	2-Methylphenol	ND		230	7.0
88-74-4	2-Nitroaniline	ND		450	73
88-75-5	2-Nitrophenol	ND		230	10
91-94-1	3,3'-Dichlorobenzidine	ND		230	200
99-09-2	3-Nitroaniline	ND		450	52
534-52-1	4,6-Dinitro-2-methylphenol	ND		450	79
101-55-3	4-Bromophenyl phenyl ether	ND		230	72
59-50-7	4-Chloro-3-methylphenol	ND		230	9.4
106-47-8	4-Chloroaniline	ND		230	67
7005-72-3	4-Chlorophenyl phenyl ether	ND		230	4.9
106-44-5	4-Methylphenol	ND		450	13
100-01-6	4-Nitroaniline	ND		450	25
100-02-7	4-Nitrophenol	ND	*	450	55
83-32-9	Acenaphthene	ND		230	2.7
208-96-8	Acenaphthylene	ND		230	1.9
98-86-2	Acetophenone	ND		230	12
120-12-7	Anthracene	36	J	230	5.8
1912-24-9	Atrazine	ND	*	230	10
100-52-7	Benzaldehyde	ND		230	25
56-55-3	Benzo(a)anthracene	130	J	230	3.9
50-32-8	Benzo(a)pyrene	120	J	230	5.5
205-99-2	Benzo(b)fluoranthene	160	J	230	4.4
191-24-2	Benzo(g,h,i)perylene	ND		230	2.7
207-08-9	Benzo(k)fluoranthene	47	J	230	2.5

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Buffalo | Job No.: 480-18068-1

SDG No.:

Client Sample ID: RB-04 (6"-12" | Lab Sample ID: 480-18068-5

Matrix: Solid | Lab File ID: X4979.D

Analysis Method: 8270C | Date Collected: 04/02/2012 14:22

Extract. Method: 3550B | Date Extracted: 04/05/2012 10:44

Sample wt/vol: +30.02(g) | Date Analyzed: 04/07/2012 01:49

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

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

% Moisture: 25.9 | GPC Cleanup:(Y/N) N

Analysis Batch No.: 58507 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
92-52-4	Biphenyl	ND		230	14
108-60-1	bis (2-chloroisopropyl) ether	ND		230	24
111-91-1	Bis(2-chloroethoxy)methane	ND		230	12
111-44-4	Bis(2-chloroethyl)ether	ND		230	20
117-81-7	Bis(2-ethylhexyl) phthalate	ND		230	73
85-68-7	Butyl benzyl phthalate	ND		230	61
105-60-2	Caprolactam	ND		230	98
86-74-8	Carbazole	ND		230	2.6
218-01-9	Chrysene	160	J	230	2.3
53-70-3	Dibenz(a,h)anthracene	ND		230	2.7
132-64-9	Dibenzofuran	ND		230	2.4
84-66-2	Diethyl phthalate	ND		230	6.9
131-11-3	Dimethyl phthalate	ND		230	5.9
84-74-2	Di-n-butyl phthalate	ND		230	79
117-84-0	Di-n-octyl phthalate	ND		230	5.3
206-44-0	Fluoranthene	230		230	3.3
86-73-7	Fluorene	ND		230	5.2
118-74-1	Hexachlorobenzene	ND		230	11
87-68-3	Hexachlorobutadiene	ND		230	12
77-47-4	Hexachlorocyclopentadiene	ND		230	69
67-72-1	Hexachloroethane	ND		230	18
193-39-5	Indeno(1,2,3-cd)pyrene	56	J	230	6.3
78-59-1	Isophorone	ND		230	11
91-20-3	Naphthalene	ND		230	3.8
98-95-3	Nitrobenzene	ND		230	10
621-64-7	N-Nitrosodi-n-propylamine	ND		230	18
86-30-6	N-Nitrosodiphenylamine	ND		230	12
87-86-5	Pentachlorophenol	ND		450	78
85-01-8	Phenanthrene	150	J	230	4.8
108-95-2	Phenol	ND		230	24
129-00-0	Pyrene	170	J	230	1.5

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Buffalo | Job No.: 480-18068-1

SDG No.:

Client Sample ID: RB-04 (6"-12" | Lab Sample ID: 480-18068-5

Matrix: Solid | Lab File ID: X4979.D

Analysis Method: 8270C | Date Collected: 04/02/2012 14:22

Extract. Method: 3550B | Date Extracted: 04/05/2012 10:44

Sample wt/vol: +30.02(g) | Date Analyzed: 04/07/2012 01:49

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

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

% Moisture: 25.9 | GPC Cleanup:(Y/N) N

Analysis Batch No.: 58507 | Units: ug/Kg

CAS NO.	SURROGATE	%REC	Q	LIMITS
118-79-6	2,4,6-Tribromophenol	98		39-146
321-60-8	2-Fluorobiphenyl	72		37-120
367-12-4	2-Fluorophenol	56		18-120
4165-60-0	Nitrobenzene-d5	67		34-132
4165-62-2	Phenol-d5	63		11-120
1718-51-0	p-Terphenyl-d14	106		65-153

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

Lab Name: TestAmerica Buffalo | Job No.: 480-18068-1

SDG No.:

Client Sample ID: RB-04 (6"-12" | Lab Sample ID: 480-18068-5

Matrix: Solid | Lab File ID: X4979.D

Analysis Method: 8270C | Date Collected: 04/02/2012 14:22

Extract. Method: 3550B | Date Extracted: 04/05/2012 10:44

Sample wt/vol: +30.02(g) | Date Analyzed: 04/07/2012 01:49

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

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

% Moisture: 25.9 | GPC Cleanup:(Y/N) N

Analysis Batch No.: 58507 | Units: ug/Kg

Number TICs Found: 6 | TIC Result Total: 4780

CAS NO.	COMPOUND NAME	RT	RESULT	Q
	Unknown	2.15	1700	T J
	Unknown	14.76	1900	T J
	Unknown	15.93	220	T J
	Unknown	16.07	240	T J
	Unknown	16.28	260	T J
	Unknown	16.55	460	T J

TestAmerica Laboratories
Target Compound Quantitation Report

Data File: \\Bufchrom\ChromData\HP5973X\20120406-10792.b\X4979.D
Lims ID: 480-18068-A-5-B
Client ID: RB-04 (6"-12"
Inject. Date: 07-Apr-2012 01:49:30
Dil. Factor: 1.0000
Sample Type: Client
Sample ID: 480-0010792-029
Misc. Info.:
Operator: RMM
Instrument ID: HP5973X
Vol. Injected: 1.0000
ALS Bottle#: 30
Lims Batch ID: 58507
Lims Sample ID: 29
Detector: MS SCAN

Method: \\Bufchrom\ChromData\HP5973X\20120406-10792.b\X-8270.m
Last Update: 07-Apr-2012 11:34:10
Calib Date: 03-Apr-2012 15:26:30
Quant Method: Internal Standard
Quant By: Initial Calibration
Last ICal File: \\Bufchrom\ChromData\HP5973X\20120403-10684.b\X4785.D
Limit Group: MB - 8270C ICAL
Integrator: RTE
ID Type: Deconvolution ID
Process Host: CORP-CTX-16

First Level Reviewer: mckernar
Date: 07-Apr-2012 11:34:10

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ng/uL	Flags
* 1 1,4-Dichlorobenzene-d4	152	5.826	5.810	0.016	93	52663	40.0	
* 2 Naphthalene-d8	136	7.333	7.322	0.011	92	213640	40.0	
* 3 Acenaphthene-d10	164	9.400	9.400	0.0	58	144299	40.0	
* 4 Phenanthrene-d10	188	11.029	11.024	0.005	99	228815	40.0	
* 5 Chrysene-d12	240	13.439	13.417	0.022	98	172907	40.0	
* 6 Perylene-d12	264	14.641	14.614	0.027	98	206962	40.0	
$ 7 2-Fluorophenol	112	4.287	4.239	0.048	95	138972	83.9	
$ 8 Phenol-d5	99	5.452	5.431	0.021	81	217377	94.8	
$ 9 Nitrobenzene-d5	82	6.494	6.478	0.016	95	174545	66.9	
$ 10 2-Fluorobiphenyl	172	8.620	8.615	0.005	99	317457	71.8	
$ 11 2,4,6-Tribromophenol	330	10.319	10.308	0.011	86	104292	147.7	
$ 12 p-Terphenyl-d14	244	12.541	12.509	0.032	96	375024	105.8	
62 Benzaldehyde	77		5.286					
63 Phenol	94		5.447					
66 Bis(2-chloroethyl)ether	93		5.505					
67 2-Chlorophenol	128		5.564					
74 2,2'-oxybis[1-chloropropane]	45		6.157					
73 2-Methylphenol	108		6.163					
76 Acetophenone	105		6.307					
78 N-Nitrosodi-n-propylamine	70		6.312					
79 4-Methylphenol	108		6.355					
81 Hexachloroethane	117		6.398					
83 Nitrobenzene	77		6.499					
86 Isophorone	82		6.793					
87 2-Nitrophenol	139		6.878					
89 2,4-Dimethylphenol	107		6.980					
94 Bis(2-chloroethoxy)methane	93		7.065					
97 2,4-Dichlorophenol	162		7.194					
99 Naphthalene	128		7.343					
101 4-Chloroaniline	127		7.445					
104 Hexachlorobutadiene	225		7.498					

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ng/uL	Flags
105 Caprolactam	113		7.872					
110 4-Chloro-3-methylphenol	107		8.059					
113 2-Methylnaphthalene	142		8.171					
116 Hexachlorocyclopentadiene	237		8.353					
118 2,4,6-Trichlorophenol	196		8.529					
119 2,4,5-Trichlorophenol	196		8.599					
123 1,1'-Biphenyl	154		8.732					
124 2-Chloronaphthalene	162		8.743					
125 2-Nitroaniline	65		8.903					
128 Dimethyl phthalate	163		9.122					
130 2,6-Dinitrotoluene	165		9.197					
131 Acenaphthylene	152		9.229					
132 3-Nitroaniline	138		9.400					
133 Acenaphthene	153		9.432					
134 2,4-Dinitrophenol	184		9.528					
138 Dibenzofuran	168		9.640					
137 2,4-Dinitrotoluene	165		9.672					
135 4-Nitrophenol	109		9.683					
142 Diethyl phthalate	149		9.950					
144 Fluorene	166		10.036					
145 4-Chlorophenyl phenyl ether	204		10.046					
147 4-Nitroaniline	138		10.110					
148 4,6-Dinitro-2-methylphenol	198		10.132					
149 N-Nitrosodiphenylamine	169		10.185					
159 4-Bromophenyl phenyl ether	248		10.565					
160 Hexachlorobenzene	284		10.618					
163 Atrazine	200		10.784					
165 Pentachlorophenol	266		10.848					
171 Phenanthrene	178	11.056	11.035	0.021	74	20867	3.43	
172 Anthracene	178	11.115	11.088	0.027	15	4769	0.7900	
173 Carbazole	167		11.270					
176 Di-n-butyl phthalate	149		11.612					
182 Fluoranthene	202	12.189	12.162	0.027	95	31701	5.02	
185 Pyrene	202	12.392	12.360	0.032	95	26550	3.83	
192 Butyl benzyl phthalate	149		12.937					
196 3,3'-Dichlorobenzidine	252		13.396					
197 Benzo[a]anthracene	228	13.428	13.412	0.016	16	13799	2.88	
198 Bis(2-ethylhexyl) phthalate	149	13.444	13.428	0.016	37	3992	1.14	
199 Chrysene	228	13.460	13.444	0.016	62	15145	3.52	
201 Di-n-octyl phthalate	149		13.968					
203 Benzo[b]fluoranthene	252	14.320	14.315	0.005	87	21245	3.64	M
204 Benzo[k]fluoranthene	252	14.342	14.336	0.006	84	6408	1.04	M
206 Benzo[a]pyrene	252	14.587	14.587	0.0	81	13360	2.73	
208 Indeno[1,2,3-cd]pyrene	276	15.629	15.634	-0.005	47	7805	1.25	
209 Dibenz(a,h)anthracene	278		15.640					
210 Benzo[g,h,i]perylene	276		15.917					

QC Flag Legend

Review Flags
M - Manually Integrated

TestAmerica Laboratories
Tentatively Identified Quantitation Report

Data File:	\\Bufchrom\ChromData\HP5973X\20120406-10792.b\X4979.D		
Lims ID:	480-18068-A-5-B	Client ID:	RB-04 (6"-12"
Inject. Date:	07-Apr-2012 01:49:30	Dil. Factor:	1.0000
Sample Type:	Client		
Sample ID:	480-0010792-029		
Misc. Info.:			
Operator:	RMM	Instrument ID:	HP5973X
Vol. Injected:	1.0000	ALS Bottle#:	30
Lims Batch ID:	58507	Lims Sample ID:	29
Detector:	MS SCAN		
Method:	\\Bufchrom\ChromData\HP5973X\20120406-10792.b\X-8270.m		
Last Update:	07-Apr-2012 11:34:10	Calib Date:	03-Apr-2012 15:26:30
Tic RT Window:	1.500 -0.000	Response:	area
Quant By:	Nearest ISTD	Quant LOD:	10.00000
MS Library:	\\Bufchrom\ChromData\Database\NIST98.L		
Min. Match:	85		
Process Host:	CORP-CTX-16		
First Level Reviewer: mckernar		Date:	07-Apr-2012 11:34:10

Tentative Identified Compound Results

RT	Response	Amount ng/uL	Quant Cpnd	Qual	Lib Entry	Flags
		Unknown				
2.145	435919	38.0	1			
		Unknown				
14.758	657466	42.7	6			
		Unknown				
15.934	76407	4.96	6			
		Unknown				
16.072	81246	5.27	6			
		Unknown				
16.281	90461	5.87	6			
		Unknown				
16.548	157921	10.2	6			

Quantitation Compounds

Compound	RT	Response	Amount ng/uL
* 1 1,4-Dichlorobenzene-d4	5.826	458351	40.0
* 6 Perylene-d12	14.641	616386	40.0

QC Flag Legend

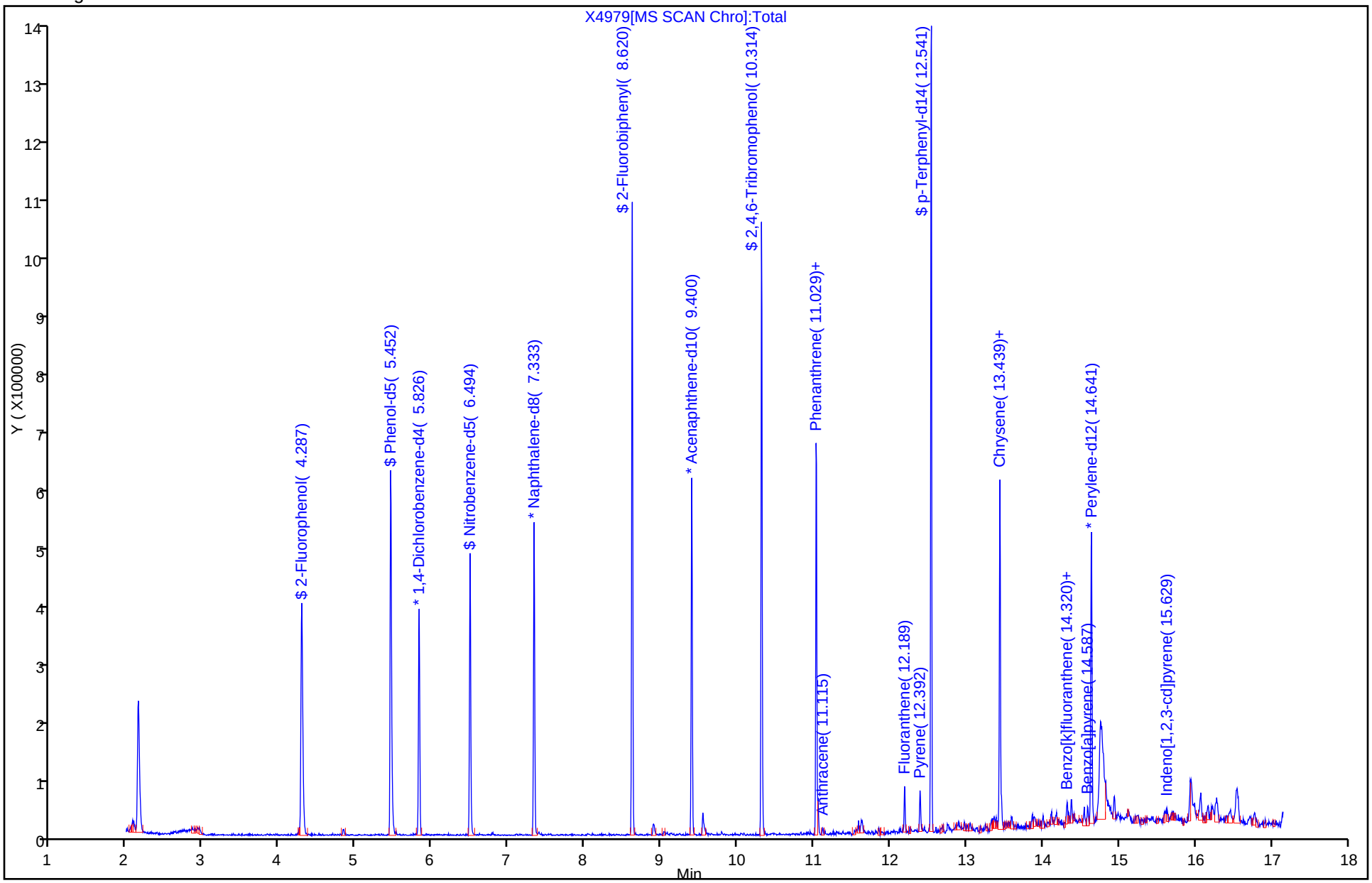
Processing Flags

Report Date: 07-Apr-2012 11:34:10 Chrom Revision: 2.0 20-Feb-2012 13:27:02

Data File: \\Bufchrom\ChromData\HP5973X\20120406-10792.b\X4979.D

Injection Date:	07-Apr-2012 01:49:30	Limit Group:	MB - 8270C ICAL
Client ID:	RB-04 (6"-12"	Instrument ID:	HP5973X
Lims Batch ID:	58507	Lims Sample ID:	29
Operator ID:	RMM	Injection Vol:	1.00 ul
Column Type:	RXI-5Sil MS	Column Dia:	0.25 mm

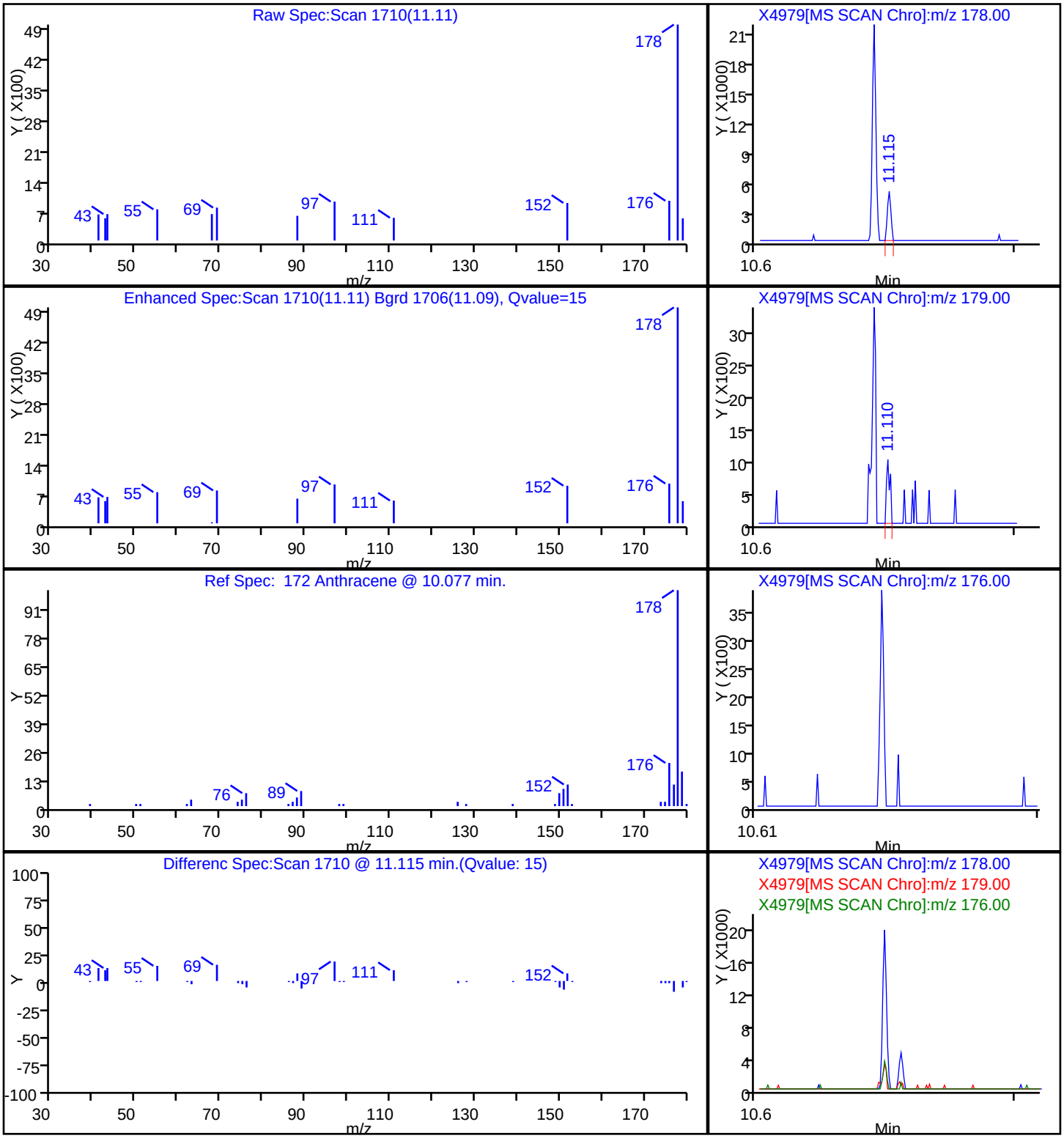
Y Scaling:



Report Date: 07-Apr-2012 11:34:10 Chrom Revision: 2.0 20-Feb-2012 13:27:02

Data File:	\\Bufchrom\ChromData\HP5973X\20120406-10792.b\X4979.D		
Injection Date:	07-Apr-2012 01:49:30	Limit Group:	MB - 8270C ICAL
Client ID:	RB-04 (6"-12"	Instrument ID:	HP5973X
Lims Batch ID:	58507	Lims Sample ID:	29
Operator ID:	RMM	Injection Vol:	1.00 ul
Column Type:	RXI-5Sil MS	Column Dia:	0.25 mm

172 Anthracene

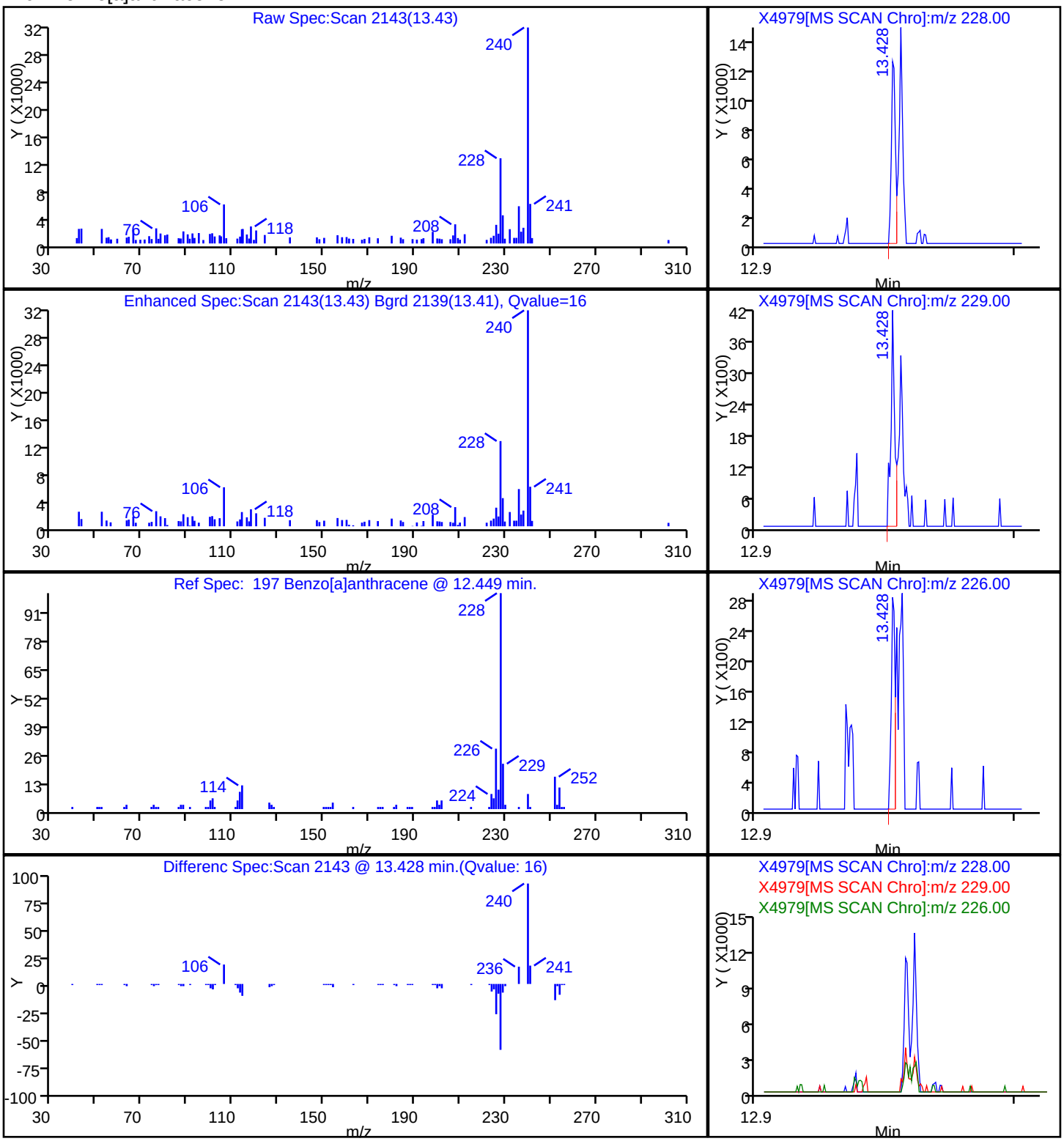


Report Date: 07-Apr-2012 11:34:10 Chrom Revision: 2.0 20-Feb-2012 13:27:02

Data File: \\Bufchrom\ChromData\HP5973X\20120406-10792.b\X4979.D

Injection Date:	07-Apr-2012 01:49:30	Limit Group:	MB - 8270C ICAL
Client ID:	RB-04 (6"-12"	Instrument ID:	HP5973X
Lims Batch ID:	58507	Lims Sample ID:	29
Operator ID:	RMM	Injection Vol:	1.00 ul
Column Type:	RXI-5Sil MS	Column Dia:	0.25 mm

197 Benzo[a]anthracene

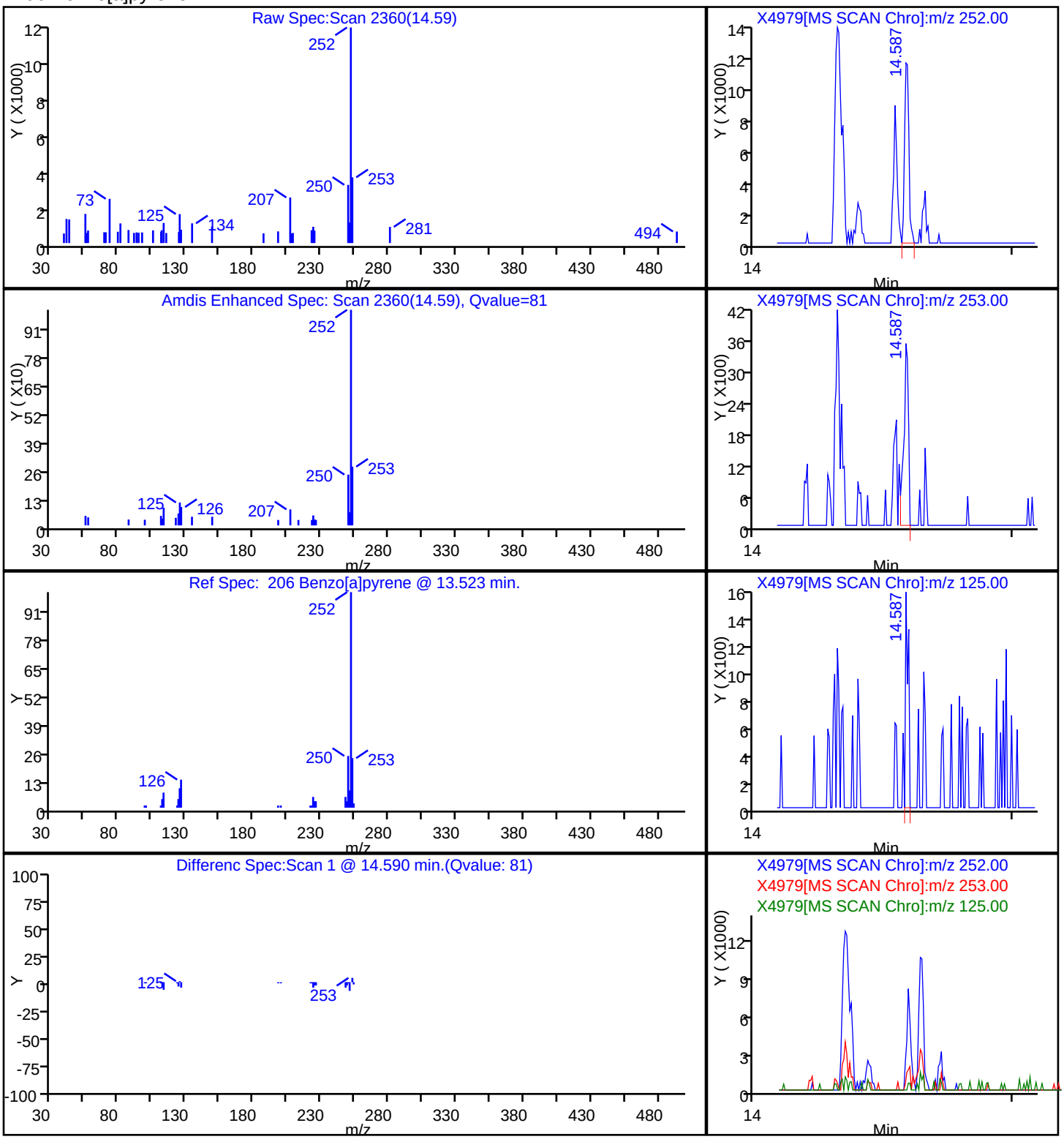


Report Date: 07-Apr-2012 11:34:10 Chrom Revision: 2.0 20-Feb-2012 13:27:02

Data File: \\Bufchrom\ChromData\HP5973X\20120406-10792.b\X4979.D

Injection Date:	07-Apr-2012 01:49:30	Limit Group:	MB - 8270C ICAL
Client ID:	RB-04 (6"-12"	Instrument ID:	HP5973X
Lims Batch ID:	58507	Lims Sample ID:	29
Operator ID:	RMM	Injection Vol:	1.00 ul
Column Type:	RXI-5Sil MS	Column Dia:	0.25 mm

206 Benzo[a]pyrene

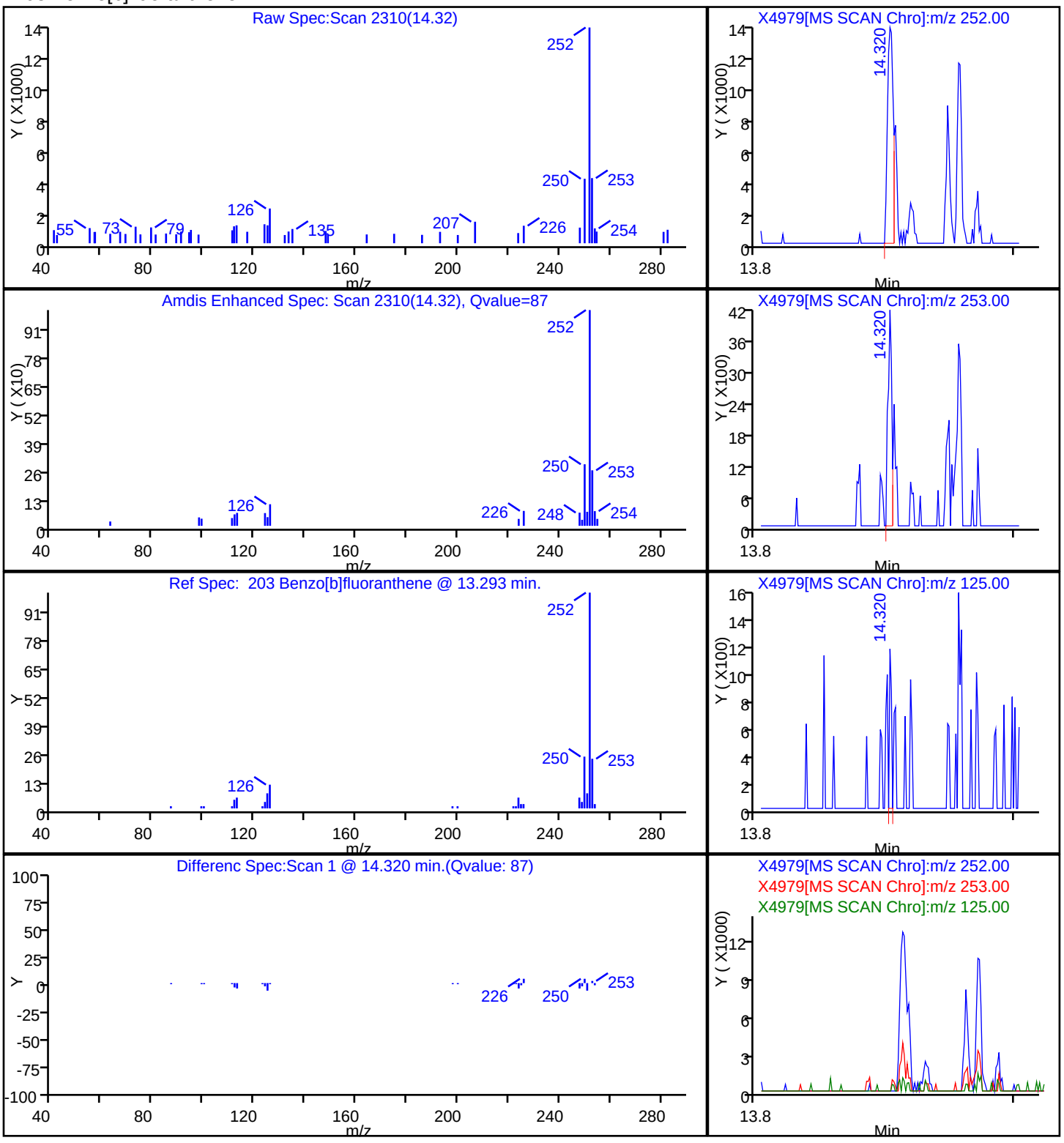


Report Date: 07-Apr-2012 11:34:10 Chrom Revision: 2.0 20-Feb-2012 13:27:02

Data File: \\Bufchrom\ChromData\HP5973X\20120406-10792.b\X4979.D

Injection Date:	07-Apr-2012 01:49:30	Limit Group:	MB - 8270C ICAL
Client ID:	RB-04 (6"-12"	Instrument ID:	HP5973X
Lims Batch ID:	58507	Lims Sample ID:	29
Operator ID:	RMM	Injection Vol:	1.00 ul
Column Type:	RXI-5Sil MS	Column Dia:	0.25 mm

203 Benzo[b]fluoranthene

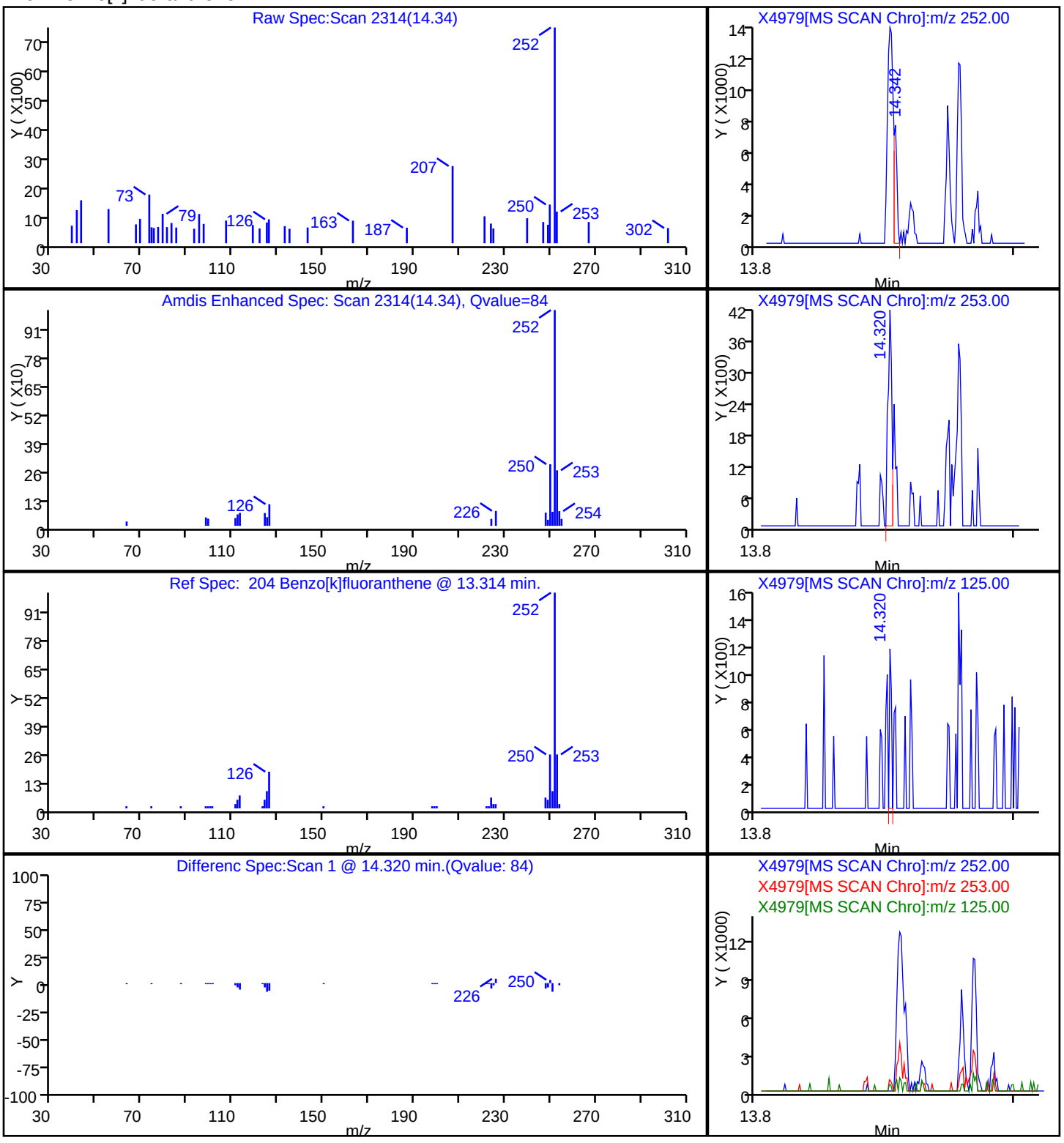


Report Date: 07-Apr-2012 11:34:10 Chrom Revision: 2.0 20-Feb-2012 13:27:02

Data File: \\Bufchrom\ChromData\HP5973X\20120406-10792.b\X4979.D

Injection Date:	07-Apr-2012 01:49:30	Limit Group:	MB - 8270C ICAL
Client ID:	RB-04 (6"-12"	Instrument ID:	HP5973X
Lims Batch ID:	58507	Lims Sample ID:	29
Operator ID:	RMM	Injection Vol:	1.00 ul
Column Type:	RXI-5Sil MS	Column Dia:	0.25 mm

204 Benzo[k]fluoranthene

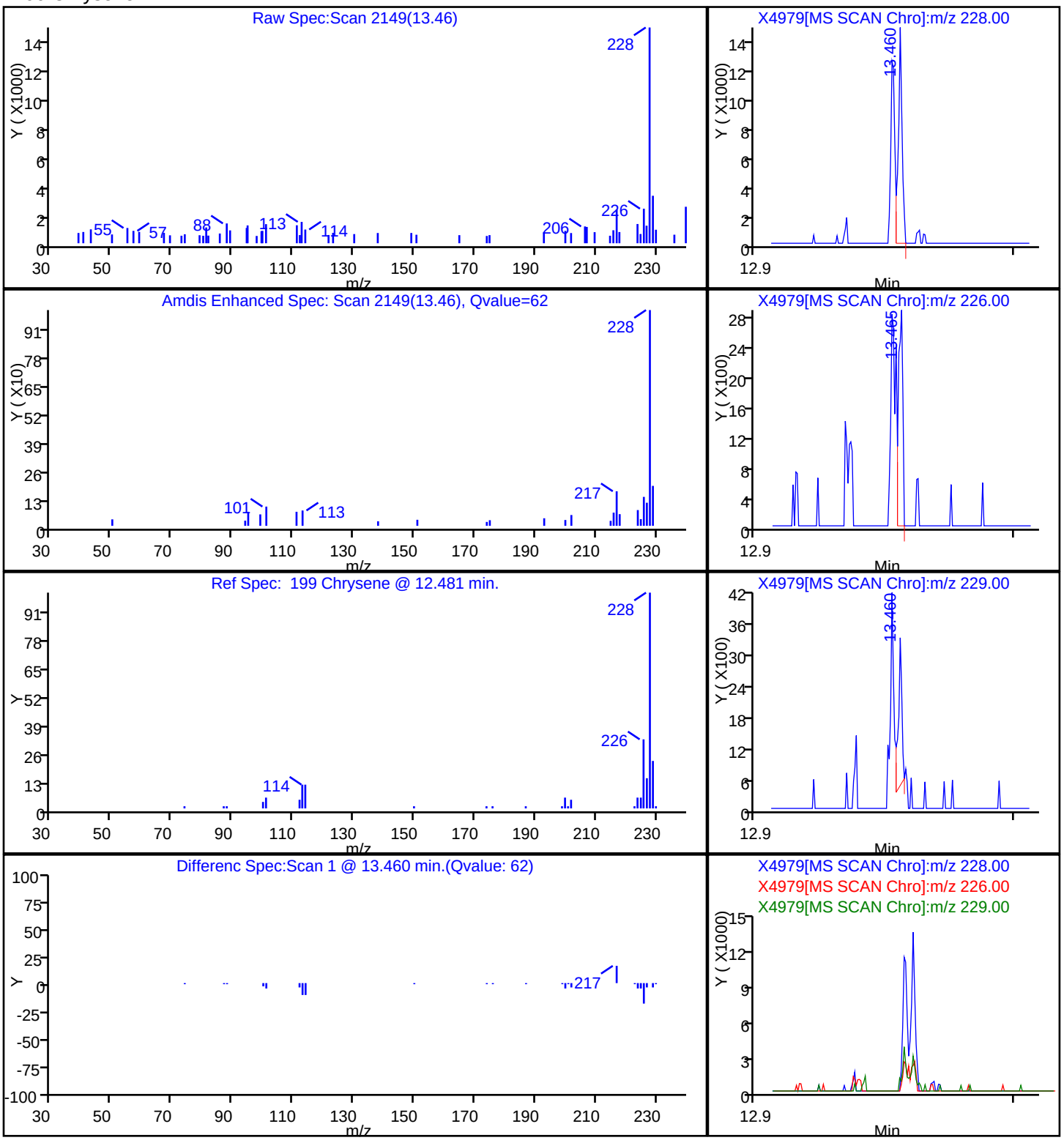


Report Date: 07-Apr-2012 11:34:10 Chrom Revision: 2.0 20-Feb-2012 13:27:02

Data File: \\Bufchrom\ChromData\HP5973X\20120406-10792.b\X4979.D

Injection Date:	07-Apr-2012 01:49:30	Limit Group:	MB - 8270C ICAL
Client ID:	RB-04 (6"-12"	Instrument ID:	HP5973X
Lims Batch ID:	58507	Lims Sample ID:	29
Operator ID:	RMM	Injection Vol:	1.00 ul
Column Type:	RXI-5Sil MS	Column Dia:	0.25 mm

199 Chrysene

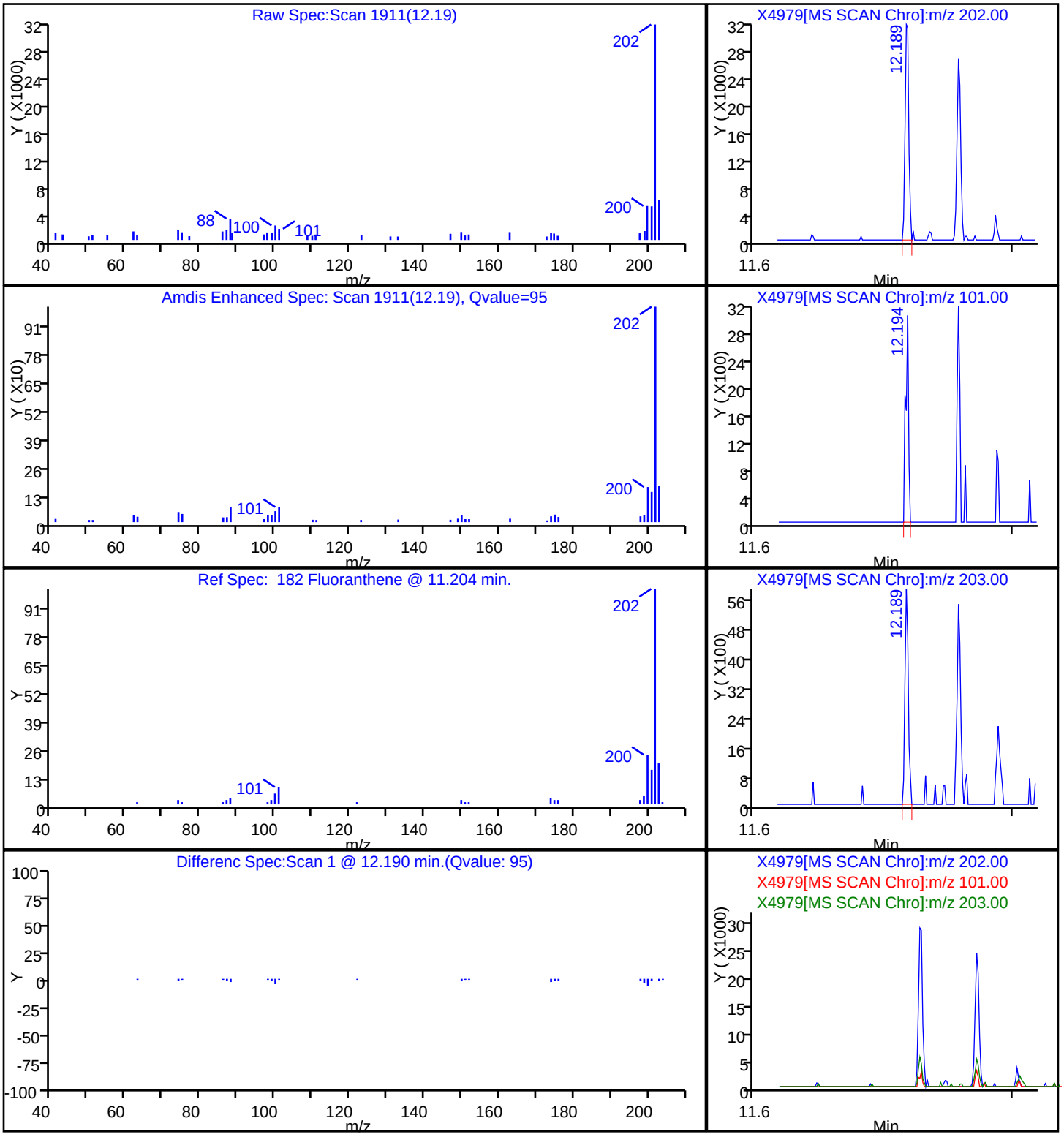


Report Date: 07-Apr-2012 11:34:10 Chrom Revision: 2.0 20-Feb-2012 13:27:02

Data File: \\Bufchrom\ChromData\HP5973X\20120406-10792.b\X4979.D

Injection Date:	07-Apr-2012 01:49:30	Limit Group:	MB - 8270C ICAL
Client ID:	RB-04 (6"-12"	Instrument ID:	HP5973X
Lims Batch ID:	58507	Lims Sample ID:	29
Operator ID:	RMM	Injection Vol:	1.00 ul
Column Type:	RXI-5Sil MS	Column Dia:	0.25 mm

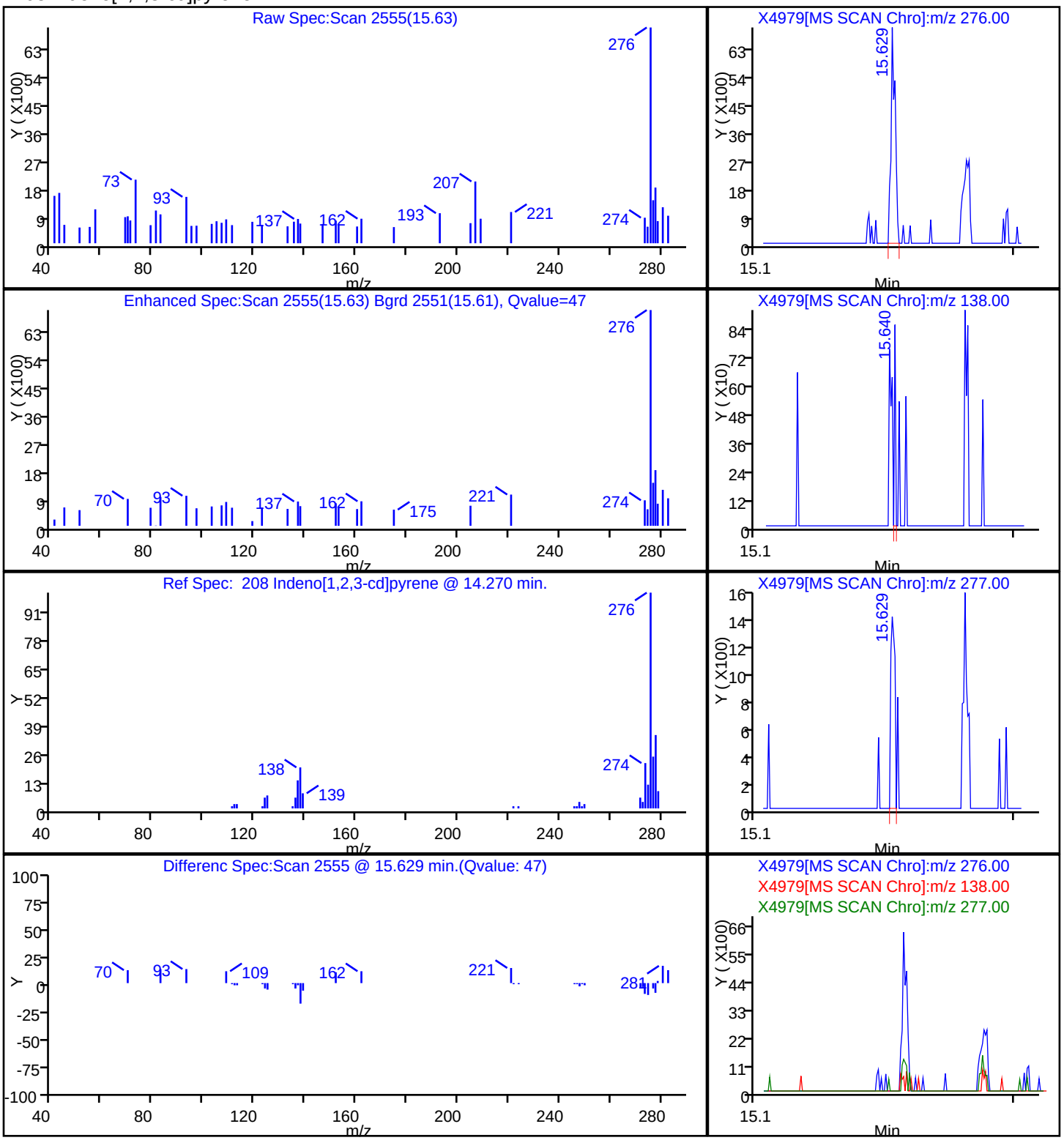
182 Fluoranthene



Report Date: 07-Apr-2012 11:34:10 Chrom Revision: 2.0 20-Feb-2012 13:27:02

Data File:	\\Bufchrom\ChromData\HP5973X\20120406-10792.b\X4979.D		
Injection Date:	07-Apr-2012 01:49:30	Limit Group:	MB - 8270C ICAL
Client ID:	RB-04 (6"-12"	Instrument ID:	HP5973X
Lims Batch ID:	58507	Lims Sample ID:	29
Operator ID:	RMM	Injection Vol:	1.00 ul
Column Type:	RXI-5Sil MS	Column Dia:	0.25 mm

208 Indeno[1,2,3-cd]pyrene

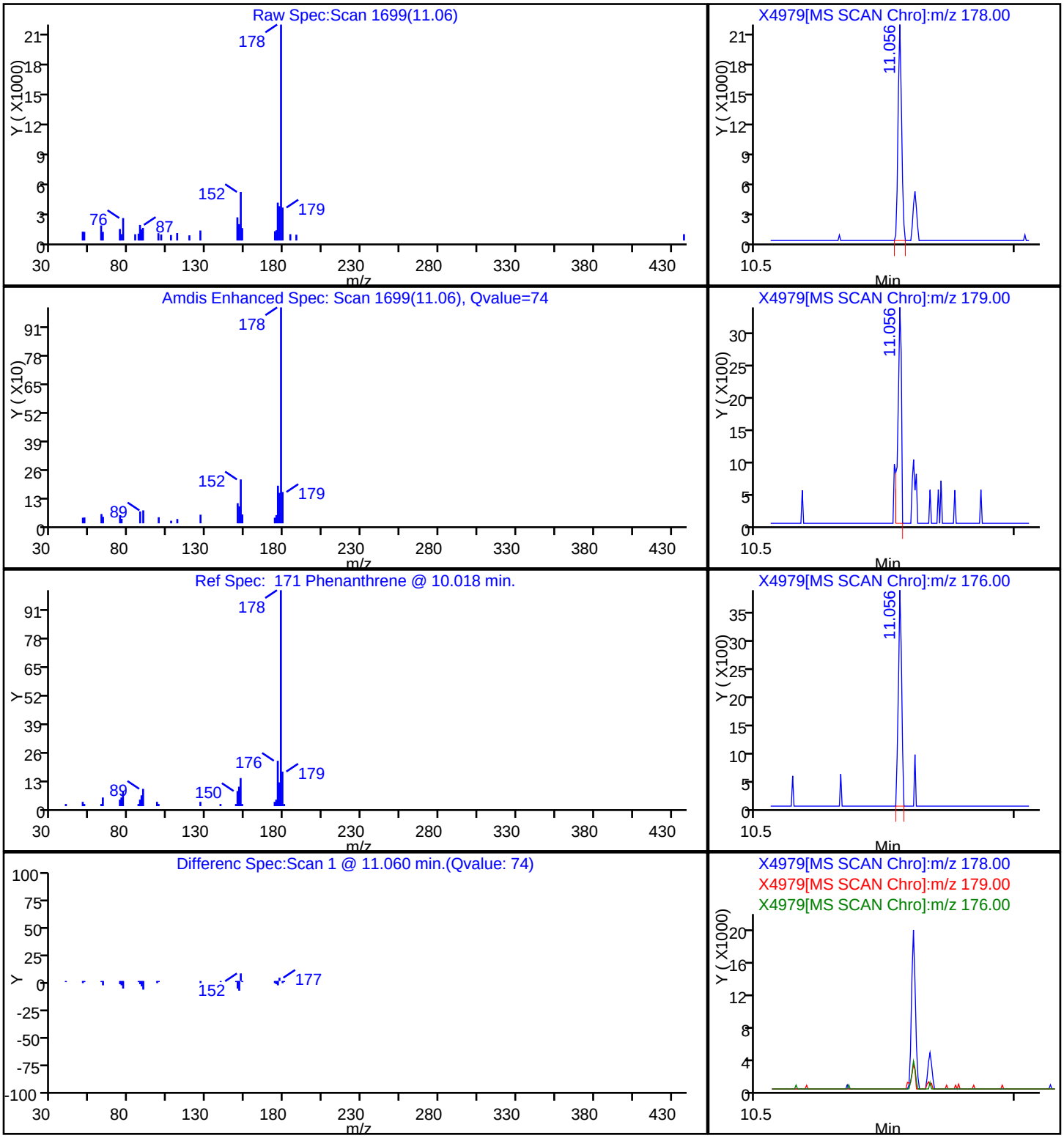


Report Date: 07-Apr-2012 11:34:10 Chrom Revision: 2.0 20-Feb-2012 13:27:02

Data File: \\Bufchrom\ChromData\HP5973X\20120406-10792.b\X4979.D

Injection Date:	07-Apr-2012 01:49:30	Limit Group:	MB - 8270C ICAL
Client ID:	RB-04 (6"-12"	Instrument ID:	HP5973X
Lims Batch ID:	58507	Lims Sample ID:	29
Operator ID:	RMM	Injection Vol:	1.00 ul
Column Type:	RXI-5Sil MS	Column Dia:	0.25 mm

171 Phenanthrene



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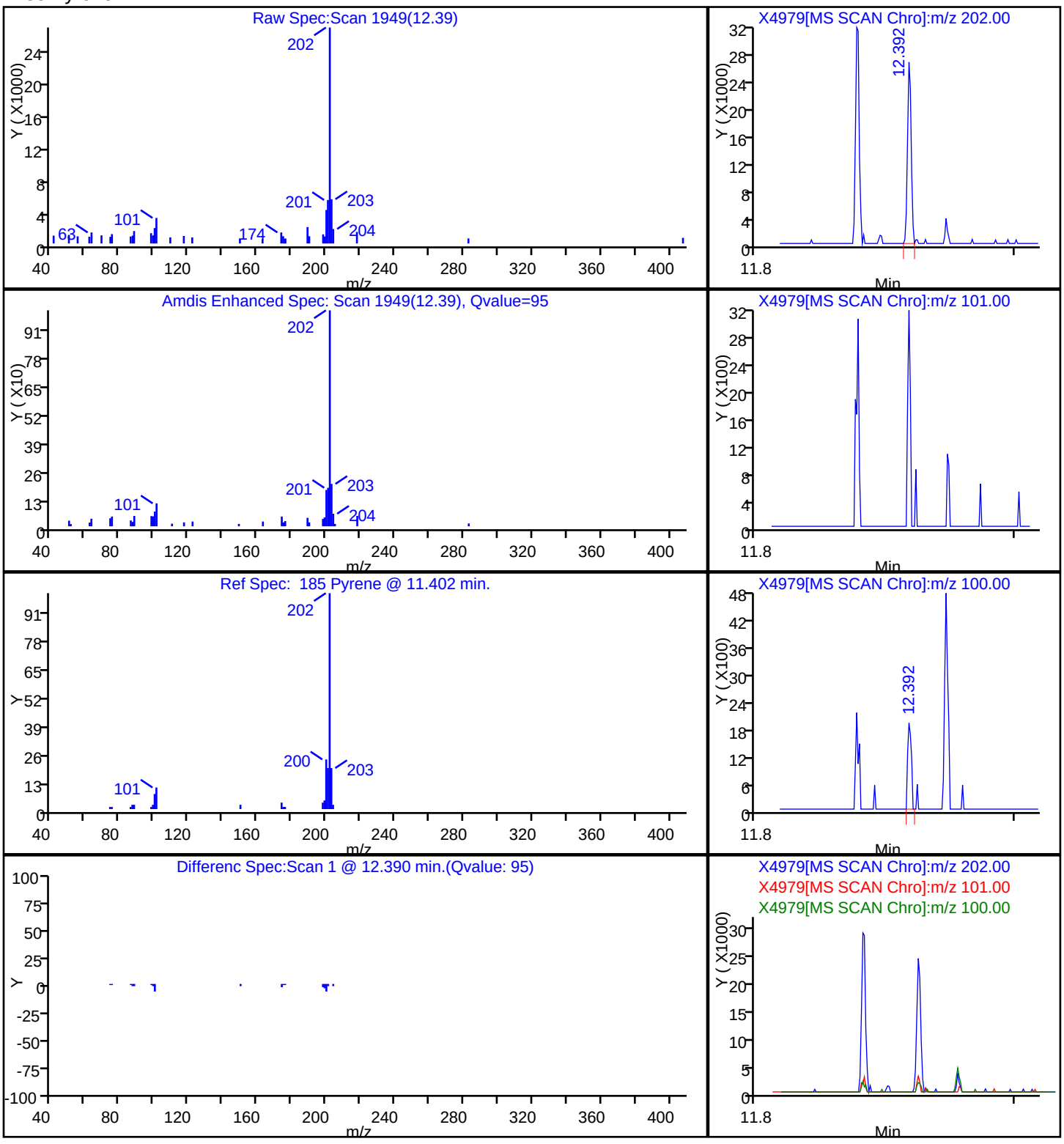
Data File: \\Bufchrom\ChromData\HP5973X\20120406-10792.b\X4979.D

Injection Date:	07-Apr-2012 01:49:30	Limit Group:	MB - 8270C ICAL
Client ID:	RB-04 (6"-12"	Instrument ID:	HP5973X
Lims Batch ID:	58507	Lims Sample ID:	29
Operator ID:	RMM	Injection Vol:	1.00 ul
Column Type:	RXI-5Sil MS	Column Dia:	0.25 mm

185 Pyrene



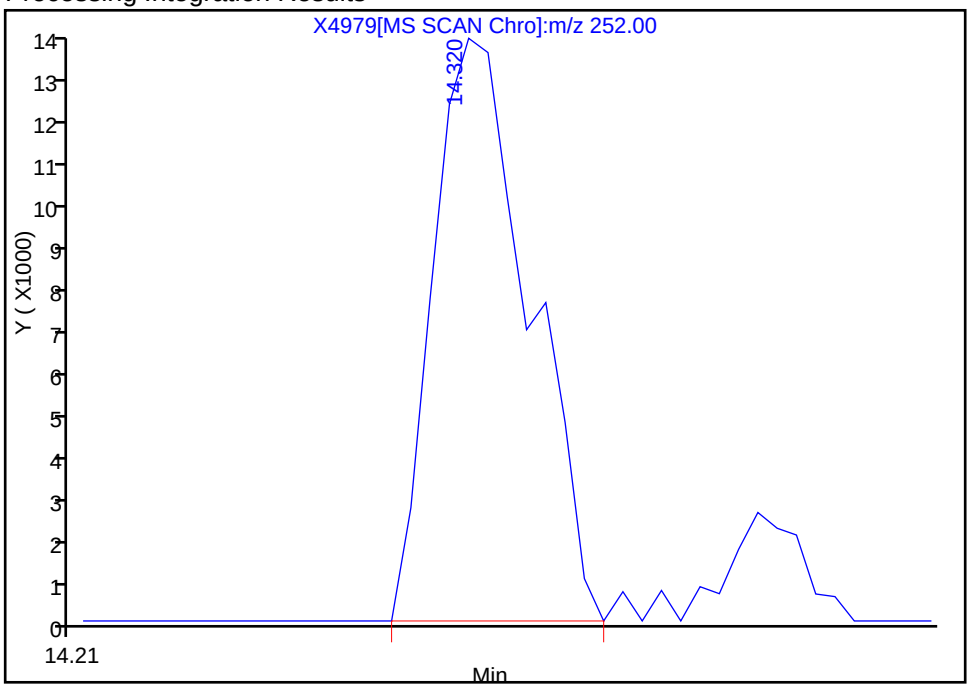
Manual Integration/User Assign Peak Report

Data File:	\\Bufchrom\ChromData\HP5973X\20120406-10792.b\X4979.D		
Injection Date:	07-Apr-2012 01:49:30	Limit Group:	MB - 8270C ICAL
Client ID:	RB-04 (6"-12"	Instrument ID:	HP5973X
Lims Batch ID:	58507	Lims Sample ID:	29
Operator ID:	RMM	Injection Vol:	1.00 ul
Column Type:	RXI-5Sil MS	Column Dia:	0.25 mm

203 Benzo[b]fluoranthene, Signal: 1, m/z: 252.0 Type: quant, RT: 14.31

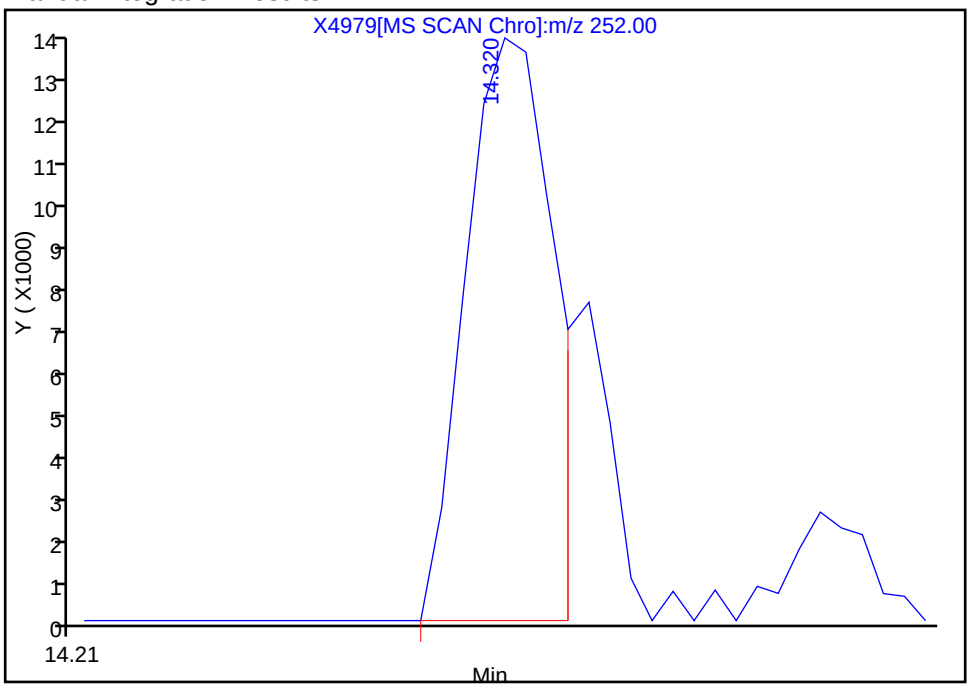
Processing Integration Results

RT: 14.32
Response: 25457
Amount: 4.365862



Manual Integration Results

RT: 14.32
Response: 21245
Amount: 3.643507



Reviewer: mckernar, 07-Apr-2012 11:34:10
Audit Action: Split an Integrated Peak
Audit Reason: Coelution

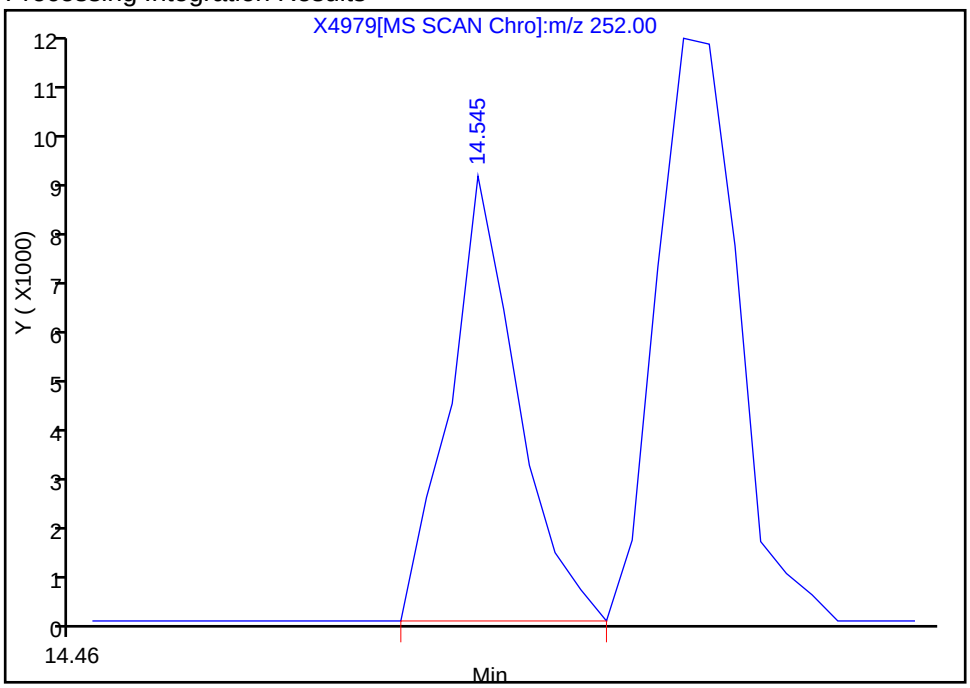
Manual Integration/User Assign Peak Report

Data File:	\\Bufchrom\ChromData\HP5973X\20120406-10792.b\X4979.D		
Injection Date:	07-Apr-2012 01:49:30	Limit Group:	MB - 8270C ICAL
Client ID:	RB-04 (6"-12"	Instrument ID:	HP5973X
Lims Batch ID:	58507	Lims Sample ID:	29
Operator ID:	RMM	Injection Vol:	1.00 ul
Column Type:	RXI-5Sil MS	Column Dia:	0.25 mm

204 Benzo[k]fluoranthene, Signal: 1, m/z: 252.0 Type: quant, RT: 14.34

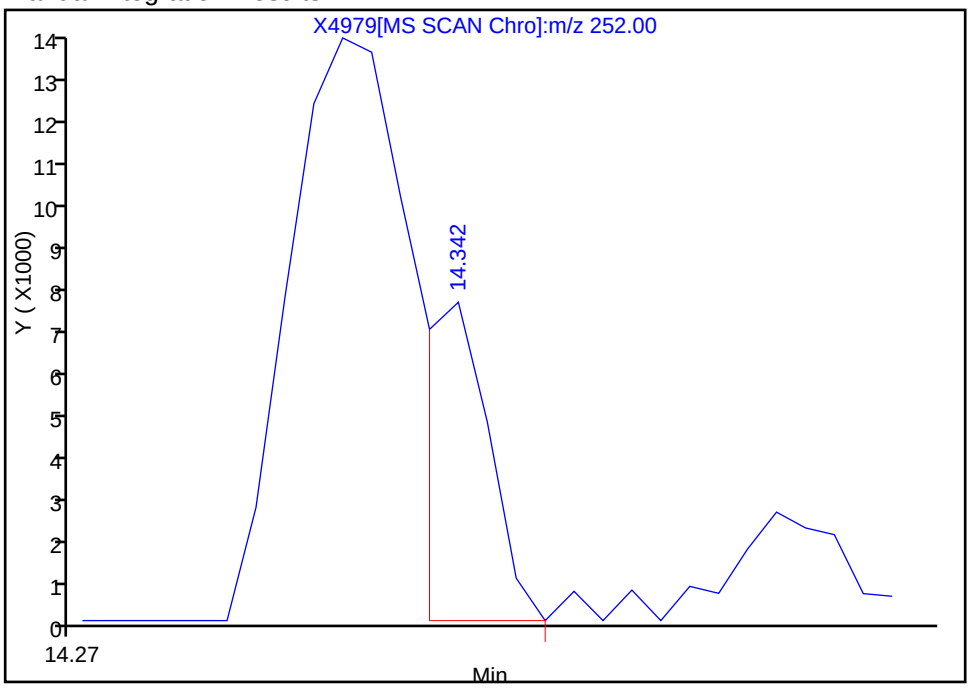
Processing Integration Results

RT: 14.54
Response: 8516
Amount: 1.375771



Manual Integration Results

RT: 14.34
Response: 6408
Amount: 1.035221

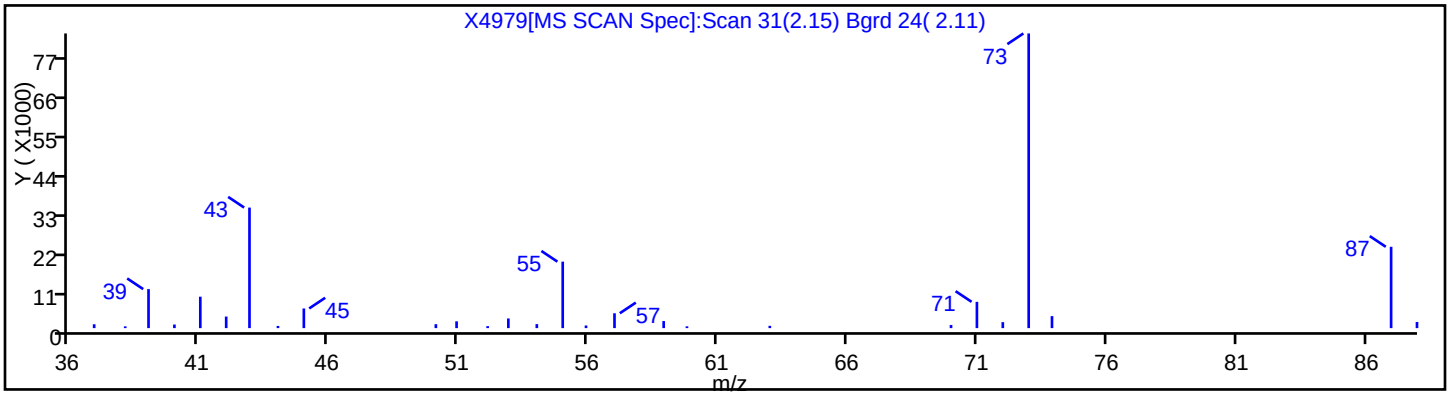


Reviewer: mckernar, 07-Apr-2012 11:34:10
Audit Action: Split an Integrated Peak
Audit Reason: Coelution

Report Date: 07-Apr-2012 11:34:10 Chrom Revision: 2.0 20-Feb-2012 13:27:02

Data File:	\\Bufchrom\ChromData\HP5973X\20120406-10792.b\X4979.D		
Injection Date:	07-Apr-2012 01:49:30	Limit Group:	MB - 8270C ICAL
Client ID:	RB-04 (6"-12"	Instrument ID:	HP5973X
Lims Batch ID:	58507	Lims Sample ID:	29
Operator ID:	RMM	Injection Vol:	1.00 ul
Column Type:	RXI-5Sil MS	Column Dia:	0.25 mm

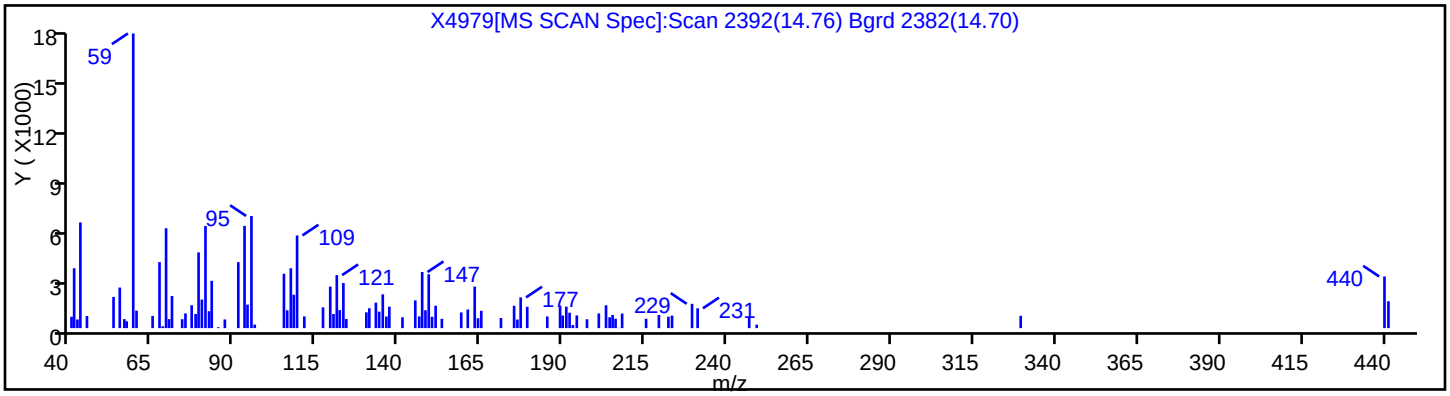
No Library Matches Found above the Threshold: 85



Report Date: 07-Apr-2012 11:34:10 Chrom Revision: 2.0 20-Feb-2012 13:27:02

Data File:	\\Bufchrom\ChromData\HP5973X\20120406-10792.b\X4979.D		
Injection Date:	07-Apr-2012 01:49:30	Limit Group:	MB - 8270C ICAL
Client ID:	RB-04 (6"-12"	Instrument ID:	HP5973X
Lims Batch ID:	58507	Lims Sample ID:	29
Operator ID:	RMM	Injection Vol:	1.00 ul
Column Type:	RXI-5Sil MS	Column Dia:	0.25 mm

No Library Matches Found above the Threshold: 85

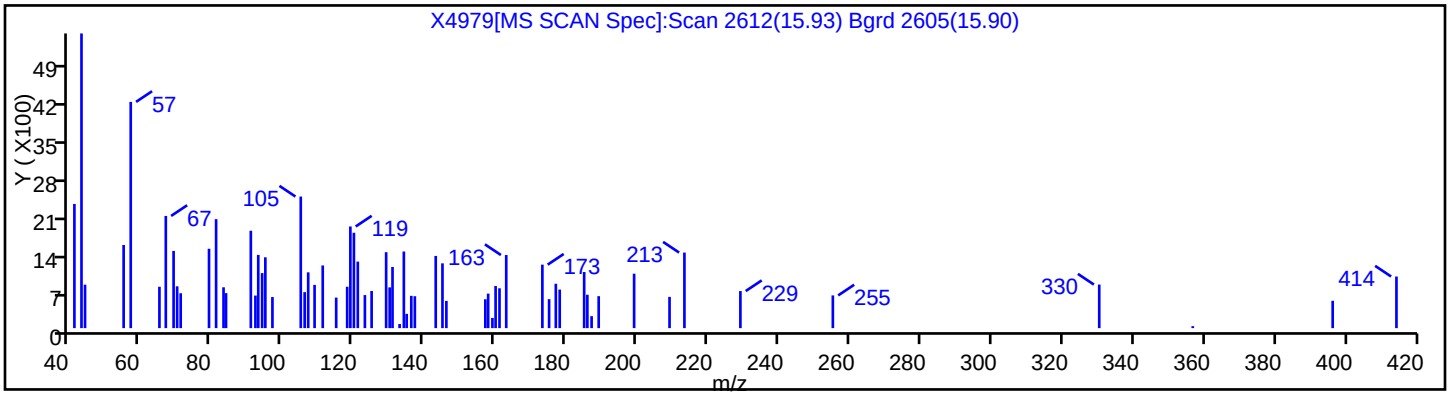


Report Date: 07-Apr-2012 11:34:10 Chrom Revision: 2.0 20-Feb-2012 13:27:02

Data File: \\Bufchrom\ChromData\HP5973X\20120406-10792.b\X4979.D

Injection Date:	07-Apr-2012 01:49:30	Limit Group:	MB - 8270C ICAL
Client ID:	RB-04 (6"-12"	Instrument ID:	HP5973X
Lims Batch ID:	58507	Lims Sample ID:	29
Operator ID:	RMM	Injection Vol:	1.00 ul
Column Type:	RXI-5Sil MS	Column Dia:	0.25 mm

No Library Matches Found above the Threshold: 85

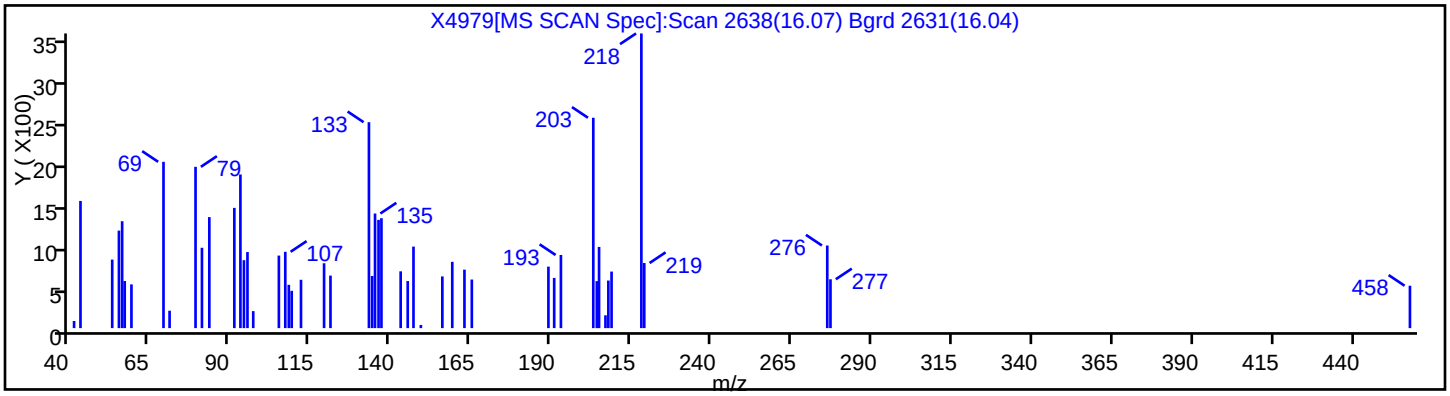


Report Date: 07-Apr-2012 11:34:10 Chrom Revision: 2.0 20-Feb-2012 13:27:02

Data File: \\Bufchrom\ChromData\HP5973X\20120406-10792.b\X4979.D

Injection Date:	07-Apr-2012 01:49:30	Limit Group:	MB - 8270C ICAL
Client ID:	RB-04 (6"-12"	Instrument ID:	HP5973X
Lims Batch ID:	58507	Lims Sample ID:	29
Operator ID:	RMM	Injection Vol:	1.00 ul
Column Type:	RXI-5Sil MS	Column Dia:	0.25 mm

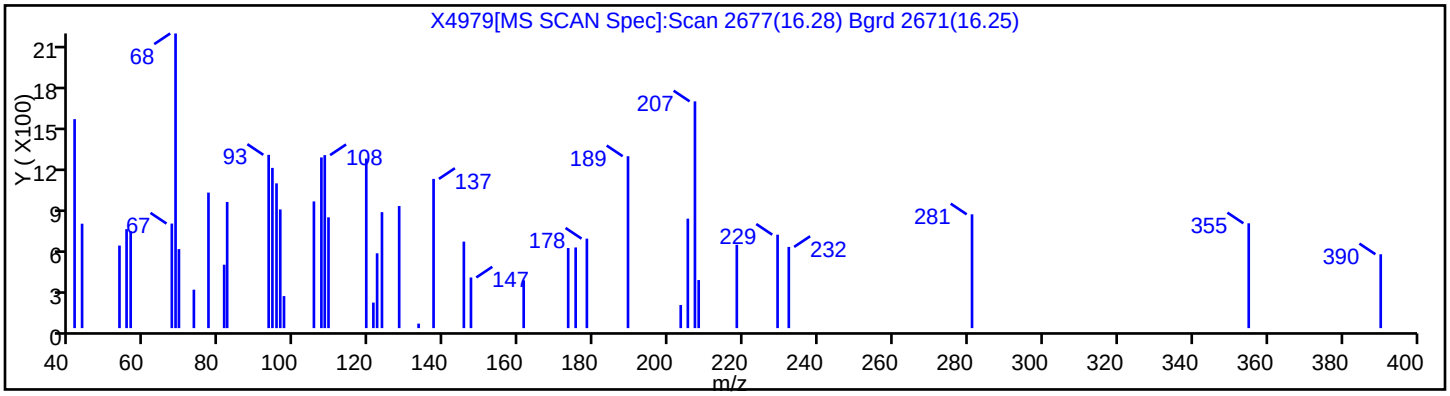
No Library Matches Found above the Threshold: 85



Report Date: 07-Apr-2012 11:34:10 Chrom Revision: 2.0 20-Feb-2012 13:27:02

Data File:	\\Bufchrom\ChromData\HP5973X\20120406-10792.b\X4979.D		
Injection Date:	07-Apr-2012 01:49:30	Limit Group:	MB - 8270C ICAL
Client ID:	RB-04 (6"-12"	Instrument ID:	HP5973X
Lims Batch ID:	58507	Lims Sample ID:	29
Operator ID:	RMM	Injection Vol:	1.00 ul
Column Type:	RXI-5Sil MS	Column Dia:	0.25 mm

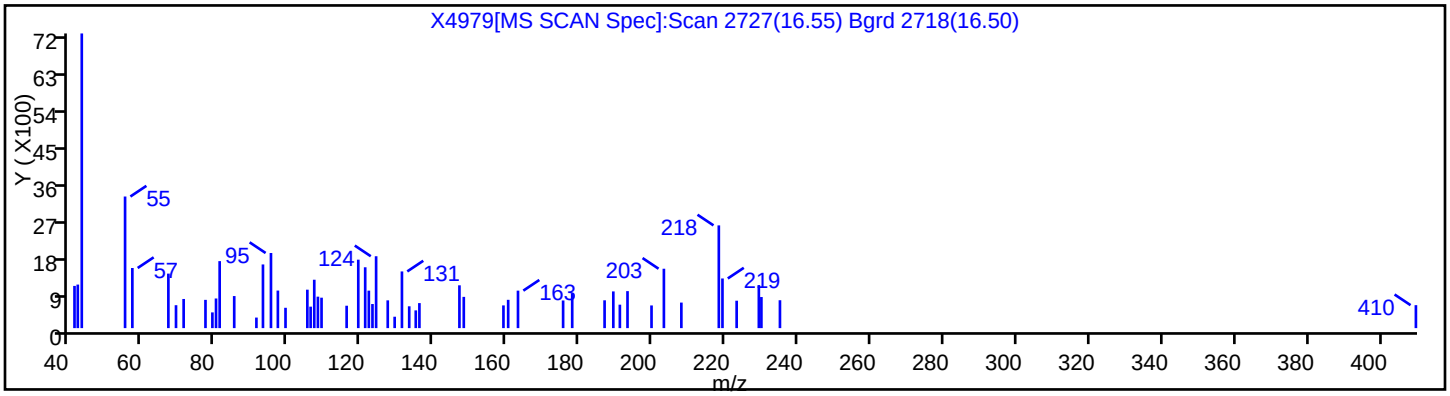
No Library Matches Found above the Threshold: 85



Report Date: 07-Apr-2012 11:34:10 Chrom Revision: 2.0 20-Feb-2012 13:27:02

Data File:	\\Bufchrom\ChromData\HP5973X\20120406-10792.b\X4979.D		
Injection Date:	07-Apr-2012 01:49:30	Limit Group:	MB - 8270C ICAL
Client ID:	RB-04 (6"-12"	Instrument ID:	HP5973X
Lims Batch ID:	58507	Lims Sample ID:	29
Operator ID:	RMM	Injection Vol:	1.00 ul
Column Type:	RXI-5Sil MS	Column Dia:	0.25 mm

No Library Matches Found above the Threshold: 85



FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Buffalo | Job No.: 480-18068-1

SDG No.:

Client Sample ID: RB-04 (12"-24") | Lab Sample ID: 480-18068-6

Matrix: Solid | Lab File ID: X4980.D

Analysis Method: 8270C | Date Collected: 04/02/2012 14:35

Extract. Method: 3550B | Date Extracted: 04/05/2012 10:44

Sample wt/vol: +30.32(g) | Date Analyzed: 04/07/2012 02:12

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

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

% Moisture: 26.2 | GPC Cleanup:(Y/N) N

Analysis Batch No.: 58507 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
95-95-4	2,4,5-Trichlorophenol	ND		230	49
88-06-2	2,4,6-Trichlorophenol	ND		230	15
120-83-2	2,4-Dichlorophenol	ND		230	12
105-67-9	2,4-Dimethylphenol	ND		230	61
51-28-5	2,4-Dinitrophenol	ND		440	79
121-14-2	2,4-Dinitrotoluene	ND		230	35
606-20-2	2,6-Dinitrotoluene	ND		230	55
91-58-7	2-Chloronaphthalene	ND		230	15
95-57-8	2-Chlorophenol	ND		230	12
91-57-6	2-Methylnaphthalene	ND		230	2.7
95-48-7	2-Methylphenol	ND		230	7.0
88-74-4	2-Nitroaniline	ND		440	73
88-75-5	2-Nitrophenol	ND		230	10
91-94-1	3,3'-Dichlorobenzidine	ND		230	200
99-09-2	3-Nitroaniline	ND		440	52
534-52-1	4,6-Dinitro-2-methylphenol	ND		440	78
101-55-3	4-Bromophenyl phenyl ether	ND		230	72
59-50-7	4-Chloro-3-methylphenol	ND		230	9.3
106-47-8	4-Chloroaniline	ND		230	66
7005-72-3	4-Chlorophenyl phenyl ether	ND		230	4.8
106-44-5	4-Methylphenol	ND		440	13
100-01-6	4-Nitroaniline	ND		440	25
100-02-7	4-Nitrophenol	ND	*	440	55
83-32-9	Acenaphthene	80	J	230	2.7
208-96-8	Acenaphthylene	17	J	230	1.9
98-86-2	Acetophenone	ND		230	12
120-12-7	Anthracene	160	J	230	5.8
1912-24-9	Atrazine	ND	*	230	10
100-52-7	Benzaldehyde	ND		230	25
56-55-3	Benzo(a)anthracene	490		230	3.9
50-32-8	Benzo(a)pyrene	450		230	5.5
205-99-2	Benzo(b)fluoranthene	470		230	4.4
191-24-2	Benzo(g,h,i)perylene	140	J	230	2.7
207-08-9	Benzo(k)fluoranthene	230		230	2.5

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Buffalo | Job No.: 480-18068-1

SDG No.:

Client Sample ID: RB-04 (12"-24") | Lab Sample ID: 480-18068-6

Matrix: Solid | Lab File ID: X4980.D

Analysis Method: 8270C | Date Collected: 04/02/2012 14:35

Extract. Method: 3550B | Date Extracted: 04/05/2012 10:44

Sample wt/vol: +30.32(g) | Date Analyzed: 04/07/2012 02:12

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

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

% Moisture: 26.2 | GPC Cleanup:(Y/N) N

Analysis Batch No.: 58507 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
92-52-4	Biphenyl	ND		230	14
108-60-1	bis (2-chloroisopropyl) ether	ND		230	24
111-91-1	Bis(2-chloroethoxy)methane	ND		230	12
111-44-4	Bis(2-chloroethyl)ether	ND		230	20
117-81-7	Bis(2-ethylhexyl) phthalate	ND		230	73
85-68-7	Butyl benzyl phthalate	ND		230	61
105-60-2	Caprolactam	ND		230	98
86-74-8	Carbazole	67	J	230	2.6
218-01-9	Chrysene	450		230	2.3
53-70-3	Dibenz(a,h)anthracene	ND		230	2.7
132-64-9	Dibenzofuran	49	J	230	2.4
84-66-2	Diethyl phthalate	ND		230	6.8
131-11-3	Dimethyl phthalate	ND		230	5.9
84-74-2	Di-n-butyl phthalate	ND		230	78
117-84-0	Di-n-octyl phthalate	ND		230	5.3
206-44-0	Fluoranthene	880		230	3.3
86-73-7	Fluorene	84	J	230	5.2
118-74-1	Hexachlorobenzene	ND		230	11
87-68-3	Hexachlorobutadiene	ND		230	12
77-47-4	Hexachlorocyclopentadiene	ND		230	68
67-72-1	Hexachloroethane	ND		230	18
193-39-5	Indeno(1,2,3-cd)pyrene	160	J	230	6.3
78-59-1	Isophorone	ND		230	11
91-20-3	Naphthalene	45	J	230	3.8
98-95-3	Nitrobenzene	ND		230	10
621-64-7	N-Nitrosodi-n-propylamine	ND		230	18
86-30-6	N-Nitrosodiphenylamine	ND		230	12
87-86-5	Pentachlorophenol	ND		440	78
85-01-8	Phenanthrene	700		230	4.7
108-95-2	Phenol	ND		230	24
129-00-0	Pyrene	880		230	1.5

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Buffalo | Job No.: 480-18068-1

SDG No.:

Client Sample ID: RB-04 (12"-24") | Lab Sample ID: 480-18068-6

Matrix: Solid | Lab File ID: X4980.D

Analysis Method: 8270C | Date Collected: 04/02/2012 14:35

Extract. Method: 3550B | Date Extracted: 04/05/2012 10:44

Sample wt/vol: +30.32(g) | Date Analyzed: 04/07/2012 02:12

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

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

% Moisture: 26.2 | GPC Cleanup:(Y/N) N

Analysis Batch No.: 58507 | Units: ug/Kg

CAS NO.	SURROGATE	%REC	Q	LIMITS
118-79-6	2,4,6-Tribromophenol	100		39-146
321-60-8	2-Fluorobiphenyl	70		37-120
367-12-4	2-Fluorophenol	55		18-120
4165-60-0	Nitrobenzene-d5	74		34-132
4165-62-2	Phenol-d5	66		11-120
1718-51-0	p-Terphenyl-d14	111		65-153

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

Lab Name: TestAmerica Buffalo | Job No.: 480-18068-1

SDG No.:

Client Sample ID: RB-04 (12"-24") | Lab Sample ID: 480-18068-6

Matrix: Solid | Lab File ID: X4980.D

Analysis Method: 8270C | Date Collected: 04/02/2012 14:35

Extract. Method: 3550B | Date Extracted: 04/05/2012 10:44

Sample wt/vol: +30.32(g) | Date Analyzed: 04/07/2012 02:12

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

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

% Moisture: 26.2 | GPC Cleanup:(Y/N) N

Analysis Batch No.: 58507 | Units: ug/Kg

Number TICs Found: 6 | TIC Result Total: 3640

CAS NO.	COMPOUND NAME	RT	RESULT	Q
	Unknown	2.12	1800	T J
	Unknown	4.83	380	T J
	Unknown	9.54	400	T J
	Unknown	14.55	280	T J
	Unknown	16.07	310	T J
	Unknown	16.56	470	T J

TestAmerica Laboratories
Target Compound Quantitation Report

Data File: \\Bufchrom\ChromData\HP5973X\20120406-10792.b\X4980.D
Lims ID: 480-18068-B-6-B
Client ID: RB-04 (12"-24")
Inject. Date: 07-Apr-2012 02:12:30
Dil. Factor: 1.0000
Sample Type: Client
Sample ID: 480-0010792-030
Misc. Info.:
Operator: RMM
Instrument ID: HP5973X
Vol. Injected: 1.0000
ALS Bottle#: 31
Lims Batch ID: 58507
Lims Sample ID: 30
Detector: MS SCAN

Method: \\Bufchrom\ChromData\HP5973X\20120406-10792.b\X-8270.m
Last Update: 07-Apr-2012 11:35:27
Calib Date: 03-Apr-2012 15:26:30
Quant Method: Internal Standard
Quant By: Initial Calibration
Last ICal File: \\Bufchrom\ChromData\HP5973X\20120403-10684.b\X4785.D
Limit Group: MB - 8270C ICAL
Integrator: RTE
ID Type: Deconvolution ID
Process Host: CORP-CTX-16

First Level Reviewer: mckernar
Date: 07-Apr-2012 11:35:27

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ng/uL	Flags
* 1 1,4-Dichlorobenzene-d4	152	5.826	5.810	0.016	92	53538	40.0	
* 2 Naphthalene-d8	136	7.338	7.322	0.016	91	209284	40.0	
* 3 Acenaphthene-d10	164	9.400	9.400	0.0	60	149879	40.0	
* 4 Phenanthrene-d10	188	11.040	11.024	0.016	98	219731	40.0	
* 5 Chrysene-d12	240	13.439	13.417	0.022	99	170214	40.0	
* 6 Perylene-d12	264	14.641	14.614	0.027	98	200992	40.0	
$ 7 2-Fluorophenol	112	4.277	4.239	0.038	91	139906	83.1	
$ 8 Phenol-d5	99	5.452	5.431	0.021	81	230350	98.9	
$ 9 Nitrobenzene-d5	82	6.499	6.478	0.021	93	188889	73.9	
$ 10 2-Fluorobiphenyl	172	8.631	8.615	0.016	99	319061	69.5	
$ 11 2,4,6-Tribromophenol	330	10.319	10.308	0.011	74	101751	150.0	
$ 12 p-Terphenyl-d14	244	12.536	12.509	0.027	96	387688	111.2	
62 Benzaldehyde	77		5.286					
63 Phenol	94		5.447					
66 Bis(2-chloroethyl)ether	93		5.505					
67 2-Chlorophenol	128		5.564					
74 2,2'-oxybis[1-chloropropane]	45		6.157					
73 2-Methylphenol	108		6.163					
76 Acetophenone	105		6.307					
78 N-Nitrosodi-n-propylamine	70		6.312					
79 4-Methylphenol	108		6.355					
81 Hexachloroethane	117		6.398					
83 Nitrobenzene	77		6.499					
86 Isophorone	82		6.793					
87 2-Nitrophenol	139		6.878					
89 2,4-Dimethylphenol	107		6.980					
94 Bis(2-chloroethoxy)methane	93		7.065					
97 2,4-Dichlorophenol	162		7.194					
99 Naphthalene	128	7.359	7.343	0.016	1	5060	1.00	
101 4-Chloroaniline	127		7.445					
104 Hexachlorobutadiene	225		7.498					

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ng/uL	Flags
105 Caprolactam	113		7.872					
110 4-Chloro-3-methylphenol	107		8.059					
113 2-Methylnaphthalene	142		8.171					
116 Hexachlorocyclopentadiene	237		8.353					
118 2,4,6-Trichlorophenol	196		8.529					
119 2,4,5-Trichlorophenol	196		8.599					
123 1,1'-Biphenyl	154		8.732					
124 2-Chloronaphthalene	162		8.743					
125 2-Nitroaniline	65		8.903					
128 Dimethyl phthalate	163		9.122					
130 2,6-Dinitrotoluene	165		9.197					
131 Acenaphthylene	152	9.251	9.229	0.022	1	2339	0.3861	
132 3-Nitroaniline	138		9.400					
133 Acenaphthene	153	9.443	9.432	0.011	70	6567	1.79	
134 2,4-Dinitrophenol	184		9.528					
138 Dibenzofuran	168	9.657	9.640	0.017	20	6009	1.09	
137 2,4-Dinitrotoluene	165		9.672					
135 4-Nitrophenol	109		9.683					
142 Diethyl phthalate	149		9.950					
144 Fluorene	166	10.047	10.036	0.011	71	8869	1.89	
145 4-Chlorophenyl phenyl ether	204		10.046					
147 4-Nitroaniline	138		10.110					
148 4,6-Dinitro-2-methylphenol	198		10.132					
149 N-Nitrosodiphenylamine	169		10.185					
159 4-Bromophenyl phenyl ether	248		10.565					
160 Hexachlorobenzene	284		10.618					
163 Atrazine	200		10.784					
165 Pentachlorophenol	266		10.848					
171 Phenanthrene	178	11.062	11.035	0.027	97	91679	15.7	
172 Anthracene	178	11.115	11.088	0.027	90	20273	3.50	
173 Carbazole	167	11.302	11.270	0.032	65	7696	1.50	
176 Di-n-butyl phthalate	149	11.633	11.612	0.021	75	9603	1.44	
182 Fluoranthene	202	12.189	12.162	0.027	99	119579	19.7	
185 Pyrene	202	12.386	12.360	0.026	98	98113	19.8	
192 Butyl benzyl phthalate	149		12.937					
196 3,3'-Dichlorobenzidine	252		13.396					
197 Benzo[a]anthracene	228	13.428	13.412	0.016	52	52003	11.0	
198 Bis(2-ethylhexyl) phthalate	149	13.439	13.428	0.011	11	3584	1.04	
199 Chrysene	228	13.460	13.444	0.016	95	42648	10.1	
201 Di-n-octyl phthalate	149		13.968					
203 Benzo[b]fluoranthene	252	14.320	14.315	0.005	98	59463	10.5	M
204 Benzo[k]fluoranthene	252	14.331	14.336	-0.005	96	31085	5.17	M
206 Benzo[a]pyrene	252	14.593	14.587	0.006	94	47754	10.1	
208 Indeno[1,2,3-cd]pyrene	276	15.635	15.634	0.001	84	21581	3.56	
209 Dibenz(a,h)anthracene	278		15.640					
210 Benzo[g,h,i]perylene	276	15.912	15.917	-0.005	72	15388	3.09	

QC Flag Legend

Review Flags
M - Manually Integrated

TestAmerica Laboratories
Tentatively Identified Quantitation Report

Data File:	\\Bufchrom\ChromData\HP5973X\20120406-10792.b\X4980.D		
Lims ID:	480-18068-B-6-B	Client ID:	RB-04 (12"-24")
Inject. Date:	07-Apr-2012 02:12:30	Dil. Factor:	1.0000
Sample Type:	Client		
Sample ID:	480-0010792-030		
Misc. Info.:			
Operator:	RMM	Instrument ID:	HP5973X
Vol. Injected:	1.0000	ALS Bottle#:	31
Lims Batch ID:	58507	Lims Sample ID:	30
Detector:	MS SCAN		
Method:	\\Bufchrom\ChromData\HP5973X\20120406-10792.b\X-8270.m		
Last Update:	07-Apr-2012 11:35:27	Calib Date:	03-Apr-2012 15:26:30
Tic RT Window:	1.500 -0.000	Response:	area
Quant By:	Nearest ISTD	Quant LOD:	10.00000
MS Library:	\\Bufchrom\ChromData\Database\NIST98.L		
Min. Match:	85		
Process Host:	CORP-CTX-16		
First Level Reviewer: mckernar		Date:	07-Apr-2012 11:35:27

Calibrated Tentative Identified Compound Results

Compound	RT	Response	Amount ng/uL	Flags
Anthraquinone	11.847	2759	1.62	

Tentative Identified Compound Results

RT	Response	Amount ng/uL	Quant Cpnd	Qual	Lib Entry	Flags
	Unknown					
2.119	468207	40.4	1			
	Unknown					
4.827	97389	8.41	1			
	Unknown					
9.544	146425	8.98	3			
	Unknown					
14.545	97635	6.21	6			
	Unknown					
16.073	108718	6.92	6			
	Unknown					
16.559	166708	10.6	6			

Quantitation Compounds

Compound	RT	Response	Amount ng/uL
* 1 1,4-Dichlorobenzene-d4	5.826	463311	40.0
* 3 Acenaphthene-d10	9.400	652029	40.0
* 6 Perylene-d12	14.641	628704	40.0

QC Flag Legend

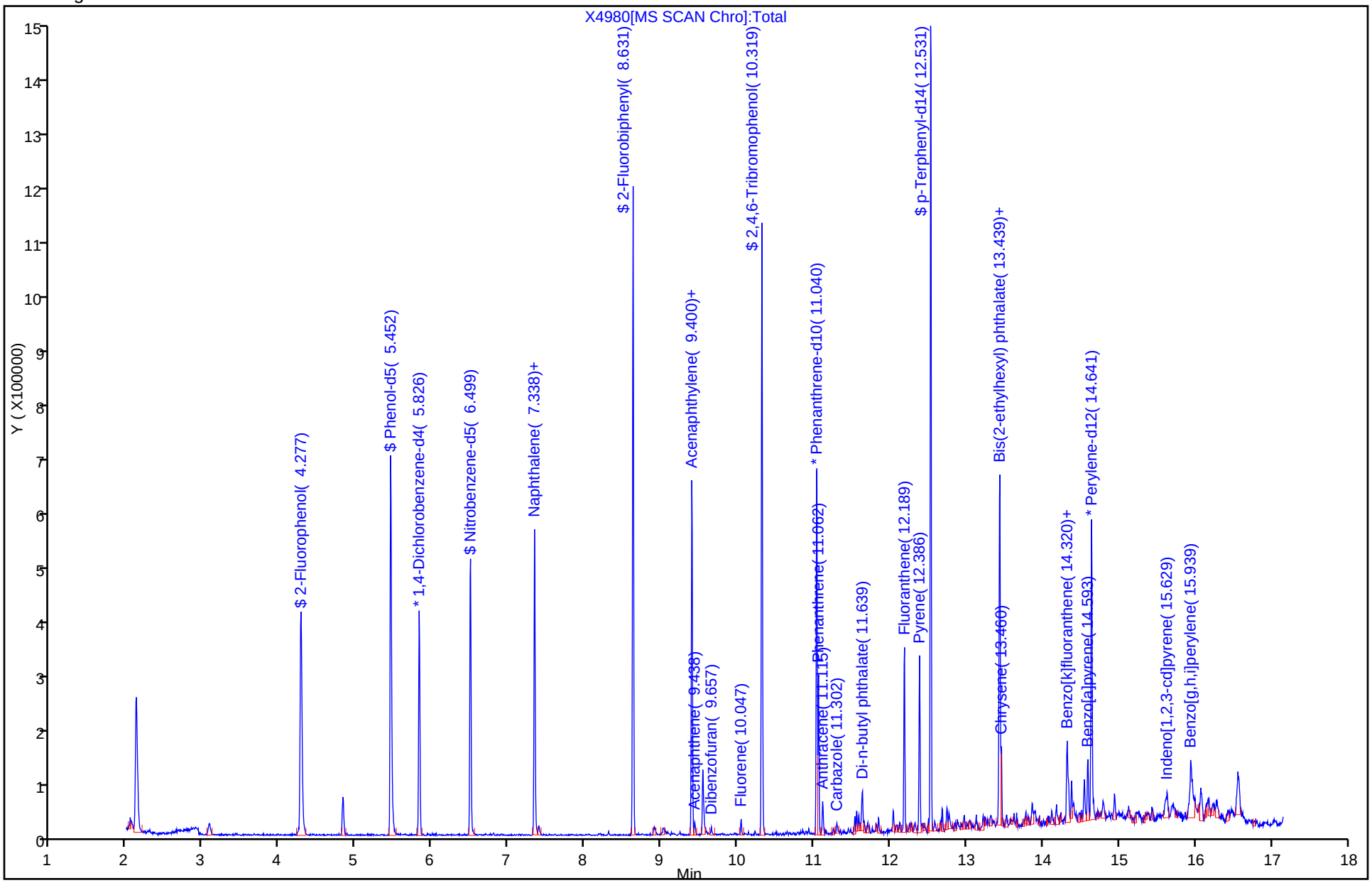
Processing Flags

Report Date: 07-Apr-2012 11:35:28 Chrom Revision: 2.0 20-Feb-2012 13:27:02

Data File: \\Bufchrom\ChromData\HP5973X\20120406-10792.b\X4980.D

Injection Date:	07-Apr-2012 02:12:30	Limit Group:	MB - 8270C ICAL
Client ID:	RB-04 (12"-24")	Instrument ID:	HP5973X
Lims Batch ID:	58507	Lims Sample ID:	30
Operator ID:	RMM	Injection Vol:	1.00 ul
Column Type:	RXI-5Sil MS	Column Dia:	0.25 mm

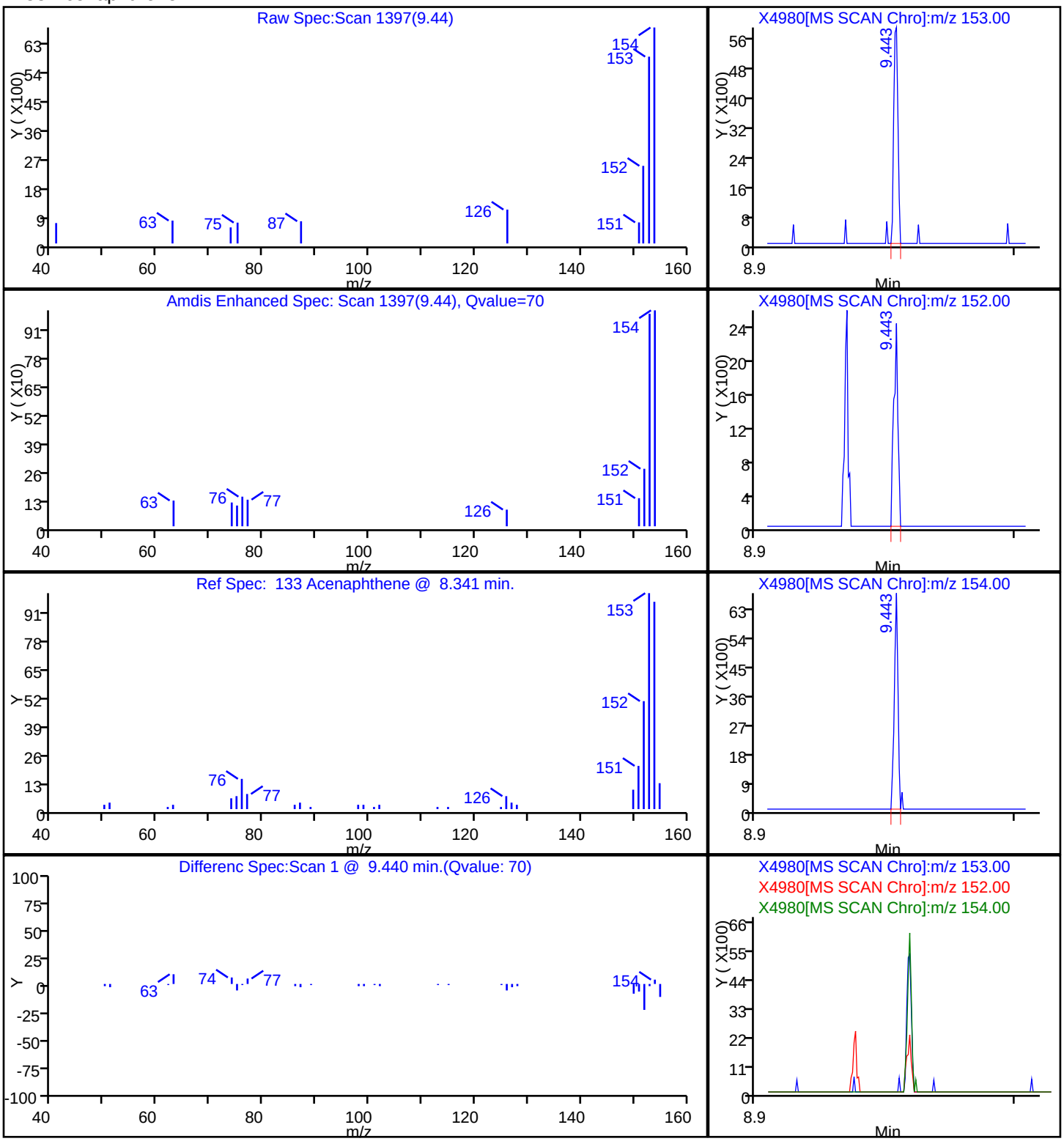
Y Scaling:



Report Date: 07-Apr-2012 11:35:28 Chrom Revision: 2.0 20-Feb-2012 13:27:02

Data File:	\\Bufchrom\ChromData\HP5973X\20120406-10792.b\X4980.D		
Injection Date:	07-Apr-2012 02:12:30	Limit Group:	MB - 8270C ICAL
Client ID:	RB-04 (12"-24")	Instrument ID:	HP5973X
Lims Batch ID:	58507	Lims Sample ID:	30
Operator ID:	RMM	Injection Vol:	1.00 ul
Column Type:	RXI-5Sil MS	Column Dia:	0.25 mm

133 Acenaphthene

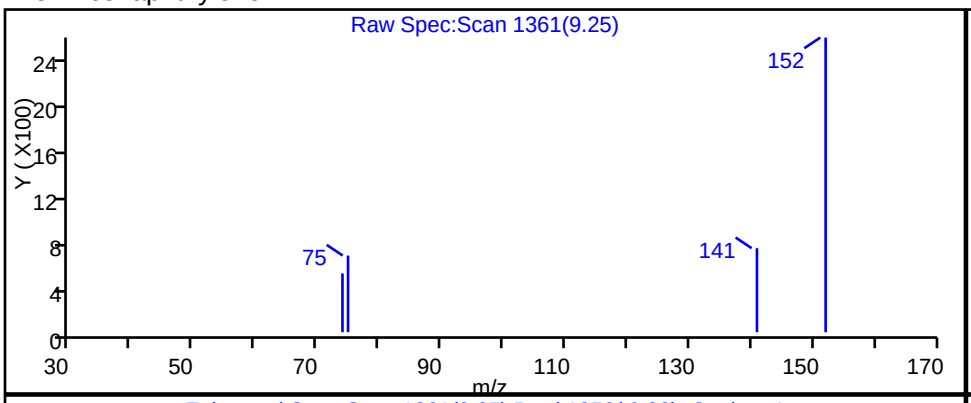


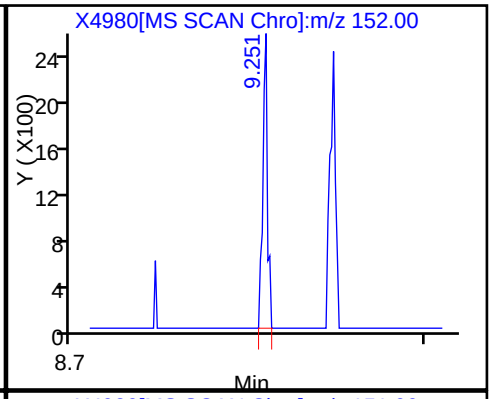
Report Date: 07-Apr-2012 11:35:28 Chrom Revision: 2.0 20-Feb-2012 13:27:02

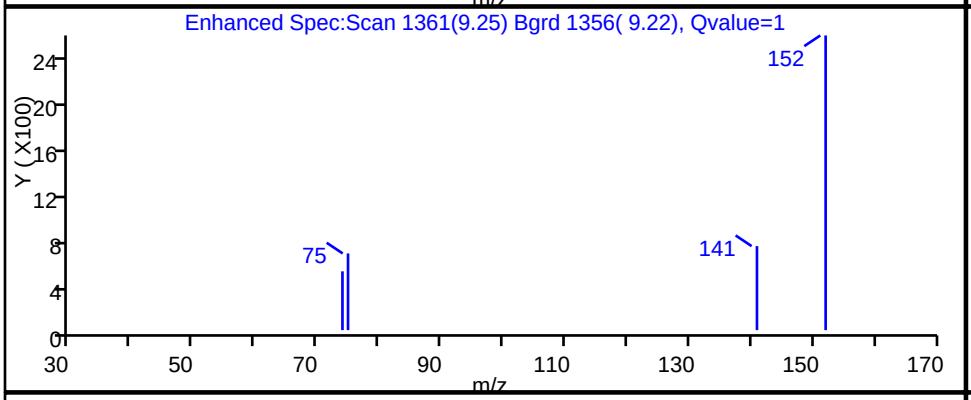
Data File: \\Bufchrom\ChromData\HP5973X\20120406-10792.b\X4980.D

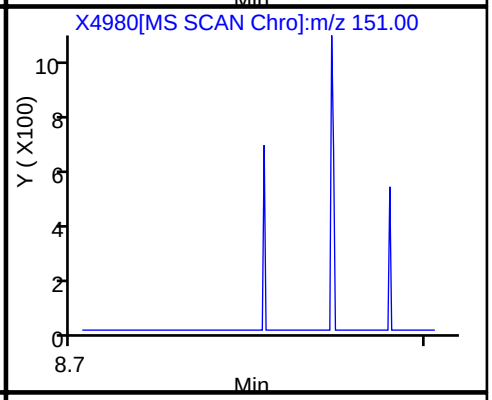
Injection Date:	07-Apr-2012 02:12:30	Limit Group:	MB - 8270C ICAL
Client ID:	RB-04 (12"-24")	Instrument ID:	HP5973X
Lims Batch ID:	58507	Lims Sample ID:	30
Operator ID:	RMM	Injection Vol:	1.00 ul
Column Type:	RXI-5Sil MS	Column Dia:	0.25 mm

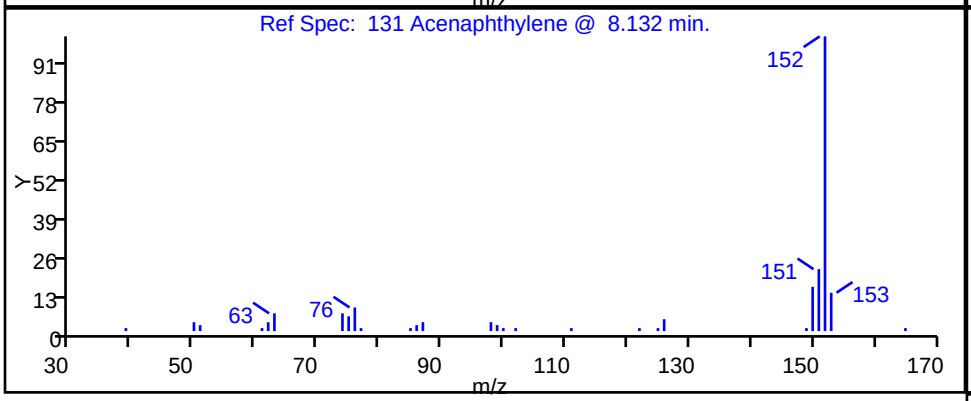
131 Acenaphthylene

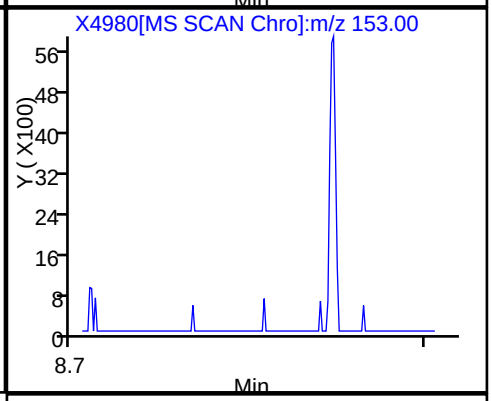


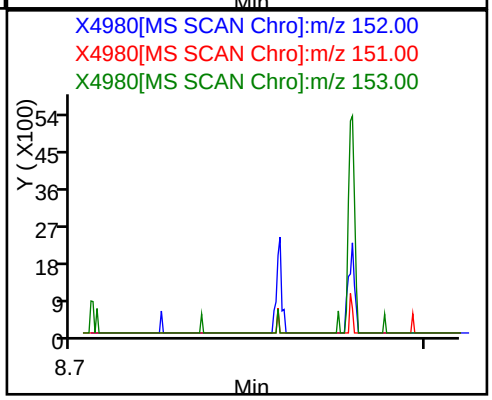










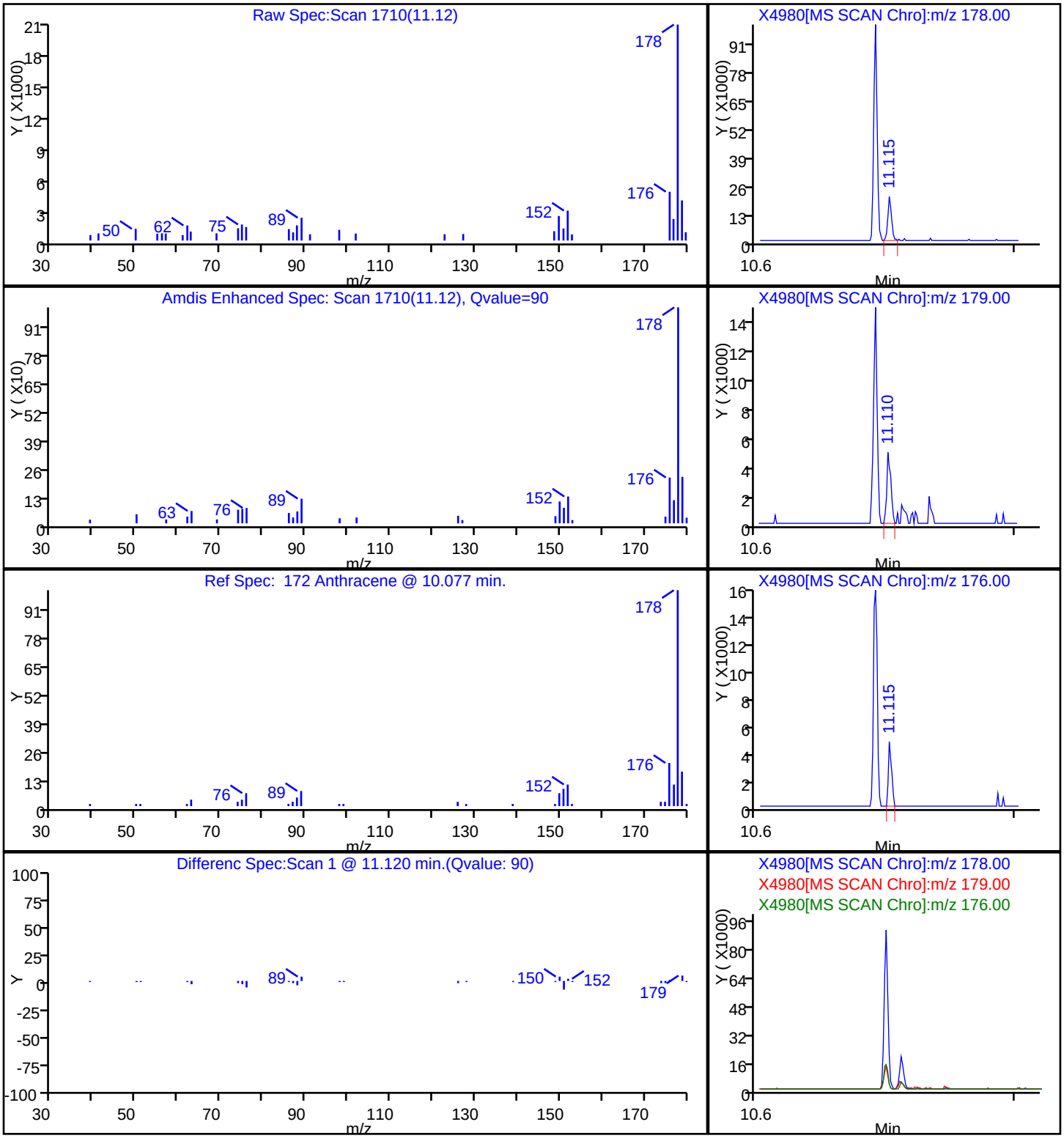


Report Date: 07-Apr-2012 11:35:28 Chrom Revision: 2.0 20-Feb-2012 13:27:02

Data File: \\Bufchrom\ChromData\HP5973X\20120406-10792.b\X4980.D

Injection Date:	07-Apr-2012 02:12:30	Limit Group:	MB - 8270C ICAL
Client ID:	RB-04 (12"-24")	Instrument ID:	HP5973X
Lims Batch ID:	58507	Lims Sample ID:	30
Operator ID:	RMM	Injection Vol:	1.00 ul
Column Type:	RXI-5Sil MS	Column Dia:	0.25 mm

172 Anthracene

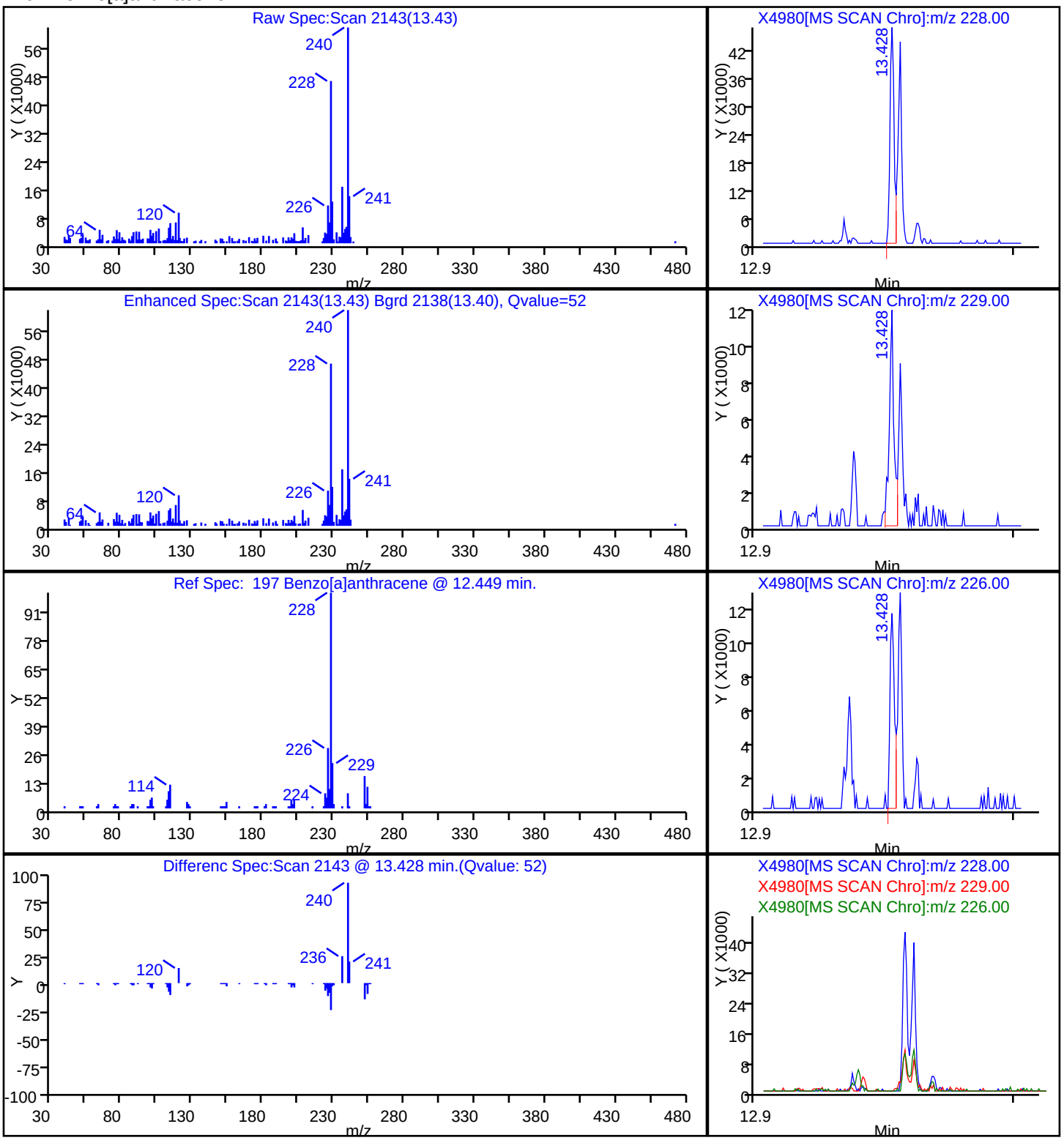


Report Date: 07-Apr-2012 11:35:28 Chrom Revision: 2.0 20-Feb-2012 13:27:02

Data File: \\Bufchrom\ChromData\HP5973X\20120406-10792.b\X4980.D

Injection Date:	07-Apr-2012 02:12:30	Limit Group:	MB - 8270C ICAL
Client ID:	RB-04 (12"-24")	Instrument ID:	HP5973X
Lims Batch ID:	58507	Lims Sample ID:	30
Operator ID:	RMM	Injection Vol:	1.00 ul
Column Type:	RXI-5Sil MS	Column Dia:	0.25 mm

197 Benzo[a]anthracene

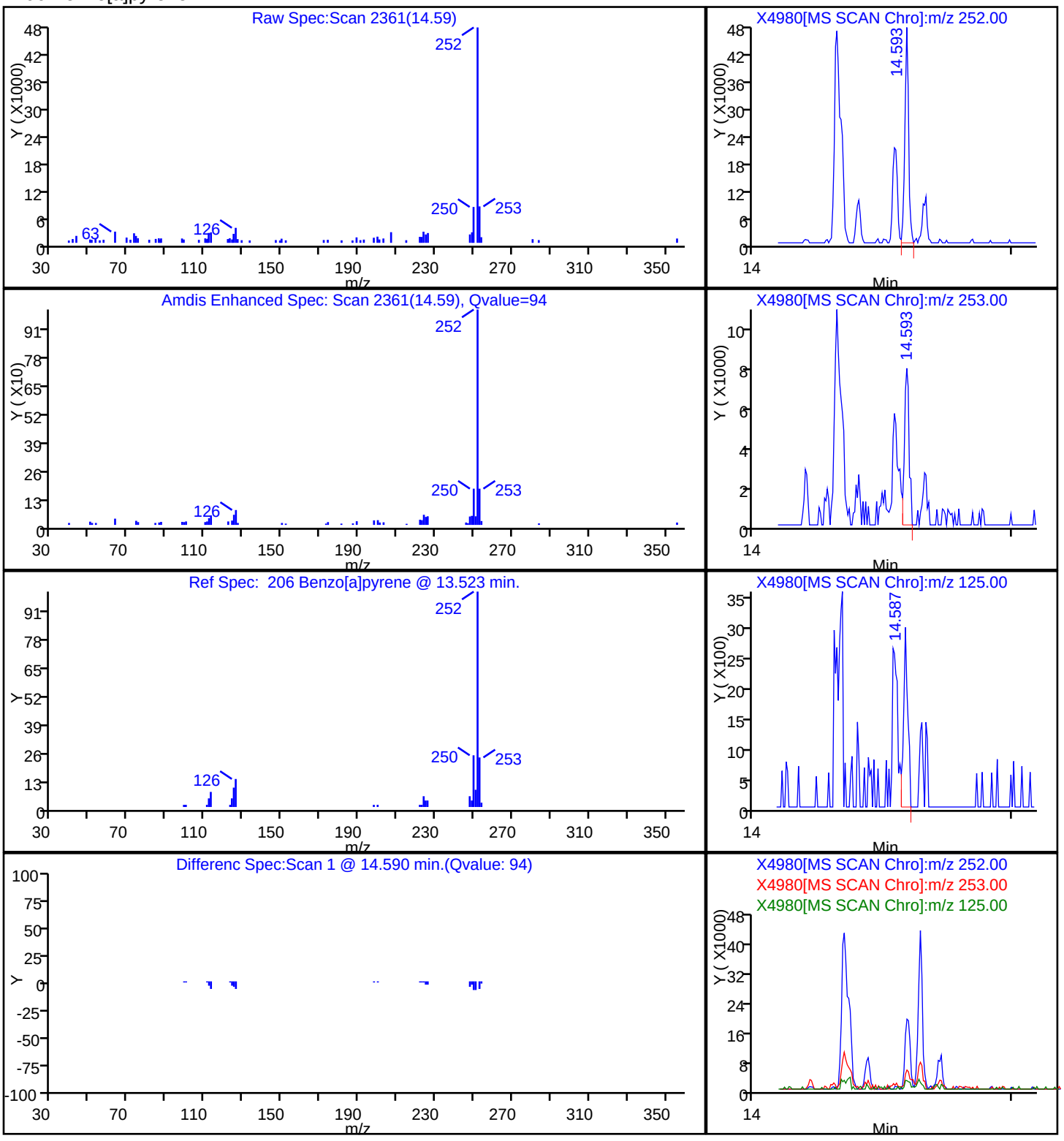


Report Date: 07-Apr-2012 11:35:28 Chrom Revision: 2.0 20-Feb-2012 13:27:02

Data File: \\Bufchrom\ChromData\HP5973X\20120406-10792.b\X4980.D

Injection Date:	07-Apr-2012 02:12:30	Limit Group:	MB - 8270C ICAL
Client ID:	RB-04 (12"-24")	Instrument ID:	HP5973X
Lims Batch ID:	58507	Lims Sample ID:	30
Operator ID:	RMM	Injection Vol:	1.00 ul
Column Type:	RXI-5Sil MS	Column Dia:	0.25 mm

206 Benzo[a]pyrene

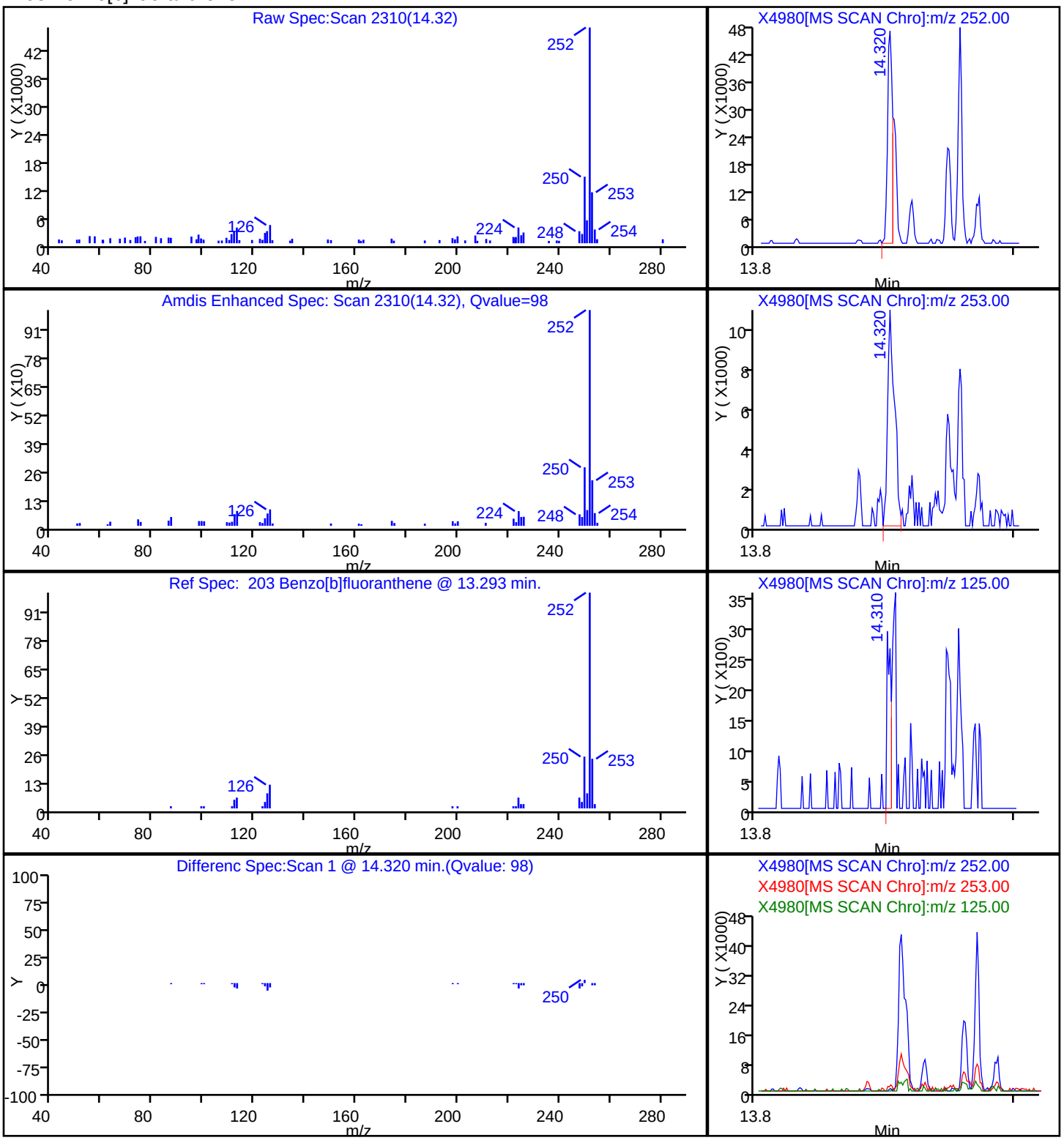


Report Date: 07-Apr-2012 11:35:28 Chrom Revision: 2.0 20-Feb-2012 13:27:02

Data File: \\Bufchrom\ChromData\HP5973X\20120406-10792.b\X4980.D

Injection Date:	07-Apr-2012 02:12:30	Limit Group:	MB - 8270C ICAL
Client ID:	RB-04 (12"-24")	Instrument ID:	HP5973X
Lims Batch ID:	58507	Lims Sample ID:	30
Operator ID:	RMM	Injection Vol:	1.00 ul
Column Type:	RXI-5Sil MS	Column Dia:	0.25 mm

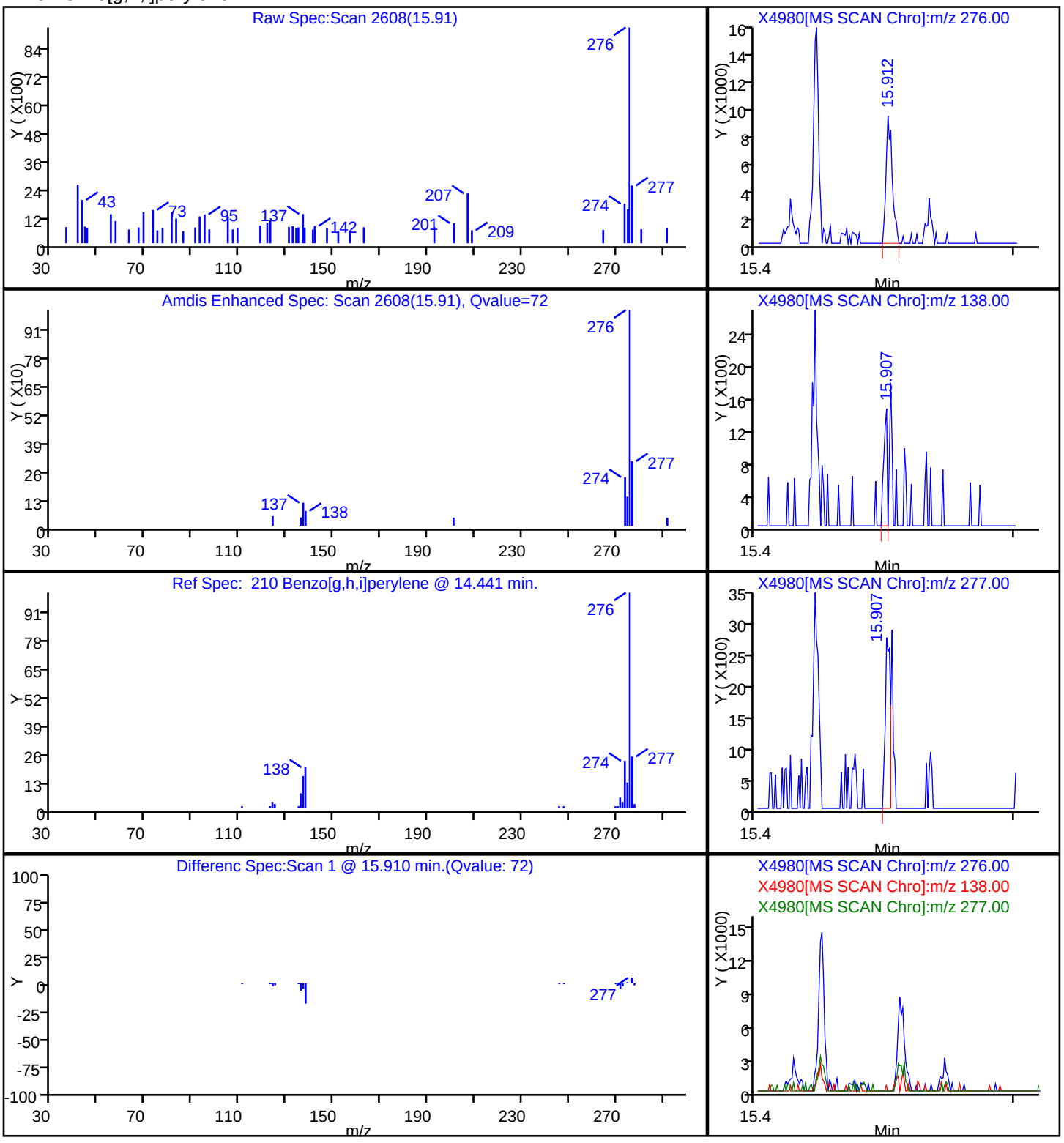
203 Benzo[b]fluoranthene



Report Date: 07-Apr-2012 11:35:28 Chrom Revision: 2.0 20-Feb-2012 13:27:02

Data File:	\\Bufchrom\ChromData\HP5973X\20120406-10792.b\X4980.D		
Injection Date:	07-Apr-2012 02:12:30	Limit Group:	MB - 8270C ICAL
Client ID:	RB-04 (12"-24")	Instrument ID:	HP5973X
Lims Batch ID:	58507	Lims Sample ID:	30
Operator ID:	RMM	Injection Vol:	1.00 ul
Column Type:	RXI-5Sil MS	Column Dia:	0.25 mm

210 Benzo[g,h,i]perylene

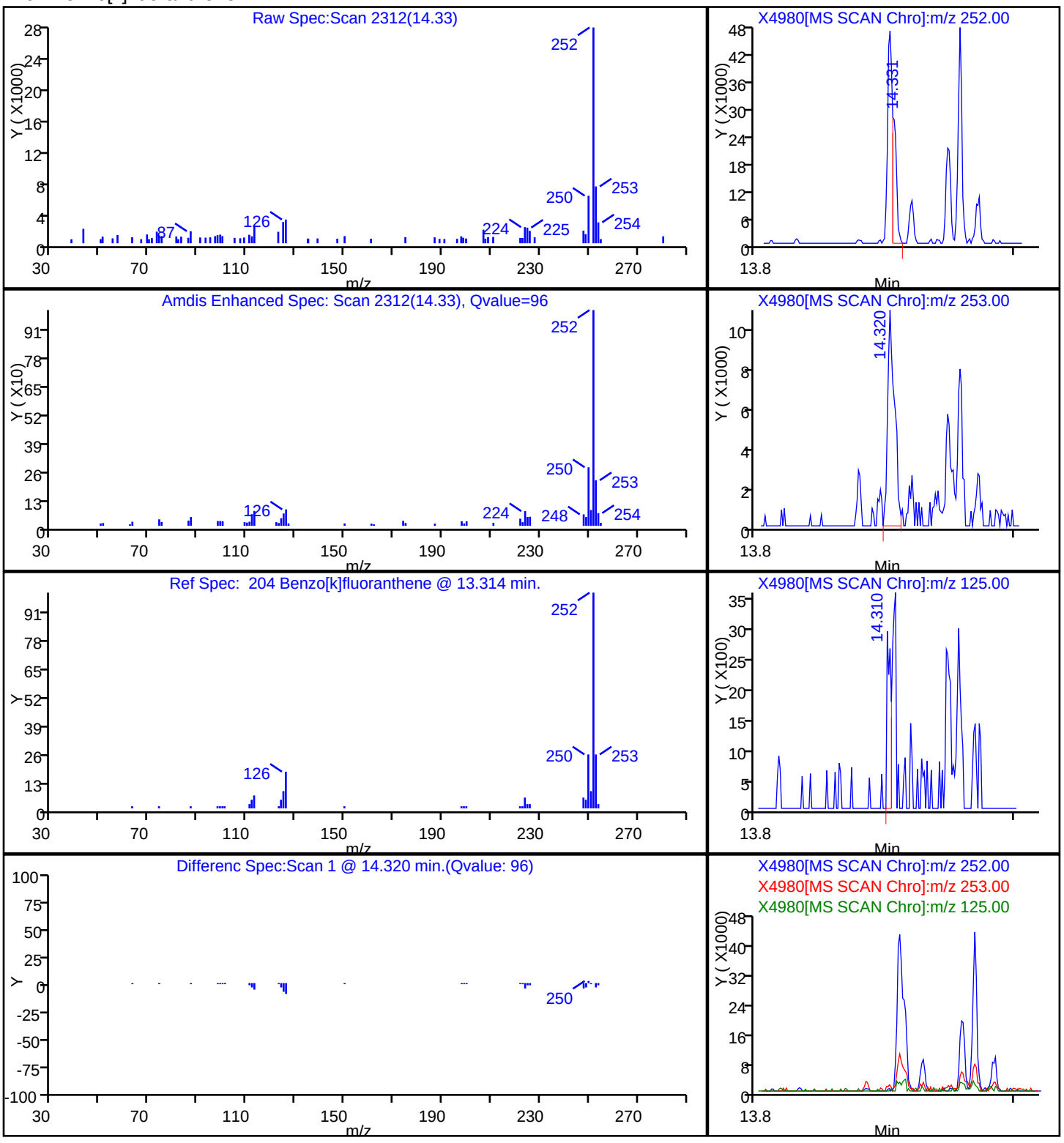


Report Date: 07-Apr-2012 11:35:28 Chrom Revision: 2.0 20-Feb-2012 13:27:02

Data File: \\Bufchrom\ChromData\HP5973X\20120406-10792.b\X4980.D

Injection Date:	07-Apr-2012 02:12:30	Limit Group:	MB - 8270C ICAL
Client ID:	RB-04 (12"-24")	Instrument ID:	HP5973X
Lims Batch ID:	58507	Lims Sample ID:	30
Operator ID:	RMM	Injection Vol:	1.00 ul
Column Type:	RXI-5Sil MS	Column Dia:	0.25 mm

204 Benzo[k]fluoranthene

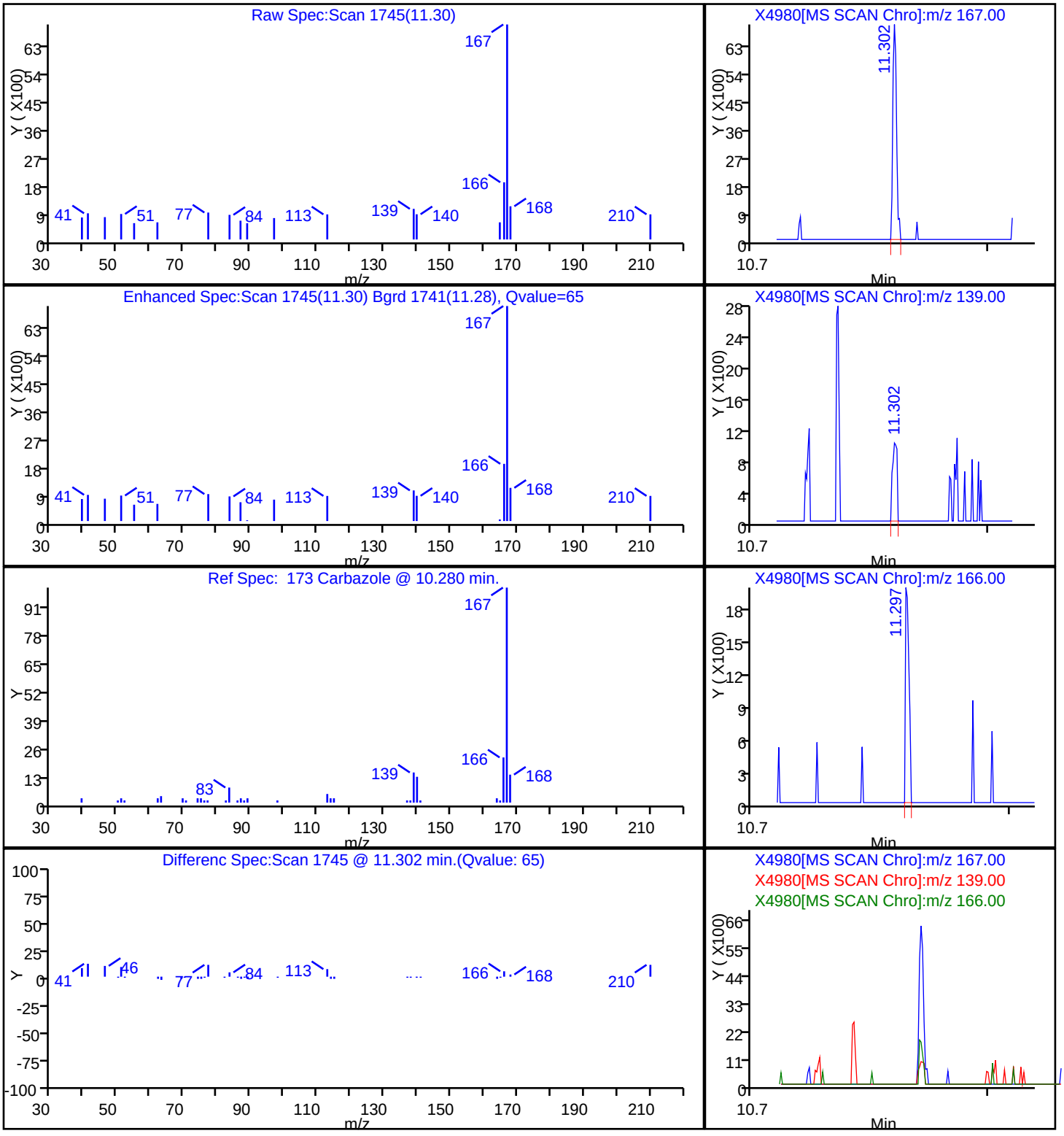


Report Date: 07-Apr-2012 11:35:28 Chrom Revision: 2.0 20-Feb-2012 13:27:02

Data File: \\Bufchrom\ChromData\HP5973X\20120406-10792.b\X4980.D

Injection Date:	07-Apr-2012 02:12:30	Limit Group:	MB - 8270C ICAL
Client ID:	RB-04 (12"-24")	Instrument ID:	HP5973X
Lims Batch ID:	58507	Lims Sample ID:	30
Operator ID:	RMM	Injection Vol:	1.00 ul
Column Type:	RXI-5Sil MS	Column Dia:	0.25 mm

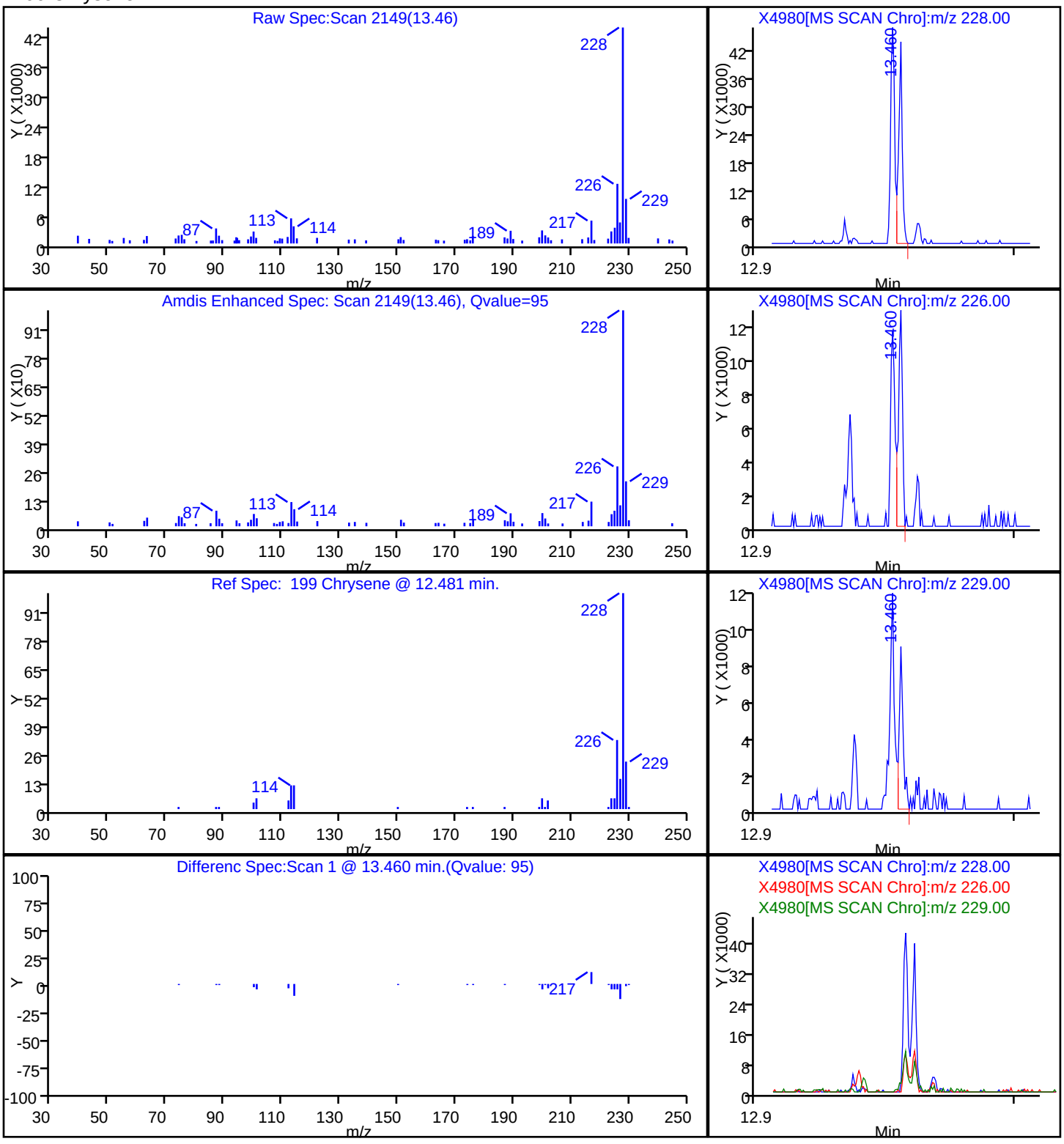
173 Carbazole



Report Date: 07-Apr-2012 11:35:28 Chrom Revision: 2.0 20-Feb-2012 13:27:02

Data File:	\\Bufchrom\ChromData\HP5973X\20120406-10792.b\X4980.D		
Injection Date:	07-Apr-2012 02:12:30	Limit Group:	MB - 8270C ICAL
Client ID:	RB-04 (12"-24")	Instrument ID:	HP5973X
Lims Batch ID:	58507	Lims Sample ID:	30
Operator ID:	RMM	Injection Vol:	1.00 ul
Column Type:	RXI-5Sil MS	Column Dia:	0.25 mm

199 Chrysene

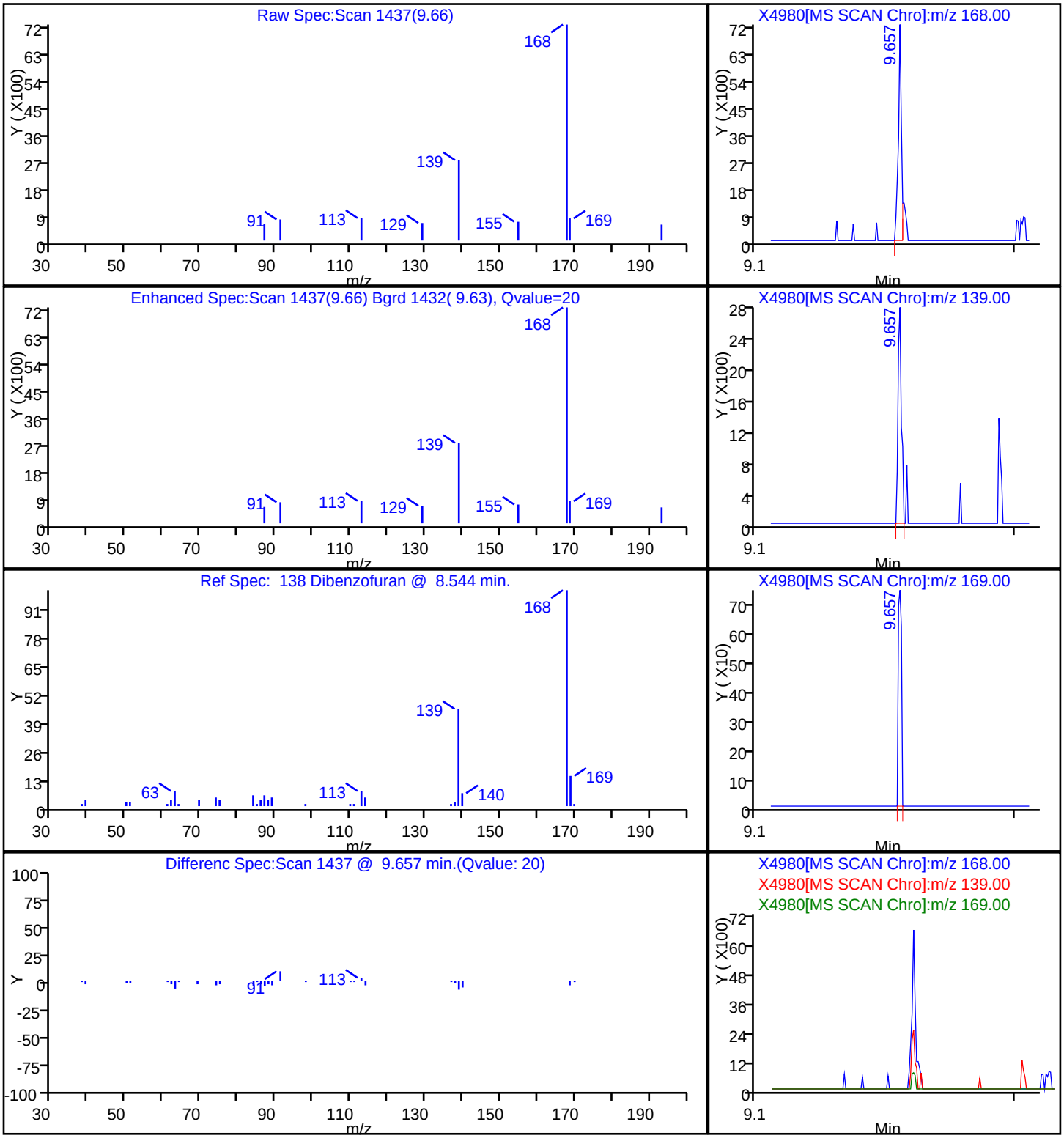


Report Date: 07-Apr-2012 11:35:28 Chrom Revision: 2.0 20-Feb-2012 13:27:02

Data File: \\Bufchrom\ChromData\HP5973X\20120406-10792.b\X4980.D

Injection Date:	07-Apr-2012 02:12:30	Limit Group:	MB - 8270C ICAL
Client ID:	RB-04 (12"-24")	Instrument ID:	HP5973X
Lims Batch ID:	58507	Lims Sample ID:	30
Operator ID:	RMM	Injection Vol:	1.00 ul
Column Type:	RXI-5Sil MS	Column Dia:	0.25 mm

138 Dibenzofuran

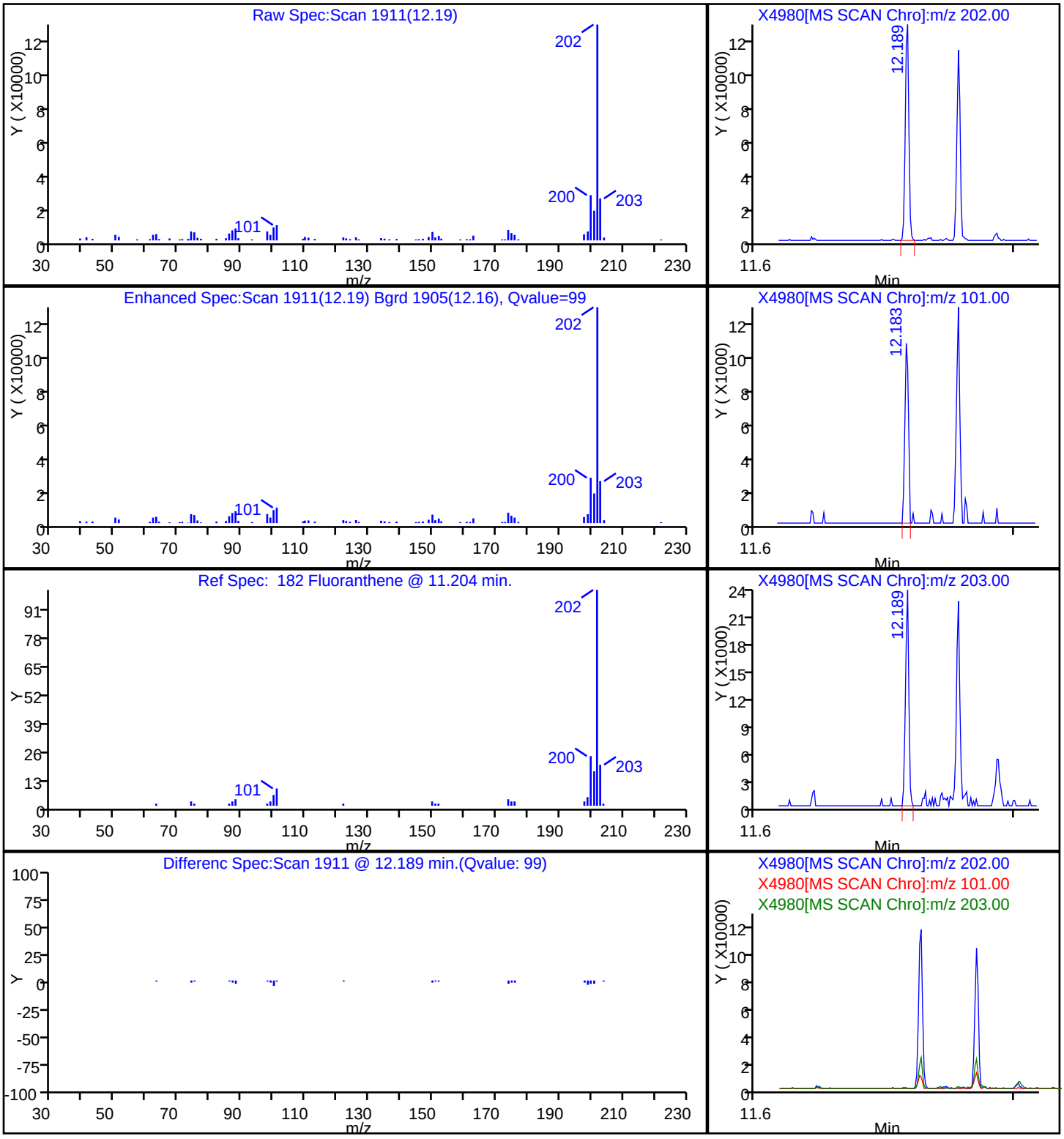


Report Date: 07-Apr-2012 11:35:28 Chrom Revision: 2.0 20-Feb-2012 13:27:02

Data File: \\Bufchrom\ChromData\HP5973X\20120406-10792.b\X4980.D

Injection Date:	07-Apr-2012 02:12:30	Limit Group:	MB - 8270C ICAL
Client ID:	RB-04 (12"-24")	Instrument ID:	HP5973X
Lims Batch ID:	58507	Lims Sample ID:	30
Operator ID:	RMM	Injection Vol:	1.00 ul
Column Type:	RXI-5Sil MS	Column Dia:	0.25 mm

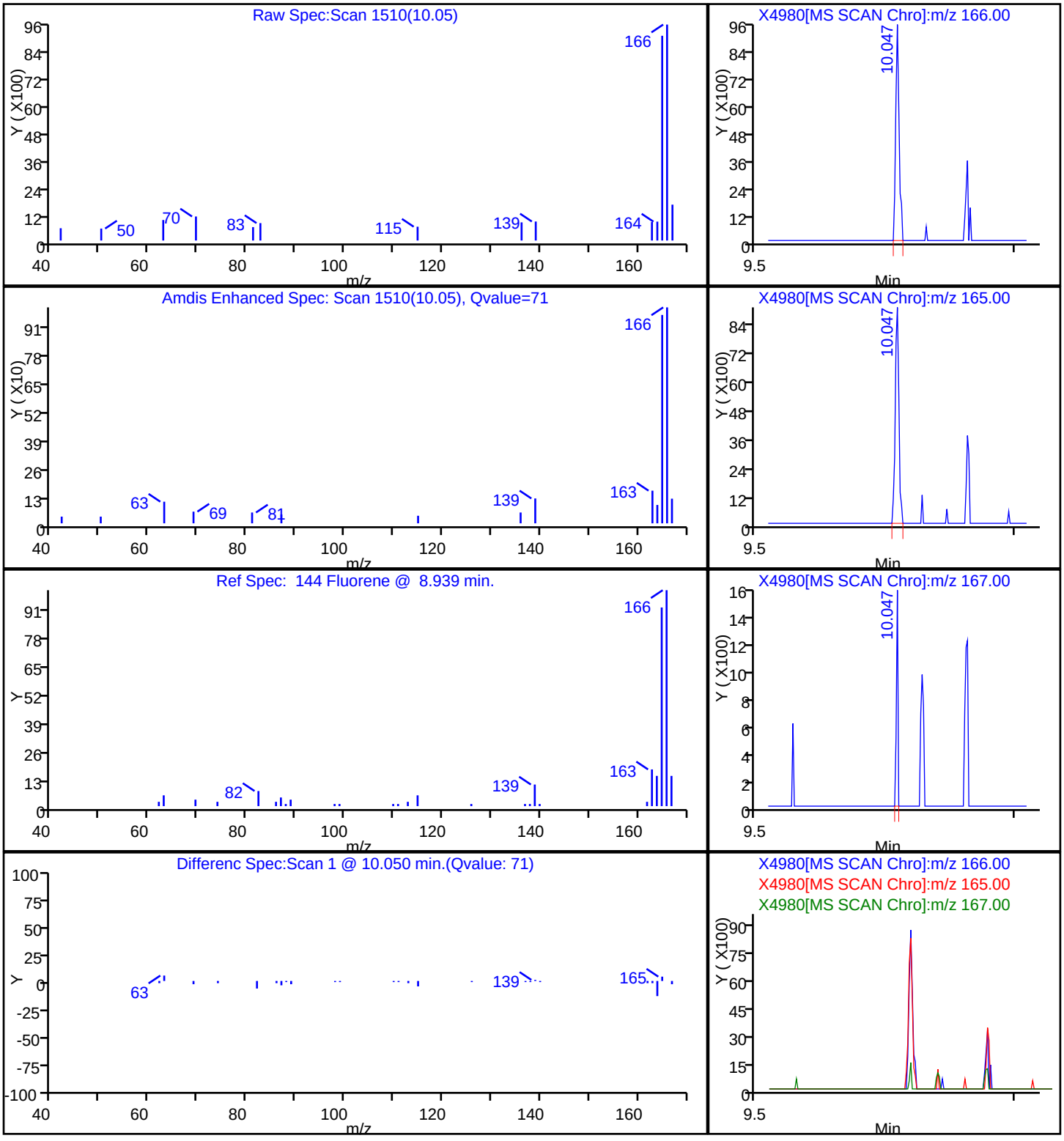
182 Fluoranthene



Report Date: 07-Apr-2012 11:35:28 Chrom Revision: 2.0 20-Feb-2012 13:27:02

Data File:	\\Bufchrom\ChromData\HP5973X\20120406-10792.b\X4980.D		
Injection Date:	07-Apr-2012 02:12:30	Limit Group:	MB - 8270C ICAL
Client ID:	RB-04 (12"-24")	Instrument ID:	HP5973X
Lims Batch ID:	58507	Lims Sample ID:	30
Operator ID:	RMM	Injection Vol:	1.00 ul
Column Type:	RXI-5Sil MS	Column Dia:	0.25 mm

144 Fluorene

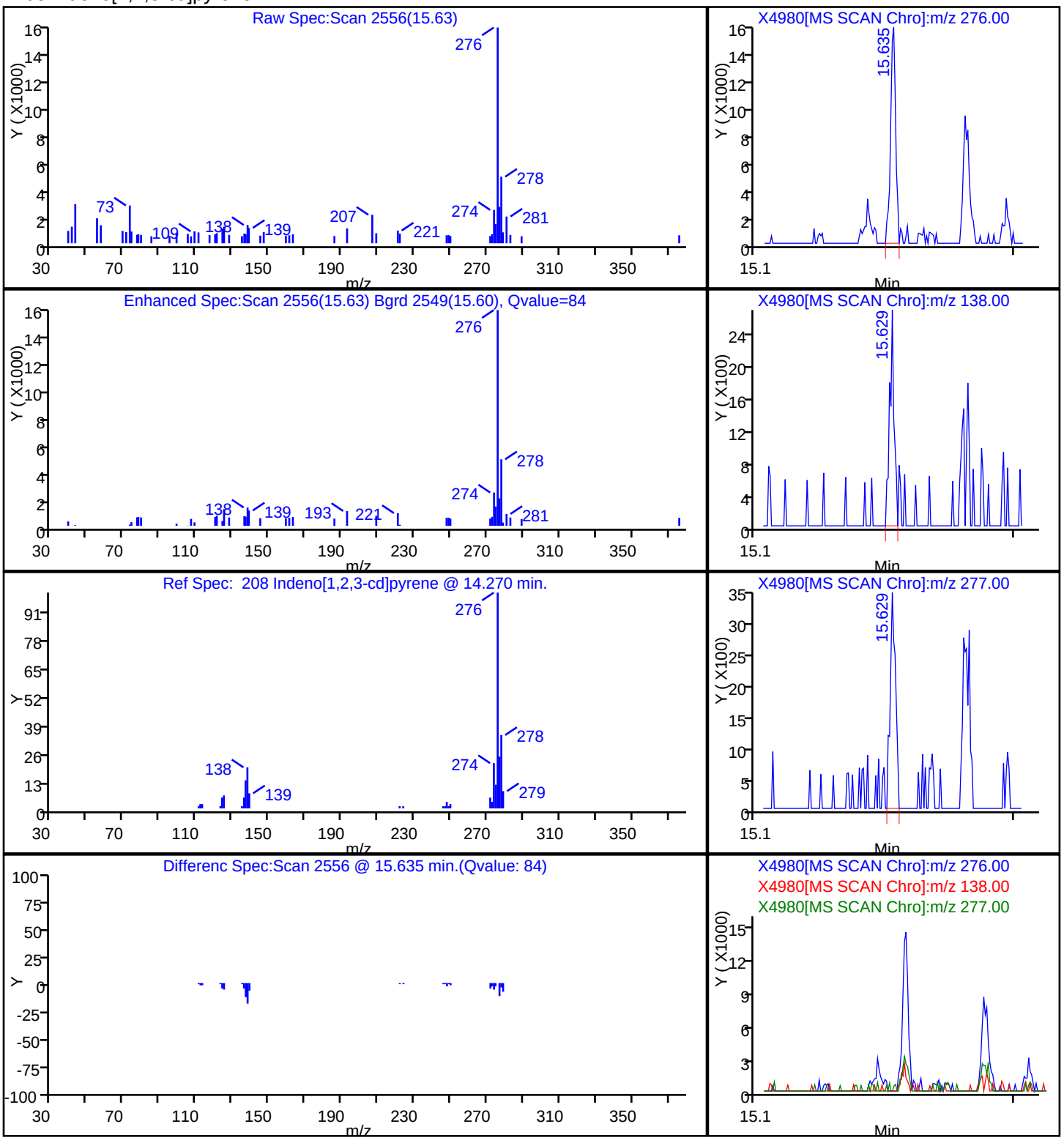


Report Date: 07-Apr-2012 11:35:28 Chrom Revision: 2.0 20-Feb-2012 13:27:02

Data File: \\Bufchrom\ChromData\HP5973X\20120406-10792.b\X4980.D

Injection Date:	07-Apr-2012 02:12:30	Limit Group:	MB - 8270C ICAL
Client ID:	RB-04 (12"-24")	Instrument ID:	HP5973X
Lims Batch ID:	58507	Lims Sample ID:	30
Operator ID:	RMM	Injection Vol:	1.00 ul
Column Type:	RXI-5Sil MS	Column Dia:	0.25 mm

208 Indeno[1,2,3-cd]pyrene

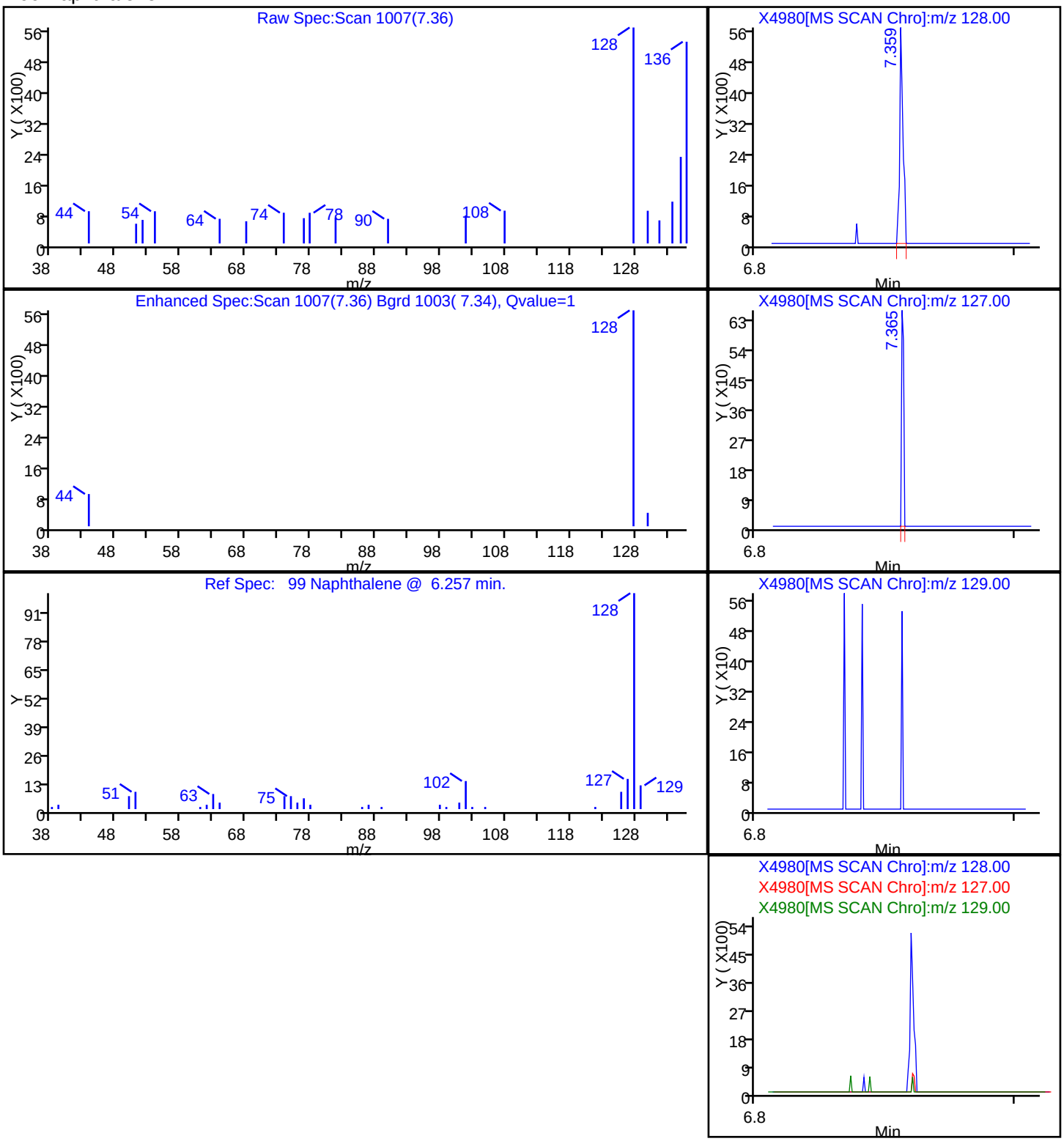


Report Date: 07-Apr-2012 11:35:28 Chrom Revision: 2.0 20-Feb-2012 13:27:02

Data File: \\Bufchrom\ChromData\HP5973X\20120406-10792.b\X4980.D

Injection Date:	07-Apr-2012 02:12:30	Limit Group:	MB - 8270C ICAL
Client ID:	RB-04 (12"-24")	Instrument ID:	HP5973X
Lims Batch ID:	58507	Lims Sample ID:	30
Operator ID:	RMM	Injection Vol:	1.00 ul
Column Type:	RXI-5Sil MS	Column Dia:	0.25 mm

99 Naphthalene

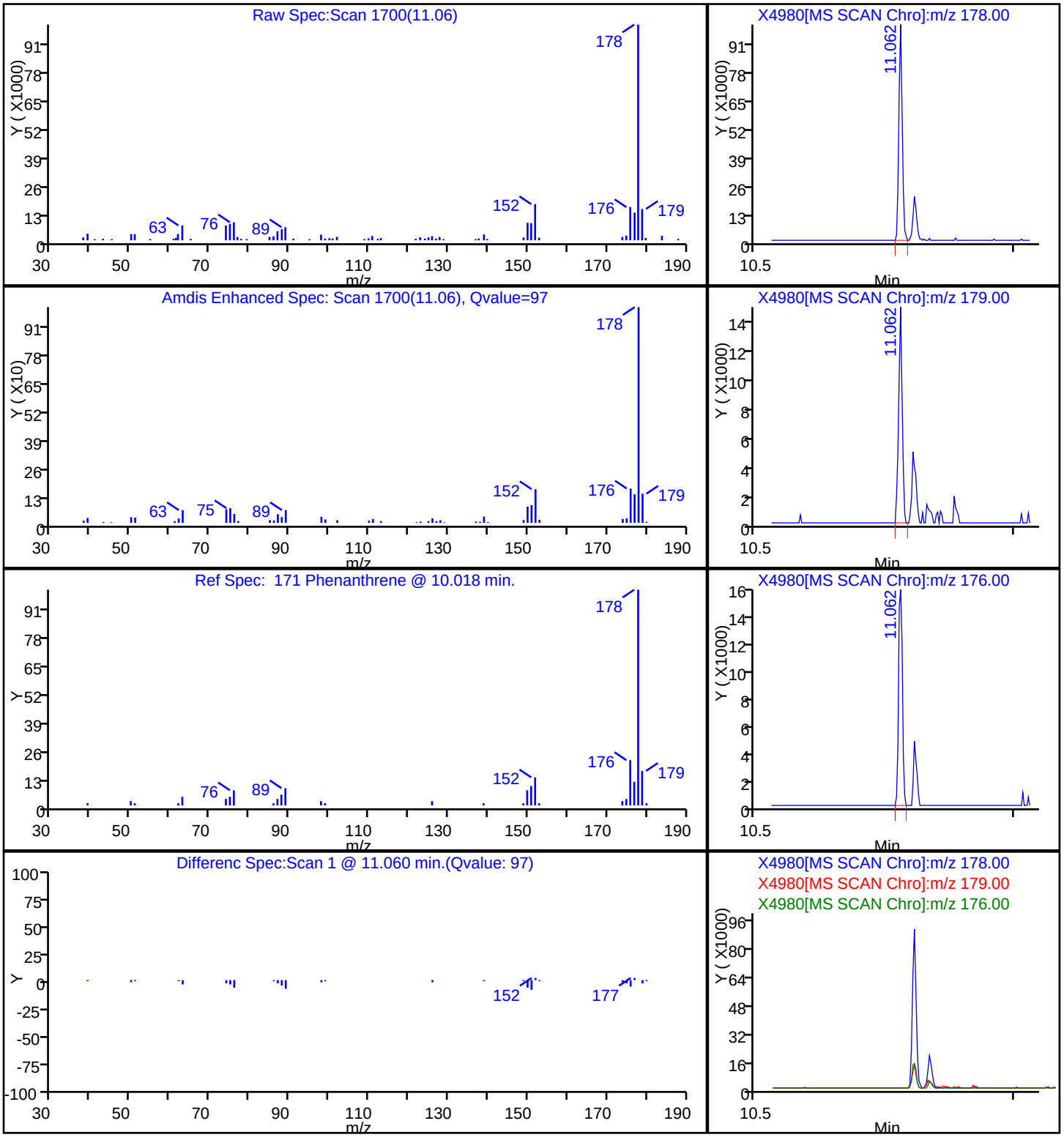


Report Date: 07-Apr-2012 11:35:28 Chrom Revision: 2.0 20-Feb-2012 13:27:02

Data File: \\Bufchrom\ChromData\HP5973X\20120406-10792.b\X4980.D

Injection Date:	07-Apr-2012 02:12:30	Limit Group:	MB - 8270C ICAL
Client ID:	RB-04 (12"-24")	Instrument ID:	HP5973X
Lims Batch ID:	58507	Lims Sample ID:	30
Operator ID:	RMM	Injection Vol:	1.00 ul
Column Type:	RXI-5Sil MS	Column Dia:	0.25 mm

171 Phenanthrene

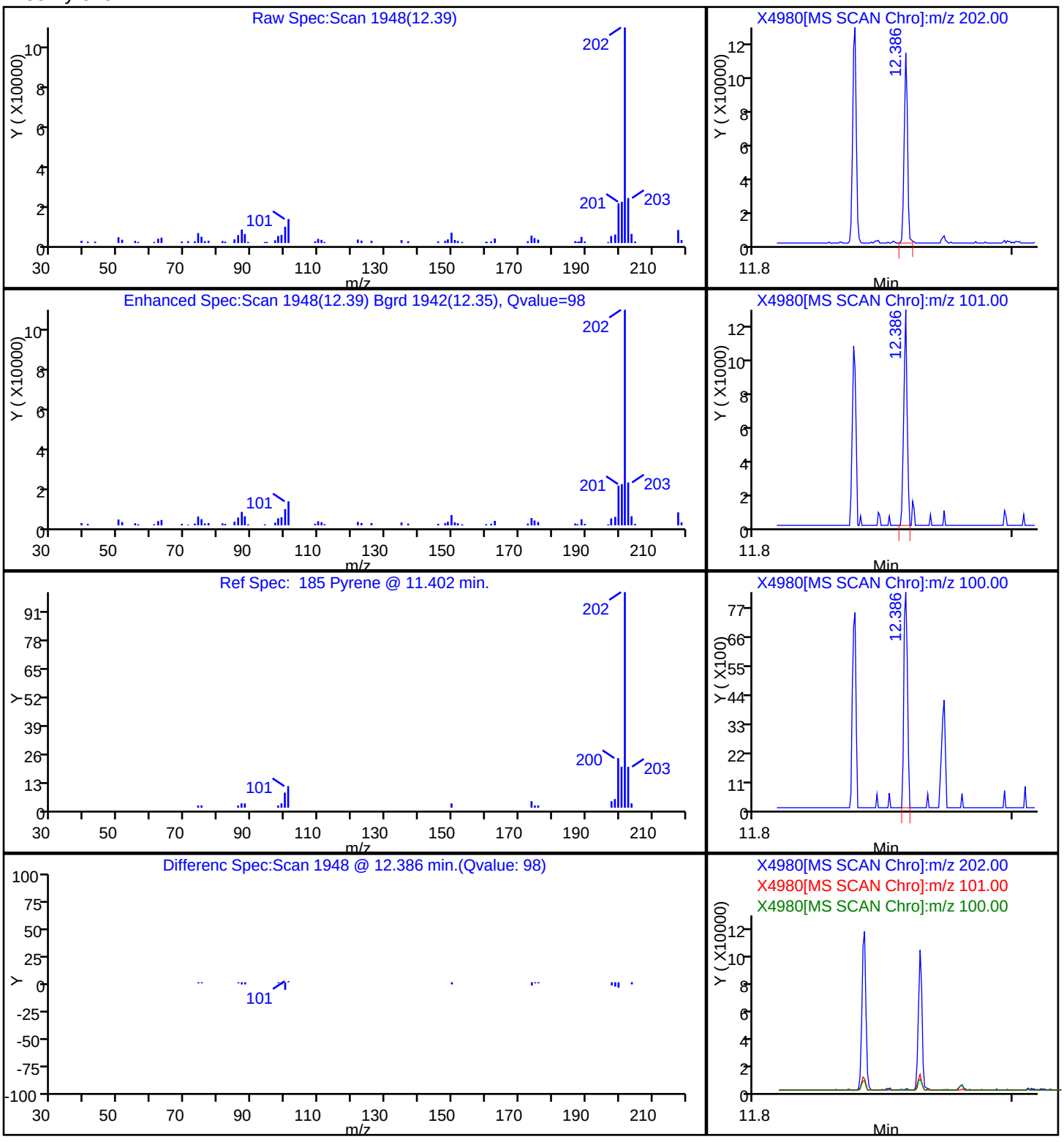


Report Date: 07-Apr-2012 11:35:28 Chrom Revision: 2.0 20-Feb-2012 13:27:02

Data File: \\Bufchrom\ChromData\HP5973X\20120406-10792.b\X4980.D

Injection Date:	07-Apr-2012 02:12:30	Limit Group:	MB - 8270C ICAL
Client ID:	RB-04 (12"-24")	Instrument ID:	HP5973X
Lims Batch ID:	58507	Lims Sample ID:	30
Operator ID:	RMM	Injection Vol:	1.00 ul
Column Type:	RXI-5Sil MS	Column Dia:	0.25 mm

185 Pyrene



Report Date: 07-Apr-2012 11:35:28 Chrom Revision: 2.0 20-Feb-2012 13:27:02

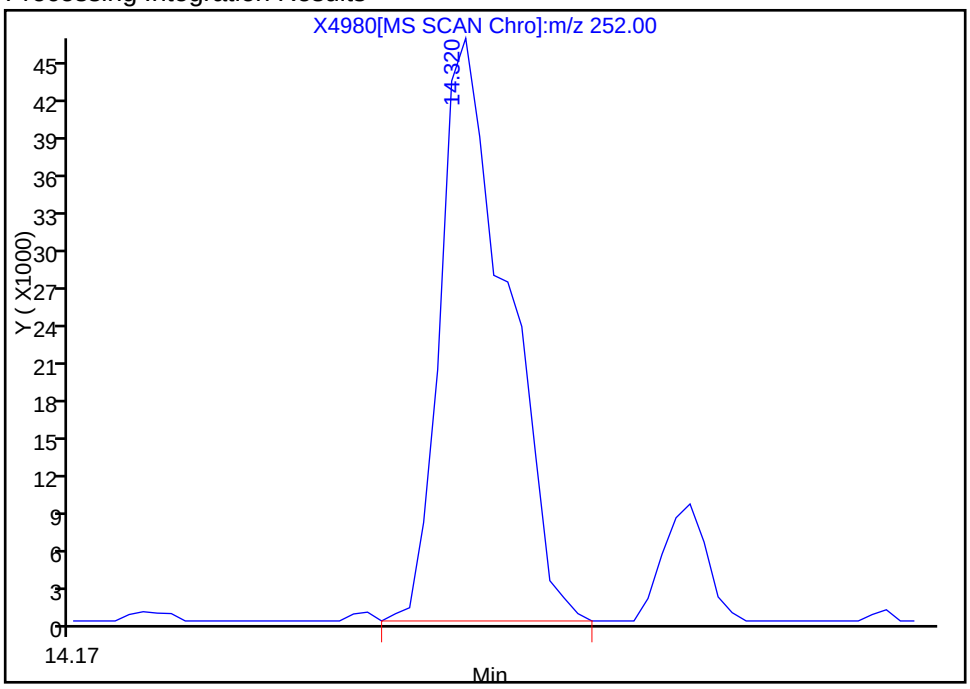
Manual Integration/User Assign Peak Report

Data File:	\\Bufchrom\ChromData\HP5973X\20120406-10792.b\X4980.D		
Injection Date:	07-Apr-2012 02:12:30	Limit Group:	MB - 8270C ICAL
Client ID:	RB-04 (12"-24")	Instrument ID:	HP5973X
Lims Batch ID:	58507	Lims Sample ID:	30
Operator ID:	RMM	Injection Vol:	1.00 ul
Column Type:	RXI-5Sil MS	Column Dia:	0.25 mm

203 Benzo[b]fluoranthene, Signal: 1, m/z: 252.0 Type: quant, RT: 14.31

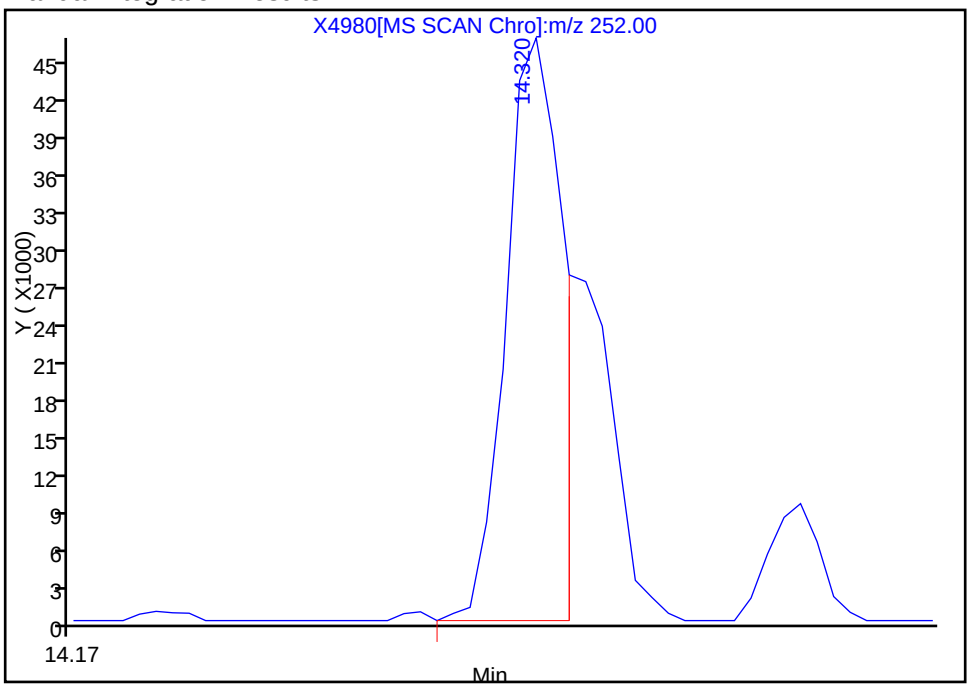
Processing Integration Results

RT: 14.32
Response: 81702
Amount: 14.428041



Manual Integration Results

RT: 14.32
Response: 59463
Amount: 10.500778



Reviewer: mckernar, 07-Apr-2012 11:35:27
Audit Action: Split an Integrated Peak
Audit Reason: Coelution

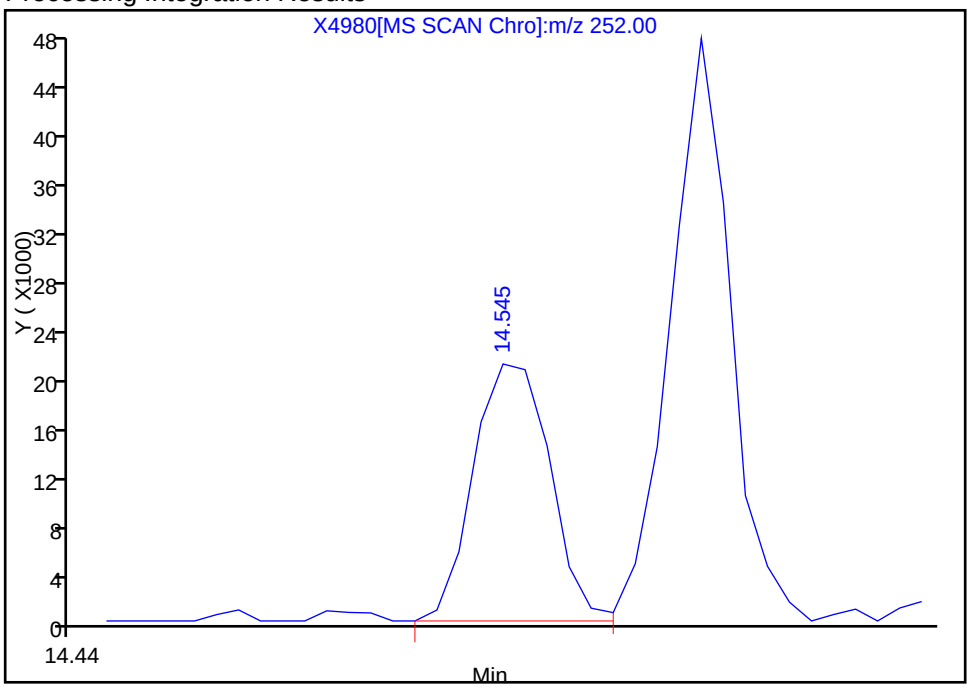
Manual Integration/User Assign Peak Report

Data File:	\\Bufchrom\ChromData\HP5973X\20120406-10792.b\X4980.D		
Injection Date:	07-Apr-2012 02:12:30	Limit Group:	MB - 8270C ICAL
Client ID:	RB-04 (12"-24")	Instrument ID:	HP5973X
Lims Batch ID:	58507	Lims Sample ID:	30
Operator ID:	RMM	Injection Vol:	1.00 ul
Column Type:	RXI-5Sil MS	Column Dia:	0.25 mm

204 Benzo[k]fluoranthene, Signal: 1, m/z: 252.0 Type: quant, RT: 14.34

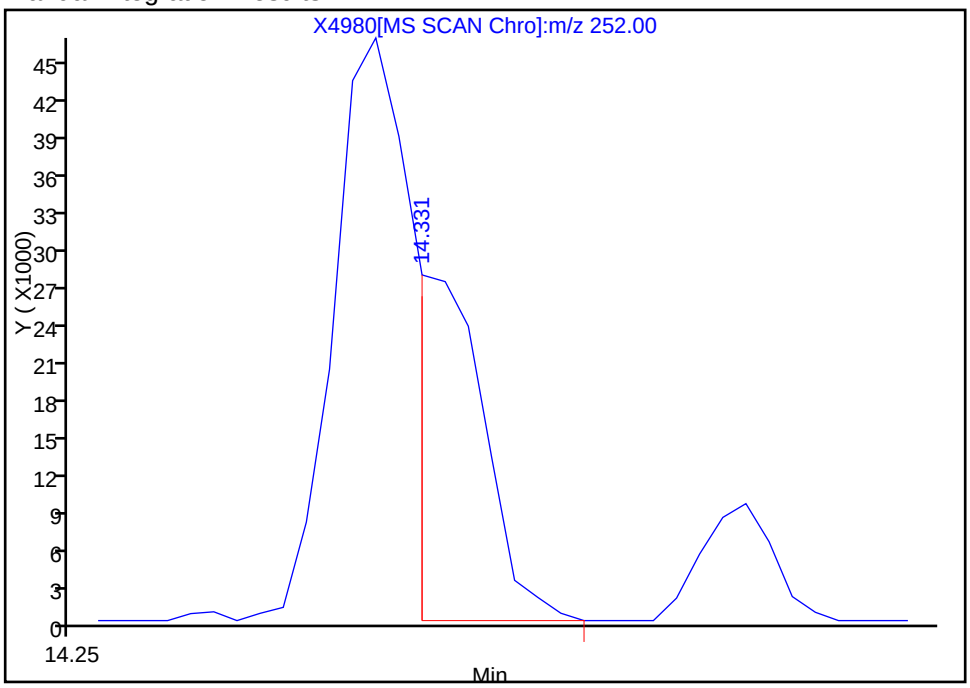
Processing Integration Results

RT: 14.54
Response: 27005
Amount: 4.492277



Manual Integration Results

RT: 14.33
Response: 31085
Amount: 5.170985

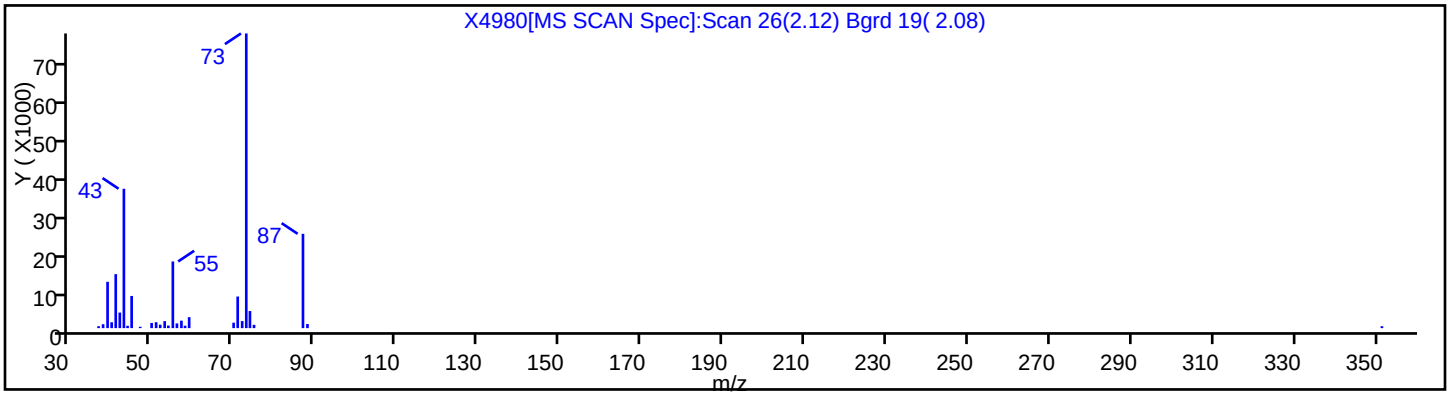


Reviewer: mckernar, 07-Apr-2012 11:35:27
Audit Action: Split an Integrated Peak
Audit Reason: Coelution

Report Date: 07-Apr-2012 11:35:28 Chrom Revision: 2.0 20-Feb-2012 13:27:02

Data File:	\\Bufchrom\ChromData\HP5973X\20120406-10792.b\X4980.D		
Injection Date:	07-Apr-2012 02:12:30	Limit Group:	MB - 8270C ICAL
Client ID:	RB-04 (12"-24")	Instrument ID:	HP5973X
Lims Batch ID:	58507	Lims Sample ID:	30
Operator ID:	RMM	Injection Vol:	1.00 ul
Column Type:	RXI-5Sil MS	Column Dia:	0.25 mm

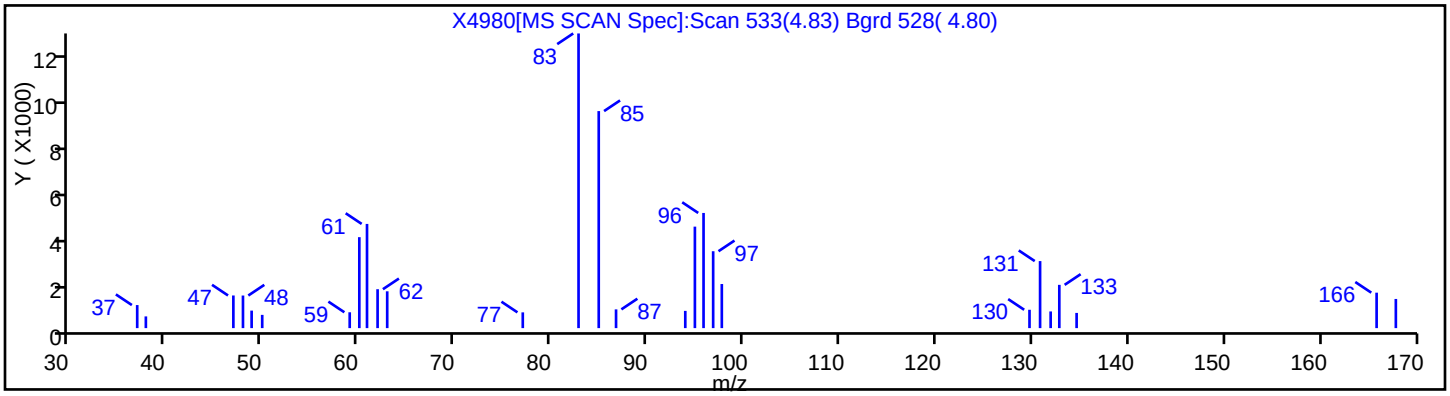
No Library Matches Found above the Threshold: 85



Report Date: 07-Apr-2012 11:35:28 Chrom Revision: 2.0 20-Feb-2012 13:27:02

Data File:	\\Bufchrom\ChromData\HP5973X\20120406-10792.b\X4980.D		
Injection Date:	07-Apr-2012 02:12:30	Limit Group:	MB - 8270C ICAL
Client ID:	RB-04 (12"-24")	Instrument ID:	HP5973X
Lims Batch ID:	58507	Lims Sample ID:	30
Operator ID:	RMM	Injection Vol:	1.00 ul
Column Type:	RXI-5Sil MS	Column Dia:	0.25 mm

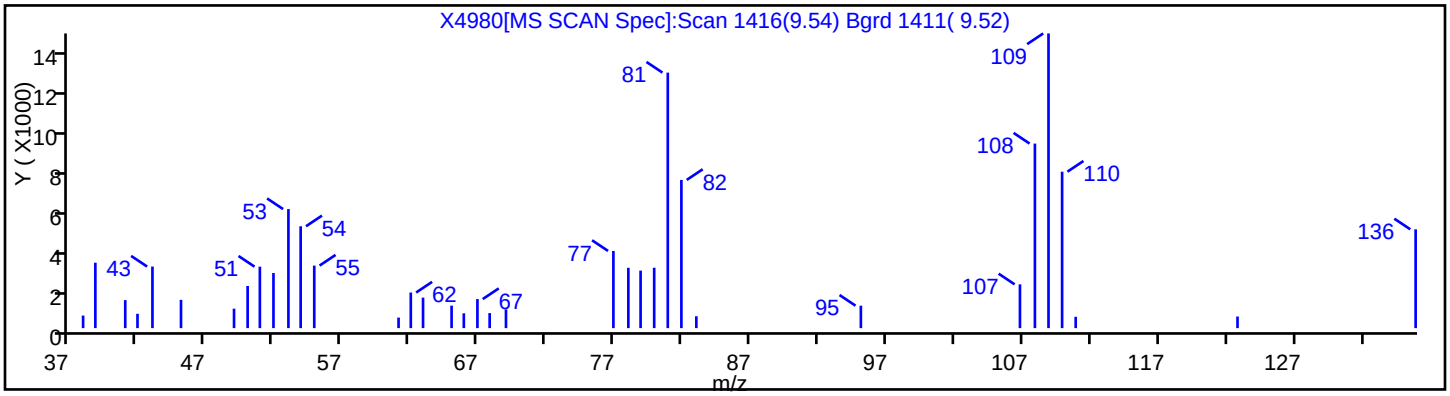
No Library Matches Found above the Threshold: 85



Report Date: 07-Apr-2012 11:35:28 Chrom Revision: 2.0 20-Feb-2012 13:27:02

Data File:	\\Bufchrom\ChromData\HP5973X\20120406-10792.b\X4980.D		
Injection Date:	07-Apr-2012 02:12:30	Limit Group:	MB - 8270C ICAL
Client ID:	RB-04 (12"-24")	Instrument ID:	HP5973X
Lims Batch ID:	58507	Lims Sample ID:	30
Operator ID:	RMM	Injection Vol:	1.00 ul
Column Type:	RXI-5Sil MS	Column Dia:	0.25 mm

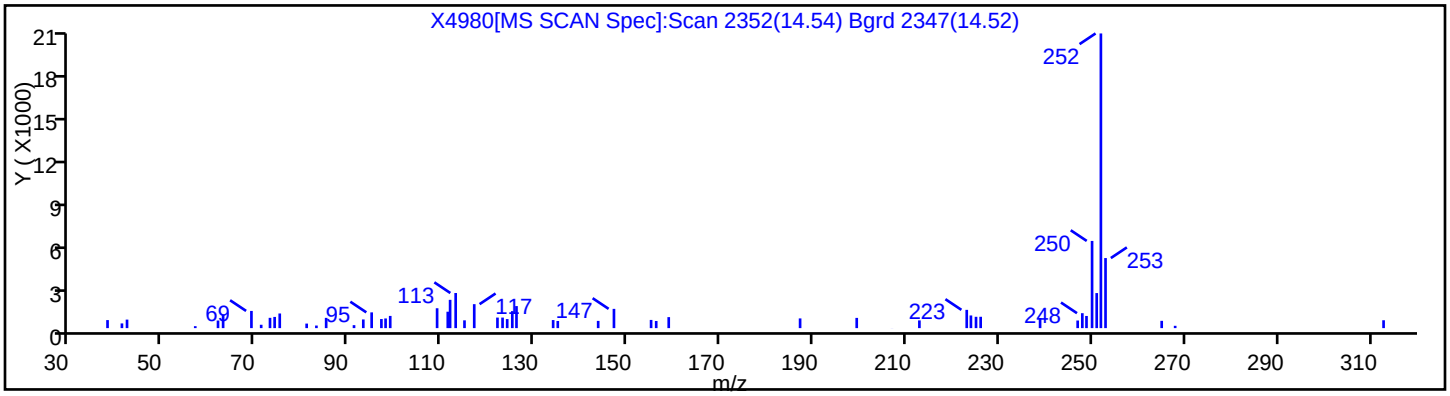
No Library Matches Found above the Threshold: 85



Report Date: 07-Apr-2012 11:35:28 Chrom Revision: 2.0 20-Feb-2012 13:27:02

Data File:	\\Bufchrom\ChromData\HP5973X\20120406-10792.b\X4980.D		
Injection Date:	07-Apr-2012 02:12:30	Limit Group:	MB - 8270C ICAL
Client ID:	RB-04 (12"-24")	Instrument ID:	HP5973X
Lims Batch ID:	58507	Lims Sample ID:	30
Operator ID:	RMM	Injection Vol:	1.00 ul
Column Type:	RXI-5Sil MS	Column Dia:	0.25 mm

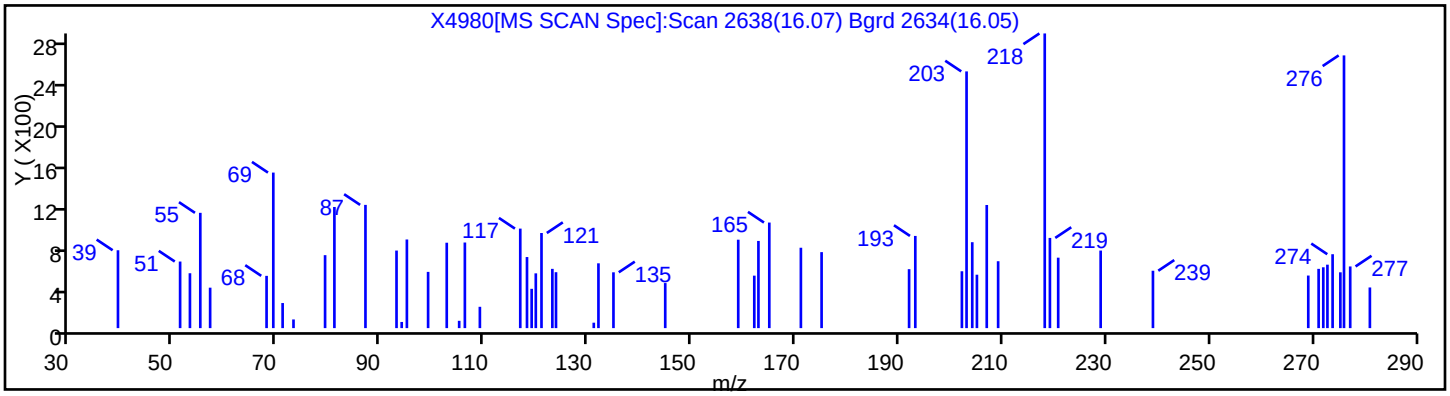
No Library Matches Found above the Threshold: 85



Report Date: 07-Apr-2012 11:35:28 Chrom Revision: 2.0 20-Feb-2012 13:27:02

Data File:	\\Bufchrom\ChromData\HP5973X\20120406-10792.b\X4980.D		
Injection Date:	07-Apr-2012 02:12:30	Limit Group:	MB - 8270C ICAL
Client ID:	RB-04 (12"-24")	Instrument ID:	HP5973X
Lims Batch ID:	58507	Lims Sample ID:	30
Operator ID:	RMM	Injection Vol:	1.00 ul
Column Type:	RXI-5Sil MS	Column Dia:	0.25 mm

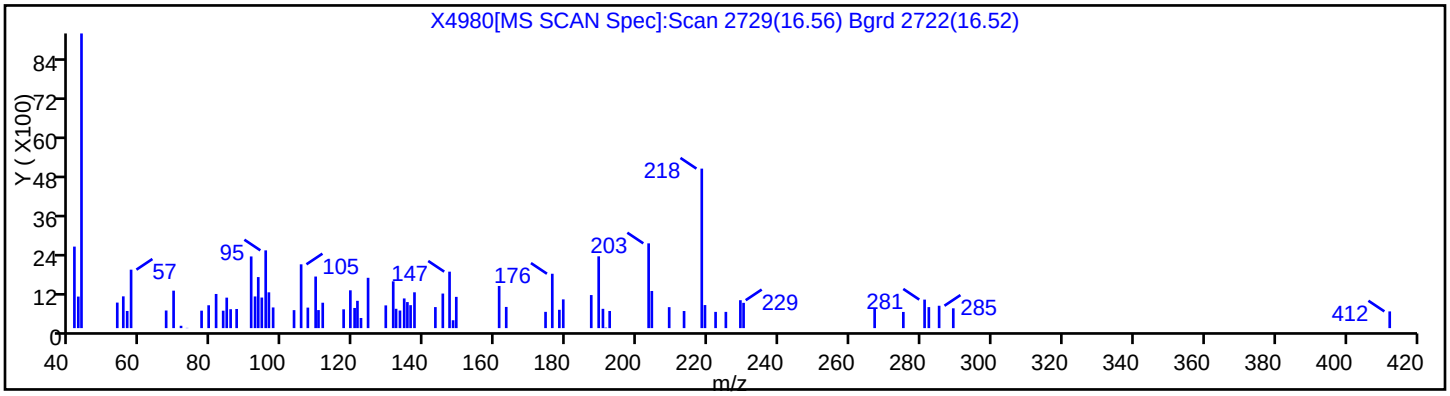
No Library Matches Found above the Threshold: 85



Report Date: 07-Apr-2012 11:35:28 Chrom Revision: 2.0 20-Feb-2012 13:27:02

Data File:	\\Bufchrom\ChromData\HP5973X\20120406-10792.b\X4980.D		
Injection Date:	07-Apr-2012 02:12:30	Limit Group:	MB - 8270C ICAL
Client ID:	RB-04 (12"-24")	Instrument ID:	HP5973X
Lims Batch ID:	58507	Lims Sample ID:	30
Operator ID:	RMM	Injection Vol:	1.00 ul
Column Type:	RXI-5Sil MS	Column Dia:	0.25 mm

No Library Matches Found above the Threshold: 85



FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Buffalo | Job No.: 480-18068-1

SDG No.:

Client Sample ID: RB-05 (0-6") | Lab Sample ID: 480-18068-7

Matrix: Solid | Lab File ID: X4981.D

Analysis Method: 8270C | Date Collected: 04/02/2012 14:55

Extract. Method: 3550B | Date Extracted: 04/05/2012 10:44

Sample wt/vol: +30.25(g) | Date Analyzed: 04/07/2012 02:36

Con. Extract Vol.: 1(mL) | Dilution Factor: 10

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

% Moisture: 21.7 | GPC Cleanup:(Y/N) N

Analysis Batch No.: 58507 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
95-95-4	2,4,5-Trichlorophenol	ND		2200	470
88-06-2	2,4,6-Trichlorophenol	ND		2200	140
120-83-2	2,4-Dichlorophenol	ND		2200	110
105-67-9	2,4-Dimethylphenol	ND		2200	580
51-28-5	2,4-Dinitrophenol	ND		4200	750
121-14-2	2,4-Dinitrotoluene	ND		2200	330
606-20-2	2,6-Dinitrotoluene	ND		2200	520
91-58-7	2-Chloronaphthalene	ND		2200	140
95-57-8	2-Chlorophenol	ND		2200	110
91-57-6	2-Methylnaphthalene	1900	J	2200	26
95-48-7	2-Methylphenol	ND		2200	66
88-74-4	2-Nitroaniline	ND		4200	690
88-75-5	2-Nitrophenol	ND		2200	98
91-94-1	3,3'-Dichlorobenzidine	ND		2200	1900
99-09-2	3-Nitroaniline	ND		4200	490
534-52-1	4,6-Dinitro-2-methylphenol	ND		4200	740
101-55-3	4-Bromophenyl phenyl ether	ND		2200	680
59-50-7	4-Chloro-3-methylphenol	ND		2200	88
106-47-8	4-Chloroaniline	ND		2200	630
7005-72-3	4-Chlorophenyl phenyl ether	ND		2200	46
106-44-5	4-Methylphenol	ND		4200	120
100-01-6	4-Nitroaniline	ND		4200	240
100-02-7	4-Nitrophenol	ND	*	4200	520
83-32-9	Acenaphthene	3300		2200	25
208-96-8	Acenaphthylene	920	J	2200	17
98-86-2	Acetophenone	ND		2200	110
120-12-7	Anthracene	4400		2200	55
1912-24-9	Atrazine	ND	*	2200	95
100-52-7	Benzaldehyde	ND		2200	230
56-55-3	Benzo(a)anthracene	11000		2200	37
50-32-8	Benzo(a)pyrene	11000		2200	52
205-99-2	Benzo(b)fluoranthene	17000		2200	42
191-24-2	Benzo(g,h,i)perylene	4000		2200	26
207-08-9	Benzo(k)fluoranthene	ND		2200	24

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Buffalo | Job No.: 480-18068-1

SDG No.:

Client Sample ID: RB-05 (0-6") | Lab Sample ID: 480-18068-7

Matrix: Solid | Lab File ID: X4981.D

Analysis Method: 8270C | Date Collected: 04/02/2012 14:55

Extract. Method: 3550B | Date Extracted: 04/05/2012 10:44

Sample wt/vol: +30.25(g) | Date Analyzed: 04/07/2012 02:36

Con. Extract Vol.: 1(mL) | Dilution Factor: 10

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

% Moisture: 21.7 | GPC Cleanup:(Y/N) N

Analysis Batch No.: 58507 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
92-52-4	Biphenyl	650	J	2200	130
108-60-1	bis (2-chloroisopropyl) ether	ND		2200	220
111-91-1	Bis(2-chloroethoxy)methane	ND		2200	120
111-44-4	Bis(2-chloroethyl)ether	ND		2200	180
117-81-7	Bis(2-ethylhexyl) phthalate	ND		2200	690
85-68-7	Butyl benzyl phthalate	ND		2200	570
105-60-2	Caprolactam	ND		2200	930
86-74-8	Carbazole	2700		2200	25
218-01-9	Chrysene	11000		2200	21
53-70-3	Dibenz(a,h)anthracene	850	J	2200	25
132-64-9	Dibenzofuran	2800		2200	22
84-66-2	Diethyl phthalate	ND		2200	65
131-11-3	Dimethyl phthalate	ND		2200	56
84-74-2	Di-n-butyl phthalate	ND		2200	740
117-84-0	Di-n-octyl phthalate	ND		2200	50
206-44-0	Fluoranthene	22000		2200	31
86-73-7	Fluorene	3800		2200	49
118-74-1	Hexachlorobenzene	ND		2200	110
87-68-3	Hexachlorobutadiene	ND		2200	110
77-47-4	Hexachlorocyclopentadiene	ND		2200	650
67-72-1	Hexachloroethane	ND		2200	170
193-39-5	Indeno(1,2,3-cd)pyrene	4000		2200	59
78-59-1	Isophorone	ND		2200	110
91-20-3	Naphthalene	5600		2200	36
98-95-3	Nitrobenzene	ND		2200	95
621-64-7	N-Nitrosodi-n-propylamine	ND		2200	170
86-30-6	N-Nitrosodiphenylamine	ND		2200	120
87-86-5	Pentachlorophenol	ND		4200	730
85-01-8	Phenanthrene	23000		2200	45
108-95-2	Phenol	ND		2200	230
129-00-0	Pyrene	22000		2200	14

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Buffalo | Job No.: 480-18068-1

SDG No.:

Client Sample ID: RB-05 (0-6") | Lab Sample ID: 480-18068-7

Matrix: Solid | Lab File ID: X4981.D

Analysis Method: 8270C | Date Collected: 04/02/2012 14:55

Extract. Method: 3550B | Date Extracted: 04/05/2012 10:44

Sample wt/vol: +30.25(g) | Date Analyzed: 04/07/2012 02:36

Con. Extract Vol.: 1(mL) | Dilution Factor: 10

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

% Moisture: 21.7 | GPC Cleanup:(Y/N) N

Analysis Batch No.: 58507 | Units: ug/Kg

CAS NO.	SURROGATE	%REC	Q	LIMITS
118-79-6	2,4,6-Tribromophenol	84		39-146
321-60-8	2-Fluorobiphenyl	82		37-120
367-12-4	2-Fluorophenol	59		18-120
4165-60-0	Nitrobenzene-d5	80		34-132
4165-62-2	Phenol-d5	68		11-120
1718-51-0	p-Terphenyl-d14	78		65-153

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

Lab Name: TestAmerica Buffalo | Job No.: 480-18068-1

SDG No.:

Client Sample ID: RB-05 (0-6") | Lab Sample ID: 480-18068-7

Matrix: Solid | Lab File ID: X4981.D

Analysis Method: 8270C | Date Collected: 04/02/2012 14:55

Extract. Method: 3550B | Date Extracted: 04/05/2012 10:44

Sample wt/vol: +30.25(g) | Date Analyzed: 04/07/2012 02:36

Con. Extract Vol.: 1(mL) | Dilution Factor: 10

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

% Moisture: 21.7 | GPC Cleanup:(Y/N) N

Analysis Batch No.: 58507 | Units: ug/Kg

Number TICs Found: 4 | TIC Result Total: 12300

CAS NO.	COMPOUND NAME	RT	RESULT	Q
	Unknown	11.65	2800	T J
84-65-1	Anthraquinone	11.86	2500	J
	Unknown	12.71	1800	T J
192-97-2	Benzo[e]pyrene	14.57	5200	T J N

TestAmerica Laboratories
Target Compound Quantitation Report

Data File: \\Bufchrom\ChromData\HP5973X\20120406-10792.b\X4981.D
Lims ID: 480-18068-B-7-B
Client ID: RB-05 (0-6")
Inject. Date: 07-Apr-2012 02:36:30
Dil. Factor: 10.0000
Sample Type: Client
Sample ID: 480-0010792-031
Misc. Info.:
Operator: RMM
Instrument ID: HP5973X
Vol. Injected: 1.0000
ALS Bottle#: 32
Lims Batch ID: 58507
Lims Sample ID: 31
Detector: MS SCAN

Method: \\Bufchrom\ChromData\HP5973X\20120406-10792.b\X-8270.m
Last Update: 07-Apr-2012 11:36:42
Calib Date: 03-Apr-2012 15:26:30
Quant Method: Internal Standard
Quant By: Initial Calibration
Last ICal File: \\Bufchrom\ChromData\HP5973X\20120403-10684.b\X4785.D
Limit Group: MB - 8270C ICAL
Integrator: RTE
ID Type: Deconvolution ID
Process Host: CORP-CTX-16

First Level Reviewer: mckernar
Date: 07-Apr-2012 11:36:42

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ng/uL	Flags
* 1 1,4-Dichlorobenzene-d4	152	5.805	5.810	-0.005	94	49869	40.0	
* 2 Naphthalene-d8	136	7.365	7.322	0.043	89	198545	40.0	
* 3 Acenaphthene-d10	164	9.416	9.400	0.016	46	131443	40.0	
* 4 Phenanthrene-d10	188	11.051	11.024	0.027	98	212451	40.0	
* 5 Chrysene-d12	240	13.460	13.417	0.043	99	175599	40.0	
* 6 Perylene-d12	264	14.662	14.614	0.048	98	196999	40.0	
$ 7 2-Fluorophenol	112	4.234	4.239	-0.005	68	13810	8.81	
$ 8 Phenol-d5	99	5.436	5.431	0.005	70	22138	10.2	
$ 9 Nitrobenzene-d5	82	6.510	6.478	0.032	81	19321	7.97	
$ 10 2-Fluorobiphenyl	172	8.636	8.615	0.021	94	33137	8.23	
$ 11 2,4,6-Tribromophenol	330	10.346	10.308	0.038	36	8271	12.6	
$ 12 p-Terphenyl-d14	244	12.552	12.509	0.043	88	34394	7.83	
62 Benzaldehyde	77		5.286					
63 Phenol	94		5.447					
66 Bis(2-chloroethyl)ether	93		5.505					
67 2-Chlorophenol	128		5.564					
74 2,2'-oxybis[1-chloropropane]	45		6.157					
73 2-Methylphenol	108		6.163					
76 Acetophenone	105		6.307					
78 N-Nitrosodi-n-propylamine	70		6.312					
79 4-Methylphenol	108		6.355					
81 Hexachloroethane	117		6.398					
83 Nitrobenzene	77		6.499					
86 Isophorone	82		6.793					
87 2-Nitrophenol	139		6.878					
89 2,4-Dimethylphenol	107		6.980					
94 Bis(2-chloroethoxy)methane	93		7.065					
97 2,4-Dichlorophenol	162		7.194					
99 Naphthalene	128	7.386	7.343	0.043	93	63459	13.2	
101 4-Chloroaniline	127		7.445					
104 Hexachlorobutadiene	225		7.498					

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ng/uL	Flags
105 Caprolactam	113		7.872					
110 4-Chloro-3-methylphenol	107		8.059					
113 2-Methylnaphthalene	142	8.214	8.171	0.043	81	16035	4.57	
116 Hexachlorocyclopentadiene	237		8.353					
118 2,4,6-Trichlorophenol	196		8.529					
119 2,4,5-Trichlorophenol	196		8.599					
123 1,1'-Biphenyl	154	8.754	8.732	0.022	32	6772	1.55	
124 2-Chloronaphthalene	162		8.743					
125 2-Nitroaniline	65		8.903					
128 Dimethyl phthalate	163		9.122					
130 2,6-Dinitrotoluene	165		9.197					
131 Acenaphthylene	152	9.256	9.229	0.027	65	11600	2.18	
132 3-Nitroaniline	138		9.400					
133 Acenaphthene	153	9.453	9.432	0.021	90	25329	7.87	
134 2,4-Dinitrophenol	184		9.528					
138 Dibenzofuran	168	9.667	9.640	0.027	93	31677	6.57	
137 2,4-Dinitrotoluene	165		9.672					
135 4-Nitrophenol	109		9.683					
142 Diethyl phthalate	149		9.950					
144 Fluorene	166	10.057	10.036	0.021	95	36644	8.91	
145 4-Chlorophenyl phenyl ether	204		10.046					
147 4-Nitroaniline	138		10.110					
148 4,6-Dinitro-2-methylphenol	198		10.132					
149 N-Nitrosodiphenylamine	169		10.185					
159 4-Bromophenyl phenyl ether	248		10.565					
160 Hexachlorobenzene	284		10.618					
163 Atrazine	200		10.784					
165 Pentachlorophenol	266		10.848					
171 Phenanthrene	178	11.078	11.035	0.043	99	306614	54.3	
172 Anthracene	178	11.131	11.088	0.043	98	57570	10.3	
173 Carbazole	167	11.313	11.270	0.043	91	31292	6.31	
176 Di-n-butyl phthalate	149		11.612					
182 Fluoranthene	202	12.205	12.162	0.043	99	303394	51.7	
185 Pyrene	202	12.408	12.360	0.048	99	253984	52.8	
192 Butyl benzyl phthalate	149		12.937					
196 3,3'-Dichlorobenzidine	252		13.396					
197 Benzo[a]anthracene	228	13.449	13.412	0.037	70	123649	25.4	
198 Bis(2-ethylhexyl) phthalate	149		13.428					
199 Chrysene	228	13.482	13.444	0.038	97	109630	25.1	
201 Di-n-octyl phthalate	149		13.968					
203 Benzo[b]fluoranthene	252	14.342	14.315	0.027	99	223193	40.2	
204 Benzo[k]fluoranthene	252		14.336					
206 Benzo[a]pyrene	252	14.614	14.587	0.027	98	117027	25.1	
208 Indeno[1,2,3-cd]pyrene	276	15.656	15.634	0.022	95	56345	9.49	
209 Dibenz(a,h)anthracene	278	15.763	15.640	0.123	60	10856	2.01	
210 Benzo[g,h,i]perylene	276	15.934	15.917	0.017	94	46707	9.58	

TestAmerica Laboratories
Tentatively Identified Quantitation Report

Data File:	\\Bufchrom\ChromData\HP5973X\20120406-10792.b\X4981.D		
Lims ID:	480-18068-B-7-B	Client ID:	RB-05 (0-6")
Inject. Date:	07-Apr-2012 02:36:30	Dil. Factor:	10.0000
Sample Type:	Client		
Sample ID:	480-0010792-031		
Misc. Info.:			
Operator:	RMM	Instrument ID:	HP5973X
Vol. Injected:	1.0000	ALS Bottle#:	32
Lims Batch ID:	58507	Lims Sample ID:	31
Detector:	MS SCAN		
Method:	\\Bufchrom\ChromData\HP5973X\20120406-10792.b\X-8270.m		
Last Update:	07-Apr-2012 11:36:42	Calib Date:	03-Apr-2012 15:26:30
Tic RT Window:	1.500 -0.000	Response:	area
Quant By:	Nearest ISTD	Quant LOD:	10.00000
MS Library:	\\Bufchrom\ChromData\Database\NIST98.L		
Min. Match:	85		
Process Host:	CORP-CTX-16		
First Level Reviewer: mckernar		Date:	07-Apr-2012 11:36:42

Calibrated Tentative Identified Compound Results

Compound	RT	Response	Amount ng/uL	Flags
1-Methylnaphthalene (TIC)	8.214	16035	4.88	
Anthraquinone	11.863	9872	5.99	

Tentative Identified Compound Results

RT	Response	Amount ng/uL	Quant Cpnd	Qual	Lib Entry	Flags
	Unknown					
11.649	104672	6.74	4			
	Unknown					
12.707	109689	4.30	5			
192-97-2	Benzo[e]pyrene					
14.571	199604	12.2	6	90	127650	

Quantitation Compounds

Compound	RT	Response	Amount ng/uL
* 4 Phenanthrene-d10	11.051	621363	40.0
* 5 Chrysene-d12	13.455	1019600	40.0
* 6 Perylene-d12	14.662	654820	40.0

QC Flag Legend

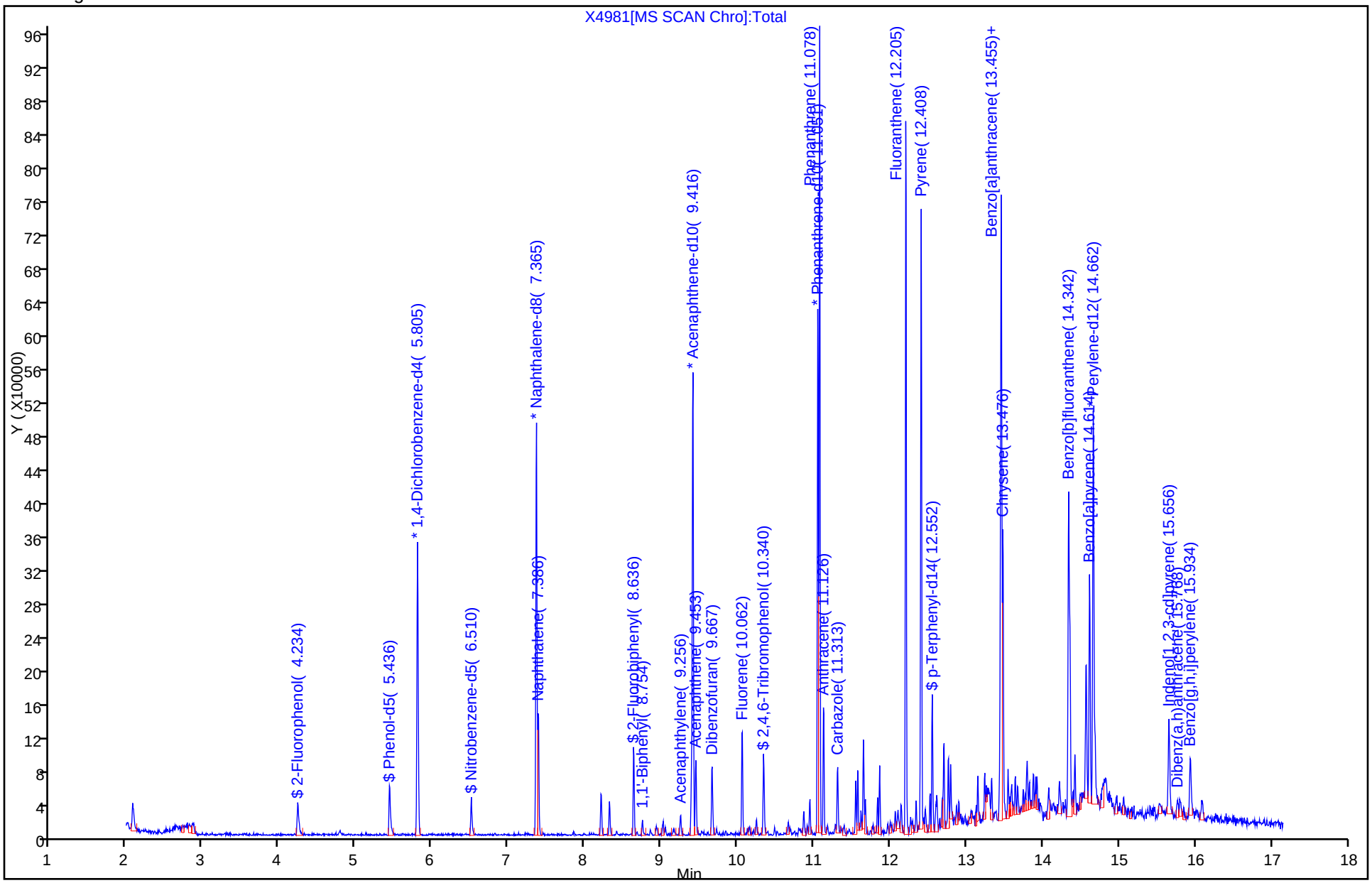
Processing Flags

Report Date: 07-Apr-2012 11:36:42 Chrom Revision: 2.0 20-Feb-2012 13:27:02

Data File: \\Bufchrom\ChromData\HP5973X\20120406-10792.b\X4981.D

Injection Date:	07-Apr-2012 02:36:30	Limit Group:	MB - 8270C ICAL
Client ID:	RB-05 (0-6")	Instrument ID:	HP5973X
Lims Batch ID:	58507	Lims Sample ID:	31
Operator ID:	RMM	Injection Vol:	1.00 ul
Column Type:	RXI-5Sil MS	Column Dia:	0.25 mm

Y Scaling:

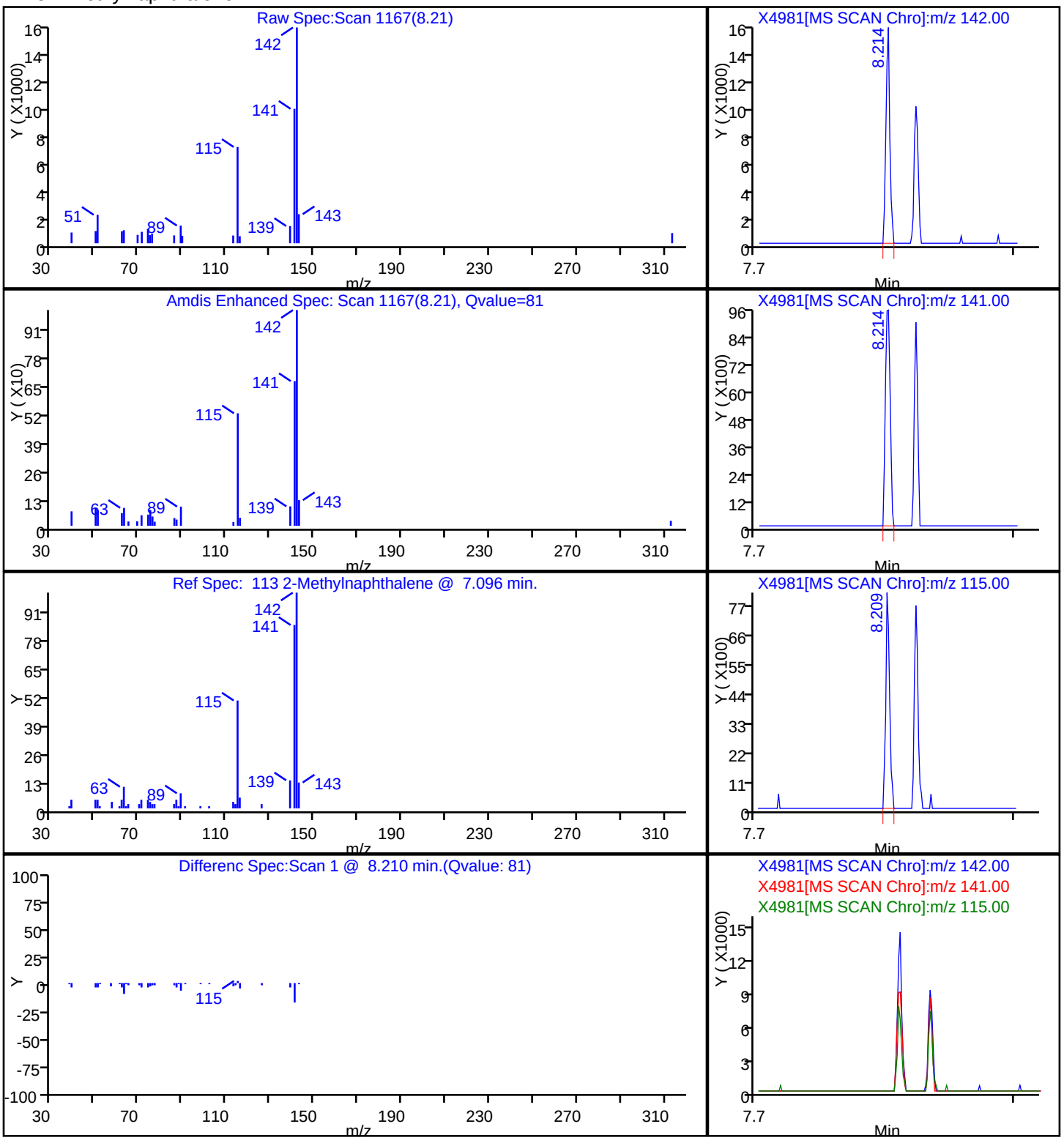


Report Date: 07-Apr-2012 11:36:42 Chrom Revision: 2.0 20-Feb-2012 13:27:02

Data File: \\Bufchrom\ChromData\HP5973X\20120406-10792.b\X4981.D

Injection Date:	07-Apr-2012 02:36:30	Limit Group:	MB - 8270C ICAL
Client ID:	RB-05 (0-6")	Instrument ID:	HP5973X
Lims Batch ID:	58507	Lims Sample ID:	31
Operator ID:	RMM	Injection Vol:	1.00 ul
Column Type:	RXI-5Sil MS	Column Dia:	0.25 mm

113 2-Methylnaphthalene

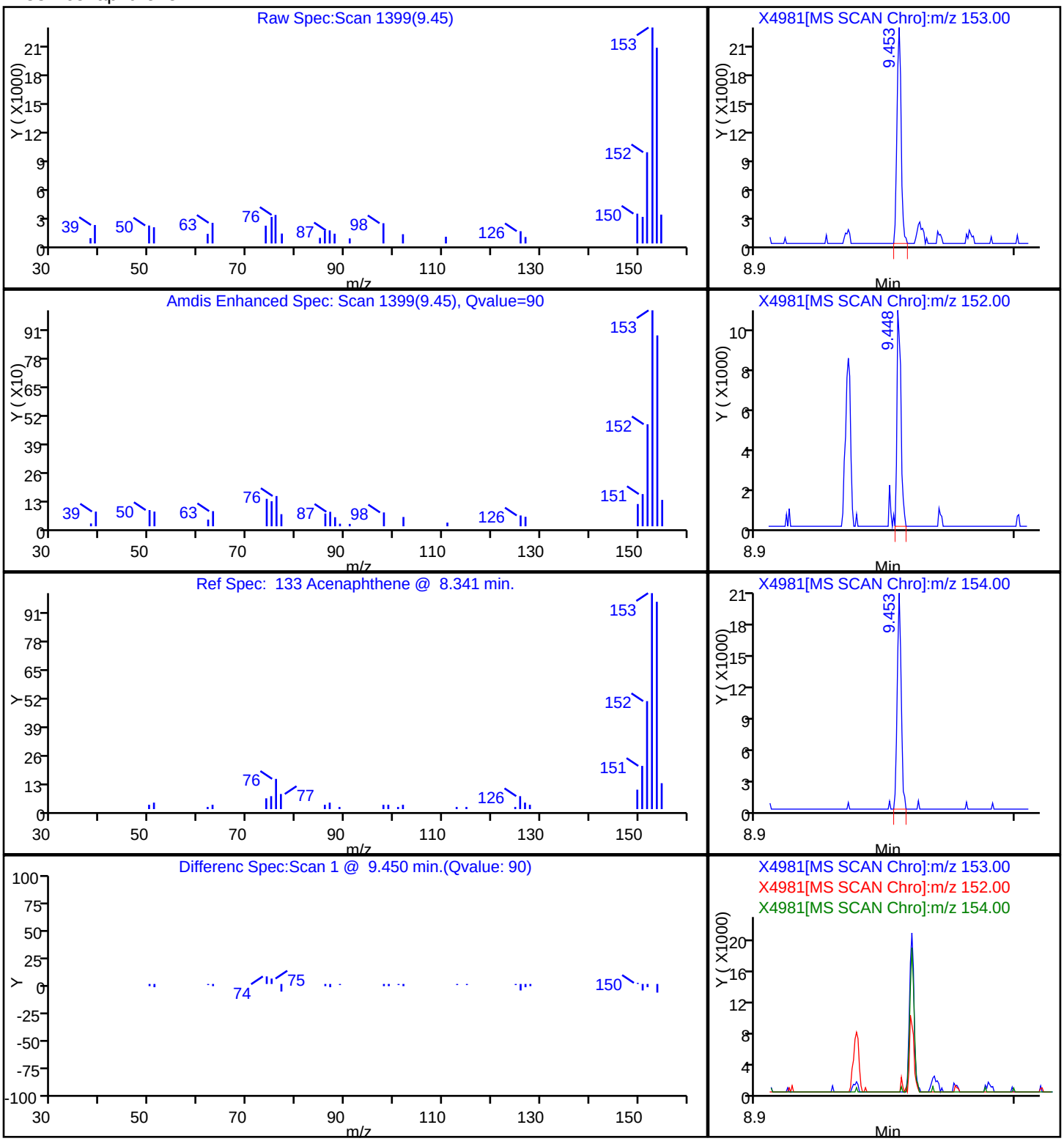


Report Date: 07-Apr-2012 11:36:42 Chrom Revision: 2.0 20-Feb-2012 13:27:02

Data File: \\Bufchrom\ChromData\HP5973X\20120406-10792.b\X4981.D

Injection Date:	07-Apr-2012 02:36:30	Limit Group:	MB - 8270C ICAL
Client ID:	RB-05 (0-6")	Instrument ID:	HP5973X
Lims Batch ID:	58507	Lims Sample ID:	31
Operator ID:	RMM	Injection Vol:	1.00 ul
Column Type:	RXI-5Sil MS	Column Dia:	0.25 mm

133 Acenaphthene

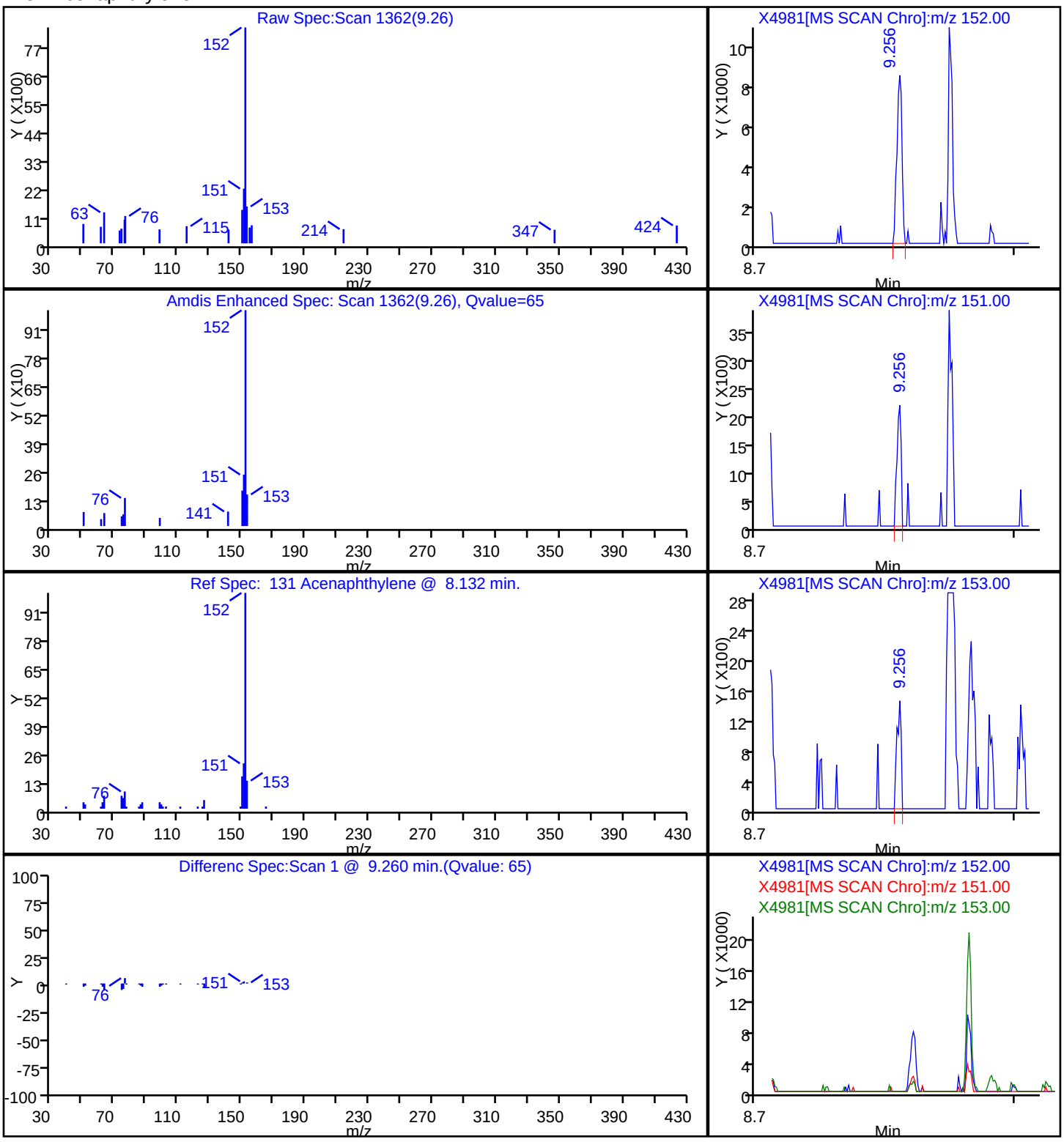


Report Date: 07-Apr-2012 11:36:42 Chrom Revision: 2.0 20-Feb-2012 13:27:02

Data File: \\Bufchrom\ChromData\HP5973X\20120406-10792.b\X4981.D

Injection Date:	07-Apr-2012 02:36:30	Limit Group:	MB - 8270C ICAL
Client ID:	RB-05 (0-6")	Instrument ID:	HP5973X
Lims Batch ID:	58507	Lims Sample ID:	31
Operator ID:	RMM	Injection Vol:	1.00 ul
Column Type:	RXI-5Sil MS	Column Dia:	0.25 mm

131 Acenaphthylene

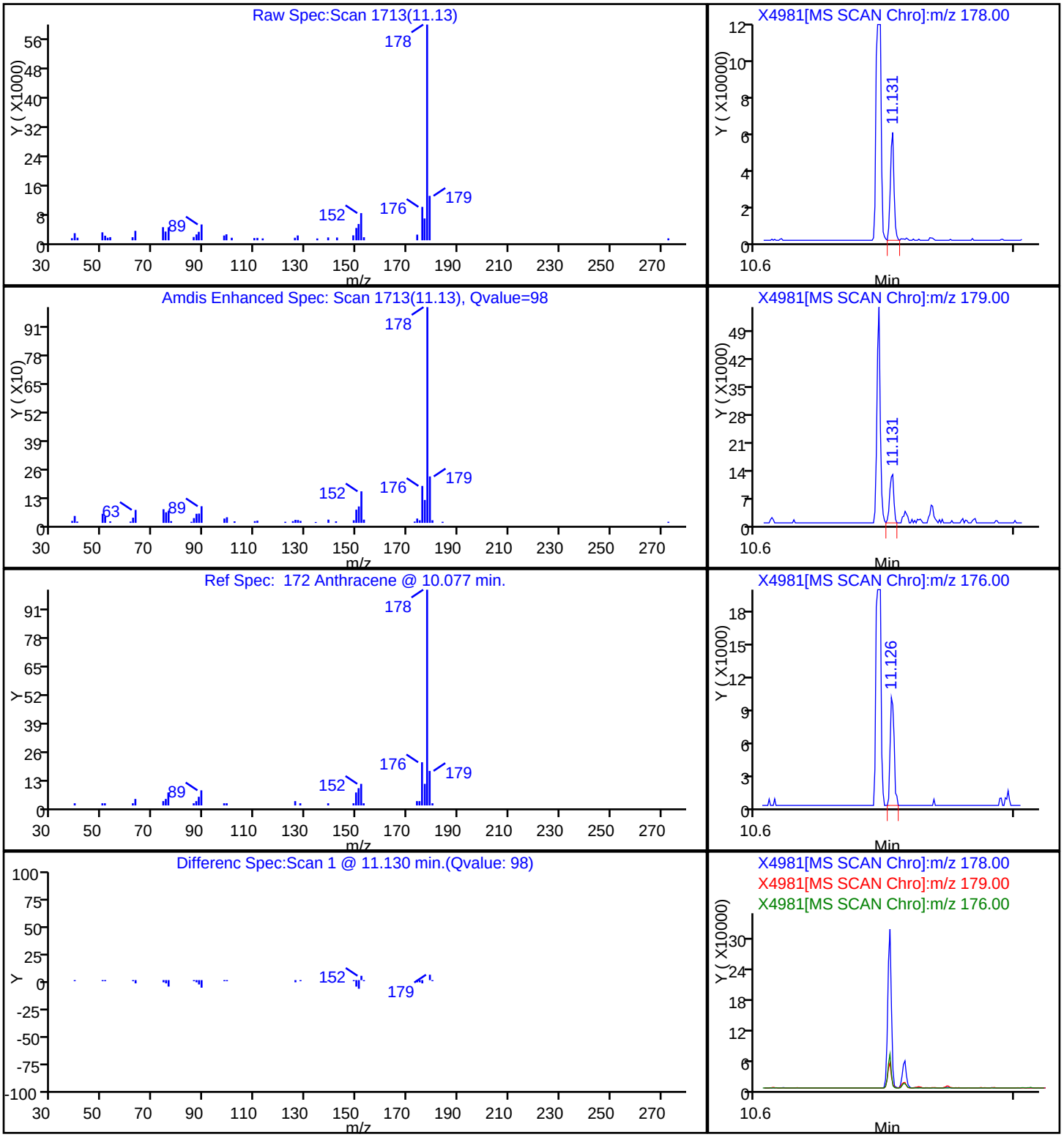


Report Date: 07-Apr-2012 11:36:42 Chrom Revision: 2.0 20-Feb-2012 13:27:02

Data File: \\Bufchrom\ChromData\HP5973X\20120406-10792.b\X4981.D

Injection Date:	07-Apr-2012 02:36:30	Limit Group:	MB - 8270C ICAL
Client ID:	RB-05 (0-6")	Instrument ID:	HP5973X
Lims Batch ID:	58507	Lims Sample ID:	31
Operator ID:	RMM	Injection Vol:	1.00 ul
Column Type:	RXI-5Sil MS	Column Dia:	0.25 mm

172 Anthracene

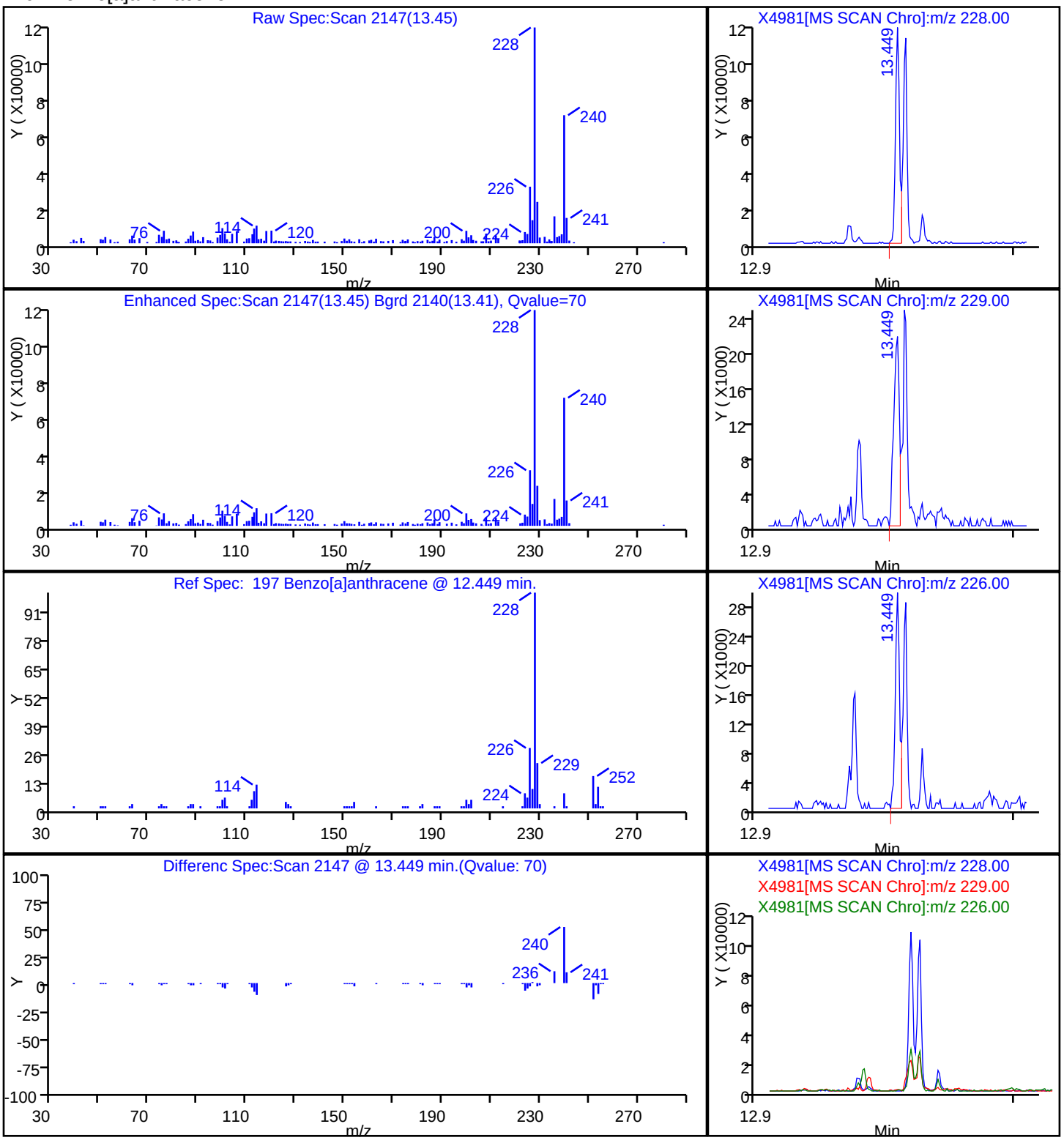


Report Date: 07-Apr-2012 11:36:42 Chrom Revision: 2.0 20-Feb-2012 13:27:02

Data File: \\Bufchrom\ChromData\HP5973X\20120406-10792.b\X4981.D

Injection Date:	07-Apr-2012 02:36:30	Limit Group:	MB - 8270C ICAL
Client ID:	RB-05 (0-6")	Instrument ID:	HP5973X
Lims Batch ID:	58507	Lims Sample ID:	31
Operator ID:	RMM	Injection Vol:	1.00 ul
Column Type:	RXI-5Sil MS	Column Dia:	0.25 mm

197 Benzo[a]anthracene



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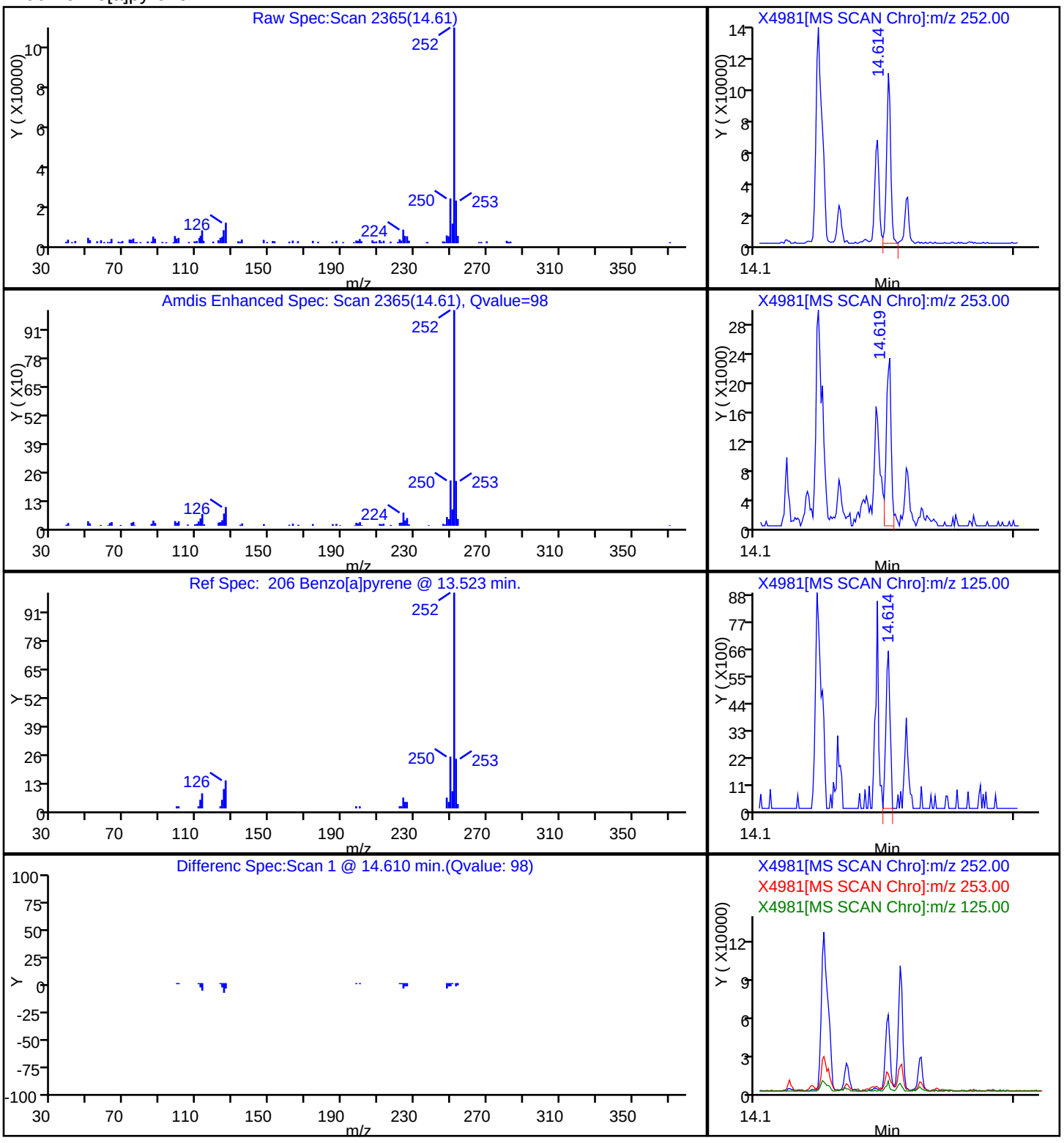
Data File:	\\Bufchrom\ChromData\HP5973X\20120406-10792.b\X4981.D		
Injection Date:	07-Apr-2012 02:36:30	Limit Group:	MB - 8270C ICAL
Client ID:	RB-05 (0-6")	Instrument ID:	HP5973X
Lims Batch ID:	58507	Lims Sample ID:	31
Operator ID:	RMM	Injection Vol:	1.00 ul
Column Type:	RXI-5Sil MS	Column Dia:	0.25 mm

206 Benzo[a]pyrene

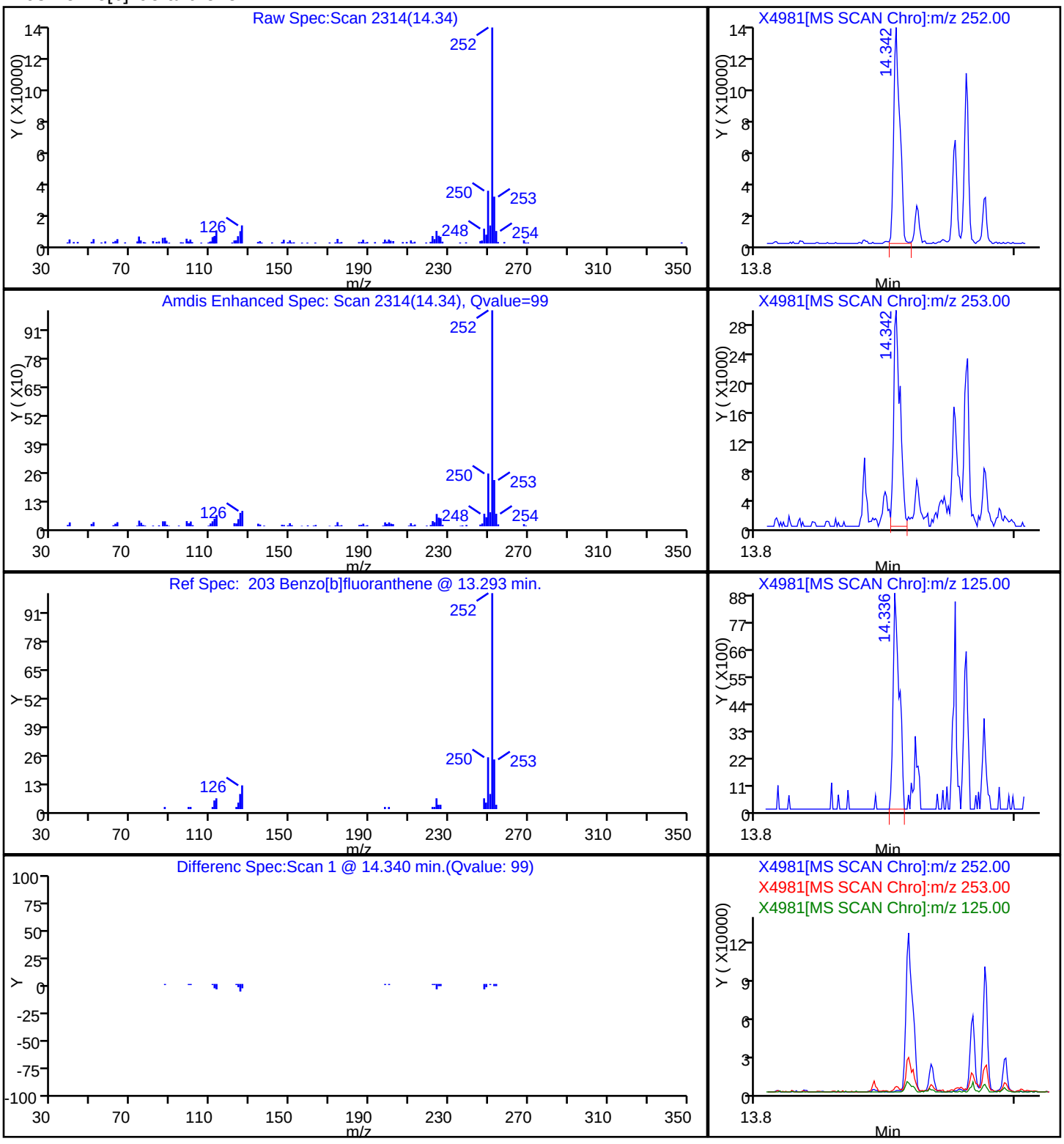


Report Date: 07-Apr-2012 11:36:42 Chrom Revision: 2.0 20-Feb-2012 13:27:02

Data File: \\Bufchrom\ChromData\HP5973X\20120406-10792.b\X4981.D

Injection Date:	07-Apr-2012 02:36:30	Limit Group:	MB - 8270C ICAL
Client ID:	RB-05 (0-6")	Instrument ID:	HP5973X
Lims Batch ID:	58507	Lims Sample ID:	31
Operator ID:	RMM	Injection Vol:	1.00 ul
Column Type:	RXI-5Sil MS	Column Dia:	0.25 mm

203 Benzo[b]fluoranthene

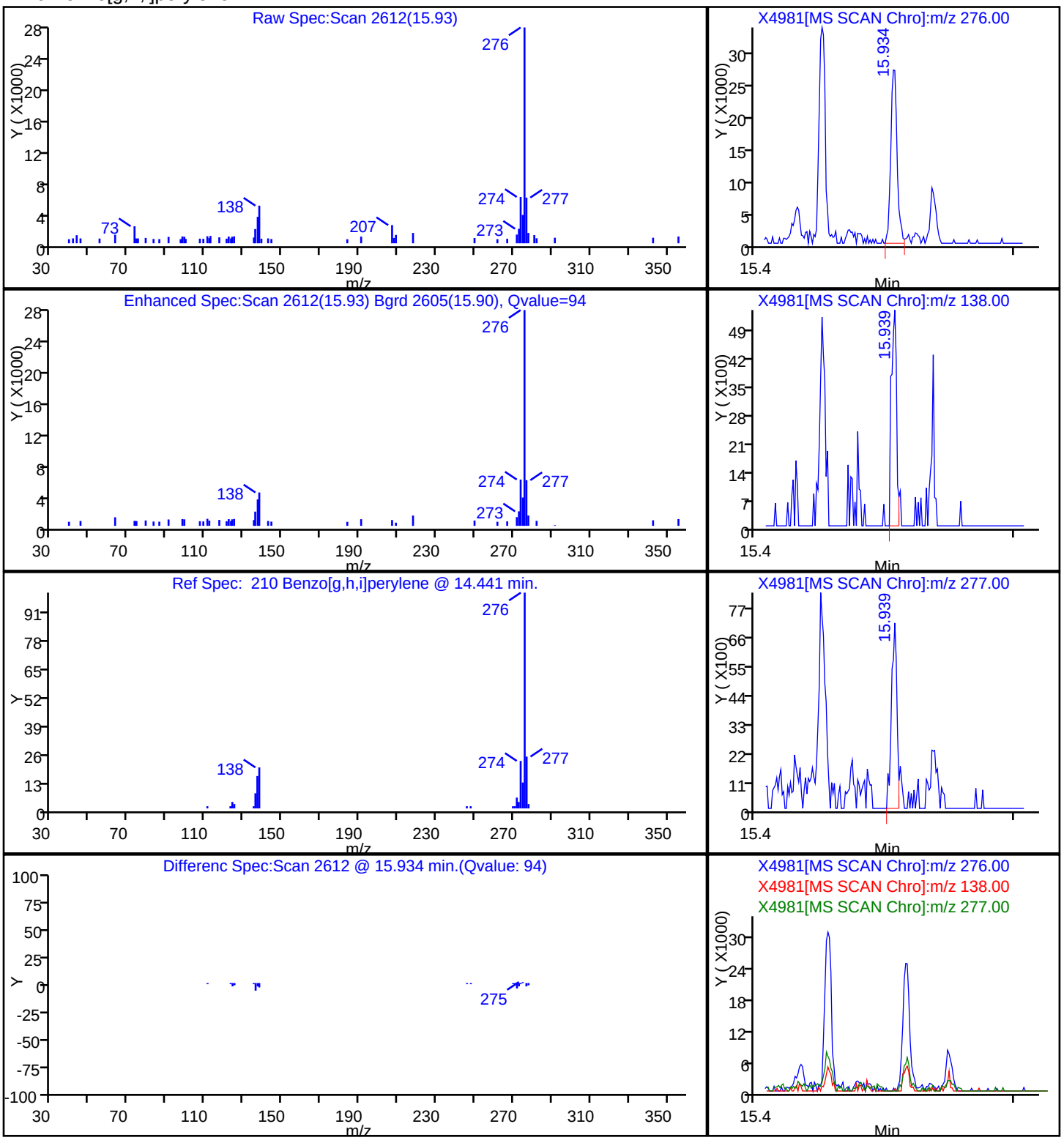


Report Date: 07-Apr-2012 11:36:42 Chrom Revision: 2.0 20-Feb-2012 13:27:02

Data File: \\Bufchrom\ChromData\HP5973X\20120406-10792.b\X4981.D

Injection Date:	07-Apr-2012 02:36:30	Limit Group:	MB - 8270C ICAL
Client ID:	RB-05 (0-6")	Instrument ID:	HP5973X
Lims Batch ID:	58507	Lims Sample ID:	31
Operator ID:	RMM	Injection Vol:	1.00 ul
Column Type:	RXI-5Sil MS	Column Dia:	0.25 mm

210 Benzo[g,h,i]perylene

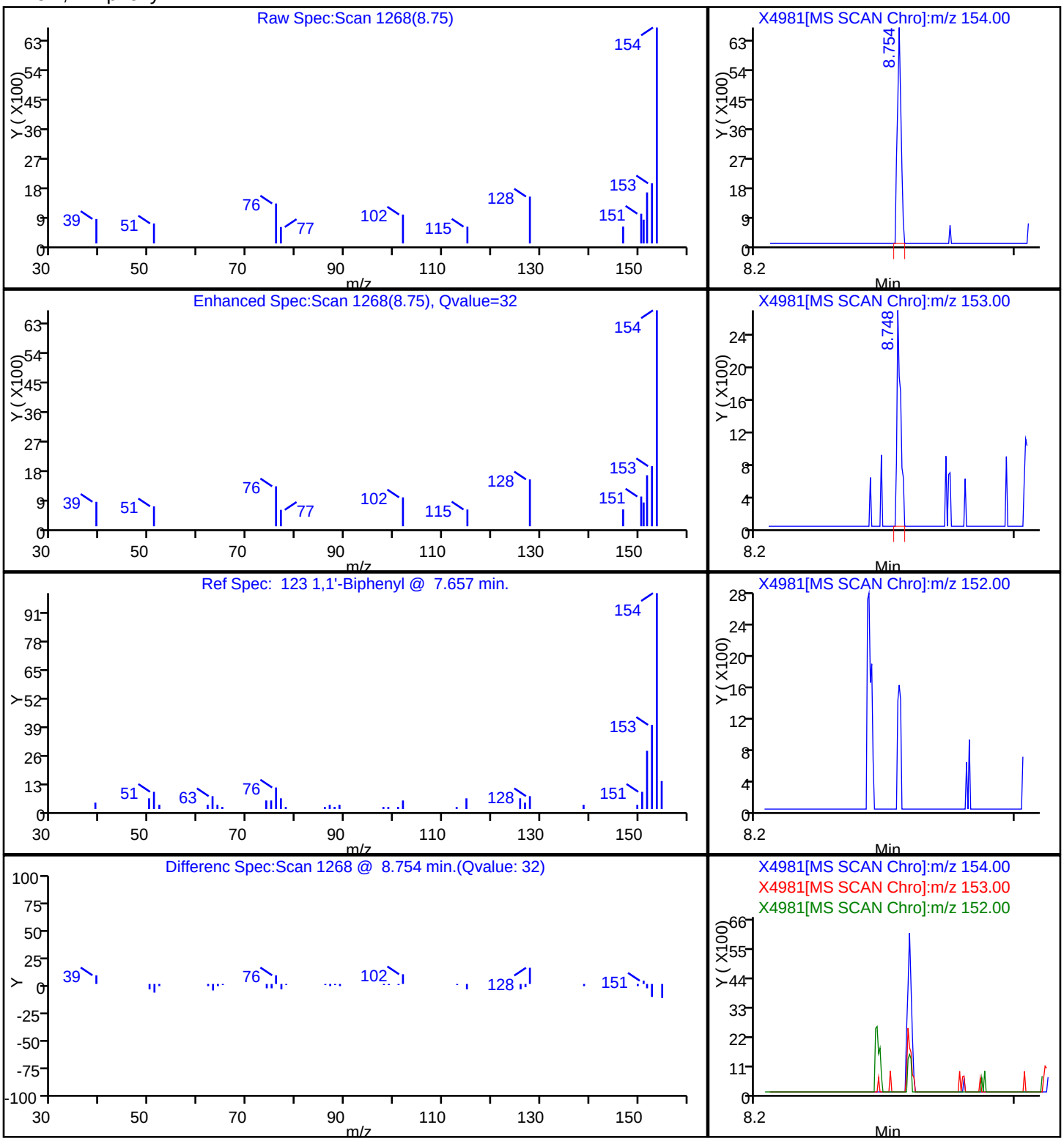


Report Date: 07-Apr-2012 11:36:42 Chrom Revision: 2.0 20-Feb-2012 13:27:02

Data File: \\Bufchrom\ChromData\HP5973X\20120406-10792.b\X4981.D

Injection Date:	07-Apr-2012 02:36:30	Limit Group:	MB - 8270C ICAL
Client ID:	RB-05 (0-6")	Instrument ID:	HP5973X
Lims Batch ID:	58507	Lims Sample ID:	31
Operator ID:	RMM	Injection Vol:	1.00 ul
Column Type:	RXI-5Sil MS	Column Dia:	0.25 mm

123 1,1'-Biphenyl

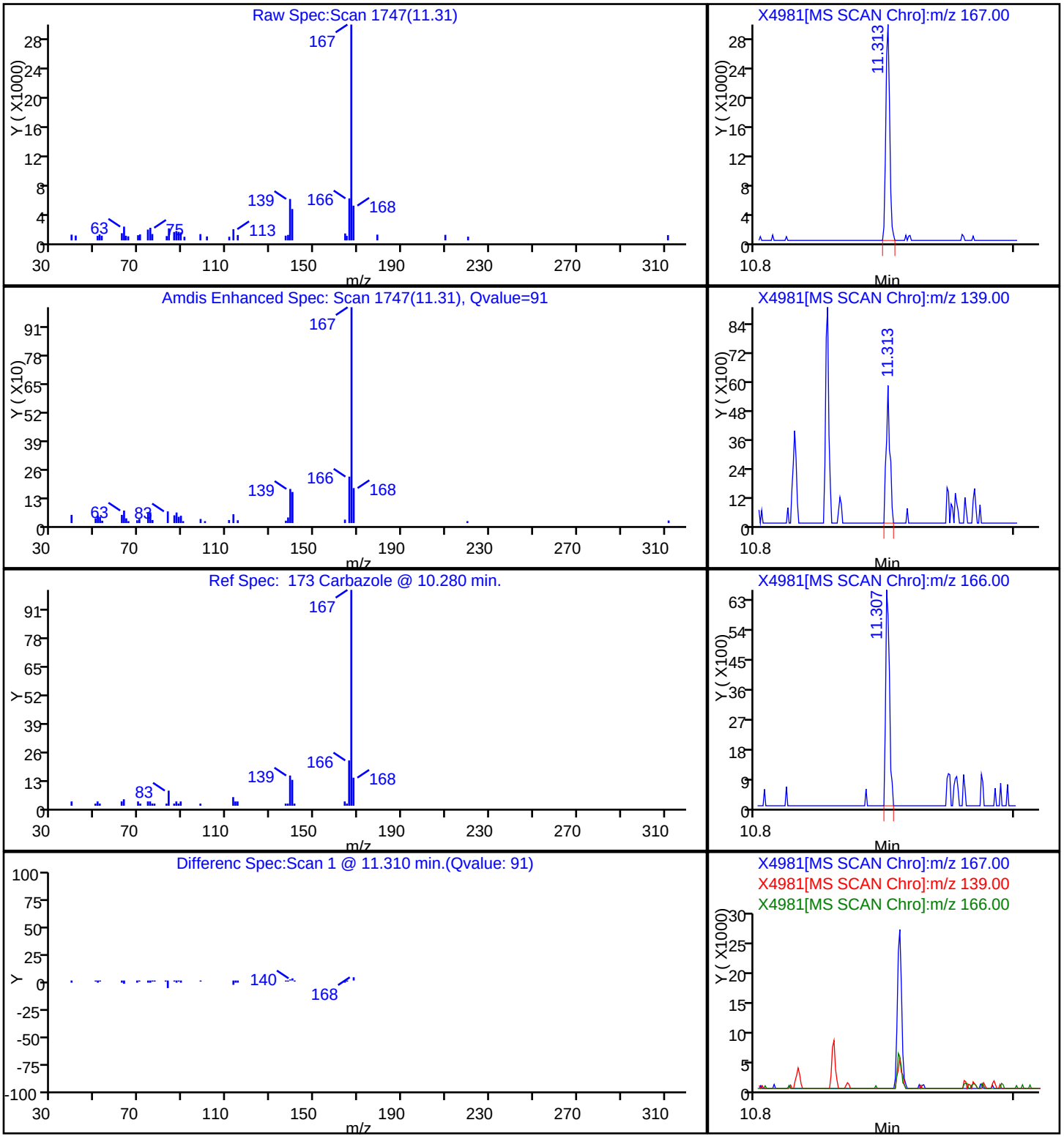


Report Date: 07-Apr-2012 11:36:42 Chrom Revision: 2.0 20-Feb-2012 13:27:02

Data File: \\Bufchrom\ChromData\HP5973X\20120406-10792.b\X4981.D

Injection Date:	07-Apr-2012 02:36:30	Limit Group:	MB - 8270C ICAL
Client ID:	RB-05 (0-6")	Instrument ID:	HP5973X
Lims Batch ID:	58507	Lims Sample ID:	31
Operator ID:	RMM	Injection Vol:	1.00 ul
Column Type:	RXI-5Sil MS	Column Dia:	0.25 mm

173 Carbazole

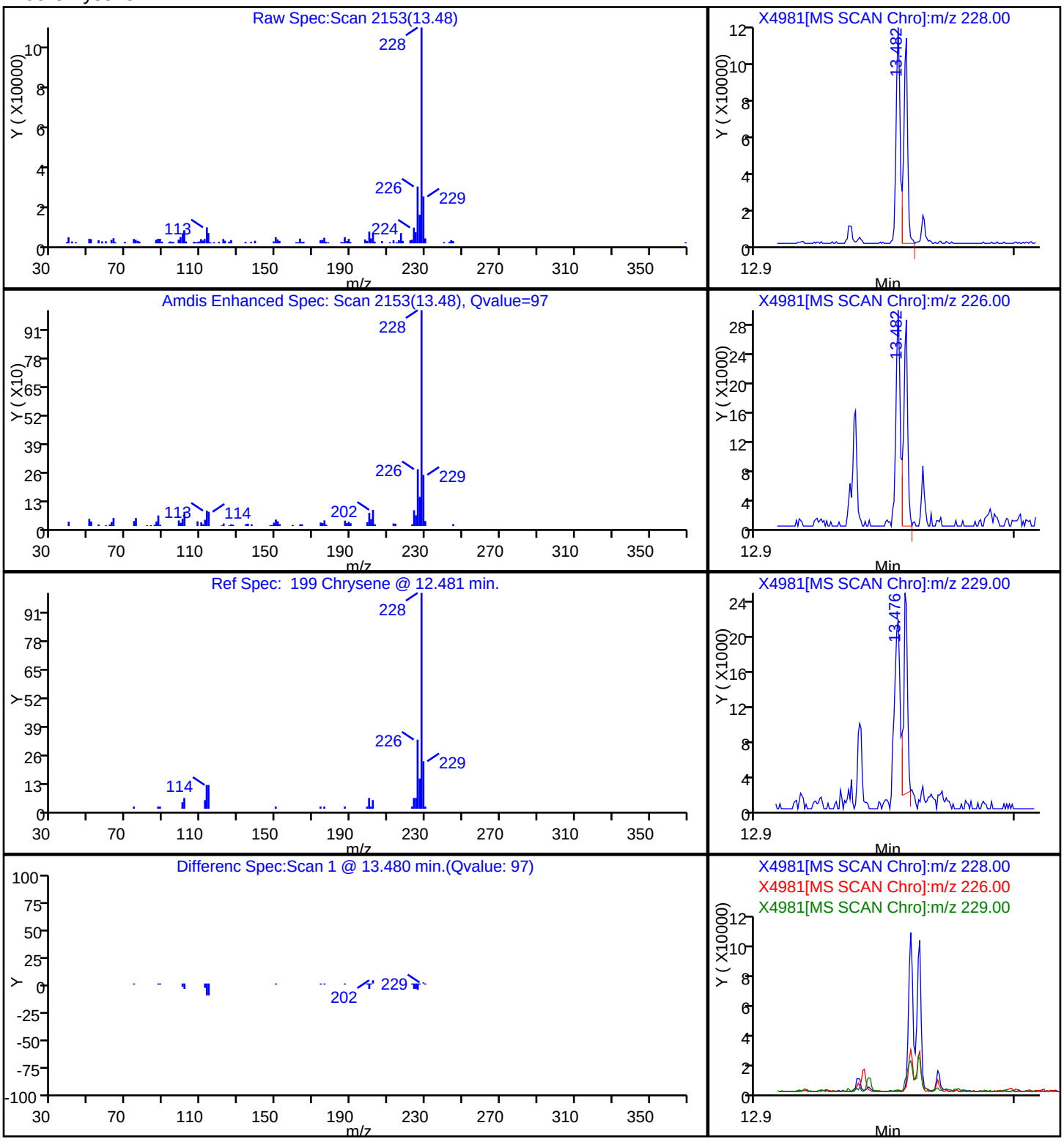


Report Date: 07-Apr-2012 11:36:42 Chrom Revision: 2.0 20-Feb-2012 13:27:02

Data File: \\Bufchrom\ChromData\HP5973X\20120406-10792.b\X4981.D

Injection Date:	07-Apr-2012 02:36:30	Limit Group:	MB - 8270C ICAL
Client ID:	RB-05 (0-6")	Instrument ID:	HP5973X
Lims Batch ID:	58507	Lims Sample ID:	31
Operator ID:	RMM	Injection Vol:	1.00 ul
Column Type:	RXI-5Sil MS	Column Dia:	0.25 mm

199 Chrysene



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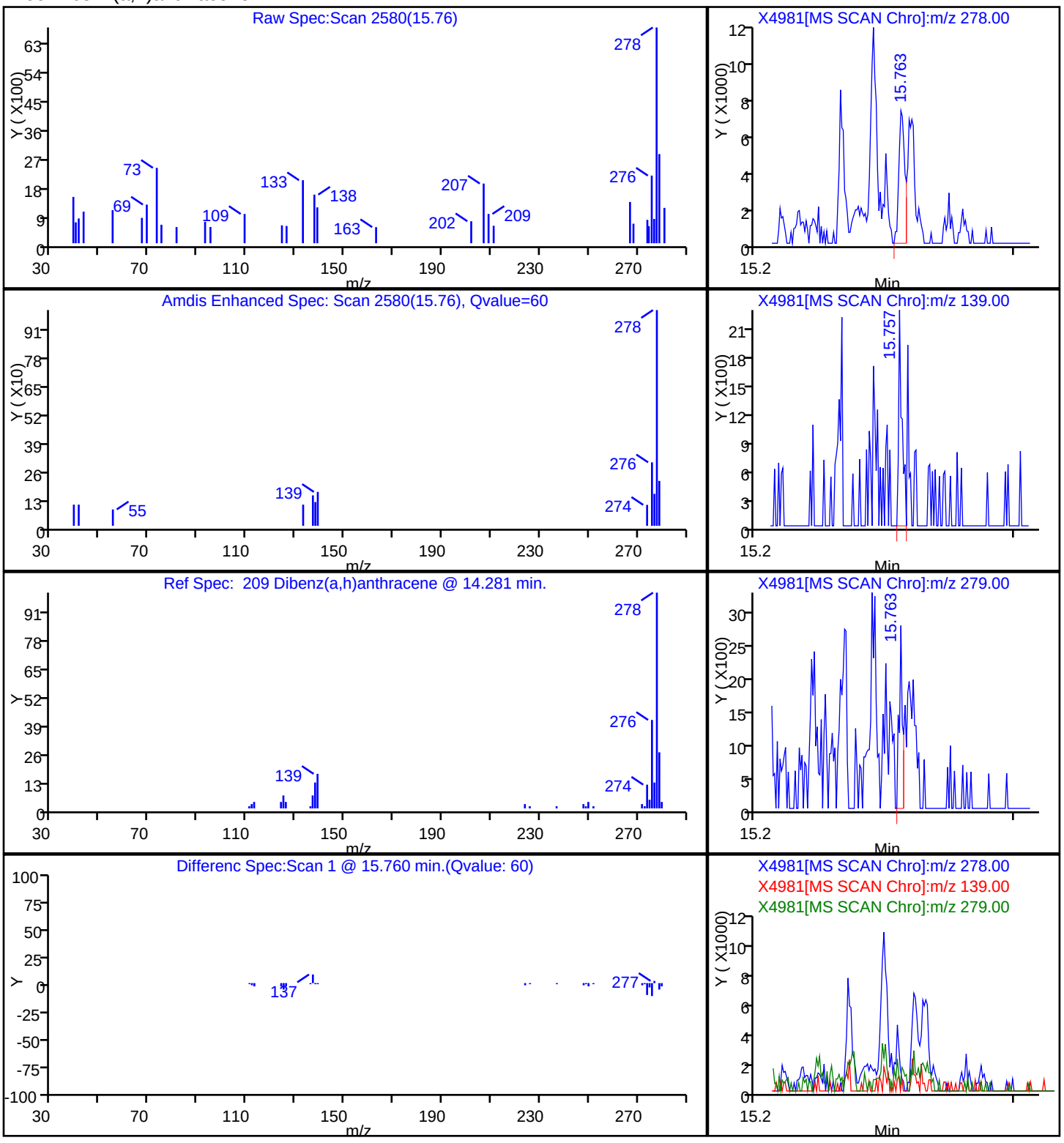
Injection Date:	07-Apr-2012 02:36:30	Limit Group:	MB - 8270C ICAL
Client ID:	RB-05 (0-6")	Instrument ID:	HP5973X
Lims Batch ID:	58507	Lims Sample ID:	31
Operator ID:	RMM	Injection Vol:	1.00 ul
Column Type:	RXI-5Sil MS	Column Dia:	0.25 mm

209 Dibenz(a,h)anthracene

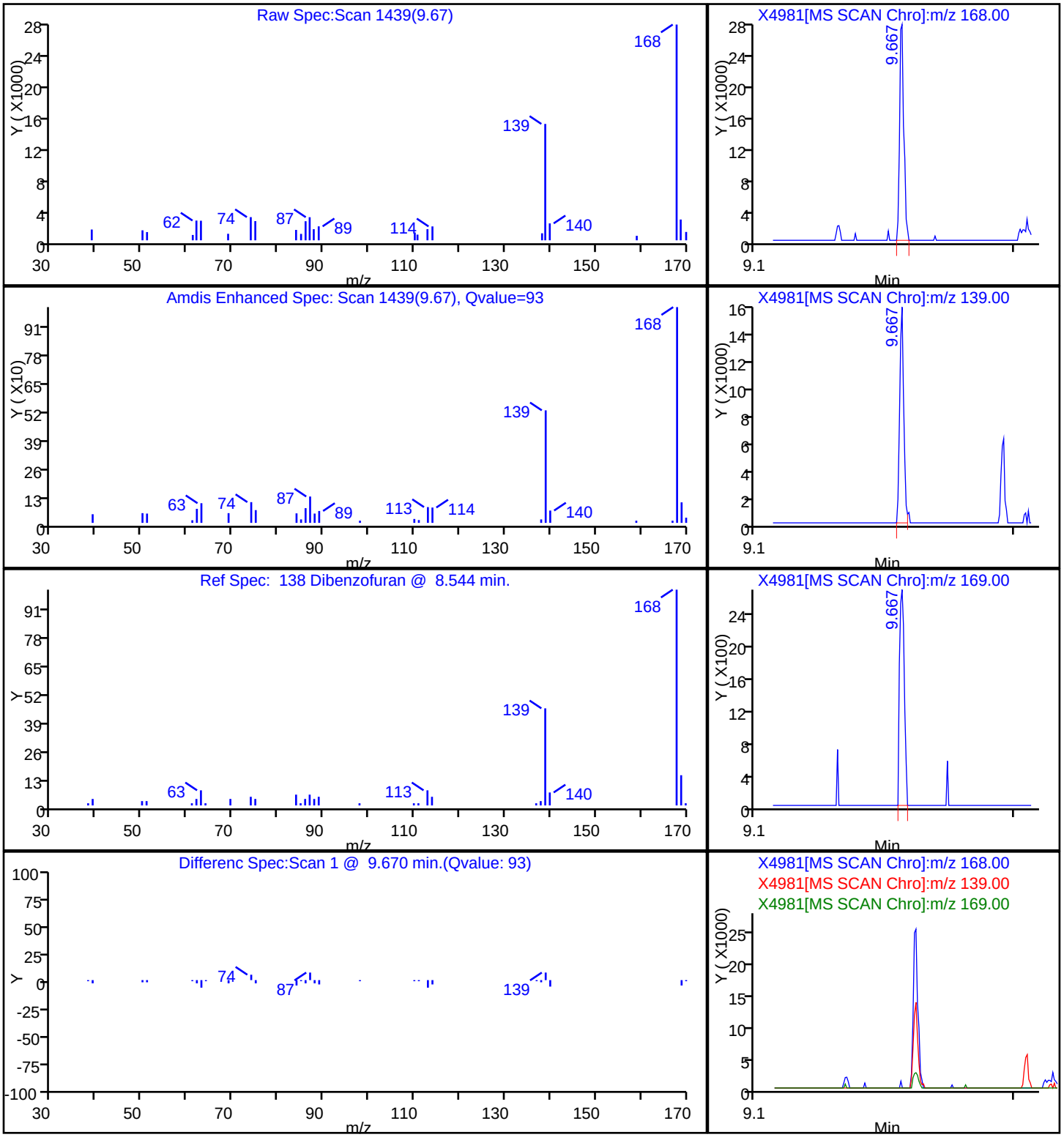


Report Date: 07-Apr-2012 11:36:42 Chrom Revision: 2.0 20-Feb-2012 13:27:02

Data File: \\Bufchrom\ChromData\HP5973X\20120406-10792.b\X4981.D

Injection Date:	07-Apr-2012 02:36:30	Limit Group:	MB - 8270C ICAL
Client ID:	RB-05 (0-6")	Instrument ID:	HP5973X
Lims Batch ID:	58507	Lims Sample ID:	31
Operator ID:	RMM	Injection Vol:	1.00 ul
Column Type:	RXI-5Sil MS	Column Dia:	0.25 mm

138 Dibenzofuran



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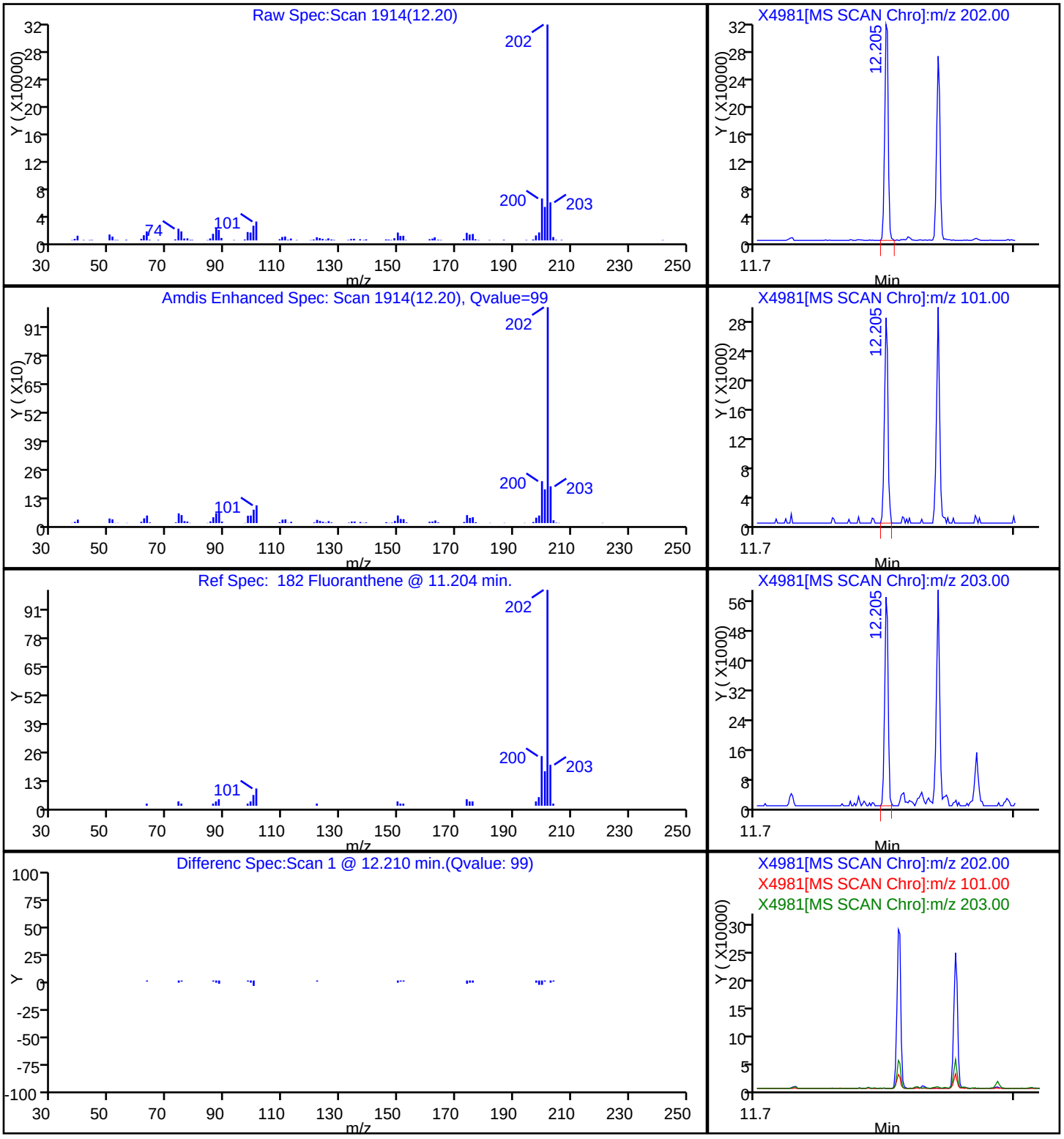
Data File: \\Bufchrom\ChromData\HP5973X\20120406-10792.b\X4981.D

Injection Date:	07-Apr-2012 02:36:30	Limit Group:	MB - 8270C ICAL
Client ID:	RB-05 (0-6")	Instrument ID:	HP5973X
Lims Batch ID:	58507	Lims Sample ID:	31
Operator ID:	RMM	Injection Vol:	1.00 ul
Column Type:	RXI-5Sil MS	Column Dia:	0.25 mm

182 Fluoranthene



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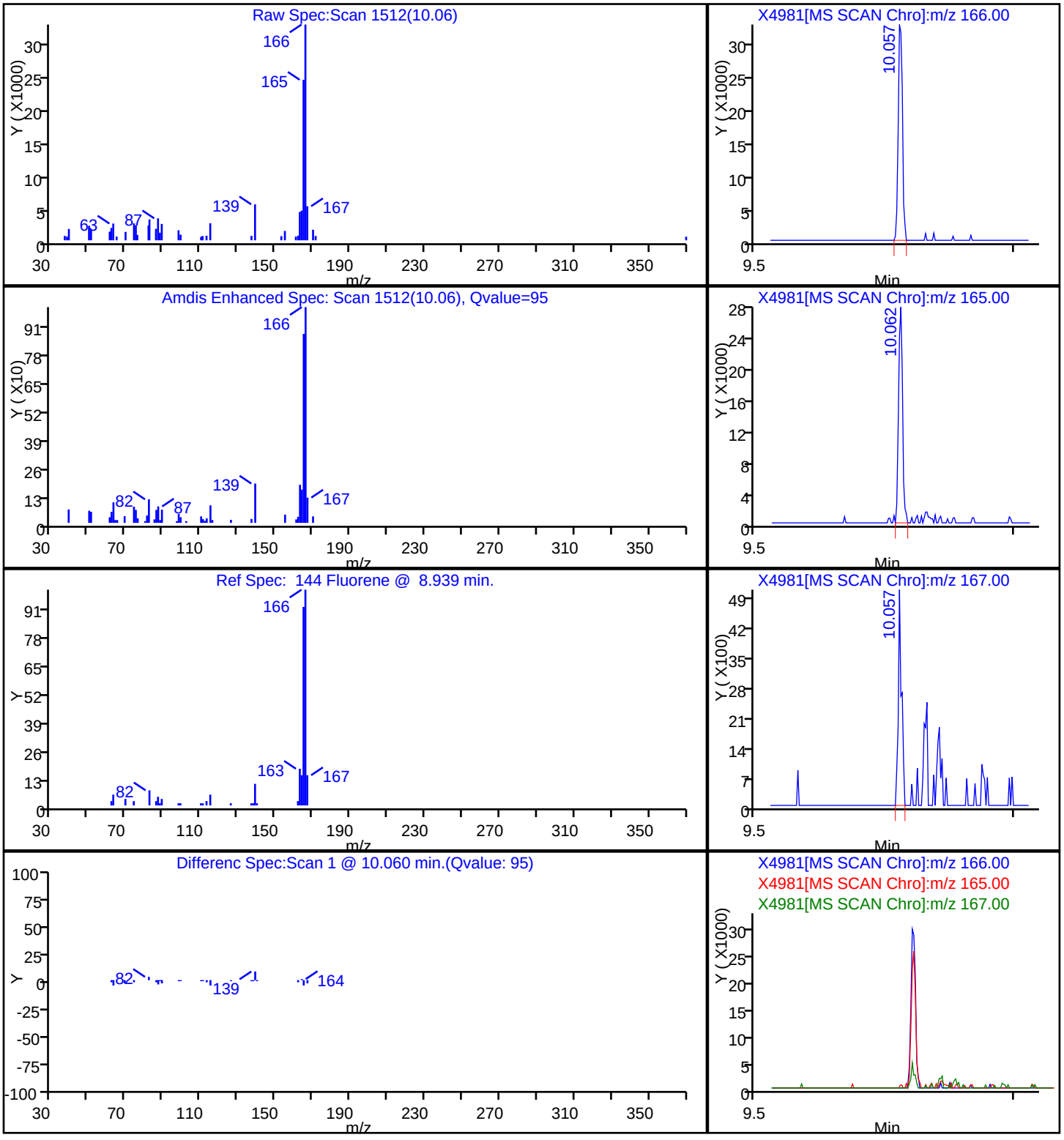
Injection Date:	07-Apr-2012 02:36:30	Limit Group:	MB - 8270C ICAL
Client ID:	RB-05 (0-6")	Instrument ID:	HP5973X
Lims Batch ID:	58507	Lims Sample ID:	31
Operator ID:	RMM	Injection Vol:	1.00 ul
Column Type:	RXI-5Sil MS	Column Dia:	0.25 mm

144 Fluorene



Report Date: 07-Apr-2012 11:36:42 Chrom Revision: 2.0 20-Feb-2012 13:27:02

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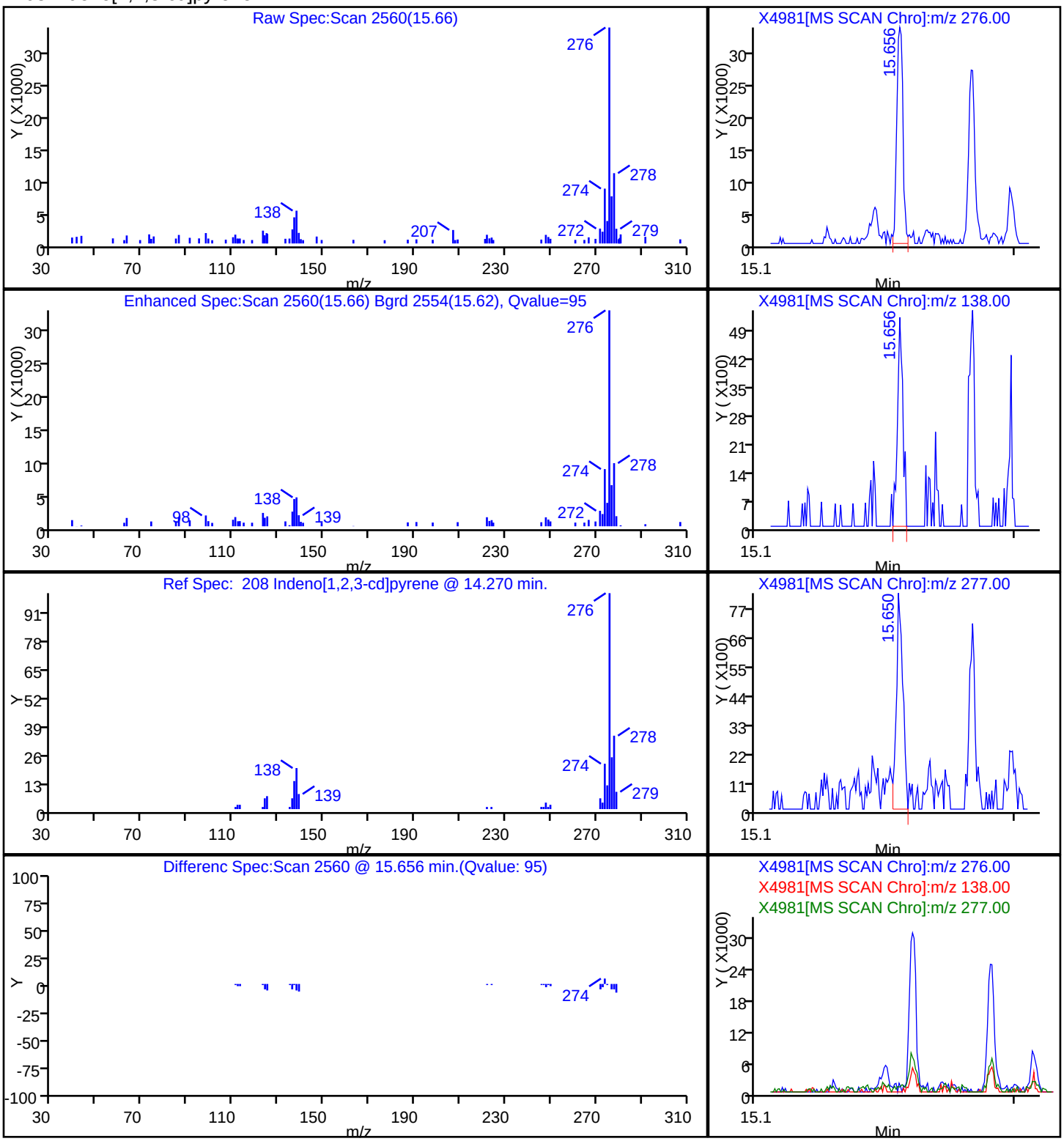
Injection Date:	07-Apr-2012 02:36:30	Limit Group:	MB - 8270C ICAL
Client ID:	RB-05 (0-6")	Instrument ID:	HP5973X
Lims Batch ID:	58507	Lims Sample ID:	31
Operator ID:	RMM	Injection Vol:	1.00 ul
Column Type:	RXI-5Sil MS	Column Dia:	0.25 mm

208 Indeno[1,2,3-cd]pyrene

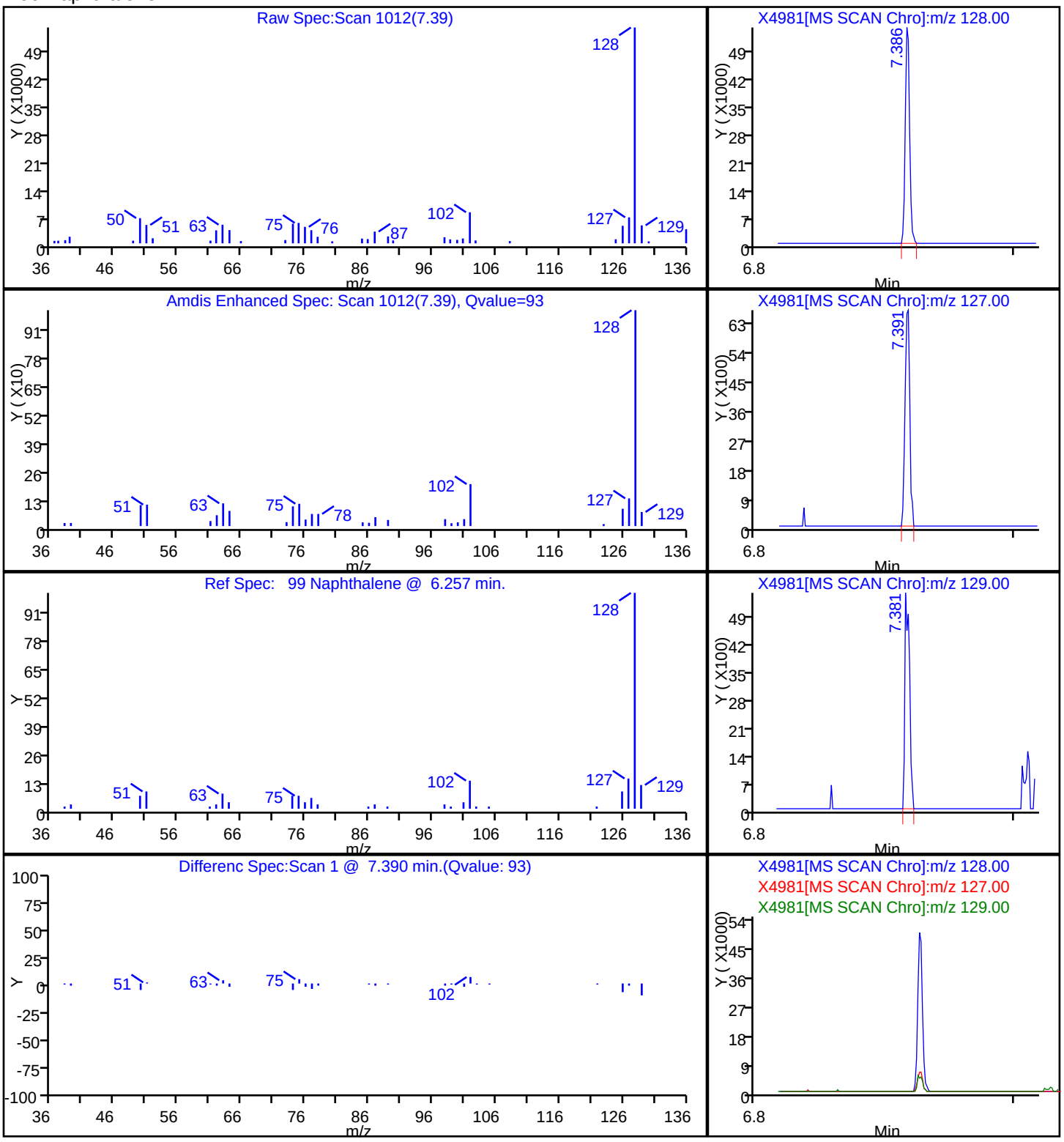


Report Date: 07-Apr-2012 11:36:42 Chrom Revision: 2.0 20-Feb-2012 13:27:02

Data File: \\Bufchrom\ChromData\HP5973X\20120406-10792.b\X4981.D

Injection Date:	07-Apr-2012 02:36:30	Limit Group:	MB - 8270C ICAL
Client ID:	RB-05 (0-6")	Instrument ID:	HP5973X
Lims Batch ID:	58507	Lims Sample ID:	31
Operator ID:	RMM	Injection Vol:	1.00 ul
Column Type:	RXI-5Sil MS	Column Dia:	0.25 mm

99 Naphthalene



Report Date: 07-Apr-2012 11:36:42 Chrom Revision: 2.0 20-Feb-2012 13:27:02

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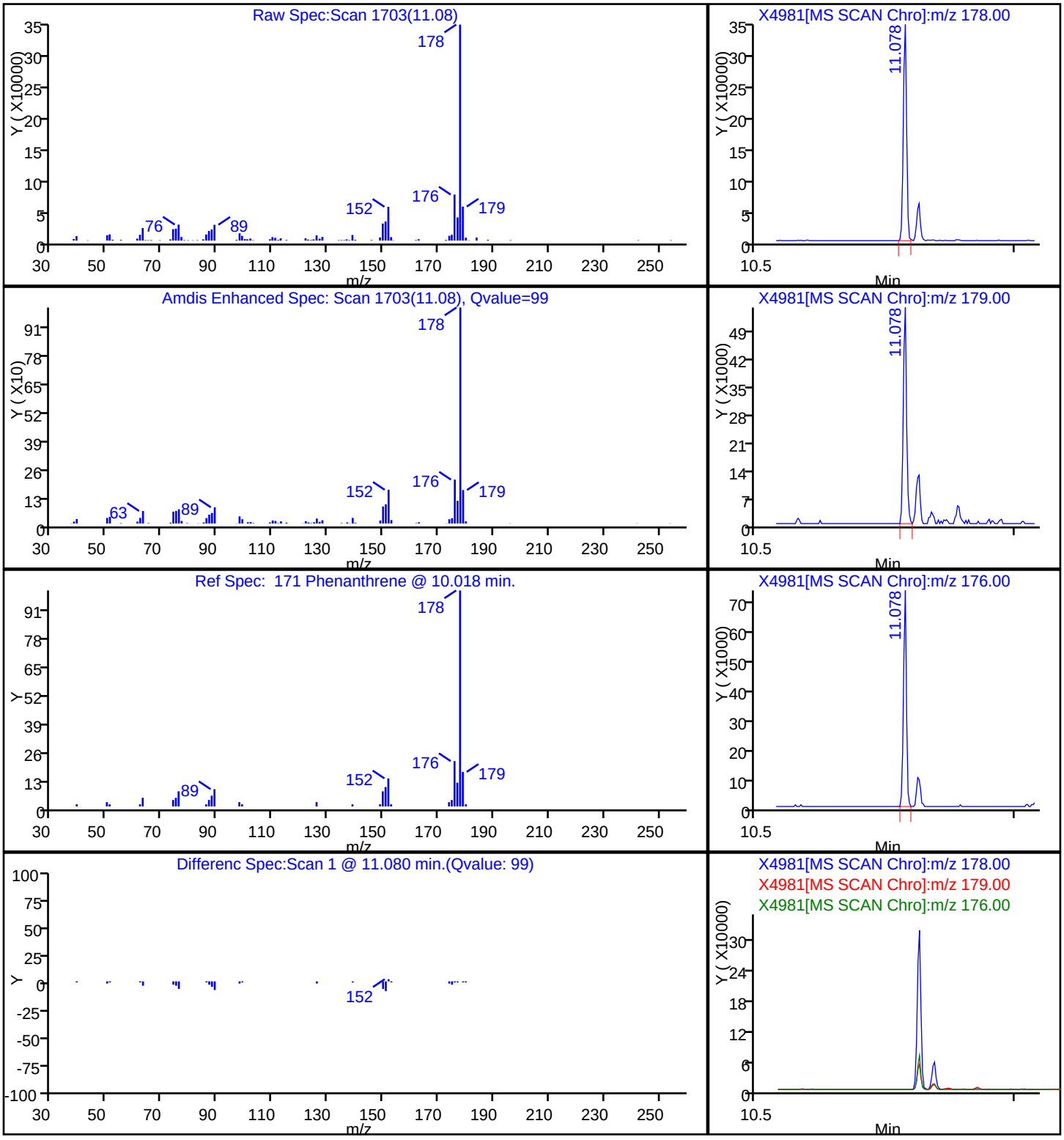
Injection Date:	07-Apr-2012 02:36:30	Limit Group:	MB - 8270C ICAL
Client ID:	RB-05 (0-6")	Instrument ID:	HP5973X
Lims Batch ID:	58507	Lims Sample ID:	31
Operator ID:	RMM	Injection Vol:	1.00 ul
Column Type:	RXI-5Sil MS	Column Dia:	0.25 mm

171 Phenanthrene

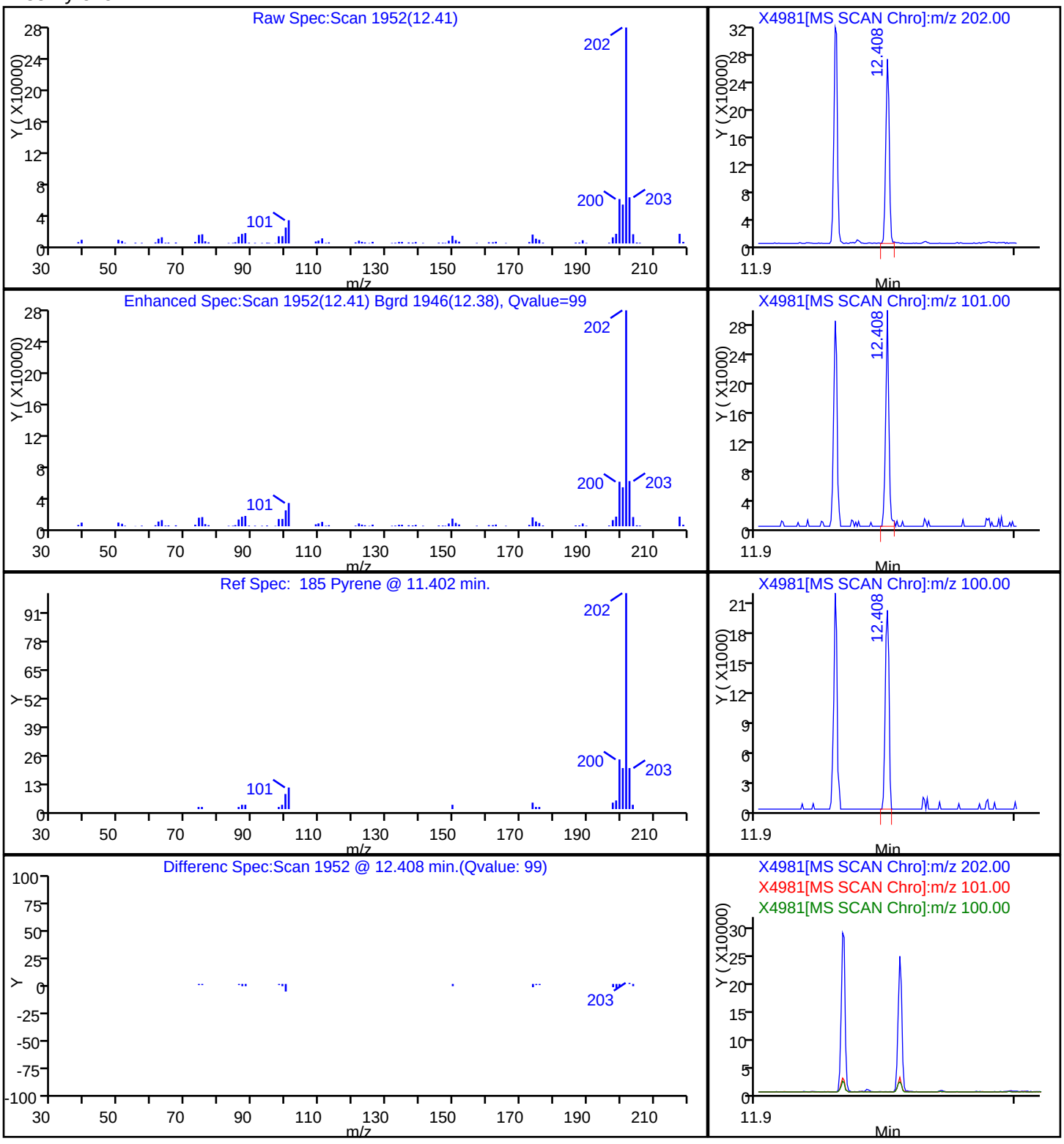


Report Date: 07-Apr-2012 11:36:42 Chrom Revision: 2.0 20-Feb-2012 13:27:02

Data File: \\Bufchrom\ChromData\HP5973X\20120406-10792.b\X4981.D

Injection Date:	07-Apr-2012 02:36:30	Limit Group:	MB - 8270C ICAL
Client ID:	RB-05 (0-6")	Instrument ID:	HP5973X
Lims Batch ID:	58507	Lims Sample ID:	31
Operator ID:	RMM	Injection Vol:	1.00 ul
Column Type:	RXI-5Sil MS	Column Dia:	0.25 mm

185 Pyrene



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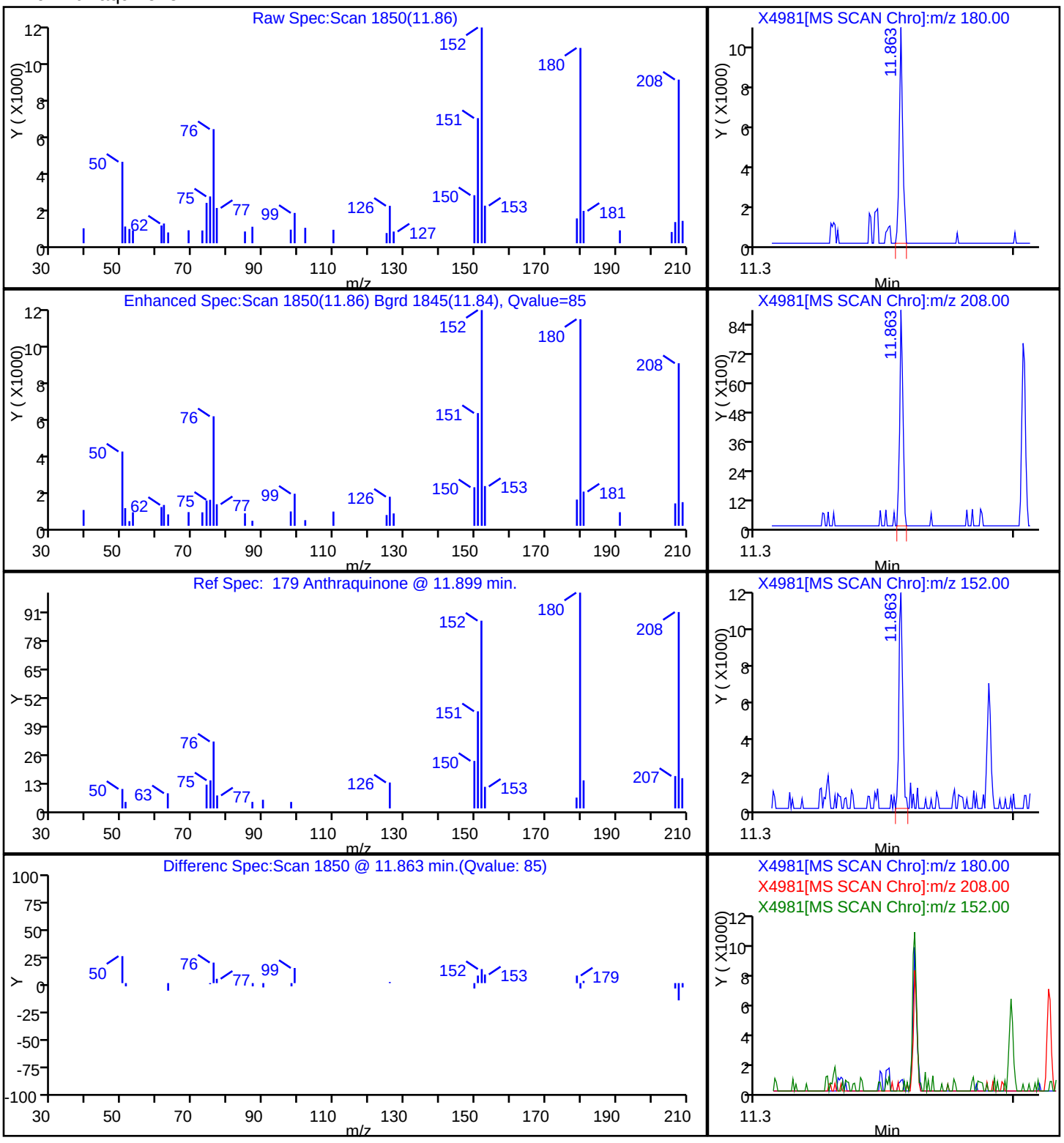
Data File: \\Bufchrom\ChromData\HP5973X\20120406-10792.b\X4981.D

Injection Date:	07-Apr-2012 02:36:30	Limit Group:	MB - 8270C ICAL
Client ID:	RB-05 (0-6")	Instrument ID:	HP5973X
Lims Batch ID:	58507	Lims Sample ID:	31
Operator ID:	RMM	Injection Vol:	1.00 ul
Column Type:	RXI-5Sil MS	Column Dia:	0.25 mm

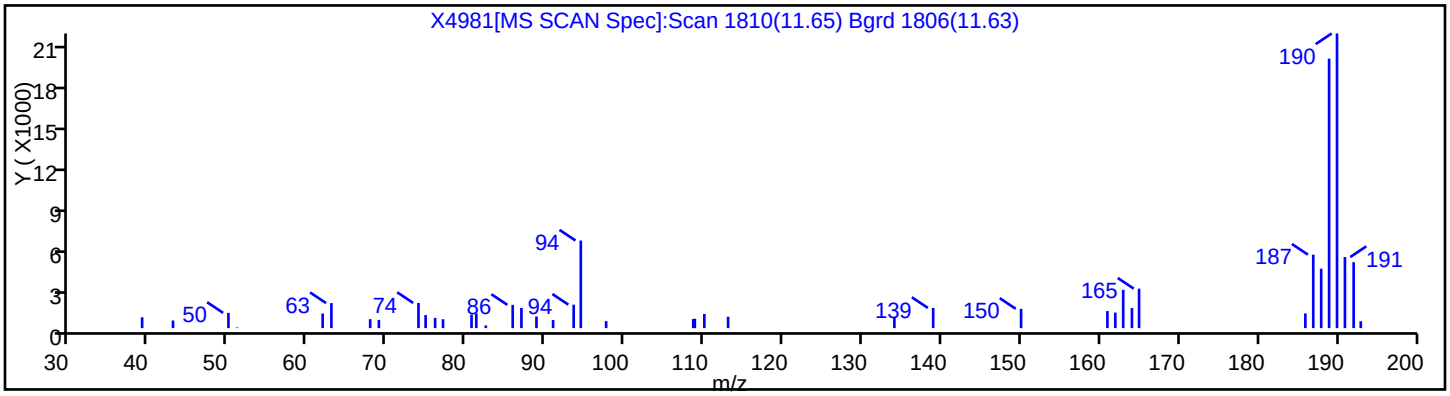
179 Anthraquinone



Report Date: 07-Apr-2012 11:36:42 Chrom Revision: 2.0 20-Feb-2012 13:27:02

Data File:	\\Bufchrom\ChromData\HP5973X\20120406-10792.b\X4981.D		
Injection Date:	07-Apr-2012 02:36:30	Limit Group:	MB - 8270C ICAL
Client ID:	RB-05 (0-6")	Instrument ID:	HP5973X
Lims Batch ID:	58507	Lims Sample ID:	31
Operator ID:	RMM	Injection Vol:	1.00 ul
Column Type:	RXI-5Sil MS	Column Dia:	0.25 mm

No Library Matches Found above the Threshold: 85



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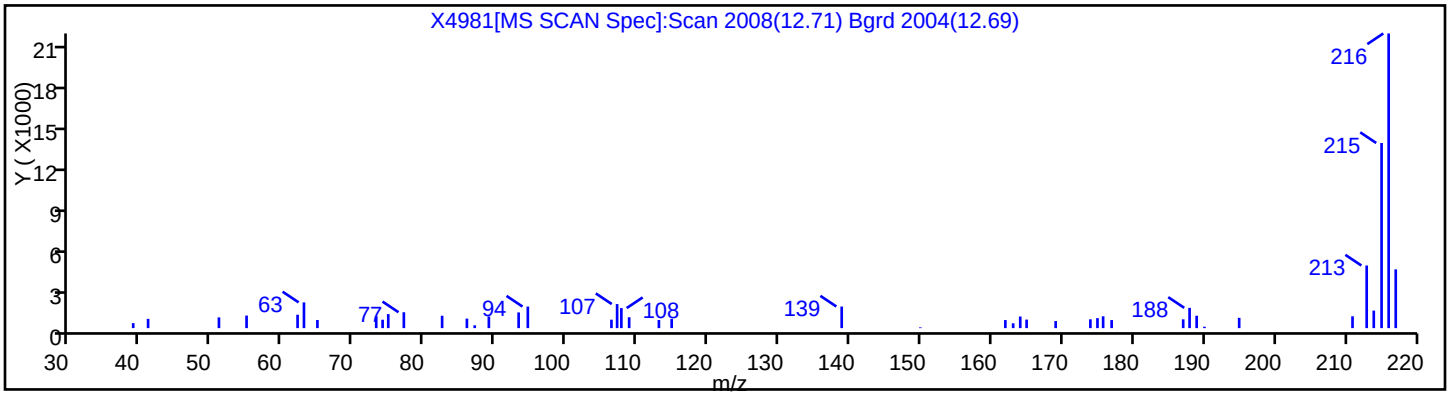
Data File:	\\Bufchrom\ChromData\HP5973X\20120406-10792.b\X4981.D		
Injection Date:	07-Apr-2012 02:36:30	Limit Group:	MB - 8270C ICAL
Client ID:	RB-05 (0-6")	Instrument ID:	HP5973X
Lims Batch ID:	58507	Lims Sample ID:	31
Operator ID:	RMM	Injection Vol:	1.00 ul
Column Type:	RXI-5Sil MS	Column Dia:	0.25 mm

No Library Matches Found above the Threshold: 85



Report Date: 07-Apr-2012 11:36:42 Chrom Revision: 2.0 20-Feb-2012 13:27:02
Data File: \\Bufchrom\ChromData\HP5973X\20120406-10792.b\X4981.D
Injection Date: 07-Apr-2012 02:36:30 Limit Group: MB - 8270C ICAL
Client ID: RB-05 (0-6") Instrument ID: HP5973X
Lims Batch ID: 58507 Lims Sample ID: 31
Operator ID: RMM Injection Vol: 1.00 ul
Column Type: RXI-5Sil MS Column Dia: 0.25 mm

Library Search Compound Match	CAS Number	Library	Entry	Quality
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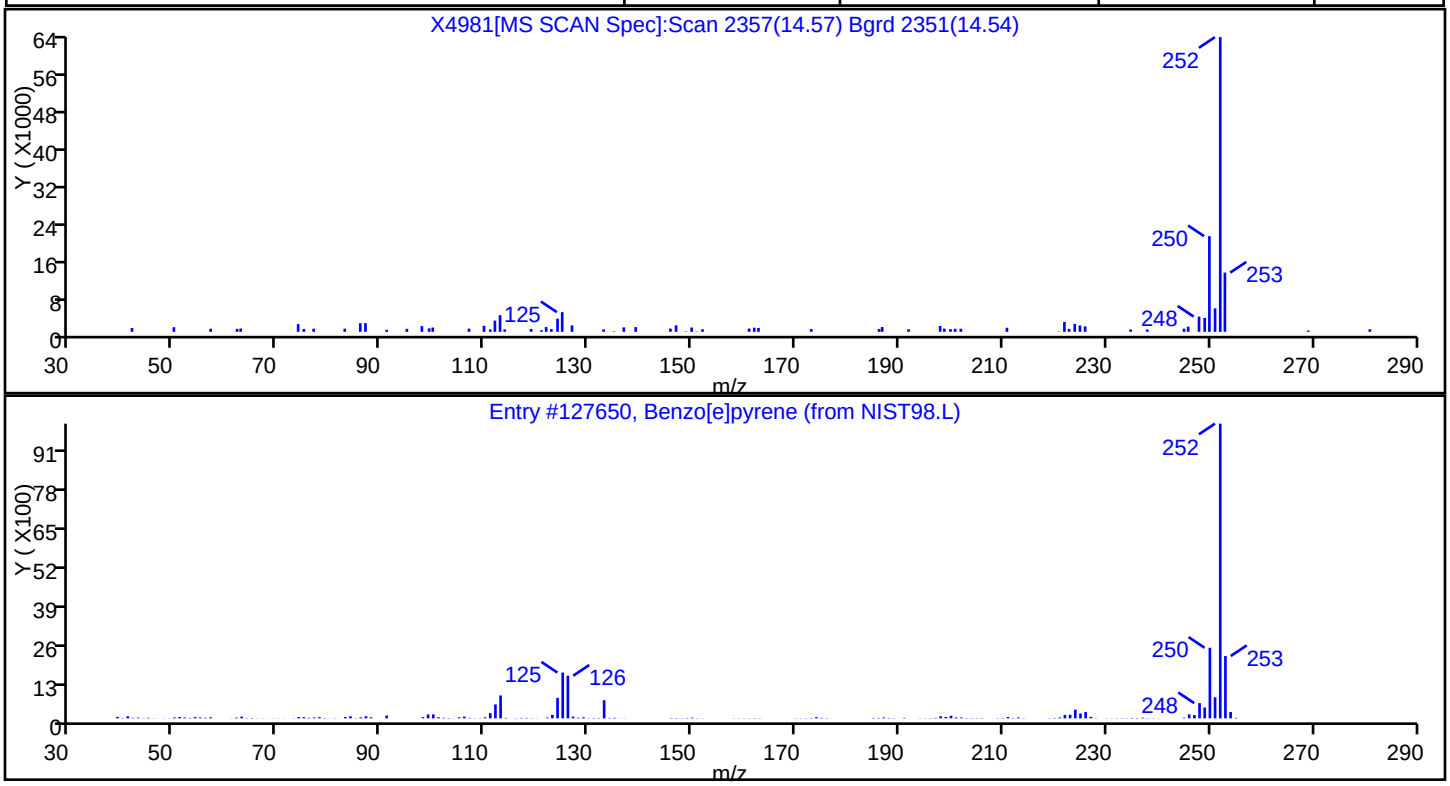


FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Buffalo | Job No.: 480-18068-1

SDG No.:

Client Sample ID: RB-05 (6"-12" | Lab Sample ID: 480-18068-8

Matrix: Solid | Lab File ID: X5094.D

Analysis Method: 8270C | Date Collected: 04/02/2012 15:10

Extract. Method: 3550B | Date Extracted: 04/05/2012 10:44

Sample wt/vol: +30.68(g) | Date Analyzed: 04/09/2012 19:04

Con. Extract Vol.: 1(mL) | Dilution Factor: 5

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

% Moisture: 12.7 | GPC Cleanup:(Y/N) N

Analysis Batch No.: 58786 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
95-95-4	2,4,5-Trichlorophenol	ND		950	210
88-06-2	2,4,6-Trichlorophenol	ND		950	62
120-83-2	2,4-Dichlorophenol	ND		950	50
105-67-9	2,4-Dimethylphenol	ND		950	260
51-28-5	2,4-Dinitrophenol	ND		1800	330
121-14-2	2,4-Dinitrotoluene	ND		950	150
606-20-2	2,6-Dinitrotoluene	ND		950	230
91-58-7	2-Chloronaphthalene	ND		950	63
95-57-8	2-Chlorophenol	ND		950	48
91-57-6	2-Methylnaphthalene	120	J	950	11
95-48-7	2-Methylphenol	ND		950	29
88-74-4	2-Nitroaniline	ND		1800	300
88-75-5	2-Nitrophenol	ND		950	43
91-94-1	3,3'-Dichlorobenzidine	ND		950	830
99-09-2	3-Nitroaniline	ND		1800	220
534-52-1	4,6-Dinitro-2-methylphenol	ND		1800	330
101-55-3	4-Bromophenyl phenyl ether	ND		950	300
59-50-7	4-Chloro-3-methylphenol	ND		950	39
106-47-8	4-Chloroaniline	ND		950	280
7005-72-3	4-Chlorophenyl phenyl ether	ND		950	20
106-44-5	4-Methylphenol	ND		1800	53
100-01-6	4-Nitroaniline	ND		1800	110
100-02-7	4-Nitrophenol	ND	*	1800	230
83-32-9	Acenaphthene	120	J	950	11
208-96-8	Acenaphthylene	310	J	950	7.7
98-86-2	Acetophenone	ND		950	49
120-12-7	Anthracene	460	J	950	24
1912-24-9	Atrazine	ND	*	950	42
100-52-7	Benzaldehyde	ND		950	100
56-55-3	Benzo(a)anthracene	2400		950	16
50-32-8	Benzo(a)pyrene	2800		950	23
205-99-2	Benzo(b)fluoranthene	3400		950	18
191-24-2	Benzo(g,h,i)perylene	2000		950	11
207-08-9	Benzo(k)fluoranthene	1400		950	10

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Buffalo | Job No.: 480-18068-1

SDG No.:

Client Sample ID: RB-05 (6"-12" | Lab Sample ID: 480-18068-8

Matrix: Solid | Lab File ID: X5094.D

Analysis Method: 8270C | Date Collected: 04/02/2012 15:10

Extract. Method: 3550B | Date Extracted: 04/05/2012 10:44

Sample wt/vol: +30.68(g) | Date Analyzed: 04/09/2012 19:04

Con. Extract Vol.: 1(mL) | Dilution Factor: 5

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

% Moisture: 12.7 | GPC Cleanup:(Y/N) N

Analysis Batch No.: 58786 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
92-52-4	Biphenyl	ND		950	59
108-60-1	bis (2-chloroisopropyl) ether	ND		950	99
111-91-1	Bis(2-chloroethoxy)methane	ND		950	51
111-44-4	Bis(2-chloroethyl)ether	ND		950	82
117-81-7	Bis(2-ethylhexyl) phthalate	ND		950	300
85-68-7	Butyl benzyl phthalate	ND		950	250
105-60-2	Caprolactam	ND		950	410
86-74-8	Carbazole	260	J	950	11
218-01-9	Chrysene	2600		950	9.5
53-70-3	Dibenz(a,h)anthracene	540	J	950	11
132-64-9	Dibenzofuran	130	J	950	9.8
84-66-2	Diethyl phthalate	ND		950	29
131-11-3	Dimethyl phthalate	ND		950	25
84-74-2	Di-n-butyl phthalate	ND		950	330
117-84-0	Di-n-octyl phthalate	ND		950	22
206-44-0	Fluoranthene	4400		950	14
86-73-7	Fluorene	120	J	950	22
118-74-1	Hexachlorobenzene	ND		950	47
87-68-3	Hexachlorobutadiene	ND		950	48
77-47-4	Hexachlorocyclopentadiene	ND		950	290
67-72-1	Hexachloroethane	ND		950	73
193-39-5	Indeno(1,2,3-cd)pyrene	1800		950	26
78-59-1	Isophorone	ND		950	47
91-20-3	Naphthalene	160	J	950	16
98-95-3	Nitrobenzene	ND		950	42
621-64-7	N-Nitrosodi-n-propylamine	ND		950	75
86-30-6	N-Nitrosodiphenylamine	ND		950	52
87-86-5	Pentachlorophenol	ND		1800	320
85-01-8	Phenanthrene	2100		950	20
108-95-2	Phenol	ND		950	100
129-00-0	Pyrene	3900		950	6.1

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Buffalo | Job No.: 480-18068-1

SDG No.:

Client Sample ID: RB-05 (6"-12" | Lab Sample ID: 480-18068-8

Matrix: Solid | Lab File ID: X5094.D

Analysis Method: 8270C | Date Collected: 04/02/2012 15:10

Extract. Method: 3550B | Date Extracted: 04/05/2012 10:44

Sample wt/vol: +30.68(g) | Date Analyzed: 04/09/2012 19:04

Con. Extract Vol.: 1(mL) | Dilution Factor: 5

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

% Moisture: 12.7 | GPC Cleanup:(Y/N) N

Analysis Batch No.: 58786 | Units: ug/Kg

CAS NO.	SURROGATE	%REC	Q	LIMITS
118-79-6	2,4,6-Tribromophenol	92		39-146
321-60-8	2-Fluorobiphenyl	82		37-120
367-12-4	2-Fluorophenol	65		18-120
4165-60-0	Nitrobenzene-d5	74		34-132
4165-62-2	Phenol-d5	73		11-120
1718-51-0	p-Terphenyl-d14	101		65-153

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

Lab Name: TestAmerica Buffalo | Job No.: 480-18068-1

SDG No.:

Client Sample ID: RB-05 (6"-12" | Lab Sample ID: 480-18068-8

Matrix: Solid | Lab File ID: X5094.D

Analysis Method: 8270C | Date Collected: 04/02/2012 15:10

Extract. Method: 3550B | Date Extracted: 04/05/2012 10:44

Sample wt/vol: +30.68(g) | Date Analyzed: 04/09/2012 19:04

Con. Extract Vol.: 1(mL) | Dilution Factor: 5

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

% Moisture: 12.7 | GPC Cleanup:(Y/N) N

Analysis Batch No.: 58786 | Units: ug/Kg

Number TICs Found: 4 | TIC Result Total: 22700

CAS NO.	COMPOUND NAME	RT	RESULT	Q
	Unknown	2.32	2200	T J
	Unknown	13.93	2600	T J
192-97-2	Benzo[e]pyrene	14.76	1900	T J N
	Unknown	15.65	16000	T J

TestAmerica Laboratories
Target Compound Quantitation Report

Data File:	\\Bufchrom\ChromData\HP5973X\20120409-10842.b\X5094.D		
Lims ID:	480-18068-B-8-B	Client ID:	RB-05 (6"-12"
Inject. Date:	09-Apr-2012 19:04:30	Dil. Factor:	5.0000
Sample Type:	Client		
Sample ID:	480-0010842-007		
Misc. Info.:			
Operator:	RMM	Instrument ID:	HP5973X
Vol. Injected:	1.0000	ALS Bottle#:	7
Lims Batch ID:	58786	Lims Sample ID:	7
Detector:	MS SCAN		
Method:	\\Bufchrom\ChromData\HP5973X\20120409-10842.b\X-8270.m		
Last Update:	10-Apr-2012 10:41:49	Calib Date:	09-Apr-2012 15:39:30
Quant Method:	Internal Standard	Quant By:	Initial Calibration
Last ICal File:	\\Bufchrom\ChromData\HP5973X\20120409-10830.b\X5085.D		
Limit Group:	MB - 8270C ICAL		
Integrator:	RTE	ID Type:	Deconvolution ID
Process Host:	CORP-CTX-19		
First Level Reviewer: mckernar		Date:	10-Apr-2012 10:41:49

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ng/uL	Flags
* 1 1,4-Dichlorobenzene-d4	152	6.029	6.040	-0.011	97	111578	40.0	
* 2 Naphthalene-d8	136	7.525	7.536	-0.011	93	395288	40.0	
* 3 Acenaphthene-d10	164	9.598	9.603	-0.005	55	222800	40.0	
* 4 Phenanthrene-d10	188	11.206	11.211	-0.005	100	385487	40.0	
* 5 Chrysene-d12	240	13.620	13.620	0.0	100	357889	40.0	
* 6 Perylene-d12	264	14.865	14.865	0.0	99	434426	40.0	
$ 7 2-Fluorophenol	112	4.464	4.475	-0.011	95	86296	19.5	
$ 8 Phenol-d5	99	5.586	5.602	-0.016	74	114835	21.9	
$ 9 Nitrobenzene-d5	82	6.681	6.697	-0.016	95	66778	14.9	
$ 10 2-Fluorobiphenyl	172	8.812	8.823	-0.011	99	118696	16.5	
$ 11 2,4,6-Tribromophenol	330	10.484	10.501	-0.017	75	21917	27.5	
$ 12 p-Terphenyl-d14	244	12.701	12.707	-0.006	96	152779	20.2	
62 Benzaldehyde	77		5.532					
63 Phenol	94		5.618					
66 Bis(2-chloroethyl)ether	93		5.735					
67 2-Chlorophenol	128		5.789					
73 2-Methylphenol	108		6.339					
74 2,2'-oxybis[1-chloropropane]	45		6.376					
76 Acetophenone	105		6.515					
79 4-Methylphenol	108		6.526					
78 N-Nitrosodi-n-propylamine	70		6.531					
81 Hexachloroethane	117		6.633					
83 Nitrobenzene	77		6.724					
86 Isophorone	82		7.012					
87 2-Nitrophenol	139		7.098					
89 2,4-Dimethylphenol	107		7.162					
94 Bis(2-chloroethoxy)methane	93		7.279					
97 2,4-Dichlorophenol	162		7.381					
99 Naphthalene	128	7.552	7.573	-0.021	54	8548	0.8825	
101 4-Chloroaniline	127		7.648					
104 Hexachlorobutadiene	225		7.723					

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ng/uL	Flags
105 Caprolactam	113		8.038					
110 4-Chloro-3-methylphenol	107		8.214					
113 2-Methylnaphthalene	142	8.369	8.385	-0.016	44	3947	0.6602	
116 Hexachlorocyclopentadiene	237		8.567					
118 2,4,6-Trichlorophenol	196		8.716					
119 2,4,5-Trichlorophenol	196		8.754					
123 1,1'-Biphenyl	154		8.930					
124 2-Chloronaphthalene	162		8.951					
125 2-Nitroaniline	65		9.090					
128 Dimethyl phthalate	163		9.320					
130 2,6-Dinitrotoluene	165		9.384					
131 Acenaphthylene	152	9.427	9.443	-0.016	70	16014	1.64	
132 3-Nitroaniline	138		9.582					
133 Acenaphthene	153	9.635	9.646	-0.011	55	3837	0.6503	
134 2,4-Dinitrophenol	184		9.699					
135 4-Nitrophenol	109		9.785					
138 Dibenzofuran	168	9.838	9.849	-0.011	23	6128	0.7178	
137 2,4-Dinitrotoluene	165		9.854					
142 Diethyl phthalate	149		10.143					
144 Fluorene	166	10.223	10.239	-0.016	61	4671	0.6650	
145 4-Chlorophenyl phenyl ether	204		10.250					
147 4-Nitroaniline	138		10.282					
148 4,6-Dinitro-2-methylphenol	198		10.308					
149 N-Nitrosodiphenylamine	169		10.383					
159 4-Bromophenyl phenyl ether	248		10.773					
160 Hexachlorobenzene	284		10.821					
163 Atrazine	200		10.955					
165 Pentachlorophenol	266		11.030					
171 Phenanthrene	178	11.227	11.238	-0.011	99	106802	11.4	
172 Anthracene	178	11.280	11.291	-0.011	93	23605	2.49	
173 Carbazole	167	11.446	11.457	-0.011	66	12826	1.39	
176 Di-n-butyl phthalate	149		11.804					
182 Fluoranthene	202	12.354	12.360	-0.006	98	263831	23.7	
185 Pyrene	202	12.557	12.568	-0.011	98	239138	21.1	
192 Butyl benzyl phthalate	149		13.134					
196 3,3'-Dichlorobenzidine	252		13.594					
197 Benzo[a]anthracene	228	13.604	13.615	-0.011	62	134924	12.6	
198 Bis(2-ethylhexyl) phthalate	149		13.626					
199 Chrysene	228	13.636	13.647	-0.011	99	147517	13.7	
201 Di-n-octyl phthalate	149		14.165					
203 Benzo[b]fluoranthene	252	14.518	14.523	-0.005	99	213205	18.4	M
204 Benzo[k]fluoranthene	252	14.539	14.550	-0.011	98	91644	7.45	M
206 Benzo[a]pyrene	252	14.812	14.823	-0.011	99	153409	15.0	
208 Indeno[1,2,3-cd]pyrene	276	15.933	15.944	-0.011	97	112596	9.85	
209 Dibenz(a,h)anthracene	278	15.944	15.955	-0.011	52	29273	2.89	
210 Benzo[g,h,i]perylene	276	16.243	16.254	-0.011	98	103939	10.8	

QC Flag Legend

Review Flags
M - Manually Integrated

TestAmerica Laboratories
Tentatively Identified Quantitation Report

Data File:	\\Bufchrom\ChromData\HP5973X\20120409-10842.b\X5094.D		
Lims ID:	480-18068-B-8-B	Client ID:	RB-05 (6"-12"
Inject. Date:	09-Apr-2012 19:04:30	Dil. Factor:	5.0000
Sample Type:	Client		
Sample ID:	480-0010842-007		
Misc. Info.:			
Operator:	RMM	Instrument ID:	HP5973X
Vol. Injected:	1.0000	ALS Bottle#:	7
Lims Batch ID:	58786	Lims Sample ID:	7
Detector:	MS SCAN		
Method:	\\Bufchrom\ChromData\HP5973X\20120409-10842.b\X-8270.m		
Last Update:	10-Apr-2012 10:41:49	Calib Date:	09-Apr-2012 15:39:30
Tic RT Window:	1.500 -0.000	Response:	area
Quant By:	Nearest ISTD	Quant LOD:	10.00000
MS Library:	\\Bufchrom\ChromData\Database\NIST98.L		
Min. Match:	85		
Process Host:	CORP-CTX-19		
First Level Reviewer: mckernar		Date:	10-Apr-2012 10:41:49

Calibrated Tentative Identified Compound Results

Compound	RT	Response	Amount ng/uL	Flags
1-Methylnaphthalene (TIC)	8.369	3947	0.7086	
Anthraquinone	11.996	5820		
9-Octadecenamide	13.139	2051		
7,12-Dimethylbenz(a)anthracene	14.299	7607		

Tentative Identified Compound Results

RT	Response	Amount ng/uL	Quant Cpnd	Qual	Lib Entry	Flags
		Unknown				
2.316	222467	12.0	1			
		Unknown				
13.930	488304	13.7	5			
	192-97-2	Benzo[e]pyrene				
14.764	308832	10.3	6	94	127650	
		Unknown				
15.650	2587872	86.3	6			

Quantitation Compounds

Compound	RT	Response	Amount ng/uL
* 1 1,4-Dichlorobenzene-d4	6.029	739990	40.0
* 5 Chrysene-d12	13.615	1425951	40.0
* 6 Perylene-d12	14.865	1199834	40.0

QC Flag Legend

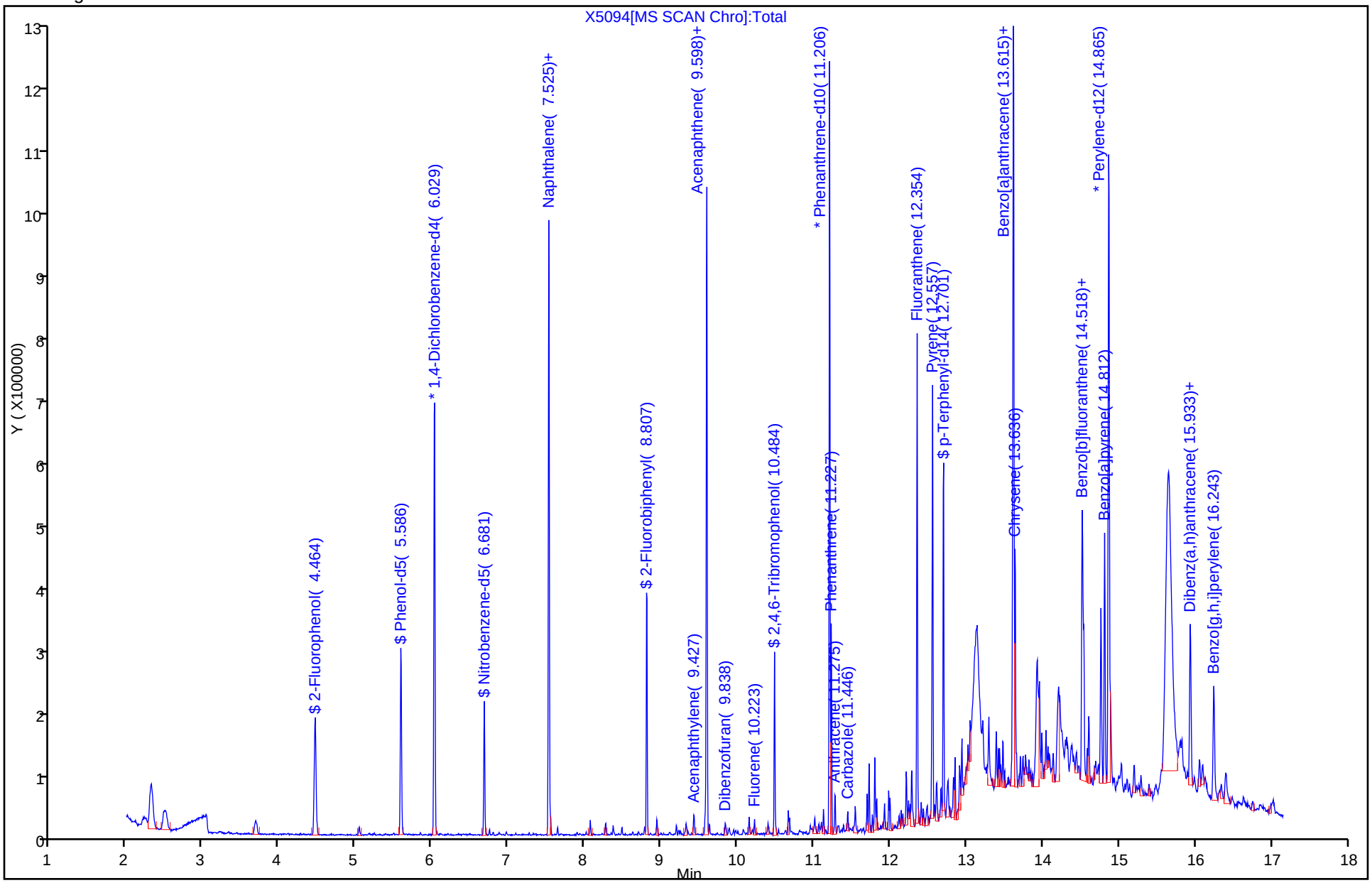
Processing Flags

Report Date: 10-Apr-2012 10:41:49 Chrom Revision: 2.0 20-Feb-2012 13:27:02

Data File: \\Bufchrom\ChromData\HP5973X\20120409-10842.b\X5094.D

Injection Date:	09-Apr-2012 19:04:30	Limit Group:	MB - 8270C ICAL
Client ID:	RB-05 (6"-12"	Instrument ID:	HP5973X
Lims Batch ID:	58786	Lims Sample ID:	7
Operator ID:	RMM	Injection Vol:	1.00 ul
Column Type:	RXI-5Sil MS	Column Dia:	0.25 mm

Y Scaling:

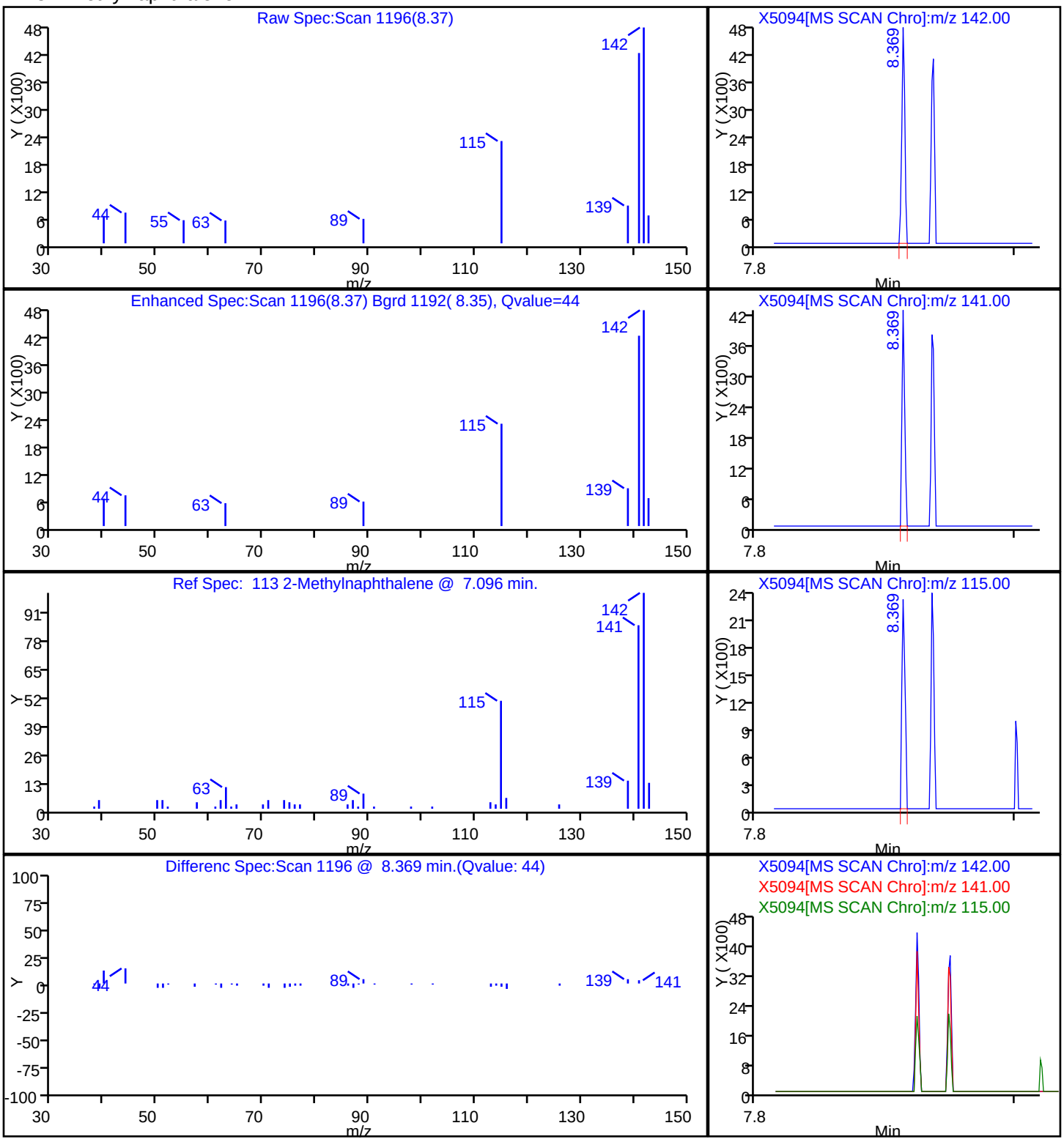


Report Date: 10-Apr-2012 10:41:49 Chrom Revision: 2.0 20-Feb-2012 13:27:02

Data File: \\Bufchrom\ChromData\HP5973X\20120409-10842.b\X5094.D

Injection Date:	09-Apr-2012 19:04:30	Limit Group:	MB - 8270C ICAL
Client ID:	RB-05 (6"-12"	Instrument ID:	HP5973X
Lims Batch ID:	58786	Lims Sample ID:	7
Operator ID:	RMM	Injection Vol:	1.00 ul
Column Type:	RXI-5Sil MS	Column Dia:	0.25 mm

113 2-Methylnaphthalene

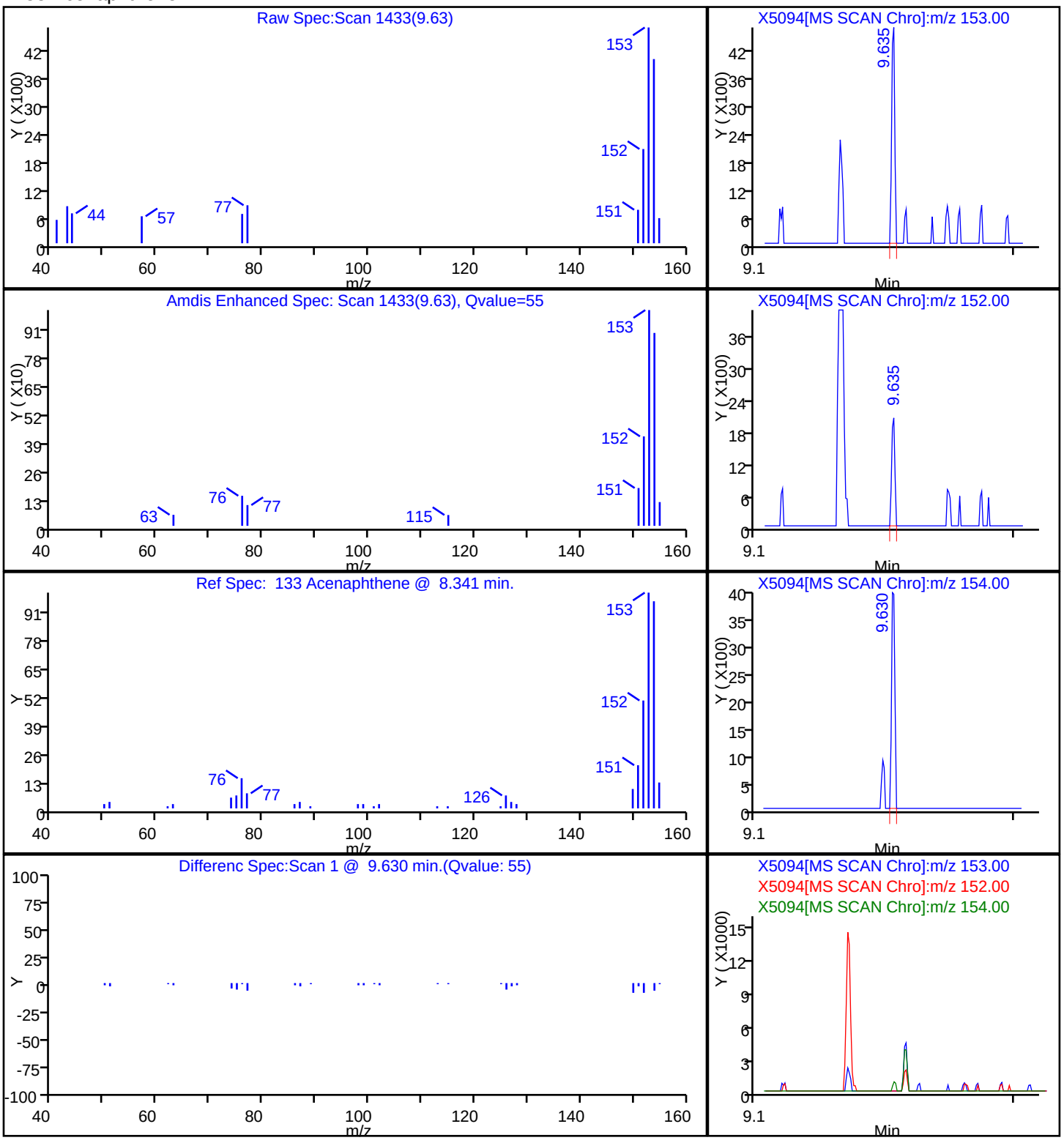


Report Date: 10-Apr-2012 10:41:50 Chrom Revision: 2.0 20-Feb-2012 13:27:02

Data File: \\Bufchrom\ChromData\HP5973X\20120409-10842.b\X5094.D

Injection Date:	09-Apr-2012 19:04:30	Limit Group:	MB - 8270C ICAL
Client ID:	RB-05 (6"-12"	Instrument ID:	HP5973X
Lims Batch ID:	58786	Lims Sample ID:	7
Operator ID:	RMM	Injection Vol:	1.00 ul
Column Type:	RXI-5Sil MS	Column Dia:	0.25 mm

133 Acenaphthene

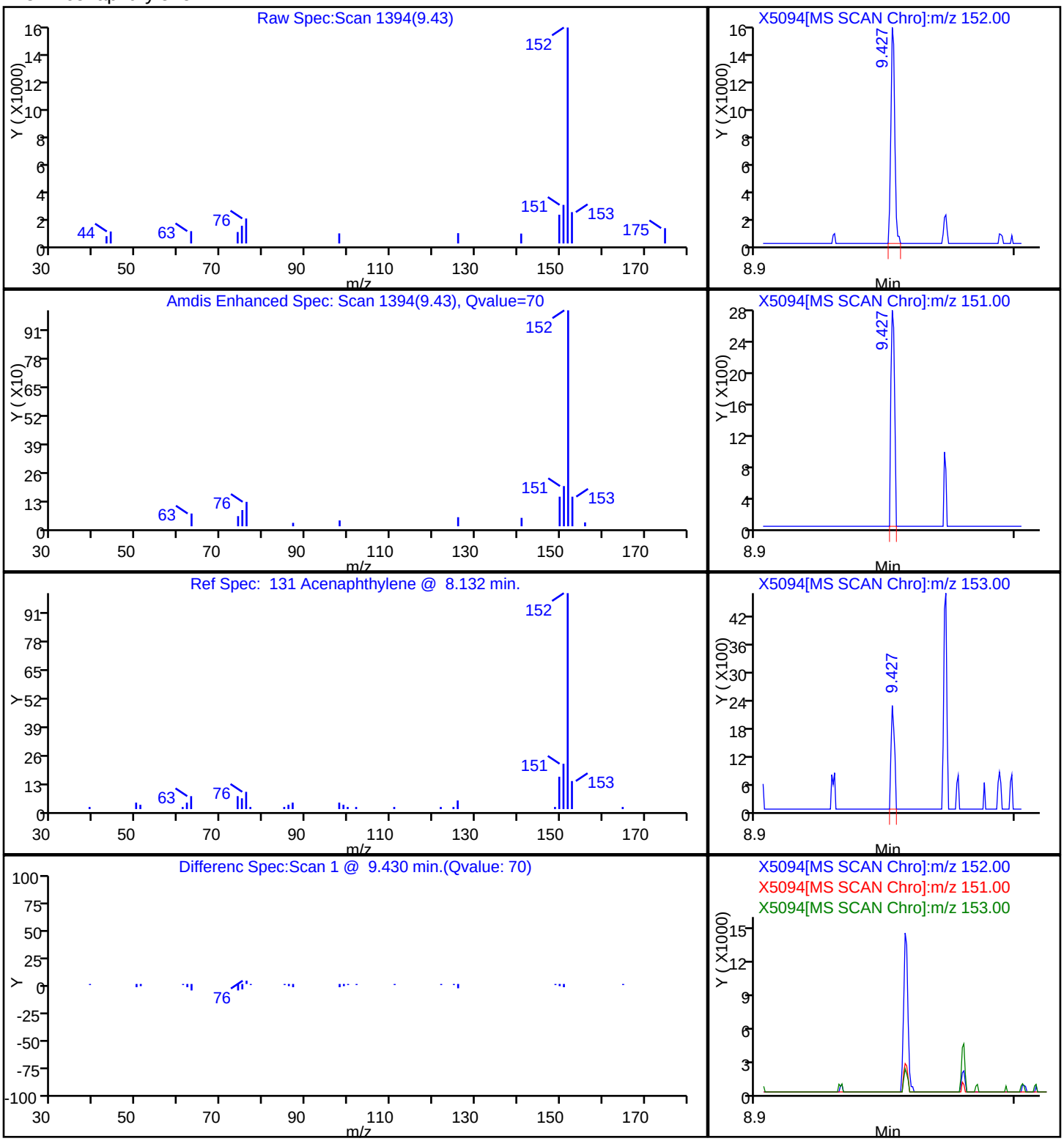


Report Date: 10-Apr-2012 10:41:50 Chrom Revision: 2.0 20-Feb-2012 13:27:02

Data File: \\Bufchrom\ChromData\HP5973X\20120409-10842.b\X5094.D

Injection Date:	09-Apr-2012 19:04:30	Limit Group:	MB - 8270C ICAL
Client ID:	RB-05 (6"-12"	Instrument ID:	HP5973X
Lims Batch ID:	58786	Lims Sample ID:	7
Operator ID:	RMM	Injection Vol:	1.00 ul
Column Type:	RXI-5Sil MS	Column Dia:	0.25 mm

131 Acenaphthylene

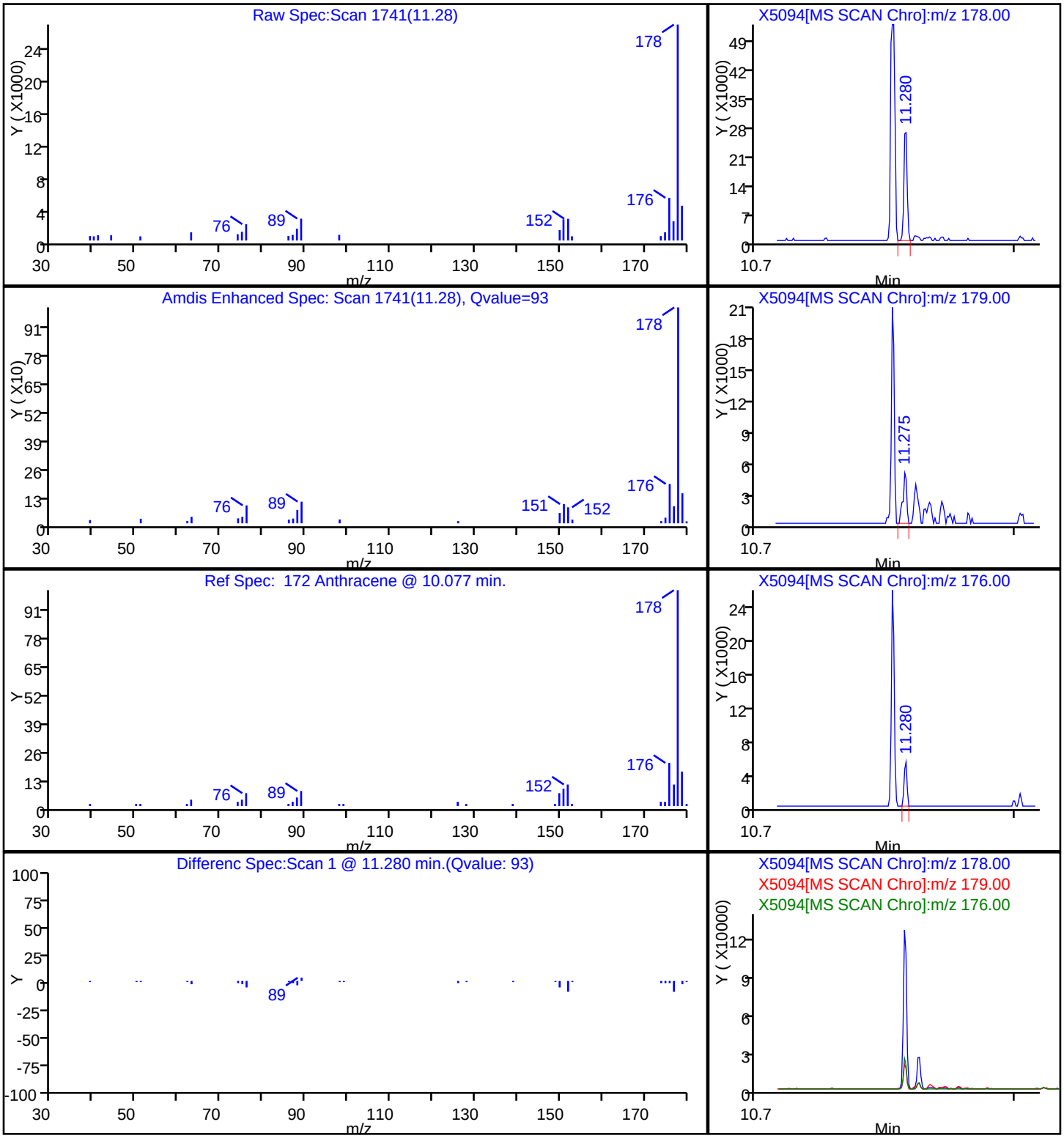


Report Date: 10-Apr-2012 10:41:50 Chrom Revision: 2.0 20-Feb-2012 13:27:02

Data File: \\Bufchrom\ChromData\HP5973X\20120409-10842.b\X5094.D

Injection Date:	09-Apr-2012 19:04:30	Limit Group:	MB - 8270C ICAL
Client ID:	RB-05 (6"-12"	Instrument ID:	HP5973X
Lims Batch ID:	58786	Lims Sample ID:	7
Operator ID:	RMM	Injection Vol:	1.00 ul
Column Type:	RXI-5Sil MS	Column Dia:	0.25 mm

172 Anthracene

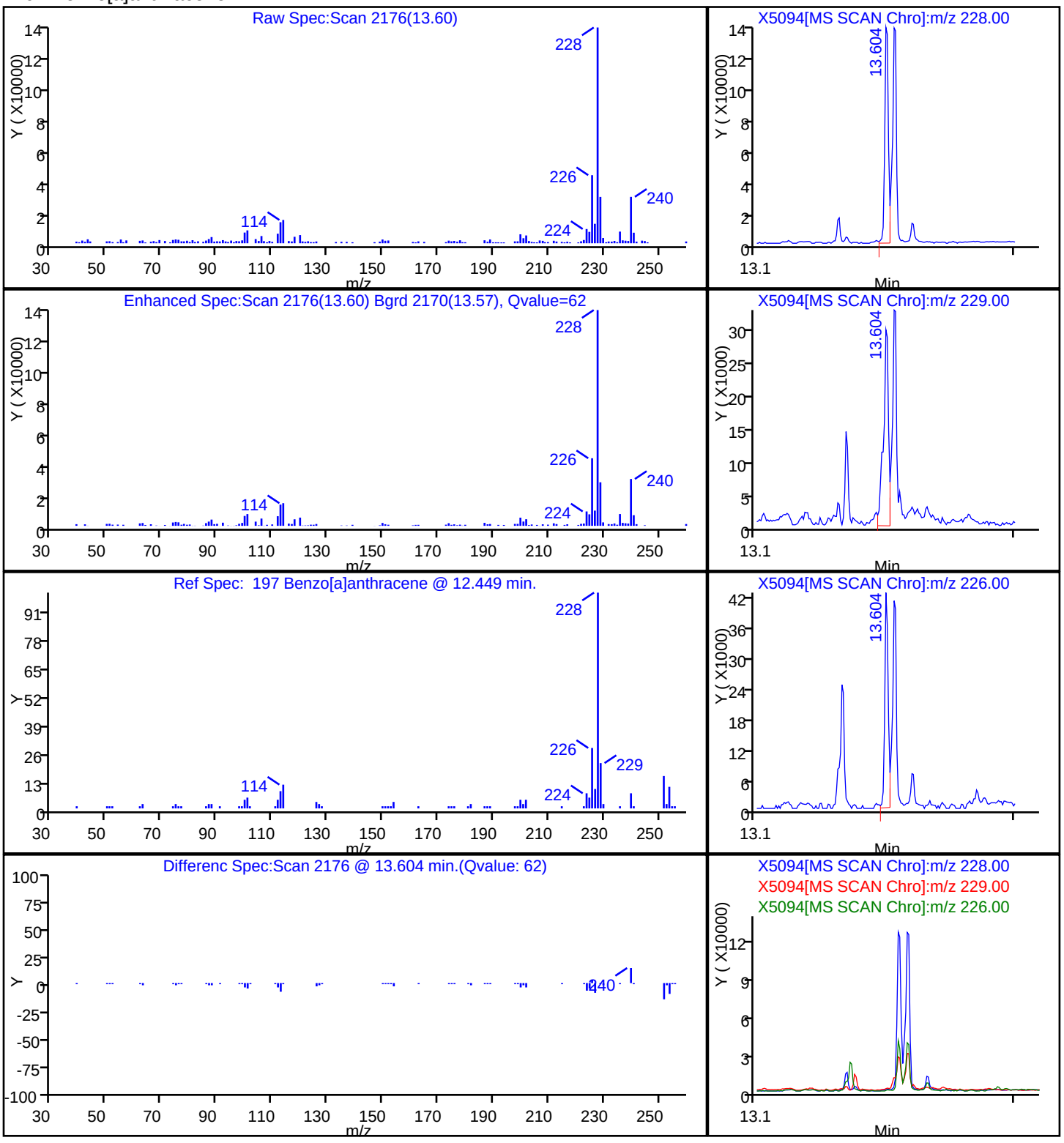


Report Date: 10-Apr-2012 10:41:50 Chrom Revision: 2.0 20-Feb-2012 13:27:02

Data File: \\Bufchrom\ChromData\HP5973X\20120409-10842.b\X5094.D

Injection Date:	09-Apr-2012 19:04:30	Limit Group:	MB - 8270C ICAL
Client ID:	RB-05 (6"-12"	Instrument ID:	HP5973X
Lims Batch ID:	58786	Lims Sample ID:	7
Operator ID:	RMM	Injection Vol:	1.00 ul
Column Type:	RXI-5Sil MS	Column Dia:	0.25 mm

197 Benzo[a]anthracene

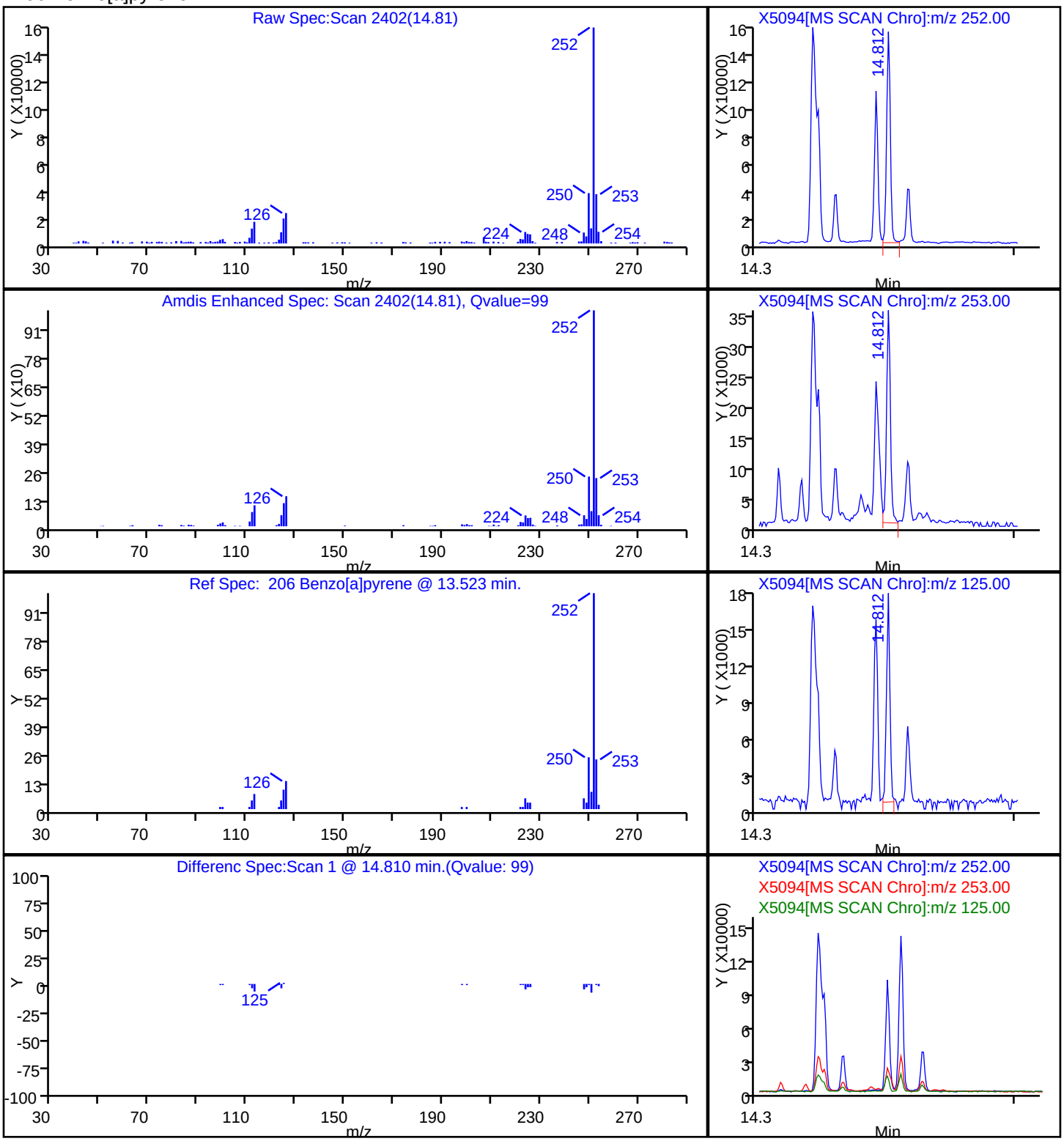


Report Date: 10-Apr-2012 10:41:50 Chrom Revision: 2.0 20-Feb-2012 13:27:02

Data File: \\Bufchrom\ChromData\HP5973X\20120409-10842.b\X5094.D

Injection Date:	09-Apr-2012 19:04:30	Limit Group:	MB - 8270C ICAL
Client ID:	RB-05 (6"-12"	Instrument ID:	HP5973X
Lims Batch ID:	58786	Lims Sample ID:	7
Operator ID:	RMM	Injection Vol:	1.00 ul
Column Type:	RXI-5Sil MS	Column Dia:	0.25 mm

206 Benzo[a]pyrene

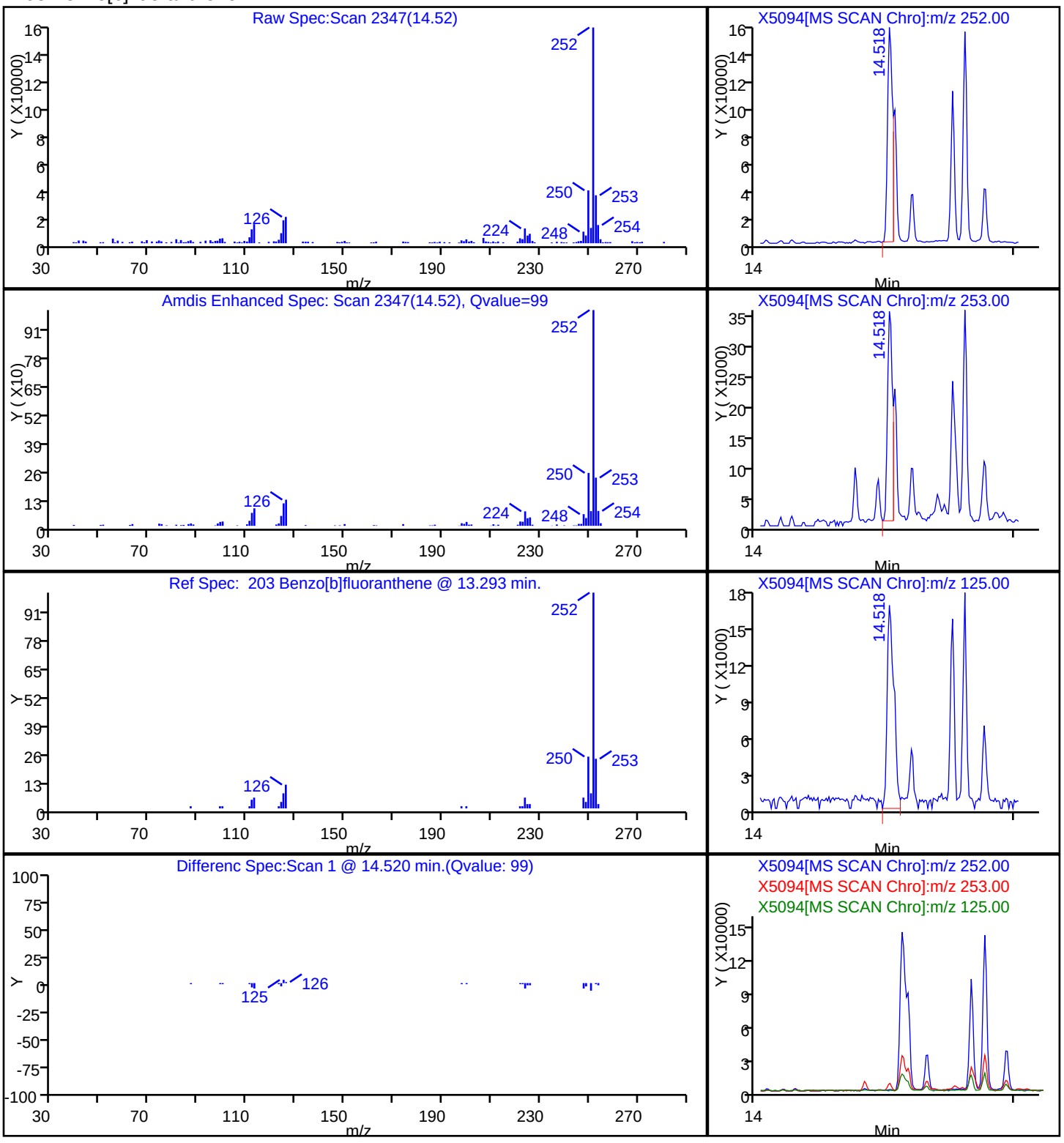


Report Date: 10-Apr-2012 10:41:50 Chrom Revision: 2.0 20-Feb-2012 13:27:02

Data File: \\Bufchrom\ChromData\HP5973X\20120409-10842.b\X5094.D

Injection Date:	09-Apr-2012 19:04:30	Limit Group:	MB - 8270C ICAL
Client ID:	RB-05 (6"-12"	Instrument ID:	HP5973X
Lims Batch ID:	58786	Lims Sample ID:	7
Operator ID:	RMM	Injection Vol:	1.00 ul
Column Type:	RXI-5Sil MS	Column Dia:	0.25 mm

203 Benzo[b]fluoranthene

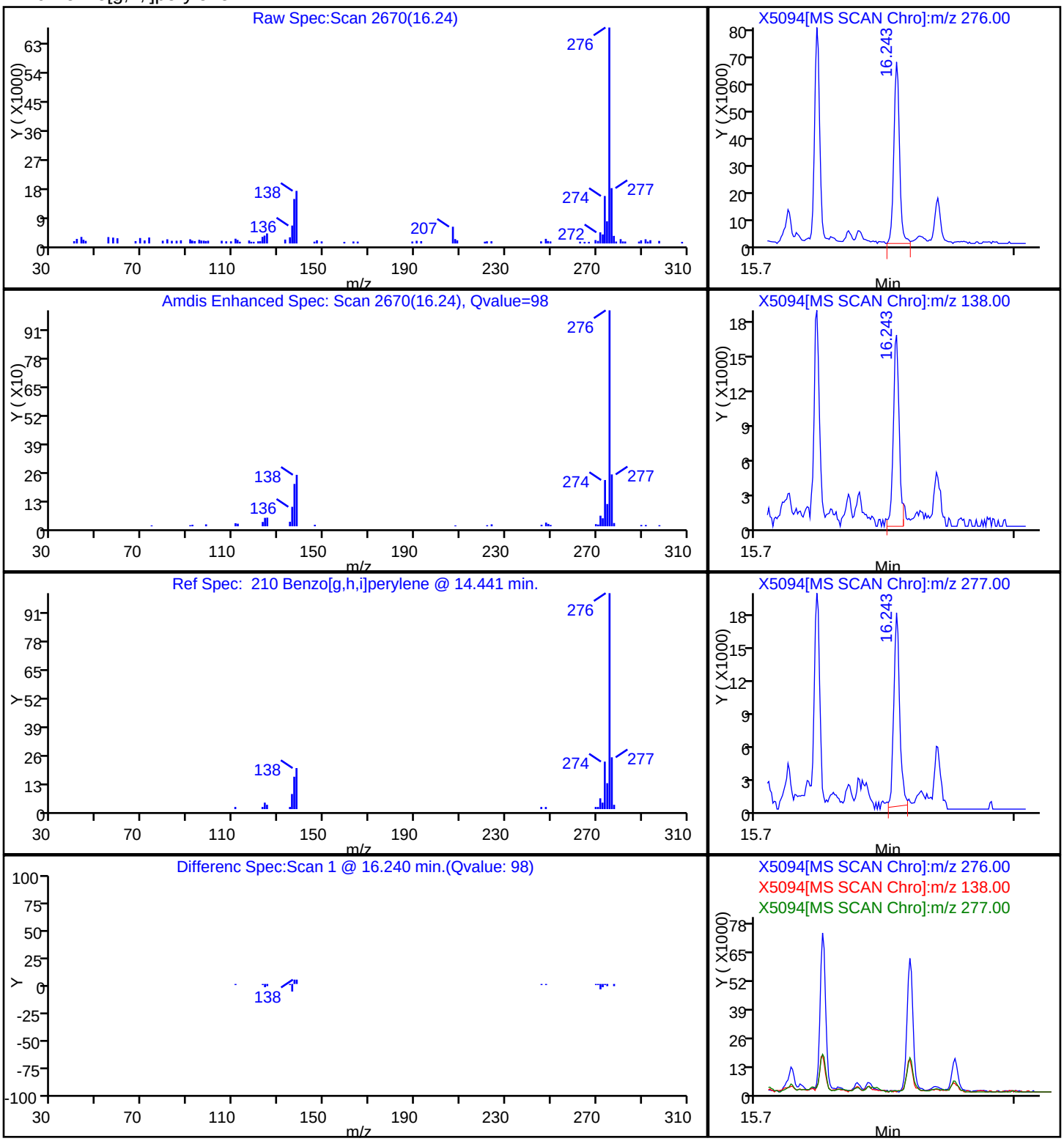


Report Date: 10-Apr-2012 10:41:50 Chrom Revision: 2.0 20-Feb-2012 13:27:02

Data File: \\Bufchrom\ChromData\HP5973X\20120409-10842.b\X5094.D

Injection Date:	09-Apr-2012 19:04:30	Limit Group:	MB - 8270C ICAL
Client ID:	RB-05 (6"-12"	Instrument ID:	HP5973X
Lims Batch ID:	58786	Lims Sample ID:	7
Operator ID:	RMM	Injection Vol:	1.00 ul
Column Type:	RXI-5Sil MS	Column Dia:	0.25 mm

210 Benzo[g,h,i]perylene

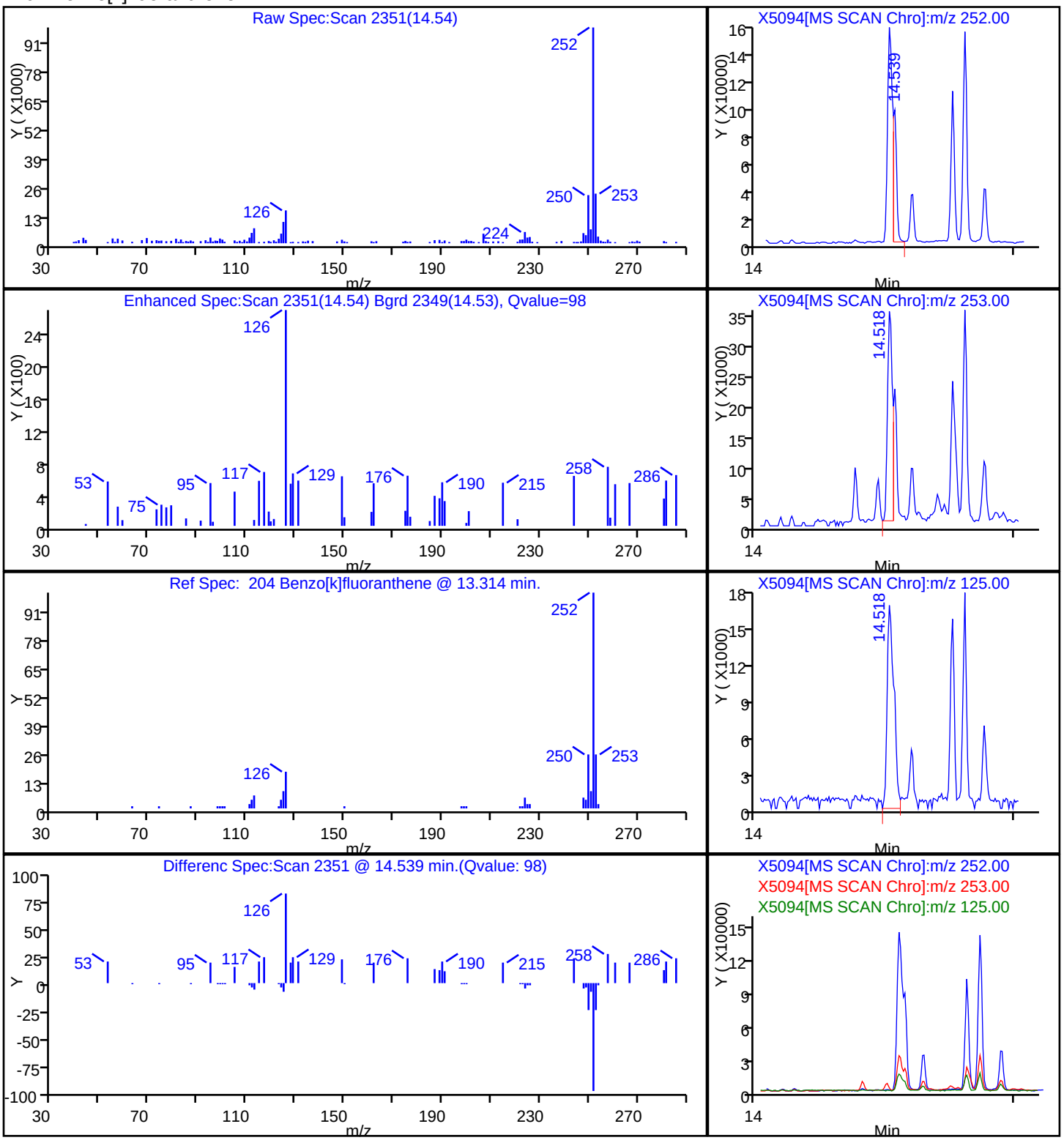


Report Date: 10-Apr-2012 10:41:50 Chrom Revision: 2.0 20-Feb-2012 13:27:02

Data File: \\Bufchrom\ChromData\HP5973X\20120409-10842.b\X5094.D

Injection Date:	09-Apr-2012 19:04:30	Limit Group:	MB - 8270C ICAL
Client ID:	RB-05 (6"-12"	Instrument ID:	HP5973X
Lims Batch ID:	58786	Lims Sample ID:	7
Operator ID:	RMM	Injection Vol:	1.00 ul
Column Type:	RXI-5Sil MS	Column Dia:	0.25 mm

204 Benzo[k]fluoranthene

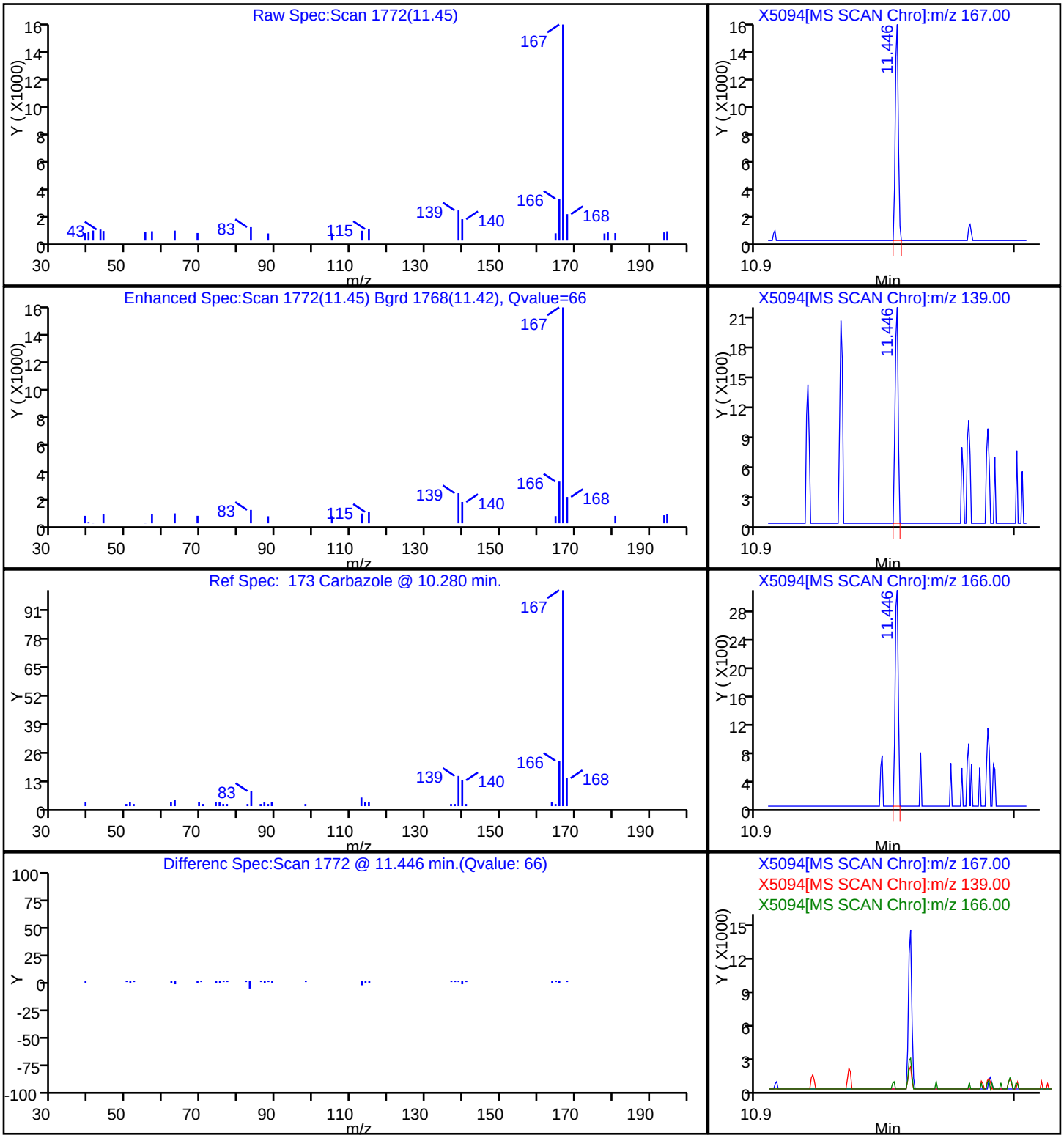


Report Date: 10-Apr-2012 10:41:50 Chrom Revision: 2.0 20-Feb-2012 13:27:02

Data File: \\Bufchrom\ChromData\HP5973X\20120409-10842.b\X5094.D

Injection Date:	09-Apr-2012 19:04:30	Limit Group:	MB - 8270C ICAL
Client ID:	RB-05 (6"-12"	Instrument ID:	HP5973X
Lims Batch ID:	58786	Lims Sample ID:	7
Operator ID:	RMM	Injection Vol:	1.00 ul
Column Type:	RXI-5Sil MS	Column Dia:	0.25 mm

173 Carbazole

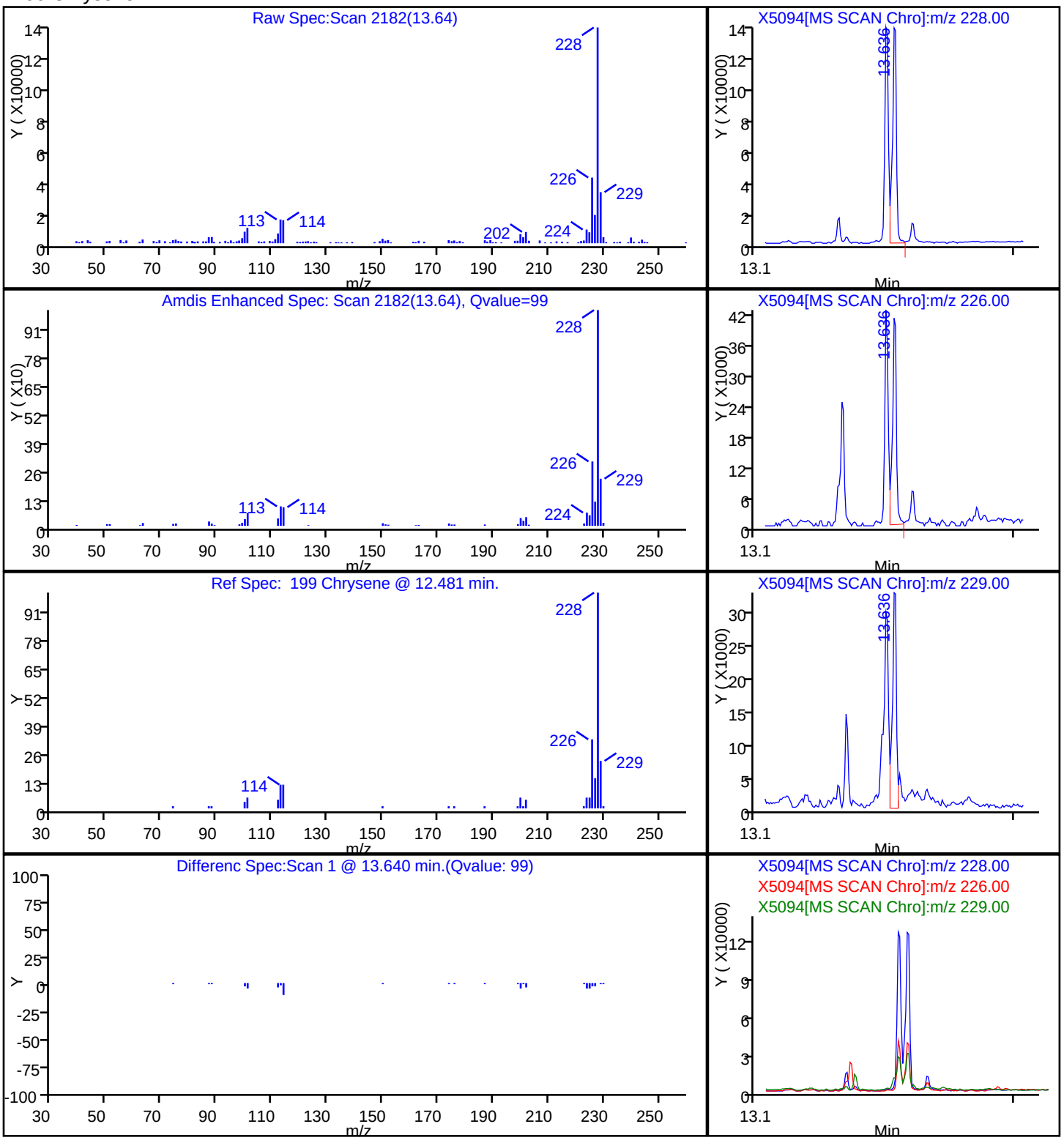


Report Date: 10-Apr-2012 10:41:50 Chrom Revision: 2.0 20-Feb-2012 13:27:02

Data File: \\Bufchrom\ChromData\HP5973X\20120409-10842.b\X5094.D

Injection Date:	09-Apr-2012 19:04:30	Limit Group:	MB - 8270C ICAL
Client ID:	RB-05 (6"-12"	Instrument ID:	HP5973X
Lims Batch ID:	58786	Lims Sample ID:	7
Operator ID:	RMM	Injection Vol:	1.00 ul
Column Type:	RXI-5Sil MS	Column Dia:	0.25 mm

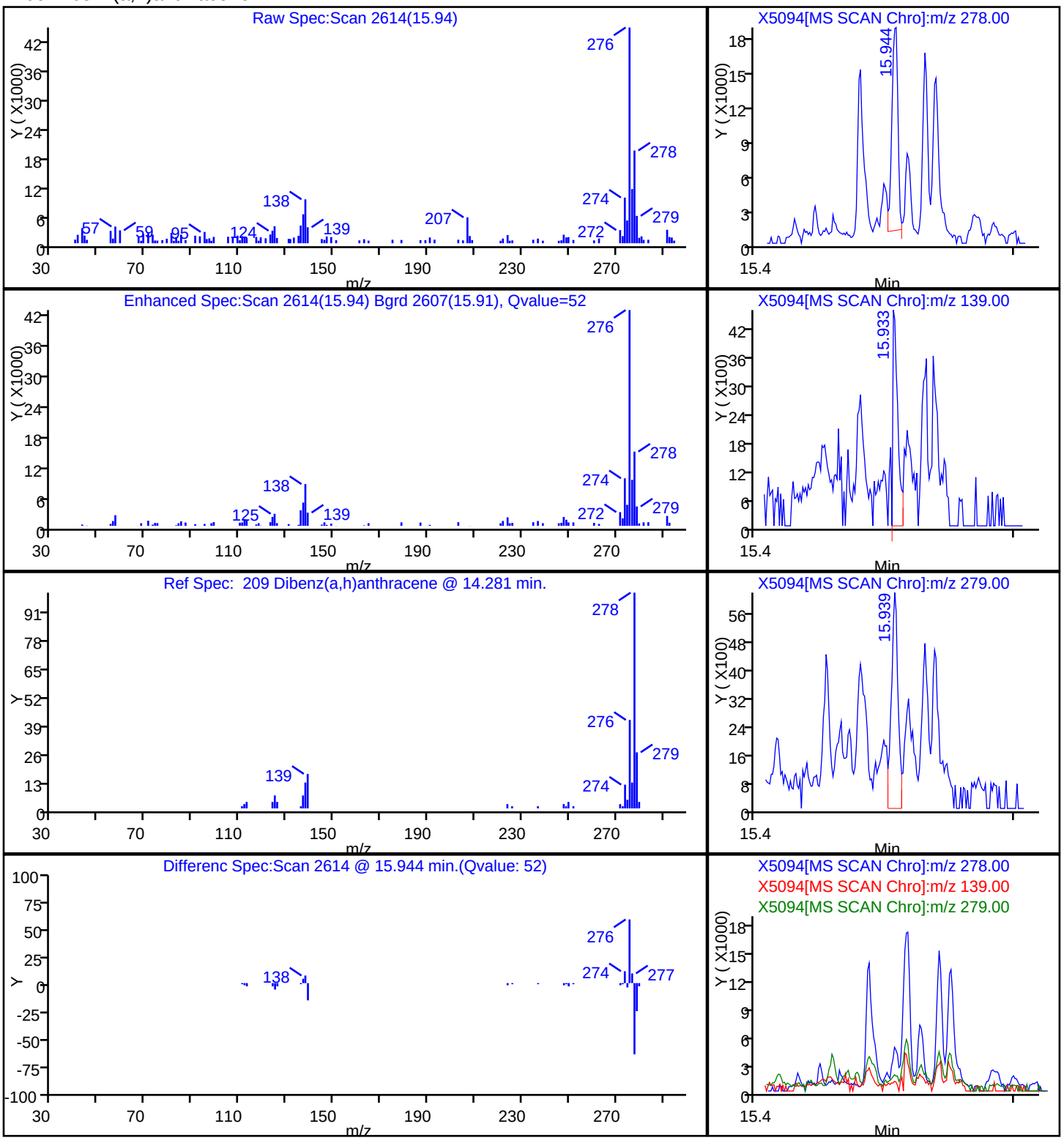
199 Chrysene



Report Date: 10-Apr-2012 10:41:50 Chrom Revision: 2.0 20-Feb-2012 13:27:02

Data File:	\\Bufchrom\ChromData\HP5973X\20120409-10842.b\X5094.D		
Injection Date:	09-Apr-2012 19:04:30	Limit Group:	MB - 8270C ICAL
Client ID:	RB-05 (6"-12"	Instrument ID:	HP5973X
Lims Batch ID:	58786	Lims Sample ID:	7
Operator ID:	RMM	Injection Vol:	1.00 ul
Column Type:	RXI-5Sil MS	Column Dia:	0.25 mm

209 Dibenz(a,h)anthracene

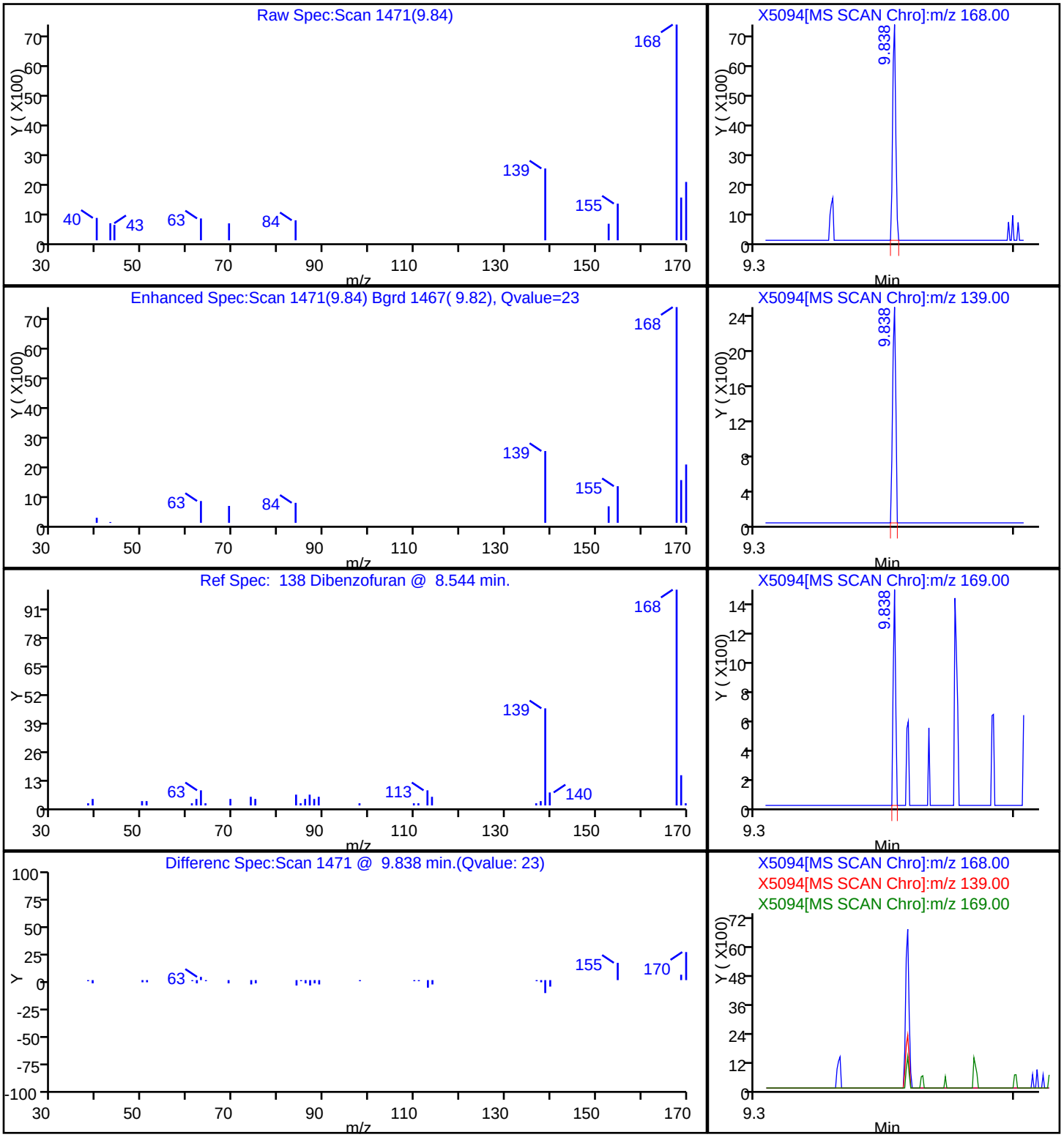


Report Date: 10-Apr-2012 10:41:50 Chrom Revision: 2.0 20-Feb-2012 13:27:02

Data File: \\Bufchrom\ChromData\HP5973X\20120409-10842.b\X5094.D

Injection Date:	09-Apr-2012 19:04:30	Limit Group:	MB - 8270C ICAL
Client ID:	RB-05 (6"-12"	Instrument ID:	HP5973X
Lims Batch ID:	58786	Lims Sample ID:	7
Operator ID:	RMM	Injection Vol:	1.00 ul
Column Type:	RXI-5Sil MS	Column Dia:	0.25 mm

138 Dibenzofuran

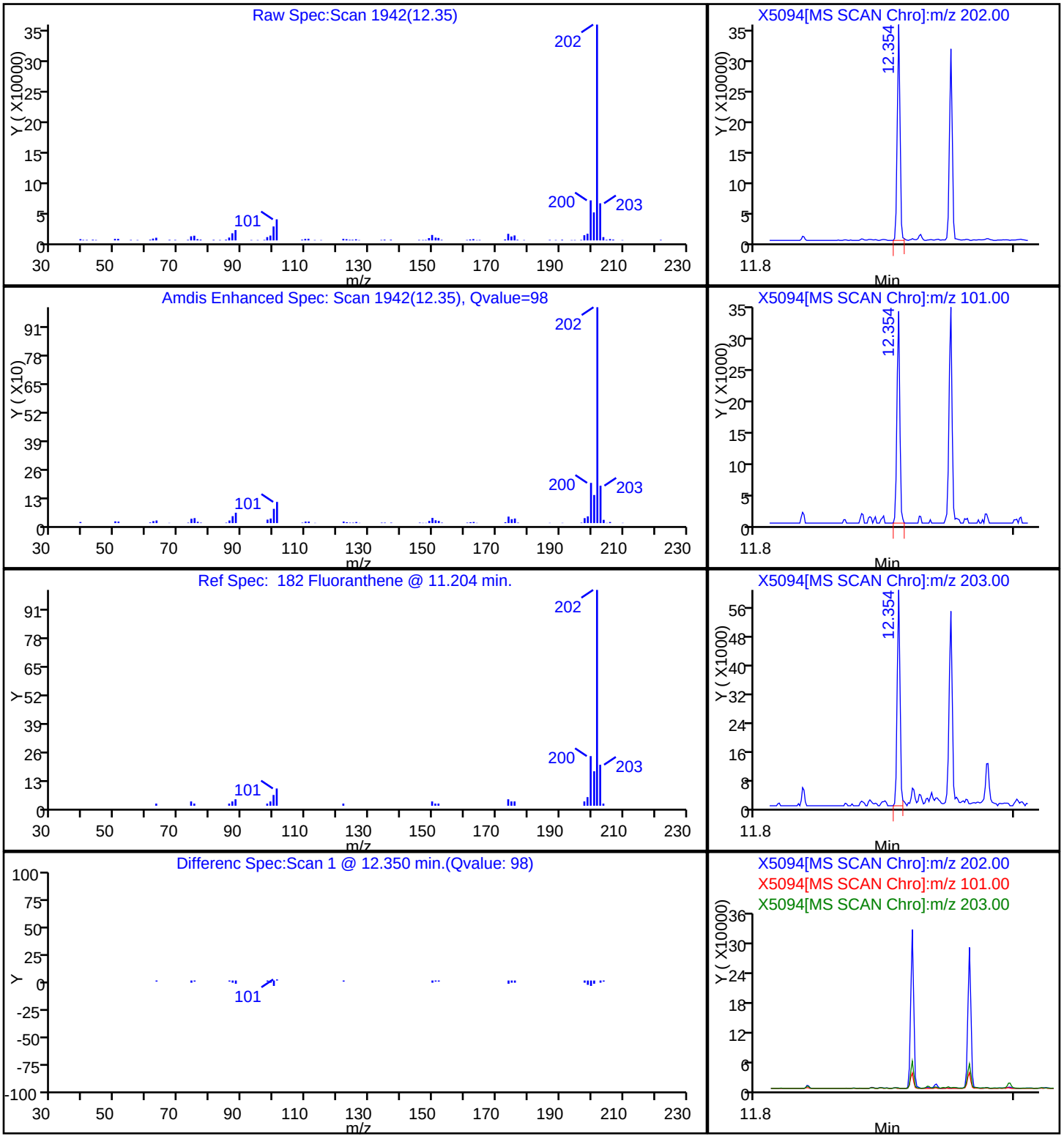


Report Date: 10-Apr-2012 10:41:50 Chrom Revision: 2.0 20-Feb-2012 13:27:02

Data File: \\Bufchrom\ChromData\HP5973X\20120409-10842.b\X5094.D

Injection Date:	09-Apr-2012 19:04:30	Limit Group:	MB - 8270C ICAL
Client ID:	RB-05 (6"-12"	Instrument ID:	HP5973X
Lims Batch ID:	58786	Lims Sample ID:	7
Operator ID:	RMM	Injection Vol:	1.00 ul
Column Type:	RXI-5Sil MS	Column Dia:	0.25 mm

182 Fluoranthene

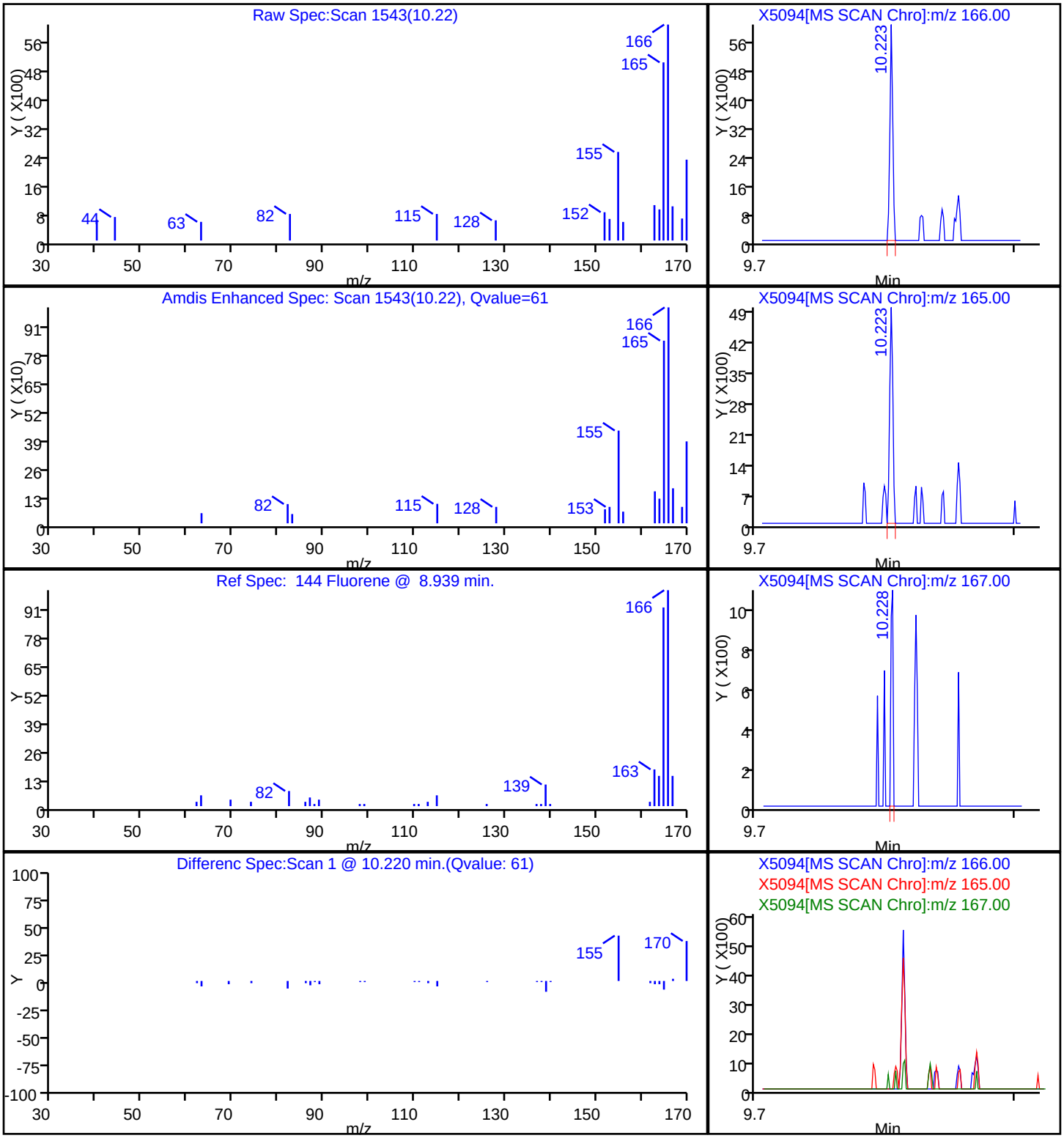


Report Date: 10-Apr-2012 10:41:50 Chrom Revision: 2.0 20-Feb-2012 13:27:02

Data File: \\Bufchrom\ChromData\HP5973X\20120409-10842.b\X5094.D

Injection Date:	09-Apr-2012 19:04:30	Limit Group:	MB - 8270C ICAL
Client ID:	RB-05 (6"-12"	Instrument ID:	HP5973X
Lims Batch ID:	58786	Lims Sample ID:	7
Operator ID:	RMM	Injection Vol:	1.00 ul
Column Type:	RXI-5Sil MS	Column Dia:	0.25 mm

144 Fluorene

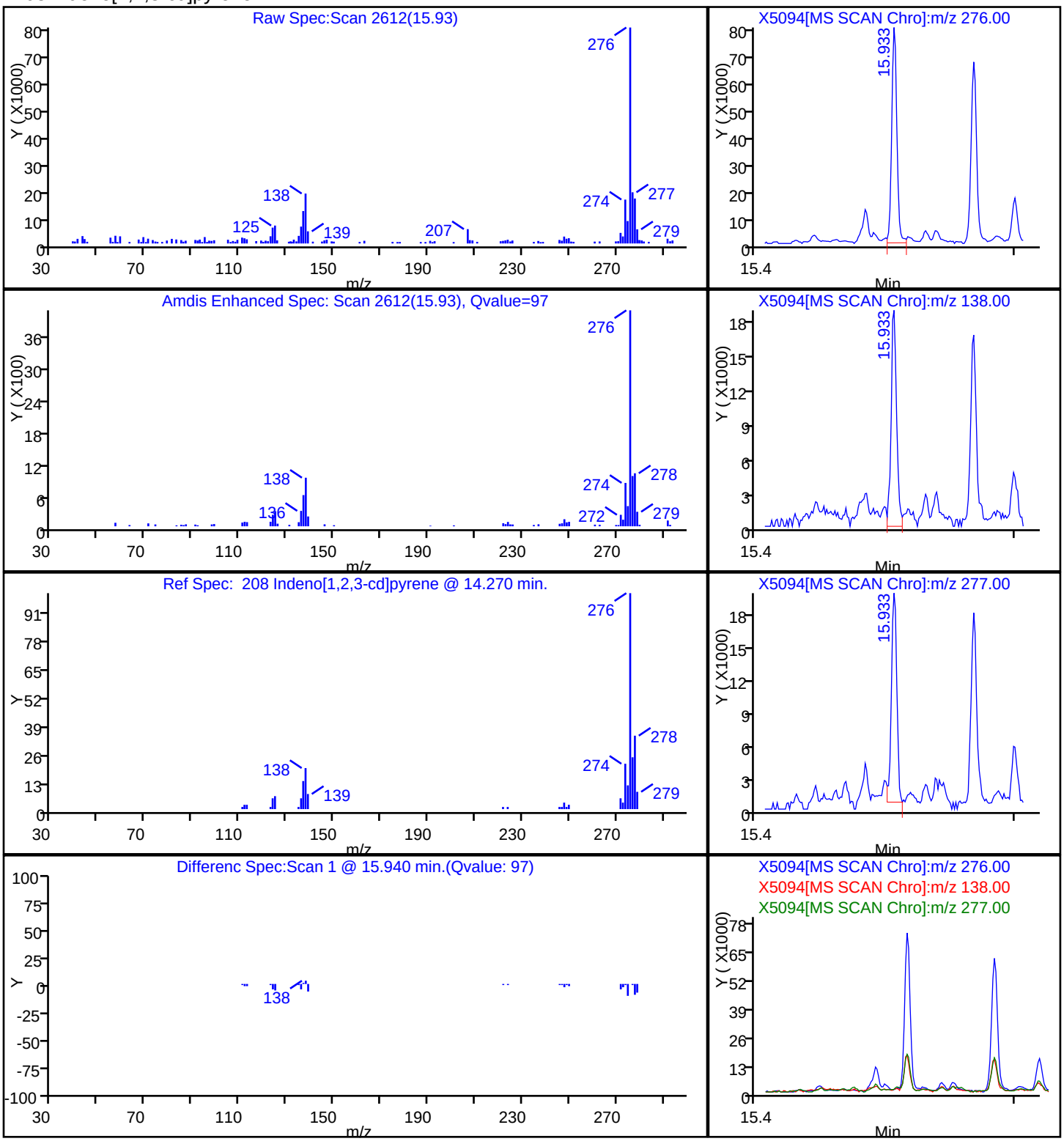


Report Date: 10-Apr-2012 10:41:50 Chrom Revision: 2.0 20-Feb-2012 13:27:02

Data File: \\Bufchrom\ChromData\HP5973X\20120409-10842.b\X5094.D

Injection Date:	09-Apr-2012 19:04:30	Limit Group:	MB - 8270C ICAL
Client ID:	RB-05 (6"-12"	Instrument ID:	HP5973X
Lims Batch ID:	58786	Lims Sample ID:	7
Operator ID:	RMM	Injection Vol:	1.00 ul
Column Type:	RXI-5Sil MS	Column Dia:	0.25 mm

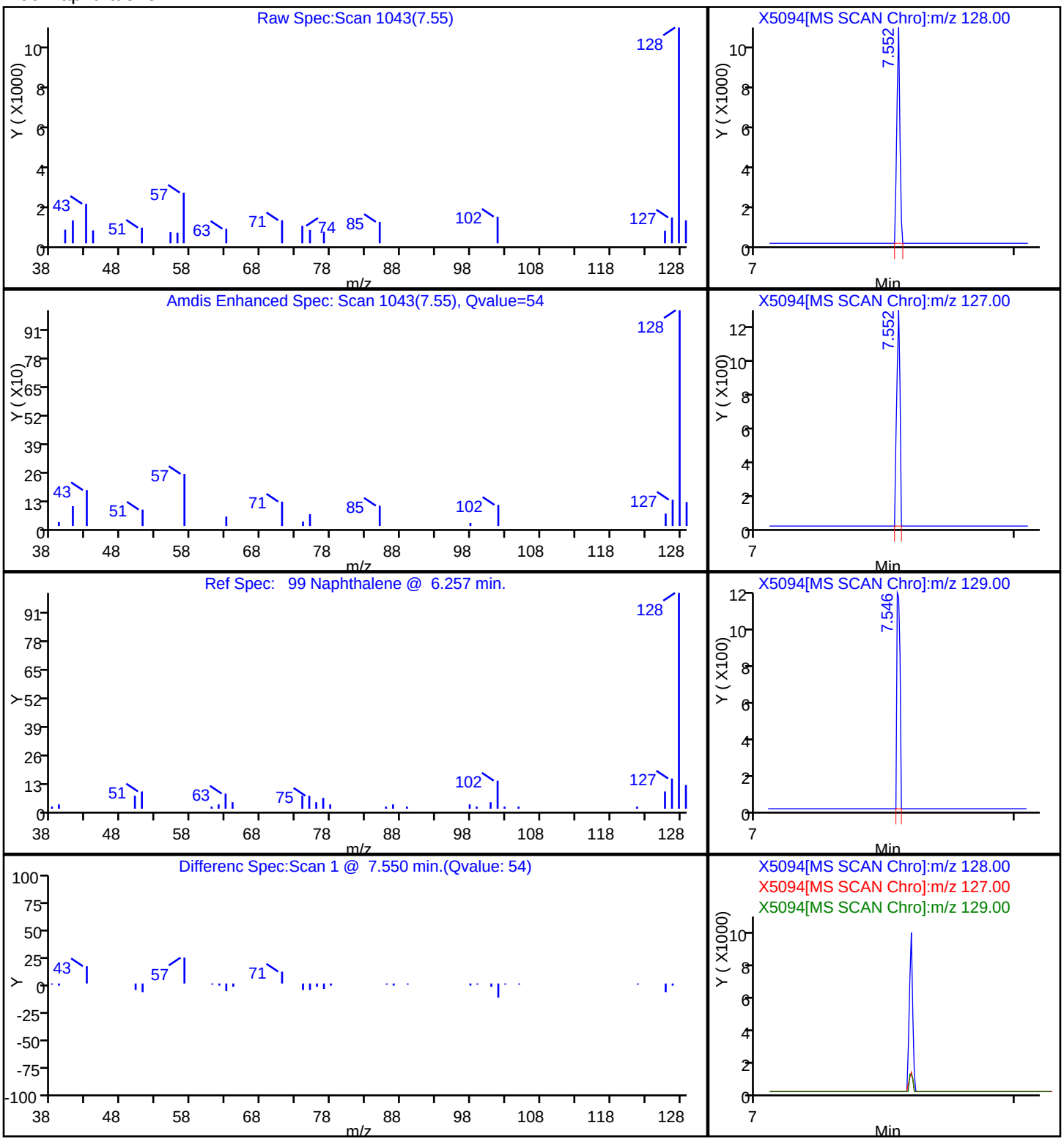
208 Indeno[1,2,3-cd]pyrene



Report Date: 10-Apr-2012 10:41:49 Chrom Revision: 2.0 20-Feb-2012 13:27:02

Data File:	\\Bufchrom\ChromData\HP5973X\20120409-10842.b\X5094.D		
Injection Date:	09-Apr-2012 19:04:30	Limit Group:	MB - 8270C ICAL
Client ID:	RB-05 (6"-12"	Instrument ID:	HP5973X
Lims Batch ID:	58786	Lims Sample ID:	7
Operator ID:	RMM	Injection Vol:	1.00 ul
Column Type:	RXI-5Sil MS	Column Dia:	0.25 mm

99 Naphthalene

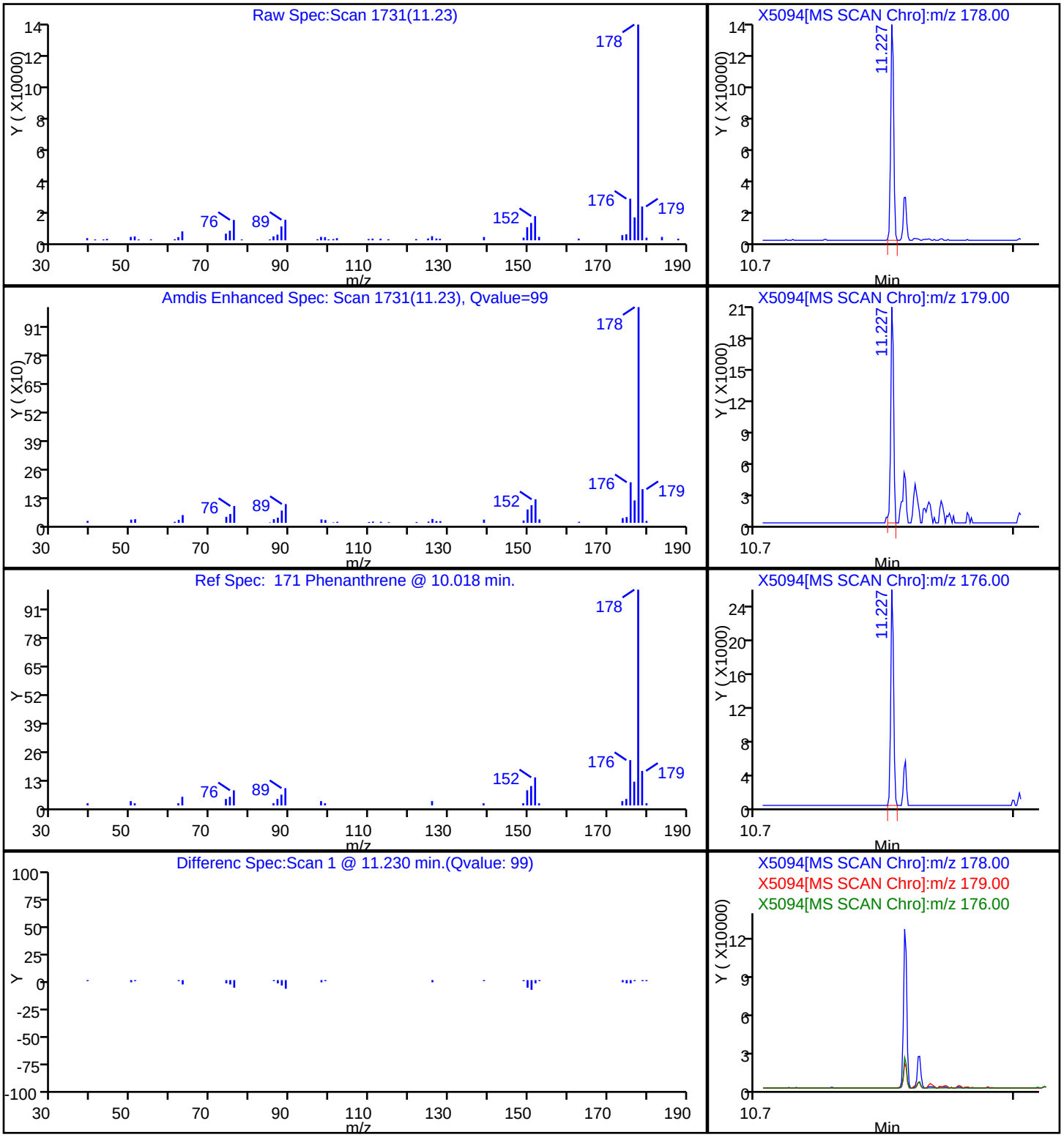


Report Date: 10-Apr-2012 10:41:50 Chrom Revision: 2.0 20-Feb-2012 13:27:02

Data File: \\Bufchrom\ChromData\HP5973X\20120409-10842.b\X5094.D

Injection Date:	09-Apr-2012 19:04:30	Limit Group:	MB - 8270C ICAL
Client ID:	RB-05 (6"-12"	Instrument ID:	HP5973X
Lims Batch ID:	58786	Lims Sample ID:	7
Operator ID:	RMM	Injection Vol:	1.00 ul
Column Type:	RXI-5Sil MS	Column Dia:	0.25 mm

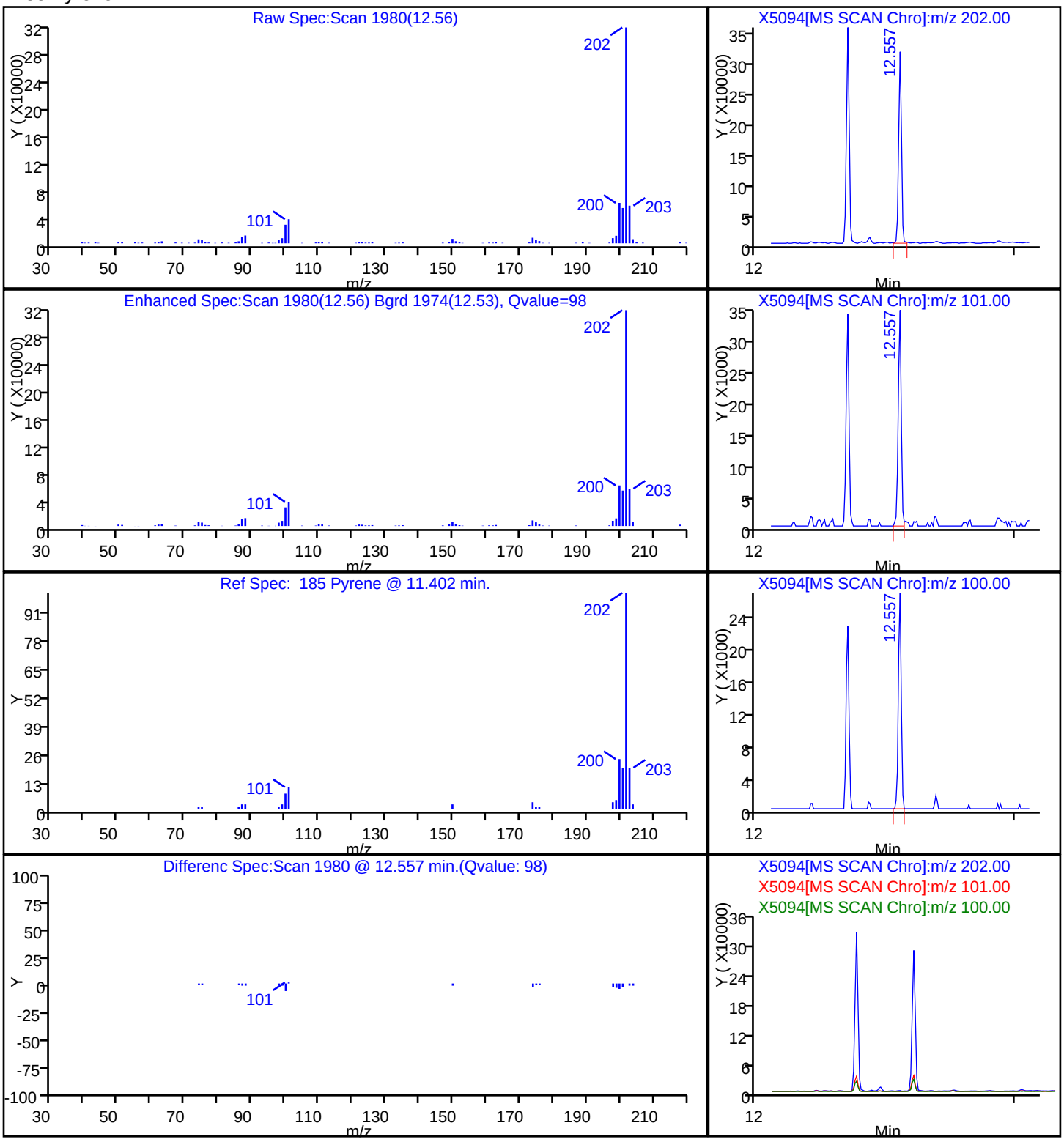
171 Phenanthrene



Report Date: 10-Apr-2012 10:41:50 Chrom Revision: 2.0 20-Feb-2012 13:27:02

Data File:	\\Bufchrom\ChromData\HP5973X\20120409-10842.b\X5094.D		
Injection Date:	09-Apr-2012 19:04:30	Limit Group:	MB - 8270C ICAL
Client ID:	RB-05 (6"-12"	Instrument ID:	HP5973X
Lims Batch ID:	58786	Lims Sample ID:	7
Operator ID:	RMM	Injection Vol:	1.00 ul
Column Type:	RXI-5Sil MS	Column Dia:	0.25 mm

185 Pyrene



Report Date: 10-Apr-2012 10:41:50 Chrom Revision: 2.0 20-Feb-2012 13:27:02

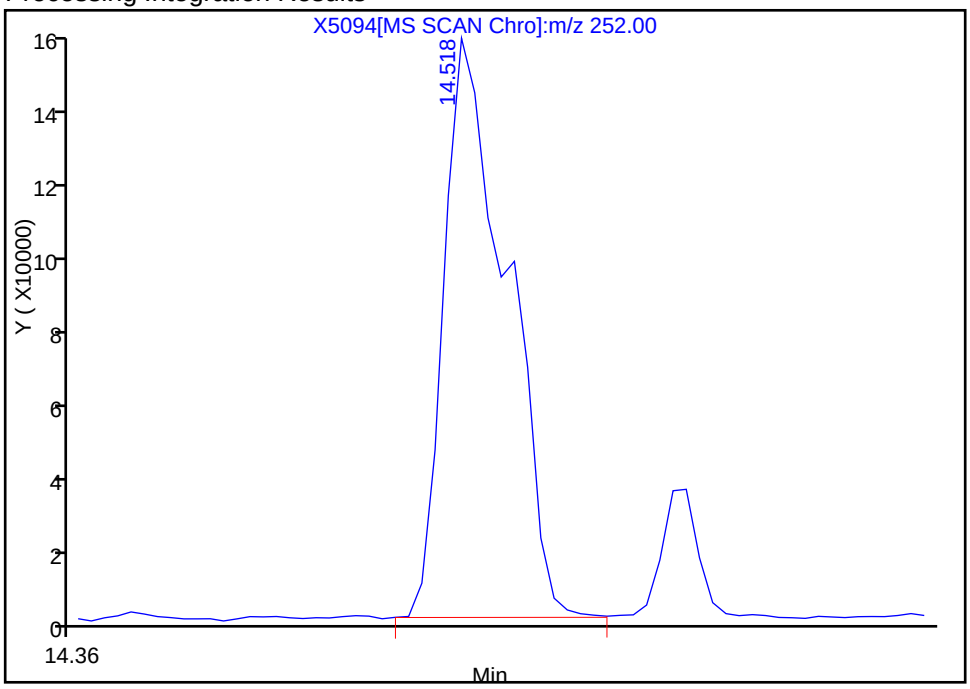
Manual Integration/User Assign Peak Report

Data File:	\\Bufchrom\ChromData\HP5973X\20120409-10842.b\X5094.D		
Injection Date:	09-Apr-2012 19:04:30	Limit Group:	MB - 8270C ICAL
Client ID:	RB-05 (6"-12"	Instrument ID:	HP5973X
Lims Batch ID:	58786	Lims Sample ID:	7
Operator ID:	RMM	Injection Vol:	1.00 ul
Column Type:	RXI-5Sil MS	Column Dia:	0.25 mm

203 Benzo[b]fluoranthene, Signal: 1, m/z: 252.0 Type: quant, RT: 14.52

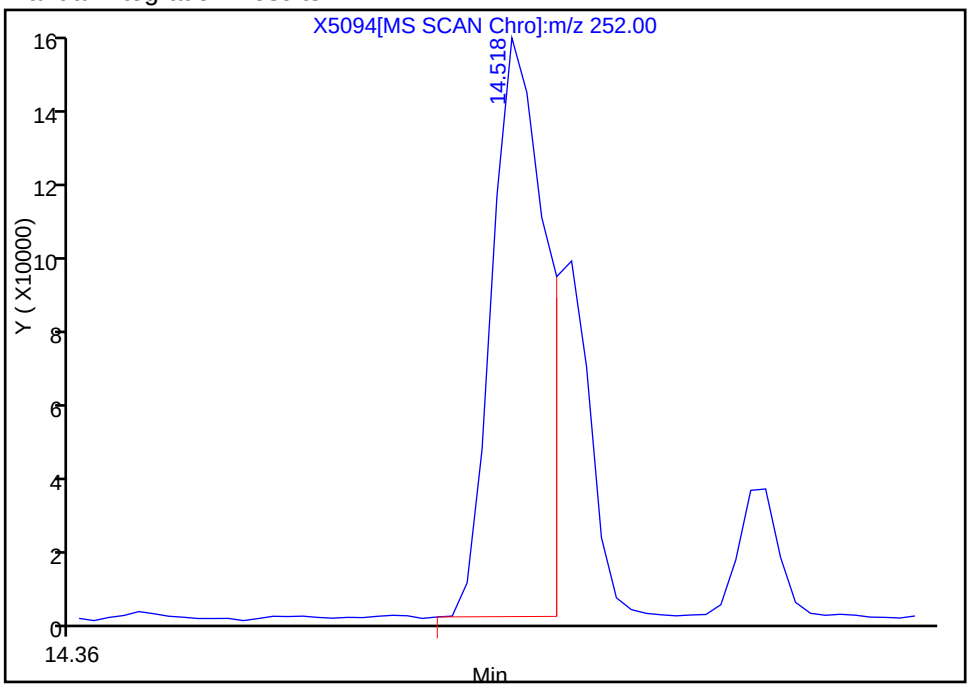
Processing Integration Results

RT: 14.52
Response: 275743
Amount: 23.770014



Manual Integration Results

RT: 14.52
Response: 213205
Amount: 18.379019



Reviewer: mckernar, 10-Apr-2012 10:41:49
Audit Action: Split an Integrated Peak
Audit Reason: Coelution

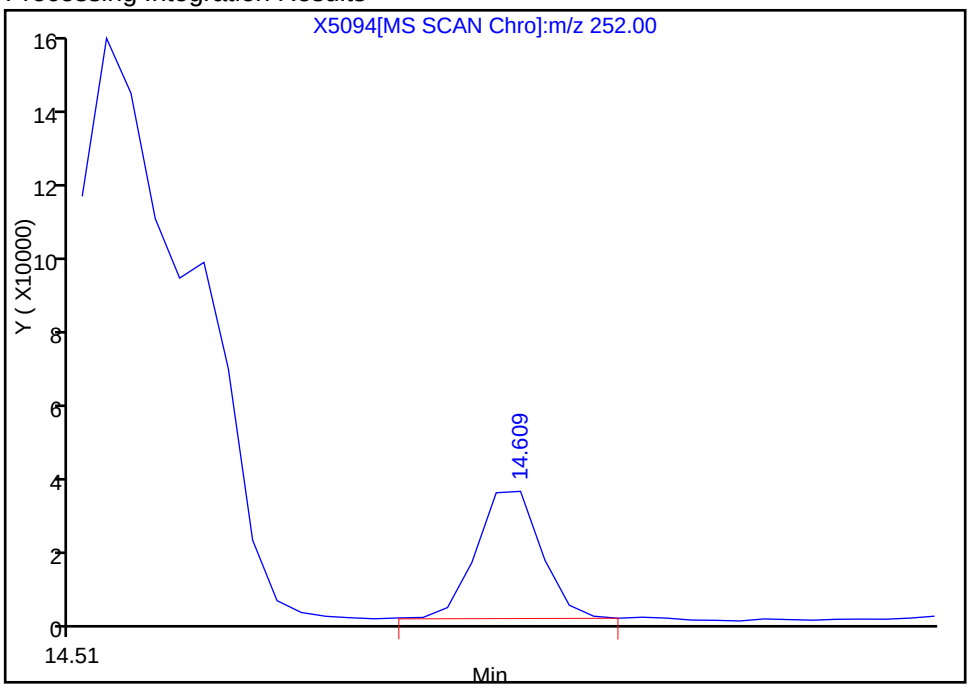
Manual Integration/User Assign Peak Report

Data File:	\\Bufchrom\ChromData\HP5973X\20120409-10842.b\X5094.D		
Injection Date:	09-Apr-2012 19:04:30	Limit Group:	MB - 8270C ICAL
Client ID:	RB-05 (6"-12"	Instrument ID:	HP5973X
Lims Batch ID:	58786	Lims Sample ID:	7
Operator ID:	RMM	Injection Vol:	1.00 ul
Column Type:	RXI-5Sil MS	Column Dia:	0.25 mm

204 Benzo[k]fluoranthene, Signal: 1, m/z: 252.0 Type: quant, RT: 14.55

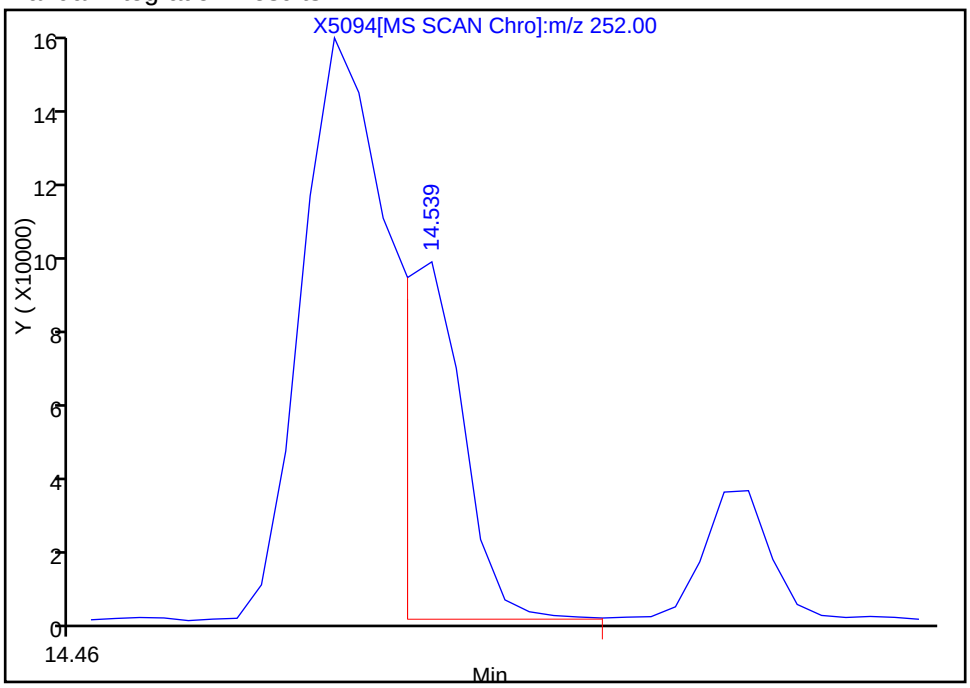
Processing Integration Results

RT: 14.61
Response: 34119
Amount: 2.772440



Manual Integration Results

RT: 14.54
Response: 91644
Amount: 7.446802

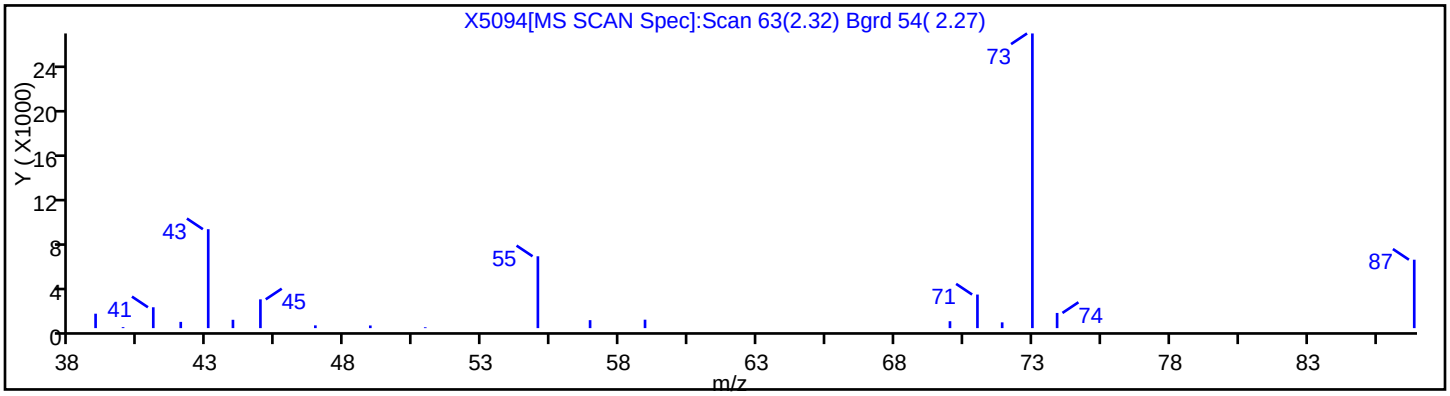


Reviewer: mckernar, 10-Apr-2012 10:41:49
Audit Action: Split an Integrated Peak
Audit Reason: Coelution

Report Date: 10-Apr-2012 10:41:50 Chrom Revision: 2.0 20-Feb-2012 13:27:02

Data File:	\\Bufchrom\ChromData\HP5973X\20120409-10842.b\X5094.D		
Injection Date:	09-Apr-2012 19:04:30	Limit Group:	MB - 8270C ICAL
Client ID:	RB-05 (6"-12"	Instrument ID:	HP5973X
Lims Batch ID:	58786	Lims Sample ID:	7
Operator ID:	RMM	Injection Vol:	1.00 ul
Column Type:	RXI-5Sil MS	Column Dia:	0.25 mm

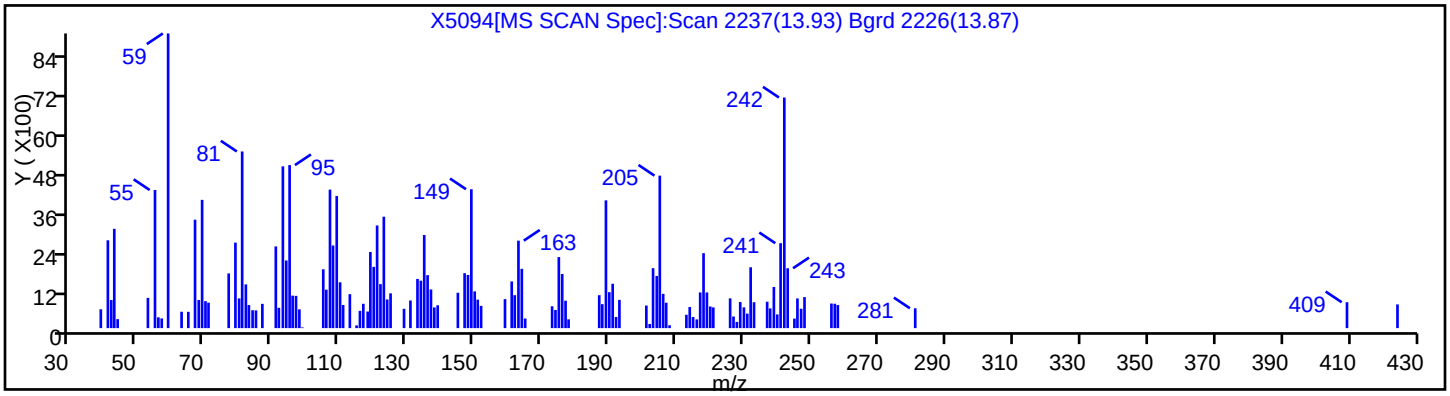
No Library Matches Found above the Threshold: 85



Report Date: 10-Apr-2012 10:41:50 Chrom Revision: 2.0 20-Feb-2012 13:27:02

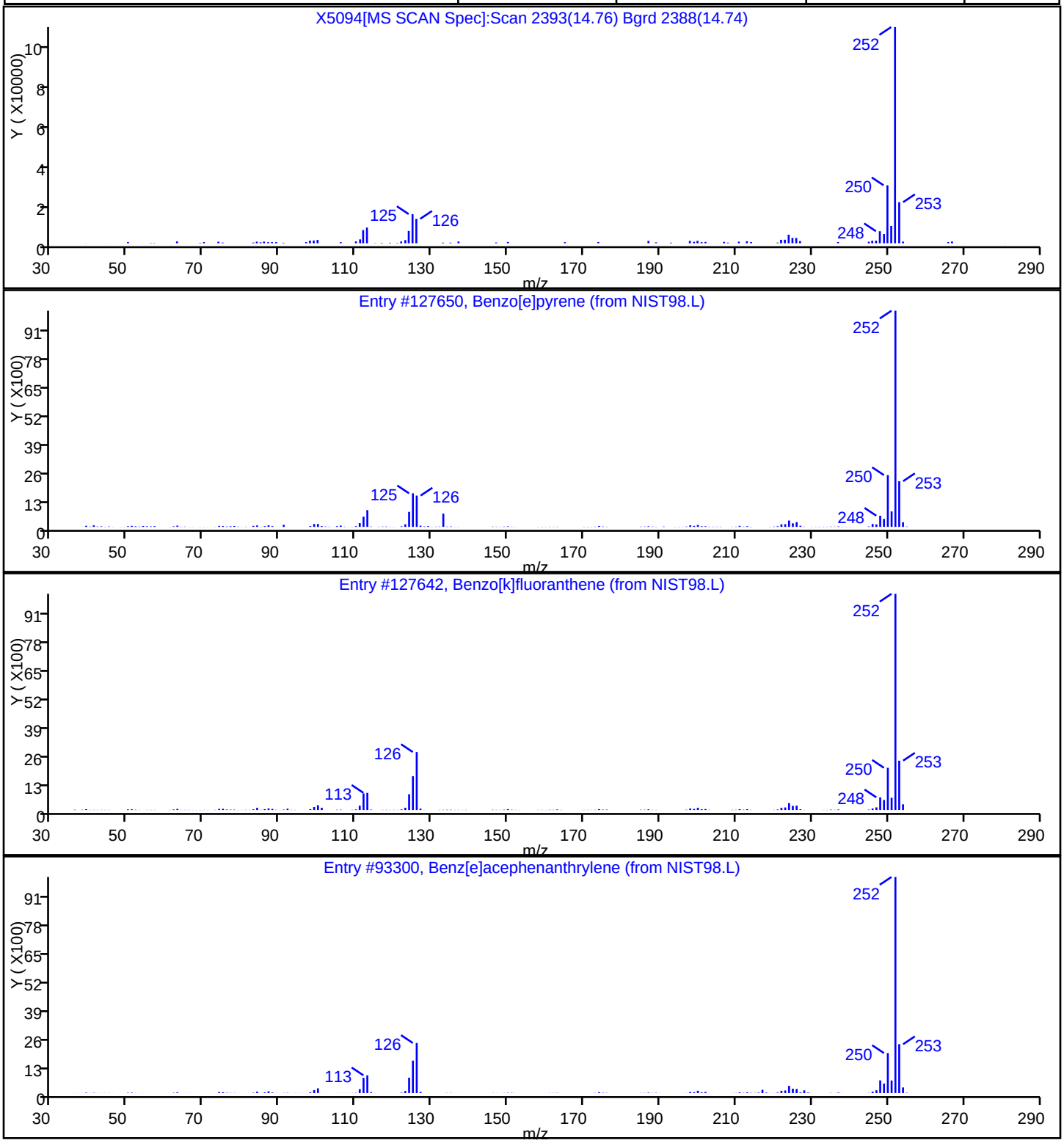
Data File:	\\Bufchrom\ChromData\HP5973X\20120409-10842.b\X5094.D		
Injection Date:	09-Apr-2012 19:04:30	Limit Group:	MB - 8270C ICAL
Client ID:	RB-05 (6"-12"	Instrument ID:	HP5973X
Lims Batch ID:	58786	Lims Sample ID:	7
Operator ID:	RMM	Injection Vol:	1.00 ul
Column Type:	RXI-5Sil MS	Column Dia:	0.25 mm

No Library Matches Found above the Threshold: 85



Report Date: 10-Apr-2012 10:41:50 Chrom Revision: 2.0 20-Feb-2012 13:27:02
Data File: \\Bufchrom\ChromData\HP5973X\20120409-10842.b\X5094.D
Injection Date: 09-Apr-2012 19:04:30 Limit Group: MB - 8270C ICAL
Client ID: RB-05 (6"-12" Instrument ID: HP5973X
Lims Batch ID: 58786 Lims Sample ID: 7
Operator ID: RMM Injection Vol: 1.00 ul
Column Type: RXI-5Sil MS Column Dia: 0.25 mm

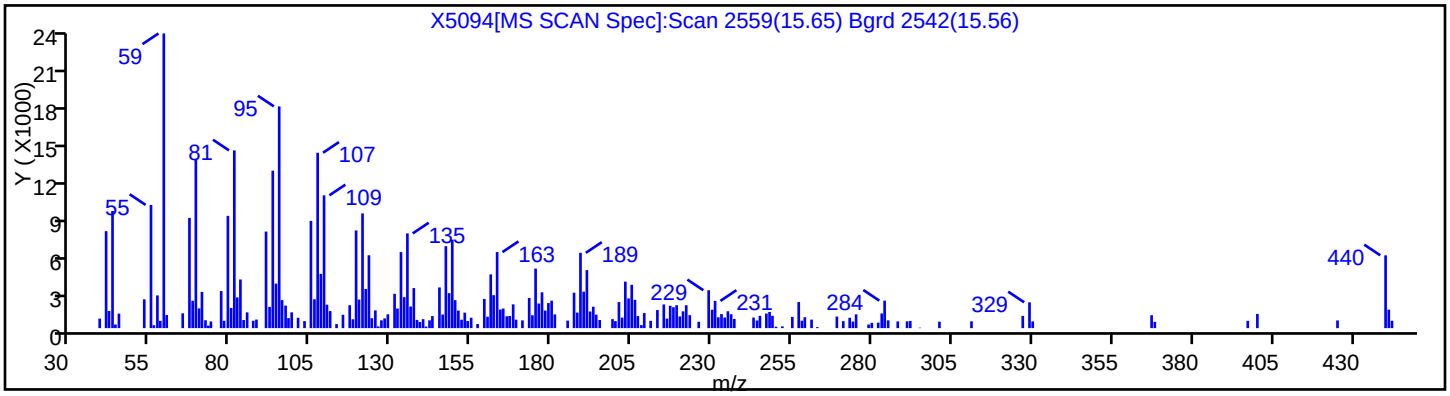
Library Search Compound Match	CAS Number	Library	Entry	Quality
Benzo[e]pyrene	192-97-2	NIST98.L	127650	94
Benzo[k]fluoranthene	207-8-9	NIST98.L	127642	93
Benz[e]acephenanthrylene	205-99-2	NIST98.L	93300	93



Report Date: 10-Apr-2012 10:41:50 Chrom Revision: 2.0 20-Feb-2012 13:27:02

Data File:	\\Bufchrom\ChromData\HP5973X\20120409-10842.b\X5094.D		
Injection Date:	09-Apr-2012 19:04:30	Limit Group:	MB - 8270C ICAL
Client ID:	RB-05 (6"-12"	Instrument ID:	HP5973X
Lims Batch ID:	58786	Lims Sample ID:	7
Operator ID:	RMM	Injection Vol:	1.00 ul
Column Type:	RXI-5Sil MS	Column Dia:	0.25 mm

No Library Matches Found above the Threshold: 85



FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Buffalo | Job No.: 480-18068-1

SDG No.:

Client Sample ID: RB-05 (12"-24") | Lab Sample ID: 480-18068-9

Matrix: Solid | Lab File ID: X5095.D

Analysis Method: 8270C | Date Collected: 04/02/2012 15:25

Extract. Method: 3550B | Date Extracted: 04/05/2012 10:44

Sample wt/vol: +30.63(g) | Date Analyzed: 04/09/2012 19:28

Con. Extract Vol.: 1(mL) | Dilution Factor: 10

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

% Moisture: 15.6 | GPC Cleanup:(Y/N) N

Analysis Batch No.: 58786 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
95-95-4	2,4,5-Trichlorophenol	ND		2000	430
88-06-2	2,4,6-Trichlorophenol	ND		2000	130
120-83-2	2,4-Dichlorophenol	ND		2000	100
105-67-9	2,4-Dimethylphenol	ND		2000	530
51-28-5	2,4-Dinitrophenol	ND		3800	690
121-14-2	2,4-Dinitrotoluene	ND		2000	300
606-20-2	2,6-Dinitrotoluene	ND		2000	480
91-58-7	2-Chloronaphthalene	ND		2000	130
95-57-8	2-Chlorophenol	ND		2000	100
91-57-6	2-Methylnaphthalene	570	J	2000	24
95-48-7	2-Methylphenol	ND		2000	60
88-74-4	2-Nitroaniline	ND		3800	630
88-75-5	2-Nitrophenol	ND		2000	90
91-94-1	3,3'-Dichlorobenzidine	ND		2000	1700
99-09-2	3-Nitroaniline	ND		3800	450
534-52-1	4,6-Dinitro-2-methylphenol	ND		3800	680
101-55-3	4-Bromophenyl phenyl ether	ND		2000	620
59-50-7	4-Chloro-3-methylphenol	ND		2000	81
106-47-8	4-Chloroaniline	ND		2000	570
7005-72-3	4-Chlorophenyl phenyl ether	ND		2000	42
106-44-5	4-Methylphenol	ND		3800	110
100-01-6	4-Nitroaniline	ND		3800	220
100-02-7	4-Nitrophenol	ND	*	3800	470
83-32-9	Acenaphthene	1000	J	2000	23
208-96-8	Acenaphthylene	450	J	2000	16
98-86-2	Acetophenone	ND		2000	100
120-12-7	Anthracene	1600	J	2000	50
1912-24-9	Atrazine	ND	*	2000	87
100-52-7	Benzaldehyde	ND		2000	210
56-55-3	Benzo(a)anthracene	5100		2000	34
50-32-8	Benzo(a)pyrene	6200		2000	47
205-99-2	Benzo(b)fluoranthene	7700		2000	38
191-24-2	Benzo(g,h,i)perylene	4300		2000	24
207-08-9	Benzo(k)fluoranthene	2900		2000	22

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Buffalo | Job No.: 480-18068-1

SDG No.:

Client Sample ID: RB-05 (12"-24") | Lab Sample ID: 480-18068-9

Matrix: Solid | Lab File ID: X5095.D

Analysis Method: 8270C | Date Collected: 04/02/2012 15:25

Extract. Method: 3550B | Date Extracted: 04/05/2012 10:44

Sample wt/vol: +30.63(g) | Date Analyzed: 04/09/2012 19:28

Con. Extract Vol.: 1(mL) | Dilution Factor: 10

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

% Moisture: 15.6 | GPC Cleanup:(Y/N) N

Analysis Batch No.: 58786 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
92-52-4	Biphenyl	140	J	2000	120
108-60-1	bis (2-chloroisopropyl) ether	ND		2000	200
111-91-1	Bis(2-chloroethoxy)methane	ND		2000	110
111-44-4	Bis(2-chloroethyl)ether	ND		2000	170
117-81-7	Bis(2-ethylhexyl) phthalate	ND		2000	630
85-68-7	Butyl benzyl phthalate	ND		2000	530
105-60-2	Caprolactam	ND		2000	850
86-74-8	Carbazole	1300	J	2000	23
218-01-9	Chrysene	5600		2000	20
53-70-3	Dibenz(a,h)anthracene	1300	J	2000	23
132-64-9	Dibenzofuran	920	J	2000	20
84-66-2	Diethyl phthalate	ND		2000	59
131-11-3	Dimethyl phthalate	ND		2000	51
84-74-2	Di-n-butyl phthalate	ND		2000	680
117-84-0	Di-n-octyl phthalate	ND		2000	46
206-44-0	Fluoranthene	12000		2000	28
86-73-7	Fluorene	990	J	2000	45
118-74-1	Hexachlorobenzene	ND		2000	97
87-68-3	Hexachlorobutadiene	ND		2000	100
77-47-4	Hexachlorocyclopentadiene	ND		2000	590
67-72-1	Hexachloroethane	ND		2000	150
193-39-5	Indeno(1,2,3-cd)pyrene	4000		2000	54
78-59-1	Isophorone	ND		2000	98
91-20-3	Naphthalene	1700	J	2000	33
98-95-3	Nitrobenzene	ND		2000	87
621-64-7	N-Nitrosodi-n-propylamine	ND		2000	160
86-30-6	N-Nitrosodiphenylamine	ND		2000	110
87-86-5	Pentachlorophenol	ND		3800	670
85-01-8	Phenanthrene	9400		2000	41
108-95-2	Phenol	ND		2000	210
129-00-0	Pyrene	9700		2000	13

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Buffalo Job No.: 480-18068-1

SDG No.:

Client Sample ID: RB-05 (12"-24") Lab Sample ID: 480-18068-9

Matrix: Solid Lab File ID: X5095.D

Analysis Method: 8270C Date Collected: 04/02/2012 15:25

Extract. Method: 3550B Date Extracted: 04/05/2012 10:44

Sample wt/vol: +30.63(g) Date Analyzed: 04/09/2012 19:28

Con. Extract Vol.: 1(mL) Dilution Factor: 10

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

% Moisture: 15.6 GPC Cleanup:(Y/N) N

Analysis Batch No.: 58786 Units: ug/Kg

CAS NO.	SURROGATE	%REC	Q	LIMITS
118-79-6	2,4,6-Tribromophenol	94		39-146
321-60-8	2-Fluorobiphenyl	97		37-120
367-12-4	2-Fluorophenol	75		18-120
4165-60-0	Nitrobenzene-d5	82		34-132
4165-62-2	Phenol-d5	85		11-120
1718-51-0	p-Terphenyl-d14	113		65-153

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

Lab Name: TestAmerica Buffalo | Job No.: 480-18068-1

SDG No.:

Client Sample ID: RB-05 (12"-24") | Lab Sample ID: 480-18068-9

Matrix: Solid | Lab File ID: X5095.D

Analysis Method: 8270C | Date Collected: 04/02/2012 15:25

Extract. Method: 3550B | Date Extracted: 04/05/2012 10:44

Sample wt/vol: +30.63(g) | Date Analyzed: 04/09/2012 19:28

Con. Extract Vol.: 1(mL) | Dilution Factor: 10

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

% Moisture: 15.6 | GPC Cleanup:(Y/N) N

Analysis Batch No.: 58786 | Units: ug/Kg

Number TICs Found: 2 | TIC Result Total: 6500

CAS NO.	COMPOUND NAME	RT	RESULT	Q
	Unknown	2.32	2800	T J
205-82-3	Benzo[j]fluoranthene	14.76	3700	T J N

TestAmerica Laboratories
Target Compound Quantitation Report

Data File:	\\Bufchrom\ChromData\HP5973X\20120409-10842.b\X5095.D		
Lims ID:	480-18068-C-9-C	Client ID:	RB-05 (12"-24")
Inject. Date:	09-Apr-2012 19:28:30	Dil. Factor:	10.0000
Sample Type:	Client		
Sample ID:	480-0010842-008		
Misc. Info.:			
Operator:	RMM	Instrument ID:	HP5973X
Vol. Injected:	1.0000	ALS Bottle#:	8
Lims Batch ID:	58786	Lims Sample ID:	8
Detector:	MS SCAN		
Method:	\\Bufchrom\ChromData\HP5973X\20120409-10842.b\X-8270.m		
Last Update:	10-Apr-2012 10:41:49	Calib Date:	09-Apr-2012 15:39:30
Quant Method:	Internal Standard	Quant By:	Initial Calibration
Last ICal File:	\\Bufchrom\ChromData\HP5973X\20120409-10830.b\X5085.D		
Limit Group:	MB - 8270C ICAL		
Integrator:	RTE	ID Type:	Deconvolution ID
Process Host:	CORP-CTX-19		
First Level Reviewer: mckernar		Date:	10-Apr-2012 10:46:25

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ng/uL	Flags
* 1 1,4-Dichlorobenzene-d4	152	6.034	6.040	-0.006	97	110071	40.0	
* 2 Naphthalene-d8	136	7.536	7.536	0.0	93	397585	40.0	
* 3 Acenaphthene-d10	164	9.603	9.603	0.0	54	225160	40.0	
* 4 Phenanthrene-d10	188	11.206	11.211	-0.005	99	402248	40.0	
* 5 Chrysene-d12	240	13.615	13.620	-0.005	100	379212	40.0	
* 6 Perylene-d12	264	14.860	14.865	-0.005	100	445019	40.0	
$ 7 2-Fluorophenol	112	4.469	4.475	-0.006	92	49012	11.3	
$ 8 Phenol-d5	99	5.596	5.602	-0.006	72	65870	12.7	
$ 9 Nitrobenzene-d5	82	6.686	6.697	-0.011	94	36843	8.17	
$ 10 2-Fluorobiphenyl	172	8.812	8.823	-0.011	99	70395	9.67	
$ 11 2,4,6-Tribromophenol	330	10.490	10.501	-0.011	63	11349	14.1	
$ 12 p-Terphenyl-d14	244	12.696	12.707	-0.011	96	90295	11.3	
62 Benzaldehyde	77		5.532					
63 Phenol	94		5.618					
66 Bis(2-chloroethyl)ether	93		5.735					
67 2-Chlorophenol	128		5.789					
73 2-Methylphenol	108		6.339					
74 2,2'-oxybis[1-chloropropane]	45		6.376					
76 Acetophenone	105		6.515					
79 4-Methylphenol	108		6.526					
78 N-Nitrosodi-n-propylamine	70		6.531					
81 Hexachloroethane	117		6.633					
83 Nitrobenzene	77		6.724					
86 Isophorone	82		7.012					
87 2-Nitrophenol	139		7.098					
89 2,4-Dimethylphenol	107		7.162					
94 Bis(2-chloroethoxy)methane	93		7.279					
97 2,4-Dichlorophenol	162		7.381					
99 Naphthalene	128	7.557	7.573	-0.016	95	43262	4.44	
101 4-Chloroaniline	127		7.648					
104 Hexachlorobutadiene	225		7.723					

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ng/uL	Flags
105 Caprolactam	113		8.038					
110 4-Chloro-3-methylphenol	107		8.214					
113 2-Methylnaphthalene	142	8.374	8.385	-0.011	64	8852	1.47	
116 Hexachlorocyclopentadiene	237		8.567					
118 2,4,6-Trichlorophenol	196		8.716					
119 2,4,5-Trichlorophenol	196		8.754					
123 1,1'-Biphenyl	154	8.930	8.930	0.0	1	2869	0.3600	
124 2-Chloronaphthalene	162		8.951					
125 2-Nitroaniline	65		9.090					
128 Dimethyl phthalate	163		9.320					
130 2,6-Dinitrotoluene	165		9.384					
131 Acenaphthylene	152	9.432	9.443	-0.011	73	11475	1.17	
132 3-Nitroaniline	138		9.582					
133 Acenaphthene	153	9.635	9.646	-0.011	87	15962	2.68	
134 2,4-Dinitrophenol	184		9.699					
135 4-Nitrophenol	109		9.785					
138 Dibenzofuran	168	9.843	9.849	-0.006	84	20552	2.38	
137 2,4-Dinitrotoluene	165		9.854					
142 Diethyl phthalate	149		10.143					
144 Fluorene	166	10.228	10.239	-0.011	90	18231	2.57	
145 4-Chlorophenyl phenyl ether	204		10.250					
147 4-Nitroaniline	138		10.282					
148 4,6-Dinitro-2-methylphenol	198		10.308					
149 N-Nitrosodiphenylamine	169		10.383					
159 4-Bromophenyl phenyl ether	248		10.773					
160 Hexachlorobenzene	284		10.821					
163 Atrazine	200		10.955					
165 Pentachlorophenol	266		11.030					
171 Phenanthrene	178	11.232	11.238	-0.006	99	237408	24.2	
172 Anthracene	178	11.280	11.291	-0.011	98	41491	4.20	
173 Carbazole	167	11.446	11.457	-0.011	96	32090	3.34	
176 Di-n-butyl phthalate	149		11.804					
182 Fluoranthene	202	12.354	12.360	-0.006	98	349729	30.1	
185 Pyrene	202	12.557	12.568	-0.011	98	299770	25.0	
192 Butyl benzyl phthalate	149		13.134					
196 3,3'-Dichlorobenzidine	252		13.594					
197 Benzo[a]anthracene	228	13.604	13.615	-0.011	66	150646	13.3	
198 Bis(2-ethylhexyl) phthalate	149		13.626					
199 Chrysene	228	13.636	13.647	-0.011	98	166462	14.6	
201 Di-n-octyl phthalate	149		14.165					
203 Benzo[b]fluoranthene	252	14.512	14.523	-0.011	99	236241	19.9	
204 Benzo[k]fluoranthene	252	14.534	14.534	-0.016	92	94341	7.48	M
206 Benzo[a]pyrene	252	14.806	14.806	-0.017	97	167897	16.0	
208 Indeno[1,2,3-cd]pyrene	276	15.923	15.944	-0.021	89	121186	10.4	
209 Dibenz(a,h)anthracene	278	15.928	15.955	-0.027	54	33921	3.26	
210 Benzo[g,h,i]perylene	276	16.227	16.254	-0.027	98	108550	11.0	

QC Flag Legend

Review Flags
M - Manually Integrated

TestAmerica Laboratories
Tentatively Identified Quantitation Report

Data File:	\\Bufchrom\ChromData\HP5973X\20120409-10842.b\X5095.D		
Lims ID:	480-18068-C-9-C	Client ID:	RB-05 (12"-24")
Inject. Date:	09-Apr-2012 19:28:30	Dil. Factor:	10.0000
Sample Type:	Client		
Sample ID:	480-0010842-008		
Misc. Info.:			
Operator:	RMM	Instrument ID:	HP5973X
Vol. Injected:	1.0000	ALS Bottle#:	8
Lims Batch ID:	58786	Lims Sample ID:	8
Detector:	MS SCAN		
Method:	\\Bufchrom\ChromData\HP5973X\20120409-10842.b\X-8270.m		
Last Update:	10-Apr-2012 10:41:49	Calib Date:	09-Apr-2012 15:39:30
Tic RT Window:	1.500 -0.000	Response:	area
Quant By:	Nearest ISTD	Quant LOD:	10.00000
MS Library:	\\Bufchrom\ChromData\Database\NIST98.L		
Min. Match:	85		
Process Host:	CORP-CTX-19		
First Level Reviewer: mckernar		Date:	10-Apr-2012 10:46:25

Calibrated Tentative Identified Compound Results

Compound	RT	Response	Amount ng/uL	Flags
1-Methylnaphthalene (TIC)	8.374	8852	1.57	
Anthraquinone	11.996	12861		

Tentative Identified Compound Results

RT	Response	Amount ng/uL	Quant Cpnd	Qual	Lib Entry	Flags
	Unknown					
2.316	134083	7.35	1			
205-82-3	Benzo[j]fluoranthene					
14.758	313986	9.64	6	95	93378	

Quantitation Compounds

Compound	RT	Response	Amount ng/uL
* 1 1,4-Dichlorobenzene-d4	6.034	729610	40.0
* 6 Perylene-d12	14.860	1302643	40.0

QC Flag Legend

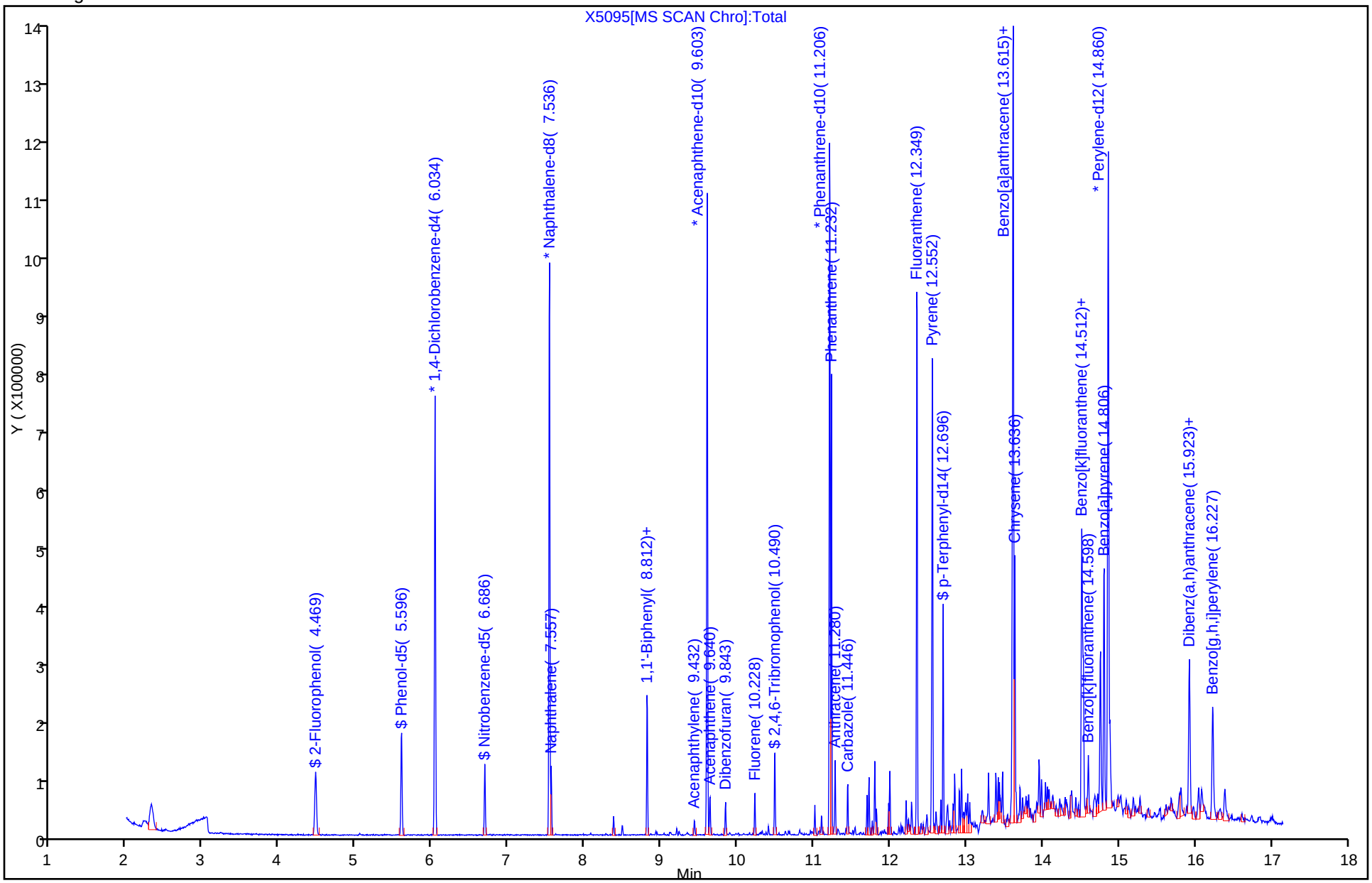
Processing Flags

Report Date: 10-Apr-2012 10:46:25 Chrom Revision: 2.0 20-Feb-2012 13:27:02

Data File: \\Bufchrom\ChromData\HP5973X\20120409-10842.b\X5095.D

Injection Date:	09-Apr-2012 19:28:30	Limit Group:	MB - 8270C ICAL
Client ID:	RB-05 (12"-24")	Instrument ID:	HP5973X
Lims Batch ID:	58786	Lims Sample ID:	8
Operator ID:	RMM	Injection Vol:	1.00 ul
Column Type:	RXI-5Sil MS	Column Dia:	0.25 mm

Y Scaling:

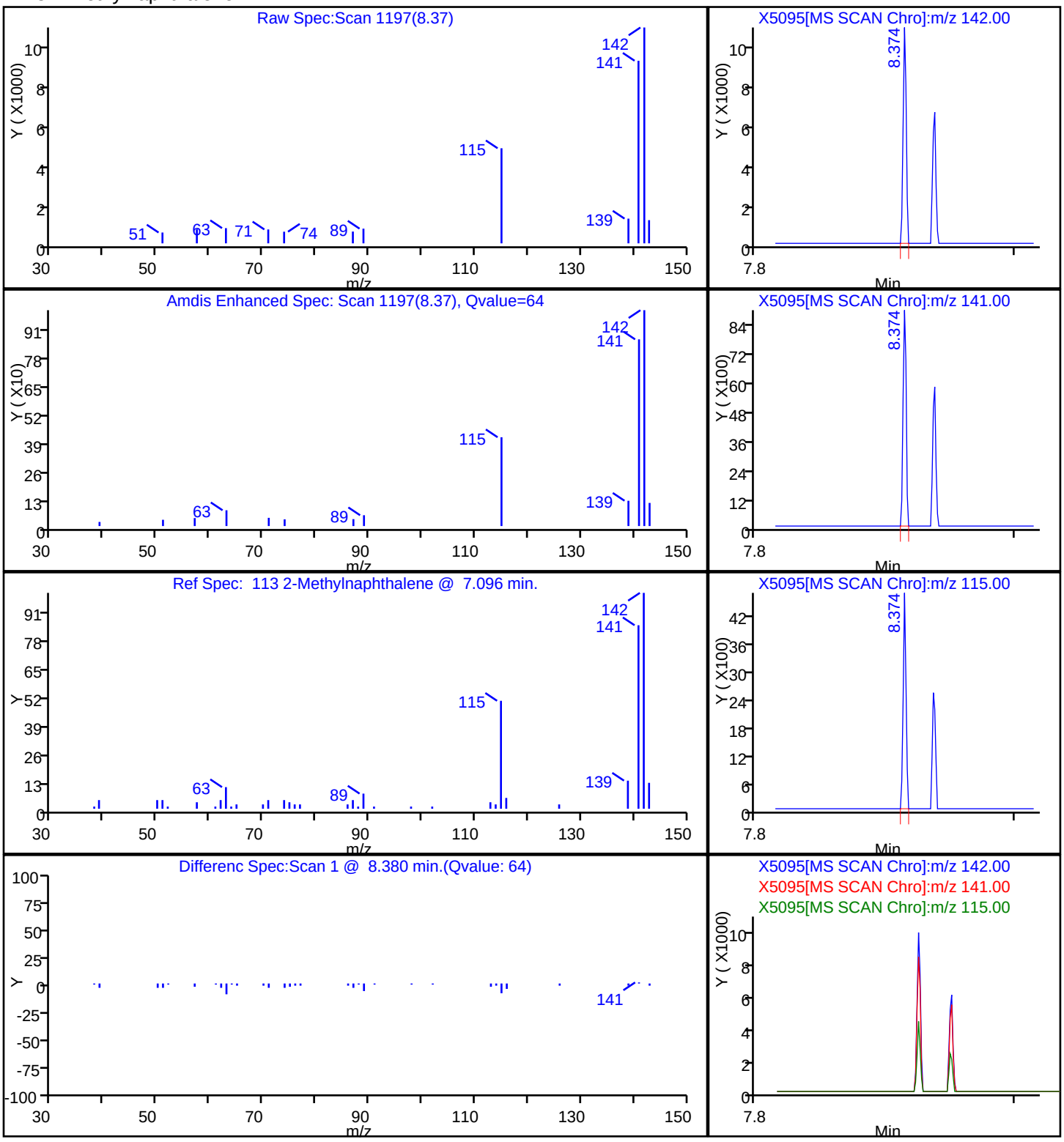


Report Date: 10-Apr-2012 10:46:25 Chrom Revision: 2.0 20-Feb-2012 13:27:02

Data File: \\Bufchrom\ChromData\HP5973X\20120409-10842.b\X5095.D

Injection Date:	09-Apr-2012 19:28:30	Limit Group:	MB - 8270C ICAL
Client ID:	RB-05 (12"-24")	Instrument ID:	HP5973X
Lims Batch ID:	58786	Lims Sample ID:	8
Operator ID:	RMM	Injection Vol:	1.00 ul
Column Type:	RXI-5Sil MS	Column Dia:	0.25 mm

113 2-Methylnaphthalene

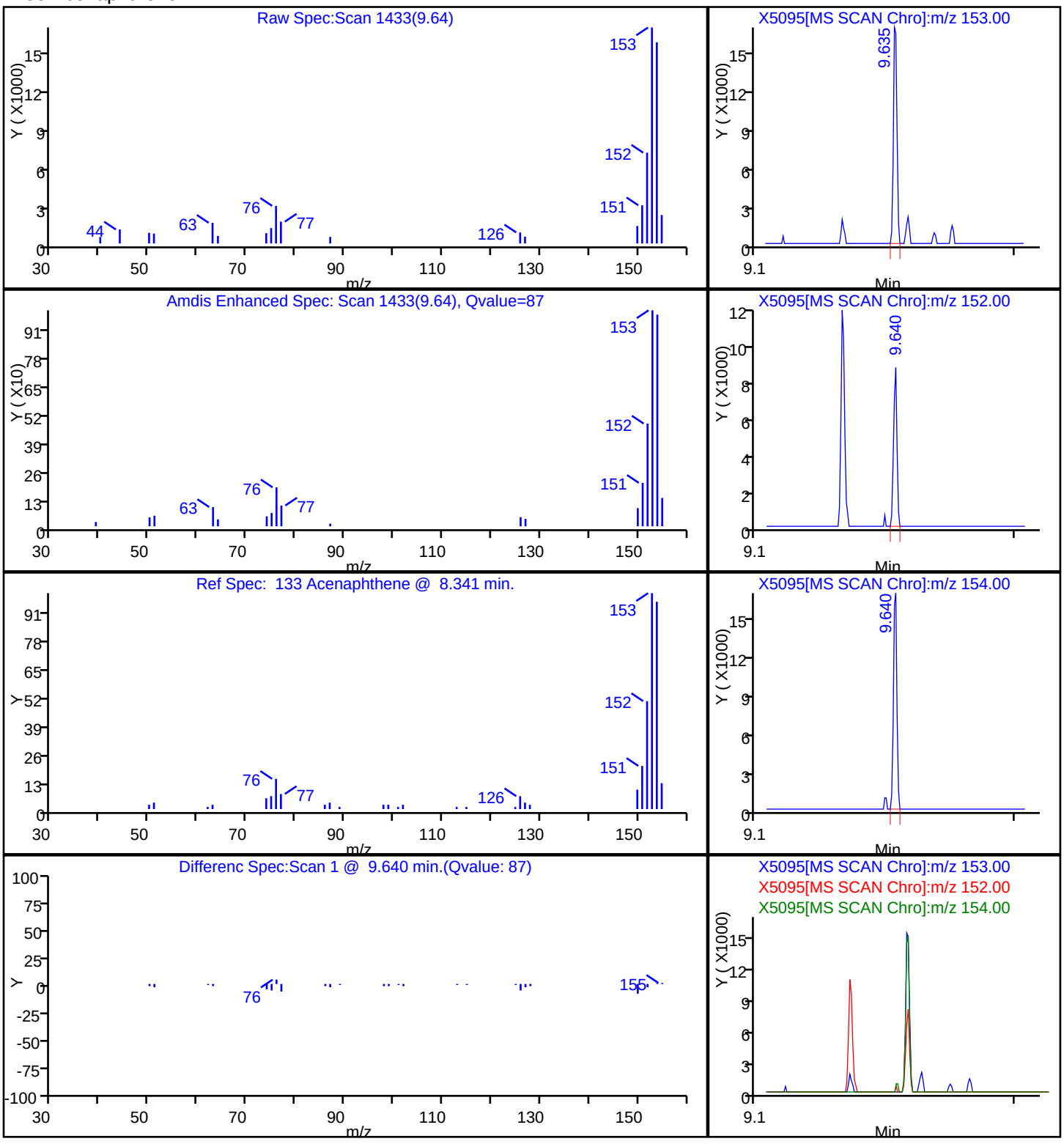


Report Date: 10-Apr-2012 10:46:25 Chrom Revision: 2.0 20-Feb-2012 13:27:02

Data File: \\Bufchrom\ChromData\HP5973X\20120409-10842.b\X5095.D

Injection Date:	09-Apr-2012 19:28:30	Limit Group:	MB - 8270C ICAL
Client ID:	RB-05 (12"-24")	Instrument ID:	HP5973X
Lims Batch ID:	58786	Lims Sample ID:	8
Operator ID:	RMM	Injection Vol:	1.00 ul
Column Type:	RXI-5Sil MS	Column Dia:	0.25 mm

133 Acenaphthene

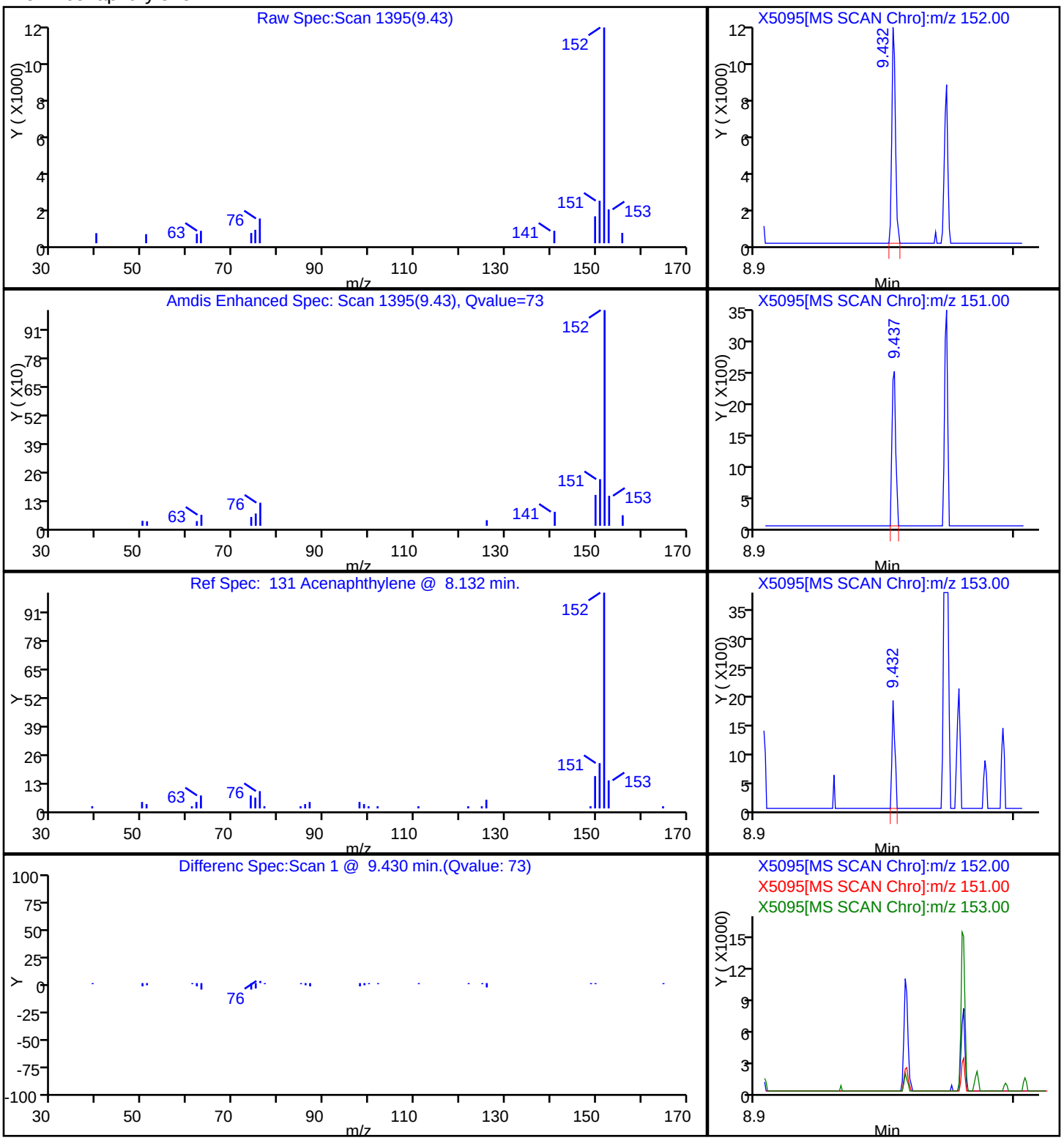


Report Date: 10-Apr-2012 10:46:25 Chrom Revision: 2.0 20-Feb-2012 13:27:02

Data File: \\Bufchrom\ChromData\HP5973X\20120409-10842.b\X5095.D

Injection Date:	09-Apr-2012 19:28:30	Limit Group:	MB - 8270C ICAL
Client ID:	RB-05 (12"-24")	Instrument ID:	HP5973X
Lims Batch ID:	58786	Lims Sample ID:	8
Operator ID:	RMM	Injection Vol:	1.00 ul
Column Type:	RXI-5Sil MS	Column Dia:	0.25 mm

131 Acenaphthylene

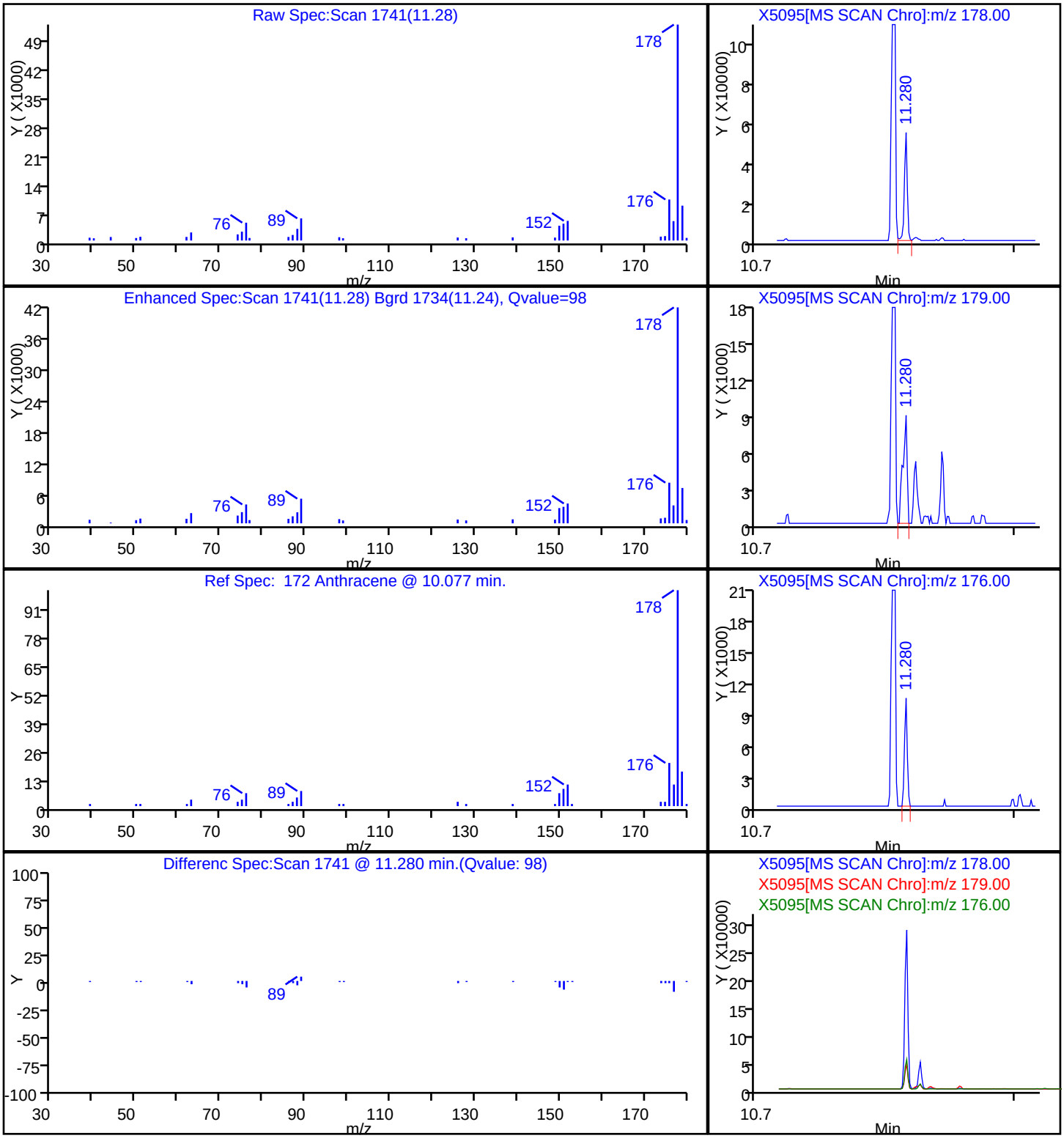


Report Date: 10-Apr-2012 10:46:25 Chrom Revision: 2.0 20-Feb-2012 13:27:02

Data File: \\Bufchrom\ChromData\HP5973X\20120409-10842.b\X5095.D

Injection Date:	09-Apr-2012 19:28:30	Limit Group:	MB - 8270C ICAL
Client ID:	RB-05 (12"-24")	Instrument ID:	HP5973X
Lims Batch ID:	58786	Lims Sample ID:	8
Operator ID:	RMM	Injection Vol:	1.00 ul
Column Type:	RXI-5Sil MS	Column Dia:	0.25 mm

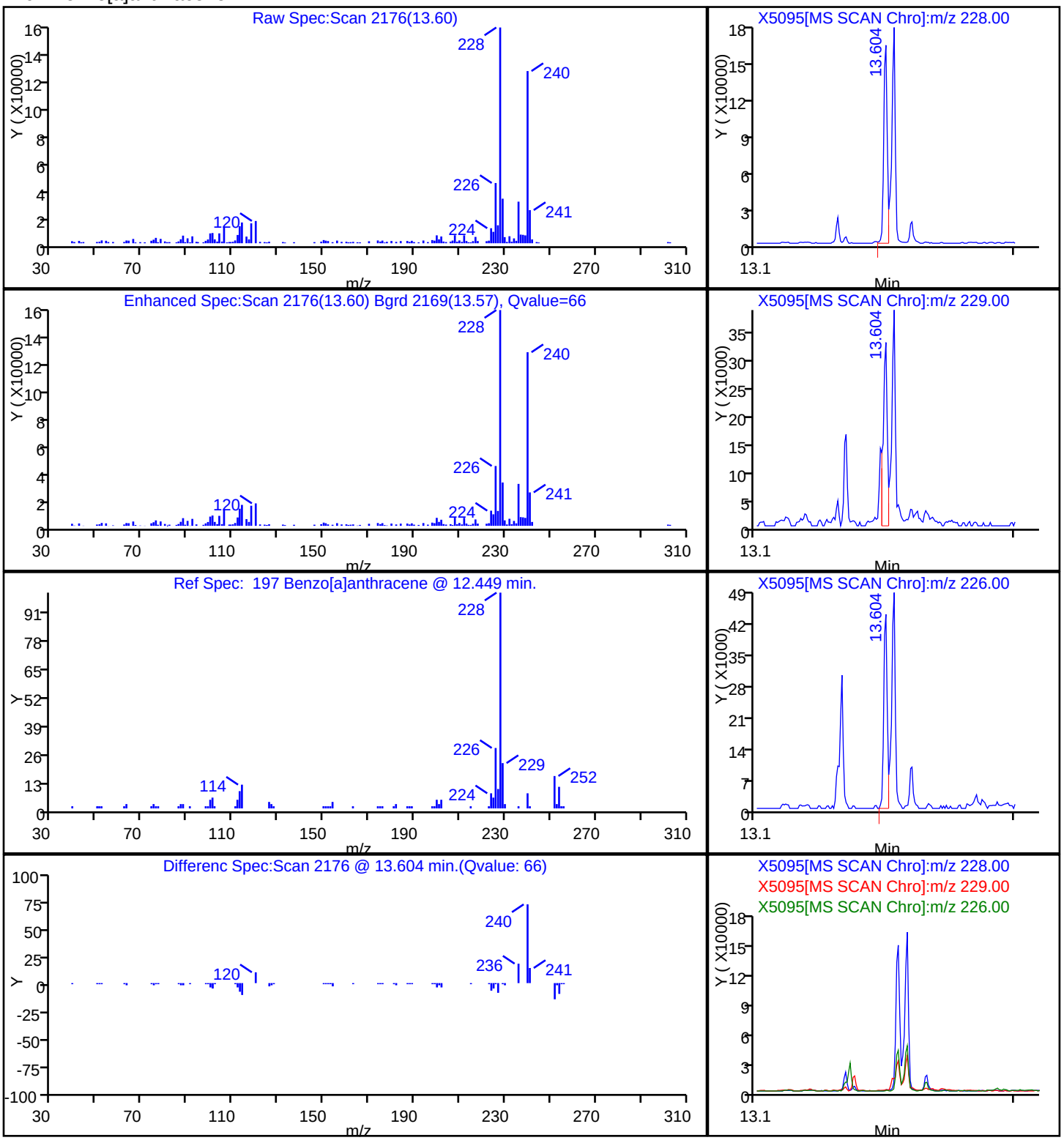
172 Anthracene



Report Date: 10-Apr-2012 10:46:25 Chrom Revision: 2.0 20-Feb-2012 13:27:02

Data File:	\\Bufchrom\ChromData\HP5973X\20120409-10842.b\X5095.D		
Injection Date:	09-Apr-2012 19:28:30	Limit Group:	MB - 8270C ICAL
Client ID:	RB-05 (12"-24")	Instrument ID:	HP5973X
Lims Batch ID:	58786	Lims Sample ID:	8
Operator ID:	RMM	Injection Vol:	1.00 ul
Column Type:	RXI-5Sil MS	Column Dia:	0.25 mm

197 Benzo[a]anthracene

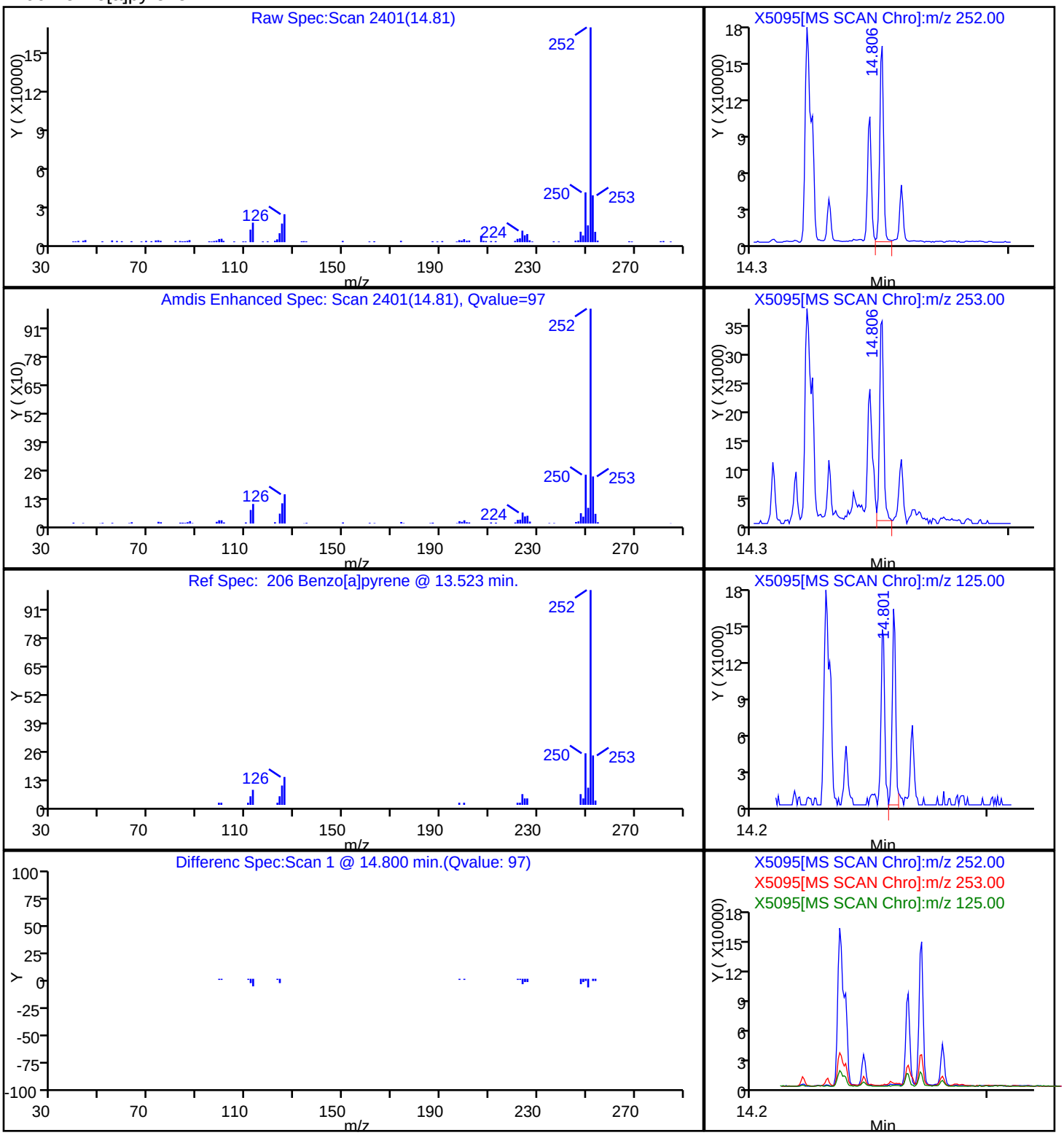


Report Date: 10-Apr-2012 10:46:25 Chrom Revision: 2.0 20-Feb-2012 13:27:02

Data File: \\Bufchrom\ChromData\HP5973X\20120409-10842.b\X5095.D

Injection Date:	09-Apr-2012 19:28:30	Limit Group:	MB - 8270C ICAL
Client ID:	RB-05 (12"-24")	Instrument ID:	HP5973X
Lims Batch ID:	58786	Lims Sample ID:	8
Operator ID:	RMM	Injection Vol:	1.00 ul
Column Type:	RXI-5Sil MS	Column Dia:	0.25 mm

206 Benzo[a]pyrene

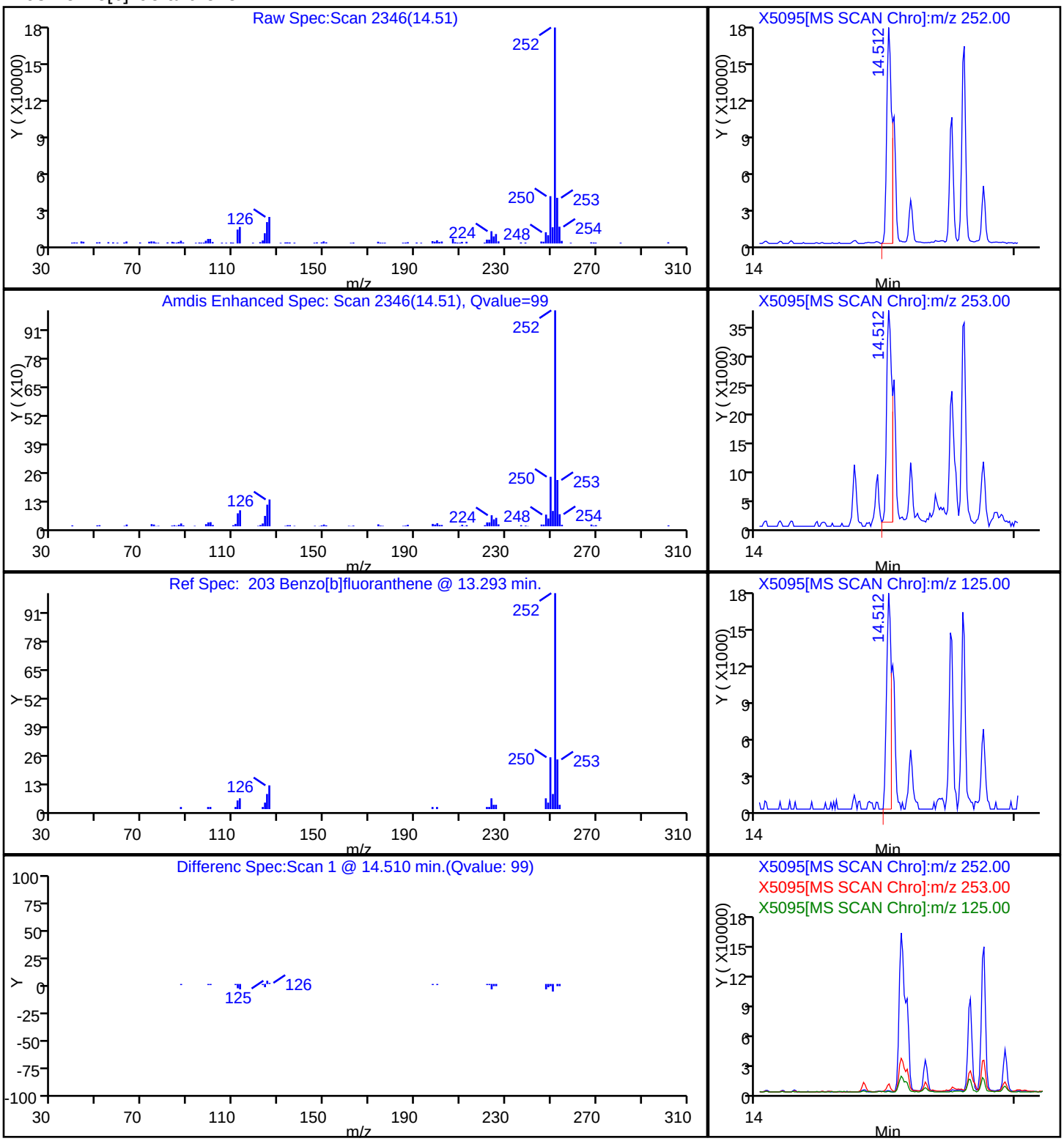


Report Date: 10-Apr-2012 10:46:25 Chrom Revision: 2.0 20-Feb-2012 13:27:02

Data File: \\Bufchrom\ChromData\HP5973X\20120409-10842.b\X5095.D

Injection Date:	09-Apr-2012 19:28:30	Limit Group:	MB - 8270C ICAL
Client ID:	RB-05 (12"-24")	Instrument ID:	HP5973X
Lims Batch ID:	58786	Lims Sample ID:	8
Operator ID:	RMM	Injection Vol:	1.00 ul
Column Type:	RXI-5Sil MS	Column Dia:	0.25 mm

203 Benzo[b]fluoranthene

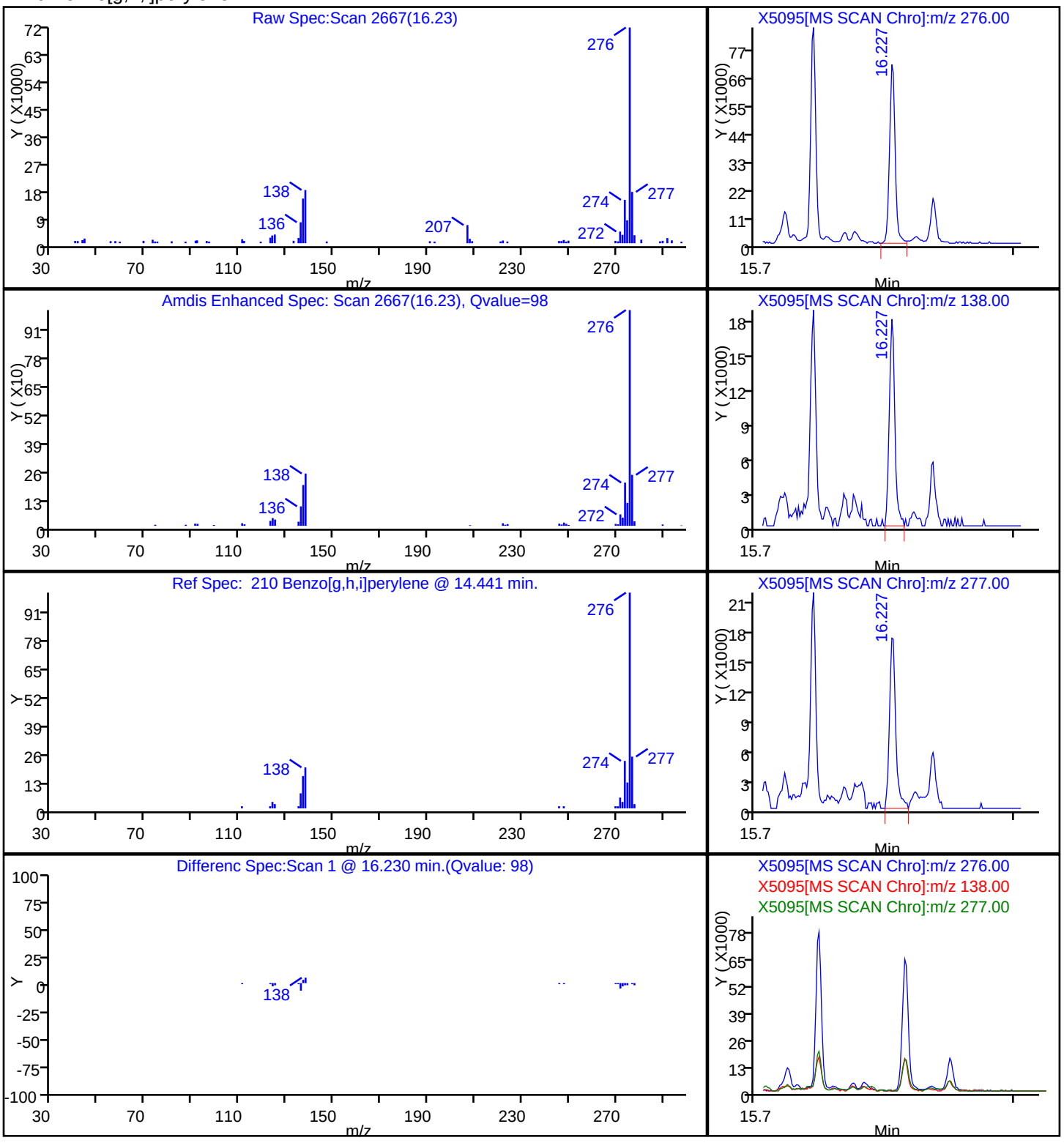


Report Date: 10-Apr-2012 10:46:25 Chrom Revision: 2.0 20-Feb-2012 13:27:02

Data File: \\Bufchrom\ChromData\HP5973X\20120409-10842.b\X5095.D

Injection Date:	09-Apr-2012 19:28:30	Limit Group:	MB - 8270C ICAL
Client ID:	RB-05 (12"-24")	Instrument ID:	HP5973X
Lims Batch ID:	58786	Lims Sample ID:	8
Operator ID:	RMM	Injection Vol:	1.00 ul
Column Type:	RXI-5Sil MS	Column Dia:	0.25 mm

210 Benzo[g,h,i]perylene

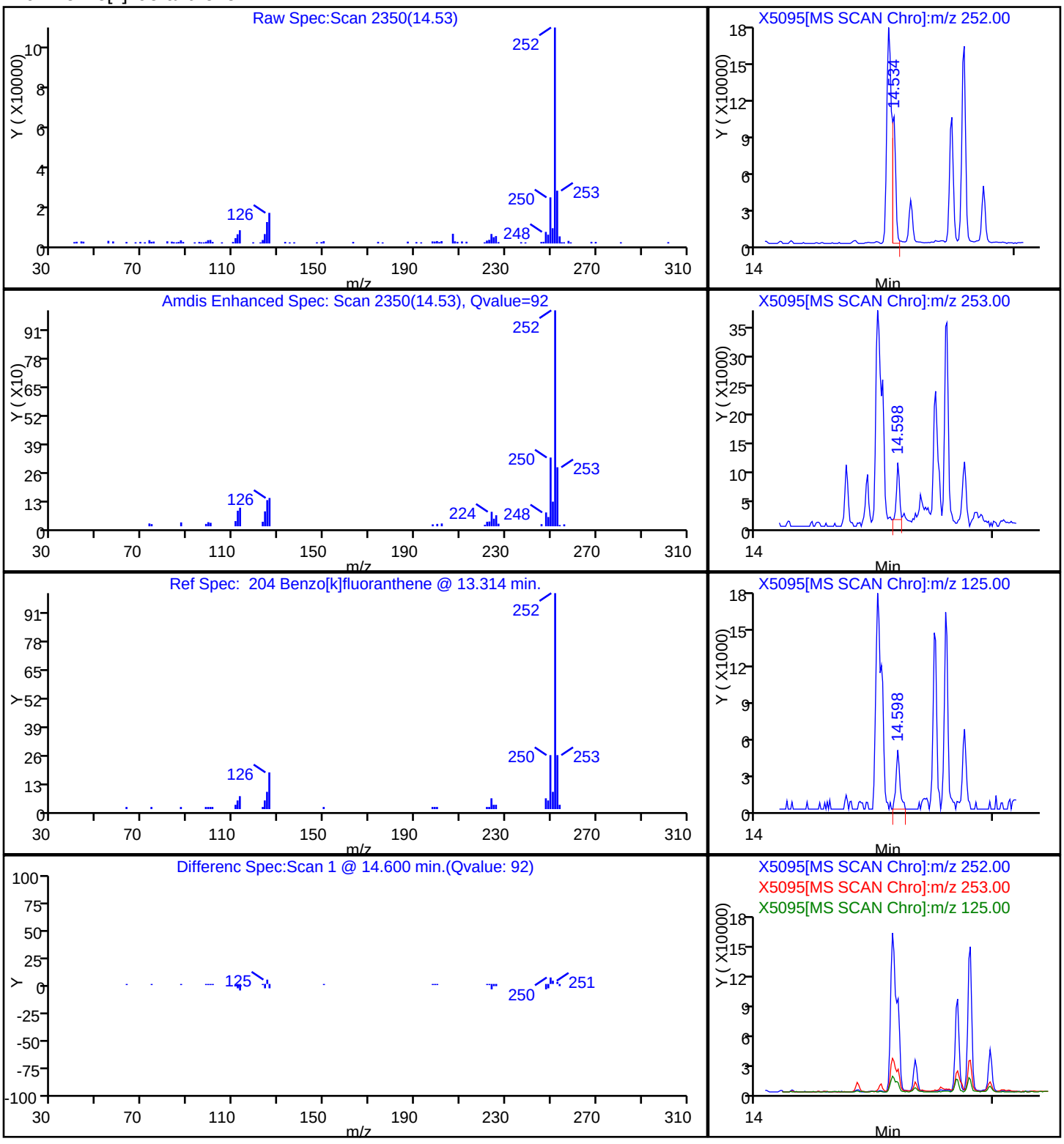


Report Date: 10-Apr-2012 10:46:25 Chrom Revision: 2.0 20-Feb-2012 13:27:02

Data File: \\Bufchrom\ChromData\HP5973X\20120409-10842.b\X5095.D

Injection Date:	09-Apr-2012 19:28:30	Limit Group:	MB - 8270C ICAL
Client ID:	RB-05 (12"-24")	Instrument ID:	HP5973X
Lims Batch ID:	58786	Lims Sample ID:	8
Operator ID:	RMM	Injection Vol:	1.00 ul
Column Type:	RXI-5Sil MS	Column Dia:	0.25 mm

204 Benzo[k]fluoranthene

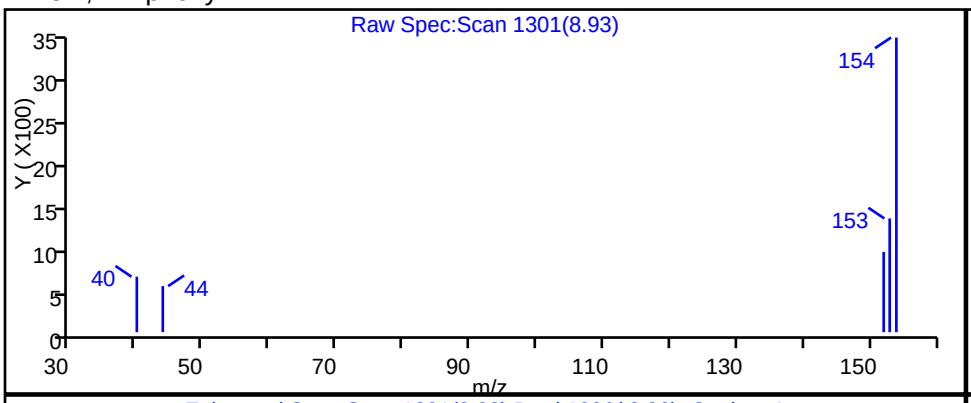


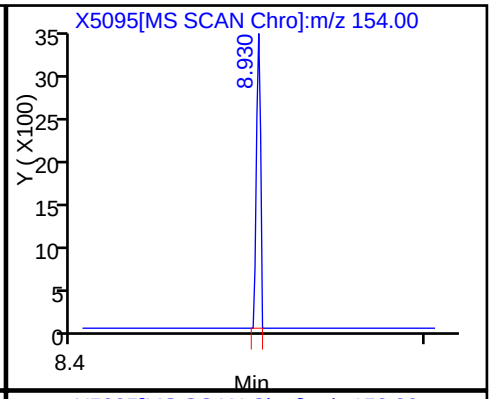
Report Date: 10-Apr-2012 10:46:25 Chrom Revision: 2.0 20-Feb-2012 13:27:02

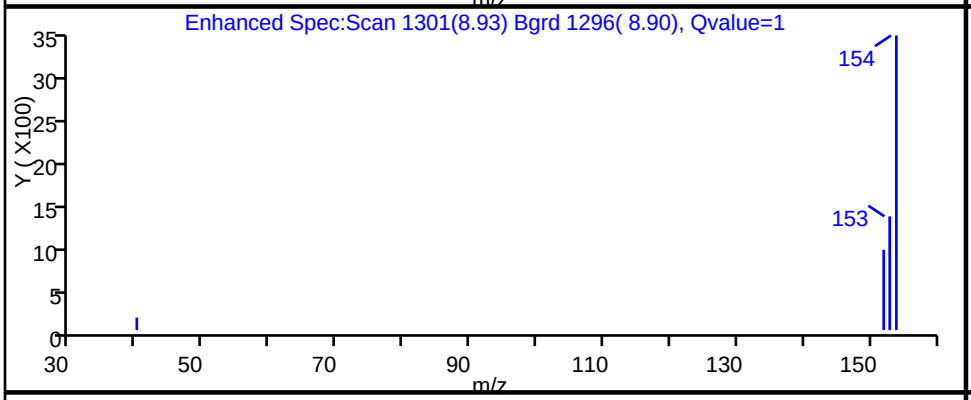
Data File: \\Bufchrom\ChromData\HP5973X\20120409-10842.b\X5095.D

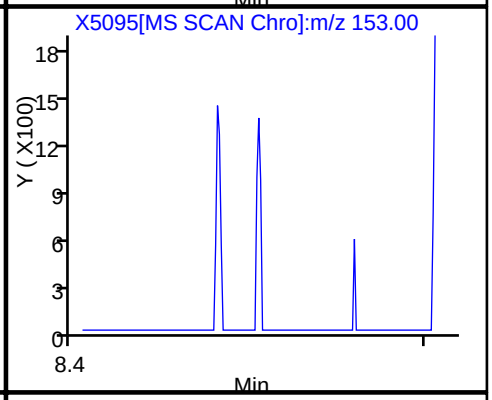
Injection Date:	09-Apr-2012 19:28:30	Limit Group:	MB - 8270C ICAL
Client ID:	RB-05 (12"-24")	Instrument ID:	HP5973X
Lims Batch ID:	58786	Lims Sample ID:	8
Operator ID:	RMM	Injection Vol:	1.00 ul
Column Type:	RXI-5Sil MS	Column Dia:	0.25 mm

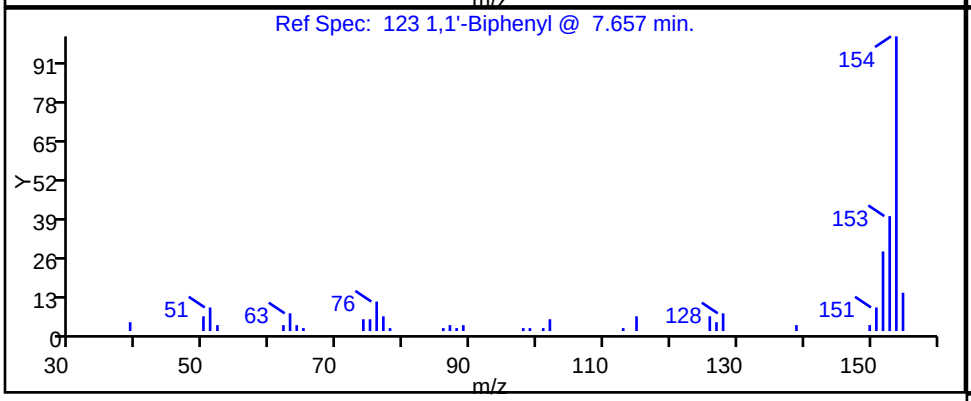
123 1,1'-Biphenyl

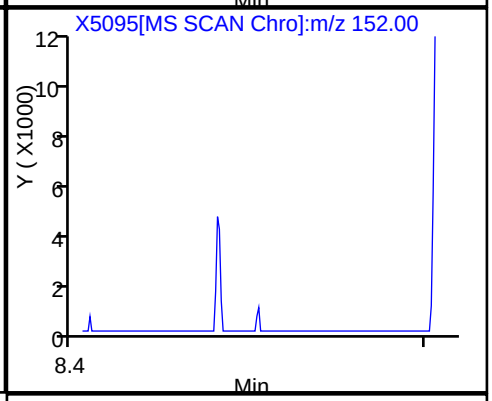


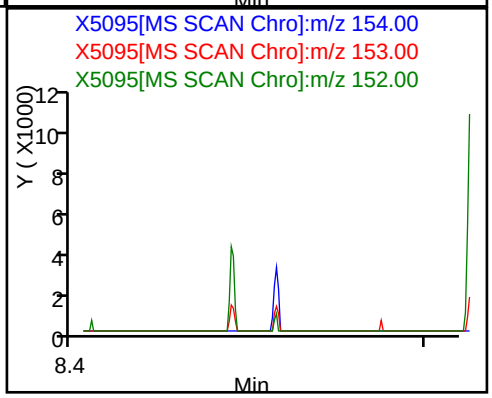










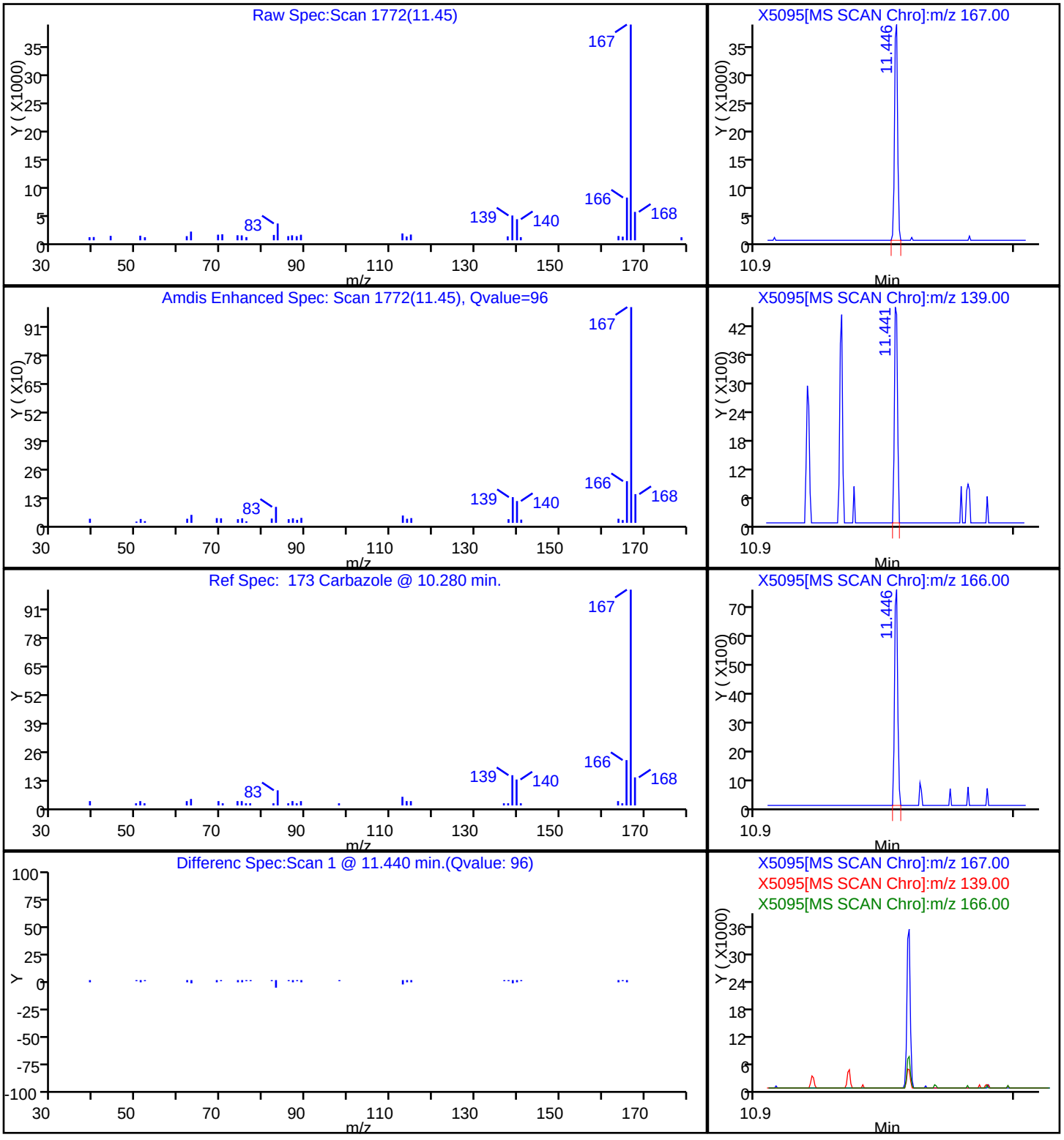


Report Date: 10-Apr-2012 10:46:25 Chrom Revision: 2.0 20-Feb-2012 13:27:02

Data File: \\Bufchrom\ChromData\HP5973X\20120409-10842.b\X5095.D

Injection Date:	09-Apr-2012 19:28:30	Limit Group:	MB - 8270C ICAL
Client ID:	RB-05 (12"-24")	Instrument ID:	HP5973X
Lims Batch ID:	58786	Lims Sample ID:	8
Operator ID:	RMM	Injection Vol:	1.00 ul
Column Type:	RXI-5Sil MS	Column Dia:	0.25 mm

173 Carbazole

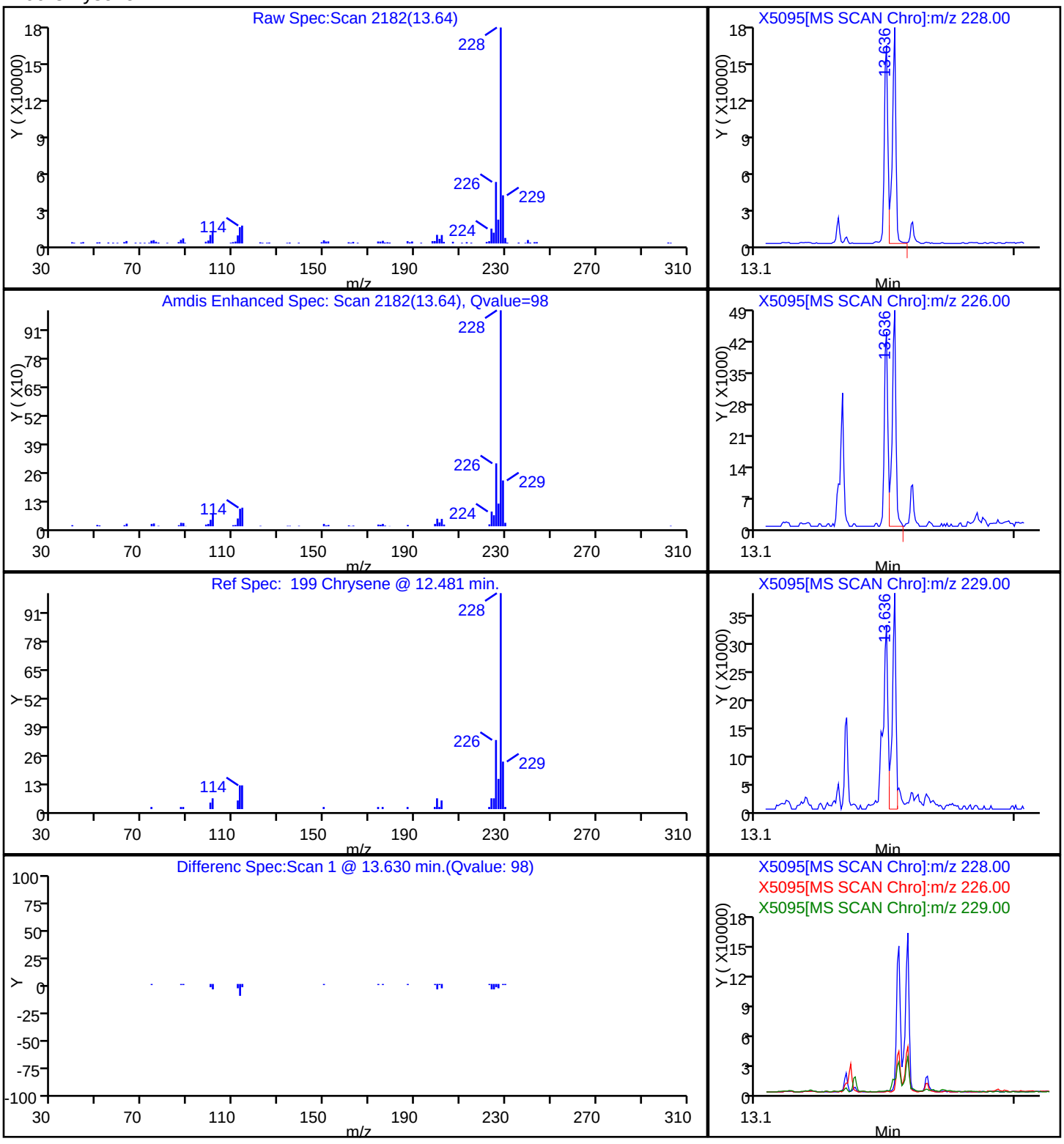


Report Date: 10-Apr-2012 10:46:25 Chrom Revision: 2.0 20-Feb-2012 13:27:02

Data File: \\Bufchrom\ChromData\HP5973X\20120409-10842.b\X5095.D

Injection Date:	09-Apr-2012 19:28:30	Limit Group:	MB - 8270C ICAL
Client ID:	RB-05 (12"-24")	Instrument ID:	HP5973X
Lims Batch ID:	58786	Lims Sample ID:	8
Operator ID:	RMM	Injection Vol:	1.00 ul
Column Type:	RXI-5Sil MS	Column Dia:	0.25 mm

199 Chrysene

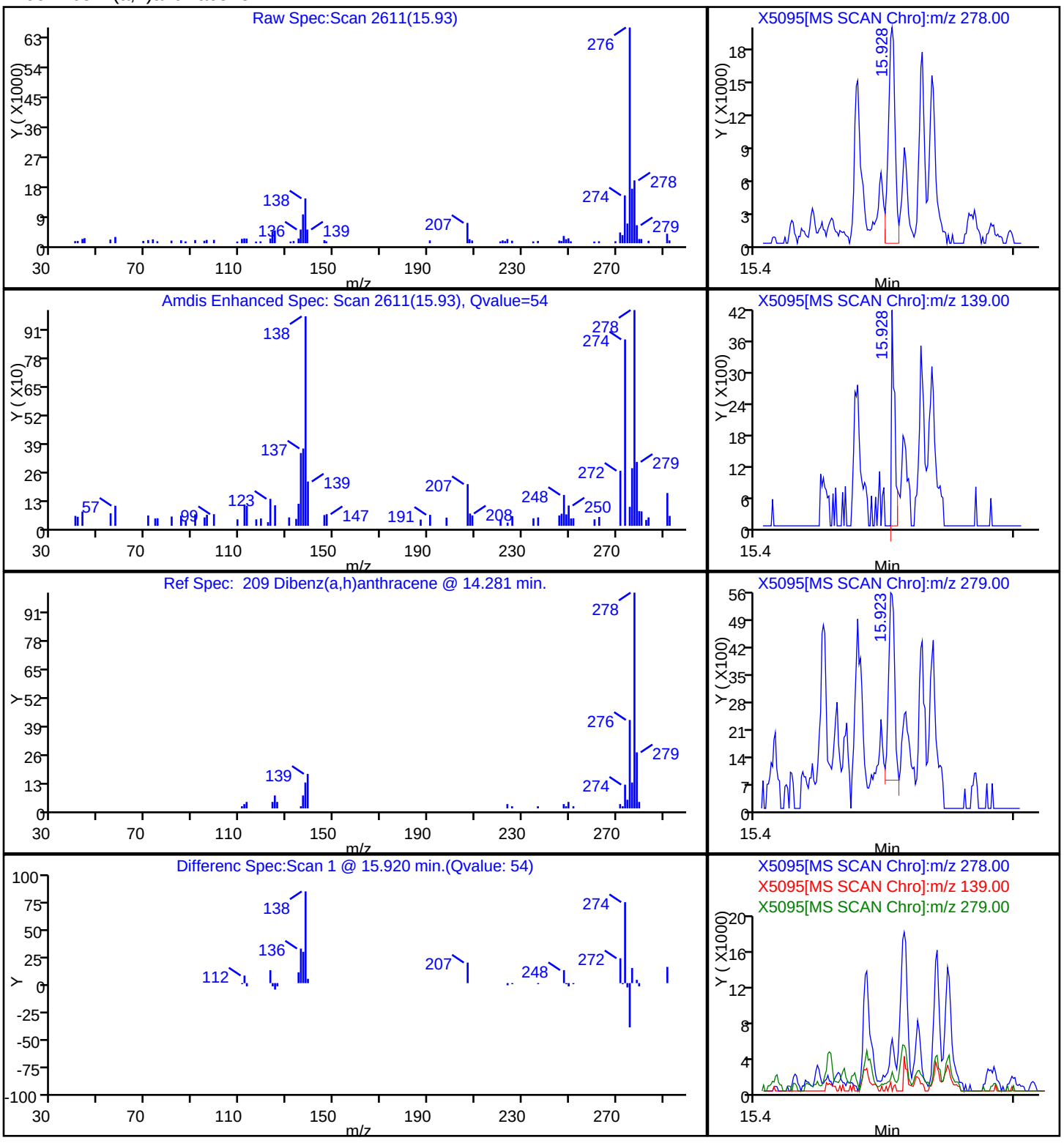


Report Date: 10-Apr-2012 10:46:25 Chrom Revision: 2.0 20-Feb-2012 13:27:02

Data File: \\Bufchrom\ChromData\HP5973X\20120409-10842.b\X5095.D

Injection Date:	09-Apr-2012 19:28:30	Limit Group:	MB - 8270C ICAL
Client ID:	RB-05 (12"-24")	Instrument ID:	HP5973X
Lims Batch ID:	58786	Lims Sample ID:	8
Operator ID:	RMM	Injection Vol:	1.00 ul
Column Type:	RXI-5Sil MS	Column Dia:	0.25 mm

209 Dibenz(a,h)anthracene

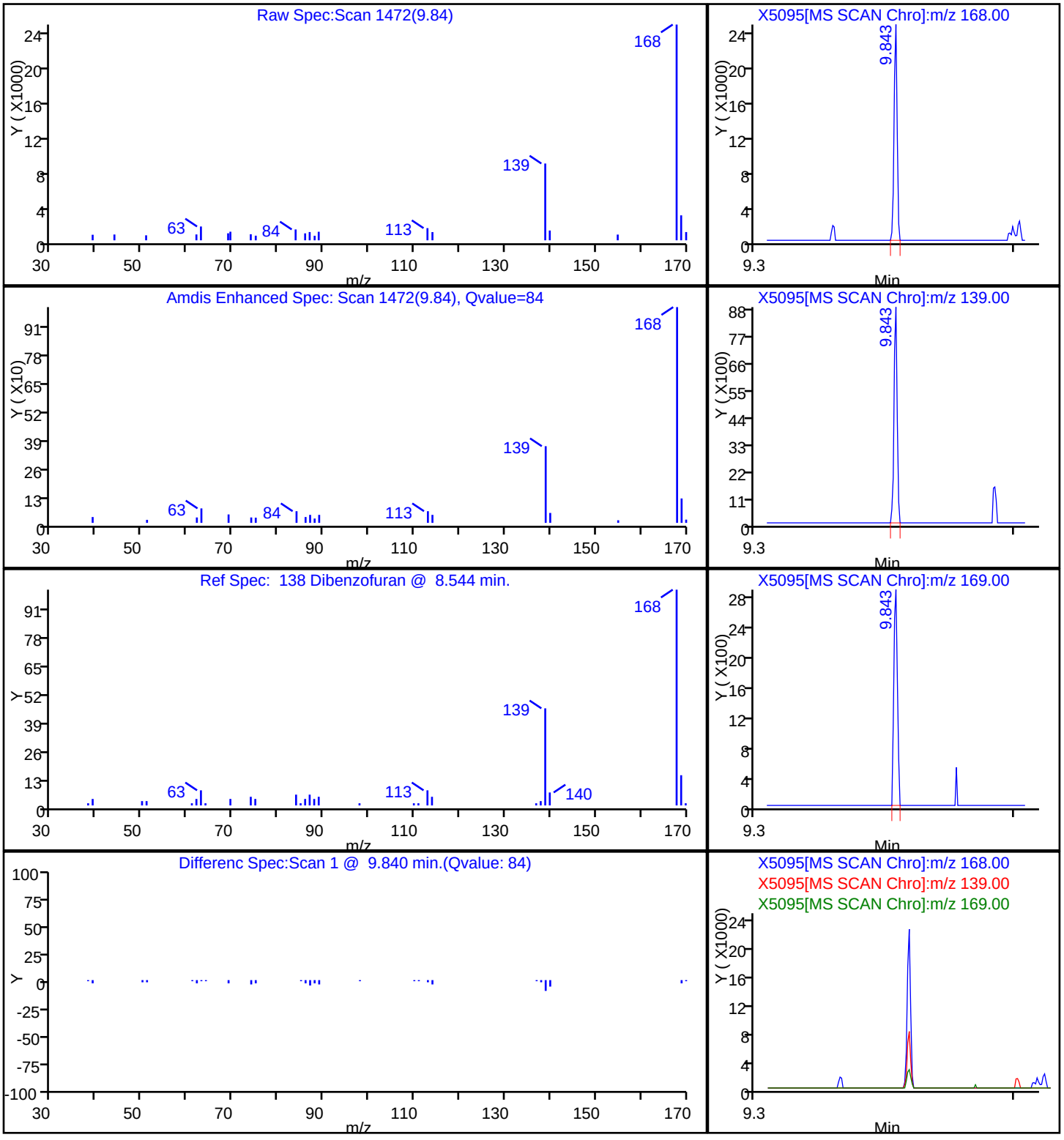


Report Date: 10-Apr-2012 10:46:25 Chrom Revision: 2.0 20-Feb-2012 13:27:02

Data File: \\Bufchrom\ChromData\HP5973X\20120409-10842.b\X5095.D

Injection Date:	09-Apr-2012 19:28:30	Limit Group:	MB - 8270C ICAL
Client ID:	RB-05 (12"-24")	Instrument ID:	HP5973X
Lims Batch ID:	58786	Lims Sample ID:	8
Operator ID:	RMM	Injection Vol:	1.00 ul
Column Type:	RXI-5Sil MS	Column Dia:	0.25 mm

138 Dibenzofuran

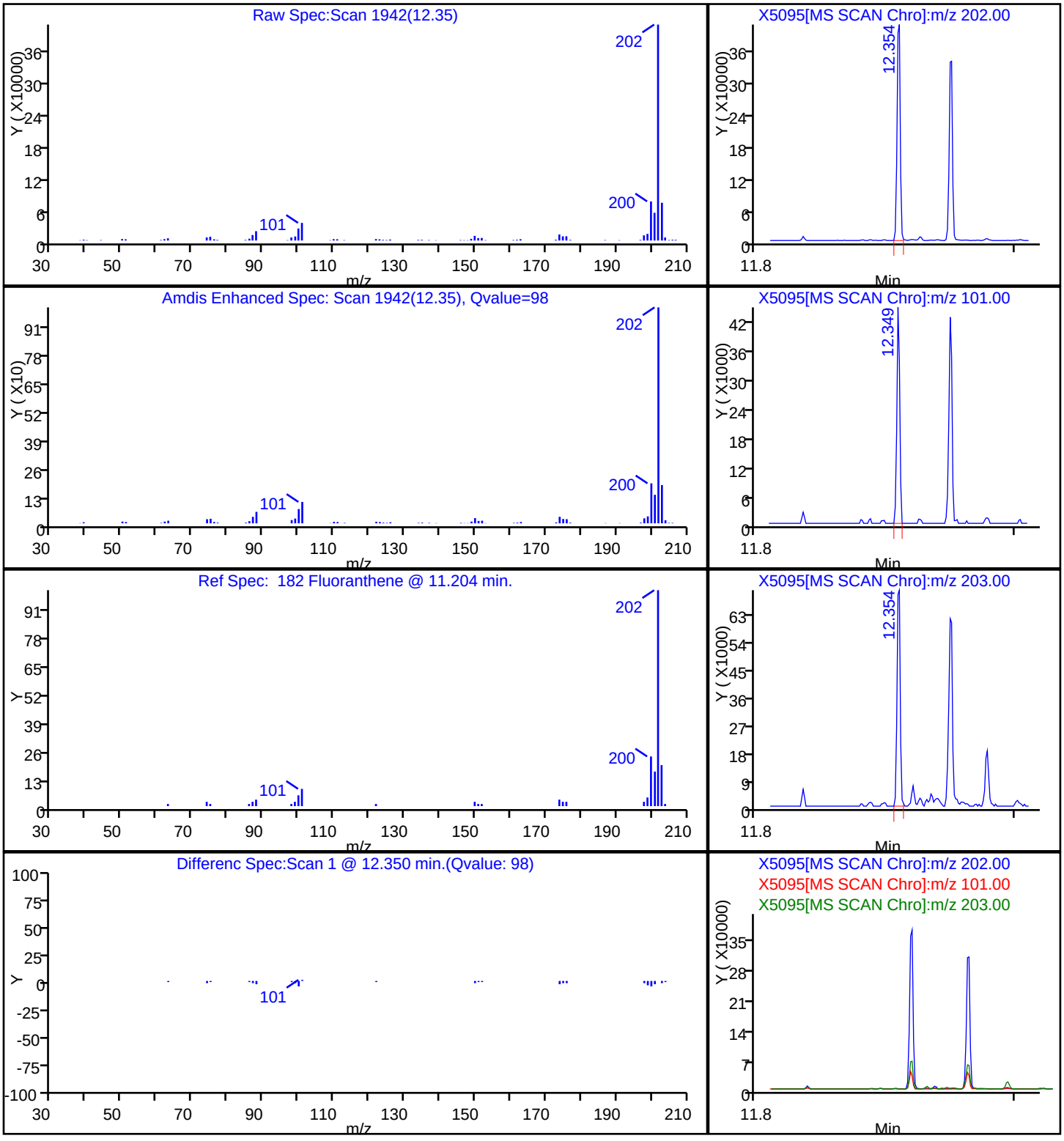


Report Date: 10-Apr-2012 10:46:25 Chrom Revision: 2.0 20-Feb-2012 13:27:02

Data File: \\Bufchrom\ChromData\HP5973X\20120409-10842.b\X5095.D

Injection Date:	09-Apr-2012 19:28:30	Limit Group:	MB - 8270C ICAL
Client ID:	RB-05 (12"-24")	Instrument ID:	HP5973X
Lims Batch ID:	58786	Lims Sample ID:	8
Operator ID:	RMM	Injection Vol:	1.00 ul
Column Type:	RXI-5Sil MS	Column Dia:	0.25 mm

182 Fluoranthene

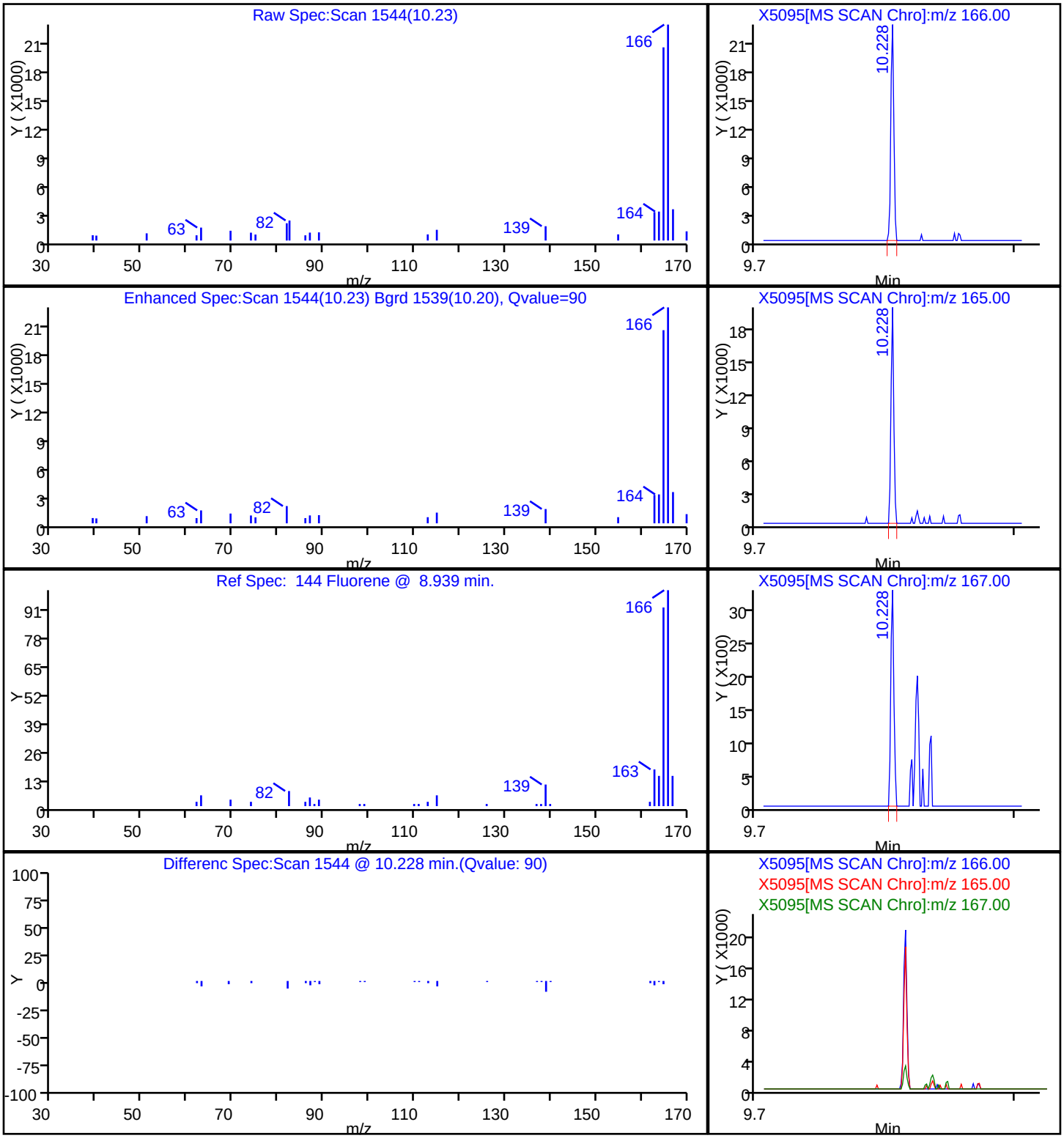


Report Date: 10-Apr-2012 10:46:25 Chrom Revision: 2.0 20-Feb-2012 13:27:02

Data File: \\Bufchrom\ChromData\HP5973X\20120409-10842.b\X5095.D

Injection Date:	09-Apr-2012 19:28:30	Limit Group:	MB - 8270C ICAL
Client ID:	RB-05 (12"-24")	Instrument ID:	HP5973X
Lims Batch ID:	58786	Lims Sample ID:	8
Operator ID:	RMM	Injection Vol:	1.00 ul
Column Type:	RXI-5Sil MS	Column Dia:	0.25 mm

144 Fluorene

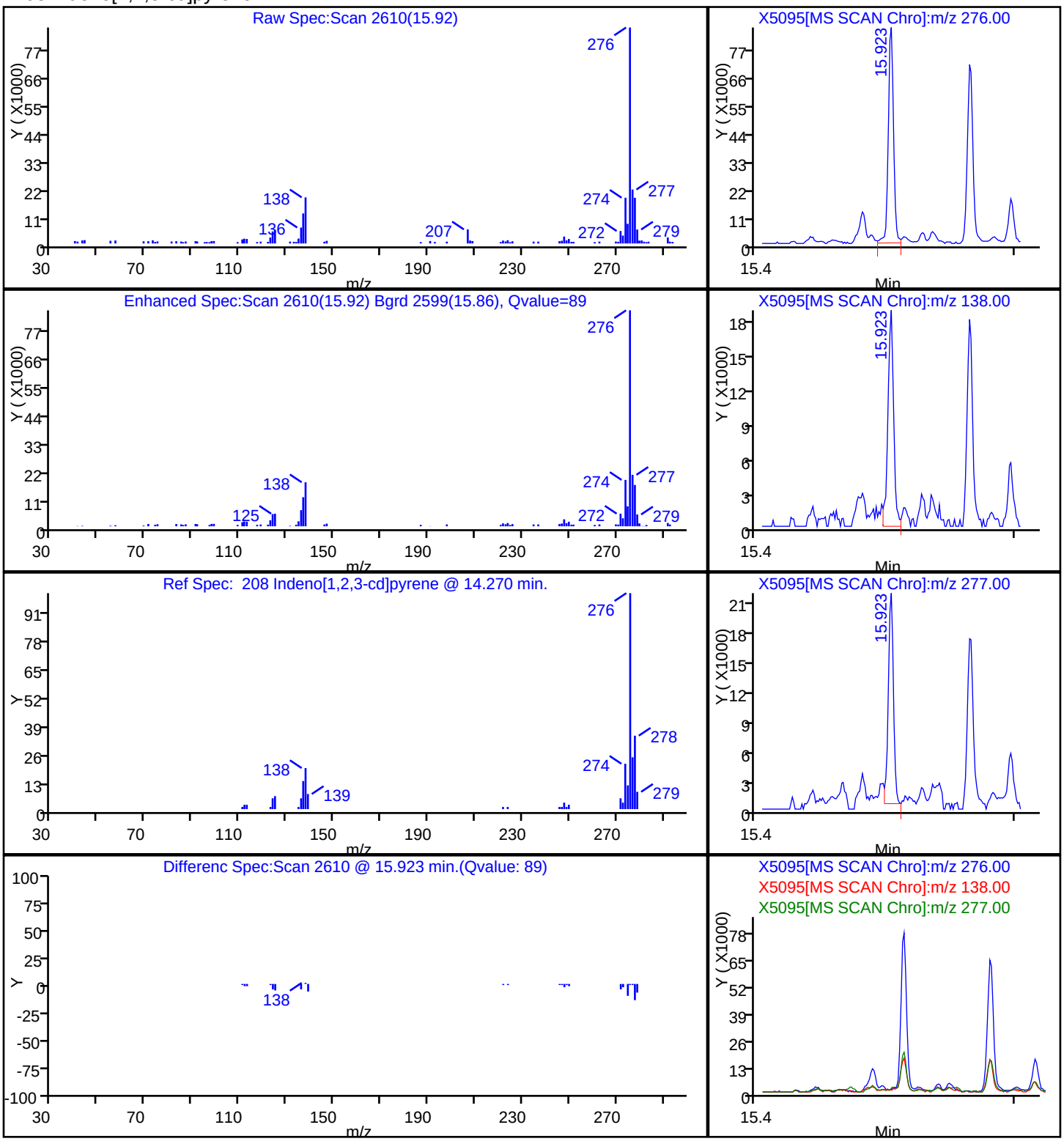


Report Date: 10-Apr-2012 10:46:25 Chrom Revision: 2.0 20-Feb-2012 13:27:02

Data File: \\Bufchrom\ChromData\HP5973X\20120409-10842.b\X5095.D

Injection Date:	09-Apr-2012 19:28:30	Limit Group:	MB - 8270C ICAL
Client ID:	RB-05 (12"-24")	Instrument ID:	HP5973X
Lims Batch ID:	58786	Lims Sample ID:	8
Operator ID:	RMM	Injection Vol:	1.00 ul
Column Type:	RXI-5Sil MS	Column Dia:	0.25 mm

208 Indeno[1,2,3-cd]pyrene

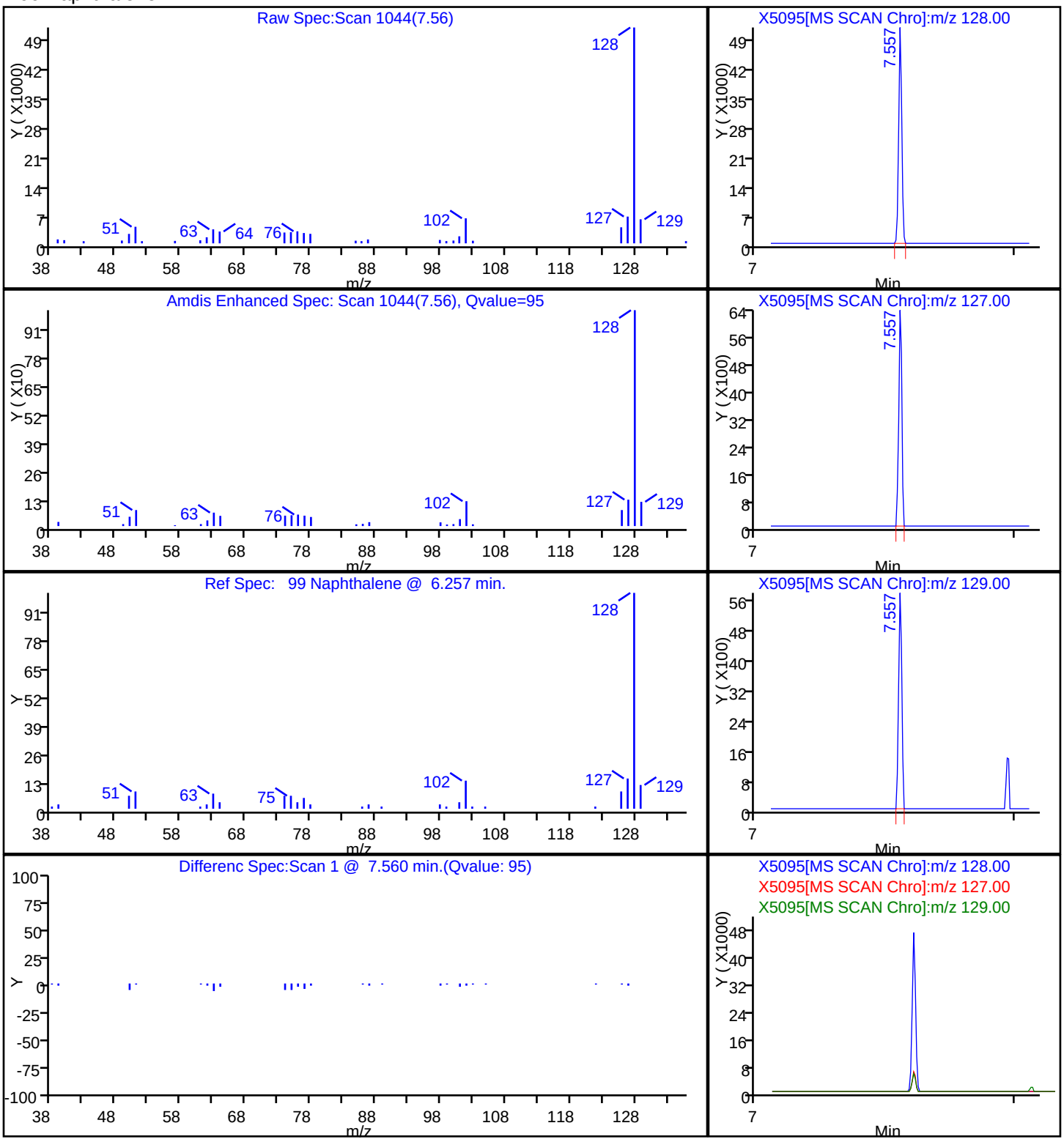


Report Date: 10-Apr-2012 10:46:25 Chrom Revision: 2.0 20-Feb-2012 13:27:02

Data File: \\Bufchrom\ChromData\HP5973X\20120409-10842.b\X5095.D

Injection Date:	09-Apr-2012 19:28:30	Limit Group:	MB - 8270C ICAL
Client ID:	RB-05 (12"-24")	Instrument ID:	HP5973X
Lims Batch ID:	58786	Lims Sample ID:	8
Operator ID:	RMM	Injection Vol:	1.00 ul
Column Type:	RXI-5Sil MS	Column Dia:	0.25 mm

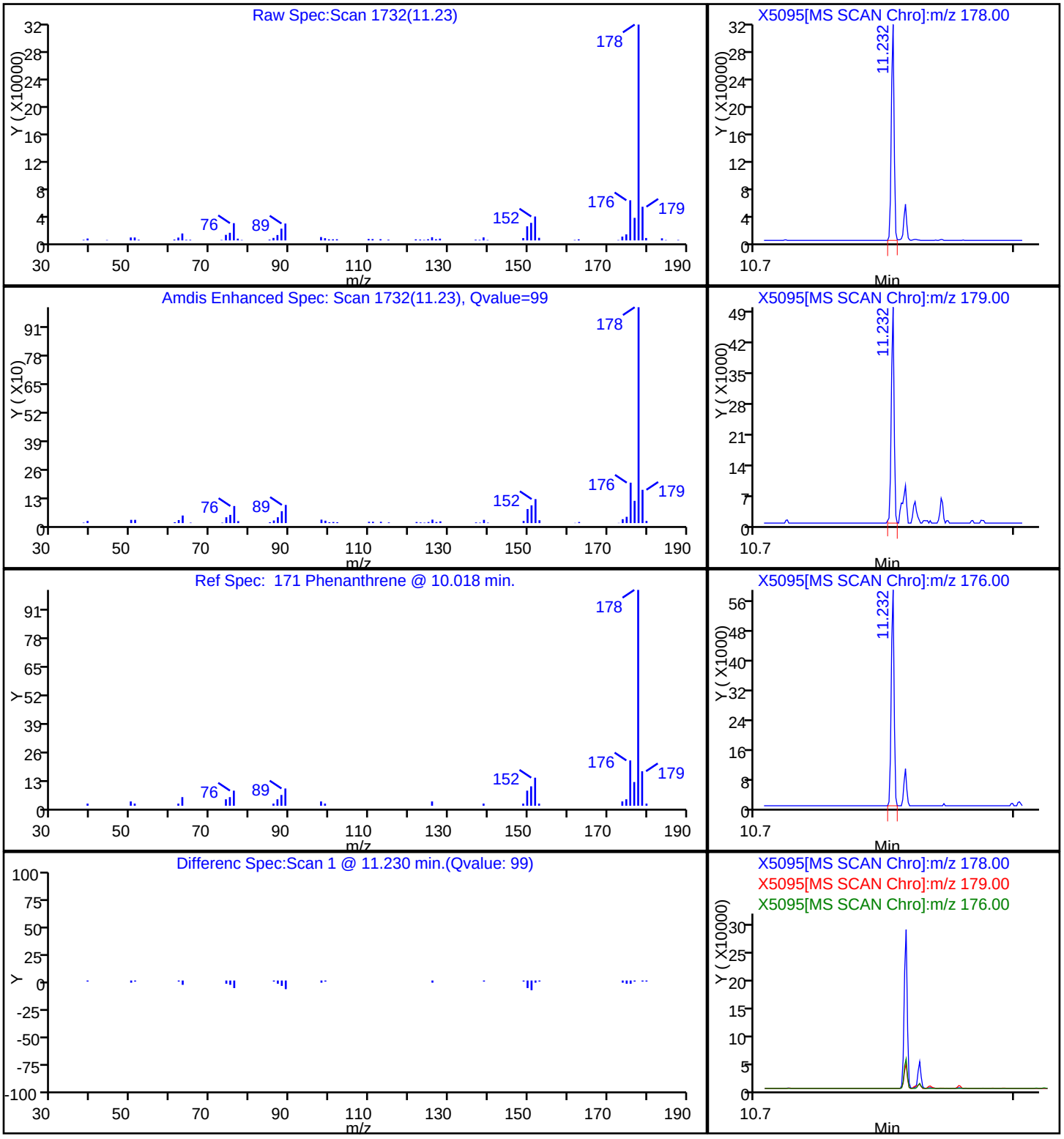
99 Naphthalene



Report Date: 10-Apr-2012 10:46:25 Chrom Revision: 2.0 20-Feb-2012 13:27:02

Data File:	\\Bufchrom\ChromData\HP5973X\20120409-10842.b\X5095.D		
Injection Date:	09-Apr-2012 19:28:30	Limit Group:	MB - 8270C ICAL
Client ID:	RB-05 (12"-24")	Instrument ID:	HP5973X
Lims Batch ID:	58786	Lims Sample ID:	8
Operator ID:	RMM	Injection Vol:	1.00 ul
Column Type:	RXI-5Sil MS	Column Dia:	0.25 mm

171 Phenanthrene

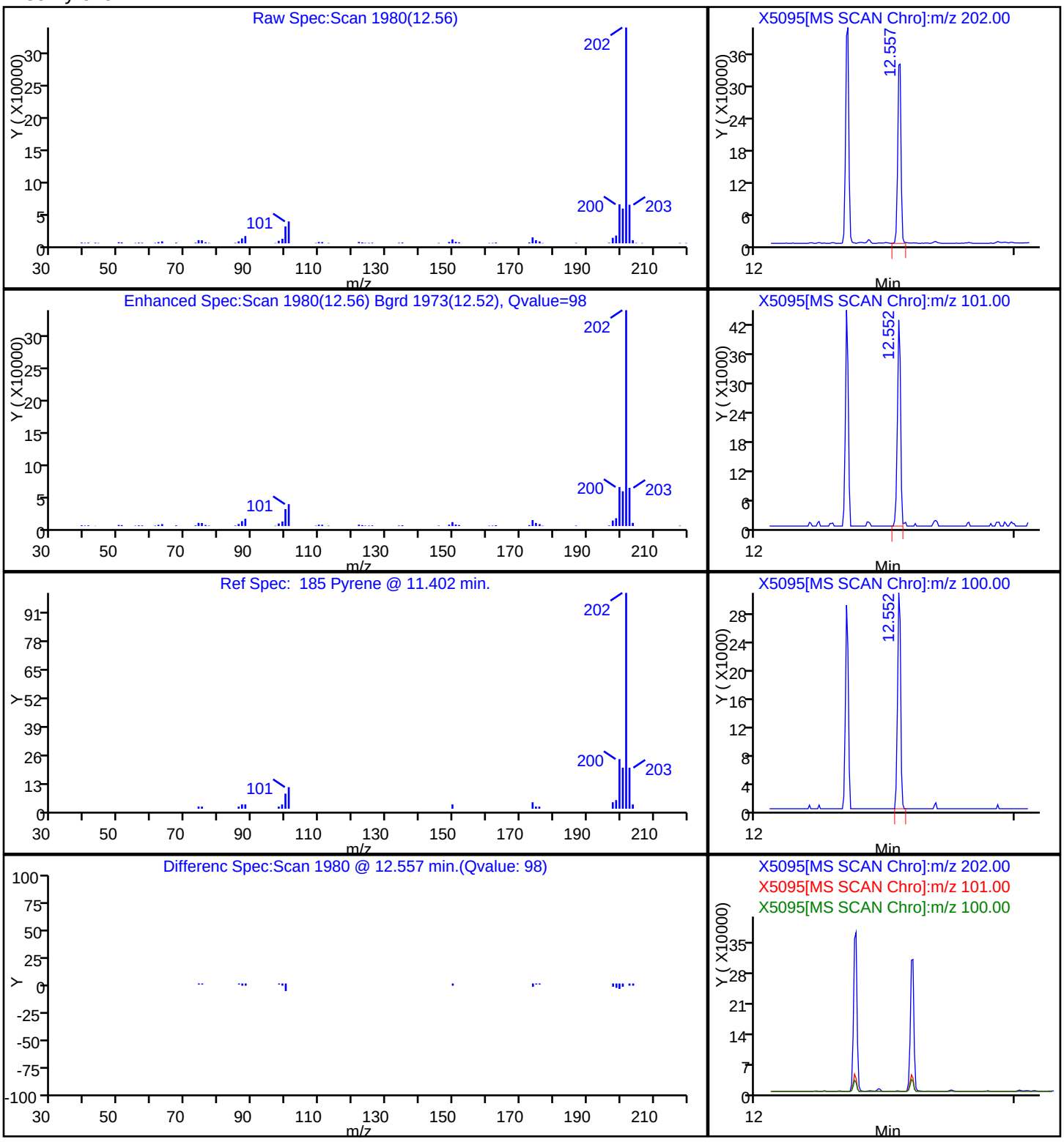


Report Date: 10-Apr-2012 10:46:25 Chrom Revision: 2.0 20-Feb-2012 13:27:02

Data File: \\Bufchrom\ChromData\HP5973X\20120409-10842.b\X5095.D

Injection Date:	09-Apr-2012 19:28:30	Limit Group:	MB - 8270C ICAL
Client ID:	RB-05 (12"-24")	Instrument ID:	HP5973X
Lims Batch ID:	58786	Lims Sample ID:	8
Operator ID:	RMM	Injection Vol:	1.00 ul
Column Type:	RXI-5Sil MS	Column Dia:	0.25 mm

185 Pyrene



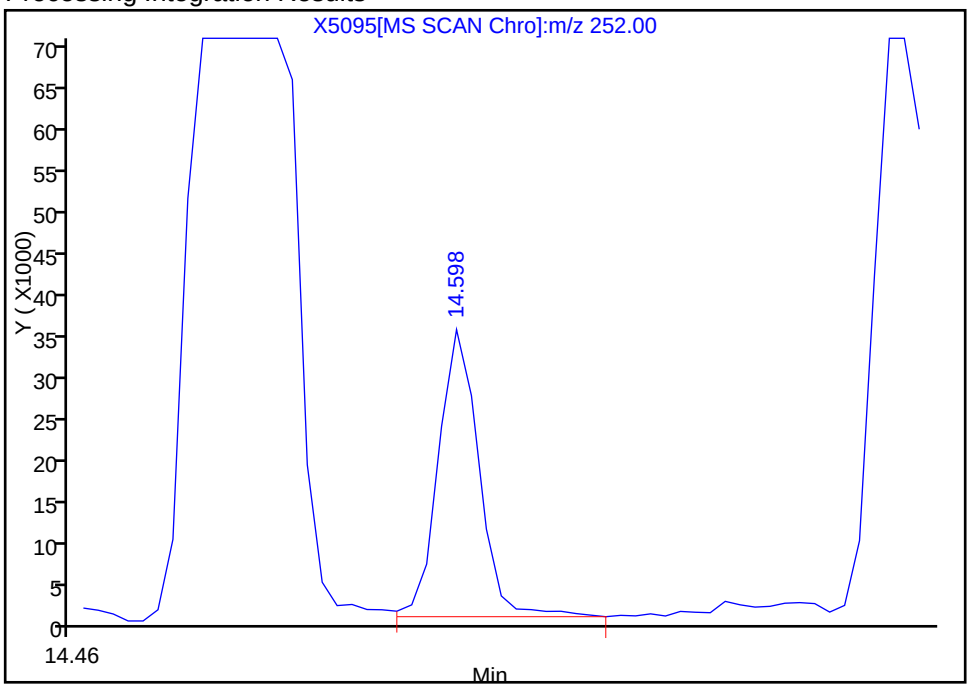
Manual Integration/User Assign Peak Report

Data File:	\\Bufchrom\ChromData\HP5973X\20120409-10842.b\X5095.D		
Injection Date:	09-Apr-2012 19:28:30	Limit Group:	MB - 8270C ICAL
Client ID:	RB-05 (12"-24")	Instrument ID:	HP5973X
Lims Batch ID:	58786	Lims Sample ID:	8
Operator ID:	RMM	Injection Vol:	1.00 ul
Column Type:	RXI-5Sil MS	Column Dia:	0.25 mm

204 Benzo[k]fluoranthene, Signal: 1, m/z: 252.0 Type: quant, RT: 14.55

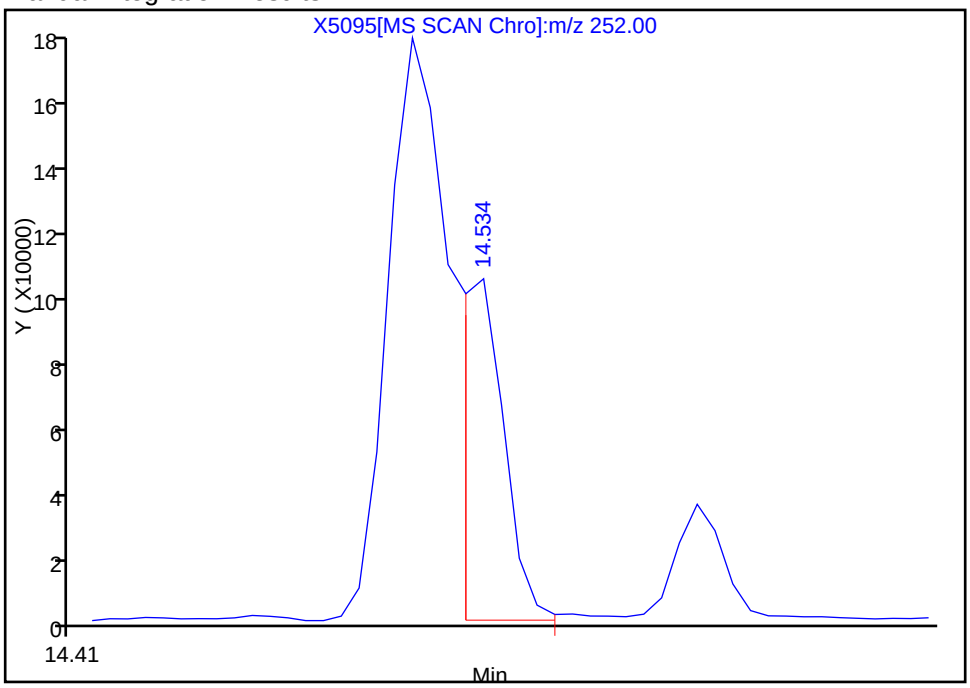
Processing Integration Results

RT: 14.60
Response: 35366
Amount: 2.805362



Manual Integration Results

RT: 14.53
Response: 94341
Amount: 7.483479

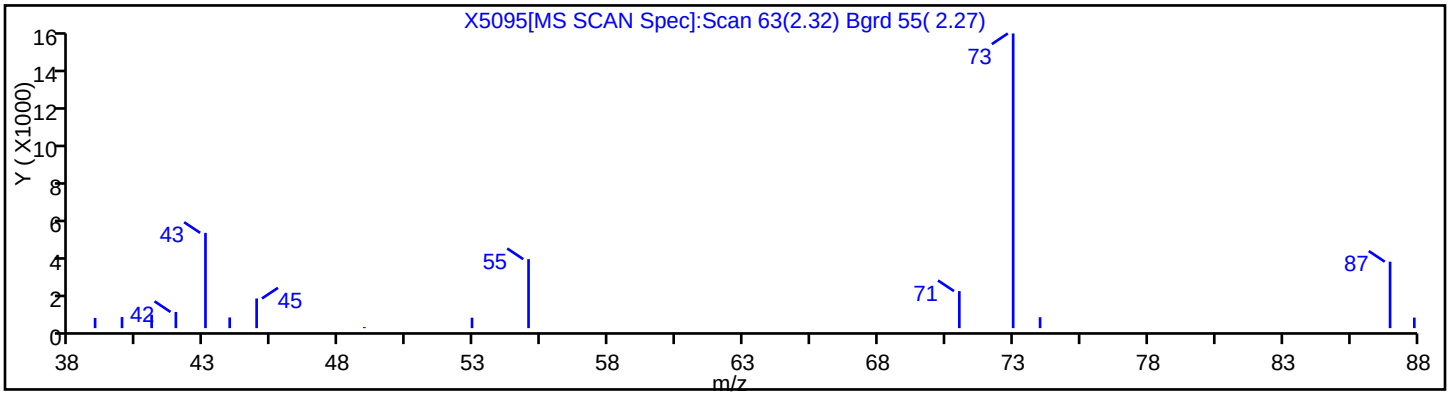


Reviewer: mckernar, 10-Apr-2012 10:46:25
Audit Action: Manually Integrated
Audit Reason: Assign Peak

Report Date: 10-Apr-2012 10:46:25 Chrom Revision: 2.0 20-Feb-2012 13:27:02

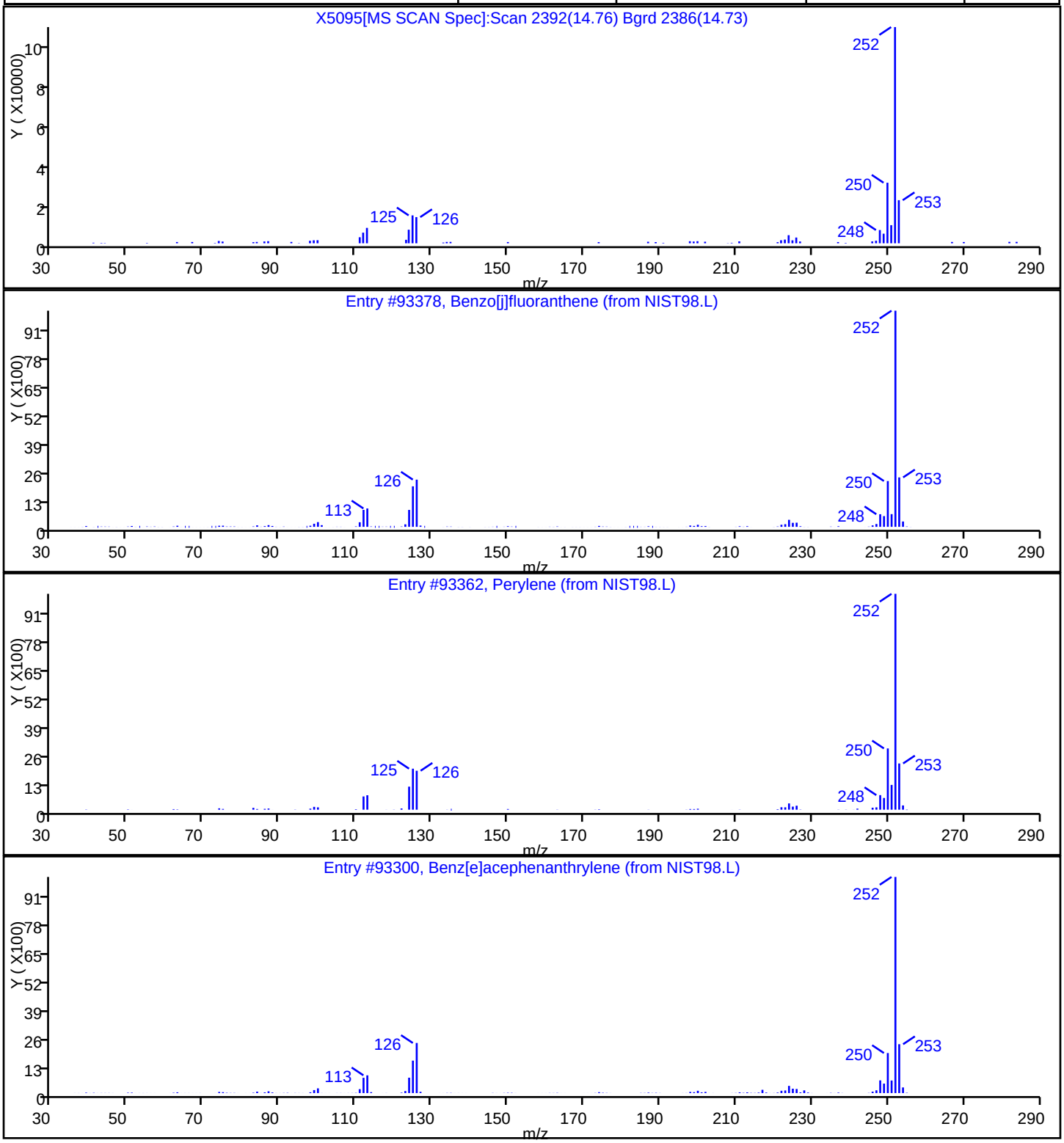
Data File:	\\Bufchrom\ChromData\HP5973X\20120409-10842.b\X5095.D		
Injection Date:	09-Apr-2012 19:28:30	Limit Group:	MB - 8270C ICAL
Client ID:	RB-05 (12"-24")	Instrument ID:	HP5973X
Lims Batch ID:	58786	Lims Sample ID:	8
Operator ID:	RMM	Injection Vol:	1.00 ul
Column Type:	RXI-5Sil MS	Column Dia:	0.25 mm

No Library Matches Found above the Threshold: 85



Report Date: 10-Apr-2012 10:46:25 Chrom Revision: 2.0 20-Feb-2012 13:27:02
Data File: \\Bufchrom\ChromData\HP5973X\20120409-10842.b\X5095.D
Injection Date: 09-Apr-2012 19:28:30 Limit Group: MB - 8270C ICAL
Client ID: RB-05 (12"-24") Instrument ID: HP5973X
Lims Batch ID: 58786 Lims Sample ID: 8
Operator ID: RMM Injection Vol: 1.00 ul
Column Type: RXI-5Sil MS Column Dia: 0.25 mm

Library Search Compound Match	CAS Number	Library	Entry	Quality
Benzo[j]fluoranthene	205-82-3	NIST98.L	93378	95
Perylene	198-55-0	NIST98.L	93362	95
Benz[e]acephenanthrylene	205-99-2	NIST98.L	93300	94



FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Buffalo | Job No.: 480-18068-1

SDG No.:

Client Sample ID: RB-06 (0-6") | Lab Sample ID: 480-18068-10

Matrix: Solid | Lab File ID: X5096.D

Analysis Method: 8270C | Date Collected: 04/02/2012 16:10

Extract. Method: 3550B | Date Extracted: 04/05/2012 10:44

Sample wt/vol: +30.78(g) | Date Analyzed: 04/09/2012 19:51

Con. Extract Vol.: 1(mL) | Dilution Factor: 5

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

% Moisture: 10.1 | GPC Cleanup:(Y/N) N

Analysis Batch No.: 58786 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
95-95-4	2,4,5-Trichlorophenol	ND		920	200
88-06-2	2,4,6-Trichlorophenol	ND		920	60
120-83-2	2,4-Dichlorophenol	ND		920	48
105-67-9	2,4-Dimethylphenol	ND		920	250
51-28-5	2,4-Dinitrophenol	ND		1800	320
121-14-2	2,4-Dinitrotoluene	ND		920	140
606-20-2	2,6-Dinitrotoluene	ND		920	220
91-58-7	2-Chloronaphthalene	ND		920	61
95-57-8	2-Chlorophenol	ND		920	47
91-57-6	2-Methylnaphthalene	130	J	920	11
95-48-7	2-Methylphenol	ND		920	28
88-74-4	2-Nitroaniline	ND		1800	290
88-75-5	2-Nitrophenol	ND		920	42
91-94-1	3,3'-Dichlorobenzidine	ND		920	800
99-09-2	3-Nitroaniline	ND		1800	210
534-52-1	4,6-Dinitro-2-methylphenol	ND		1800	320
101-55-3	4-Bromophenyl phenyl ether	ND		920	290
59-50-7	4-Chloro-3-methylphenol	ND		920	38
106-47-8	4-Chloroaniline	ND		920	270
7005-72-3	4-Chlorophenyl phenyl ether	ND		920	20
106-44-5	4-Methylphenol	ND		1800	51
100-01-6	4-Nitroaniline	ND		1800	100
100-02-7	4-Nitrophenol	ND	*	1800	220
83-32-9	Acenaphthene	95	J	920	11
208-96-8	Acenaphthylene	150	J	920	7.5
98-86-2	Acetophenone	ND		920	47
120-12-7	Anthracene	290	J	920	23
1912-24-9	Atrazine	ND	*	920	41
100-52-7	Benzaldehyde	ND		920	100
56-55-3	Benzo(a)anthracene	1900		920	16
50-32-8	Benzo(a)pyrene	2900		920	22
205-99-2	Benzo(b)fluoranthene	4100		920	18
191-24-2	Benzo(g,h,i)perylene	3100		920	11
207-08-9	Benzo(k)fluoranthene	1800		920	10

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Buffalo | Job No.: 480-18068-1

SDG No.:

Client Sample ID: RB-06 (0-6") | Lab Sample ID: 480-18068-10

Matrix: Solid | Lab File ID: X5096.D

Analysis Method: 8270C | Date Collected: 04/02/2012 16:10

Extract. Method: 3550B | Date Extracted: 04/05/2012 10:44

Sample wt/vol: +30.78(g) | Date Analyzed: 04/09/2012 19:51

Con. Extract Vol.: 1(mL) | Dilution Factor: 5

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

% Moisture: 10.1 | GPC Cleanup:(Y/N) N

Analysis Batch No.: 58786 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
92-52-4	Biphenyl	ND		920	57
108-60-1	bis (2-chloroisopropyl) ether	ND		920	96
111-91-1	Bis(2-chloroethoxy)methane	ND		920	50
111-44-4	Bis(2-chloroethyl)ether	ND		920	79
117-81-7	Bis(2-ethylhexyl) phthalate	ND		920	290
85-68-7	Butyl benzyl phthalate	ND		920	250
105-60-2	Caprolactam	ND		920	400
86-74-8	Carbazole	160	J	920	11
218-01-9	Chrysene	2600		920	9.2
53-70-3	Dibenz(a,h)anthracene	870	J	920	11
132-64-9	Dibenzofuran	80	J	920	9.5
84-66-2	Diethyl phthalate	ND		920	28
131-11-3	Dimethyl phthalate	ND		920	24
84-74-2	Di-n-butyl phthalate	ND		920	320
117-84-0	Di-n-octyl phthalate	ND		920	21
206-44-0	Fluoranthene	2700		920	13
86-73-7	Fluorene	86	J	920	21
118-74-1	Hexachlorobenzene	ND		920	45
87-68-3	Hexachlorobutadiene	ND		920	47
77-47-4	Hexachlorocyclopentadiene	ND		920	280
67-72-1	Hexachloroethane	ND		920	71
193-39-5	Indeno(1,2,3-cd)pyrene	2600		920	25
78-59-1	Isophorone	ND		920	46
91-20-3	Naphthalene	110	J	920	15
98-95-3	Nitrobenzene	ND		920	41
621-64-7	N-Nitrosodi-n-propylamine	ND		920	73
86-30-6	N-Nitrosodiphenylamine	ND		920	50
87-86-5	Pentachlorophenol	ND		1800	310
85-01-8	Phenanthrene	1200		920	19
108-95-2	Phenol	ND		920	96
129-00-0	Pyrene	2500		920	5.9

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Buffalo | Job No.: 480-18068-1

SDG No.:

Client Sample ID: RB-06 (0-6") | Lab Sample ID: 480-18068-10

Matrix: Solid | Lab File ID: X5096.D

Analysis Method: 8270C | Date Collected: 04/02/2012 16:10

Extract. Method: 3550B | Date Extracted: 04/05/2012 10:44

Sample wt/vol: +30.78(g) | Date Analyzed: 04/09/2012 19:51

Con. Extract Vol.: 1(mL) | Dilution Factor: 5

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

% Moisture: 10.1 | GPC Cleanup:(Y/N) N

Analysis Batch No.: 58786 | Units: ug/Kg

CAS NO.	SURROGATE	%REC	Q	LIMITS
118-79-6	2,4,6-Tribromophenol	87		39-146
321-60-8	2-Fluorobiphenyl	88		37-120
367-12-4	2-Fluorophenol	70		18-120
4165-60-0	Nitrobenzene-d5	77		34-132
4165-62-2	Phenol-d5	80		11-120
1718-51-0	p-Terphenyl-d14	95		65-153

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

Lab Name: TestAmerica Buffalo | Job No.: 480-18068-1

SDG No.:

Client Sample ID: RB-06 (0-6") | Lab Sample ID: 480-18068-10

Matrix: Solid | Lab File ID: X5096.D

Analysis Method: 8270C | Date Collected: 04/02/2012 16:10

Extract. Method: 3550B | Date Extracted: 04/05/2012 10:44

Sample wt/vol: +30.78(g) | Date Analyzed: 04/09/2012 19:51

Con. Extract Vol.: 1(mL) | Dilution Factor: 5

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

% Moisture: 10.1 | GPC Cleanup:(Y/N) N

Analysis Batch No.: 58786 | Units: ug/Kg

Number TICs Found: 3 | TIC Result Total: 5940

CAS NO.	COMPOUND NAME	RT	RESULT	Q
	Unknown	2.31	2900	T J
	Unknown	13.22	740	T J
207-8-9	Benzo[k]fluoranthene	14.76	2300	T J N

TestAmerica Laboratories
Target Compound Quantitation Report

Data File:	\\Bufchrom\ChromData\HP5973X\20120409-10842.b\X5096.D		
Lims ID:	480-18068-B-10-B	Client ID:	RB-06 (0-6")
Inject. Date:	09-Apr-2012 19:51:30	Dil. Factor:	5.0000
Sample Type:	Client		
Sample ID:	480-0010842-009		
Misc. Info.:			
Operator:	RMM	Instrument ID:	HP5973X
Vol. Injected:	1.0000	ALS Bottle#:	9
Lims Batch ID:	58786	Lims Sample ID:	9
Detector:	MS SCAN		
Method:	\\Bufchrom\ChromData\HP5973X\20120409-10842.b\X-8270.m		
Last Update:	10-Apr-2012 10:41:49	Calib Date:	09-Apr-2012 15:39:30
Quant Method:	Internal Standard	Quant By:	Initial Calibration
Last ICal File:	\\Bufchrom\ChromData\HP5973X\20120409-10830.b\X5085.D		
Limit Group:	MB - 8270C ICAL		
Integrator:	RTE	ID Type:	Deconvolution ID
Process Host:	CORP-CTX-19		
First Level Reviewer: mckernar		Date:	10-Apr-2012 10:47:58

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ng/uL	Flags
* 1 1,4-Dichlorobenzene-d4	152	6.029	6.040	-0.011	97	126250	40.0	
* 2 Naphthalene-d8	136	7.530	7.536	-0.006	93	447109	40.0	
* 3 Acenaphthene-d10	164	9.603	9.603	0.0	53	252680	40.0	
* 4 Phenanthrene-d10	188	11.211	11.211	0.0	99	439104	40.0	
* 5 Chrysene-d12	240	13.620	13.620	0.0	100	414831	40.0	
* 6 Perylene-d12	264	14.870	14.865	0.005	100	483583	40.0	
$ 7 2-Fluorophenol	112	4.464	4.475	-0.011	95	104371	20.9	
$ 8 Phenol-d5	99	5.591	5.602	-0.011	74	141664	23.9	
$ 9 Nitrobenzene-d5	82	6.681	6.697	-0.016	95	78729	15.5	
$ 10 2-Fluorobiphenyl	172	8.812	8.823	-0.011	99	144259	17.7	
$ 11 2,4,6-Tribromophenol	330	10.490	10.501	-0.011	77	23754	26.2	
$ 12 p-Terphenyl-d14	244	12.702	12.707	-0.005	97	167711	19.1	
62 Benzaldehyde	77		5.532					
63 Phenol	94		5.618					
66 Bis(2-chloroethyl)ether	93		5.735					
67 2-Chlorophenol	128		5.789					
73 2-Methylphenol	108		6.339					
74 2,2'-oxybis[1-chloropropane]	45		6.376					
76 Acetophenone	105		6.515					
79 4-Methylphenol	108		6.526					
78 N-Nitrosodi-n-propylamine	70		6.531					
81 Hexachloroethane	117		6.633					
83 Nitrobenzene	77		6.724					
86 Isophorone	82		7.012					
87 2-Nitrophenol	139		7.098					
89 2,4-Dimethylphenol	107		7.162					
94 Bis(2-chloroethoxy)methane	93		7.279					
97 2,4-Dichlorophenol	162		7.381					
99 Naphthalene	128	7.557	7.573	-0.016	51	6542	0.5971	
101 4-Chloroaniline	127		7.648					
104 Hexachlorobutadiene	225		7.723					

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ng/uL	Flags
105 Caprolactam	113		8.038					
110 4-Chloro-3-methylphenol	107		8.214					
113 2-Methylnaphthalene	142	8.374	8.374	-0.011	30	5031	0.7439	
116 Hexachlorocyclopentadiene	237		8.567					
118 2,4,6-Trichlorophenol	196		8.716					
119 2,4,5-Trichlorophenol	196		8.754					
123 1,1'-Biphenyl	154		8.930					
124 2-Chloronaphthalene	162		8.951					
125 2-Nitroaniline	65		9.090					
128 Dimethyl phthalate	163		9.320					
130 2,6-Dinitrotoluene	165		9.384					
131 Acenaphthylene	152	9.432	9.443	-0.011	55	8888	0.8042	
132 3-Nitroaniline	138		9.582					
133 Acenaphthene	153	9.635	9.646	-0.011	54	3521	0.5261	
134 2,4-Dinitrophenol	184		9.699					
135 4-Nitrophenol	109		9.785					
138 Dibenzofuran	168	9.843	9.843	-0.006	6	4308	0.4449	
137 2,4-Dinitrotoluene	165		9.854					
142 Diethyl phthalate	149		10.143					
144 Fluorene	166	10.228	10.228	-0.011	44	3790	0.4758	
145 4-Chlorophenyl phenyl ether	204		10.250					
147 4-Nitroaniline	138		10.282					
148 4,6-Dinitro-2-methylphenol	198		10.308					
149 N-Nitrosodiphenylamine	169		10.383					
159 4-Bromophenyl phenyl ether	248		10.773					
160 Hexachlorobenzene	284		10.821					
163 Atrazine	200		10.955					
165 Pentachlorophenol	266		11.030					
171 Phenanthrene	178	11.232	11.238	-0.006	98	73553	6.87	
172 Anthracene	178	11.281	11.291	-0.011	82	17096	1.58	
173 Carbazole	167	11.446	11.457	-0.011	58	9527	0.9078	
176 Di-n-butyl phthalate	149		11.804					
182 Fluoranthene	202	12.354	12.360	-0.006	98	189307	14.9	
185 Pyrene	202	12.557	12.568	-0.011	98	184019	14.0	
192 Butyl benzyl phthalate	149		13.134					
196 3,3'-Dichlorobenzidine	252		13.594					
197 Benzo[a]anthracene	228	13.610	13.615	-0.005	63	127162	10.3	
198 Bis(2-ethylhexyl) phthalate	149		13.626					
199 Chrysene	228	13.642	13.647	-0.005	98	176009	14.2	
201 Di-n-octyl phthalate	149		14.165					
203 Benzo[b]fluoranthene	252	14.523	14.523	0.0	99	294265	22.8	
204 Benzo[k]fluoranthene	252	14.539	14.539	-0.011	93	133676	9.76	M
206 Benzo[a]pyrene	252	14.812	14.823	-0.011	99	185505	16.2	
208 Indeno[1,2,3-cd]pyrene	276	15.934	15.944	-0.010	90	184994	14.5	
209 Dibenz(a,h)anthracene	278	15.939	15.955	-0.016	52	54123	4.79	
210 Benzo[g,h,i]perylene	276	16.243	16.254	-0.011	98	181932	16.9	

QC Flag Legend

Review Flags
M - Manually Integrated

TestAmerica Laboratories
Tentatively Identified Quantitation Report

Data File:	\\Bufchrom\ChromData\HP5973X\20120409-10842.b\X5096.D		
Lims ID:	480-18068-B-10-B	Client ID:	RB-06 (0-6")
Inject. Date:	09-Apr-2012 19:51:30	Dil. Factor:	5.0000
Sample Type:	Client		
Sample ID:	480-0010842-009		
Misc. Info.:			
Operator:	RMM	Instrument ID:	HP5973X
Vol. Injected:	1.0000	ALS Bottle#:	9
Lims Batch ID:	58786	Lims Sample ID:	9
Detector:	MS SCAN		
Method:	\\Bufchrom\ChromData\HP5973X\20120409-10842.b\X-8270.m		
Last Update:	10-Apr-2012 10:41:49	Calib Date:	09-Apr-2012 15:39:30
Tic RT Window:	1.500 -0.000	Response:	area
Quant By:	Nearest ISTD	Quant LOD:	10.00000
MS Library:	\\Bufchrom\ChromData\Database\NIST98.L		
Min. Match:	85		
Process Host:	CORP-CTX-19		
First Level Reviewer: mckernar		Date:	10-Apr-2012 10:47:58

Calibrated Tentative Identified Compound Results

Compound	RT	Response	Amount ng/uL	Flags
1-Methylnaphthalene (TIC)	8.487	4457	0.7056	
Anthraquinone	12.002	2844		
7,12-Dimethylbenz(a)anthracene	14.299	3182		

Tentative Identified Compound Results

RT	Response	Amount ng/uL	Quant Cpnd	Qual	Lib Entry	Flags
	Unknown					
2.306	328522	15.9	1			
	Unknown					
13.220	157618	4.07	5			
207-8-9	Benzo[k]fluoranthene					
14.764	464398	12.5	6	93	93384	

Quantitation Compounds

Compound	RT	Response	Amount ng/uL
* 1 1,4-Dichlorobenzene-d4	6.029	828903	40.0
* 5 Chrysene-d12	13.620	1548423	40.0
* 6 Perylene-d12	14.870	1491267	40.0

QC Flag Legend

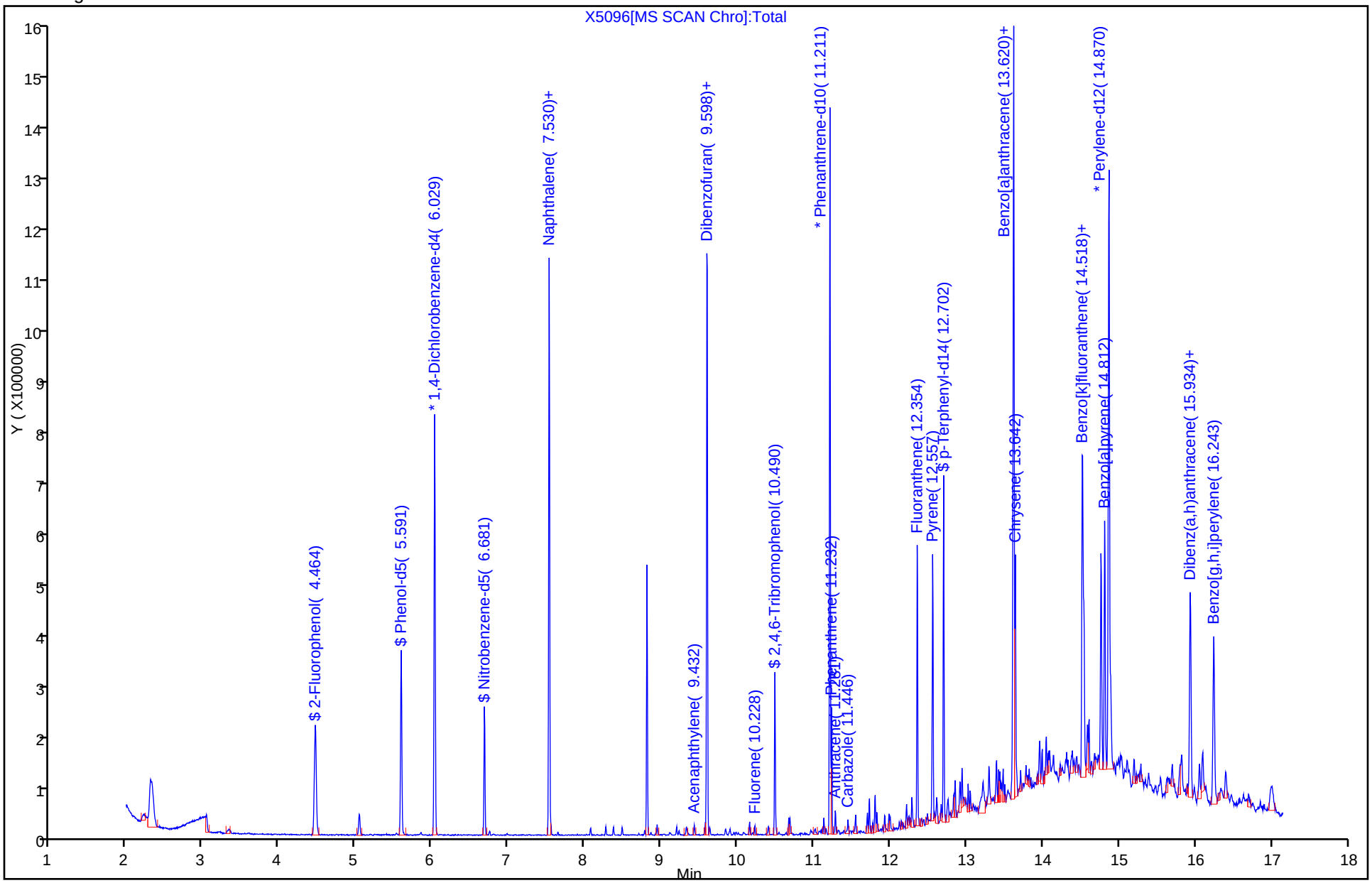
Processing Flags

Report Date: 10-Apr-2012 10:47:59 Chrom Revision: 2.0 20-Feb-2012 13:27:02

Data File: \\Bufchrom\ChromData\HP5973X\20120409-10842.b\X5096.D

Injection Date:	09-Apr-2012 19:51:30	Limit Group:	MB - 8270C ICAL
Client ID:	RB-06 (0-6")	Instrument ID:	HP5973X
Lims Batch ID:	58786	Lims Sample ID:	9
Operator ID:	RMM	Injection Vol:	1.00 ul
Column Type:	RXI-5Sil MS	Column Dia:	0.25 mm

Y Scaling:

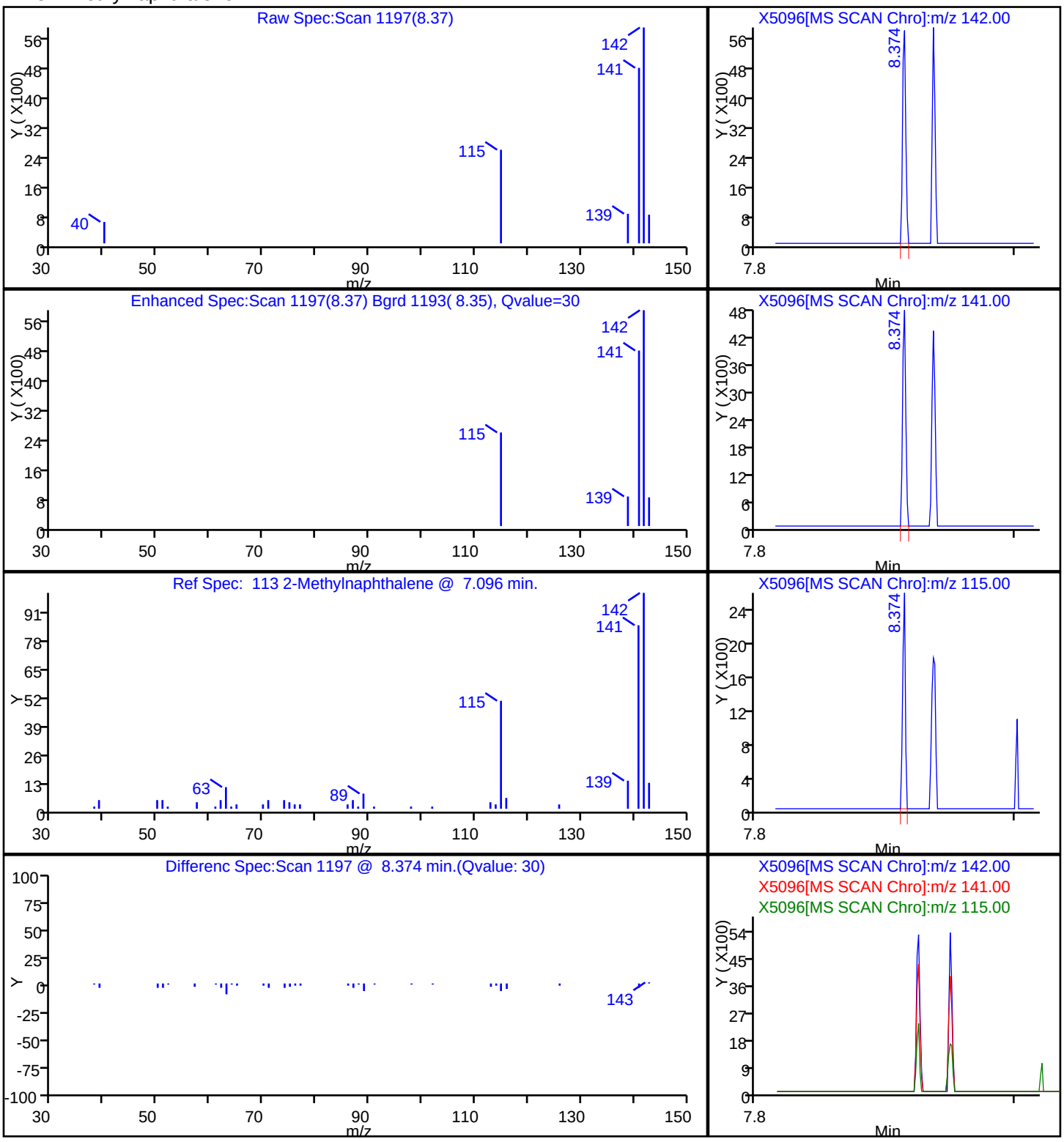


Report Date: 10-Apr-2012 10:47:59 Chrom Revision: 2.0 20-Feb-2012 13:27:02

Data File: \\Bufchrom\ChromData\HP5973X\20120409-10842.b\X5096.D

Injection Date:	09-Apr-2012 19:51:30	Limit Group:	MB - 8270C ICAL
Client ID:	RB-06 (0-6")	Instrument ID:	HP5973X
Lims Batch ID:	58786	Lims Sample ID:	9
Operator ID:	RMM	Injection Vol:	1.00 ul
Column Type:	RXI-5Sil MS	Column Dia:	0.25 mm

113 2-Methylnaphthalene

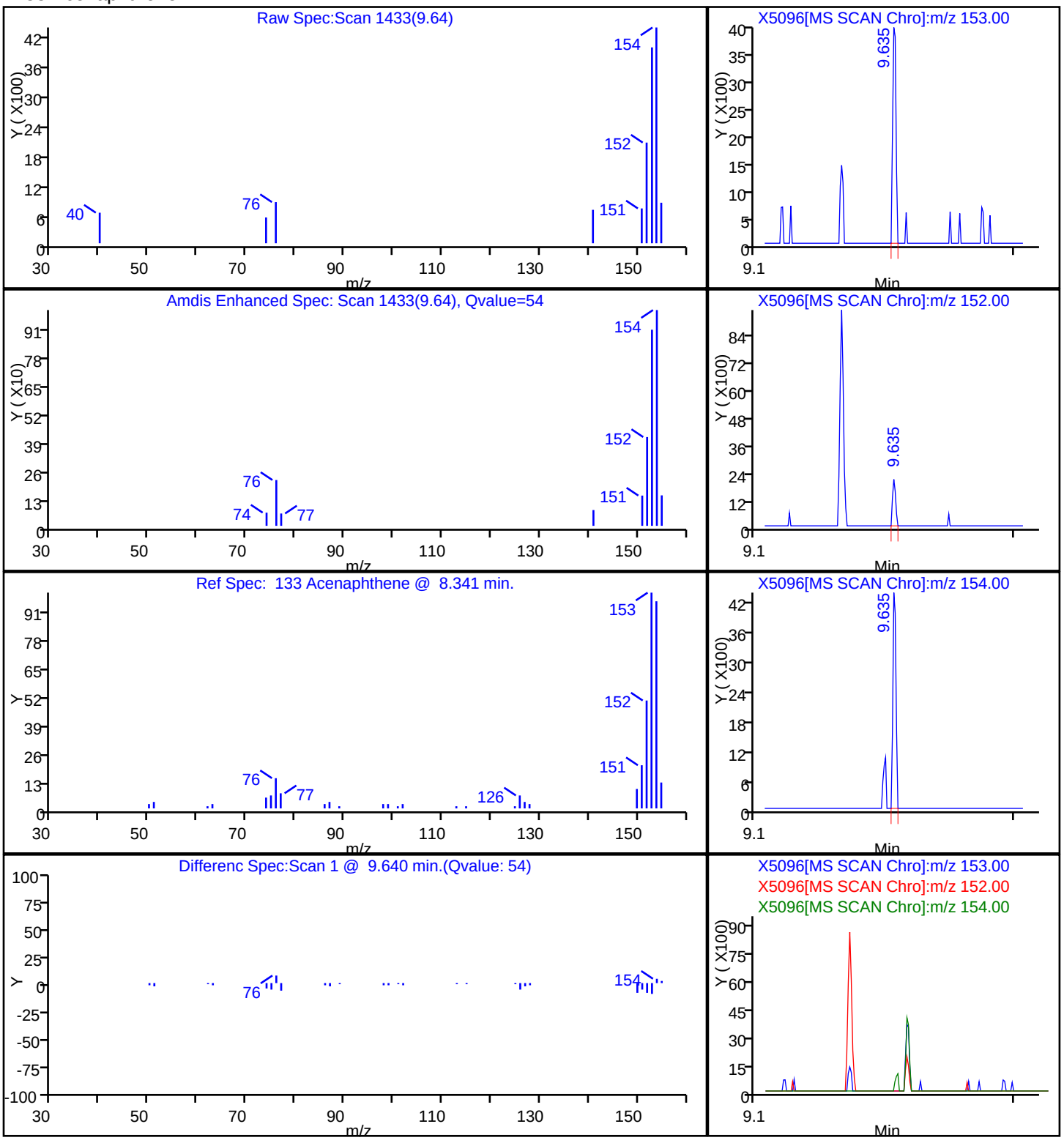


Report Date: 10-Apr-2012 10:47:59 Chrom Revision: 2.0 20-Feb-2012 13:27:02

Data File: \\Bufchrom\ChromData\HP5973X\20120409-10842.b\X5096.D

Injection Date:	09-Apr-2012 19:51:30	Limit Group:	MB - 8270C ICAL
Client ID:	RB-06 (0-6")	Instrument ID:	HP5973X
Lims Batch ID:	58786	Lims Sample ID:	9
Operator ID:	RMM	Injection Vol:	1.00 ul
Column Type:	RXI-5Sil MS	Column Dia:	0.25 mm

133 Acenaphthene

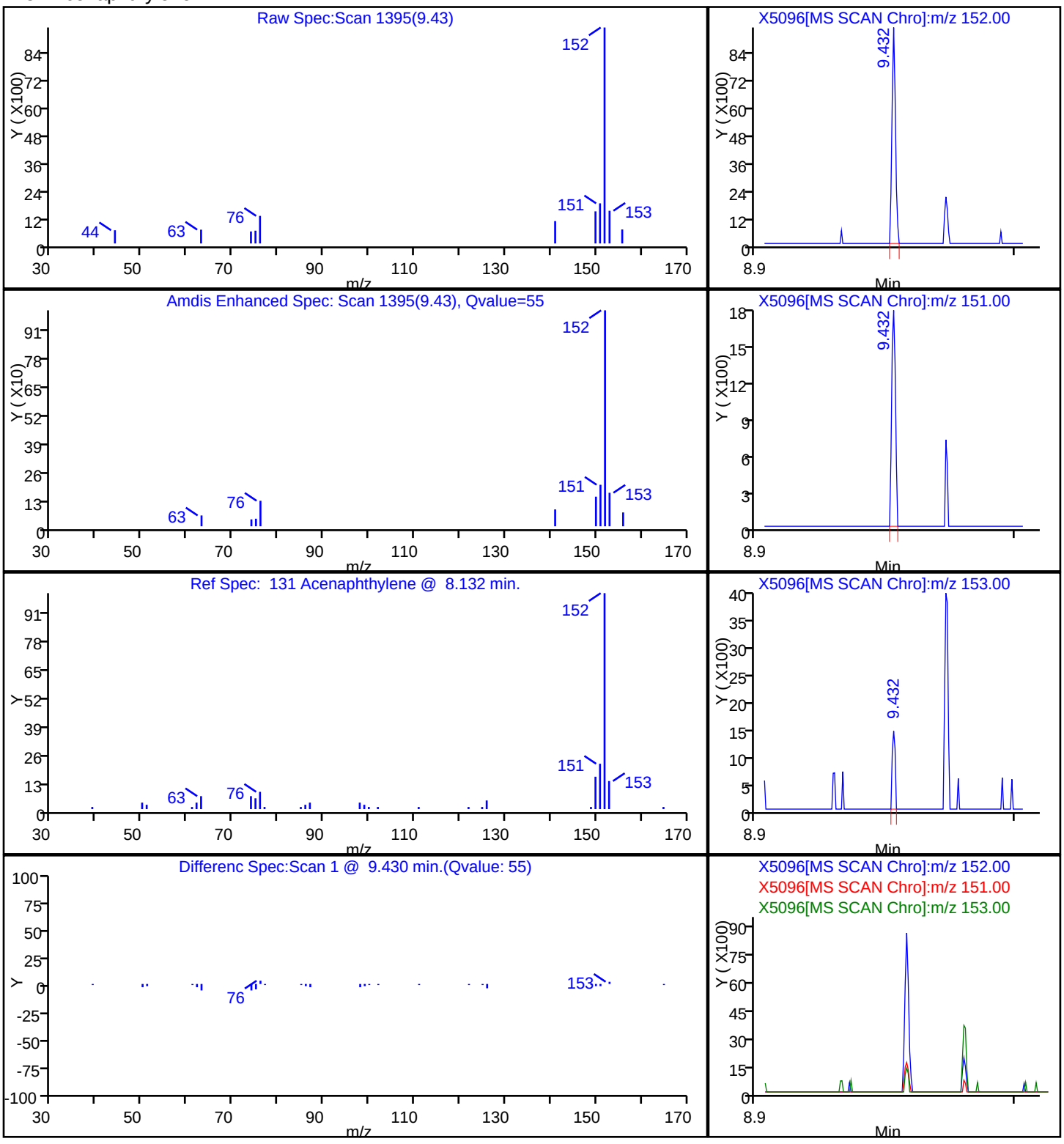


Report Date: 10-Apr-2012 10:47:59 Chrom Revision: 2.0 20-Feb-2012 13:27:02

Data File: \\Bufchrom\ChromData\HP5973X\20120409-10842.b\X5096.D

Injection Date:	09-Apr-2012 19:51:30	Limit Group:	MB - 8270C ICAL
Client ID:	RB-06 (0-6")	Instrument ID:	HP5973X
Lims Batch ID:	58786	Lims Sample ID:	9
Operator ID:	RMM	Injection Vol:	1.00 ul
Column Type:	RXI-5Sil MS	Column Dia:	0.25 mm

131 Acenaphthylene

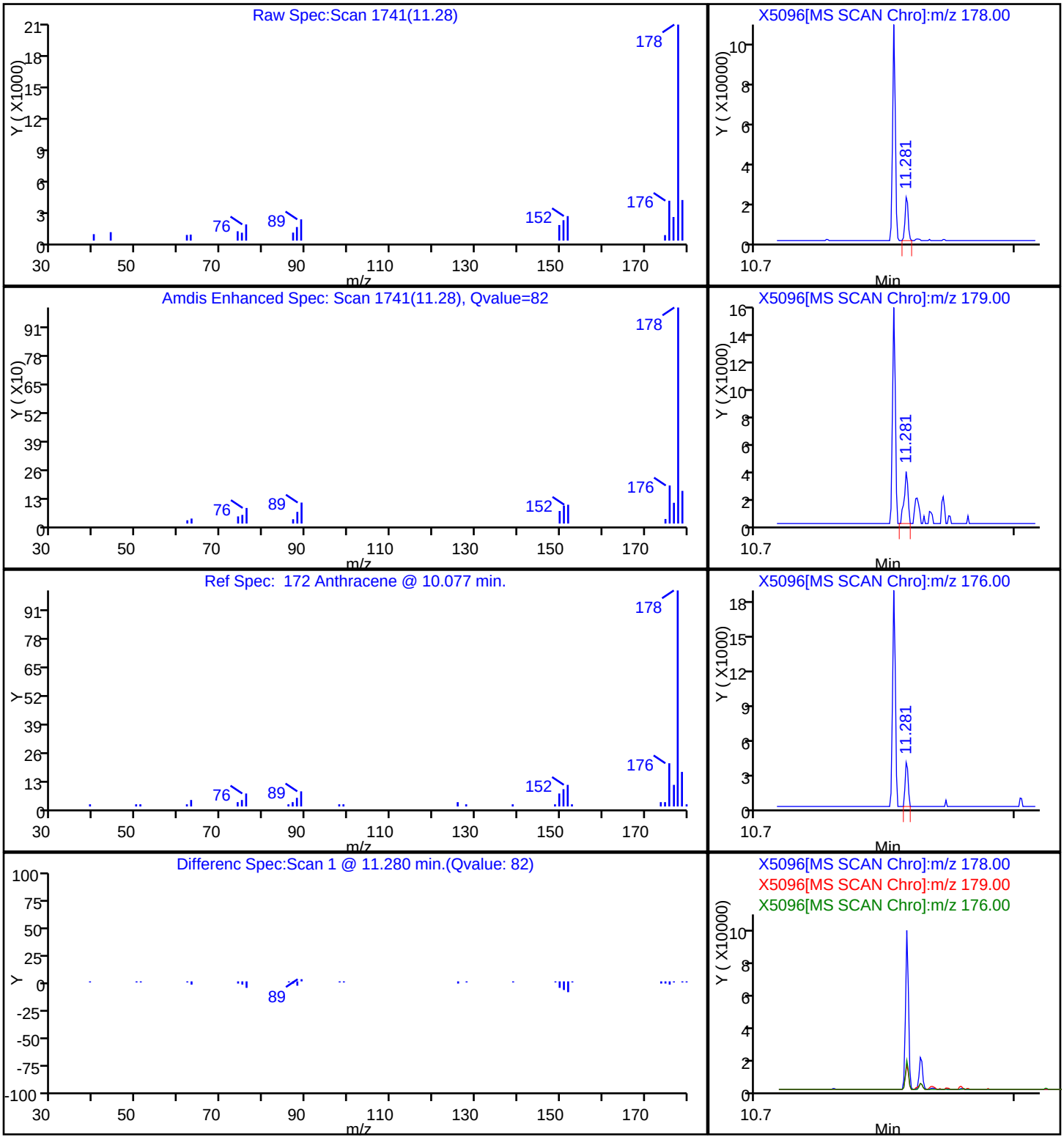


Report Date: 10-Apr-2012 10:47:59 Chrom Revision: 2.0 20-Feb-2012 13:27:02

Data File: \\Bufchrom\ChromData\HP5973X\20120409-10842.b\X5096.D

Injection Date:	09-Apr-2012 19:51:30	Limit Group:	MB - 8270C ICAL
Client ID:	RB-06 (0-6")	Instrument ID:	HP5973X
Lims Batch ID:	58786	Lims Sample ID:	9
Operator ID:	RMM	Injection Vol:	1.00 ul
Column Type:	RXI-5Sil MS	Column Dia:	0.25 mm

172 Anthracene

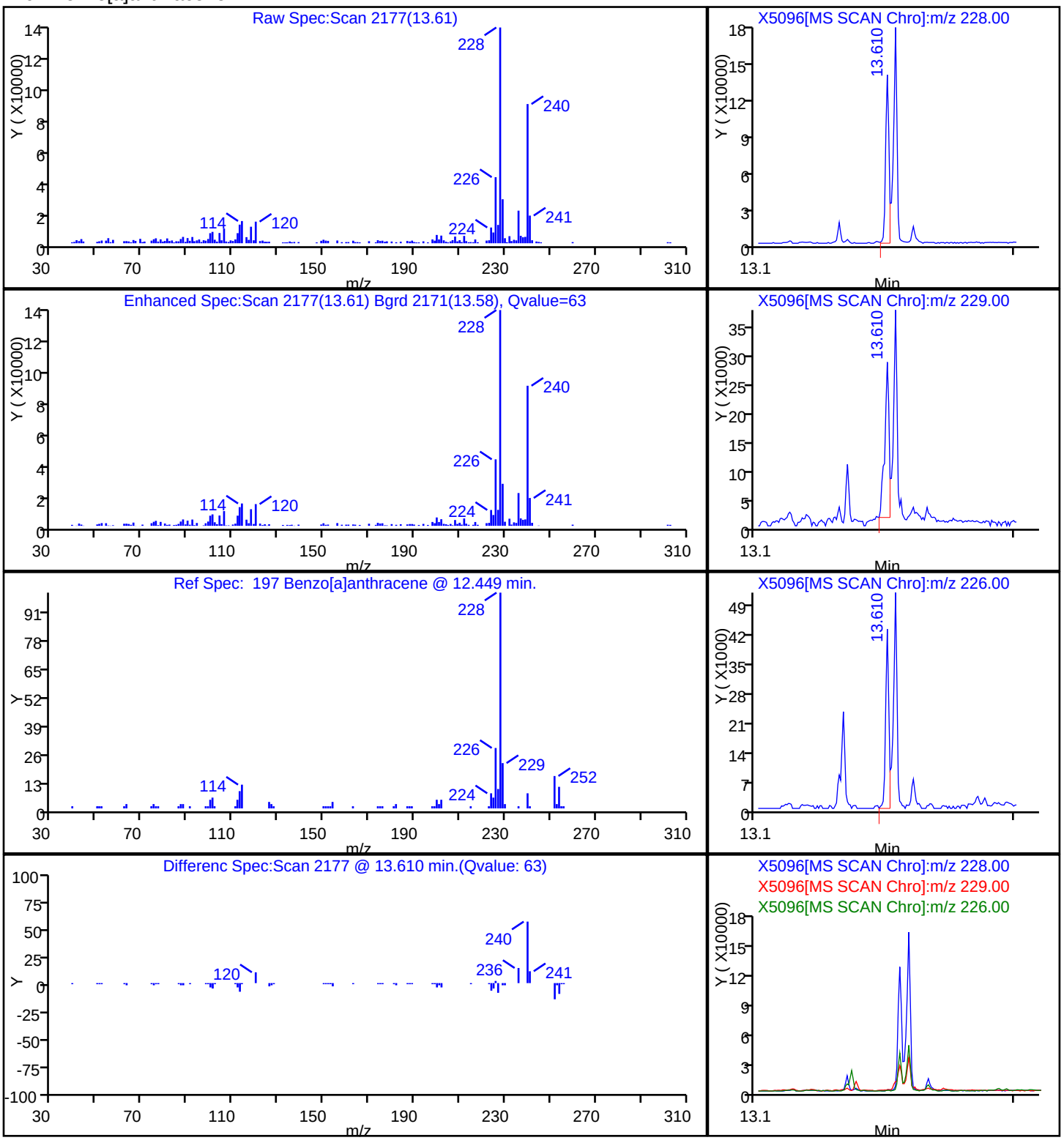


Report Date: 10-Apr-2012 10:47:59 Chrom Revision: 2.0 20-Feb-2012 13:27:02

Data File: \\Bufchrom\ChromData\HP5973X\20120409-10842.b\X5096.D

Injection Date:	09-Apr-2012 19:51:30	Limit Group:	MB - 8270C ICAL
Client ID:	RB-06 (0-6")	Instrument ID:	HP5973X
Lims Batch ID:	58786	Lims Sample ID:	9
Operator ID:	RMM	Injection Vol:	1.00 ul
Column Type:	RXI-5Sil MS	Column Dia:	0.25 mm

197 Benzo[a]anthracene

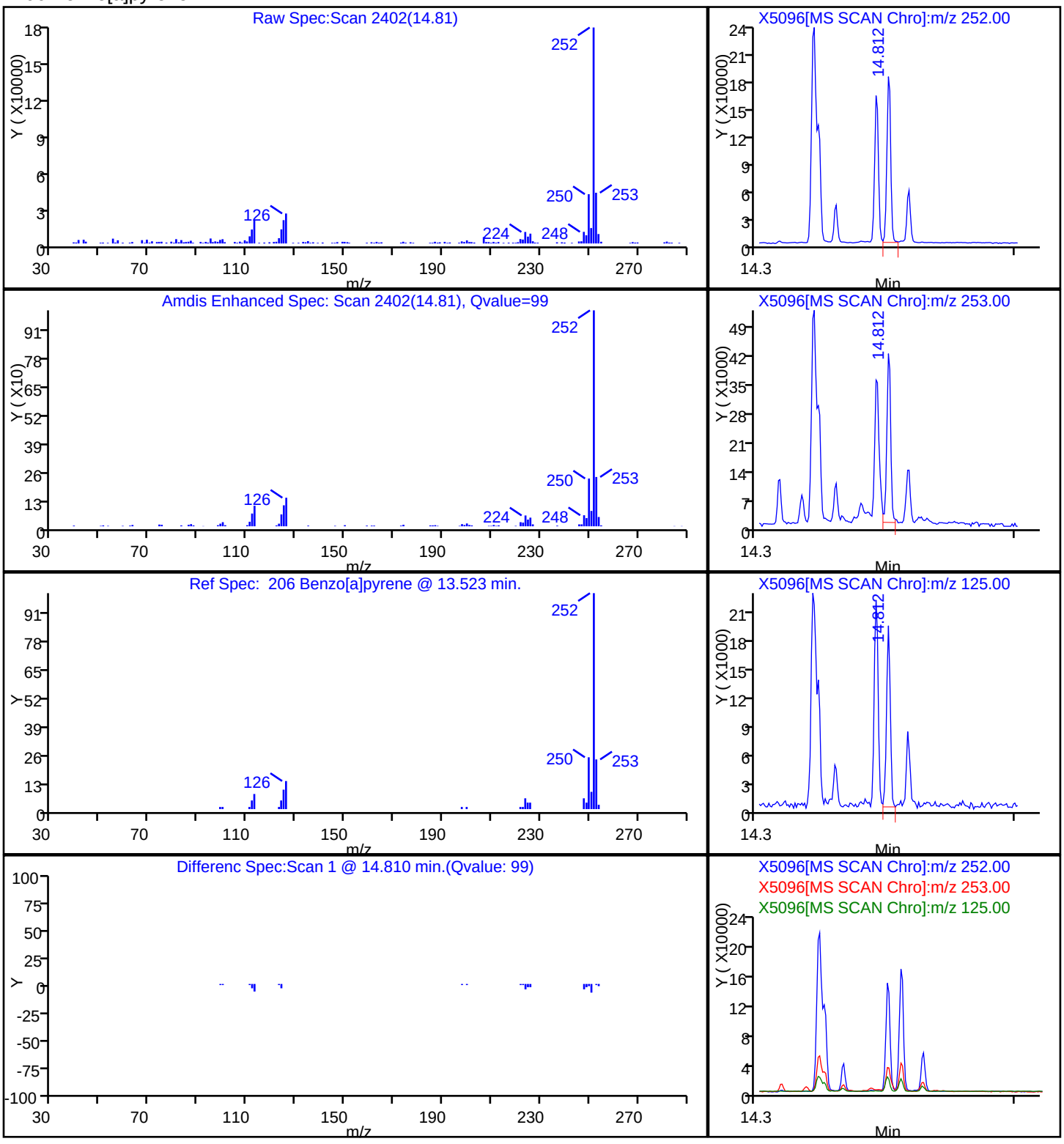


Report Date: 10-Apr-2012 10:47:59 Chrom Revision: 2.0 20-Feb-2012 13:27:02

Data File: \\Bufchrom\ChromData\HP5973X\20120409-10842.b\X5096.D

Injection Date:	09-Apr-2012 19:51:30	Limit Group:	MB - 8270C ICAL
Client ID:	RB-06 (0-6")	Instrument ID:	HP5973X
Lims Batch ID:	58786	Lims Sample ID:	9
Operator ID:	RMM	Injection Vol:	1.00 ul
Column Type:	RXI-5Sil MS	Column Dia:	0.25 mm

206 Benzo[a]pyrene

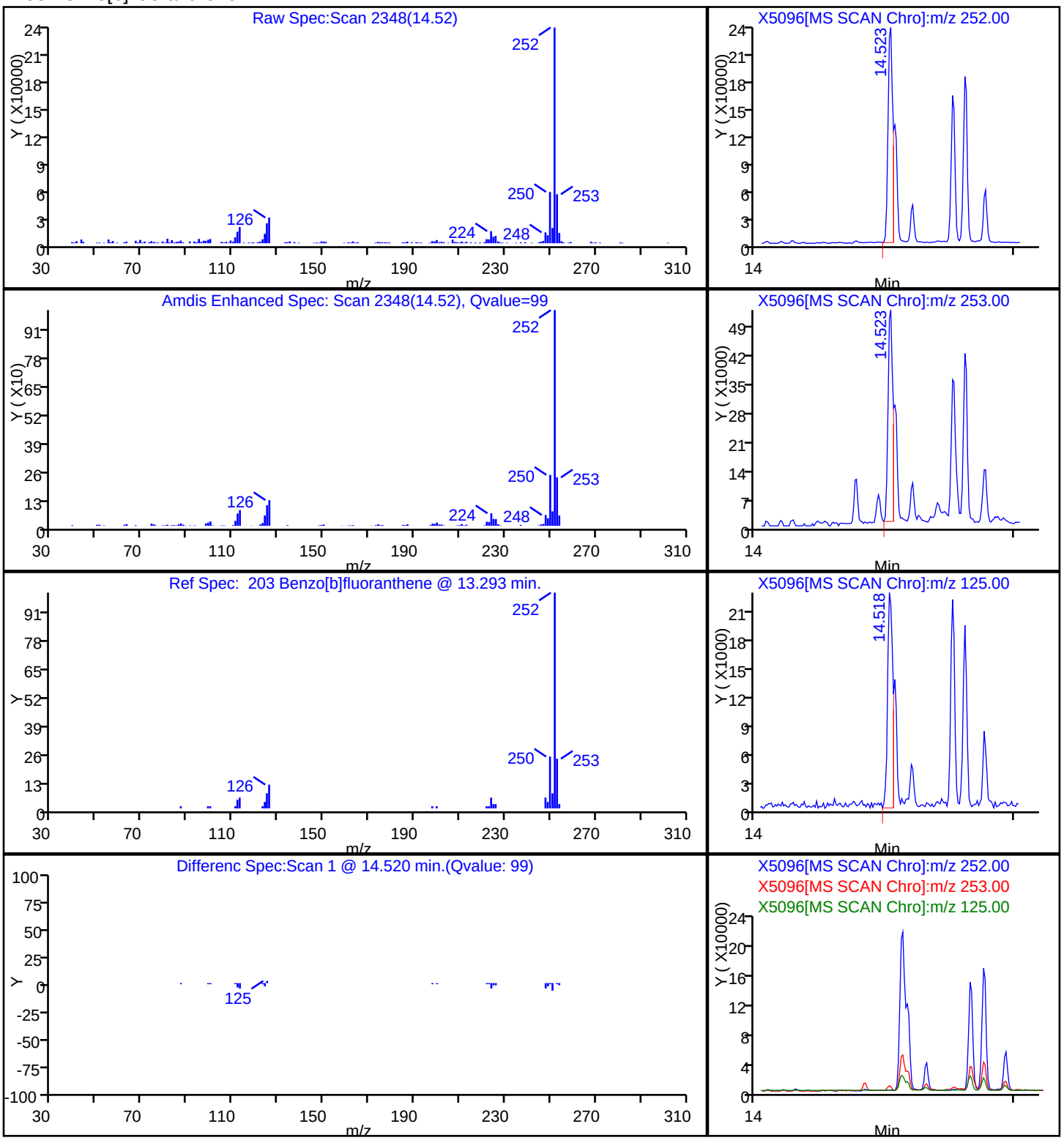


Report Date: 10-Apr-2012 10:47:59 Chrom Revision: 2.0 20-Feb-2012 13:27:02

Data File: \\Bufchrom\ChromData\HP5973X\20120409-10842.b\X5096.D

Injection Date:	09-Apr-2012 19:51:30	Limit Group:	MB - 8270C ICAL
Client ID:	RB-06 (0-6")	Instrument ID:	HP5973X
Lims Batch ID:	58786	Lims Sample ID:	9
Operator ID:	RMM	Injection Vol:	1.00 ul
Column Type:	RXI-5Sil MS	Column Dia:	0.25 mm

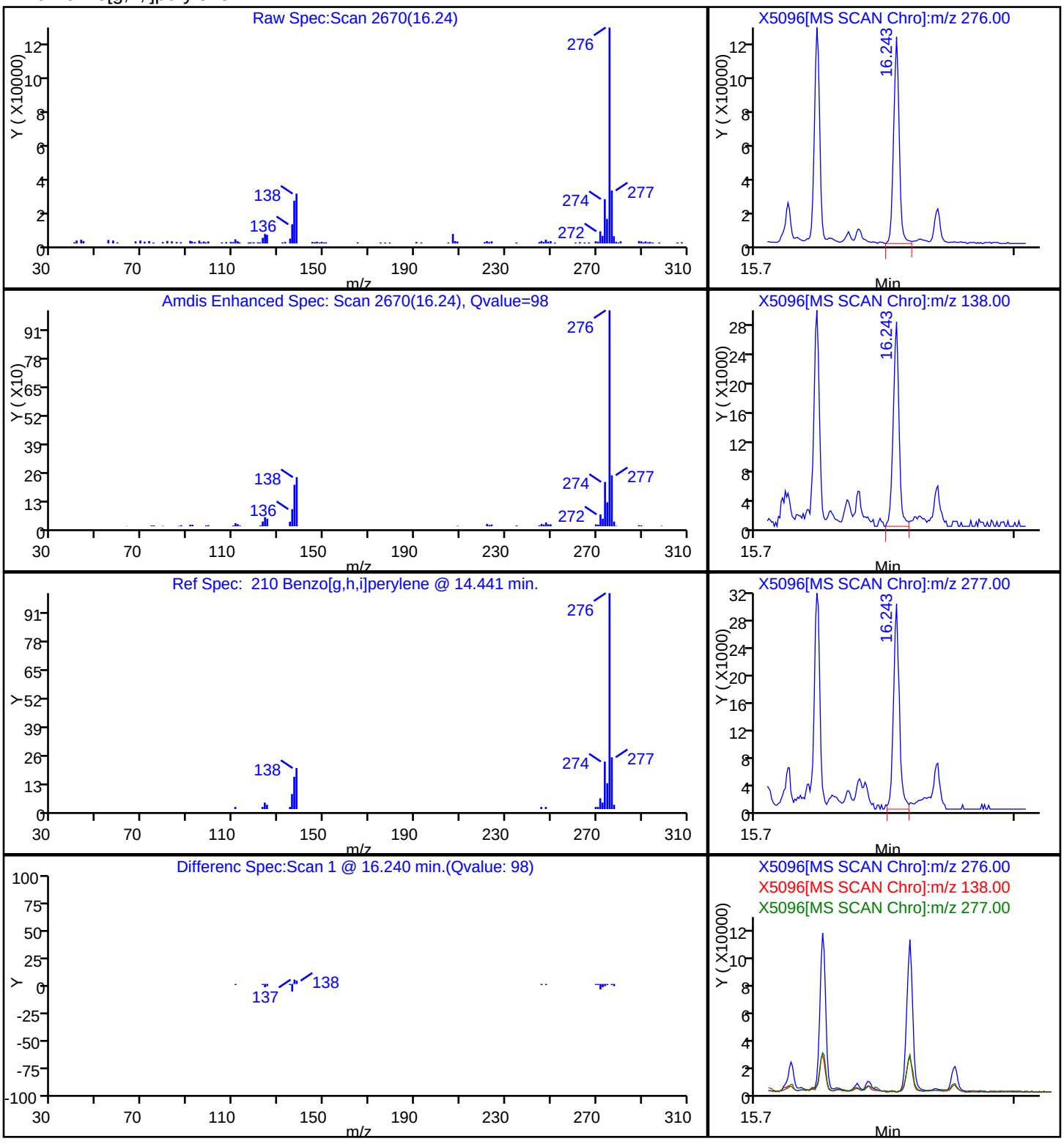
203 Benzo[b]fluoranthene



Report Date: 10-Apr-2012 10:47:59 Chrom Revision: 2.0 20-Feb-2012 13:27:02

Data File:	\\Bufchrom\ChromData\HP5973X\20120409-10842.b\X5096.D		
Injection Date:	09-Apr-2012 19:51:30	Limit Group:	MB - 8270C ICAL
Client ID:	RB-06 (0-6")	Instrument ID:	HP5973X
Lims Batch ID:	58786	Lims Sample ID:	9
Operator ID:	RMM	Injection Vol:	1.00 ul
Column Type:	RXI-5Sil MS	Column Dia:	0.25 mm

210 Benzo[g,h,i]perylene

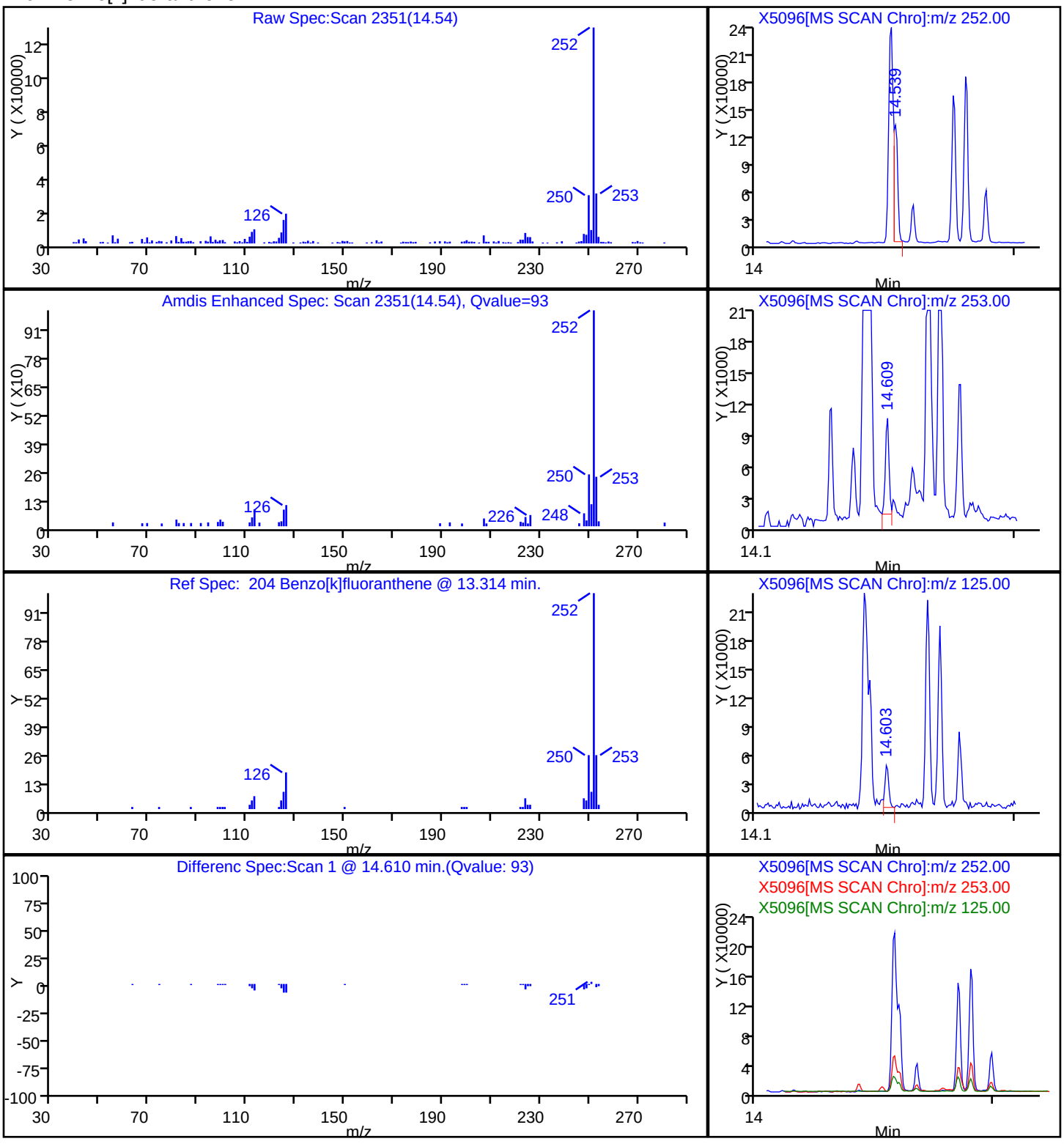


Report Date: 10-Apr-2012 10:47:59 Chrom Revision: 2.0 20-Feb-2012 13:27:02

Data File: \\Bufchrom\ChromData\HP5973X\20120409-10842.b\X5096.D

Injection Date:	09-Apr-2012 19:51:30	Limit Group:	MB - 8270C ICAL
Client ID:	RB-06 (0-6")	Instrument ID:	HP5973X
Lims Batch ID:	58786	Lims Sample ID:	9
Operator ID:	RMM	Injection Vol:	1.00 ul
Column Type:	RXI-5Sil MS	Column Dia:	0.25 mm

204 Benzo[k]fluoranthene

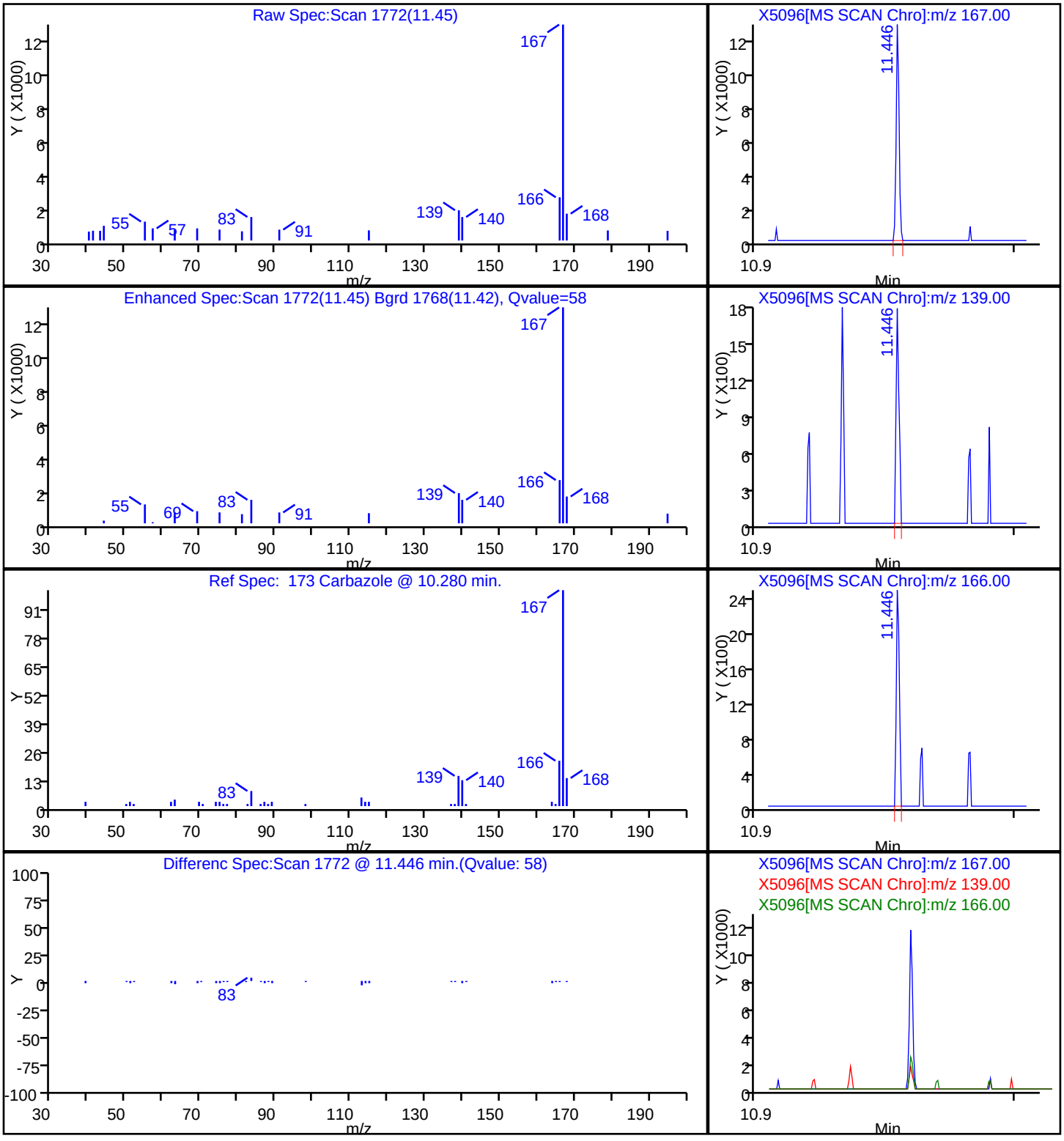


Report Date: 10-Apr-2012 10:47:59 Chrom Revision: 2.0 20-Feb-2012 13:27:02

Data File: \\Bufchrom\ChromData\HP5973X\20120409-10842.b\X5096.D

Injection Date:	09-Apr-2012 19:51:30	Limit Group:	MB - 8270C ICAL
Client ID:	RB-06 (0-6")	Instrument ID:	HP5973X
Lims Batch ID:	58786	Lims Sample ID:	9
Operator ID:	RMM	Injection Vol:	1.00 ul
Column Type:	RXI-5Sil MS	Column Dia:	0.25 mm

173 Carbazole

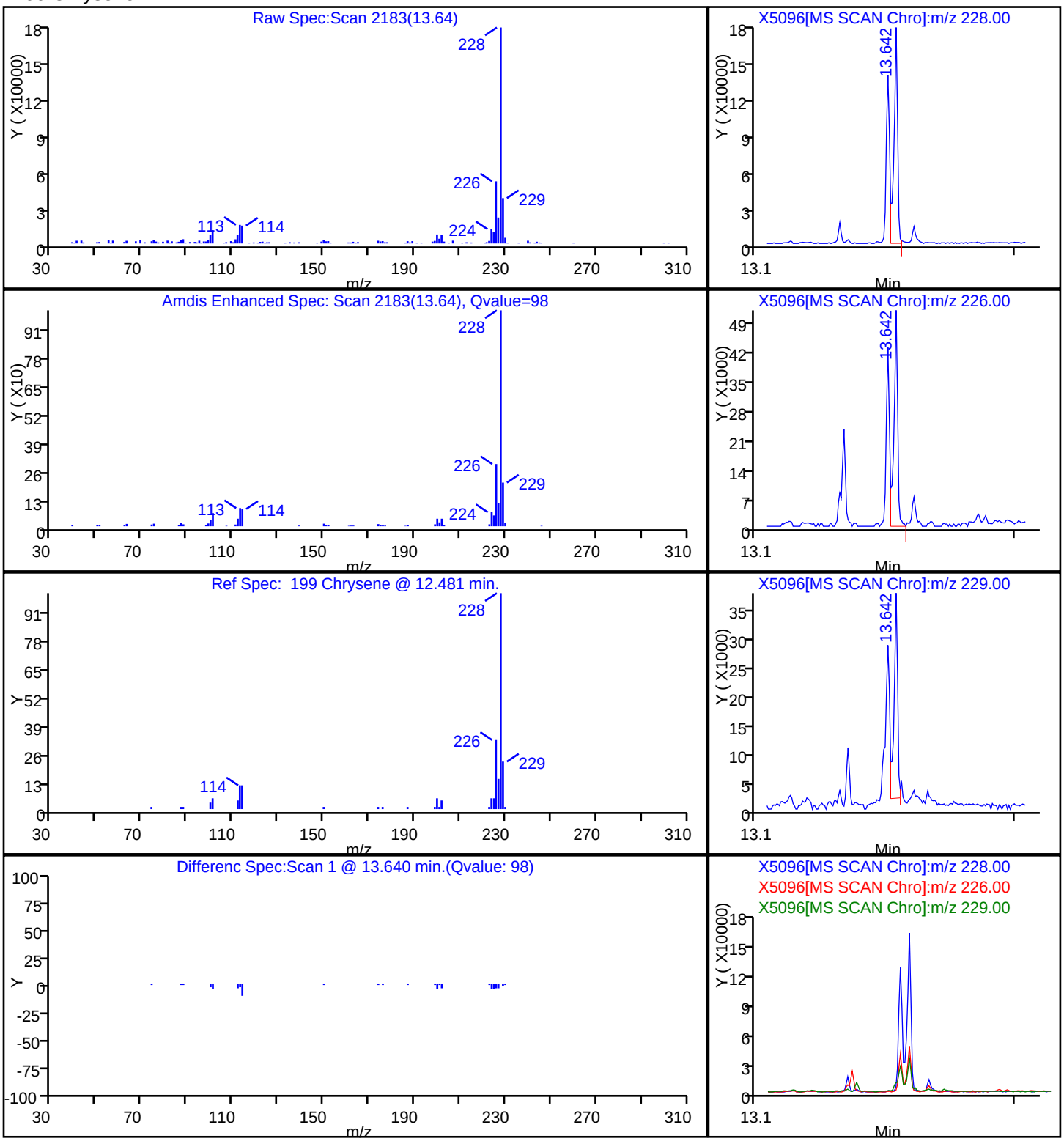


Report Date: 10-Apr-2012 10:47:59 Chrom Revision: 2.0 20-Feb-2012 13:27:02

Data File: \\Bufchrom\ChromData\HP5973X\20120409-10842.b\X5096.D

Injection Date:	09-Apr-2012 19:51:30	Limit Group:	MB - 8270C ICAL
Client ID:	RB-06 (0-6")	Instrument ID:	HP5973X
Lims Batch ID:	58786	Lims Sample ID:	9
Operator ID:	RMM	Injection Vol:	1.00 ul
Column Type:	RXI-5Sil MS	Column Dia:	0.25 mm

199 Chrysene

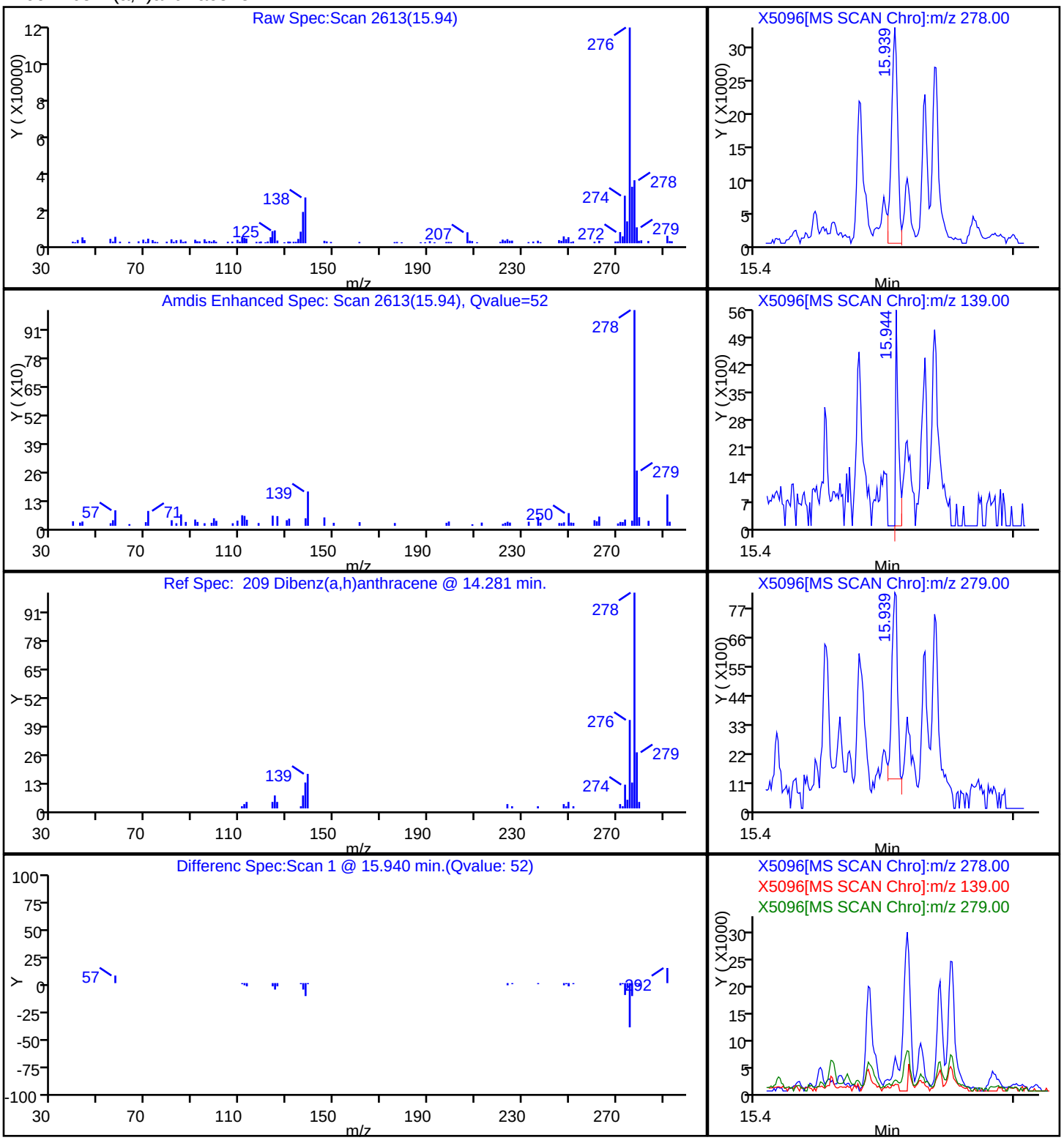


Report Date: 10-Apr-2012 10:47:59 Chrom Revision: 2.0 20-Feb-2012 13:27:02

Data File: \\Bufchrom\ChromData\HP5973X\20120409-10842.b\X5096.D

Injection Date:	09-Apr-2012 19:51:30	Limit Group:	MB - 8270C ICAL
Client ID:	RB-06 (0-6")	Instrument ID:	HP5973X
Lims Batch ID:	58786	Lims Sample ID:	9
Operator ID:	RMM	Injection Vol:	1.00 ul
Column Type:	RXI-5Sil MS	Column Dia:	0.25 mm

209 Dibenz(a,h)anthracene

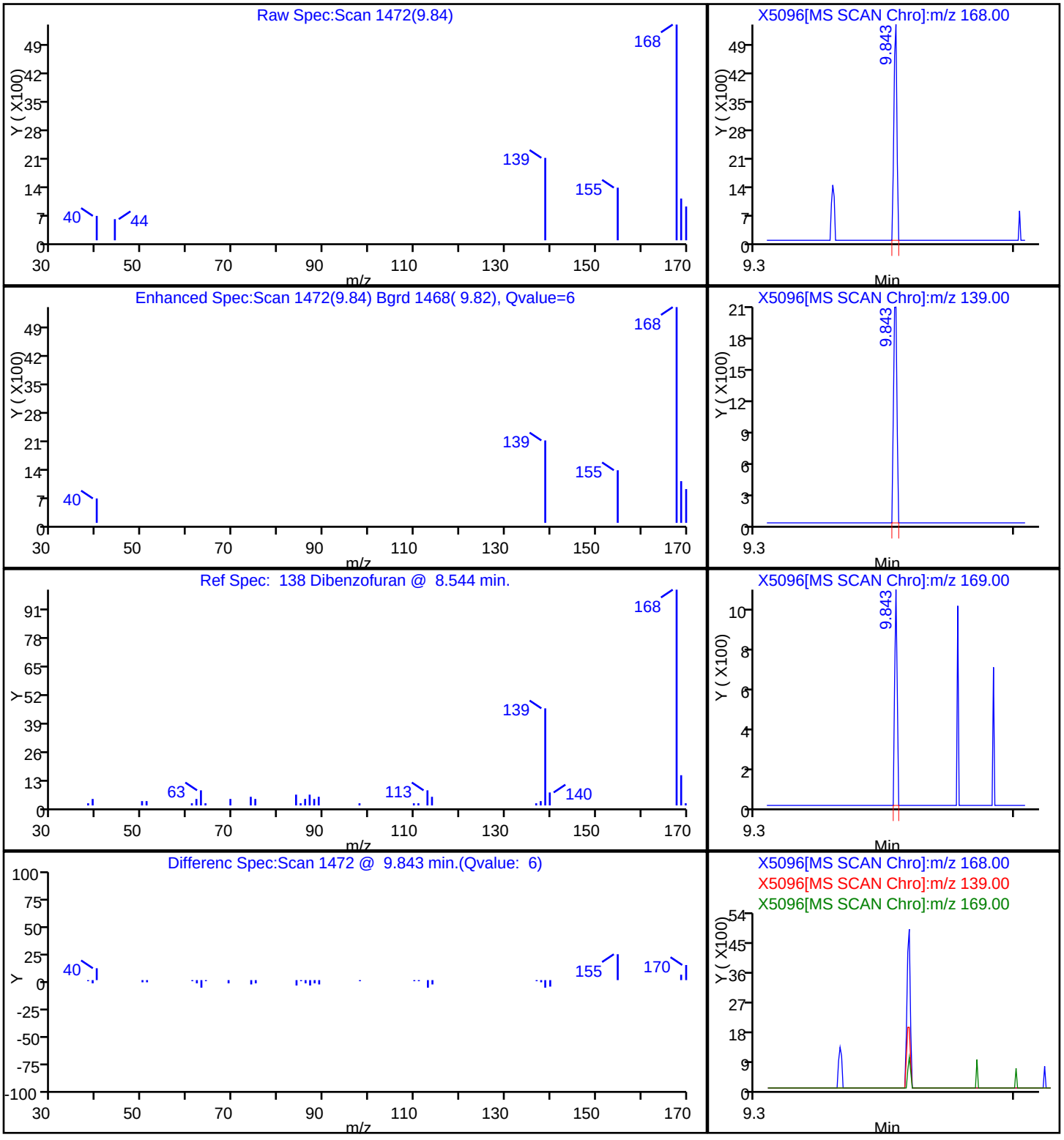


Report Date: 10-Apr-2012 10:47:59 Chrom Revision: 2.0 20-Feb-2012 13:27:02

Data File: \\Bufchrom\ChromData\HP5973X\20120409-10842.b\X5096.D

Injection Date:	09-Apr-2012 19:51:30	Limit Group:	MB - 8270C ICAL
Client ID:	RB-06 (0-6")	Instrument ID:	HP5973X
Lims Batch ID:	58786	Lims Sample ID:	9
Operator ID:	RMM	Injection Vol:	1.00 ul
Column Type:	RXI-5Sil MS	Column Dia:	0.25 mm

138 Dibenzofuran

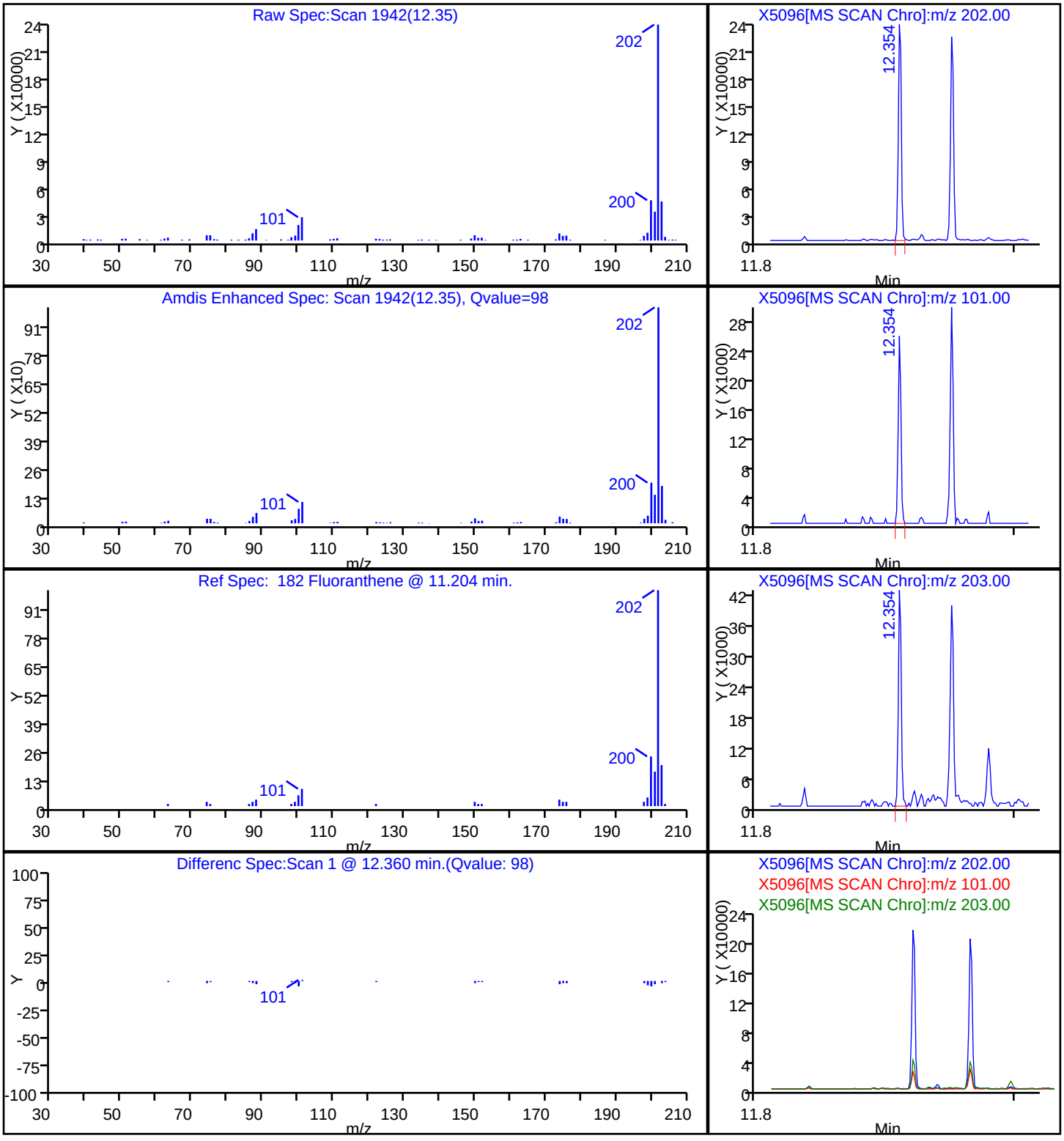


Report Date: 10-Apr-2012 10:47:59 Chrom Revision: 2.0 20-Feb-2012 13:27:02

Data File: \\Bufchrom\ChromData\HP5973X\20120409-10842.b\X5096.D

Injection Date:	09-Apr-2012 19:51:30	Limit Group:	MB - 8270C ICAL
Client ID:	RB-06 (0-6")	Instrument ID:	HP5973X
Lims Batch ID:	58786	Lims Sample ID:	9
Operator ID:	RMM	Injection Vol:	1.00 ul
Column Type:	RXI-5Sil MS	Column Dia:	0.25 mm

182 Fluoranthene

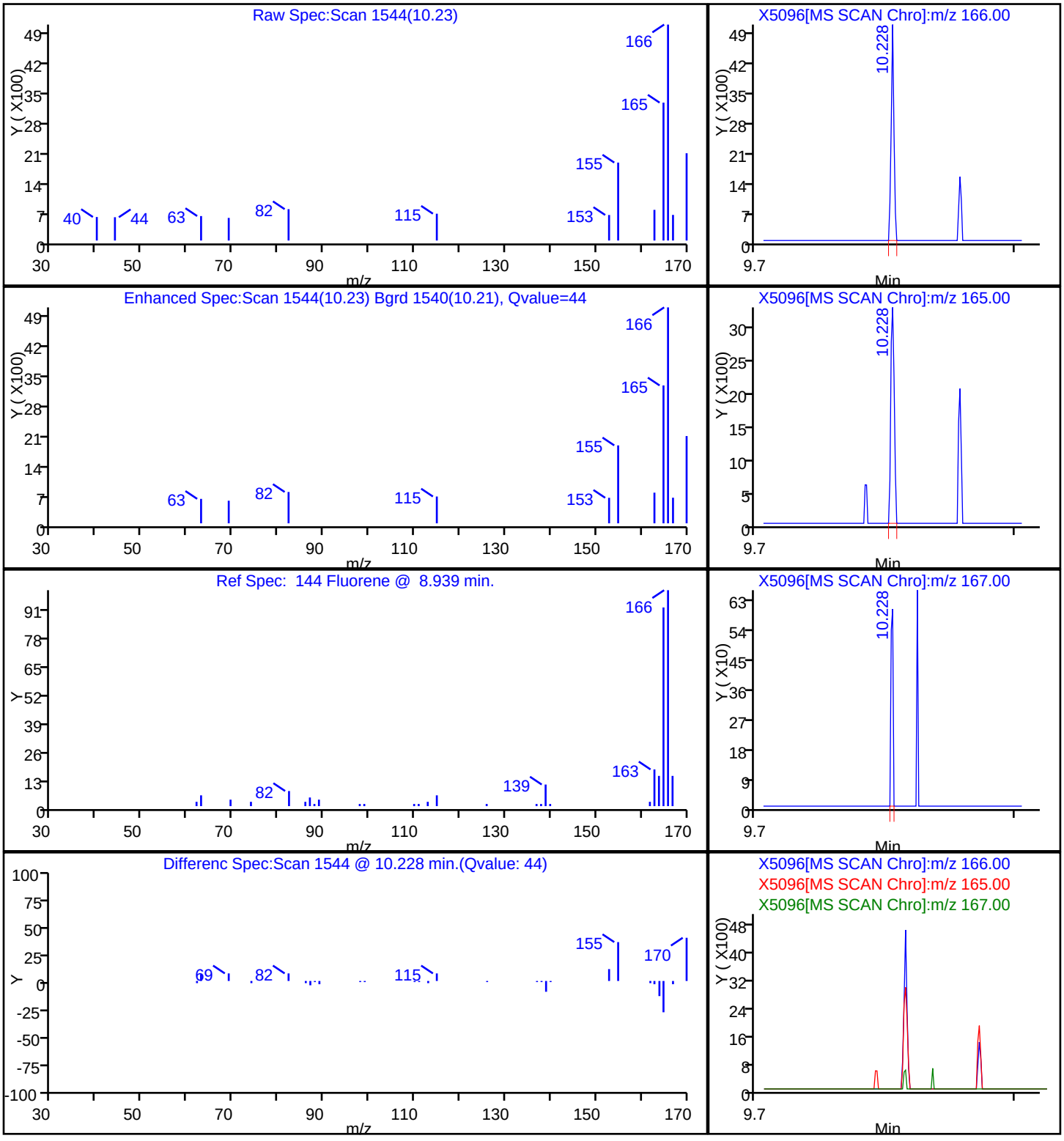


Report Date: 10-Apr-2012 10:47:59 Chrom Revision: 2.0 20-Feb-2012 13:27:02

Data File: \\Bufchrom\ChromData\HP5973X\20120409-10842.b\X5096.D

Injection Date:	09-Apr-2012 19:51:30	Limit Group:	MB - 8270C ICAL
Client ID:	RB-06 (0-6")	Instrument ID:	HP5973X
Lims Batch ID:	58786	Lims Sample ID:	9
Operator ID:	RMM	Injection Vol:	1.00 ul
Column Type:	RXI-5Sil MS	Column Dia:	0.25 mm

144 Fluorene

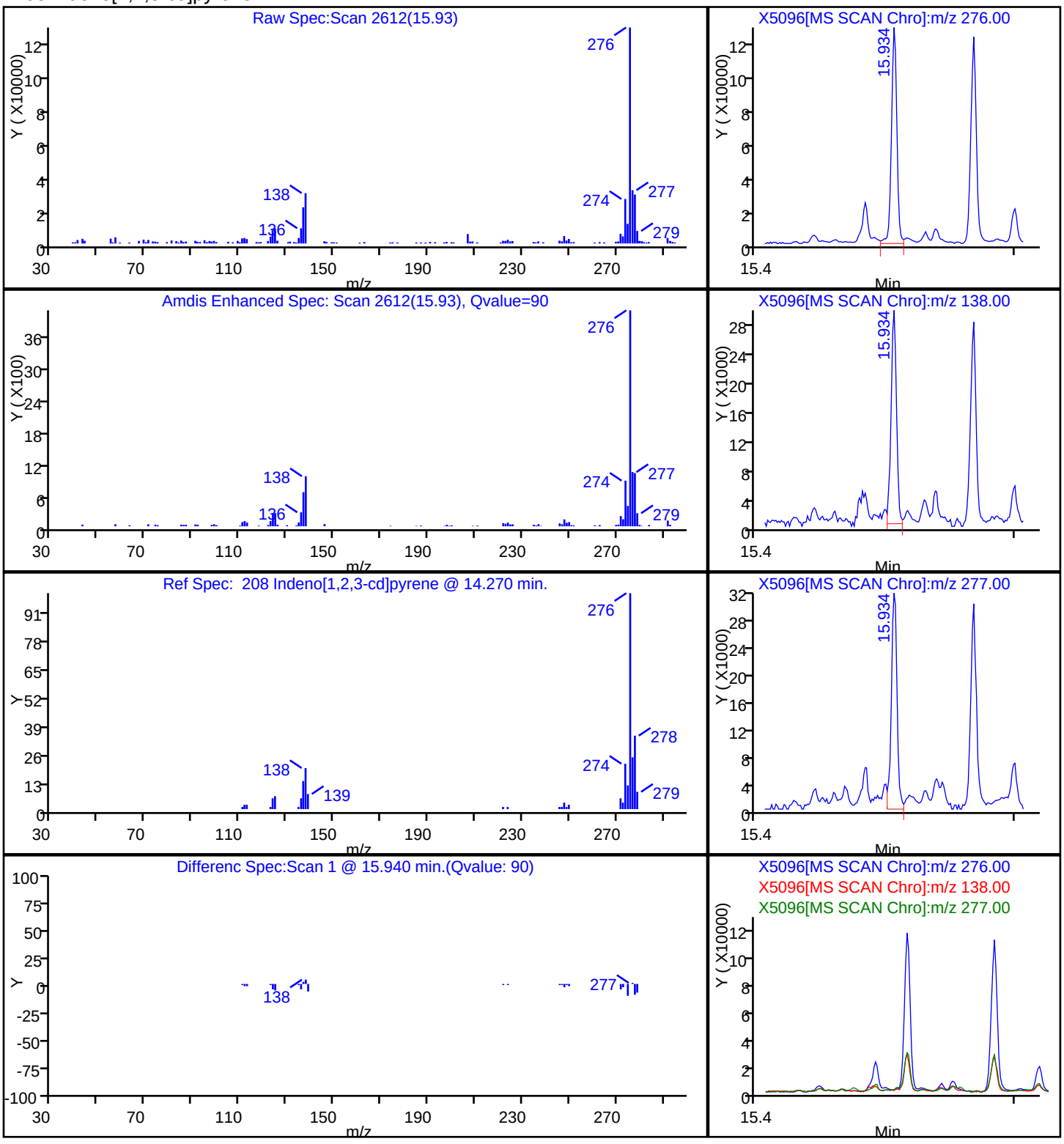


Report Date: 10-Apr-2012 10:47:59 Chrom Revision: 2.0 20-Feb-2012 13:27:02

Data File: \\Bufchrom\ChromData\HP5973X\20120409-10842.b\X5096.D

Injection Date:	09-Apr-2012 19:51:30	Limit Group:	MB - 8270C ICAL
Client ID:	RB-06 (0-6")	Instrument ID:	HP5973X
Lims Batch ID:	58786	Lims Sample ID:	9
Operator ID:	RMM	Injection Vol:	1.00 ul
Column Type:	RXI-5Sil MS	Column Dia:	0.25 mm

208 Indeno[1,2,3-cd]pyrene

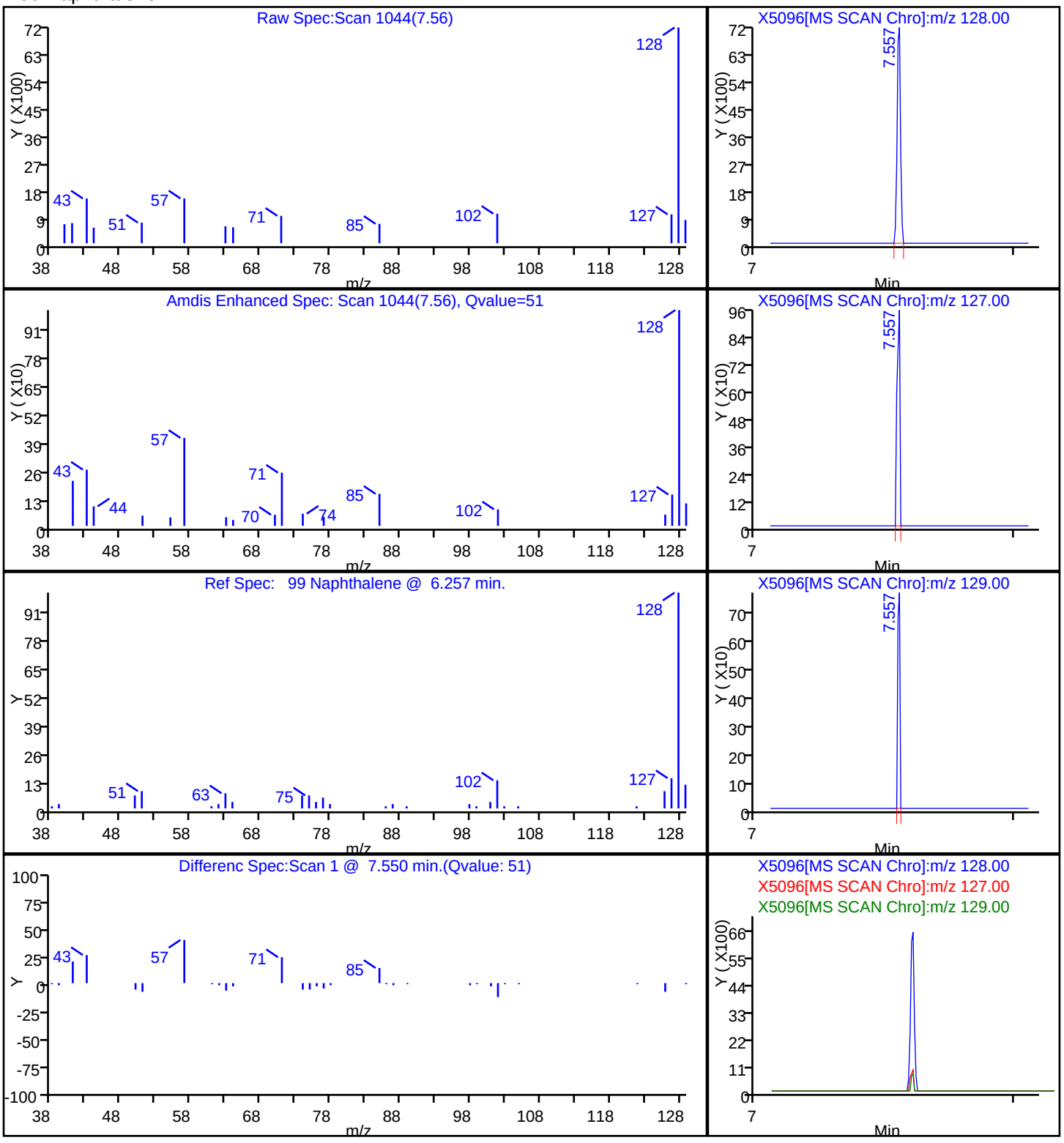


Report Date: 10-Apr-2012 10:47:59 Chrom Revision: 2.0 20-Feb-2012 13:27:02

Data File: \\Bufchrom\ChromData\HP5973X\20120409-10842.b\X5096.D

Injection Date:	09-Apr-2012 19:51:30	Limit Group:	MB - 8270C ICAL
Client ID:	RB-06 (0-6")	Instrument ID:	HP5973X
Lims Batch ID:	58786	Lims Sample ID:	9
Operator ID:	RMM	Injection Vol:	1.00 ul
Column Type:	RXI-5Sil MS	Column Dia:	0.25 mm

99 Naphthalene

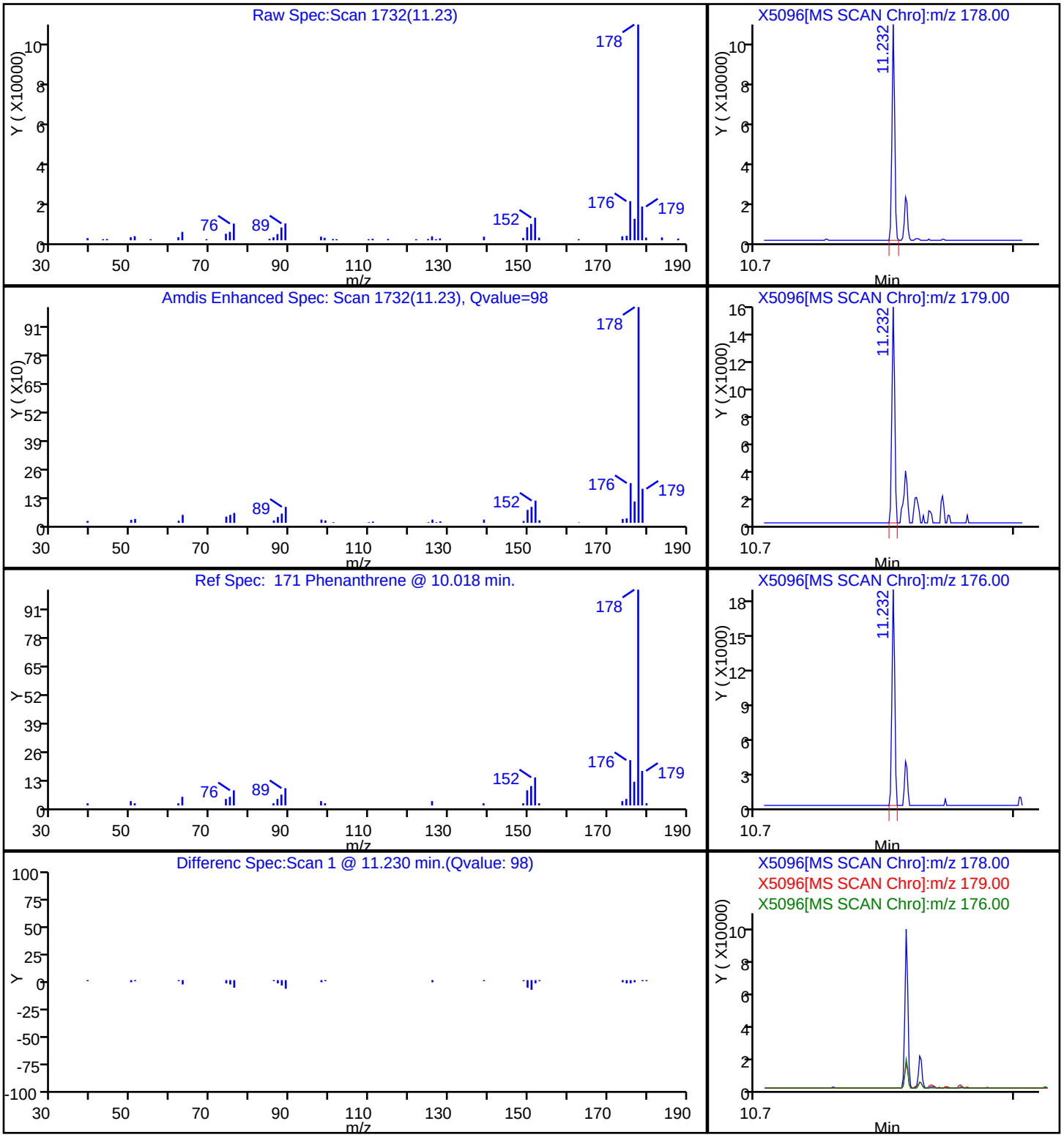


Report Date: 10-Apr-2012 10:47:59 Chrom Revision: 2.0 20-Feb-2012 13:27:02

Data File: \\Bufchrom\ChromData\HP5973X\20120409-10842.b\X5096.D

Injection Date:	09-Apr-2012 19:51:30	Limit Group:	MB - 8270C ICAL
Client ID:	RB-06 (0-6")	Instrument ID:	HP5973X
Lims Batch ID:	58786	Lims Sample ID:	9
Operator ID:	RMM	Injection Vol:	1.00 ul
Column Type:	RXI-5Sil MS	Column Dia:	0.25 mm

171 Phenanthrene

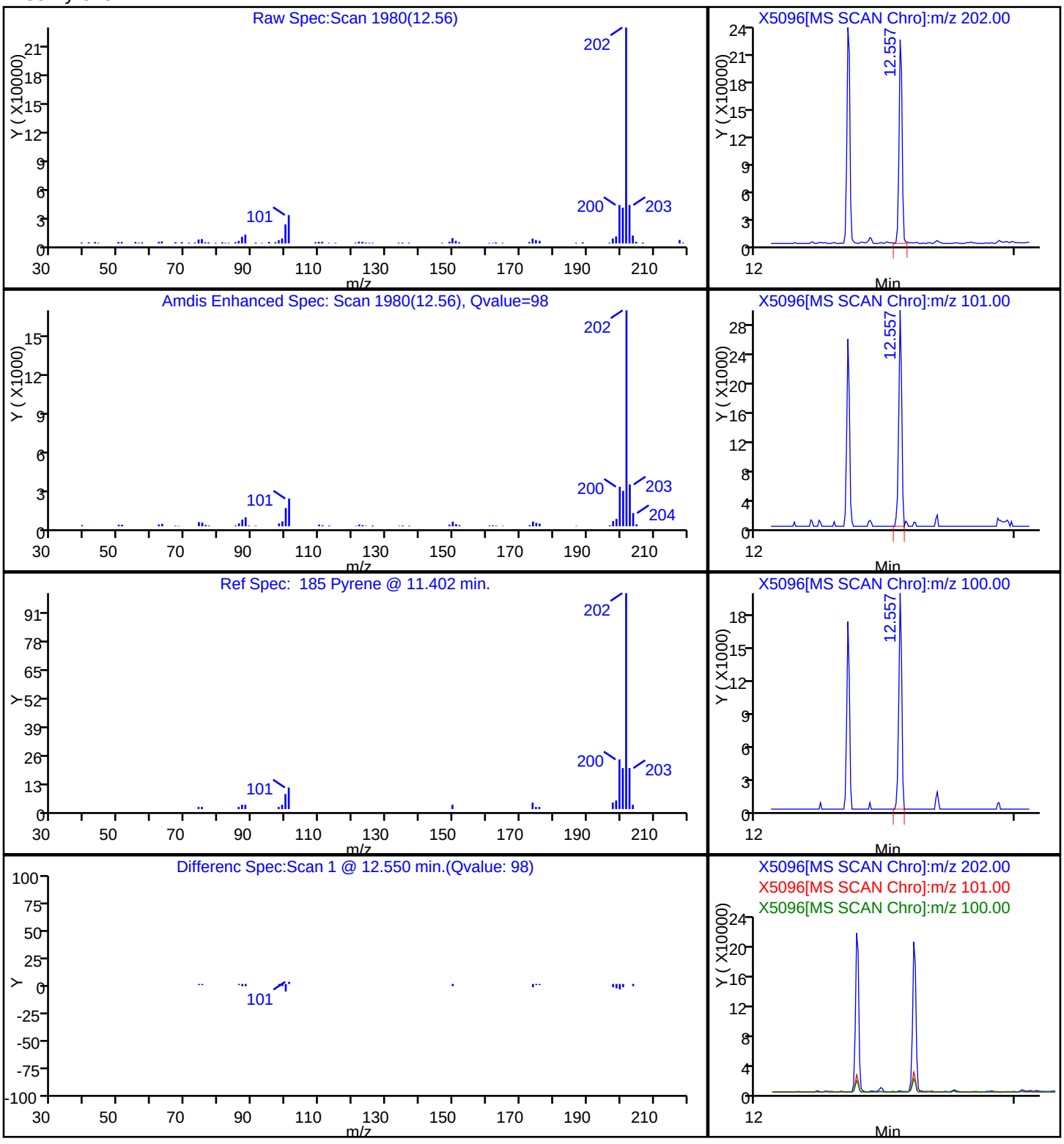


Report Date: 10-Apr-2012 10:47:59 Chrom Revision: 2.0 20-Feb-2012 13:27:02

Data File: \\Bufchrom\ChromData\HP5973X\20120409-10842.b\X5096.D

Injection Date:	09-Apr-2012 19:51:30	Limit Group:	MB - 8270C ICAL
Client ID:	RB-06 (0-6")	Instrument ID:	HP5973X
Lims Batch ID:	58786	Lims Sample ID:	9
Operator ID:	RMM	Injection Vol:	1.00 ul
Column Type:	RXI-5Sil MS	Column Dia:	0.25 mm

185 Pyrene



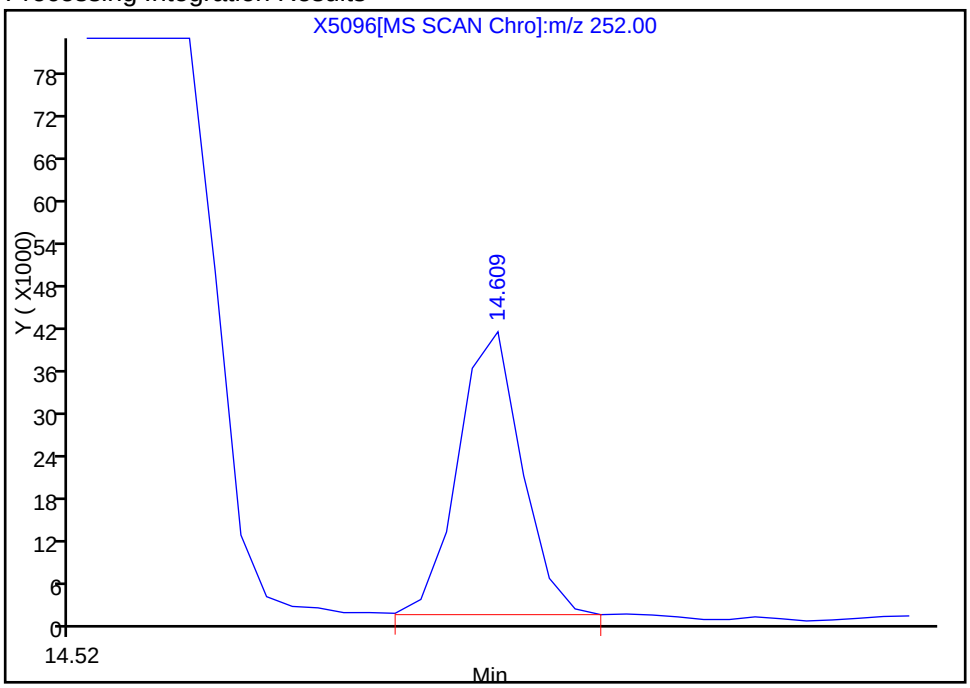
Manual Integration/User Assign Peak Report

Data File:	\\Bufchrom\ChromData\HP5973X\20120409-10842.b\X5096.D		
Injection Date:	09-Apr-2012 19:51:30	Limit Group:	MB - 8270C ICAL
Client ID:	RB-06 (0-6")	Instrument ID:	HP5973X
Lims Batch ID:	58786	Lims Sample ID:	9
Operator ID:	RMM	Injection Vol:	1.00 ul
Column Type:	RXI-5Sil MS	Column Dia:	0.25 mm

204 Benzo[k]fluoranthene, Signal: 1, m/z: 252.0 Type: quant, RT: 14.55

Processing Integration Results

RT: 14.61
Response: 36429
Amount: 2.659242



Manual Integration Results

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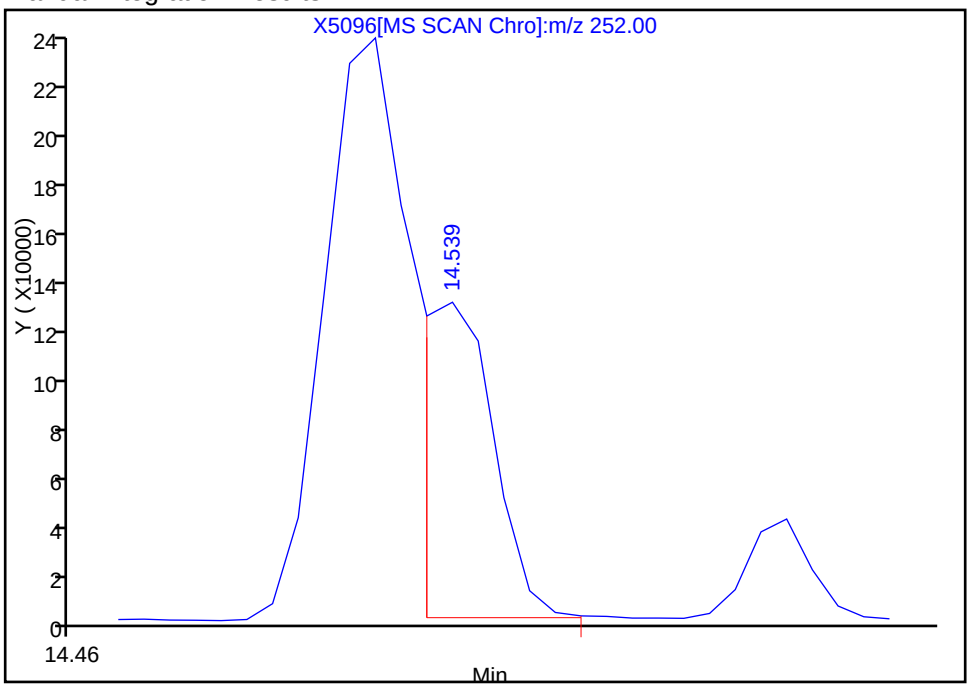
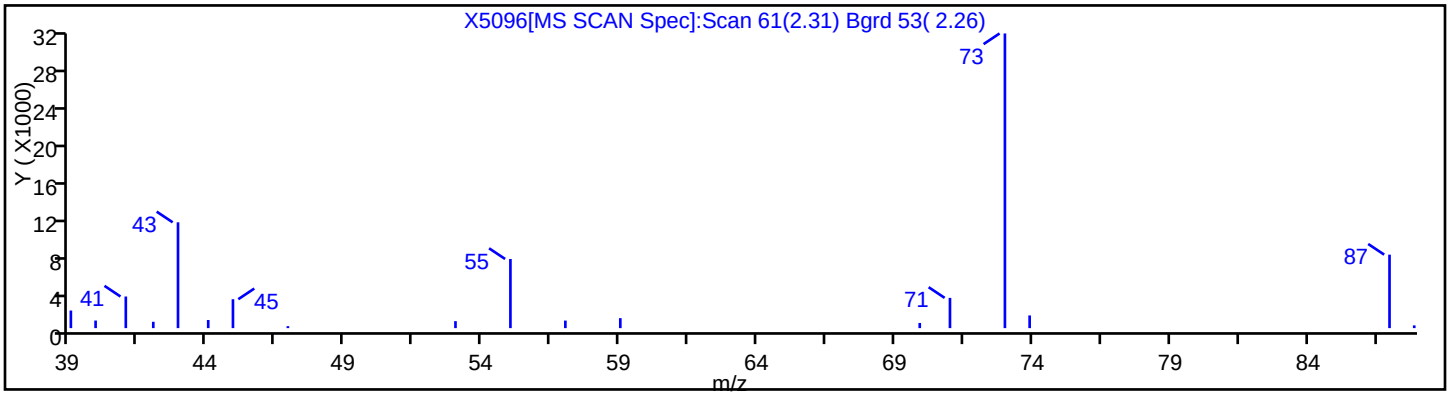


Reviewer: mckernar, 10-Apr-2012 10:47:58
Audit Action: Manually Integrated
Audit Reason: Assign Peak

Report Date: 10-Apr-2012 10:47:59 Chrom Revision: 2.0 20-Feb-2012 13:27:02

Data File:	\\Bufchrom\ChromData\HP5973X\20120409-10842.b\X5096.D		
Injection Date:	09-Apr-2012 19:51:30	Limit Group:	MB - 8270C ICAL
Client ID:	RB-06 (0-6")	Instrument ID:	HP5973X
Lims Batch ID:	58786	Lims Sample ID:	9
Operator ID:	RMM	Injection Vol:	1.00 ul
Column Type:	RXI-5Sil MS	Column Dia:	0.25 mm

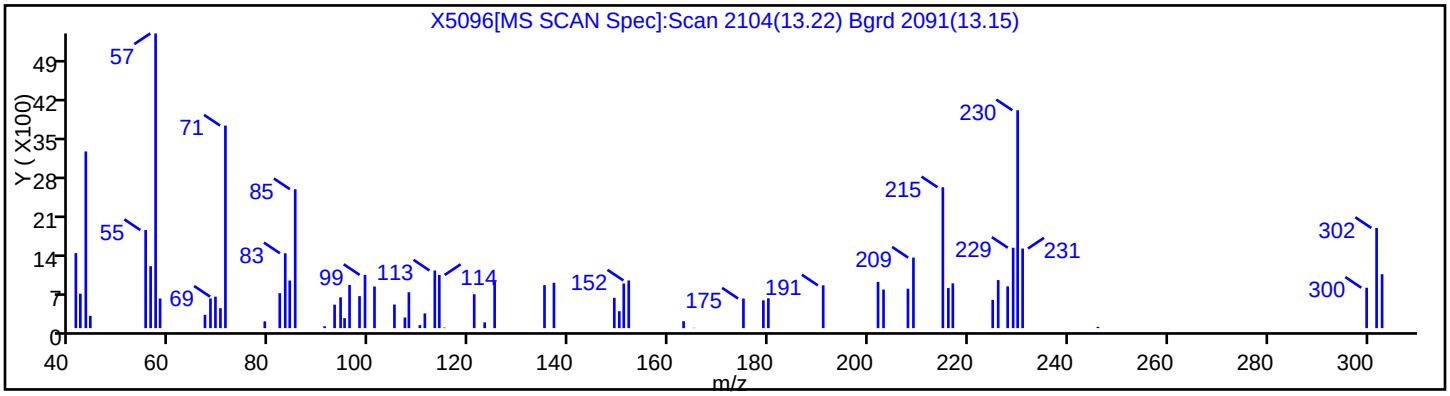
No Library Matches Found above the Threshold: 85



Report Date: 10-Apr-2012 10:47:59 Chrom Revision: 2.0 20-Feb-2012 13:27:02

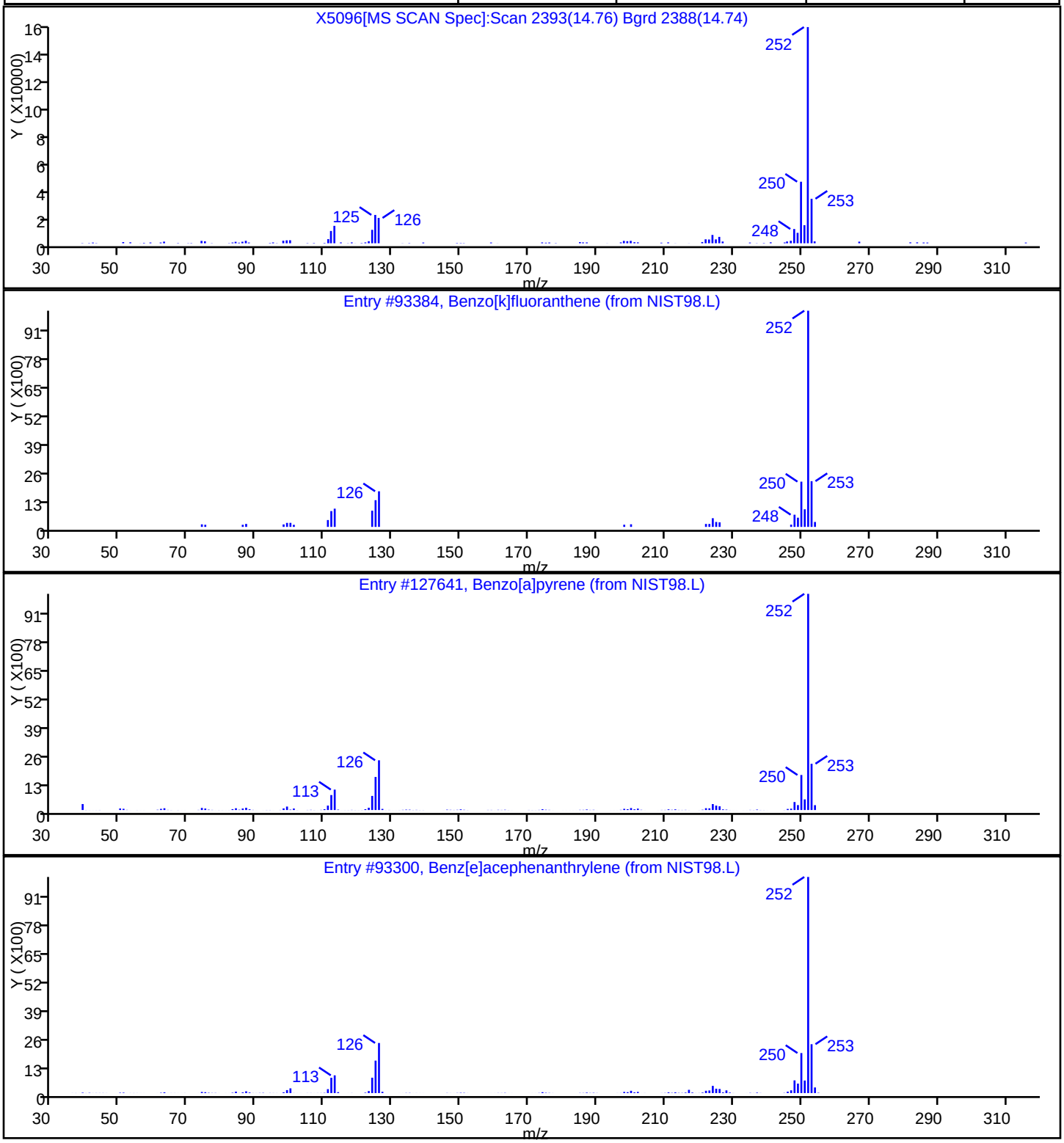
Data File:	\\Bufchrom\ChromData\HP5973X\20120409-10842.b\X5096.D		
Injection Date:	09-Apr-2012 19:51:30	Limit Group:	MB - 8270C ICAL
Client ID:	RB-06 (0-6")	Instrument ID:	HP5973X
Lims Batch ID:	58786	Lims Sample ID:	9
Operator ID:	RMM	Injection Vol:	1.00 ul
Column Type:	RXI-5Sil MS	Column Dia:	0.25 mm

No Library Matches Found above the Threshold: 85



Report Date: 10-Apr-2012 10:47:59 Chrom Revision: 2.0 20-Feb-2012 13:27:02
Data File: \\Bufchrom\ChromData\HP5973X\20120409-10842.b\X5096.D
Injection Date: 09-Apr-2012 19:51:30 Limit Group: MB - 8270C ICAL
Client ID: RB-06 (0-6") Instrument ID: HP5973X
Lims Batch ID: 58786 Lims Sample ID: 9
Operator ID: RMM Injection Vol: 1.00 ul
Column Type: RXI-5Sil MS Column Dia: 0.25 mm

Library Search Compound Match	CAS Number	Library	Entry	Quality
Benzo[k]fluoranthene	207-8-9	NIST98.L	93384	93
Benzo[a]pyrene	50-32-8	NIST98.L	127641	93
Benz[e]acephenanthrylene	205-99-2	NIST98.L	93300	93



FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Buffalo | Job No.: 480-18068-1

SDG No.:

Client Sample ID: RB-06 (6"-12" | Lab Sample ID: 480-18068-11

Matrix: Solid | Lab File ID: X5097.D

Analysis Method: 8270C | Date Collected: 04/02/2012 16:25

Extract. Method: 3550B | Date Extracted: 04/05/2012 10:44

Sample wt/vol: +30.11(g) | Date Analyzed: 04/09/2012 20:15

Con. Extract Vol.: 1(mL) | Dilution Factor: 5

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

% Moisture: 11.5 | GPC Cleanup:(Y/N) N

Analysis Batch No.: 58786 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
95-95-4	2,4,5-Trichlorophenol	ND		960	210
88-06-2	2,4,6-Trichlorophenol	ND		960	63
120-83-2	2,4-Dichlorophenol	ND		960	50
105-67-9	2,4-Dimethylphenol	ND		960	260
51-28-5	2,4-Dinitrophenol	ND		1900	330
121-14-2	2,4-Dinitrotoluene	ND		960	150
606-20-2	2,6-Dinitrotoluene	ND		960	230
91-58-7	2-Chloronaphthalene	ND		960	64
95-57-8	2-Chlorophenol	ND		960	48
91-57-6	2-Methylnaphthalene	110	J	960	12
95-48-7	2-Methylphenol	ND		960	29
88-74-4	2-Nitroaniline	ND		1900	300
88-75-5	2-Nitrophenol	ND		960	43
91-94-1	3,3'-Dichlorobenzidine	ND		960	830
99-09-2	3-Nitroaniline	ND		1900	220
534-52-1	4,6-Dinitro-2-methylphenol	ND		1900	330
101-55-3	4-Bromophenyl phenyl ether	ND		960	300
59-50-7	4-Chloro-3-methylphenol	ND		960	39
106-47-8	4-Chloroaniline	ND		960	280
7005-72-3	4-Chlorophenyl phenyl ether	ND		960	20
106-44-5	4-Methylphenol	ND		1900	53
100-01-6	4-Nitroaniline	ND		1900	110
100-02-7	4-Nitrophenol	ND	*	1900	230
83-32-9	Acenaphthene	79	J	960	11
208-96-8	Acenaphthylene	150	J	960	7.8
98-86-2	Acetophenone	ND		960	49
120-12-7	Anthracene	290	J	960	24
1912-24-9	Atrazine	ND	*	960	42
100-52-7	Benzaldehyde	ND		960	100
56-55-3	Benzo(a)anthracene	1800		960	16
50-32-8	Benzo(a)pyrene	2400		960	23
205-99-2	Benzo(b)fluoranthene	3600		960	18
191-24-2	Benzo(g,h,i)perylene	2000		960	11
207-08-9	Benzo(k)fluoranthene	1100		960	10

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Buffalo | Job No.: 480-18068-1

SDG No.:

Client Sample ID: RB-06 (6"-12" | Lab Sample ID: 480-18068-11

Matrix: Solid | Lab File ID: X5097.D

Analysis Method: 8270C | Date Collected: 04/02/2012 16:25

Extract. Method: 3550B | Date Extracted: 04/05/2012 10:44

Sample wt/vol: +30.11(g) | Date Analyzed: 04/09/2012 20:15

Con. Extract Vol.: 1(mL) | Dilution Factor: 5

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

% Moisture: 11.5 | GPC Cleanup:(Y/N) N

Analysis Batch No.: 58786 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
92-52-4	Biphenyl	ND		960	59
108-60-1	bis (2-chloroisopropyl) ether	ND		960	99
111-91-1	Bis(2-chloroethoxy)methane	ND		960	52
111-44-4	Bis(2-chloroethyl)ether	ND		960	82
117-81-7	Bis(2-ethylhexyl) phthalate	ND		960	310
85-68-7	Butyl benzyl phthalate	ND		960	260
105-60-2	Caprolactam	ND		960	410
86-74-8	Carbazole	140	J	960	11
218-01-9	Chrysene	2100		960	9.5
53-70-3	Dibenz(a,h)anthracene	680	J	960	11
132-64-9	Dibenzofuran	74	J	960	9.9
84-66-2	Diethyl phthalate	ND		960	29
131-11-3	Dimethyl phthalate	ND		960	25
84-74-2	Di-n-butyl phthalate	ND		960	330
117-84-0	Di-n-octyl phthalate	ND		960	22
206-44-0	Fluoranthene	2400		960	14
86-73-7	Fluorene	73	J	960	22
118-74-1	Hexachlorobenzene	ND		960	47
87-68-3	Hexachlorobutadiene	ND		960	49
77-47-4	Hexachlorocyclopentadiene	ND		960	290
67-72-1	Hexachloroethane	ND		960	74
193-39-5	Indeno(1,2,3-cd)pyrene	1800		960	26
78-59-1	Isophorone	ND		960	48
91-20-3	Naphthalene	77	J	960	16
98-95-3	Nitrobenzene	ND		960	42
621-64-7	N-Nitrosodi-n-propylamine	ND		960	75
86-30-6	N-Nitrosodiphenylamine	ND		960	52
87-86-5	Pentachlorophenol	ND		1900	330
85-01-8	Phenanthrene	1300		960	20
108-95-2	Phenol	ND		960	100
129-00-0	Pyrene	2300		960	6.2

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Buffalo | Job No.: 480-18068-1

SDG No.:

Client Sample ID: RB-06 (6"-12" | Lab Sample ID: 480-18068-11

Matrix: Solid | Lab File ID: X5097.D

Analysis Method: 8270C | Date Collected: 04/02/2012 16:25

Extract. Method: 3550B | Date Extracted: 04/05/2012 10:44

Sample wt/vol: +30.11(g) | Date Analyzed: 04/09/2012 20:15

Con. Extract Vol.: 1(mL) | Dilution Factor: 5

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

% Moisture: 11.5 | GPC Cleanup:(Y/N) N

Analysis Batch No.: 58786 | Units: ug/Kg

CAS NO.	SURROGATE	%REC	Q	LIMITS
118-79-6	2,4,6-Tribromophenol	90		39-146
321-60-8	2-Fluorobiphenyl	92		37-120
367-12-4	2-Fluorophenol	73		18-120
4165-60-0	Nitrobenzene-d5	84		34-132
4165-62-2	Phenol-d5	85		11-120
1718-51-0	p-Terphenyl-d14	103		65-153

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

Lab Name: TestAmerica Buffalo | Job No.: 480-18068-1

SDG No.:

Client Sample ID: RB-06 (6"-12" | Lab Sample ID: 480-18068-11

Matrix: Solid | Lab File ID: X5097.D

Analysis Method: 8270C | Date Collected: 04/02/2012 16:25

Extract. Method: 3550B | Date Extracted: 04/05/2012 10:44

Sample wt/vol: +30.11(g) | Date Analyzed: 04/09/2012 20:15

Con. Extract Vol.: 1(mL) | Dilution Factor: 5

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

% Moisture: 11.5 | GPC Cleanup:(Y/N) N

Analysis Batch No.: 58786 | Units: ug/Kg

Number TICs Found: 2 | TIC Result Total: 5000

CAS NO.	COMPOUND NAME	RT	RESULT	Q
	Unknown	2.32	3200	T J
192-97-2	Benzo[e]pyrene	14.76	1800	T J N

TestAmerica Laboratories
Target Compound Quantitation Report

Data File:	\\Bufchrom\ChromData\HP5973X\20120409-10842.b\X5097.D		
Lims ID:	480-18068-B-11-B	Client ID:	RB-06 (6"-12"
Inject. Date:	09-Apr-2012 20:15:30	Dil. Factor:	5.0000
Sample Type:	Client		
Sample ID:	480-0010842-010		
Misc. Info.:			
Operator:	RMM	Instrument ID:	HP5973X
Vol. Injected:	1.0000	ALS Bottle#:	10
Lims Batch ID:	58786	Lims Sample ID:	10
Detector:	MS SCAN		
Method:	\\Bufchrom\ChromData\HP5973X\20120409-10842.b\X-8270.m		
Last Update:	10-Apr-2012 10:49:35	Calib Date:	09-Apr-2012 15:39:30
Quant Method:	Internal Standard	Quant By:	Initial Calibration
Last ICal File:	\\Bufchrom\ChromData\HP5973X\20120409-10830.b\X5085.D		
Limit Group:	MB - 8270C ICAL		
Integrator:	RTE	ID Type:	Deconvolution ID
Process Host:	CORP-CTX-19		
First Level Reviewer: mckernar		Date:	10-Apr-2012 10:49:35

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ng/uL	Flags
* 1 1,4-Dichlorobenzene-d4	152	6.024	6.040	-0.016	98	131188	40.0	
* 2 Naphthalene-d8	136	7.530	7.536	-0.006	93	469130	40.0	
* 3 Acenaphthene-d10	164	9.598	9.603	-0.005	54	267839	40.0	
* 4 Phenanthrene-d10	188	11.211	11.211	0.0	100	464761	40.0	
* 5 Chrysene-d12	240	13.620	13.620	0.0	100	433129	40.0	
* 6 Perylene-d12	264	14.865	14.865	0.0	99	523269	40.0	
$ 7 2-Fluorophenol	112	4.464	4.475	-0.011	95	114377	22.0	
$ 8 Phenol-d5	99	5.586	5.602	-0.016	77	157687	25.6	
$ 9 Nitrobenzene-d5	82	6.681	6.697	-0.016	95	88851	16.7	
$ 10 2-Fluorobiphenyl	172	8.812	8.823	-0.011	99	159324	18.4	
$ 11 2,4,6-Tribromophenol	330	10.490	10.501	-0.011	80	25938	27.0	
$ 12 p-Terphenyl-d14	244	12.702	12.707	-0.005	96	188769	20.6	
62 Benzaldehyde	77		5.532					
63 Phenol	94		5.618					
66 Bis(2-chloroethyl)ether	93		5.735					
67 2-Chlorophenol	128		5.789					
73 2-Methylphenol	108		6.339					
74 2,2'-oxybis[1-chloropropane]	45		6.376					
76 Acetophenone	105		6.515					
79 4-Methylphenol	108		6.526					
78 N-Nitrosodi-n-propylamine	70		6.531					
81 Hexachloroethane	117		6.633					
83 Nitrobenzene	77		6.724					
86 Isophorone	82		7.012					
87 2-Nitrophenol	139		7.098					
89 2,4-Dimethylphenol	107		7.162					
94 Bis(2-chloroethoxy)methane	93		7.279					
97 2,4-Dichlorophenol	162		7.381					
99 Naphthalene	128	7.552	7.573	-0.021	1	4708	0.4095	
101 4-Chloroaniline	127		7.648					
104 Hexachlorobutadiene	225		7.723					

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ng/uL	Flags
105 Caprolactam	113		8.038					
110 4-Chloro-3-methylphenol	107		8.214					
113 2-Methylnaphthalene	142	8.369	8.385	-0.016	21	4112	0.5795	
116 Hexachlorocyclopentadiene	237		8.567					
118 2,4,6-Trichlorophenol	196		8.716					
119 2,4,5-Trichlorophenol	196		8.754					
123 1,1'-Biphenyl	154		8.930					
124 2-Chloronaphthalene	162		8.951					
125 2-Nitroaniline	65		9.090					
128 Dimethyl phthalate	163		9.320					
130 2,6-Dinitrotoluene	165		9.384					
131 Acenaphthylene	152	9.432	9.443	-0.011	55	9184	0.7839	
132 3-Nitroaniline	138		9.582					
133 Acenaphthene	153	9.635	9.646	-0.011	37	2974	0.4193	
134 2,4-Dinitrophenol	184		9.699					
135 4-Nitrophenol	109		9.785					
138 Dibenzofuran	168	9.838	9.849	-0.011	13	4045	0.3941	
137 2,4-Dinitrotoluene	165		9.854					
142 Diethyl phthalate	149		10.143					
144 Fluorene	166	10.228	10.239	-0.011	56	3303	0.3912	
145 4-Chlorophenyl phenyl ether	204		10.250					
147 4-Nitroaniline	138		10.282					
148 4,6-Dinitro-2-methylphenol	198		10.308					
149 N-Nitrosodiphenylamine	169		10.383					
159 4-Bromophenyl phenyl ether	248		10.773					
160 Hexachlorobenzene	284		10.821					
163 Atrazine	200		10.955					
165 Pentachlorophenol	266		11.030					
171 Phenanthrene	178	11.232	11.238	-0.006	98	76057	6.72	
172 Anthracene	178	11.281	11.291	-0.010	81	17776	1.56	
173 Carbazole	167	11.446	11.457	-0.011	61	8407	0.7568	
176 Di-n-butyl phthalate	149		11.804					
182 Fluoranthene	202	12.354	12.360	-0.006	98	175165	13.0	
185 Pyrene	202	12.557	12.568	-0.011	98	169781	12.4	
192 Butyl benzyl phthalate	149		13.134					
196 3,3'-Dichlorobenzidine	252		13.594					
197 Benzo[a]anthracene	228	13.610	13.615	-0.005	64	120986	9.36	
198 Bis(2-ethylhexyl) phthalate	149		13.626					
199 Chrysene	228	13.636	13.647	-0.011	98	146777	11.3	
201 Di-n-octyl phthalate	149		14.165					
203 Benzo[b]fluoranthene	252	14.518	14.523	-0.005	99	270774	19.4	
204 Benzo[k]fluoranthene	252	14.539	14.550	-0.011	91	88091	5.94	M
206 Benzo[a]pyrene	252	14.812	14.823	-0.011	99	155362	12.6	
208 Indeno[1,2,3-cd]pyrene	276	15.928	15.944	-0.016	90	128723	9.35	
209 Dibenz(a,h)anthracene	278	15.934	15.955	-0.021	51	44432	3.64	
210 Benzo[g,h,i]perylene	276	16.233	16.254	-0.021	99	123589	10.6	

QC Flag Legend

Review Flags
M - Manually Integrated

TestAmerica Laboratories
Tentatively Identified Quantitation Report

Data File:	\\Bufchrom\ChromData\HP5973X\20120409-10842.b\X5097.D		
Lims ID:	480-18068-B-11-B	Client ID:	RB-06 (6"-12"
Inject. Date:	09-Apr-2012 20:15:30	Dil. Factor:	5.0000
Sample Type:	Client		
Sample ID:	480-0010842-010		
Misc. Info.:			
Operator:	RMM	Instrument ID:	HP5973X
Vol. Injected:	1.0000	ALS Bottle#:	10
Lims Batch ID:	58786	Lims Sample ID:	10
Detector:	MS SCAN		
Method:	\\Bufchrom\ChromData\HP5973X\20120409-10842.b\X-8270.m		
Last Update:	10-Apr-2012 10:49:35	Calib Date:	09-Apr-2012 15:39:30
Tic RT Window:	1.500 -0.000	Response:	area
Quant By:	Nearest ISTD	Quant LOD:	10.00000
MS Library:	\\Bufchrom\ChromData\Database\NIST98.L		
Min. Match:	85		
Process Host:	CORP-CTX-19		
First Level Reviewer: mckernar		Date:	10-Apr-2012 10:49:35

Calibrated Tentative Identified Compound Results

Compound	RT	Response	Amount ng/uL	Flags
1-Methylnaphthalene (TIC)	8.487	4120	0.6153	
Anthraquinone	12.002	2716		

Tentative Identified Compound Results

RT	Response	Amount ng/uL	Quant Cpnd	Qual	Lib Entry	Flags
	Unknown					
2.316	367030	16.8	1			
192-97-2	Benzo[e]pyrene					
14.758	372938	9.66	6	94	127650	

Quantitation Compounds

Compound	RT	Response	Amount ng/uL
* 1 1,4-Dichlorobenzene-d4	6.024	873208	40.0
* 6 Perylene-d12	14.865	1544502	40.0

QC Flag Legend

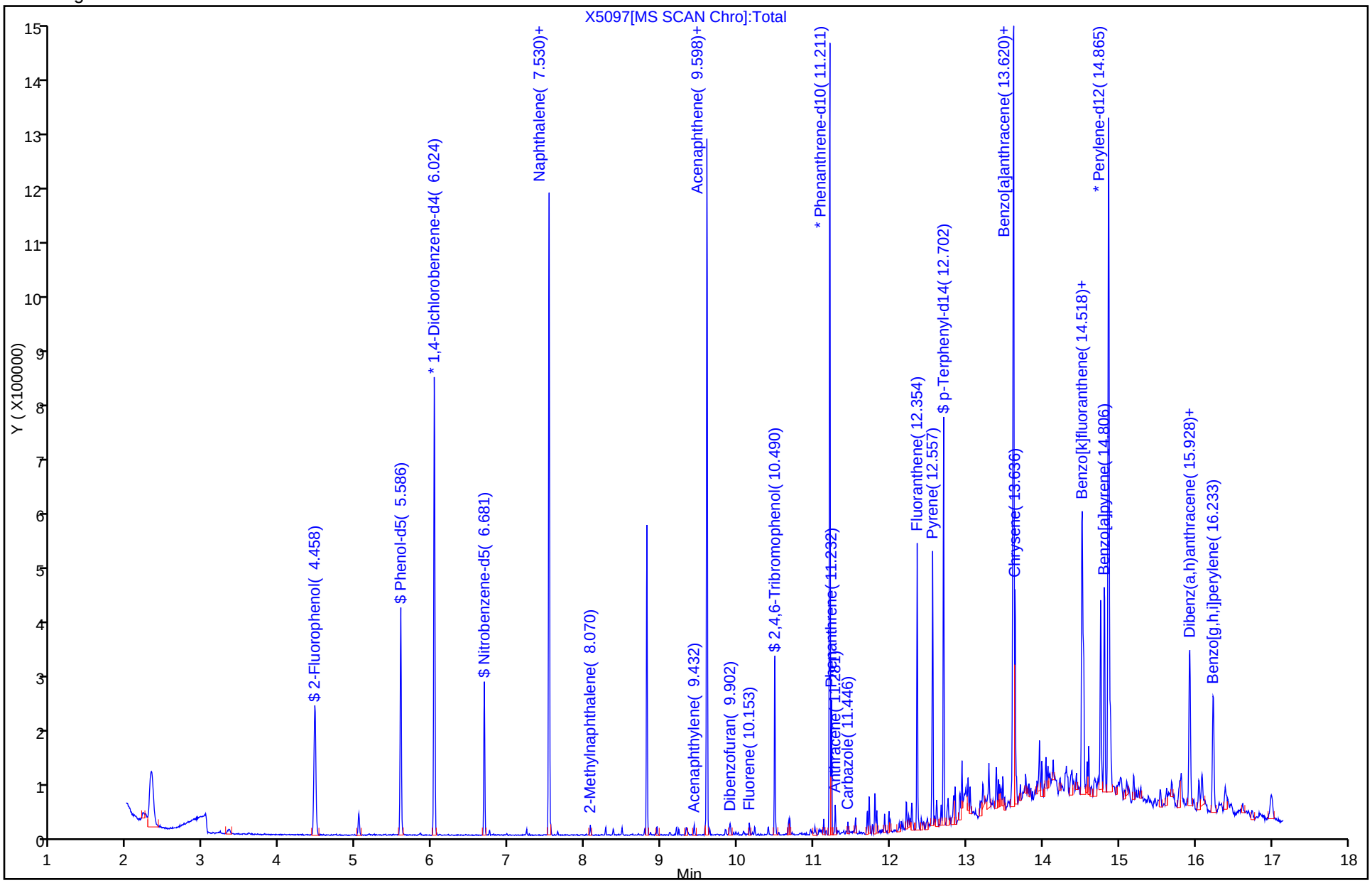
Processing Flags

Report Date: 10-Apr-2012 10:49:35 Chrom Revision: 2.0 20-Feb-2012 13:27:02

Data File: \\Bufchrom\ChromData\HP5973X\20120409-10842.b\X5097.D

Injection Date:	09-Apr-2012 20:15:30	Limit Group:	MB - 8270C ICAL
Client ID:	RB-06 (6"-12"	Instrument ID:	HP5973X
Lims Batch ID:	58786	Lims Sample ID:	10
Operator ID:	RMM	Injection Vol:	1.00 ul
Column Type:	RXI-5Sil MS	Column Dia:	0.25 mm

Y Scaling:

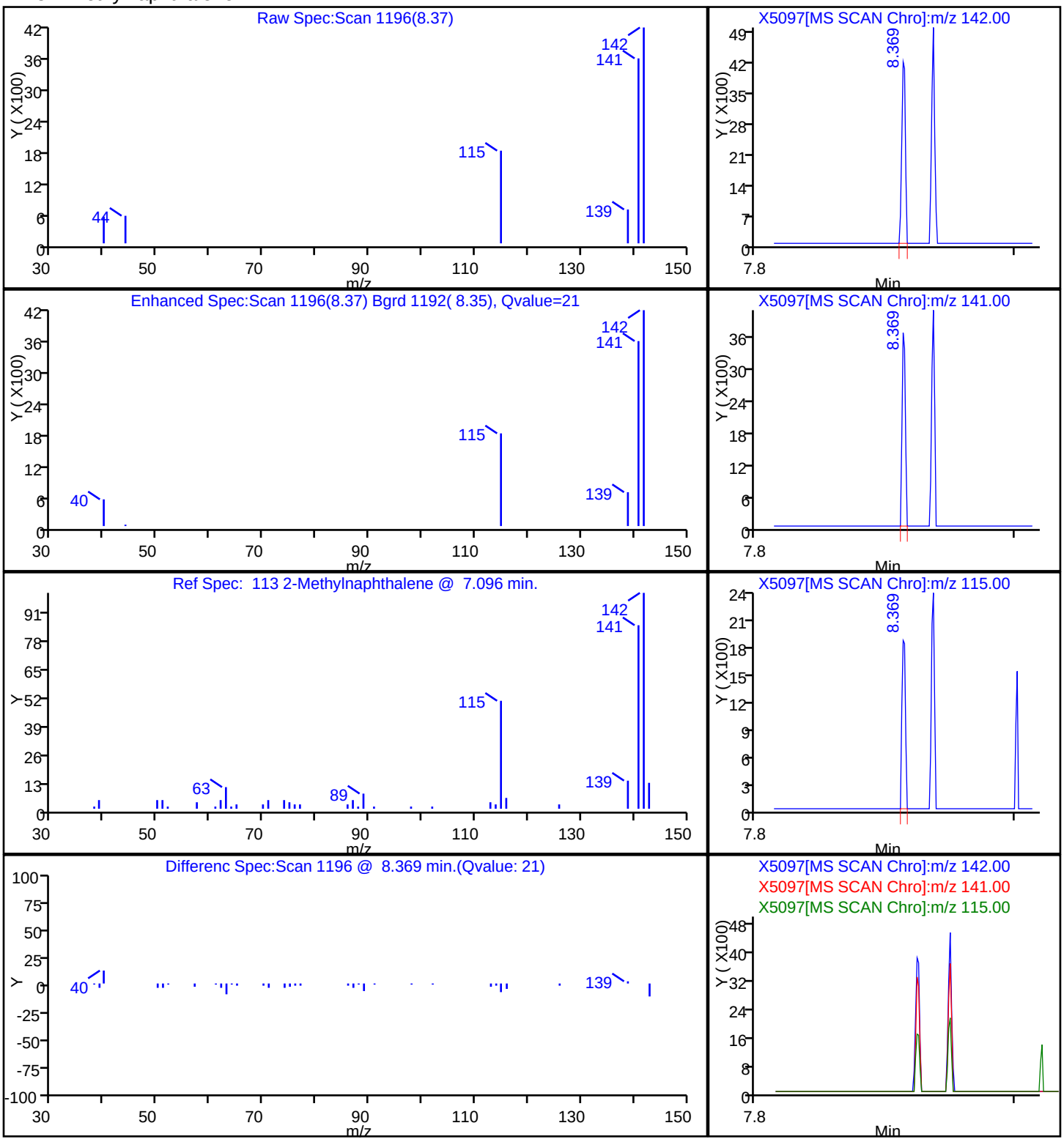


Report Date: 10-Apr-2012 10:49:35 Chrom Revision: 2.0 20-Feb-2012 13:27:02

Data File: \\Bufchrom\ChromData\HP5973X\20120409-10842.b\X5097.D

Injection Date:	09-Apr-2012 20:15:30	Limit Group:	MB - 8270C ICAL
Client ID:	RB-06 (6"-12"	Instrument ID:	HP5973X
Lims Batch ID:	58786	Lims Sample ID:	10
Operator ID:	RMM	Injection Vol:	1.00 ul
Column Type:	RXI-5Sil MS	Column Dia:	0.25 mm

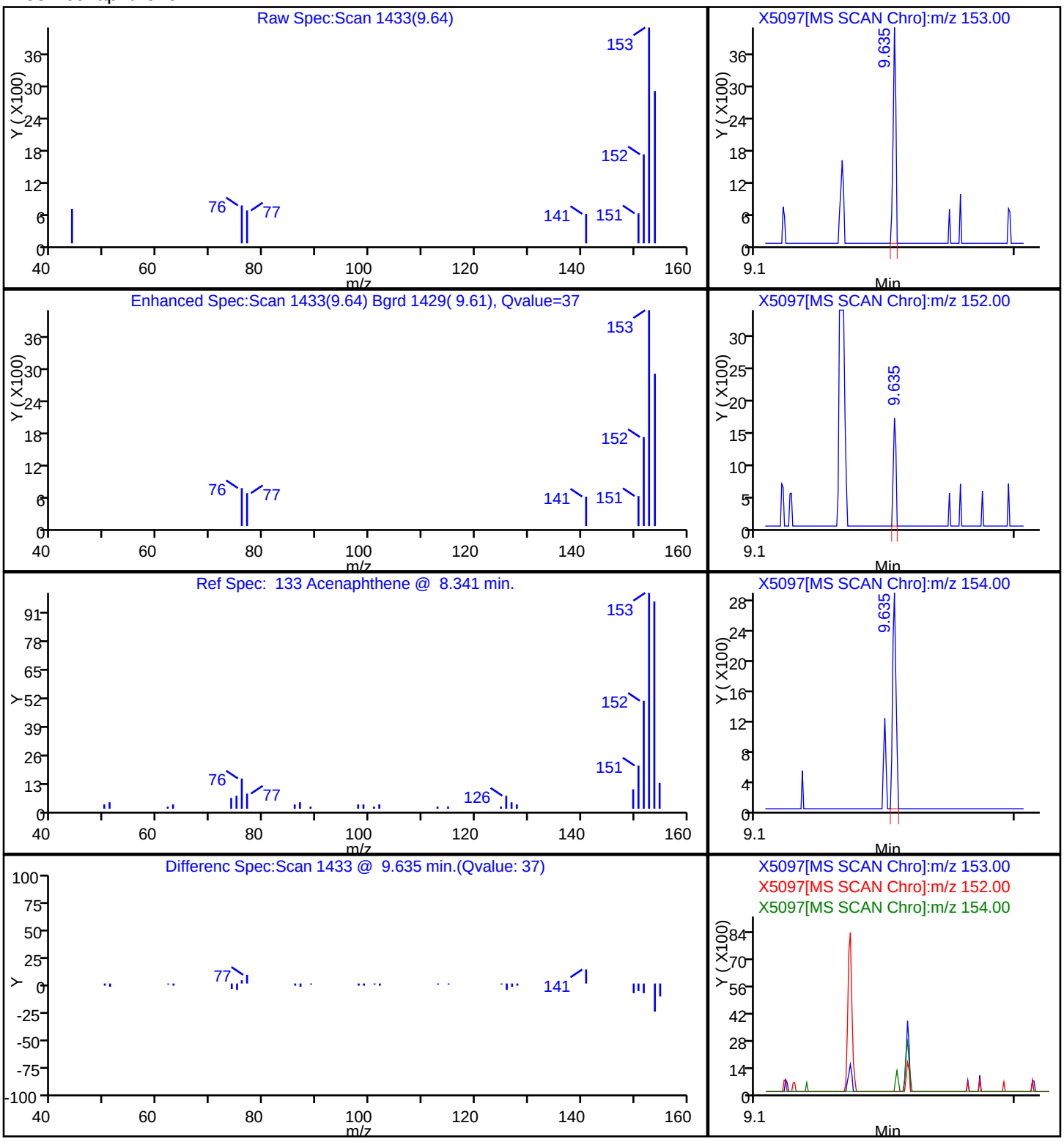
113 2-Methylnaphthalene



Report Date: 10-Apr-2012 10:49:35 Chrom Revision: 2.0 20-Feb-2012 13:27:02

Data File:	\\Bufchrom\ChromData\HP5973X\20120409-10842.b\X5097.D		
Injection Date:	09-Apr-2012 20:15:30	Limit Group:	MB - 8270C ICAL
Client ID:	RB-06 (6"-12"	Instrument ID:	HP5973X
Lims Batch ID:	58786	Lims Sample ID:	10
Operator ID:	RMM	Injection Vol:	1.00 ul
Column Type:	RXI-5Sil MS	Column Dia:	0.25 mm

133 Acenaphthene

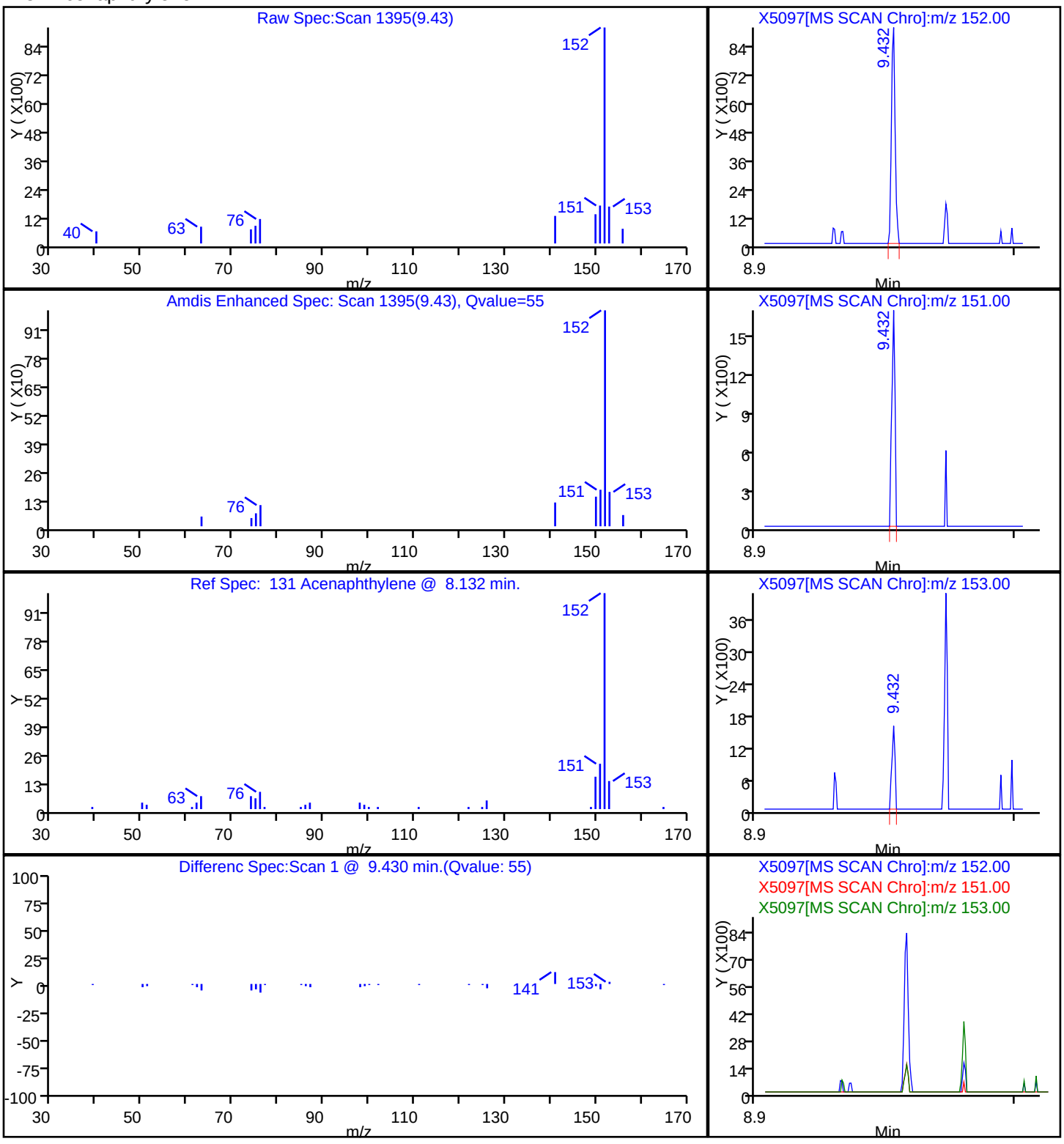


Report Date: 10-Apr-2012 10:49:35 Chrom Revision: 2.0 20-Feb-2012 13:27:02

Data File: \\Bufchrom\ChromData\HP5973X\20120409-10842.b\X5097.D

Injection Date:	09-Apr-2012 20:15:30	Limit Group:	MB - 8270C ICAL
Client ID:	RB-06 (6"-12"	Instrument ID:	HP5973X
Lims Batch ID:	58786	Lims Sample ID:	10
Operator ID:	RMM	Injection Vol:	1.00 ul
Column Type:	RXI-5Sil MS	Column Dia:	0.25 mm

131 Acenaphthylene

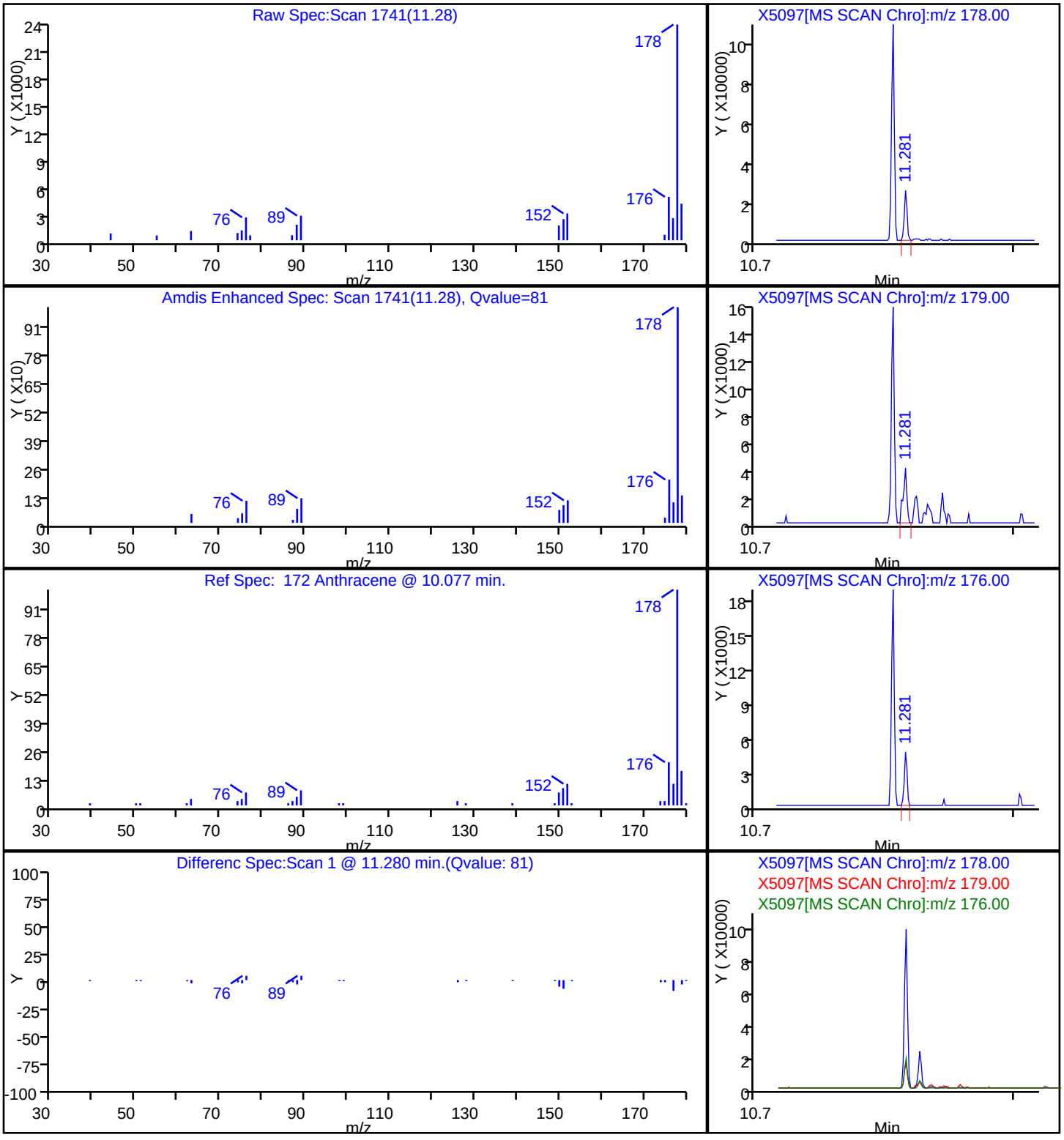


Report Date: 10-Apr-2012 10:49:35 Chrom Revision: 2.0 20-Feb-2012 13:27:02

Data File: \\Bufchrom\ChromData\HP5973X\20120409-10842.b\X5097.D

Injection Date:	09-Apr-2012 20:15:30	Limit Group:	MB - 8270C ICAL
Client ID:	RB-06 (6"-12"	Instrument ID:	HP5973X
Lims Batch ID:	58786	Lims Sample ID:	10
Operator ID:	RMM	Injection Vol:	1.00 ul
Column Type:	RXI-5Sil MS	Column Dia:	0.25 mm

172 Anthracene

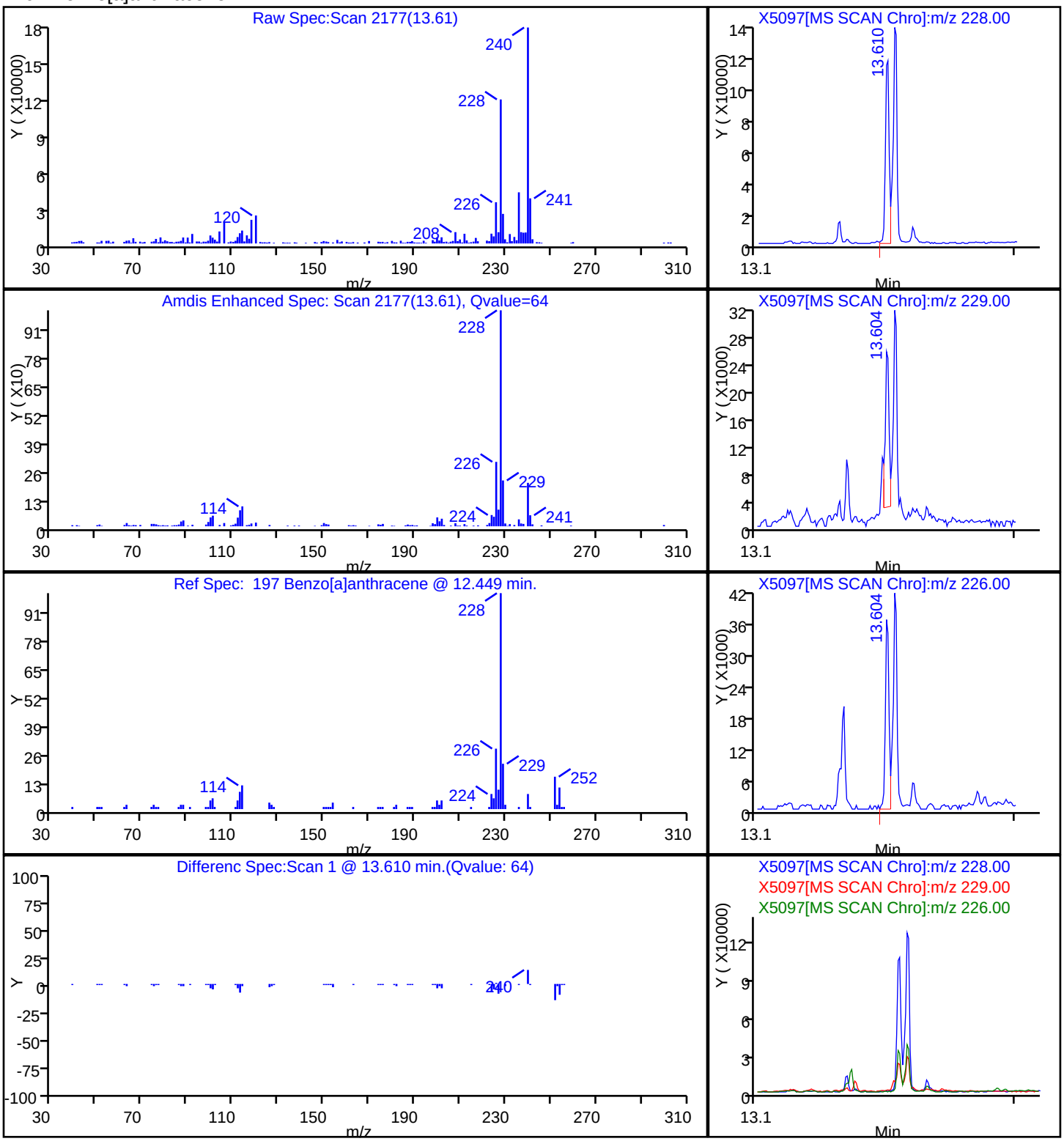


Report Date: 10-Apr-2012 10:49:35 Chrom Revision: 2.0 20-Feb-2012 13:27:02

Data File: \\Bufchrom\ChromData\HP5973X\20120409-10842.b\X5097.D

Injection Date:	09-Apr-2012 20:15:30	Limit Group:	MB - 8270C ICAL
Client ID:	RB-06 (6"-12"	Instrument ID:	HP5973X
Lims Batch ID:	58786	Lims Sample ID:	10
Operator ID:	RMM	Injection Vol:	1.00 ul
Column Type:	RXI-5Sil MS	Column Dia:	0.25 mm

197 Benzo[a]anthracene

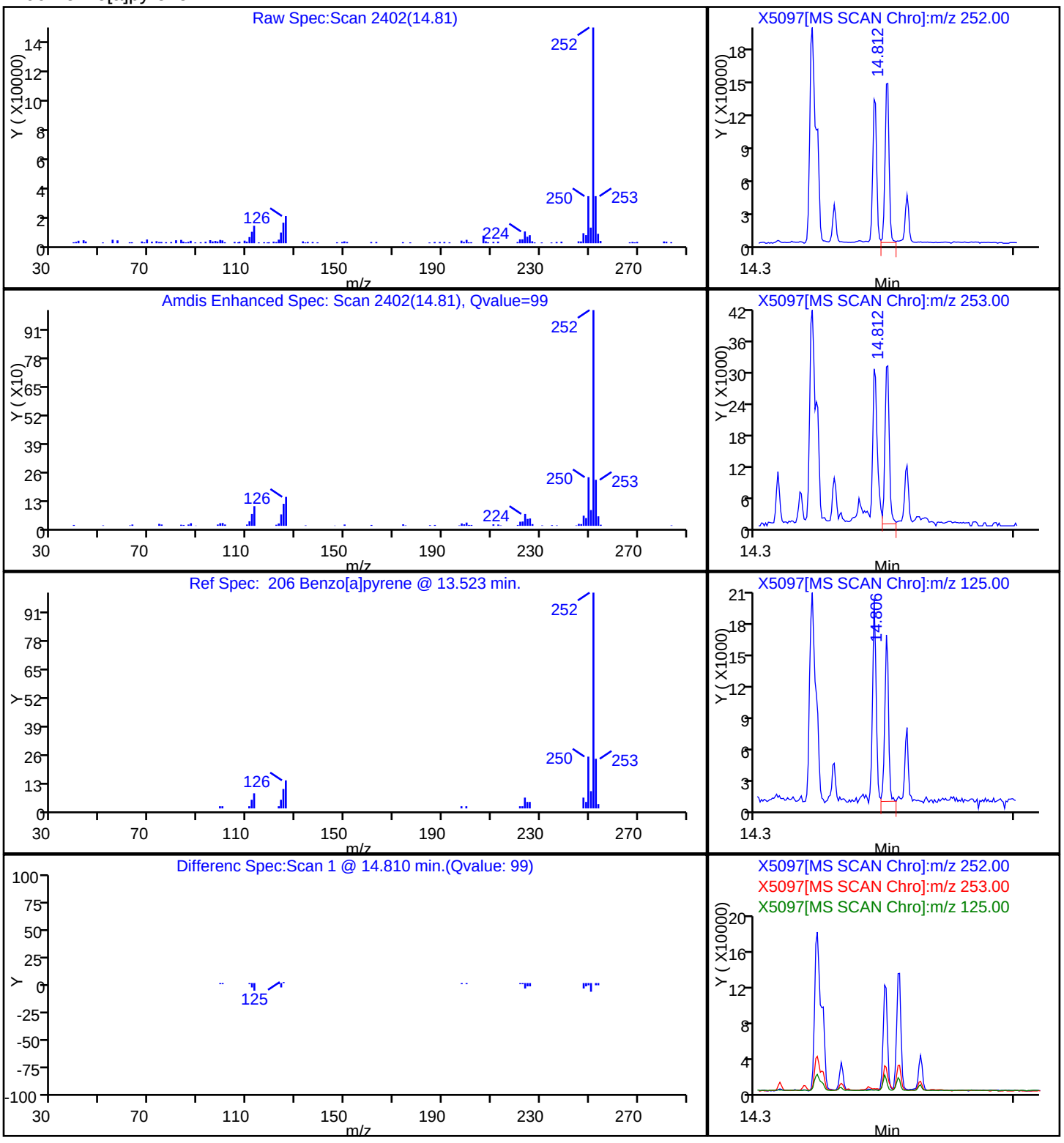


Report Date: 10-Apr-2012 10:49:35 Chrom Revision: 2.0 20-Feb-2012 13:27:02

Data File: \\Bufchrom\ChromData\HP5973X\20120409-10842.b\X5097.D

Injection Date:	09-Apr-2012 20:15:30	Limit Group:	MB - 8270C ICAL
Client ID:	RB-06 (6"-12"	Instrument ID:	HP5973X
Lims Batch ID:	58786	Lims Sample ID:	10
Operator ID:	RMM	Injection Vol:	1.00 ul
Column Type:	RXI-5Sil MS	Column Dia:	0.25 mm

206 Benzo[a]pyrene

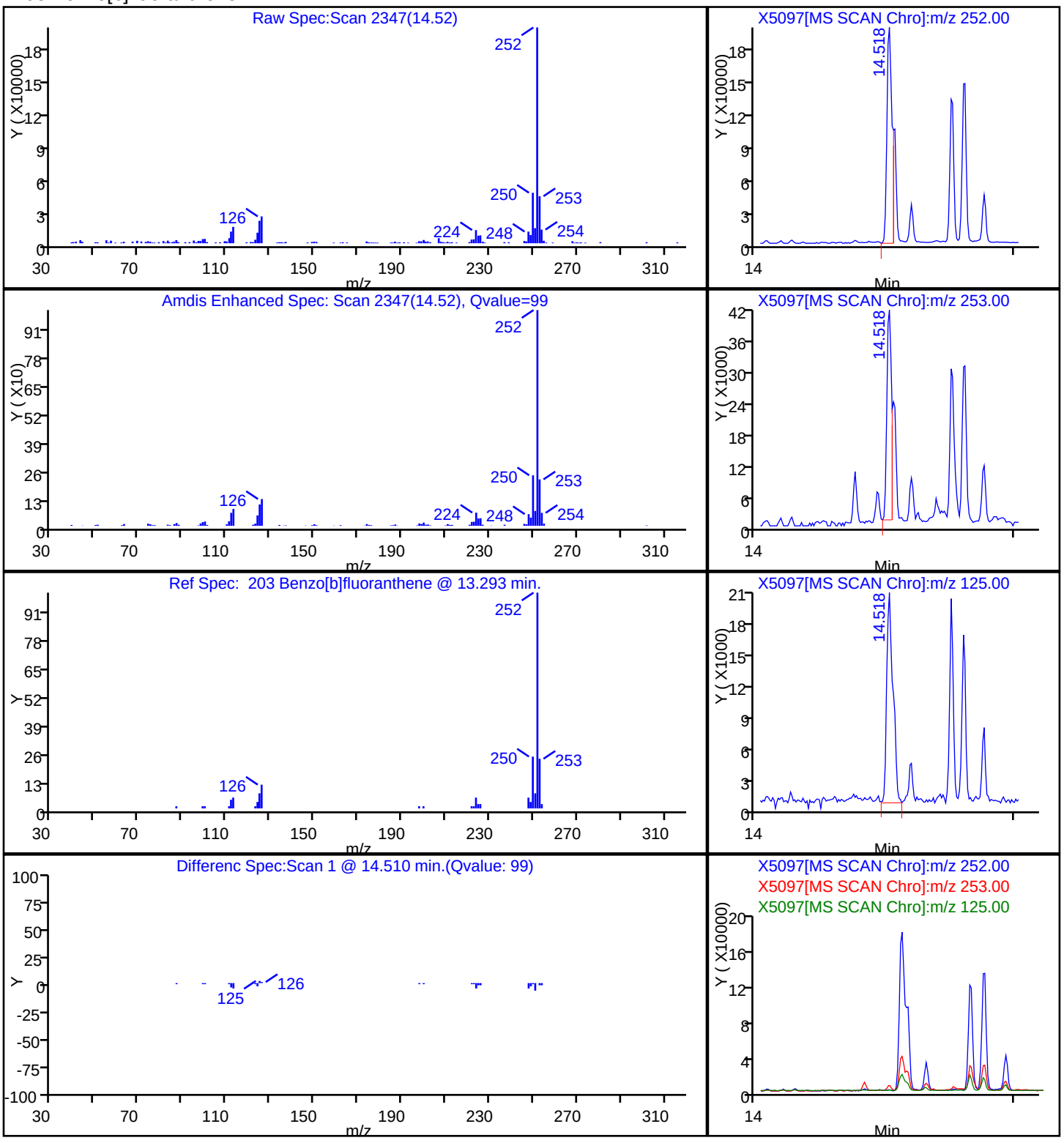


Report Date: 10-Apr-2012 10:49:35 Chrom Revision: 2.0 20-Feb-2012 13:27:02

Data File: \\Bufchrom\ChromData\HP5973X\20120409-10842.b\X5097.D

Injection Date:	09-Apr-2012 20:15:30	Limit Group:	MB - 8270C ICAL
Client ID:	RB-06 (6"-12"	Instrument ID:	HP5973X
Lims Batch ID:	58786	Lims Sample ID:	10
Operator ID:	RMM	Injection Vol:	1.00 ul
Column Type:	RXI-5Sil MS	Column Dia:	0.25 mm

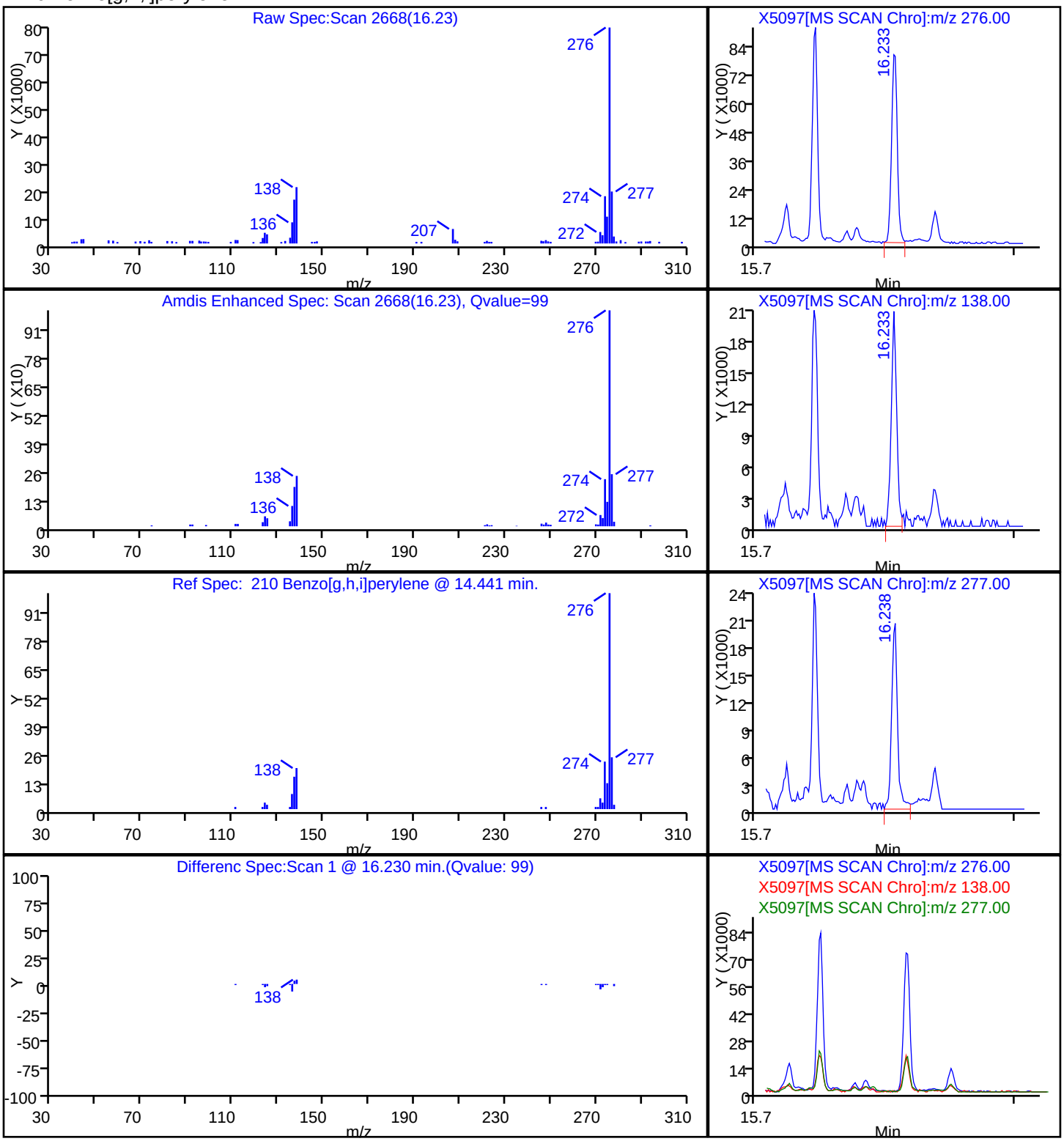
203 Benzo[b]fluoranthene



Report Date: 10-Apr-2012 10:49:35 Chrom Revision: 2.0 20-Feb-2012 13:27:02

Data File:	\\Bufchrom\ChromData\HP5973X\20120409-10842.b\X5097.D		
Injection Date:	09-Apr-2012 20:15:30	Limit Group:	MB - 8270C ICAL
Client ID:	RB-06 (6"-12"	Instrument ID:	HP5973X
Lims Batch ID:	58786	Lims Sample ID:	10
Operator ID:	RMM	Injection Vol:	1.00 ul
Column Type:	RXI-5Sil MS	Column Dia:	0.25 mm

210 Benzo[g,h,i]perylene

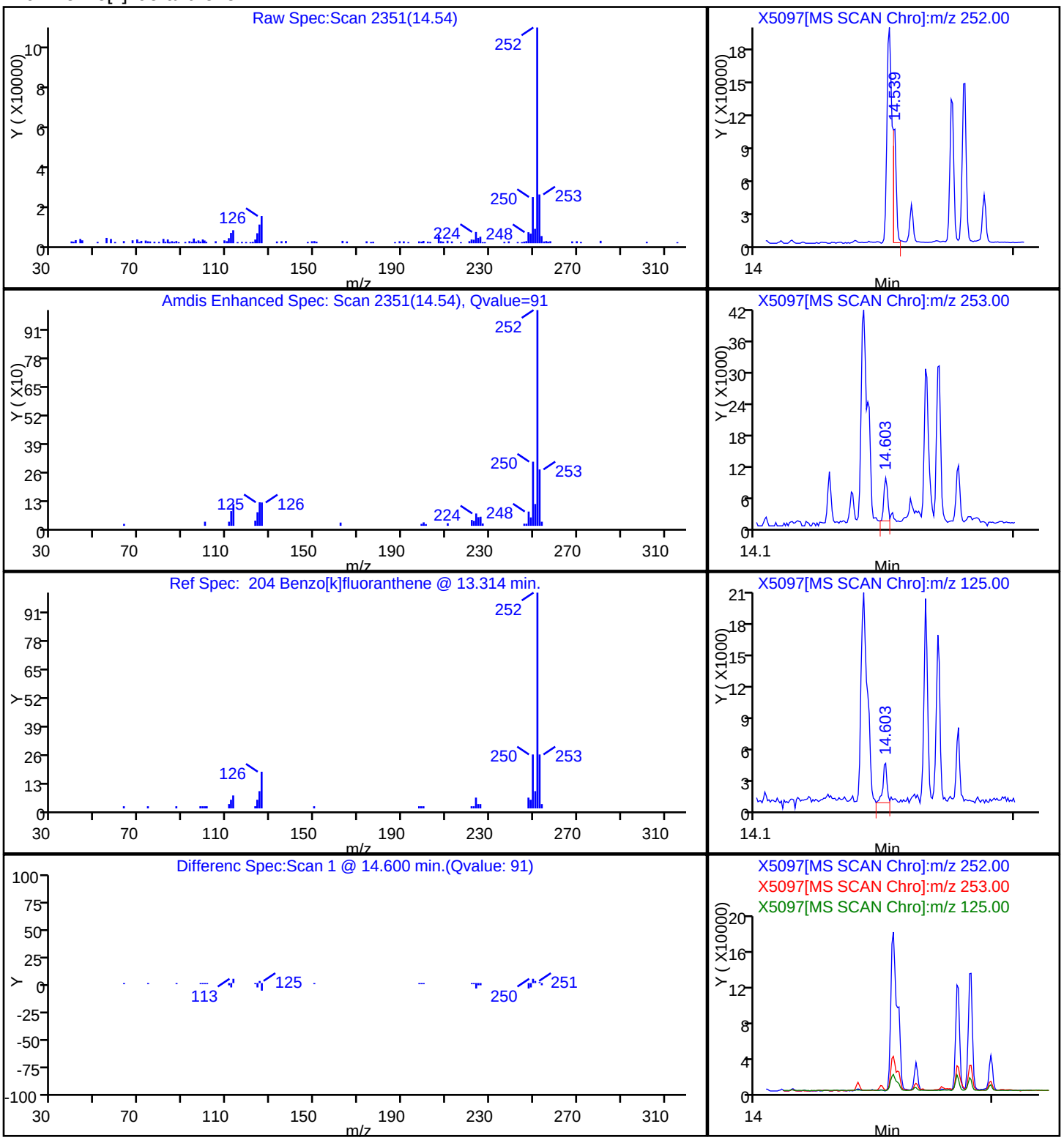


Report Date: 10-Apr-2012 10:49:35 Chrom Revision: 2.0 20-Feb-2012 13:27:02

Data File: \\Bufchrom\ChromData\HP5973X\20120409-10842.b\X5097.D

Injection Date:	09-Apr-2012 20:15:30	Limit Group:	MB - 8270C ICAL
Client ID:	RB-06 (6"-12"	Instrument ID:	HP5973X
Lims Batch ID:	58786	Lims Sample ID:	10
Operator ID:	RMM	Injection Vol:	1.00 ul
Column Type:	RXI-5Sil MS	Column Dia:	0.25 mm

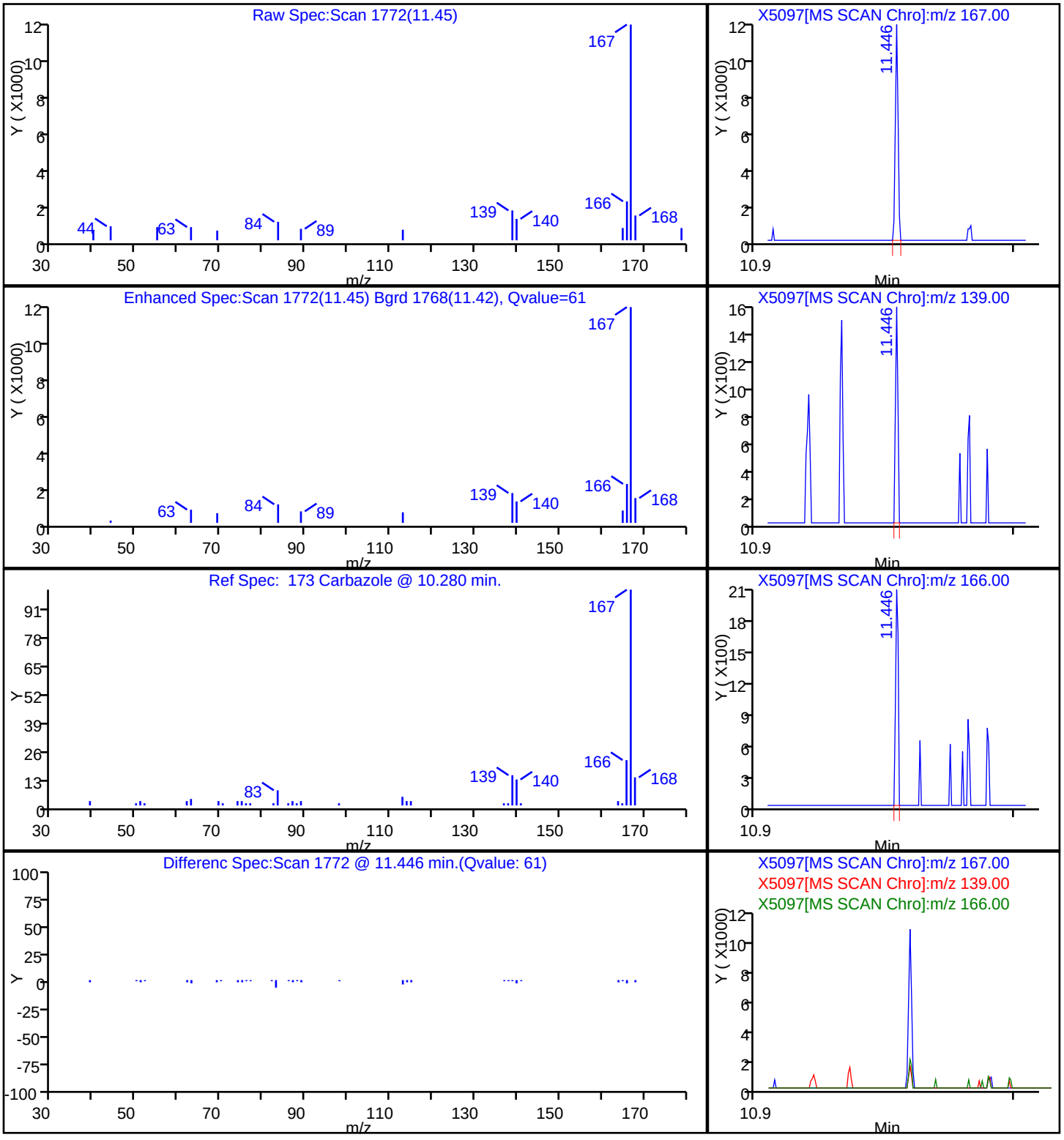
204 Benzo[k]fluoranthene



Report Date: 10-Apr-2012 10:49:35 Chrom Revision: 2.0 20-Feb-2012 13:27:02

Data File:	\\Bufchrom\ChromData\HP5973X\20120409-10842.b\X5097.D		
Injection Date:	09-Apr-2012 20:15:30	Limit Group:	MB - 8270C ICAL
Client ID:	RB-06 (6"-12"	Instrument ID:	HP5973X
Lims Batch ID:	58786	Lims Sample ID:	10
Operator ID:	RMM	Injection Vol:	1.00 ul
Column Type:	RXI-5Sil MS	Column Dia:	0.25 mm

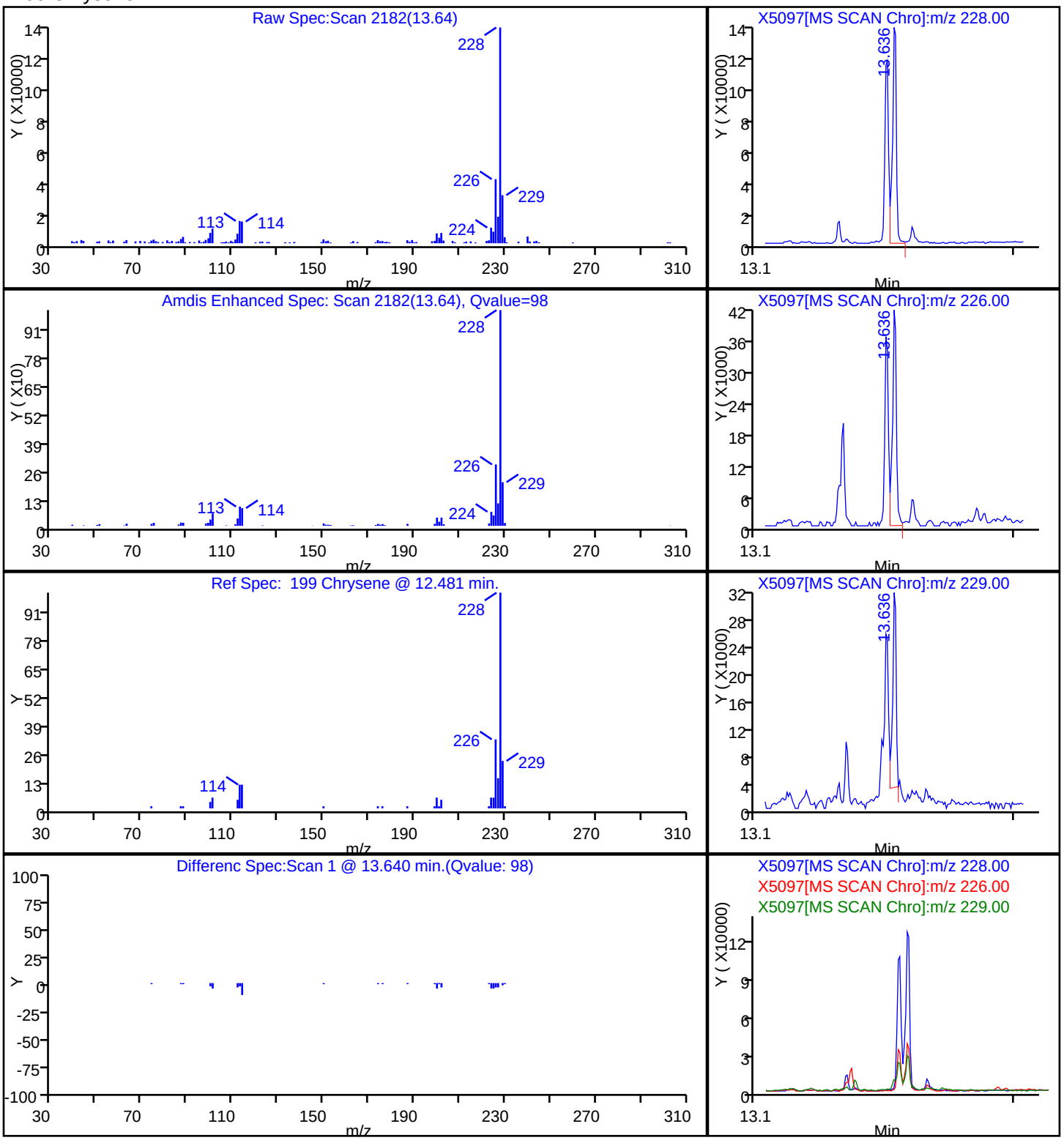
173 Carbazole



Report Date: 10-Apr-2012 10:49:35 Chrom Revision: 2.0 20-Feb-2012 13:27:02

Data File:	\\Bufchrom\ChromData\HP5973X\20120409-10842.b\X5097.D		
Injection Date:	09-Apr-2012 20:15:30	Limit Group:	MB - 8270C ICAL
Client ID:	RB-06 (6"-12"	Instrument ID:	HP5973X
Lims Batch ID:	58786	Lims Sample ID:	10
Operator ID:	RMM	Injection Vol:	1.00 ul
Column Type:	RXI-5Sil MS	Column Dia:	0.25 mm

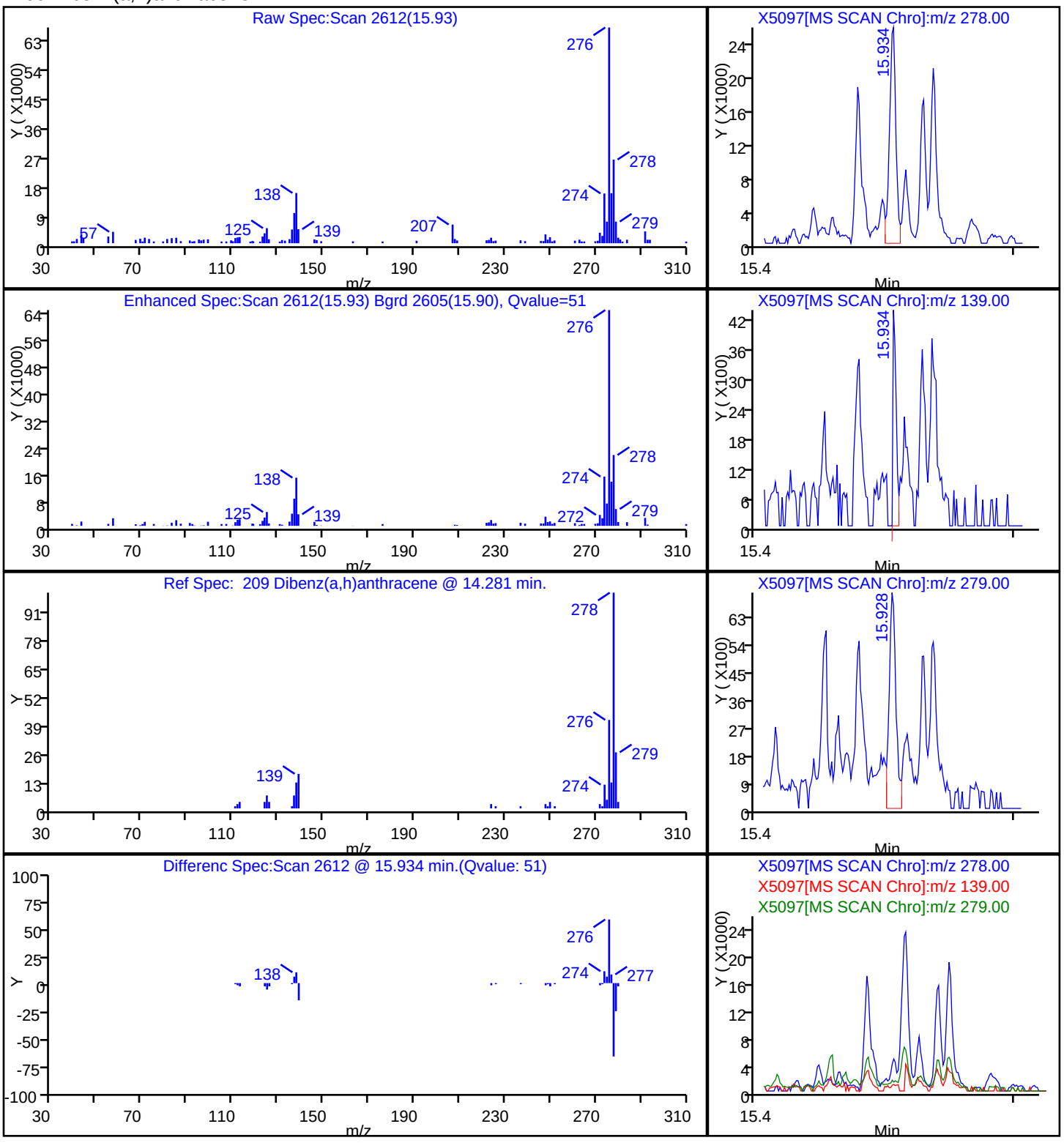
199 Chrysene



Report Date: 10-Apr-2012 10:49:35 Chrom Revision: 2.0 20-Feb-2012 13:27:02

Data File:	\\Bufchrom\ChromData\HP5973X\20120409-10842.b\X5097.D		
Injection Date:	09-Apr-2012 20:15:30	Limit Group:	MB - 8270C ICAL
Client ID:	RB-06 (6"-12"	Instrument ID:	HP5973X
Lims Batch ID:	58786	Lims Sample ID:	10
Operator ID:	RMM	Injection Vol:	1.00 ul
Column Type:	RXI-5Sil MS	Column Dia:	0.25 mm

209 Dibenz(a,h)anthracene

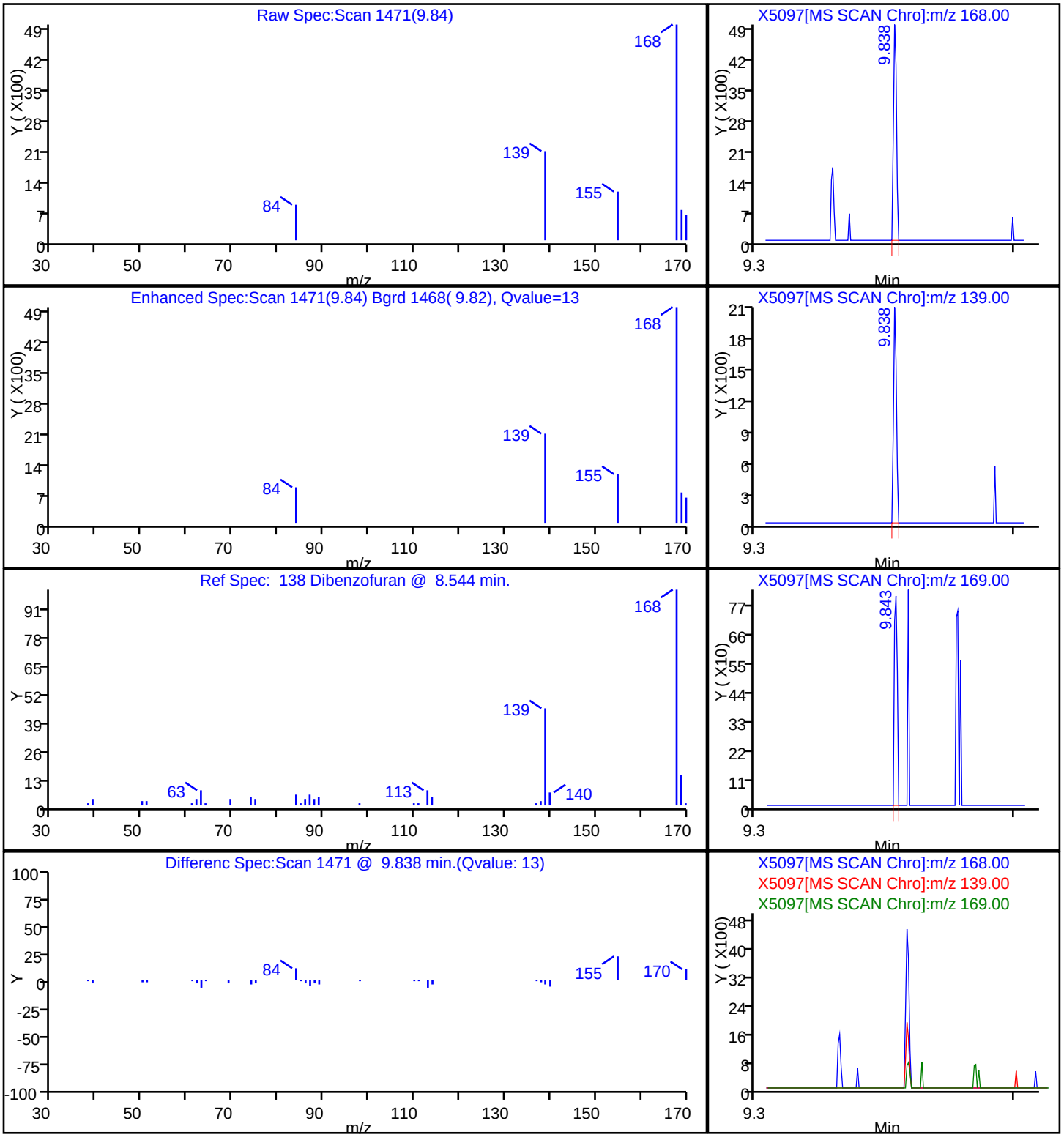


Report Date: 10-Apr-2012 10:49:35 Chrom Revision: 2.0 20-Feb-2012 13:27:02

Data File: \\Bufchrom\ChromData\HP5973X\20120409-10842.b\X5097.D

Injection Date:	09-Apr-2012 20:15:30	Limit Group:	MB - 8270C ICAL
Client ID:	RB-06 (6"-12"	Instrument ID:	HP5973X
Lims Batch ID:	58786	Lims Sample ID:	10
Operator ID:	RMM	Injection Vol:	1.00 ul
Column Type:	RXI-5Sil MS	Column Dia:	0.25 mm

138 Dibenzofuran

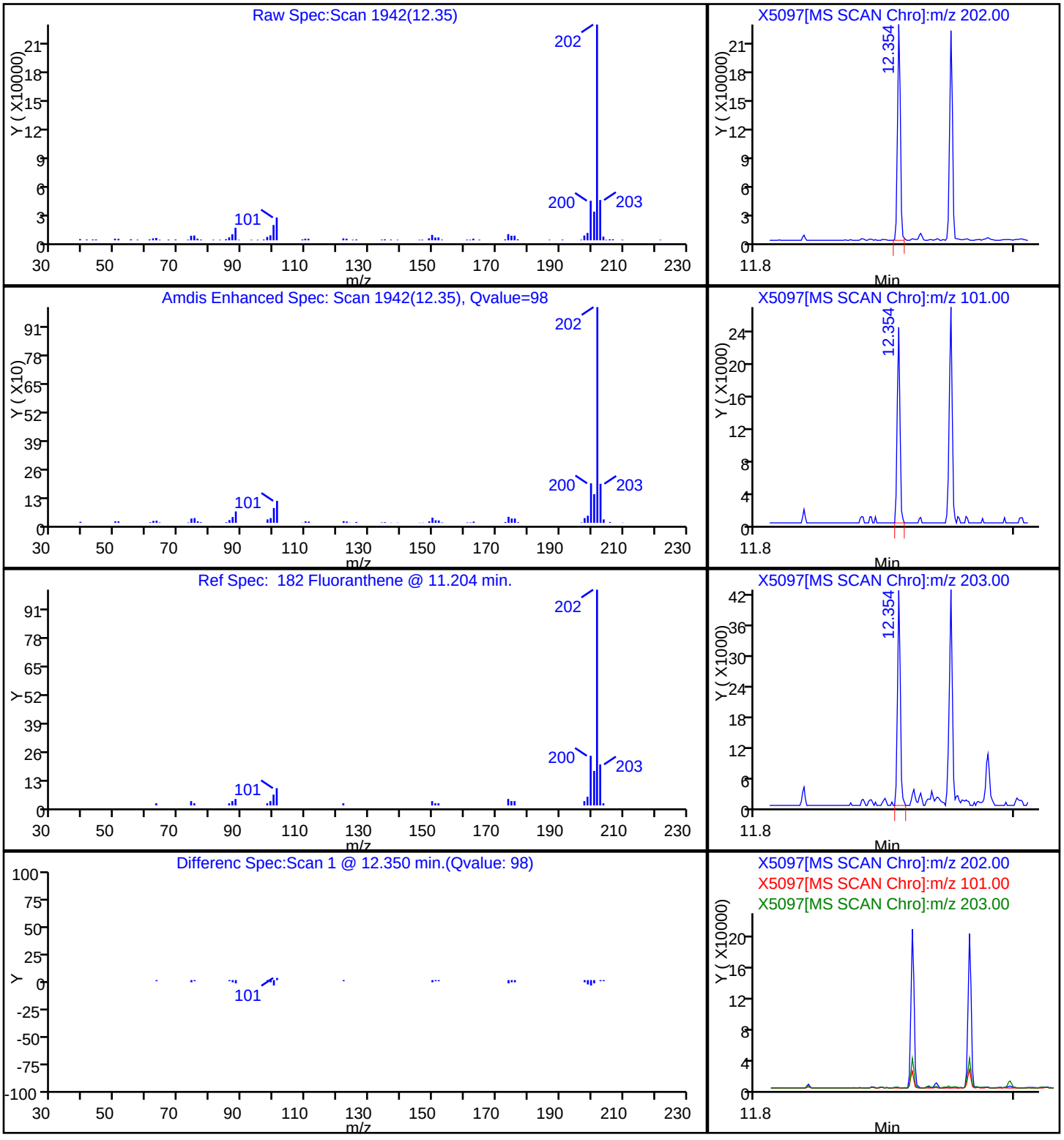


Report Date: 10-Apr-2012 10:49:35 Chrom Revision: 2.0 20-Feb-2012 13:27:02

Data File: \\Bufchrom\ChromData\HP5973X\20120409-10842.b\X5097.D

Injection Date:	09-Apr-2012 20:15:30	Limit Group:	MB - 8270C ICAL
Client ID:	RB-06 (6"-12"	Instrument ID:	HP5973X
Lims Batch ID:	58786	Lims Sample ID:	10
Operator ID:	RMM	Injection Vol:	1.00 ul
Column Type:	RXI-5Sil MS	Column Dia:	0.25 mm

182 Fluoranthene

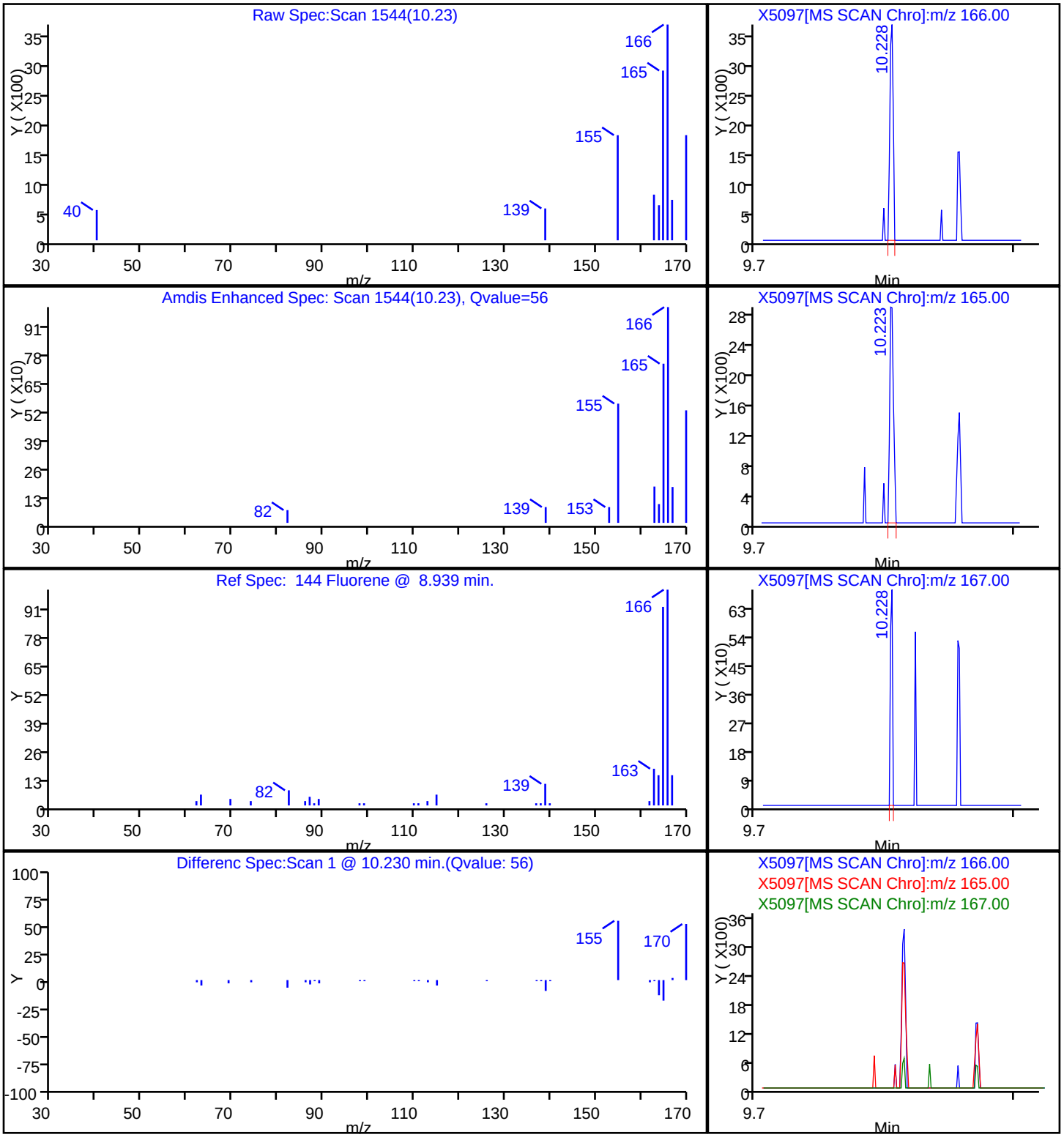


Report Date: 10-Apr-2012 10:49:35 Chrom Revision: 2.0 20-Feb-2012 13:27:02

Data File: \\Bufchrom\ChromData\HP5973X\20120409-10842.b\X5097.D

Injection Date:	09-Apr-2012 20:15:30	Limit Group:	MB - 8270C ICAL
Client ID:	RB-06 (6"-12"	Instrument ID:	HP5973X
Lims Batch ID:	58786	Lims Sample ID:	10
Operator ID:	RMM	Injection Vol:	1.00 ul
Column Type:	RXI-5Sil MS	Column Dia:	0.25 mm

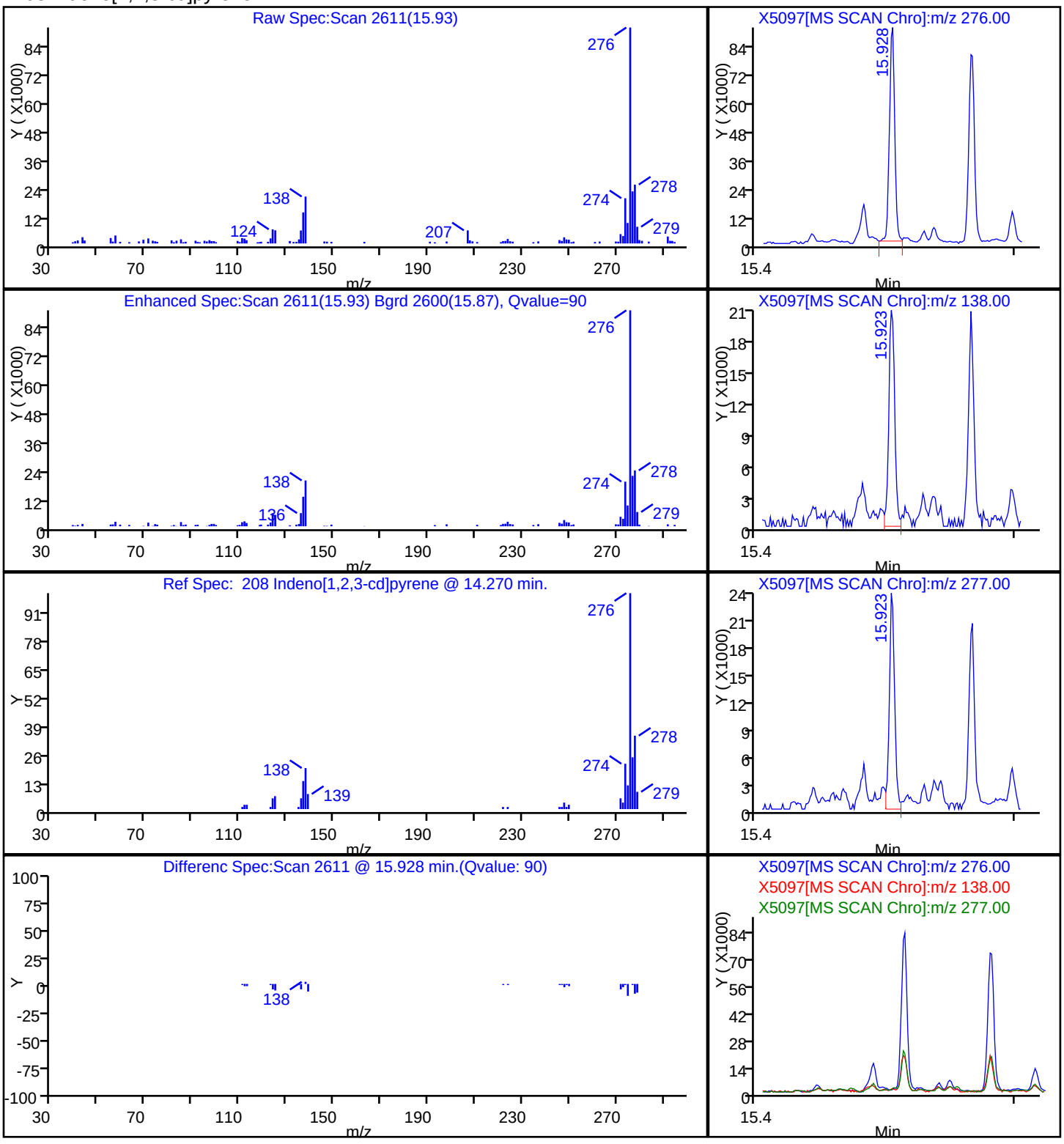
144 Fluorene



Report Date: 10-Apr-2012 10:49:35 Chrom Revision: 2.0 20-Feb-2012 13:27:02

Data File:	\\Bufchrom\ChromData\HP5973X\20120409-10842.b\X5097.D		
Injection Date:	09-Apr-2012 20:15:30	Limit Group:	MB - 8270C ICAL
Client ID:	RB-06 (6"-12"	Instrument ID:	HP5973X
Lims Batch ID:	58786	Lims Sample ID:	10
Operator ID:	RMM	Injection Vol:	1.00 ul
Column Type:	RXI-5Sil MS	Column Dia:	0.25 mm

208 Indeno[1,2,3-cd]pyrene

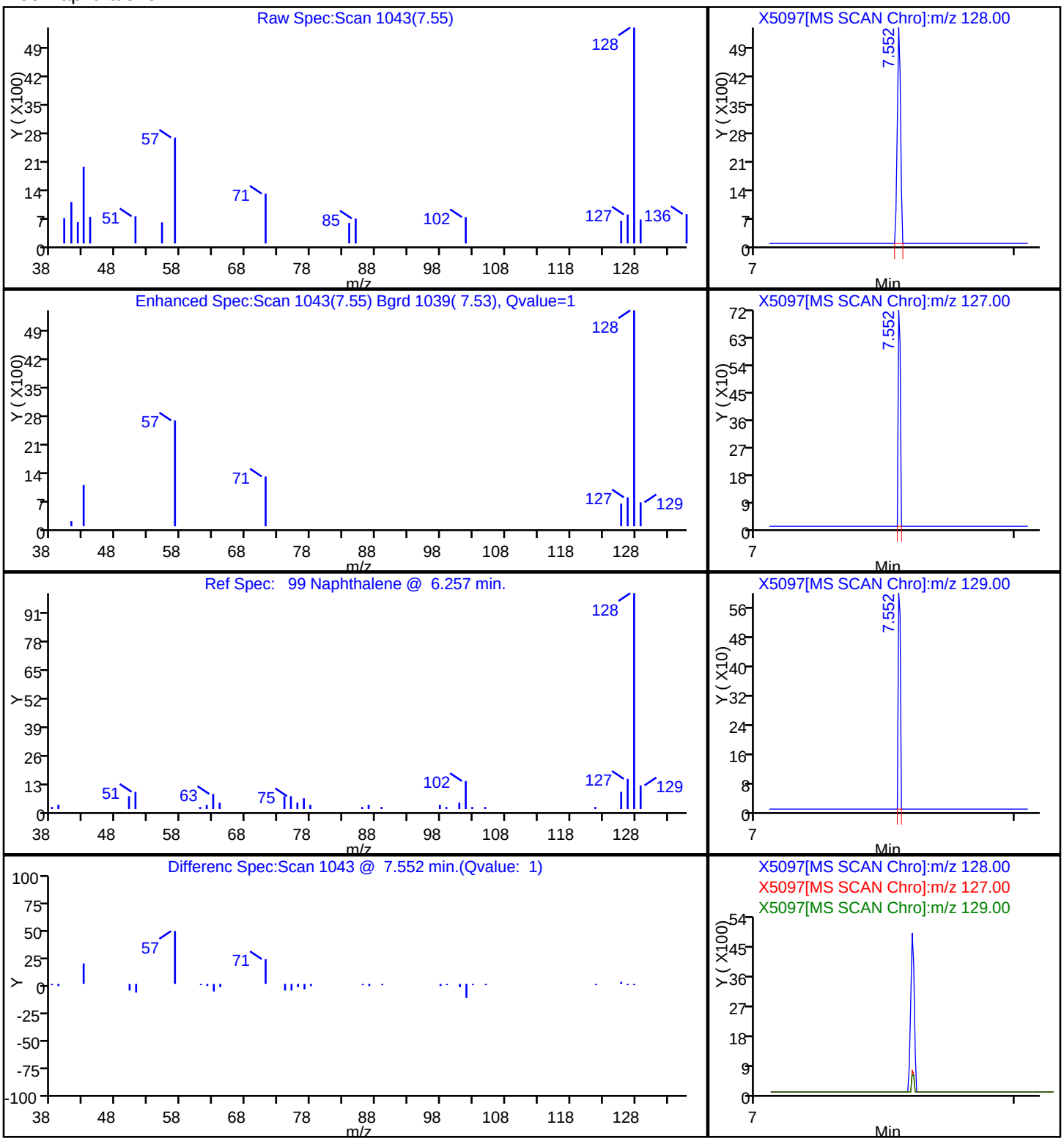


Report Date: 10-Apr-2012 10:49:35 Chrom Revision: 2.0 20-Feb-2012 13:27:02

Data File: \\Bufchrom\ChromData\HP5973X\20120409-10842.b\X5097.D

Injection Date:	09-Apr-2012 20:15:30	Limit Group:	MB - 8270C ICAL
Client ID:	RB-06 (6"-12"	Instrument ID:	HP5973X
Lims Batch ID:	58786	Lims Sample ID:	10
Operator ID:	RMM	Injection Vol:	1.00 ul
Column Type:	RXI-5Sil MS	Column Dia:	0.25 mm

99 Naphthalene

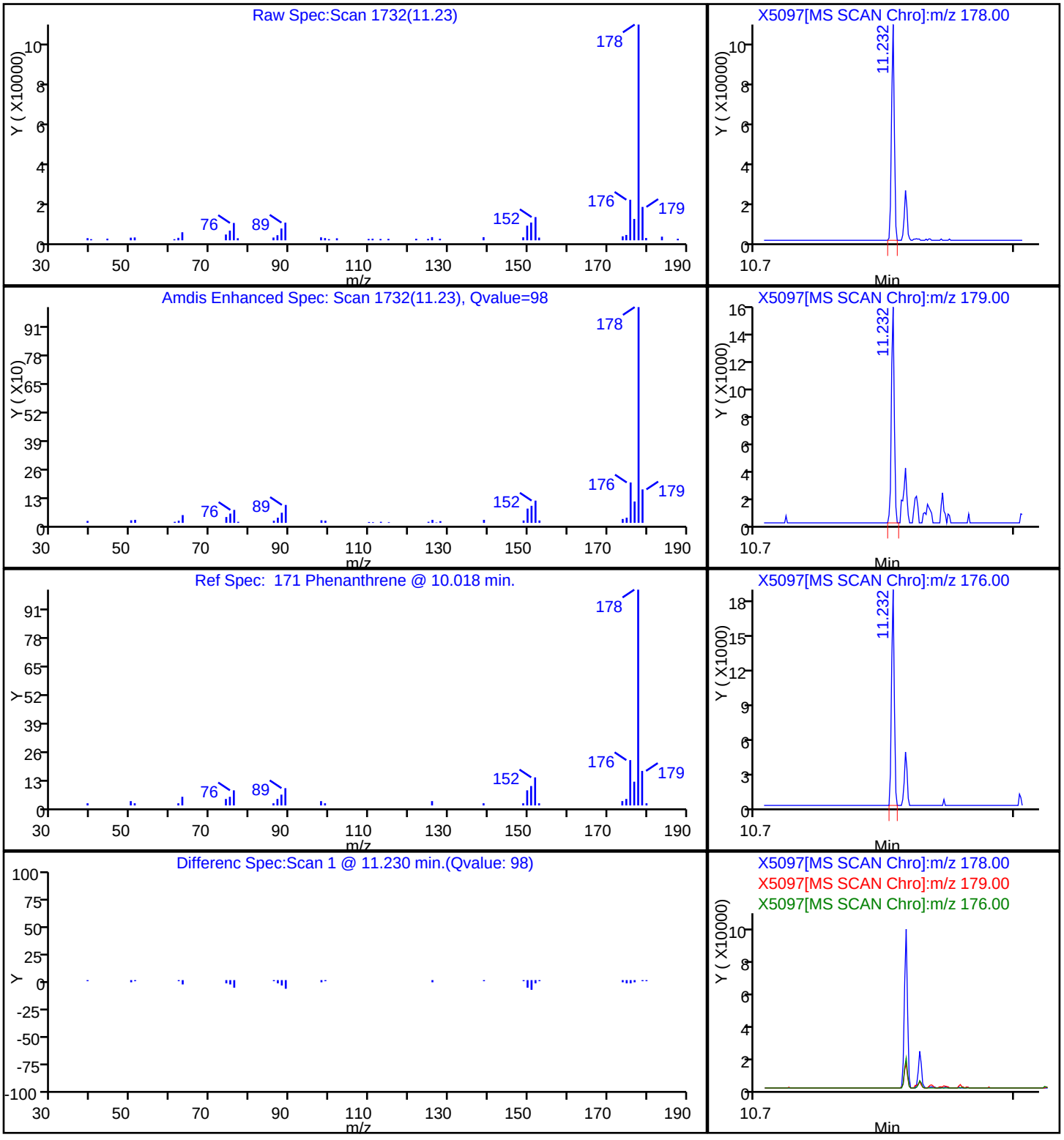


Report Date: 10-Apr-2012 10:49:35 Chrom Revision: 2.0 20-Feb-2012 13:27:02

Data File: \\Bufchrom\ChromData\HP5973X\20120409-10842.b\X5097.D

Injection Date:	09-Apr-2012 20:15:30	Limit Group:	MB - 8270C ICAL
Client ID:	RB-06 (6"-12"	Instrument ID:	HP5973X
Lims Batch ID:	58786	Lims Sample ID:	10
Operator ID:	RMM	Injection Vol:	1.00 ul
Column Type:	RXI-5Sil MS	Column Dia:	0.25 mm

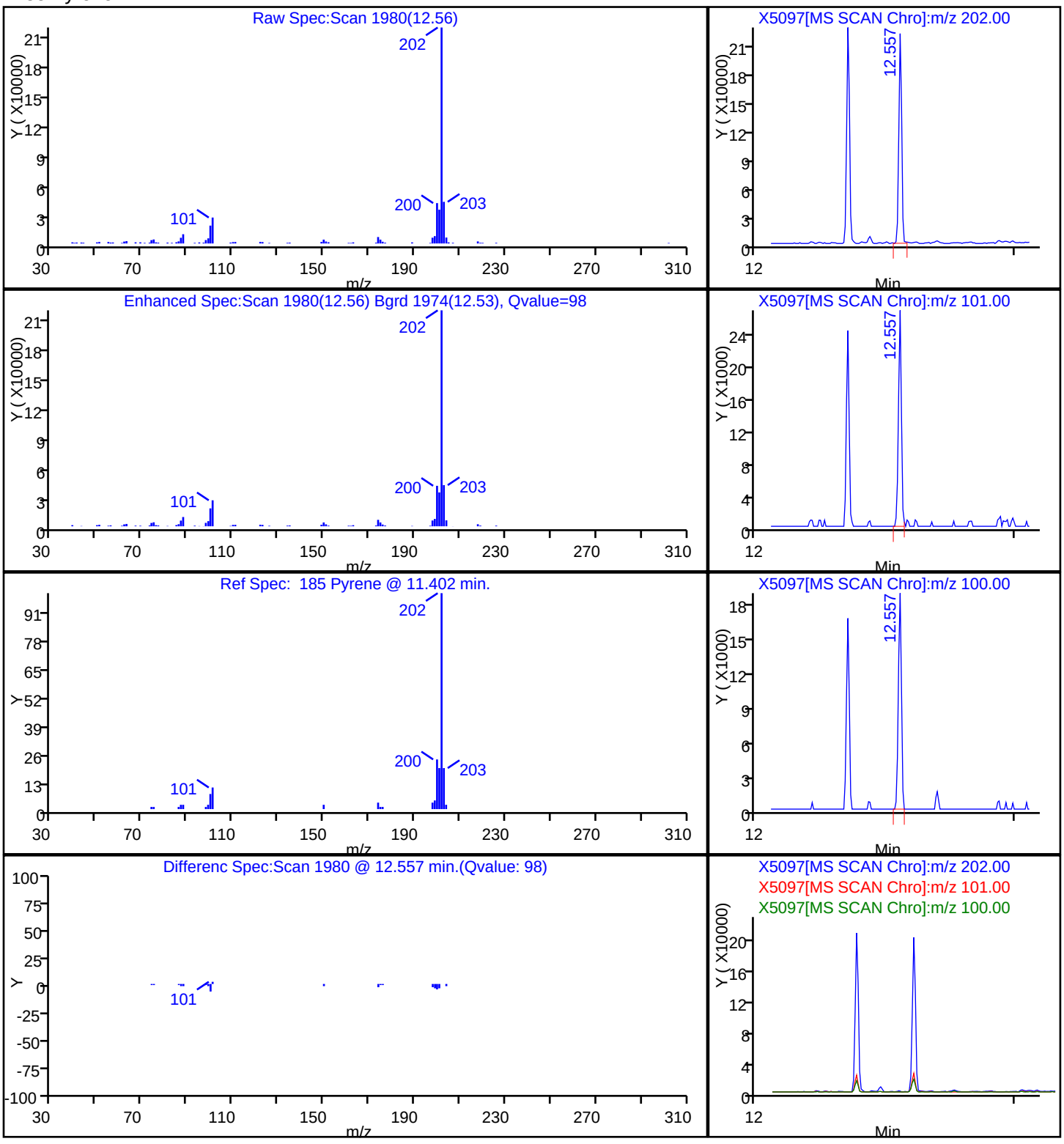
171 Phenanthrene



Report Date: 10-Apr-2012 10:49:35 Chrom Revision: 2.0 20-Feb-2012 13:27:02

Data File:	\\Bufchrom\ChromData\HP5973X\20120409-10842.b\X5097.D		
Injection Date:	09-Apr-2012 20:15:30	Limit Group:	MB - 8270C ICAL
Client ID:	RB-06 (6"-12"	Instrument ID:	HP5973X
Lims Batch ID:	58786	Lims Sample ID:	10
Operator ID:	RMM	Injection Vol:	1.00 ul
Column Type:	RXI-5Sil MS	Column Dia:	0.25 mm

185 Pyrene



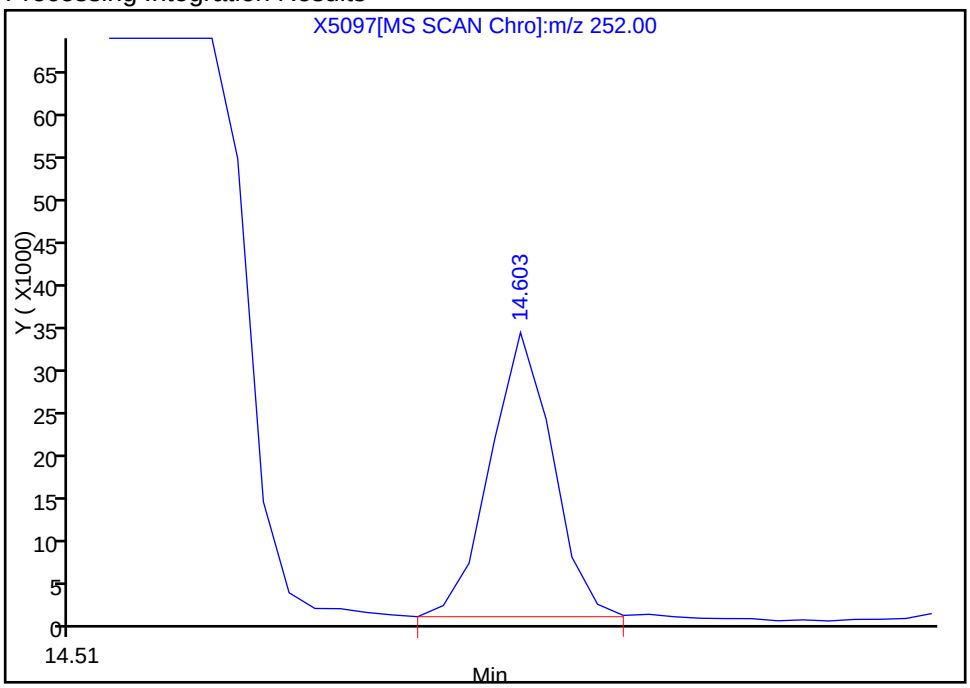
Manual Integration/User Assign Peak Report

Data File:	\\Bufchrom\ChromData\HP5973X\20120409-10842.b\X5097.D		
Injection Date:	09-Apr-2012 20:15:30	Limit Group:	MB - 8270C ICAL
Client ID:	RB-06 (6"-12"	Instrument ID:	HP5973X
Lims Batch ID:	58786	Lims Sample ID:	10
Operator ID:	RMM	Injection Vol:	1.00 ul
Column Type:	RXI-5Sil MS	Column Dia:	0.25 mm

204 Benzo[k]fluoranthene, Signal: 1, m/z: 252.0 Type: quant, RT: 14.55

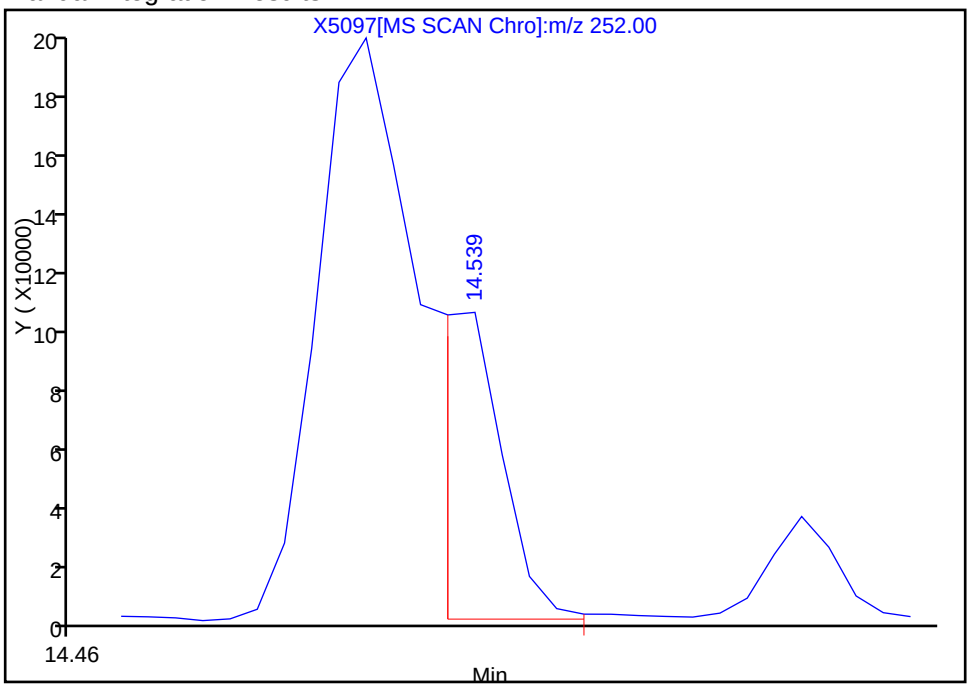
Processing Integration Results

RT: 14.60
Response: 29827
Amount: 2.012177



Manual Integration Results

RT: 14.54
Response: 88091
Amount: 5.942759

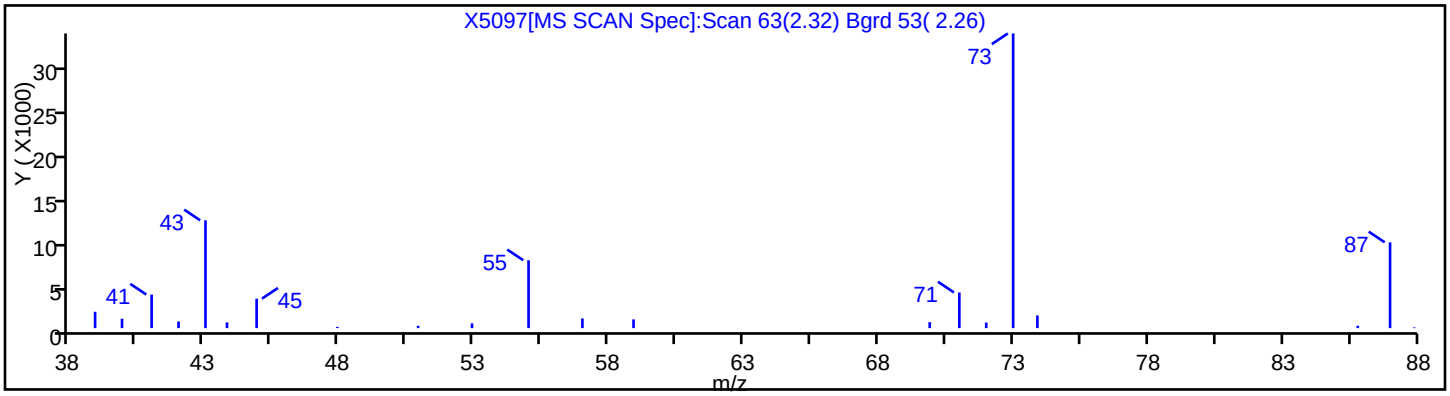


Reviewer: mckernar, 10-Apr-2012 10:49:35
Audit Action: Manually Integrated
Audit Reason: Assign Peak

Report Date: 10-Apr-2012 10:49:35 Chrom Revision: 2.0 20-Feb-2012 13:27:02

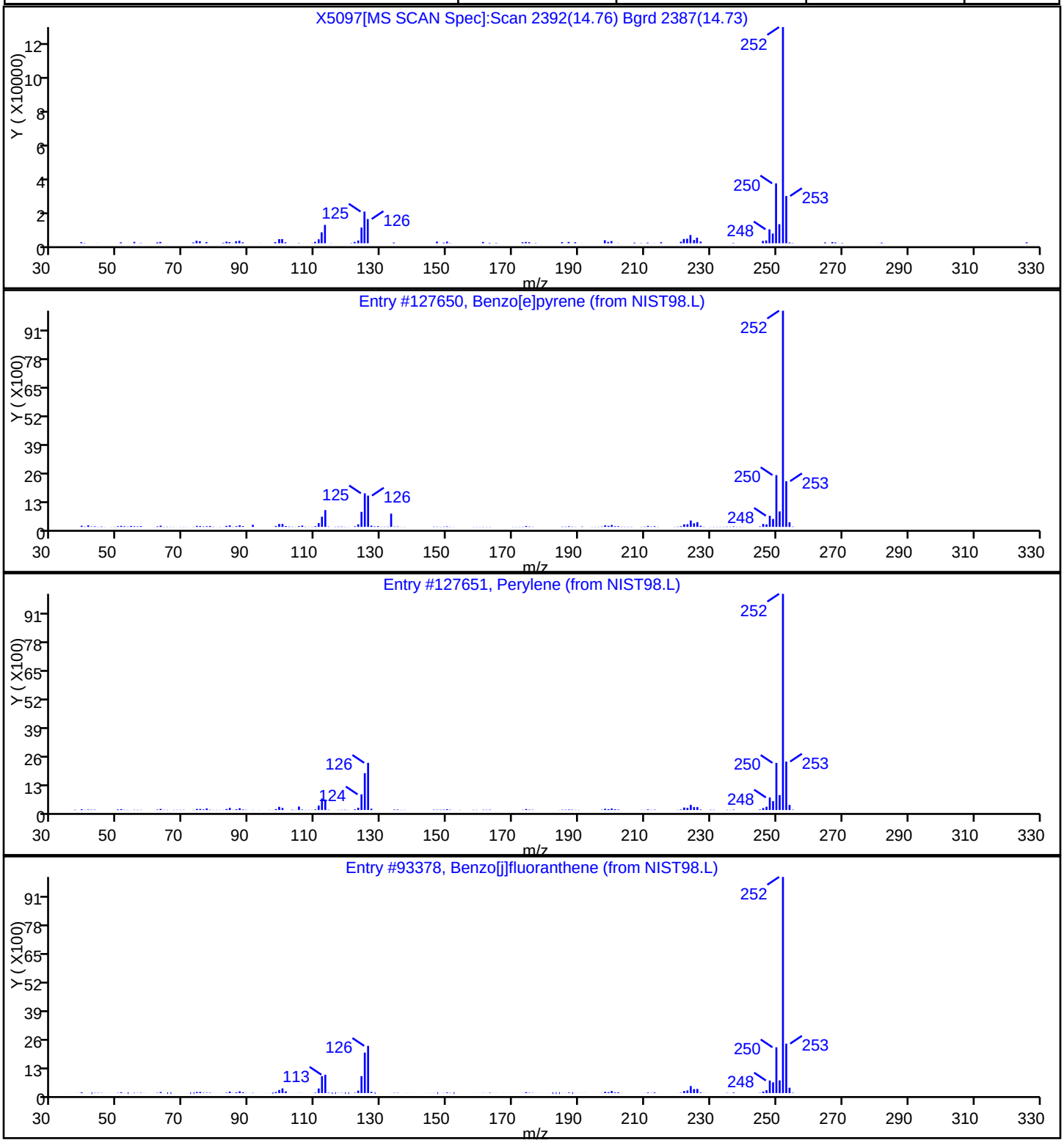
Data File:	\\Bufchrom\ChromData\HP5973X\20120409-10842.b\X5097.D		
Injection Date:	09-Apr-2012 20:15:30	Limit Group:	MB - 8270C ICAL
Client ID:	RB-06 (6"-12"	Instrument ID:	HP5973X
Lims Batch ID:	58786	Lims Sample ID:	10
Operator ID:	RMM	Injection Vol:	1.00 ul
Column Type:	RXI-5Sil MS	Column Dia:	0.25 mm

No Library Matches Found above the Threshold: 85



Report Date: 10-Apr-2012 10:49:35 Chrom Revision: 2.0 20-Feb-2012 13:27:02
Data File: \\Bufchrom\ChromData\HP5973X\20120409-10842.b\X5097.D
Injection Date: 09-Apr-2012 20:15:30 Limit Group: MB - 8270C ICAL
Client ID: RB-06 (6"-12" Instrument ID: HP5973X
Lims Batch ID: 58786 Lims Sample ID: 10
Operator ID: RMM Injection Vol: 1.00 ul
Column Type: RXI-5Sil MS Column Dia: 0.25 mm

Library Search Compound Match	CAS Number	Library	Entry	Quality
Benzo[e]pyrene	192-97-2	NIST98.L	127650	94
Perylene	198-55-0	NIST98.L	127651	93
Benzo[j]fluoranthene	205-82-3	NIST98.L	93378	93



FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Buffalo | Job No.: 480-18068-1

SDG No.:

Client Sample ID: RB-06 (12"-24") | Lab Sample ID: 480-18068-12

Matrix: Solid | Lab File ID: X5098.D

Analysis Method: 8270C | Date Collected: 04/02/2012 16:35

Extract. Method: 3550B | Date Extracted: 04/05/2012 10:44

Sample wt/vol: +30.53(g) | Date Analyzed: 04/09/2012 20:38

Con. Extract Vol.: 1(mL) | Dilution Factor: 10

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

% Moisture: 11.1 | GPC Cleanup:(Y/N) N

Analysis Batch No.: 58786 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
95-95-4	2,4,5-Trichlorophenol	ND		1900	410
88-06-2	2,4,6-Trichlorophenol	ND		1900	120
120-83-2	2,4-Dichlorophenol	ND		1900	98
105-67-9	2,4-Dimethylphenol	ND		1900	500
51-28-5	2,4-Dinitrophenol	ND		3600	650
121-14-2	2,4-Dinitrotoluene	ND		1900	290
606-20-2	2,6-Dinitrotoluene	ND		1900	460
91-58-7	2-Chloronaphthalene	ND		1900	130
95-57-8	2-Chlorophenol	ND		1900	95
91-57-6	2-Methylnaphthalene	130	J	1900	23
95-48-7	2-Methylphenol	ND		1900	57
88-74-4	2-Nitroaniline	ND		3600	600
88-75-5	2-Nitrophenol	ND		1900	85
91-94-1	3,3'-Dichlorobenzidine	ND		1900	1600
99-09-2	3-Nitroaniline	ND		3600	430
534-52-1	4,6-Dinitro-2-methylphenol	ND		3600	640
101-55-3	4-Bromophenyl phenyl ether	ND		1900	590
59-50-7	4-Chloro-3-methylphenol	ND		1900	77
106-47-8	4-Chloroaniline	ND		1900	550
7005-72-3	4-Chlorophenyl phenyl ether	ND		1900	40
106-44-5	4-Methylphenol	ND		3600	100
100-01-6	4-Nitroaniline	ND		3600	210
100-02-7	4-Nitrophenol	ND	*	3600	450
83-32-9	Acenaphthene	110	J	1900	22
208-96-8	Acenaphthylene	ND		1900	15
98-86-2	Acetophenone	ND		1900	96
120-12-7	Anthracene	340	J	1900	48
1912-24-9	Atrazine	ND	*	1900	83
100-52-7	Benzaldehyde	ND		1900	200
56-55-3	Benzo(a)anthracene	1800	J	1900	32
50-32-8	Benzo(a)pyrene	2500		1900	45
205-99-2	Benzo(b)fluoranthene	3400		1900	36
191-24-2	Benzo(g,h,i)perylene	2200		1900	22
207-08-9	Benzo(k)fluoranthene	1400	J	1900	21

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Buffalo | Job No.: 480-18068-1

SDG No.:

Client Sample ID: RB-06 (12"-24") | Lab Sample ID: 480-18068-12

Matrix: Solid | Lab File ID: X5098.D

Analysis Method: 8270C | Date Collected: 04/02/2012 16:35

Extract. Method: 3550B | Date Extracted: 04/05/2012 10:44

Sample wt/vol: +30.53(g) | Date Analyzed: 04/09/2012 20:38

Con. Extract Vol.: 1(mL) | Dilution Factor: 10

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

% Moisture: 11.1 | GPC Cleanup:(Y/N) N

Analysis Batch No.: 58786 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
92-52-4	Biphenyl	ND		1900	120
108-60-1	bis (2-chloroisopropyl) ether	ND		1900	200
111-91-1	Bis(2-chloroethoxy)methane	ND		1900	100
111-44-4	Bis(2-chloroethyl)ether	ND		1900	160
117-81-7	Bis(2-ethylhexyl) phthalate	ND		1900	600
85-68-7	Butyl benzyl phthalate	ND		1900	500
105-60-2	Caprolactam	ND		1900	810
86-74-8	Carbazole	160	J	1900	22
218-01-9	Chrysene	2200		1900	19
53-70-3	Dibenz(a,h)anthracene	690	J	1900	22
132-64-9	Dibenzofuran	ND		1900	19
84-66-2	Diethyl phthalate	ND		1900	56
131-11-3	Dimethyl phthalate	ND		1900	49
84-74-2	Di-n-butyl phthalate	ND		1900	650
117-84-0	Di-n-octyl phthalate	ND		1900	44
206-44-0	Fluoranthene	2700		1900	27
86-73-7	Fluorene	ND		1900	43
118-74-1	Hexachlorobenzene	ND		1900	93
87-68-3	Hexachlorobutadiene	ND		1900	95
77-47-4	Hexachlorocyclopentadiene	ND		1900	560
67-72-1	Hexachloroethane	ND		1900	140
193-39-5	Indeno(1,2,3-cd)pyrene	1900		1900	52
78-59-1	Isophorone	ND		1900	93
91-20-3	Naphthalene	ND		1900	31
98-95-3	Nitrobenzene	ND		1900	83
621-64-7	N-Nitrosodi-n-propylamine	ND		1900	150
86-30-6	N-Nitrosodiphenylamine	ND		1900	100
87-86-5	Pentachlorophenol	ND		3600	640
85-01-8	Phenanthrene	1500	J	1900	39
108-95-2	Phenol	ND		1900	200
129-00-0	Pyrene	2400		1900	12

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Buffalo | Job No.: 480-18068-1

SDG No.:

Client Sample ID: RB-06 (12"-24") | Lab Sample ID: 480-18068-12

Matrix: Solid | Lab File ID: X5098.D

Analysis Method: 8270C | Date Collected: 04/02/2012 16:35

Extract. Method: 3550B | Date Extracted: 04/05/2012 10:44

Sample wt/vol: +30.53(g) | Date Analyzed: 04/09/2012 20:38

Con. Extract Vol.: 1(mL) | Dilution Factor: 10

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

% Moisture: 11.1 | GPC Cleanup:(Y/N) N

Analysis Batch No.: 58786 | Units: ug/Kg

CAS NO.	SURROGATE	%REC	Q	LIMITS
118-79-6	2,4,6-Tribromophenol	91		39-146
321-60-8	2-Fluorobiphenyl	98		37-120
367-12-4	2-Fluorophenol	75		18-120
4165-60-0	Nitrobenzene-d5	83		34-132
4165-62-2	Phenol-d5	84		11-120
1718-51-0	p-Terphenyl-d14	107		65-153

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

Lab Name: TestAmerica Buffalo | Job No.: 480-18068-1

SDG No.:

Client Sample ID: RB-06 (12"-24") | Lab Sample ID: 480-18068-12

Matrix: Solid | Lab File ID: X5098.D

Analysis Method: 8270C | Date Collected: 04/02/2012 16:35

Extract. Method: 3550B | Date Extracted: 04/05/2012 10:44

Sample wt/vol: +30.53(g) | Date Analyzed: 04/09/2012 20:38

Con. Extract Vol.: 1(mL) | Dilution Factor: 10

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

% Moisture: 11.1 | GPC Cleanup:(Y/N) N

Analysis Batch No.: 58786 | Units: ug/Kg

Number TICs Found: 4 | TIC Result Total: 8800

CAS NO.	COMPOUND NAME	RT	RESULT	Q
	Unknown	2.33	3300	T J
192-97-2	Benzo[e]pyrene	14.76	2100	T J N
	Unknown	16.31	1800	T J
	Unknown	16.99	1600	T J

TestAmerica Laboratories
Target Compound Quantitation Report

Data File:	\\Bufchrom\ChromData\HP5973X\20120409-10842.b\X5098.D		
Lims ID:	480-18068-A-12-D	Client ID:	RB-06 (12"-24")
Inject. Date:	09-Apr-2012 20:38:30	Dil. Factor:	10.0000
Sample Type:	Client		
Sample ID:	480-0010842-011		
Misc. Info.:			
Operator:	RMM	Instrument ID:	HP5973X
Vol. Injected:	1.0000	ALS Bottle#:	11
Lims Batch ID:	58786	Lims Sample ID:	11
Detector:	MS SCAN		
Method:	\\Bufchrom\ChromData\HP5973X\20120409-10842.b\X-8270.m		
Last Update:	10-Apr-2012 10:49:35	Calib Date:	09-Apr-2012 15:39:30
Quant Method:	Internal Standard	Quant By:	Initial Calibration
Last ICal File:	\\Bufchrom\ChromData\HP5973X\20120409-10830.b\X5085.D		
Limit Group:	MB - 8270C ICAL		
Integrator:	RTE	ID Type:	Deconvolution ID
Process Host:	CORP-CTX-19		
First Level Reviewer: mckernar		Date:	10-Apr-2012 10:51:12

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ng/uL	Flags
* 1 1,4-Dichlorobenzene-d4	152	6.045	6.040	0.005	96	116016	40.0	
* 2 Naphthalene-d8	136	7.536	7.536	0.0	93	403066	40.0	
* 3 Acenaphthene-d10	164	9.603	9.603	0.0	53	229499	40.0	
* 4 Phenanthrene-d10	188	11.216	11.211	0.005	100	414329	40.0	
* 5 Chrysene-d12	240	13.626	13.620	0.006	100	389005	40.0	
* 6 Perylene-d12	264	14.871	14.865	0.006	100	464729	40.0	
$ 7 2-Fluorophenol	112	4.480	4.475	0.005	91	51184	11.2	
$ 8 Phenol-d5	99	5.602	5.602	0.0	72	68561	12.6	
$ 9 Nitrobenzene-d5	82	6.692	6.697	-0.005	89	38098	8.34	
$ 10 2-Fluorobiphenyl	172	8.812	8.823	-0.011	99	72686	9.80	
$ 11 2,4,6-Tribromophenol	330	10.490	10.501	-0.011	60	11307	13.7	
$ 12 p-Terphenyl-d14	244	12.707	12.707	0.0	96	88272	10.7	
62 Benzaldehyde	77		5.532					
63 Phenol	94		5.618					
66 Bis(2-chloroethyl)ether	93		5.735					
67 2-Chlorophenol	128		5.789					
73 2-Methylphenol	108		6.339					
74 2,2'-oxybis[1-chloropropane]	45		6.376					
76 Acetophenone	105		6.515					
79 4-Methylphenol	108		6.526					
78 N-Nitrosodi-n-propylamine	70		6.531					
81 Hexachloroethane	117		6.633					
83 Nitrobenzene	77		6.724					
86 Isophorone	82		7.012					
87 2-Nitrophenol	139		7.098					
89 2,4-Dimethylphenol	107		7.162					
94 Bis(2-chloroethoxy)methane	93		7.279					
97 2,4-Dichlorophenol	162		7.381					
99 Naphthalene	128		7.573					
101 4-Chloroaniline	127		7.648					
104 Hexachlorobutadiene	225		7.723					

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ng/uL	Flags
105 Caprolactam	113		8.038					
110 4-Chloro-3-methylphenol	107		8.214					
113 2-Methylnaphthalene	142	8.374	8.374	-0.011	11	2225	0.3650	
116 Hexachlorocyclopentadiene	237		8.567					
118 2,4,6-Trichlorophenol	196		8.716					
119 2,4,5-Trichlorophenol	196		8.754					
123 1,1'-Biphenyl	154		8.930					
124 2-Chloronaphthalene	162		8.951					
125 2-Nitroaniline	65		9.090					
128 Dimethyl phthalate	163		9.320					
130 2,6-Dinitrotoluene	165		9.384					
131 Acenaphthylene	152		9.443					
132 3-Nitroaniline	138		9.582					
133 Acenaphthene	153	9.635	9.635	-0.011	29	1777	0.2924	
134 2,4-Dinitrophenol	184		9.699					
135 4-Nitrophenol	109		9.785					
138 Dibenzofuran	168		9.849					
137 2,4-Dinitrotoluene	165		9.854					
142 Diethyl phthalate	149		10.143					
144 Fluorene	166		10.239					
145 4-Chlorophenyl phenyl ether	204		10.250					
147 4-Nitroaniline	138		10.282					
148 4,6-Dinitro-2-methylphenol	198		10.308					
149 N-Nitrosodiphenylamine	169		10.383					
159 4-Bromophenyl phenyl ether	248		10.773					
160 Hexachlorobenzene	284		10.821					
163 Atrazine	200		10.955					
165 Pentachlorophenol	266		11.030					
171 Phenanthrene	178	11.238	11.238	0.0	97	42155	4.18	
172 Anthracene	178	11.286	11.291	-0.005	73	9310	0.9142	
173 Carbazole	167	11.452	11.452	-0.005	44	4421	0.4464	
176 Di-n-butyl phthalate	149		11.804					
182 Fluoranthene	202	12.360	12.360	0.0	98	89000	7.44	
185 Pyrene	202	12.563	12.568	-0.005	98	81422	6.61	
192 Butyl benzyl phthalate	149		13.134					
196 3,3'-Dichlorobenzidine	252		13.594					
197 Benzo[a]anthracene	228	13.615	13.615	0.0	34	56642	4.88	
198 Bis(2-ethylhexyl) phthalate	149		13.626					
199 Chrysene	228	13.647	13.647	0.0	98	69252	5.94	
201 Di-n-octyl phthalate	149		14.165					
203 Benzo[b]fluoranthene	252	14.518	14.523	-0.005	98	113865	9.18	
204 Benzo[k]fluoranthene	252	14.539	14.539	-0.011	85	49867	3.79	M
206 Benzo[a]pyrene	252	14.812	14.823	-0.011	99	74184	6.76	
208 Indeno[1,2,3-cd]pyrene	276	15.934	15.944	-0.010	89	64031	5.24	
209 Dibenz(a,h)anthracene	278	15.934	15.934	-0.021	29	20257	1.87	
210 Benzo[g,h,i]perylene	276	16.238	16.254	-0.016	96	62217	6.03	

QC Flag Legend

Review Flags
M - Manually Integrated

TestAmerica Laboratories
Tentatively Identified Quantitation Report

Data File:	\\Bufchrom\ChromData\HP5973X\20120409-10842.b\X5098.D		
Lims ID:	480-18068-A-12-D	Client ID:	RB-06 (12"-24")
Inject. Date:	09-Apr-2012 20:38:30	Dil. Factor:	10.0000
Sample Type:	Client		
Sample ID:	480-0010842-011		
Misc. Info.:			
Operator:	RMM	Instrument ID:	HP5973X
Vol. Injected:	1.0000	ALS Bottle#:	11
Lims Batch ID:	58786	Lims Sample ID:	11
Detector:	MS SCAN		
Method:	\\Bufchrom\ChromData\HP5973X\20120409-10842.b\X-8270.m		
Last Update:	10-Apr-2012 10:49:35	Calib Date:	09-Apr-2012 15:39:30
Tic RT Window:	1.500 -0.000	Response:	area
Quant By:	Nearest ISTD	Quant LOD:	10.00000
MS Library:	\\Bufchrom\ChromData\Database\NIST98.L		
Min. Match:	85		
Process Host:	CORP-CTX-19		
First Level Reviewer: mckernar		Date:	10-Apr-2012 10:51:12

Tentative Identified Compound Results

RT	Response	Amount ng/uL	Quant Cpnd	Qual	Lib Entry	Flags
	Unknown					
2.327	167696	8.87	1			
192-97-2	Benzo[e]pyrene					
14.764	179534	5.64	6	93	127650	
	Unknown					
16.313	155436	4.88	6			
	Unknown					
16.986	136155	4.27	6			

Quantitation Compounds

Compound	RT	Response	Amount ng/uL
* 1 1,4-Dichlorobenzene-d4	6.045	756656	40.0
* 6 Perylene-d12	14.871	1274122	40.0

QC Flag Legend

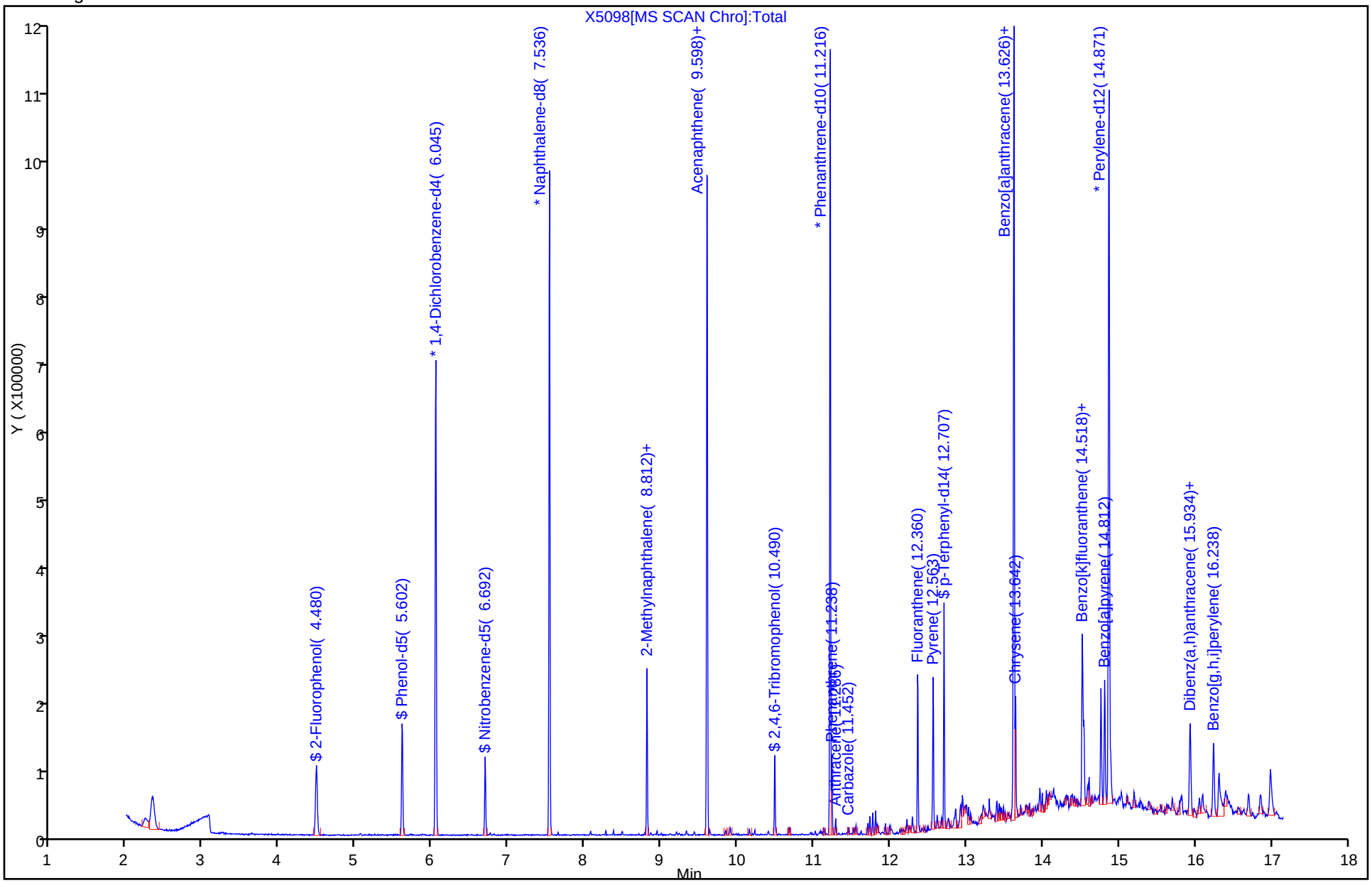
Processing Flags

Report Date: 10-Apr-2012 10:51:12 Chrom Revision: 2.0 20-Feb-2012 13:27:02

Data File: \\Bufchrom\ChromData\HP5973X\20120409-10842.b\X5098.D

Injection Date:	09-Apr-2012 20:38:30	Limit Group:	MB - 8270C ICAL
Client ID:	RB-06 (12"-24")	Instrument ID:	HP5973X
Lims Batch ID:	58786	Lims Sample ID:	11
Operator ID:	RMM	Injection Vol:	1.00 ul
Column Type:	RXI-5Sil MS	Column Dia:	0.25 mm

Y Scaling:

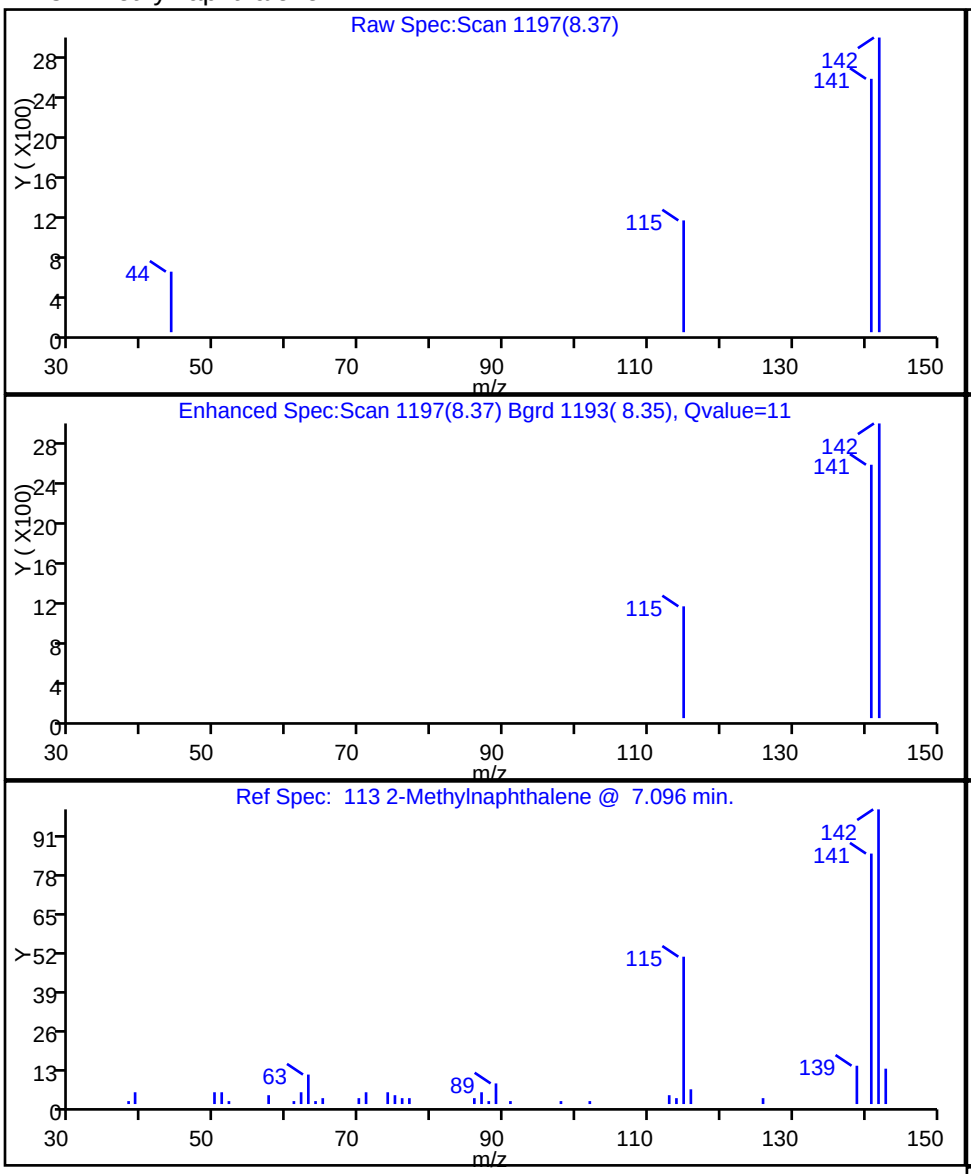


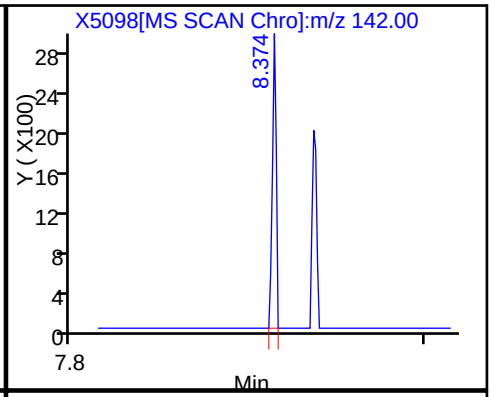
Report Date: 10-Apr-2012 10:51:12 Chrom Revision: 2.0 20-Feb-2012 13:27:02

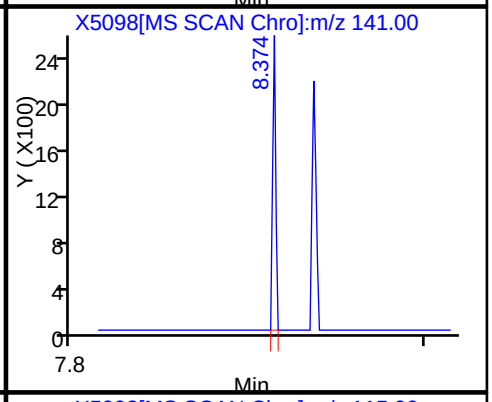
Data File: \\Bufchrom\ChromData\HP5973X\20120409-10842.b\X5098.D

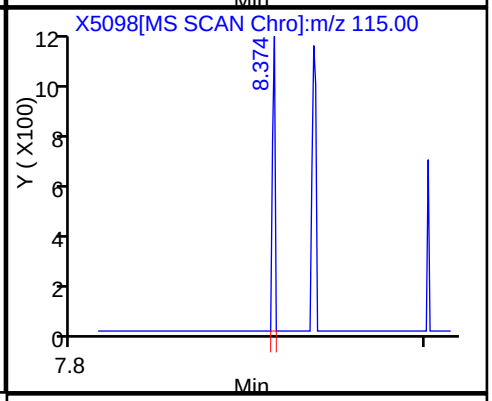
Injection Date:	09-Apr-2012 20:38:30	Limit Group:	MB - 8270C ICAL
Client ID:	RB-06 (12"-24")	Instrument ID:	HP5973X
Lims Batch ID:	58786	Lims Sample ID:	11
Operator ID:	RMM	Injection Vol:	1.00 ul
Column Type:	RXI-5Sil MS	Column Dia:	0.25 mm

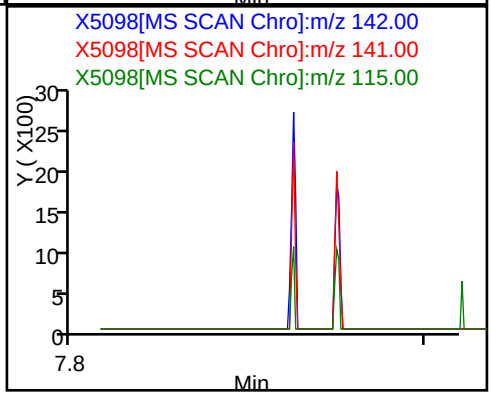
113 2-Methylnaphthalene









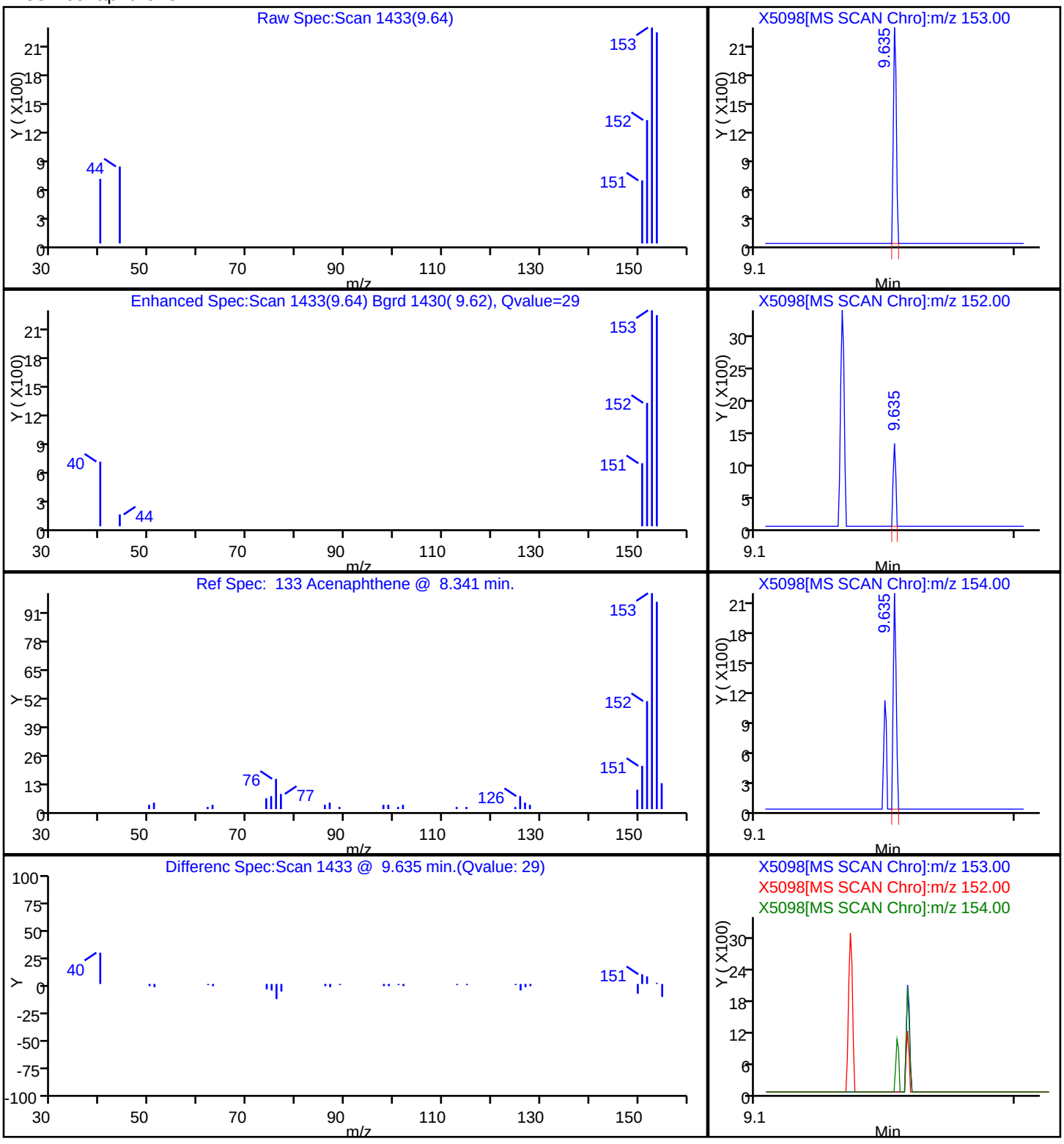


Report Date: 10-Apr-2012 10:51:12 Chrom Revision: 2.0 20-Feb-2012 13:27:02

Data File: \\Bufchrom\ChromData\HP5973X\20120409-10842.b\X5098.D

Injection Date:	09-Apr-2012 20:38:30	Limit Group:	MB - 8270C ICAL
Client ID:	RB-06 (12"-24")	Instrument ID:	HP5973X
Lims Batch ID:	58786	Lims Sample ID:	11
Operator ID:	RMM	Injection Vol:	1.00 ul
Column Type:	RXI-5Sil MS	Column Dia:	0.25 mm

133 Acenaphthene

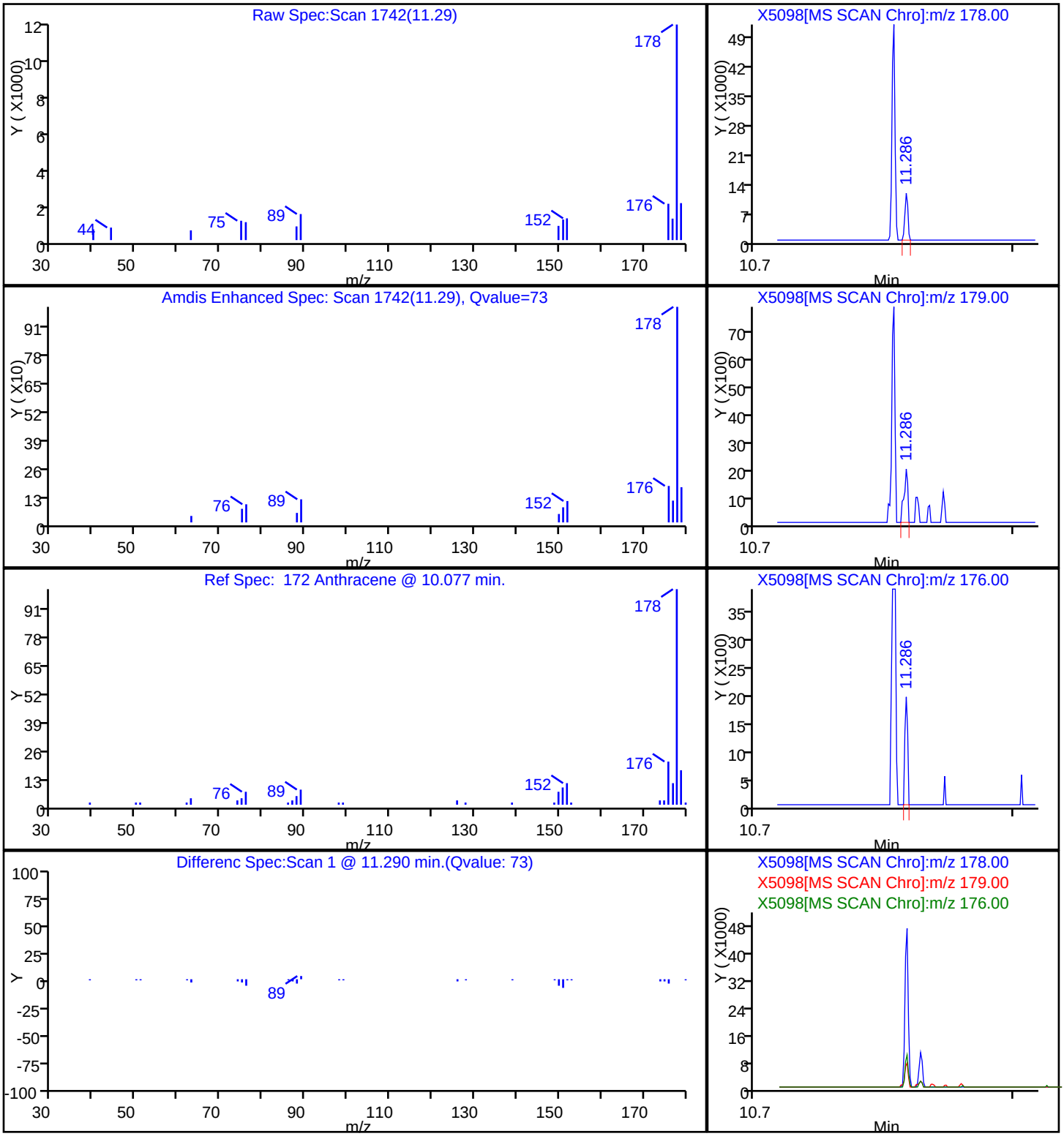


Report Date: 10-Apr-2012 10:51:12 Chrom Revision: 2.0 20-Feb-2012 13:27:02

Data File: \\Bufchrom\ChromData\HP5973X\20120409-10842.b\X5098.D

Injection Date:	09-Apr-2012 20:38:30	Limit Group:	MB - 8270C ICAL
Client ID:	RB-06 (12"-24")	Instrument ID:	HP5973X
Lims Batch ID:	58786	Lims Sample ID:	11
Operator ID:	RMM	Injection Vol:	1.00 ul
Column Type:	RXI-5Sil MS	Column Dia:	0.25 mm

172 Anthracene

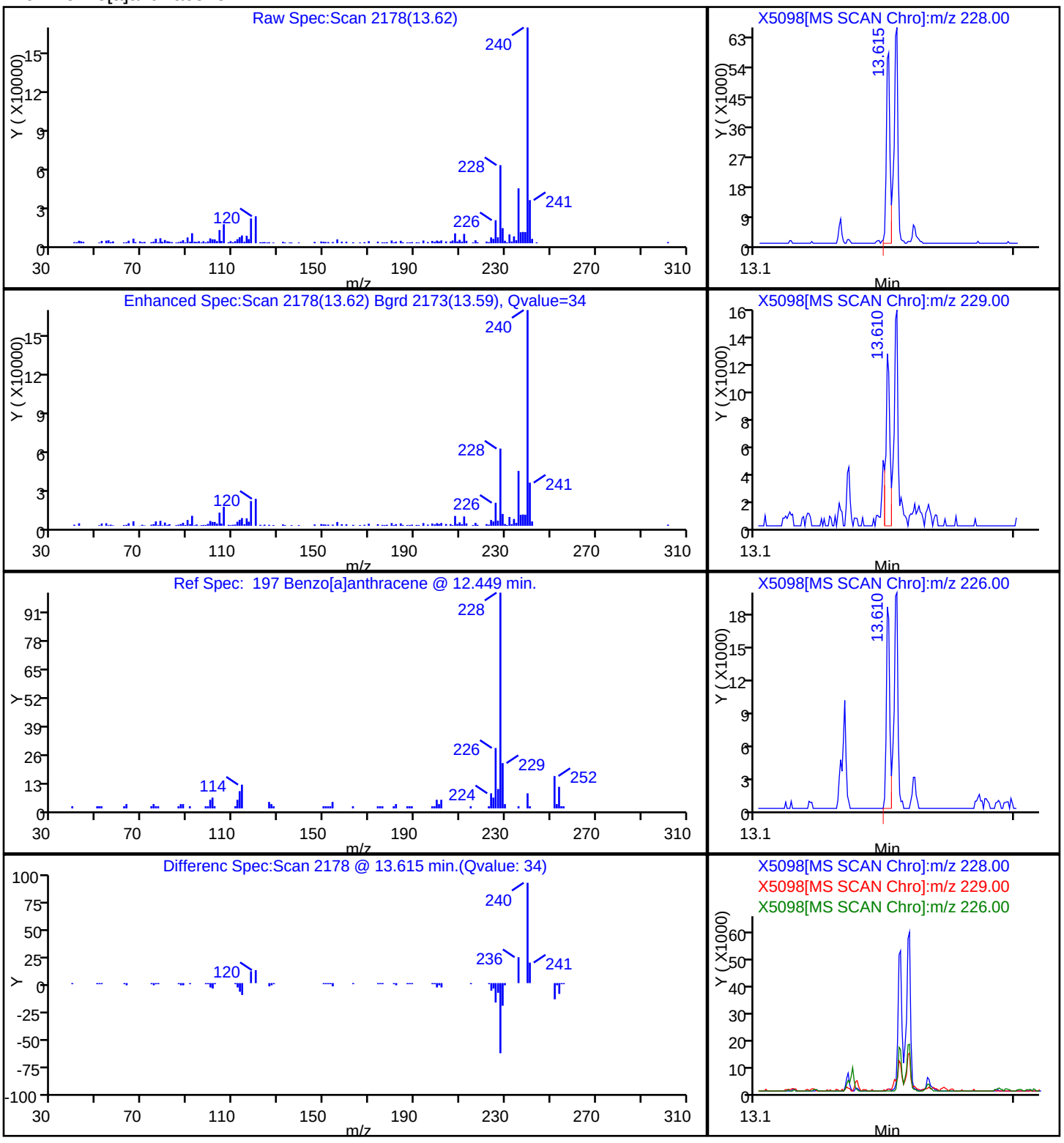


Report Date: 10-Apr-2012 10:51:12 Chrom Revision: 2.0 20-Feb-2012 13:27:02

Data File: \\Bufchrom\ChromData\HP5973X\20120409-10842.b\X5098.D

Injection Date:	09-Apr-2012 20:38:30	Limit Group:	MB - 8270C ICAL
Client ID:	RB-06 (12"-24")	Instrument ID:	HP5973X
Lims Batch ID:	58786	Lims Sample ID:	11
Operator ID:	RMM	Injection Vol:	1.00 ul
Column Type:	RXI-5Sil MS	Column Dia:	0.25 mm

197 Benzo[a]anthracene

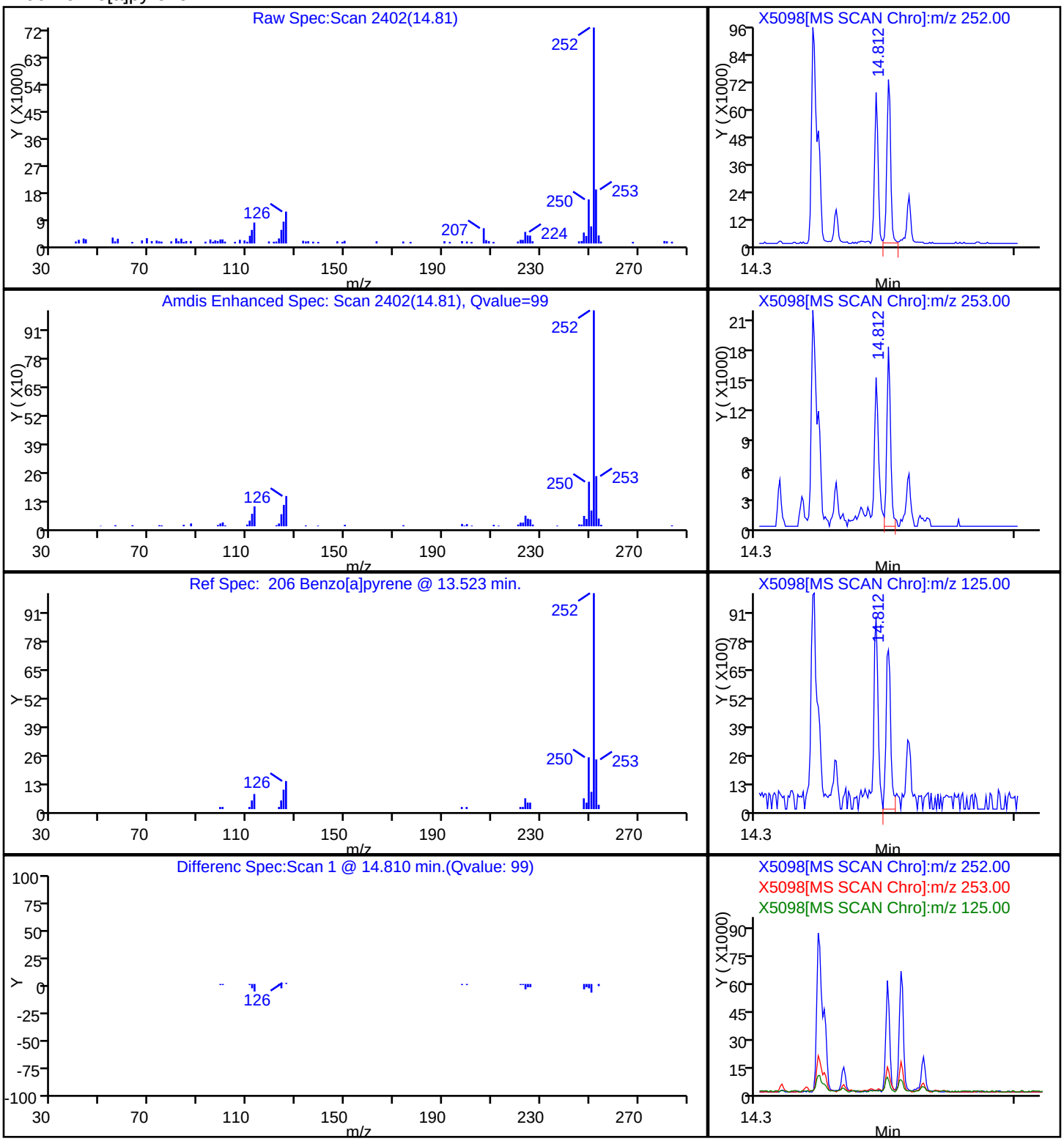


Report Date: 10-Apr-2012 10:51:12 Chrom Revision: 2.0 20-Feb-2012 13:27:02

Data File: \\Bufchrom\ChromData\HP5973X\20120409-10842.b\X5098.D

Injection Date:	09-Apr-2012 20:38:30	Limit Group:	MB - 8270C ICAL
Client ID:	RB-06 (12"-24")	Instrument ID:	HP5973X
Lims Batch ID:	58786	Lims Sample ID:	11
Operator ID:	RMM	Injection Vol:	1.00 ul
Column Type:	RXI-5Sil MS	Column Dia:	0.25 mm

206 Benzo[a]pyrene

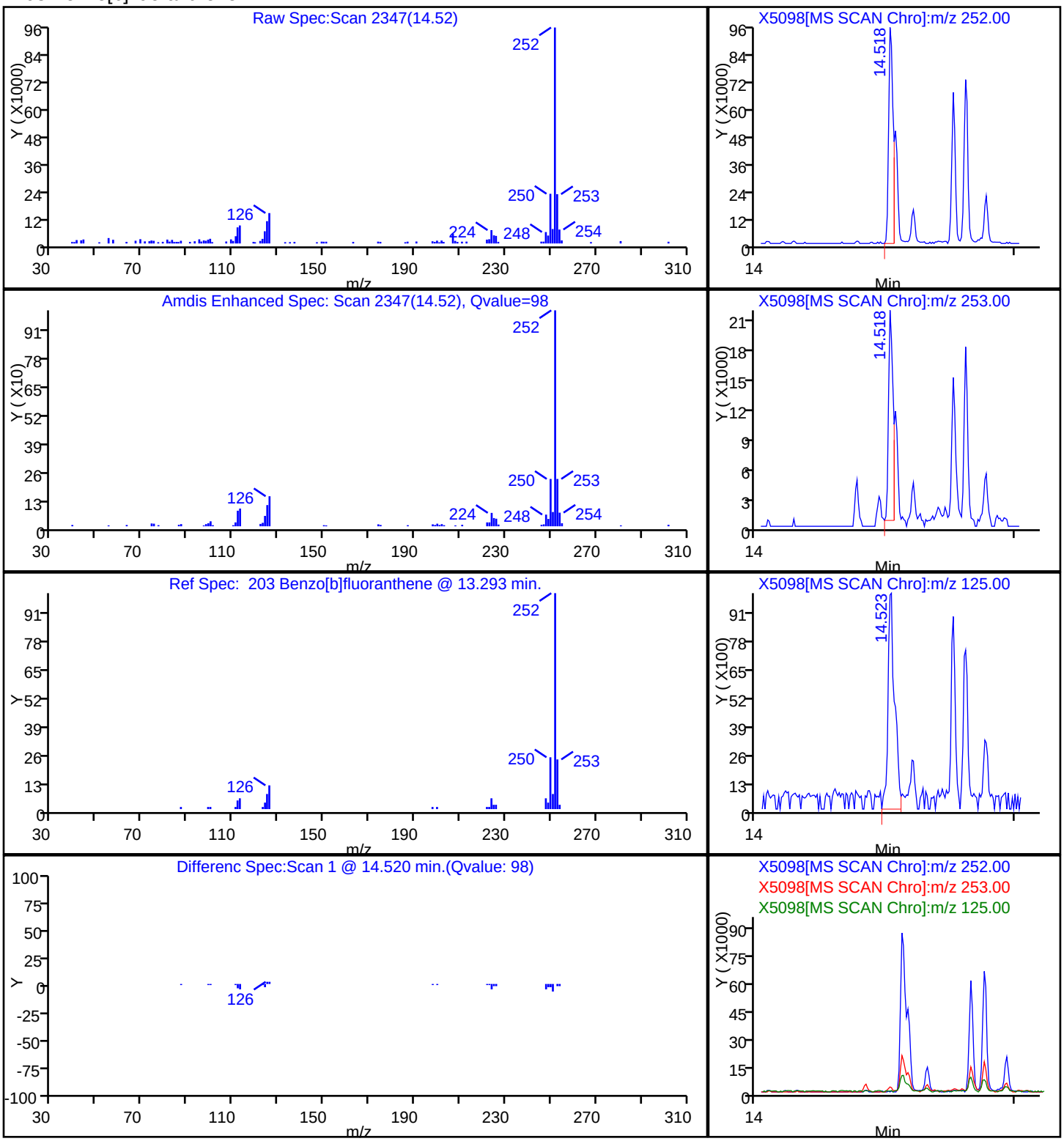


Report Date: 10-Apr-2012 10:51:12 Chrom Revision: 2.0 20-Feb-2012 13:27:02

Data File: \\Bufchrom\ChromData\HP5973X\20120409-10842.b\X5098.D

Injection Date:	09-Apr-2012 20:38:30	Limit Group:	MB - 8270C ICAL
Client ID:	RB-06 (12"-24")	Instrument ID:	HP5973X
Lims Batch ID:	58786	Lims Sample ID:	11
Operator ID:	RMM	Injection Vol:	1.00 ul
Column Type:	RXI-5Sil MS	Column Dia:	0.25 mm

203 Benzo[b]fluoranthene

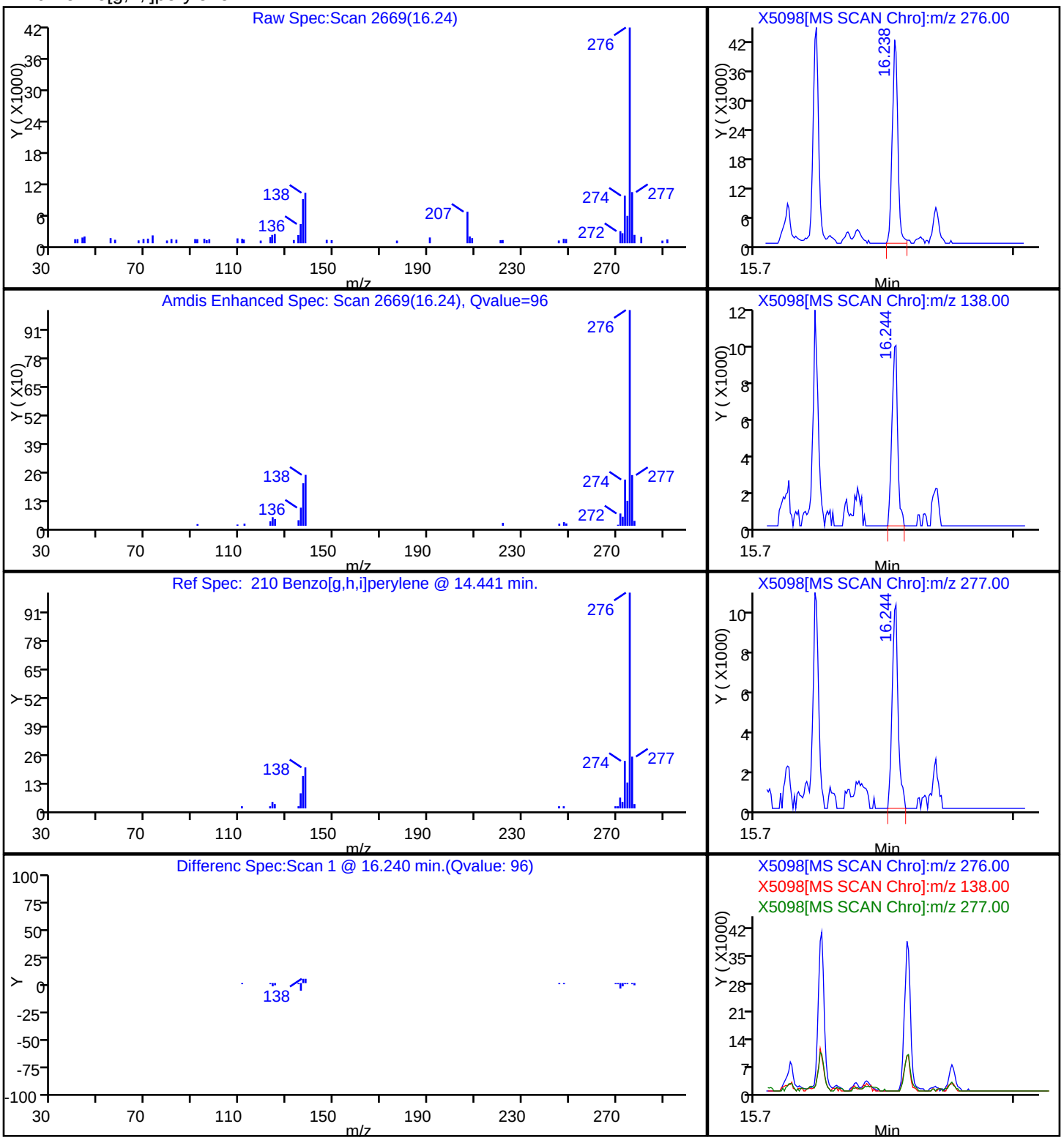


Report Date: 10-Apr-2012 10:51:12 Chrom Revision: 2.0 20-Feb-2012 13:27:02

Data File: \\Bufchrom\ChromData\HP5973X\20120409-10842.b\X5098.D

Injection Date:	09-Apr-2012 20:38:30	Limit Group:	MB - 8270C ICAL
Client ID:	RB-06 (12"-24")	Instrument ID:	HP5973X
Lims Batch ID:	58786	Lims Sample ID:	11
Operator ID:	RMM	Injection Vol:	1.00 ul
Column Type:	RXI-5Sil MS	Column Dia:	0.25 mm

210 Benzo[g,h,i]perylene

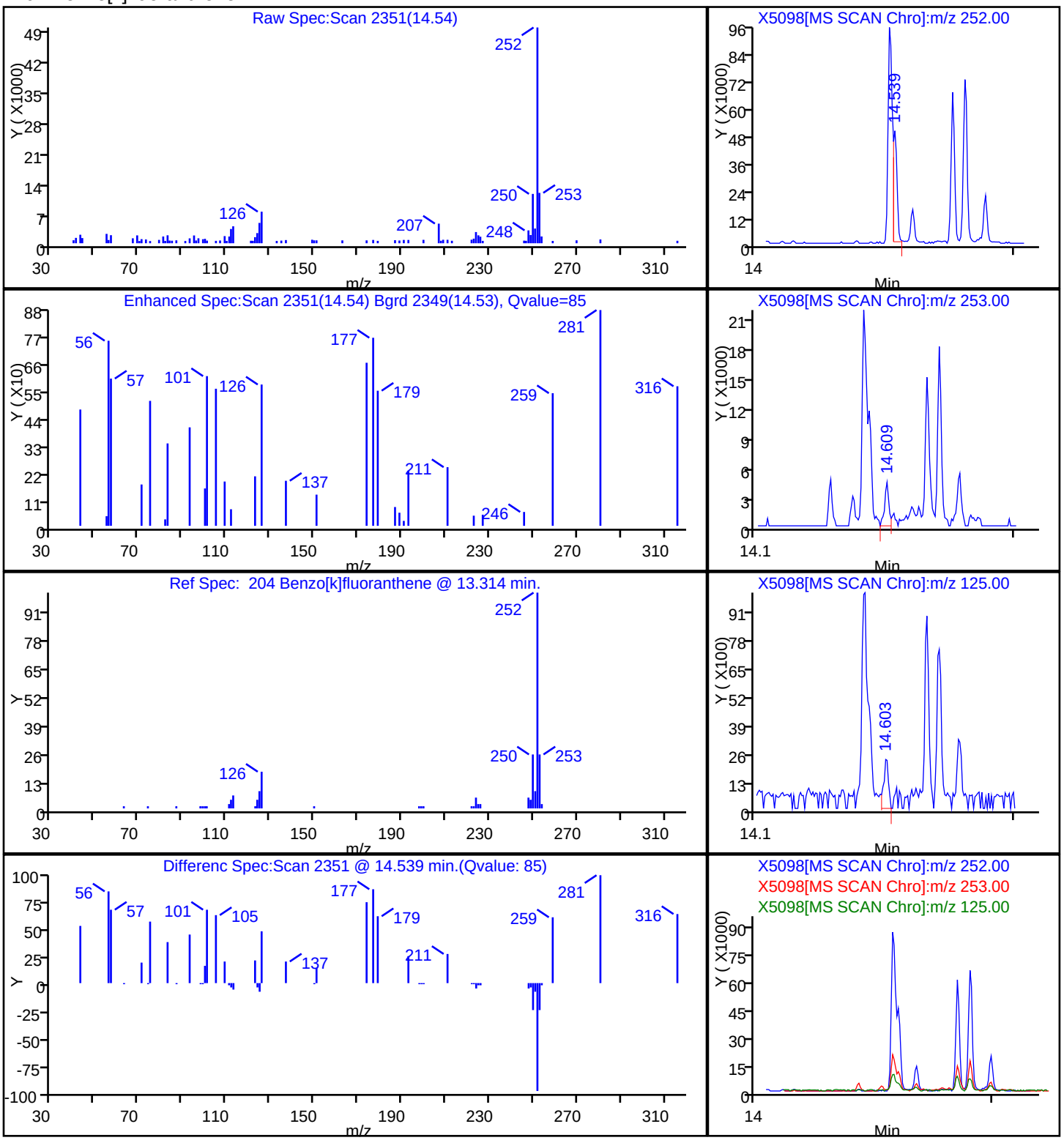


Report Date: 10-Apr-2012 10:51:12 Chrom Revision: 2.0 20-Feb-2012 13:27:02

Data File: \\Bufchrom\ChromData\HP5973X\20120409-10842.b\X5098.D

Injection Date:	09-Apr-2012 20:38:30	Limit Group:	MB - 8270C ICAL
Client ID:	RB-06 (12"-24")	Instrument ID:	HP5973X
Lims Batch ID:	58786	Lims Sample ID:	11
Operator ID:	RMM	Injection Vol:	1.00 ul
Column Type:	RXI-5Sil MS	Column Dia:	0.25 mm

204 Benzo[k]fluoranthene

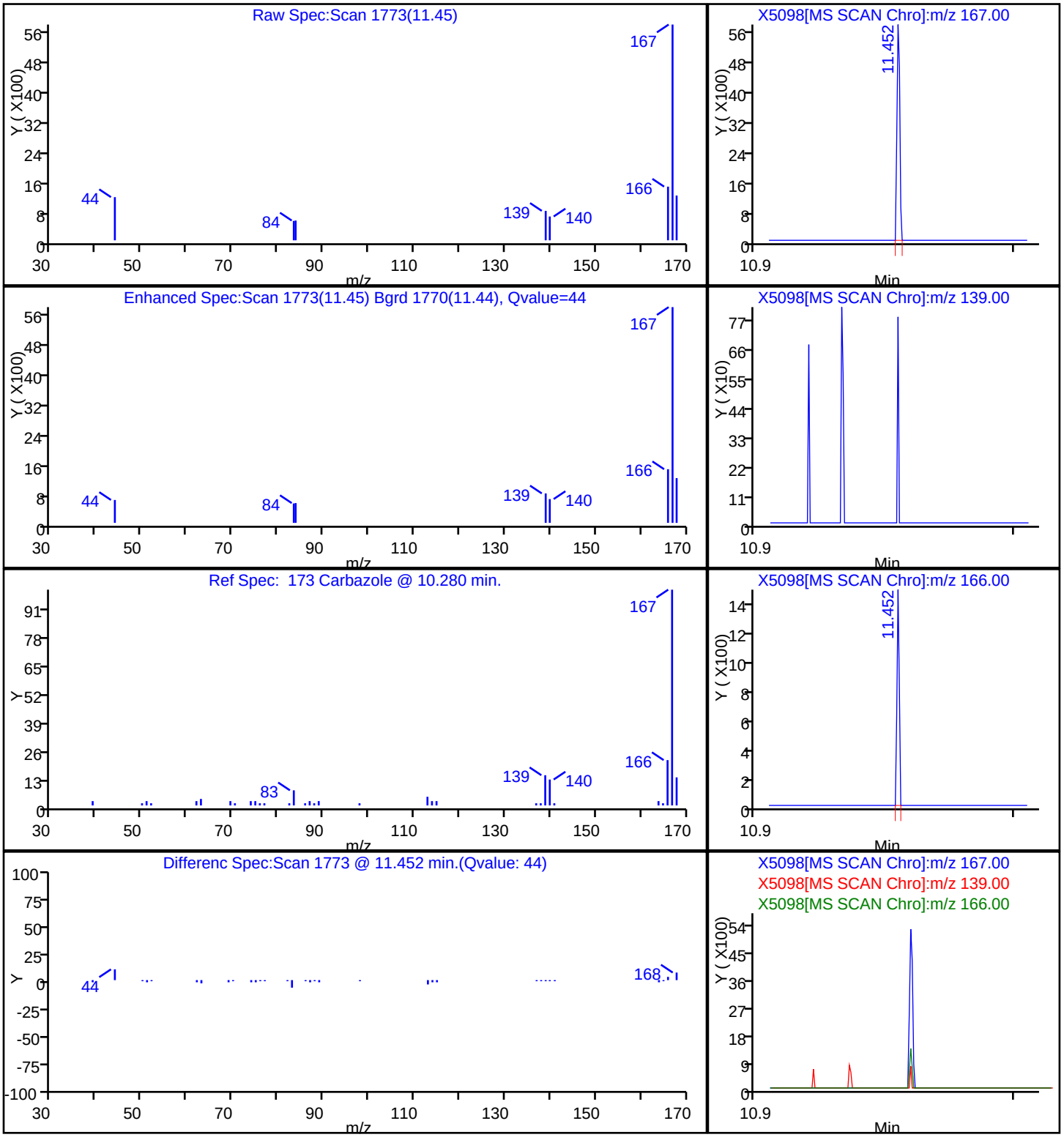


Report Date: 10-Apr-2012 10:51:12 Chrom Revision: 2.0 20-Feb-2012 13:27:02

Data File: \\Bufchrom\ChromData\HP5973X\20120409-10842.b\X5098.D

Injection Date:	09-Apr-2012 20:38:30	Limit Group:	MB - 8270C ICAL
Client ID:	RB-06 (12"-24")	Instrument ID:	HP5973X
Lims Batch ID:	58786	Lims Sample ID:	11
Operator ID:	RMM	Injection Vol:	1.00 ul
Column Type:	RXI-5Sil MS	Column Dia:	0.25 mm

173 Carbazole

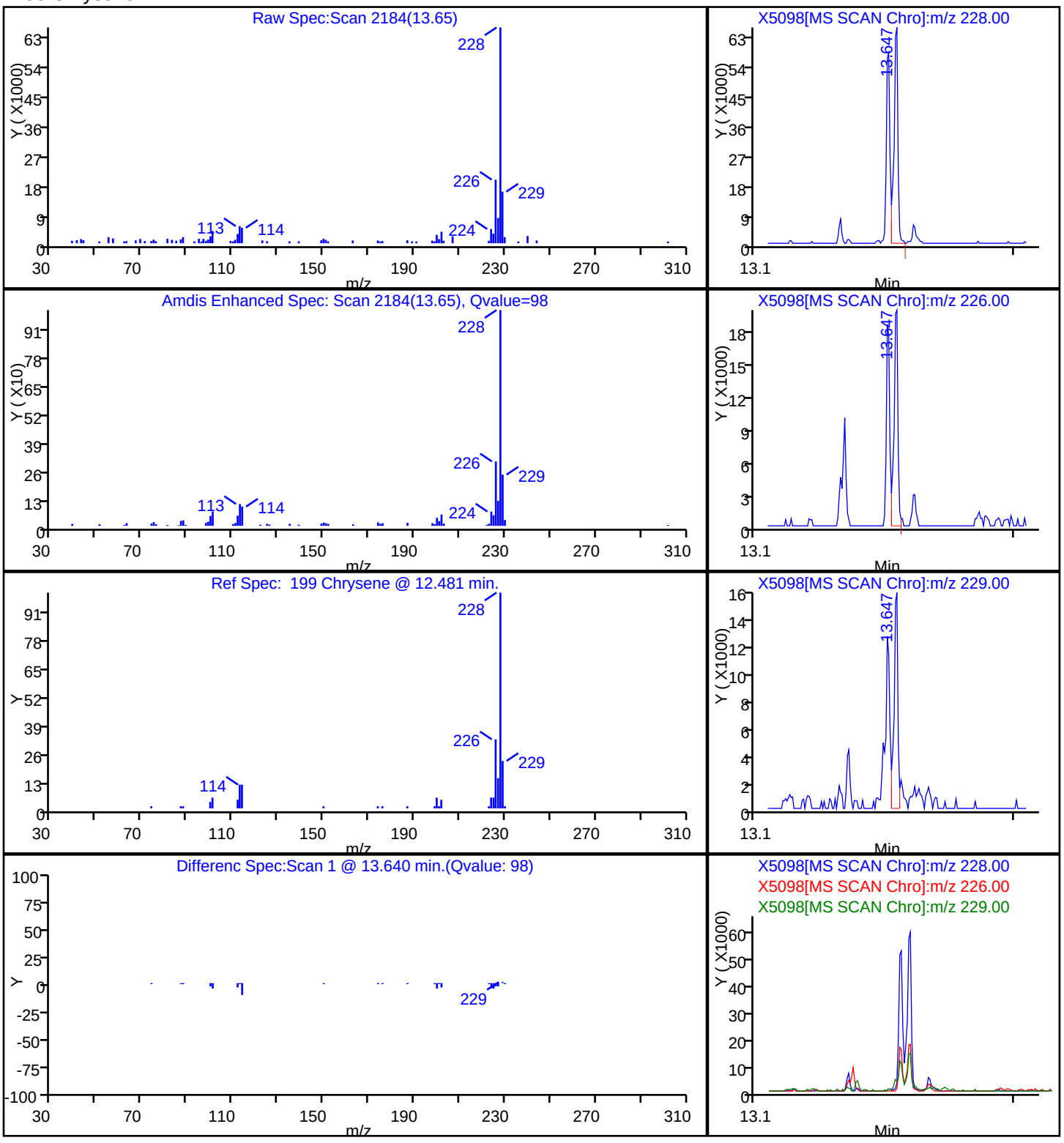


Report Date: 10-Apr-2012 10:51:12 Chrom Revision: 2.0 20-Feb-2012 13:27:02

Data File: \\Bufchrom\ChromData\HP5973X\20120409-10842.b\X5098.D

Injection Date:	09-Apr-2012 20:38:30	Limit Group:	MB - 8270C ICAL
Client ID:	RB-06 (12"-24")	Instrument ID:	HP5973X
Lims Batch ID:	58786	Lims Sample ID:	11
Operator ID:	RMM	Injection Vol:	1.00 ul
Column Type:	RXI-5Sil MS	Column Dia:	0.25 mm

199 Chrysene

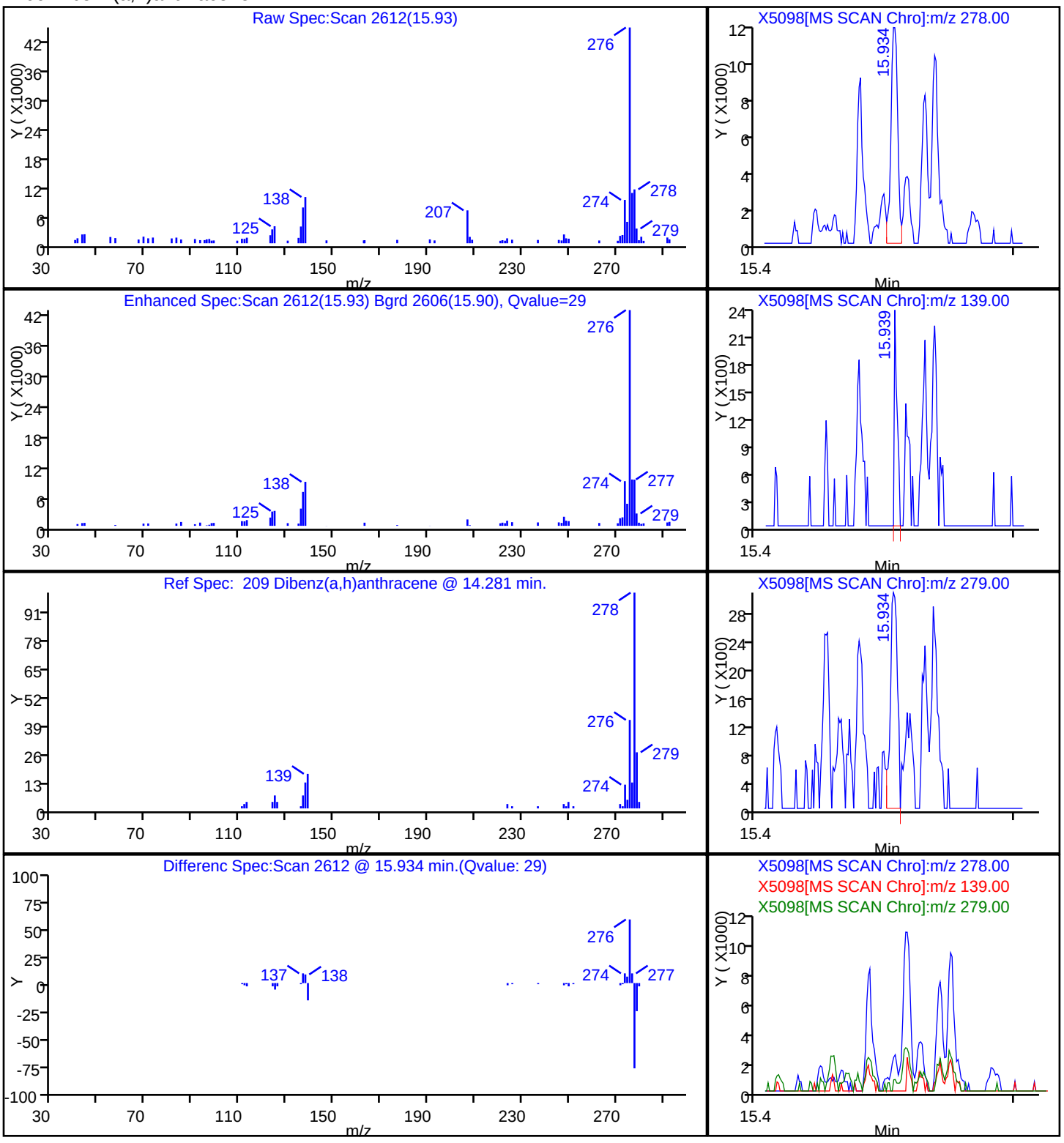


Report Date: 10-Apr-2012 10:51:12 Chrom Revision: 2.0 20-Feb-2012 13:27:02

Data File: \\Bufchrom\ChromData\HP5973X\20120409-10842.b\X5098.D

Injection Date:	09-Apr-2012 20:38:30	Limit Group:	MB - 8270C ICAL
Client ID:	RB-06 (12"-24")	Instrument ID:	HP5973X
Lims Batch ID:	58786	Lims Sample ID:	11
Operator ID:	RMM	Injection Vol:	1.00 ul
Column Type:	RXI-5Sil MS	Column Dia:	0.25 mm

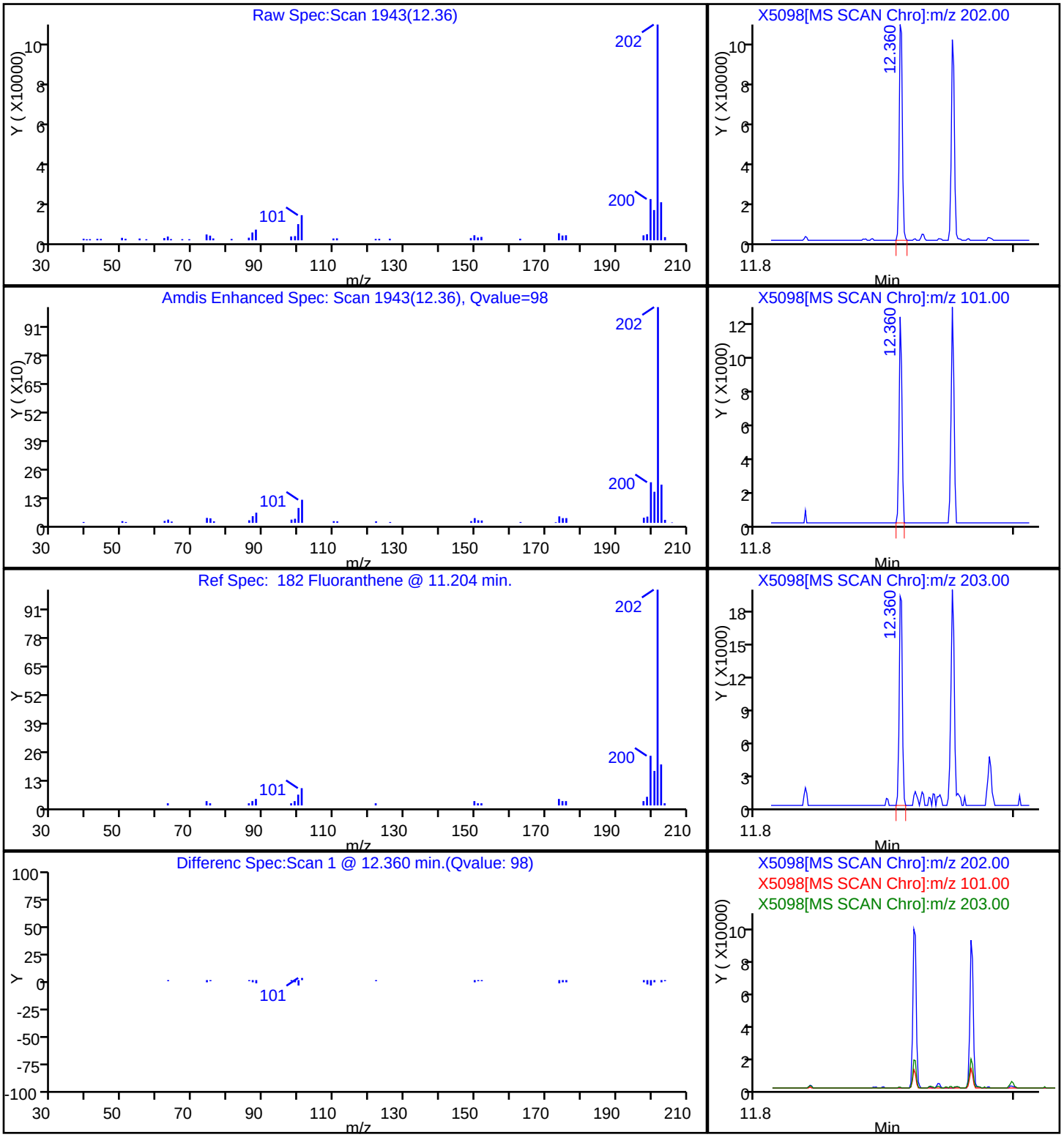
209 Dibenz(a,h)anthracene



Report Date: 10-Apr-2012 10:51:12 Chrom Revision: 2.0 20-Feb-2012 13:27:02

Data File:	\\Bufchrom\ChromData\HP5973X\20120409-10842.b\X5098.D		
Injection Date:	09-Apr-2012 20:38:30	Limit Group:	MB - 8270C ICAL
Client ID:	RB-06 (12"-24")	Instrument ID:	HP5973X
Lims Batch ID:	58786	Lims Sample ID:	11
Operator ID:	RMM	Injection Vol:	1.00 ul
Column Type:	RXI-5Sil MS	Column Dia:	0.25 mm

182 Fluoranthene

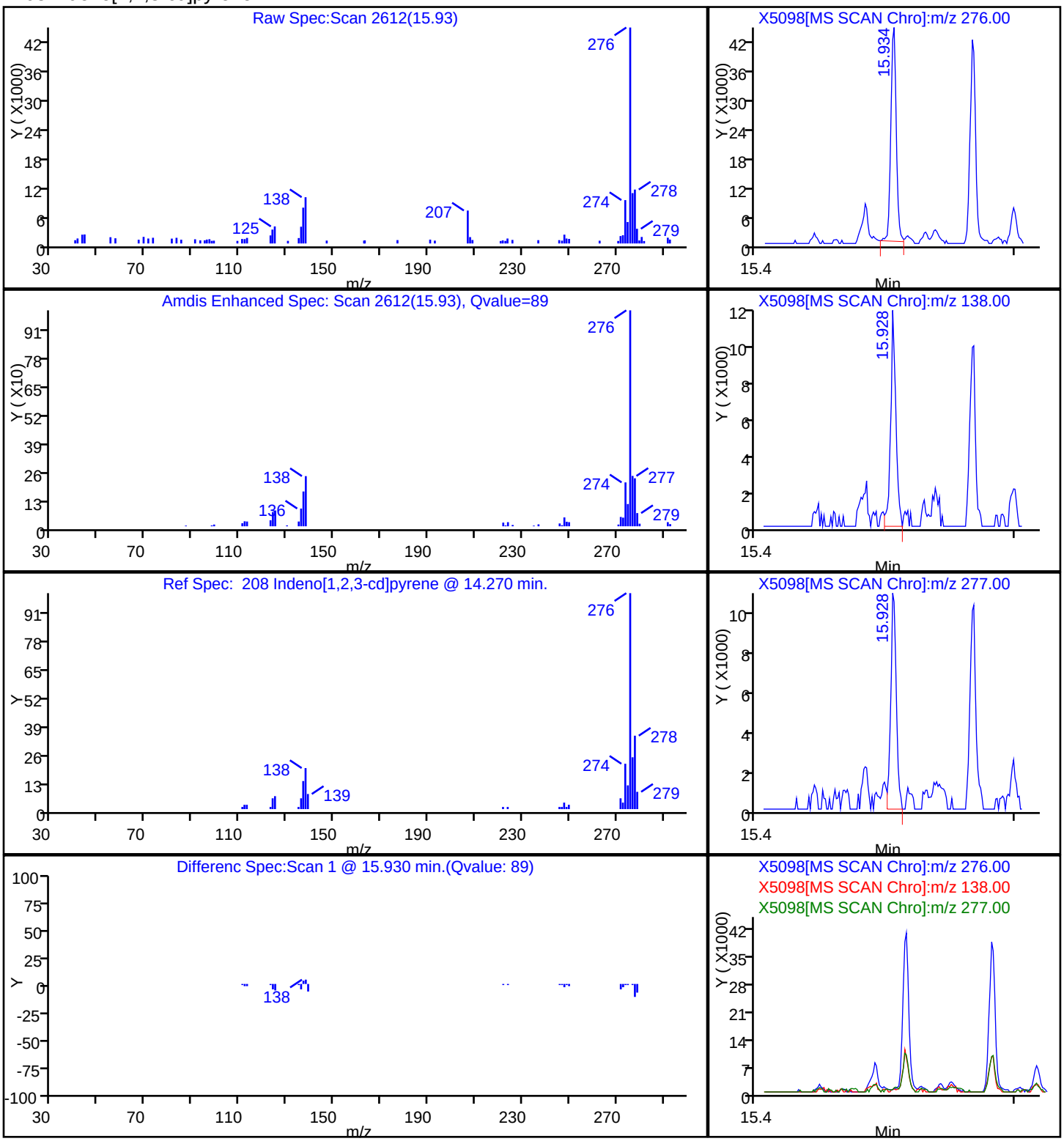


Report Date: 10-Apr-2012 10:51:12 Chrom Revision: 2.0 20-Feb-2012 13:27:02

Data File: \\Bufchrom\ChromData\HP5973X\20120409-10842.b\X5098.D

Injection Date:	09-Apr-2012 20:38:30	Limit Group:	MB - 8270C ICAL
Client ID:	RB-06 (12"-24")	Instrument ID:	HP5973X
Lims Batch ID:	58786	Lims Sample ID:	11
Operator ID:	RMM	Injection Vol:	1.00 ul
Column Type:	RXI-5Sil MS	Column Dia:	0.25 mm

208 Indeno[1,2,3-cd]pyrene

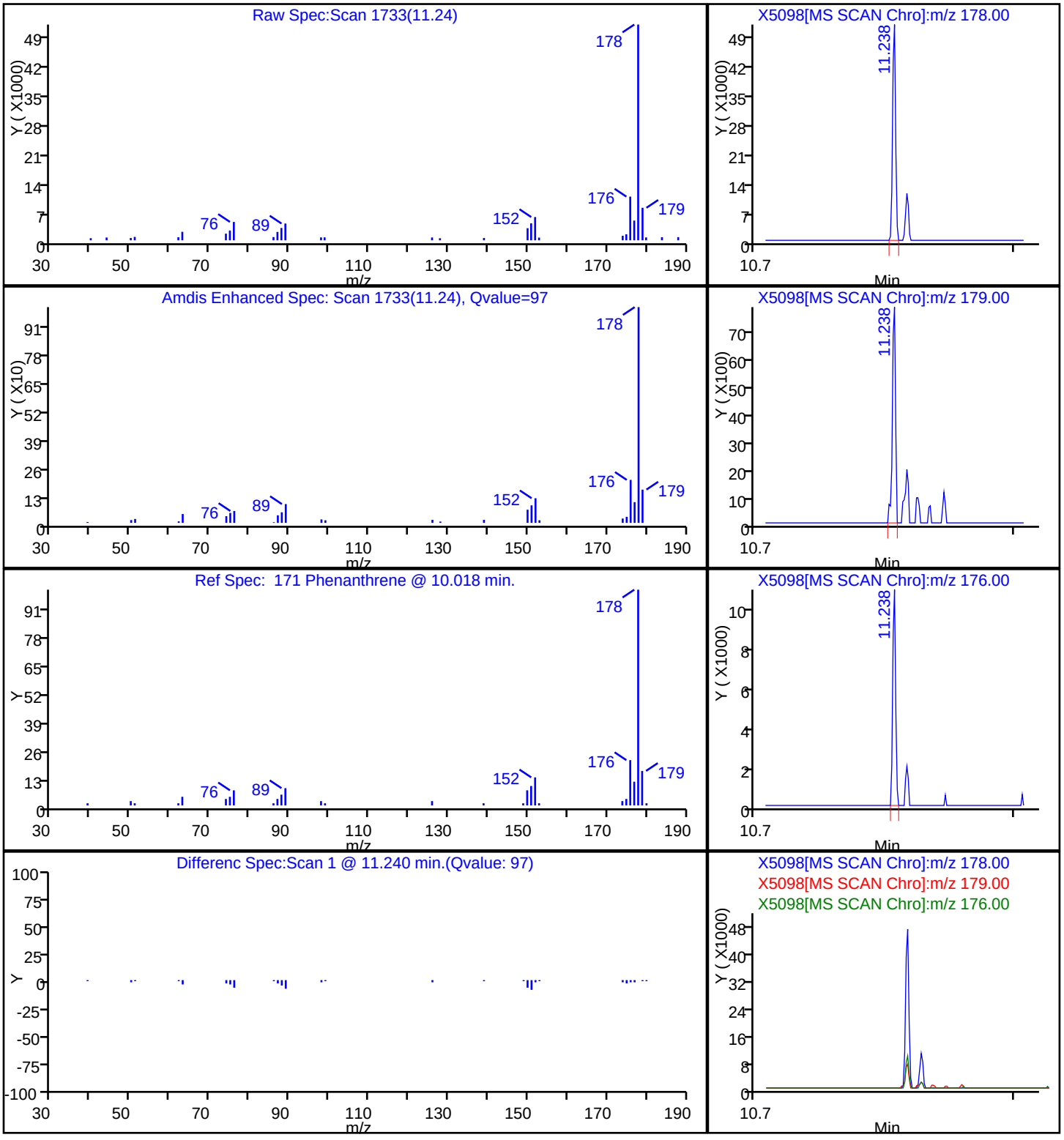


Report Date: 10-Apr-2012 10:51:12 Chrom Revision: 2.0 20-Feb-2012 13:27:02

Data File: \\Bufchrom\ChromData\HP5973X\20120409-10842.b\X5098.D

Injection Date:	09-Apr-2012 20:38:30	Limit Group:	MB - 8270C ICAL
Client ID:	RB-06 (12"-24")	Instrument ID:	HP5973X
Lims Batch ID:	58786	Lims Sample ID:	11
Operator ID:	RMM	Injection Vol:	1.00 ul
Column Type:	RXI-5Sil MS	Column Dia:	0.25 mm

171 Phenanthrene

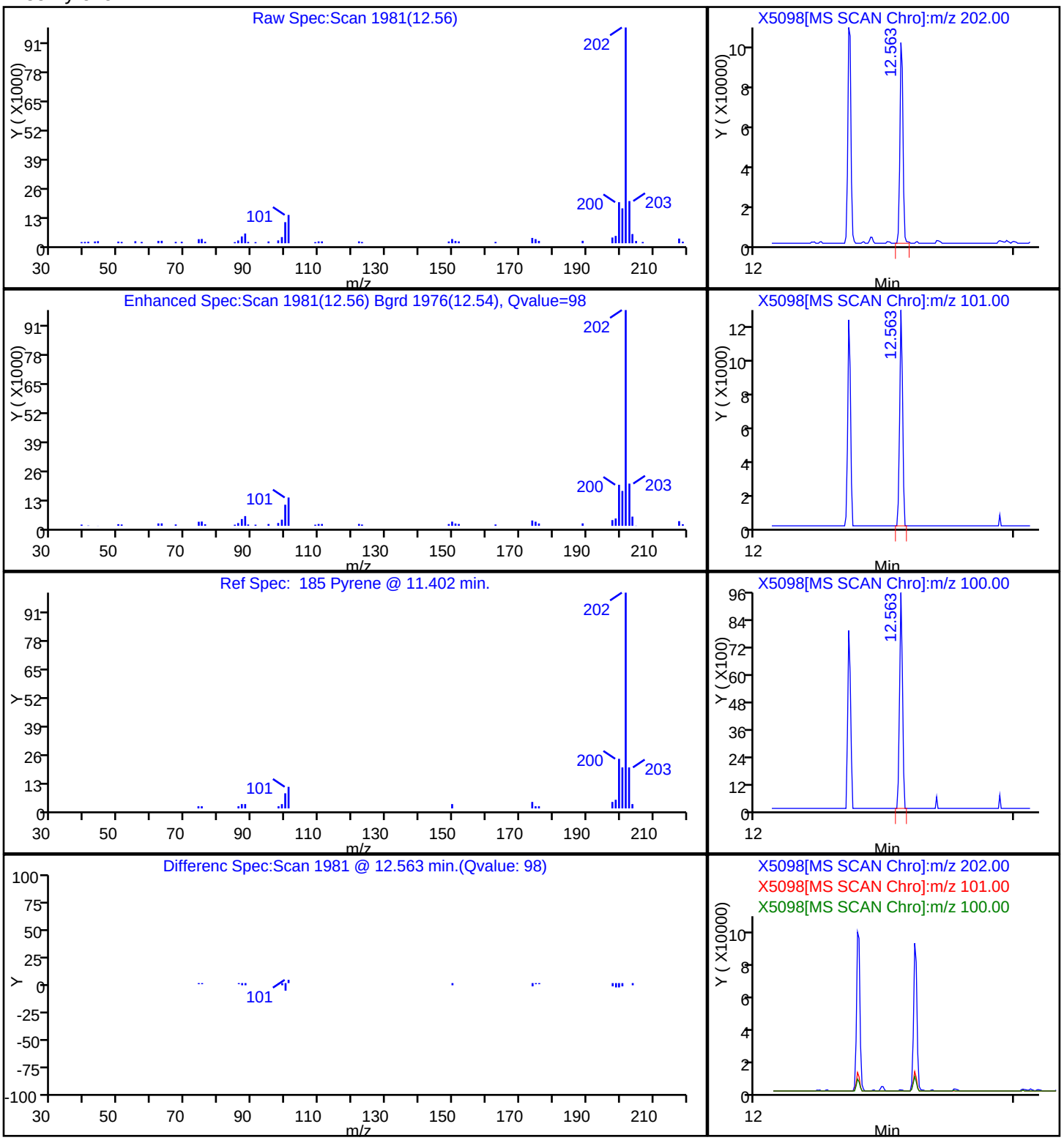


Report Date: 10-Apr-2012 10:51:12 Chrom Revision: 2.0 20-Feb-2012 13:27:02

Data File: \\Bufchrom\ChromData\HP5973X\20120409-10842.b\X5098.D

Injection Date:	09-Apr-2012 20:38:30	Limit Group:	MB - 8270C ICAL
Client ID:	RB-06 (12"-24")	Instrument ID:	HP5973X
Lims Batch ID:	58786	Lims Sample ID:	11
Operator ID:	RMM	Injection Vol:	1.00 ul
Column Type:	RXI-5Sil MS	Column Dia:	0.25 mm

185 Pyrene



Report Date: 10-Apr-2012 10:51:12 Chrom Revision: 2.0 20-Feb-2012 13:27:02

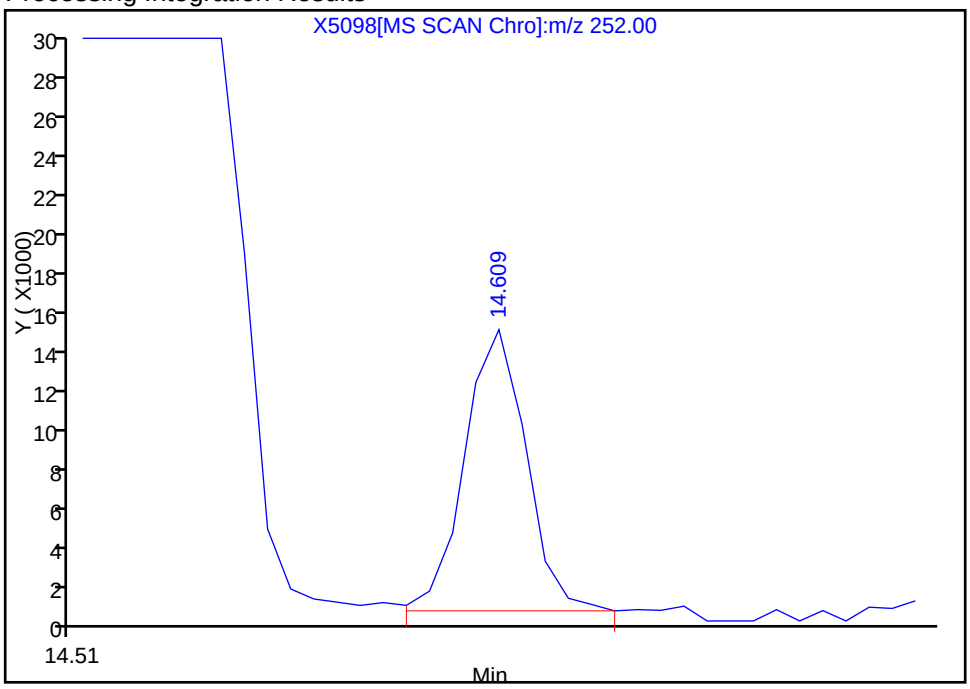
Manual Integration/User Assign Peak Report

Data File:	\\Bufchrom\ChromData\HP5973X\20120409-10842.b\X5098.D		
Injection Date:	09-Apr-2012 20:38:30	Limit Group:	MB - 8270C ICAL
Client ID:	RB-06 (12"-24")	Instrument ID:	HP5973X
Lims Batch ID:	58786	Lims Sample ID:	11
Operator ID:	RMM	Injection Vol:	1.00 ul
Column Type:	RXI-5Sil MS	Column Dia:	0.25 mm

204 Benzo[k]fluoranthene, Signal: 1, m/z: 252.0 Type: quant, RT: 14.55

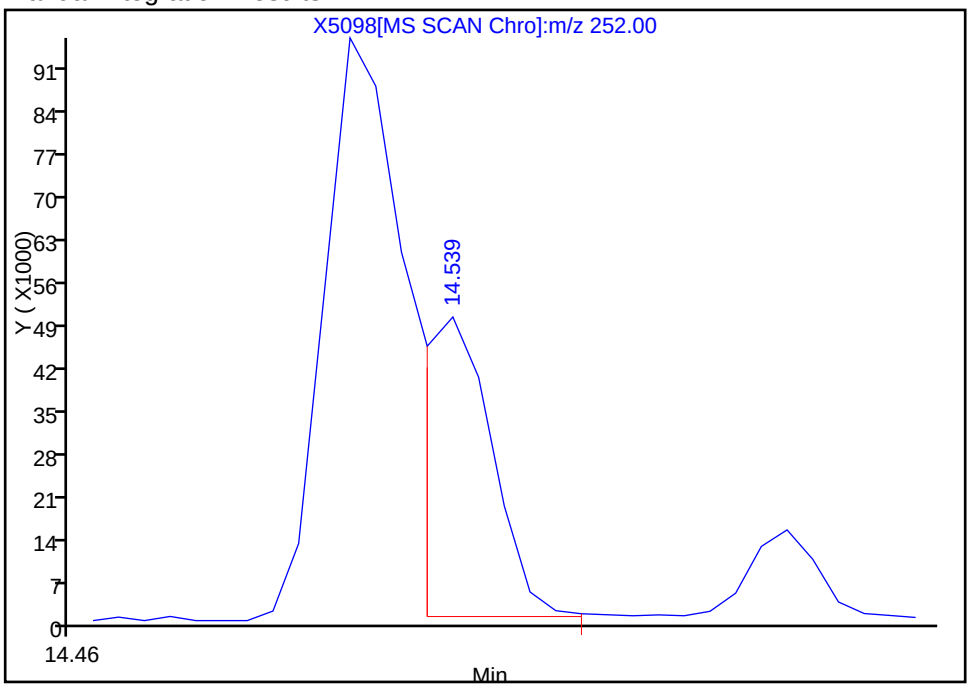
Processing Integration Results

RT: 14.61
Response: 14147
Amount: 1.074598



Manual Integration Results

RT: 14.54
Response: 49867
Amount: 3.787870



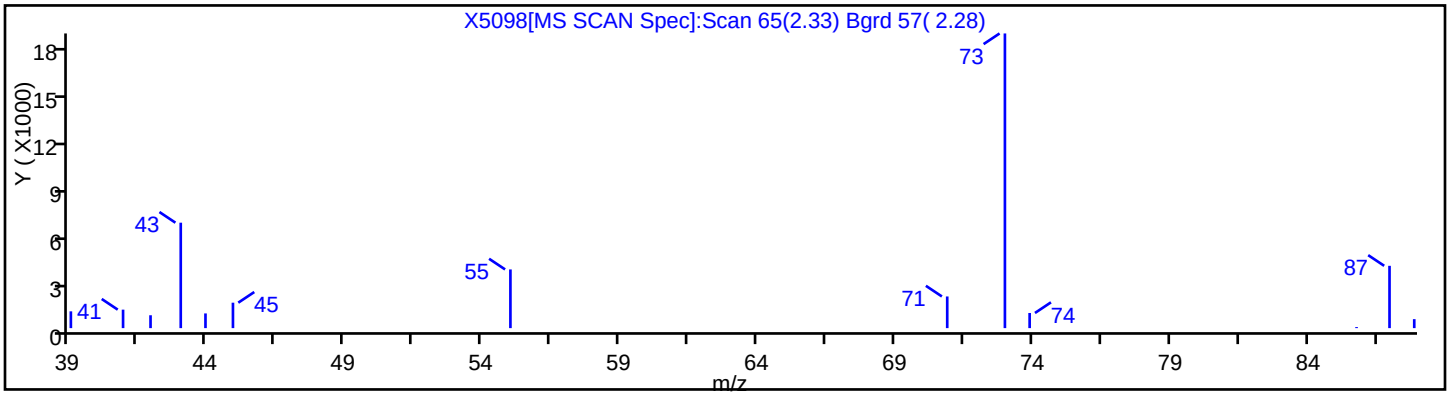
Reviewer: mckernar, 10-Apr-2012 10:51:12
Audit Action: Manually Integrated
Audit Reason: Assign Peak

Report Date: 10-Apr-2012 10:51:12 Chrom Revision: 2.0 20-Feb-2012 13:27:02

Data File: \\Bufchrom\ChromData\HP5973X\20120409-10842.b\X5098.D

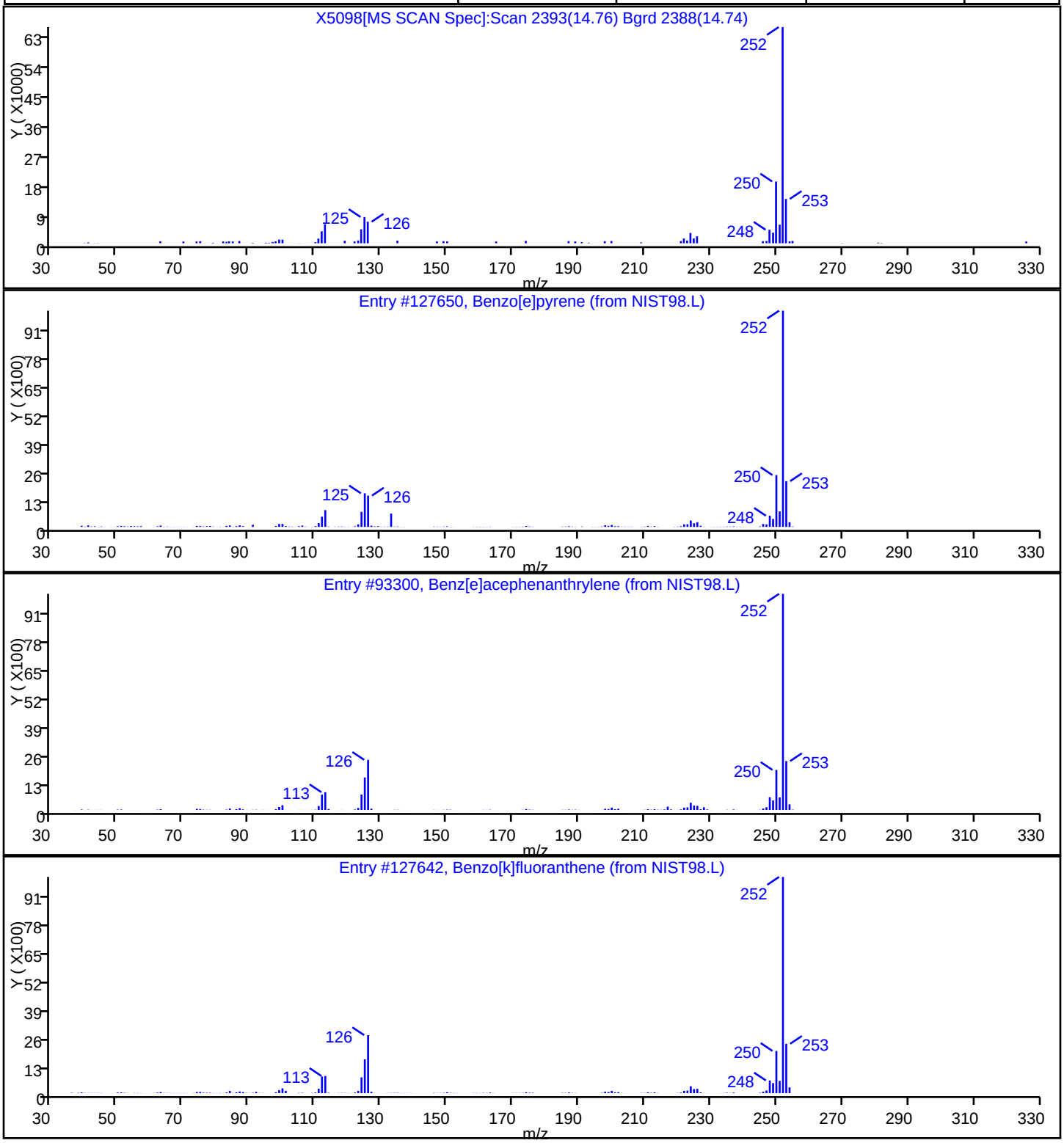
Injection Date:	09-Apr-2012 20:38:30	Limit Group:	MB - 8270C ICAL
Client ID:	RB-06 (12"-24")	Instrument ID:	HP5973X
Lims Batch ID:	58786	Lims Sample ID:	11
Operator ID:	RMM	Injection Vol:	1.00 ul
Column Type:	RXI-5Sil MS	Column Dia:	0.25 mm

No Library Matches Found above the Threshold: 85



Report Date: 10-Apr-2012 10:51:12 Chrom Revision: 2.0 20-Feb-2012 13:27:02
Data File: \\Bufchrom\ChromData\HP5973X\20120409-10842.b\X5098.D
Injection Date: 09-Apr-2012 20:38:30 Limit Group: MB - 8270C ICAL
Client ID: RB-06 (12"-24") Instrument ID: HP5973X
Lims Batch ID: 58786 Lims Sample ID: 11
Operator ID: RMM Injection Vol: 1.00 ul
Column Type: RXI-5Sil MS Column Dia: 0.25 mm

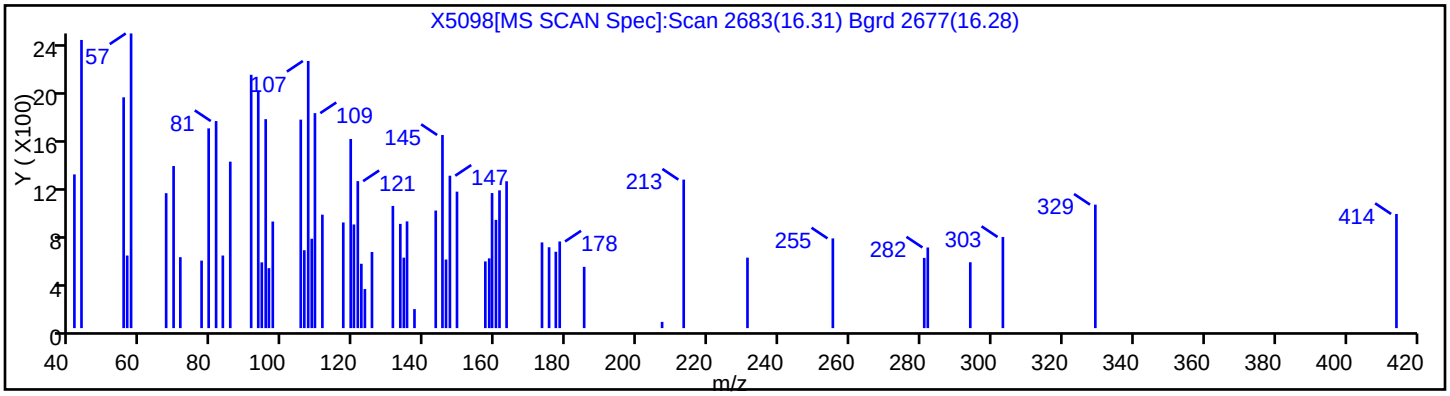
Library Search Compound Match	CAS Number	Library	Entry	Quality
Benzo[e]pyrene	192-97-2	NIST98.L	127650	93
Benz[e]acephenanthrylene	205-99-2	NIST98.L	93300	93
Benzo[k]fluoranthene	207-8-9	NIST98.L	127642	93



Report Date: 10-Apr-2012 10:51:12 Chrom Revision: 2.0 20-Feb-2012 13:27:02

Data File:	\\Bufchrom\ChromData\HP5973X\20120409-10842.b\X5098.D		
Injection Date:	09-Apr-2012 20:38:30	Limit Group:	MB - 8270C ICAL
Client ID:	RB-06 (12"-24")	Instrument ID:	HP5973X
Lims Batch ID:	58786	Lims Sample ID:	11
Operator ID:	RMM	Injection Vol:	1.00 ul
Column Type:	RXI-5Sil MS	Column Dia:	0.25 mm

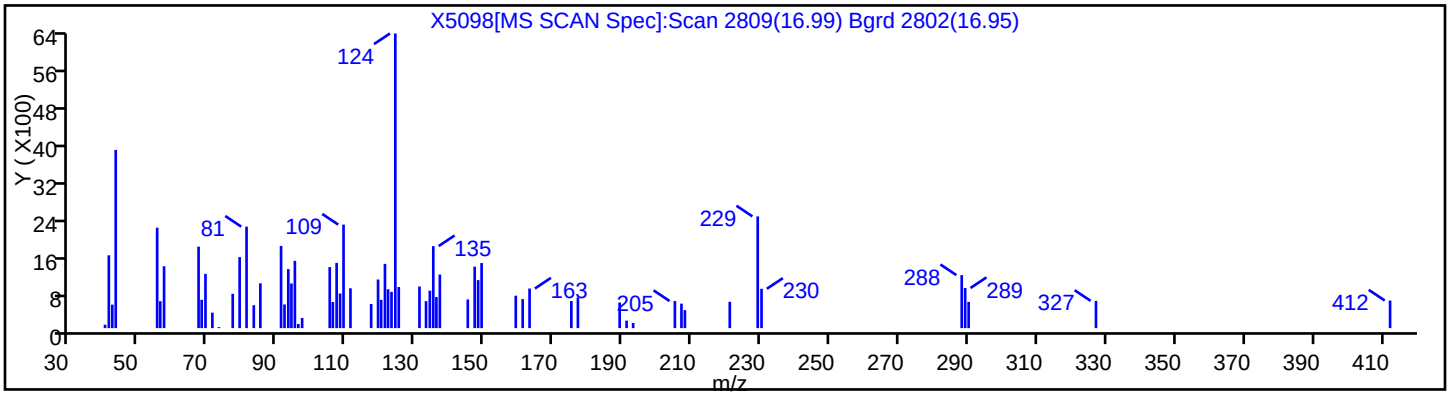
No Library Matches Found above the Threshold: 85



Report Date: 10-Apr-2012 10:51:12 Chrom Revision: 2.0 20-Feb-2012 13:27:02

Data File:	\\Bufchrom\ChromData\HP5973X\20120409-10842.b\X5098.D		
Injection Date:	09-Apr-2012 20:38:30	Limit Group:	MB - 8270C ICAL
Client ID:	RB-06 (12"-24")	Instrument ID:	HP5973X
Lims Batch ID:	58786	Lims Sample ID:	11
Operator ID:	RMM	Injection Vol:	1.00 ul
Column Type:	RXI-5Sil MS	Column Dia:	0.25 mm

No Library Matches Found above the Threshold: 85



FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Buffalo | Job No.: 480-18068-1

SDG No.:

Client Sample ID: SB-A1 (15'-15'8") | Lab Sample ID: 480-18068-13

Matrix: Solid | Lab File ID: X5099.D

Analysis Method: 8270C | Date Collected: 04/03/2012 09:05

Extract. Method: 3550B | Date Extracted: 04/05/2012 10:44

Sample wt/vol: +30.92(g) | Date Analyzed: 04/09/2012 21:02

Con. Extract Vol.: 1(mL) | Dilution Factor: 20

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

% Moisture: 17.4 | GPC Cleanup:(Y/N) N

Analysis Batch No.: 58786 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
95-95-4	2,4,5-Trichlorophenol	ND		4000	860
88-06-2	2,4,6-Trichlorophenol	ND		4000	260
120-83-2	2,4-Dichlorophenol	ND		4000	210
105-67-9	2,4-Dimethylphenol	ND		4000	1100
51-28-5	2,4-Dinitrophenol	ND		7800	1400
121-14-2	2,4-Dinitrotoluene	ND		4000	610
606-20-2	2,6-Dinitrotoluene	ND		4000	970
91-58-7	2-Chloronaphthalene	ND		4000	270
95-57-8	2-Chlorophenol	ND		4000	200
91-57-6	2-Methylnaphthalene	3200	J	4000	48
95-48-7	2-Methylphenol	ND		4000	120
88-74-4	2-Nitroaniline	ND		7800	1300
88-75-5	2-Nitrophenol	ND		4000	180
91-94-1	3,3'-Dichlorobenzidine	ND		4000	3500
99-09-2	3-Nitroaniline	ND		7800	910
534-52-1	4,6-Dinitro-2-methylphenol	ND		7800	1400
101-55-3	4-Bromophenyl phenyl ether	ND		4000	1300
59-50-7	4-Chloro-3-methylphenol	ND		4000	160
106-47-8	4-Chloroaniline	ND		4000	1200
7005-72-3	4-Chlorophenyl phenyl ether	ND		4000	85
106-44-5	4-Methylphenol	ND		7800	220
100-01-6	4-Nitroaniline	ND		7800	440
100-02-7	4-Nitrophenol	ND	*	7800	960
83-32-9	Acenaphthene	4600		4000	47
208-96-8	Acenaphthylene	770	J	4000	32
98-86-2	Acetophenone	ND		4000	200
120-12-7	Anthracene	8300		4000	100
1912-24-9	Atrazine	ND	*	4000	180
100-52-7	Benzaldehyde	ND		4000	430
56-55-3	Benzo(a)anthracene	14000		4000	68
50-32-8	Benzo(a)pyrene	14000		4000	96
205-99-2	Benzo(b)fluoranthene	17000		4000	77
191-24-2	Benzo(g,h,i)perylene	8800		4000	48
207-08-9	Benzo(k)fluoranthene	5700		4000	44

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Buffalo | Job No.: 480-18068-1

SDG No.:

Client Sample ID: SB-A1 (15'-15'8") | Lab Sample ID: 480-18068-13

Matrix: Solid | Lab File ID: X5099.D

Analysis Method: 8270C | Date Collected: 04/03/2012 09:05

Extract. Method: 3550B | Date Extracted: 04/05/2012 10:44

Sample wt/vol: +30.92(g) | Date Analyzed: 04/09/2012 21:02

Con. Extract Vol.: 1(mL) | Dilution Factor: 20

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

% Moisture: 17.4 | GPC Cleanup:(Y/N) N

Analysis Batch No.: 58786 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
92-52-4	Biphenyl	740	J	4000	250
108-60-1	bis (2-chloroisopropyl) ether	ND		4000	410
111-91-1	Bis(2-chloroethoxy)methane	ND		4000	220
111-44-4	Bis(2-chloroethyl)ether	ND		4000	340
117-81-7	Bis(2-ethylhexyl) phthalate	ND		4000	1300
85-68-7	Butyl benzyl phthalate	ND		4000	1100
105-60-2	Caprolactam	ND		4000	1700
86-74-8	Carbazole	3400	J	4000	46
218-01-9	Chrysene	15000		4000	40
53-70-3	Dibenz(a,h)anthracene	2800	J	4000	47
132-64-9	Dibenzofuran	3400	J	4000	41
84-66-2	Diethyl phthalate	ND		4000	120
131-11-3	Dimethyl phthalate	ND		4000	100
84-74-2	Di-n-butyl phthalate	ND		4000	1400
117-84-0	Di-n-octyl phthalate	ND		4000	93
206-44-0	Fluoranthene	30000		4000	57
86-73-7	Fluorene	4900		4000	91
118-74-1	Hexachlorobenzene	ND		4000	200
87-68-3	Hexachlorobutadiene	ND		4000	200
77-47-4	Hexachlorocyclopentadiene	ND		4000	1200
67-72-1	Hexachloroethane	ND		4000	310
193-39-5	Indeno(1,2,3-cd)pyrene	8400		4000	110
78-59-1	Isophorone	ND		4000	200
91-20-3	Naphthalene	6200		4000	66
98-95-3	Nitrobenzene	ND		4000	180
621-64-7	N-Nitrosodi-n-propylamine	ND		4000	310
86-30-6	N-Nitrosodiphenylamine	ND		4000	220
87-86-5	Pentachlorophenol	ND		7800	1400
85-01-8	Phenanthrene	30000		4000	83
108-95-2	Phenol	ND		4000	420
129-00-0	Pyrene	26000		4000	26

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Buffalo | Job No.: 480-18068-1

SDG No.:

Client Sample ID: SB-A1 (15'-15'8") | Lab Sample ID: 480-18068-13

Matrix: Solid | Lab File ID: X5099.D

Analysis Method: 8270C | Date Collected: 04/03/2012 09:05

Extract. Method: 3550B | Date Extracted: 04/05/2012 10:44

Sample wt/vol: +30.92(g) | Date Analyzed: 04/09/2012 21:02

Con. Extract Vol.: 1(mL) | Dilution Factor: 20

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

% Moisture: 17.4 | GPC Cleanup:(Y/N) N

Analysis Batch No.: 58786 | Units: ug/Kg

CAS NO.	SURROGATE	%REC	Q	LIMITS
118-79-6	2,4,6-Tribromophenol	100		39-146
321-60-8	2-Fluorobiphenyl	109		37-120
367-12-4	2-Fluorophenol	85		18-120
4165-60-0	Nitrobenzene-d5	95		34-132
4165-62-2	Phenol-d5	99		11-120
1718-51-0	p-Terphenyl-d14	121		65-153

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

Lab Name: TestAmerica Buffalo | Job No.: 480-18068-1

SDG No.:

Client Sample ID: SB-A1 (15'-15'8") | Lab Sample ID: 480-18068-13

Matrix: Solid | Lab File ID: X5099.D

Analysis Method: 8270C | Date Collected: 04/03/2012 09:05

Extract. Method: 3550B | Date Extracted: 04/05/2012 10:44

Sample wt/vol: +30.92(g) | Date Analyzed: 04/09/2012 21:02

Con. Extract Vol.: 1(mL) | Dilution Factor: 20

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

% Moisture: 17.4 | GPC Cleanup:(Y/N) N

Analysis Batch No.: 58786 | Units: ug/Kg

Number TICs Found: 2 | TIC Result Total: 15300

CAS NO.	COMPOUND NAME	RT	RESULT	Q
	Unknown	11.80	6300	T J
192-97-2	Benzo[e]pyrene	14.76	9000	T J N

TestAmerica Laboratories
Target Compound Quantitation Report

Data File:	\\Bufchrom\ChromData\HP5973X\20120409-10842.b\X5099.D		
Lims ID:	480-18068-A-13-A	Client ID:	SB-A1 (15'-15'8")
Inject. Date:	09-Apr-2012 21:02:30	Dil. Factor:	20.0000
Sample Type:	Client		
Sample ID:	480-0010842-012		
Misc. Info.:			
Operator:	RMM	Instrument ID:	HP5973X
Vol. Injected:	1.0000	ALS Bottle#:	12
Lims Batch ID:	58786	Lims Sample ID:	12
Detector:	MS SCAN		
Method:	\\Bufchrom\ChromData\HP5973X\20120409-10842.b\X-8270.m		
Last Update:	10-Apr-2012 10:49:35	Calib Date:	09-Apr-2012 15:39:30
Quant Method:	Internal Standard	Quant By:	Initial Calibration
Last ICal File:	\\Bufchrom\ChromData\HP5973X\20120409-10830.b\X5085.D		
Limit Group:	MB - 8270C ICAL		
Integrator:	RTE	ID Type:	Deconvolution ID
Process Host:	CORP-CTX-19		
First Level Reviewer: mckernar		Date:	10-Apr-2012 10:52:42

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ng/uL	Flags
* 1 1,4-Dichlorobenzene-d4	152	6.035	6.040	-0.005	97	128461	40.0	
* 2 Naphthalene-d8	136	7.530	7.536	-0.006	93	451961	40.0	
* 3 Acenaphthene-d10	164	9.603	9.603	0.0	55	257304	40.0	
* 4 Phenanthrene-d10	188	11.211	11.211	0.0	99	449617	40.0	
* 5 Chrysene-d12	240	13.620	13.620	0.0	100	422180	40.0	
* 6 Perylene-d12	264	14.865	14.865	0.0	100	522870	40.0	
$ 7 2-Fluorophenol	112	4.469	4.475	-0.006	80	32592	6.41	
$ 8 Phenol-d5	99	5.591	5.602	-0.011	64	44715	7.41	
$ 9 Nitrobenzene-d5	82	6.686	6.697	-0.011	87	24279	4.74	
$ 10 2-Fluorobiphenyl	172	8.812	8.823	-0.011	97	45211	5.43	
$ 11 2,4,6-Tribromophenol	330	10.490	10.501	-0.011	53	6339	7.53	
$ 12 p-Terphenyl-d14	244	12.702	12.707	-0.005	96	54011	6.05	
62 Benzaldehyde	77		5.532					
63 Phenol	94		5.618					
66 Bis(2-chloroethyl)ether	93		5.735					
67 2-Chlorophenol	128		5.789					
73 2-Methylphenol	108		6.339					
74 2,2'-oxybis[1-chloropropane]	45		6.376					
76 Acetophenone	105		6.515					
79 4-Methylphenol	108	6.515	6.515	-0.011	1	1096	0.2675	
78 N-Nitrosodi-n-propylamine	70		6.531					
81 Hexachloroethane	117		6.633					
83 Nitrobenzene	77		6.724					
86 Isophorone	82		7.012					
87 2-Nitrophenol	139		7.098					
89 2,4-Dimethylphenol	107		7.162					
94 Bis(2-chloroethoxy)methane	93		7.279					
97 2,4-Dichlorophenol	162		7.381					
99 Naphthalene	128	7.557	7.573	-0.016	97	87400	7.89	
101 4-Chloroaniline	127		7.648					
104 Hexachlorobutadiene	225		7.723					

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ng/uL	Flags
105 Caprolactam	113		8.038					
110 4-Chloro-3-methylphenol	107		8.214					
113 2-Methylnaphthalene	142	8.374	8.385	-0.011	89	27653	4.05	
116 Hexachlorocyclopentadiene	237		8.567					
118 2,4,6-Trichlorophenol	196		8.716					
119 2,4,5-Trichlorophenol	196		8.754					
123 1,1'-Biphenyl	154	8.930	8.930	0.0	34	8643	0.9491	
124 2-Chloronaphthalene	162		8.951					
125 2-Nitroaniline	65		9.090					
128 Dimethyl phthalate	163		9.320					
130 2,6-Dinitrotoluene	165		9.384					
131 Acenaphthylene	152	9.432	9.443	-0.011	68	11135	0.9893	
132 3-Nitroaniline	138		9.582					
133 Acenaphthene	153	9.641	9.646	-0.005	98	40289	5.91	
134 2,4-Dinitrophenol	184		9.699					
135 4-Nitrophenol	109		9.785					
138 Dibenzofuran	168	9.844	9.849	-0.005	94	42544	4.32	
137 2,4-Dinitrotoluene	165		9.854					
142 Diethyl phthalate	149		10.143					
144 Fluorene	166	10.228	10.239	-0.011	93	50883	6.27	
145 4-Chlorophenyl phenyl ether	204		10.250					
147 4-Nitroaniline	138		10.282					
148 4,6-Dinitro-2-methylphenol	198		10.308					
149 N-Nitrosodiphenylamine	169		10.383					
159 4-Bromophenyl phenyl ether	248		10.773					
160 Hexachlorobenzene	284		10.821					
163 Atrazine	200		10.955					
165 Pentachlorophenol	266		11.030					
171 Phenanthrene	178	11.238	11.238	0.0	99	425096	38.8	
172 Anthracene	178	11.286	11.291	-0.005	99	116932	10.6	
173 Carbazole	167	11.446	11.457	-0.011	98	46816	4.36	
176 Di-n-butyl phthalate	149		11.804					
182 Fluoranthene	202	12.360	12.360	0.0	98	489237	37.7	
185 Pyrene	202	12.563	12.568	-0.005	98	441219	33.0	
192 Butyl benzyl phthalate	149		13.134					
196 3,3'-Dichlorobenzidine	252		13.594					
197 Benzo[a]anthracene	228	13.610	13.615	-0.005	71	224735	17.8	
198 Bis(2-ethylhexyl) phthalate	149		13.626					
199 Chrysene	228	13.642	13.647	-0.005	98	237541	18.8	
201 Di-n-octyl phthalate	149		14.165					
203 Benzo[b]fluoranthene	252	14.518	14.523	-0.005	99	301649	21.6	
204 Benzo[k]fluoranthene	252	14.539	14.539	-0.011	92	107164	7.23	M
206 Benzo[a]pyrene	252	14.812	14.823	-0.011	100	221028	17.9	
208 Indeno[1,2,3-cd]pyrene	276	15.928	15.944	-0.016	90	146610	10.7	
209 Dibenz(a,h)anthracene	278	15.939	15.955	-0.016	50	43240	3.54	
210 Benzo[g,h,i]perylene	276	16.238	16.254	-0.016	98	131650	11.3	

QC Flag Legend

Review Flags
M - Manually Integrated

TestAmerica Laboratories
Tentatively Identified Quantitation Report

Data File:	\\Bufchrom\ChromData\HP5973X\20120409-10842.b\X5099.D		
Lims ID:	480-18068-A-13-A	Client ID:	SB-A1 (15'-15'8")
Inject. Date:	09-Apr-2012 21:02:30	Dil. Factor:	20.0000
Sample Type:	Client		
Sample ID:	480-0010842-012		
Misc. Info.:			
Operator:	RMM	Instrument ID:	HP5973X
Vol. Injected:	1.0000	ALS Bottle#:	12
Lims Batch ID:	58786	Lims Sample ID:	12
Detector:	MS SCAN		
Method:	\\Bufchrom\ChromData\HP5973X\20120409-10842.b\X-8270.m		
Last Update:	10-Apr-2012 10:49:35	Calib Date:	09-Apr-2012 15:39:30
Tic RT Window:	1.500 -0.000	Response:	area
Quant By:	Nearest ISTD	Quant LOD:	10.00000
MS Library:	\\Bufchrom\ChromData\Database\NIST98.L		
Min. Match:	85		
Process Host:	CORP-CTX-19		
First Level Reviewer: mckernar		Date:	10-Apr-2012 10:52:42

Calibrated Tentative Identified Compound Results

Compound	RT	Response	Amount ng/uL	Flags
1-Methylnaphthalene (TIC)	8.374	27653	4.30	
Anthraquinone	12.002	9042		

Tentative Identified Compound Results

RT	Response	Amount ng/uL	Quant Cpnd	Qual	Lib Entry	Flags
	Unknown					
11.804	225438	8.01	4			
192-97-2	Benzo[e]pyrene					
14.764	403190	11.5	6	98	127650	

Quantitation Compounds

Compound	RT	Response	Amount ng/uL
* 4 Phenanthrene-d10	11.211	1125274	40.0
* 6 Perylene-d12	14.865	1402166	40.0

QC Flag Legend

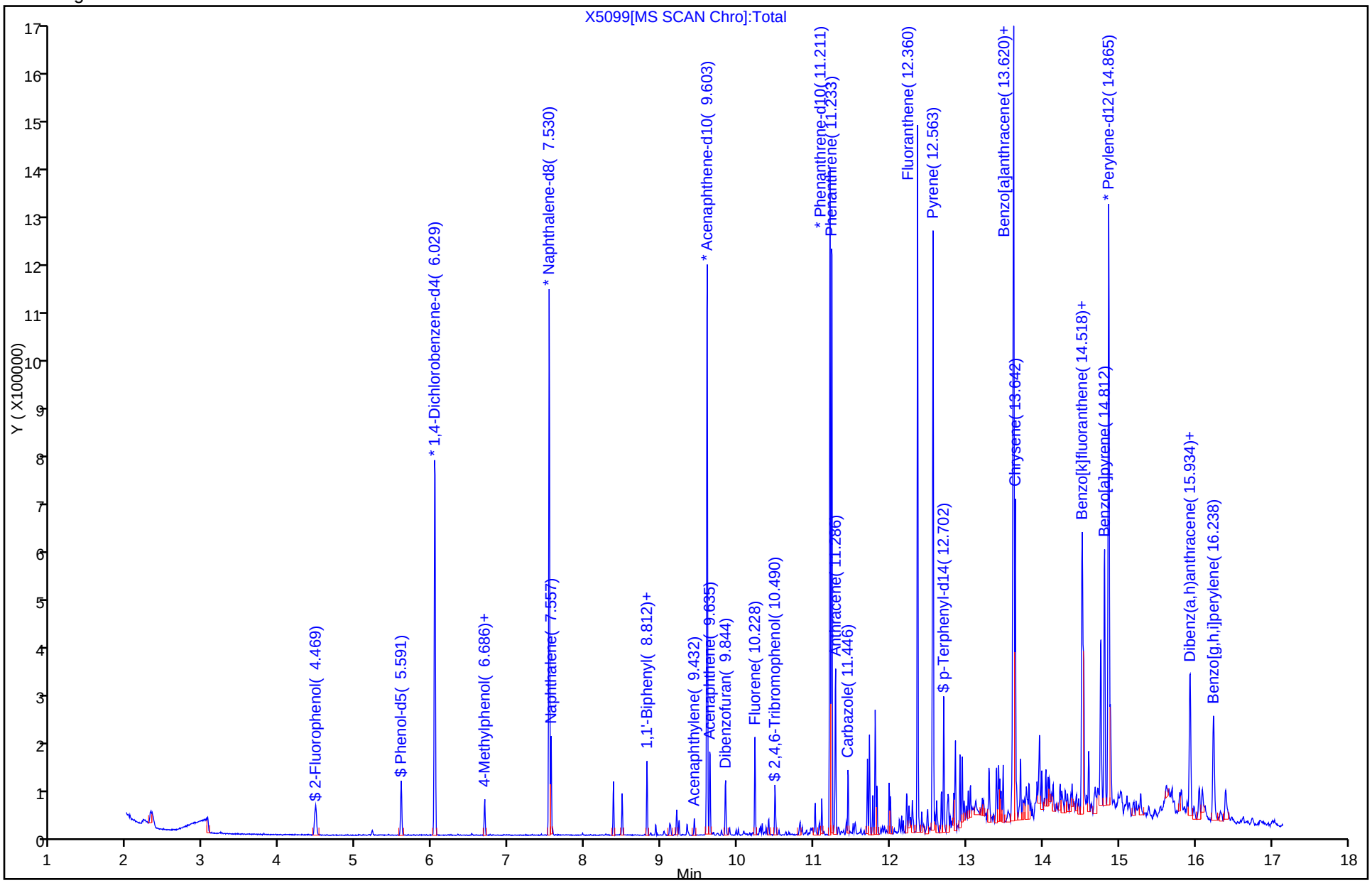
Processing Flags

Report Date: 10-Apr-2012 10:52:42 Chrom Revision: 2.0 20-Feb-2012 13:27:02

Data File: \\Bufchrom\ChromData\HP5973X\20120409-10842.b\X5099.D

Injection Date:	09-Apr-2012 21:02:30	Limit Group:	MB - 8270C ICAL
Client ID:	SB-A1 (15'-15'8")	Instrument ID:	HP5973X
Lims Batch ID:	58786	Lims Sample ID:	12
Operator ID:	RMM	Injection Vol:	1.00 ul
Column Type:	RXI-5Sil MS	Column Dia:	0.25 mm

Y Scaling:

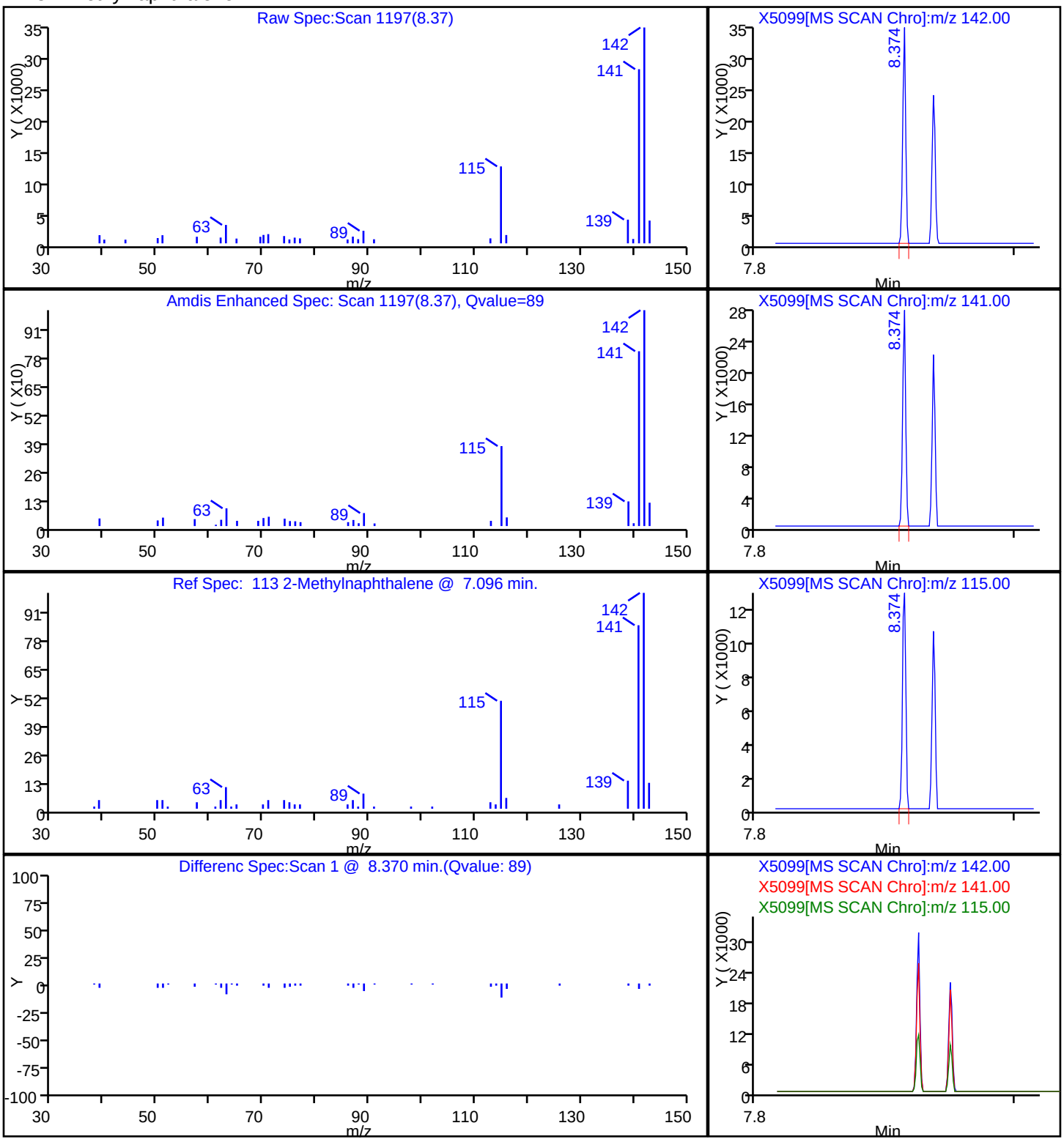


Report Date: 10-Apr-2012 10:52:42 Chrom Revision: 2.0 20-Feb-2012 13:27:02

Data File: \\Bufchrom\ChromData\HP5973X\20120409-10842.b\X5099.D

Injection Date:	09-Apr-2012 21:02:30	Limit Group:	MB - 8270C ICAL
Client ID:	SB-A1 (15'-15'8")	Instrument ID:	HP5973X
Lims Batch ID:	58786	Lims Sample ID:	12
Operator ID:	RMM	Injection Vol:	1.00 ul
Column Type:	RXI-5Sil MS	Column Dia:	0.25 mm

113 2-Methylnaphthalene

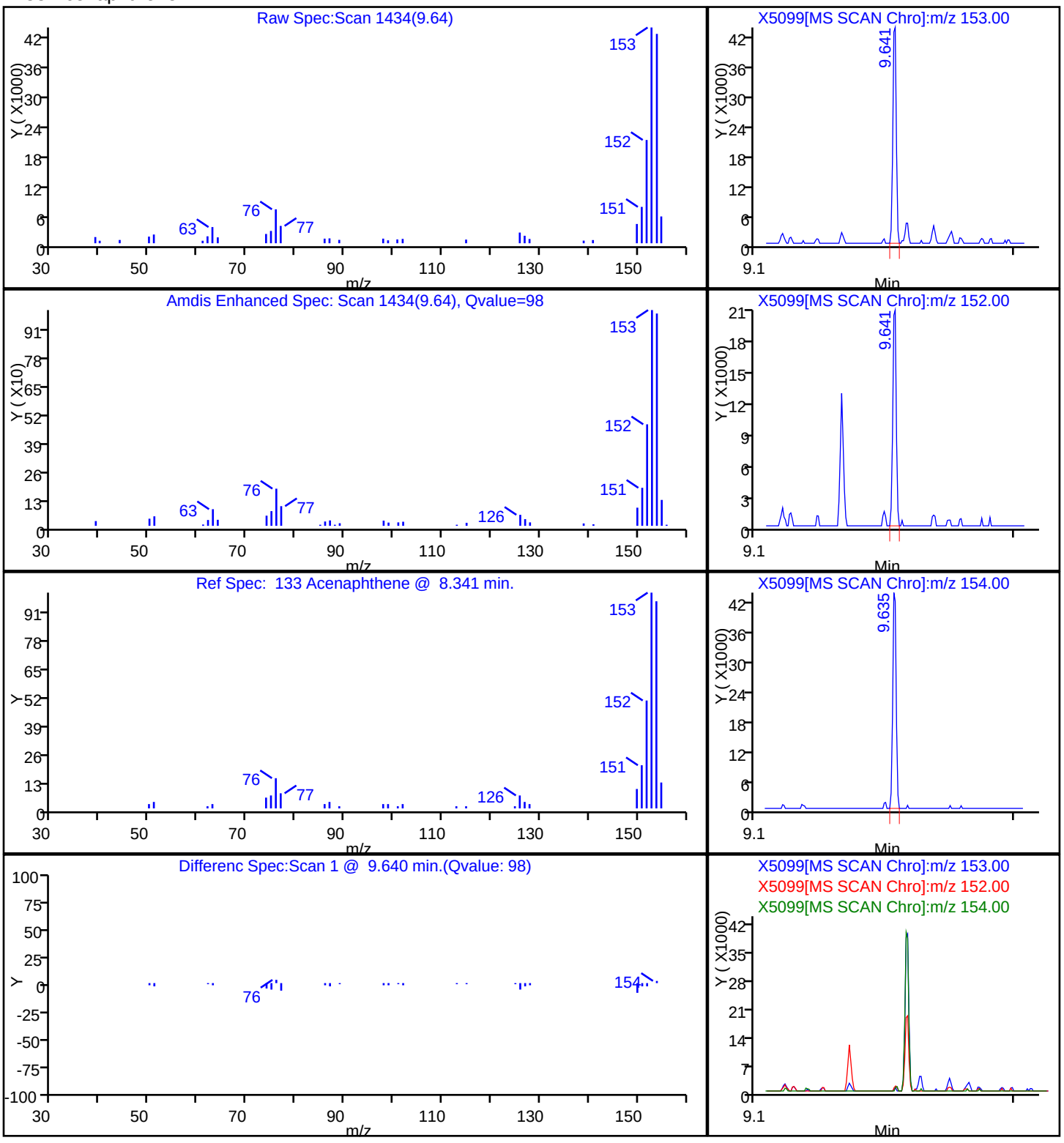


Report Date: 10-Apr-2012 10:52:43 Chrom Revision: 2.0 20-Feb-2012 13:27:02

Data File: \\Bufchrom\ChromData\HP5973X\20120409-10842.b\X5099.D

Injection Date:	09-Apr-2012 21:02:30	Limit Group:	MB - 8270C ICAL
Client ID:	SB-A1 (15'-15'8")	Instrument ID:	HP5973X
Lims Batch ID:	58786	Lims Sample ID:	12
Operator ID:	RMM	Injection Vol:	1.00 ul
Column Type:	RXI-5Sil MS	Column Dia:	0.25 mm

133 Acenaphthene

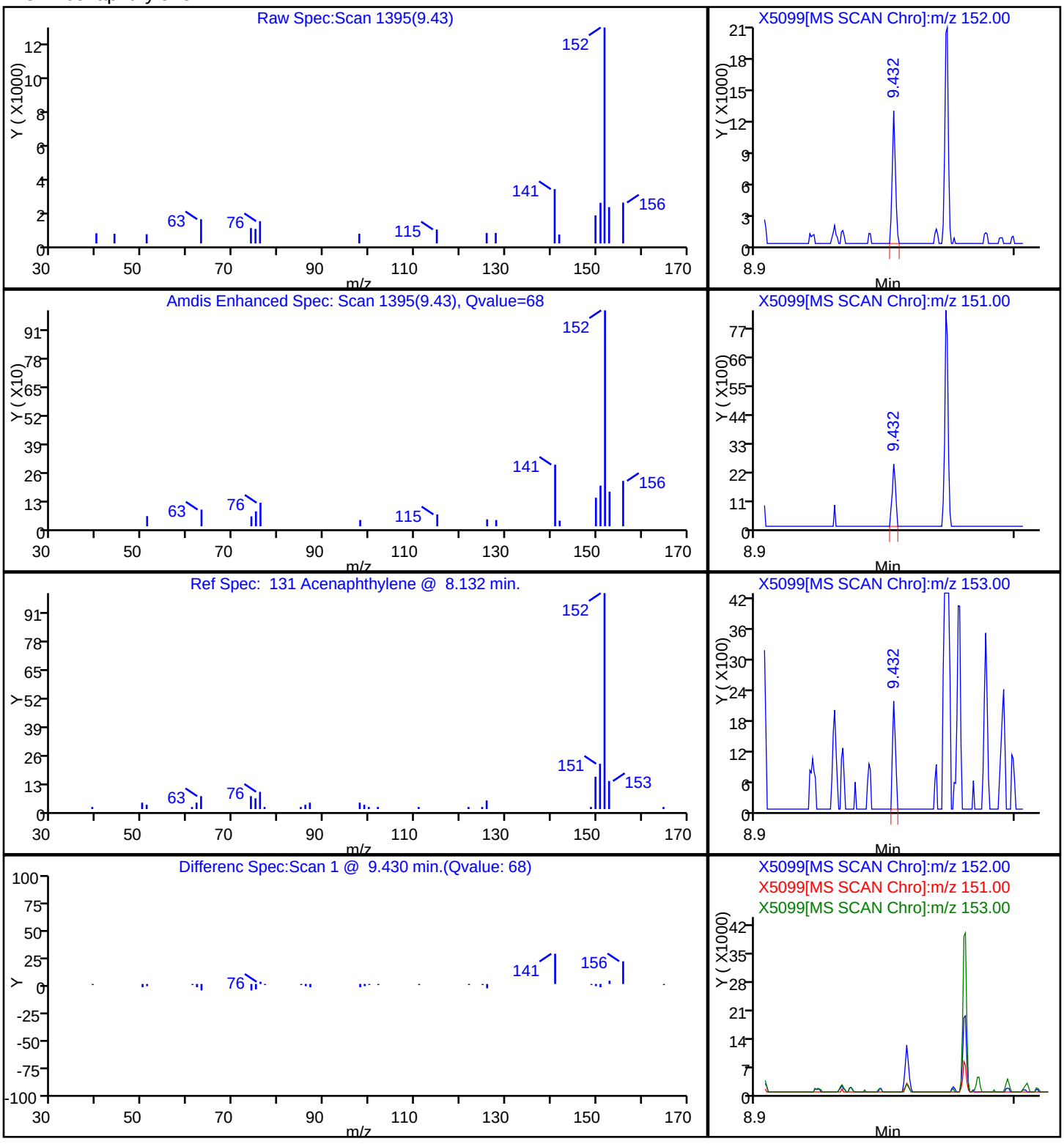


Report Date: 10-Apr-2012 10:52:43 Chrom Revision: 2.0 20-Feb-2012 13:27:02

Data File: \\Bufchrom\ChromData\HP5973X\20120409-10842.b\X5099.D

Injection Date:	09-Apr-2012 21:02:30	Limit Group:	MB - 8270C ICAL
Client ID:	SB-A1 (15'-15'8")	Instrument ID:	HP5973X
Lims Batch ID:	58786	Lims Sample ID:	12
Operator ID:	RMM	Injection Vol:	1.00 ul
Column Type:	RXI-5Sil MS	Column Dia:	0.25 mm

131 Acenaphthylene

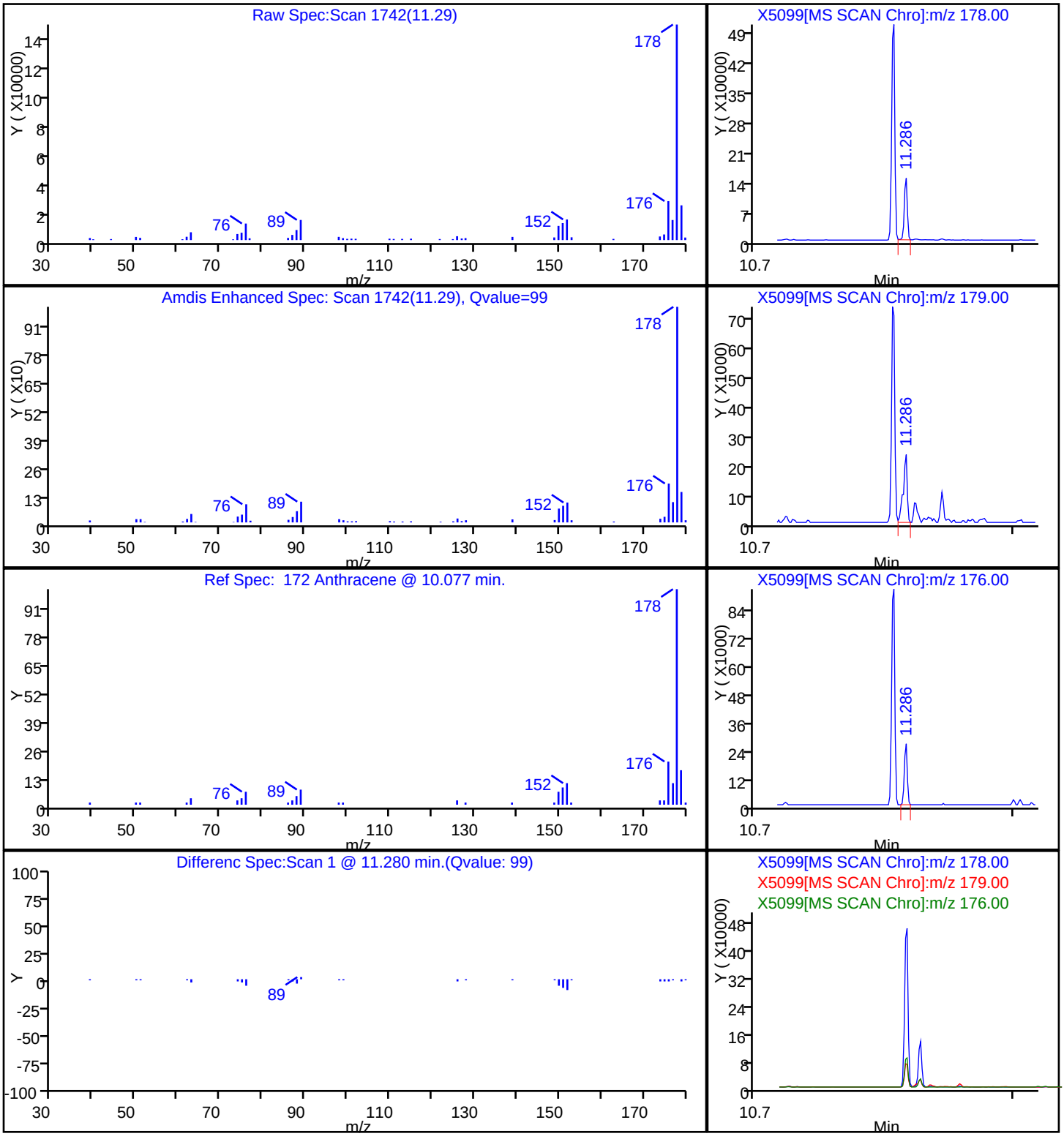


Report Date: 10-Apr-2012 10:52:43 Chrom Revision: 2.0 20-Feb-2012 13:27:02

Data File: \\Bufchrom\ChromData\HP5973X\20120409-10842.b\X5099.D

Injection Date:	09-Apr-2012 21:02:30	Limit Group:	MB - 8270C ICAL
Client ID:	SB-A1 (15'-15'8")	Instrument ID:	HP5973X
Lims Batch ID:	58786	Lims Sample ID:	12
Operator ID:	RMM	Injection Vol:	1.00 ul
Column Type:	RXI-5Sil MS	Column Dia:	0.25 mm

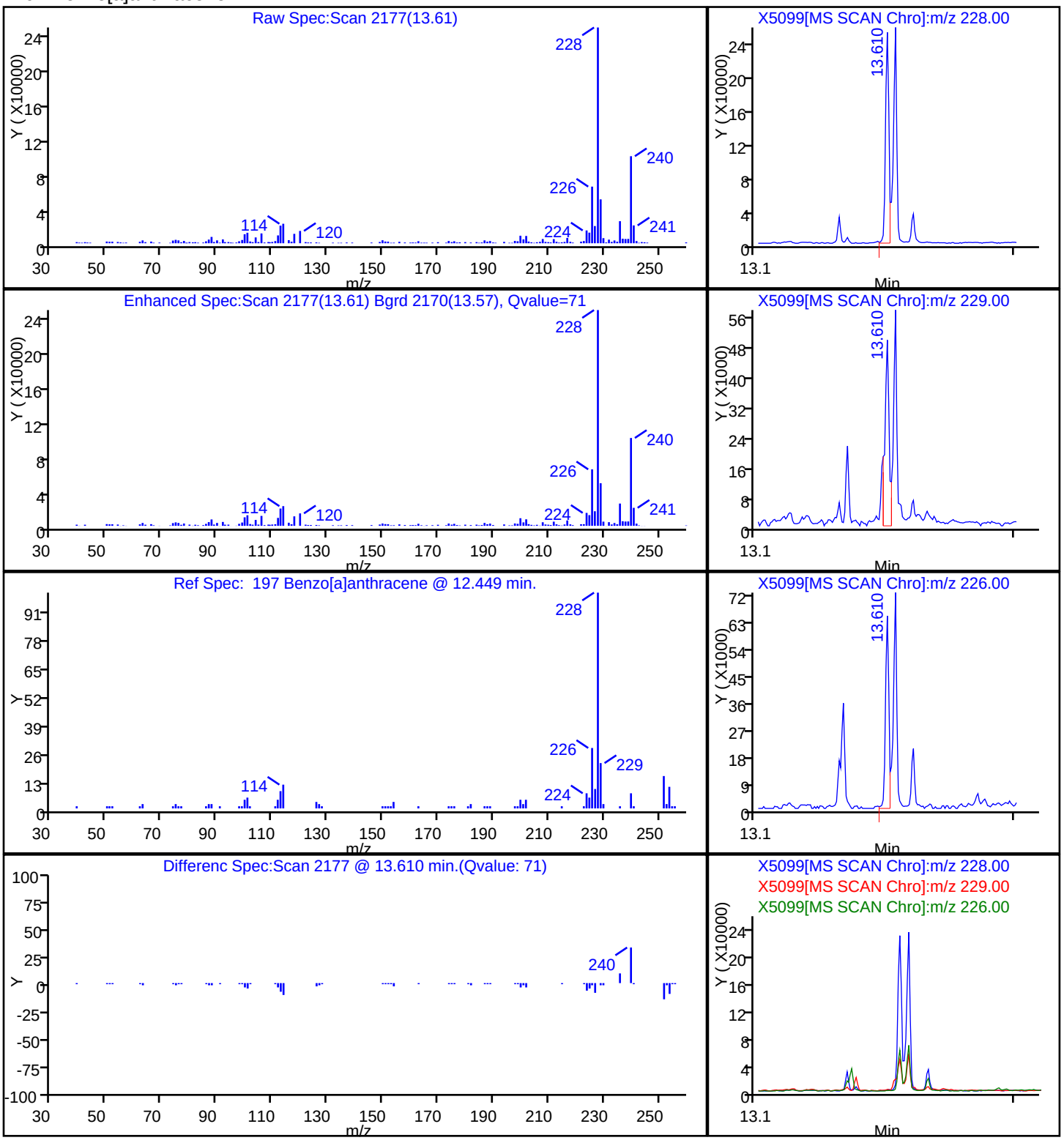
172 Anthracene



Report Date: 10-Apr-2012 10:52:43 Chrom Revision: 2.0 20-Feb-2012 13:27:02

Data File:	\\Bufchrom\ChromData\HP5973X\20120409-10842.b\X5099.D		
Injection Date:	09-Apr-2012 21:02:30	Limit Group:	MB - 8270C ICAL
Client ID:	SB-A1 (15'-15'8")	Instrument ID:	HP5973X
Lims Batch ID:	58786	Lims Sample ID:	12
Operator ID:	RMM	Injection Vol:	1.00 ul
Column Type:	RXI-5Sil MS	Column Dia:	0.25 mm

197 Benzo[a]anthracene

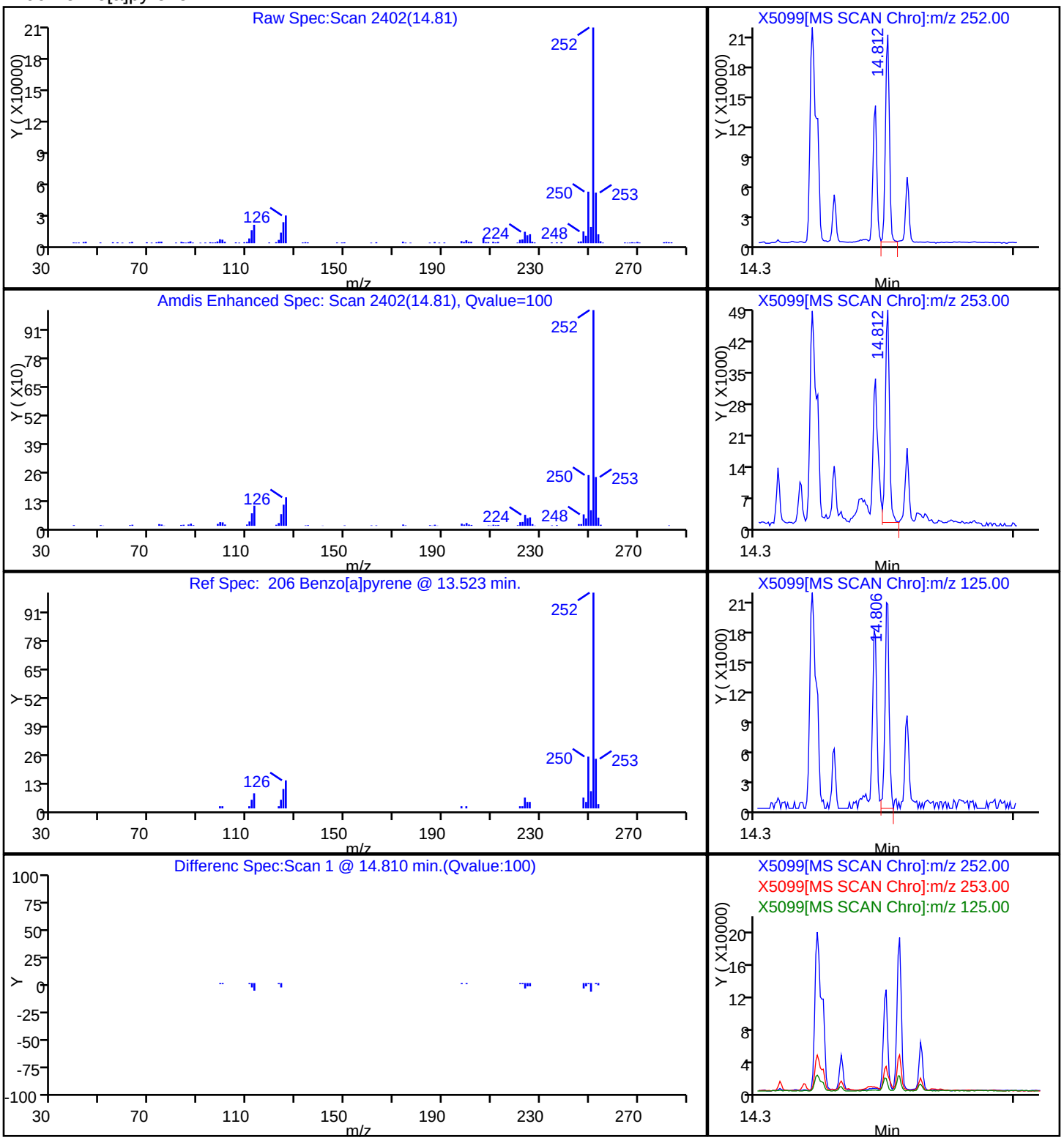


Report Date: 10-Apr-2012 10:52:43 Chrom Revision: 2.0 20-Feb-2012 13:27:02

Data File: \\Bufchrom\ChromData\HP5973X\20120409-10842.b\X5099.D

Injection Date:	09-Apr-2012 21:02:30	Limit Group:	MB - 8270C ICAL
Client ID:	SB-A1 (15'-15'8")	Instrument ID:	HP5973X
Lims Batch ID:	58786	Lims Sample ID:	12
Operator ID:	RMM	Injection Vol:	1.00 ul
Column Type:	RXI-5Sil MS	Column Dia:	0.25 mm

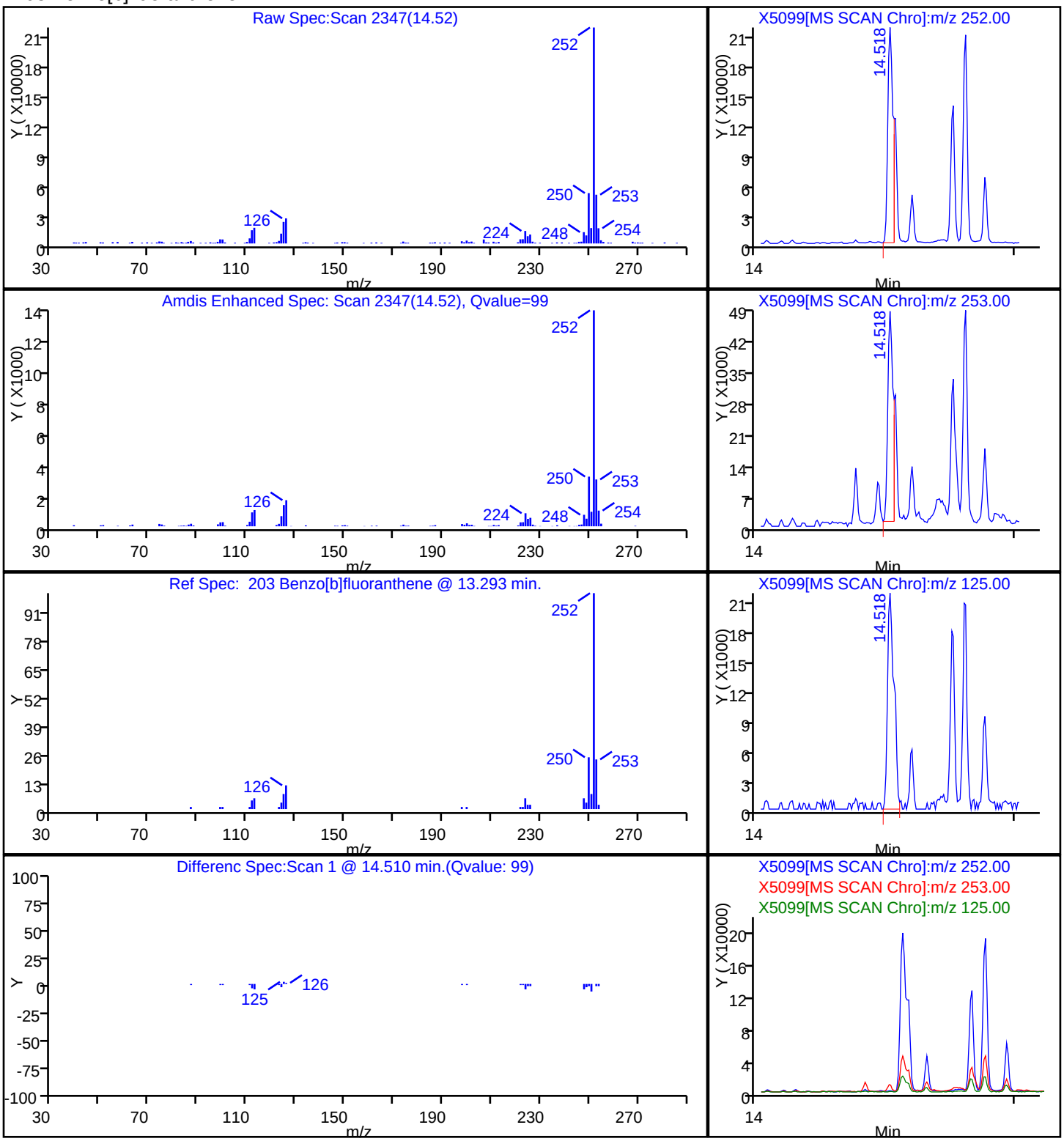
206 Benzo[a]pyrene



Report Date: 10-Apr-2012 10:52:43 Chrom Revision: 2.0 20-Feb-2012 13:27:02

Data File:	\\Bufchrom\ChromData\HP5973X\20120409-10842.b\X5099.D		
Injection Date:	09-Apr-2012 21:02:30	Limit Group:	MB - 8270C ICAL
Client ID:	SB-A1 (15'-15'8")	Instrument ID:	HP5973X
Lims Batch ID:	58786	Lims Sample ID:	12
Operator ID:	RMM	Injection Vol:	1.00 ul
Column Type:	RXI-5Sil MS	Column Dia:	0.25 mm

203 Benzo[b]fluoranthene

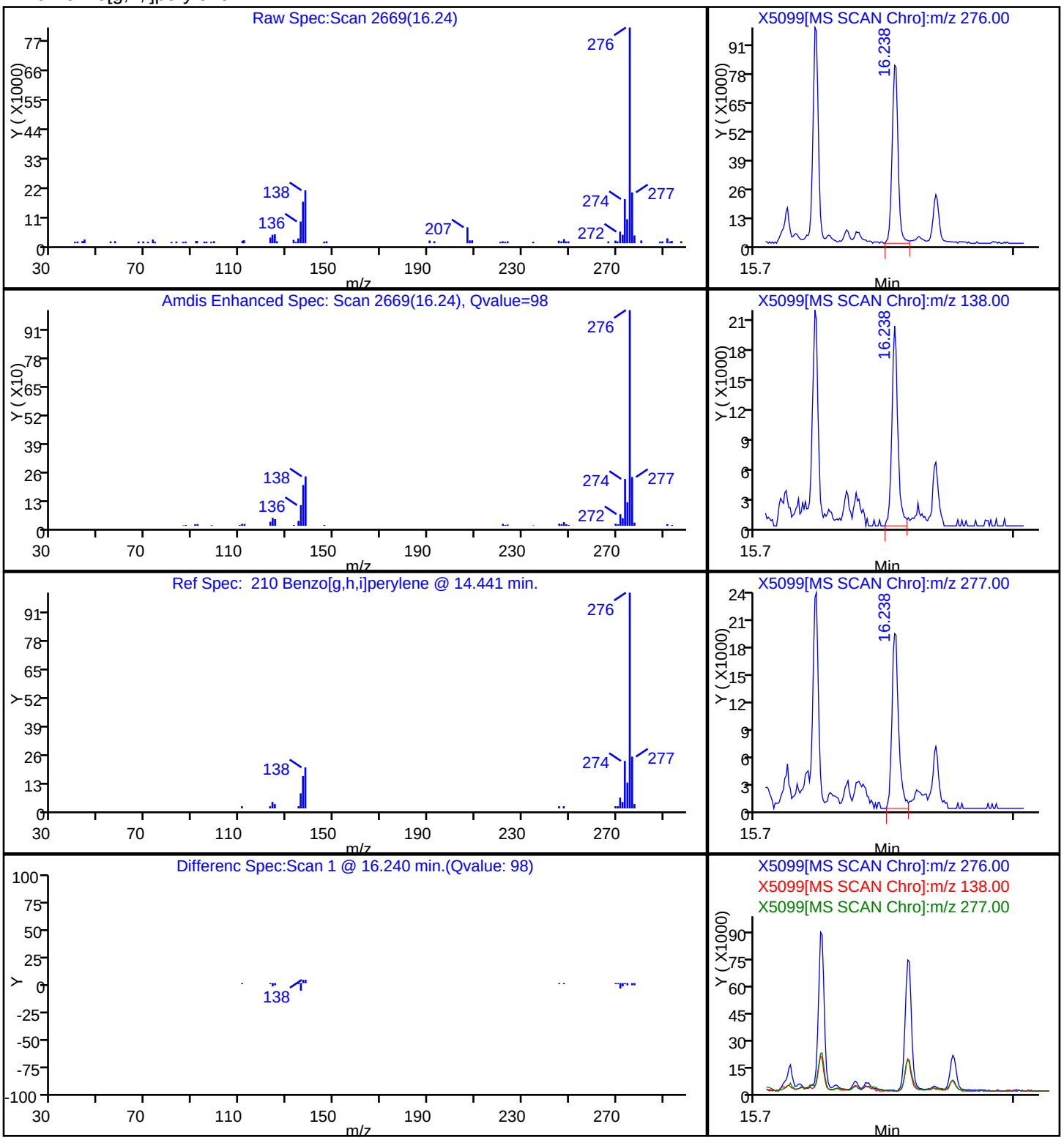


Report Date: 10-Apr-2012 10:52:43 Chrom Revision: 2.0 20-Feb-2012 13:27:02

Data File: \\Bufchrom\ChromData\HP5973X\20120409-10842.b\X5099.D

Injection Date:	09-Apr-2012 21:02:30	Limit Group:	MB - 8270C ICAL
Client ID:	SB-A1 (15'-15'8")	Instrument ID:	HP5973X
Lims Batch ID:	58786	Lims Sample ID:	12
Operator ID:	RMM	Injection Vol:	1.00 ul
Column Type:	RXI-5Sil MS	Column Dia:	0.25 mm

210 Benzo[g,h,i]perylene

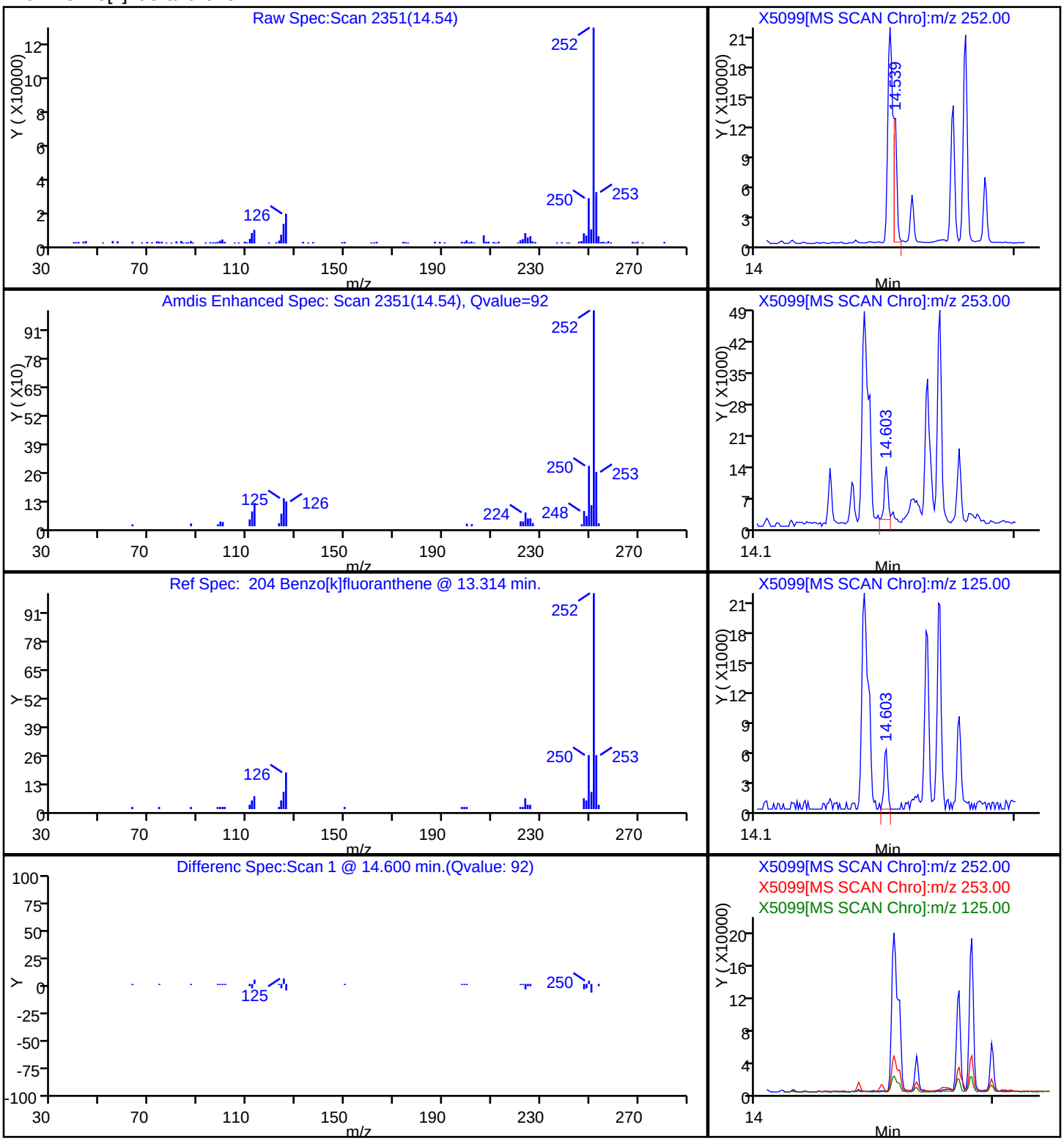


Report Date: 10-Apr-2012 10:52:43 Chrom Revision: 2.0 20-Feb-2012 13:27:02

Data File: \\Bufchrom\ChromData\HP5973X\20120409-10842.b\X5099.D

Injection Date:	09-Apr-2012 21:02:30	Limit Group:	MB - 8270C ICAL
Client ID:	SB-A1 (15'-15'8")	Instrument ID:	HP5973X
Lims Batch ID:	58786	Lims Sample ID:	12
Operator ID:	RMM	Injection Vol:	1.00 ul
Column Type:	RXI-5Sil MS	Column Dia:	0.25 mm

204 Benzo[k]fluoranthene



Report Date: 10-Apr-2012 10:52:42 Chrom Revision: 2.0 20-Feb-2012 13:27:02

Data File:	\\Bufchrom\ChromData\HP5973X\20120409-10842.b\X5099.D		
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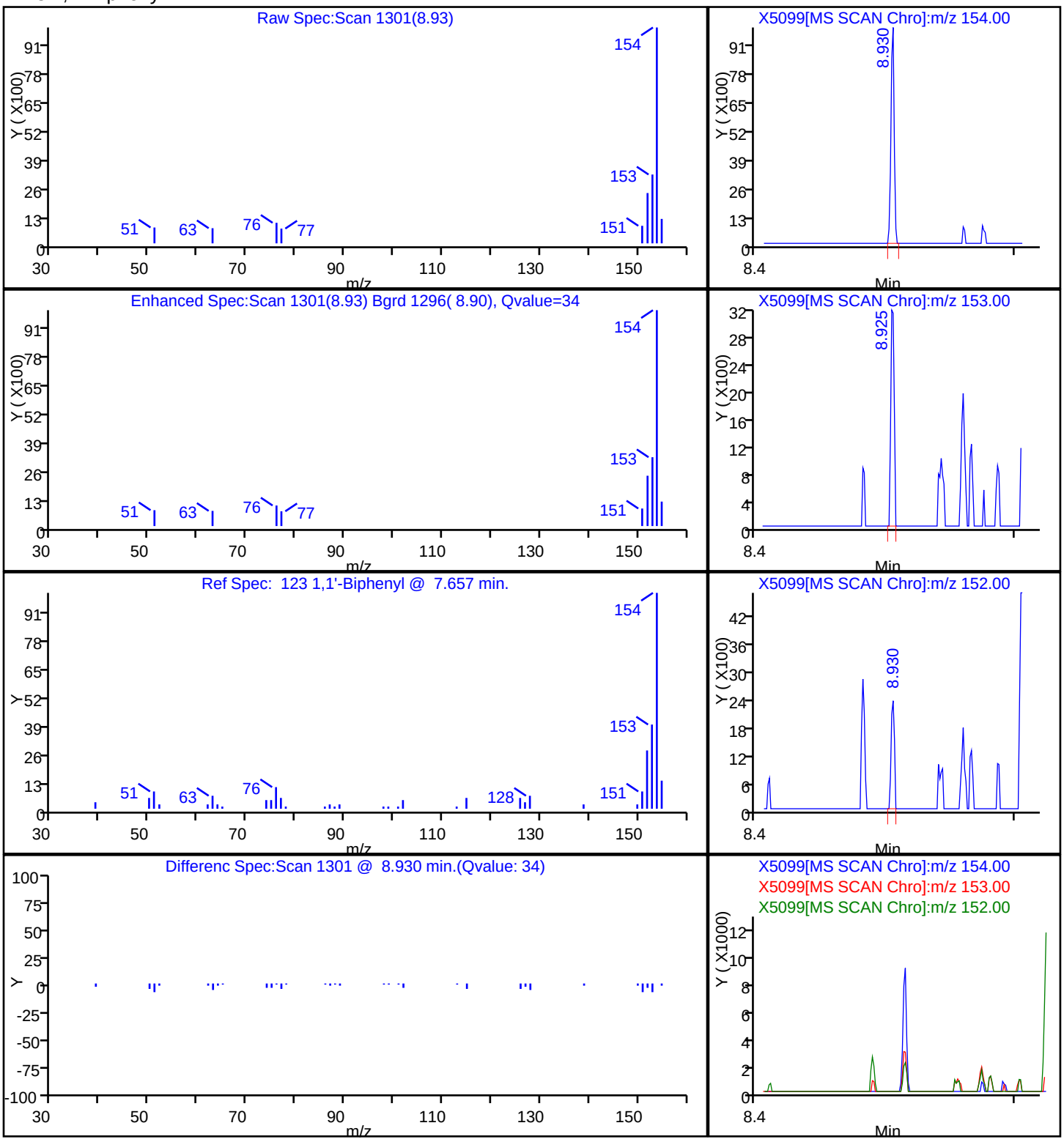
Client ID:	SB-A1 (15'-15'8")	Instrument ID:	HP5973X
Lims Batch ID:	58786	Lims Sample ID:	12
Operator ID:	RMM	Injection Vol:	1.00 ul
Column Type:	RXI-5Sil MS	Column Dia:	0.25 mm

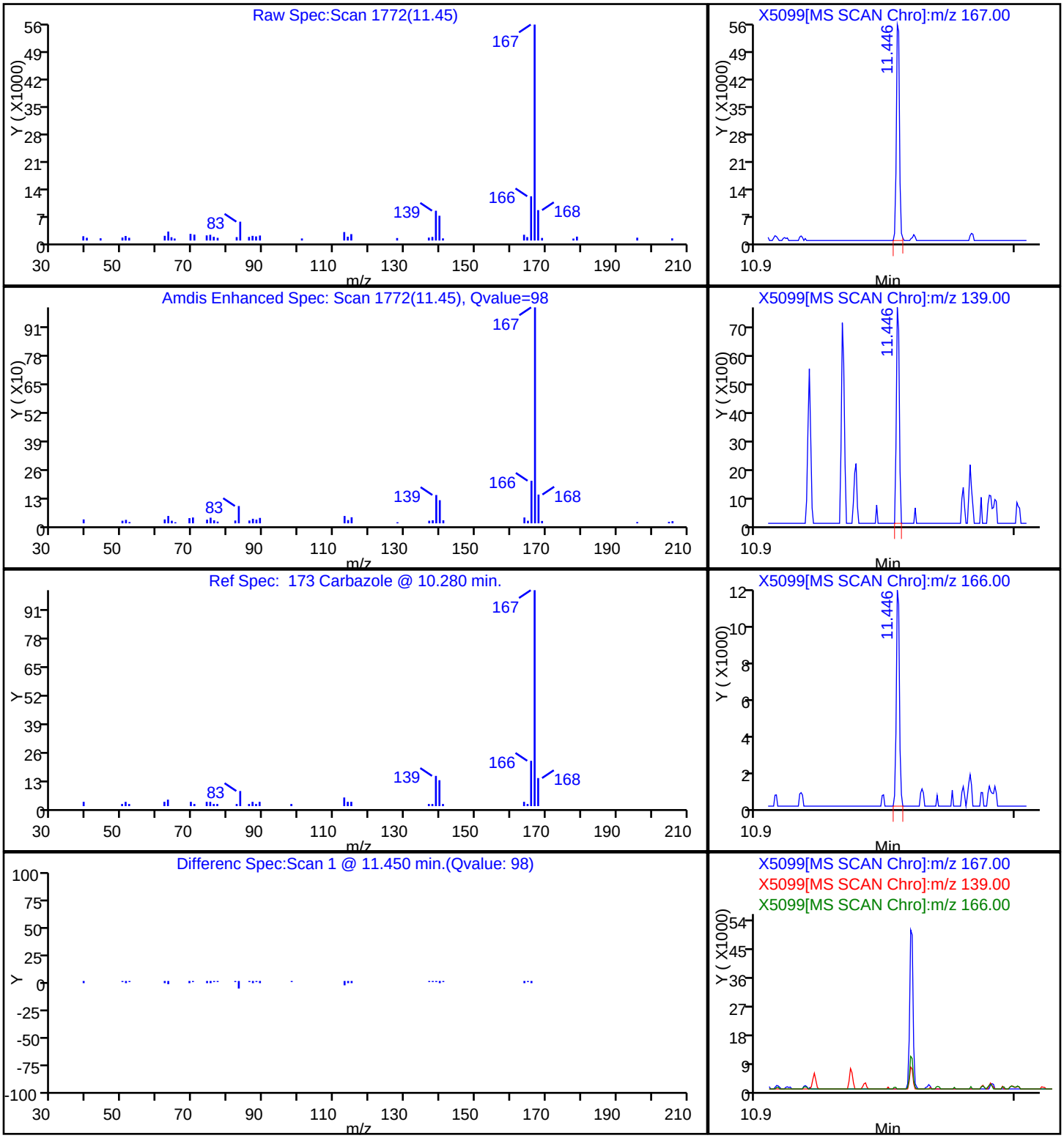
123 1,1'-Biphenyl



Report Date: 10-Apr-2012 10:52:43 Chrom Revision: 2.0 20-Feb-2012 13:27:02

Data File:	\\Bufchrom\ChromData\HP5973X\20120409-10842.b\X5099.D		
Injection Date:	09-Apr-2012 21:02:30	Limit Group:	MB - 8270C ICAL
Client ID:	SB-A1 (15'-15'8")	Instrument ID:	HP5973X
Lims Batch ID:	58786	Lims Sample ID:	12
Operator ID:	RMM	Injection Vol:	1.00 ul
Column Type:	RXI-5Sil MS	Column Dia:	0.25 mm

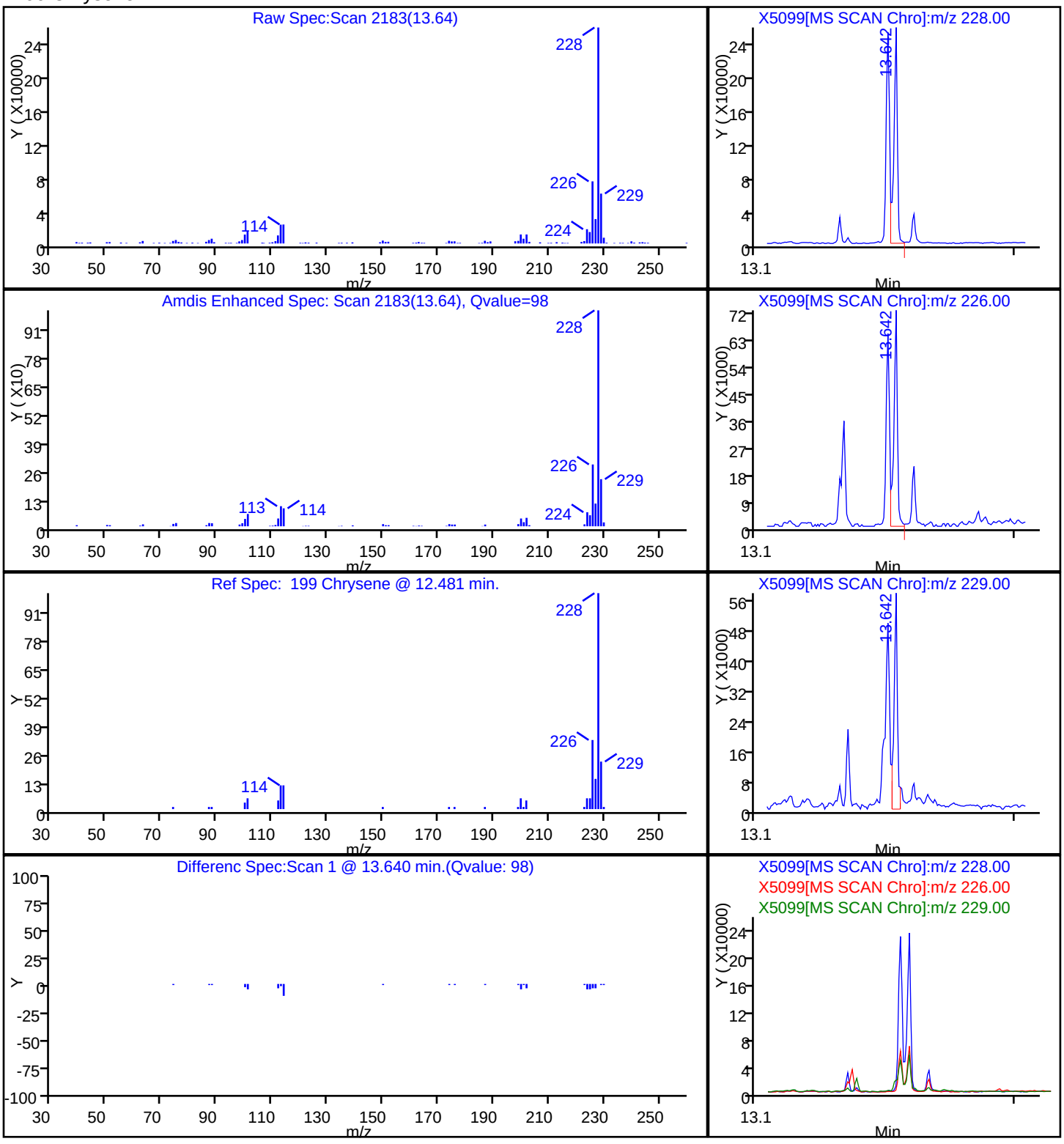
173 Carbazole



Report Date: 10-Apr-2012 10:52:43 Chrom Revision: 2.0 20-Feb-2012 13:27:02

Data File:	\\Bufchrom\ChromData\HP5973X\20120409-10842.b\X5099.D		
Injection Date:	09-Apr-2012 21:02:30	Limit Group:	MB - 8270C ICAL
Client ID:	SB-A1 (15'-15'8")	Instrument ID:	HP5973X
Lims Batch ID:	58786	Lims Sample ID:	12
Operator ID:	RMM	Injection Vol:	1.00 ul
Column Type:	RXI-5Sil MS	Column Dia:	0.25 mm

199 Chrysene

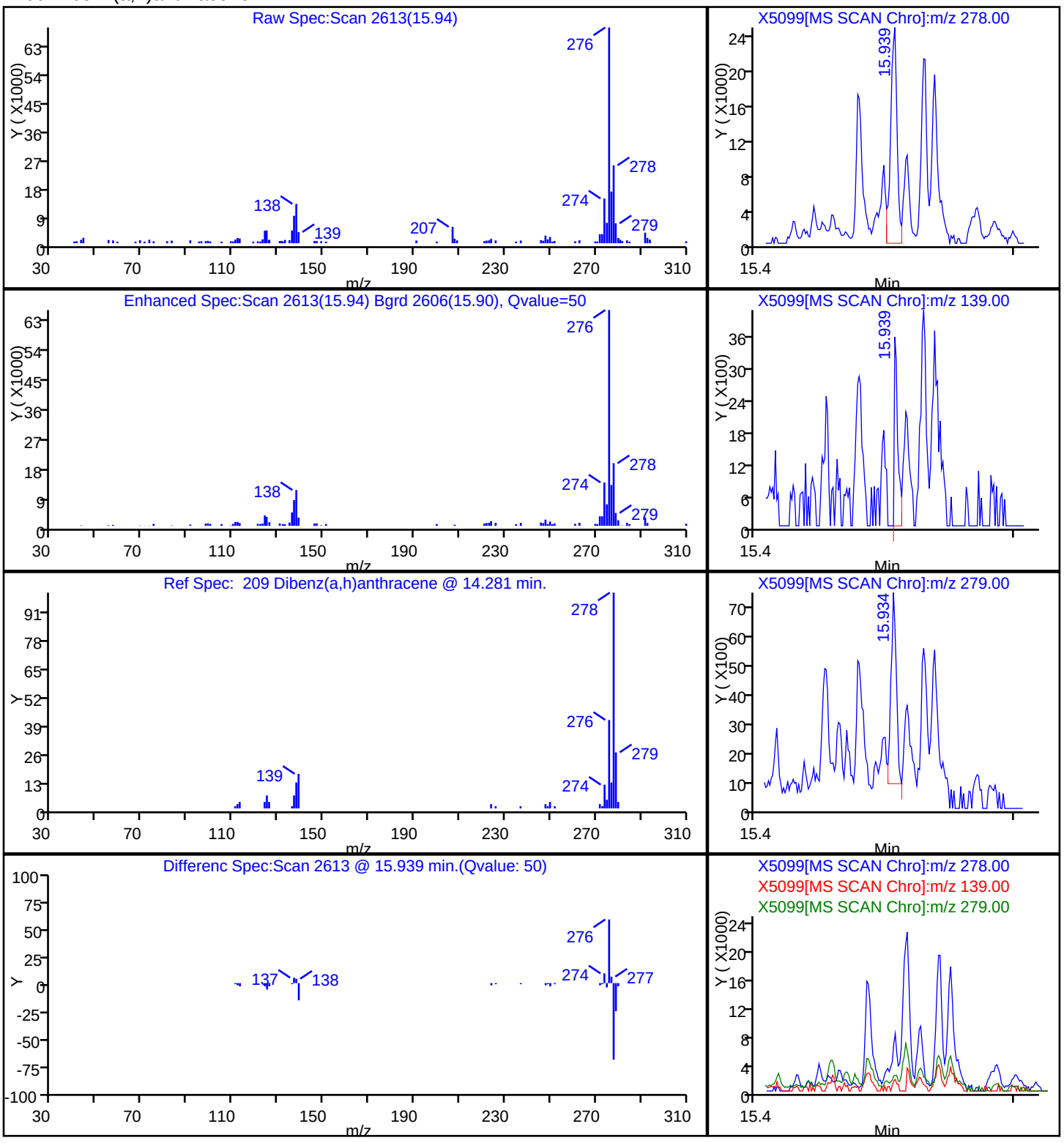


Report Date: 10-Apr-2012 10:52:43 Chrom Revision: 2.0 20-Feb-2012 13:27:02

Data File: \\Bufchrom\ChromData\HP5973X\20120409-10842.b\X5099.D

Injection Date:	09-Apr-2012 21:02:30	Limit Group:	MB - 8270C ICAL
Client ID:	SB-A1 (15'-15'8")	Instrument ID:	HP5973X
Lims Batch ID:	58786	Lims Sample ID:	12
Operator ID:	RMM	Injection Vol:	1.00 ul
Column Type:	RXI-5Sil MS	Column Dia:	0.25 mm

209 Dibenz(a,h)anthracene

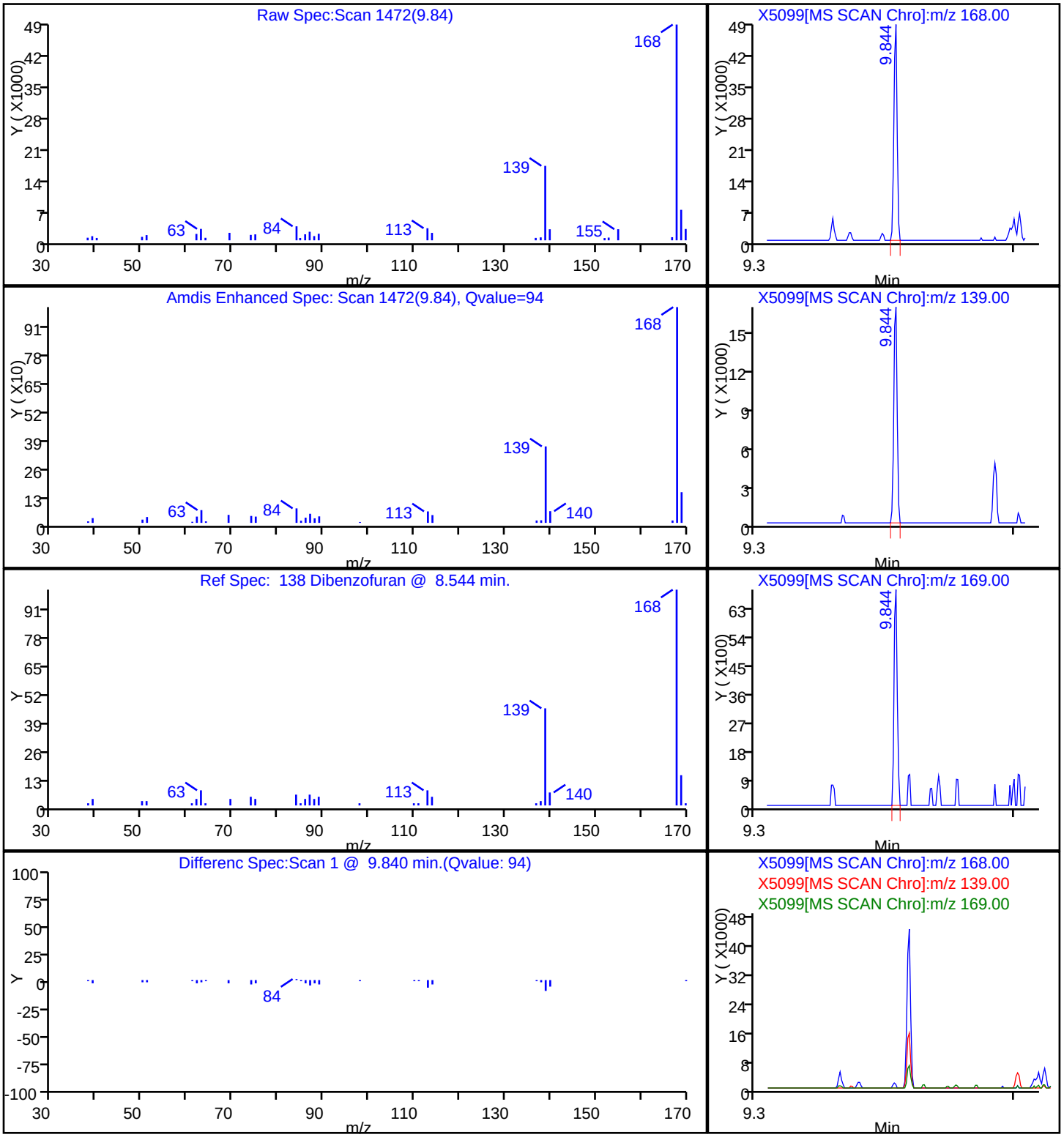


Report Date: 10-Apr-2012 10:52:43 Chrom Revision: 2.0 20-Feb-2012 13:27:02

Data File: \\Bufchrom\ChromData\HP5973X\20120409-10842.b\X5099.D

Injection Date:	09-Apr-2012 21:02:30	Limit Group:	MB - 8270C ICAL
Client ID:	SB-A1 (15'-15'8")	Instrument ID:	HP5973X
Lims Batch ID:	58786	Lims Sample ID:	12
Operator ID:	RMM	Injection Vol:	1.00 ul
Column Type:	RXI-5Sil MS	Column Dia:	0.25 mm

138 Dibenzofuran

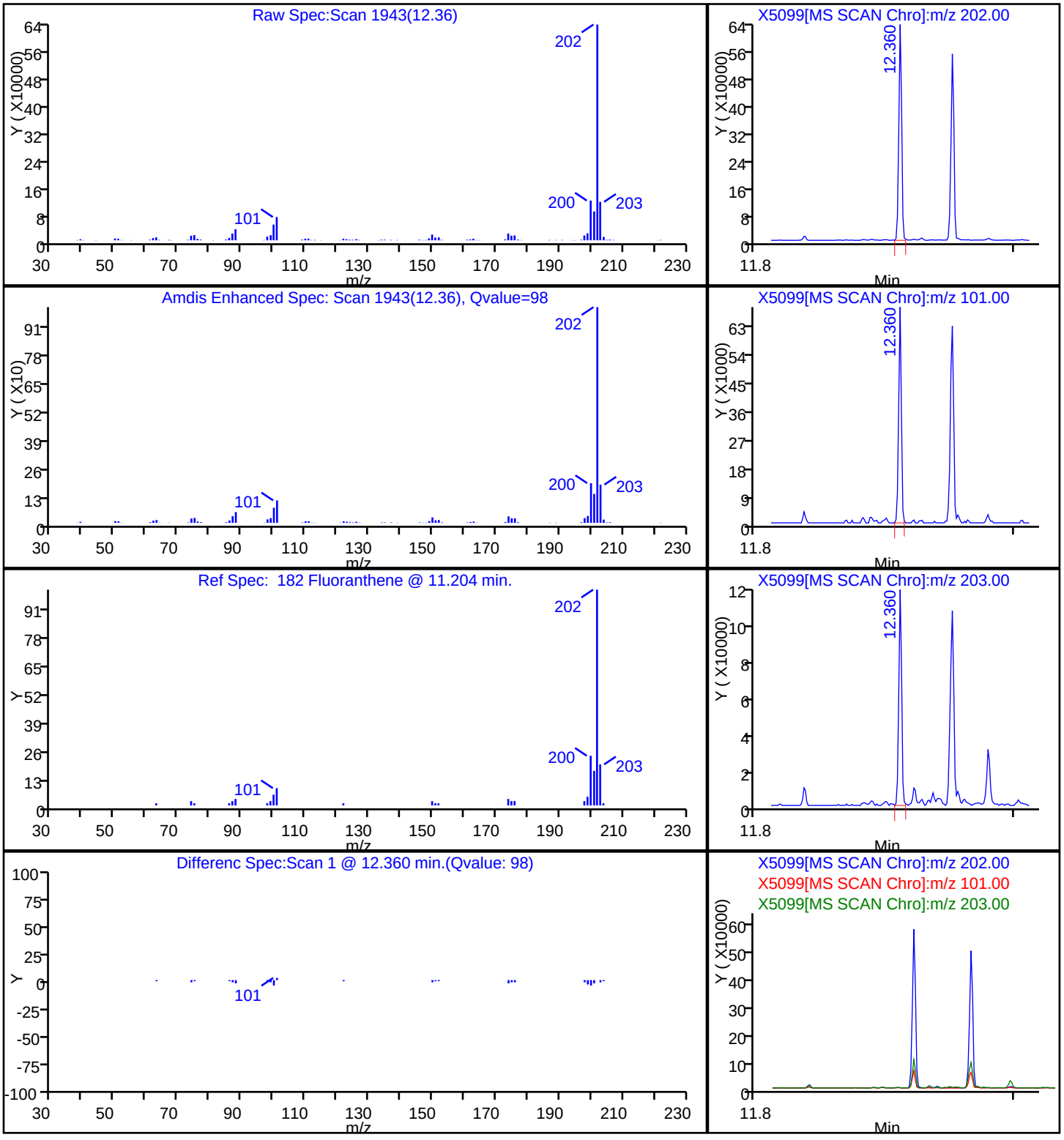


Report Date: 10-Apr-2012 10:52:43 Chrom Revision: 2.0 20-Feb-2012 13:27:02

Data File: \\Bufchrom\ChromData\HP5973X\20120409-10842.b\X5099.D

Injection Date:	09-Apr-2012 21:02:30	Limit Group:	MB - 8270C ICAL
Client ID:	SB-A1 (15'-15'8")	Instrument ID:	HP5973X
Lims Batch ID:	58786	Lims Sample ID:	12
Operator ID:	RMM	Injection Vol:	1.00 ul
Column Type:	RXI-5Sil MS	Column Dia:	0.25 mm

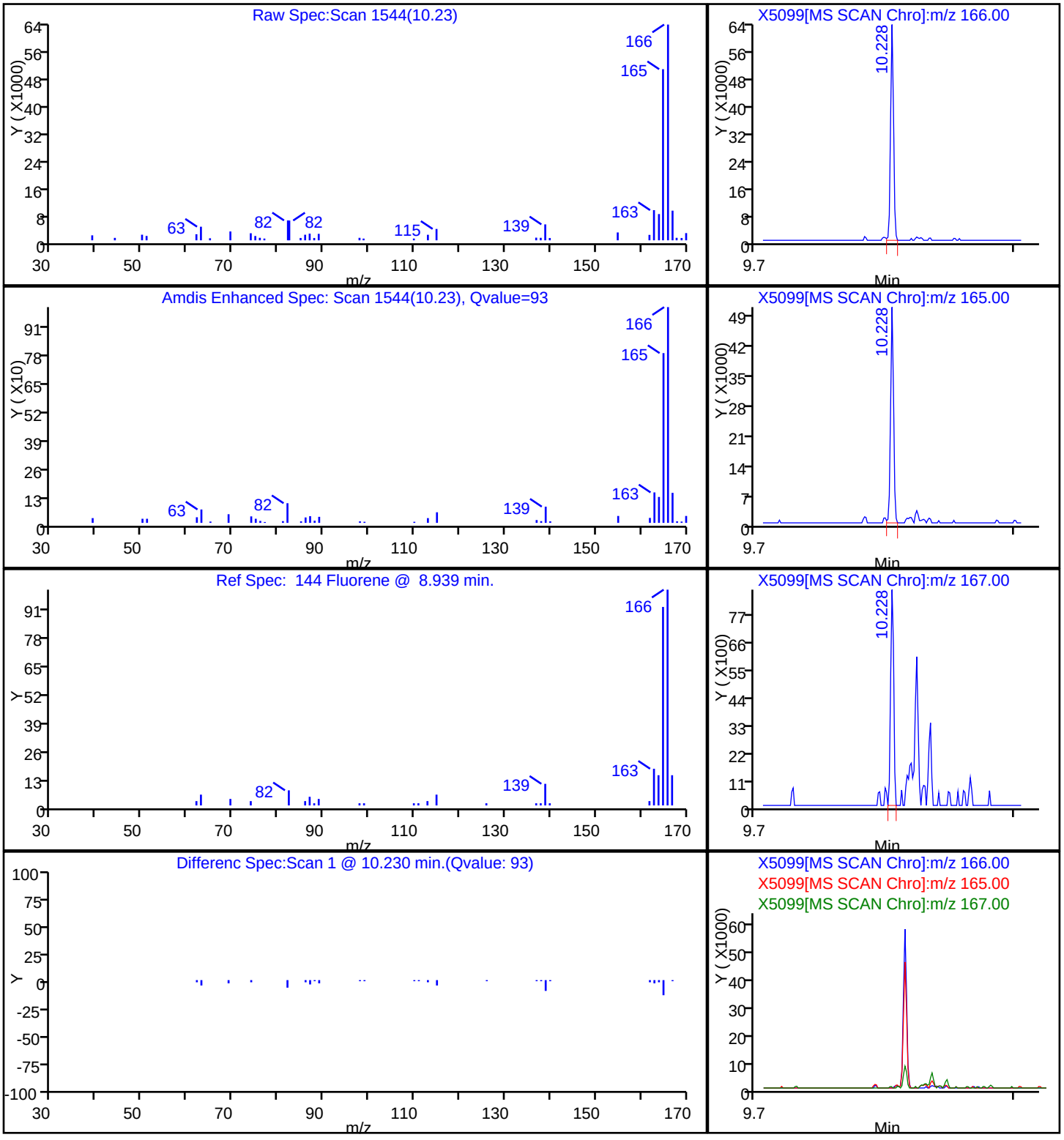
182 Fluoranthene



Report Date: 10-Apr-2012 10:52:43 Chrom Revision: 2.0 20-Feb-2012 13:27:02

Data File:	\\Bufchrom\ChromData\HP5973X\20120409-10842.b\X5099.D		
Injection Date:	09-Apr-2012 21:02:30	Limit Group:	MB - 8270C ICAL
Client ID:	SB-A1 (15'-15'8")	Instrument ID:	HP5973X
Lims Batch ID:	58786	Lims Sample ID:	12
Operator ID:	RMM	Injection Vol:	1.00 ul
Column Type:	RXI-5Sil MS	Column Dia:	0.25 mm

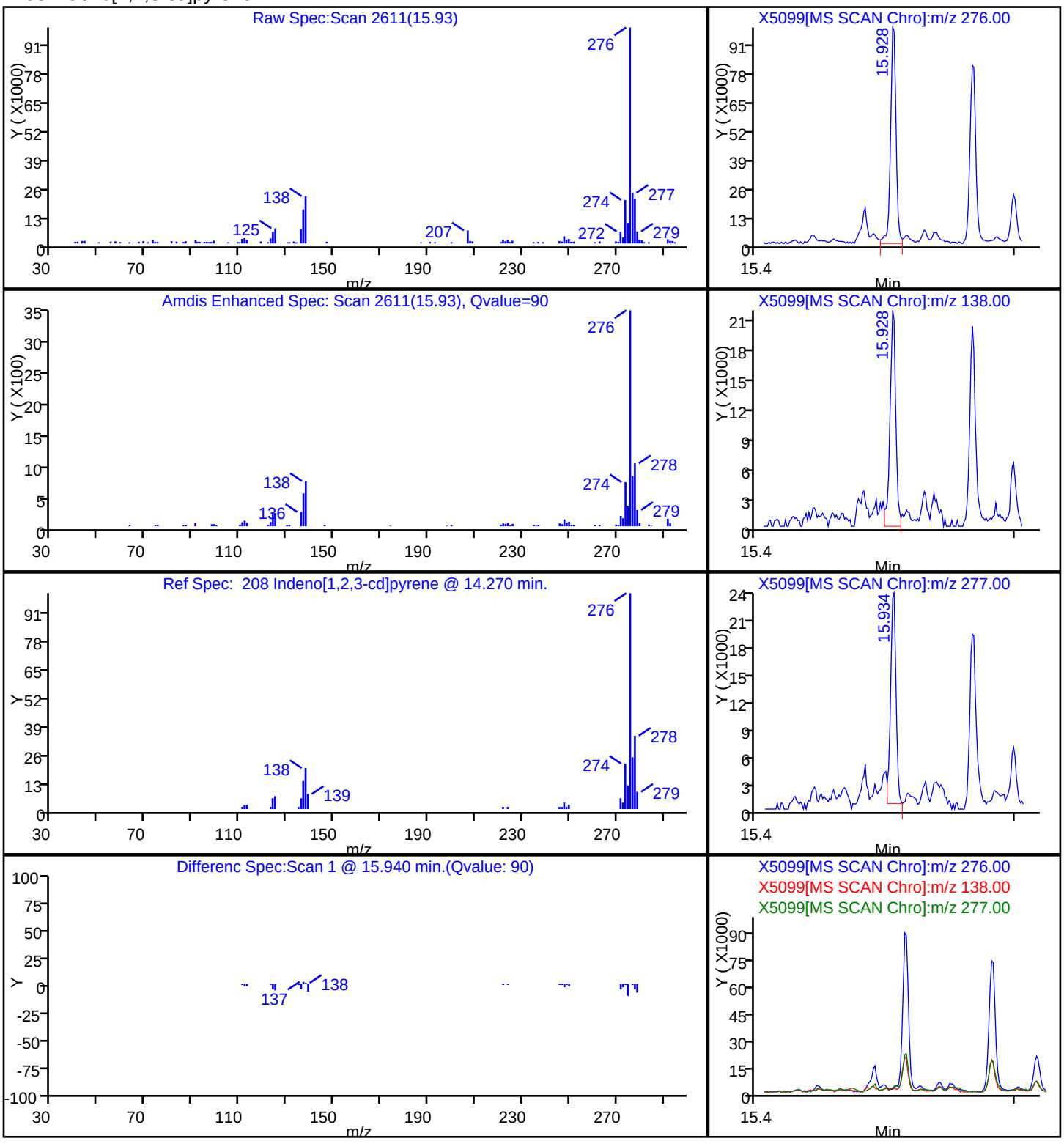
144 Fluorene



Report Date: 10-Apr-2012 10:52:43 Chrom Revision: 2.0 20-Feb-2012 13:27:02

Data File:	\\Bufchrom\ChromData\HP5973X\20120409-10842.b\X5099.D		
Injection Date:	09-Apr-2012 21:02:30	Limit Group:	MB - 8270C ICAL
Client ID:	SB-A1 (15'-15'8")	Instrument ID:	HP5973X
Lims Batch ID:	58786	Lims Sample ID:	12
Operator ID:	RMM	Injection Vol:	1.00 ul
Column Type:	RXI-5Sil MS	Column Dia:	0.25 mm

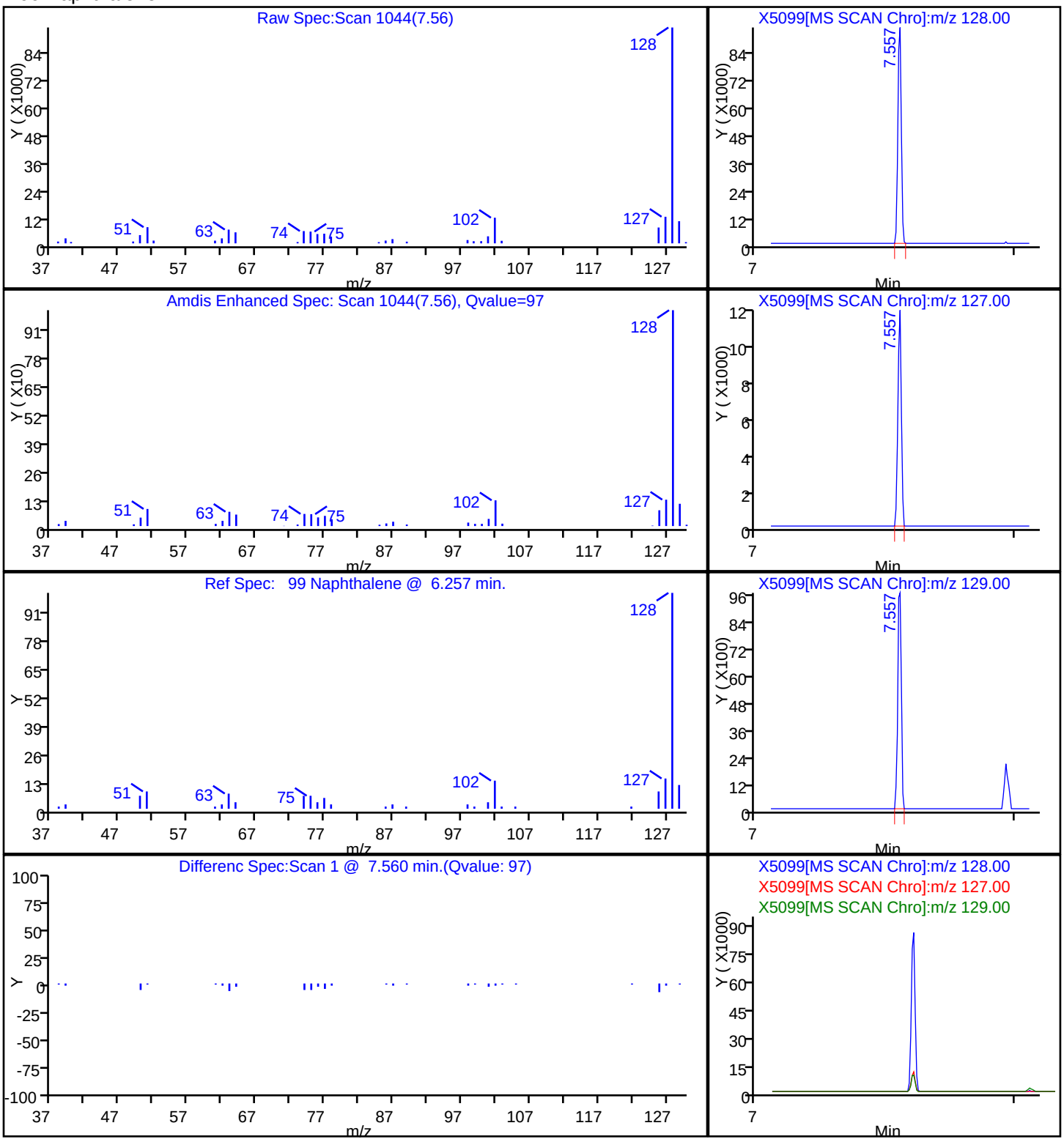
208 Indeno[1,2,3-cd]pyrene



Report Date: 10-Apr-2012 10:52:42 Chrom Revision: 2.0 20-Feb-2012 13:27:02

Data File:	\\Bufchrom\ChromData\HP5973X\20120409-10842.b\X5099.D		
Injection Date:	09-Apr-2012 21:02:30	Limit Group:	MB - 8270C ICAL
Client ID:	SB-A1 (15'-15'8")	Instrument ID:	HP5973X
Lims Batch ID:	58786	Lims Sample ID:	12
Operator ID:	RMM	Injection Vol:	1.00 ul
Column Type:	RXI-5Sil MS	Column Dia:	0.25 mm

99 Naphthalene

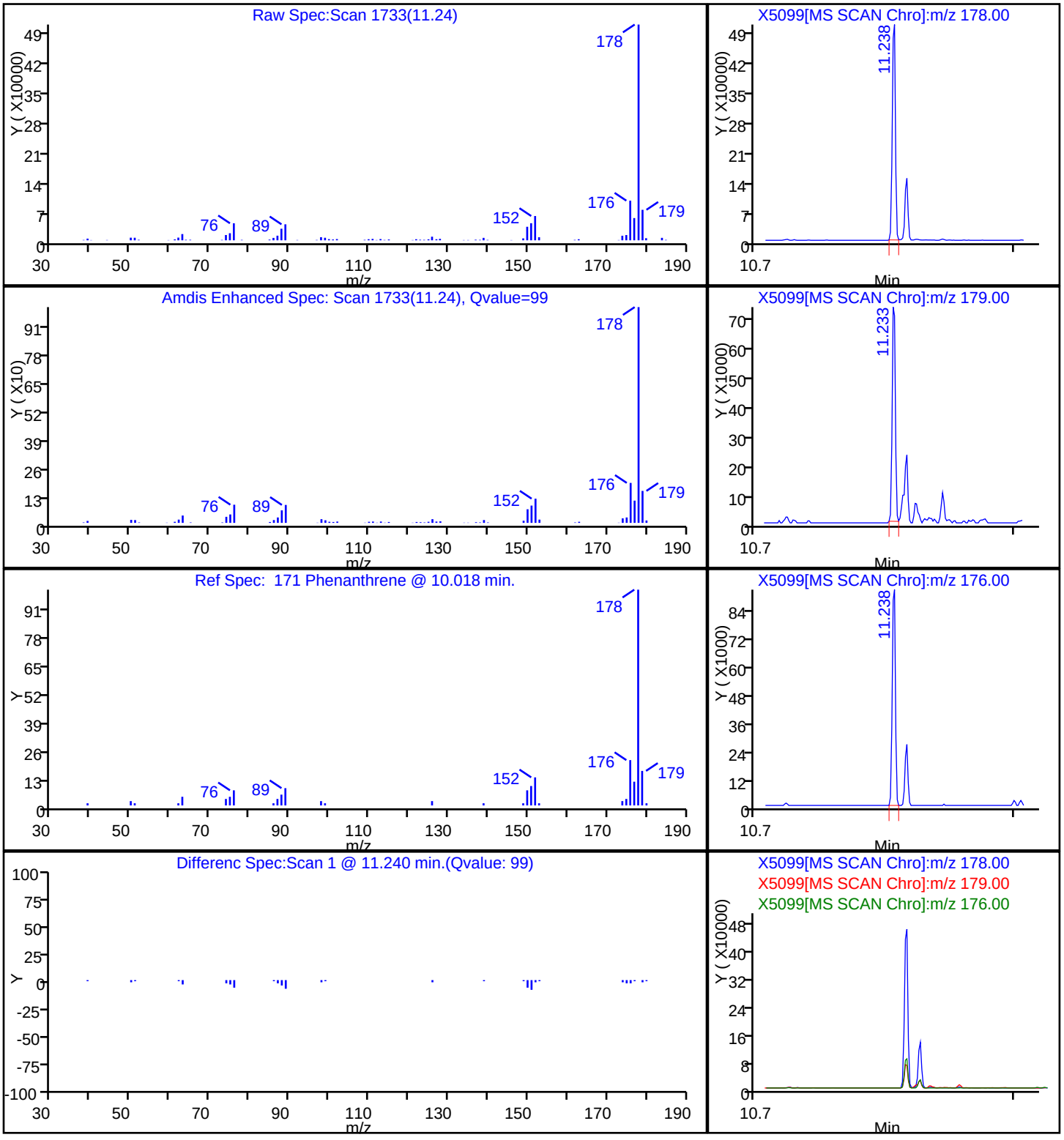


Report Date: 10-Apr-2012 10:52:43 Chrom Revision: 2.0 20-Feb-2012 13:27:02

Data File: \\Bufchrom\ChromData\HP5973X\20120409-10842.b\X5099.D

Injection Date:	09-Apr-2012 21:02:30	Limit Group:	MB - 8270C ICAL
Client ID:	SB-A1 (15'-15'8")	Instrument ID:	HP5973X
Lims Batch ID:	58786	Lims Sample ID:	12
Operator ID:	RMM	Injection Vol:	1.00 ul
Column Type:	RXI-5Sil MS	Column Dia:	0.25 mm

171 Phenanthrene

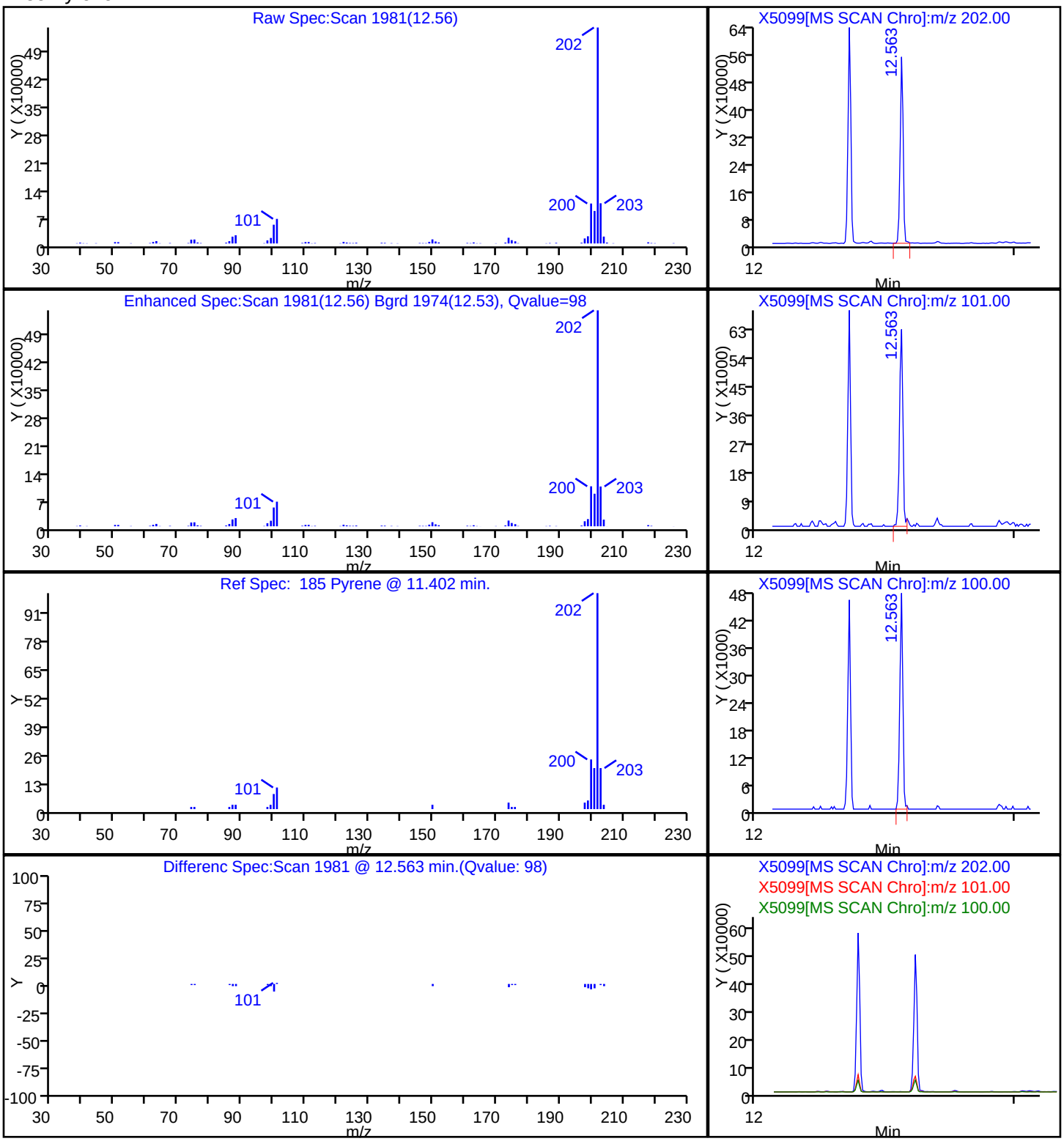


Report Date: 10-Apr-2012 10:52:43 Chrom Revision: 2.0 20-Feb-2012 13:27:02

Data File: \\Bufchrom\ChromData\HP5973X\20120409-10842.b\X5099.D

Injection Date:	09-Apr-2012 21:02:30	Limit Group:	MB - 8270C ICAL
Client ID:	SB-A1 (15'-15'8")	Instrument ID:	HP5973X
Lims Batch ID:	58786	Lims Sample ID:	12
Operator ID:	RMM	Injection Vol:	1.00 ul
Column Type:	RXI-5Sil MS	Column Dia:	0.25 mm

185 Pyrene



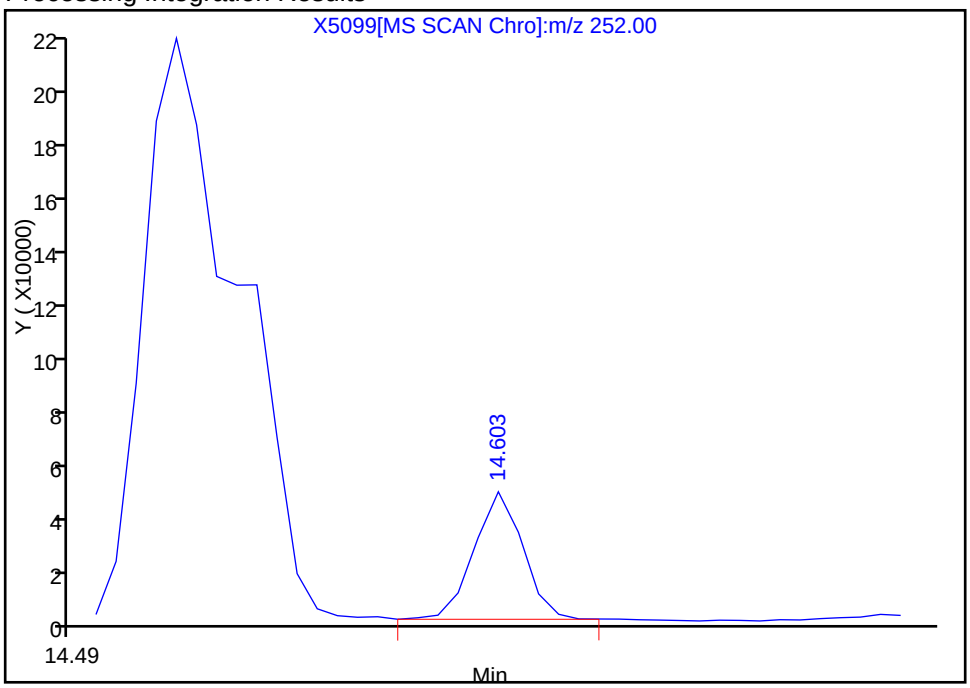
Manual Integration/User Assign Peak Report

Data File:	\\Bufchrom\ChromData\HP5973X\20120409-10842.b\X5099.D		
Injection Date:	09-Apr-2012 21:02:30	Limit Group:	MB - 8270C ICAL
Client ID:	SB-A1 (15'-15'8")	Instrument ID:	HP5973X
Lims Batch ID:	58786	Lims Sample ID:	12
Operator ID:	RMM	Injection Vol:	1.00 ul
Column Type:	RXI-5Sil MS	Column Dia:	0.25 mm

204 Benzo[k]fluoranthene, Signal: 1, m/z: 252.0 Type: quant, RT: 14.55

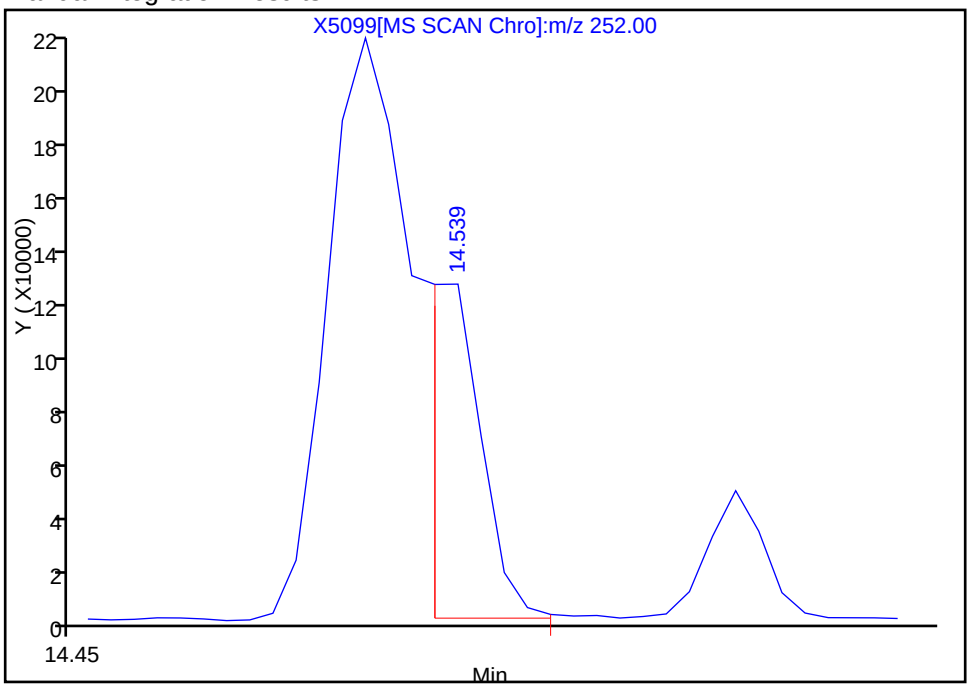
Processing Integration Results

RT: 14.60
Response: 42260
Amount: 2.853102



Manual Integration Results

RT: 14.54
Response: 107164
Amount: 7.234971

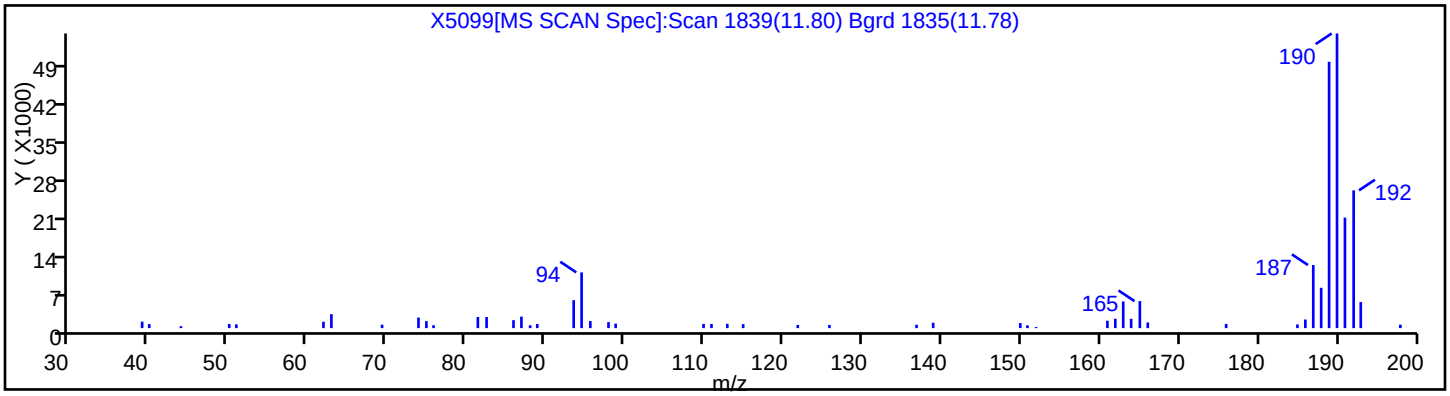


Reviewer: mckernar, 10-Apr-2012 10:52:42
Audit Action: Manually Integrated
Audit Reason: Assign Peak

Report Date: 10-Apr-2012 10:52:43 Chrom Revision: 2.0 20-Feb-2012 13:27:02

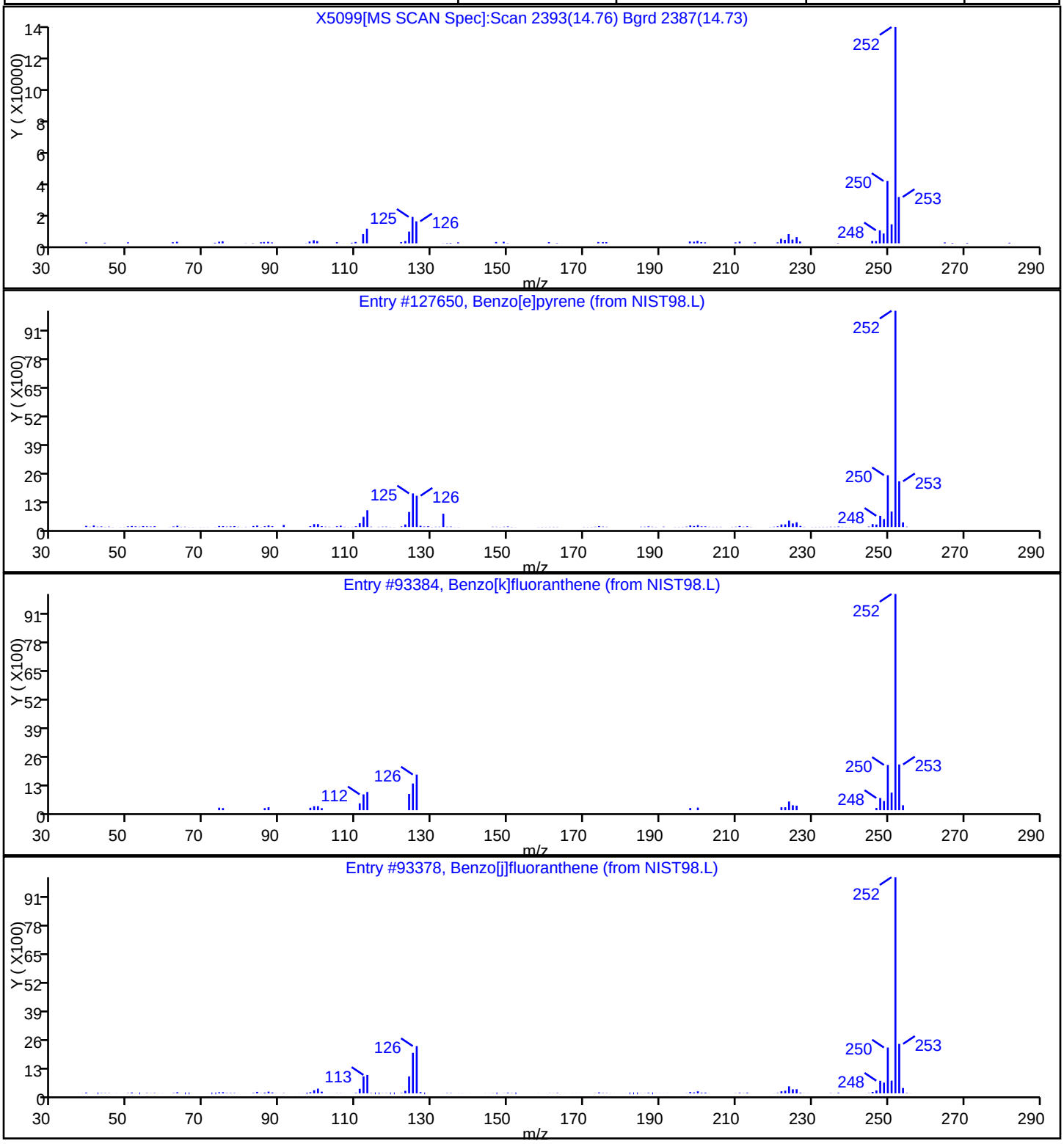
Data File:	\\Bufchrom\ChromData\HP5973X\20120409-10842.b\X5099.D		
Injection Date:	09-Apr-2012 21:02:30	Limit Group:	MB - 8270C ICAL
Client ID:	SB-A1 (15'-15'8")	Instrument ID:	HP5973X
Lims Batch ID:	58786	Lims Sample ID:	12
Operator ID:	RMM	Injection Vol:	1.00 ul
Column Type:	RXI-5Sil MS	Column Dia:	0.25 mm

No Library Matches Found above the Threshold: 85



Report Date: 10-Apr-2012 10:52:43 Chrom Revision: 2.0 20-Feb-2012 13:27:02
Data File: \\Bufchrom\ChromData\HP5973X\20120409-10842.b\X5099.D
Injection Date: 09-Apr-2012 21:02:30 Limit Group: MB - 8270C ICAL
Client ID: SB-A1 (15'-15'8") Instrument ID: HP5973X
Lims Batch ID: 58786 Lims Sample ID: 12
Operator ID: RMM Injection Vol: 1.00 ul
Column Type: RXI-5Sil MS Column Dia: 0.25 mm

Library Search Compound Match	CAS Number	Library	Entry	Quality
Benzo[e]pyrene	192-97-2	NIST98.L	127650	98
Benzo[k]fluoranthene	207-8-9	NIST98.L	93384	96
Benzo[j]fluoranthene	205-82-3	NIST98.L	93378	95



FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Buffalo | Job No.: 480-18068-1

SDG No.:

Client Sample ID: SB-A2 (10'-11') | Lab Sample ID: 480-18068-14

Matrix: Solid | Lab File ID: X5100.D

Analysis Method: 8270C | Date Collected: 04/03/2012 09:58

Extract. Method: 3550B | Date Extracted: 04/05/2012 10:44

Sample wt/vol: +30.71(g) | Date Analyzed: 04/09/2012 21:25

Con. Extract Vol.: 1(mL) | Dilution Factor: 5

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

% Moisture: 8.1 | GPC Cleanup:(Y/N) N

Analysis Batch No.: 58786 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
95-95-4	2,4,5-Trichlorophenol	ND		900	200
88-06-2	2,4,6-Trichlorophenol	ND		900	59
120-83-2	2,4-Dichlorophenol	ND		900	47
105-67-9	2,4-Dimethylphenol	ND		900	240
51-28-5	2,4-Dinitrophenol	ND		1800	310
121-14-2	2,4-Dinitrotoluene	ND		900	140
606-20-2	2,6-Dinitrotoluene	ND		900	220
91-58-7	2-Chloronaphthalene	ND		900	60
95-57-8	2-Chlorophenol	ND		900	46
91-57-6	2-Methylnaphthalene	48	J	900	11
95-48-7	2-Methylphenol	ND		900	28
88-74-4	2-Nitroaniline	ND		1800	290
88-75-5	2-Nitrophenol	ND		900	41
91-94-1	3,3'-Dichlorobenzidine	ND		900	790
99-09-2	3-Nitroaniline	ND		1800	210
534-52-1	4,6-Dinitro-2-methylphenol	ND		1800	310
101-55-3	4-Bromophenyl phenyl ether	ND		900	290
59-50-7	4-Chloro-3-methylphenol	ND		900	37
106-47-8	4-Chloroaniline	ND		900	260
7005-72-3	4-Chlorophenyl phenyl ether	ND		900	19
106-44-5	4-Methylphenol	ND		1800	50
100-01-6	4-Nitroaniline	ND		1800	100
100-02-7	4-Nitrophenol	ND	*	1800	220
83-32-9	Acenaphthene	170	J	900	11
208-96-8	Acenaphthylene	140	J	900	7.3
98-86-2	Acetophenone	ND		900	46
120-12-7	Anthracene	590	J	900	23
1912-24-9	Atrazine	ND	*	900	40
100-52-7	Benzaldehyde	ND		900	98
56-55-3	Benzo(a)anthracene	2000		900	15
50-32-8	Benzo(a)pyrene	1900		900	22
205-99-2	Benzo(b)fluoranthene	2500		900	17
191-24-2	Benzo(g,h,i)perylene	1100		900	11
207-08-9	Benzo(k)fluoranthene	890	J	900	9.9

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Buffalo | Job No.: 480-18068-1

SDG No.:

Client Sample ID: SB-A2 (10'-11') | Lab Sample ID: 480-18068-14

Matrix: Solid | Lab File ID: X5100.D

Analysis Method: 8270C | Date Collected: 04/03/2012 09:58

Extract. Method: 3550B | Date Extracted: 04/05/2012 10:44

Sample wt/vol: +30.71(g) | Date Analyzed: 04/09/2012 21:25

Con. Extract Vol.: 1(mL) | Dilution Factor: 5

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

% Moisture: 8.1 | GPC Cleanup:(Y/N) N

Analysis Batch No.: 58786 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
92-52-4	Biphenyl	ND		900	56
108-60-1	bis (2-chloroisopropyl) ether	ND		900	94
111-91-1	Bis(2-chloroethoxy)methane	ND		900	49
111-44-4	Bis(2-chloroethyl)ether	ND		900	77
117-81-7	Bis(2-ethylhexyl) phthalate	ND		900	290
85-68-7	Butyl benzyl phthalate	ND		900	240
105-60-2	Caprolactam	ND		900	390
86-74-8	Carbazole	250	J	900	10
218-01-9	Chrysene	2000		900	9.0
53-70-3	Dibenz(a,h)anthracene	370	J	900	11
132-64-9	Dibenzofuran	98	J	900	9.3
84-66-2	Diethyl phthalate	ND		900	27
131-11-3	Dimethyl phthalate	ND		900	23
84-74-2	Di-n-butyl phthalate	ND		900	310
117-84-0	Di-n-octyl phthalate	ND		900	21
206-44-0	Fluoranthene	4000		900	13
86-73-7	Fluorene	190	J	900	21
118-74-1	Hexachlorobenzene	ND		900	45
87-68-3	Hexachlorobutadiene	ND		900	46
77-47-4	Hexachlorocyclopentadiene	ND		900	270
67-72-1	Hexachloroethane	ND		900	69
193-39-5	Indeno(1,2,3-cd)pyrene	1100		900	25
78-59-1	Isophorone	ND		900	45
91-20-3	Naphthalene	75	J	900	15
98-95-3	Nitrobenzene	ND		900	40
621-64-7	N-Nitrosodi-n-propylamine	ND		900	71
86-30-6	N-Nitrosodiphenylamine	ND		900	49
87-86-5	Pentachlorophenol	ND		1800	310
85-01-8	Phenanthrene	2500		900	19
108-95-2	Phenol	ND		900	94
129-00-0	Pyrene	3200		900	5.8

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Buffalo | Job No.: 480-18068-1

SDG No.:

Client Sample ID: SB-A2 (10'-11') | Lab Sample ID: 480-18068-14

Matrix: Solid | Lab File ID: X5100.D

Analysis Method: 8270C | Date Collected: 04/03/2012 09:58

Extract. Method: 3550B | Date Extracted: 04/05/2012 10:44

Sample wt/vol: +30.71(g) | Date Analyzed: 04/09/2012 21:25

Con. Extract Vol.: 1(mL) | Dilution Factor: 5

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

% Moisture: 8.1 | GPC Cleanup:(Y/N) N

Analysis Batch No.: 58786 | Units: ug/Kg

CAS NO.	SURROGATE	%REC	Q	LIMITS
118-79-6	2,4,6-Tribromophenol	98		39-146
321-60-8	2-Fluorobiphenyl	93		37-120
367-12-4	2-Fluorophenol	69		18-120
4165-60-0	Nitrobenzene-d5	80		34-132
4165-62-2	Phenol-d5	82		11-120
1718-51-0	p-Terphenyl-d14	108		65-153

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

Lab Name: TestAmerica Buffalo | Job No.: 480-18068-1

SDG No.:

Client Sample ID: SB-A2 (10'-11') | Lab Sample ID: 480-18068-14

Matrix: Solid | Lab File ID: X5100.D

Analysis Method: 8270C | Date Collected: 04/03/2012 09:58

Extract. Method: 3550B | Date Extracted: 04/05/2012 10:44

Sample wt/vol: +30.71(g) | Date Analyzed: 04/09/2012 21:25

Con. Extract Vol.: 1(mL) | Dilution Factor: 5

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

% Moisture: 8.1 | GPC Cleanup:(Y/N) N

Analysis Batch No.: 58786 | Units: ug/Kg

Number TICs Found: 2 | TIC Result Total: 3800

CAS NO.	COMPOUND NAME	RT	RESULT	Q
	Unknown	2.32	2500	T J
192-97-2	Benzo[e]pyrene	14.76	1300	T J N

TestAmerica Laboratories
Target Compound Quantitation Report

Data File:	\\Bufchrom\ChromData\HP5973X\20120409-10842.b\X5100.D		
Lims ID:	480-18068-A-14-A	Client ID:	SB-A2 (10'-11')
Inject. Date:	09-Apr-2012 21:25:30	Dil. Factor:	5.0000
Sample Type:	Client		
Sample ID:	480-0010842-013		
Misc. Info.:			
Operator:	RMM	Instrument ID:	HP5973X
Vol. Injected:	1.0000	ALS Bottle#:	13
Lims Batch ID:	58786	Lims Sample ID:	13
Detector:	MS SCAN		
Method:	\\Bufchrom\ChromData\HP5973X\20120409-10842.b\X-8270.m		
Last Update:	10-Apr-2012 10:49:35	Calib Date:	09-Apr-2012 15:39:30
Quant Method:	Internal Standard	Quant By:	Initial Calibration
Last ICal File:	\\Bufchrom\ChromData\HP5973X\20120409-10830.b\X5085.D		
Limit Group:	MB - 8270C ICAL		
Integrator:	RTE	ID Type:	Deconvolution ID
Process Host:	CORP-CTX-19		
First Level Reviewer: mckernar		Date:	10-Apr-2012 10:54:13

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ng/uL	Flags
* 1 1,4-Dichlorobenzene-d4	152	6.034	6.040	-0.006	97	117451	40.0	
* 2 Naphthalene-d8	136	7.530	7.536	-0.006	93	411503	40.0	
* 3 Acenaphthene-d10	164	9.598	9.603	-0.005	54	232978	40.0	
* 4 Phenanthrene-d10	188	11.211	11.211	0.0	100	407114	40.0	
* 5 Chrysene-d12	240	13.620	13.620	0.0	100	394306	40.0	
* 6 Perylene-d12	264	14.865	14.865	0.0	99	482207	40.0	
$ 7 2-Fluorophenol	112	4.469	4.475	-0.006	95	96398	20.7	
$ 8 Phenol-d5	99	5.596	5.602	-0.006	74	135534	24.6	
$ 9 Nitrobenzene-d5	82	6.686	6.697	-0.011	95	74675	16.0	
$ 10 2-Fluorobiphenyl	172	8.812	8.823	-0.011	99	140452	18.6	
$ 11 2,4,6-Tribromophenol	330	10.490	10.501	-0.011	80	24822	29.4	
$ 12 p-Terphenyl-d14	244	12.702	12.707	-0.005	96	179669	21.6	
62 Benzaldehyde	77		5.532					
63 Phenol	94		5.618					
66 Bis(2-chloroethyl)ether	93		5.735					
67 2-Chlorophenol	128		5.789					
73 2-Methylphenol	108		6.339					
74 2,2'-oxybis[1-chloropropane]	45		6.376					
76 Acetophenone	105		6.515					
79 4-Methylphenol	108		6.526					
78 N-Nitrosodi-n-propylamine	70		6.531					
81 Hexachloroethane	117		6.633					
83 Nitrobenzene	77		6.724					
86 Isophorone	82		7.012					
87 2-Nitrophenol	139		7.098					
89 2,4-Dimethylphenol	107		7.162					
94 Bis(2-chloroethoxy)methane	93		7.279					
97 2,4-Dichlorophenol	162		7.381					
99 Naphthalene	128	7.557	7.557	-0.016	1	4293	0.4257	
101 4-Chloroaniline	127		7.648					
104 Hexachlorobutadiene	225		7.723					

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ng/uL	Flags
105 Caprolactam	113		8.038					
110 4-Chloro-3-methylphenol	107		8.214					
113 2-Methylnaphthalene	142	8.369	8.369	-0.016	10	1677	0.2694	
116 Hexachlorocyclopentadiene	237		8.567					
118 2,4,6-Trichlorophenol	196		8.716					
119 2,4,5-Trichlorophenol	196		8.754					
123 1,1'-Biphenyl	154		8.930					
124 2-Chloronaphthalene	162		8.951					
125 2-Nitroaniline	65		9.090					
128 Dimethyl phthalate	163		9.320					
130 2,6-Dinitrotoluene	165		9.384					
131 Acenaphthylene	152	9.432	9.432	-0.011	32	8211	0.8057	
132 3-Nitroaniline	138		9.582					
133 Acenaphthene	153	9.635	9.646	-0.011	72	5796	0.9393	
134 2,4-Dinitrophenol	184		9.699					
135 4-Nitrophenol	109		9.785					
138 Dibenzofuran	168	9.838	9.838	-0.011	17	4922	0.5513	
137 2,4-Dinitrotoluene	165		9.854					
142 Diethyl phthalate	149		10.143					
144 Fluorene	166	10.223	10.239	-0.016	72	8023	1.09	
145 4-Chlorophenyl phenyl ether	204		10.250					
147 4-Nitroaniline	138		10.282					
148 4,6-Dinitro-2-methylphenol	198		10.308					
149 N-Nitrosodiphenylamine	169		10.383					
159 4-Bromophenyl phenyl ether	248		10.773					
160 Hexachlorobenzene	284		10.821					
163 Atrazine	200		10.955					
165 Pentachlorophenol	266		11.030					
171 Phenanthrene	178	11.232	11.238	-0.006	99	139189	14.0	
172 Anthracene	178	11.281	11.291	-0.010	96	33555	3.35	
173 Carbazole	167	11.446	11.457	-0.011	62	13768	1.41	
176 Di-n-butyl phthalate	149		11.804					
182 Fluoranthene	202	12.354	12.360	-0.006	98	268464	22.8	
185 Pyrene	202	12.557	12.568	-0.011	98	226671	18.2	
192 Butyl benzyl phthalate	149		13.134					
196 3,3'-Dichlorobenzidine	252		13.594					
197 Benzo[a]anthracene	228	13.604	13.615	-0.011	64	132541	11.3	
198 Bis(2-ethylhexyl) phthalate	149		13.626					
199 Chrysene	228	13.642	13.647	-0.005	98	136078	11.5	
201 Di-n-octyl phthalate	149		14.165					
203 Benzo[b]fluoranthene	252	14.518	14.523	-0.005	99	179135	13.9	
204 Benzo[k]fluoranthene	252	14.539	14.539	-0.011	91	68280	5.00	M
206 Benzo[a]pyrene	252	14.812	14.823	-0.011	99	119331	10.5	
208 Indeno[1,2,3-cd]pyrene	276	15.928	15.944	-0.016	89	77214	6.09	
209 Dibenz(a,h)anthracene	278	15.934	15.934	-0.021	34	23639	2.10	
210 Benzo[g,h,i]perylene	276	16.238	16.254	-0.016	96	66765	6.24	

QC Flag Legend

Review Flags
M - Manually Integrated

TestAmerica Laboratories
Tentatively Identified Quantitation Report

Data File:	\\Bufchrom\ChromData\HP5973X\20120409-10842.b\X5100.D		
Lims ID:	480-18068-A-14-A	Client ID:	SB-A2 (10'-11')
Inject. Date:	09-Apr-2012 21:25:30	Dil. Factor:	5.0000
Sample Type:	Client		
Sample ID:	480-0010842-013		
Misc. Info.:			
Operator:	RMM	Instrument ID:	HP5973X
Vol. Injected:	1.0000	ALS Bottle#:	13
Lims Batch ID:	58786	Lims Sample ID:	13
Detector:	MS SCAN		
Method:	\\Bufchrom\ChromData\HP5973X\20120409-10842.b\X-8270.m		
Last Update:	10-Apr-2012 10:49:35	Calib Date:	09-Apr-2012 15:39:30
Tic RT Window:	1.500 -0.000	Response:	area
Quant By:	Nearest ISTD	Quant LOD:	10.00000
MS Library:	\\Bufchrom\ChromData\Database\NIST98.L		
Min. Match:	85		
Process Host:	CORP-CTX-19		
First Level Reviewer: mckernar		Date:	10-Apr-2012 10:54:13

Calibrated Tentative Identified Compound Results

Compound	RT	Response	Amount ng/uL	Flags
Anthraquinone	12.002	5324		

Tentative Identified Compound Results

RT	Response	Amount ng/uL	Quant Cpnd	Qual	Lib Entry	Flags
	Unknown					
2.316	269090	14.2	1			
	192-97-2	Benzo[e]pyrene				
14.764	235193	7.22	6	93	127650	

Quantitation Compounds

Compound	RT	Response	Amount ng/uL
* 1 1,4-Dichlorobenzene-d4	6.034	760653	40.0
* 6 Perylene-d12	14.865	1303562	40.0

QC Flag Legend

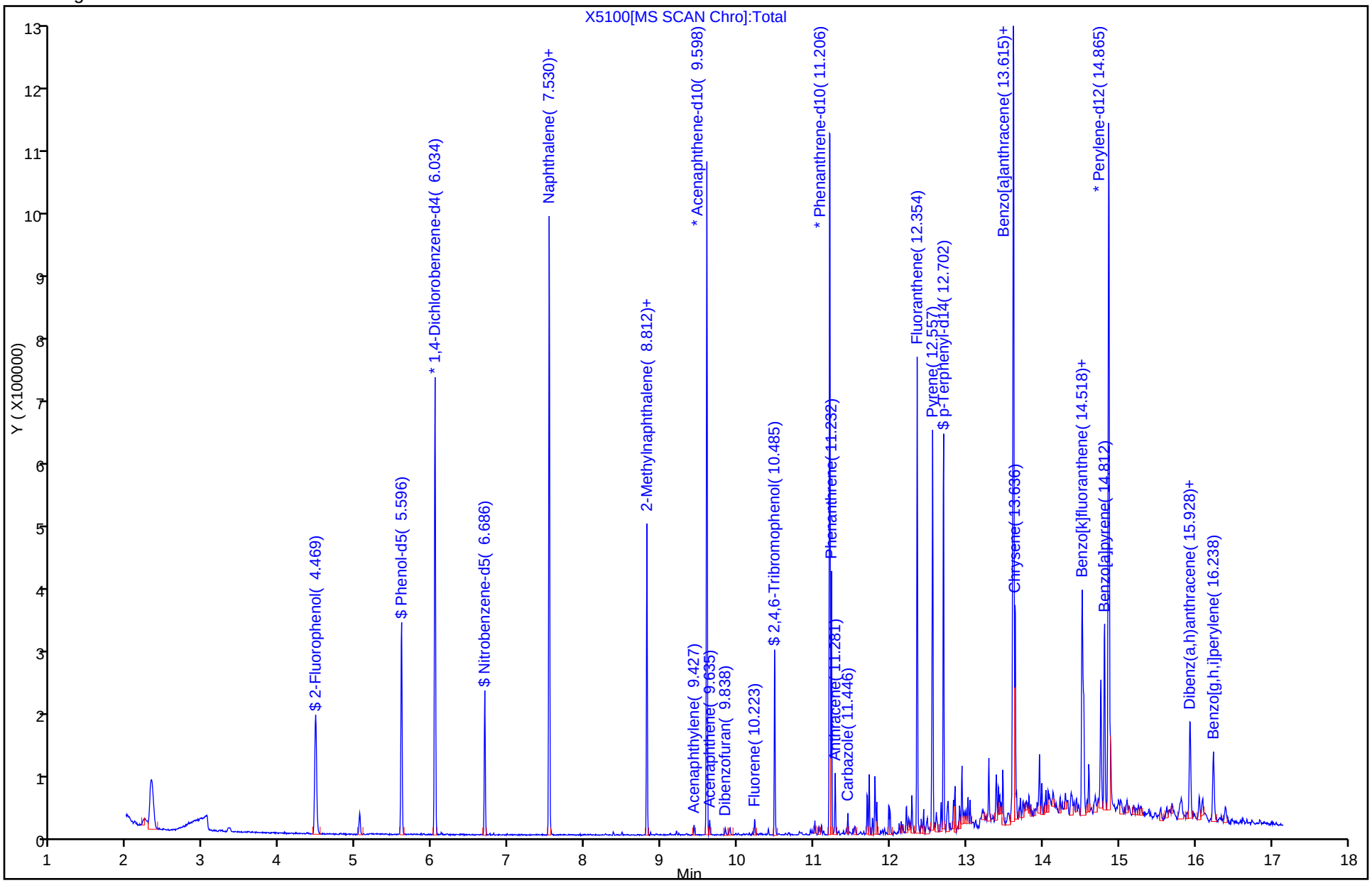
Processing Flags

Report Date: 10-Apr-2012 10:54:13 Chrom Revision: 2.0 20-Feb-2012 13:27:02

Data File: \\Bufchrom\ChromData\HP5973X\20120409-10842.b\X5100.D

Injection Date:	09-Apr-2012 21:25:30	Limit Group:	MB - 8270C ICAL
Client ID:	SB-A2 (10'-11')	Instrument ID:	HP5973X
Lims Batch ID:	58786	Lims Sample ID:	13
Operator ID:	RMM	Injection Vol:	1.00 ul
Column Type:	RXI-5Sil MS	Column Dia:	0.25 mm

Y Scaling:

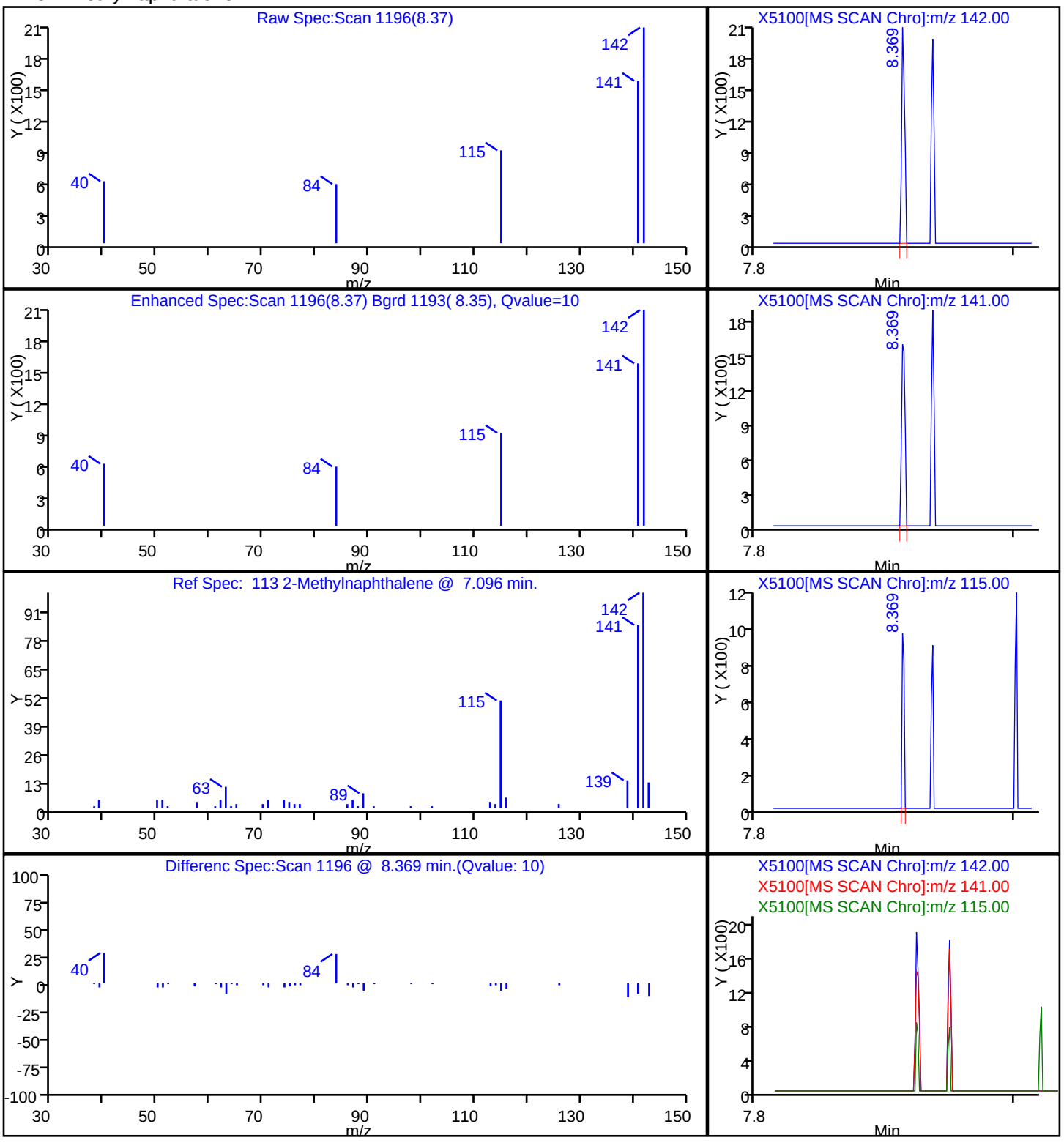


Report Date: 10-Apr-2012 10:54:14 Chrom Revision: 2.0 20-Feb-2012 13:27:02

Data File: \\Bufchrom\ChromData\HP5973X\20120409-10842.b\X5100.D

Injection Date:	09-Apr-2012 21:25:30	Limit Group:	MB - 8270C ICAL
Client ID:	SB-A2 (10'-11')	Instrument ID:	HP5973X
Lims Batch ID:	58786	Lims Sample ID:	13
Operator ID:	RMM	Injection Vol:	1.00 ul
Column Type:	RXI-5Sil MS	Column Dia:	0.25 mm

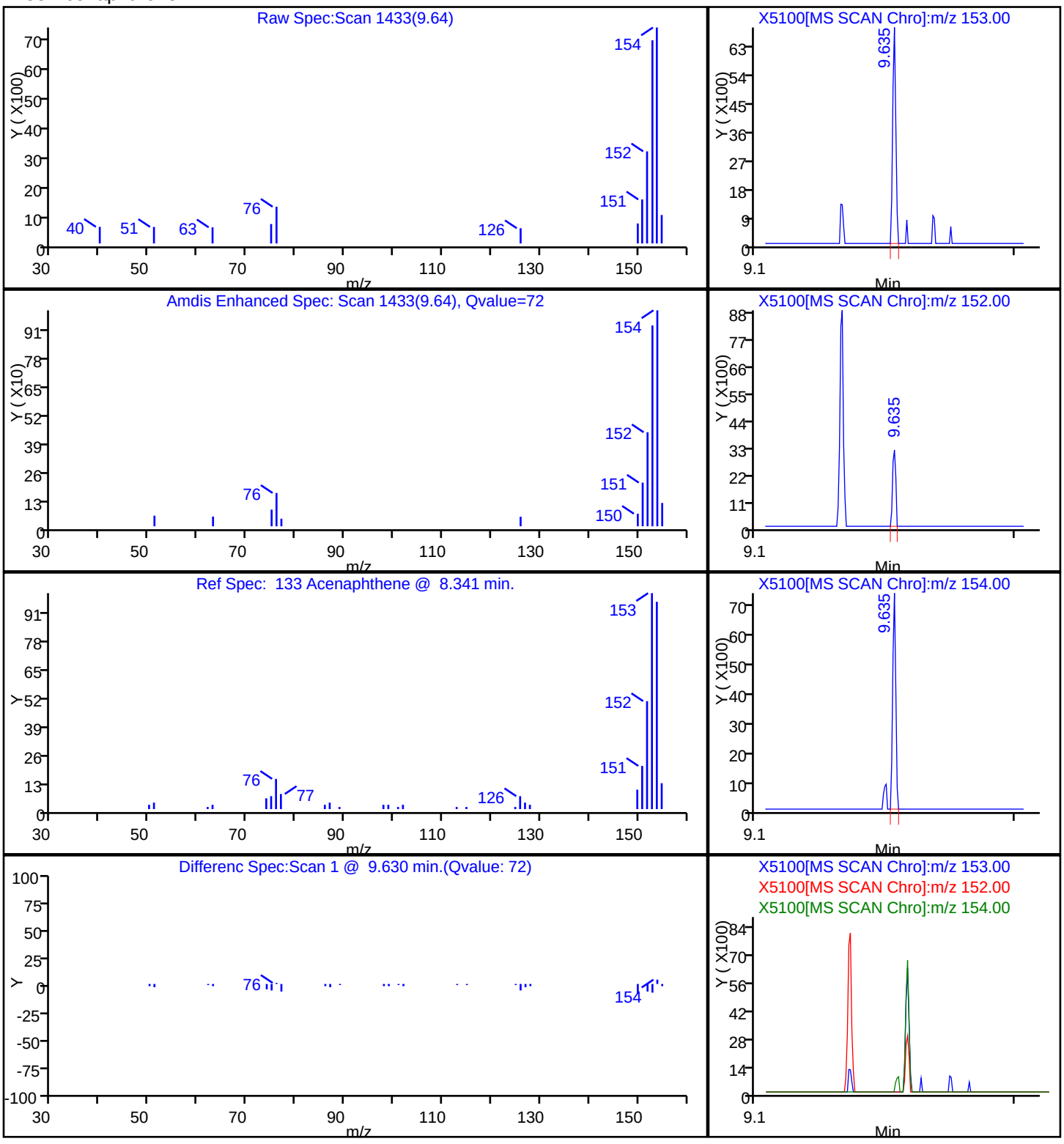
113 2-Methylnaphthalene



Report Date: 10-Apr-2012 10:54:14 Chrom Revision: 2.0 20-Feb-2012 13:27:02

Data File:	\\Bufchrom\ChromData\HP5973X\20120409-10842.b\X5100.D		
Injection Date:	09-Apr-2012 21:25:30	Limit Group:	MB - 8270C ICAL
Client ID:	SB-A2 (10'-11')	Instrument ID:	HP5973X
Lims Batch ID:	58786	Lims Sample ID:	13
Operator ID:	RMM	Injection Vol:	1.00 ul
Column Type:	RXI-5Sil MS	Column Dia:	0.25 mm

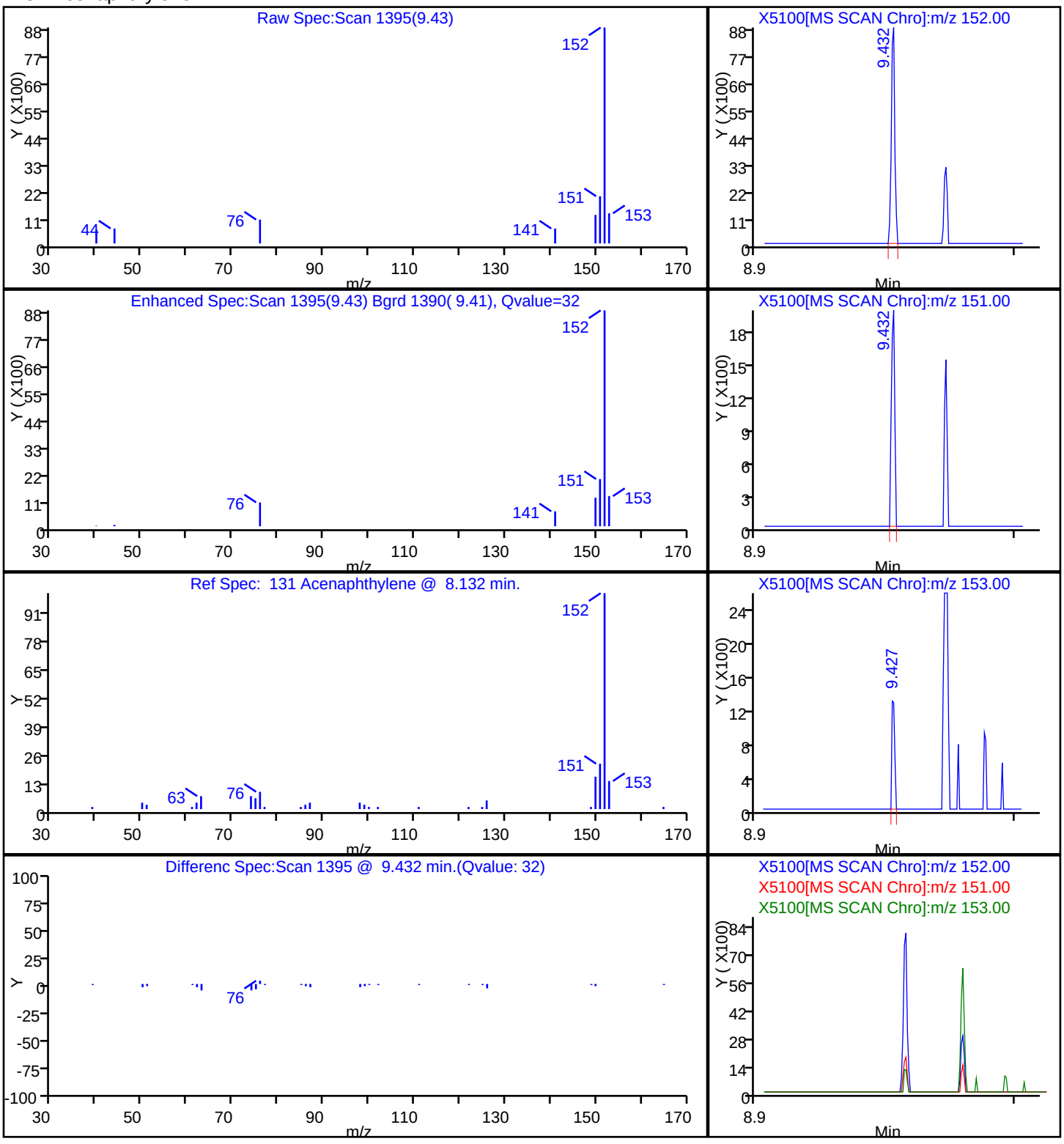
133 Acenaphthene



Report Date: 10-Apr-2012 10:54:14 Chrom Revision: 2.0 20-Feb-2012 13:27:02

Data File:	\\Bufchrom\ChromData\HP5973X\20120409-10842.b\X5100.D		
Injection Date:	09-Apr-2012 21:25:30	Limit Group:	MB - 8270C ICAL
Client ID:	SB-A2 (10'-11')	Instrument ID:	HP5973X
Lims Batch ID:	58786	Lims Sample ID:	13
Operator ID:	RMM	Injection Vol:	1.00 ul
Column Type:	RXI-5Sil MS	Column Dia:	0.25 mm

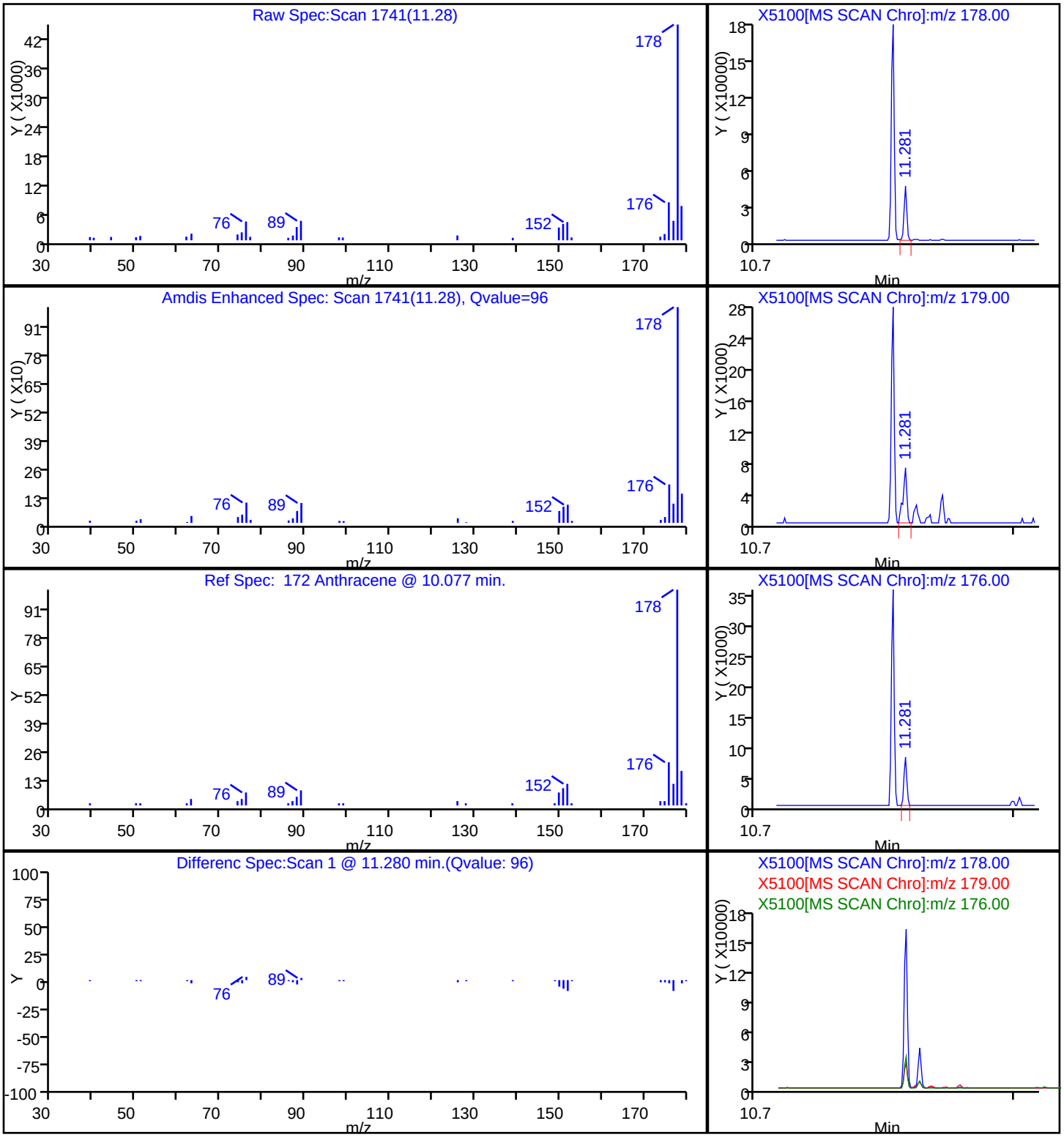
131 Acenaphthylene



Report Date: 10-Apr-2012 10:54:14 Chrom Revision: 2.0 20-Feb-2012 13:27:02

Data File:	\\Bufchrom\ChromData\HP5973X\20120409-10842.b\X5100.D		
Injection Date:	09-Apr-2012 21:25:30	Limit Group:	MB - 8270C ICAL
Client ID:	SB-A2 (10'-11')	Instrument ID:	HP5973X
Lims Batch ID:	58786	Lims Sample ID:	13
Operator ID:	RMM	Injection Vol:	1.00 ul
Column Type:	RXI-5Sil MS	Column Dia:	0.25 mm

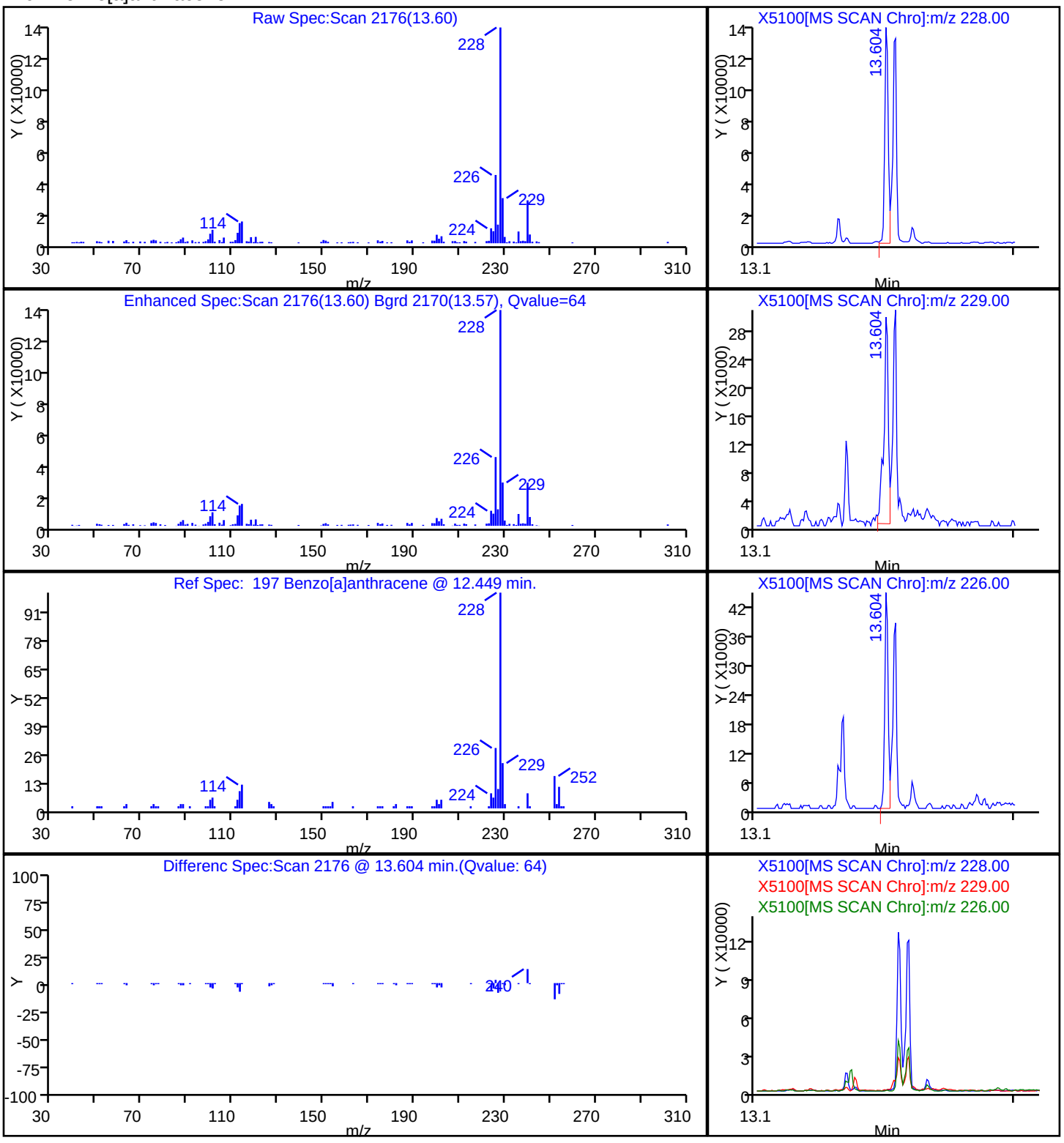
172 Anthracene



Report Date: 10-Apr-2012 10:54:14 Chrom Revision: 2.0 20-Feb-2012 13:27:02

Data File:	\\Bufchrom\ChromData\HP5973X\20120409-10842.b\X5100.D		
Injection Date:	09-Apr-2012 21:25:30	Limit Group:	MB - 8270C ICAL
Client ID:	SB-A2 (10'-11')	Instrument ID:	HP5973X
Lims Batch ID:	58786	Lims Sample ID:	13
Operator ID:	RMM	Injection Vol:	1.00 ul
Column Type:	RXI-5Sil MS	Column Dia:	0.25 mm

197 Benzo[a]anthracene

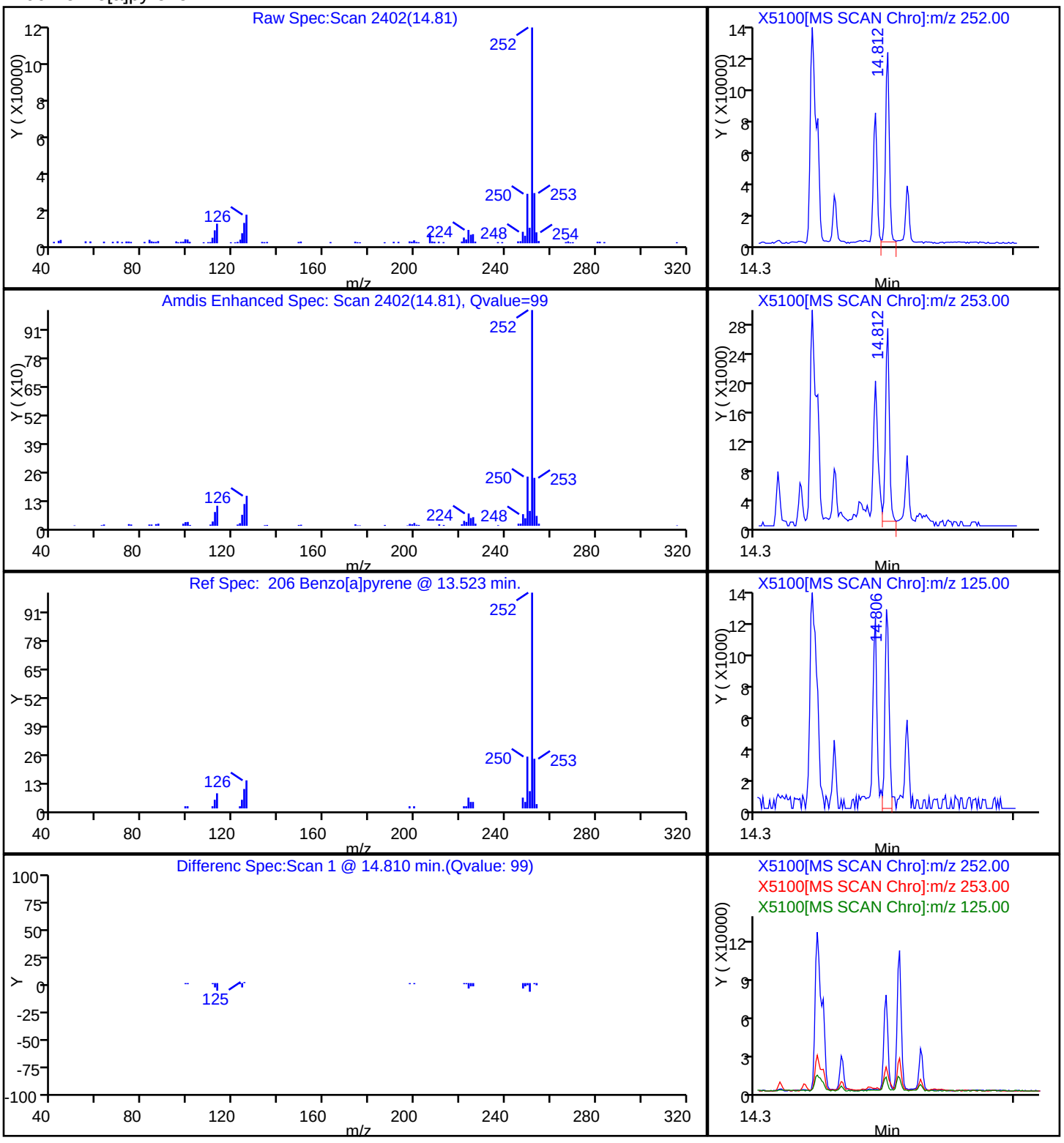


Report Date: 10-Apr-2012 10:54:14 Chrom Revision: 2.0 20-Feb-2012 13:27:02

Data File: \\Bufchrom\ChromData\HP5973X\20120409-10842.b\X5100.D

Injection Date:	09-Apr-2012 21:25:30	Limit Group:	MB - 8270C ICAL
Client ID:	SB-A2 (10'-11')	Instrument ID:	HP5973X
Lims Batch ID:	58786	Lims Sample ID:	13
Operator ID:	RMM	Injection Vol:	1.00 ul
Column Type:	RXI-5Sil MS	Column Dia:	0.25 mm

206 Benzo[a]pyrene

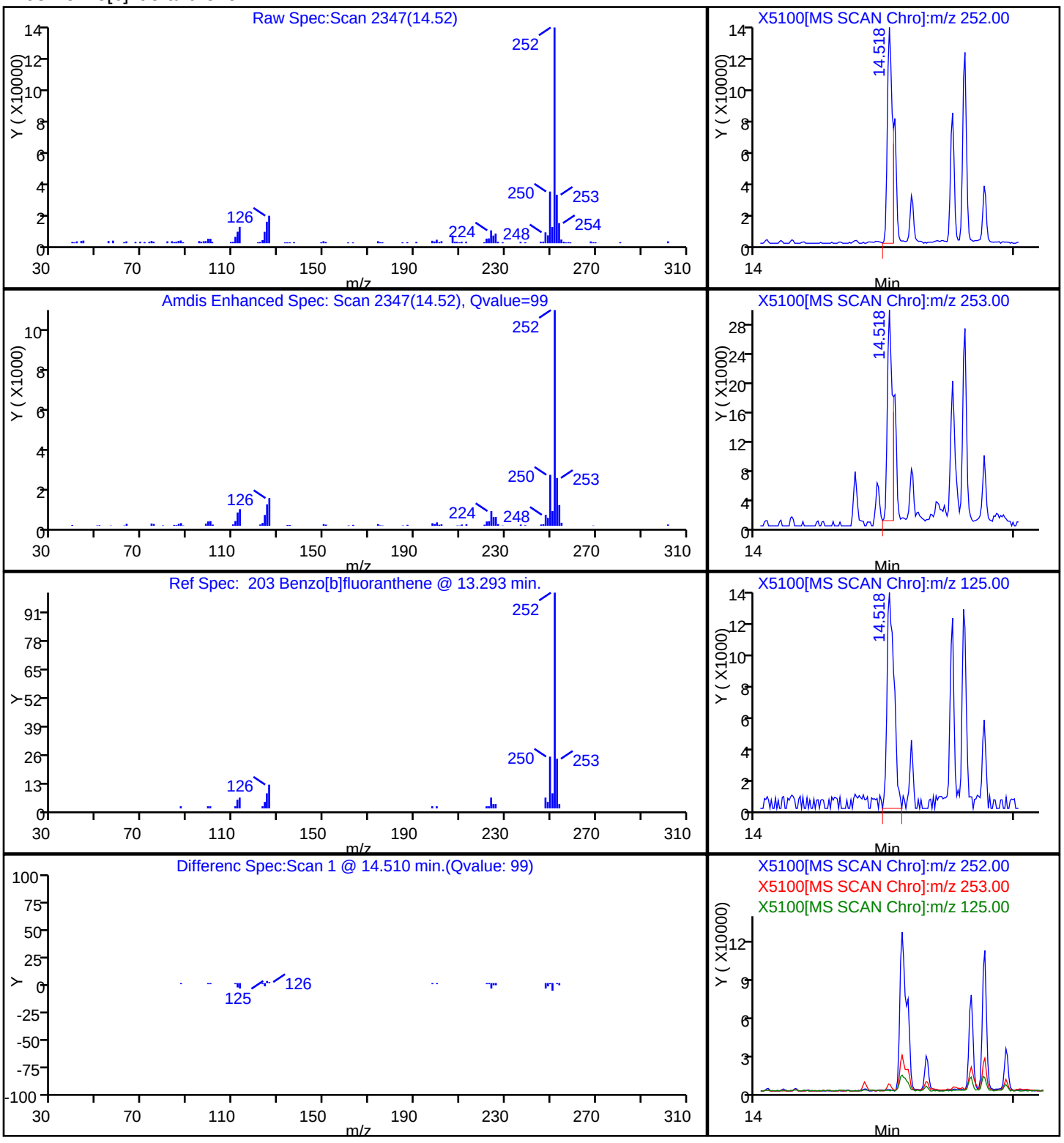


Report Date: 10-Apr-2012 10:54:14 Chrom Revision: 2.0 20-Feb-2012 13:27:02

Data File: \\Bufchrom\ChromData\HP5973X\20120409-10842.b\X5100.D

Injection Date:	09-Apr-2012 21:25:30	Limit Group:	MB - 8270C ICAL
Client ID:	SB-A2 (10'-11')	Instrument ID:	HP5973X
Lims Batch ID:	58786	Lims Sample ID:	13
Operator ID:	RMM	Injection Vol:	1.00 ul
Column Type:	RXI-5Sil MS	Column Dia:	0.25 mm

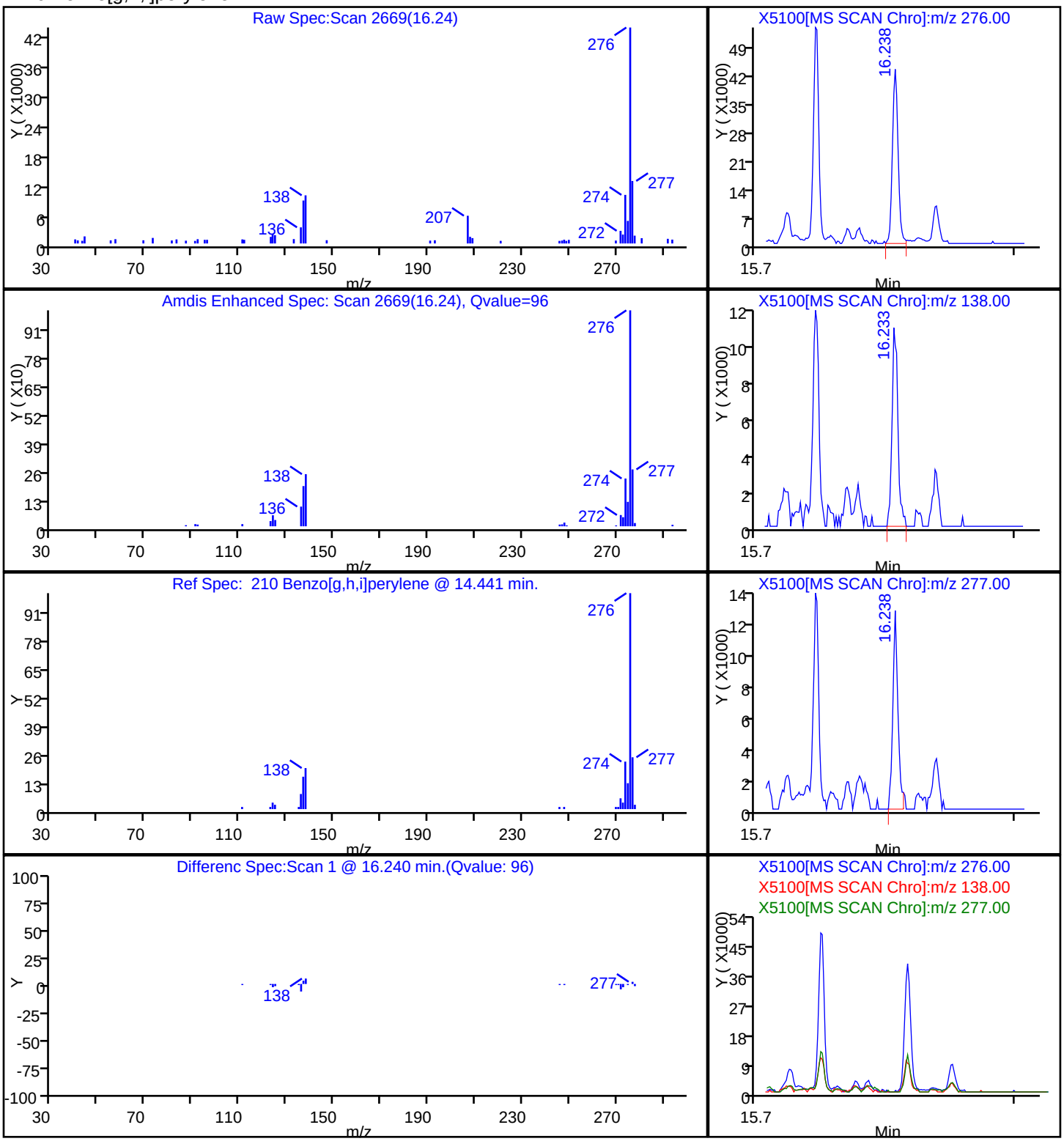
203 Benzo[b]fluoranthene



Report Date: 10-Apr-2012 10:54:14 Chrom Revision: 2.0 20-Feb-2012 13:27:02

Data File:	\\Bufchrom\ChromData\HP5973X\20120409-10842.b\X5100.D		
Injection Date:	09-Apr-2012 21:25:30	Limit Group:	MB - 8270C ICAL
Client ID:	SB-A2 (10'-11')	Instrument ID:	HP5973X
Lims Batch ID:	58786	Lims Sample ID:	13
Operator ID:	RMM	Injection Vol:	1.00 ul
Column Type:	RXI-5Sil MS	Column Dia:	0.25 mm

210 Benzo[g,h,i]perylene

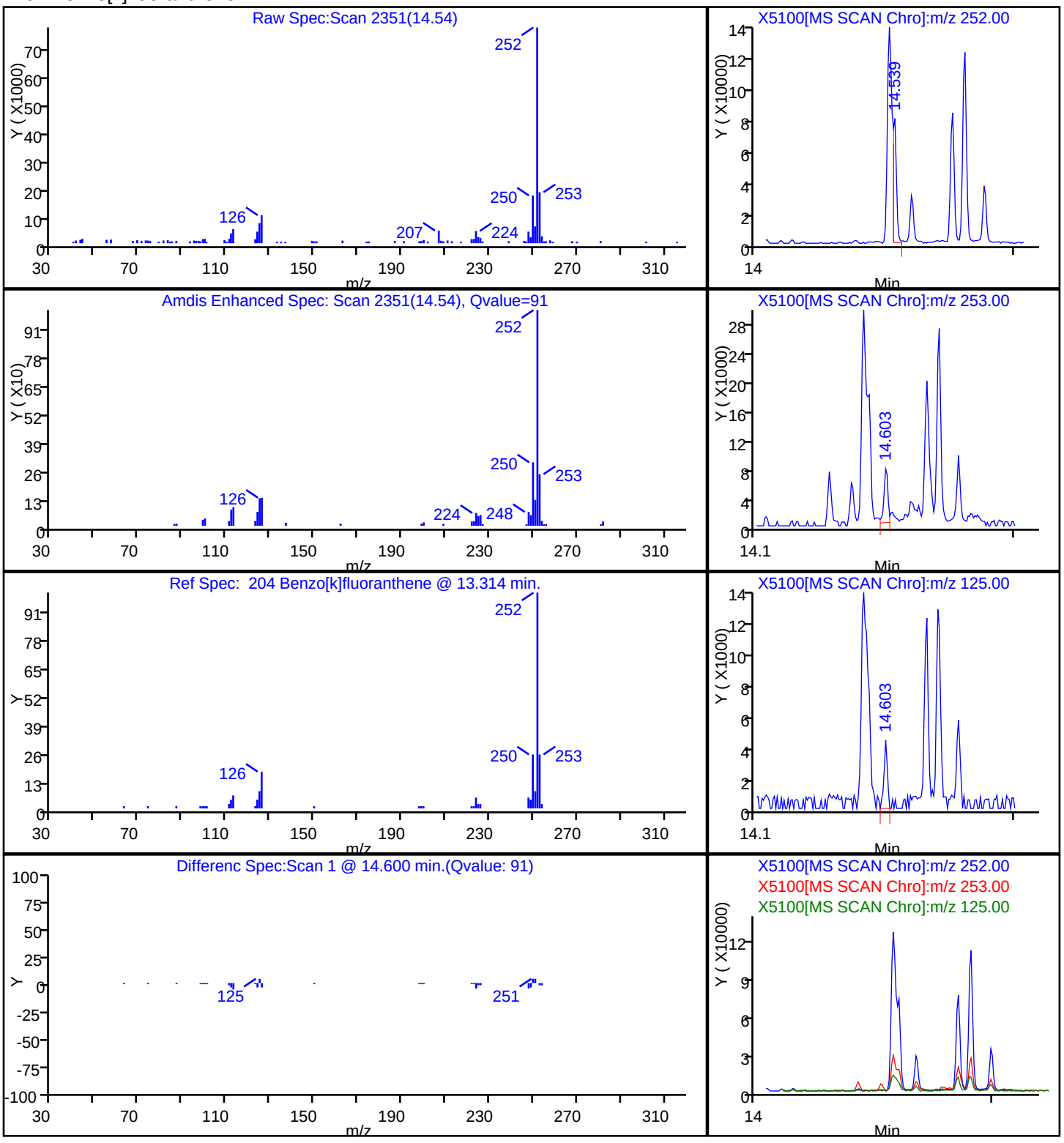


Report Date: 10-Apr-2012 10:54:14 Chrom Revision: 2.0 20-Feb-2012 13:27:02

Data File: \\Bufchrom\ChromData\HP5973X\20120409-10842.b\X5100.D

Injection Date:	09-Apr-2012 21:25:30	Limit Group:	MB - 8270C ICAL
Client ID:	SB-A2 (10'-11')	Instrument ID:	HP5973X
Lims Batch ID:	58786	Lims Sample ID:	13
Operator ID:	RMM	Injection Vol:	1.00 ul
Column Type:	RXI-5Sil MS	Column Dia:	0.25 mm

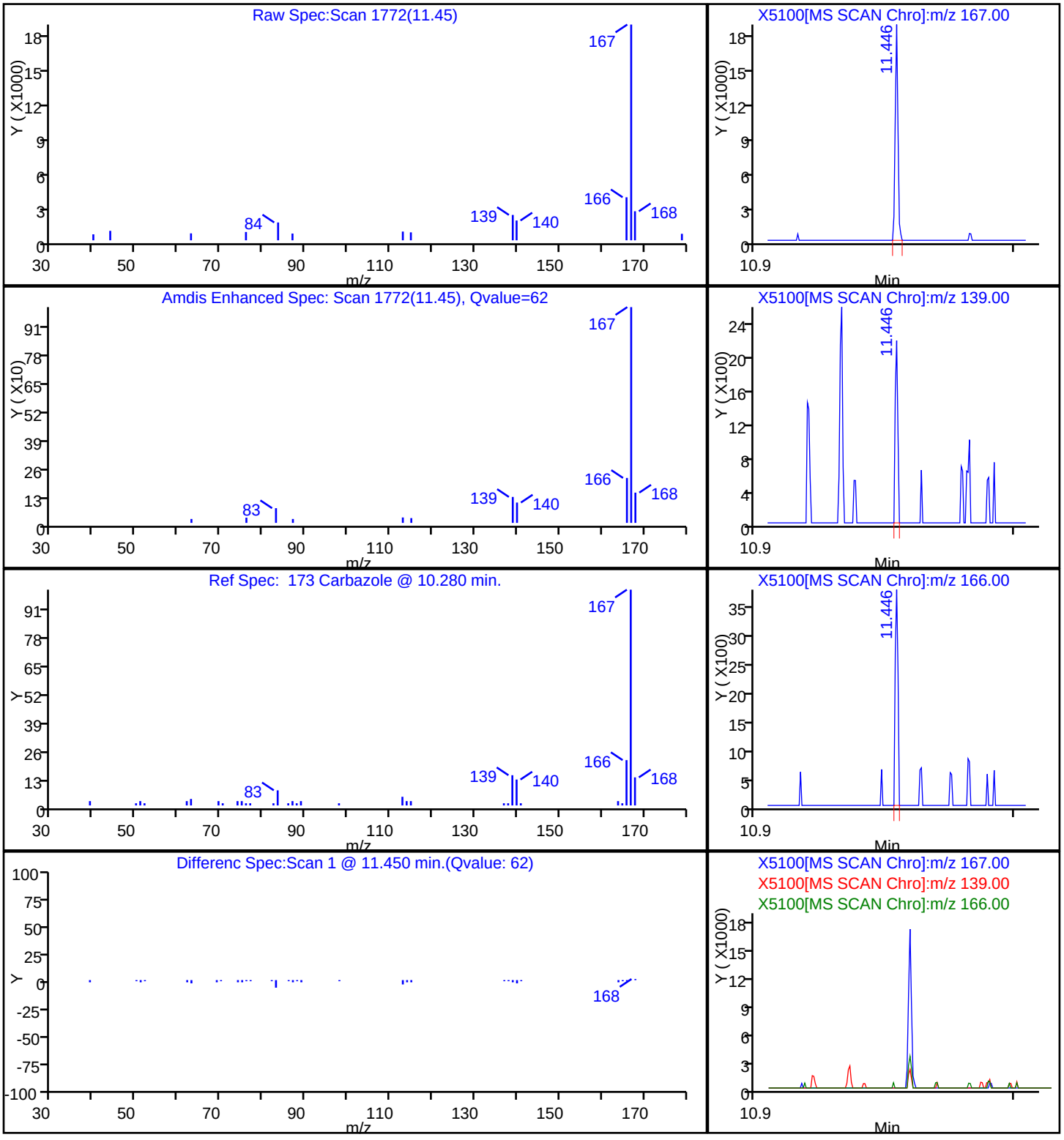
204 Benzo[k]fluoranthene



Report Date: 10-Apr-2012 10:54:14 Chrom Revision: 2.0 20-Feb-2012 13:27:02

Data File:	\\Bufchrom\ChromData\HP5973X\20120409-10842.b\X5100.D		
Injection Date:	09-Apr-2012 21:25:30	Limit Group:	MB - 8270C ICAL
Client ID:	SB-A2 (10'-11')	Instrument ID:	HP5973X
Lims Batch ID:	58786	Lims Sample ID:	13
Operator ID:	RMM	Injection Vol:	1.00 ul
Column Type:	RXI-5Sil MS	Column Dia:	0.25 mm

173 Carbazole

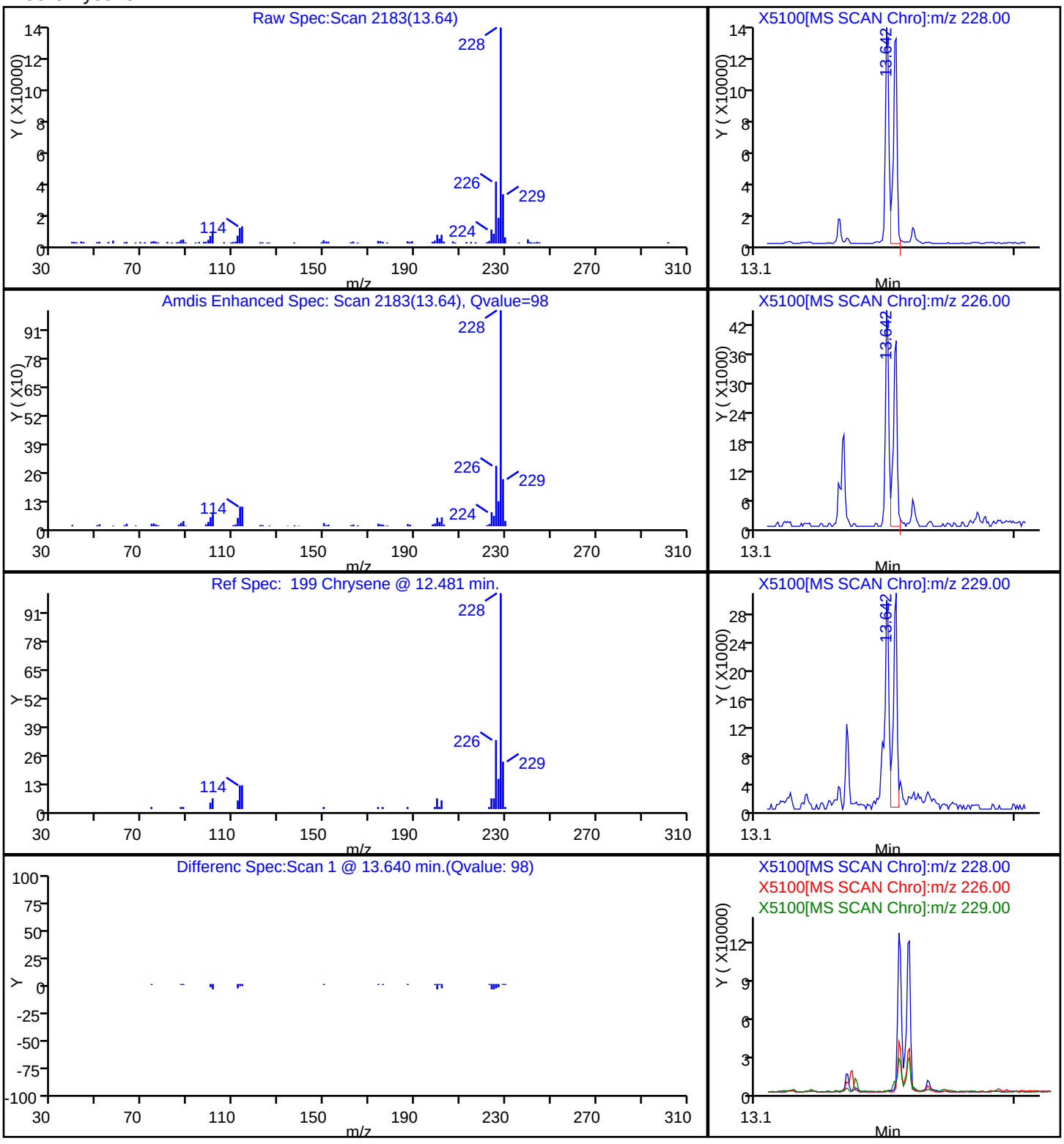


Report Date: 10-Apr-2012 10:54:14 Chrom Revision: 2.0 20-Feb-2012 13:27:02

Data File: \\Bufchrom\ChromData\HP5973X\20120409-10842.b\X5100.D

Injection Date:	09-Apr-2012 21:25:30	Limit Group:	MB - 8270C ICAL
Client ID:	SB-A2 (10'-11')	Instrument ID:	HP5973X
Lims Batch ID:	58786	Lims Sample ID:	13
Operator ID:	RMM	Injection Vol:	1.00 ul
Column Type:	RXI-5Sil MS	Column Dia:	0.25 mm

199 Chrysene

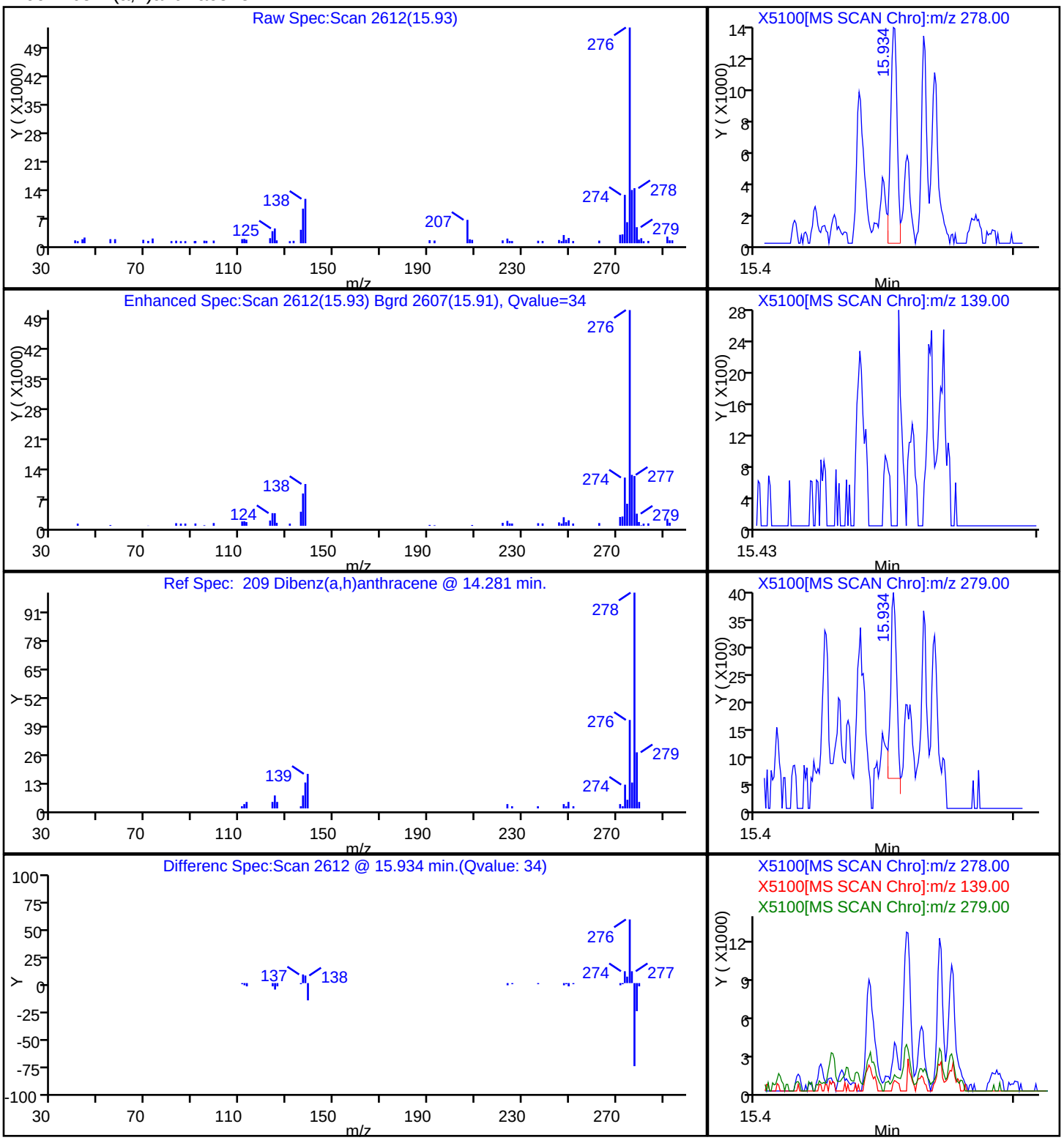


Report Date: 10-Apr-2012 10:54:14 Chrom Revision: 2.0 20-Feb-2012 13:27:02

Data File: \\Bufchrom\ChromData\HP5973X\20120409-10842.b\X5100.D

Injection Date:	09-Apr-2012 21:25:30	Limit Group:	MB - 8270C ICAL
Client ID:	SB-A2 (10'-11')	Instrument ID:	HP5973X
Lims Batch ID:	58786	Lims Sample ID:	13
Operator ID:	RMM	Injection Vol:	1.00 ul
Column Type:	RXI-5Sil MS	Column Dia:	0.25 mm

209 Dibenz(a,h)anthracene

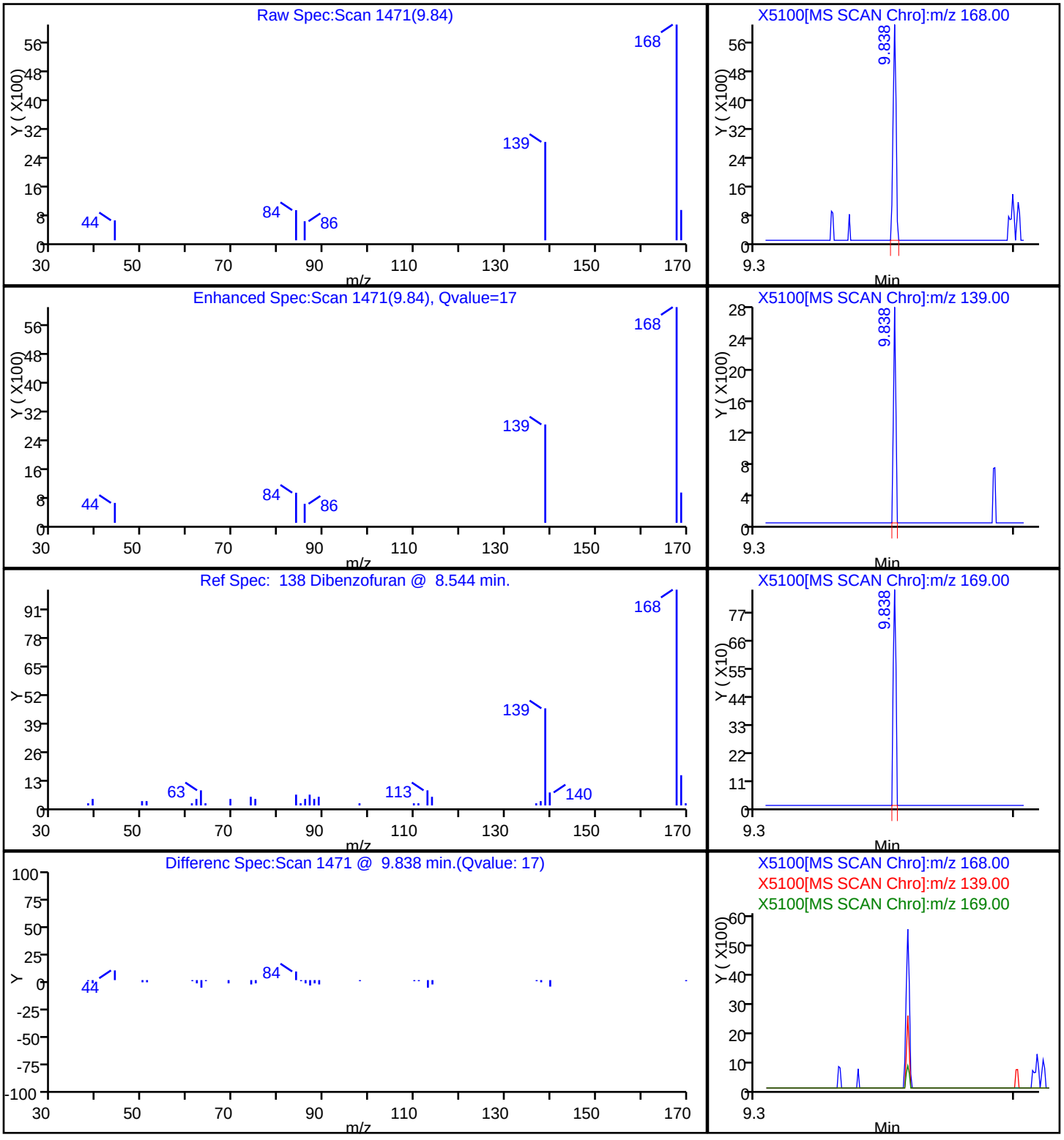


Report Date: 10-Apr-2012 10:54:14 Chrom Revision: 2.0 20-Feb-2012 13:27:02

Data File: \\Bufchrom\ChromData\HP5973X\20120409-10842.b\X5100.D

Injection Date:	09-Apr-2012 21:25:30	Limit Group:	MB - 8270C ICAL
Client ID:	SB-A2 (10'-11')	Instrument ID:	HP5973X
Lims Batch ID:	58786	Lims Sample ID:	13
Operator ID:	RMM	Injection Vol:	1.00 ul
Column Type:	RXI-5Sil MS	Column Dia:	0.25 mm

138 Dibenzofuran

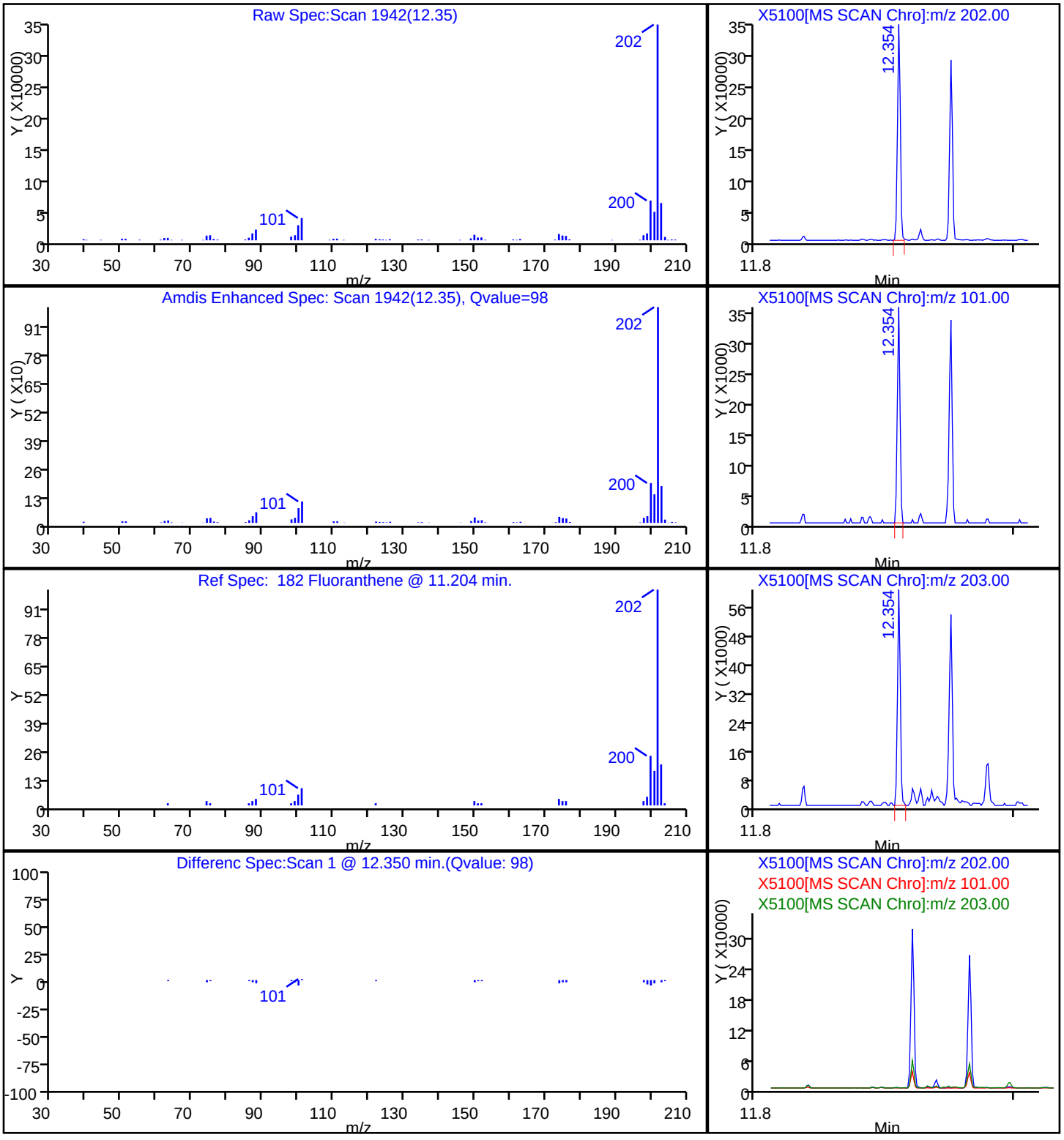


Report Date: 10-Apr-2012 10:54:14 Chrom Revision: 2.0 20-Feb-2012 13:27:02

Data File: \\Bufchrom\ChromData\HP5973X\20120409-10842.b\X5100.D

Injection Date:	09-Apr-2012 21:25:30	Limit Group:	MB - 8270C ICAL
Client ID:	SB-A2 (10'-11')	Instrument ID:	HP5973X
Lims Batch ID:	58786	Lims Sample ID:	13
Operator ID:	RMM	Injection Vol:	1.00 ul
Column Type:	RXI-5Sil MS	Column Dia:	0.25 mm

182 Fluoranthene

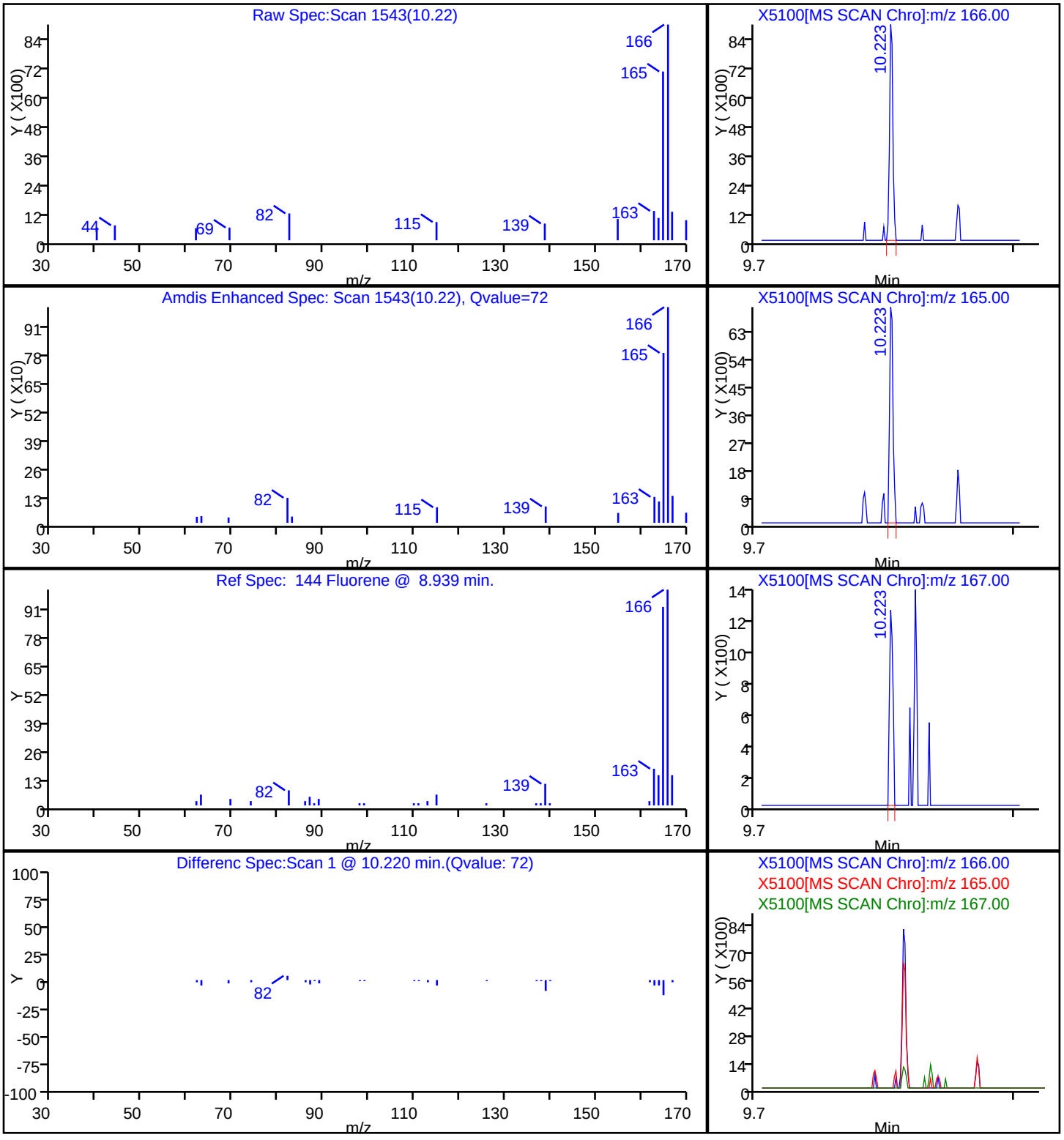


Report Date: 10-Apr-2012 10:54:14 Chrom Revision: 2.0 20-Feb-2012 13:27:02

Data File: \\Bufchrom\ChromData\HP5973X\20120409-10842.b\X5100.D

Injection Date:	09-Apr-2012 21:25:30	Limit Group:	MB - 8270C ICAL
Client ID:	SB-A2 (10'-11')	Instrument ID:	HP5973X
Lims Batch ID:	58786	Lims Sample ID:	13
Operator ID:	RMM	Injection Vol:	1.00 ul
Column Type:	RXI-5Sil MS	Column Dia:	0.25 mm

144 Fluorene

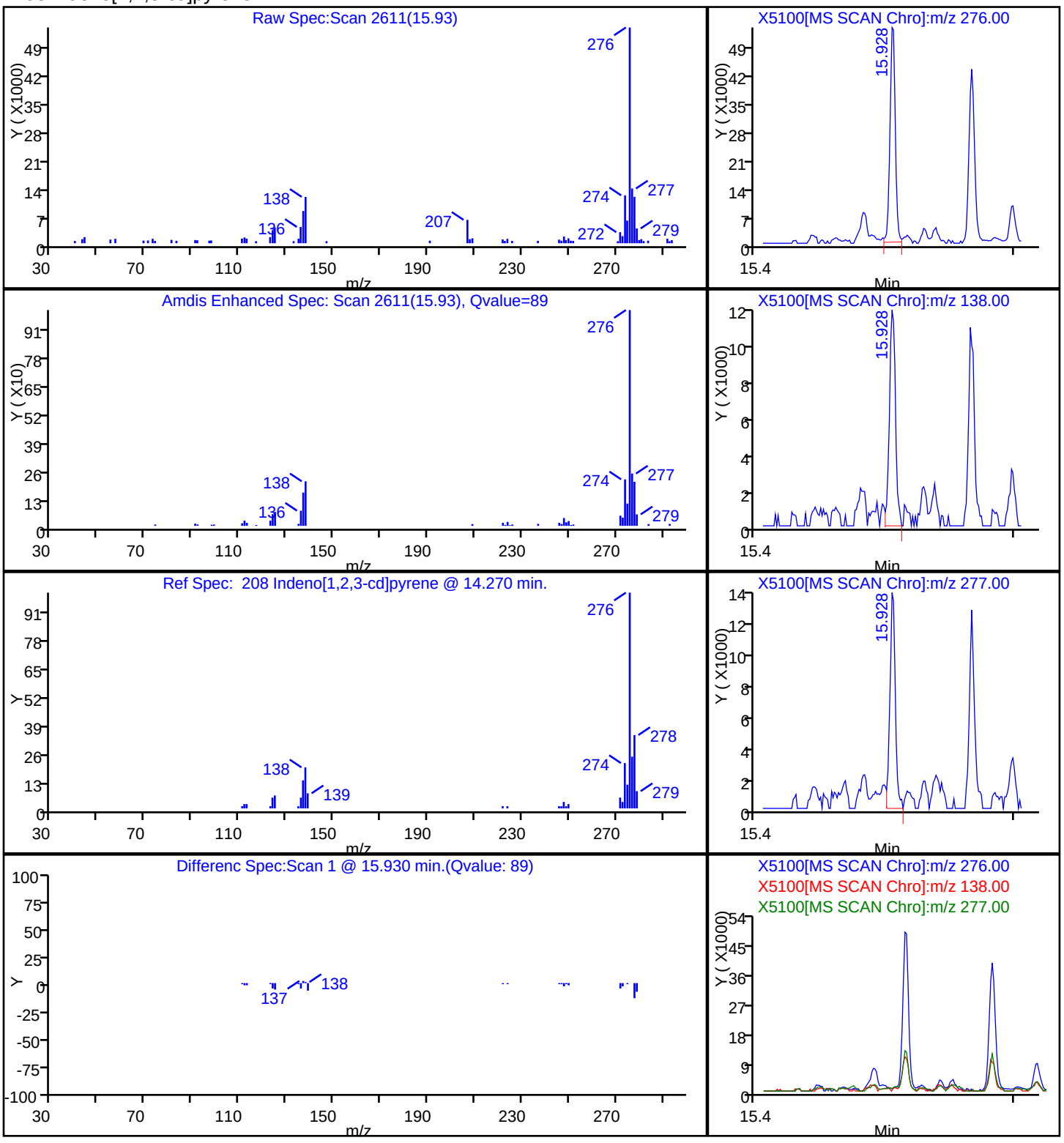


Report Date: 10-Apr-2012 10:54:14 Chrom Revision: 2.0 20-Feb-2012 13:27:02

Data File: \\Bufchrom\ChromData\HP5973X\20120409-10842.b\X5100.D

Injection Date:	09-Apr-2012 21:25:30	Limit Group:	MB - 8270C ICAL
Client ID:	SB-A2 (10'-11')	Instrument ID:	HP5973X
Lims Batch ID:	58786	Lims Sample ID:	13
Operator ID:	RMM	Injection Vol:	1.00 ul
Column Type:	RXI-5Sil MS	Column Dia:	0.25 mm

208 Indeno[1,2,3-cd]pyrene

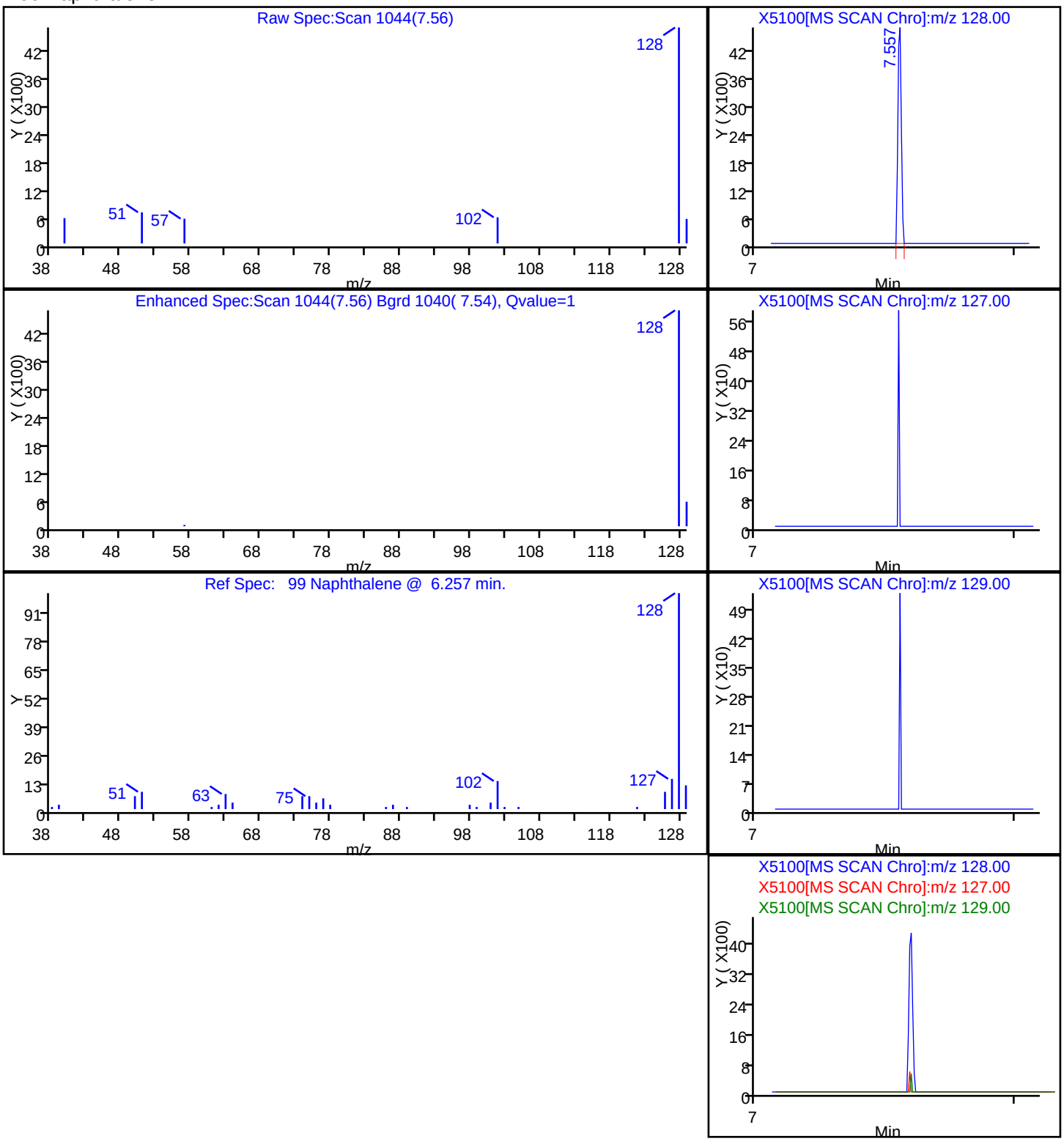


Report Date: 10-Apr-2012 10:54:14 Chrom Revision: 2.0 20-Feb-2012 13:27:02

Data File: \\Bufchrom\ChromData\HP5973X\20120409-10842.b\X5100.D

Injection Date:	09-Apr-2012 21:25:30	Limit Group:	MB - 8270C ICAL
Client ID:	SB-A2 (10'-11')	Instrument ID:	HP5973X
Lims Batch ID:	58786	Lims Sample ID:	13
Operator ID:	RMM	Injection Vol:	1.00 ul
Column Type:	RXI-5Sil MS	Column Dia:	0.25 mm

99 Naphthalene

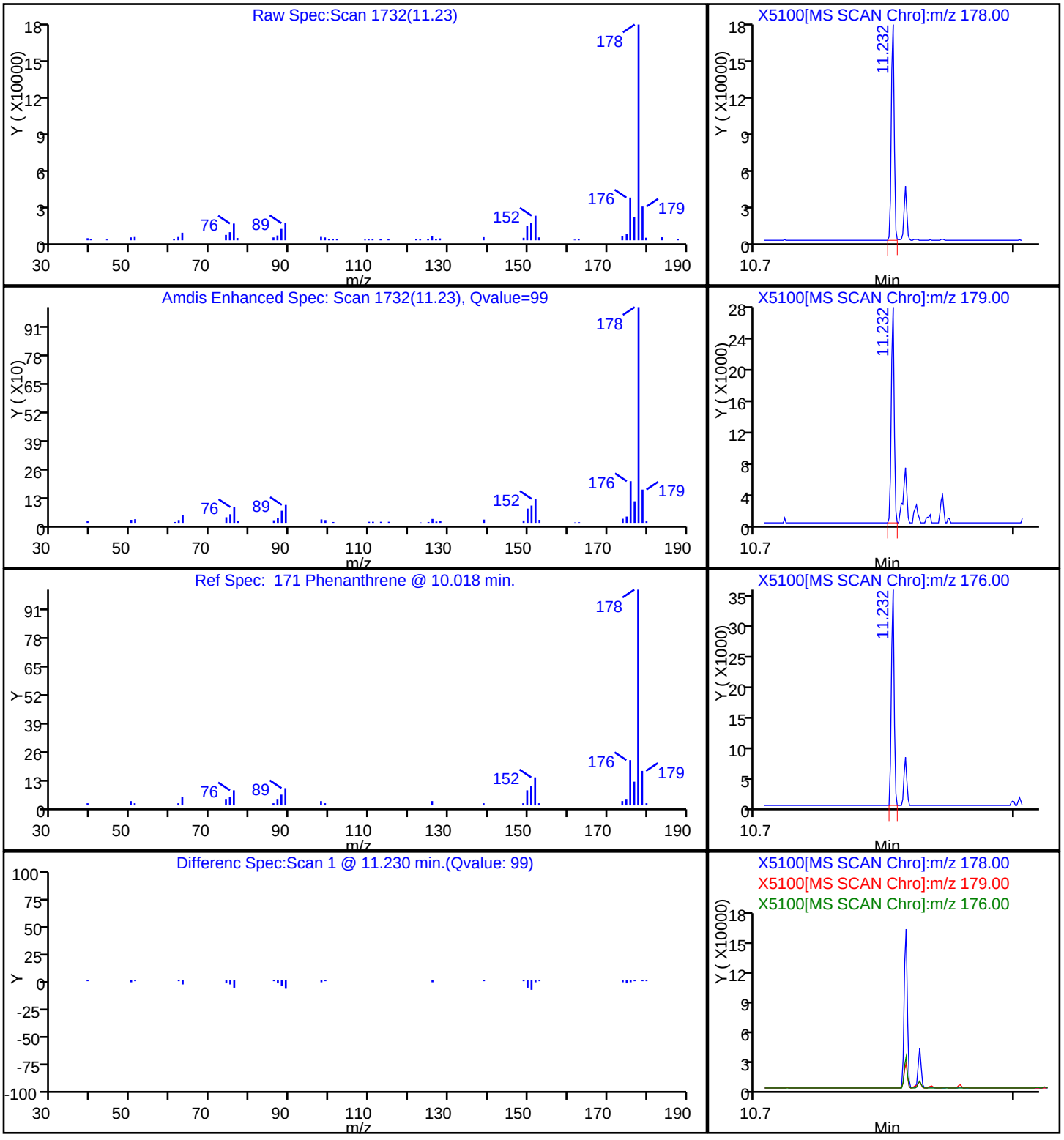


Report Date: 10-Apr-2012 10:54:14 Chrom Revision: 2.0 20-Feb-2012 13:27:02

Data File: \\Bufchrom\ChromData\HP5973X\20120409-10842.b\X5100.D

Injection Date:	09-Apr-2012 21:25:30	Limit Group:	MB - 8270C ICAL
Client ID:	SB-A2 (10'-11')	Instrument ID:	HP5973X
Lims Batch ID:	58786	Lims Sample ID:	13
Operator ID:	RMM	Injection Vol:	1.00 ul
Column Type:	RXI-5Sil MS	Column Dia:	0.25 mm

171 Phenanthrene

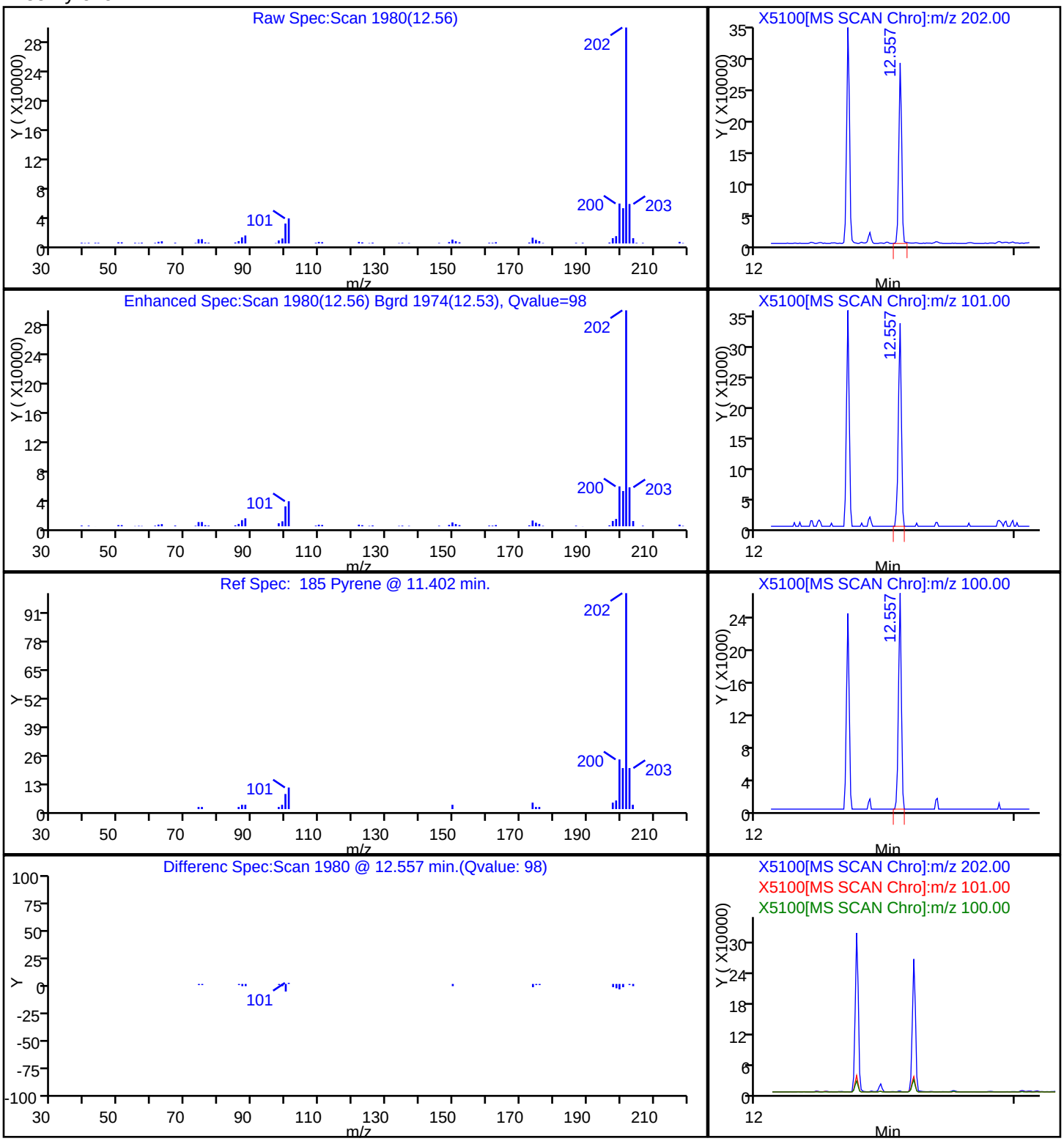


Report Date: 10-Apr-2012 10:54:14 Chrom Revision: 2.0 20-Feb-2012 13:27:02

Data File: \\Bufchrom\ChromData\HP5973X\20120409-10842.b\X5100.D

Injection Date:	09-Apr-2012 21:25:30	Limit Group:	MB - 8270C ICAL
Client ID:	SB-A2 (10'-11')	Instrument ID:	HP5973X
Lims Batch ID:	58786	Lims Sample ID:	13
Operator ID:	RMM	Injection Vol:	1.00 ul
Column Type:	RXI-5Sil MS	Column Dia:	0.25 mm

185 Pyrene



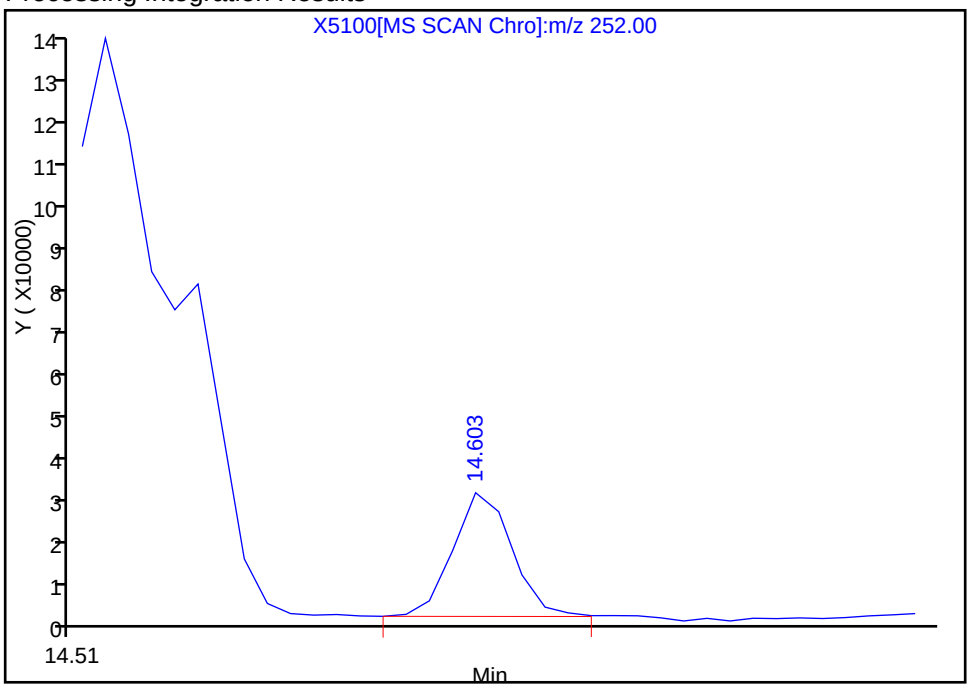
Manual Integration/User Assign Peak Report

Data File:	\\Bufchrom\ChromData\HP5973X\20120409-10842.b\X5100.D		
Injection Date:	09-Apr-2012 21:25:30	Limit Group:	MB - 8270C ICAL
Client ID:	SB-A2 (10'-11')	Instrument ID:	HP5973X
Lims Batch ID:	58786	Lims Sample ID:	13
Operator ID:	RMM	Injection Vol:	1.00 ul
Column Type:	RXI-5Sil MS	Column Dia:	0.25 mm

204 Benzo[k]fluoranthene, Signal: 1, m/z: 252.0 Type: quant, RT: 14.55

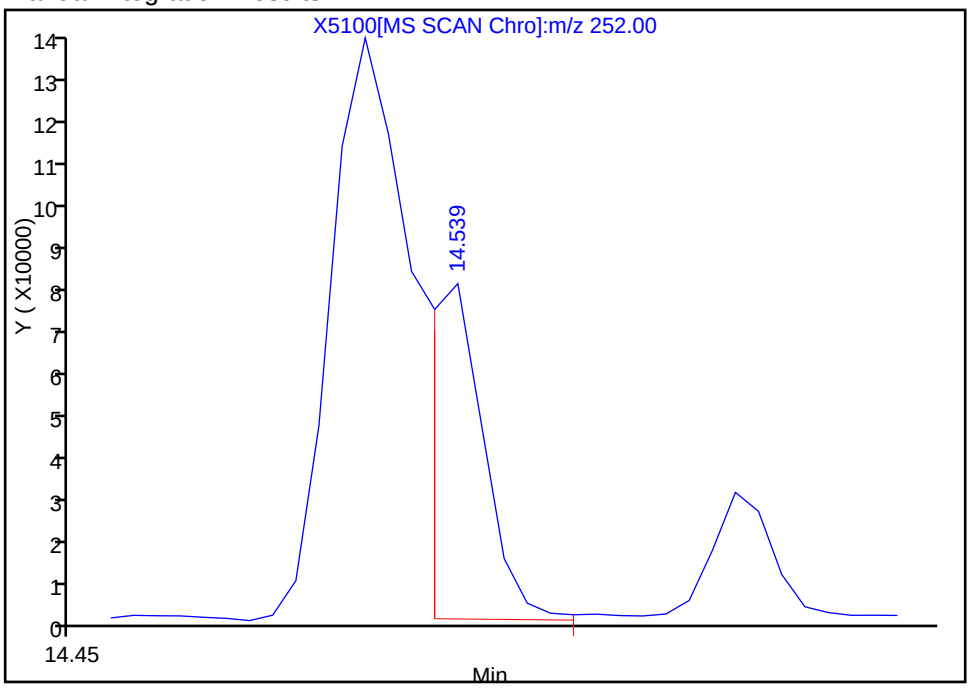
Processing Integration Results

RT: 14.60
Response: 26880
Amount: 1.967784



Manual Integration Results

RT: 14.54
Response: 68280
Amount: 4.998522

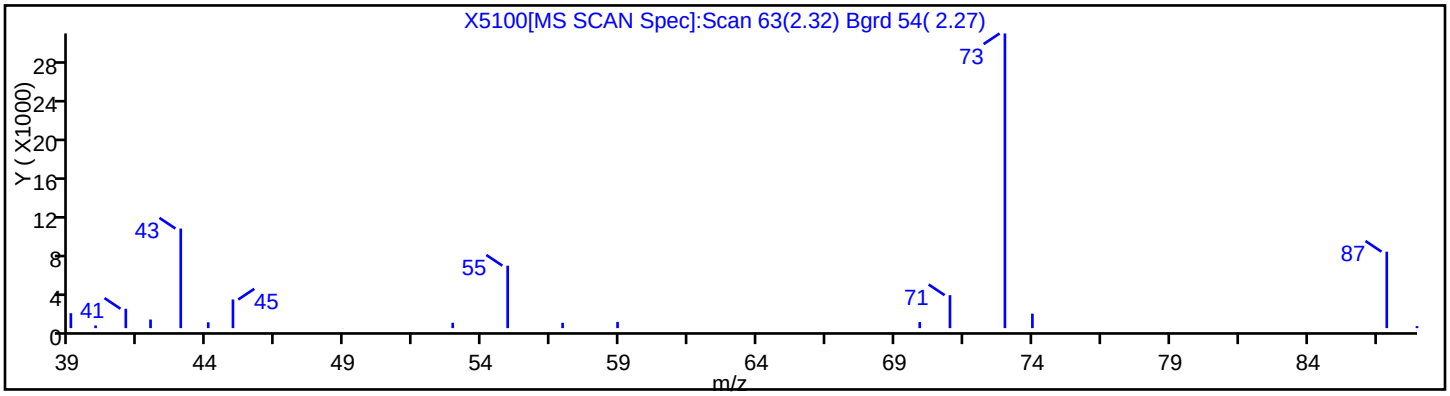


Reviewer: mckernar, 10-Apr-2012 10:54:13
Audit Action: Manually Integrated
Audit Reason: Assign Peak

Report Date: 10-Apr-2012 10:54:14 Chrom Revision: 2.0 20-Feb-2012 13:27:02

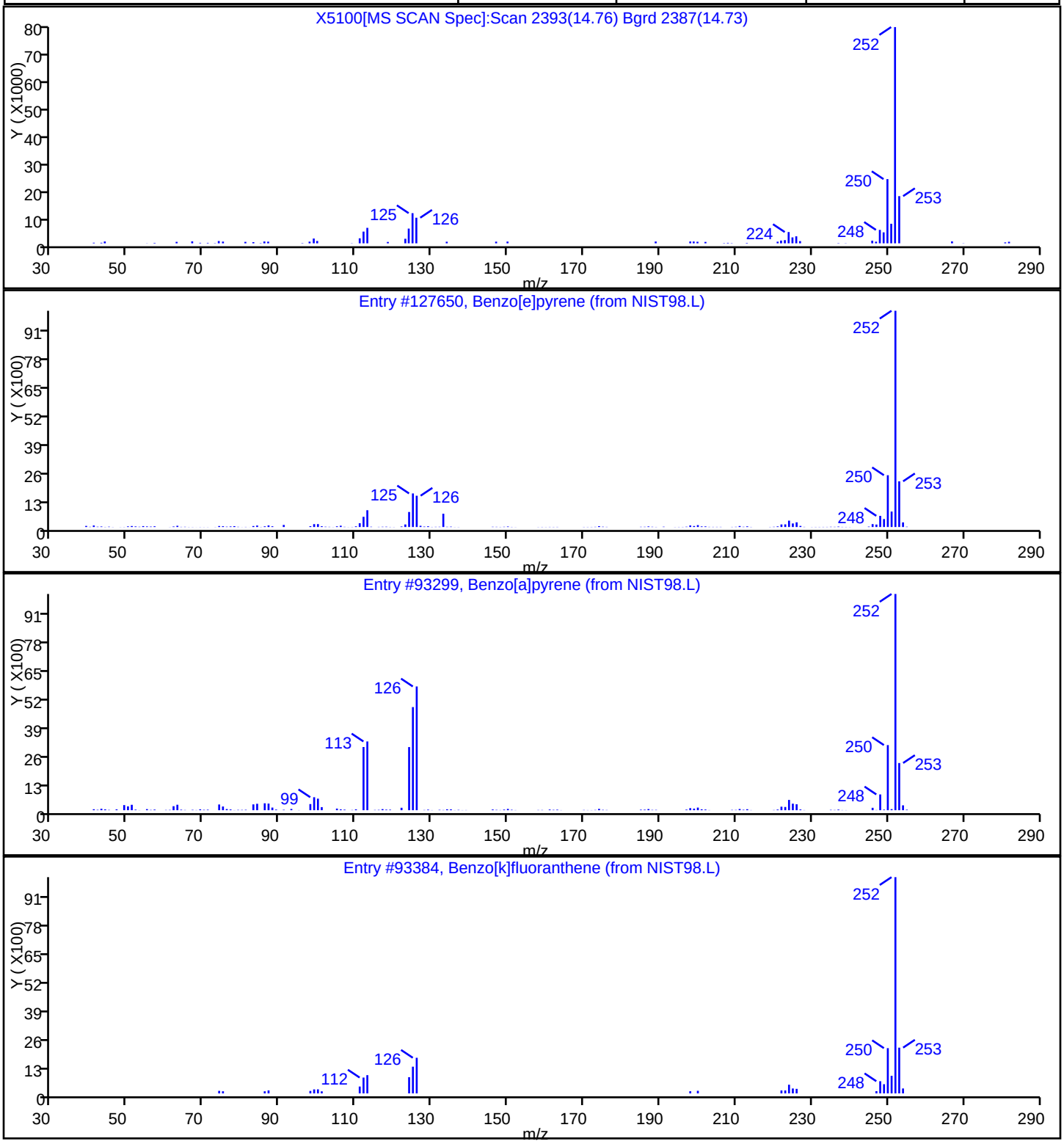
Data File:	\\Bufchrom\ChromData\HP5973X\20120409-10842.b\X5100.D		
Injection Date:	09-Apr-2012 21:25:30	Limit Group:	MB - 8270C ICAL
Client ID:	SB-A2 (10'-11')	Instrument ID:	HP5973X
Lims Batch ID:	58786	Lims Sample ID:	13
Operator ID:	RMM	Injection Vol:	1.00 ul
Column Type:	RXI-5Sil MS	Column Dia:	0.25 mm

No Library Matches Found above the Threshold: 85



Report Date: 10-Apr-2012 10:54:14 Chrom Revision: 2.0 20-Feb-2012 13:27:02
Data File: \\Bufchrom\ChromData\HP5973X\20120409-10842.b\X5100.D
Injection Date: 09-Apr-2012 21:25:30 Limit Group: MB - 8270C ICAL
Client ID: SB-A2 (10'-11') Instrument ID: HP5973X
Lims Batch ID: 58786 Lims Sample ID: 13
Operator ID: RMM Injection Vol: 1.00 ul
Column Type: RXI-5Sil MS Column Dia: 0.25 mm

Library Search Compound Match	CAS Number	Library	Entry	Quality
Benzo[e]pyrene	192-97-2	NIST98.L	127650	93
Benzo[a]pyrene	50-32-8	NIST98.L	93299	93
Benzo[k]fluoranthene	207-8-9	NIST98.L	93384	90



FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Buffalo | Job No.: 480-18068-1

SDG No.:

Client Sample ID: SB-A3 (5'-6'1") | Lab Sample ID: 480-18068-15

Matrix: Solid | Lab File ID: X5101.D

Analysis Method: 8270C | Date Collected: 04/03/2012 11:48

Extract. Method: 3550B | Date Extracted: 04/05/2012 10:44

Sample wt/vol: +30.26(g) | Date Analyzed: 04/09/2012 21:48

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

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

% Moisture: 6.5 | GPC Cleanup:(Y/N) N

Analysis Batch No.: 58786 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
95-95-4	2,4,5-Trichlorophenol	ND		180	39
88-06-2	2,4,6-Trichlorophenol	ND		180	12
120-83-2	2,4-Dichlorophenol	ND		180	9.4
105-67-9	2,4-Dimethylphenol	ND		180	48
51-28-5	2,4-Dinitrophenol	ND		350	63
121-14-2	2,4-Dinitrotoluene	ND		180	28
606-20-2	2,6-Dinitrotoluene	ND		180	44
91-58-7	2-Chloronaphthalene	ND		180	12
95-57-8	2-Chlorophenol	ND		180	9.1
91-57-6	2-Methylnaphthalene	150	J	180	2.2
95-48-7	2-Methylphenol	ND		180	5.5
88-74-4	2-Nitroaniline	ND		350	57
88-75-5	2-Nitrophenol	ND		180	8.2
91-94-1	3,3'-Dichlorobenzidine	ND		180	160
99-09-2	3-Nitroaniline	ND		350	41
534-52-1	4,6-Dinitro-2-methylphenol	ND		350	62
101-55-3	4-Bromophenyl phenyl ether	ND		180	57
59-50-7	4-Chloro-3-methylphenol	ND		180	7.4
106-47-8	4-Chloroaniline	ND		180	53
7005-72-3	4-Chlorophenyl phenyl ether	ND		180	3.8
106-44-5	4-Methylphenol	27	J	350	10
100-01-6	4-Nitroaniline	ND		350	20
100-02-7	4-Nitrophenol	ND	*	350	43
83-32-9	Acenaphthene	430		180	2.1
208-96-8	Acenaphthylene	57	J	180	1.5
98-86-2	Acetophenone	ND		180	9.2
120-12-7	Anthracene	1100		180	4.6
1912-24-9	Atrazine	ND	*	180	8.0
100-52-7	Benzaldehyde	ND		180	20
56-55-3	Benzo(a)anthracene	1800		180	3.1
50-32-8	Benzo(a)pyrene	1600		180	4.3
205-99-2	Benzo(b)fluoranthene	1800		180	3.5
191-24-2	Benzo(g,h,i)perylene	830		180	2.1
207-08-9	Benzo(k)fluoranthene	930		180	2.0

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Buffalo | Job No.: 480-18068-1

SDG No.:

Client Sample ID: SB-A3 (5'-6'1") | Lab Sample ID: 480-18068-15

Matrix: Solid | Lab File ID: X5101.D

Analysis Method: 8270C | Date Collected: 04/03/2012 11:48

Extract. Method: 3550B | Date Extracted: 04/05/2012 10:44

Sample wt/vol: +30.26(g) | Date Analyzed: 04/09/2012 21:48

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

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

% Moisture: 6.5 | GPC Cleanup:(Y/N) N

Analysis Batch No.: 58786 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
92-52-4	Biphenyl	56	J	180	11
108-60-1	bis (2-chloroisopropyl) ether	ND		180	19
111-91-1	Bis(2-chloroethoxy)methane	ND		180	9.7
111-44-4	Bis(2-chloroethyl)ether	ND		180	15
117-81-7	Bis(2-ethylhexyl) phthalate	ND		180	58
85-68-7	Butyl benzyl phthalate	ND		180	48
105-60-2	Caprolactam	ND		180	77
86-74-8	Carbazole	550		180	2.1
218-01-9	Chrysene	1700		180	1.8
53-70-3	Dibenz(a,h)anthracene	280		180	2.1
132-64-9	Dibenzofuran	400		180	1.9
84-66-2	Diethyl phthalate	15	J	180	5.4
131-11-3	Dimethyl phthalate	ND		180	4.7
84-74-2	Di-n-butyl phthalate	ND		180	62
117-84-0	Di-n-octyl phthalate	ND		180	4.2
206-44-0	Fluoranthene	4100		180	2.6
86-73-7	Fluorene	630		180	4.1
118-74-1	Hexachlorobenzene	ND		180	8.9
87-68-3	Hexachlorobutadiene	ND		180	9.2
77-47-4	Hexachlorocyclopentadiene	ND		180	54
67-72-1	Hexachloroethane	ND		180	14
193-39-5	Indeno(1,2,3-cd)pyrene	850		180	4.9
78-59-1	Isophorone	ND		180	8.9
91-20-3	Naphthalene	520		180	3.0
98-95-3	Nitrobenzene	ND		180	7.9
621-64-7	N-Nitrosodi-n-propylamine	ND		180	14
86-30-6	N-Nitrosodiphenylamine	ND		180	9.8
87-86-5	Pentachlorophenol	ND		350	61
85-01-8	Phenanthrene	4100		180	3.8
108-95-2	Phenol	21	J	180	19
129-00-0	Pyrene	3300		180	1.2

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Buffalo | Job No.: 480-18068-1

SDG No.:

Client Sample ID: SB-A3 (5'-6'1") | Lab Sample ID: 480-18068-15

Matrix: Solid | Lab File ID: X5101.D

Analysis Method: 8270C | Date Collected: 04/03/2012 11:48

Extract. Method: 3550B | Date Extracted: 04/05/2012 10:44

Sample wt/vol: +30.26(g) | Date Analyzed: 04/09/2012 21:48

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

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

% Moisture: 6.5 | GPC Cleanup:(Y/N) N

Analysis Batch No.: 58786 | Units: ug/Kg

CAS NO.	SURROGATE	%REC	Q	LIMITS
118-79-6	2,4,6-Tribromophenol	95		39-146
321-60-8	2-Fluorobiphenyl	78		37-120
367-12-4	2-Fluorophenol	65		18-120
4165-60-0	Nitrobenzene-d5	76		34-132
4165-62-2	Phenol-d5	71		11-120
1718-51-0	p-Terphenyl-d14	93		65-153

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

Lab Name: TestAmerica Buffalo | Job No.: 480-18068-1

SDG No.:

Client Sample ID: SB-A3 (5'-6'1") | Lab Sample ID: 480-18068-15

Matrix: Solid | Lab File ID: X5101.D

Analysis Method: 8270C | Date Collected: 04/03/2012 11:48

Extract. Method: 3550B | Date Extracted: 04/05/2012 10:44

Sample wt/vol: +30.26(g) | Date Analyzed: 04/09/2012 21:48

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

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

% Moisture: 6.5 | GPC Cleanup:(Y/N) N

Analysis Batch No.: 58786 | Units: ug/Kg

Number TICs Found: 6 | TIC Result Total: 4790

CAS NO.	COMPOUND NAME	RT	RESULT	Q
	Unknown	2.32	2400	T J
832-69-9	Phenanthrene, 1-methyl-	11.73	490	T J N
2381-21-7	Pyrene, 1-methyl-	12.86	210	T J N
2381-21-7	Pyrene, 1-methyl-	12.92	150	T J N
192-97-2	Benzo[e]pyrene	14.78	950	T J N
198-55-0	Perylene	14.90	590	T J N

TestAmerica Laboratories
Target Compound Quantitation Report

Data File:	\\Bufchrom\ChromData\HP5973X\20120409-10842.b\X5101.D		
Lims ID:	480-18068-A-15-C	Client ID:	SB-A3 (5'-6'1")
Inject. Date:	09-Apr-2012 21:48:30	Dil. Factor:	1.0000
Sample Type:	Client		
Sample ID:	480-0010842-014		
Misc. Info.:			
Operator:	RMM	Instrument ID:	HP5973X
Vol. Injected:	1.0000	ALS Bottle#:	14
Lims Batch ID:	58786	Lims Sample ID:	14
Detector:	MS SCAN		
Method:	\\Bufchrom\ChromData\HP5973X\20120409-10842.b\X-8270.m		
Last Update:	10-Apr-2012 10:49:35	Calib Date:	09-Apr-2012 15:39:30
Quant Method:	Internal Standard	Quant By:	Initial Calibration
Last ICal File:	\\Bufchrom\ChromData\HP5973X\20120409-10830.b\X5085.D		
Limit Group:	MB - 8270C ICAL		
Integrator:	RTE	ID Type:	Deconvolution ID
Process Host:	CORP-CTX-19		
First Level Reviewer: mckernar		Date:	10-Apr-2012 10:56:23

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ng/uL	Flags
* 1 1,4-Dichlorobenzene-d4	152	6.034	6.040	-0.006	97	139469	40.0	
* 2 Naphthalene-d8	136	7.536	7.536	0.0	93	486929	40.0	
* 3 Acenaphthene-d10	164	9.603	9.603	0.0	62	278514	40.0	
* 4 Phenanthrene-d10	188	11.216	11.211	0.005	100	470904	40.0	
* 5 Chrysene-d12	240	13.631	13.620	0.011	100	434491	40.0	
* 6 Perylene-d12	264	14.881	14.865	0.016	99	553096	40.0	
$ 7 2-Fluorophenol	112	4.469	4.475	-0.006	96	535197	97.0	
$ 8 Phenol-d5	99	5.596	5.602	-0.006	86	698810	106.7	
$ 9 Nitrobenzene-d5	82	6.692	6.697	-0.005	95	417457	75.6	
$ 10 2-Fluorobiphenyl	172	8.818	8.823	-0.005	99	704380	78.2	
$ 11 2,4,6-Tribromophenol	330	10.495	10.501	-0.006	85	142489	142.1	
$ 12 p-Terphenyl-d14	244	12.712	12.707	0.005	97	849501	92.5	
62 Benzaldehyde	77		5.532					
63 Phenol	94	5.612	5.612	-0.006	1	3963	0.5945	
66 Bis(2-chloroethyl)ether	93		5.735					
67 2-Chlorophenol	128		5.789					
73 2-Methylphenol	108	6.334	6.334	-0.005	1	655	0.1478	
74 2,2'-oxybis[1-chloropropane]	45		6.376					
76 Acetophenone	105		6.515					
79 4-Methylphenol	108	6.521	6.521	-0.005	2	3340	0.7509	
78 N-Nitrosodi-n-propylamine	70		6.531					
81 Hexachloroethane	117		6.633					
83 Nitrobenzene	77		6.724					
86 Isophorone	82		7.012					
87 2-Nitrophenol	139		7.098					
89 2,4-Dimethylphenol	107		7.162					
94 Bis(2-chloroethoxy)methane	93		7.279					
97 2,4-Dichlorophenol	162		7.381					
99 Naphthalene	128	7.557	7.573	-0.016	98	174390	14.6	
101 4-Chloroaniline	127		7.648					
104 Hexachlorobutadiene	225		7.723					

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ng/uL	Flags
105 Caprolactam	113		8.038					
110 4-Chloro-3-methylphenol	107		8.214					
113 2-Methylnaphthalene	142	8.374	8.385	-0.011	93	31646	4.30	
116 Hexachlorocyclopentadiene	237		8.567					
118 2,4,6-Trichlorophenol	196		8.716					
119 2,4,5-Trichlorophenol	196		8.754					
123 1,1'-Biphenyl	154	8.930	8.930	0.0	85	15556	1.58	
124 2-Chloronaphthalene	162		8.951					
125 2-Nitroaniline	65		9.090					
128 Dimethyl phthalate	163		9.320					
130 2,6-Dinitrotoluene	165		9.384					
131 Acenaphthylene	152	9.437	9.443	-0.006	85	19441	1.60	
132 3-Nitroaniline	138		9.582					
133 Acenaphthene	153	9.640	9.646	-0.006	98	89610	12.1	
134 2,4-Dinitrophenol	184		9.699					
135 4-Nitrophenol	109		9.785					
138 Dibenzofuran	168	9.843	9.849	-0.006	98	121438	11.4	
137 2,4-Dinitrotoluene	165		9.854					
142 Diethyl phthalate	149	10.132	10.132	-0.011	37	3749	0.4190	
144 Fluorene	166	10.228	10.239	-0.011	96	156158	17.8	
145 4-Chlorophenyl phenyl ether	204		10.250					
147 4-Nitroaniline	138		10.282					
148 4,6-Dinitro-2-methylphenol	198		10.308					
149 N-Nitrosodiphenylamine	169		10.383					
159 4-Bromophenyl phenyl ether	248		10.773					
160 Hexachlorobenzene	284		10.821					
163 Atrazine	200		10.955					
165 Pentachlorophenol	266		11.030					
171 Phenanthrene	178	11.243	11.238	0.005	99	1343732	117.1	
172 Anthracene	178	11.286	11.291	-0.005	99	347132	30.0	
173 Carbazole	167	11.451	11.457	-0.006	98	175805	15.6	
176 Di-n-butyl phthalate	149	11.799	11.804	-0.005	74	8750	0.6456	
182 Fluoranthene	202	12.370	12.360	0.010	98	1593001	117.1	
185 Pyrene	202	12.573	12.568	0.005	98	1294000	94.1	
192 Butyl benzyl phthalate	149		13.134					
196 3,3'-Dichlorobenzidine	252		13.594					
197 Benzo[a]anthracene	228	13.620	13.615	0.005	71	649059	50.1	
198 Bis(2-ethylhexyl) phthalate	149		13.626					
199 Chrysene	228	13.652	13.647	0.005	99	625987	48.1	
201 Di-n-octyl phthalate	149		14.165					
203 Benzo[b]fluoranthene	252	14.534	14.523	0.011	99	740467	50.1	
204 Benzo[k]fluoranthene	252	14.550	14.550	0.0	97	412865	26.4	M
206 Benzo[a]pyrene	252	14.828	14.823	0.005	100	607647	46.5	
208 Indeno[1,2,3-cd]pyrene	276	15.955	15.944	0.011	98	350475	24.1	
209 Dibenz(a,h)anthracene	278	15.955	15.955	0.0	43	100660	7.79	
210 Benzo[g,h,i]perylene	276	16.260	16.254	0.006	99	288342	23.5	

QC Flag Legend

Review Flags
M - Manually Integrated

TestAmerica Laboratories
Tentatively Identified Quantitation Report

Data File:	\\Bufchrom\ChromData\HP5973X\20120409-10842.b\X5101.D		
Lims ID:	480-18068-A-15-C	Client ID:	SB-A3 (5'-6'1")
Inject. Date:	09-Apr-2012 21:48:30	Dil. Factor:	1.0000
Sample Type:	Client		
Sample ID:	480-0010842-014		
Misc. Info.:			
Operator:	RMM	Instrument ID:	HP5973X
Vol. Injected:	1.0000	ALS Bottle#:	14
Lims Batch ID:	58786	Lims Sample ID:	14
Detector:	MS SCAN		
Method:	\\Bufchrom\ChromData\HP5973X\20120409-10842.b\X-8270.m		
Last Update:	10-Apr-2012 10:49:35	Calib Date:	09-Apr-2012 15:39:30
Tic RT Window:	1.500 -0.000	Response:	area
Quant By:	Nearest ISTD	Quant LOD:	10.00000
MS Library:	\\Bufchrom\ChromData\Database\NIST98.L		
Min. Match:	85		
Process Host:	CORP-CTX-19		
First Level Reviewer: mckernar		Date:	10-Apr-2012 10:56:23

Calibrated Tentative Identified Compound Results

Compound	RT	Response	Amount ng/uL	Flags
1-Methylnaphthalene (TIC)	8.374	31646	4.54	
Quinoline	7.974	8526		
Anthraquinone	12.007	40593		
7,12-Dimethylbenz(a)anthracene	14.336	16981		

Tentative Identified Compound Results

RT	Response	Amount ng/uL	Quant Cpnd	Qual	Lib Entry	Flags
		Unknown				
2.322	1555282	68.6	1			
	832-69-9	Phenanthrene, 1-methyl-				
11.729	406170	13.9	4	97	125857	
	2381-21-7	Pyrene, 1-methyl-				
12.862	495753	5.94	5	93	86803	
	2381-21-7	Pyrene, 1-methyl-				
12.921	358402	4.30	5	94	86803	
	192-97-2	Benzo[e]pyrene				
14.780	988100	26.8	6	98	127650	
	198-55-0	Perylene				
14.903	620439	16.8	6	93	127648	

Quantitation Compounds

Compound	RT	Response	Amount ng/uL

Compound	RT	Response	Amount ng/uL
* 1 1,4-Dichlorobenzene-d4	6.034	907176	40.0
* 4 Phenanthrene-d10	11.211	1167921	40.0
* 5 Chrysene-d12	13.626	3337302	40.0
* 6 Perylene-d12	14.881	1474568	40.0

QC Flag Legend

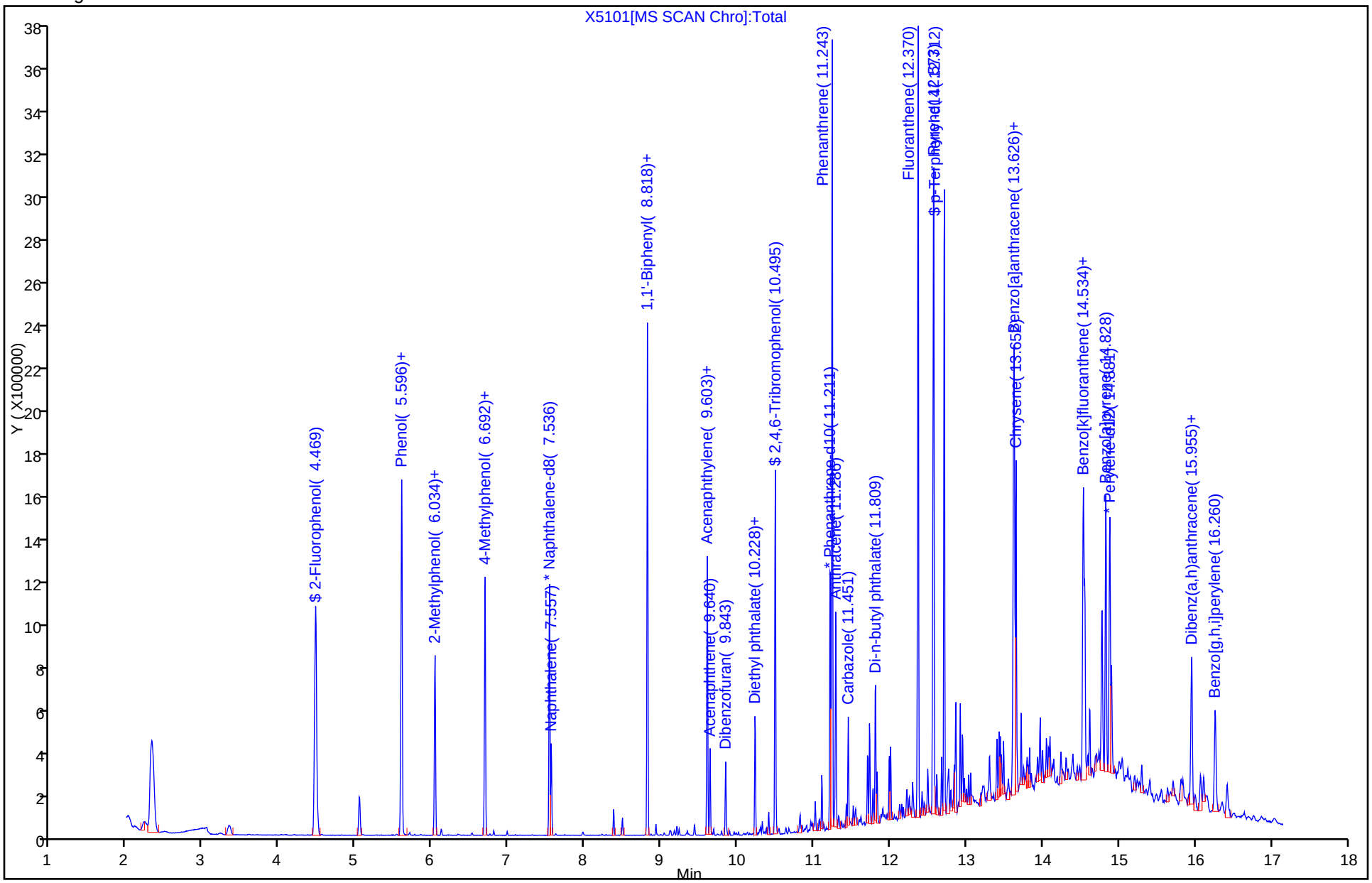
Processing Flags

Report Date: 10-Apr-2012 10:56:23 Chrom Revision: 2.0 20-Feb-2012 13:27:02

Data File: \\Bufchrom\ChromData\HP5973X\20120409-10842.b\X5101.D

Injection Date:	09-Apr-2012 21:48:30	Limit Group:	MB - 8270C ICAL
Client ID:	SB-A3 (5'-6'1")	Instrument ID:	HP5973X
Lims Batch ID:	58786	Lims Sample ID:	14
Operator ID:	RMM	Injection Vol:	1.00 ul
Column Type:	RXI-5Sil MS	Column Dia:	0.25 mm

Y Scaling:

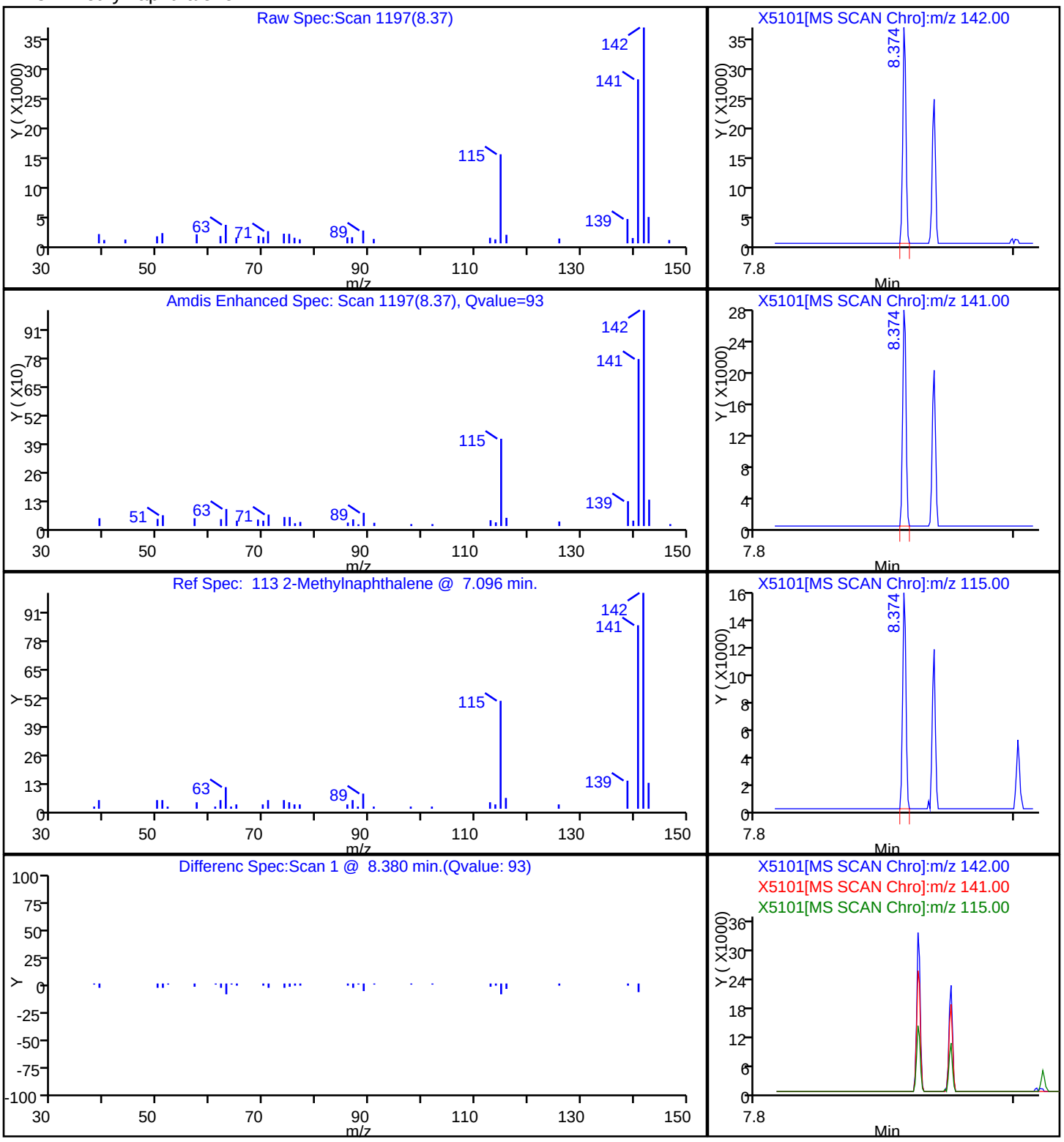


Report Date: 10-Apr-2012 10:56:23 Chrom Revision: 2.0 20-Feb-2012 13:27:02

Data File: \\Bufchrom\ChromData\HP5973X\20120409-10842.b\X5101.D

Injection Date:	09-Apr-2012 21:48:30	Limit Group:	MB - 8270C ICAL
Client ID:	SB-A3 (5'-6'1")	Instrument ID:	HP5973X
Lims Batch ID:	58786	Lims Sample ID:	14
Operator ID:	RMM	Injection Vol:	1.00 ul
Column Type:	RXI-5Sil MS	Column Dia:	0.25 mm

113 2-Methylnaphthalene

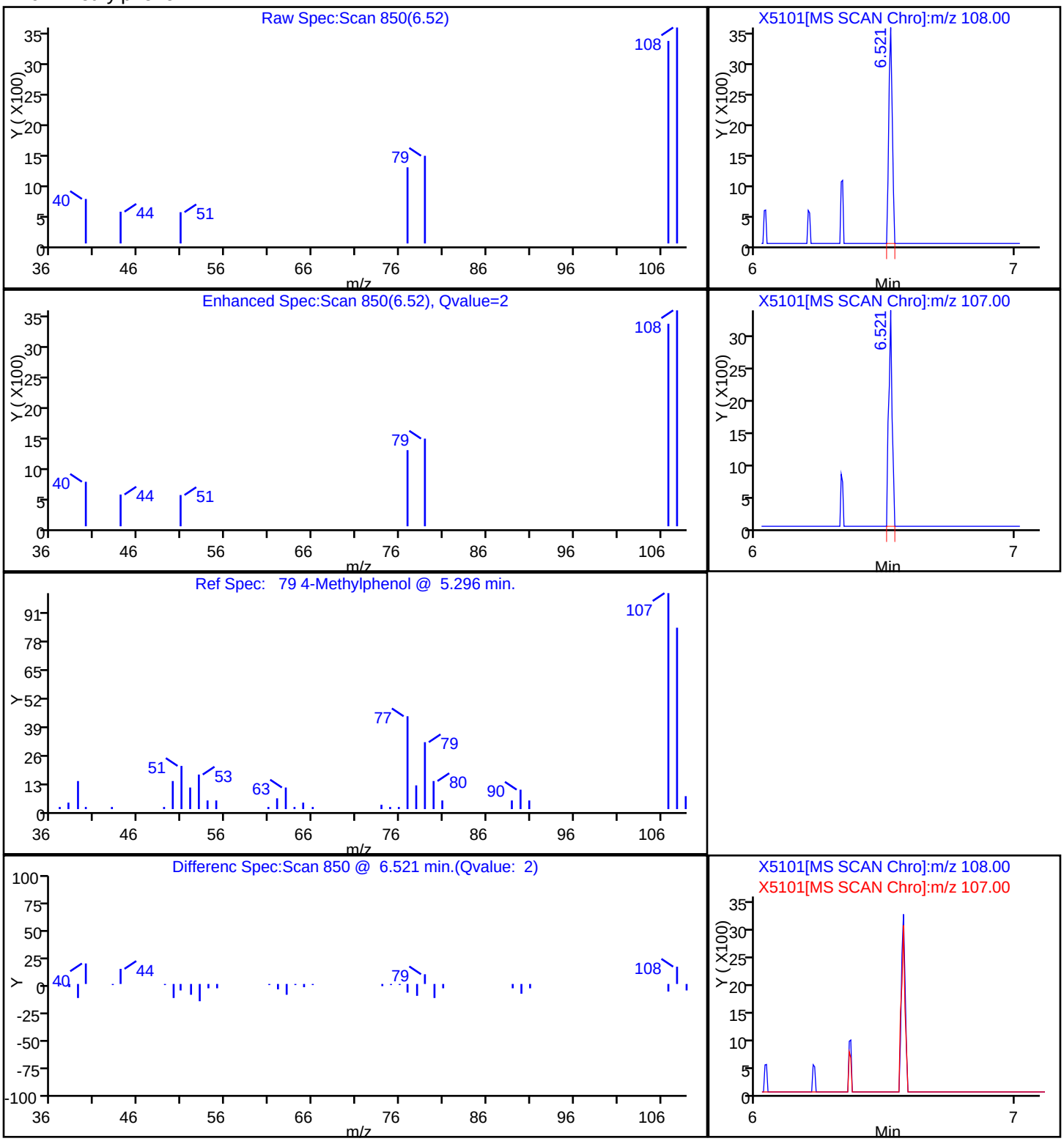


Report Date: 10-Apr-2012 10:56:23 Chrom Revision: 2.0 20-Feb-2012 13:27:02

Data File: \\Bufchrom\ChromData\HP5973X\20120409-10842.b\X5101.D

Injection Date:	09-Apr-2012 21:48:30	Limit Group:	MB - 8270C ICAL
Client ID:	SB-A3 (5'-6'1")	Instrument ID:	HP5973X
Lims Batch ID:	58786	Lims Sample ID:	14
Operator ID:	RMM	Injection Vol:	1.00 ul
Column Type:	RXI-5Sil MS	Column Dia:	0.25 mm

79 4-Methylphenol

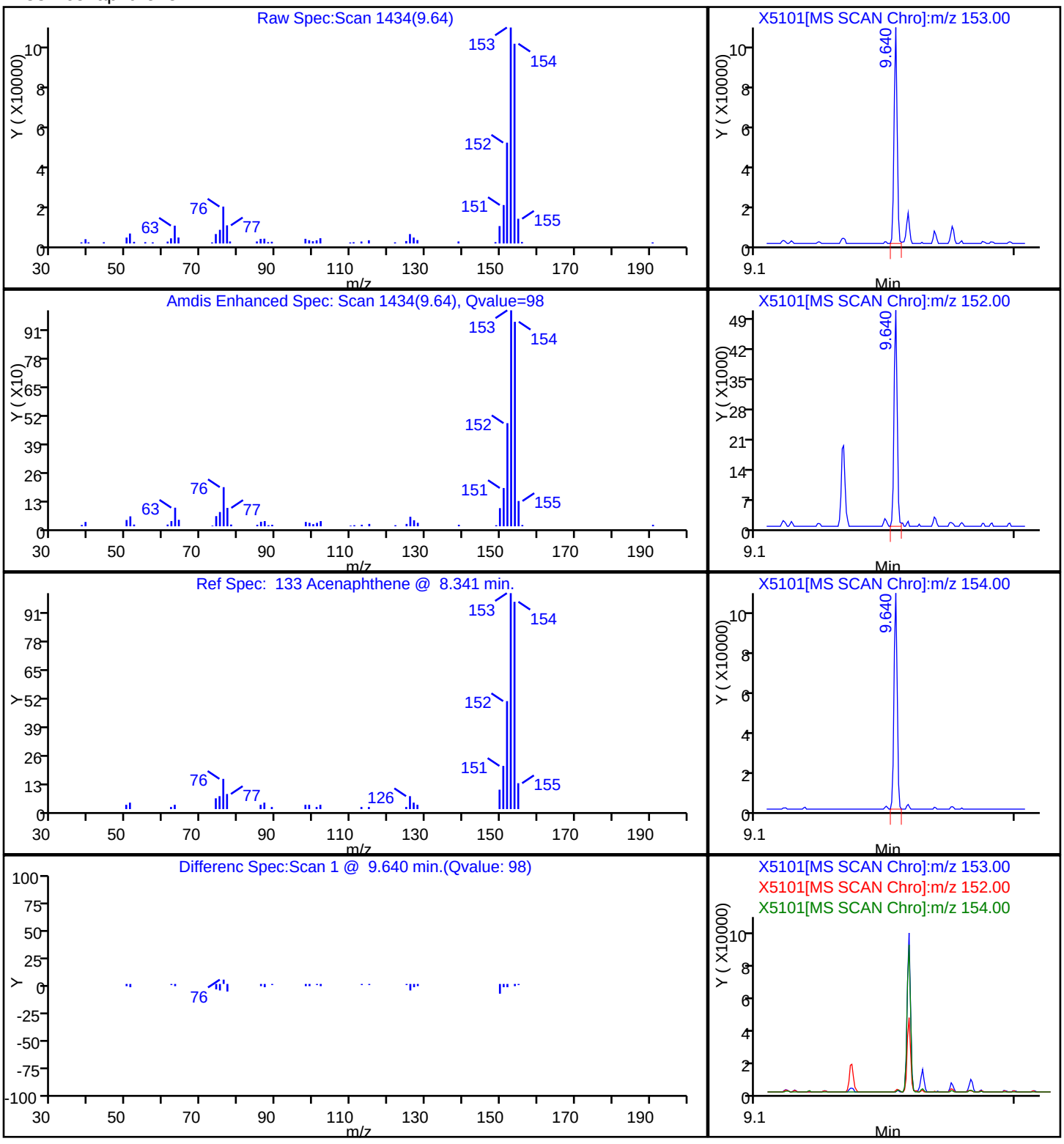


Report Date: 10-Apr-2012 10:56:23 Chrom Revision: 2.0 20-Feb-2012 13:27:02

Data File: \\Bufchrom\ChromData\HP5973X\20120409-10842.b\X5101.D

Injection Date:	09-Apr-2012 21:48:30	Limit Group:	MB - 8270C ICAL
Client ID:	SB-A3 (5'-6'1")	Instrument ID:	HP5973X
Lims Batch ID:	58786	Lims Sample ID:	14
Operator ID:	RMM	Injection Vol:	1.00 ul
Column Type:	RXI-5Sil MS	Column Dia:	0.25 mm

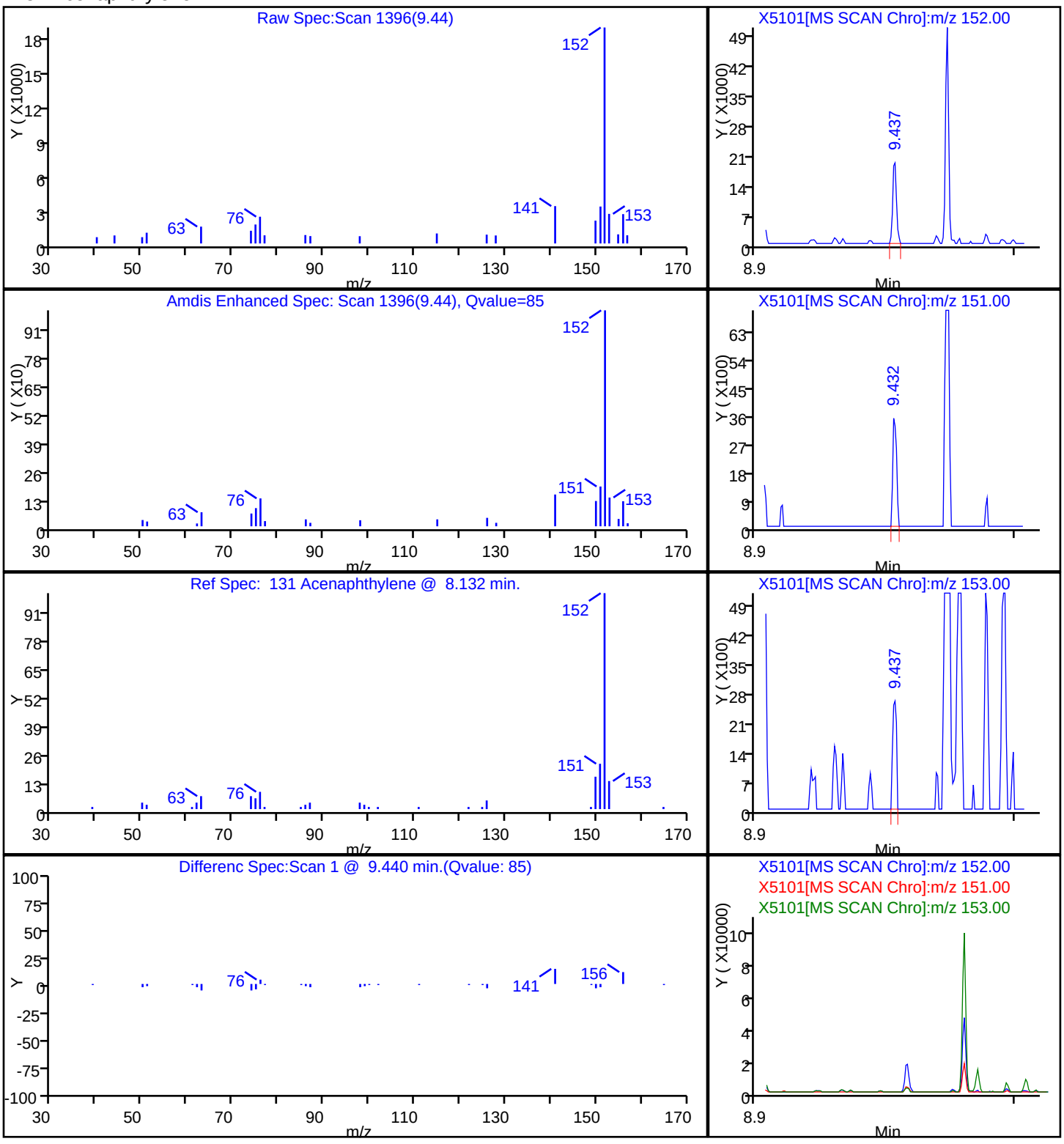
133 Acenaphthene



Report Date: 10-Apr-2012 10:56:23 Chrom Revision: 2.0 20-Feb-2012 13:27:02

Data File:	\\Bufchrom\ChromData\HP5973X\20120409-10842.b\X5101.D		
Injection Date:	09-Apr-2012 21:48:30	Limit Group:	MB - 8270C ICAL
Client ID:	SB-A3 (5'-6'1")	Instrument ID:	HP5973X
Lims Batch ID:	58786	Lims Sample ID:	14
Operator ID:	RMM	Injection Vol:	1.00 ul
Column Type:	RXI-5Sil MS	Column Dia:	0.25 mm

131 Acenaphthylene

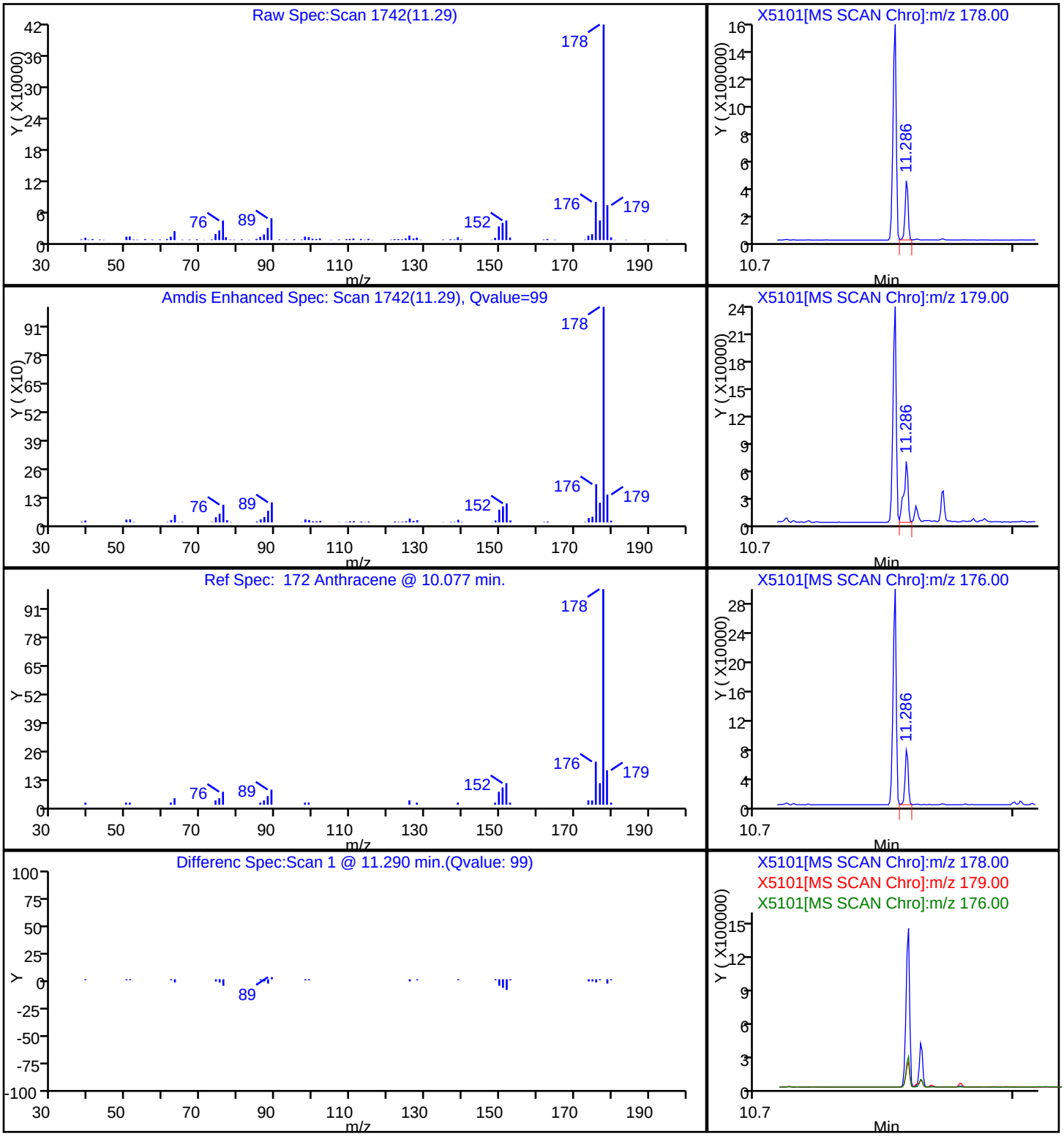


Report Date: 10-Apr-2012 10:56:23 Chrom Revision: 2.0 20-Feb-2012 13:27:02

Data File: \\Bufchrom\ChromData\HP5973X\20120409-10842.b\X5101.D

Injection Date:	09-Apr-2012 21:48:30	Limit Group:	MB - 8270C ICAL
Client ID:	SB-A3 (5'-6'1")	Instrument ID:	HP5973X
Lims Batch ID:	58786	Lims Sample ID:	14
Operator ID:	RMM	Injection Vol:	1.00 ul
Column Type:	RXI-5Sil MS	Column Dia:	0.25 mm

172 Anthracene

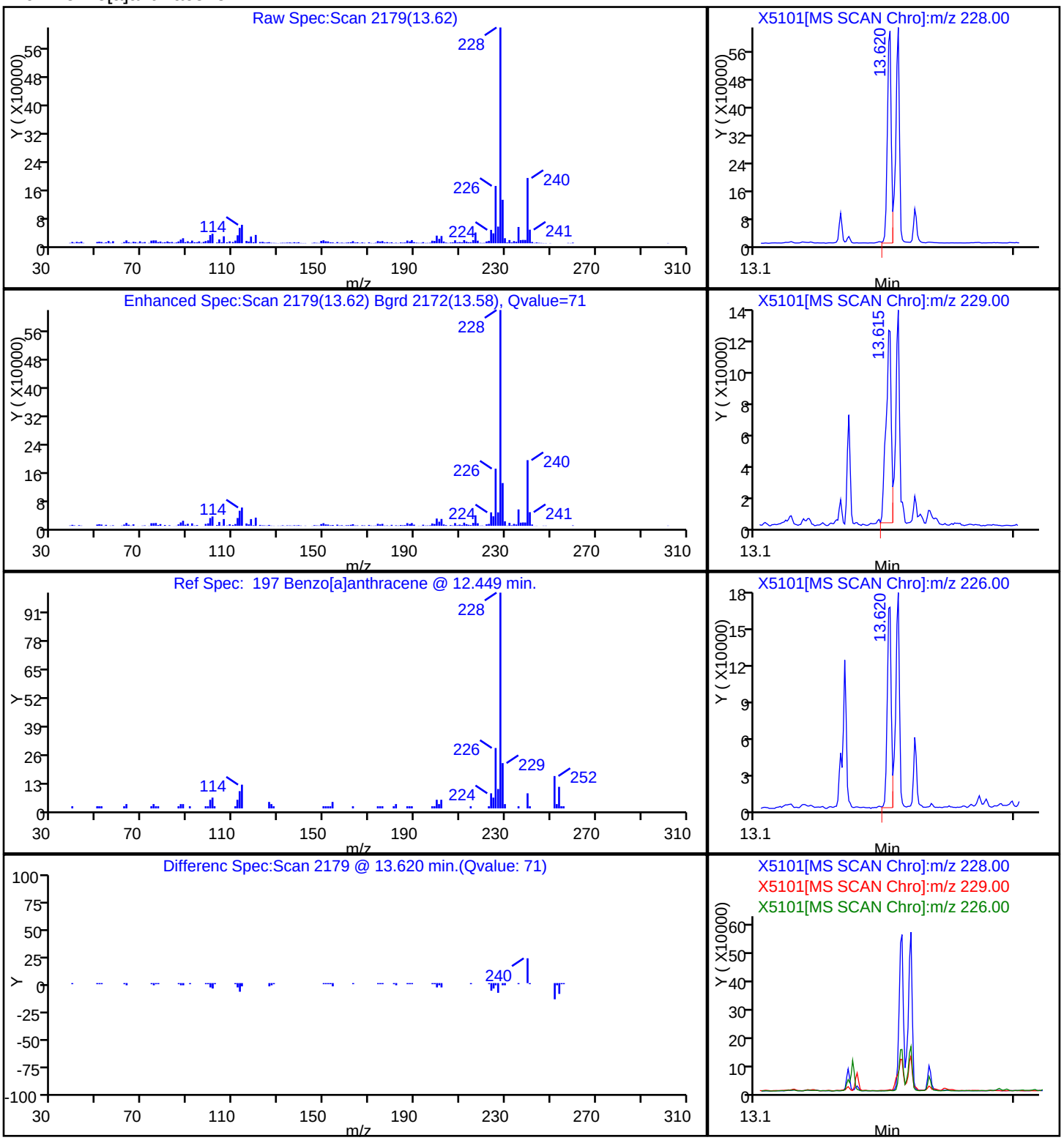


Report Date: 10-Apr-2012 10:56:23 Chrom Revision: 2.0 20-Feb-2012 13:27:02

Data File: \\Bufchrom\ChromData\HP5973X\20120409-10842.b\X5101.D

Injection Date:	09-Apr-2012 21:48:30	Limit Group:	MB - 8270C ICAL
Client ID:	SB-A3 (5'-6'1")	Instrument ID:	HP5973X
Lims Batch ID:	58786	Lims Sample ID:	14
Operator ID:	RMM	Injection Vol:	1.00 ul
Column Type:	RXI-5Sil MS	Column Dia:	0.25 mm

197 Benzo[a]anthracene

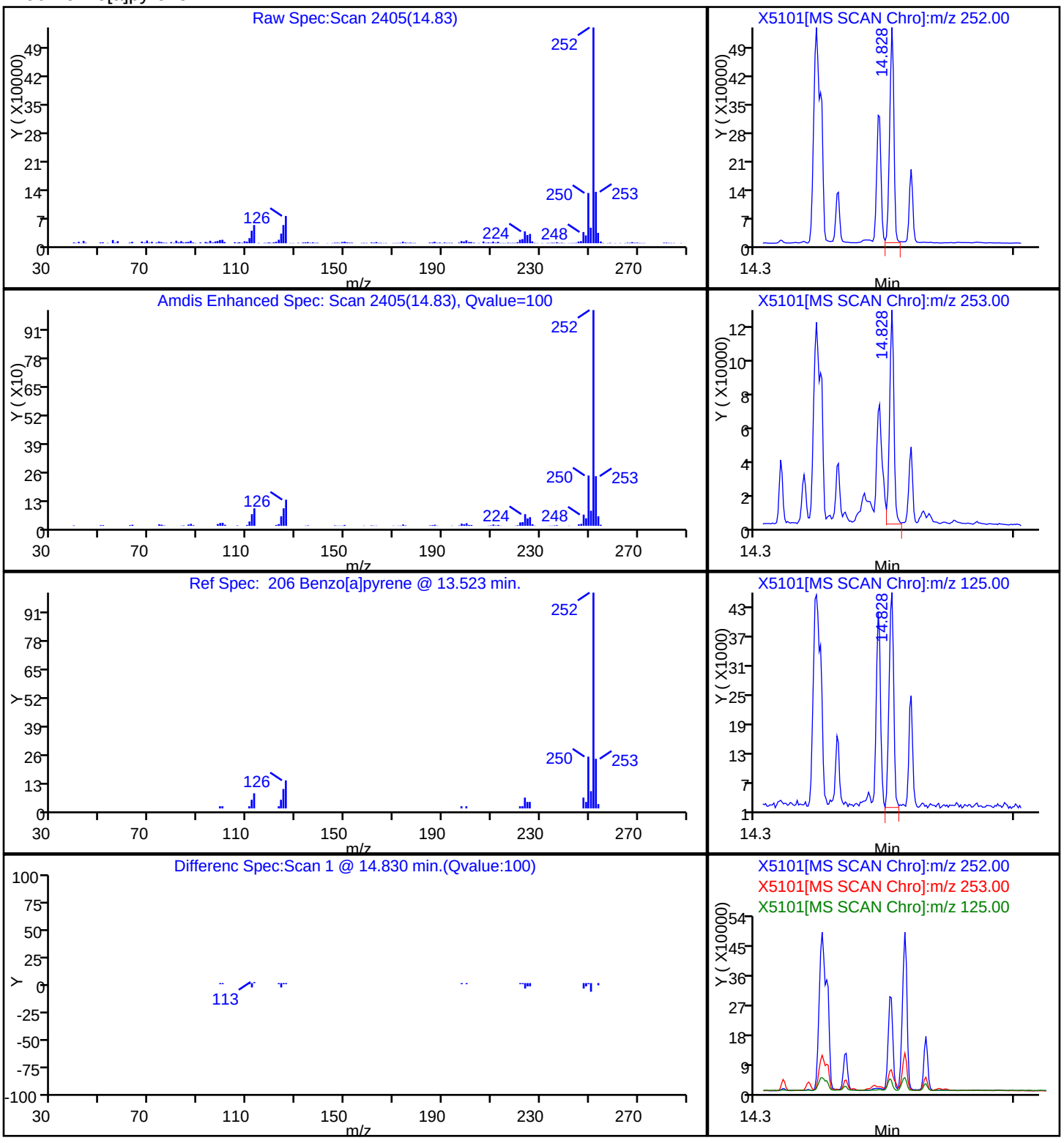


Report Date: 10-Apr-2012 10:56:23 Chrom Revision: 2.0 20-Feb-2012 13:27:02

Data File: \\Bufchrom\ChromData\HP5973X\20120409-10842.b\X5101.D

Injection Date:	09-Apr-2012 21:48:30	Limit Group:	MB - 8270C ICAL
Client ID:	SB-A3 (5'-6'1")	Instrument ID:	HP5973X
Lims Batch ID:	58786	Lims Sample ID:	14
Operator ID:	RMM	Injection Vol:	1.00 ul
Column Type:	RXI-5Sil MS	Column Dia:	0.25 mm

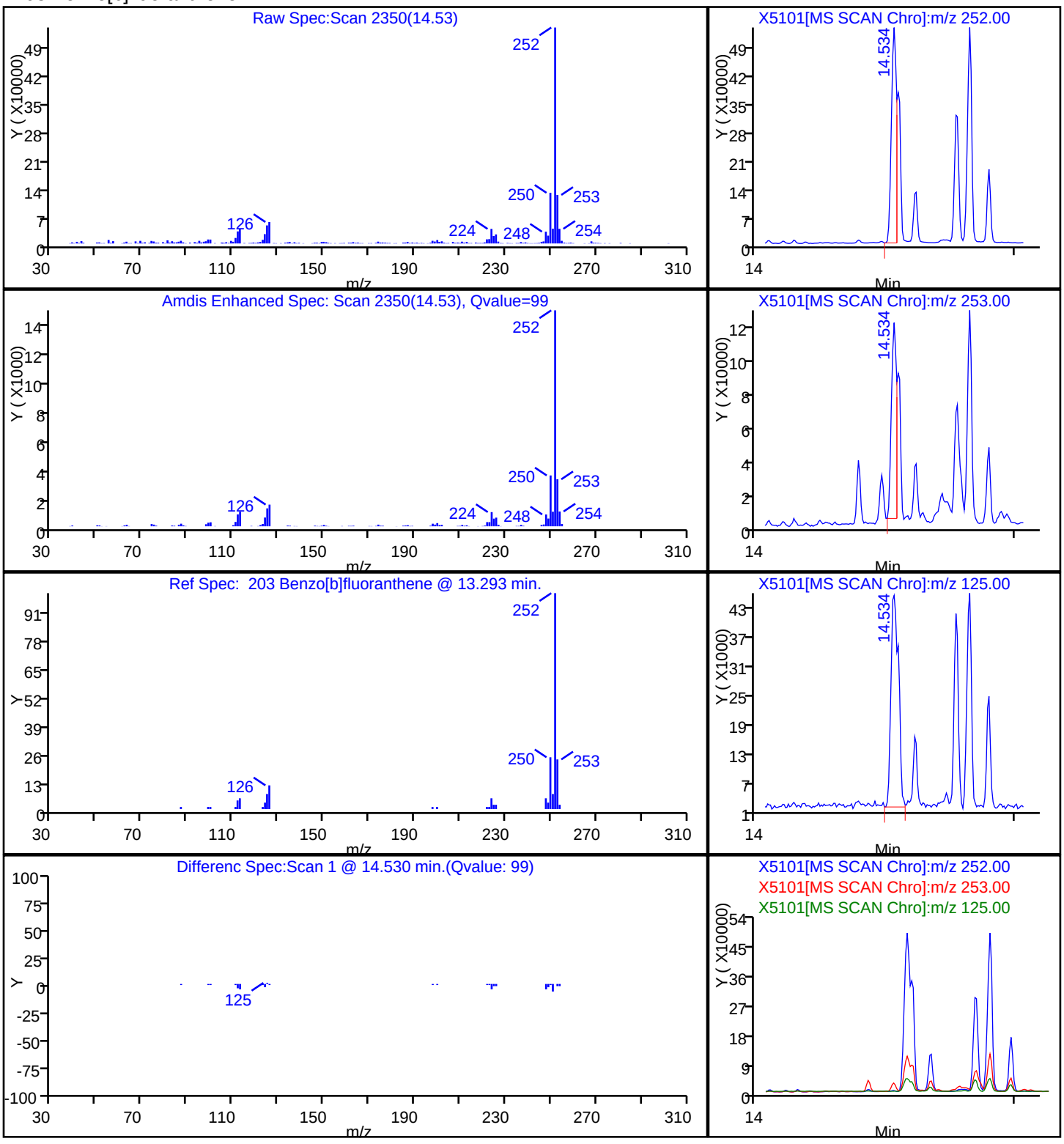
206 Benzo[a]pyrene



Report Date: 10-Apr-2012 10:56:23 Chrom Revision: 2.0 20-Feb-2012 13:27:02

Data File:	\\Bufchrom\ChromData\HP5973X\20120409-10842.b\X5101.D		
Injection Date:	09-Apr-2012 21:48:30	Limit Group:	MB - 8270C ICAL
Client ID:	SB-A3 (5'-6'1")	Instrument ID:	HP5973X
Lims Batch ID:	58786	Lims Sample ID:	14
Operator ID:	RMM	Injection Vol:	1.00 ul
Column Type:	RXI-5Sil MS	Column Dia:	0.25 mm

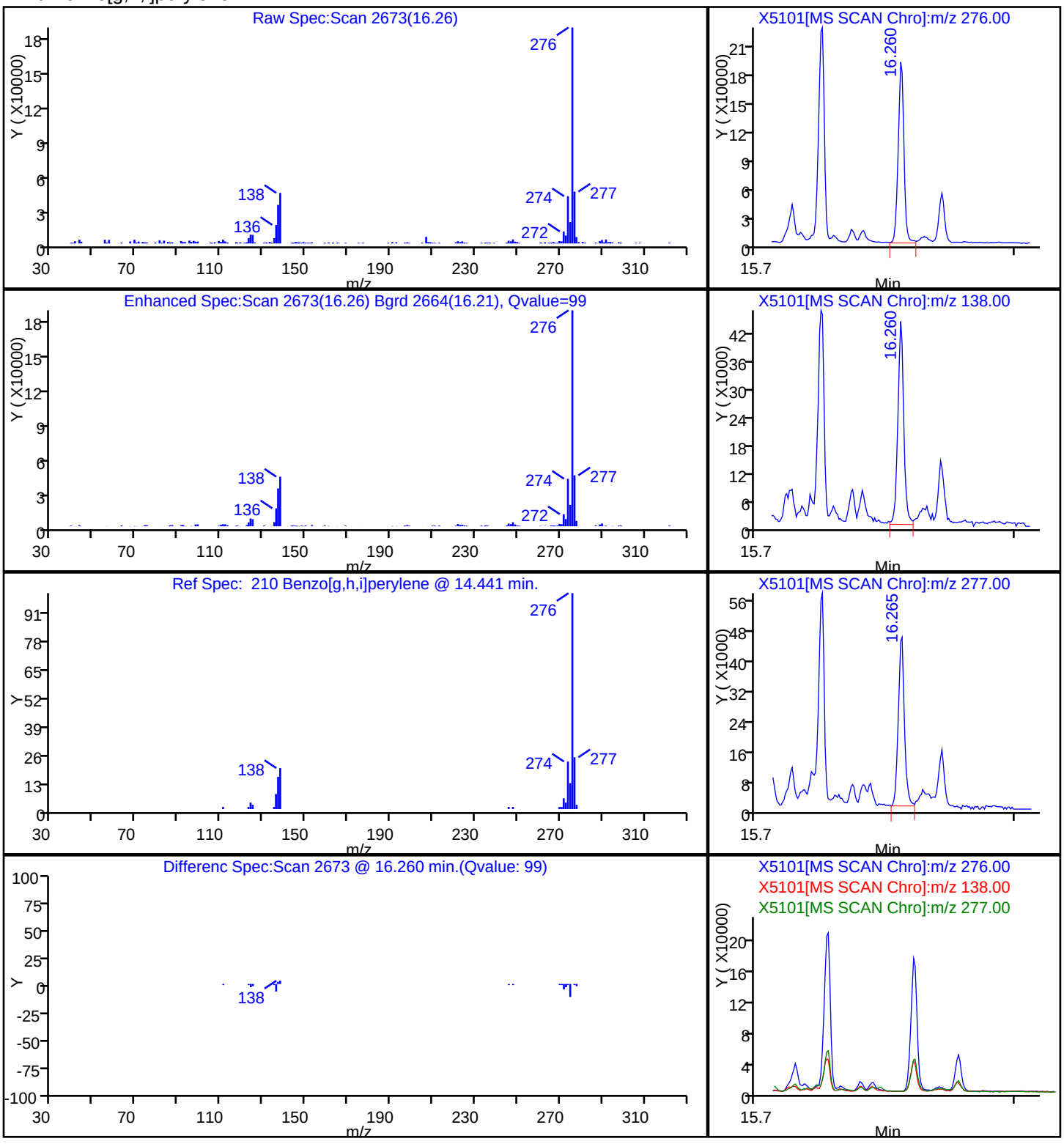
203 Benzo[b]fluoranthene



Report Date: 10-Apr-2012 10:56:23 Chrom Revision: 2.0 20-Feb-2012 13:27:02

Data File:	\\Bufchrom\ChromData\HP5973X\20120409-10842.b\X5101.D		
Injection Date:	09-Apr-2012 21:48:30	Limit Group:	MB - 8270C ICAL
Client ID:	SB-A3 (5'-6'1")	Instrument ID:	HP5973X
Lims Batch ID:	58786	Lims Sample ID:	14
Operator ID:	RMM	Injection Vol:	1.00 ul
Column Type:	RXI-5Sil MS	Column Dia:	0.25 mm

210 Benzo[g,h,i]perylene

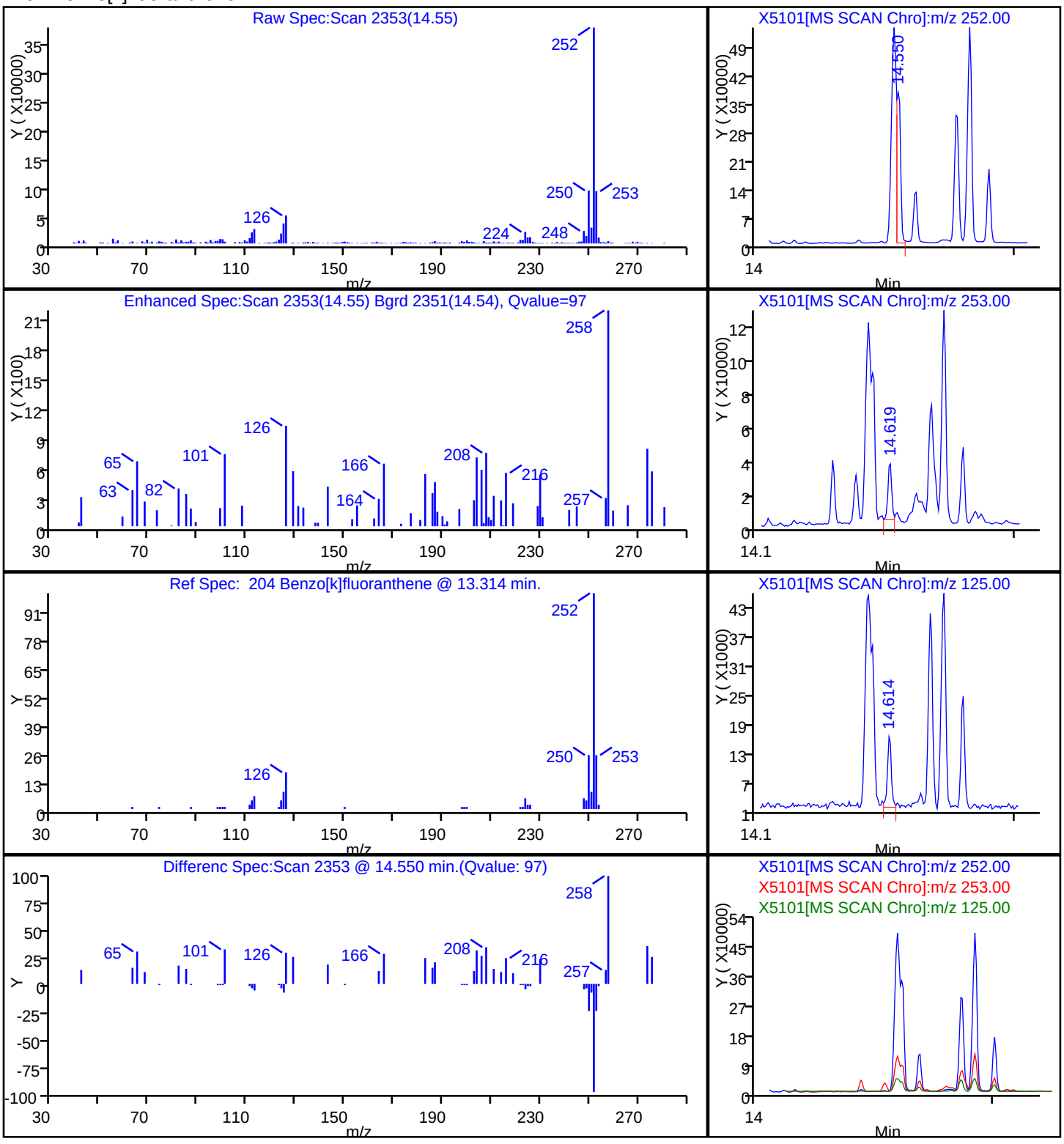


Report Date: 10-Apr-2012 10:56:23 Chrom Revision: 2.0 20-Feb-2012 13:27:02

Data File: \\Bufchrom\ChromData\HP5973X\20120409-10842.b\X5101.D

Injection Date:	09-Apr-2012 21:48:30	Limit Group:	MB - 8270C ICAL
Client ID:	SB-A3 (5'-6'1")	Instrument ID:	HP5973X
Lims Batch ID:	58786	Lims Sample ID:	14
Operator ID:	RMM	Injection Vol:	1.00 ul
Column Type:	RXI-5Sil MS	Column Dia:	0.25 mm

204 Benzo[k]fluoranthene

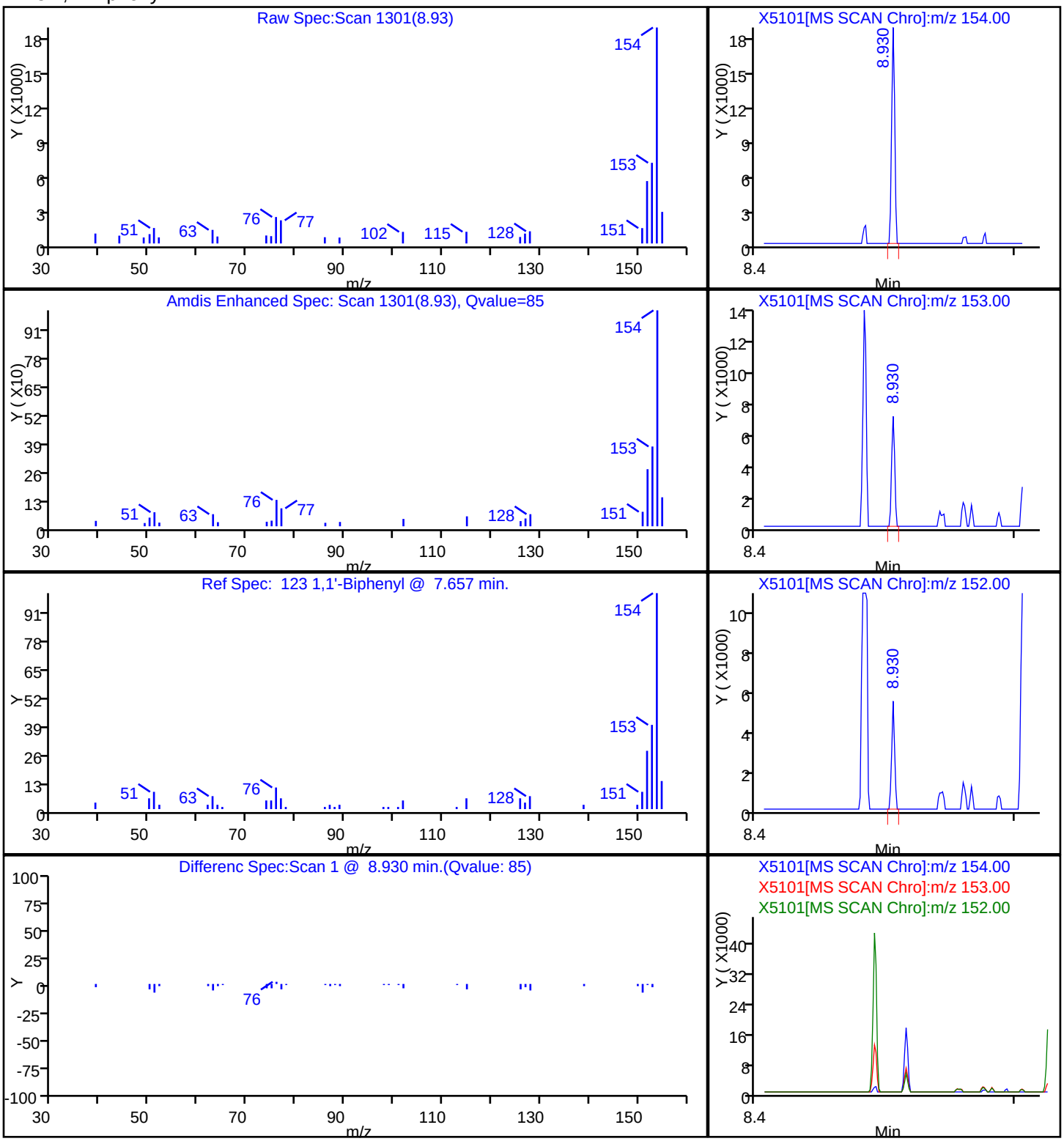


Report Date: 10-Apr-2012 10:56:23 Chrom Revision: 2.0 20-Feb-2012 13:27:02

Data File: \\Bufchrom\ChromData\HP5973X\20120409-10842.b\X5101.D

Injection Date:	09-Apr-2012 21:48:30	Limit Group:	MB - 8270C ICAL
Client ID:	SB-A3 (5'-6'1")	Instrument ID:	HP5973X
Lims Batch ID:	58786	Lims Sample ID:	14
Operator ID:	RMM	Injection Vol:	1.00 ul
Column Type:	RXI-5Sil MS	Column Dia:	0.25 mm

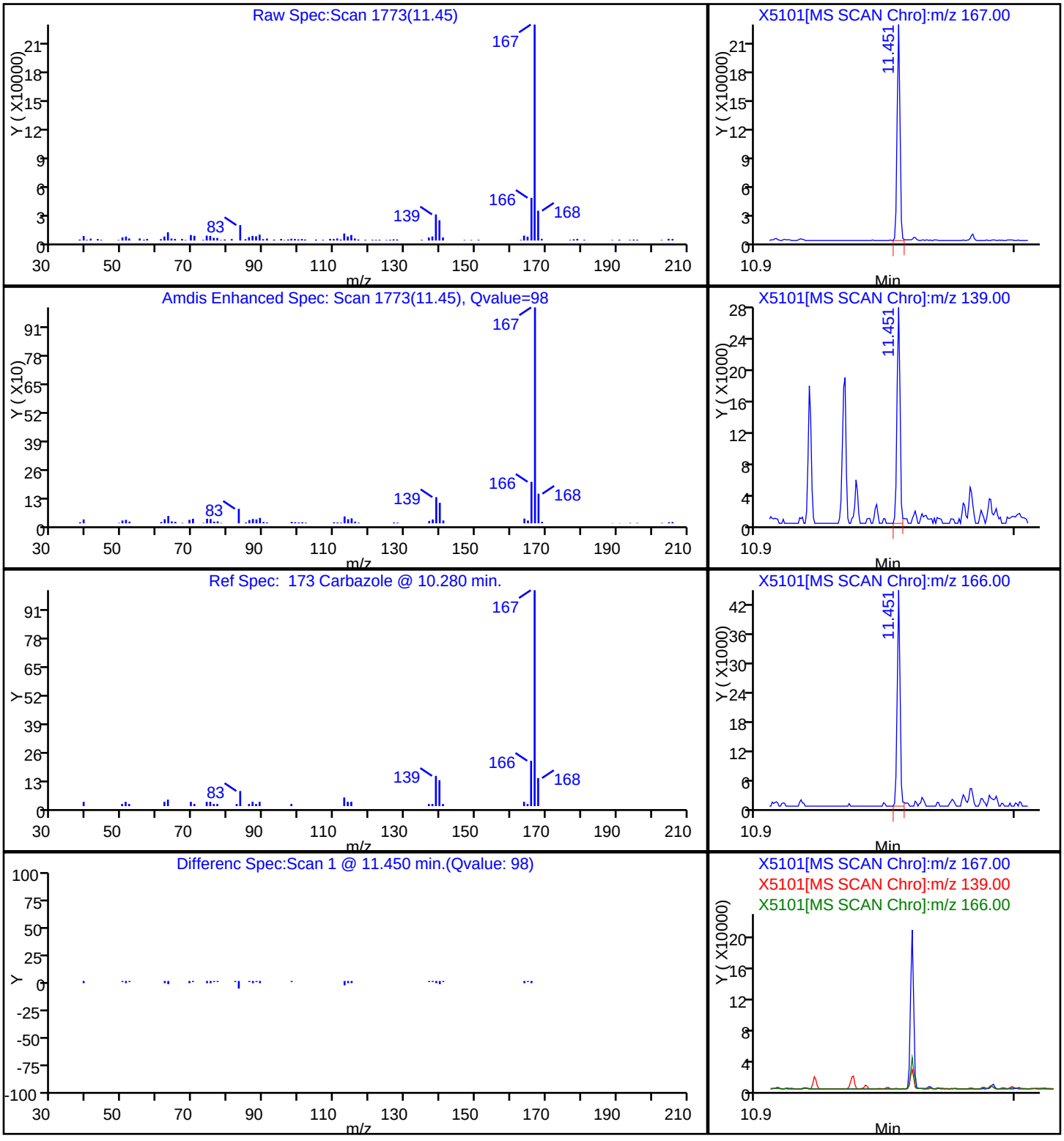
123 1,1'-Biphenyl



Report Date: 10-Apr-2012 10:56:23 Chrom Revision: 2.0 20-Feb-2012 13:27:02

Data File:	\\Bufchrom\ChromData\HP5973X\20120409-10842.b\X5101.D		
Injection Date:	09-Apr-2012 21:48:30	Limit Group:	MB - 8270C ICAL
Client ID:	SB-A3 (5'-6'1")	Instrument ID:	HP5973X
Lims Batch ID:	58786	Lims Sample ID:	14
Operator ID:	RMM	Injection Vol:	1.00 ul
Column Type:	RXI-5Sil MS	Column Dia:	0.25 mm

173 Carbazole

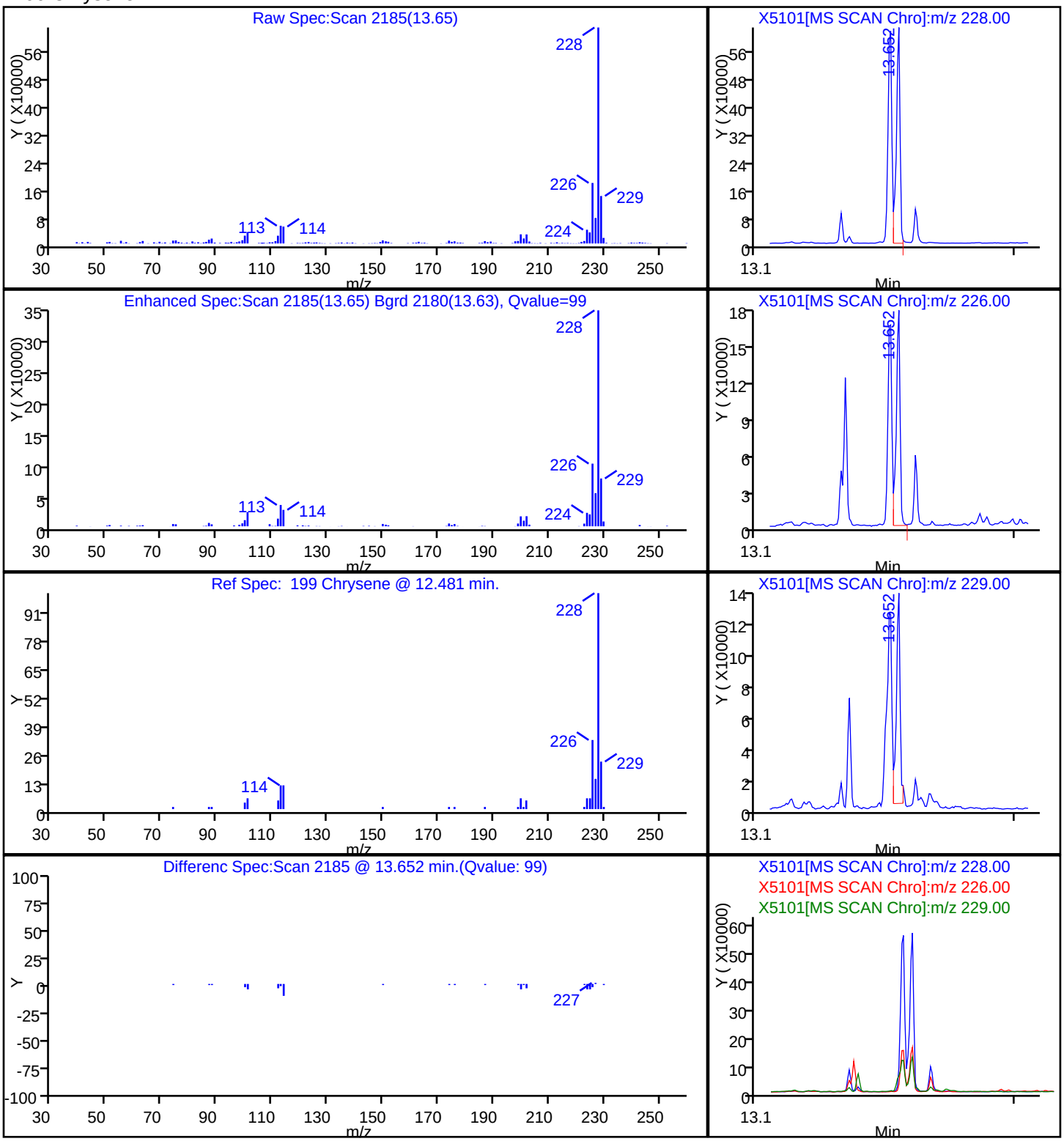


Report Date: 10-Apr-2012 10:56:23 Chrom Revision: 2.0 20-Feb-2012 13:27:02

Data File: \\Bufchrom\ChromData\HP5973X\20120409-10842.b\X5101.D

Injection Date:	09-Apr-2012 21:48:30	Limit Group:	MB - 8270C ICAL
Client ID:	SB-A3 (5'-6'1")	Instrument ID:	HP5973X
Lims Batch ID:	58786	Lims Sample ID:	14
Operator ID:	RMM	Injection Vol:	1.00 ul
Column Type:	RXI-5Sil MS	Column Dia:	0.25 mm

199 Chrysene

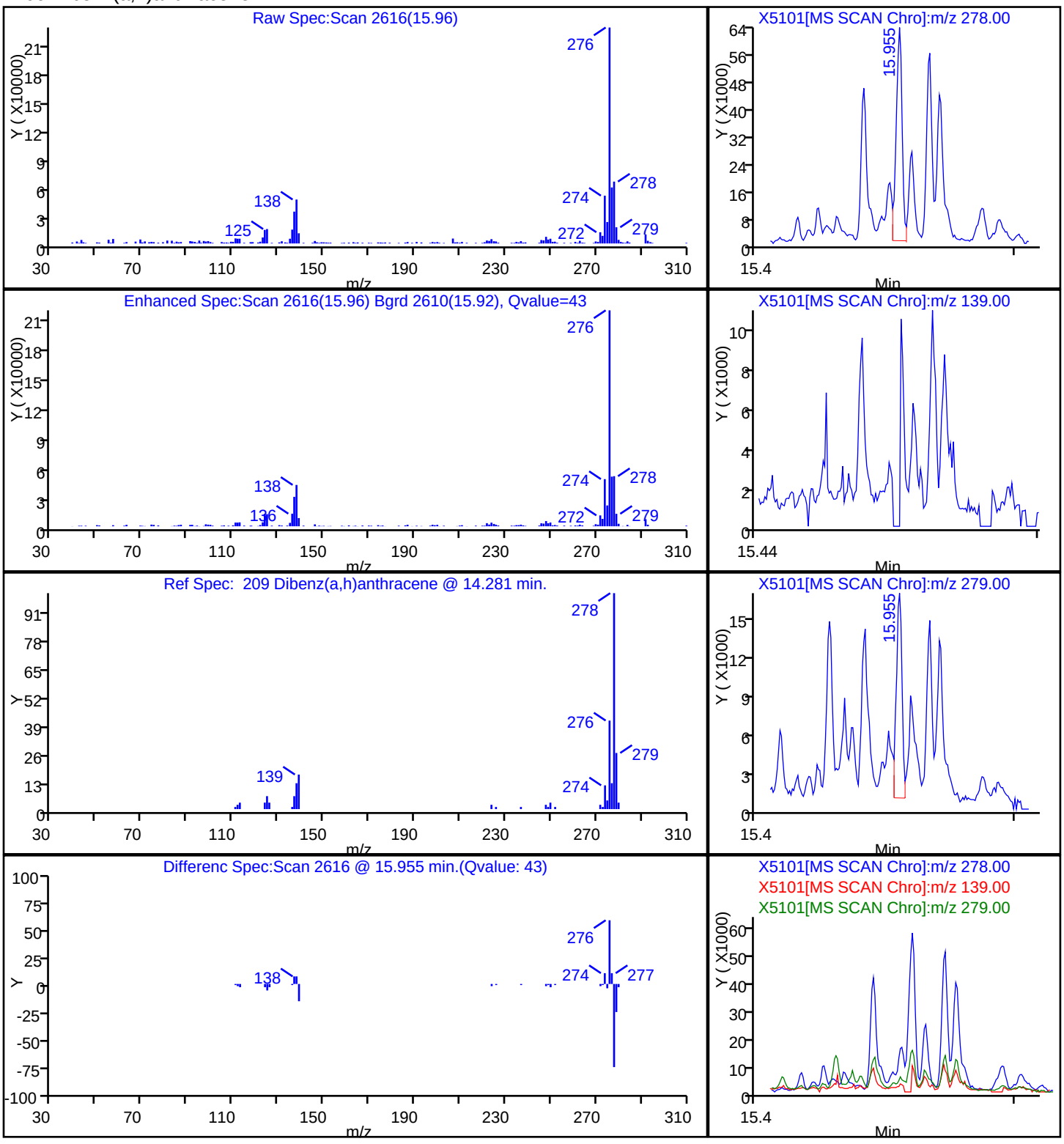


Report Date: 10-Apr-2012 10:56:23 Chrom Revision: 2.0 20-Feb-2012 13:27:02

Data File: \\Bufchrom\ChromData\HP5973X\20120409-10842.b\X5101.D

Injection Date:	09-Apr-2012 21:48:30	Limit Group:	MB - 8270C ICAL
Client ID:	SB-A3 (5'-6'1")	Instrument ID:	HP5973X
Lims Batch ID:	58786	Lims Sample ID:	14
Operator ID:	RMM	Injection Vol:	1.00 ul
Column Type:	RXI-5Sil MS	Column Dia:	0.25 mm

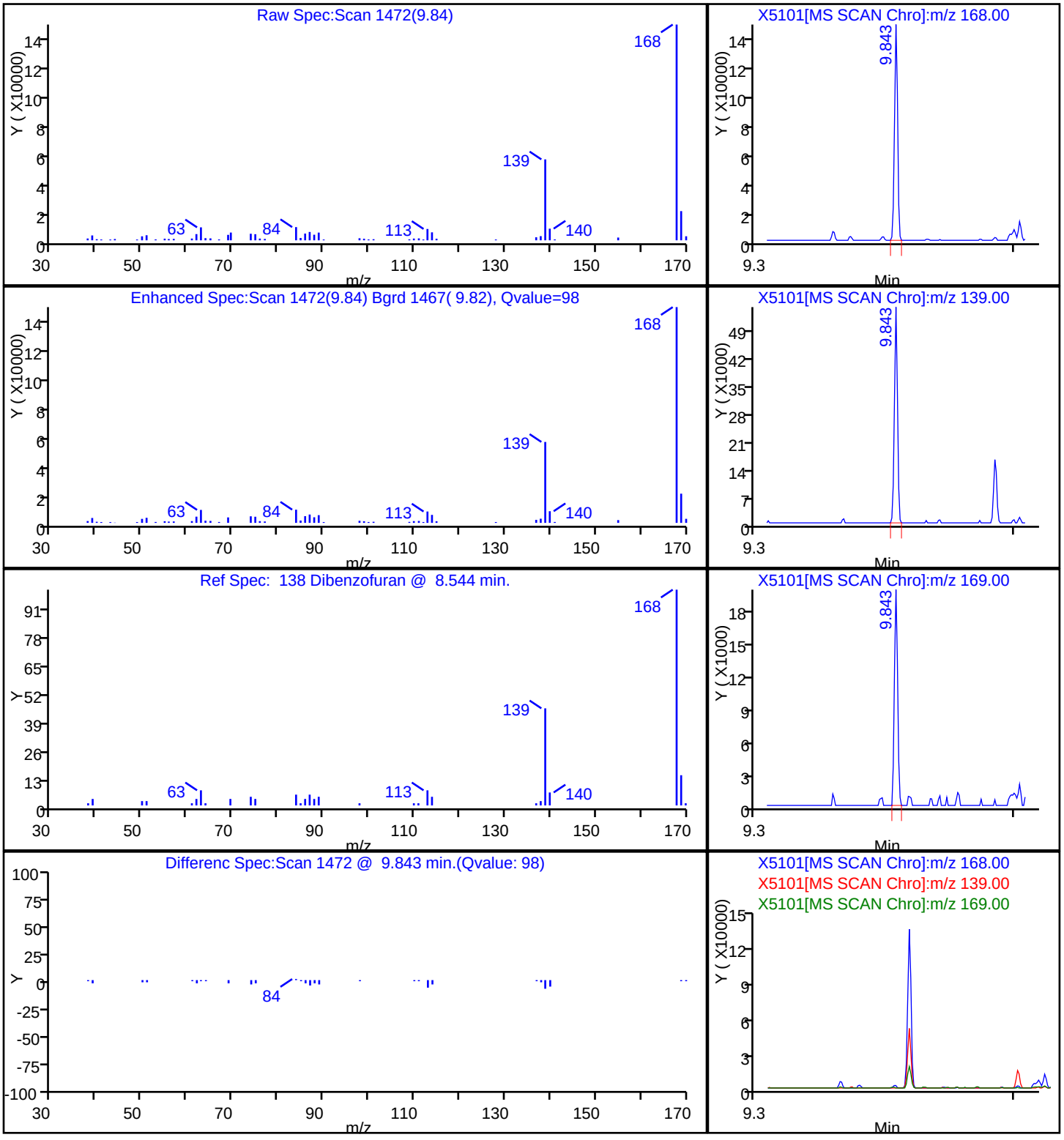
209 Dibenz(a,h)anthracene



Report Date: 10-Apr-2012 10:56:23 Chrom Revision: 2.0 20-Feb-2012 13:27:02

Data File:	\\Bufchrom\ChromData\HP5973X\20120409-10842.b\X5101.D		
Injection Date:	09-Apr-2012 21:48:30	Limit Group:	MB - 8270C ICAL
Client ID:	SB-A3 (5'-6'1")	Instrument ID:	HP5973X
Lims Batch ID:	58786	Lims Sample ID:	14
Operator ID:	RMM	Injection Vol:	1.00 ul
Column Type:	RXI-5Sil MS	Column Dia:	0.25 mm

138 Dibenzofuran

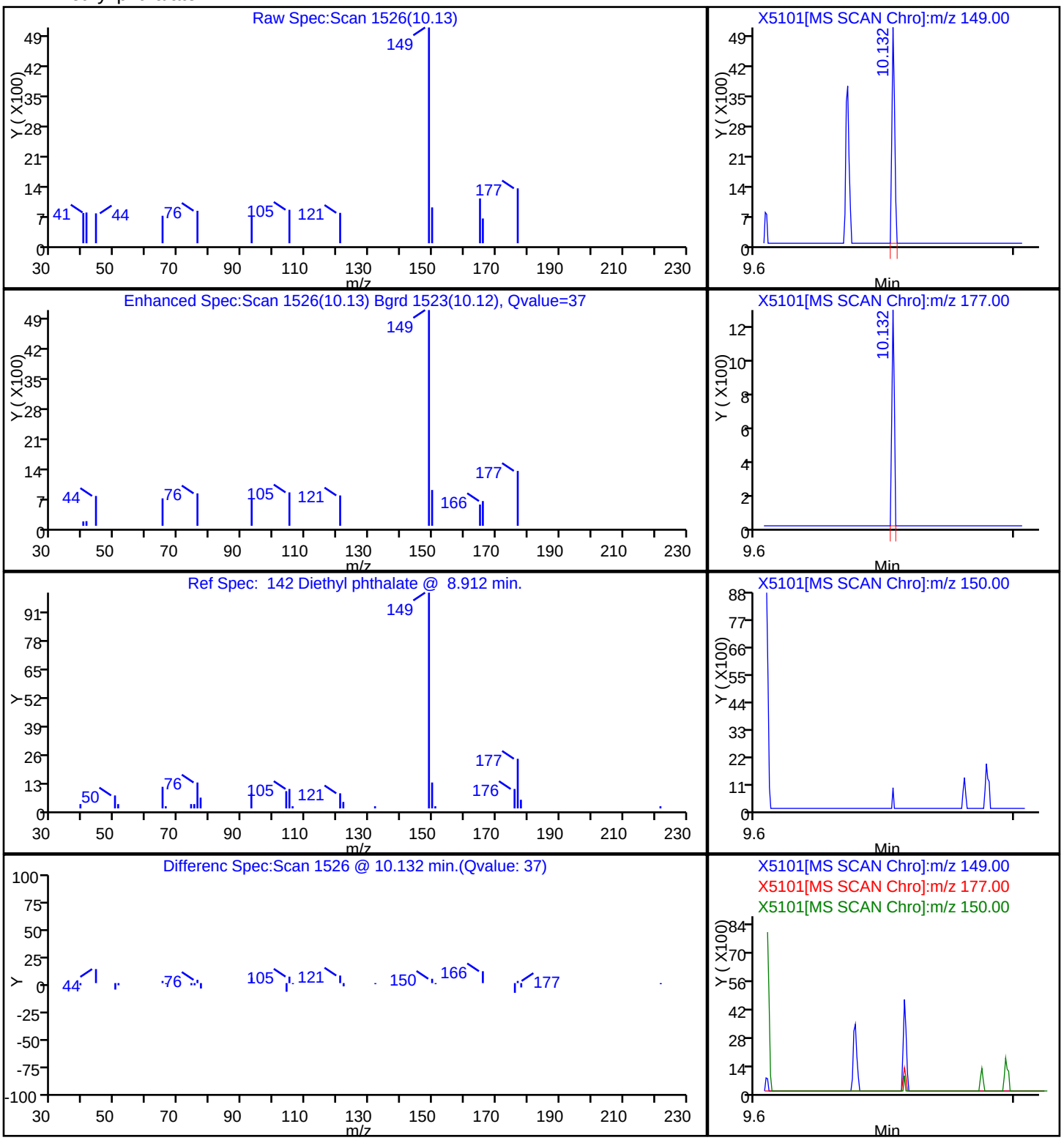


Report Date: 10-Apr-2012 10:56:23 Chrom Revision: 2.0 20-Feb-2012 13:27:02

Data File: \\Bufchrom\ChromData\HP5973X\20120409-10842.b\X5101.D

Injection Date:	09-Apr-2012 21:48:30	Limit Group:	MB - 8270C ICAL
Client ID:	SB-A3 (5'-6'1")	Instrument ID:	HP5973X
Lims Batch ID:	58786	Lims Sample ID:	14
Operator ID:	RMM	Injection Vol:	1.00 ul
Column Type:	RXI-5Sil MS	Column Dia:	0.25 mm

142 Diethyl phthalate

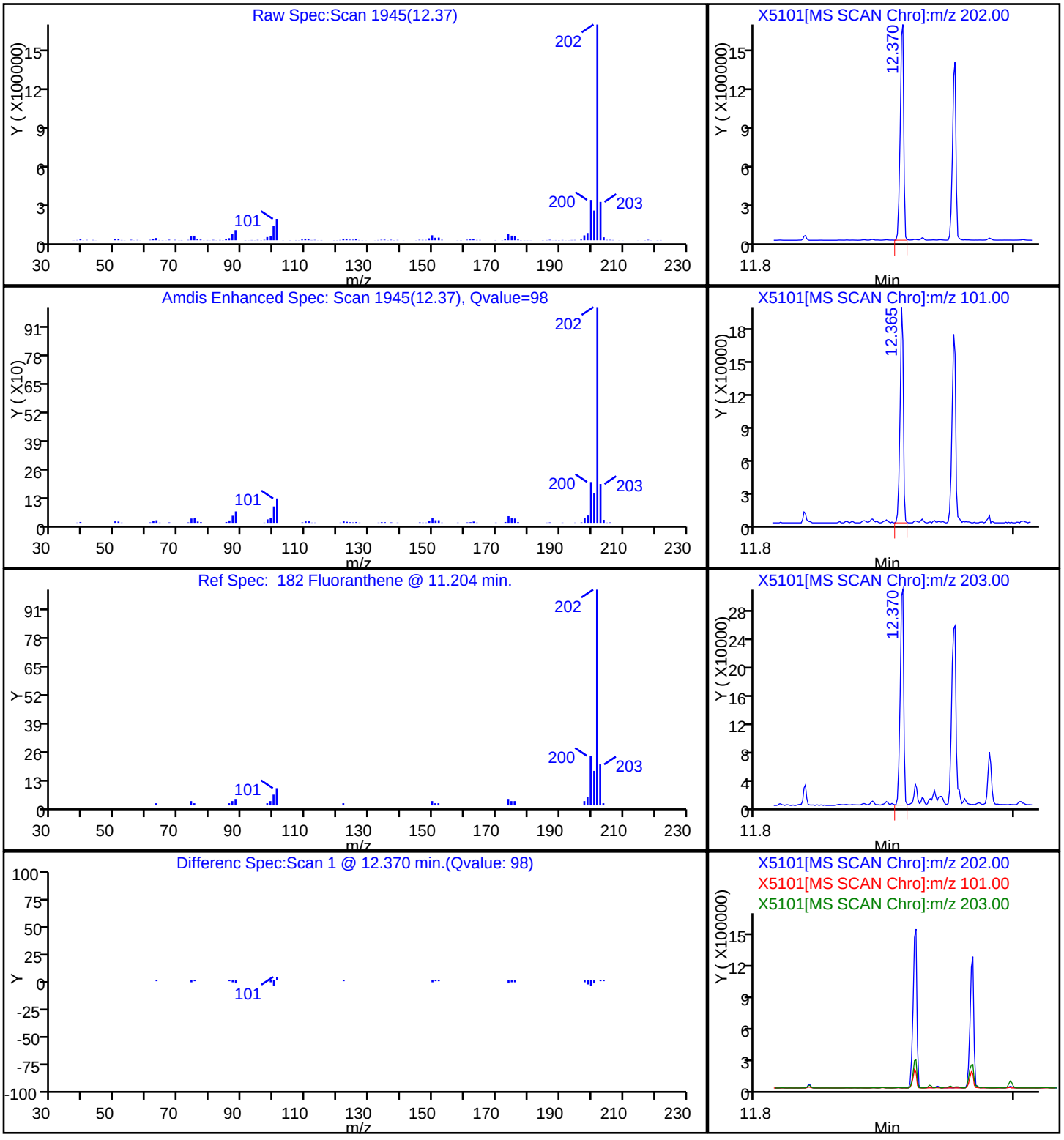


Report Date: 10-Apr-2012 10:56:23 Chrom Revision: 2.0 20-Feb-2012 13:27:02

Data File: \\Bufchrom\ChromData\HP5973X\20120409-10842.b\X5101.D

Injection Date:	09-Apr-2012 21:48:30	Limit Group:	MB - 8270C ICAL
Client ID:	SB-A3 (5'-6'1")	Instrument ID:	HP5973X
Lims Batch ID:	58786	Lims Sample ID:	14
Operator ID:	RMM	Injection Vol:	1.00 ul
Column Type:	RXI-5Sil MS	Column Dia:	0.25 mm

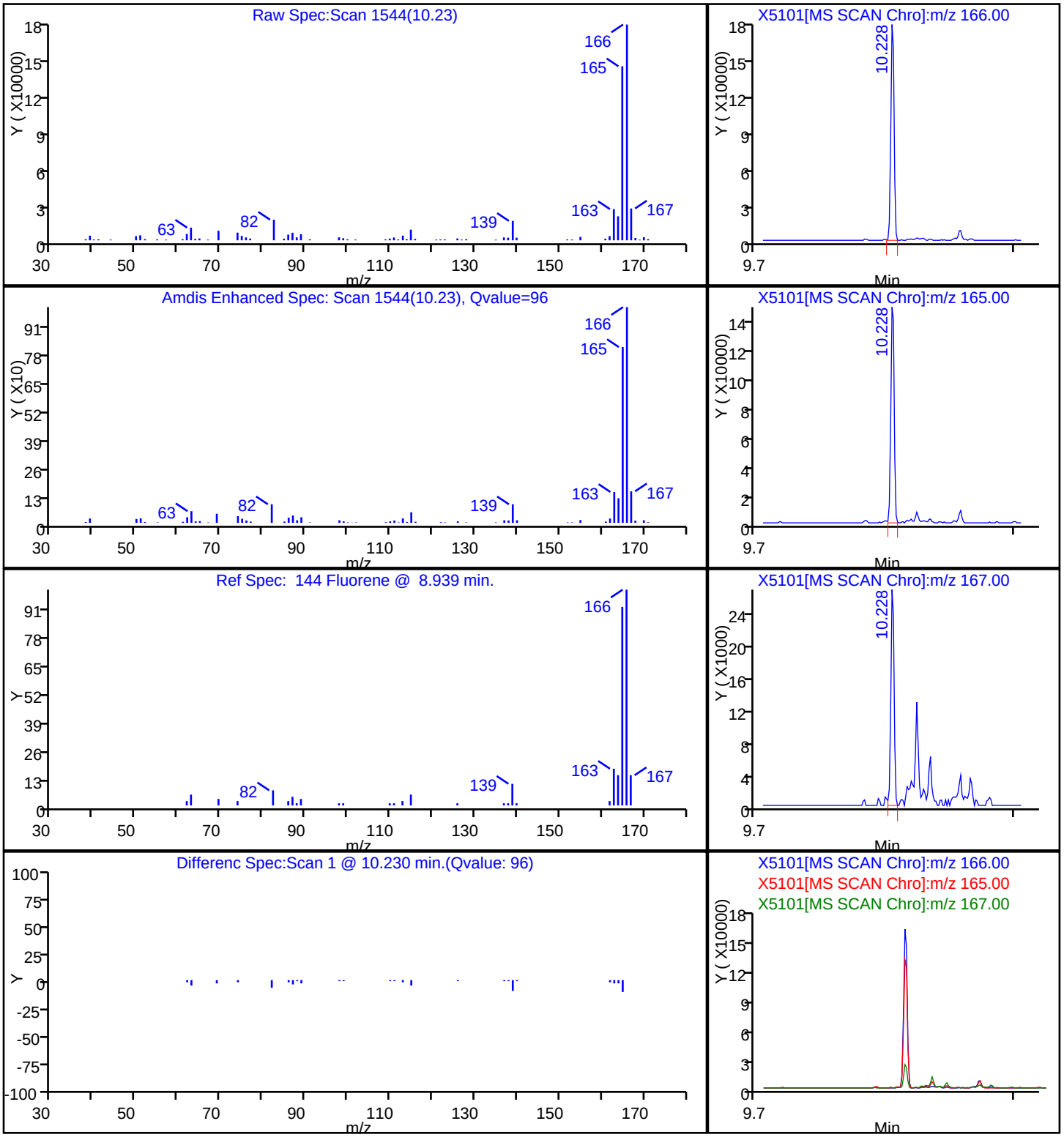
182 Fluoranthene



Report Date: 10-Apr-2012 10:56:23 Chrom Revision: 2.0 20-Feb-2012 13:27:02

Data File:	\\Bufchrom\ChromData\HP5973X\20120409-10842.b\X5101.D		
Injection Date:	09-Apr-2012 21:48:30	Limit Group:	MB - 8270C ICAL
Client ID:	SB-A3 (5'-6'1")	Instrument ID:	HP5973X
Lims Batch ID:	58786	Lims Sample ID:	14
Operator ID:	RMM	Injection Vol:	1.00 ul
Column Type:	RXI-5Sil MS	Column Dia:	0.25 mm

144 Fluorene

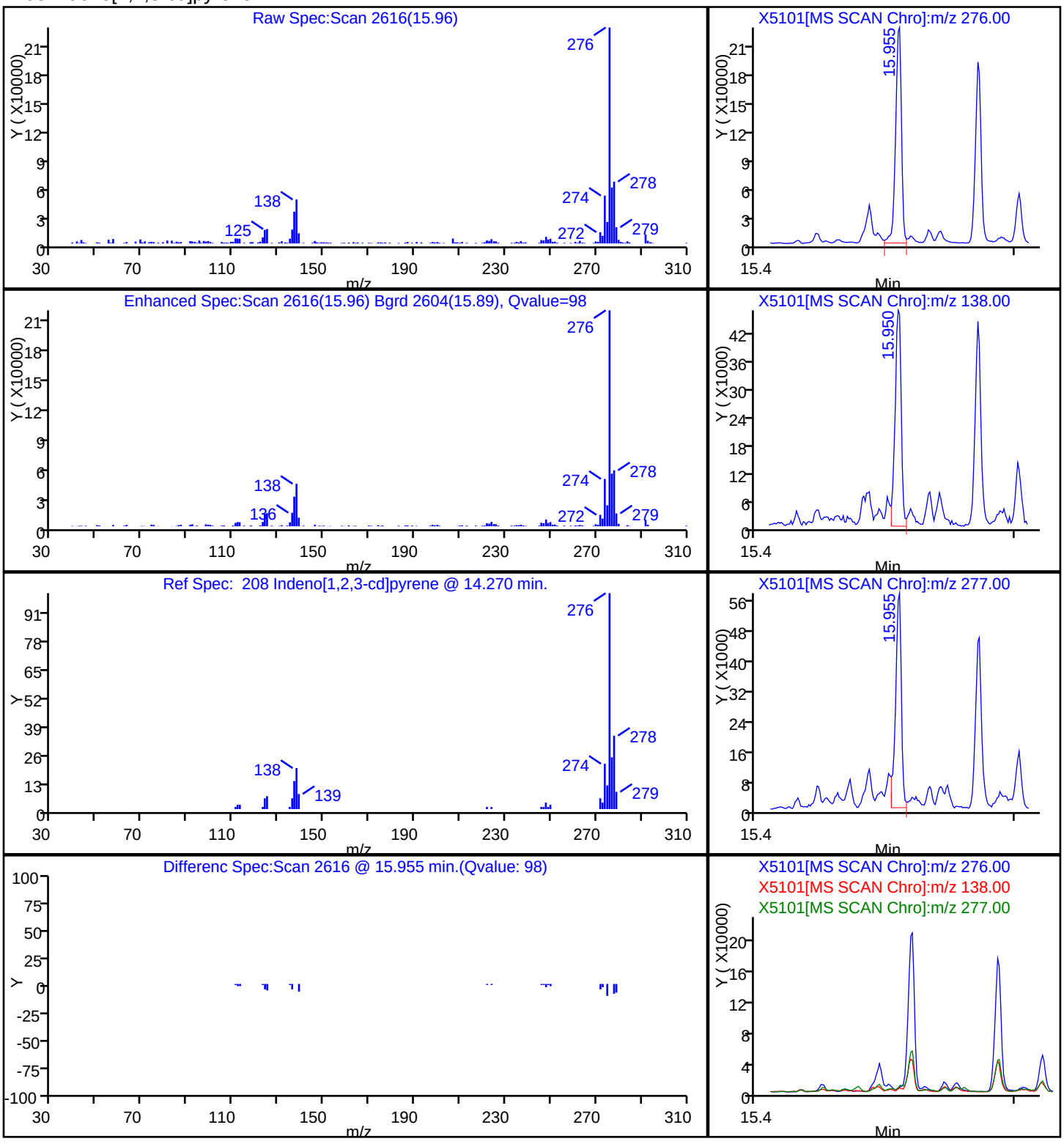


Report Date: 10-Apr-2012 10:56:23 Chrom Revision: 2.0 20-Feb-2012 13:27:02

Data File: \\Bufchrom\ChromData\HP5973X\20120409-10842.b\X5101.D

Injection Date:	09-Apr-2012 21:48:30	Limit Group:	MB - 8270C ICAL
Client ID:	SB-A3 (5'-6'1")	Instrument ID:	HP5973X
Lims Batch ID:	58786	Lims Sample ID:	14
Operator ID:	RMM	Injection Vol:	1.00 ul
Column Type:	RXI-5Sil MS	Column Dia:	0.25 mm

208 Indeno[1,2,3-cd]pyrene

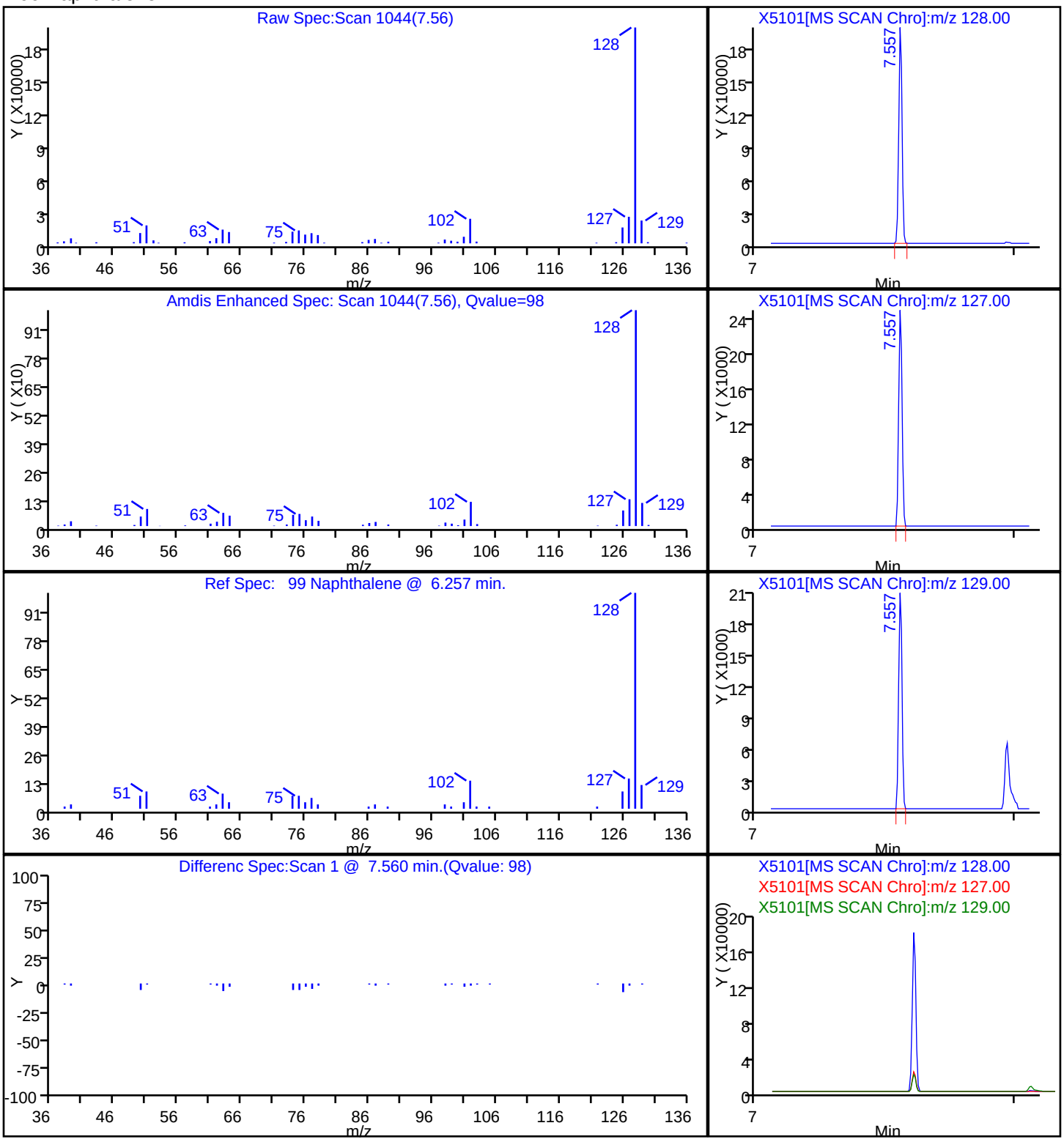


Report Date: 10-Apr-2012 10:56:23 Chrom Revision: 2.0 20-Feb-2012 13:27:02

Data File: \\Bufchrom\ChromData\HP5973X\20120409-10842.b\X5101.D

Injection Date:	09-Apr-2012 21:48:30	Limit Group:	MB - 8270C ICAL
Client ID:	SB-A3 (5'-6'1")	Instrument ID:	HP5973X
Lims Batch ID:	58786	Lims Sample ID:	14
Operator ID:	RMM	Injection Vol:	1.00 ul
Column Type:	RXI-5Sil MS	Column Dia:	0.25 mm

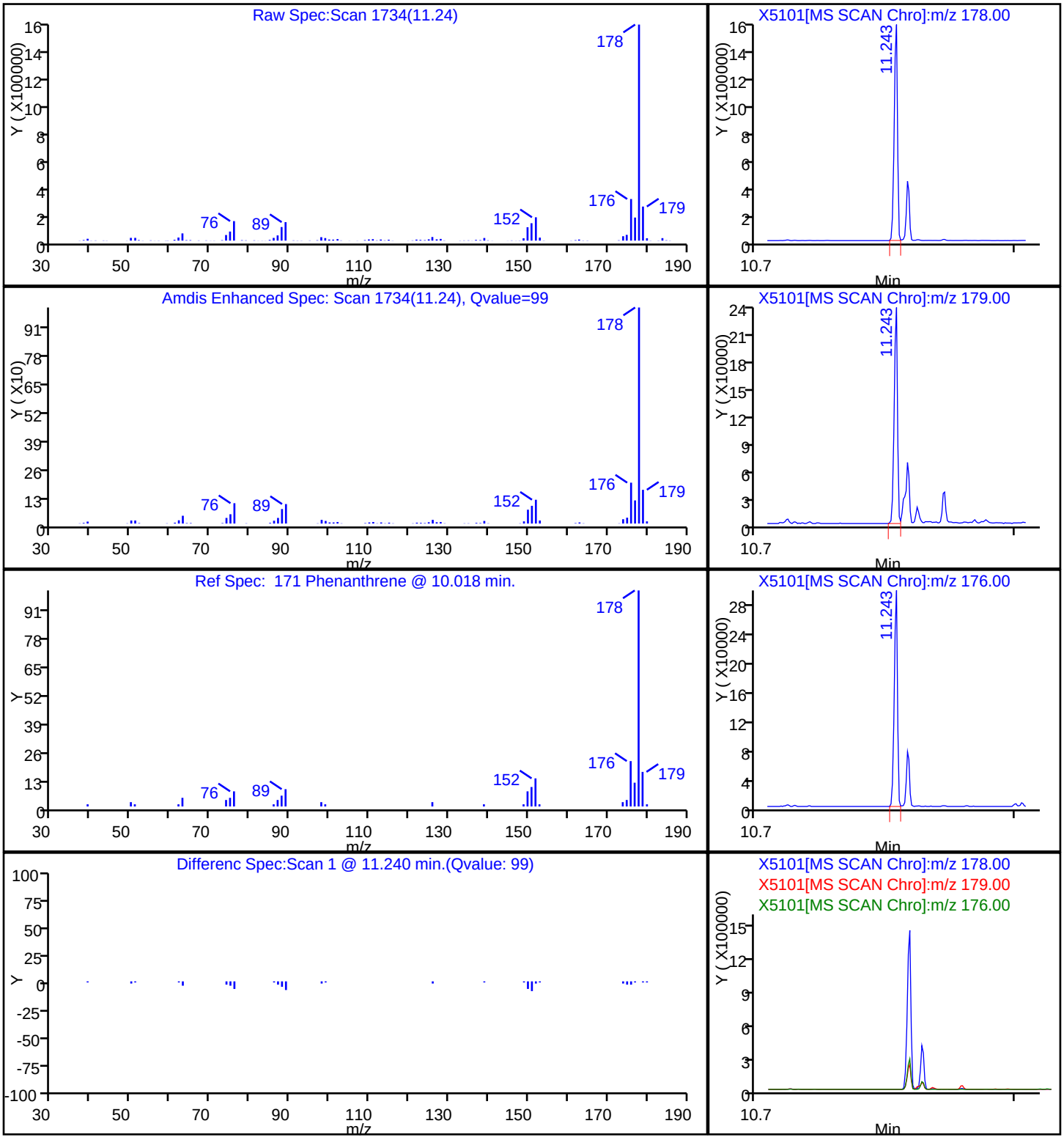
99 Naphthalene



Report Date: 10-Apr-2012 10:56:23 Chrom Revision: 2.0 20-Feb-2012 13:27:02

Data File:	\\Bufchrom\ChromData\HP5973X\20120409-10842.b\X5101.D		
Injection Date:	09-Apr-2012 21:48:30	Limit Group:	MB - 8270C ICAL
Client ID:	SB-A3 (5'-6'1")	Instrument ID:	HP5973X
Lims Batch ID:	58786	Lims Sample ID:	14
Operator ID:	RMM	Injection Vol:	1.00 ul
Column Type:	RXI-5Sil MS	Column Dia:	0.25 mm

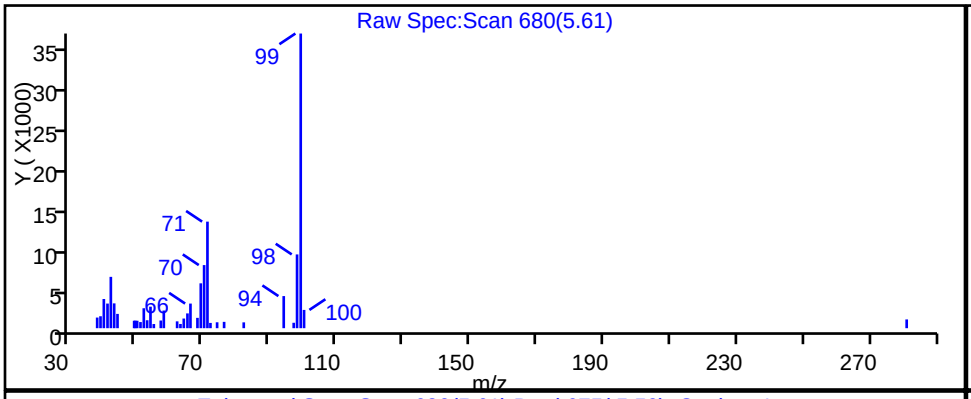
171 Phenanthrene

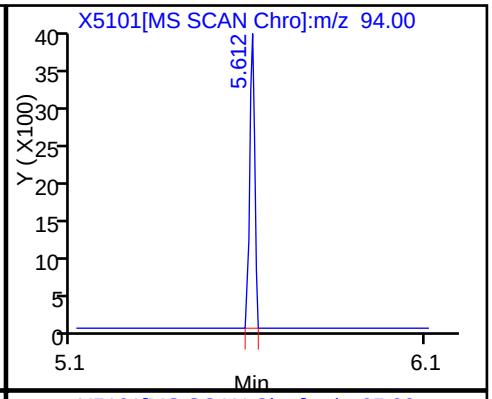


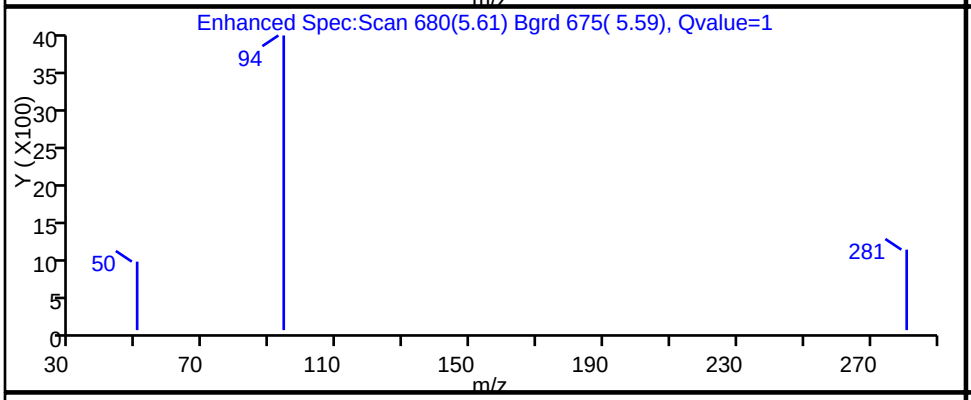
Report Date: 10-Apr-2012 10:56:23 Chrom Revision: 2.0 20-Feb-2012 13:27:02

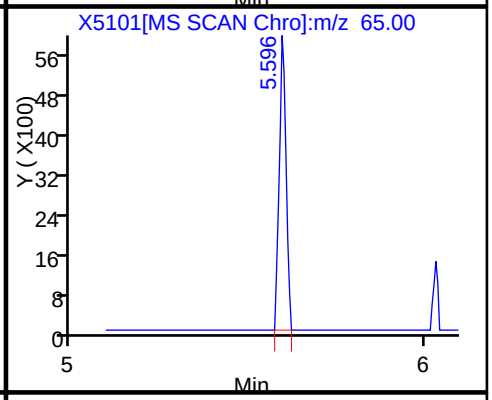
Data File:	\\Bufchrom\ChromData\HP5973X\20120409-10842.b\X5101.D		
Injection Date:	09-Apr-2012 21:48:30	Limit Group:	MB - 8270C ICAL
Client ID:	SB-A3 (5'-6'1")	Instrument ID:	HP5973X
Lims Batch ID:	58786	Lims Sample ID:	14
Operator ID:	RMM	Injection Vol:	1.00 ul
Column Type:	RXI-5Sil MS	Column Dia:	0.25 mm

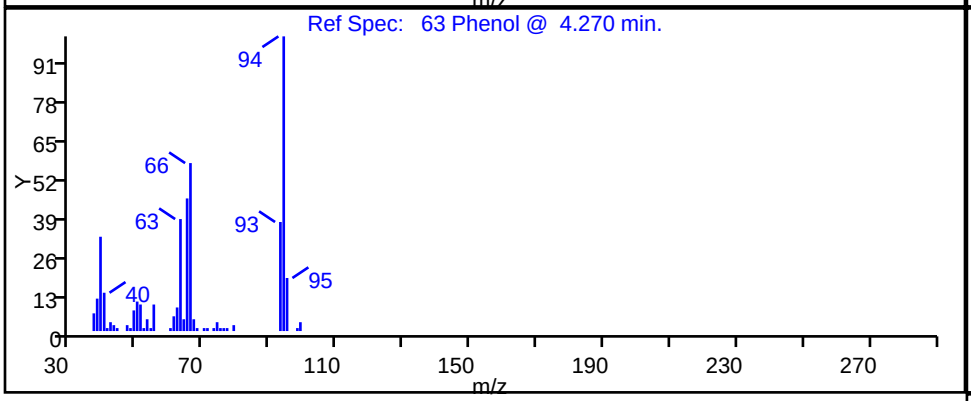
63 Phenol

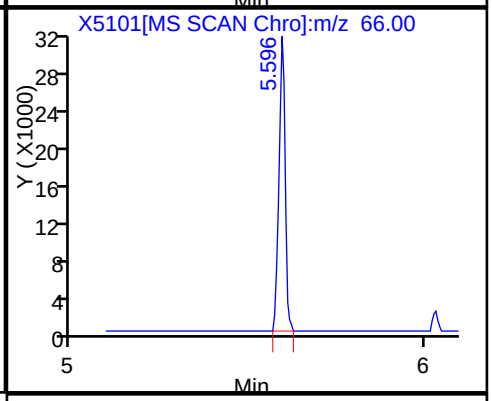


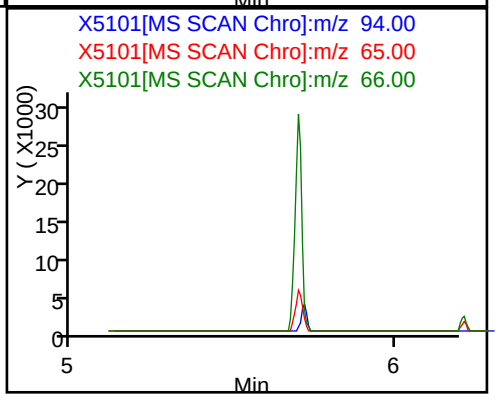










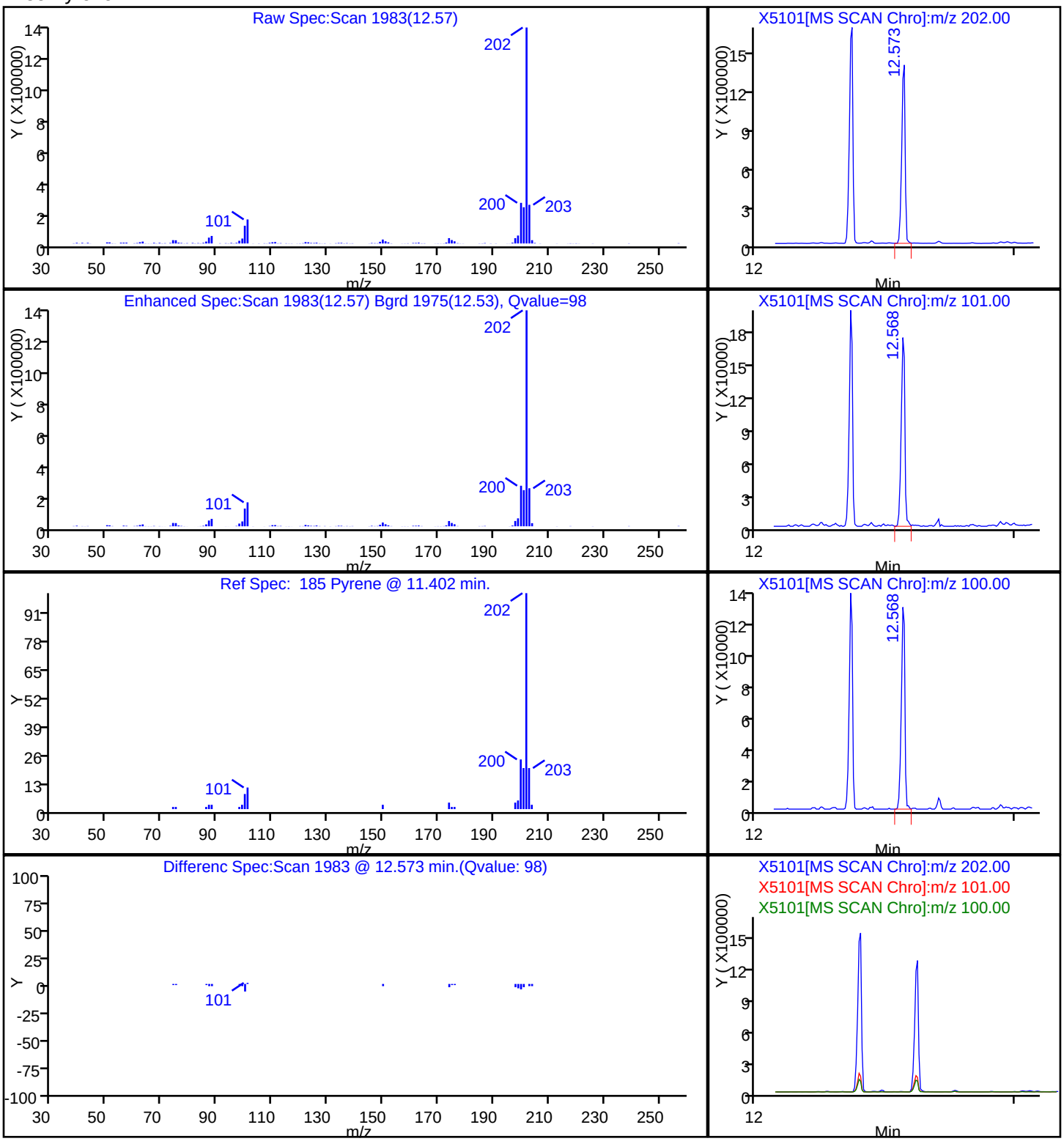


Report Date: 10-Apr-2012 10:56:23 Chrom Revision: 2.0 20-Feb-2012 13:27:02

Data File: \\Bufchrom\ChromData\HP5973X\20120409-10842.b\X5101.D

Injection Date:	09-Apr-2012 21:48:30	Limit Group:	MB - 8270C ICAL
Client ID:	SB-A3 (5'-6'1")	Instrument ID:	HP5973X
Lims Batch ID:	58786	Lims Sample ID:	14
Operator ID:	RMM	Injection Vol:	1.00 ul
Column Type:	RXI-5Sil MS	Column Dia:	0.25 mm

185 Pyrene



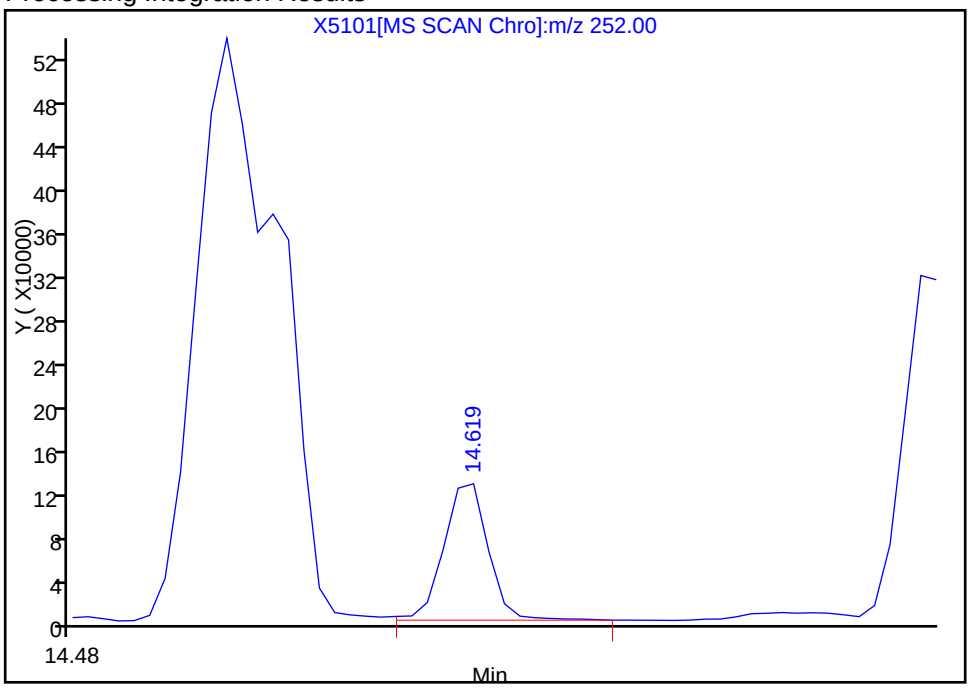
Manual Integration/User Assign Peak Report

Data File:	\\Bufchrom\ChromData\HP5973X\20120409-10842.b\X5101.D		
Injection Date:	09-Apr-2012 21:48:30	Limit Group:	MB - 8270C ICAL
Client ID:	SB-A3 (5'-6'1")	Instrument ID:	HP5973X
Lims Batch ID:	58786	Lims Sample ID:	14
Operator ID:	RMM	Injection Vol:	1.00 ul
Column Type:	RXI-5Sil MS	Column Dia:	0.25 mm

204 Benzo[k]fluoranthene, Signal: 1, m/z: 252.0 Type: quant, RT: 14.55

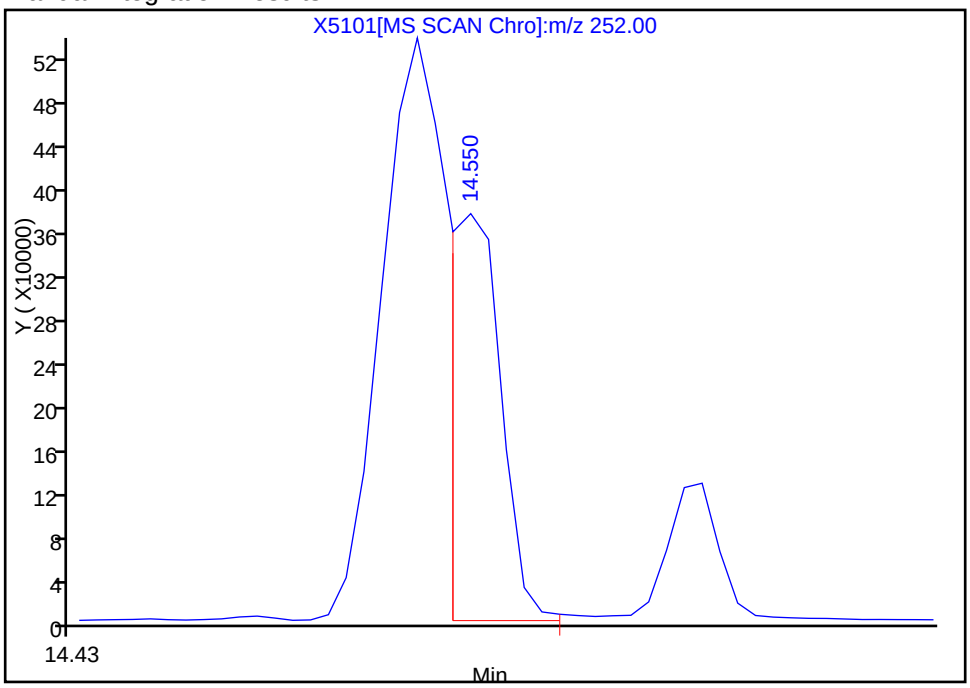
Processing Integration Results

RT: 14.62
Response: 135519
Amount: 8.649306



Manual Integration Results

RT: 14.55
Response: 412865
Amount: 26.350517

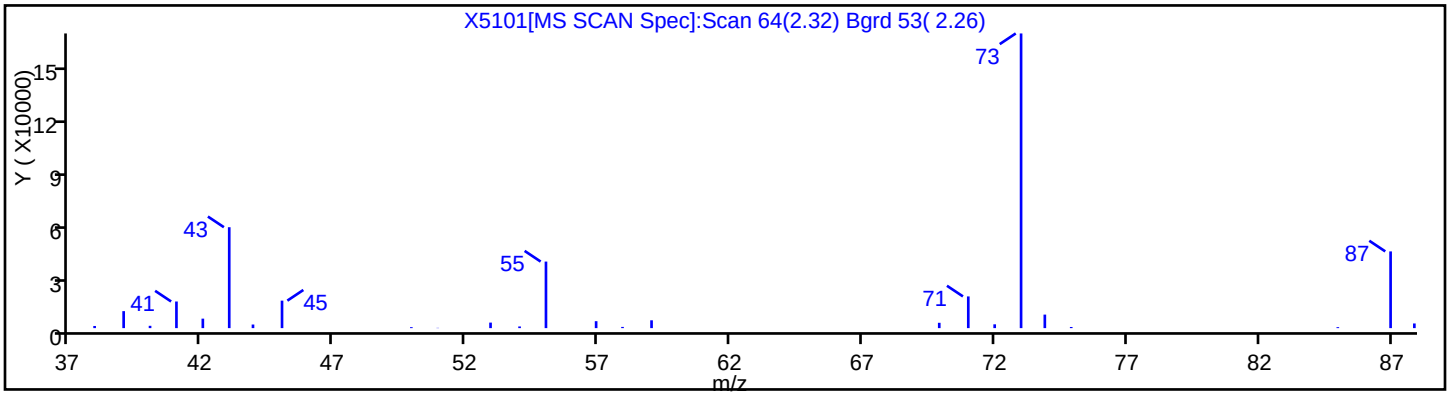


Reviewer: mckernar, 10-Apr-2012 10:56:23
Audit Action: Manually Integrated
Audit Reason: Assign Peak

Report Date: 10-Apr-2012 10:56:23 Chrom Revision: 2.0 20-Feb-2012 13:27:02

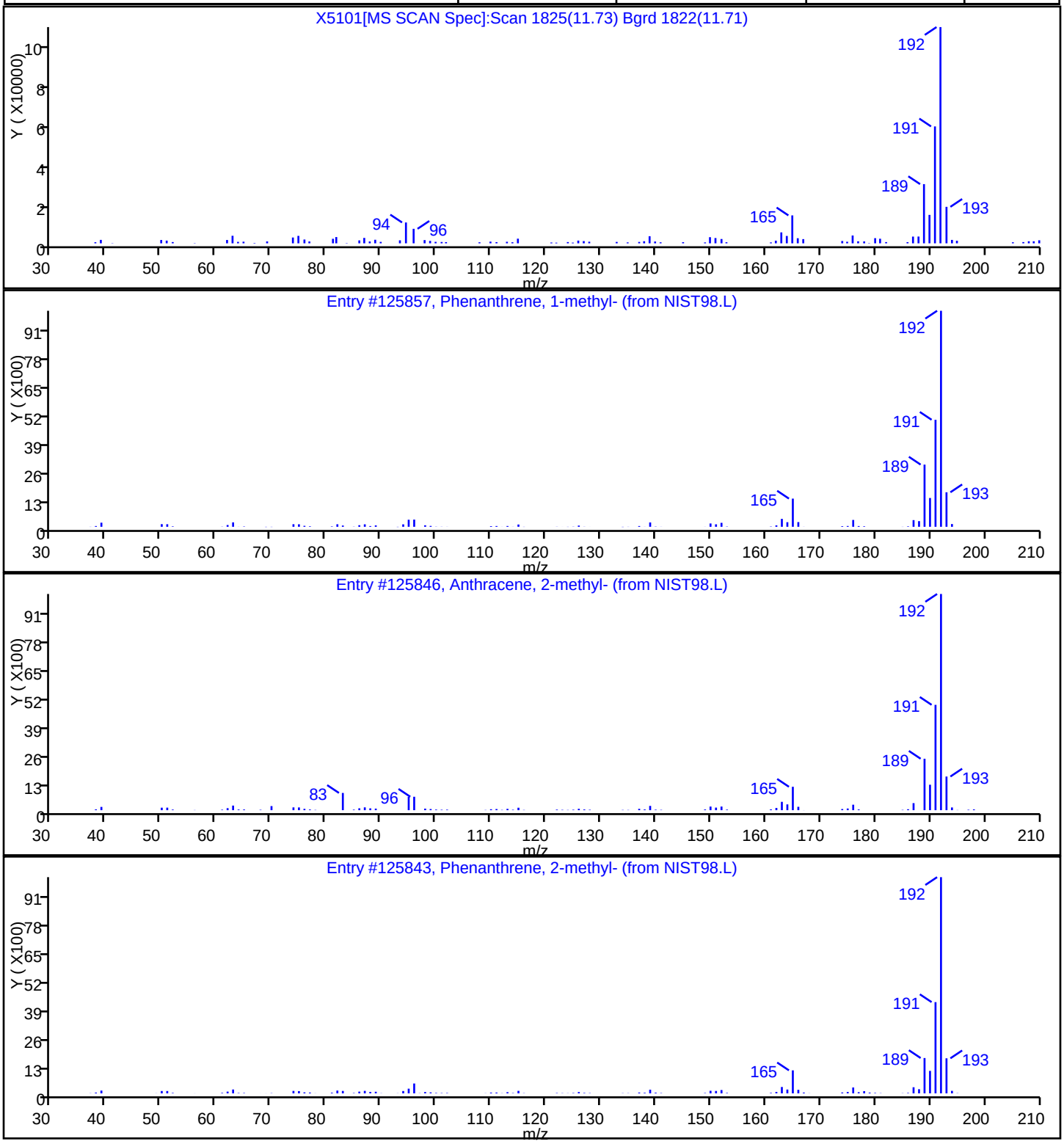
Data File:	\\Bufchrom\ChromData\HP5973X\20120409-10842.b\X5101.D		
Injection Date:	09-Apr-2012 21:48:30	Limit Group:	MB - 8270C ICAL
Client ID:	SB-A3 (5'-6'1")	Instrument ID:	HP5973X
Lims Batch ID:	58786	Lims Sample ID:	14
Operator ID:	RMM	Injection Vol:	1.00 ul
Column Type:	RXI-5Sil MS	Column Dia:	0.25 mm

No Library Matches Found above the Threshold: 85



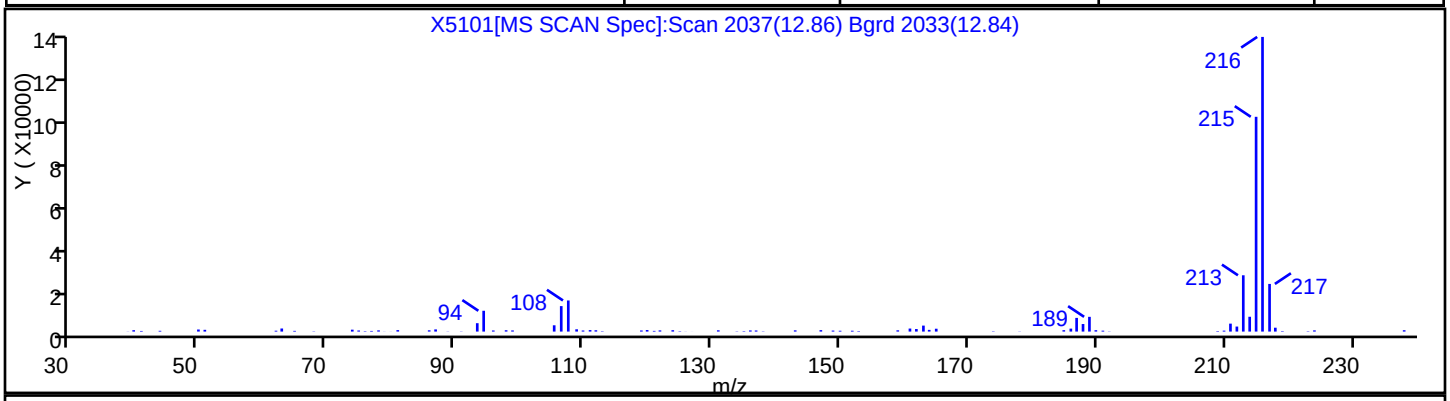
Report Date: 10-Apr-2012 10:56:23 Chrom Revision: 2.0 20-Feb-2012 13:27:02
Data File: \\Bufchrom\ChromData\HP5973X\20120409-10842.b\X5101.D
Injection Date: 09-Apr-2012 21:48:30 Limit Group: MB - 8270C ICAL
Client ID: SB-A3 (5'-6'1") Instrument ID: HP5973X
Lims Batch ID: 58786 Lims Sample ID: 14
Operator ID: RMM Injection Vol: 1.00 ul
Column Type: RXI-5Sil MS Column Dia: 0.25 mm

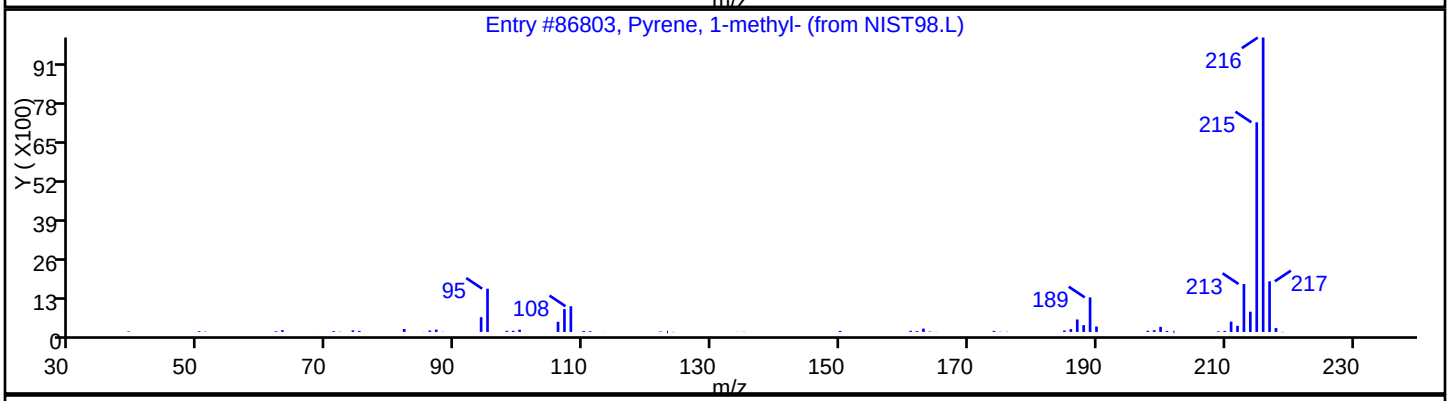
Library Search Compound Match	CAS Number	Library	Entry	Quality
Phenanthrene, 1-methyl-	832-69-9	NIST98.L	125857	97
Anthracene, 2-methyl-	613-12-7	NIST98.L	125846	96
Phenanthrene, 2-methyl-	2531-84-2	NIST98.L	125843	96

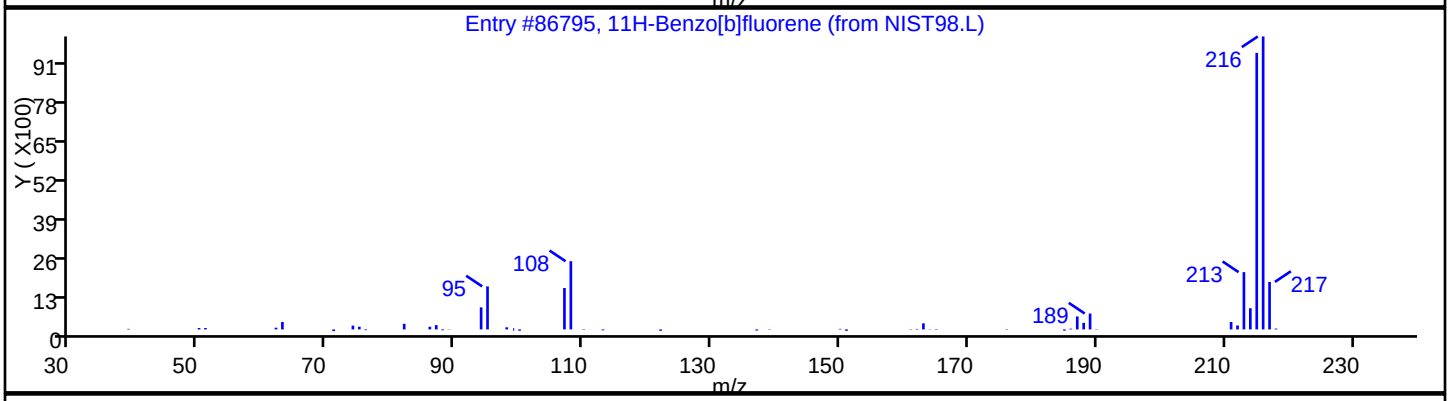


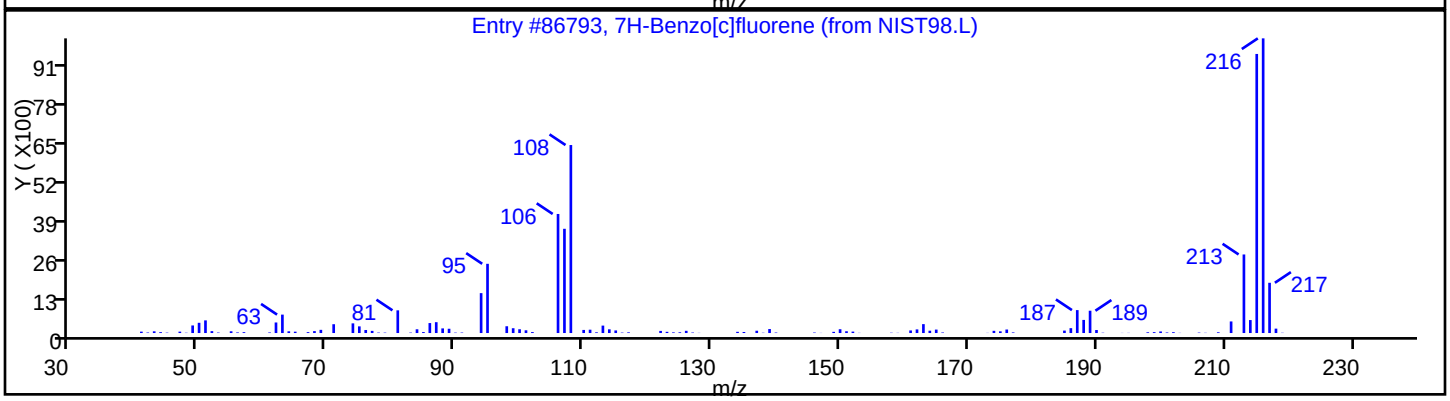
Report Date: 10-Apr-2012 10:56:23 Chrom Revision: 2.0 20-Feb-2012 13:27:02
Data File: \\Bufchrom\ChromData\HP5973X\20120409-10842.b\X5101.D
Injection Date: 09-Apr-2012 21:48:30 Limit Group: MB - 8270C ICAL
Client ID: SB-A3 (5'-6'1") Instrument ID: HP5973X
Lims Batch ID: 58786 Lims Sample ID: 14
Operator ID: RMM Injection Vol: 1.00 ul
Column Type: RXI-5Sil MS Column Dia: 0.25 mm

Library Search Compound Match	CAS Number	Library	Entry	Quality
Pyrene, 1-methyl-	2381-21-7	NIST98.L	86803	93
11H-Benzo[b]fluorene	243-17-4	NIST98.L	86795	91
7H-Benzo[c]fluorene	205-12-9	NIST98.L	86793	87



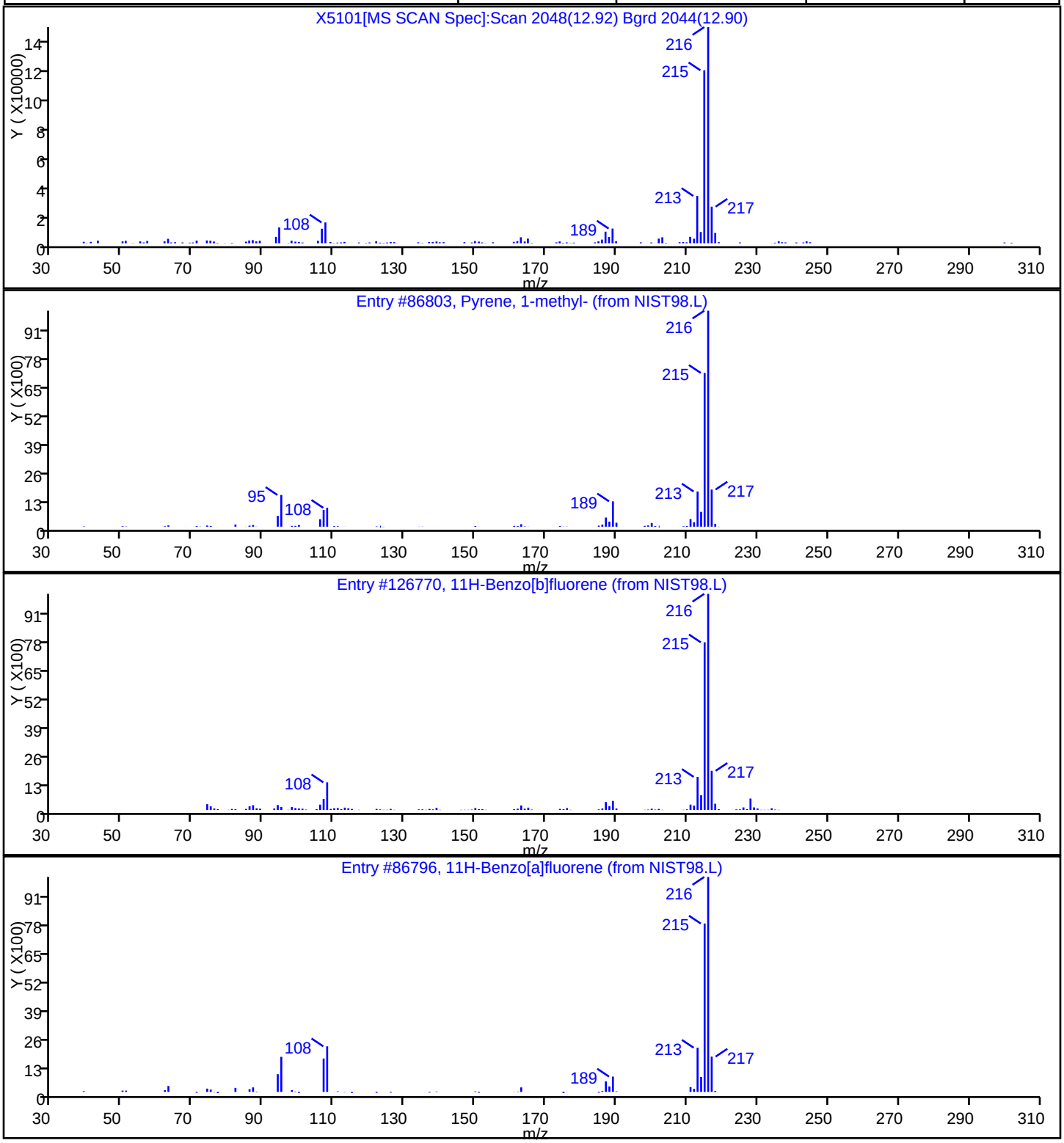






Report Date: 10-Apr-2012 10:56:24 Chrom Revision: 2.0 20-Feb-2012 13:27:02
Data File: \\Bufchrom\ChromData\HP5973X\20120409-10842.b\X5101.D
Injection Date: 09-Apr-2012 21:48:30 Limit Group: MB - 8270C ICAL
Client ID: SB-A3 (5'-6'1") Instrument ID: HP5973X
Lims Batch ID: 58786 Lims Sample ID: 14
Operator ID: RMM Injection Vol: 1.00 ul
Column Type: RXI-5Sil MS Column Dia: 0.25 mm

Library Search Compound Match	CAS Number	Library	Entry	Quality
Pyrene, 1-methyl-	2381-21-7	NIST98.L	86803	94
11H-Benzo[b]fluorene	243-17-4	NIST98.L	126770	93
11H-Benzo[a]fluorene	238-84-6	NIST98.L	86796	87



Report Date: 10-Apr-2012 10:56:24 Chrom Revision: 2.0 20-Feb-2012 13:27:02
Data File: \\Bufchrom\ChromData\HP5973X\20120409-10842.b\X5101.D
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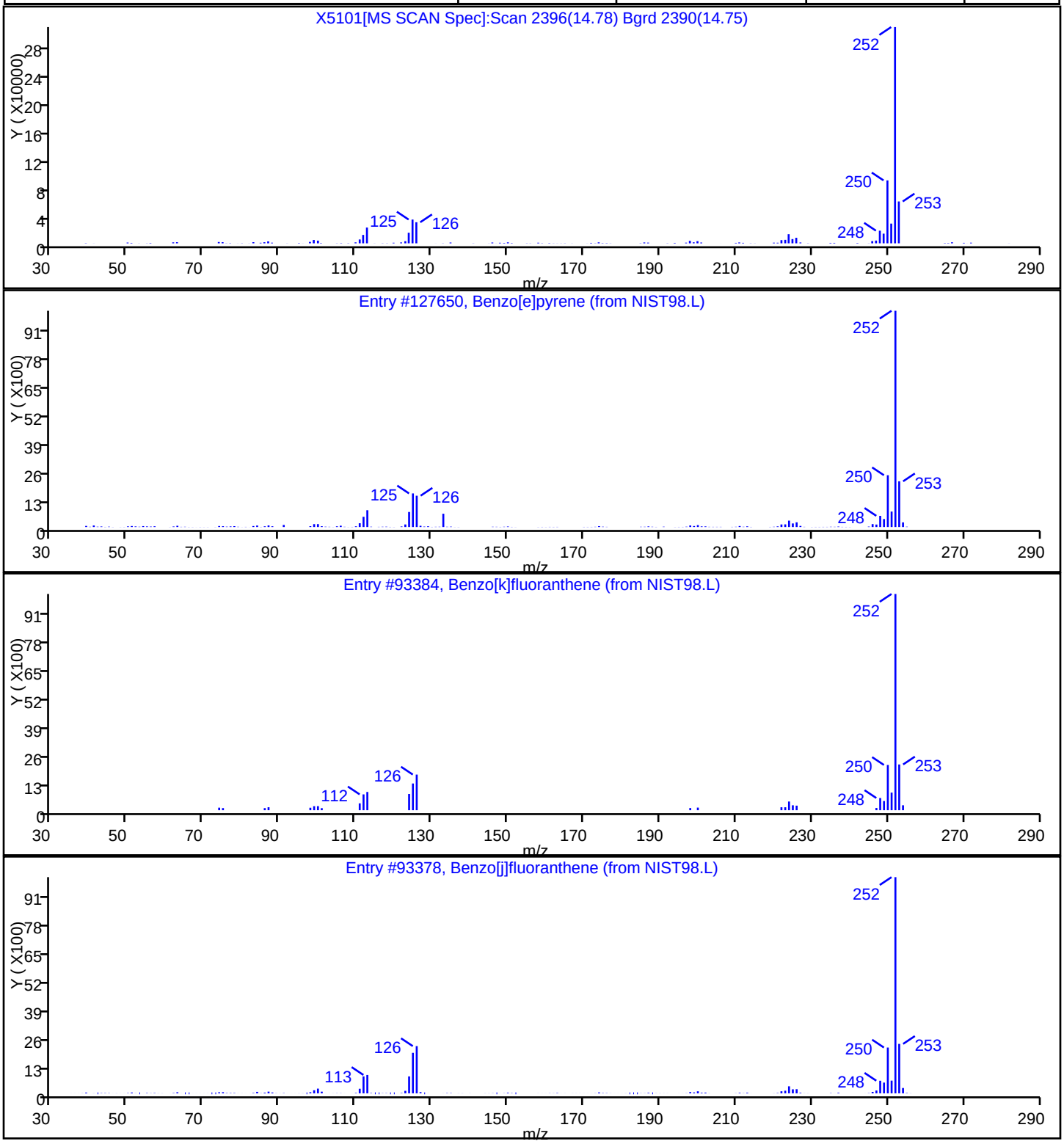
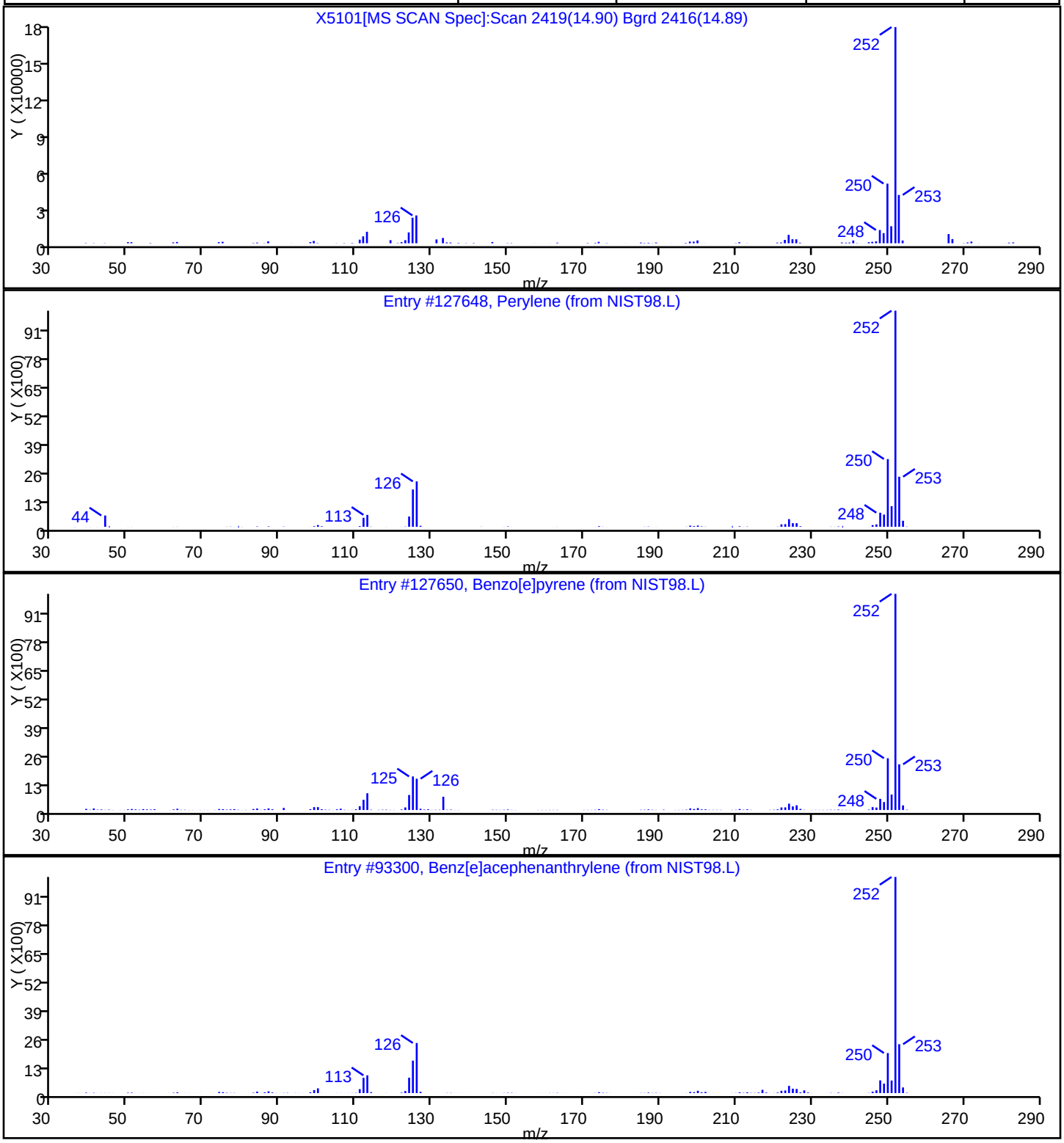
Client ID: SB-A3 (5'-6'1") Instrument ID: HP5973X
Lims Batch ID: 58786 Lims Sample ID: 14
Operator ID: RMM Injection Vol: 1.00 ul
Column Type: RXI-5Sil MS Column Dia: 0.25 mm

Library Search Compound Match	CAS Number	Library	Entry	Quality
Benzo[e]pyrene	192-97-2	NIST98.L	127650	98
Benzo[k]fluoranthene	207-8-9	NIST98.L	93384	97
Benzo[j]fluoranthene	205-82-3	NIST98.L	93378	95



Report Date: 10-Apr-2012 10:56:24 Chrom Revision: 2.0 20-Feb-2012 13:27:02
Data File: \\Bufchrom\ChromData\HP5973X\20120409-10842.b\X5101.D
Injection Date: 09-Apr-2012 21:48:30 Limit Group: MB - 8270C ICAL
Client ID: SB-A3 (5'-6'1") Instrument ID: HP5973X
Lims Batch ID: 58786 Lims Sample ID: 14
Operator ID: RMM Injection Vol: 1.00 ul
Column Type: RXI-5Sil MS Column Dia: 0.25 mm

Library Search Compound Match	CAS Number	Library	Entry	Quality
Perylene	198-55-0	NIST98.L	127648	93
Benzo[e]pyrene	192-97-2	NIST98.L	127650	91
Benz[e]acephenanthrylene	205-99-2	NIST98.L	93300	90



FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Buffalo | Job No.: 480-18068-1

SDG No.:

Client Sample ID: DUP-03 | Lab Sample ID: 480-18068-16

Matrix: Solid | Lab File ID: X5102.D

Analysis Method: 8270C | Date Collected: 04/03/2012 10:30

Extract. Method: 3550B | Date Extracted: 04/05/2012 10:44

Sample wt/vol: +30.87(g) | Date Analyzed: 04/09/2012 22:12

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

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

% Moisture: 11.5 | GPC Cleanup:(Y/N) N

Analysis Batch No.: 58786 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
95-95-4	2,4,5-Trichlorophenol	ND		190	40
88-06-2	2,4,6-Trichlorophenol	ND		190	12
120-83-2	2,4-Dichlorophenol	ND		190	9.7
105-67-9	2,4-Dimethylphenol	ND		190	50
51-28-5	2,4-Dinitrophenol	ND		360	65
121-14-2	2,4-Dinitrotoluene	ND		190	29
606-20-2	2,6-Dinitrotoluene	ND		190	45
91-58-7	2-Chloronaphthalene	ND		190	12
95-57-8	2-Chlorophenol	ND		190	9.4
91-57-6	2-Methylnaphthalene	36	J	190	2.2
95-48-7	2-Methylphenol	ND		190	5.7
88-74-4	2-Nitroaniline	ND		360	59
88-75-5	2-Nitrophenol	ND		190	8.5
91-94-1	3,3'-Dichlorobenzidine	ND		190	160
99-09-2	3-Nitroaniline	ND		360	43
534-52-1	4,6-Dinitro-2-methylphenol	ND		360	64
101-55-3	4-Bromophenyl phenyl ether	ND		190	59
59-50-7	4-Chloro-3-methylphenol	ND		190	7.6
106-47-8	4-Chloroaniline	ND		190	54
7005-72-3	4-Chlorophenyl phenyl ether	ND		190	4.0
106-44-5	4-Methylphenol	ND		360	10
100-01-6	4-Nitroaniline	ND		360	21
100-02-7	4-Nitrophenol	ND	*	360	45
83-32-9	Acenaphthene	97	J	190	2.2
208-96-8	Acenaphthylene	120	J	190	1.5
98-86-2	Acetophenone	ND		190	9.5
120-12-7	Anthracene	380		190	4.7
1912-24-9	Atrazine	ND	*	190	8.3
100-52-7	Benzaldehyde	ND		190	20
56-55-3	Benzo(a)anthracene	1300		190	3.2
50-32-8	Benzo(a)pyrene	1300		190	4.5
205-99-2	Benzo(b)fluoranthene	1400		190	3.6
191-24-2	Benzo(g,h,i)perylene	640		190	2.2
207-08-9	Benzo(k)fluoranthene	760		190	2.0

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Buffalo | Job No.: 480-18068-1

SDG No.:

Client Sample ID: DUP-03 | Lab Sample ID: 480-18068-16

Matrix: Solid | Lab File ID: X5102.D

Analysis Method: 8270C | Date Collected: 04/03/2012 10:30

Extract. Method: 3550B | Date Extracted: 04/05/2012 10:44

Sample wt/vol: +30.87(g) | Date Analyzed: 04/09/2012 22:12

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

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

% Moisture: 11.5 | GPC Cleanup:(Y/N) N

Analysis Batch No.: 58786 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
92-52-4	Biphenyl	13	J	190	12
108-60-1	bis (2-chloroisopropyl) ether	ND		190	19
111-91-1	Bis(2-chloroethoxy)methane	ND		190	10
111-44-4	Bis(2-chloroethyl)ether	ND		190	16
117-81-7	Bis(2-ethylhexyl) phthalate	73	J	190	60
85-68-7	Butyl benzyl phthalate	ND		190	50
105-60-2	Caprolactam	ND		190	80
86-74-8	Carbazole	140	J	190	2.1
218-01-9	Chrysene	1300		190	1.9
53-70-3	Dibenz(a,h)anthracene	220		190	2.2
132-64-9	Dibenzofuran	60	J	190	1.9
84-66-2	Diethyl phthalate	ND		190	5.6
131-11-3	Dimethyl phthalate	ND		190	4.8
84-74-2	Di-n-butyl phthalate	ND		190	64
117-84-0	Di-n-octyl phthalate	ND		190	4.3
206-44-0	Fluoranthene	2400		190	2.7
86-73-7	Fluorene	110	J	190	4.3
118-74-1	Hexachlorobenzene	ND		190	9.2
87-68-3	Hexachlorobutadiene	ND		190	9.5
77-47-4	Hexachlorocyclopentadiene	ND		190	56
67-72-1	Hexachloroethane	ND		190	14
193-39-5	Indeno(1,2,3-cd)pyrene	650		190	5.1
78-59-1	Isophorone	ND		190	9.3
91-20-3	Naphthalene	52	J	190	3.1
98-95-3	Nitrobenzene	ND		190	8.2
621-64-7	N-Nitrosodi-n-propylamine	ND		190	15
86-30-6	N-Nitrosodiphenylamine	ND		190	10
87-86-5	Pentachlorophenol	ND		360	64
85-01-8	Phenanthrene	1300		190	3.9
108-95-2	Phenol	ND		190	20
129-00-0	Pyrene	2100		190	1.2

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Buffalo | Job No.: 480-18068-1

SDG No.:

Client Sample ID: DUP-03 | Lab Sample ID: 480-18068-16

Matrix: Solid | Lab File ID: X5102.D

Analysis Method: 8270C | Date Collected: 04/03/2012 10:30

Extract. Method: 3550B | Date Extracted: 04/05/2012 10:44

Sample wt/vol: +30.87(g) | Date Analyzed: 04/09/2012 22:12

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

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

% Moisture: 11.5 | GPC Cleanup:(Y/N) N

Analysis Batch No.: 58786 | Units: ug/Kg

CAS NO.	SURROGATE	%REC	Q	LIMITS
118-79-6	2,4,6-Tribromophenol	94		39-146
321-60-8	2-Fluorobiphenyl	79		37-120
367-12-4	2-Fluorophenol	64		18-120
4165-60-0	Nitrobenzene-d5	77		34-132
4165-62-2	Phenol-d5	71		11-120
1718-51-0	p-Terphenyl-d14	92		65-153

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

Lab Name: TestAmerica Buffalo | Job No.: 480-18068-1

SDG No.:

Client Sample ID: DUP-03 | Lab Sample ID: 480-18068-16

Matrix: Solid | Lab File ID: X5102.D

Analysis Method: 8270C | Date Collected: 04/03/2012 10:30

Extract. Method: 3550B | Date Extracted: 04/05/2012 10:44

Sample wt/vol: +30.87(g) | Date Analyzed: 04/09/2012 22:12

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

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

% Moisture: 11.5 | GPC Cleanup:(Y/N) N

Analysis Batch No.: 58786 | Units: ug/Kg

Number TICs Found: 11 | TIC Result Total: 4990

CAS NO.	COMPOUND NAME	RT	RESULT	Q
	Unknown	2.33	2300	T J
949-41-7	1H-Cyclopropa[l]phenanthrene,1a,9b-dihyd	11.73	380	T J N
5737-13-3	Cyclopenta(def)phenanthrenone	12.30	340	T J N
2381-21-7	Pyrene, 1-methyl-	12.77	150	T J N
	Unknown	12.95	180	T J
	Unknown	13.06	160	T J
82-5-3	7H-Benz[de]anthracen-7-one	13.31	180	T J N
239-35-0	Benzo[b]naphtho[2,1-d]thiophene	13.40	160	T J N
82-5-3	7H-Benz[de]anthracen-7-one	13.49	170	T J N
1705-84-6	Triphenylene, 2-methyl-	13.97	170	T J N
207-8-9	Benzo[k]fluoranthene	14.78	800	T J N

TestAmerica Laboratories
Target Compound Quantitation Report

Data File:	\\Bufchrom\ChromData\HP5973X\20120409-10842.b\X5102.D		
Lims ID:	480-18068-A-16-A	Client ID:	DUP-03
Inject. Date:	09-Apr-2012 22:12:30	Dil. Factor:	1.0000
Sample Type:	Client		
Sample ID:	480-0010842-015		
Misc. Info.:			
Operator:	RMM	Instrument ID:	HP5973X
Vol. Injected:	1.0000	ALS Bottle#:	15
Lims Batch ID:	58786	Lims Sample ID:	15
Detector:	MS SCAN		
Method:	\\Bufchrom\ChromData\HP5973X\20120409-10842.b\X-8270.m		
Last Update:	10-Apr-2012 10:58:16	Calib Date:	09-Apr-2012 15:39:30
Quant Method:	Internal Standard	Quant By:	Initial Calibration
Last ICal File:	\\Bufchrom\ChromData\HP5973X\20120409-10830.b\X5085.D		
Limit Group:	MB - 8270C ICAL		
Integrator:	RTE	ID Type:	Deconvolution ID
Process Host:	CORP-CTX-19		
First Level Reviewer: mckernar		Date:	10-Apr-2012 10:58:15

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ng/uL	Flags
* 1 1,4-Dichlorobenzene-d4	152	6.045	6.040	0.005	97	132558	40.0	
* 2 Naphthalene-d8	136	7.541	7.536	0.005	93	455674	40.0	
* 3 Acenaphthene-d10	164	9.603	9.603	0.0	54	259106	40.0	
* 4 Phenanthrene-d10	188	11.211	11.211	0.0	99	447726	40.0	
* 5 Chrysene-d12	240	13.626	13.620	0.006	100	403373	40.0	
* 6 Perylene-d12	264	14.881	14.865	0.016	99	523504	40.0	
$ 7 2-Fluorophenol	112	4.480	4.475	0.005	96	505249	96.3	
$ 8 Phenol-d5	99	5.607	5.602	0.005	78	661400	106.2	
$ 9 Nitrobenzene-d5	82	6.697	6.697	0.0	96	397034	76.8	
$ 10 2-Fluorobiphenyl	172	8.823	8.823	0.0	99	664590	79.3	
$ 11 2,4,6-Tribromophenol	330	10.495	10.501	-0.006	69	134022	140.6	
$ 12 p-Terphenyl-d14	244	12.712	12.707	0.005	97	786295	92.2	
62 Benzaldehyde	77	5.532	5.532	0.0	17	1004	0.2443	
63 Phenol	94	5.623	5.618	0.005	1	906	0.1430	
66 Bis(2-chloroethyl)ether	93		5.735					
67 2-Chlorophenol	128		5.789					
73 2-Methylphenol	108		6.339					
74 2,2'-oxybis[1-chloropropane]	45		6.376					
76 Acetophenone	105		6.515					
79 4-Methylphenol	108	6.526	6.526	0.0	1	805	0.1904	
78 N-Nitrosodi-n-propylamine	70		6.531					
81 Hexachloroethane	117		6.633					
83 Nitrobenzene	77		6.724					
86 Isophorone	82		7.012					
87 2-Nitrophenol	139		7.098					
89 2,4-Dimethylphenol	107		7.162					
94 Bis(2-chloroethoxy)methane	93		7.279					
97 2,4-Dichlorophenol	162		7.381					
99 Naphthalene	128	7.568	7.573	-0.005	75	15856	1.42	
101 4-Chloroaniline	127		7.648					
104 Hexachlorobutadiene	225		7.723					

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ng/uL	Flags
105 Caprolactam	113		8.038					
110 4-Chloro-3-methylphenol	107		8.214					
113 2-Methylnaphthalene	142	8.380	8.385	-0.005	47	6694	0.9712	
116 Hexachlorocyclopentadiene	237		8.567					
118 2,4,6-Trichlorophenol	196		8.716					
119 2,4,5-Trichlorophenol	196		8.754					
123 1,1'-Biphenyl	154	8.930	8.930	0.0	7	3305	0.3604	
124 2-Chloronaphthalene	162		8.951					
125 2-Nitroaniline	65		9.090					
128 Dimethyl phthalate	163		9.320					
130 2,6-Dinitrotoluene	165		9.384					
131 Acenaphthylene	152	9.432	9.443	-0.011	93	36307	3.20	
132 3-Nitroaniline	138		9.582					
133 Acenaphthene	153	9.640	9.646	-0.006	93	18134	2.64	
134 2,4-Dinitrophenol	184		9.699					
135 4-Nitrophenol	109		9.785					
138 Dibenzofuran	168	9.843	9.849	-0.006	82	16317	1.64	
137 2,4-Dinitrotoluene	165		9.854					
142 Diethyl phthalate	149		10.143					
144 Fluorene	166	10.228	10.239	-0.011	92	24076	2.95	
145 4-Chlorophenyl phenyl ether	204		10.250					
147 4-Nitroaniline	138		10.282					
148 4,6-Dinitro-2-methylphenol	198		10.308					
149 N-Nitrosodiphenylamine	169		10.383					
159 4-Bromophenyl phenyl ether	248		10.773					
160 Hexachlorobenzene	284		10.821					
163 Atrazine	200		10.955					
165 Pentachlorophenol	266		11.030					
171 Phenanthrene	178	11.238	11.238	0.0	99	398550	36.5	
172 Anthracene	178	11.286	11.291	-0.005	99	113679	10.3	
173 Carbazole	167	11.451	11.457	-0.006	96	40127	3.75	
176 Di-n-butyl phthalate	149	11.799	11.804	-0.005	80	8287	0.6430	
182 Fluoranthene	202	12.365	12.360	0.005	98	833074	64.4	
185 Pyrene	202	12.568	12.568	0.0	98	719483	56.4	
192 Butyl benzyl phthalate	149		13.134					
196 3,3'-Dichlorobenzidine	252		13.594					
197 Benzo[a]anthracene	228	13.615	13.615	0.0	67	437013	36.3	
198 Bis(2-ethylhexyl) phthalate	149	13.626	13.626	0.0	43	14822	1.99	
199 Chrysene	228	13.652	13.647	0.005	98	430264	35.6	
201 Di-n-octyl phthalate	149		14.165					
203 Benzo[b]fluoranthene	252	14.534	14.523	0.011	99	534600	38.2	
204 Benzo[k]fluoranthene	252	14.555	14.550	0.005	97	307796	20.8	M
206 Benzo[a]pyrene	252	14.828	14.823	0.005	99	424607	34.3	
208 Indeno[1,2,3-cd]pyrene	276	15.955	15.944	0.011	91	245180	17.8	
209 Dibenz(a,h)anthracene	278	15.955	15.955	0.0	32	72164	5.90	
210 Benzo[g,h,i]perylene	276	16.259	16.254	0.005	98	203751	17.5	

QC Flag Legend

Review Flags
M - Manually Integrated

TestAmerica Laboratories
Tentatively Identified Quantitation Report

Data File:	\\Bufchrom\ChromData\HP5973X\20120409-10842.b\X5102.D		
Lims ID:	480-18068-A-16-A	Client ID:	DUP-03
Inject. Date:	09-Apr-2012 22:12:30	Dil. Factor:	1.0000
Sample Type:	Client		
Sample ID:	480-0010842-015		
Misc. Info.:			
Operator:	RMM	Instrument ID:	HP5973X
Vol. Injected:	1.0000	ALS Bottle#:	15
Lims Batch ID:	58786	Lims Sample ID:	15
Detector:	MS SCAN		
Method:	\\Bufchrom\ChromData\HP5973X\20120409-10842.b\X-8270.m		
Last Update:	10-Apr-2012 10:58:16	Calib Date:	09-Apr-2012 15:39:30
Tic RT Window:	1.500 -0.000	Response:	area
Quant By:	Nearest ISTD	Quant LOD:	10.00000
MS Library:	\\Bufchrom\ChromData\Database\NIST98.L		
Min. Match:	85		
Process Host:	CORP-CTX-19		
First Level Reviewer: mckernar		Date:	10-Apr-2012 10:58:15

Calibrated Tentative Identified Compound Results

Compound	RT	Response	Amount ng/uL	Flags
1-Methylnaphthalene (TIC)	8.492	6421	0.99	
Anthraquinone	12.007	17589		
7,12-Dimethylbenz(a)anthracene	14.336	29564		

Tentative Identified Compound Results

RT	Response	Amount ng/uL	Quant Cpnd	Qual	Lib Entry	Flags
		Unknown				
2.327	1396802	63.7	1			
	949-41-7	1H-Cyclopropa[l]phenanthrene,1a,9b-dihyd				
11.729	289599	10.3	4	97	81038	
	5737-13-3	Cyclopenta(def)phenanthrenone				
12.296	258847	9.18	4	90	84069	
	2381-21-7	Pyrene, 1-methyl-				
12.766	274544	4.17	5	96	86803	
		Unknown				
12.947	327264	4.97	5			
		Unknown				
13.059	295282	4.49	5			
	82-5-3	7H-Benz[de]anthracen-7-one				
13.305	326718	4.97	5	96	127136	
	239-35-0	Benzo[b]naphtho[2,1-d]thiophene				
13.401	283667	4.31	5	92	90383	
	82-5-3	7H-Benz[de]anthracen-7-one				
13.487	300013	4.56	5	91	127136	

RT	Response	Amount ng/uL	Quant Cpnd	Qual	Lib Entry	Flags
	1705-84-6	Triphenylene, 2-methyl-				
13.968	302621	4.60	5	96	91731	
	207-8-9	Benzo[k]fluoranthene				
14.780	807948	21.8	6	98	93384	

Quantitation Compounds

Compound	RT	Response	Amount ng/uL
* 1 1,4-Dichlorobenzene-d4	6.045	876615	40.0
* 4 Phenanthrene-d10	11.211	1128340	40.0
* 5 Chrysene-d12	13.626	2631296	40.0
* 6 Perylene-d12	14.881	1481831	40.0

QC Flag Legend

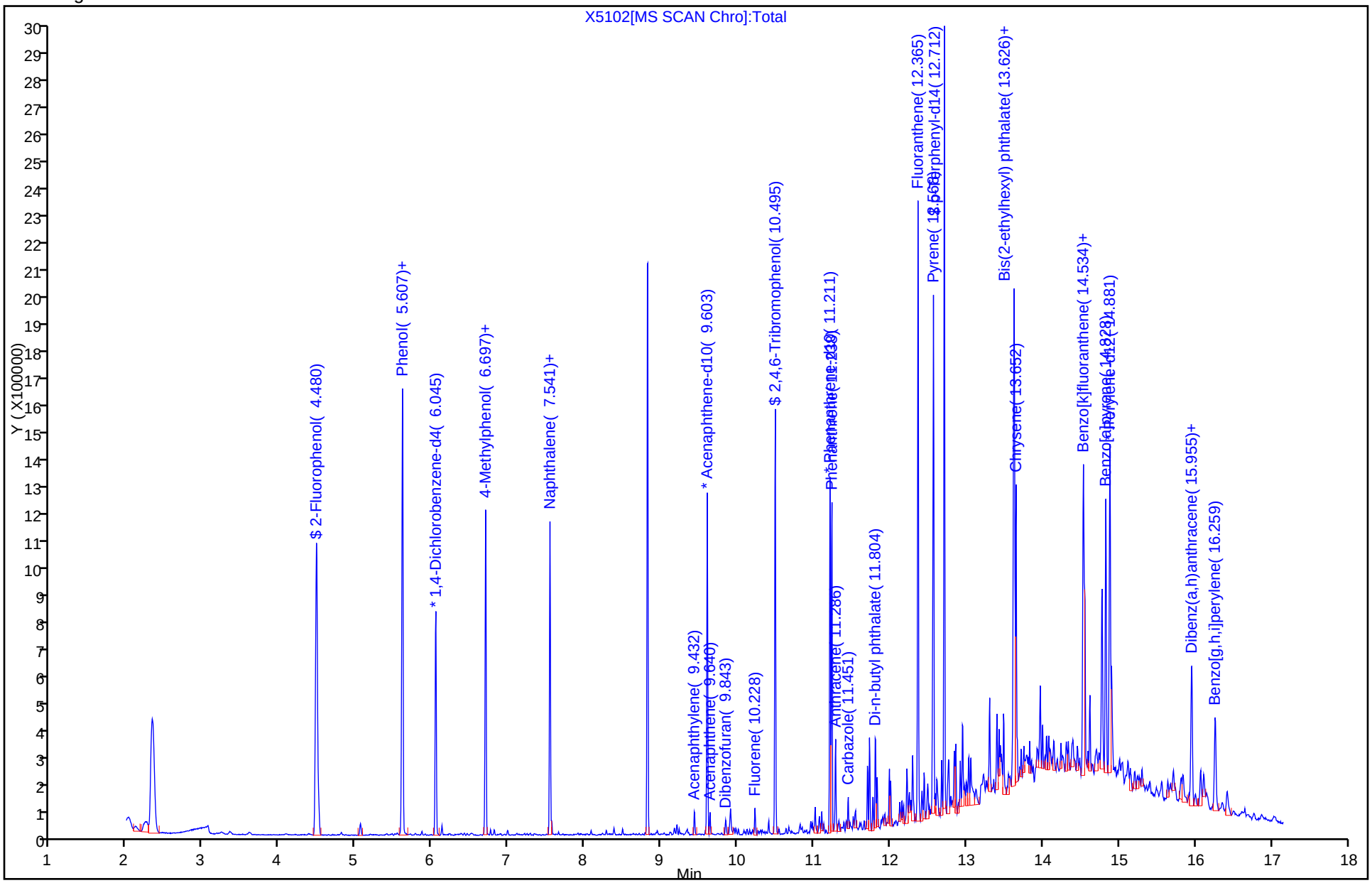
Processing Flags

Report Date: 10-Apr-2012 10:58:16 Chrom Revision: 2.0 20-Feb-2012 13:27:02

Data File: \\Bufchrom\ChromData\HP5973X\20120409-10842.b\X5102.D

Injection Date:	09-Apr-2012 22:12:30	Limit Group:	MB - 8270C ICAL
Client ID:	DUP-03	Instrument ID:	HP5973X
Lims Batch ID:	58786	Lims Sample ID:	15
Operator ID:	RMM	Injection Vol:	1.00 ul
Column Type:	RXI-5Sil MS	Column Dia:	0.25 mm

Y Scaling:

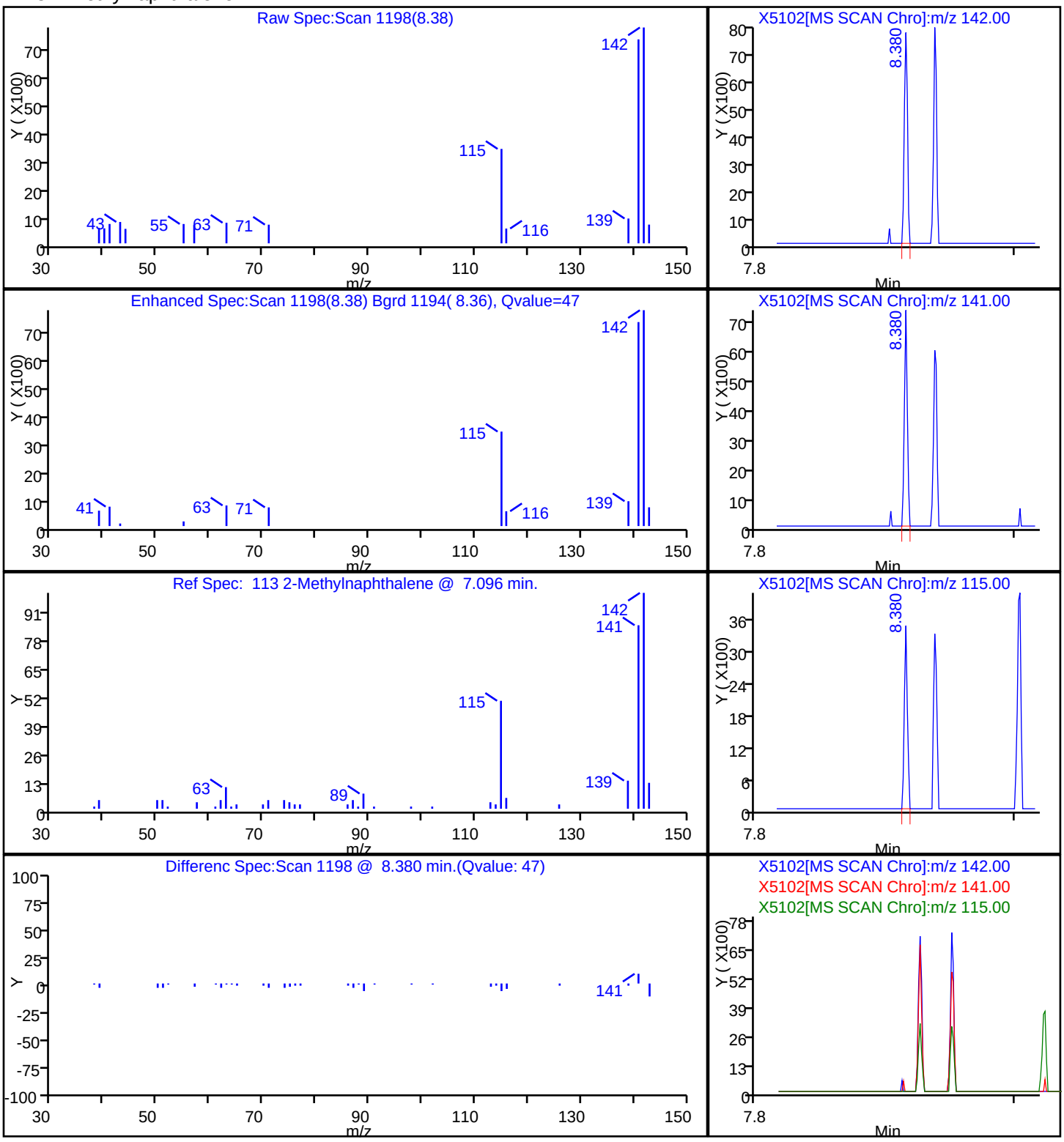


Report Date: 10-Apr-2012 10:58:16 Chrom Revision: 2.0 20-Feb-2012 13:27:02

Data File: \\Bufchrom\ChromData\HP5973X\20120409-10842.b\X5102.D

Injection Date:	09-Apr-2012 22:12:30	Limit Group:	MB - 8270C ICAL
Client ID:	DUP-03	Instrument ID:	HP5973X
Lims Batch ID:	58786	Lims Sample ID:	15
Operator ID:	RMM	Injection Vol:	1.00 ul
Column Type:	RXI-5Sil MS	Column Dia:	0.25 mm

113 2-Methylnaphthalene

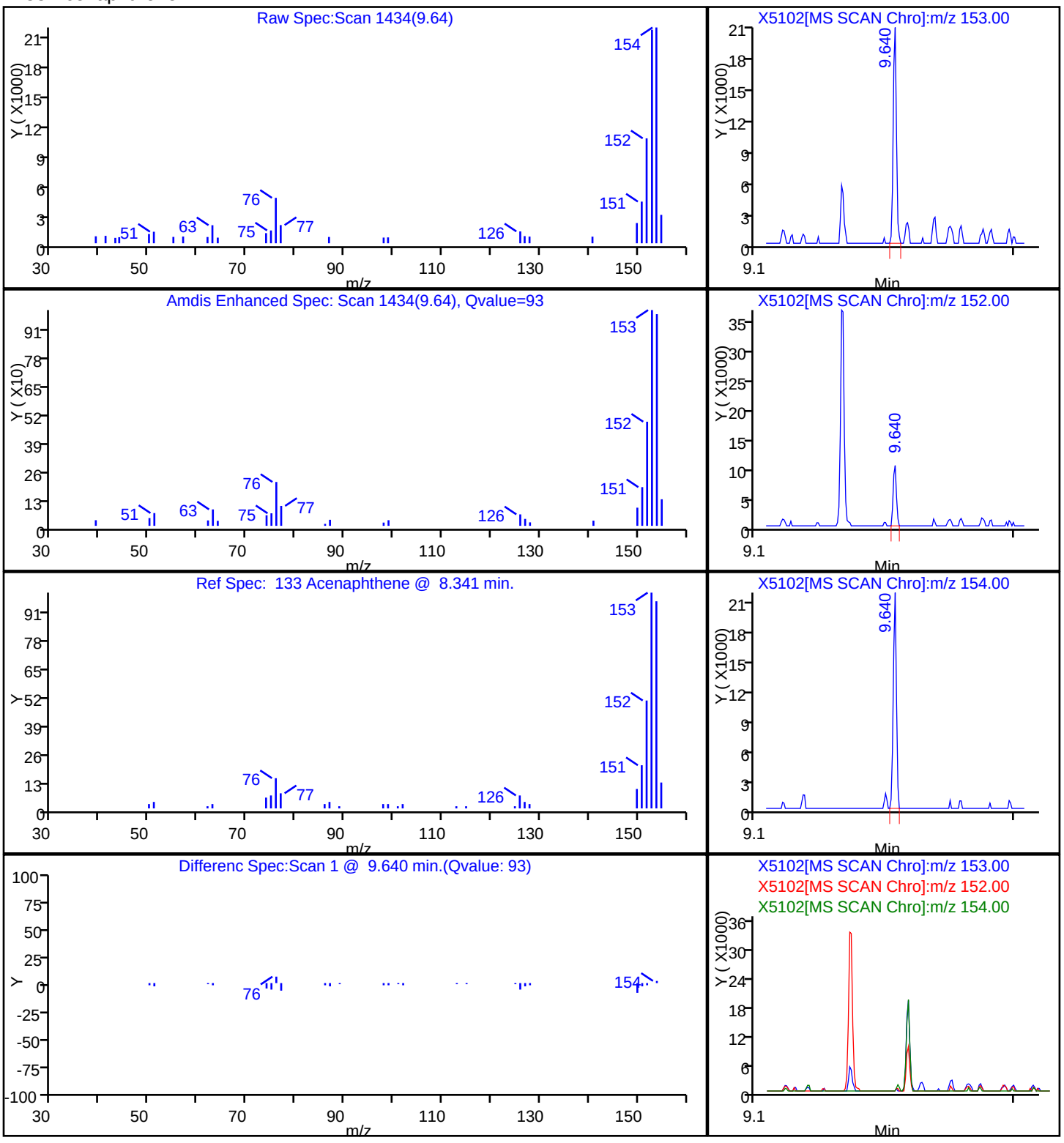


Report Date: 10-Apr-2012 10:58:16 Chrom Revision: 2.0 20-Feb-2012 13:27:02

Data File: \\Bufchrom\ChromData\HP5973X\20120409-10842.b\X5102.D

Injection Date:	09-Apr-2012 22:12:30	Limit Group:	MB - 8270C ICAL
Client ID:	DUP-03	Instrument ID:	HP5973X
Lims Batch ID:	58786	Lims Sample ID:	15
Operator ID:	RMM	Injection Vol:	1.00 ul
Column Type:	RXI-5Sil MS	Column Dia:	0.25 mm

133 Acenaphthene

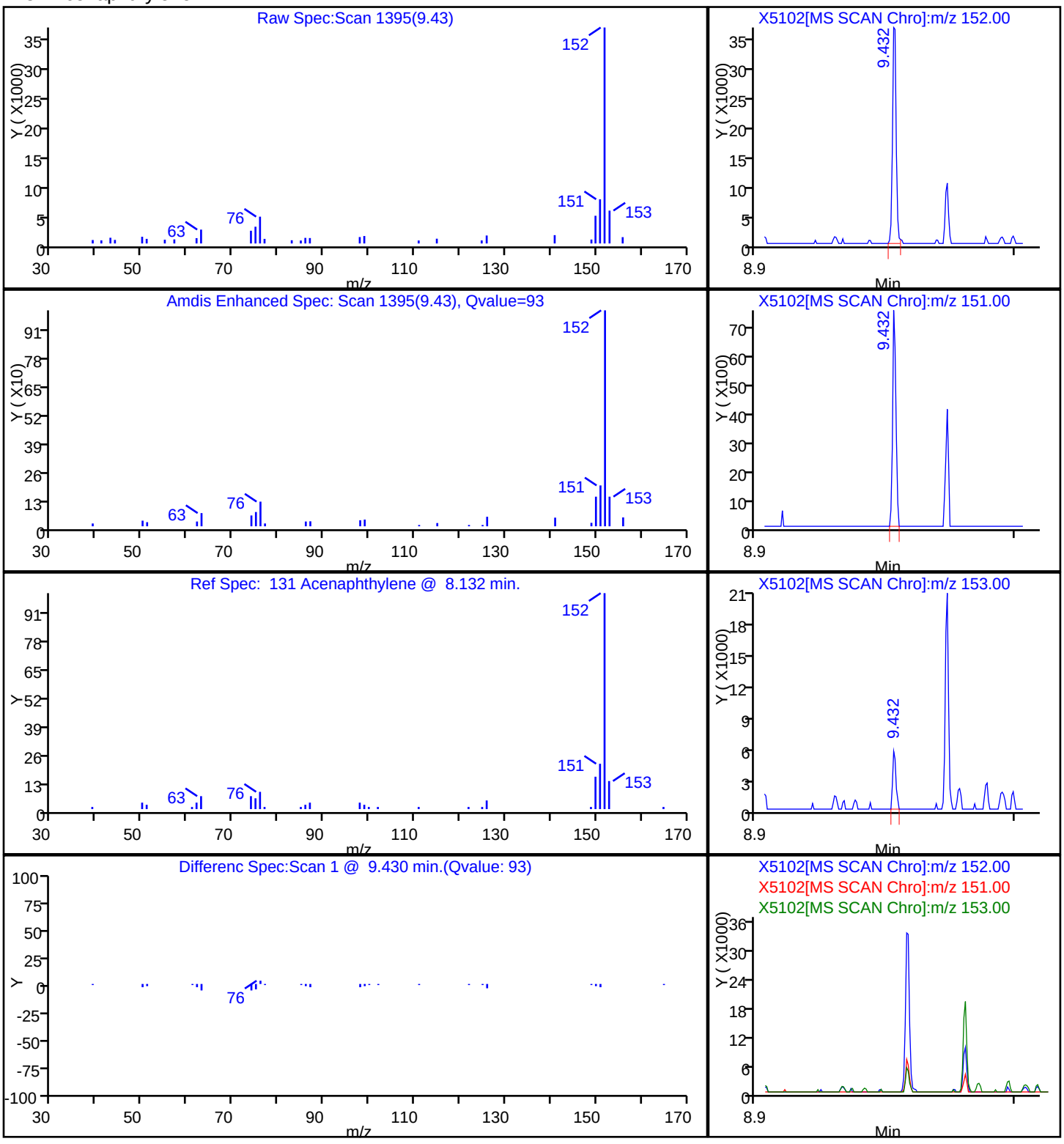


Report Date: 10-Apr-2012 10:58:16 Chrom Revision: 2.0 20-Feb-2012 13:27:02

Data File: \\Bufchrom\ChromData\HP5973X\20120409-10842.b\X5102.D

Injection Date:	09-Apr-2012 22:12:30	Limit Group:	MB - 8270C ICAL
Client ID:	DUP-03	Instrument ID:	HP5973X
Lims Batch ID:	58786	Lims Sample ID:	15
Operator ID:	RMM	Injection Vol:	1.00 ul
Column Type:	RXI-5Sil MS	Column Dia:	0.25 mm

131 Acenaphthylene

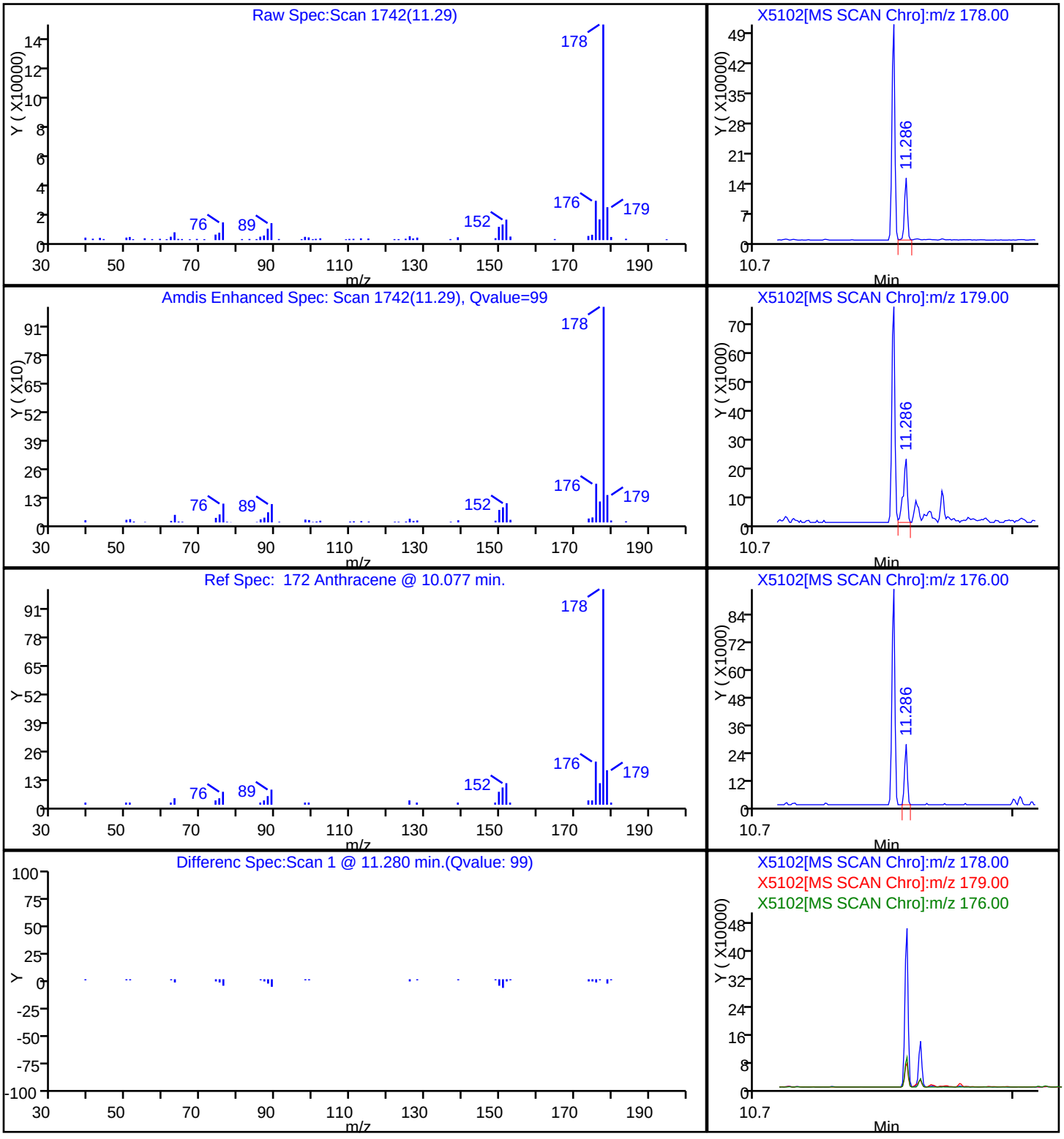


Report Date: 10-Apr-2012 10:58:16 Chrom Revision: 2.0 20-Feb-2012 13:27:02

Data File: \\Bufchrom\ChromData\HP5973X\20120409-10842.b\X5102.D

Injection Date:	09-Apr-2012 22:12:30	Limit Group:	MB - 8270C ICAL
Client ID:	DUP-03	Instrument ID:	HP5973X
Lims Batch ID:	58786	Lims Sample ID:	15
Operator ID:	RMM	Injection Vol:	1.00 ul
Column Type:	RXI-5Sil MS	Column Dia:	0.25 mm

172 Anthracene

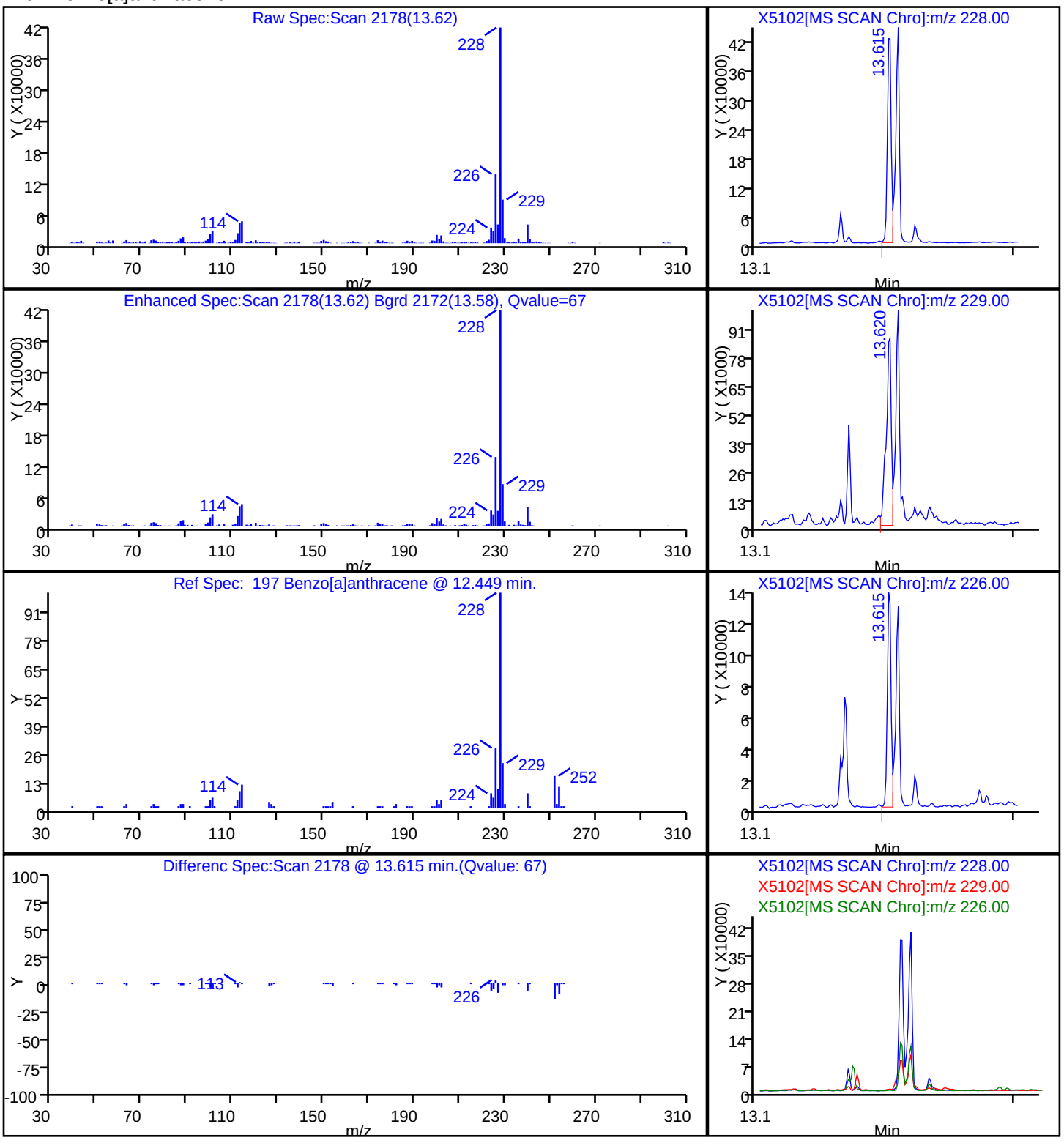


Report Date: 10-Apr-2012 10:58:16 Chrom Revision: 2.0 20-Feb-2012 13:27:02

Data File: \\Bufchrom\ChromData\HP5973X\20120409-10842.b\X5102.D

Injection Date:	09-Apr-2012 22:12:30	Limit Group:	MB - 8270C ICAL
Client ID:	DUP-03	Instrument ID:	HP5973X
Lims Batch ID:	58786	Lims Sample ID:	15
Operator ID:	RMM	Injection Vol:	1.00 ul
Column Type:	RXI-5Sil MS	Column Dia:	0.25 mm

197 Benzo[a]anthracene

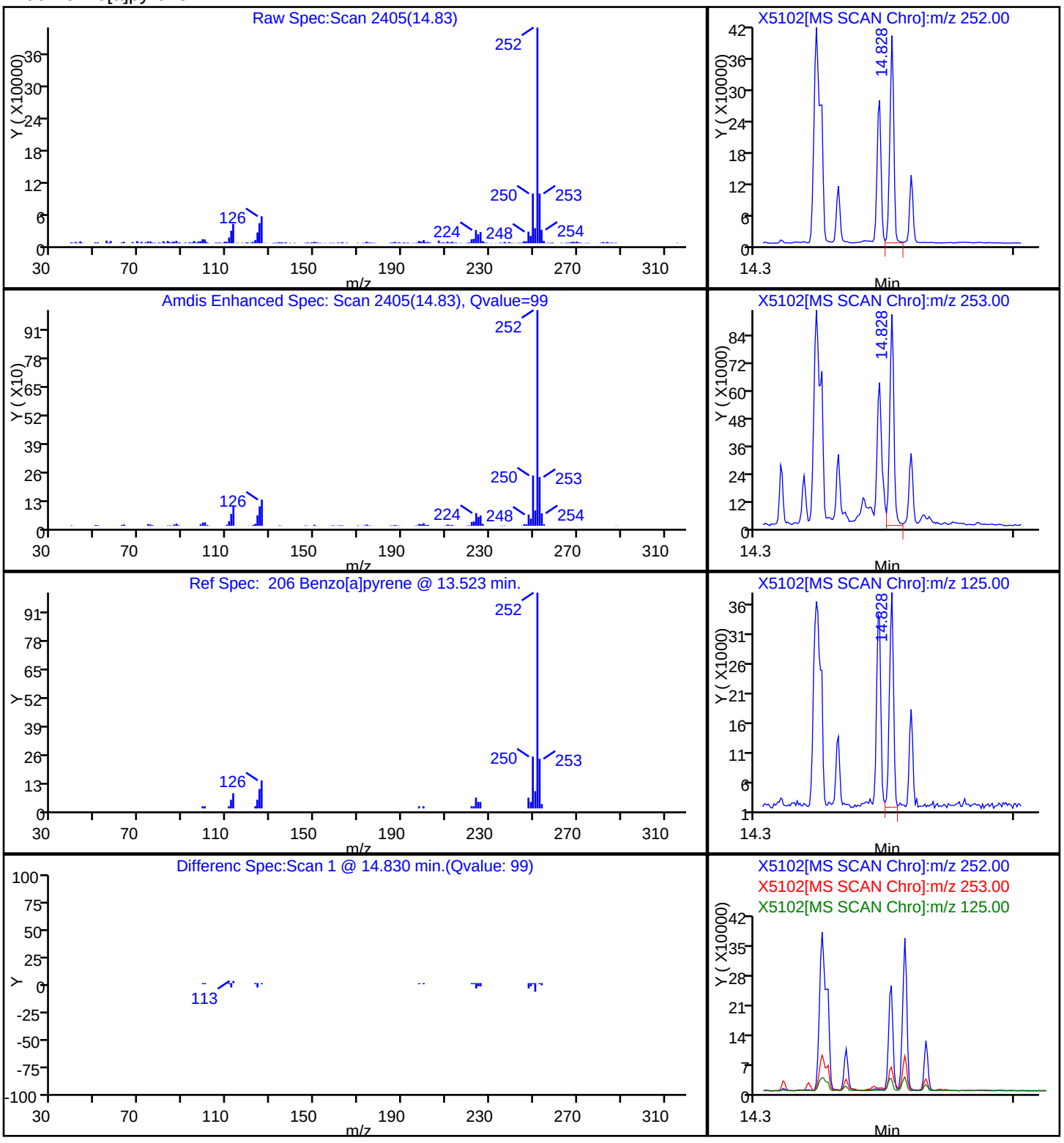


Report Date: 10-Apr-2012 10:58:16 Chrom Revision: 2.0 20-Feb-2012 13:27:02

Data File: \\Bufchrom\ChromData\HP5973X\20120409-10842.b\X5102.D

Injection Date:	09-Apr-2012 22:12:30	Limit Group:	MB - 8270C ICAL
Client ID:	DUP-03	Instrument ID:	HP5973X
Lims Batch ID:	58786	Lims Sample ID:	15
Operator ID:	RMM	Injection Vol:	1.00 ul
Column Type:	RXI-5Sil MS	Column Dia:	0.25 mm

206 Benzo[a]pyrene

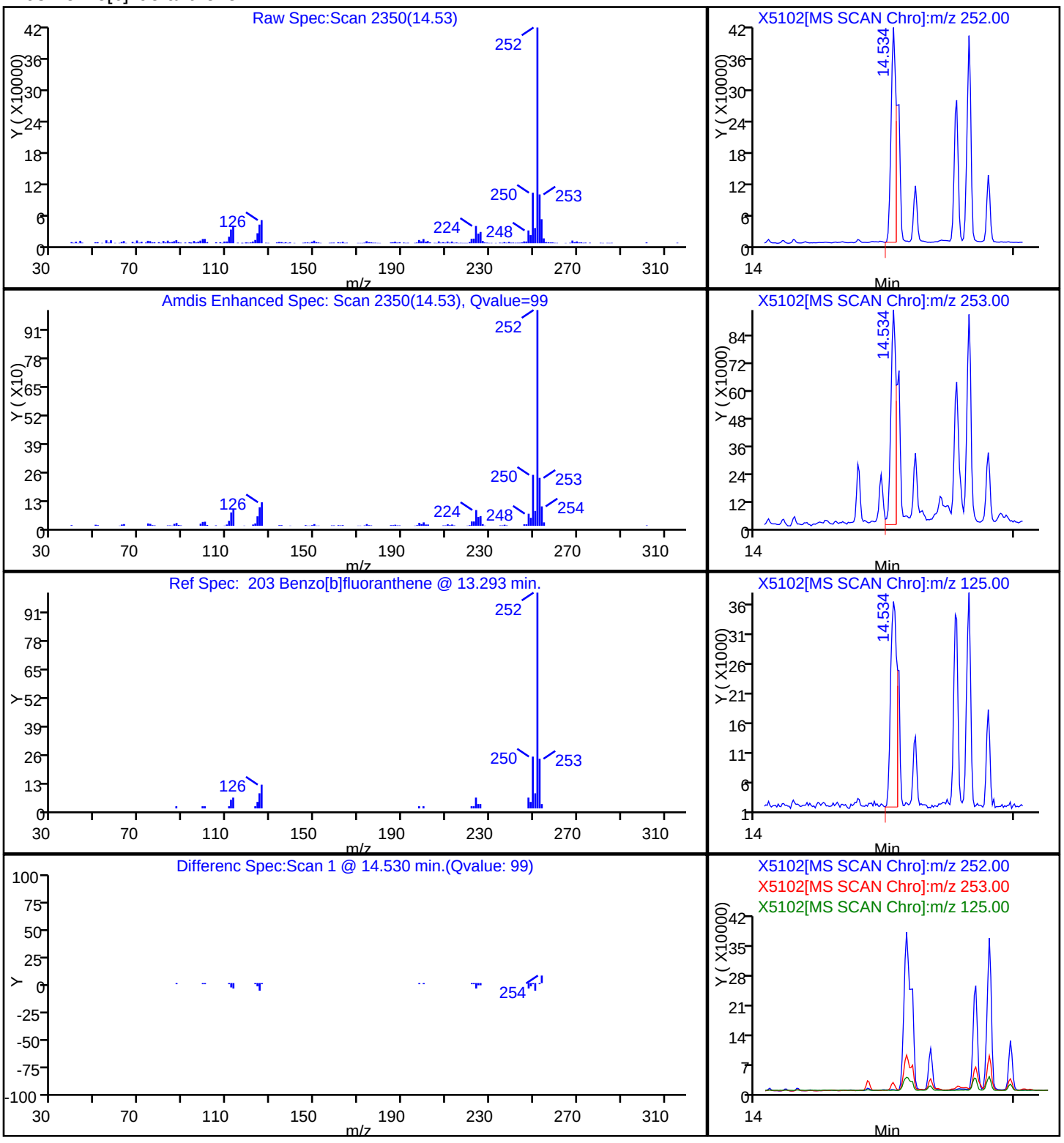


Report Date: 10-Apr-2012 10:58:16 Chrom Revision: 2.0 20-Feb-2012 13:27:02

Data File: \\Bufchrom\ChromData\HP5973X\20120409-10842.b\X5102.D

Injection Date:	09-Apr-2012 22:12:30	Limit Group:	MB - 8270C ICAL
Client ID:	DUP-03	Instrument ID:	HP5973X
Lims Batch ID:	58786	Lims Sample ID:	15
Operator ID:	RMM	Injection Vol:	1.00 ul
Column Type:	RXI-5Sil MS	Column Dia:	0.25 mm

203 Benzo[b]fluoranthene

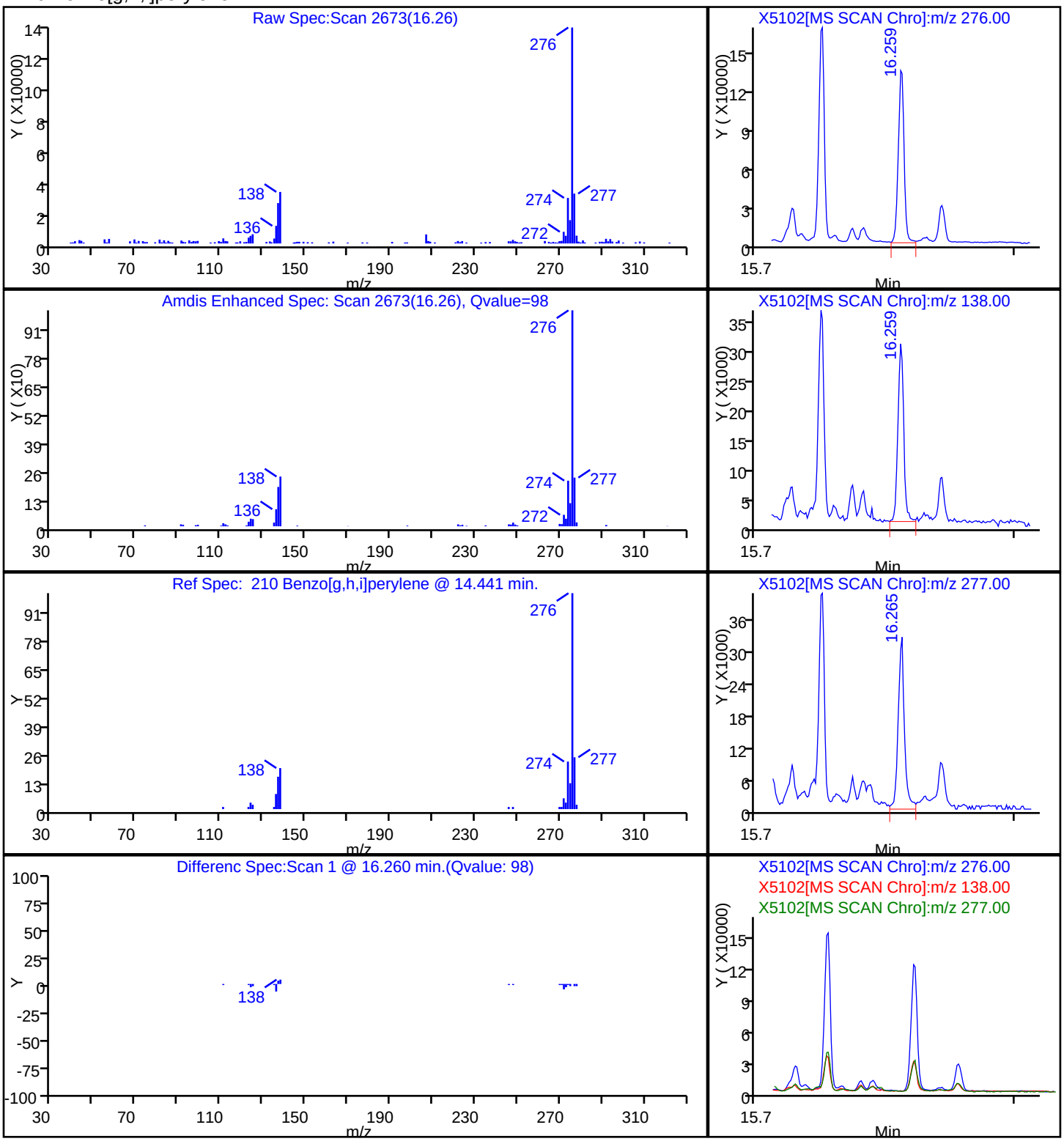


Report Date: 10-Apr-2012 10:58:16 Chrom Revision: 2.0 20-Feb-2012 13:27:02

Data File: \\Bufchrom\ChromData\HP5973X\20120409-10842.b\X5102.D

Injection Date:	09-Apr-2012 22:12:30	Limit Group:	MB - 8270C ICAL
Client ID:	DUP-03	Instrument ID:	HP5973X
Lims Batch ID:	58786	Lims Sample ID:	15
Operator ID:	RMM	Injection Vol:	1.00 ul
Column Type:	RXI-5Sil MS	Column Dia:	0.25 mm

210 Benzo[g,h,i]perylene

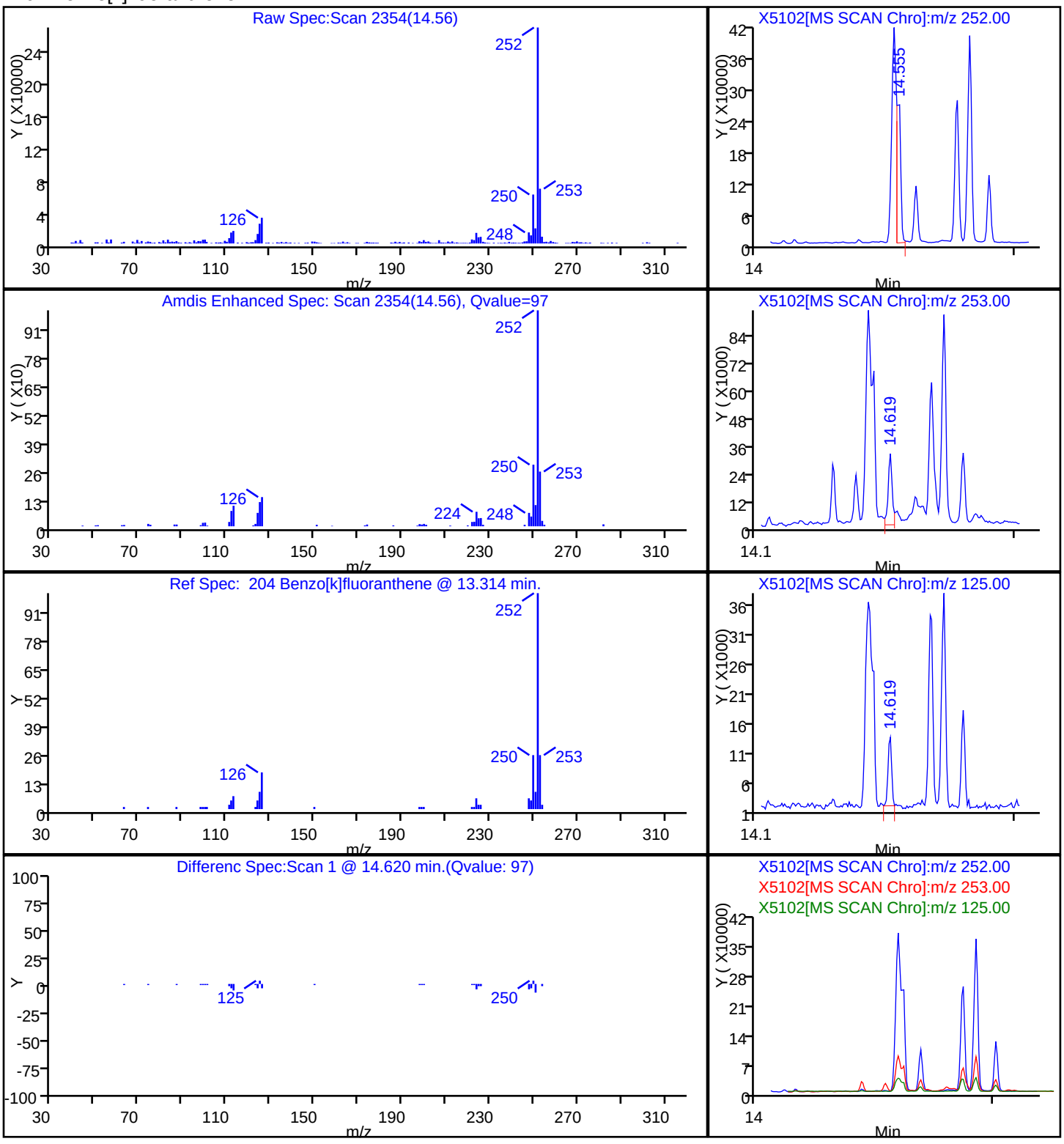


Report Date: 10-Apr-2012 10:58:16 Chrom Revision: 2.0 20-Feb-2012 13:27:02

Data File: \\Bufchrom\ChromData\HP5973X\20120409-10842.b\X5102.D

Injection Date:	09-Apr-2012 22:12:30	Limit Group:	MB - 8270C ICAL
Client ID:	DUP-03	Instrument ID:	HP5973X
Lims Batch ID:	58786	Lims Sample ID:	15
Operator ID:	RMM	Injection Vol:	1.00 ul
Column Type:	RXI-5Sil MS	Column Dia:	0.25 mm

204 Benzo[k]fluoranthene

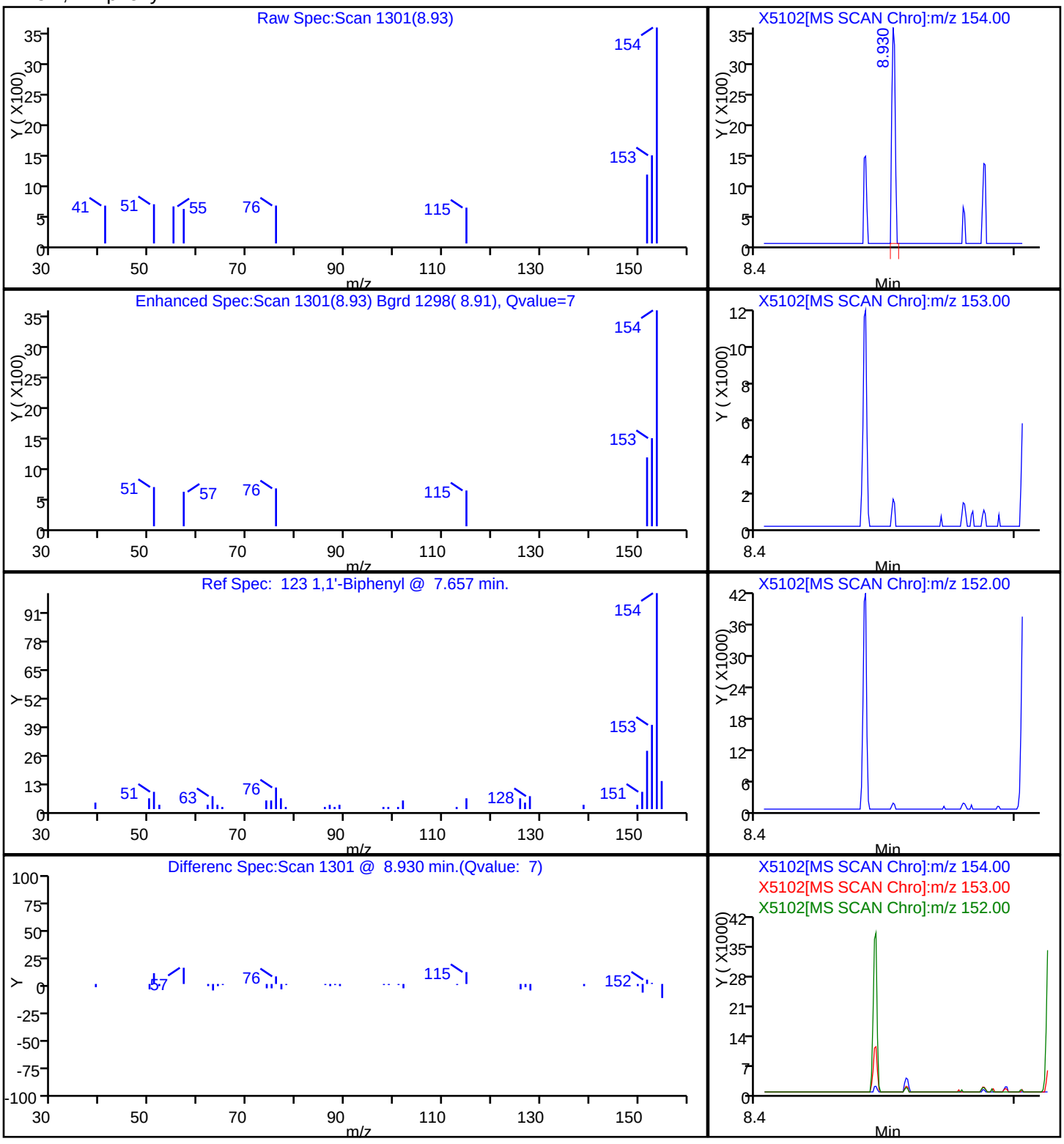


Report Date: 10-Apr-2012 10:58:16 Chrom Revision: 2.0 20-Feb-2012 13:27:02

Data File: \\Bufchrom\ChromData\HP5973X\20120409-10842.b\X5102.D

Injection Date:	09-Apr-2012 22:12:30	Limit Group:	MB - 8270C ICAL
Client ID:	DUP-03	Instrument ID:	HP5973X
Lims Batch ID:	58786	Lims Sample ID:	15
Operator ID:	RMM	Injection Vol:	1.00 ul
Column Type:	RXI-5Sil MS	Column Dia:	0.25 mm

123 1,1'-Biphenyl

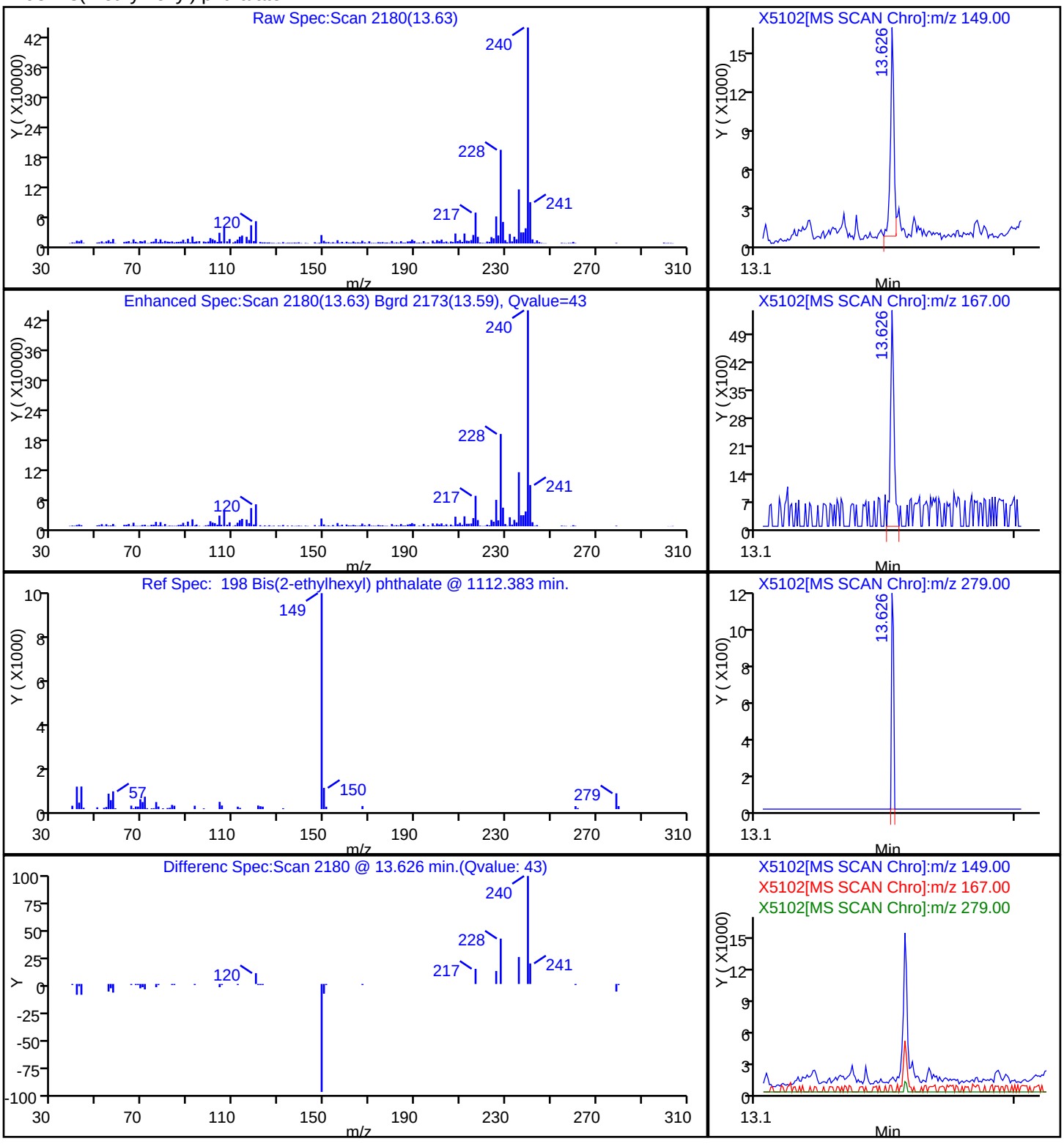


Report Date: 10-Apr-2012 10:58:16 Chrom Revision: 2.0 20-Feb-2012 13:27:02

Data File: \\Bufchrom\ChromData\HP5973X\20120409-10842.b\X5102.D

Injection Date:	09-Apr-2012 22:12:30	Limit Group:	MB - 8270C ICAL
Client ID:	DUP-03	Instrument ID:	HP5973X
Lims Batch ID:	58786	Lims Sample ID:	15
Operator ID:	RMM	Injection Vol:	1.00 ul
Column Type:	RXI-5Sil MS	Column Dia:	0.25 mm

198 Bis(2-ethylhexyl) phthalate

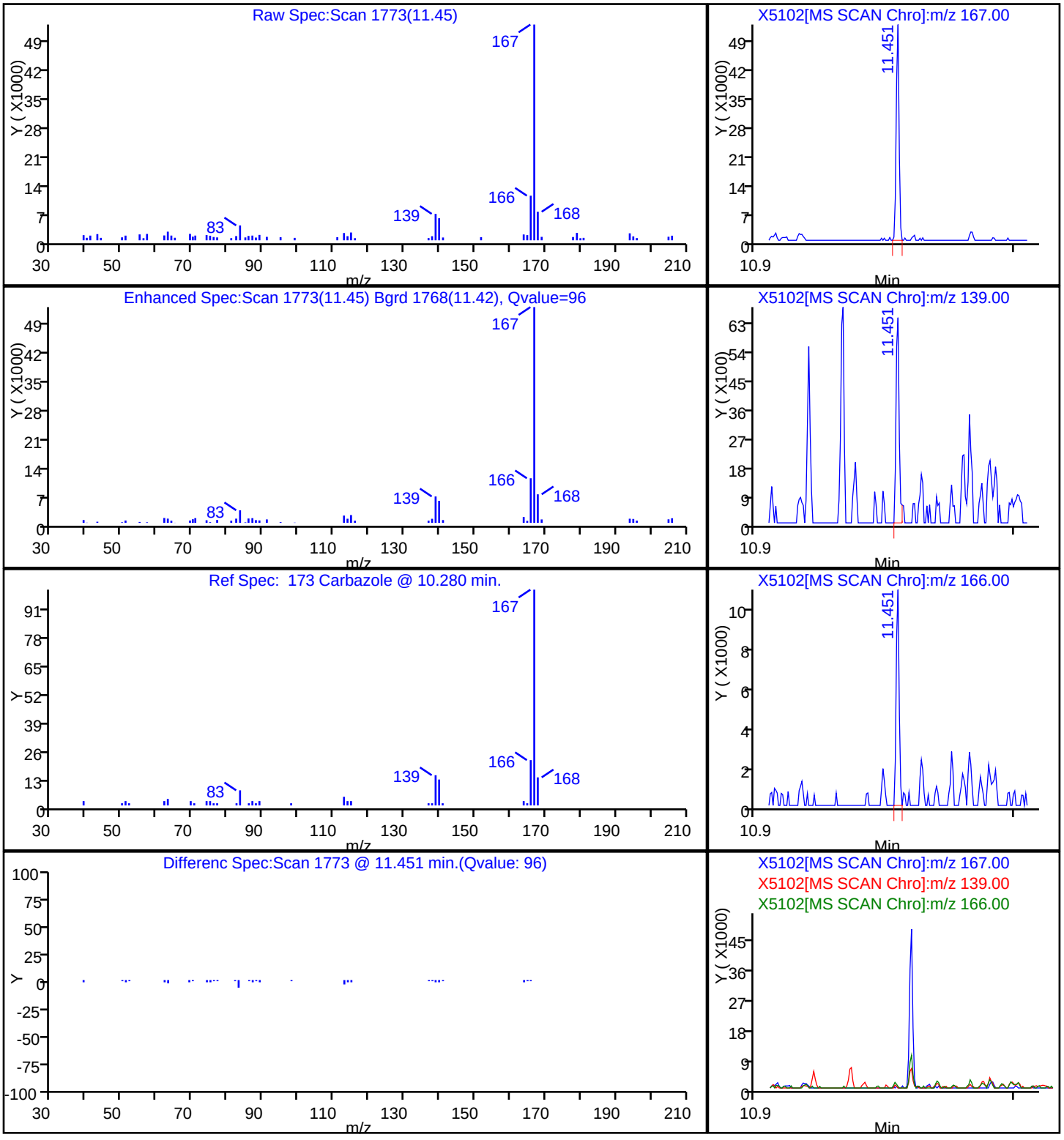


Report Date: 10-Apr-2012 10:58:16 Chrom Revision: 2.0 20-Feb-2012 13:27:02

Data File: \\Bufchrom\ChromData\HP5973X\20120409-10842.b\X5102.D

Injection Date:	09-Apr-2012 22:12:30	Limit Group:	MB - 8270C ICAL
Client ID:	DUP-03	Instrument ID:	HP5973X
Lims Batch ID:	58786	Lims Sample ID:	15
Operator ID:	RMM	Injection Vol:	1.00 ul
Column Type:	RXI-5Sil MS	Column Dia:	0.25 mm

173 Carbazole

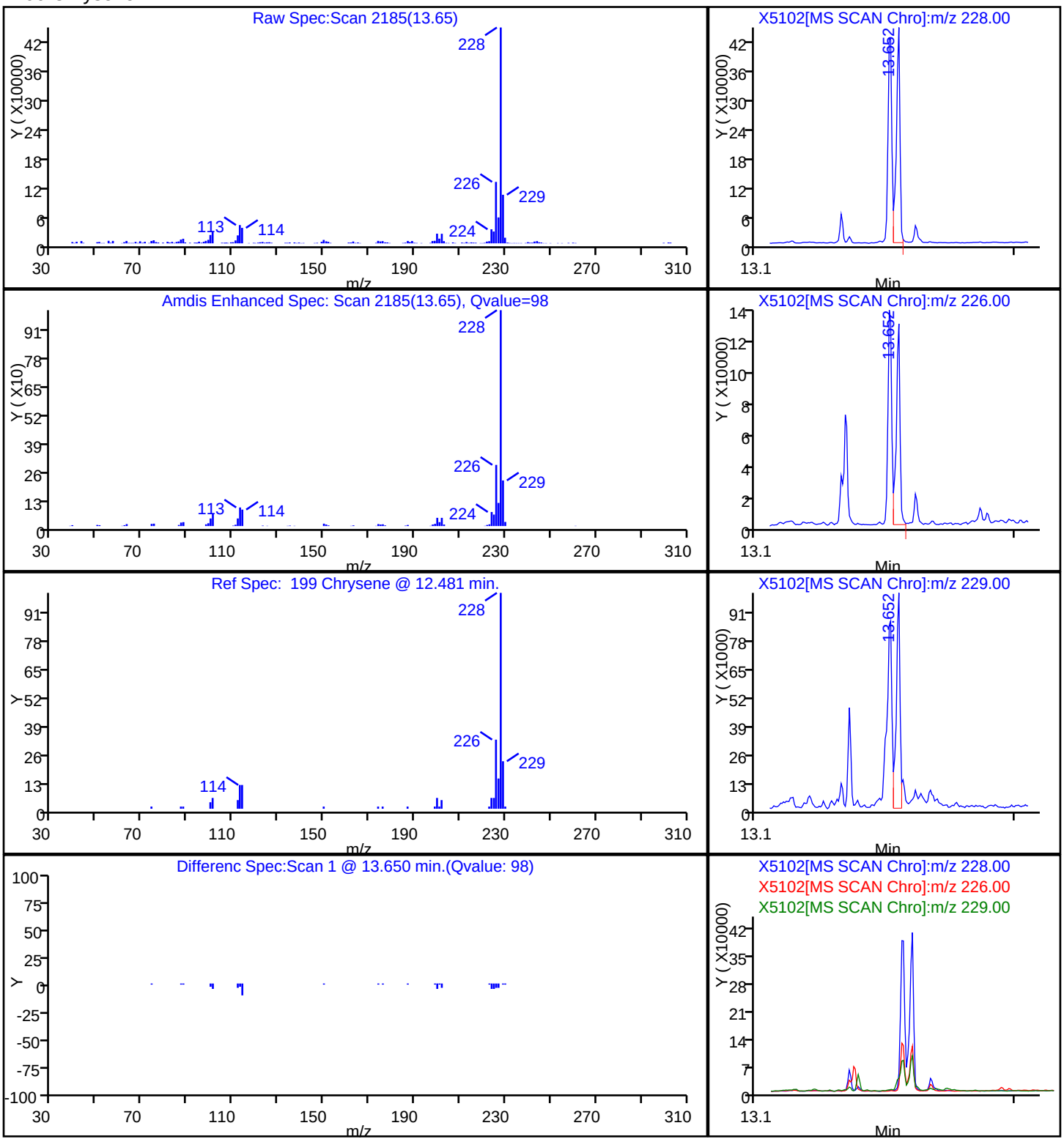


Report Date: 10-Apr-2012 10:58:16 Chrom Revision: 2.0 20-Feb-2012 13:27:02

Data File: \\Bufchrom\ChromData\HP5973X\20120409-10842.b\X5102.D

Injection Date:	09-Apr-2012 22:12:30	Limit Group:	MB - 8270C ICAL
Client ID:	DUP-03	Instrument ID:	HP5973X
Lims Batch ID:	58786	Lims Sample ID:	15
Operator ID:	RMM	Injection Vol:	1.00 ul
Column Type:	RXI-5Sil MS	Column Dia:	0.25 mm

199 Chrysene

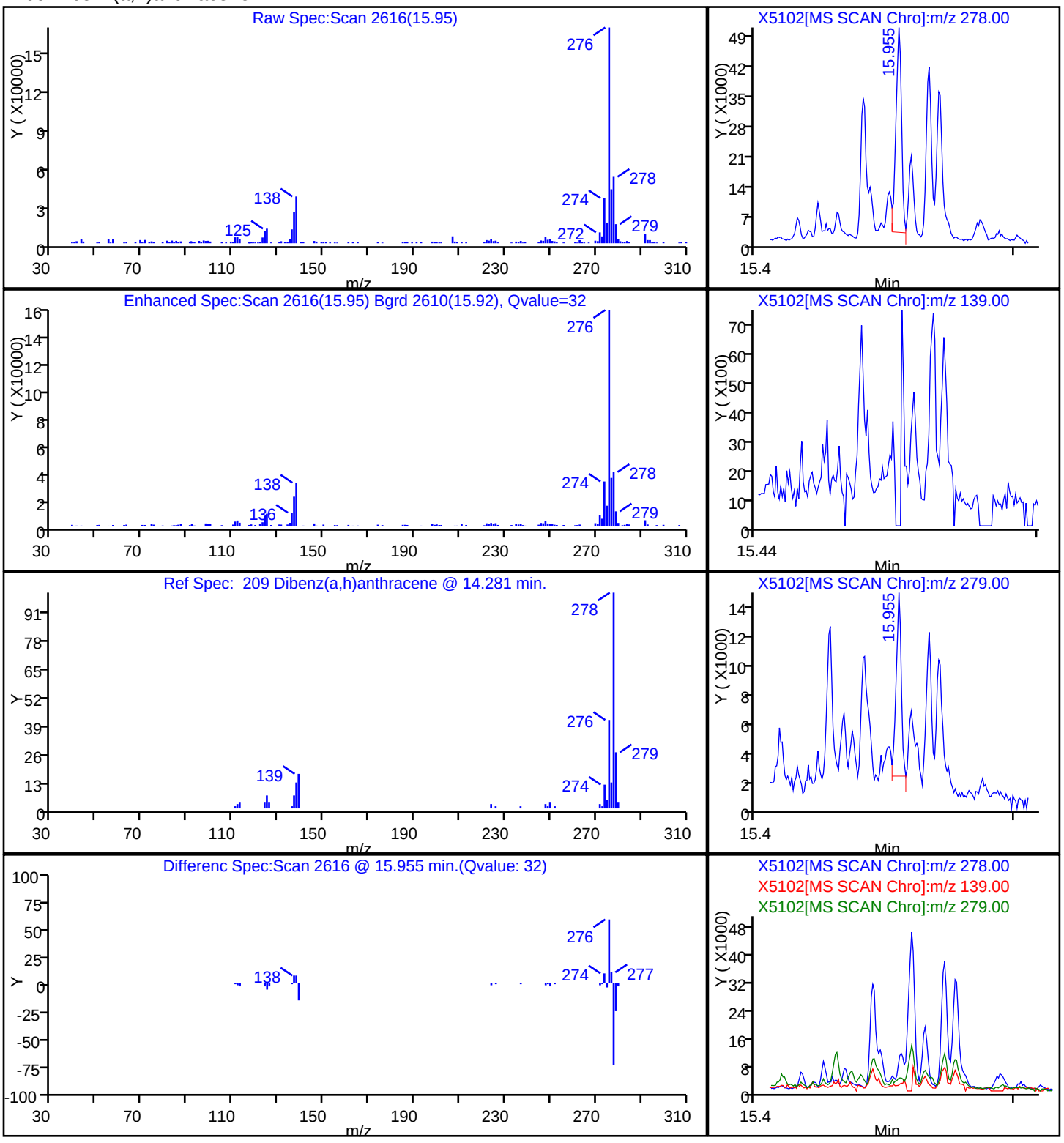


Report Date: 10-Apr-2012 10:58:16 Chrom Revision: 2.0 20-Feb-2012 13:27:02

Data File: \\Bufchrom\ChromData\HP5973X\20120409-10842.b\X5102.D

Injection Date:	09-Apr-2012 22:12:30	Limit Group:	MB - 8270C ICAL
Client ID:	DUP-03	Instrument ID:	HP5973X
Lims Batch ID:	58786	Lims Sample ID:	15
Operator ID:	RMM	Injection Vol:	1.00 ul
Column Type:	RXI-5Sil MS	Column Dia:	0.25 mm

209 Dibenz(a,h)anthracene

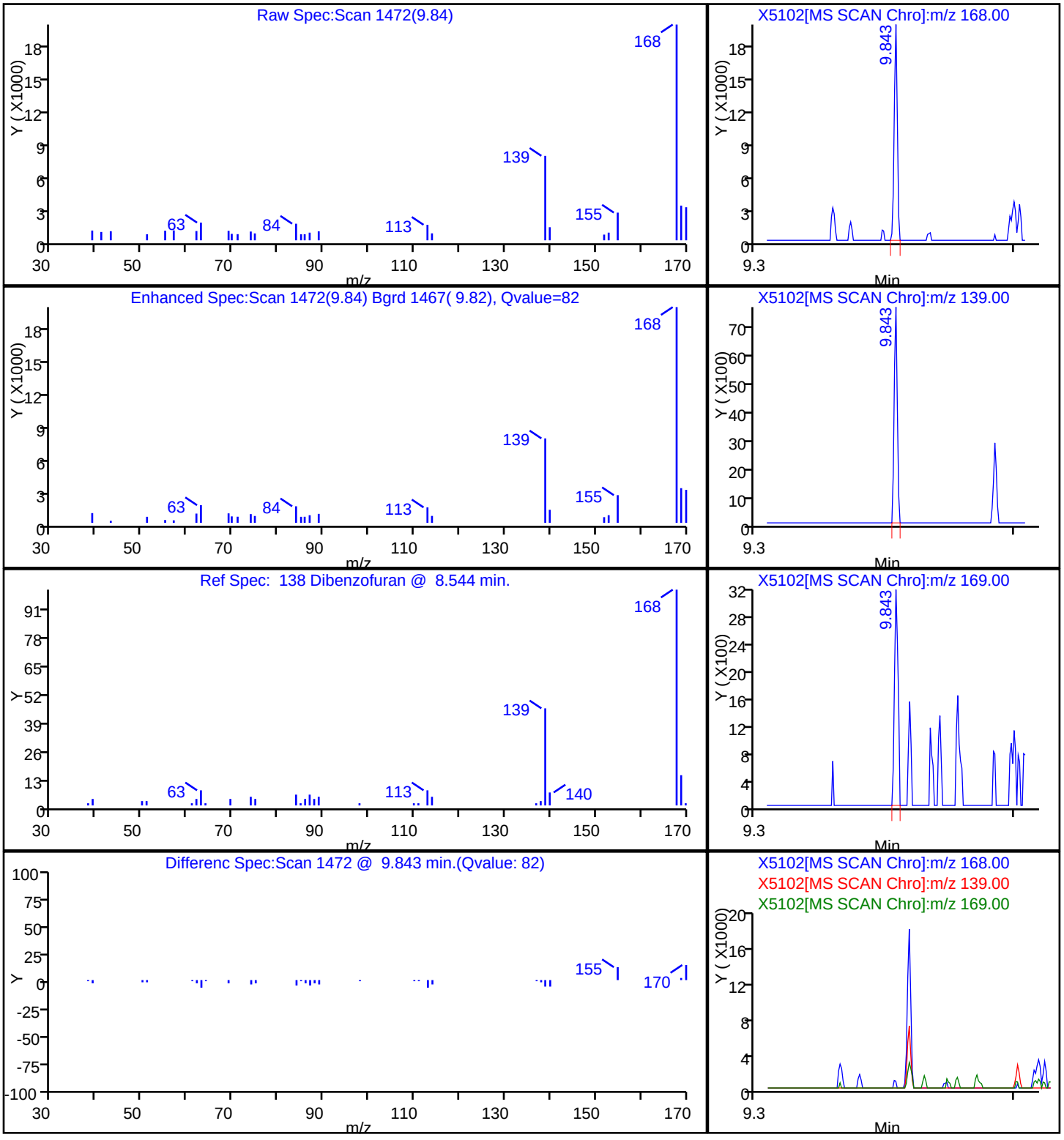


Report Date: 10-Apr-2012 10:58:16 Chrom Revision: 2.0 20-Feb-2012 13:27:02

Data File: \\Bufchrom\ChromData\HP5973X\20120409-10842.b\X5102.D

Injection Date:	09-Apr-2012 22:12:30	Limit Group:	MB - 8270C ICAL
Client ID:	DUP-03	Instrument ID:	HP5973X
Lims Batch ID:	58786	Lims Sample ID:	15
Operator ID:	RMM	Injection Vol:	1.00 ul
Column Type:	RXI-5Sil MS	Column Dia:	0.25 mm

138 Dibenzofuran

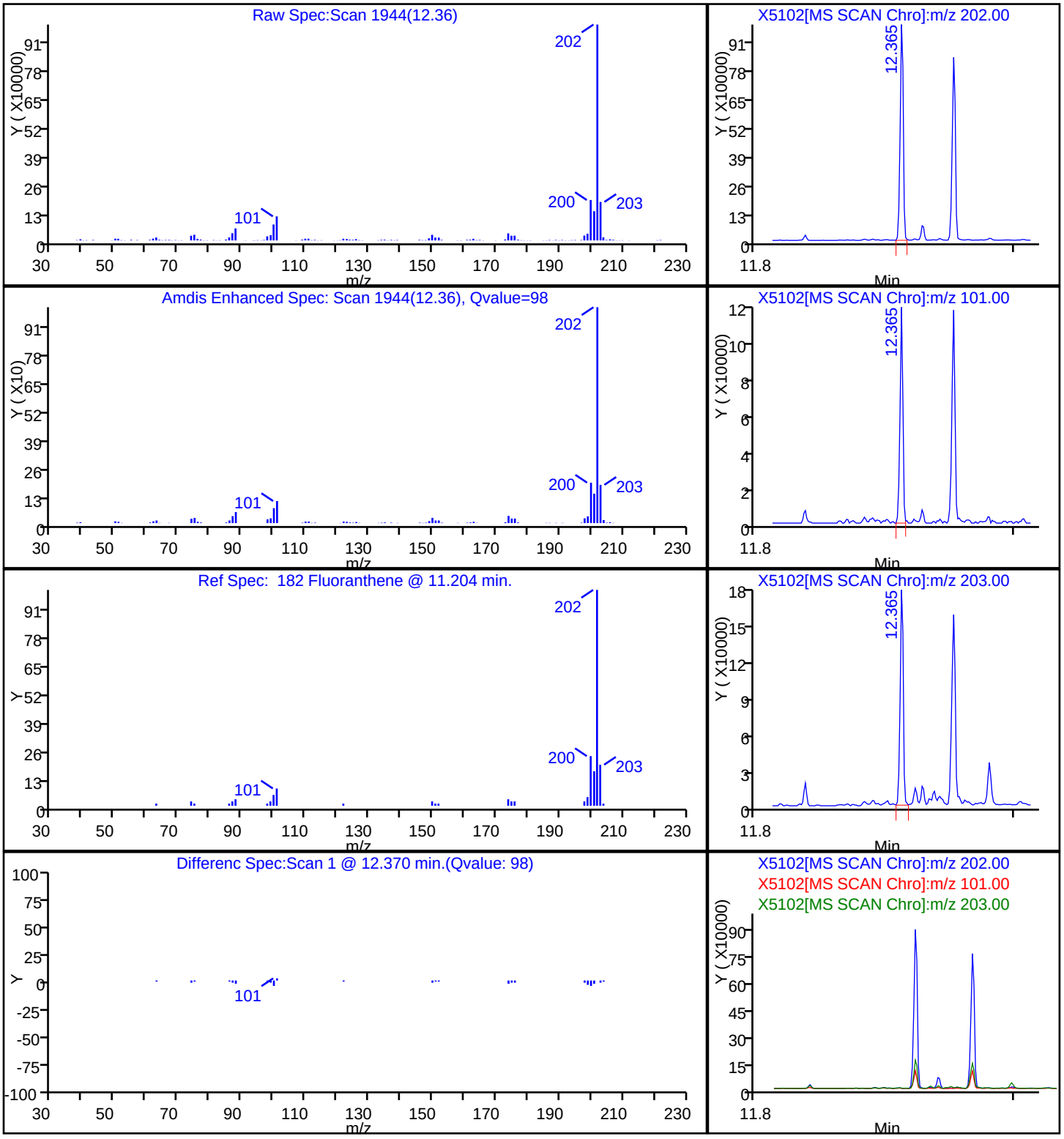


Report Date: 10-Apr-2012 10:58:16 Chrom Revision: 2.0 20-Feb-2012 13:27:02

Data File: \\Bufchrom\ChromData\HP5973X\20120409-10842.b\X5102.D

Injection Date:	09-Apr-2012 22:12:30	Limit Group:	MB - 8270C ICAL
Client ID:	DUP-03	Instrument ID:	HP5973X
Lims Batch ID:	58786	Lims Sample ID:	15
Operator ID:	RMM	Injection Vol:	1.00 ul
Column Type:	RXI-5Sil MS	Column Dia:	0.25 mm

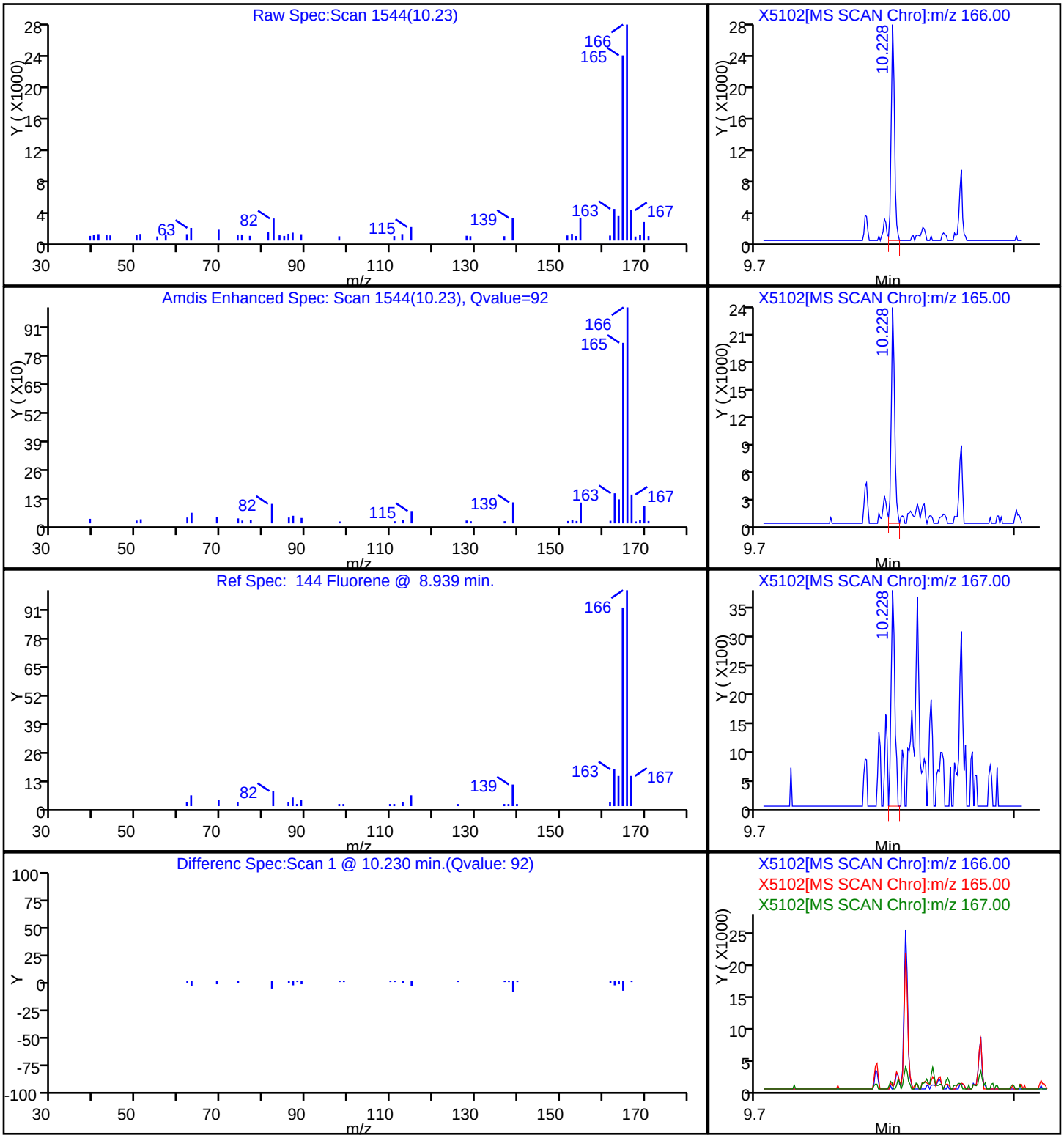
182 Fluoranthene



Report Date: 10-Apr-2012 10:58:16 Chrom Revision: 2.0 20-Feb-2012 13:27:02

Data File:	\\Bufchrom\ChromData\HP5973X\20120409-10842.b\X5102.D		
Injection Date:	09-Apr-2012 22:12:30	Limit Group:	MB - 8270C ICAL
Client ID:	DUP-03	Instrument ID:	HP5973X
Lims Batch ID:	58786	Lims Sample ID:	15
Operator ID:	RMM	Injection Vol:	1.00 ul
Column Type:	RXI-5Sil MS	Column Dia:	0.25 mm

144 Fluorene

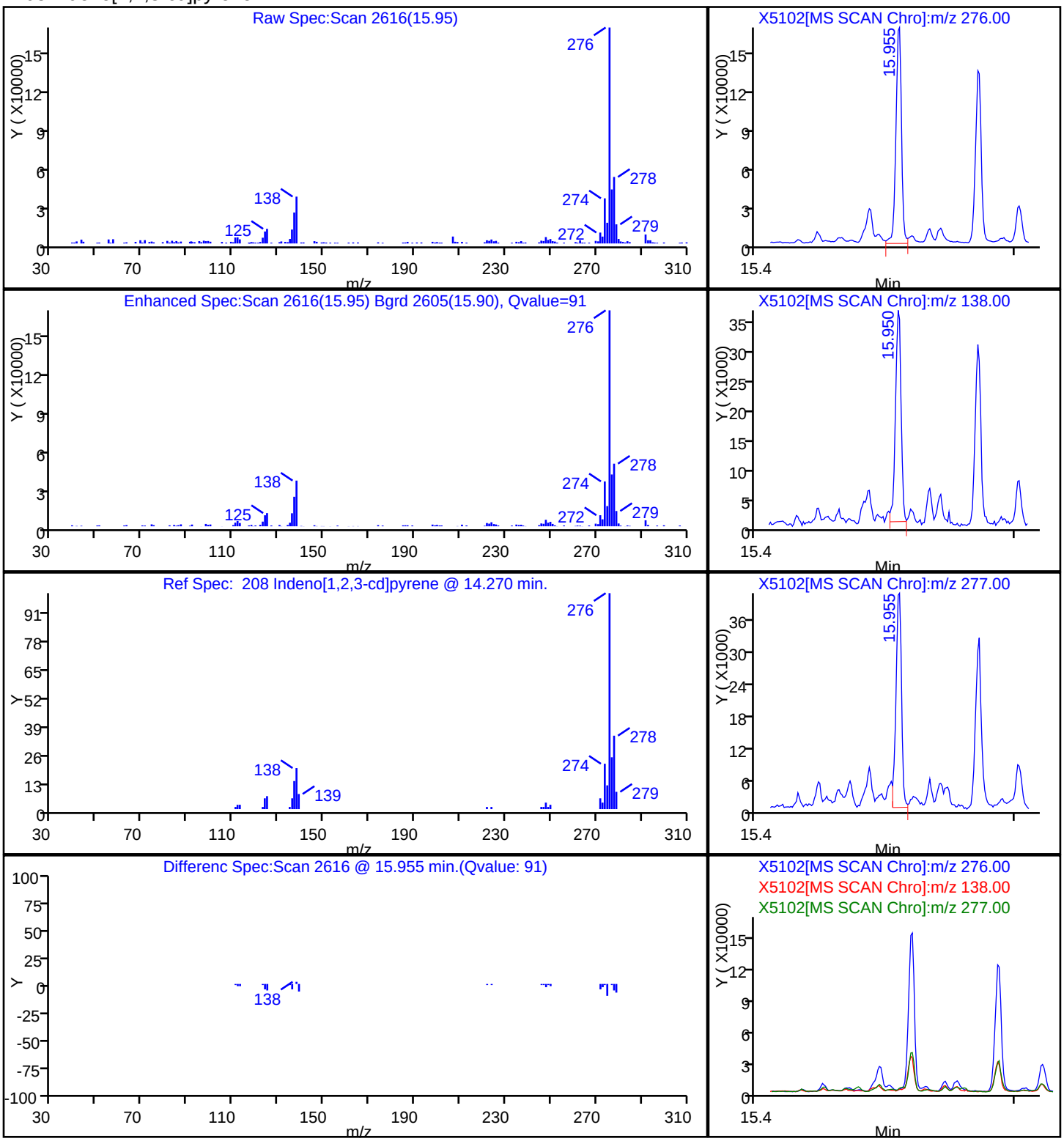


Report Date: 10-Apr-2012 10:58:16 Chrom Revision: 2.0 20-Feb-2012 13:27:02

Data File: \\Bufchrom\ChromData\HP5973X\20120409-10842.b\X5102.D

Injection Date:	09-Apr-2012 22:12:30	Limit Group:	MB - 8270C ICAL
Client ID:	DUP-03	Instrument ID:	HP5973X
Lims Batch ID:	58786	Lims Sample ID:	15
Operator ID:	RMM	Injection Vol:	1.00 ul
Column Type:	RXI-5Sil MS	Column Dia:	0.25 mm

208 Indeno[1,2,3-cd]pyrene

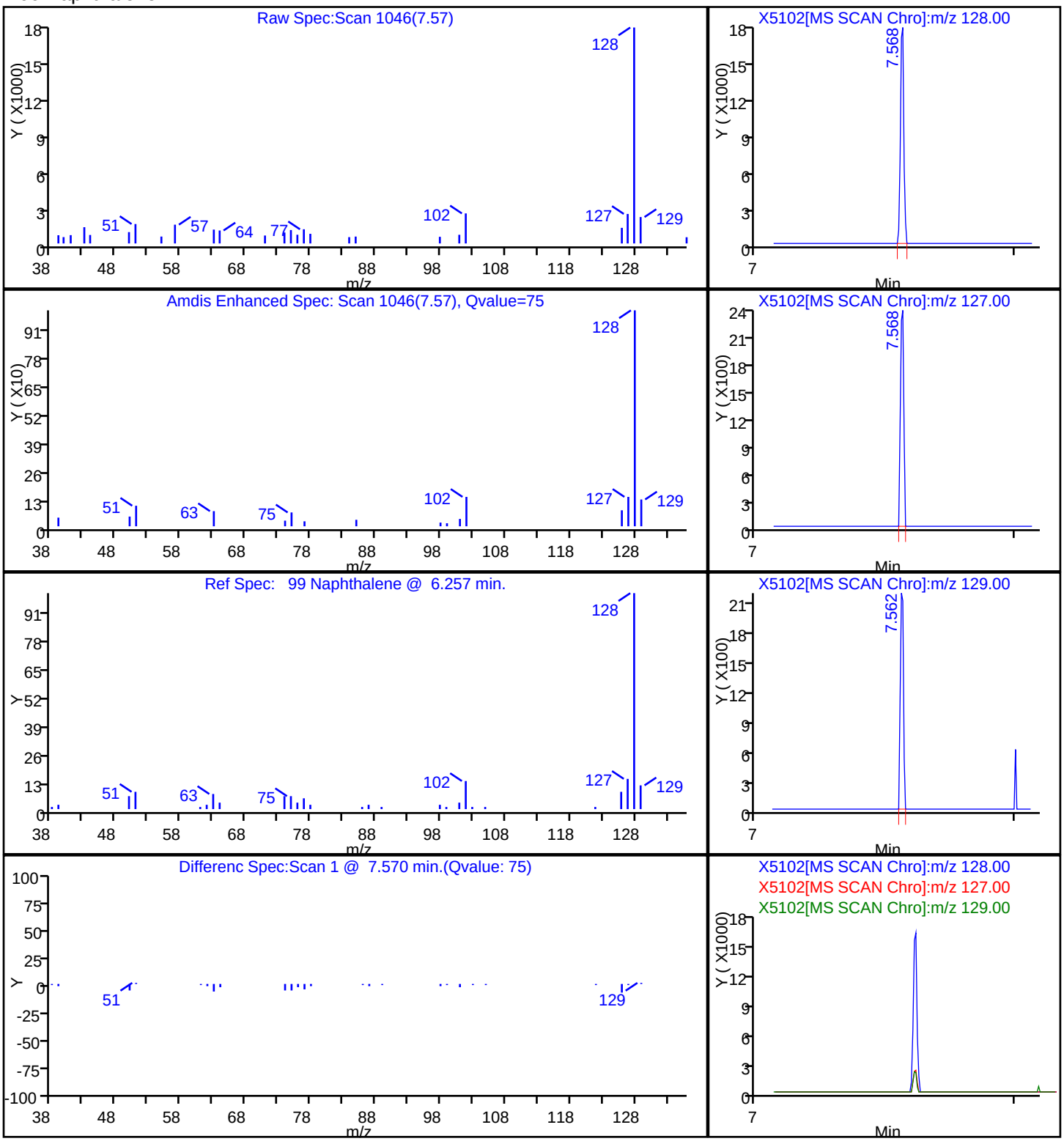


Report Date: 10-Apr-2012 10:58:16 Chrom Revision: 2.0 20-Feb-2012 13:27:02

Data File: \\Bufchrom\ChromData\HP5973X\20120409-10842.b\X5102.D

Injection Date:	09-Apr-2012 22:12:30	Limit Group:	MB - 8270C ICAL
Client ID:	DUP-03	Instrument ID:	HP5973X
Lims Batch ID:	58786	Lims Sample ID:	15
Operator ID:	RMM	Injection Vol:	1.00 ul
Column Type:	RXI-5Sil MS	Column Dia:	0.25 mm

99 Naphthalene

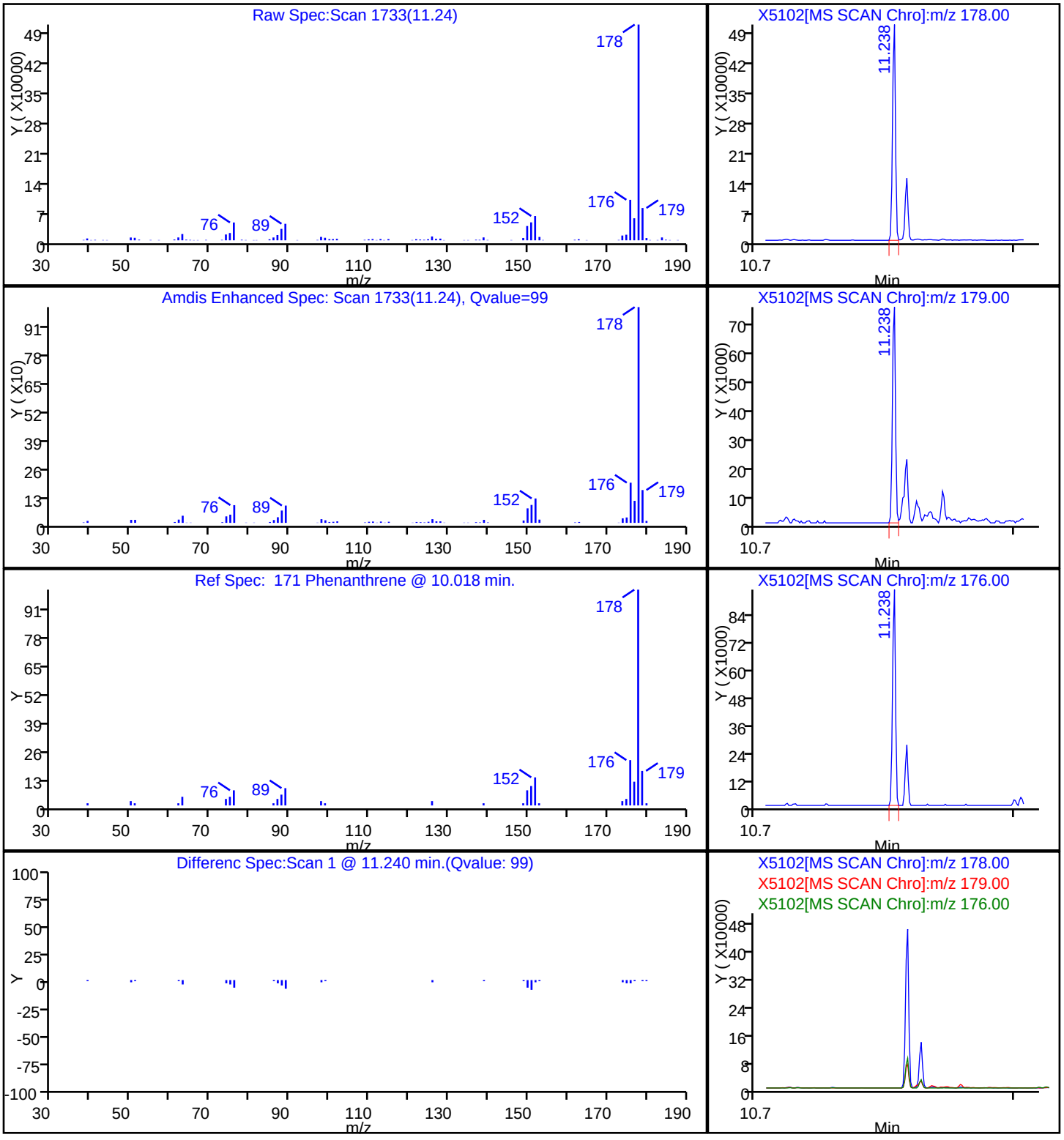


Report Date: 10-Apr-2012 10:58:16 Chrom Revision: 2.0 20-Feb-2012 13:27:02

Data File: \\Bufchrom\ChromData\HP5973X\20120409-10842.b\X5102.D

Injection Date:	09-Apr-2012 22:12:30	Limit Group:	MB - 8270C ICAL
Client ID:	DUP-03	Instrument ID:	HP5973X
Lims Batch ID:	58786	Lims Sample ID:	15
Operator ID:	RMM	Injection Vol:	1.00 ul
Column Type:	RXI-5Sil MS	Column Dia:	0.25 mm

171 Phenanthrene

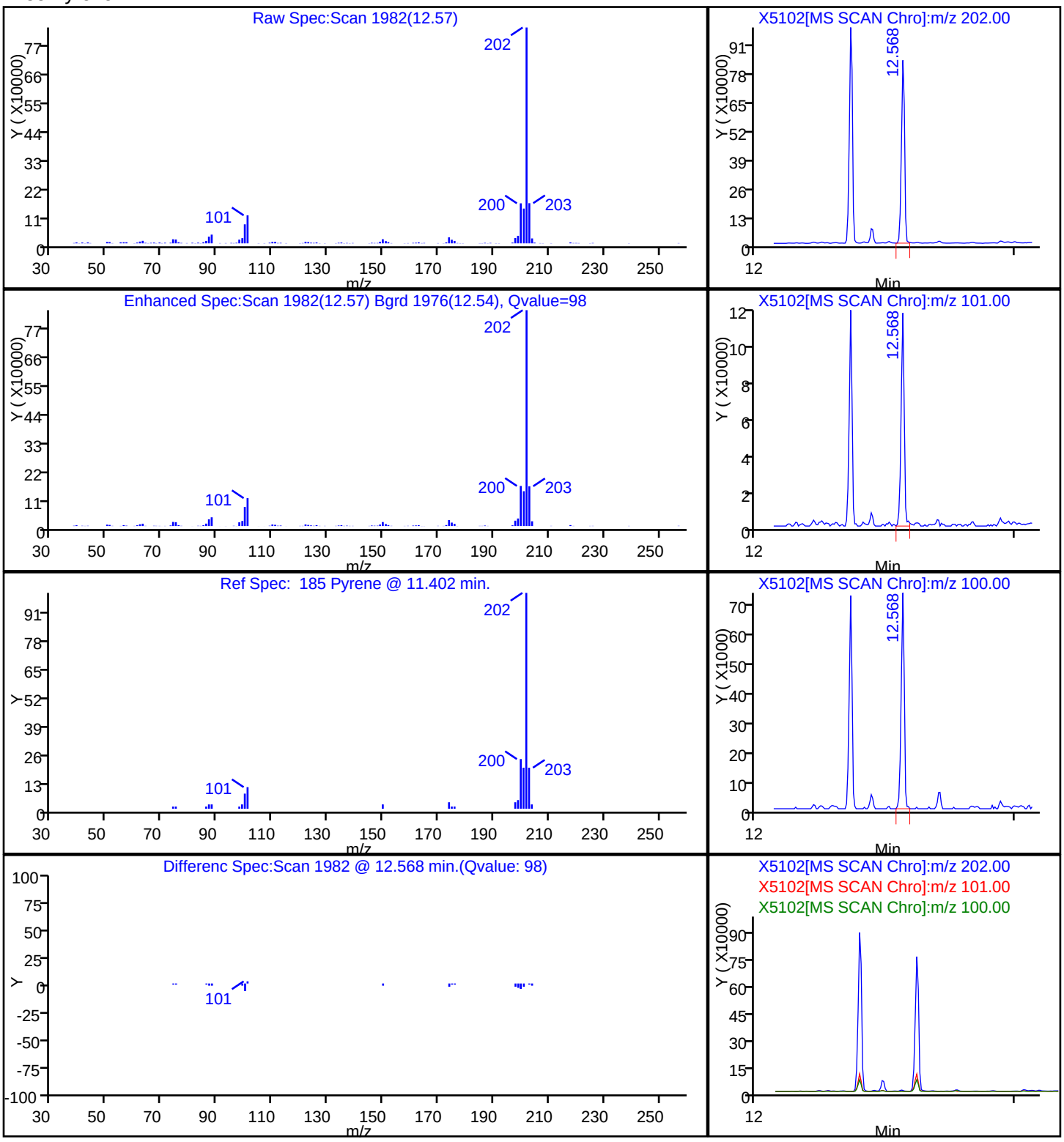


Report Date: 10-Apr-2012 10:58:16 Chrom Revision: 2.0 20-Feb-2012 13:27:02

Data File: \\Bufchrom\ChromData\HP5973X\20120409-10842.b\X5102.D

Injection Date:	09-Apr-2012 22:12:30	Limit Group:	MB - 8270C ICAL
Client ID:	DUP-03	Instrument ID:	HP5973X
Lims Batch ID:	58786	Lims Sample ID:	15
Operator ID:	RMM	Injection Vol:	1.00 ul
Column Type:	RXI-5Sil MS	Column Dia:	0.25 mm

185 Pyrene



Report Date: 10-Apr-2012 10:58:16 Chrom Revision: 2.0 20-Feb-2012 13:27:02

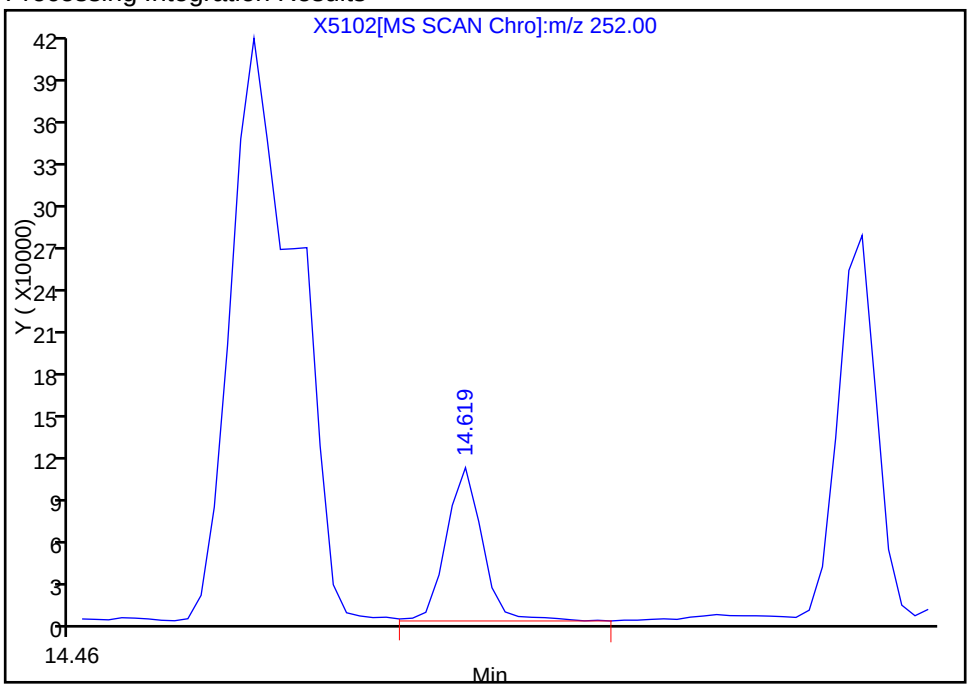
Manual Integration/User Assign Peak Report

Data File:	\\Bufchrom\ChromData\HP5973X\20120409-10842.b\X5102.D		
Injection Date:	09-Apr-2012 22:12:30	Limit Group:	MB - 8270C ICAL
Client ID:	DUP-03	Instrument ID:	HP5973X
Lims Batch ID:	58786	Lims Sample ID:	15
Operator ID:	RMM	Injection Vol:	1.00 ul
Column Type:	RXI-5Sil MS	Column Dia:	0.25 mm

204 Benzo[k]fluoranthene, Signal: 1, m/z: 252.0 Type: quant, RT: 14.55

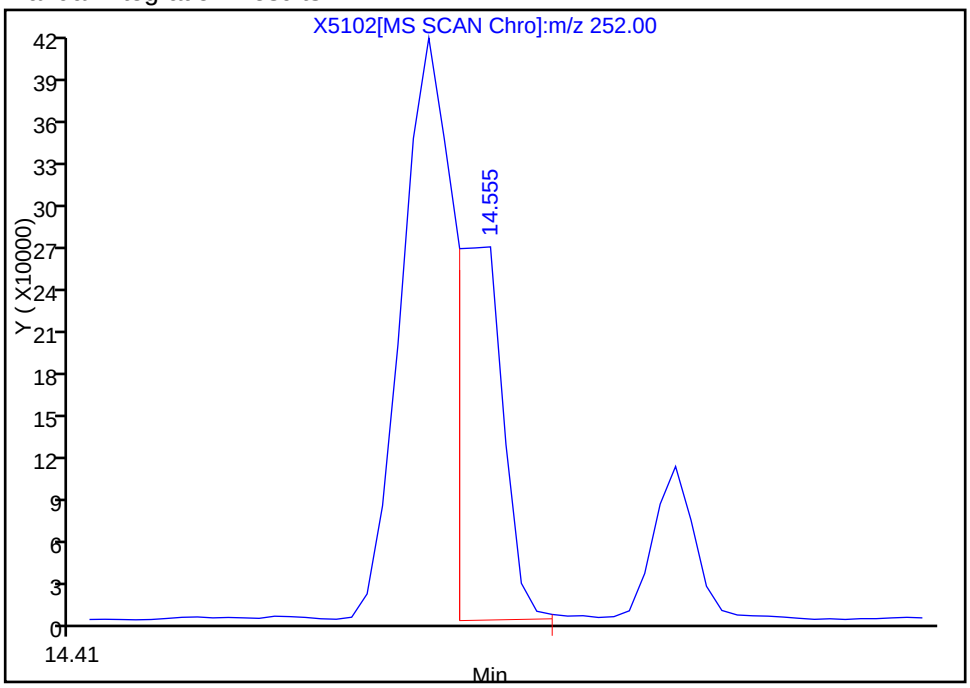
Processing Integration Results

RT: 14.62
Response: 111364
Amount: 7.509420



Manual Integration Results

RT: 14.56
Response: 307796
Amount: 20.755087



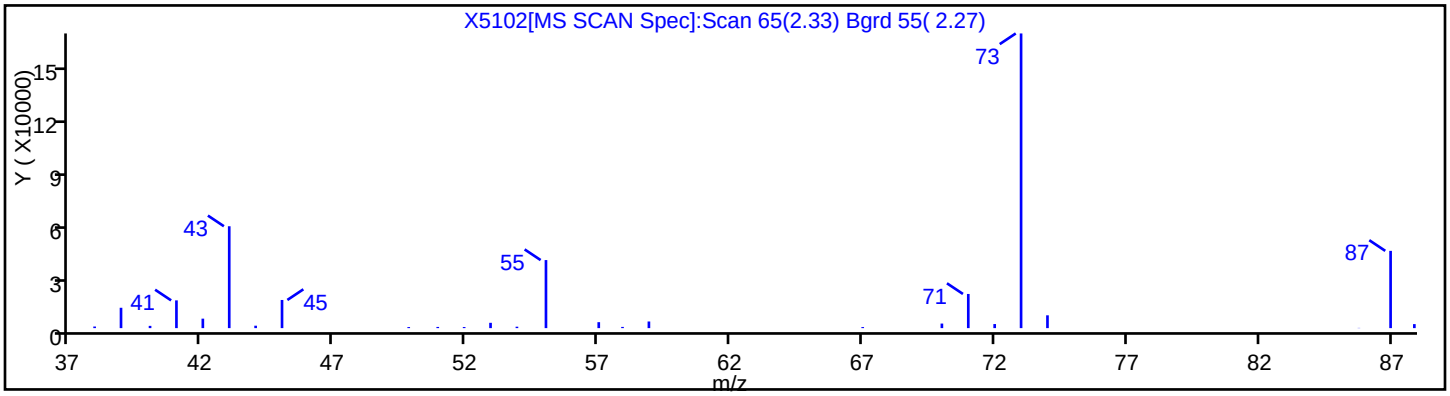
Reviewer: mckernar, 10-Apr-2012 10:58:15
Audit Action: Manually Integrated
Audit Reason: Assign Peak

Report Date: 10-Apr-2012 10:58:16 Chrom Revision: 2.0 20-Feb-2012 13:27:02

Data File: \\Bufchrom\ChromData\HP5973X\20120409-10842.b\X5102.D

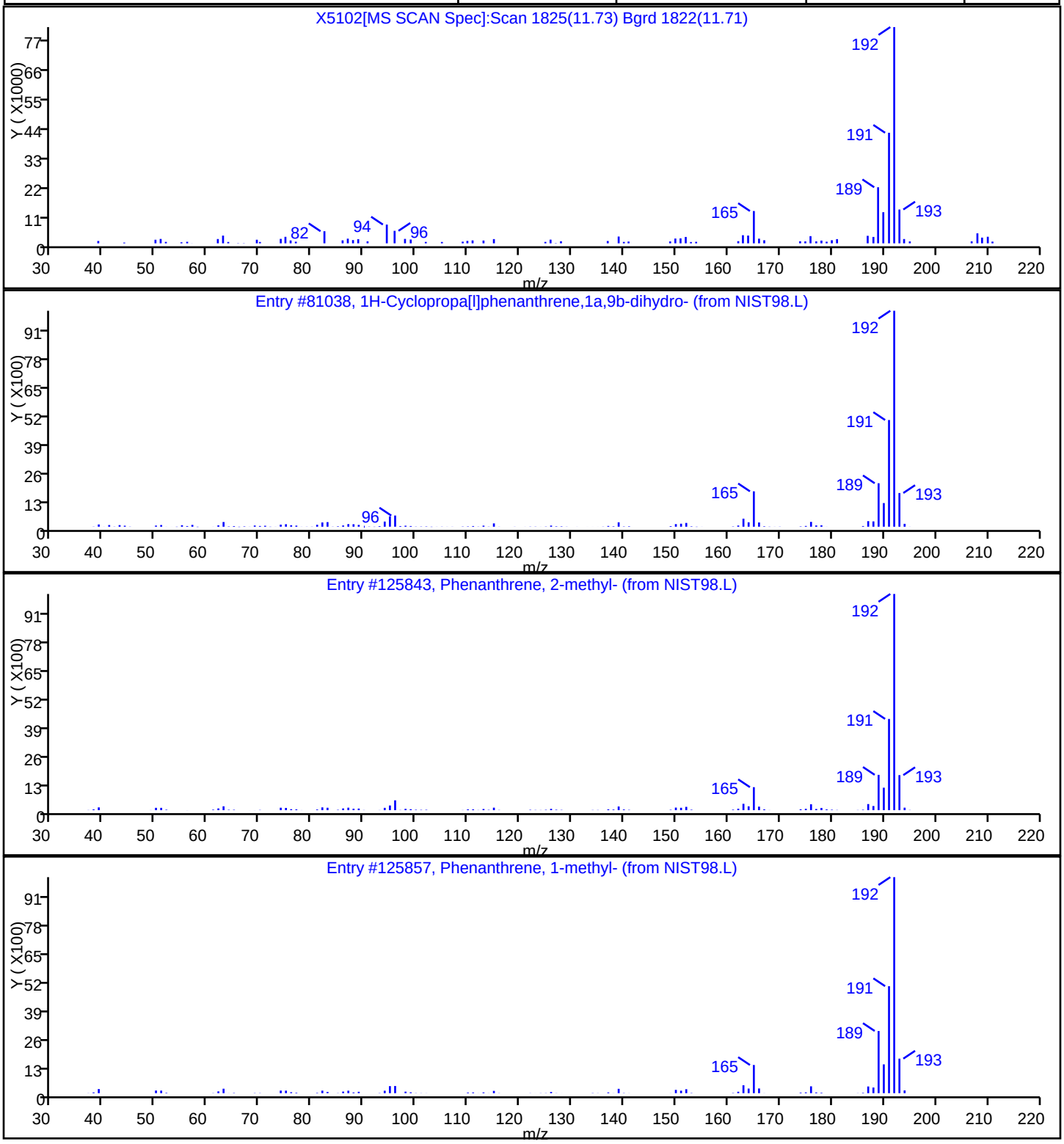
Injection Date:	09-Apr-2012 22:12:30	Limit Group:	MB - 8270C ICAL
Client ID:	DUP-03	Instrument ID:	HP5973X
Lims Batch ID:	58786	Lims Sample ID:	15
Operator ID:	RMM	Injection Vol:	1.00 ul
Column Type:	RXI-5Sil MS	Column Dia:	0.25 mm

No Library Matches Found above the Threshold: 85



Report Date: 10-Apr-2012 10:58:16 Chrom Revision: 2.0 20-Feb-2012 13:27:02
Data File: \\Bufchrom\ChromData\HP5973X\20120409-10842.b\X5102.D
Injection Date: 09-Apr-2012 22:12:30 Limit Group: MB - 8270C ICAL
Client ID: DUP-03 Instrument ID: HP5973X
Lims Batch ID: 58786 Lims Sample ID: 15
Operator ID: RMM Injection Vol: 1.00 ul
Column Type: RXI-5Sil MS Column Dia: 0.25 mm

Library Search Compound Match	CAS Number	Library	Entry	Quality
1H-Cyclopropa[l]phenanthrene,1a,9b-dihyd	949-41-7	NIST98.L	81038	97
Phenanthrene, 2-methyl-	2531-84-2	NIST98.L	125843	97
Phenanthrene, 1-methyl-	832-69-9	NIST98.L	125857	97

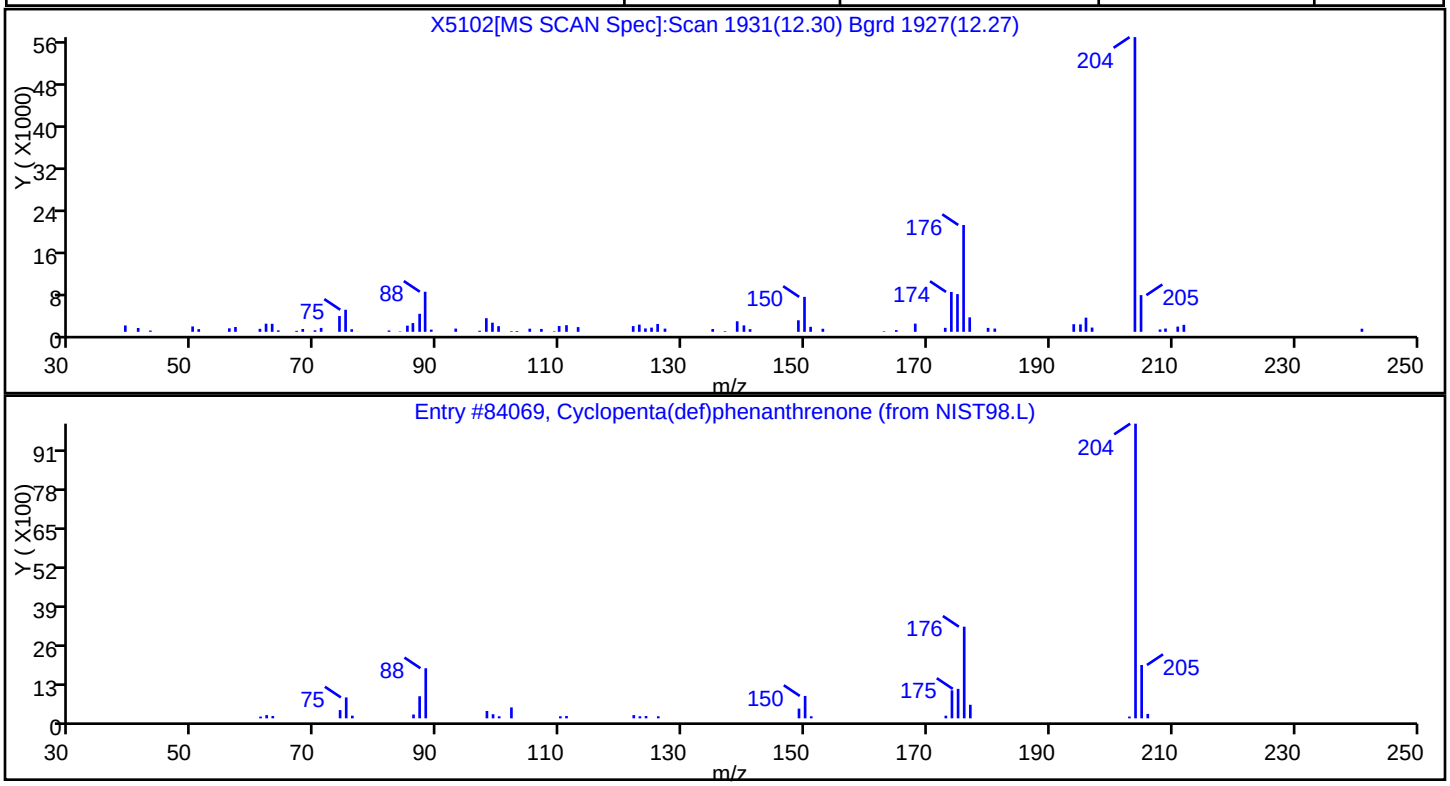


Report Date: 10-Apr-2012 10:58:16 Chrom Revision: 2.0 20-Feb-2012 13:27:02

Data File: \\Bufchrom\ChromData\HP5973X\20120409-10842.b\X5102.D

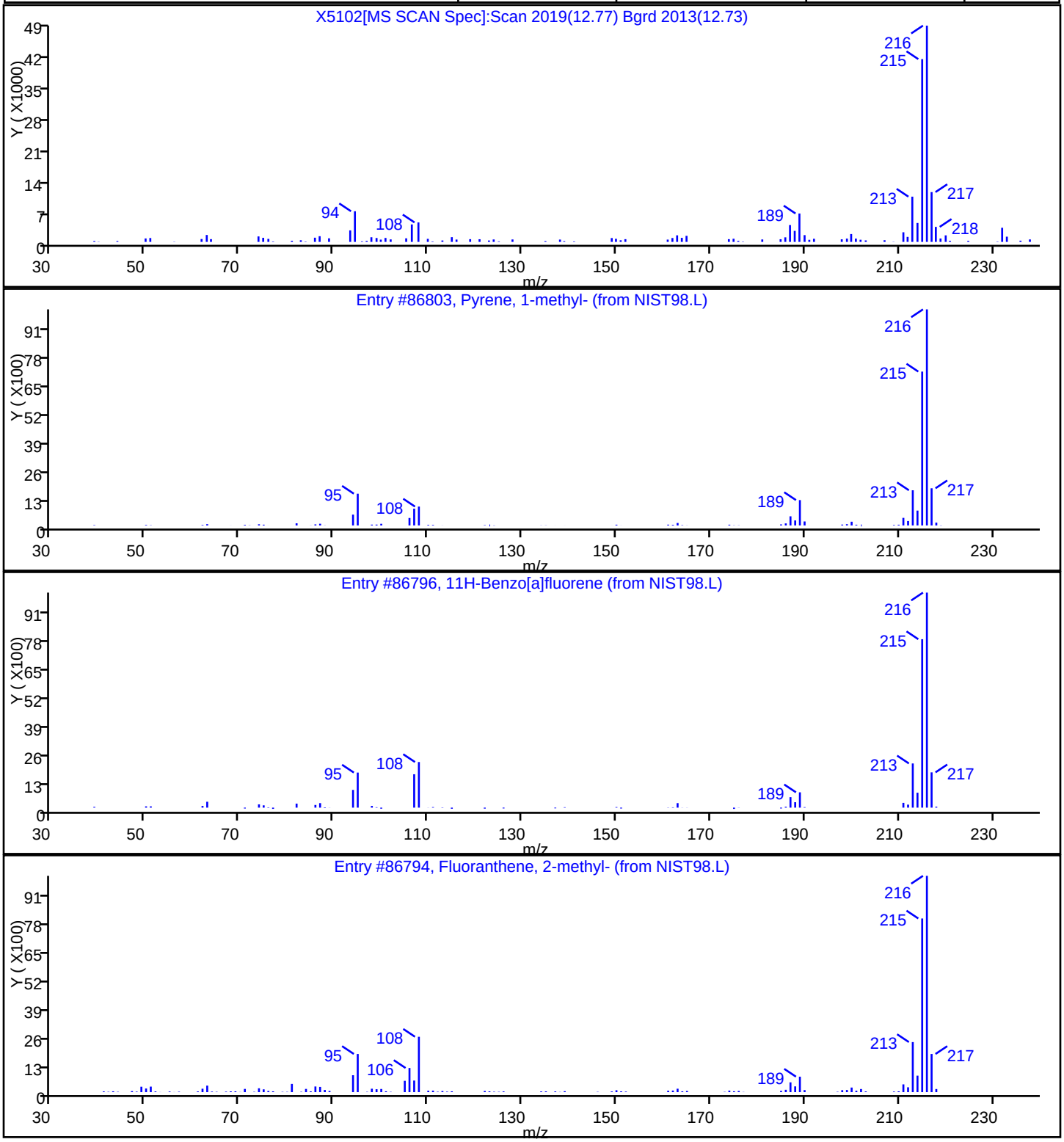
Injection Date:	09-Apr-2012 22:12:30	Limit Group:	MB - 8270C ICAL
Client ID:	DUP-03	Instrument ID:	HP5973X
Lims Batch ID:	58786	Lims Sample ID:	15
Operator ID:	RMM	Injection Vol:	1.00 ul
Column Type:	RXI-5Sil MS	Column Dia:	0.25 mm

Library Search Compound Match	CAS Number	Library	Entry	Quality
Cyclopenta(def)phenanthrenone	5737-13-3	NIST98.L	84069	90



Report Date: 10-Apr-2012 10:58:16 Chrom Revision: 2.0 20-Feb-2012 13:27:02
Data File: \\Bufchrom\ChromData\HP5973X\20120409-10842.b\X5102.D
Injection Date: 09-Apr-2012 22:12:30 Limit Group: MB - 8270C ICAL
Client ID: DUP-03 Instrument ID: HP5973X
Lims Batch ID: 58786 Lims Sample ID: 15
Operator ID: RMM Injection Vol: 1.00 ul
Column Type: RXI-5Sil MS Column Dia: 0.25 mm

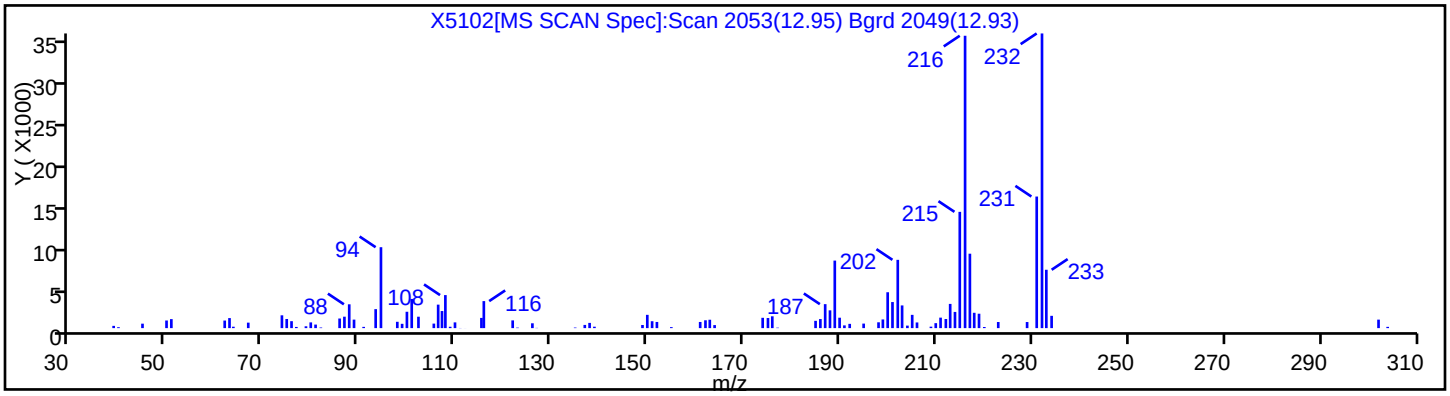
Library Search Compound Match	CAS Number	Library	Entry	Quality
Pyrene, 1-methyl-	2381-21-7	NIST98.L	86803	96
11H-Benzo[a]fluorene	238-84-6	NIST98.L	86796	91
Fluoranthene, 2-methyl-	33543-31-6	NIST98.L	86794	91



Report Date: 10-Apr-2012 10:58:16 Chrom Revision: 2.0 20-Feb-2012 13:27:02

Data File:	\\Bufchrom\ChromData\HP5973X\20120409-10842.b\X5102.D		
Injection Date:	09-Apr-2012 22:12:30	Limit Group:	MB - 8270C ICAL
Client ID:	DUP-03	Instrument ID:	HP5973X
Lims Batch ID:	58786	Lims Sample ID:	15
Operator ID:	RMM	Injection Vol:	1.00 ul
Column Type:	RXI-5Sil MS	Column Dia:	0.25 mm

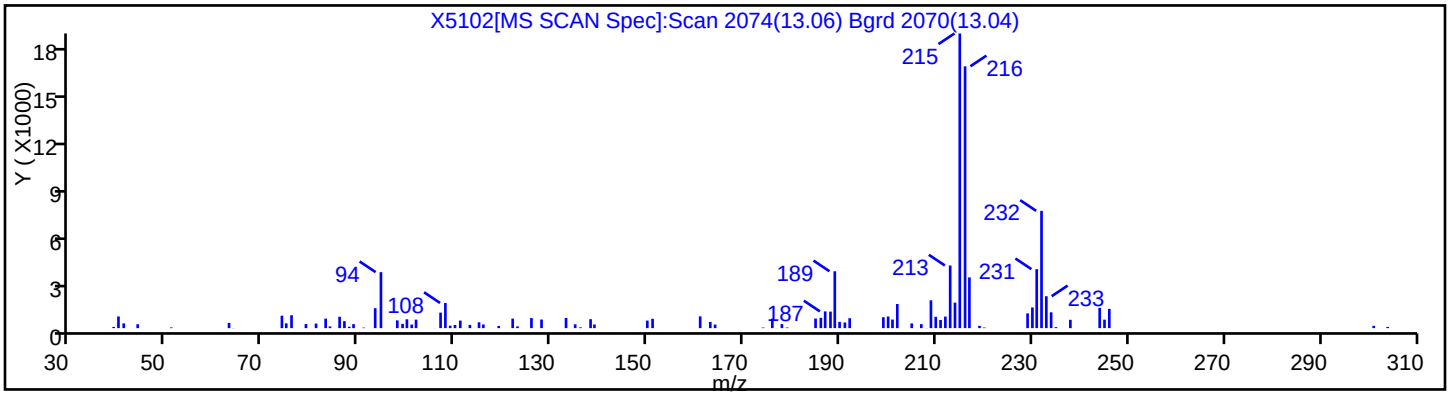
No Library Matches Found above the Threshold: 85



Report Date: 10-Apr-2012 10:58:16 Chrom Revision: 2.0 20-Feb-2012 13:27:02

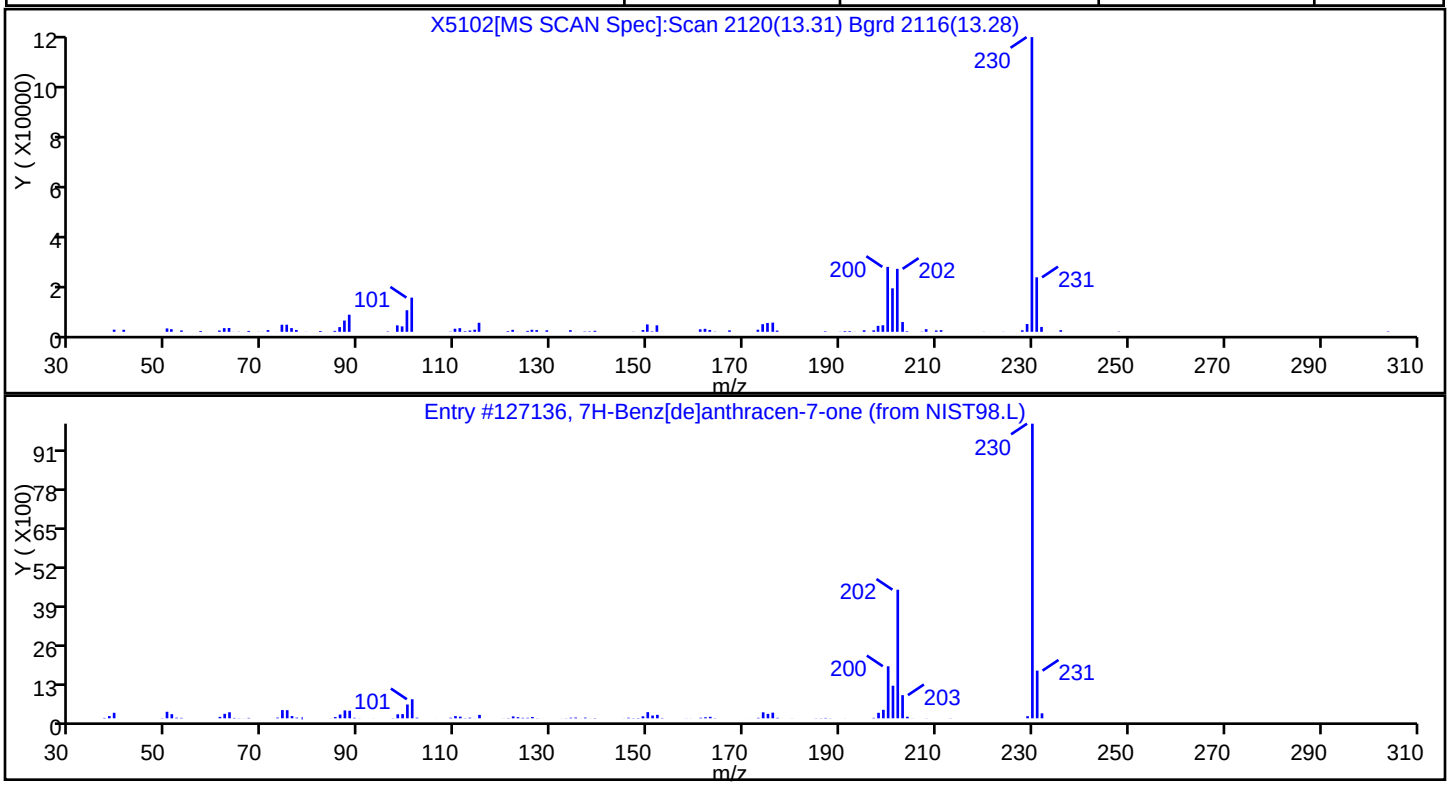
Data File:	\\Bufchrom\ChromData\HP5973X\20120409-10842.b\X5102.D		
Injection Date:	09-Apr-2012 22:12:30	Limit Group:	MB - 8270C ICAL
Client ID:	DUP-03	Instrument ID:	HP5973X
Lims Batch ID:	58786	Lims Sample ID:	15
Operator ID:	RMM	Injection Vol:	1.00 ul
Column Type:	RXI-5Sil MS	Column Dia:	0.25 mm

No Library Matches Found above the Threshold: 85



Report Date: 10-Apr-2012 10:58:16 Chrom Revision: 2.0 20-Feb-2012 13:27:02
Data File: \\Bufchrom\ChromData\HP5973X\20120409-10842.b\X5102.D
Injection Date: 09-Apr-2012 22:12:30 Limit Group: MB - 8270C ICAL
Client ID: DUP-03 Instrument ID: HP5973X
Lims Batch ID: 58786 Lims Sample ID: 15
Operator ID: RMM Injection Vol: 1.00 ul
Column Type: RXI-5Sil MS Column Dia: 0.25 mm

Library Search Compound Match	CAS Number	Library	Entry	Quality
7H-Benz[de]anthracen-7-one	82-5-3	NIST98.L	127136	96

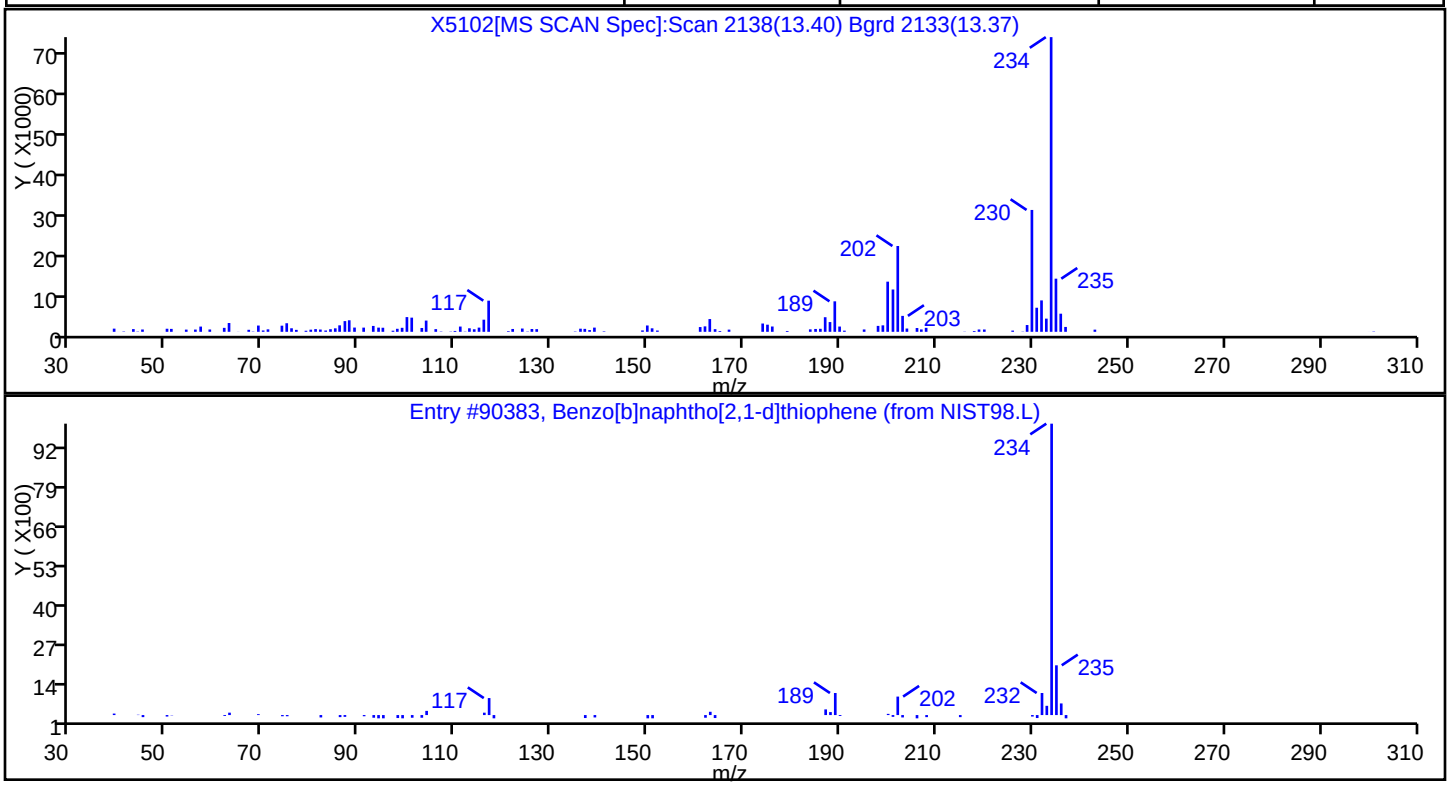


Report Date: 10-Apr-2012 10:58:16 Chrom Revision: 2.0 20-Feb-2012 13:27:02

Data File: \\Bufchrom\ChromData\HP5973X\20120409-10842.b\X5102.D

Injection Date:	09-Apr-2012 22:12:30	Limit Group:	MB - 8270C ICAL
Client ID:	DUP-03	Instrument ID:	HP5973X
Lims Batch ID:	58786	Lims Sample ID:	15
Operator ID:	RMM	Injection Vol:	1.00 ul
Column Type:	RXI-5Sil MS	Column Dia:	0.25 mm

Library Search Compound Match	CAS Number	Library	Entry	Quality
Benzo[b]naphtho[2,1-d]thiophene	239-35-0	NIST98.L	90383	92

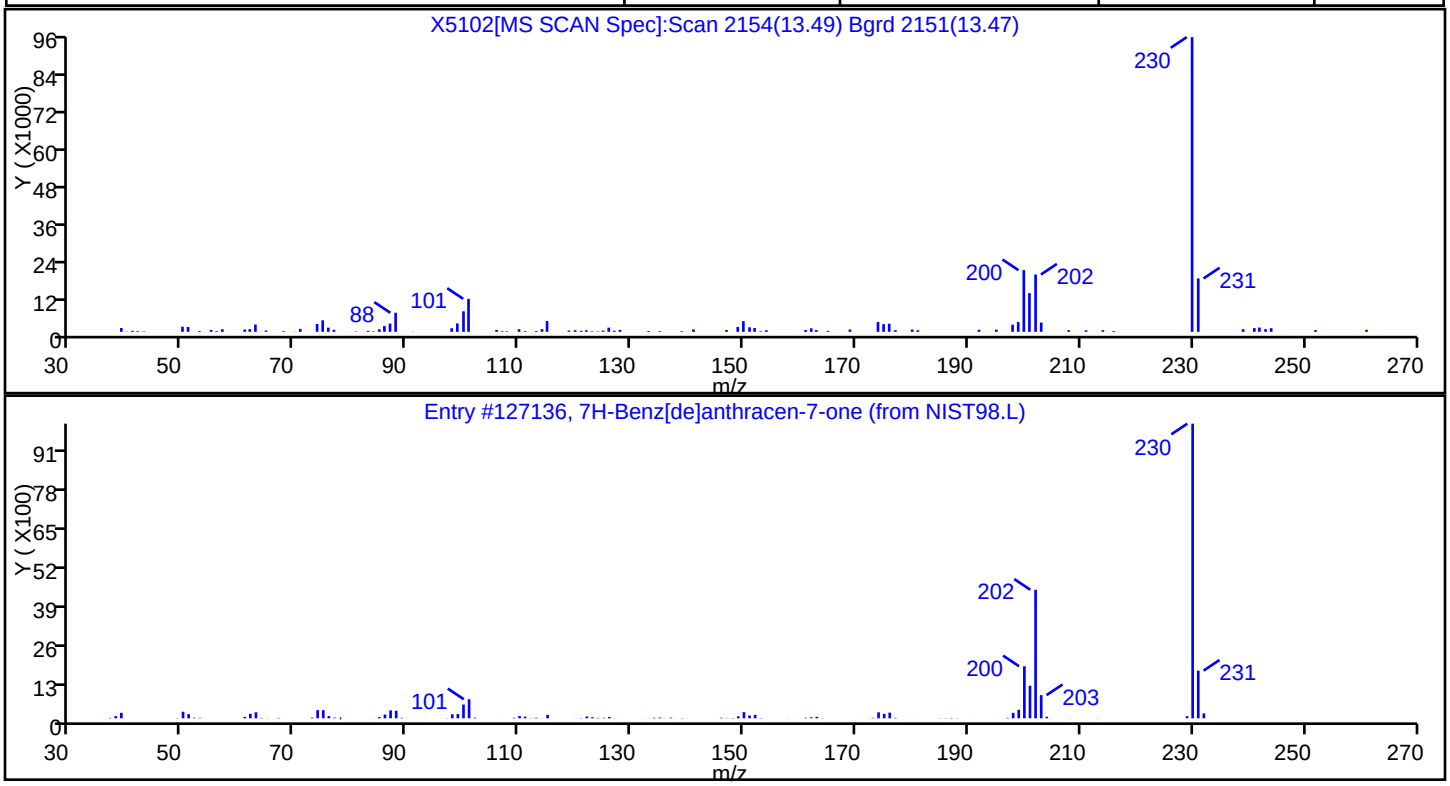


Report Date: 10-Apr-2012 10:58:16 Chrom Revision: 2.0 20-Feb-2012 13:27:02

Data File: \\Bufchrom\ChromData\HP5973X\20120409-10842.b\X5102.D

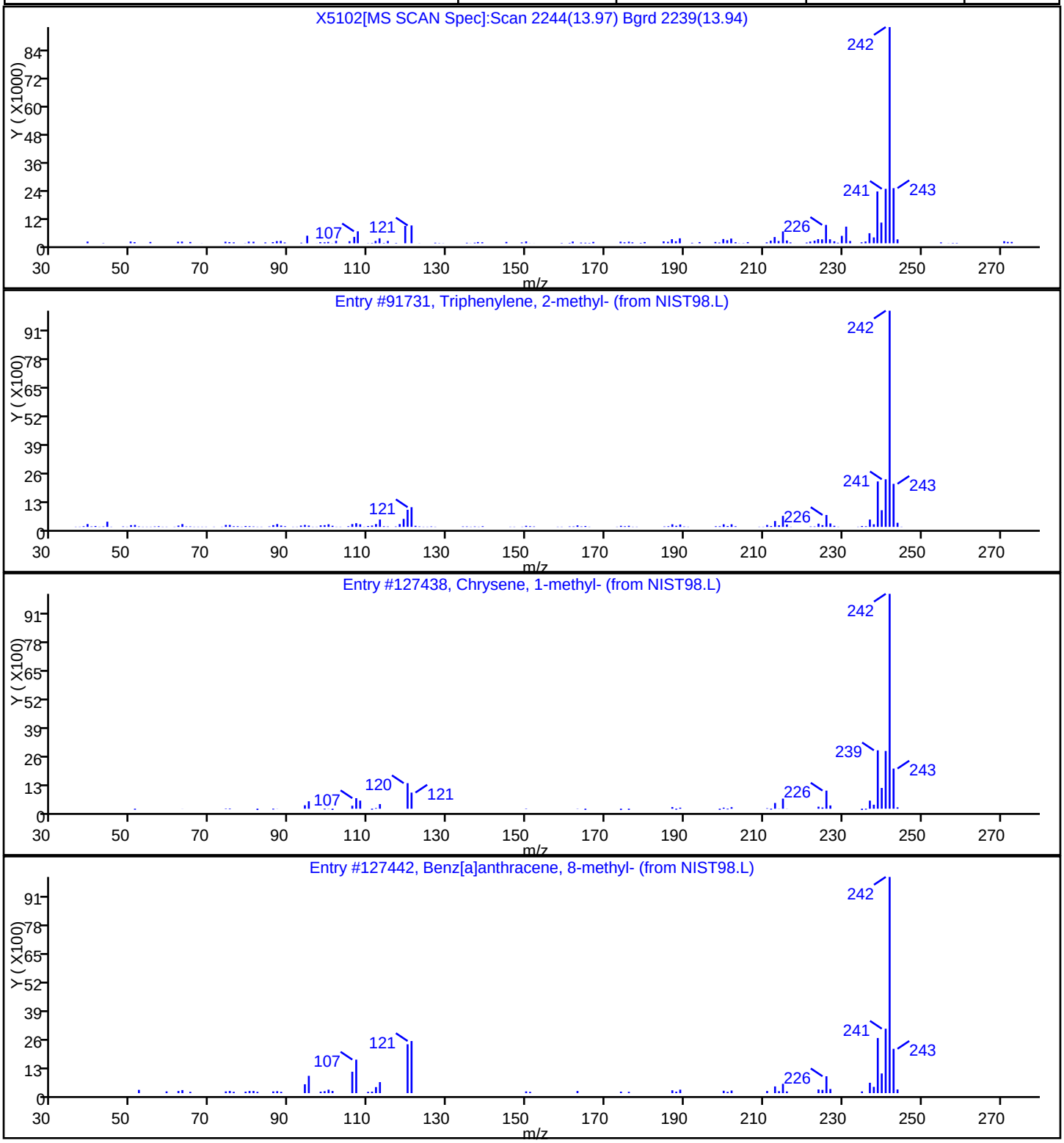
Injection Date:	09-Apr-2012 22:12:30	Limit Group:	MB - 8270C ICAL
Client ID:	DUP-03	Instrument ID:	HP5973X
Lims Batch ID:	58786	Lims Sample ID:	15
Operator ID:	RMM	Injection Vol:	1.00 ul
Column Type:	RXI-5Sil MS	Column Dia:	0.25 mm

Library Search Compound Match	CAS Number	Library	Entry	Quality
7H-Benz[de]anthracen-7-one	82-5-3	NIST98.L	127136	91



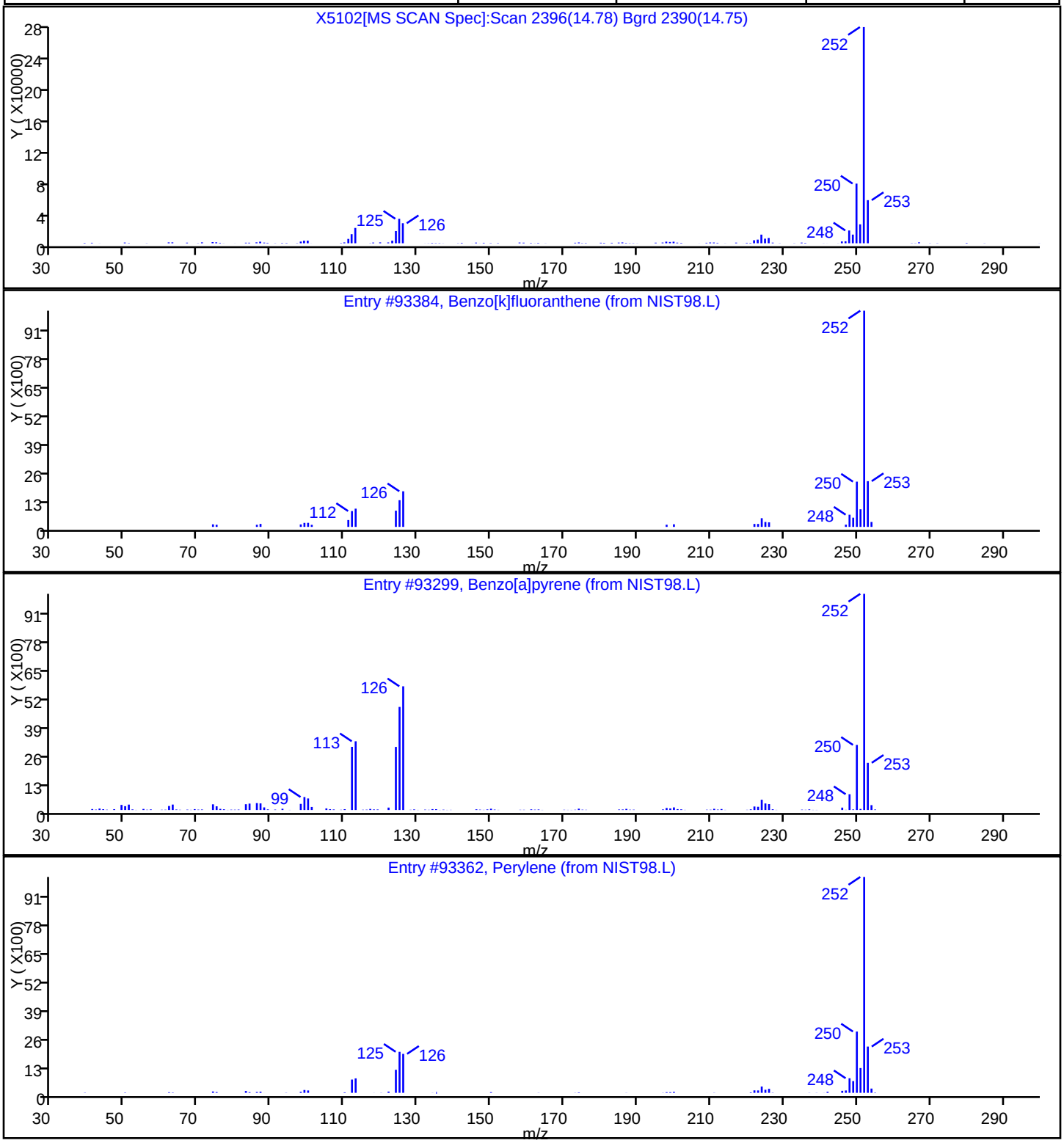
Report Date: 10-Apr-2012 10:58:16 Chrom Revision: 2.0 20-Feb-2012 13:27:02
Data File: \\Bufchrom\ChromData\HP5973X\20120409-10842.b\X5102.D
Injection Date: 09-Apr-2012 22:12:30 Limit Group: MB - 8270C ICAL
Client ID: DUP-03 Instrument ID: HP5973X
Lims Batch ID: 58786 Lims Sample ID: 15
Operator ID: RMM Injection Vol: 1.00 ul
Column Type: RXI-5Sil MS Column Dia: 0.25 mm

Library Search Compound Match	CAS Number	Library	Entry	Quality
Triphenylene, 2-methyl-	1705-84-6	NIST98.L	91731	96
Chrysene, 1-methyl-	3351-28-8	NIST98.L	127438	96
Benz[a]anthracene, 8-methyl-	2381-31-9	NIST98.L	127442	93



Report Date: 10-Apr-2012 10:58:16 Chrom Revision: 2.0 20-Feb-2012 13:27:02
Data File: \\Bufchrom\ChromData\HP5973X\20120409-10842.b\X5102.D
Injection Date: 09-Apr-2012 22:12:30 Limit Group: MB - 8270C ICAL
Client ID: DUP-03 Instrument ID: HP5973X
Lims Batch ID: 58786 Lims Sample ID: 15
Operator ID: RMM Injection Vol: 1.00 ul
Column Type: RXI-5Sil MS Column Dia: 0.25 mm

Library Search Compound Match	CAS Number	Library	Entry	Quality
Benzo[k]fluoranthene	207-8-9	NIST98.L	93384	98
Benzo[a]pyrene	50-32-8	NIST98.L	93299	95
Perylene	198-55-0	NIST98.L	93362	94



FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Buffalo | Job No.: 480-18068-1

SDG No.:

Client Sample ID: EQUIPMENT BLANK | Lab Sample ID: 480-18068-17

Matrix: Water | Lab File ID: X4945.D

Analysis Method: 8270C | Date Collected: 04/03/2012 12:10

Extract. Method: 3510C | Date Extracted: 04/05/2012 07:38

Sample wt/vol: 1000(mL) | Date Analyzed: 04/06/2012 11:16

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.: 58387 | Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
92-52-4	Biphenyl	ND		5.0	0.65
108-60-1	bis (2-chloroisopropyl) ether	ND		5.0	0.52
95-95-4	2,4,5-Trichlorophenol	ND		5.0	0.48
88-06-2	2,4,6-Trichlorophenol	ND		5.0	0.61
120-83-2	2,4-Dichlorophenol	ND		5.0	0.51
105-67-9	2,4-Dimethylphenol	ND		5.0	0.50
51-28-5	2,4-Dinitrophenol	ND		10	2.2
121-14-2	2,4-Dinitrotoluene	ND		5.0	0.45
606-20-2	2,6-Dinitrotoluene	ND		5.0	0.40
91-58-7	2-Chloronaphthalene	ND		5.0	0.46
95-57-8	2-Chlorophenol	ND		5.0	0.53
91-57-6	2-Methylnaphthalene	ND		5.0	0.60
95-48-7	2-Methylphenol	ND		5.0	0.40
88-74-4	2-Nitroaniline	ND		10	0.42
88-75-5	2-Nitrophenol	ND		5.0	0.48
91-94-1	3,3'-Dichlorobenzidine	ND		5.0	0.40
99-09-2	3-Nitroaniline	ND		10	0.48
534-52-1	4,6-Dinitro-2-methylphenol	ND		10	2.2
101-55-3	4-Bromophenyl phenyl ether	ND		5.0	0.45
59-50-7	4-Chloro-3-methylphenol	ND		5.0	0.45
106-47-8	4-Chloroaniline	ND		5.0	0.59
7005-72-3	4-Chlorophenyl phenyl ether	ND		5.0	0.35
106-44-5	4-Methylphenol	ND		10	0.36
100-01-6	4-Nitroaniline	ND		10	0.25
100-02-7	4-Nitrophenol	ND		10	1.5
83-32-9	Acenaphthene	ND		5.0	0.41
208-96-8	Acenaphthylene	ND		5.0	0.38
98-86-2	Acetophenone	ND		5.0	0.54
120-12-7	Anthracene	ND		5.0	0.28
1912-24-9	Atrazine	ND		5.0	0.46
100-52-7	Benzaldehyde	ND		5.0	0.27
56-55-3	Benzo(a)anthracene	ND		5.0	0.36
50-32-8	Benzo(a)pyrene	ND		5.0	0.47
205-99-2	Benzo(b)fluoranthene	ND		5.0	0.34

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Buffalo | Job No.: 480-18068-1

SDG No.:

Client Sample ID: EQUIPMENT BLANK | Lab Sample ID: 480-18068-17

Matrix: Water | Lab File ID: X4945.D

Analysis Method: 8270C | Date Collected: 04/03/2012 12:10

Extract. Method: 3510C | Date Extracted: 04/05/2012 07:38

Sample wt/vol: 1000(mL) | Date Analyzed: 04/06/2012 11:16

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.: 58387 | Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
191-24-2	Benzo(g,h,i)perylene	ND		5.0	0.35
207-08-9	Benzo(k)fluoranthene	ND		5.0	0.73
111-91-1	Bis(2-chloroethoxy)methane	ND		5.0	0.35
111-44-4	Bis(2-chloroethyl)ether	ND		5.0	0.40
117-81-7	Bis(2-ethylhexyl) phthalate	ND		5.0	1.8
85-68-7	Butyl benzyl phthalate	ND		5.0	0.42
105-60-2	Caprolactam	ND	*	5.0	2.2
86-74-8	Carbazole	ND		5.0	0.30
218-01-9	Chrysene	ND		5.0	0.33
84-74-2	Di-n-butyl phthalate	ND		5.0	0.31
117-84-0	Di-n-octyl phthalate	ND		5.0	0.47
53-70-3	Dibenz(a,h)anthracene	ND		5.0	0.42
132-64-9	Dibenzofuran	ND		10	0.51
84-66-2	Diethyl phthalate	ND		5.0	0.22
131-11-3	Dimethyl phthalate	ND		5.0	0.36
206-44-0	Fluoranthene	ND		5.0	0.40
86-73-7	Fluorene	ND		5.0	0.36
118-74-1	Hexachlorobenzene	ND		5.0	0.51
87-68-3	Hexachlorobutadiene	ND		5.0	0.68
77-47-4	Hexachlorocyclopentadiene	ND		5.0	0.59
67-72-1	Hexachloroethane	ND		5.0	0.59
193-39-5	Indeno(1,2,3-cd)pyrene	ND		5.0	0.47
78-59-1	Isophorone	ND		5.0	0.43
621-64-7	N-Nitrosodi-n-propylamine	ND		5.0	0.54
86-30-6	N-Nitrosodiphenylamine	ND		5.0	0.51
91-20-3	Naphthalene	ND		5.0	0.76
98-95-3	Nitrobenzene	ND		5.0	0.29
87-86-5	Pentachlorophenol	ND		10	2.2
85-01-8	Phenanthrene	ND		5.0	0.44
108-95-2	Phenol	ND		5.0	0.39
129-00-0	Pyrene	ND		5.0	0.34

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Buffalo | Job No.: 480-18068-1

SDG No.:

Client Sample ID: EQUIPMENT BLANK | Lab Sample ID: 480-18068-17

Matrix: Water | Lab File ID: X4945.D

Analysis Method: 8270C | Date Collected: 04/03/2012 12:10

Extract. Method: 3510C | Date Extracted: 04/05/2012 07:38

Sample wt/vol: 1000(mL) | Date Analyzed: 04/06/2012 11:16

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.: 58387 | Units: ug/L

CAS NO.	SURROGATE	%REC	Q	LIMITS
118-79-6	2,4,6-Tribromophenol	124		52-132
321-60-8	2-Fluorobiphenyl	88		48-120
367-12-4	2-Fluorophenol	35		20-120
4165-60-0	Nitrobenzene-d5	77		46-120
1718-51-0	p-Terphenyl-d14	105		67-150
4165-62-2	Phenol-d5	25		16-120

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

Lab Name: TestAmerica Buffalo | Job No.: 480-18068-1

SDG No.:

Client Sample ID: EQUIPMENT BLANK | Lab Sample ID: 480-18068-17

Matrix: Water | Lab File ID: X4945.D

Analysis Method: 8270C | Date Collected: 04/03/2012 12:10

Extract. Method: 3510C | Date Extracted: 04/05/2012 07:38

Sample wt/vol: 1000(mL) | Date Analyzed: 04/06/2012 11:16

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.: 58387 | Units: ug/L

Number TICs Found: 8 | TIC Result Total: 58.3

CAS NO.	COMPOUND NAME	RT	RESULT	Q
106-42-3	p-Xylene	4.24	4.3	T J N
	Unknown	12.76	5.0	T J
	Unknown	13.07	5.7	T J
	Unknown	13.53	9.0	T J
	Unknown	13.80	6.0	T J
	Unknown	14.13	6.3	T J
	Unknown	14.24	11	T J
	Unknown	14.99	11	T J

TestAmerica Laboratories
Target Compound Quantitation Report

Data File: \\Bufchrom\ChromData\HP5973X\20120405-10764.b\X4945.D
Lims ID: 480-18068-B-17-A
Client ID: EQUIPMENT BLANK
Inject. Date: 06-Apr-2012 11:16:30
Dil. Factor: 1.0000
Sample Type: Client
Sample ID: 480-0010764-030
Misc. Info.:
Operator: RMM
Instrument ID: HP5973X
Vol. Injected: 1.0000
ALS Bottle#: 62
Lims Batch ID: 58387
Lims Sample ID: 30
Detector: MS SCAN

Method: \\Bufchrom\ChromData\HP5973X\20120405-10764.b\X-8270.m
Last Update: 06-Apr-2012 11:38:18
Calib Date: 03-Apr-2012 15:26:30
Quant Method: Internal Standard
Quant By: Initial Calibration
Last ICal File: \\Bufchrom\ChromData\HP5973X\20120403-10684.b\X4785.D
Limit Group: MB - 8270C ICAL
Integrator: RTE
ID Type: Deconvolution ID
Process Host: CORP-CTX-19

First Level Reviewer: mckernar
Date: 06-Apr-2012 11:38:18

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ng/uL	Flags
* 1 1,4-Dichlorobenzene-d4	152	5.818	5.834	-0.016	96	53460	40.0	
* 2 Naphthalene-d8	136	7.330	7.340	-0.010	90	212071	40.0	
* 3 Acenaphthene-d10	164	9.402	9.408	-0.006	58	127013	40.0	
* 4 Phenanthrene-d10	188	11.032	11.037	-0.005	98	191467	40.0	
* 5 Chrysene-d12	240	13.447	13.452	-0.006	99	169586	40.0	
* 6 Perylene-d12	264	14.654	14.659	-0.005	97	200221	40.0	
$ 7 2-Fluorophenol	112	4.285	4.322	-0.037	97	88097	52.4	
$ 8 Phenol-d5	99	5.455	5.481	-0.026	77	85834	36.9	
$ 9 Nitrobenzene-d5	82	6.486	6.512	-0.026	94	200515	77.4	
$ 10 2-Fluorobiphenyl	172	8.622	8.633	-0.011	98	343926	88.4	
$ 11 2,4,6-Tribromophenol	330	10.321	10.321	0.0	67	109967	186.1	
$ 12 p-Terphenyl-d14	244	12.538	12.549	-0.011	96	363569	104.6	
62 Benzaldehyde	77		5.316					
63 Phenol	94		5.497					
66 Bis(2-chloroethyl)ether	93		5.551					
67 2-Chlorophenol	128		5.615					
74 2,2'-oxybis[1-chloropropane]	45		6.186					
73 2-Methylphenol	108		6.202					
76 Acetophenone	105		6.320					
78 N-Nitrosodi-n-propylamine	70		6.347					
79 4-Methylphenol	108		6.395					
81 Hexachloroethane	117		6.432					
83 Nitrobenzene	77		6.534					
86 Isophorone	82		6.827					
87 2-Nitrophenol	139		6.913					
89 2,4-Dimethylphenol	107		7.009					
94 Bis(2-chloroethoxy)methane	93		7.095					
97 2,4-Dichlorophenol	162		7.228					
99 Naphthalene	128		7.372					
101 4-Chloroaniline	127		7.474					
104 Hexachlorobutadiene	225		7.522					

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ng/uL	Flags
105 Caprolactam	113		7.875					
110 4-Chloro-3-methylphenol	107		8.088					
113 2-Methylnaphthalene	142		8.190					
116 Hexachlorocyclopentadiene	237		8.371					
118 2,4,6-Trichlorophenol	196		8.548					
119 2,4,5-Trichlorophenol	196		8.622					
123 1,1'-Biphenyl	154		8.735					
124 2-Chloronaphthalene	162		8.761					
125 2-Nitroaniline	65		8.922					
128 Dimethyl phthalate	163		9.141					
130 2,6-Dinitrotoluene	165		9.215					
131 Acenaphthylene	152		9.248					
132 3-Nitroaniline	138		9.418					
133 Acenaphthene	153		9.451					
134 2,4-Dinitrophenol	184		9.552					
138 Dibenzofuran	168		9.659					
137 2,4-Dinitrotoluene	165		9.691					
135 4-Nitrophenol	109		9.728					
142 Diethyl phthalate	149		9.963					
144 Fluorene	166		10.049					
145 4-Chlorophenyl phenyl ether	204		10.060					
147 4-Nitroaniline	138		10.129					
148 4,6-Dinitro-2-methylphenol	198		10.150					
149 N-Nitrosodiphenylamine	169		10.204					
159 4-Bromophenyl phenyl ether	248		10.583					
160 Hexachlorobenzene	284		10.636					
163 Atrazine	200		10.802					
165 Pentachlorophenol	266		10.872					
171 Phenanthrene	178		11.059					
172 Anthracene	178		11.112					
173 Carbazole	167		11.299					
176 Di-n-butyl phthalate	149		11.641					
182 Fluoranthene	202		12.202					
185 Pyrene	202		12.405					
192 Butyl benzyl phthalate	149		12.976					
196 3,3'-Dichlorobenzidine	252		13.430					
197 Benzo[a]anthracene	228		13.452					
198 Bis(2-ethylhexyl) phthalate	149		13.468					
199 Chrysene	228		13.484					
201 Di-n-octyl phthalate	149		14.002					
203 Benzo[b]fluoranthene	252		14.344					
204 Benzo[k]fluoranthene	252		14.371					
206 Benzo[a]pyrene	252		14.622					
208 Indeno[1,2,3-cd]pyrene	276		15.674					
209 Dibenz(a,h)anthracene	278		15.680					
210 Benzo[g,h,i]perylene	276		15.957					

TestAmerica Laboratories
Tentatively Identified Quantitation Report

Data File:	\\Bufchrom\ChromData\HP5973X\20120405-10764.b\X4945.D		
Lims ID:	480-18068-B-17-A	Client ID:	EQUIPMENT BLANK
Inject. Date:	06-Apr-2012 11:16:30	Dil. Factor:	1.0000
Sample Type:	Client		
Sample ID:	480-0010764-030		
Misc. Info.:			
Operator:	RMM	Instrument ID:	HP5973X
Vol. Injected:	1.0000	ALS Bottle#:	62
Lims Batch ID:	58387	Lims Sample ID:	30
Detector:	MS SCAN		
Method:	\\Bufchrom\ChromData\HP5973X\20120405-10764.b\X-8270.m		
Last Update:	06-Apr-2012 11:38:18	Calib Date:	03-Apr-2012 15:26:30
Tic RT Window:	1.500 -0.000	Response:	area
Quant By:	Nearest ISTD	Quant LOD:	10.00000
MS Library:	\\Bufchrom\ChromData\Database\NIST98.L		
Min. Match:	85		
Process Host:	CORP-CTX-19		
First Level Reviewer: mckernar		Date:	06-Apr-2012 11:38:18

Tentative Identified Compound Results

RT	Response	Amount ng/uL	Quant Cpnd	Qual	Lib Entry	Flags
106-42-3 p-Xylene						
4.236	46214	4.31	1	86	117402	
Unknown						
12.763	66584	4.97	5			
Unknown						
13.067	76315	5.69	5			
Unknown						
13.532	121004	9.03	5			
Unknown						
13.799	80310	5.99	5			
Unknown						
14.125	85005	6.29	6			
Unknown						
14.243	144783	10.7	6			
Unknown						
14.990	152056	11.3	6			

Quantitation Compounds

Compound	RT	Response	Amount ng/uL
* 1 1,4-Dichlorobenzene-d4	5.818	429209	40.0
* 5 Chrysene-d12	13.447	536211	40.0
* 6 Perylene-d12	14.654	540308	40.0

QC Flag Legend

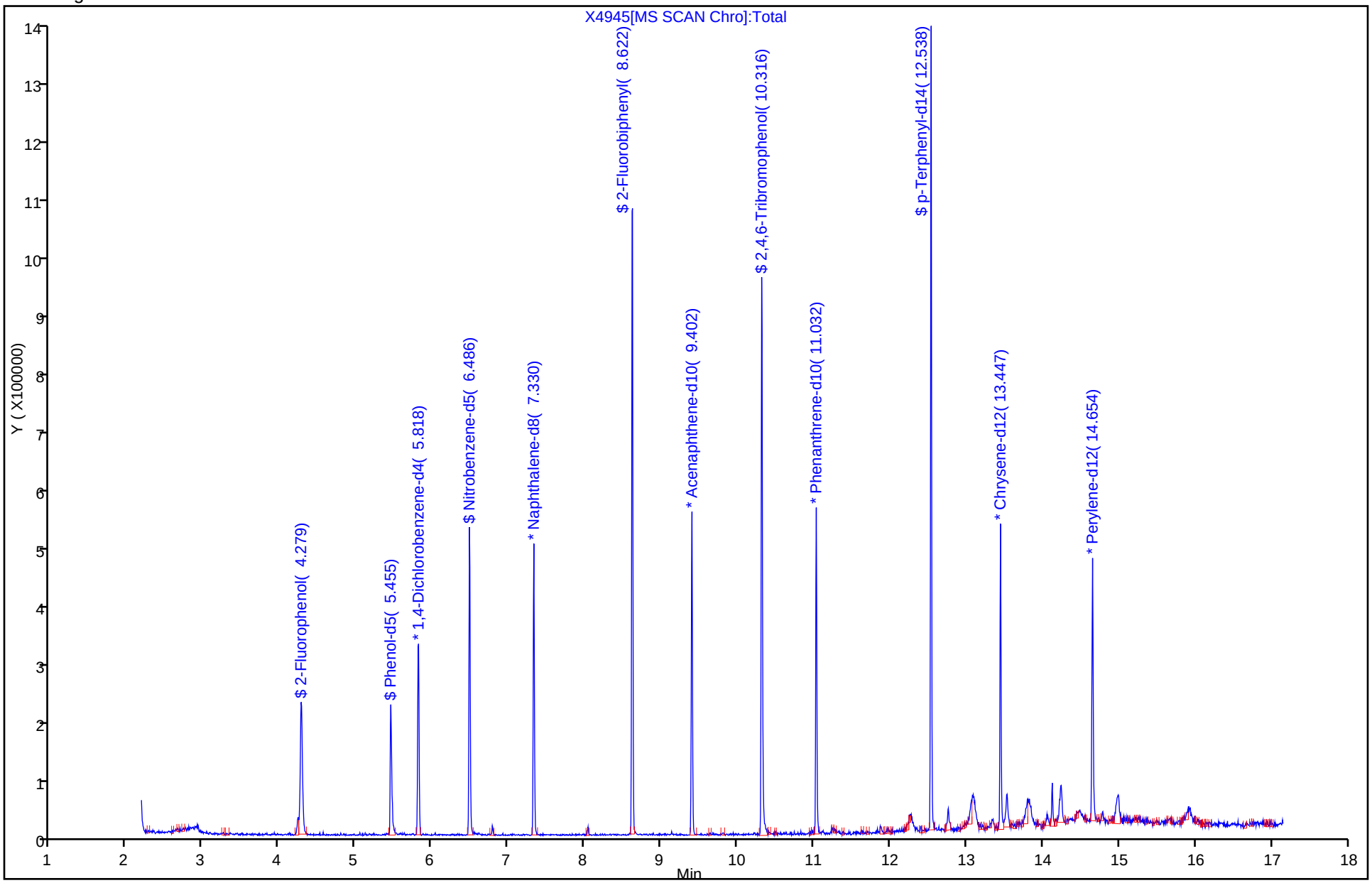
Processing Flags

Report Date: 06-Apr-2012 11:38:18 Chrom Revision: 2.0 20-Feb-2012 13:27:02

Data File: \\Bufchrom\ChromData\HP5973X\20120405-10764.b\X4945.D

Injection Date:	06-Apr-2012 11:16:30	Limit Group:	MB - 8270C ICAL
Client ID:	EQUIPMENT BLANK	Instrument ID:	HP5973X
Lims Batch ID:	58387	Lims Sample ID:	30
Operator ID:	RMM	Injection Vol:	1.00 ul
Column Type:	RXI-5Sil MS	Column Dia:	0.25 mm

Y Scaling:

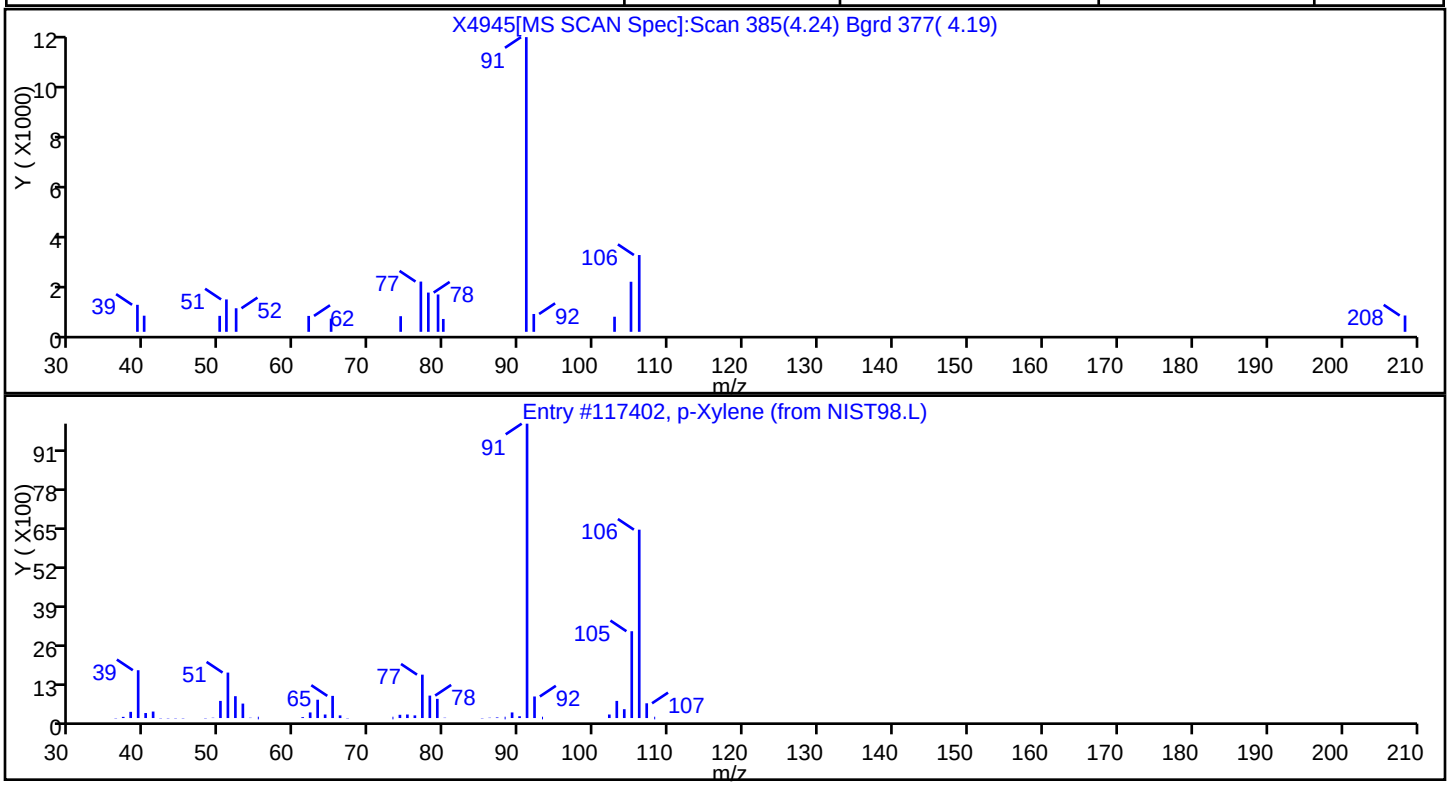


Report Date: 06-Apr-2012 11:38:18 Chrom Revision: 2.0 20-Feb-2012 13:27:02

Data File: \\Bufchrom\ChromData\HP5973X\20120405-10764.b\X4945.D

Injection Date:	06-Apr-2012 11:16:30	Limit Group:	MB - 8270C ICAL
Client ID:	EQUIPMENT BLANK	Instrument ID:	HP5973X
Lims Batch ID:	58387	Lims Sample ID:	30
Operator ID:	RMM	Injection Vol:	1.00 ul
Column Type:	RXI-5Sil MS	Column Dia:	0.25 mm

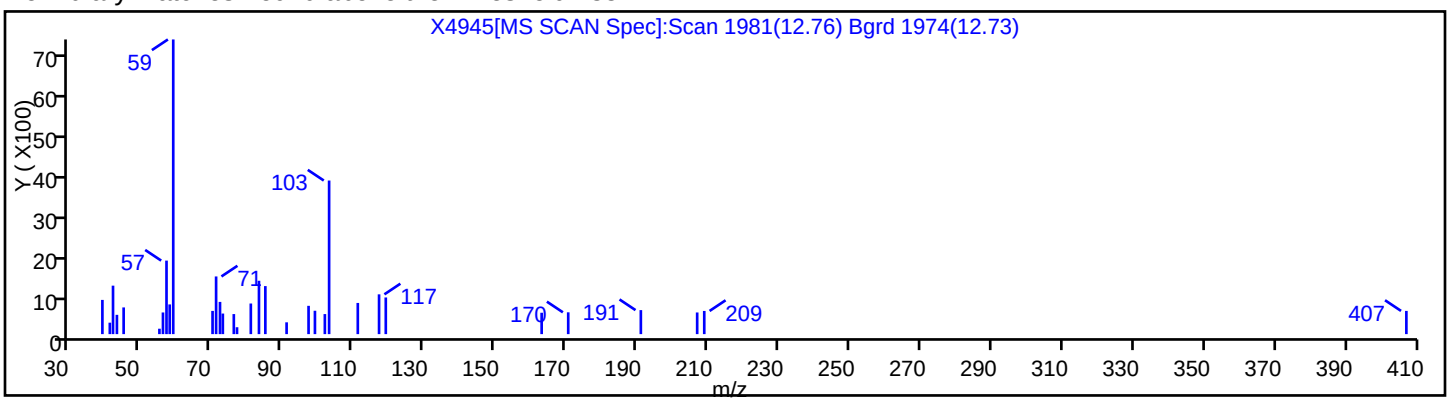
Library Search Compound Match	CAS Number	Library	Entry	Quality
p-Xylene	106-42-3	NIST98.L	117402	86



Report Date: 06-Apr-2012 11:38:18 Chrom Revision: 2.0 20-Feb-2012 13:27:02

Data File:	\\Bufchrom\ChromData\HP5973X\20120405-10764.b\X4945.D		
Injection Date:	06-Apr-2012 11:16:30	Limit Group:	MB - 8270C ICAL
Client ID:	EQUIPMENT BLANK	Instrument ID:	HP5973X
Lims Batch ID:	58387	Lims Sample ID:	30
Operator ID:	RMM	Injection Vol:	1.00 ul
Column Type:	RXI-5Sil MS	Column Dia:	0.25 mm

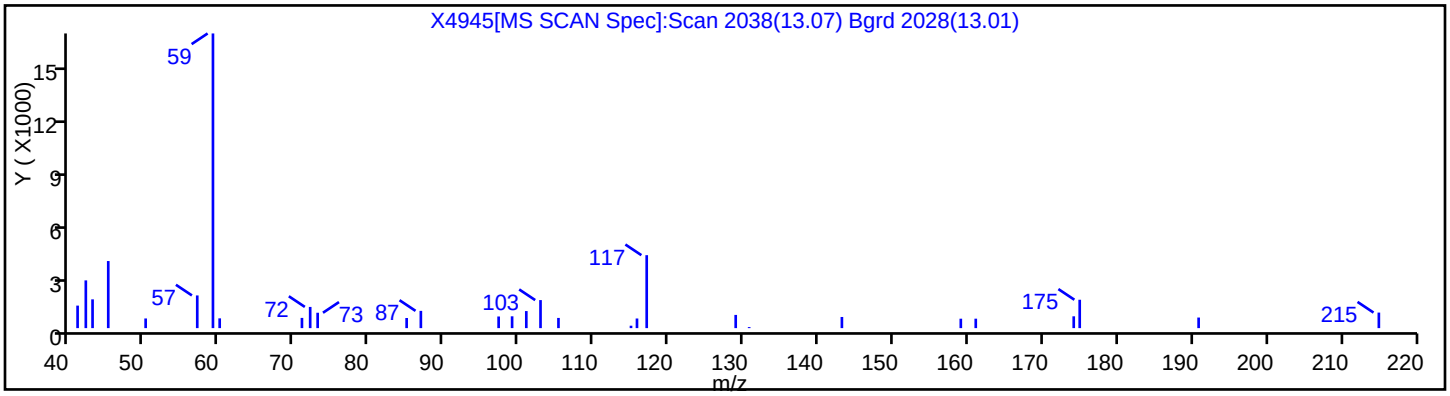
No Library Matches Found above the Threshold: 85



Report Date: 06-Apr-2012 11:38:18 Chrom Revision: 2.0 20-Feb-2012 13:27:02

Data File:	\\Bufchrom\ChromData\HP5973X\20120405-10764.b\X4945.D		
Injection Date:	06-Apr-2012 11:16:30	Limit Group:	MB - 8270C ICAL
Client ID:	EQUIPMENT BLANK	Instrument ID:	HP5973X
Lims Batch ID:	58387	Lims Sample ID:	30
Operator ID:	RMM	Injection Vol:	1.00 ul
Column Type:	RXI-5Sil MS	Column Dia:	0.25 mm

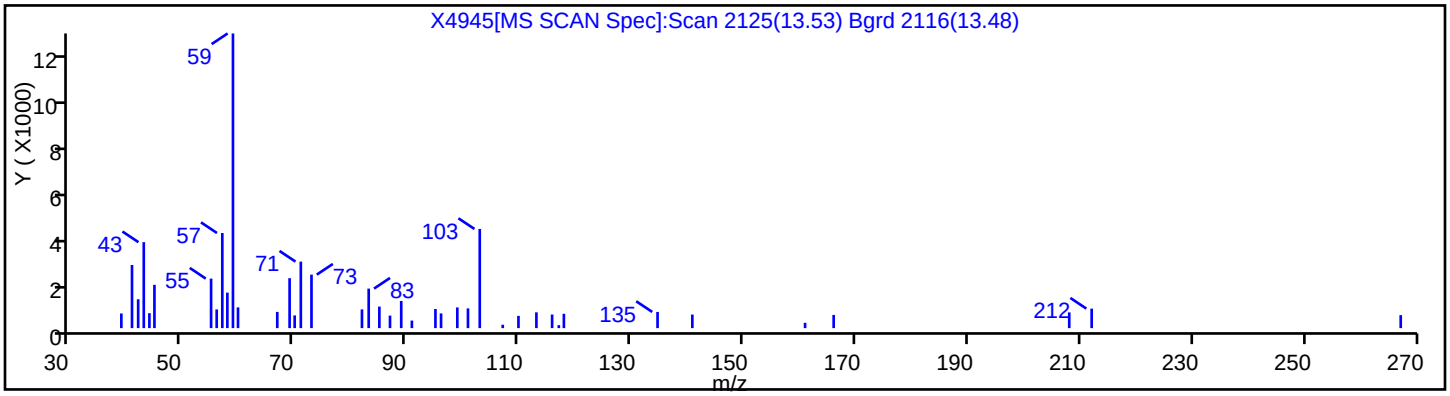
No Library Matches Found above the Threshold: 85



Report Date: 06-Apr-2012 11:38:18 Chrom Revision: 2.0 20-Feb-2012 13:27:02

Data File:	\\Bufchrom\ChromData\HP5973X\20120405-10764.b\X4945.D		
Injection Date:	06-Apr-2012 11:16:30	Limit Group:	MB - 8270C ICAL
Client ID:	EQUIPMENT BLANK	Instrument ID:	HP5973X
Lims Batch ID:	58387	Lims Sample ID:	30
Operator ID:	RMM	Injection Vol:	1.00 ul
Column Type:	RXI-5Sil MS	Column Dia:	0.25 mm

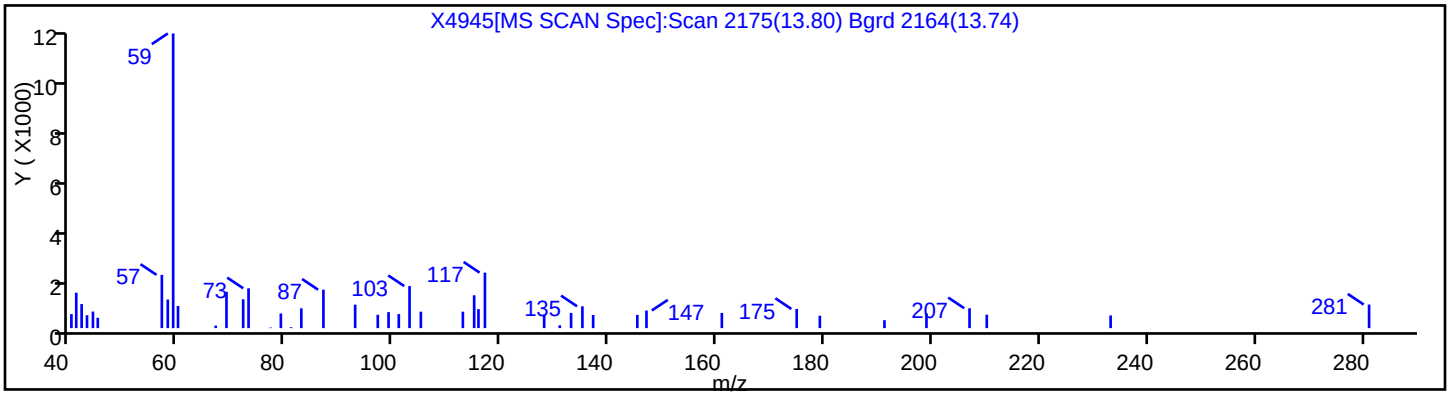
No Library Matches Found above the Threshold: 85



Report Date: 06-Apr-2012 11:38:18 Chrom Revision: 2.0 20-Feb-2012 13:27:02

Data File:	\\Bufchrom\ChromData\HP5973X\20120405-10764.b\X4945.D		
Injection Date:	06-Apr-2012 11:16:30	Limit Group:	MB - 8270C ICAL
Client ID:	EQUIPMENT BLANK	Instrument ID:	HP5973X
Lims Batch ID:	58387	Lims Sample ID:	30
Operator ID:	RMM	Injection Vol:	1.00 ul
Column Type:	RXI-5Sil MS	Column Dia:	0.25 mm

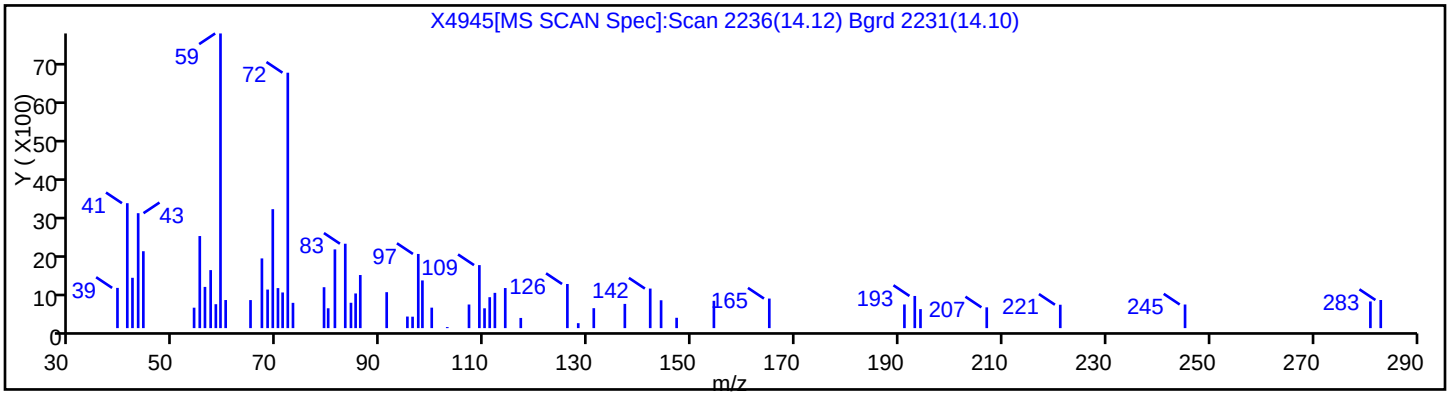
No Library Matches Found above the Threshold: 85



Report Date: 06-Apr-2012 11:38:18 Chrom Revision: 2.0 20-Feb-2012 13:27:02

Data File:	\\Bufchrom\ChromData\HP5973X\20120405-10764.b\X4945.D		
Injection Date:	06-Apr-2012 11:16:30	Limit Group:	MB - 8270C ICAL
Client ID:	EQUIPMENT BLANK	Instrument ID:	HP5973X
Lims Batch ID:	58387	Lims Sample ID:	30
Operator ID:	RMM	Injection Vol:	1.00 ul
Column Type:	RXI-5Sil MS	Column Dia:	0.25 mm

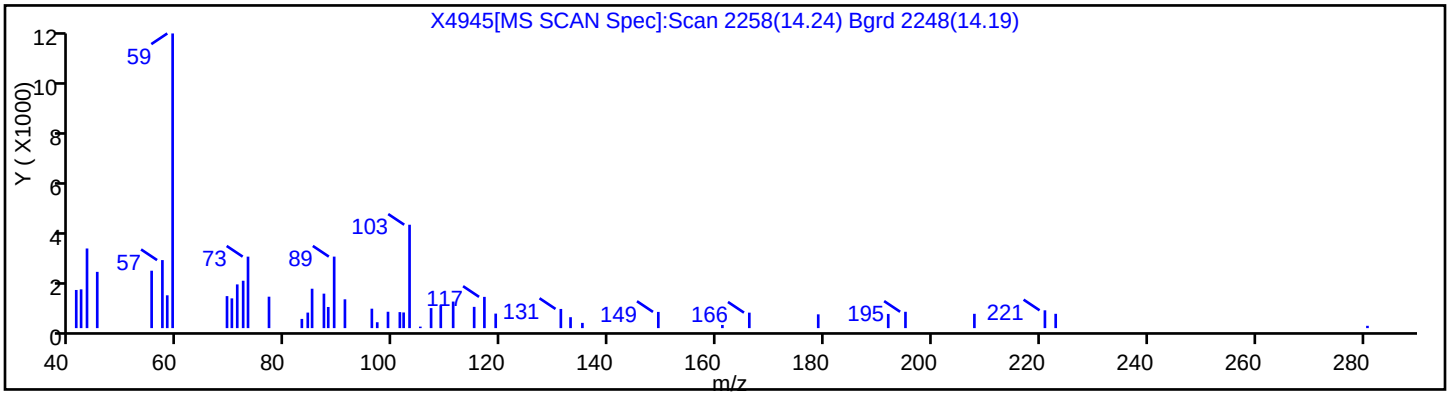
No Library Matches Found above the Threshold: 85



Report Date: 06-Apr-2012 11:38:18 Chrom Revision: 2.0 20-Feb-2012 13:27:02

Data File:	\\Bufchrom\ChromData\HP5973X\20120405-10764.b\X4945.D		
Injection Date:	06-Apr-2012 11:16:30	Limit Group:	MB - 8270C ICAL
Client ID:	EQUIPMENT BLANK	Instrument ID:	HP5973X
Lims Batch ID:	58387	Lims Sample ID:	30
Operator ID:	RMM	Injection Vol:	1.00 ul
Column Type:	RXI-5Sil MS	Column Dia:	0.25 mm

No Library Matches Found above the Threshold: 85

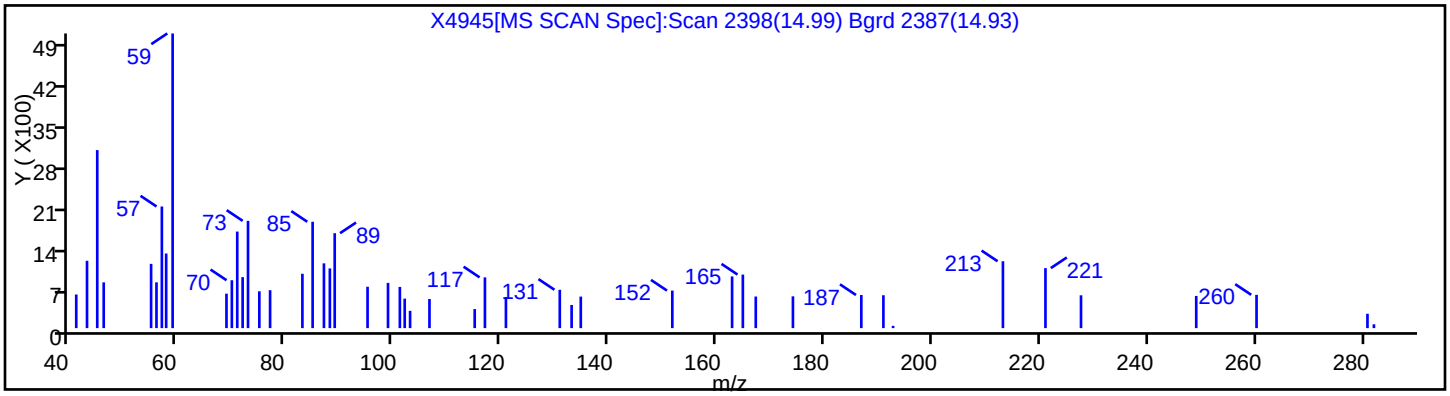


Report Date: 06-Apr-2012 11:38:18 Chrom Revision: 2.0 20-Feb-2012 13:27:02

Data File: \\Bufchrom\ChromData\HP5973X\20120405-10764.b\X4945.D

Injection Date:	06-Apr-2012 11:16:30	Limit Group:	MB - 8270C ICAL
Client ID:	EQUIPMENT BLANK	Instrument ID:	HP5973X
Lims Batch ID:	58387	Lims Sample ID:	30
Operator ID:	RMM	Injection Vol:	1.00 ul
Column Type:	RXI-5Sil MS	Column Dia:	0.25 mm

No Library Matches Found above the Threshold: 85



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

Lab Name: TestAmerica Buffalo Job No.: 480-18068-1 Analy Batch No.: 53517

SDG No.:

Instrument ID: HP5973X GC Column: RXI-5Sil MS ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 03/01/2012 14:12 Calibration End Date: 03/01/2012 16:13 Calibration ID: 6188

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 480-53517/2	X3775.D
Level 2	IC 480-53517/3	X3776.D
Level 3	ICIS 480-53517/4	X3777.D
Level 4	IC 480-53517/5	X3778.D
Level 5	IC 480-53517/6	X3779.D
Level 6	IC 480-53517/7	X3780.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								
Benzaldehyde	1.0396 0.9949	1.1268	1.1266	1.1010	0.9885	Ave		1.0629				6.0		15.0			
Acetophenone	1.8340 1.7507	1.9881	1.9484	1.9288	1.7701	Ave		1.8700				5.3		15.0			
Caprolactam	0.0512 0.0958	0.0679	0.0922	0.0992	0.0993	Lin1	-0.306	0.0994							0.9970		0.9900
1,2,4,5-Tetrachlorobenzene	0.4785 0.4374	0.4969	0.4930	0.4773	0.4429	Ave		0.4710				5.3		15.0			
Biphenyl	1.3863 1.2249	1.4005	1.3610	1.3372	1.2450	Ave		1.3258				5.6		15.0			
2,3,4,6-Tetrachlorophenol	0.1966 0.2528	0.2575	0.2697	0.2697	0.2500	Ave		0.2494				11.0		15.0			
Atrazine	0.2340 0.2987	0.3259	0.3273	0.3176	0.3066	Ave		0.3017				12.0		15.0			

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

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

Lab Name: TestAmerica Buffalo Job No.: 480-18068-1 Analy Batch No.: 53517

SDG No.:

Instrument ID: HP5973X GC Column: RXI-5Sil MS ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 03/01/2012 14:12 Calibration End Date: 03/01/2012 16:13 Calibration ID: 6188

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 480-53517/2	X3775.D
Level 2	IC 480-53517/3	X3776.D
Level 3	ICIS 480-53517/4	X3777.D
Level 4	IC 480-53517/5	X3778.D
Level 5	IC 480-53517/6	X3779.D
Level 6	IC 480-53517/7	X3780.D

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (NG/UL)				
			LVL 1 LVL 6	LVL 2	LVL 3	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2	LVL 3	LVL 4	LVL 5
Benzaldehyde	DCB	Ave	18063 632636	88742	195969	352827	497033	5.00 160	20.0	50.0	80.0	120
Acetophenone	DCB	Ave	31866 1113263	156577	338919	618081	890015	5.00 160	20.0	50.0	80.0	120
Caprolactam	NPT	Lin1	3600 236382	21339	64524	125230	193124	5.00 160	20.0	50.0	80.0	120
1,2,4,5-Tetrachlorobenzene	ANT	Ave	19488 643398	91661	203903	361097	509591	5.00 160	20.0	50.0	80.0	120
Biphenyl	ANT	Ave	56465 1801887	258321	562902	1011684	1432333	5.00 160	20.0	50.0	80.0	120
2,3,4,6-Tetrachlorophenol	ANT	Ave	8007 371848	47495	111565	204069	287674	5.00 160	20.0	50.0	80.0	120
Atrazine	ANT	Ave	9531 439332	60115	135356	240317	352743	5.00 160	20.0	50.0	80.0	120

Curve Type Legend:

Ave = Average ISTD
Lin1 = Linear 1/conc ISTD

TestAmerica Laboratories
Target Compound Quantitation Report

Data File:	\\Bufchrom\ChromData\HP5973X\20120301-9891.b\X3775.D		
Lims ID:	IC - TADDS 5	Client ID:	
Inject. Date:	01-Mar-2012 14:12:30	Dil. Factor:	1.0000
Sample Type:	IC	Calib Level:	1
Sample ID:	5 TCL		
Misc. Info.:	5 PT		
Operator:	RMM	Instrument ID:	HP5973X
Vol. Injected:	1.0000	ALS Bottle#:	31
Lims Batch ID:	53517	Lims Sample ID:	2
Sublist:	chrom-X-8270*sub4		
Detector:	MS SCAN		
Method:	\\Bufchrom\ChromData\HP5973X\20120301-9891.b\X-8270.m		
Last Update:	01-Mar-2012 15:33:25	Calib Date:	01-Mar-2012 15:03:30
Quant Method:	Internal Standard	Quant By:	Initial Calibration
Last ICal File:	\\Bufchrom\ChromData\HP5973X\20120301-9891.b\X3777.D		
Limit Group:	MB - 8270C ICAL		
Integrator:	RTE	ID Type:	Deconvolution ID
Process Host:	CORP-CTX-16		
First Level Reviewer: pfenderk		Date:	01-Mar-2012 15:33:25

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ng/uL	Flags
* 1 1,4-Dichlorobenzene-d4	152	5.898	5.898	0.0	94	139001	40.0	
* 2 Naphthalene-d8	136	7.399	7.399	0.0	90	562769	40.0	
* 3 Acenaphthene-d10	164	9.466	9.467	-0.001	52	325848	40.0	
* 4 Phenanthrene-d10	188	11.096	11.091	0.005	99	530048	40.0	
* 5 Chrysene-d12	240	13.505	13.500	0.005	99	502595	40.0	
* 6 Perylene-d12	264	14.723	14.718	0.005	99	555588	40.0	
62 Benzaldehyde	77	5.380	5.385	-0.005	76	18063	4.74	
76 Acetophenone	105	6.384	6.384	0.0	86	31866	4.77	
105 Caprolactam	113	7.987	7.987	0.0	1	3600	3.63	M
117 1,2,4,5-Tetrachlorobenzene	216	8.435	8.435	0.0	80	19488	4.89	
123 1,1'-Biphenyl	154	8.799	8.799	0.0	94	56465	5.01	
140 2,3,4,6-Tetrachlorophenol	232	9.878	9.878	0.0	17	8007	4.07	
163 Atrazine	200	10.850	10.845	0.005	60	9531	3.96	

QC Flag Legend

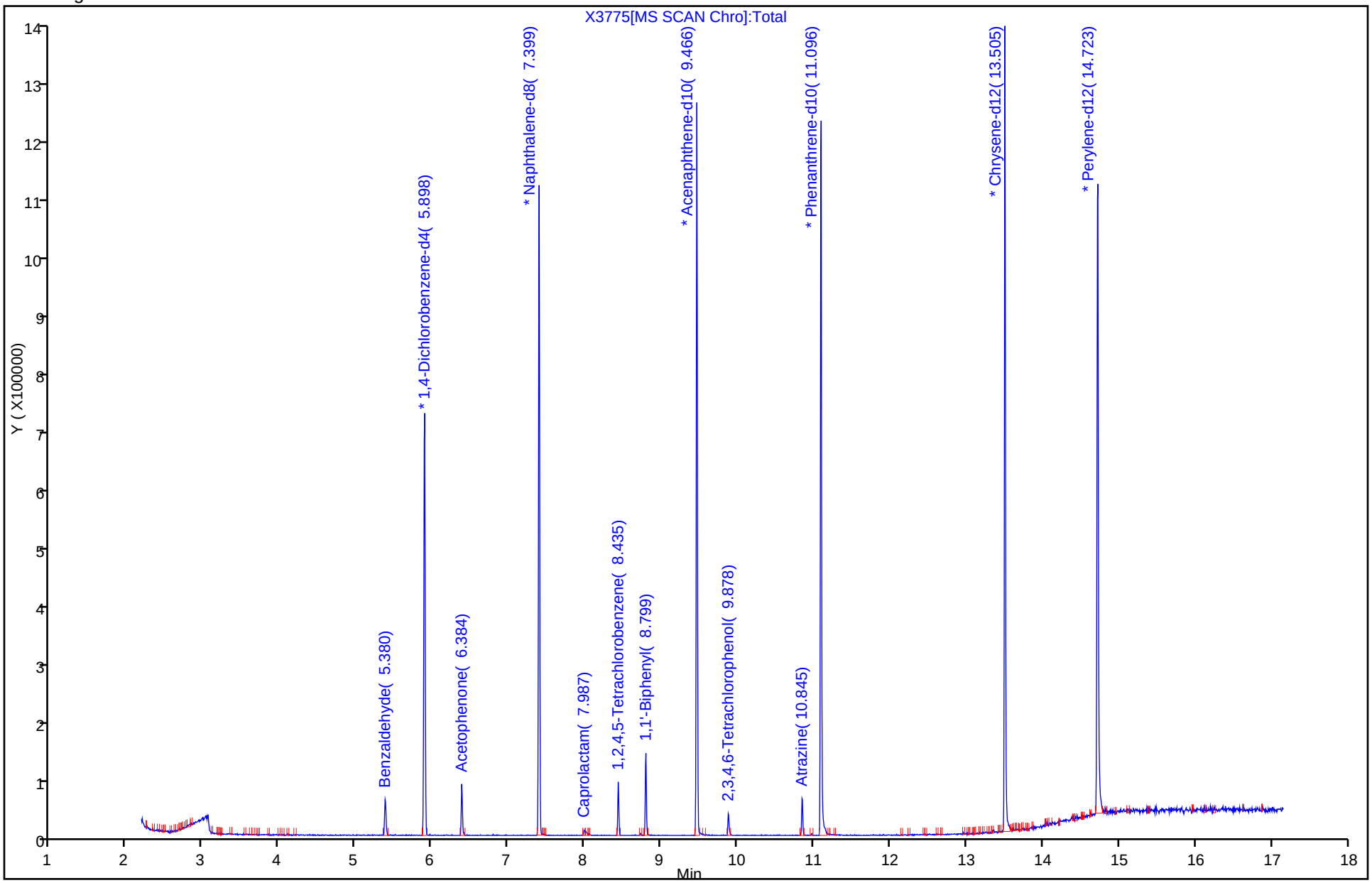
Review Flags
M - Manually Integrated

Report Date: 01-Mar-2012 15:33:26 Chrom Revision: 2.0 20-Feb-2012 13:27:02

Data File: \\Bufchrom\ChromData\HP5973X\20120301-9891.b\X3775.D

Injection Date:	01-Mar-2012 14:12:30	Limit Group:	MB - 8270C ICAL
Client ID:		Instrument ID:	HP5973X
Lims Batch ID:	53517	Lims Sample ID:	2
Operator ID:	RMM	Injection Vol:	1.00 ul
Column Type:	RXI-5Sil MS	Column Dia:	0.25 mm

Y Scaling:



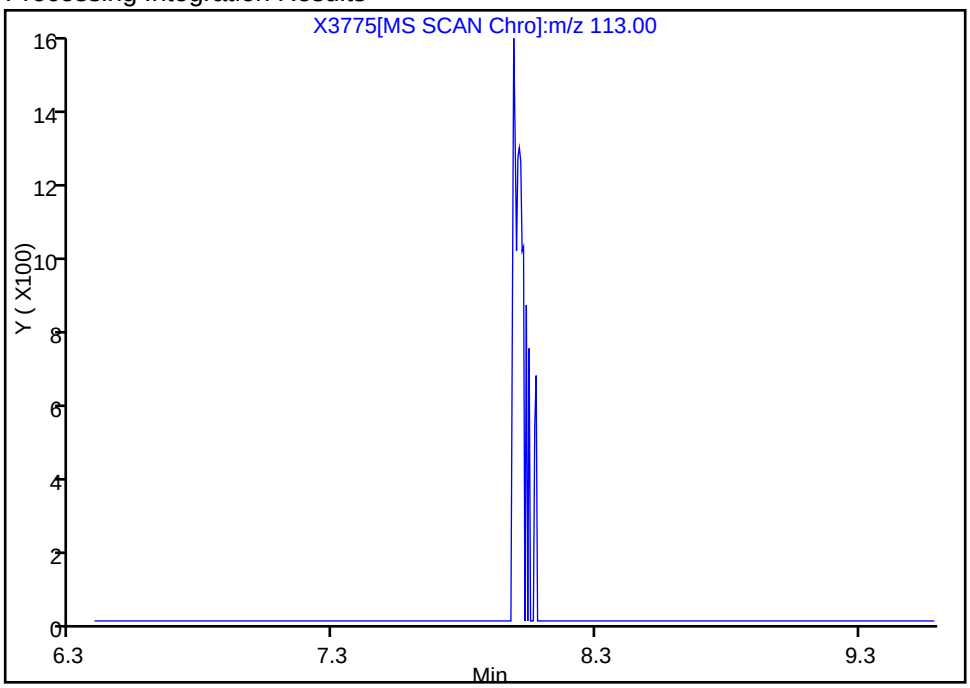
Manual Integration/User Assign Peak Report

Data File:	\\Bufchrom\ChromData\HP5973X\20120301-9891.b\X3775.D		
Injection Date:	01-Mar-2012 14:12:30	Limit Group:	MB - 8270C ICAL
Client ID:		Instrument ID:	HP5973X
Lims Batch ID:	53517	Lims Sample ID:	2
Operator ID:	RMM	Injection Vol:	1.00 ul
Column Type:	RXI-5Sil MS	Column Dia:	0.25 mm

105 Caprolactam, Signal: 1, m/z: 113.0 Type: quant, RT: 7.99

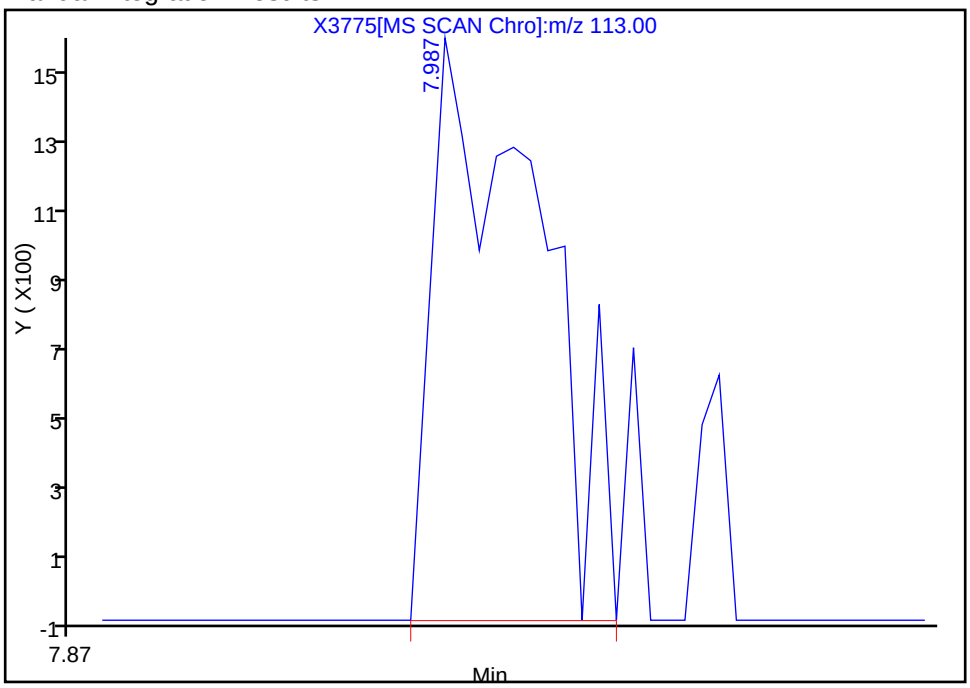
Not Detected
Expected RT: 7.99

Processing Integration Results



Manual Integration Results

RT: 7.99
Response: 3600
Amount: 3.634196



Reviewer: pfenderk, 01-Mar-2012 15:33:25
Audit Action: Manually Integrated
Audit Reason: Assign Peak

TestAmerica Laboratories
Target Compound Quantitation Report

Data File:	\\Bufchrom\ChromData\HP5973X\20120301-9891.b\X3776.D		
Lims ID:	IC - TADDS 20	Client ID:	
Inject. Date:	01-Mar-2012 14:35:30	Dil. Factor:	1.0000
Sample Type:	IC	Calib Level:	2
Sample ID:	20 TCL		
Misc. Info.:	20 PT		
Operator:	RMM	Instrument ID:	HP5973X
Vol. Injected:	1.0000	ALS Bottle#:	32
Lims Batch ID:	53517	Lims Sample ID:	3
Sublist:	chrom-X-8270*sub4		
Detector:	MS SCAN		
Method:	\\Bufchrom\ChromData\HP5973X\20120301-9891.b\X-8270.m		
Last Update:	01-Mar-2012 15:49:59	Calib Date:	01-Mar-2012 15:26:30
Quant Method:	Internal Standard	Quant By:	Initial Calibration
Last ICal File:	\\Bufchrom\ChromData\HP5973X\20120301-9891.b\X3778.D		
Limit Group:	MB - 8270C ICAL		
Integrator:	RTE	ID Type:	Deconvolution ID
Process Host:	CORP-CTX-16		
First Level Reviewer: pfenderk		Date:	01-Mar-2012 15:49:59

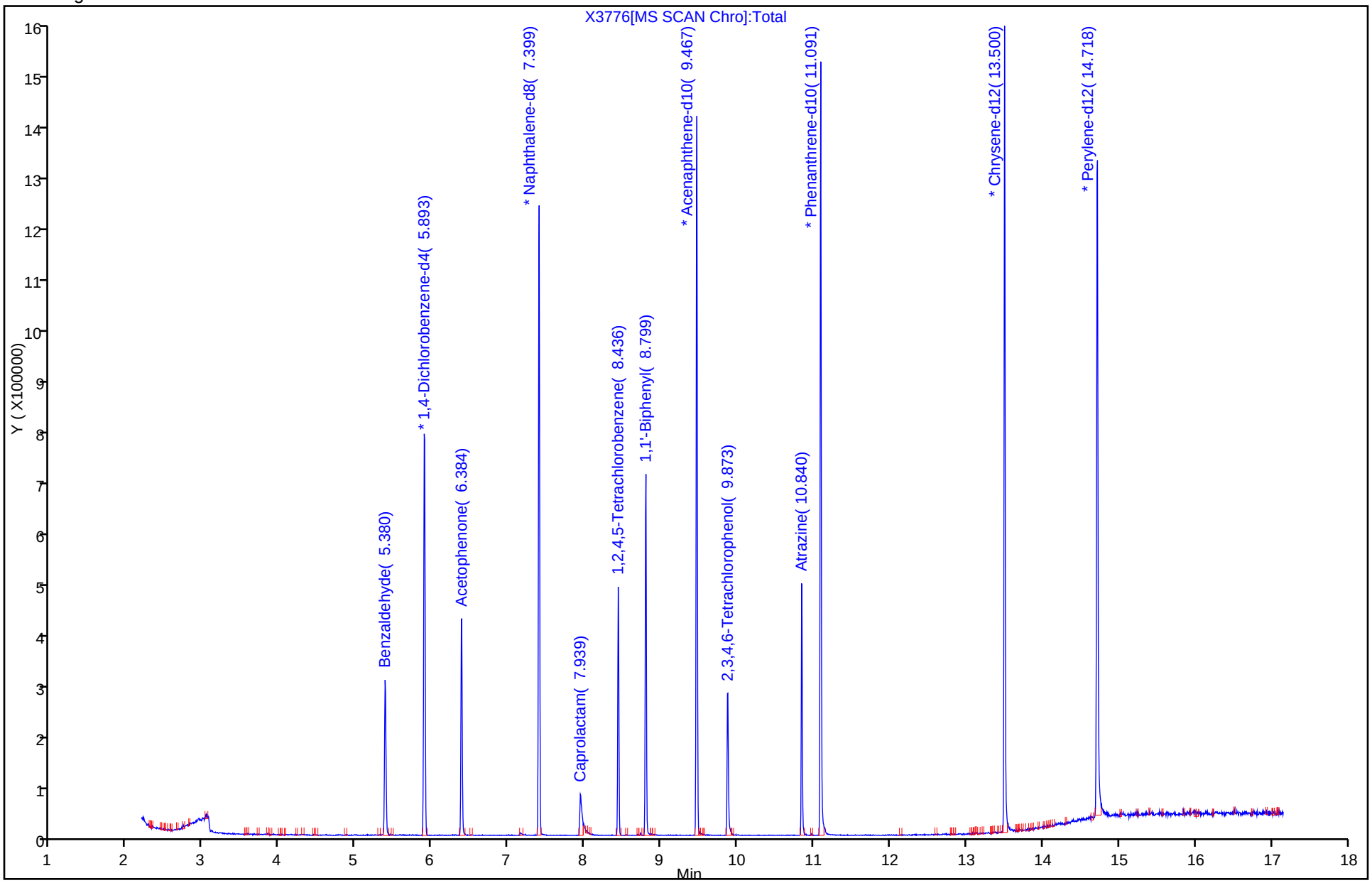
Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ng/uL	Flags
* 1 1,4-Dichlorobenzene-d4	152	5.893	5.898	-0.005	96	157513	40.0	
* 2 Naphthalene-d8	136	7.399	7.399	0.0	93	628878	40.0	
* 3 Acenaphthene-d10	164	9.467	9.467	0.0	60	368909	40.0	
* 4 Phenanthrene-d10	188	11.091	11.091	0.0	99	603944	40.0	
* 5 Chrysene-d12	240	13.500	13.500	0.0	99	568002	40.0	
* 6 Perylene-d12	264	14.718	14.718	0.0	99	656691	40.0	
62 Benzaldehyde	77	5.380	5.385	-0.005	89	88742	20.5	
76 Acetophenone	105	6.384	6.384	0.0	93	156577	20.7	
105 Caprolactam	113	7.939	7.987	-0.048	76	21339	17.5	
117 1,2,4,5-Tetrachlorobenzene	216	8.436	8.435	0.001	99	91661	20.4	
123 1,1'-Biphenyl	154	8.799	8.799	0.0	99	258321	20.4	
140 2,3,4,6-Tetrachlorophenol	232	9.873	9.878	-0.005	94	47495	20.7	
163 Atrazine	200	10.840	10.845	-0.005	95	60115	21.6	

Report Date: 01-Mar-2012 15:49:59 Chrom Revision: 2.0 20-Feb-2012 13:27:02

Data File: \\Bufchrom\ChromData\HP5973X\20120301-9891.b\X3776.D

Injection Date:	01-Mar-2012 14:35:30	Limit Group:	MB - 8270C ICAL
Client ID:		Instrument ID:	HP5973X
Lims Batch ID:	53517	Lims Sample ID:	3
Operator ID:	RMM	Injection Vol:	1.00 ul
Column Type:	RXI-5Sil MS	Column Dia:	0.25 mm

Y Scaling:



TestAmerica Laboratories
Target Compound Quantitation Report

Data File:	\\Bufchrom\ChromData\HP5973X\20120301-9891.b\X3777.D		
Lims ID:	ICIS - TADDS 50	Client ID:	
Inject. Date:	01-Mar-2012 15:03:30	Dil. Factor:	1.0000
Sample Type:	ICIS	Calib Level:	3
Sample ID:	480-0009891-004		
Misc. Info.:	ICIS - TADDS 50		
Operator:	RMM	Instrument ID:	HP5973X
Vol. Injected:	1.0000	ALS Bottle#:	33
Lims Batch ID:	53517	Lims Sample ID:	4
Sublist:	chrom-X-8270*sub4		
Detector:	MS SCAN		
Method:	\\Bufchrom\ChromData\HP5973X\20120301-9891.b\X-8270.m		
Last Update:	01-Mar-2012 15:32:29	Calib Date:	01-Mar-2012 15:03:30
Quant Method:	Internal Standard	Quant By:	Initial Calibration
Last ICal File:	\\Bufchrom\ChromData\HP5973X\20120301-9891.b\X3777.D		
Limit Group:	MB - 8270C ICAL		
Integrator:	RTE	ID Type:	Deconvolution ID
Process Host:	CORP-CTX-16		
First Level Reviewer: pfenderk		Date:	01-Mar-2012 15:32:29

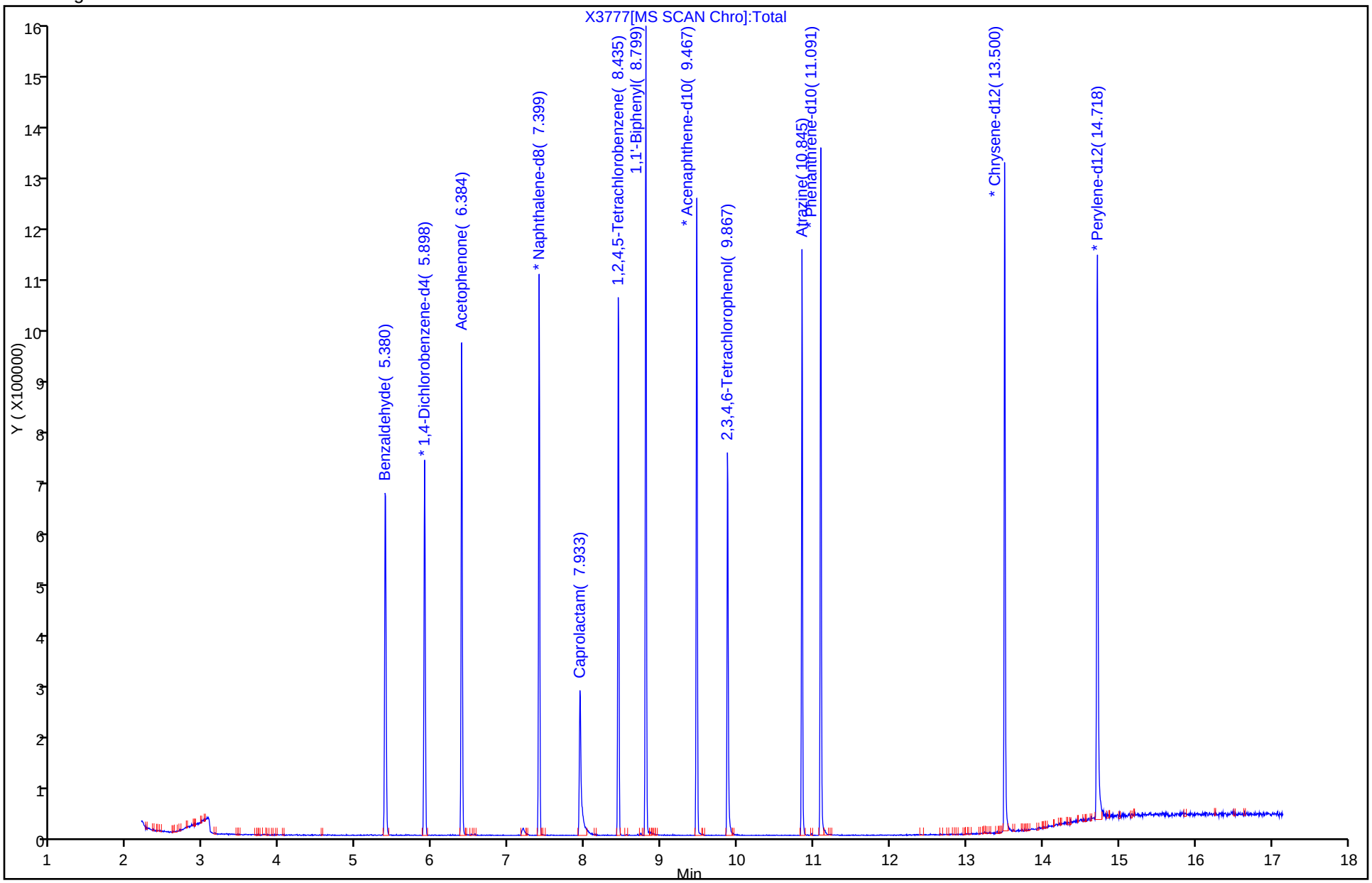
Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ng/uL	Flags
* 1 1,4-Dichlorobenzene-d4	152	5.898	5.898	0.0	94	139158	40.0	
* 2 Naphthalene-d8	136	7.399	7.399	0.0	90	559948	40.0	
* 3 Acenaphthene-d10	164	9.467	9.467	0.0	53	330875	40.0	
* 4 Phenanthrene-d10	188	11.091	11.091	0.0	99	527735	40.0	
* 5 Chrysene-d12	240	13.500	13.500	0.0	99	520652	40.0	
* 6 Perylene-d12	264	14.718	14.718	0.0	99	564409	40.0	
62 Benzaldehyde	77	5.385	5.385	0.0	85	195969	51.3	
76 Acetophenone	105	6.384	6.384	0.0	94	338919	50.6	
105 Caprolactam	113	7.939	7.939	0.0	88	64524	57.6	
117 1,2,4,5-Tetrachlorobenzene	216	8.435	8.435	0.0	99	203903	50.4	
123 1,1'-Biphenyl	154	8.799	8.799	0.0	99	562902	49.2	
140 2,3,4,6-Tetrachlorophenol	232	9.867	9.867	0.0	97	111565	51.2	
163 Atrazine	200	10.845	10.845	0.0	93	135356	55.3	

Report Date: 01-Mar-2012 15:32:30 Chrom Revision: 2.0 20-Feb-2012 13:27:02

Data File: \\Bufchrom\ChromData\HP5973X\20120301-9891.b\X3777.D

Injection Date:	01-Mar-2012 15:03:30	Limit Group:	MB - 8270C ICAL
Client ID:		Instrument ID:	HP5973X
Lims Batch ID:	53517	Lims Sample ID:	4
Operator ID:	RMM	Injection Vol:	1.00 ul
Column Type:	RXI-5Sil MS	Column Dia:	0.25 mm

Y Scaling:



TestAmerica Laboratories
Target Compound Quantitation Report

Data File:	\\Bufchrom\ChromData\HP5973X\20120301-9891.b\X3778.D		
Lims ID:	IC - TADDS 80	Client ID:	
Inject. Date:	01-Mar-2012 15:26:30	Dil. Factor:	1.0000
Sample Type:	IC	Calib Level:	4
Sample ID:	480-0009891-005		
Misc. Info.:	IC - TADDS 80		
Operator:	RMM	Instrument ID:	HP5973X
Vol. Injected:	1.0000	ALS Bottle#:	34
Lims Batch ID:	53517	Lims Sample ID:	5
Sublist:	chrom-X-8270*sub4		
Detector:	MS SCAN		
Method:	\\Bufchrom\ChromData\HP5973X\20120301-9891.b\X-8270.m		
Last Update:	01-Mar-2012 15:50:27	Calib Date:	01-Mar-2012 15:26:30
Quant Method:	Internal Standard	Quant By:	Initial Calibration
Last ICal File:	\\Bufchrom\ChromData\HP5973X\20120301-9891.b\X3778.D		
Limit Group:	MB - 8270C ICAL		
Integrator:	RTE	ID Type:	Deconvolution ID
Process Host:	CORP-CTX-16		
First Level Reviewer: pfenderk		Date:	01-Mar-2012 15:50:27

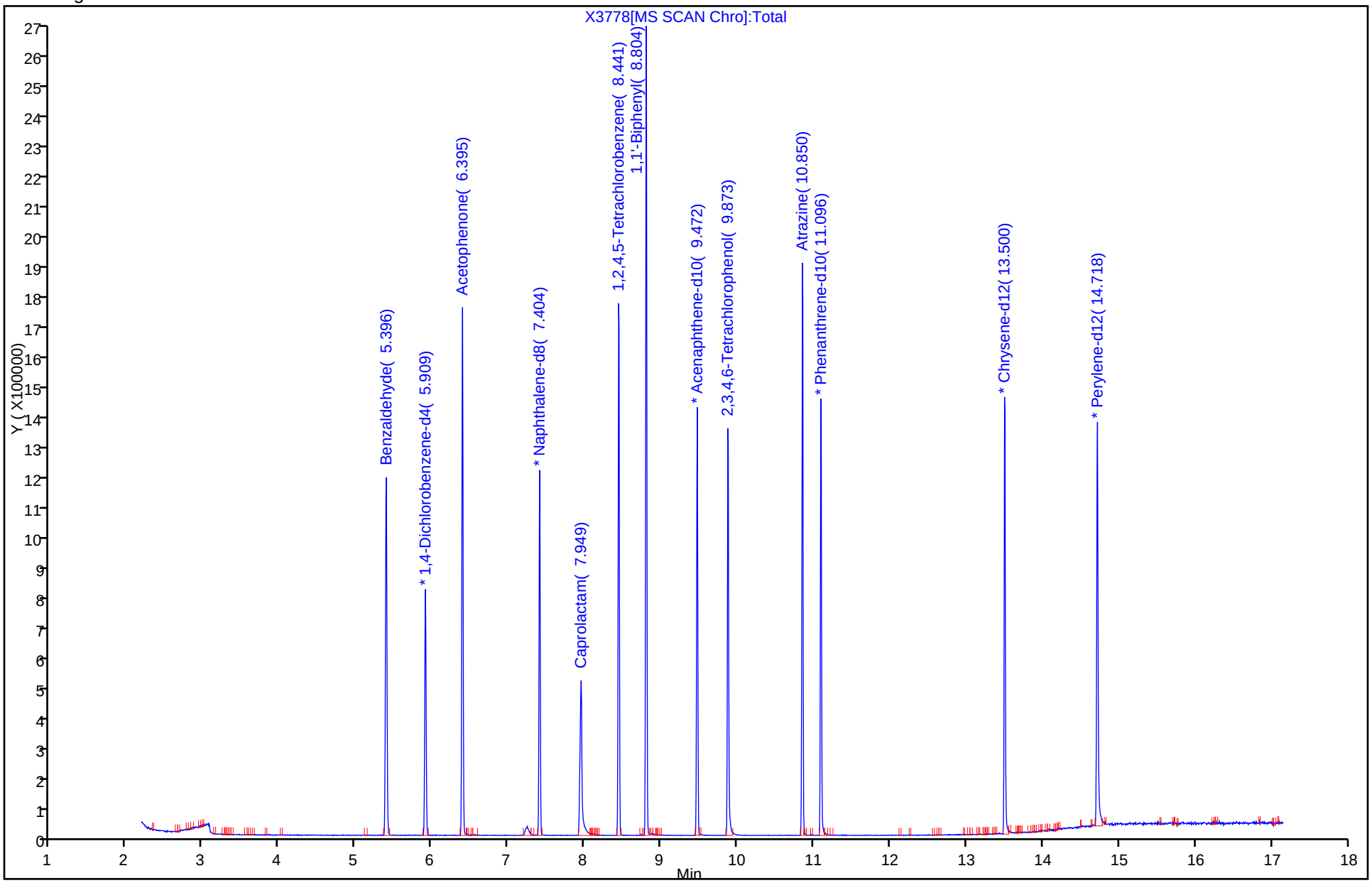
Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ng/uL	Flags
* 1 1,4-Dichlorobenzene-d4	152	5.909	5.898	0.011	94	160225	40.0	
* 2 Naphthalene-d8	136	7.404	7.399	0.005	93	631218	40.0	
* 3 Acenaphthene-d10	164	9.472	9.467	0.005	57	378290	40.0	
* 4 Phenanthrene-d10	188	11.091	11.091	0.0	99	615194	40.0	
* 5 Chrysene-d12	240	13.500	13.500	0.0	99	579910	40.0	
* 6 Perylene-d12	264	14.718	14.718	0.0	99	667550	40.0	
62 Benzaldehyde	77	5.396	5.385	0.011	86	352827	80.2	
76 Acetophenone	105	6.395	6.384	0.011	93	618081	80.2	
105 Caprolactam	113	7.949	7.987	-0.038	87	125230	102.3	
117 1,2,4,5-Tetrachlorobenzene	216	8.446	8.435	0.011	98	361097	78.5	
123 1,1'-Biphenyl	154	8.804	8.799	0.005	99	1011684	78.0	
140 2,3,4,6-Tetrachlorophenol	232	9.878	9.878	0.0	98	204069	86.9	
163 Atrazine	200	10.856	10.845	0.011	92	240317	84.4	

Report Date: 01-Mar-2012 15:50:28 Chrom Revision: 2.0 20-Feb-2012 13:27:02

Data File: \\Bufchrom\ChromData\HP5973X\20120301-9891.b\X3778.D

Injection Date:	01-Mar-2012 15:26:30	Limit Group:	MB - 8270C ICAL
Client ID:		Instrument ID:	HP5973X
Lims Batch ID:	53517	Lims Sample ID:	5
Operator ID:	RMM	Injection Vol:	1.00 ul
Column Type:	RXI-5Sil MS	Column Dia:	0.25 mm

Y Scaling:



TestAmerica Laboratories
Target Compound Quantitation Report

Data File:	\\Bufchrom\ChromData\HP5973X\20120301-9891.b\X3779.D		
Lims ID:	IC - TADDS 120	Client ID:	
Inject. Date:	01-Mar-2012 15:50:30	Dil. Factor:	1.0000
Sample Type:	IC	Calib Level:	5
Sample ID:	480-0009891-006		
Misc. Info.:	IC - TADDS 120		
Operator:	RMM	Instrument ID:	HP5973X
Vol. Injected:	1.0000	ALS Bottle#:	35
Lims Batch ID:	53517	Lims Sample ID:	6
Sublist:	chrom-X-8270*sub4		
Detector:	MS SCAN		
Method:	\\Bufchrom\ChromData\HP5973X\20120301-9891.b\X-8270.m		
Last Update:	01-Mar-2012 16:51:16	Calib Date:	01-Mar-2012 16:13:30
Quant Method:	Internal Standard	Quant By:	Initial Calibration
Last ICal File:	\\Bufchrom\ChromData\HP5973X\20120301-9891.b\X3780.D		
Limit Group:	MB - 8270C ICAL		
Integrator:	RTE	ID Type:	Deconvolution ID
Process Host:	CORP-CTX-16		
First Level Reviewer: pfenderk		Date:	01-Mar-2012 16:51:16

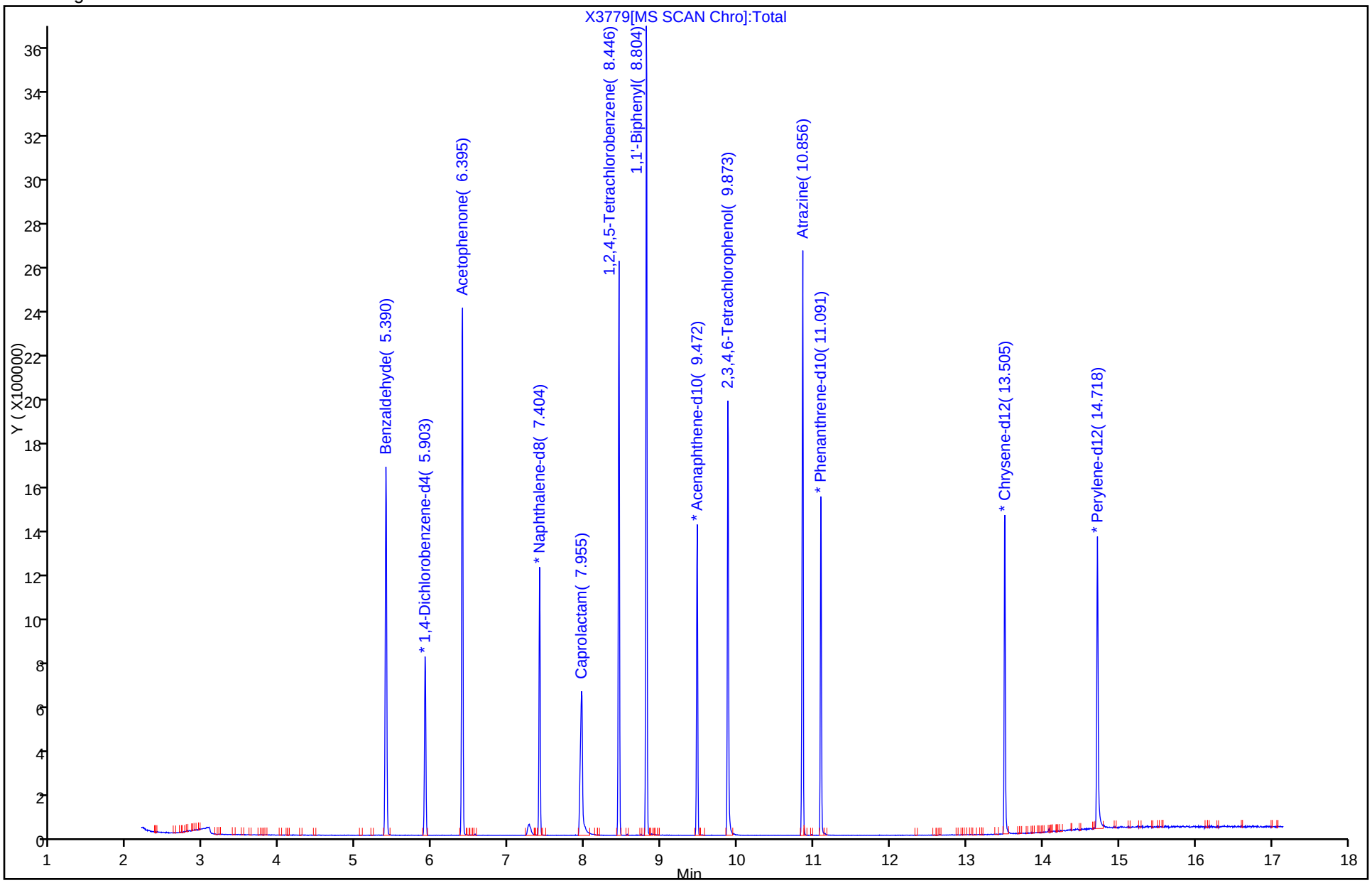
Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ng/uL	Flags
* 1 1,4-Dichlorobenzene-d4	152	5.903	5.898	0.005	94	167606	40.0	
* 2 Naphthalene-d8	136	7.404	7.399	0.005	90	648259	40.0	
* 3 Acenaphthene-d10	164	9.472	9.467	0.005	59	383493	40.0	
* 4 Phenanthrene-d10	188	11.091	11.091	0.0	99	620187	40.0	
* 5 Chrysene-d12	240	13.505	13.500	0.005	99	599087	40.0	
* 6 Perylene-d12	264	14.718	14.718	0.0	99	667927	40.0	
62 Benzaldehyde	77	5.390	5.385	0.005	87	497033	111.6	
76 Acetophenone	105	6.395	6.384	0.011	93	890015	113.6	
105 Caprolactam	113	7.960	7.987	-0.027	88	193124	123.0	
117 1,2,4,5-Tetrachlorobenzene	216	8.446	8.435	0.011	99	509591	112.9	
123 1,1'-Biphenyl	154	8.804	8.799	0.005	99	1432333	112.7	
140 2,3,4,6-Tetrachlorophenol	232	9.878	9.878	0.0	98	287674	120.3	
163 Atrazine	200	10.856	10.845	0.011	92	352743	122.0	

Report Date: 01-Mar-2012 16:51:16 Chrom Revision: 2.0 20-Feb-2012 13:27:02

Data File: \\Bufchrom\ChromData\HP5973X\20120301-9891.b\X3779.D

Injection Date:	01-Mar-2012 15:50:30	Limit Group:	MB - 8270C ICAL
Client ID:		Instrument ID:	HP5973X
Lims Batch ID:	53517	Lims Sample ID:	6
Operator ID:	RMM	Injection Vol:	1.00 ul
Column Type:	RXI-5Sil MS	Column Dia:	0.25 mm

Y Scaling:



TestAmerica Laboratories
Target Compound Quantitation Report

Data File:	\\Bufchrom\ChromData\HP5973X\20120301-9891.b\X3780.D		
Lims ID:	IC - TADDS 160	Client ID:	
Inject. Date:	01-Mar-2012 16:13:30	Dil. Factor:	1.0000
Sample Type:	IC	Calib Level:	6
Sample ID:	480-0009891-007		
Misc. Info.:	IC - TADDS 160		
Operator:	RMM	Instrument ID:	HP5973X
Vol. Injected:	1.0000	ALS Bottle#:	36
Lims Batch ID:	53517	Lims Sample ID:	7
Sublist:	chrom-X-8270*sub4		
Detector:	MS SCAN		
Method:	\\Bufchrom\ChromData\HP5973X\20120301-9891.b\X-8270.m		
Last Update:	01-Mar-2012 16:56:08	Calib Date:	01-Mar-2012 16:13:30
Quant Method:	Internal Standard	Quant By:	Initial Calibration
Last ICal File:	\\Bufchrom\ChromData\HP5973X\20120301-9891.b\X3780.D		
Limit Group:	MB - 8270C ICAL		
Integrator:	RTE	ID Type:	Deconvolution ID
Process Host:	CORP-CTX-16		
First Level Reviewer: pfenderk		Date:	01-Mar-2012 16:56:08

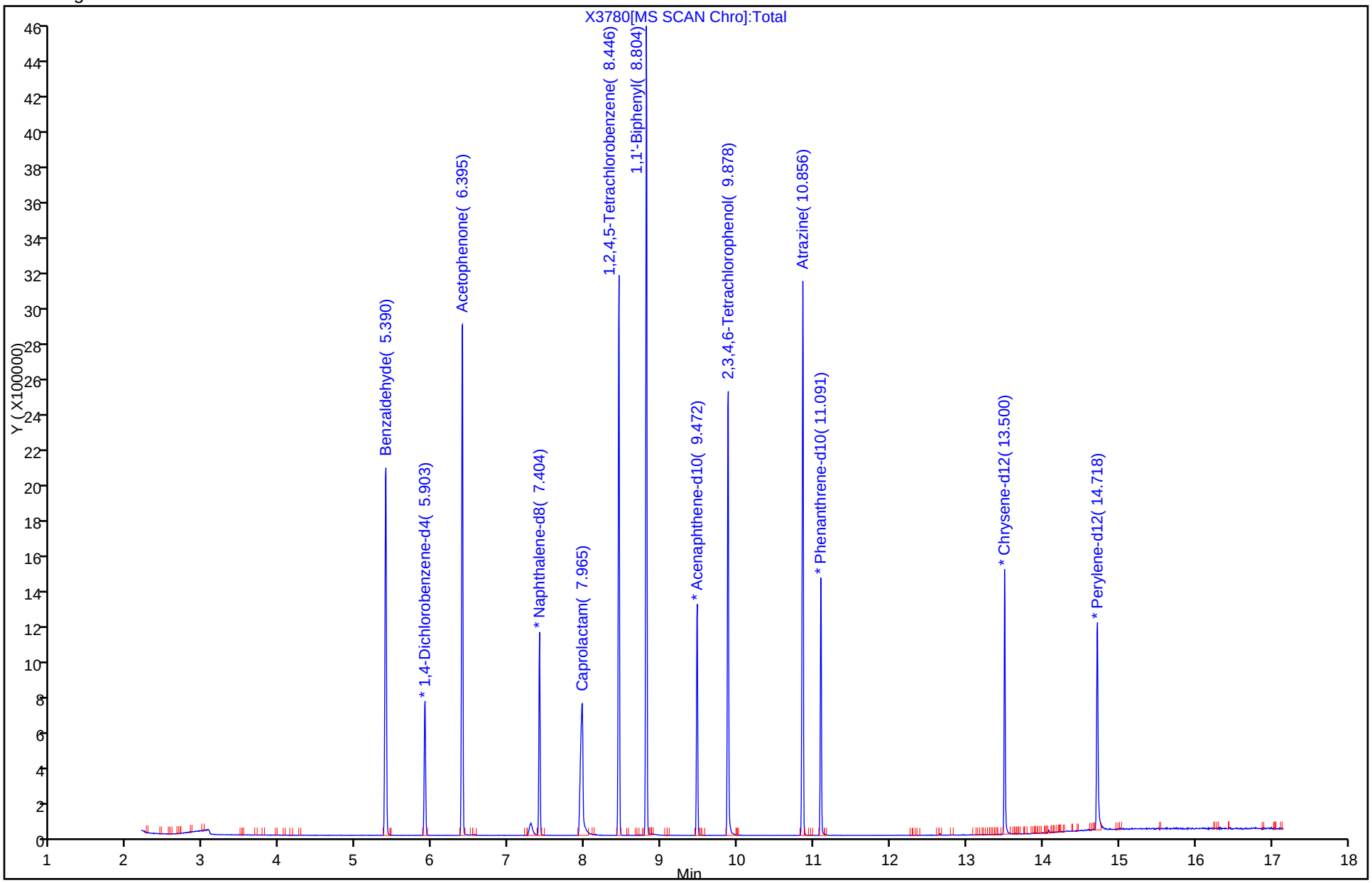
Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ng/uL	Flags
* 1 1,4-Dichlorobenzene-d4	152	5.903	5.898	0.005	95	158973	40.0	
* 2 Naphthalene-d8	136	7.404	7.399	0.005	93	616917	40.0	
* 3 Acenaphthene-d10	164	9.472	9.467	0.005	58	367760	40.0	
* 4 Phenanthrene-d10	188	11.091	11.091	0.0	99	595618	40.0	
* 5 Chrysene-d12	240	13.500	13.500	0.0	99	566435	40.0	
* 6 Perylene-d12	264	14.718	14.718	0.0	99	639700	40.0	
62 Benzaldehyde	77	5.390	5.385	0.005	86	632636	149.8	
76 Acetophenone	105	6.395	6.384	0.011	93	1113263	149.8	
105 Caprolactam	113	7.965	7.987	-0.022	89	236382	157.3	
117 1,2,4,5-Tetrachlorobenzene	216	8.446	8.435	0.011	98	643398	148.6	
123 1,1'-Biphenyl	154	8.804	8.799	0.005	99	1801887	147.8	
140 2,3,4,6-Tetrachlorophenol	232	9.878	9.878	0.0	97	371848	162.2	
163 Atrazine	200	10.856	10.845	0.011	92	439332	158.4	

Report Date: 01-Mar-2012 16:56:08 Chrom Revision: 2.0 20-Feb-2012 13:27:02

Data File: \\Bufchrom\ChromData\HP5973X\20120301-9891.b\X3780.D

Injection Date:	01-Mar-2012 16:13:30	Limit Group:	MB - 8270C ICAL
Client ID:		Instrument ID:	HP5973X
Lims Batch ID:	53517	Lims Sample ID:	7
Operator ID:	RMM	Injection Vol:	1.00 ul
Column Type:	RXI-5Sil MS	Column Dia:	0.25 mm

Y Scaling:



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

Lab Name: TestAmerica Buffalo Job No.: 480-18068-1 Analy Batch No.: 57955

SDG No.:

Instrument ID: HP5973X GC Column: RXI-5Sil MS ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 04/03/2012 13:29 Calibration End Date: 04/03/2012 15:26 Calibration ID: 7225

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 480-57955/2	X4780.D
Level 2	IC 480-57955/3	X4781.D
Level 3	ICIS 480-57955/4	X4782.D
Level 4	IC 480-57955/5	X4783.D
Level 5	IC 480-57955/6	X4784.D
Level 6	IC 480-57955/7	X4785.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								
N-Nitrosodimethylamine	0.6049 0.7610	0.7652	0.8775	0.7731	0.8099	Ave		0.7653				12.0		15.0			
Pyridine	0.6303 0.6861	0.7738	0.8030	0.7373	0.7400	Ave		0.7284				8.5		15.0			
Aniline	2.2202 2.2448	2.2942	2.3709	2.1871	2.3574	Ave		2.2791				3.3		15.0			
Phenol	1.8566 2.0392	1.8306	2.1010	1.9123	2.0334	Ave		1.9622				5.6		15.0			
Bis(2-chloroethyl)ether	1.4655 1.2996	1.3551	1.4200	1.2811	1.3173	Ave		1.3564				5.4		15.0			
2-Chlorophenol	1.3347 1.3122	1.2408	1.3315	1.2655	1.3139	Ave		1.2997				2.9		15.0			
1,3-Dichlorobenzene	1.4944 1.4442	1.5776	1.5406	1.4771	1.5129	Ave		1.5078				3.1		15.0			
1,4-Dichlorobenzene	1.4859 1.5037	1.5806	1.5856	1.4802	1.5574	Ave		1.5322				3.1		15.0			
1,2-Dichlorobenzene	1.3877 1.5048	1.4167	1.5396	1.4680	1.5720	Ave		1.4815				4.8		15.0			
Benzyl alcohol	0.7200 1.0127	0.8877	0.9841	0.9478	1.0072	Ave		0.9266				12.0		15.0			
bis (2-chloroisopropyl) ether	1.0917 1.2152	1.1662	1.2480	1.1649	1.2388	Ave		1.1874				4.9		15.0			
2-Methylphenol	1.3069 1.2849	1.3177	1.3319	1.2449	1.3167	Ave		1.3005				2.4		15.0			
N-Nitrosodi-n-propylamine	1.1309 1.1411	1.1996	1.2563	1.1466	1.1935	Ave		1.1780			0.0500	4.1		15.0			
4-Methylphenol	1.2711 1.2972	1.2589	1.3672	1.2575	1.3291	Ave		1.2968				3.4		15.0			
Hexachloroethane	0.6350 0.5846	0.6519	0.6308	0.6167	0.6026	Ave		0.6203				3.9		15.0			

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

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

Lab Name: TestAmerica Buffalo Job No.: 480-18068-1 Analy Batch No.: 57955

SDG No.:

Instrument ID: HP5973X GC Column: RXI-5Sil MS ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 04/03/2012 13:29 Calibration End Date: 04/03/2012 15:26 Calibration ID: 7225

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								
Nitrobenzene	0.4249 0.4438	0.4978	0.4745	0.4818	0.4634	Ave		0.4644				5.7		15.0			
Isophorone	0.8105 0.7708	0.8481	0.8347	0.8219	0.8057	Ave		0.8153				3.3		15.0			
2-Nitrophenol	0.1666 0.1916	0.1884	0.1978	0.1952	0.1886	Ave		0.1880				5.9		15.0			
Tetraethyl lead	0.1639 0.1630	0.1893	0.1832	0.1841	0.1762	Ave		0.1766				6.2		15.0			
2,4-Dimethylphenol	0.4226 0.4340	0.4530	0.4367	0.4495	0.4530	Ave		0.4414				2.8		15.0			
Bis(2-chloroethoxy)methane	0.4382 0.3953	0.4473	0.4361	0.4219	0.4101	Ave		0.4248				4.6		15.0			
2,4-Dichlorophenol	0.3381 0.3036	0.3086	0.3105	0.3098	0.3121	Ave		0.3138				3.9		15.0			
Benzoic acid	0.2947 0.3237	0.3148	0.3206	0.3166	0.3267	Lin1	-2.628	0.3311							0.9990		0.9900
1,2,4-Trichlorobenzene	0.3066 0.3353	0.3449	0.3385	0.3441	0.3374	Ave		0.3345				4.2		15.0			
Naphthalene	1.0059 0.9393	0.9809	0.9970	0.9599	0.9486	Ave		0.9719				2.8		15.0			
4-Chloroaniline	0.3524 0.3985	0.4333	0.4182	0.3994	0.4033	Ave		0.4009				6.8		15.0			
Hexachlorobutadiene	0.2386 0.2109	0.2241	0.2238	0.2200	0.2102	Ave		0.2213				4.7		15.0			
4-Chloro-3-methylphenol	0.3514 0.3794	0.3774	0.4011	0.3935	0.3825	Ave		0.3809				4.5		15.0			
2-Methylnaphthalene	0.6737 0.7096	0.7228	0.7122	0.7205	0.7035	Ave		0.7071				2.5		15.0			
Hexachlorocyclopentadiene	0.0897 0.3287	0.2382	0.2761	0.3178	0.3304	Lin1	-1.420	0.3338			0.0500				0.9980		0.9900
2,4,6-Trichlorophenol	0.3202 0.3464	0.3575	0.3657	0.3502	0.3502	Ave		0.3484				4.4		15.0			
2,4,5-Trichlorophenol	0.2595 0.3433	0.3638	0.3439	0.3664	0.3568	Ave		0.3390				12.0		15.0			
2-Chloronaphthalene	0.9551 0.9699	1.0490	1.0293	0.9949	0.9886	Ave		0.9978				3.6		15.0			
2-Nitroaniline	0.3488 0.3560	0.3828	0.3882	0.3804	0.3678	Ave		0.3707				4.3		15.0			
Dimethyl phthalate	1.2121 1.1411	1.3141	1.2791	1.2527	1.1861	Ave		1.2309				5.2		15.0			

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

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

Lab Name: TestAmerica Buffalo Job No.: 480-18068-1 Analy Batch No.: 57955

SDG No.:

Instrument ID: HP5973X GC Column: RXI-5Sil MS ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 04/03/2012 13:29 Calibration End Date: 04/03/2012 15:26 Calibration ID: 7225

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								
2,6-Dinitrotoluene	0.2609 0.2634	0.2688	0.2947	0.2842	0.2725	Ave		0.2741				4.7		15.0			
Acenaphthylene	1.6679 1.5219	1.6694	1.6627	1.6242	1.5557	Ave		1.6170				3.9		15.0			
3-Nitroaniline	0.2328 0.2900	0.2771	0.2853	0.3004	0.2874	Ave		0.2788				8.5		15.0			
Acenaphthene	1.0442 0.9162	1.0428	0.9854	0.9582	0.9279	Ave		0.9791				5.7		15.0			
2,4-Dinitrophenol	0.0716 0.1729	0.1170	0.1476	0.1598	0.1673	Lin1	-1.141	0.1768			0.0500				0.9990		0.9900
Dibenzofuran	1.4475 1.4206	1.5031	1.5369	1.4668	1.4343	Ave		1.4682				3.0		15.0			
2,4-Dinitrotoluene	0.3227 0.3841	0.3695	0.4007	0.3996	0.3904	Ave		0.3779				7.8		15.0			
4-Nitrophenol	0.1737 0.2407	0.2164	0.2442	0.2671	0.2669	Ave		0.2348			0.0500	15.0		15.0			
Diethyl phthalate	1.4192 1.1921	1.3465	1.3218	1.2912	1.2497	Ave		1.3034				6.0		15.0			
Fluorene	1.2079 1.2775	1.2255	1.2658	1.2661	1.2671	Ave		1.2517				2.2		15.0			
4-Chlorophenyl phenyl ether	0.6590 0.6715	0.6695	0.6578	0.6639	0.6526	Ave		0.6624				1.1		15.0			
4-Nitroaniline	0.2236 0.2935	0.2657	0.2868	0.3005	0.2840	Ave		0.2757				10.0		15.0			
4,6-Dinitro-2-methylphenol	0.1057 0.1480	0.1290	0.1384	0.1439	0.1510	Ave		0.1360				12.0		15.0			
N-Nitrosodiphenylamine	0.5113 0.5144	0.5363	0.5335	0.5396	0.5164	Ave		0.5253				2.4		15.0			
1,2-Diphenylhydrazine	1.4261 1.3380	1.5560	1.5071	1.4455	1.4081	Ave		1.4468				5.3		15.0			
4-Bromophenyl phenyl ether	0.2174 0.2231	0.2315	0.2178	0.2216	0.2207	Ave		0.2220				2.3		15.0			
Hexachlorobenzene	0.2506 0.2375	0.2483	0.2249	0.2400	0.2336	Ave		0.2391				4.0		15.0			
Pentachlorophenol	0.0985 0.1380	0.0983	0.1229	0.1281	0.1355	Lin1	-0.567	0.1388							0.9980		0.9900
Phenanthrene	1.1306 1.0179	1.0697	1.0579	1.0614	1.0372	Ave		1.0624				3.6		15.0			
Anthracene	1.0079 1.0286	1.1073	1.0778	1.0704	1.0400	Ave		1.0553				3.4		15.0			

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

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

Lab Name: TestAmerica Buffalo Job No.: 480-18068-1 Analy Batch No.: 57955

SDG No.:

Instrument ID: HP5973X GC Column: RXI-5Sil MS ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 04/03/2012 13:29 Calibration End Date: 04/03/2012 15:26 Calibration ID: 7225

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								
Carbazole	0.9500 0.9143	0.9493	0.9443	0.9323	0.9139	Ave		0.9340				1.8		15.0			
Di-n-butyl phthalate	1.2454 1.1508	1.2786	1.2331	1.2122	1.1716	Ave		1.2153				3.9		15.0			
Fluoranthene	1.1191 1.0688	1.1208	1.1247	1.1096	1.0824	Ave		1.1042				2.1		15.0			
Benzidine	0.7279 0.5125	0.7922	0.6360	0.6287	0.5715	Qua	0.5624	0.7216	-0.001						0.9990		0.9900
Pyrene	1.2623 1.0021	1.2777	1.2110	1.1395	1.0706	Lin1	2.0887	1.0571							0.9940		0.9900
3,3'-Dimethylbenzidine	0.6775 0.5905	0.6836	0.5665	0.6125	0.6074	Ave		0.6230				7.6		15.0			
Butyl benzyl phthalate	0.6413 0.5324	0.6379	0.6166	0.5924	0.5516	Ave		0.5954				7.6		15.0			
3,3'-Dichlorobenzidine	0.4762 0.4228	0.4742	0.4689	0.4426	0.4353	Ave		0.4533				5.0		15.0			
Benzo(a)anthracene	1.1222 1.0470	1.1412	1.1642	1.0951	1.0809	Ave		1.1084				3.8		15.0			
Bis(2-ethylhexyl) phthalate	0.8296 0.7516	0.8585	0.8608	0.7950	0.7749	Ave		0.8117				5.6		15.0			
Chrysene	1.1521 0.8783	1.0686	1.0171	0.9526	0.8992	Ave		0.9947				11.0		15.0			
Di-n-octyl phthalate	1.1927 1.1048	1.3231	1.3193	1.2382	1.1735	Ave		1.2253				7.0		15.0			
Benzo(b)fluoranthene	0.9291 1.2444	1.1158	1.1919	1.0897	1.1908	Ave		1.1270				9.9		15.0			
Benzo(k)fluoranthene	1.2823 1.0512	1.2869	1.1508	1.2965	1.1104	Ave		1.1964				8.9		15.0			
Benzo(a)pyrene	0.9198 0.9386	0.9253	0.9740	0.9781	0.9367	Ave		0.9454				2.6		15.0			
Indeno(1,2,3-cd)pyrene	0.9962 1.2828	1.2068	1.2225	1.2719	1.2504	Ave		1.2051				8.8		15.0			
Dibenz(a,h)anthracene	0.9207 1.2034	1.0423	1.0686	1.1717	1.1621	Ave		1.0948				9.7		15.0			
Benzo(g,h,i)perylene	0.9020 1.0095	0.9779	1.0030	1.0344	1.0155	Ave		0.9904				4.7		15.0			
2-Fluorophenol	1.1546 1.2598	1.3074	1.3063	1.2285	1.2899	Ave		1.2577				4.7		15.0			
Phenol-d5	1.6358 1.8149	1.6908	1.7938	1.6984	1.8117	Ave		1.7409				4.3		15.0			

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

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

Lab Name: TestAmerica Buffalo Job No.: 480-18068-1 Analy Batch No.: 57955

SDG No.:

Instrument ID: HP5973X GC Column: RXI-5Sil MS ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 04/03/2012 13:29 Calibration End Date: 04/03/2012 15:26 Calibration ID: 7225

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								
Nitrobenzene-d5	0.4825 0.4641	0.5081	0.5011	0.4936	0.4823	Ave		0.4886				3.2		15.0			
2-Fluorobiphenyl	1.2818 1.1733	1.2405	1.2427	1.2323	1.1796	Ave		1.2250				3.4		15.0			
2,4,6-Tribromophenol	0.0983 0.1290	0.1219	0.1334	0.1308	0.1274	Ave		0.1235				10.0		15.0			
p-Terphenyl-d14	0.9618 0.7685	0.9500	0.9348	0.8654	0.8068	Lin1	1.5303	0.8055							0.9940		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 RESPONSE AND CONCENTRATION

Lab Name: TestAmerica Buffalo Job No.: 480-18068-1 Analy Batch No.: 57955

SDG No.:

Instrument ID: HP5973X GC Column: RXI-5Sil MS ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 04/03/2012 13:29 Calibration End Date: 04/03/2012 15:26 Calibration ID: 7225

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 480-57955/2	X4780.D
Level 2	IC 480-57955/3	X4781.D
Level 3	ICIS 480-57955/4	X4782.D
Level 4	IC 480-57955/5	X4783.D
Level 5	IC 480-57955/6	X4784.D
Level 6	IC 480-57955/7	X4785.D

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (NG/UL)				
			LVL 1 LVL 6	LVL 2	LVL 3	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2	LVL 3	LVL 4	LVL 5
N-Nitrosodimethylamine	DCB	Ave	7341 343822	35055	94841	165188	264366	5.00 160	20.0	50.0	80.0	120
Pyridine	DCB	Ave	7649 309976	35448	86789	157546	241557	5.00 160	20.0	50.0	80.0	120
Aniline	DCB	Ave	26942 1014177	105098	256239	467344	769487	5.00 160	20.0	50.0	80.0	120
Phenol	DCB	Ave	22530 921264	83862	227070	408617	663736	5.00 160	20.0	50.0	80.0	120
Bis(2-chloroethyl)ether	DCB	Ave	17784 587152	62078	153474	273746	429971	5.00 160	20.0	50.0	80.0	120
2-Chlorophenol	DCB	Ave	16196 592828	56841	143907	270403	428867	5.00 160	20.0	50.0	80.0	120
1,3-Dichlorobenzene	DCB	Ave	18134 652483	72271	166507	315623	493847	5.00 160	20.0	50.0	80.0	120
1,4-Dichlorobenzene	DCB	Ave	18032 679350	72408	171371	316292	508349	5.00 160	20.0	50.0	80.0	120
1,2-Dichlorobenzene	DCB	Ave	16840 679829	64900	166399	313688	513115	5.00 160	20.0	50.0	80.0	120
Benzyl alcohol	DCB	Ave	8737 457524	40667	106357	202521	328751	5.00 160	20.0	50.0	80.0	120
bis (2-chloroisopropyl) ether	DCB	Ave	13248 548993	53422	134881	248907	404348	5.00 160	20.0	50.0	80.0	120
2-Methylphenol	DCB	Ave	15859 580507	60365	143945	266005	429805	5.00 160	20.0	50.0	80.0	120
N-Nitrosodi-n-propylamine	DCB	Ave	13723 515544	54953	135776	245011	389563	5.00 160	20.0	50.0	80.0	120
4-Methylphenol	DCB	Ave	15425 586062	57669	147765	268693	433826	5.00 160	20.0	50.0	80.0	120
Hexachloroethane	DCB	Ave	7706 264091	29865	68171	131778	196706	5.00 160	20.0	50.0	80.0	120
Nitrobenzene	NPT	Ave	19304 760678	82852	193693	367226	575096	5.00 160	20.0	50.0	80.0	120

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

Lab Name: TestAmerica Buffalo Job No.: 480-18068-1 Analy Batch No.: 57955

SDG No.:

Instrument ID: HP5973X GC Column: RXI-5Sil MS ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 04/03/2012 13:29 Calibration End Date: 04/03/2012 15:26 Calibration ID: 7225

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (NG/UL)				
			LVL 1 LVL 6	LVL 2	LVL 3	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2	LVL 3	LVL 4	LVL 5
Isophorone	NPT	Ave	36823 1321232	141157	340764	626428	999807	5.00 160	20.0	50.0	80.0	120
2-Nitrophenol	NPT	Ave	7567 328440	31356	80766	148777	234048	5.00 160	20.0	50.0	80.0	120
Tetraethyl lead	NPT	Ave	7445 279460	31506	74775	140297	218621	5.00 160	20.0	50.0	80.0	120
2,4-Dimethylphenol	NPT	Ave	19197 743863	75390	178273	342585	562102	5.00 160	20.0	50.0	80.0	120
Bis(2-chloroethoxy)methane	NPT	Ave	19908 677581	74439	178025	321604	508929	5.00 160	20.0	50.0	80.0	120
2,4-Dichlorophenol	NPT	Ave	15358 520362	51367	126747	236158	387273	5.00 160	20.0	50.0	80.0	120
Benzoic acid	NPT	Lin1	267765 1664672	314402	392699	723908	1216279	100 480	120	150	240	360
1,2,4-Trichlorobenzene	NPT	Ave	13930 574779	57409	138189	262293	418723	5.00 160	20.0	50.0	80.0	120
Naphthalene	NPT	Ave	45696 1609969	163257	407031	731610	1177114	5.00 160	20.0	50.0	80.0	120
4-Chloroaniline	NPT	Ave	16010 682995	72117	170726	304447	500467	5.00 160	20.0	50.0	80.0	120
Hexachlorobutadiene	NPT	Ave	10840 361548	37297	91368	167670	260842	5.00 160	20.0	50.0	80.0	120
4-Chloro-3-methylphenol	NPT	Ave	15964 650229	62806	163750	299929	474700	5.00 160	20.0	50.0	80.0	120
2-Methylnaphthalene	NPT	Ave	30608 1216213	120294	290761	549206	872933	5.00 160	20.0	50.0	80.0	120
Hexachlorocyclopentadiene	ANT	Lin1	2704 408563	27819	79500	172355	296571	5.00 160	20.0	50.0	80.0	120
2,4,6-Trichlorophenol	ANT	Ave	9650 430501	41739	105290	189915	314403	5.00 160	20.0	50.0	80.0	120
2,4,5-Trichlorophenol	ANT	Ave	7821 426709	42475	99015	198722	320274	5.00 160	20.0	50.0	80.0	120
2-Chloronaphthalene	ANT	Ave	28782 1205389	122481	296333	539527	887406	5.00 160	20.0	50.0	80.0	120
2-Nitroaniline	ANT	Ave	10511 442487	44699	111759	206312	330114	5.00 160	20.0	50.0	80.0	120
Dimethyl phthalate	ANT	Ave	36527 1418133	153440	368236	679371	1064702	5.00 160	20.0	50.0	80.0	120
2,6-Dinitrotoluene	ANT	Ave	7862 327408	31383	84847	154119	244608	5.00 160	20.0	50.0	80.0	120
Acenaphthylene	ANT	Ave	50261 1891404	194933	478681	880838	1396477	5.00 160	20.0	50.0	80.0	120

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

Lab Name: TestAmerica Buffalo Job No.: 480-18068-1 Analy Batch No.: 57955

SDG No.:

Instrument ID: HP5973X GC Column: RXI-5Sil MS ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 04/03/2012 13:29 Calibration End Date: 04/03/2012 15:26 Calibration ID: 7225

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (NG/UL)				
			LVL 1 LVL 6	LVL 2	LVL 3	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2	LVL 3	LVL 4	LVL 5
3-Nitroaniline	ANT	Ave	7014 360365	32360	82145	162921	257963	5.00 160	20.0	50.0	80.0	120
Acenaphthene	ANT	Ave	31468 1138621	121761	283699	519667	832904	5.00 160	20.0	50.0	80.0	120
2,4-Dinitrophenol	ANT	Lin1	4313 214869	13659	42495	86667	150193	10.0 160	20.0	50.0	80.0	120
Dibenzofuran	ANT	Ave	43620 1765450	175515	442468	795457	1287493	5.00 160	20.0	50.0	80.0	120
2,4-Dinitrotoluene	ANT	Ave	9726 477377	43148	115373	216708	350488	5.00 160	20.0	50.0	80.0	120
4-Nitrophenol	ANT	Ave	10467 299124	25265	70299	144852	239578	10.0 160	20.0	50.0	80.0	120
Diethyl phthalate	ANT	Ave	42769 1481572	157219	380535	700233	1121779	5.00 160	20.0	50.0	80.0	120
Fluorene	ANT	Ave	36401 1587673	143101	364410	686642	1137403	5.00 160	20.0	50.0	80.0	120
4-Chlorophenyl phenyl ether	ANT	Ave	19859 834562	78174	189371	360064	585818	5.00 160	20.0	50.0	80.0	120
4-Nitroaniline	ANT	Ave	6737 364790	31028	82564	162990	254950	5.00 160	20.0	50.0	80.0	120
4,6-Dinitro-2-methylphenol	PHN	Ave	10770 304230	25403	67858	130418	225730	10.0 160	20.0	50.0	80.0	120
N-Nitrosodiphenylamine	PHN	Ave	26038 1057080	105614	261617	489091	771937	5.00 160	20.0	50.0	80.0	120
1,2-Diphenylhydrazine	ANT	Ave	42977 1662896	181689	433881	783921	1263970	5.00 160	20.0	50.0	80.0	120
4-Bromophenyl phenyl ether	PHN	Ave	11070 458413	45586	106819	200837	329974	5.00 160	20.0	50.0	80.0	120
Hexachlorobenzene	PHN	Ave	12760 488043	48905	110255	217514	349152	5.00 160	20.0	50.0	80.0	120
Pentachlorophenol	PHN	Lin1	10031 283622	19362	60260	116094	202540	10.0 160	20.0	50.0	80.0	120
Phenanthrene	PHN	Ave	57581 2091671	210652	518725	962058	1550426	5.00 160	20.0	50.0	80.0	120
Anthracene	PHN	Ave	51332 2113713	218051	528490	970199	1554613	5.00 160	20.0	50.0	80.0	120
Carbazole	PHN	Ave	48383 1878888	186943	463016	845062	1366182	5.00 160	20.0	50.0	80.0	120
Di-n-butyl phthalate	PHN	Ave	63425 2364921	251800	604624	1098779	1751354	5.00 160	20.0	50.0	80.0	120
Fluoranthene	PHN	Ave	56993 2196327	220718	551463	1005731	1618025	5.00 160	20.0	50.0	80.0	120

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

Lab Name: TestAmerica Buffalo Job No.: 480-18068-1 Analy Batch No.: 57955

SDG No.:

Instrument ID: HP5973X GC Column: RXI-5Sil MS ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 04/03/2012 13:29 Calibration End Date: 04/03/2012 15:26 Calibration ID: 7225

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (NG/UL)				
			LVL 1 LVL 6	LVL 2	LVL 3	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2	LVL 3	LVL 4	LVL 5
Benzidine	CRY	Qua	32582 1102545	138161	276968	543105	852078	5.00 160	20.0	50.0	80.0	120
Pyrene	CRY	Lin1	56500 2155905	222836	527362	984426	1596080	5.00 160	20.0	50.0	80.0	120
3,3'-Dimethylbenzidine	PHN	Ave	34501 1213445	134611	277769	555201	907955	5.00 160	20.0	50.0	80.0	120
Butyl benzyl phthalate	CRY	Ave	28706 1145544	111259	268526	511798	822360	5.00 160	20.0	50.0	80.0	120
3,3'-Dichlorobenzidine	CRY	Ave	21315 909557	82709	204190	382338	648913	5.00 160	20.0	50.0	80.0	120
Benzo(a)anthracene	CRY	Ave	50227 2252587	199031	506996	946027	1611511	5.00 160	20.0	50.0	80.0	120
Bis(2-ethylhexyl) phthalate	CRY	Ave	37130 1616990	149725	374884	686784	1155328	5.00 160	20.0	50.0	80.0	120
Chrysene	CRY	Ave	51568 1889595	186376	442919	822982	1340578	5.00 160	20.0	50.0	80.0	120
Di-n-octyl phthalate	CRY	Ave	53383 2376918	230756	574556	1069673	1749537	5.00 160	20.0	50.0	80.0	120
Benzo(b)fluoranthene	PRY	Ave	41971 2177398	185267	482223	796951	1491488	5.00 160	20.0	50.0	80.0	120
Benzo(k)fluoranthene	PRY	Ave	57927 1839328	213690	465566	948142	1390820	5.00 160	20.0	50.0	80.0	120
Benzo(a)pyrene	PRY	Ave	41552 1642411	153636	394055	715299	1173152	5.00 160	20.0	50.0	80.0	120
Indeno(1,2,3-cd)pyrene	PRY	Ave	45001 2244736	200383	494584	930202	1566145	5.00 160	20.0	50.0	80.0	120
Dibenz(a,h)anthracene	PRY	Ave	41589 2105782	173068	432305	856860	1455549	5.00 160	20.0	50.0	80.0	120
Benzo(g,h,i)perylene	PRY	Ave	40747 1766355	162370	405801	756448	1271880	5.00 160	20.0	50.0	80.0	120
2-Fluorophenol	DCB	Ave	14011 569135	59892	141184	262511	421038	5.00 160	20.0	50.0	80.0	120
Phenol-d5	DCB	Ave	19851 819925	77454	193867	362914	591354	5.00 160	20.0	50.0	80.0	120
Nitrobenzene-d5	NPT	Ave	21922 795451	84563	204570	376218	598530	5.00 160	20.0	50.0	80.0	120
2-Fluorobiphenyl	ANT	Ave	38628 1458185	144842	357782	668277	1058848	5.00 160	20.0	50.0	80.0	120
2,4,6-Tribromophenol	PHN	Ave	5008 265123	23999	65403	118570	190432	5.00 160	20.0	50.0	80.0	120
p-Terphenyl-d14	CRY	Lin1	43050 1653356	165687	407120	747615	1202821	5.00 160	20.0	50.0	80.0	120

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

Lab Name: TestAmerica Buffalo Job No.: 480-18068-1 Analy Batch No.: 57955

SDG No.:

Instrument ID: HP5973X GC Column: RXI-5Sil MS ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 04/03/2012 13:29 Calibration End Date: 04/03/2012 15:26 Calibration ID: 7225

Curve Type Legend:

Ave = Average ISTD
Lin1 = Linear 1/conc ISTD
Qua = Quadratic ISTD

TestAmerica Laboratories
Target Compound Quantitation Report

Data File:	\\Bufchrom\ChromData\HP5973X\20120403-10684.b\X4780.D		
Lims ID:	IC - 5 PT	Client ID:	
Inject. Date:	03-Apr-2012 13:29:30	Dil. Factor:	1.0000
Sample Type:	IC	Calib Level:	1
Sample ID:	480-0010684-002		
Misc. Info.:			
Operator:	RMM	Instrument ID:	HP5973X
Vol. Injected:	1.0000	ALS Bottle#:	2
Lims Batch ID:	57955	Lims Sample ID:	2
Sublist:	chrom-X-8270*sub28		
Detector:	MS SCAN		
Method:	\\Bufchrom\ChromData\HP5973X\20120403-10684.b\X-8270.m		
Last Update:	03-Apr-2012 16:47:44	Calib Date:	03-Apr-2012 15:26:30
Quant Method:	Internal Standard	Quant By:	Initial Calibration
Last ICal File:	\\Bufchrom\ChromData\HP5973X\20120403-10684.b\X4785.D		
Limit Group:	MB - 8270C ICAL		
Integrator:	RTE	ID Type:	Deconvolution ID
Process Host:	CORP-CTX-16		
First Level Reviewer: mckernar		Date:	03-Apr-2012 16:47:43

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ng/uL	Flags
* 1 1,4-Dichlorobenzene-d4	152	5.946	5.940	0.006	96	97080	40.0	
* 2 Naphthalene-d8	136	7.437	7.442	-0.005	93	363440	40.0	
* 3 Acenaphthene-d10	164	9.493	9.493	0.0	54	241080	40.0	
* 4 Phenanthrene-d10	188	11.112	11.112	0.0	100	407421	40.0	
* 5 Chrysene-d12	240	13.521	13.521	0.0	100	358071	40.0	
* 6 Perylene-d12	264	14.739	14.744	-0.005	98	361385	40.0	
$ 7 2-Fluorophenol	112	4.418	4.418	0.0	58	14011	4.59	M
$ 8 Phenol-d5	99	5.572	5.566	0.006	67	19851	4.70	
$ 9 Nitrobenzene-d5	82	6.608	6.603	0.005	70	21922	4.94	
$ 10 2-Fluorobiphenyl	172	8.713	8.718	-0.005	92	38628	5.23	
$ 11 2,4,6-Tribromophenol	330	10.407	10.401	0.006	12	5008	3.98	
$ 12 p-Terphenyl-d14	244	12.608	12.608	0.0	94	43050	4.07	
55 N-Nitrosodimethylamine	42	2.864	2.815	0.049	0	7341	3.95	M
56 Pyridine	52	2.981	2.890	0.091	0	7649	4.33	M
64 Aniline	93	5.572	5.566	0.006	84	26942	4.87	
63 Phenol	94	5.588	5.583	0.006	76	22530	4.73	
66 Bis(2-chloroethyl)ether	93	5.647	5.647	0.0	70	17784	5.40	
67 2-Chlorophenol	128	5.711	5.705	0.006	85	16196	5.13	
69 1,3-Dichlorobenzene	146	5.877	5.871	0.006	77	18134	4.96	
70 1,4-Dichlorobenzene	146	5.962	5.962	0.0	1	18032	4.85	
71 Benzyl alcohol	108	6.144	6.133	0.011	52	8737	3.89	M
72 1,2-Dichlorobenzene	146	6.138	6.138	0.0	74	16840	4.68	
74 2,2'-oxybis[1-chloropropane]	45	6.283	6.282	0.001	61	13248	4.60	
73 2-Methylphenol	108	6.293	6.282	0.011	78	15859	5.02	
78 N-Nitrosodi-n-propylamine	70	6.443	6.437	0.006	81	13723	4.80	
79 4-Methylphenol	108	6.486	6.475	0.011	77	15425	4.90	
81 Hexachloroethane	117	6.528	6.528	0.0	80	7706	5.12	
83 Nitrobenzene	77	6.630	6.624	0.006	86	19304	4.58	
86 Isophorone	82	6.913	6.918	-0.005	87	36823	4.97	
87 2-Nitrophenol	139	7.004	7.004	0.0	76	7567	4.43	

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ng/uL	Flags
89 2,4-Dimethylphenol	107	7.100	7.089	0.011	83	19197	4.79	
90 Tetraethyl lead	237	7.095	7.094	0.001	49	7445	4.64	
94 Bis(2-chloroethoxy)methane	93	7.180	7.180	0.0	78	19908	5.16	
97 2,4-Dichlorophenol	162	7.324	7.308	0.016	0	15358	5.39	M
95 Benzoic acid	105	7.308	7.329	-0.021	64	267765	96.9	
98 1,2,4-Trichlorobenzene	180	7.383	7.378	0.005	67	13930	4.58	
99 Naphthalene	128	7.463	7.463	0.0	73	45696	5.17	
101 4-Chloroaniline	127	7.570	7.554	0.016	74	16010	4.40	
104 Hexachlorobutadiene	225	7.613	7.613	0.0	84	10840	5.39	
110 4-Chloro-3-methylphenol	107	8.174	8.163	0.011	62	15964	4.61	
113 2-Methylnaphthalene	142	8.281	8.280	0.001	93	30608	4.76	
116 Hexachlorocyclopentadiene	237	8.462	8.457	0.005	1	2704	5.60	
118 2,4,6-Trichlorophenol	196	8.639	8.633	0.006	56	9650	4.60	
119 2,4,5-Trichlorophenol	196	8.724	8.692	0.032	9	7821	3.83	
124 2-Chloronaphthalene	162	8.847	8.847	0.0	95	28782	4.79	
125 2-Nitroaniline	65	9.012	9.002	0.010	59	10511	4.70	
128 Dimethyl phthalate	163	9.216	9.221	-0.005	93	36527	4.92	
130 2,6-Dinitrotoluene	165	9.301	9.290	0.011	44	7862	4.76	
131 Acenaphthylene	152	9.328	9.327	0.001	94	50261	5.16	
132 3-Nitroaniline	138	9.509	9.498	0.011	12	7014	4.17	
133 Acenaphthene	153	9.531	9.536	-0.005	96	31468	5.33	
134 2,4-Dinitrophenol	184	9.638	9.627	0.011	0	4313	10.5	M
138 Dibenzofuran	168	9.744	9.739	0.005	87	43620	4.93	
137 2,4-Dinitrotoluene	165	9.766	9.765	0.001	67	9726	4.27	
135 4-Nitrophenol	109	9.814	9.771	0.043	0	10467	7.40	M
142 Diethyl phthalate	149	10.033	10.038	-0.005	98	42769	5.44	
144 Fluorene	166	10.129	10.129	0.0	93	36401	4.83	
145 4-Chlorophenyl phenyl ether	204	10.140	10.139	0.001	89	19859	4.97	
147 4-Nitroaniline	138	10.214	10.198	0.016	69	6737	4.05	
148 4,6-Dinitro-2-methylphenol	198	10.231	10.225	0.006	76	10770	7.77	
149 N-Nitrosodiphenylamine	169	10.279	10.278	0.001	84	26038	4.87	
152 1,2-Diphenylhydrazine	77	10.311	10.310	0.001	97	42977	4.93	
159 4-Bromophenyl phenyl ether	248	10.663	10.663	0.0	71	11070	4.90	
160 Hexachlorobenzene	284	10.717	10.716	0.001	68	12760	5.24	
165 Pentachlorophenol	266	10.952	10.946	0.006	27	10031	11.2	
171 Phenanthrene	178	11.139	11.138	0.001	78	57581	5.32	
172 Anthracene	178	11.187	11.187	0.0	98	51332	4.78	
173 Carbazole	167	11.374	11.368	0.006	92	48383	5.09	
176 Di-n-butyl phthalate	149	11.705	11.705	0.0	99	63425	5.12	
182 Fluoranthene	202	12.266	12.266	0.0	98	56993	5.07	
183 Benzidine	184	12.416	12.405	0.011	69	32582	4.30	
185 Pyrene	202	12.469	12.469	0.0	96	56500	3.99	
191 3,3'-Dimethylbenzidine	212	13.035	13.035	0.0	92	34501	5.44	
192 Butyl benzyl phthalate	149	13.035	13.035	0.0	91	28706	5.39	
196 3,3'-Dichlorobenzidine	252	13.505	13.494	0.011	63	21315	5.25	
197 Benzo[a]anthracene	228	13.511	13.510	0.001	66	50227	5.06	
198 Bis(2-ethylhexyl) phthalate	149	13.521	13.521	0.0	47	37130	5.11	
199 Chrysene	228	13.543	13.548	-0.005	74	51568	5.79	
201 Di-n-octyl phthalate	149	14.056	14.061	-0.005	98	53383	4.87	
203 Benzo[b]fluoranthene	252	14.413	14.413	0.0	88	41971	4.12	
204 Benzo[k]fluoranthene	252	14.435	14.435	0.0	79	57927	5.36	
206 Benzo[a]pyrene	252	14.697	14.696	0.001	92	41552	4.86	

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ng/uL	Flags
208 Indeno[1,2,3-cd]pyrene	276	15.776	15.765	0.011	84	45001	4.13	
209 Dibenz(a,h)anthracene	278	15.776	15.770	0.006	65	41589	4.20	
210 Benzo[g,h,i]perylene	276	16.059	16.059	0.0	92	40747	4.55	
S 212 3 & 4 Methylphenol	108				0		4.90	
S 213 Total Cresols	1				0		9.93	
S 214 3-Methylphenol	1				0		4.90	

QC Flag Legend

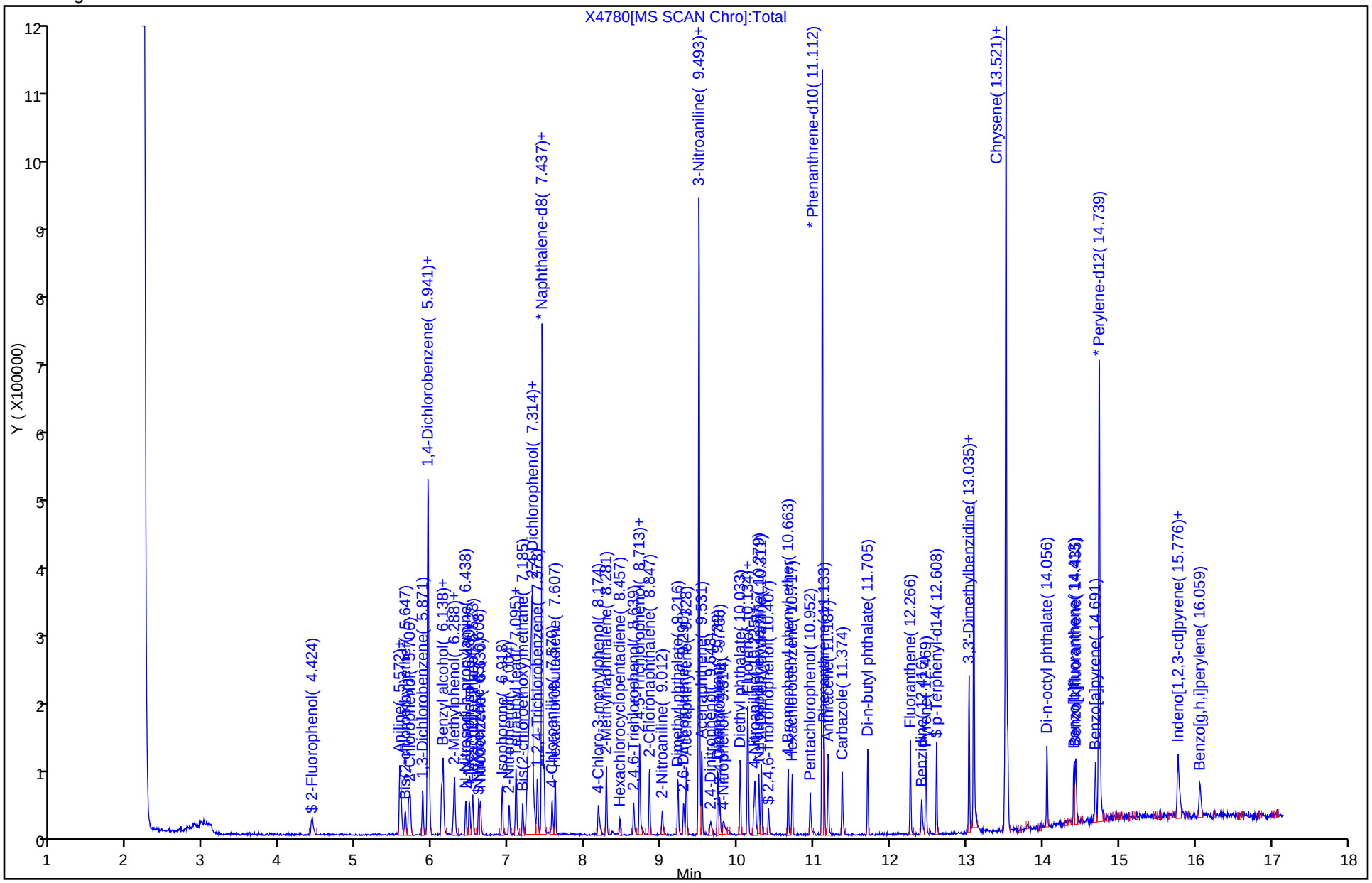
Review Flags
M - Manually Integrated

Report Date: 03-Apr-2012 16:47:44 Chrom Revision: 2.0 20-Feb-2012 13:27:02

Data File: \\Bufchrom\ChromData\HP5973X\20120403-10684.b\X4780.D

Injection Date:	03-Apr-2012 13:29:30	Limit Group:	MB - 8270C ICAL
Client ID:		Instrument ID:	HP5973X
Lims Batch ID:	57955	Lims Sample ID:	2
Operator ID:	RMM	Injection Vol:	1.00 ul
Column Type:	RXI-5Sil MS	Column Dia:	0.25 mm

Y Scaling:



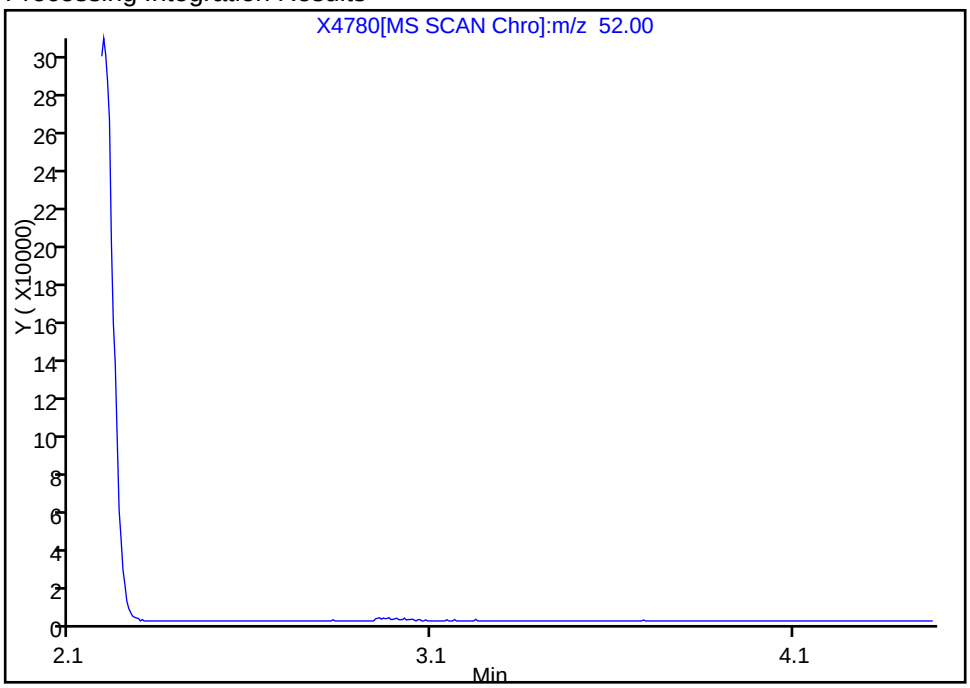
Manual Integration/User Assign Peak Report

Data File:	\\Bufchrom\ChromData\HP5973X\20120403-10684.b\X4780.D		
Injection Date:	03-Apr-2012 13:29:30	Limit Group:	MB - 8270C ICAL
Client ID:		Instrument ID:	HP5973X
Lims Batch ID:	57955	Lims Sample ID:	2
Operator ID:	RMM	Injection Vol:	1.00 ul
Column Type:	RXI-5Sil MS	Column Dia:	0.25 mm

56 Pyridine, Signal: 1, m/z: 52.0 Type: quant, RT: 2.89

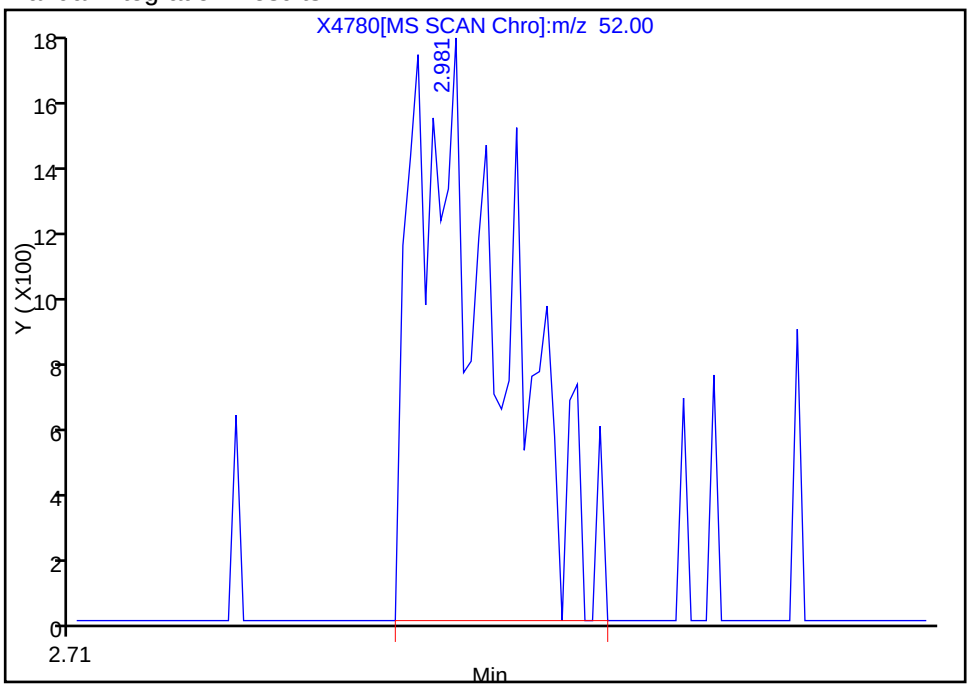
Processing Integration Results

Not Detected
Expected RT: 2.89



Manual Integration Results

RT: 2.98
Response: 7649
Amount: 4.326583



Reviewer: mckernar, 03-Apr-2012 14:45:55
Audit Action: Manually Integrated
Audit Reason: Assign Peak

Report Date: 03-Apr-2012 16:47:44 Chrom Revision: 2.0 20-Feb-2012 13:27:02

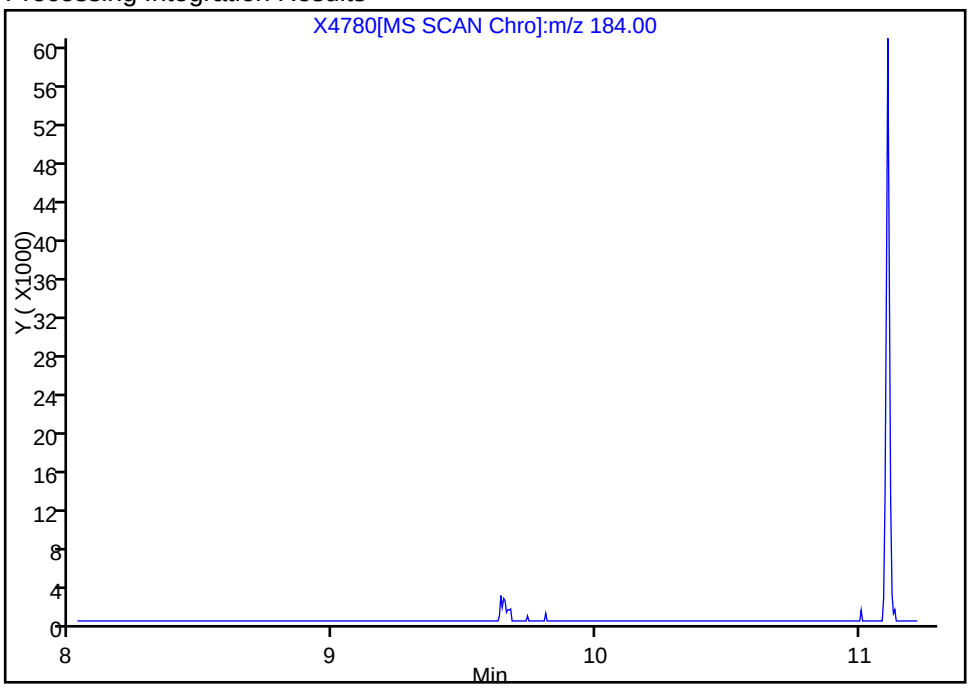
Manual Integration/User Assign Peak Report

Data File:	\\Bufchrom\ChromData\HP5973X\20120403-10684.b\X4780.D		
Injection Date:	03-Apr-2012 13:29:30	Limit Group:	MB - 8270C ICAL
Client ID:		Instrument ID:	HP5973X
Lims Batch ID:	57955	Lims Sample ID:	2
Operator ID:	RMM	Injection Vol:	1.00 ul
Column Type:	RXI-5Sil MS	Column Dia:	0.25 mm

134 2,4-Dinitrophenol, Signal: 1, m/z: 184.0 Type: quant, RT: 9.63

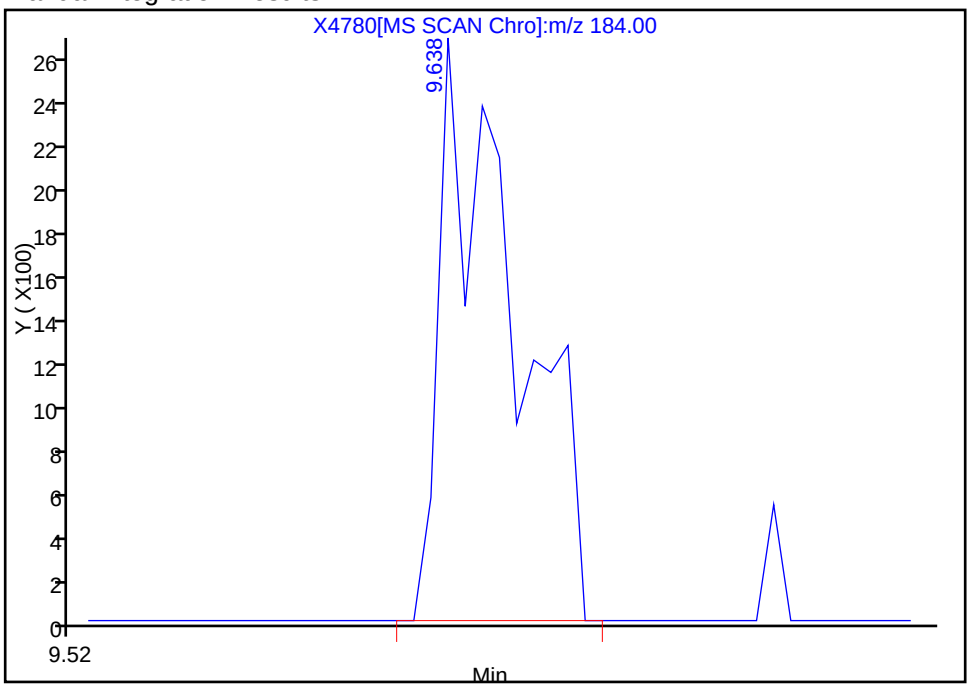
Not Detected
Expected RT: 9.63

Processing Integration Results



Manual Integration Results

RT: 9.64
Response: 4313
Amount: 10.497916



Reviewer: mckernar, 03-Apr-2012 14:45:55
Audit Action: Manually Integrated
Audit Reason: Assign Peak

Report Date: 03-Apr-2012 16:47:44 Chrom Revision: 2.0 20-Feb-2012 13:27:02

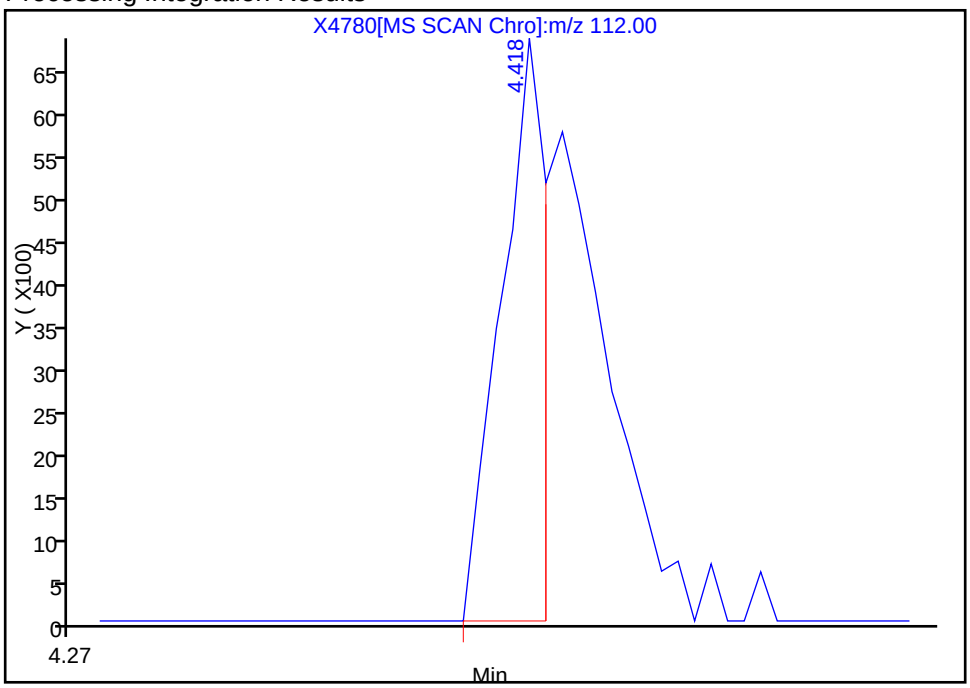
Manual Integration/User Assign Peak Report

Data File:	\\Bufchrom\ChromData\HP5973X\20120403-10684.b\X4780.D		
Injection Date:	03-Apr-2012 13:29:30	Limit Group:	MB - 8270C ICAL
Client ID:		Instrument ID:	HP5973X
Lims Batch ID:	57955	Lims Sample ID:	2
Operator ID:	RMM	Injection Vol:	1.00 ul
Column Type:	RXI-5Sil MS	Column Dia:	0.25 mm

$ 7 2-Fluorophenol, Signal: 1, m/z: 112.0 Type: quant, RT: 4.42

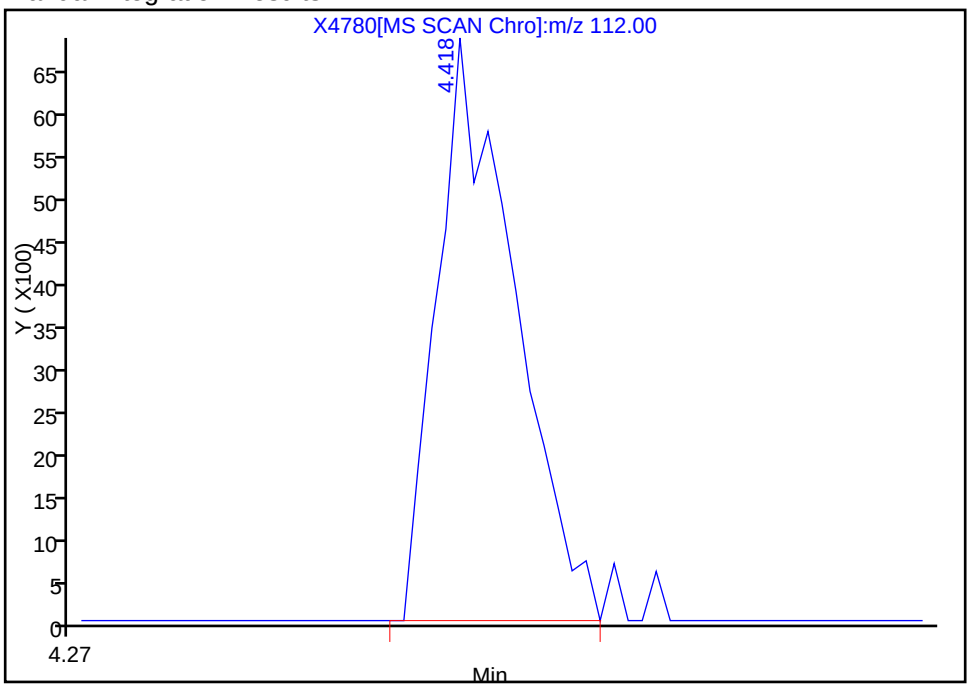
Processing Integration Results

RT: 4.42
Response: 6990
Amount: 2.708776



Manual Integration Results

RT: 4.42
Response: 14011
Amount: 4.589934



Reviewer: mckernar, 03-Apr-2012 14:45:55
Audit Action: Manually Integrated
Audit Reason: Split Peak

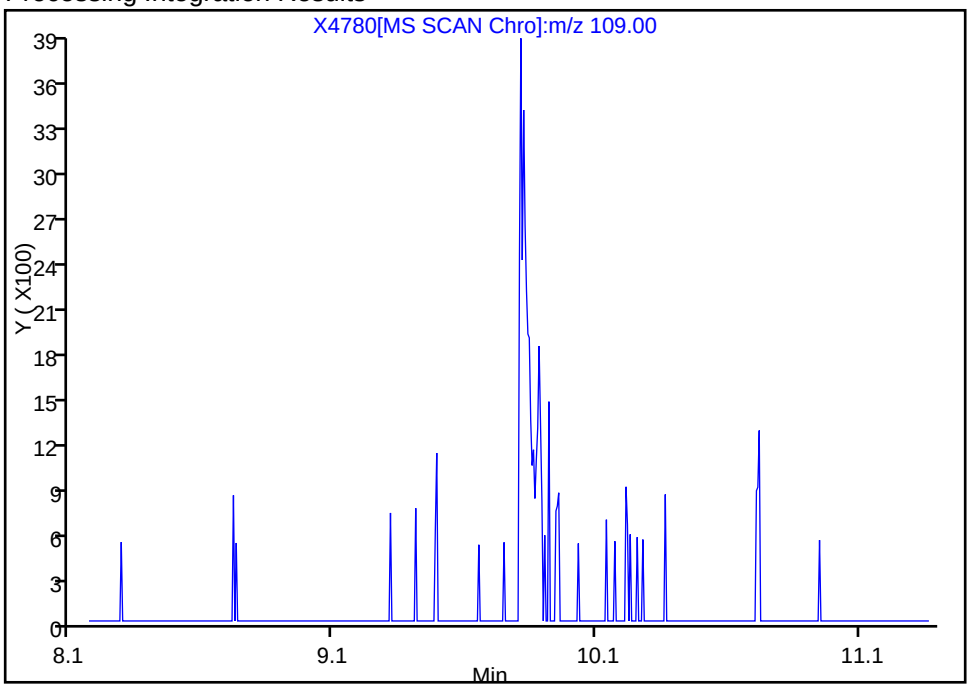
Manual Integration/User Assign Peak Report

Data File:	\\Bufchrom\ChromData\HP5973X\20120403-10684.b\X4780.D		
Injection Date:	03-Apr-2012 13:29:30	Limit Group:	MB - 8270C ICAL
Client ID:		Instrument ID:	HP5973X
Lims Batch ID:	57955	Lims Sample ID:	2
Operator ID:	RMM	Injection Vol:	1.00 ul
Column Type:	RXI-5Sil MS	Column Dia:	0.25 mm

135 4-Nitrophenol, Signal: 1, m/z: 109.0 Type: quant, RT: 9.77

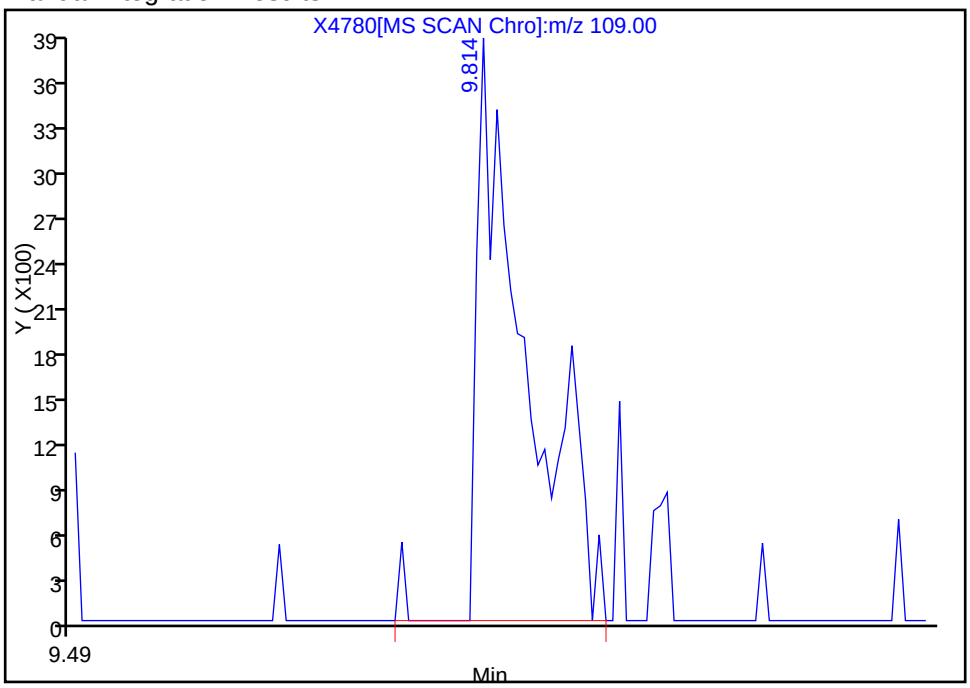
Processing Integration Results

Not Detected
Expected RT: 9.77



Manual Integration Results

RT: 9.81
Response: 10467
Amount: 7.395898



Reviewer: mckernar, 03-Apr-2012 15:20:29
Audit Action: Manually Integrated
Audit Reason: Split Peak

Report Date: 03-Apr-2012 16:47:44 Chrom Revision: 2.0 20-Feb-2012 13:27:02

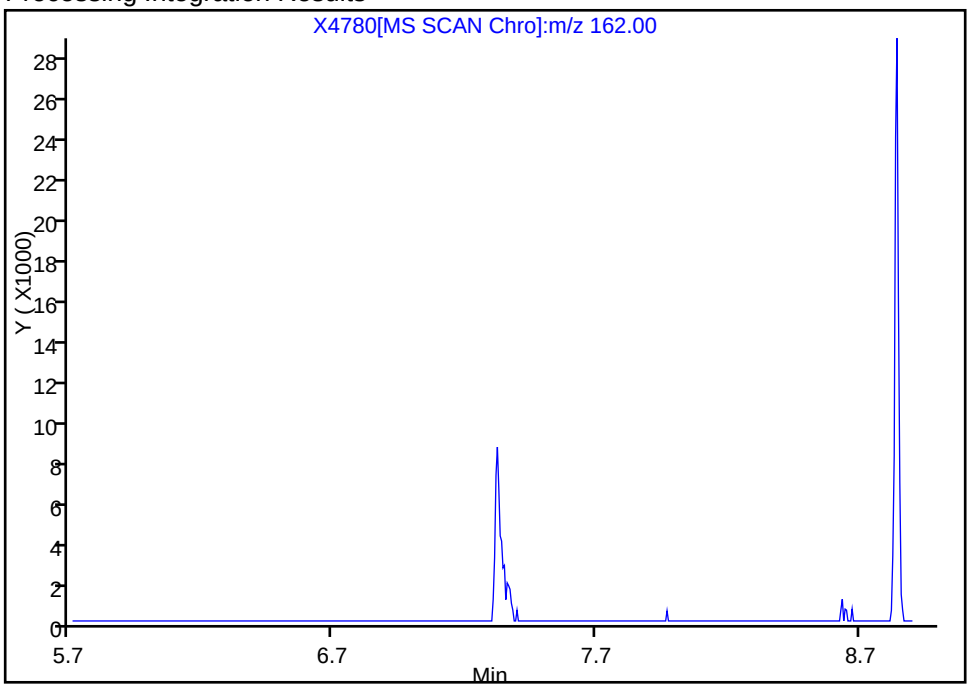
Manual Integration/User Assign Peak Report

Data File:	\\Bufchrom\ChromData\HP5973X\20120403-10684.b\X4780.D		
Injection Date:	03-Apr-2012 13:29:30	Limit Group:	MB - 8270C ICAL
Client ID:		Instrument ID:	HP5973X
Lims Batch ID:	57955	Lims Sample ID:	2
Operator ID:	RMM	Injection Vol:	1.00 ul
Column Type:	RXI-5Sil MS	Column Dia:	0.25 mm

97 2,4-Dichlorophenol, Signal: 1, m/z: 162.0 Type: quant, RT: 7.31

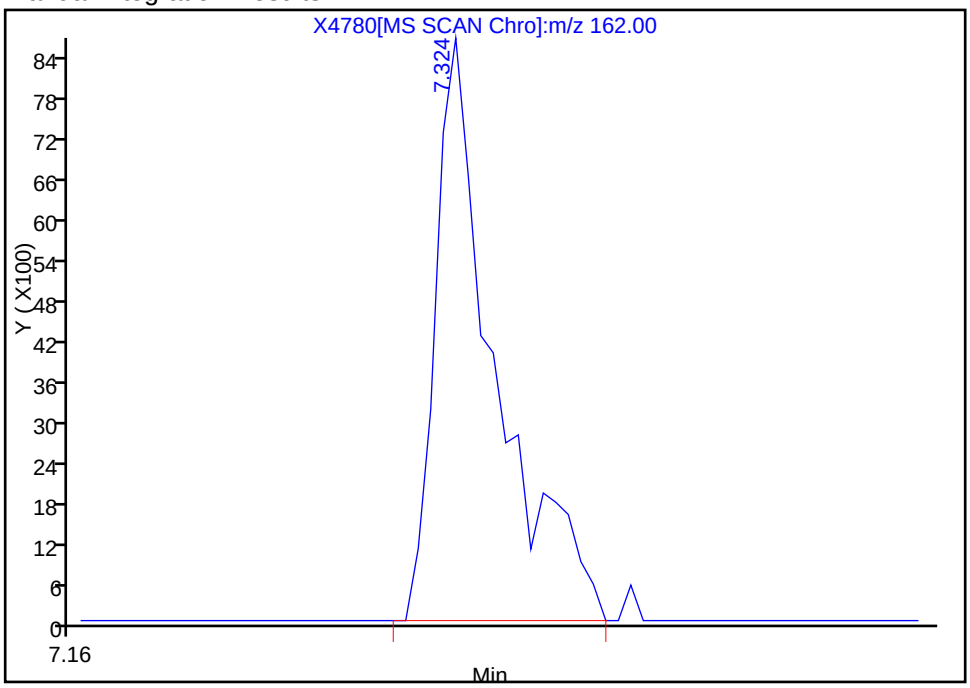
Processing Integration Results

Not Detected
Expected RT: 7.31



Manual Integration Results

RT: 7.32
Response: 15358
Amount: 5.386884



Reviewer: mckernar, 03-Apr-2012 14:45:55
Audit Action: Manually Integrated
Audit Reason: Assign Peak

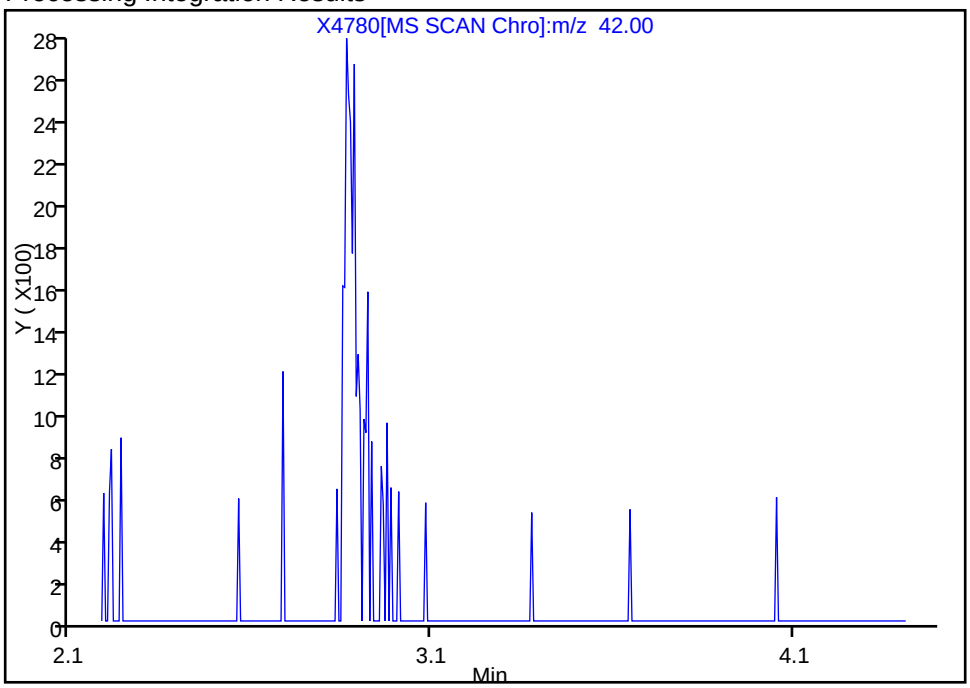
Manual Integration/User Assign Peak Report

Data File:	\\Bufchrom\ChromData\HP5973X\20120403-10684.b\X4780.D		
Injection Date:	03-Apr-2012 13:29:30	Limit Group:	MB - 8270C ICAL
Client ID:		Instrument ID:	HP5973X
Lims Batch ID:	57955	Lims Sample ID:	2
Operator ID:	RMM	Injection Vol:	1.00 ul
Column Type:	RXI-5Sil MS	Column Dia:	0.25 mm

55 N-Nitrosodimethylamine, Signal: 1, m/z: 42.0 Type: quant, RT: 2.82

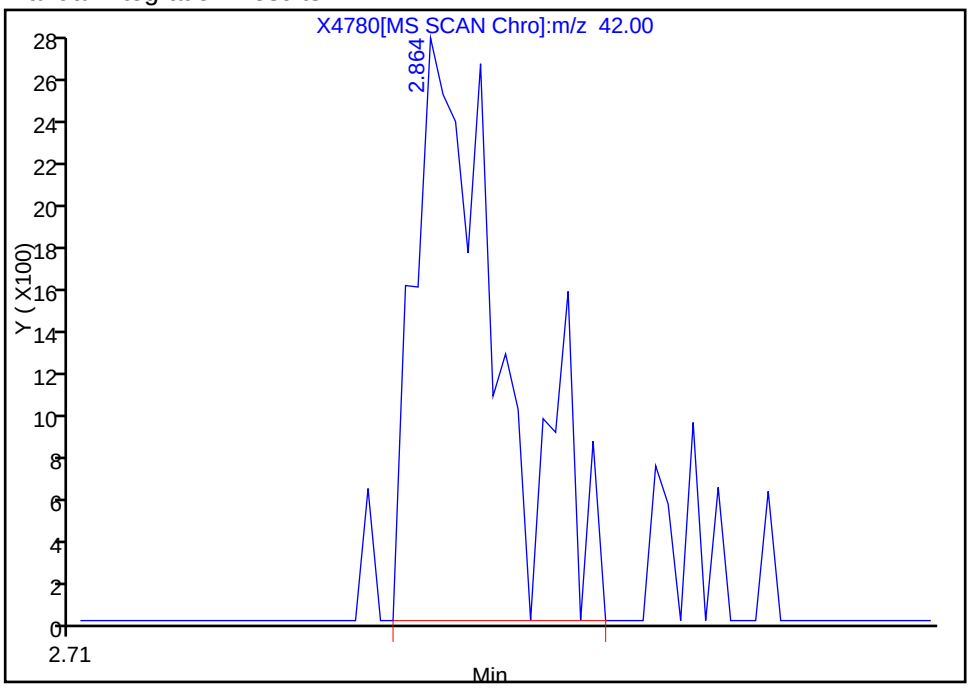
Not Detected
Expected RT: 2.82

Processing Integration Results



Manual Integration Results

RT: 2.86
Response: 7341
Amount: 3.952421



Reviewer: mckernar, 03-Apr-2012 14:45:55
Audit Action: Manually Integrated
Audit Reason: Assign Peak

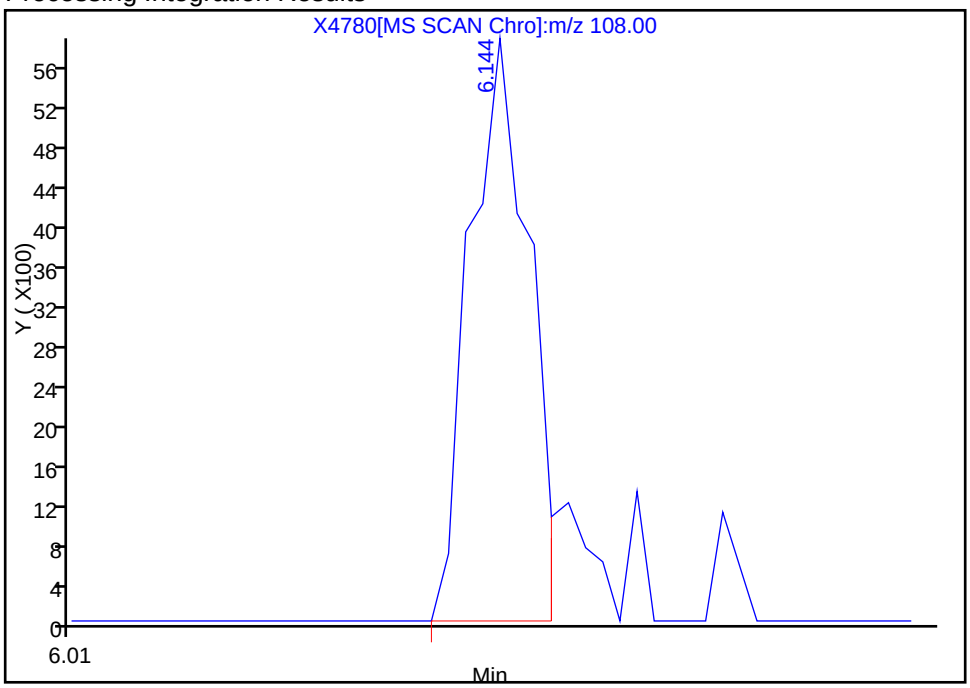
Manual Integration/User Assign Peak Report

Data File:	\\Bufchrom\ChromData\HP5973X\20120403-10684.b\X4780.D		
Injection Date:	03-Apr-2012 13:29:30	Limit Group:	MB - 8270C ICAL
Client ID:		Instrument ID:	HP5973X
Lims Batch ID:	57955	Lims Sample ID:	2
Operator ID:	RMM	Injection Vol:	1.00 ul
Column Type:	RXI-5Sil MS	Column Dia:	0.25 mm

71 Benzyl alcohol, Signal: 1, m/z: 108.0 Type: quant, RT: 6.13

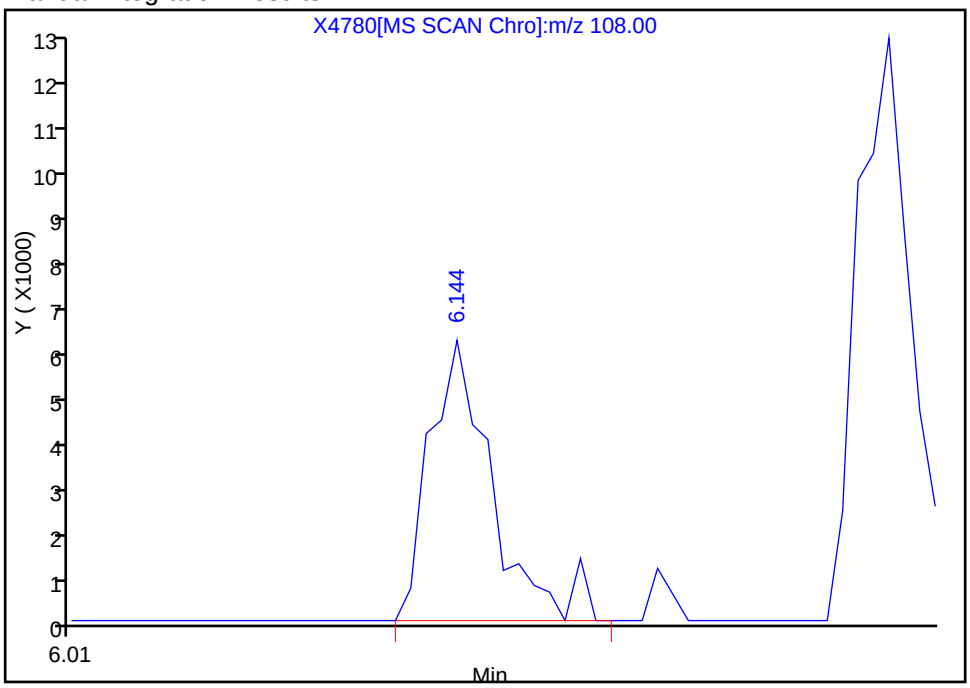
Processing Integration Results

RT: 6.14
Response: 7519
Amount: 3.730471



Manual Integration Results

RT: 6.14
Response: 8737
Amount: 3.885198



Reviewer: mckernar, 03-Apr-2012 14:45:55
Audit Action: Manually Integrated
Audit Reason: Peak Tail

TestAmerica Laboratories
Target Compound Quantitation Report

Data File:	\\Bufchrom\ChromData\HP5973X\20120403-10684.b\X4781.D		
Lims ID:	IC - 20 PT	Client ID:	
Inject. Date:	03-Apr-2012 13:52:30	Dil. Factor:	1.0000
Sample Type:	IC	Calib Level:	2
Sample ID:	480-0010684-003		
Misc. Info.:			
Operator:	RMM	Instrument ID:	HP5973X
Vol. Injected:	1.0000	ALS Bottle#:	3
Lims Batch ID:	57955	Lims Sample ID:	3
Sublist:	chrom-X-8270*sub28		
Detector:	MS SCAN		
Method:	\\Bufchrom\ChromData\HP5973X\20120403-10684.b\X-8270.m		
Last Update:	03-Apr-2012 16:47:41	Calib Date:	03-Apr-2012 15:26:30
Quant Method:	Internal Standard	Quant By:	Initial Calibration
Last ICal File:	\\Bufchrom\ChromData\HP5973X\20120403-10684.b\X4785.D		
Limit Group:	MB - 8270C ICAL		
Integrator:	RTE	ID Type:	Deconvolution ID
Process Host:	CORP-CTX-16		
First Level Reviewer: mckernar		Date:	03-Apr-2012 16:47:41

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ng/uL	Flags
* 1 1,4-Dichlorobenzene-d4	152	5.941	5.940	0.001	93	91620	40.0	
* 2 Naphthalene-d8	136	7.437	7.442	-0.005	93	332865	40.0	
* 3 Acenaphthene-d10	164	9.493	9.493	0.0	83	233530	40.0	
* 4 Phenanthrene-d10	188	11.112	11.112	0.0	99	393854	40.0	
* 5 Chrysene-d12	240	13.521	13.521	0.0	99	348808	40.0	
* 6 Perylene-d12	264	14.745	14.744	0.001	98	332092	40.0	
$ 7 2-Fluorophenol	112	4.418	4.418	0.0	94	59892	20.8	
$ 8 Phenol-d5	99	5.561	5.566	-0.005	82	77454	19.4	
$ 9 Nitrobenzene-d5	82	6.603	6.603	0.0	93	84563	20.8	
$ 10 2-Fluorobiphenyl	172	8.713	8.718	-0.005	99	144842	20.3	
$ 11 2,4,6-Tribromophenol	330	10.407	10.401	0.006	68	23999	19.7	
$ 12 p-Terphenyl-d14	244	12.608	12.608	0.0	99	165687	21.7	
55 N-Nitrosodimethylamine	42	2.826	2.815	0.011	82	35055	20.0	M
56 Pyridine	52	2.917	2.890	0.027	81	35448	21.2	M
64 Aniline	93	5.567	5.566	0.001	87	105098	20.1	
63 Phenol	94	5.577	5.583	-0.005	83	83862	18.7	
66 Bis(2-chloroethyl)ether	93	5.642	5.647	-0.005	82	62078	20.0	
67 2-Chlorophenol	128	5.706	5.705	0.001	90	56841	19.1	
69 1,3-Dichlorobenzene	146	5.871	5.871	0.0	96	72271	20.9	
70 1,4-Dichlorobenzene	146	5.962	5.962	0.0	95	72408	20.6	
71 Benzyl alcohol	108	6.133	6.133	0.0	91	40667	19.2	
72 1,2-Dichlorobenzene	146	6.138	6.138	0.0	94	64900	19.1	
74 2,2'-oxybis[1-chloropropane]	45	6.283	6.282	0.001	73	53422	19.6	
73 2-Methylphenol	108	6.288	6.282	0.006	92	60365	20.3	
78 N-Nitrosodi-n-propylamine	70	6.432	6.437	-0.005	90	54953	20.4	
79 4-Methylphenol	108	6.475	6.475	0.0	96	57669	19.4	
81 Hexachloroethane	117	6.528	6.528	0.0	92	29865	21.0	
83 Nitrobenzene	77	6.625	6.624	0.001	91	82852	21.4	
86 Isophorone	82	6.913	6.918	-0.005	98	141157	20.8	
87 2-Nitrophenol	139	6.998	7.004	-0.006	90	31356	20.0	

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ng/uL	Flags
89 2,4-Dimethylphenol	107	7.089	7.089	0.0	95	75390	20.5	
90 Tetraethyl lead	237	7.089	7.094	-0.005	55	31506	21.4	
94 Bis(2-chloroethoxy)methane	93	7.180	7.180	0.0	97	74439	21.1	
97 2,4-Dichlorophenol	162	7.314	7.308	0.006	90	51367	19.7	
95 Benzoic acid	105	7.319	7.329	-0.010	80	314402	122.0	
98 1,2,4-Trichlorobenzene	180	7.378	7.378	0.0	90	57409	20.6	
99 Naphthalene	128	7.463	7.463	0.0	96	163257	20.2	
101 4-Chloroaniline	127	7.559	7.554	0.005	97	72117	21.6	
104 Hexachlorobutadiene	225	7.613	7.613	0.0	86	37297	20.3	
110 4-Chloro-3-methylphenol	107	8.163	8.163	0.0	95	62806	19.8	
113 2-Methylnaphthalene	142	8.275	8.280	-0.005	98	120294	20.4	
116 Hexachlorocyclopentadiene	237	8.457	8.457	0.0	90	27819	18.5	
118 2,4,6-Trichlorophenol	196	8.628	8.633	-0.005	92	41739	20.5	
119 2,4,5-Trichlorophenol	196	8.703	8.692	0.011	92	42475	21.5	
124 2-Chloronaphthalene	162	8.847	8.847	0.0	98	122481	21.0	
125 2-Nitroaniline	65	9.002	9.002	0.0	95	44699	20.7	
128 Dimethyl phthalate	163	9.216	9.221	-0.005	99	153440	21.4	
130 2,6-Dinitrotoluene	165	9.290	9.290	0.0	77	31383	19.6	
131 Acenaphthylene	152	9.328	9.327	0.001	98	194933	20.6	
132 3-Nitroaniline	138	9.499	9.498	0.001	49	32360	19.9	
133 Acenaphthene	153	9.531	9.536	-0.005	97	121761	21.3	
134 2,4-Dinitrophenol	184	9.632	9.627	0.005	69	13659	19.7	M
138 Dibenzofuran	168	9.739	9.739	0.0	99	175515	20.5	
137 2,4-Dinitrotoluene	165	9.766	9.765	0.001	91	43148	19.6	
135 4-Nitrophenol	109	9.798	9.771	0.027	64	25265	18.4	M
142 Diethyl phthalate	149	10.038	10.038	0.0	99	157219	20.7	
144 Fluorene	166	10.124	10.129	-0.005	98	143101	19.6	
145 4-Chlorophenyl phenyl ether	204	10.140	10.139	0.001	93	78174	20.2	
147 4-Nitroaniline	138	10.198	10.198	0.0	92	31028	19.3	
148 4,6-Dinitro-2-methylphenol	198	10.225	10.225	0.0	87	25403	19.0	
149 N-Nitrosodiphenylamine	169	10.279	10.278	0.001	99	105614	20.4	
152 1,2-Diphenylhydrazine	77	10.311	10.310	0.001	97	181689	21.5	
159 4-Bromophenyl phenyl ether	248	10.663	10.663	0.0	91	45586	20.9	
160 Hexachlorobenzene	284	10.717	10.716	0.001	95	48905	20.8	
165 Pentachlorophenol	266	10.952	10.946	0.006	74	19362	18.2	M
171 Phenanthrene	178	11.133	11.138	-0.005	99	210652	20.1	
172 Anthracene	178	11.187	11.187	0.0	99	218051	21.0	
173 Carbazole	167	11.368	11.368	0.0	99	186943	20.3	
176 Di-n-butyl phthalate	149	11.705	11.705	0.0	100	251800	21.0	
182 Fluoranthene	202	12.261	12.266	-0.005	98	220718	20.3	
183 Benzidine	184	12.405	12.405	0.0	99	138161	22.1	
185 Pyrene	202	12.464	12.469	-0.005	96	222836	22.2	
191 3,3'-Dimethylbenzidine	212	13.030	13.035	-0.005	97	134611	21.9	
192 Butyl benzyl phthalate	149	13.035	13.035	0.0	93	111259	21.4	
196 3,3'-Dichlorobenzidine	252	13.495	13.494	0.001	53	82709	20.9	
197 Benzo[a]anthracene	228	13.511	13.510	0.001	94	199031	20.6	
198 Bis(2-ethylhexyl) phthalate	149	13.521	13.521	0.0	65	149725	21.2	
199 Chrysene	228	13.543	13.548	-0.005	91	186376	21.5	
201 Di-n-octyl phthalate	149	14.056	14.061	-0.005	100	230756	21.6	
203 Benzo[b]fluoranthene	252	14.408	14.413	-0.005	98	185267	19.8	
204 Benzo[k]fluoranthene	252	14.430	14.435	-0.005	94	213690	21.5	
206 Benzo[a]pyrene	252	14.691	14.696	-0.005	98	153636	19.6	

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ng/uL	Flags
208 Indeno[1,2,3-cd]pyrene	276	15.765	15.765	0.0	89	200383	20.0	
209 Dibenz(a,h)anthracene	278	15.770	15.770	0.0	82	173068	19.0	
210 Benzo[g,h,i]perylene	276	16.054	16.059	-0.005	98	162370	19.7	
S 212 3 & 4 Methylphenol	108				0		19.4	
S 213 Total Cresols	1				0		39.7	
S 214 3-Methylphenol	1				0		19.4	

QC Flag Legend

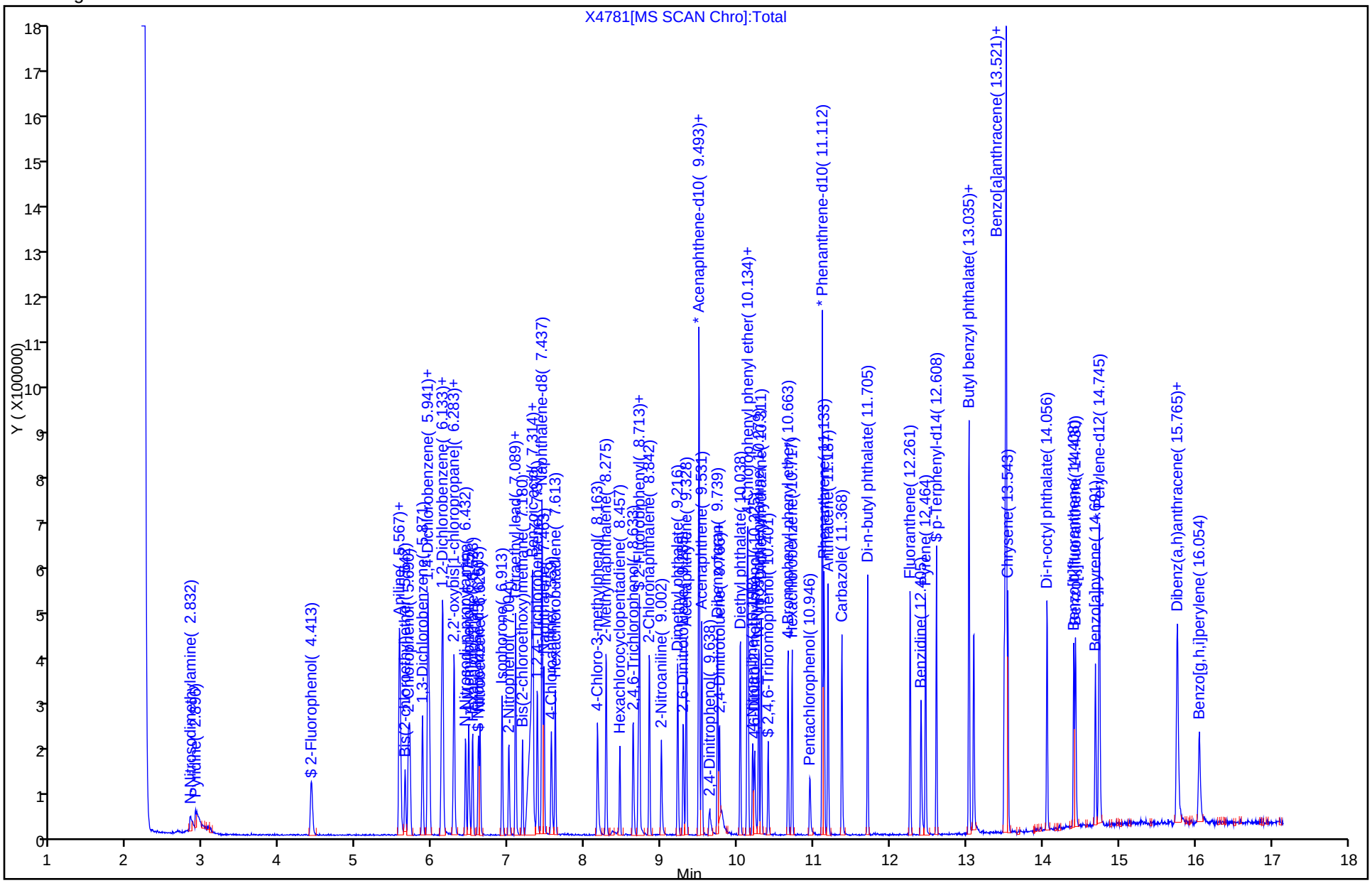
Review Flags
M - Manually Integrated

Report Date: 03-Apr-2012 16:47:41 Chrom Revision: 2.0 20-Feb-2012 13:27:02

Data File: \\Bufchrom\ChromData\HP5973X\20120403-10684.b\X4781.D

Injection Date:	03-Apr-2012 13:52:30	Limit Group:	MB - 8270C ICAL
Client ID:		Instrument ID:	HP5973X
Lims Batch ID:	57955	Lims Sample ID:	3
Operator ID:	RMM	Injection Vol:	1.00 ul
Column Type:	RXI-5Sil MS	Column Dia:	0.25 mm

Y Scaling:



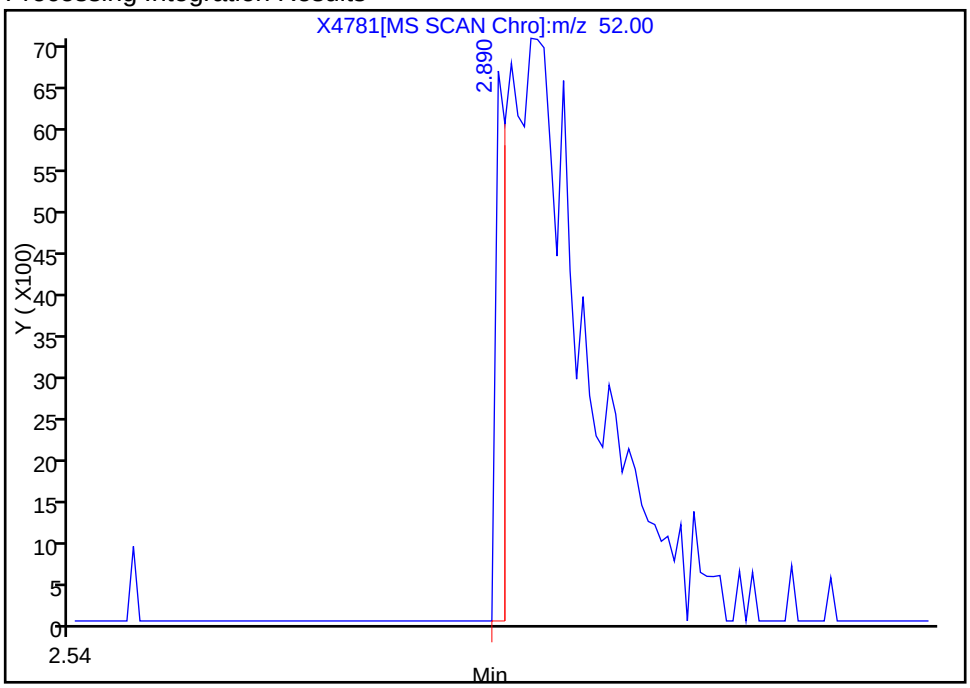
Manual Integration/User Assign Peak Report

Data File:	\\Bufchrom\ChromData\HP5973X\20120403-10684.b\X4781.D		
Injection Date:	03-Apr-2012 13:52:30	Limit Group:	MB - 8270C ICAL
Client ID:		Instrument ID:	HP5973X
Lims Batch ID:	57955	Lims Sample ID:	3
Operator ID:	RMM	Injection Vol:	1.00 ul
Column Type:	RXI-5Sil MS	Column Dia:	0.25 mm

56 Pyridine, Signal: 1, m/z: 52.0 Type: quant, RT: 2.89

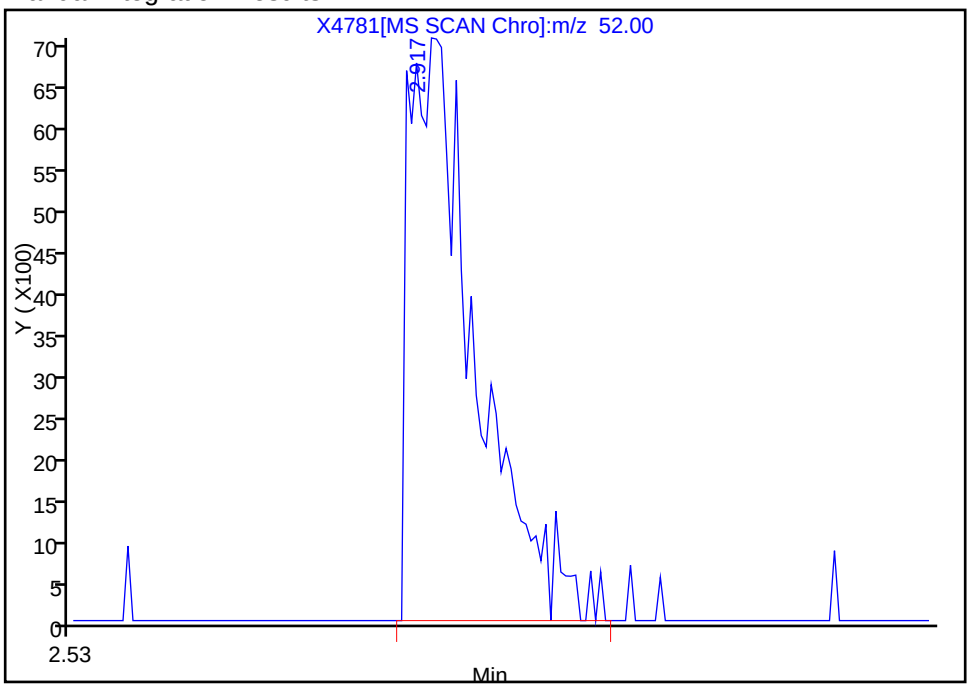
Processing Integration Results

RT: 2.89
Response: 4052
Amount: 3.968794



Manual Integration Results

RT: 2.92
Response: 35448
Amount: 21.245726



Reviewer: mckernar, 03-Apr-2012 14:40:48
Audit Action: Manually Integrated
Audit Reason: Split Peak

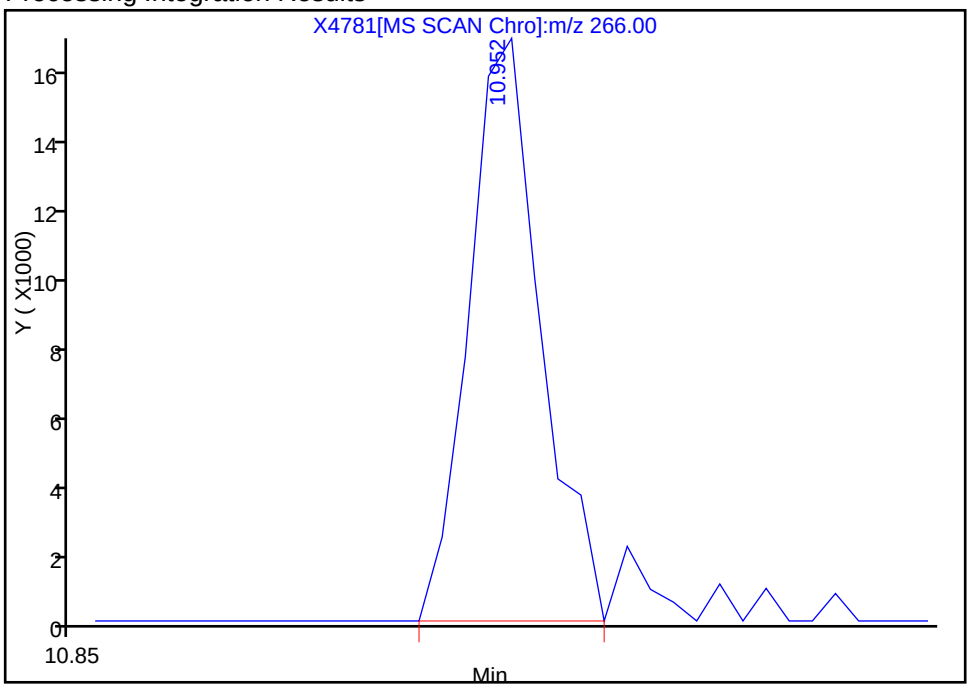
Manual Integration/User Assign Peak Report

Data File:	\\Bufchrom\ChromData\HP5973X\20120403-10684.b\X4781.D		
Injection Date:	03-Apr-2012 13:52:30	Limit Group:	MB - 8270C ICAL
Client ID:		Instrument ID:	HP5973X
Lims Batch ID:	57955	Lims Sample ID:	3
Operator ID:	RMM	Injection Vol:	1.00 ul
Column Type:	RXI-5Sil MS	Column Dia:	0.25 mm

165 Pentachlorophenol, Signal: 1, m/z: 266.0 Type: quant, RT: 10.95

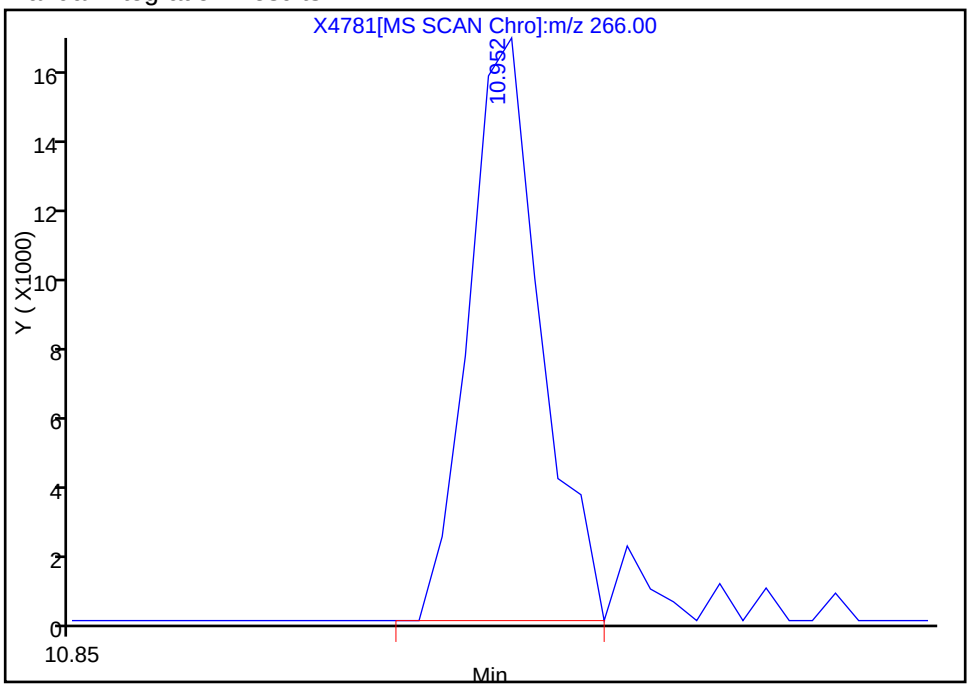
Processing Integration Results

RT: 10.95
Response: 19366
Amount: 17.780219



Manual Integration Results

RT: 10.95
Response: 19362
Amount: 18.246107



Reviewer: mckernar, 03-Apr-2012 14:41:42
Audit Action: Manually Integrated
Audit Reason: Assign Peak

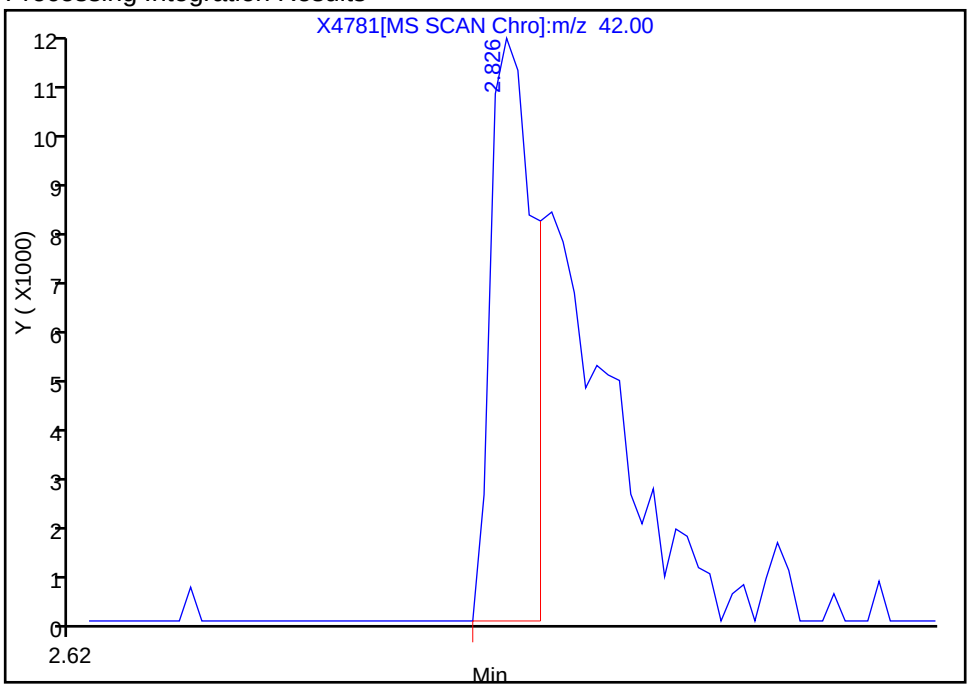
Manual Integration/User Assign Peak Report

Data File:	\\Bufchrom\ChromData\HP5973X\20120403-10684.b\X4781.D		
Injection Date:	03-Apr-2012 13:52:30	Limit Group:	MB - 8270C ICAL
Client ID:		Instrument ID:	HP5973X
Lims Batch ID:	57955	Lims Sample ID:	3
Operator ID:	RMM	Injection Vol:	1.00 ul
Column Type:	RXI-5Sil MS	Column Dia:	0.25 mm

55 N-Nitrosodimethylamine, Signal: 1, m/z: 42.0 Type: quant, RT: 2.82

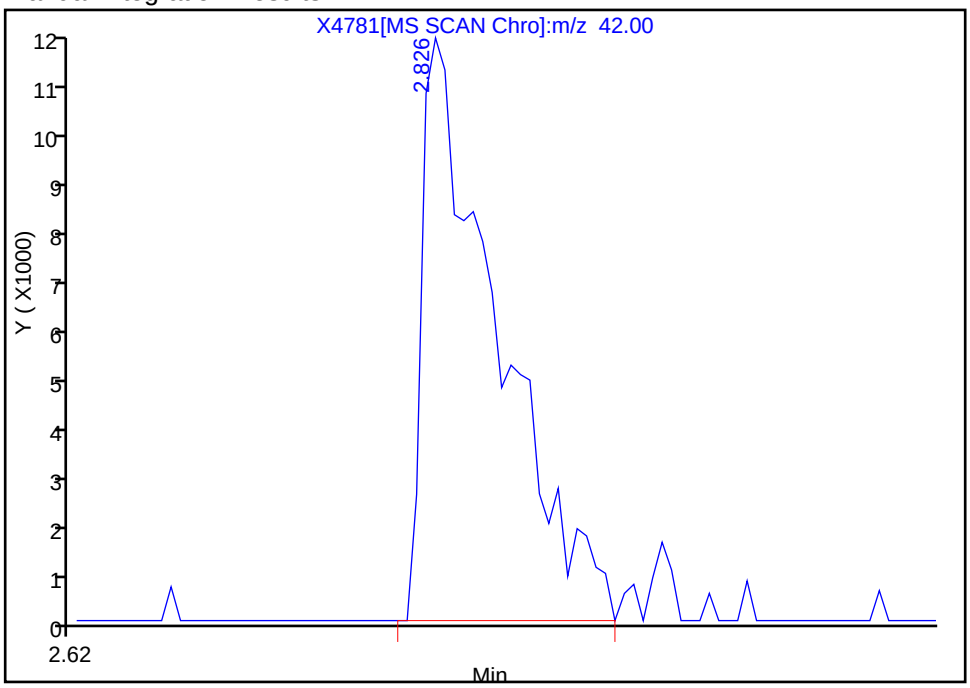
Processing Integration Results

RT: 2.83
Response: 16958
Amount: 11.867550



Manual Integration Results

RT: 2.83
Response: 35055
Amount: 19.998500



Reviewer: mckernar, 03-Apr-2012 14:40:48
Audit Action: Manually Integrated
Audit Reason: Split Peak

Report Date: 03-Apr-2012 16:47:41 Chrom Revision: 2.0 20-Feb-2012 13:27:02

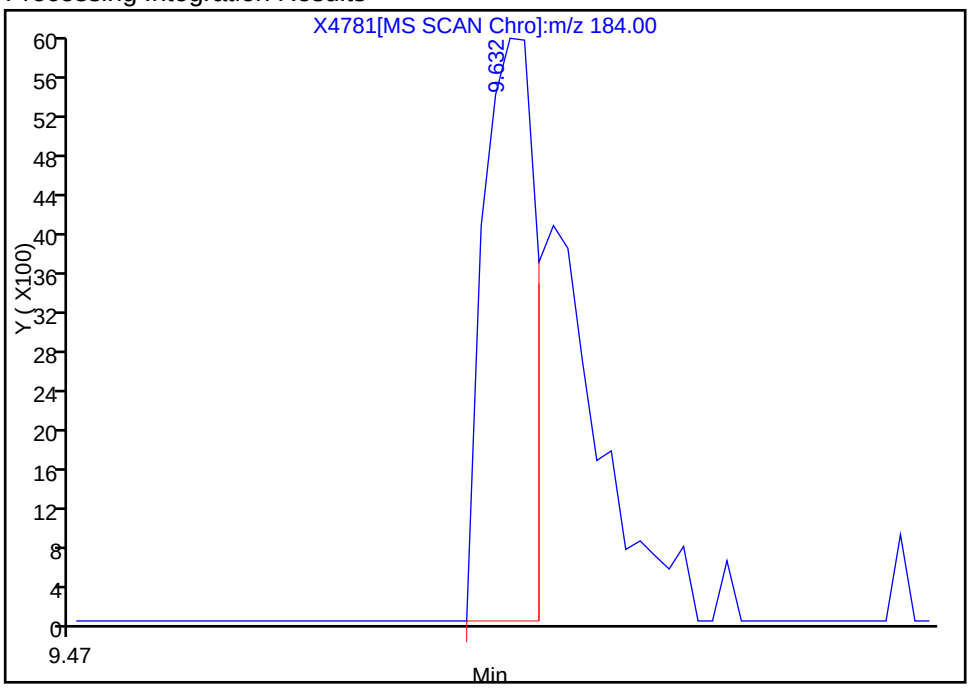
Manual Integration/User Assign Peak Report

Data File:	\\Bufchrom\ChromData\HP5973X\20120403-10684.b\X4781.D		
Injection Date:	03-Apr-2012 13:52:30	Limit Group:	MB - 8270C ICAL
Client ID:		Instrument ID:	HP5973X
Lims Batch ID:	57955	Lims Sample ID:	3
Operator ID:	RMM	Injection Vol:	1.00 ul
Column Type:	RXI-5Sil MS	Column Dia:	0.25 mm

134 2,4-Dinitrophenol, Signal: 1, m/z: 184.0 Type: quant, RT: 9.63

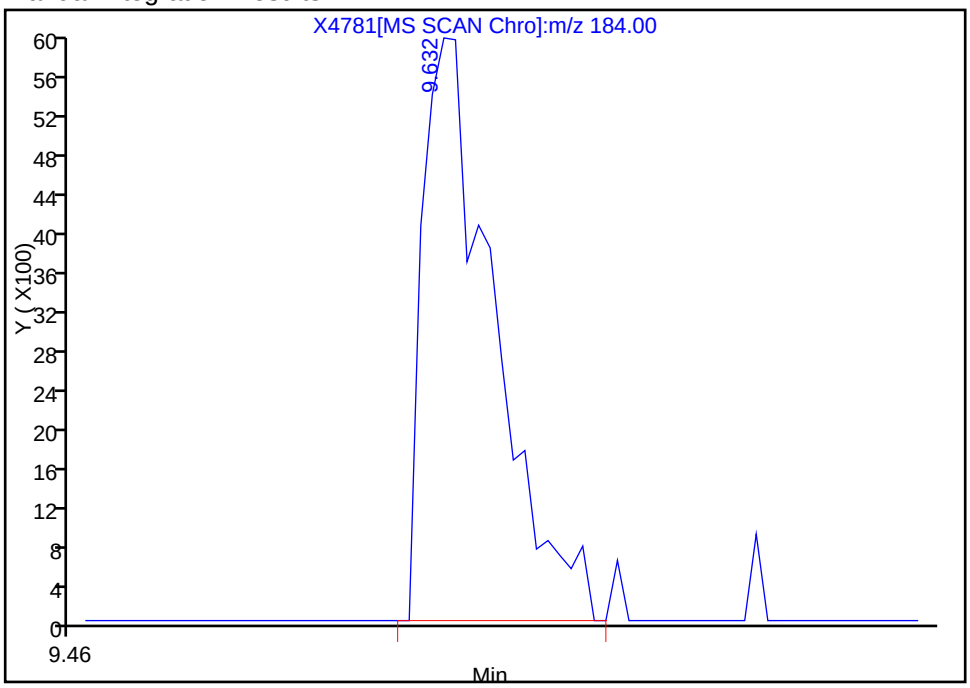
Processing Integration Results

RT: 9.63
Response: 8052
Amount: 20.000000



Manual Integration Results

RT: 9.63
Response: 13659
Amount: 19.681600



Reviewer: mckernar, 03-Apr-2012 14:40:48
Audit Action: Manually Integrated
Audit Reason: Split Peak

Report Date: 03-Apr-2012 16:47:41 Chrom Revision: 2.0 20-Feb-2012 13:27:02

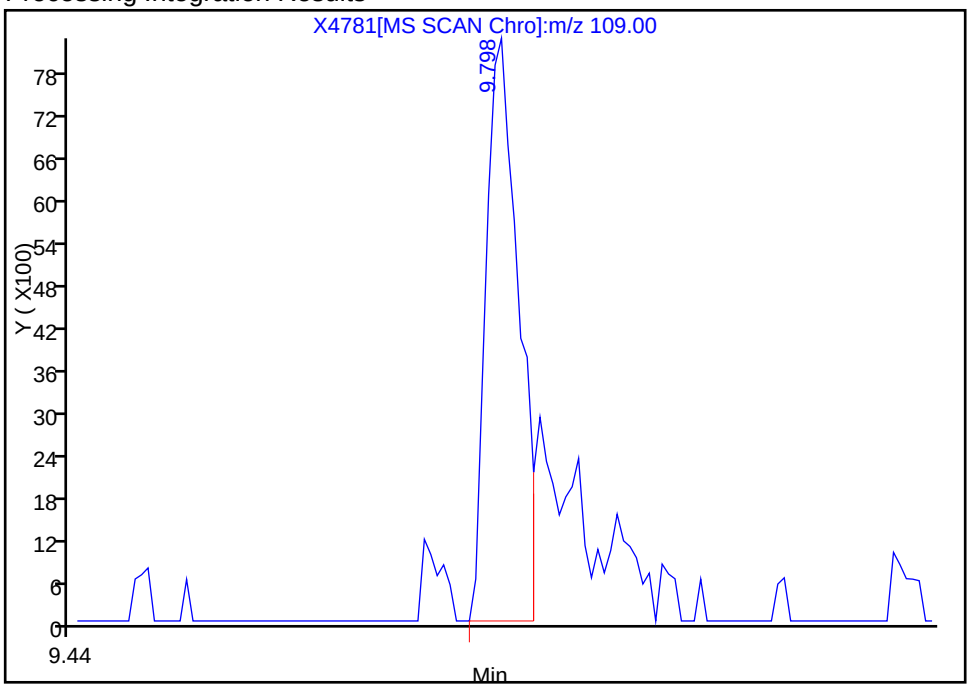
Manual Integration/User Assign Peak Report

Data File:	\\Bufchrom\ChromData\HP5973X\20120403-10684.b\X4781.D		
Injection Date:	03-Apr-2012 13:52:30	Limit Group:	MB - 8270C ICAL
Client ID:		Instrument ID:	HP5973X
Lims Batch ID:	57955	Lims Sample ID:	3
Operator ID:	RMM	Injection Vol:	1.00 ul
Column Type:	RXI-5Sil MS	Column Dia:	0.25 mm

135 4-Nitrophenol, Signal: 1, m/z: 109.0 Type: quant, RT: 9.77

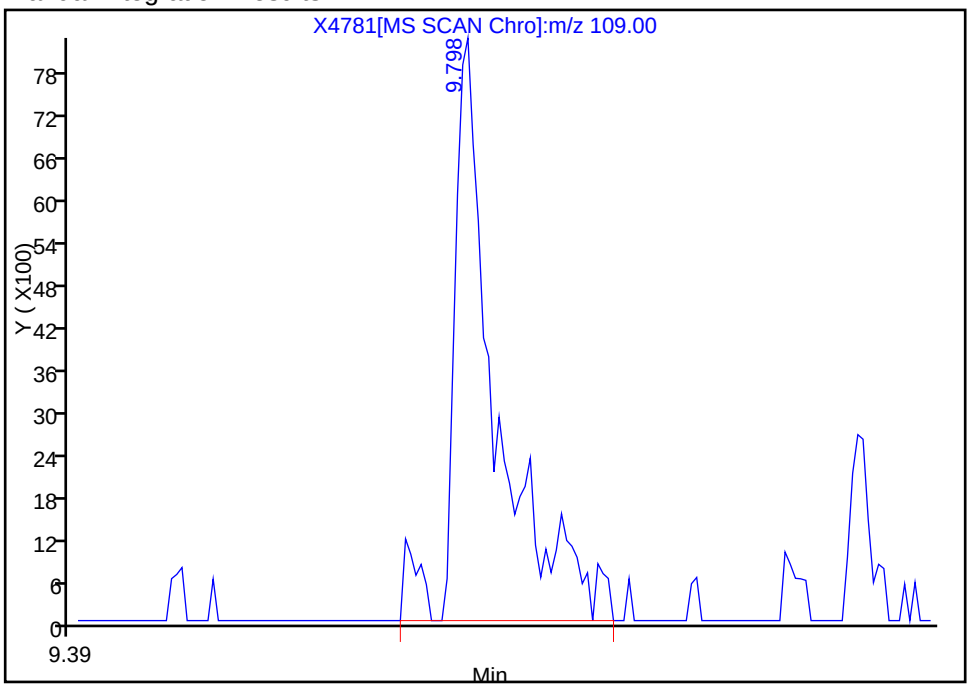
Processing Integration Results

RT: 9.80
Response: 15428
Amount: 14.044685



Manual Integration Results

RT: 9.80
Response: 25265
Amount: 18.429200



Reviewer: mckernar, 03-Apr-2012 15:19:55
Audit Action: Manually Integrated
Audit Reason: Split Peak

TestAmerica Laboratories
Target Compound Quantitation Report

Data File:	\\Bufchrom\ChromData\HP5973X\20120403-10684.b\X4782.D		
Lims ID:	ICIS - 50 PT	Client ID:	
Inject. Date:	03-Apr-2012 14:16:30	Dil. Factor:	1.0000
Sample Type:	ICIS	Calib Level:	3
Sample ID:	480-0010684-004		
Misc. Info.:			
Operator:	RMM	Instrument ID:	HP5973X
Vol. Injected:	1.0000	ALS Bottle#:	4
Lims Batch ID:	57955	Lims Sample ID:	4
Sublist:	chrom-X-8270*sub28		
Detector:	MS SCAN		
Method:	\\Bufchrom\ChromData\HP5973X\20120403-10684.b\X-8270.m		
Last Update:	03-Apr-2012 16:47:38	Calib Date:	03-Apr-2012 15:26:30
Quant Method:	Internal Standard	Quant By:	Initial Calibration
Last ICal File:	\\Bufchrom\ChromData\HP5973X\20120403-10684.b\X4785.D		
Limit Group:	MB - 8270C ICAL		
Integrator:	RTE	ID Type:	Deconvolution ID
Process Host:	CORP-CTX-16		
First Level Reviewer: mckernar		Date:	03-Apr-2012 16:47:38

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ng/uL	Flags
* 1 1,4-Dichlorobenzene-d4	152	5.940	5.940	0.0	96	86462	40.0	
* 2 Naphthalene-d8	136	7.442	7.442	0.0	86	326590	40.0	
* 3 Acenaphthene-d10	164	9.493	9.493	0.0	93	230318	40.0	
* 4 Phenanthrene-d10	188	11.112	11.112	0.0	99	392267	40.0	
* 5 Chrysene-d12	240	13.521	13.521	0.0	98	348394	40.0	
* 6 Perylene-d12	264	14.744	14.744	0.0	98	323656	40.0	
$ 7 2-Fluorophenol	112	4.418	4.418	0.0	97	141184	51.9	
$ 8 Phenol-d5	99	5.566	5.566	0.0	79	193867	51.5	
$ 9 Nitrobenzene-d5	82	6.603	6.603	0.0	93	204570	51.3	
$ 10 2-Fluorobiphenyl	172	8.718	8.718	0.0	99	357782	50.7	
$ 11 2,4,6-Tribromophenol	330	10.401	10.401	0.0	84	65403	54.0	
$ 12 p-Terphenyl-d14	244	12.608	12.608	0.0	99	407120	56.1	
55 N-Nitrosodimethylamine	42	2.815	2.815	0.0	94	94841	57.3	M
56 Pyridine	52	2.890	2.890	0.0	85	86789	55.1	M
64 Aniline	93	5.566	5.566	0.0	89	256239	52.0	
63 Phenol	94	5.583	5.583	0.0	88	227070	53.5	
66 Bis(2-chloroethyl)ether	93	5.647	5.647	0.0	83	153474	52.3	
67 2-Chlorophenol	128	5.705	5.705	0.0	93	143907	51.2	
69 1,3-Dichlorobenzene	146	5.871	5.871	0.0	97	166507	51.1	
70 1,4-Dichlorobenzene	146	5.962	5.962	0.0	96	171371	51.7	
71 Benzyl alcohol	108	6.133	6.133	0.0	96	106357	53.1	
72 1,2-Dichlorobenzene	146	6.138	6.138	0.0	94	166399	52.0	
74 2,2'-oxybis[1-chloropropane]	45	6.282	6.282	0.0	78	134881	52.5	
73 2-Methylphenol	108	6.282	6.282	0.0	91	143945	51.2	
78 N-Nitrosodi-n-propylamine	70	6.437	6.437	0.0	88	135776	53.3	
79 4-Methylphenol	108	6.475	6.475	0.0	96	147765	52.7	
81 Hexachloroethane	117	6.528	6.528	0.0	95	68171	50.8	
83 Nitrobenzene	77	6.624	6.624	0.0	90	193693	51.1	
86 Isophorone	82	6.918	6.918	0.0	98	340764	51.2	
87 2-Nitrophenol	139	7.004	7.004	0.0	95	80766	52.6	

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ng/uL	Flags
89 2,4-Dimethylphenol	107	7.089	7.089	0.0	98	178273	49.5	
90 Tetraethyl lead	237	7.094	7.094	0.0	58	74775	51.9	
94 Bis(2-chloroethoxy)methane	93	7.180	7.180	0.0	97	178025	51.3	
97 2,4-Dichlorophenol	162	7.308	7.308	0.0	96	126747	49.5	
95 Benzoic acid	105	7.329	7.329	0.0	72	392699	153.2	
98 1,2,4-Trichlorobenzene	180	7.378	7.378	0.0	92	138189	50.6	
99 Naphthalene	128	7.463	7.463	0.0	99	407031	51.3	
101 4-Chloroaniline	127	7.554	7.554	0.0	94	170726	52.2	
104 Hexachlorobutadiene	225	7.613	7.613	0.0	88	91368	50.6	
110 4-Chloro-3-methylphenol	107	8.163	8.163	0.0	97	163750	52.7	
113 2-Methylnaphthalene	142	8.280	8.280	0.0	99	290761	50.4	
116 Hexachlorocyclopentadiene	237	8.457	8.457	0.0	95	79500	45.6	
118 2,4,6-Trichlorophenol	196	8.633	8.633	0.0	99	105290	52.5	
119 2,4,5-Trichlorophenol	196	8.692	8.692	0.0	97	99015	50.7	
124 2-Chloronaphthalene	162	8.847	8.847	0.0	98	296333	51.6	
125 2-Nitroaniline	65	9.002	9.002	0.0	96	111759	52.4	
128 Dimethyl phthalate	163	9.221	9.221	0.0	98	368236	52.0	
130 2,6-Dinitrotoluene	165	9.290	9.290	0.0	78	84847	53.8	
131 Acenaphthylene	152	9.327	9.327	0.0	98	478681	51.4	
132 3-Nitroaniline	138	9.498	9.498	0.0	83	82145	51.2	
133 Acenaphthene	153	9.536	9.536	0.0	98	283699	50.3	
134 2,4-Dinitrophenol	184	9.627	9.627	0.0	90	42495	48.2	M
138 Dibenzofuran	168	9.739	9.739	0.0	99	442468	52.3	
137 2,4-Dinitrotoluene	165	9.765	9.765	0.0	90	115373	53.0	
135 4-Nitrophenol	109	9.771	9.771	0.0	0	70299	52.0	M
142 Diethyl phthalate	149	10.038	10.038	0.0	98	380535	50.7	
144 Fluorene	166	10.129	10.129	0.0	99	364410	50.6	
145 4-Chlorophenyl phenyl ether	204	10.139	10.139	0.0	94	189371	49.7	
147 4-Nitroaniline	138	10.198	10.198	0.0	92	82564	52.0	
148 4,6-Dinitro-2-methylphenol	198	10.225	10.225	0.0	88	67858	50.9	
149 N-Nitrosodiphenylamine	169	10.278	10.278	0.0	98	261617	50.8	
152 1,2-Diphenylhydrazine	77	10.310	10.310	0.0	98	433881	52.1	
159 4-Bromophenyl phenyl ether	248	10.663	10.663	0.0	91	106819	49.1	
160 Hexachlorobenzene	284	10.716	10.716	0.0	95	110255	47.0	
165 Pentachlorophenol	266	10.946	10.946	0.0	92	60260	48.3	
171 Phenanthrene	178	11.138	11.138	0.0	99	518725	49.8	
172 Anthracene	178	11.187	11.187	0.0	99	528490	51.1	
173 Carbazole	167	11.368	11.368	0.0	100	463016	50.5	
176 Di-n-butyl phthalate	149	11.705	11.705	0.0	100	604624	50.7	
182 Fluoranthene	202	12.266	12.266	0.0	98	551463	50.9	
183 Benzidine	184	12.405	12.405	0.0	99	276968	47.4	
185 Pyrene	202	12.469	12.469	0.0	99	527362	55.3	
191 3,3'-Dimethylbenzidine	212	13.035	13.035	0.0	98	277769	45.5	
192 Butyl benzyl phthalate	149	13.035	13.035	0.0	95	268526	51.8	
196 3,3'-Dichlorobenzidine	252	13.494	13.494	0.0	55	204190	51.7	
197 Benzo[a]anthracene	228	13.510	13.510	0.0	96	506996	52.5	
198 Bis(2-ethylhexyl) phthalate	149	13.521	13.521	0.0	90	374884	53.0	
199 Chrysene	228	13.548	13.548	0.0	90	442919	51.1	
201 Di-n-octyl phthalate	149	14.061	14.061	0.0	100	574556	53.8	
203 Benzo[b]fluoranthene	252	14.413	14.413	0.0	99	482223	52.9	
204 Benzo[k]fluoranthene	252	14.435	14.435	0.0	97	465566	48.1	
206 Benzo[a]pyrene	252	14.696	14.696	0.0	99	394055	51.5	

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ng/uL	Flags
208 Indeno[1,2,3-cd]pyrene	276	15.765	15.765	0.0	87	494584	50.7	
209 Dibenz(a,h)anthracene	278	15.770	15.770	0.0	84	432305	48.8	
210 Benzo[g,h,i]perylene	276	16.059	16.059	0.0	97	405801	50.6	
S 212 3 & 4 Methylphenol	108				0		52.7	
S 213 Total Cresols	1				0		103.9	
S 214 3-Methylphenol	1				0		52.7	

QC Flag Legend

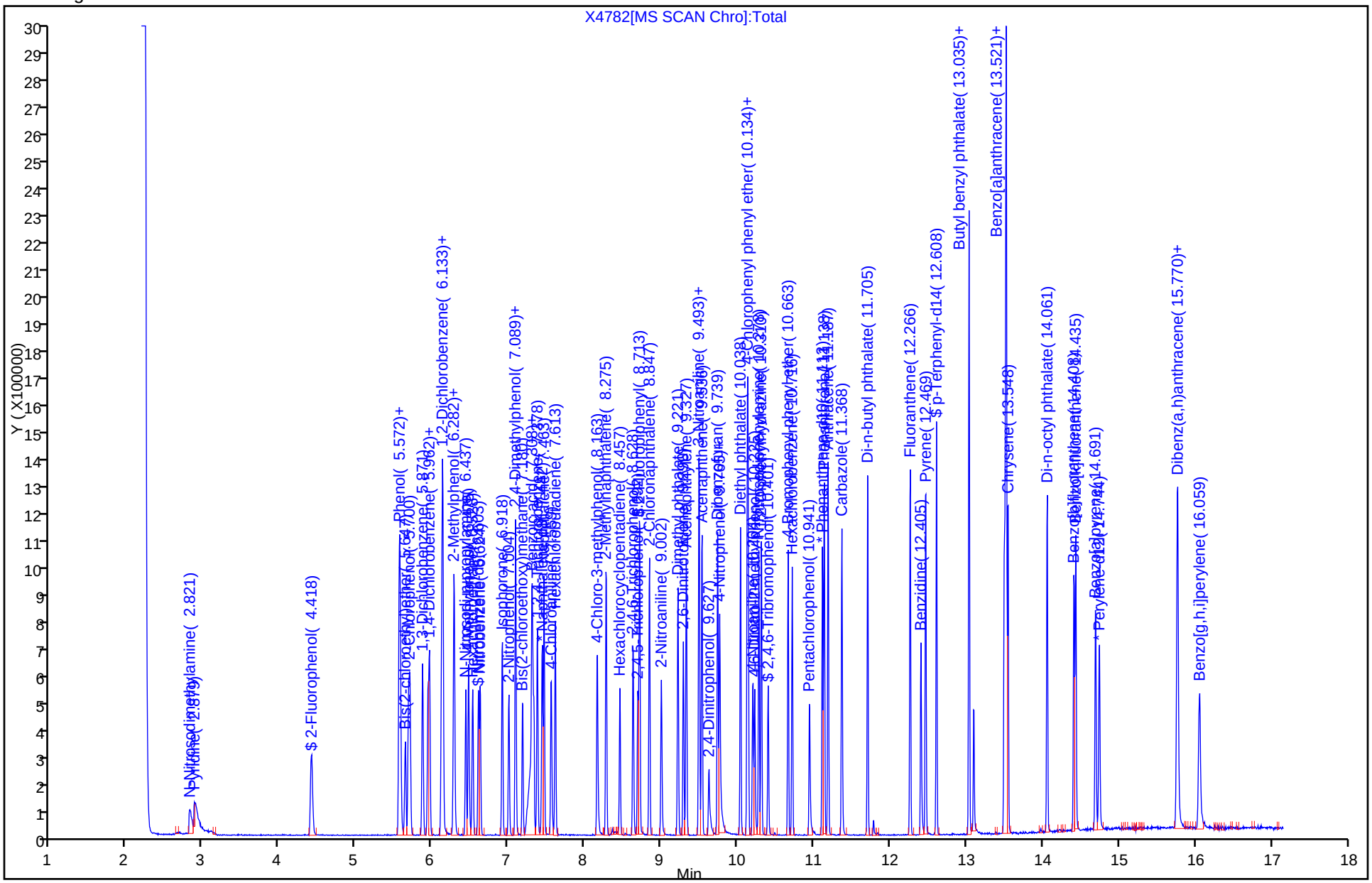
Review Flags
M - Manually Integrated

Report Date: 03-Apr-2012 16:47:39 Chrom Revision: 2.0 20-Feb-2012 13:27:02

Data File: \\Bufchrom\ChromData\HP5973X\20120403-10684.b\X4782.D

Injection Date:	03-Apr-2012 14:16:30	Limit Group:	MB - 8270C ICAL
Client ID:		Instrument ID:	HP5973X
Lims Batch ID:	57955	Lims Sample ID:	4
Operator ID:	RMM	Injection Vol:	1.00 ul
Column Type:	RXI-5Sil MS	Column Dia:	0.25 mm

Y Scaling:



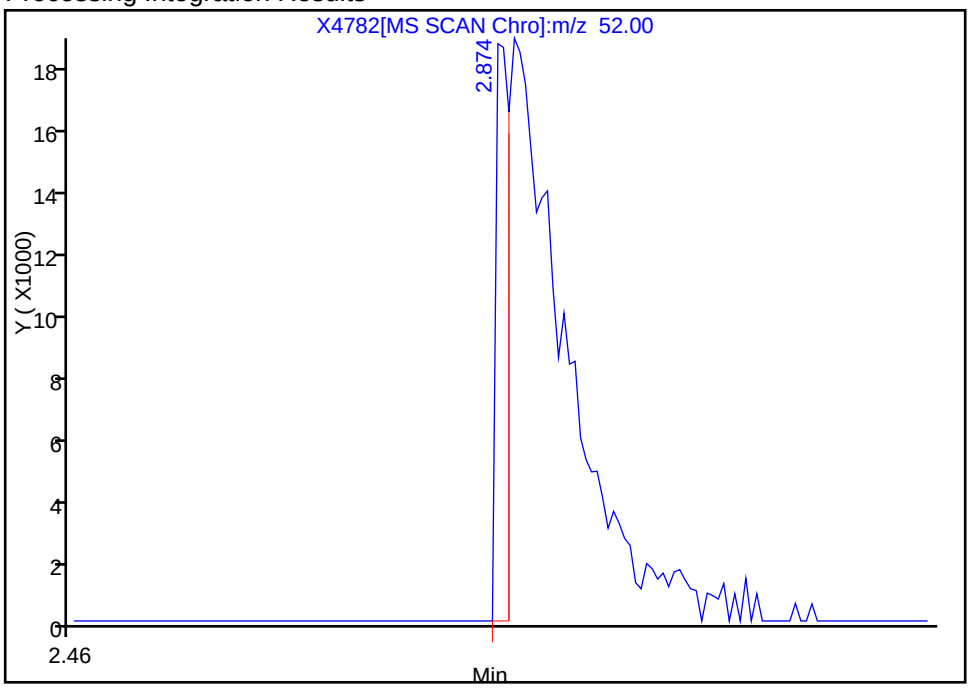
Manual Integration/User Assign Peak Report

Data File:	\\Bufchrom\ChromData\HP5973X\20120403-10684.b\X4782.D		
Injection Date:	03-Apr-2012 14:16:30	Limit Group:	MB - 8270C ICAL
Client ID:		Instrument ID:	HP5973X
Lims Batch ID:	57955	Lims Sample ID:	4
Operator ID:	RMM	Injection Vol:	1.00 ul
Column Type:	RXI-5Sil MS	Column Dia:	0.25 mm

56 Pyridine, Signal: 1, m/z: 52.0 Type: quant, RT: 2.89

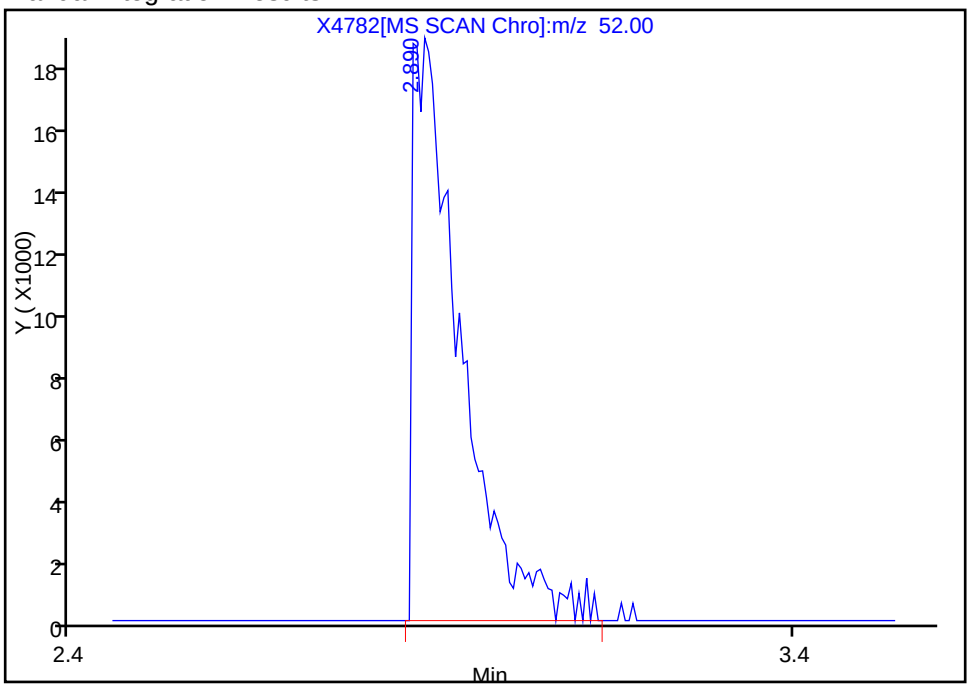
Processing Integration Results

RT: 2.87
Response: 17044
Amount: 64.066267



Manual Integration Results

RT: 2.89
Response: 86789
Amount: 55.120041



Reviewer: mckernar, 03-Apr-2012 14:38:29
Audit Action: Manually Integrated
Audit Reason: Split Peak

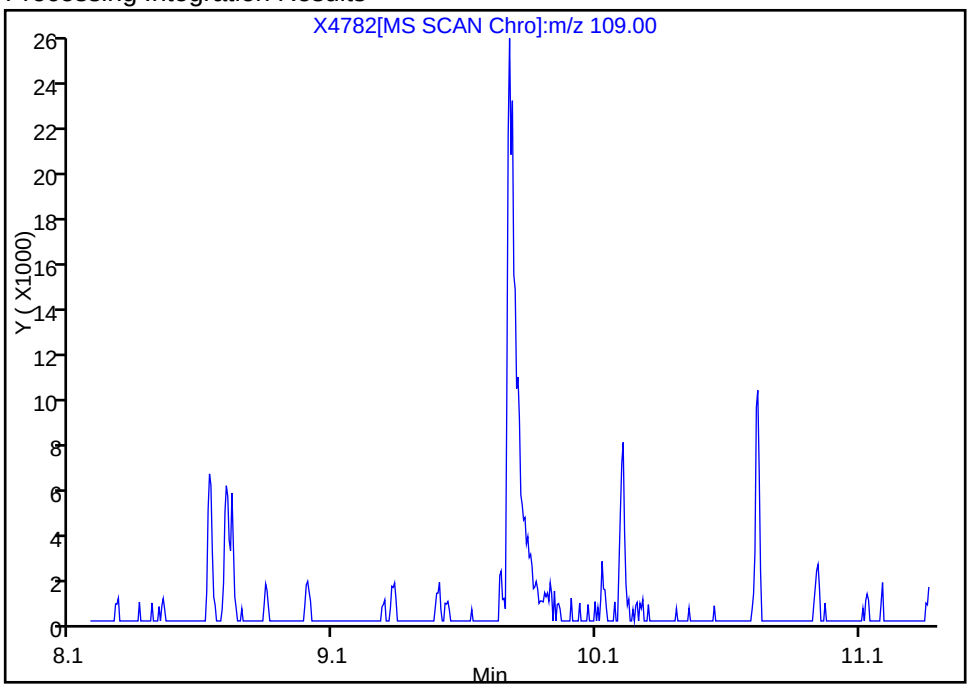
Manual Integration/User Assign Peak Report

Data File:	\\Bufchrom\ChromData\HP5973X\20120403-10684.b\X4782.D		
Injection Date:	03-Apr-2012 14:16:30	Limit Group:	MB - 8270C ICAL
Client ID:		Instrument ID:	HP5973X
Lims Batch ID:	57955	Lims Sample ID:	4
Operator ID:	RMM	Injection Vol:	1.00 ul
Column Type:	RXI-5Sil MS	Column Dia:	0.25 mm

135 4-Nitrophenol, Signal: 1, m/z: 109.0 Type: quant, RT: 9.77

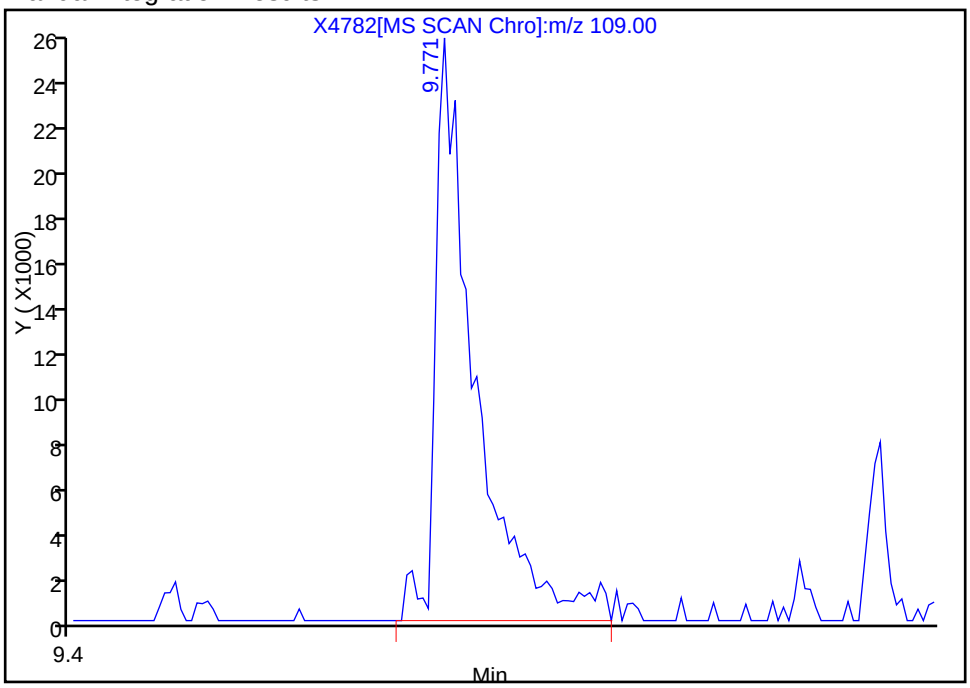
Not Detected
Expected RT: 9.77

Processing Integration Results



Manual Integration Results

RT: 9.77
Response: 70299
Amount: 51.993748



Reviewer: mckernar, 03-Apr-2012 14:38:29
Audit Action: Manually Integrated
Audit Reason: Assign Peak

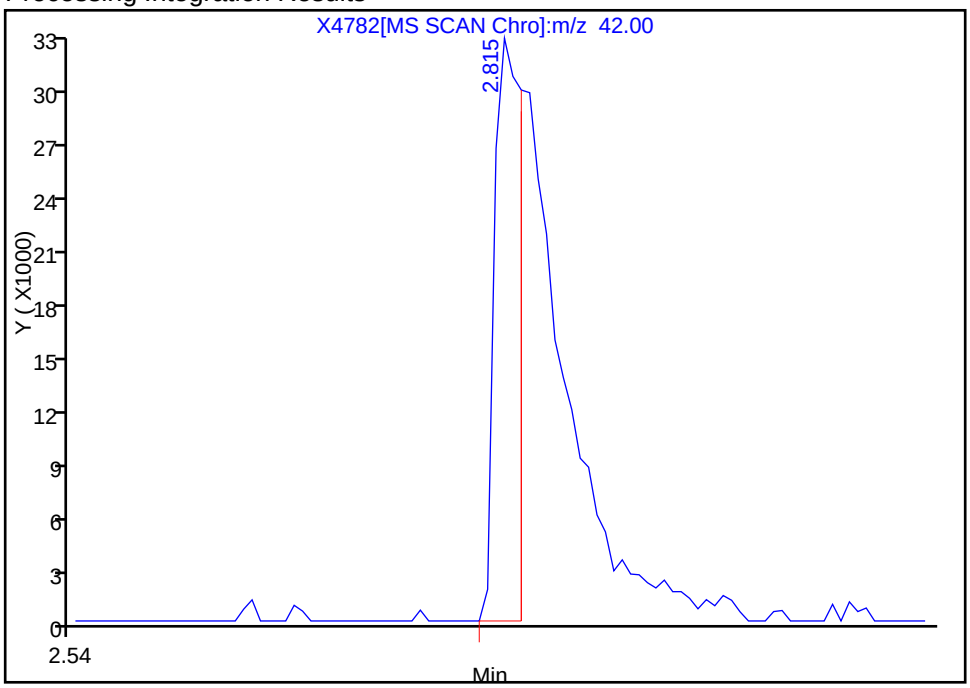
Manual Integration/User Assign Peak Report

Data File:	\\Bufchrom\ChromData\HP5973X\20120403-10684.b\X4782.D		
Injection Date:	03-Apr-2012 14:16:30	Limit Group:	MB - 8270C ICAL
Client ID:		Instrument ID:	HP5973X
Lims Batch ID:	57955	Lims Sample ID:	4
Operator ID:	RMM	Injection Vol:	1.00 ul
Column Type:	RXI-5Sil MS	Column Dia:	0.25 mm

55 N-Nitrosodimethylamine, Signal: 1, m/z: 42.0 Type: quant, RT: 2.82

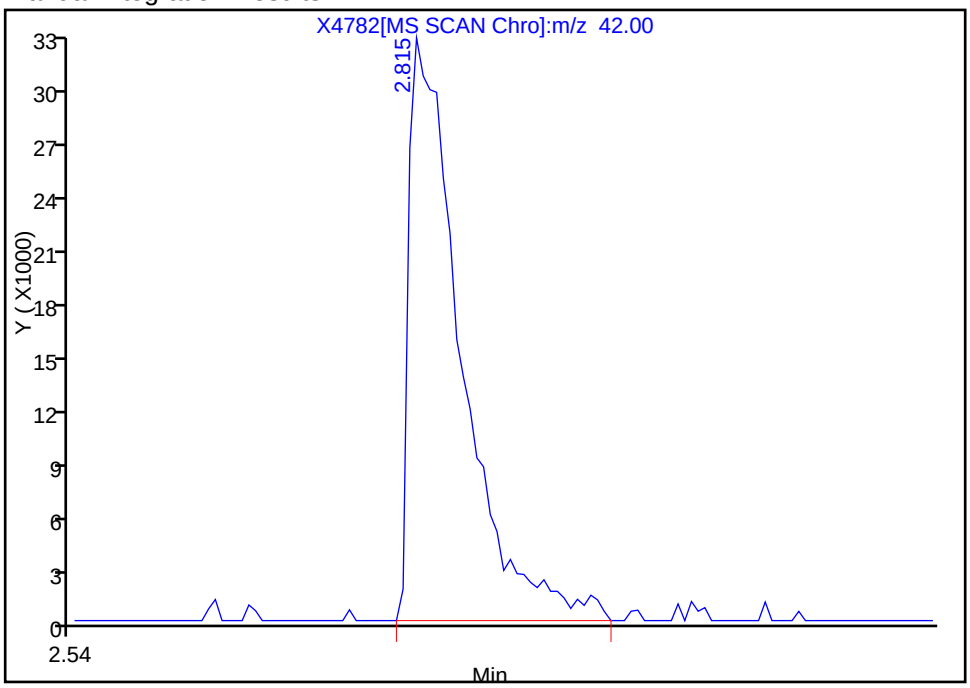
Processing Integration Results

RT: 2.82
Response: 38906
Amount: 49.301611



Manual Integration Results

RT: 2.82
Response: 94841
Amount: 57.333517



Reviewer: mckernar, 03-Apr-2012 14:38:29
Audit Action: Manually Integrated
Audit Reason: Split Peak

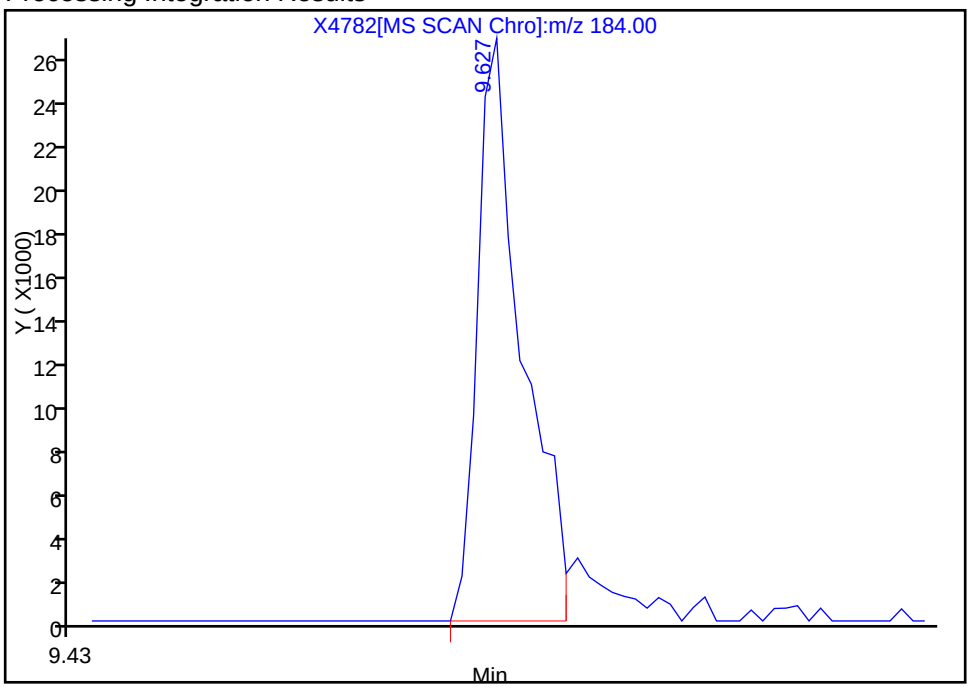
Manual Integration/User Assign Peak Report

Data File:	\\Bufchrom\ChromData\HP5973X\20120403-10684.b\X4782.D		
Injection Date:	03-Apr-2012 14:16:30	Limit Group:	MB - 8270C ICAL
Client ID:		Instrument ID:	HP5973X
Lims Batch ID:	57955	Lims Sample ID:	4
Operator ID:	RMM	Injection Vol:	1.00 ul
Column Type:	RXI-5Sil MS	Column Dia:	0.25 mm

134 2,4-Dinitrophenol, Signal: 1, m/z: 184.0 Type: quant, RT: 9.63

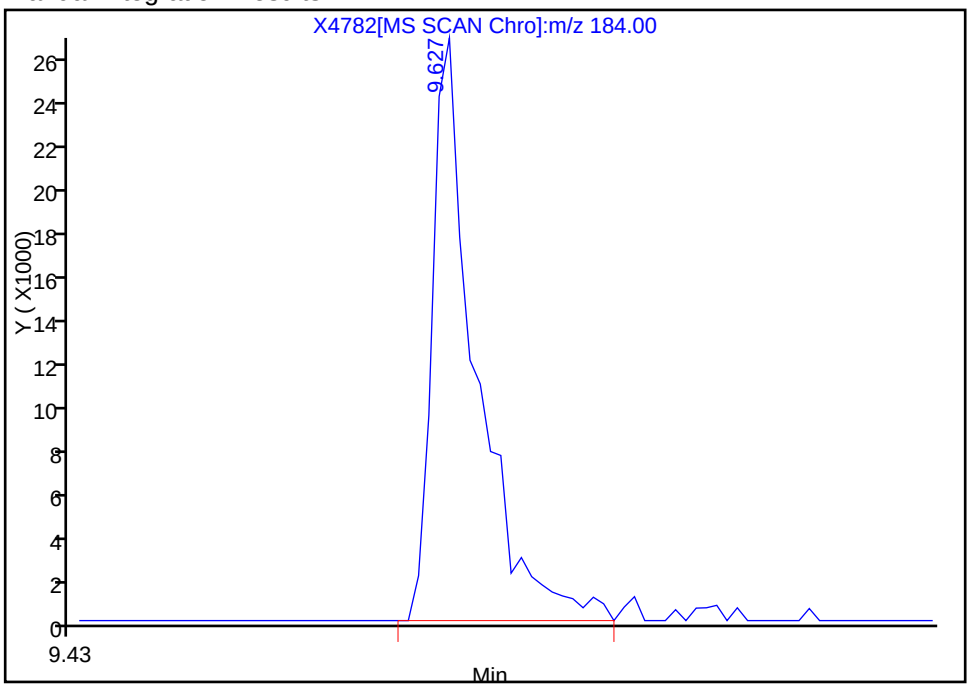
Processing Integration Results

RT: 9.63
Response: 38508
Amount: 50.000000



Manual Integration Results

RT: 9.63
Response: 42495
Amount: 48.187160



Reviewer: mckernar, 03-Apr-2012 14:38:29
Audit Action: Manually Integrated
Audit Reason: Peak Tail

TestAmerica Laboratories
Target Compound Quantitation Report

Data File:	\\Bufchrom\ChromData\HP5973X\20120403-10684.b\X4783.D		
Lims ID:	IC - 80 PT	Client ID:	
Inject. Date:	03-Apr-2012 14:39:30	Dil. Factor:	1.0000
Sample Type:	IC	Calib Level:	4
Sample ID:	480-0010684-005		
Misc. Info.:			
Operator:	RMM	Instrument ID:	HP5973X
Vol. Injected:	1.0000	ALS Bottle#:	5
Lims Batch ID:	57955	Lims Sample ID:	5
Sublist:	chrom-X-8270*sub28		
Detector:	MS SCAN		
Method:	\\Bufchrom\ChromData\HP5973X\20120403-10684.b\X-8270.m		
Last Update:	03-Apr-2012 16:47:31	Calib Date:	03-Apr-2012 15:26:30
Quant Method:	Internal Standard	Quant By:	Initial Calibration
Last ICal File:	\\Bufchrom\ChromData\HP5973X\20120403-10684.b\X4785.D		
Limit Group:	MB - 8270C ICAL		
Integrator:	RTE	ID Type:	Deconvolution ID
Process Host:	CORP-CTX-16		
First Level Reviewer: mckernar		Date:	03-Apr-2012 16:47:31

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ng/uL	Flags
* 1 1,4-Dichlorobenzene-d4	152	5.946	5.940	0.006	95	106840	40.0	
* 2 Naphthalene-d8	136	7.442	7.442	0.0	81	381105	40.0	
* 3 Acenaphthene-d10	164	9.499	9.493	0.006	94	271159	40.0	
* 4 Phenanthrene-d10	188	11.117	11.112	0.005	100	453211	40.0	
* 5 Chrysene-d12	240	13.527	13.521	0.006	79	431944	40.0	
* 6 Perylene-d12	264	14.745	14.744	0.001	98	365662	40.0	
$ 7 2-Fluorophenol	112	4.418	4.418	0.0	99	262511	78.1	
$ 8 Phenol-d5	99	5.567	5.566	0.001	85	362914	78.0	
$ 9 Nitrobenzene-d5	82	6.608	6.603	0.005	92	376218	80.8	
$ 10 2-Fluorobiphenyl	172	8.719	8.718	0.001	99	668277	80.5	
$ 11 2,4,6-Tribromophenol	330	10.401	10.401	0.0	65	118570	84.8	
$ 12 p-Terphenyl-d14	244	12.613	12.608	0.005	99	747615	84.1	
55 N-Nitrosodimethylamine	42	2.821	2.815	0.006	94	165188	80.8	
56 Pyridine	52	2.880	2.890	-0.010	89	157546	81.0	M
64 Aniline	93	5.567	5.566	0.001	91	467344	76.8	
63 Phenol	94	5.583	5.583	0.001	91	408617	78.0	
66 Bis(2-chloroethyl)ether	93	5.652	5.647	0.005	82	273746	75.6	
67 2-Chlorophenol	128	5.711	5.705	0.006	94	270403	77.9	
69 1,3-Dichlorobenzene	146	5.871	5.871	0.0	97	315623	78.4	
70 1,4-Dichlorobenzene	146	5.962	5.962	0.0	97	316292	77.3	
71 Benzyl alcohol	108	6.138	6.133	0.005	95	202521	81.8	
72 1,2-Dichlorobenzene	146	6.138	6.138	0.0	92	313688	79.3	
74 2,2'-oxybis[1-chloropropane]	45	6.283	6.282	0.001	85	248907	78.5	
73 2-Methylphenol	108	6.288	6.282	0.006	96	266005	76.6	
78 N-Nitrosodi-n-propylamine	70	6.443	6.437	0.006	88	245011	77.9	
79 4-Methylphenol	108	6.475	6.475	0.0	97	268693	77.6	
81 Hexachloroethane	117	6.528	6.528	0.0	95	131778	79.5	
83 Nitrobenzene	77	6.630	6.624	0.006	93	367226	83.0	
86 Isophorone	82	6.924	6.918	0.006	98	626428	80.6	
87 2-Nitrophenol	139	7.004	7.004	0.0	96	148777	83.0	

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ng/uL	Flags
89 2,4-Dimethylphenol	107	7.095	7.089	0.006	98	342585	81.5	
90 Tetraethyl lead	237	7.089	7.094	-0.005	59	140297	83.4	
94 Bis(2-chloroethoxy)methane	93	7.185	7.180	0.005	99	321604	79.5	
97 2,4-Dichlorophenol	162	7.308	7.308	0.0	97	236158	79.0	
95 Benzoic acid	105	7.372	7.329	0.043	64	723908	237.4	
98 1,2,4-Trichlorobenzene	180	7.378	7.378	0.0	95	262293	82.3	
99 Naphthalene	128	7.463	7.463	0.0	99	731610	79.0	
101 4-Chloroaniline	127	7.559	7.554	0.005	94	304447	79.7	
104 Hexachlorobutadiene	225	7.613	7.613	0.0	96	167670	79.5	
110 4-Chloro-3-methylphenol	107	8.163	8.163	0.0	96	299929	82.7	
113 2-Methylnaphthalene	142	8.281	8.280	0.001	96	549206	81.5	
116 Hexachlorocyclopentadiene	237	8.457	8.457	0.0	85	172355	80.4	
118 2,4,6-Trichlorophenol	196	8.633	8.633	0.0	98	189915	80.4	
119 2,4,5-Trichlorophenol	196	8.687	8.692	-0.005	97	198722	86.5	
124 2-Chloronaphthalene	162	8.847	8.847	0.0	98	539527	79.8	
125 2-Nitroaniline	65	9.007	9.002	0.005	96	206312	82.1	
128 Dimethyl phthalate	163	9.226	9.221	0.005	99	679371	81.4	
130 2,6-Dinitrotoluene	165	9.296	9.290	0.006	79	154119	82.9	
131 Acenaphthylene	152	9.333	9.327	0.006	98	880838	80.4	
132 3-Nitroaniline	138	9.504	9.498	0.006	93	162921	86.2	
133 Acenaphthene	153	9.536	9.536	0.0	99	519667	78.3	
134 2,4-Dinitrophenol	184	9.627	9.627	0.0	94	86667	78.7	
138 Dibenzofuran	168	9.744	9.739	0.005	99	795457	79.9	
137 2,4-Dinitrotoluene	165	9.771	9.765	0.006	92	216708	84.6	
135 4-Nitrophenol	109	9.766	9.771	-0.005	51	144852	91.0	M
142 Diethyl phthalate	149	10.043	10.038	0.005	98	700233	79.2	
144 Fluorene	166	10.129	10.129	0.0	98	686642	80.9	
145 4-Chlorophenyl phenyl ether	204	10.140	10.139	0.001	94	360064	80.2	
147 4-Nitroaniline	138	10.209	10.198	0.011	93	162990	87.2	
148 4,6-Dinitro-2-methylphenol	198	10.230	10.225	0.005	91	130418	84.6	
149 N-Nitrosodiphenylamine	169	10.284	10.278	0.006	99	489091	82.2	
152 1,2-Diphenylhydrazine	77	10.316	10.310	0.006	99	783921	79.9	
159 4-Bromophenyl phenyl ether	248	10.669	10.663	0.005	97	200837	79.8	
160 Hexachlorobenzene	284	10.722	10.716	0.006	96	217514	80.3	
165 Pentachlorophenol	266	10.946	10.946	0.0	96	116094	77.9	
171 Phenanthrene	178	11.139	11.138	0.001	99	962058	79.9	
172 Anthracene	178	11.192	11.187	0.005	99	970199	81.1	
173 Carbazole	167	11.368	11.368	0.0	100	845062	79.9	
176 Di-n-butyl phthalate	149	11.710	11.705	0.005	100	1098779	79.8	
182 Fluoranthene	202	12.266	12.266	0.0	99	1005731	80.4	
183 Benzidine	184	12.405	12.405	0.0	100	543105	80.9	
185 Pyrene	202	12.469	12.469	0.0	99	984426	84.3	
191 3,3'-Dimethylbenzidine	212	13.035	13.035	0.0	98	555201	78.7	
192 Butyl benzyl phthalate	149	13.040	13.035	0.005	95	511798	79.6	
196 3,3'-Dichlorobenzidine	252	13.500	13.494	0.006	74	382338	78.1	
197 Benzo[a]anthracene	228	13.516	13.510	0.006	94	946027	79.0	
198 Bis(2-ethylhexyl) phthalate	149	13.521	13.521	0.0	90	686784	78.4	
199 Chrysene	228	13.548	13.548	0.0	96	822982	76.6	
201 Di-n-octyl phthalate	149	14.061	14.061	0.0	99	1069673	80.8	
203 Benzo[b]fluoranthene	252	14.413	14.413	0.0	99	796951	77.4	
204 Benzo[k]fluoranthene	252	14.440	14.435	0.005	97	948142	86.7	
206 Benzo[a]pyrene	252	14.697	14.696	0.001	97	715299	82.8	

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ng/uL	Flags
208 Indeno[1,2,3-cd]pyrene	276	15.781	15.765	0.016	79	930202	84.4	
209 Dibenz(a,h)anthracene	278	15.781	15.770	0.011	92	856860	85.6	
210 Benzo[g,h,i]perylene	276	16.064	16.059	0.005	98	756448	83.6	
S 212 3 & 4 Methylphenol	108				0		77.6	
S 213 Total Cresols	1				0		154.1	
S 214 3-Methylphenol	1				0		77.6	

QC Flag Legend

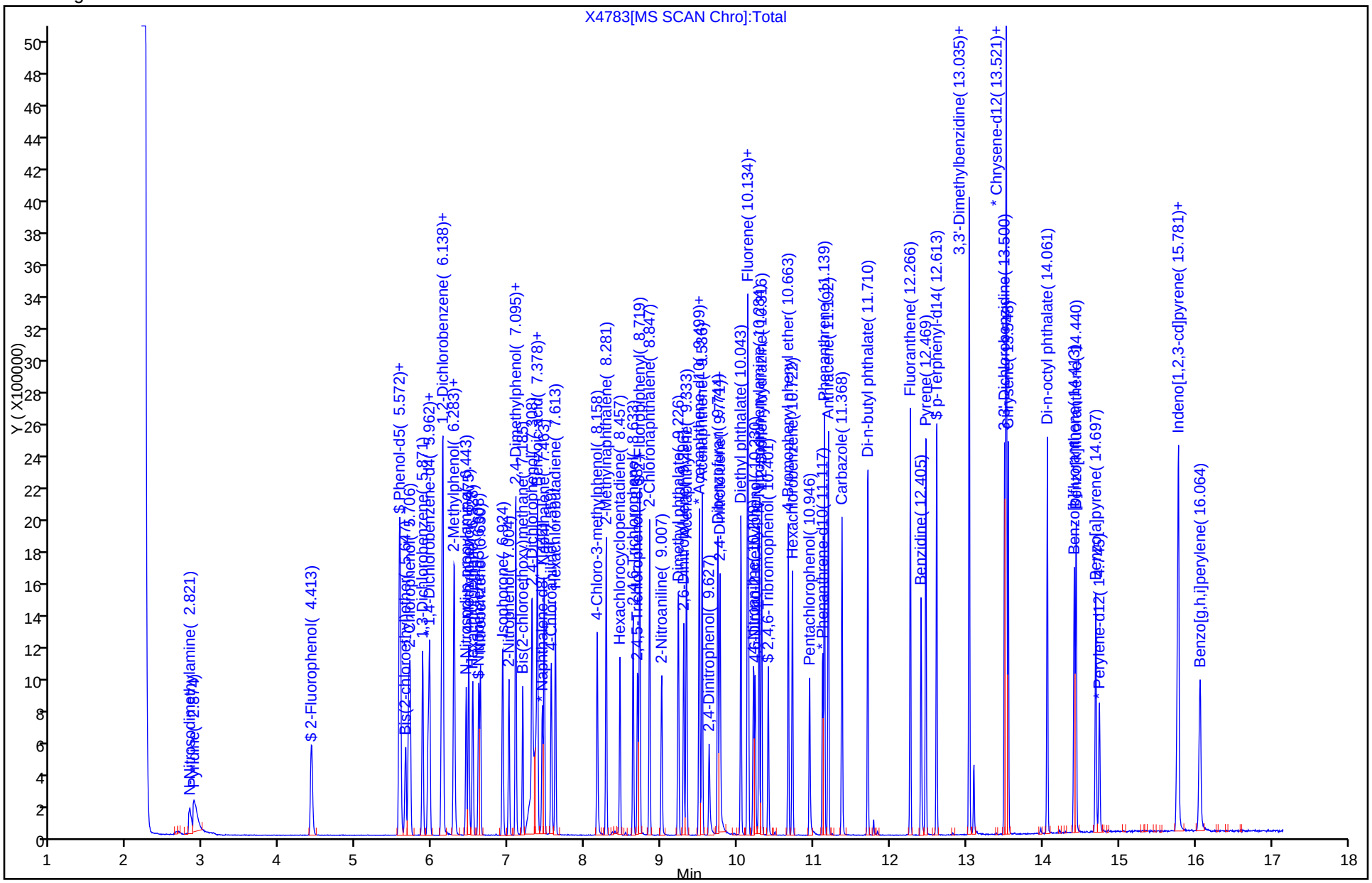
Review Flags
M - Manually Integrated

Report Date: 03-Apr-2012 16:47:36 Chrom Revision: 2.0 20-Feb-2012 13:27:02

Data File: \\Bufchrom\ChromData\HP5973X\20120403-10684.b\X4783.D

Injection Date:	03-Apr-2012 14:39:30	Limit Group:	MB - 8270C ICAL
Client ID:		Instrument ID:	HP5973X
Lims Batch ID:	57955	Lims Sample ID:	5
Operator ID:	RMM	Injection Vol:	1.00 ul
Column Type:	RXI-5Sil MS	Column Dia:	0.25 mm

Y Scaling:



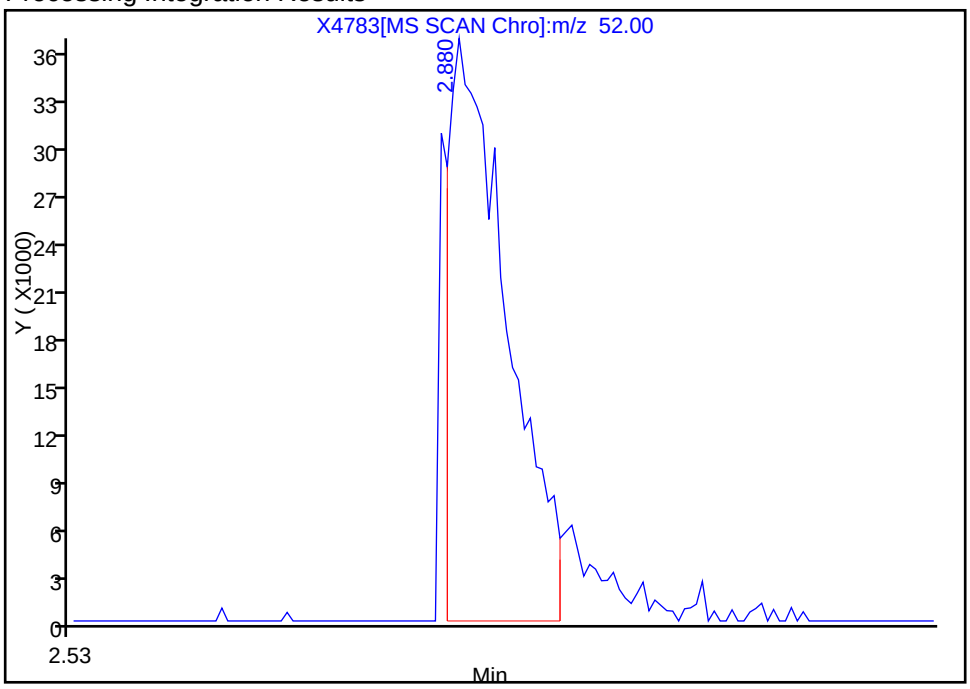
Manual Integration/User Assign Peak Report

Data File:	\\Bufchrom\ChromData\HP5973X\20120403-10684.b\X4783.D		
Injection Date:	03-Apr-2012 14:39:30	Limit Group:	MB - 8270C ICAL
Client ID:		Instrument ID:	HP5973X
Lims Batch ID:	57955	Lims Sample ID:	5
Operator ID:	RMM	Injection Vol:	1.00 ul
Column Type:	RXI-5Sil MS	Column Dia:	0.25 mm

56 Pyridine, Signal: 1, m/z: 52.0 Type: quant, RT: 2.89

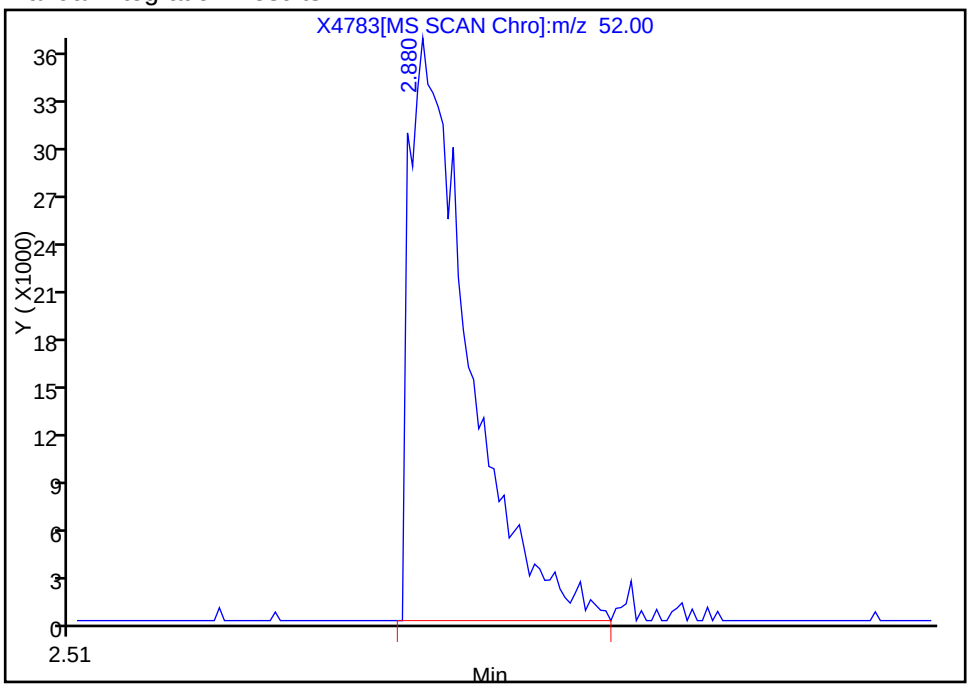
Processing Integration Results

RT: 2.88
Response: 132994
Amount: 70.388251



Manual Integration Results

RT: 2.88
Response: 157546
Amount: 80.973634



Reviewer: mckernar, 03-Apr-2012 15:19:39
Audit Action: Manually Integrated
Audit Reason: Split Peak

Report Date: 03-Apr-2012 16:47:36 Chrom Revision: 2.0 20-Feb-2012 13:27:02

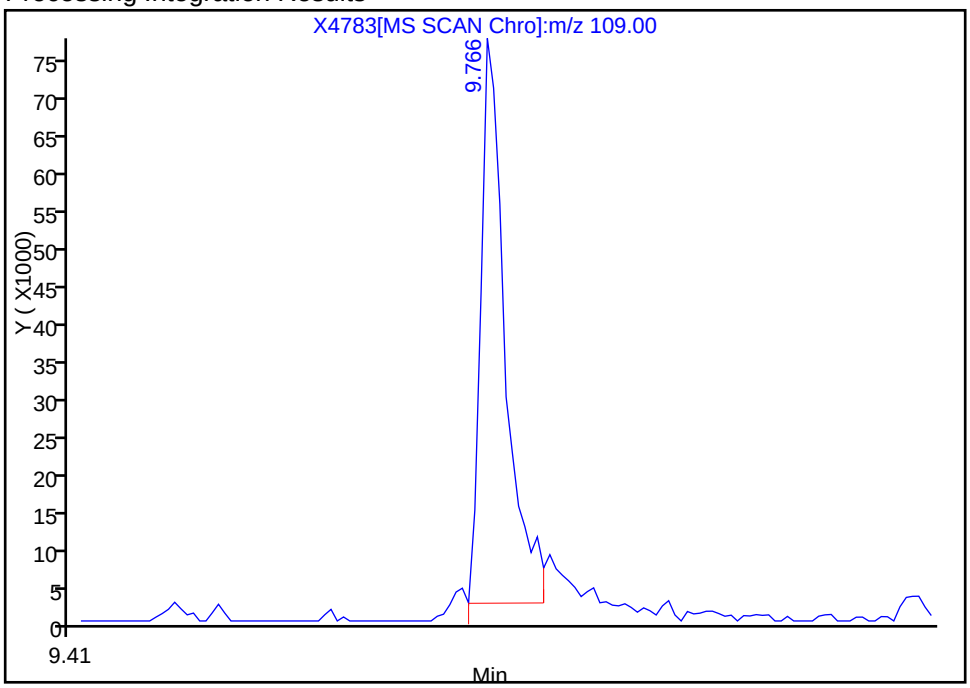
Manual Integration/User Assign Peak Report

Data File:	\\Bufchrom\ChromData\HP5973X\20120403-10684.b\X4783.D		
Injection Date:	03-Apr-2012 14:39:30	Limit Group:	MB - 8270C ICAL
Client ID:		Instrument ID:	HP5973X
Lims Batch ID:	57955	Lims Sample ID:	5
Operator ID:	RMM	Injection Vol:	1.00 ul
Column Type:	RXI-5Sil MS	Column Dia:	0.25 mm

135 4-Nitrophenol, Signal: 1, m/z: 109.0 Type: quant, RT: 9.77

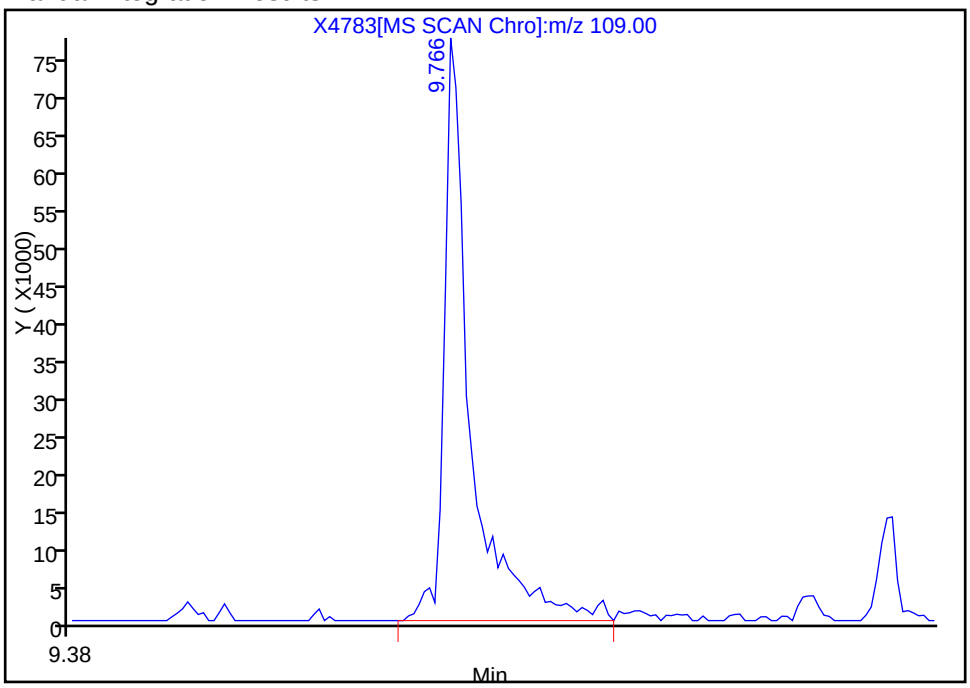
Processing Integration Results

RT: 9.77
Response: 109632
Amount: 78.944296



Manual Integration Results

RT: 9.77
Response: 144852
Amount: 90.997682



Reviewer: mckernar, 03-Apr-2012 15:19:39
Audit Action: Manually Integrated
Audit Reason: Peak Tail

TestAmerica Laboratories
Target Compound Quantitation Report

Data File:	\\Bufchrom\ChromData\HP5973X\20120403-10684.b\X4784.D		
Lims ID:	IC - 120 PT	Client ID:	
Inject. Date:	03-Apr-2012 15:02:30	Dil. Factor:	1.0000
Sample Type:	IC	Calib Level:	5
Sample ID:	480-0010684-006		
Misc. Info.:			
Operator:	RMM	Instrument ID:	HP5973X
Vol. Injected:	1.0000	ALS Bottle#:	6
Lims Batch ID:	57955	Lims Sample ID:	6
Sublist:	chrom-X-8270*sub28		
Detector:	MS SCAN		
Method:	\\Bufchrom\ChromData\HP5973X\20120403-10684.b\X-8270.m		
Last Update:	03-Apr-2012 16:47:29	Calib Date:	03-Apr-2012 15:26:30
Quant Method:	Internal Standard	Quant By:	Initial Calibration
Last ICal File:	\\Bufchrom\ChromData\HP5973X\20120403-10684.b\X4785.D		
Limit Group:	MB - 8270C ICAL		
Integrator:	RTE	ID Type:	Deconvolution ID
Process Host:	CORP-CTX-16		
First Level Reviewer: mckernar		Date:	03-Apr-2012 16:47:29

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ng/uL	Flags
* 1 1,4-Dichlorobenzene-d4	152	5.946	5.940	0.006	93	108805	40.0	
* 2 Naphthalene-d8	136	7.442	7.442	0.0	73	413639	40.0	
* 3 Acenaphthene-d10	164	9.499	9.493	0.006	95	299218	40.0	
* 4 Phenanthrene-d10	188	11.117	11.112	0.005	100	498286	40.0	
* 5 Chrysene-d12	240	13.527	13.521	0.006	64	496962	40.0	
* 6 Perylene-d12	264	14.750	14.744	0.006	98	417496	40.0	
$ 7 2-Fluorophenol	112	4.423	4.418	0.005	99	421038	123.1	
$ 8 Phenol-d5	99	5.577	5.566	0.011	82	591354	124.9	
$ 9 Nitrobenzene-d5	82	6.614	6.603	0.011	92	598530	118.5	
$ 10 2-Fluorobiphenyl	172	8.724	8.718	0.006	98	1058848	115.5	
$ 11 2,4,6-Tribromophenol	330	10.407	10.401	0.006	91	190432	123.8	
$ 12 p-Terphenyl-d14	244	12.613	12.608	0.005	99	1202821	118.3	
55 N-Nitrosodimethylamine	42	2.821	2.815	0.006	95	264366	127.0	
56 Pyridine	52	2.880	2.890	-0.010	85	241557	121.9	M
64 Aniline	93	5.572	5.566	0.006	90	769487	124.1	
63 Phenol	94	5.588	5.583	0.006	91	663736	124.4	
66 Bis(2-chloroethyl)ether	93	5.657	5.647	0.010	82	429971	116.5	
67 2-Chlorophenol	128	5.711	5.705	0.006	95	428867	121.3	
69 1,3-Dichlorobenzene	146	5.877	5.871	0.005	97	493847	120.4	
70 1,4-Dichlorobenzene	146	5.967	5.962	0.005	98	508349	122.0	
71 Benzyl alcohol	108	6.144	6.133	0.011	93	328751	130.4	
72 1,2-Dichlorobenzene	146	6.144	6.138	0.006	94	513115	127.3	
74 2,2'-oxybis[1-chloropropane]	45	6.283	6.282	0.001	87	404348	125.2	
73 2-Methylphenol	108	6.288	6.282	0.006	94	429805	121.5	
78 N-Nitrosodi-n-propylamine	70	6.448	6.437	0.011	87	389563	121.6	
79 4-Methylphenol	108	6.480	6.475	0.005	97	433826	123.0	
81 Hexachloroethane	117	6.528	6.528	0.0	96	196706	116.6	
83 Nitrobenzene	77	6.635	6.624	0.011	91	575096	119.8	
86 Isophorone	82	6.929	6.918	0.011	98	999807	118.6	
87 2-Nitrophenol	139	7.009	7.004	0.005	95	234048	120.4	

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ng/uL	Flags
89 2,4-Dimethylphenol	107	7.095	7.089	0.006	98	562102	123.1	
90 Tetraethyl lead	237	7.095	7.094	0.001	61	218621	119.7	
94 Bis(2-chloroethoxy)methane	93	7.191	7.180	0.011	97	508929	115.8	
97 2,4-Dichlorophenol	162	7.308	7.308	0.0	97	387273	119.4	
95 Benzoic acid	105	7.415	7.329	0.086	65	1216279	363.2	
98 1,2,4-Trichlorobenzene	180	7.378	7.378	0.0	96	418723	121.1	
99 Naphthalene	128	7.469	7.463	0.005	98	1177114	117.1	
101 4-Chloroaniline	127	7.559	7.554	0.005	95	500467	120.7	
104 Hexachlorobutadiene	225	7.613	7.613	0.0	94	260842	114.0	
110 4-Chloro-3-methylphenol	107	8.163	8.163	0.0	98	474700	120.5	
113 2-Methylnaphthalene	142	8.281	8.280	0.001	96	872933	119.4	
116 Hexachlorocyclopentadiene	237	8.462	8.457	0.005	96	296571	123.0	
118 2,4,6-Trichlorophenol	196	8.633	8.633	0.0	99	314403	120.6	
119 2,4,5-Trichlorophenol	196	8.692	8.692	0.0	99	320274	126.3	
124 2-Chloronaphthalene	162	8.852	8.847	0.005	99	887406	118.9	
125 2-Nitroaniline	65	9.012	9.002	0.010	97	330114	119.1	
128 Dimethyl phthalate	163	9.231	9.221	0.010	100	1064702	115.6	
130 2,6-Dinitrotoluene	165	9.301	9.290	0.011	78	244608	119.3	
131 Acenaphthylene	152	9.333	9.327	0.006	97	1396477	115.5	
132 3-Nitroaniline	138	9.509	9.498	0.011	96	257963	123.7	
133 Acenaphthene	153	9.541	9.536	0.005	98	832904	113.7	
134 2,4-Dinitrophenol	184	9.632	9.627	0.005	98	150193	120.0	
138 Dibenzofuran	168	9.744	9.739	0.005	99	1287493	117.2	
137 2,4-Dinitrotoluene	165	9.776	9.765	0.011	89	350488	124.0	
135 4-Nitrophenol	109	9.771	9.771	0.0	78	239578	136.4	M
142 Diethyl phthalate	149	10.049	10.038	0.011	98	1121779	115.1	
144 Fluorene	166	10.134	10.129	0.005	98	1137403	121.5	
145 4-Chlorophenyl phenyl ether	204	10.145	10.139	0.006	95	585818	118.2	
147 4-Nitroaniline	138	10.225	10.198	0.027	92	254950	123.6	
148 4,6-Dinitro-2-methylphenol	198	10.241	10.225	0.016	93	225730	133.2	
149 N-Nitrosodiphenylamine	169	10.289	10.278	0.011	98	771937	118.0	
152 1,2-Diphenylhydrazine	77	10.321	10.310	0.011	98	1263970	116.8	
159 4-Bromophenyl phenyl ether	248	10.669	10.663	0.005	94	329974	119.3	
160 Hexachlorobenzene	284	10.722	10.716	0.006	96	349152	117.2	
165 Pentachlorophenol	266	10.946	10.946	0.0	96	202540	121.2	
171 Phenanthrene	178	11.144	11.138	0.006	99	1550426	117.1	
172 Anthracene	178	11.197	11.187	0.010	99	1554613	118.3	
173 Carbazole	167	11.374	11.368	0.006	100	1366182	117.4	
176 Di-n-butyl phthalate	149	11.710	11.705	0.005	100	1751354	115.7	
182 Fluoranthene	202	12.271	12.266	0.005	99	1618025	117.6	
183 Benzidine	184	12.410	12.405	0.005	100	852078	121.1	
185 Pyrene	202	12.474	12.469	0.005	99	1596080	119.6	
191 3,3'-Dimethylbenzidine	212	13.040	13.035	0.005	99	907955	117.0	
192 Butyl benzyl phthalate	149	13.040	13.035	0.005	95	822360	111.2	
196 3,3'-Dichlorobenzidine	252	13.505	13.494	0.011	81	648913	115.2	
197 Benzo[a]anthracene	228	13.521	13.510	0.011	94	1611511	117.0	
198 Bis(2-ethylhexyl) phthalate	149	13.527	13.521	0.006	93	1155328	114.6	
199 Chrysene	228	13.553	13.548	0.005	97	1340578	108.5	
201 Di-n-octyl phthalate	149	14.061	14.061	0.0	99	1749537	114.9	
203 Benzo[b]fluoranthene	252	14.424	14.413	0.011	98	1491488	126.8	
204 Benzo[k]fluoranthene	252	14.445	14.435	0.010	97	1390820	111.4	
206 Benzo[a]pyrene	252	14.702	14.696	0.006	99	1173152	118.9	

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ng/uL	Flags
208 Indeno[1,2,3-cd]pyrene	276	15.792	15.765	0.027	72	1566145	124.5	
209 Dibenz(a,h)anthracene	278	15.792	15.770	0.022	92	1455549	127.4	
210 Benzo[g,h,i]perylene	276	16.075	16.059	0.016	98	1271880	123.0	
S 212 3 & 4 Methylphenol	108				0		123.0	
S 213 Total Cresols	1				0		244.5	
S 214 3-Methylphenol	1				0		123.0	

QC Flag Legend

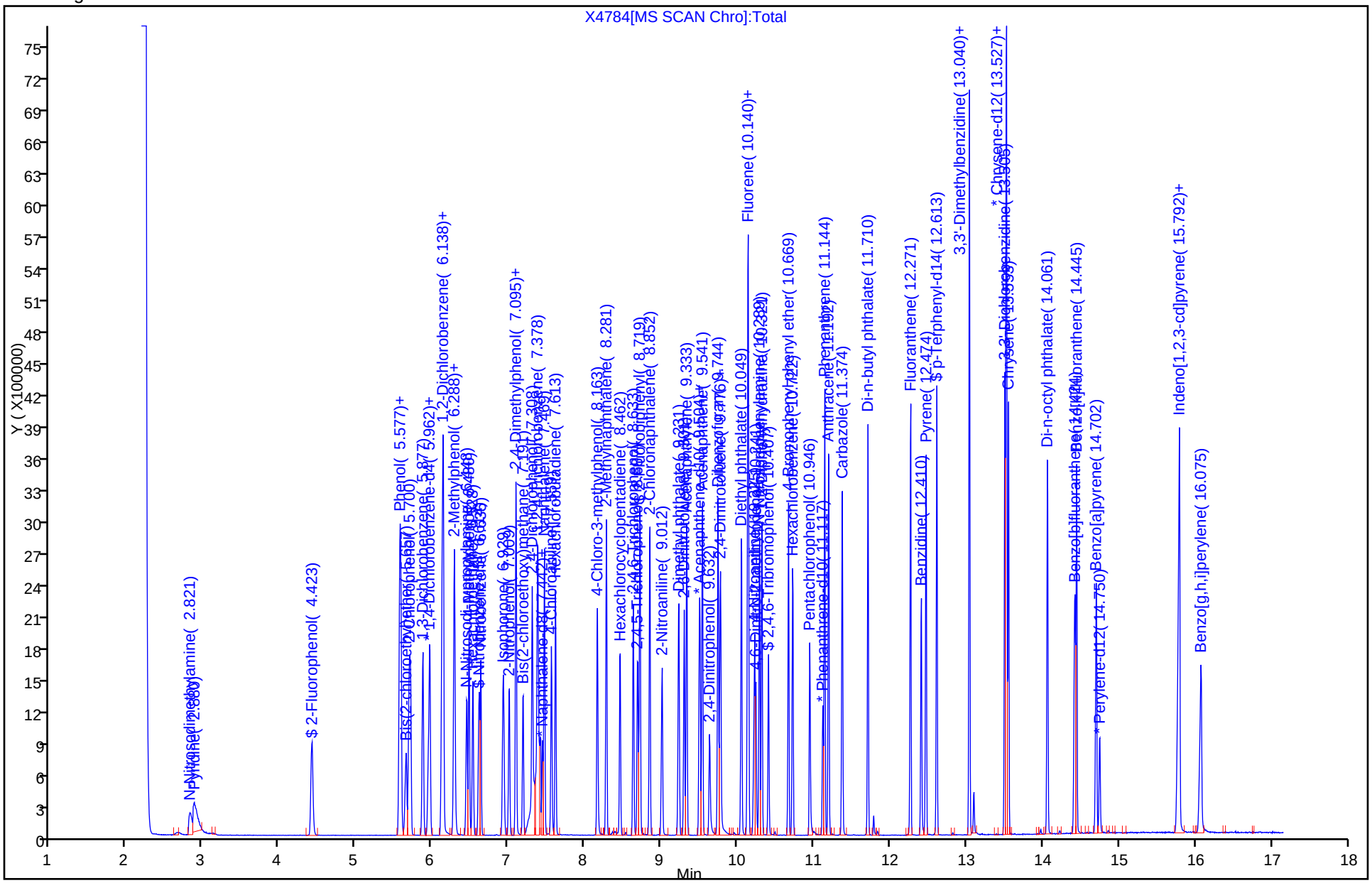
Review Flags
M - Manually Integrated

Report Date: 03-Apr-2012 16:47:29 Chrom Revision: 2.0 20-Feb-2012 13:27:02

Data File: \\Bufchrom\ChromData\HP5973X\20120403-10684.b\X4784.D

Injection Date:	03-Apr-2012 15:02:30	Limit Group:	MB - 8270C ICAL
Client ID:		Instrument ID:	HP5973X
Lims Batch ID:	57955	Lims Sample ID:	6
Operator ID:	RMM	Injection Vol:	1.00 ul
Column Type:	RXI-5Sil MS	Column Dia:	0.25 mm

Y Scaling:



Report Date: 03-Apr-2012 16:47:29 Chrom Revision: 2.0 20-Feb-2012 13:27:02

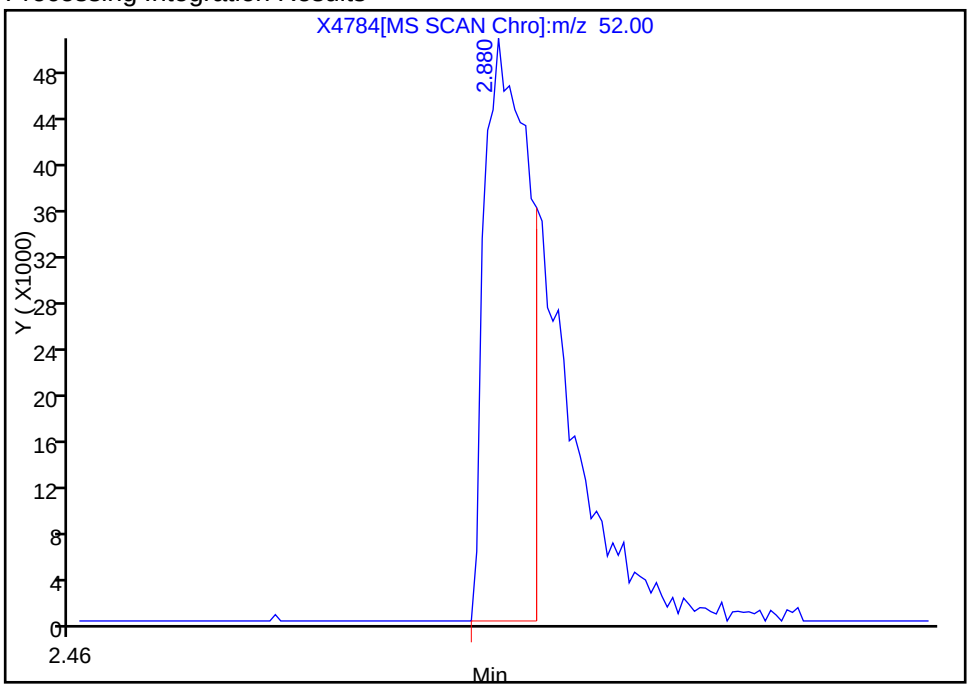
Manual Integration/User Assign Peak Report

Data File:	\\Bufchrom\ChromData\HP5973X\20120403-10684.b\X4784.D		
Injection Date:	03-Apr-2012 15:02:30	Limit Group:	MB - 8270C ICAL
Client ID:		Instrument ID:	HP5973X
Lims Batch ID:	57955	Lims Sample ID:	6
Operator ID:	RMM	Injection Vol:	1.00 ul
Column Type:	RXI-5Sil MS	Column Dia:	0.25 mm

56 Pyridine, Signal: 1, m/z: 52.0 Type: quant, RT: 2.89

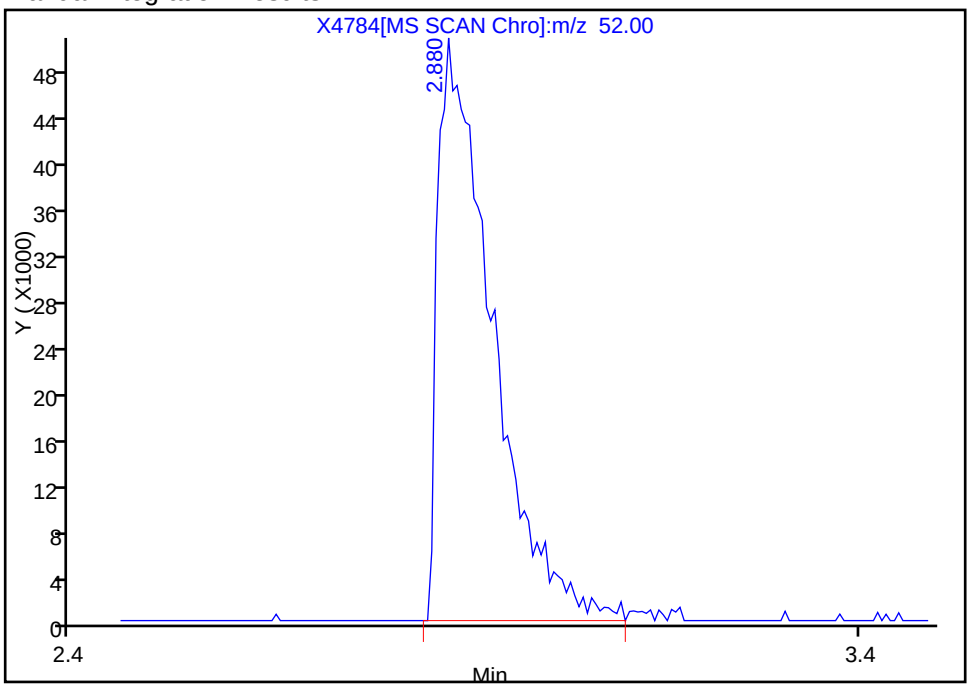
Processing Integration Results

RT: 2.88
Response: 150815
Amount: 81.380182



Manual Integration Results

RT: 2.88
Response: 241557
Amount: 121.9104



Reviewer: mckernar, 03-Apr-2012 15:37:31
Audit Action: Manually Integrated
Audit Reason: Split Peak

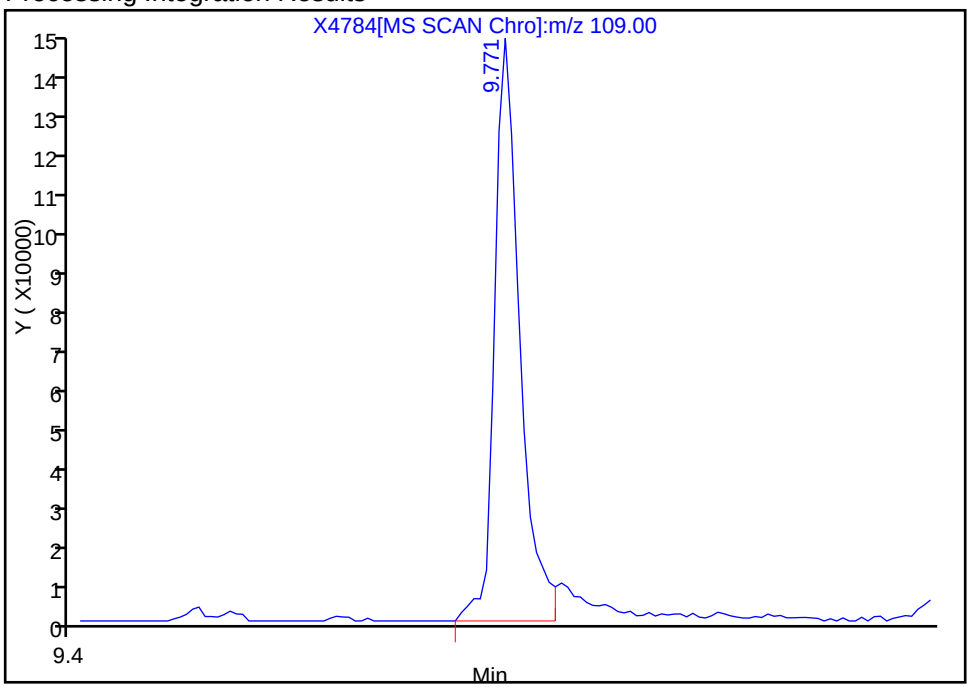
Manual Integration/User Assign Peak Report

Data File:	\\Bufchrom\ChromData\HP5973X\20120403-10684.b\X4784.D		
Injection Date:	03-Apr-2012 15:02:30	Limit Group:	MB - 8270C ICAL
Client ID:		Instrument ID:	HP5973X
Lims Batch ID:	57955	Lims Sample ID:	6
Operator ID:	RMM	Injection Vol:	1.00 ul
Column Type:	RXI-5Sil MS	Column Dia:	0.25 mm

135 4-Nitrophenol, Signal: 1, m/z: 109.0 Type: quant, RT: 9.77

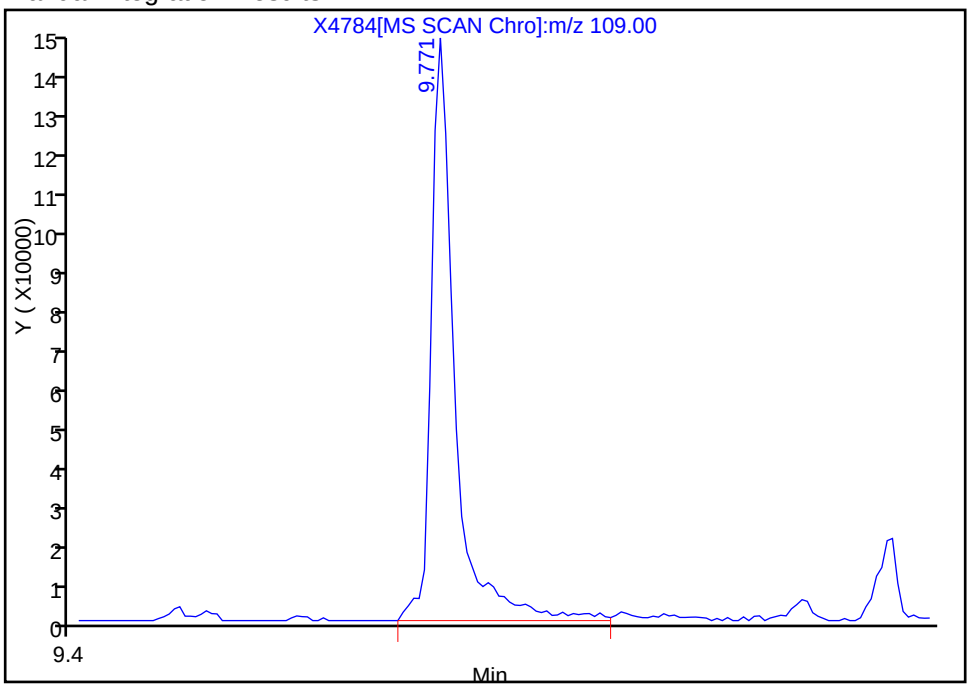
Processing Integration Results

RT: 9.77
Response: 216133
Amount: 114.6033



Manual Integration Results

RT: 9.77
Response: 239578
Amount: 136.3921



Reviewer: mckernar, 03-Apr-2012 15:37:31
Audit Action: Manually Integrated
Audit Reason: Peak Tail

TestAmerica Laboratories
Target Compound Quantitation Report

Data File:	\\Bufchrom\ChromData\HP5973X\20120403-10684.b\X4785.D		
Lims ID:	IC - 160 PT	Client ID:	
Inject. Date:	03-Apr-2012 15:26:30	Dil. Factor:	1.0000
Sample Type:	IC	Calib Level:	6
Sample ID:	480-0010684-007		
Misc. Info.:			
Operator:	RMM	Instrument ID:	HP5973X
Vol. Injected:	1.0000	ALS Bottle#:	7
Lims Batch ID:	57955	Lims Sample ID:	7
Sublist:	chrom-X-8270*sub28		
Detector:	MS SCAN		
Method:	\\Bufchrom\ChromData\HP5973X\20120403-10684.b\X-8270.m		
Last Update:	03-Apr-2012 16:47:27	Calib Date:	03-Apr-2012 15:26:30
Quant Method:	Internal Standard	Quant By:	Initial Calibration
Last ICal File:	\\Bufchrom\ChromData\HP5973X\20120403-10684.b\X4785.D		
Limit Group:	MB - 8270C ICAL		
Integrator:	RTE	ID Type:	Deconvolution ID
Process Host:	CORP-CTX-16		

First Level Reviewer: mckernar Date: 03-Apr-2012 16:47:27

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ng/uL	Flags
* 1 1,4-Dichlorobenzene-d4	152	5.946	5.940	0.006	93	112946	40.0	
* 2 Naphthalene-d8	136	7.447	7.442	0.005	97	428509	40.0	
* 3 Acenaphthene-d10	164	9.499	9.493	0.006	97	310696	40.0	
* 4 Phenanthrene-d10	188	11.123	11.112	0.011	99	513744	40.0	
* 5 Chrysene-d12	240	13.532	13.521	0.011	95	537872	40.0	
* 6 Perylene-d12	264	14.750	14.744	0.006	97	437453	40.0	
$ 7 2-Fluorophenol	112	4.423	4.418	0.005	99	569135	160.3	
$ 8 Phenol-d5	99	5.583	5.566	0.017	91	819925	166.8	
$ 9 Nitrobenzene-d5	82	6.614	6.603	0.011	93	795451	152.0	
$ 10 2-Fluorobiphenyl	172	8.724	8.718	0.006	99	1458185	153.2	
$ 11 2,4,6-Tribromophenol	330	10.412	10.401	0.011	85	265123	167.2	
$ 12 p-Terphenyl-d14	244	12.613	12.608	0.005	99	1653356	150.8	
55 N-Nitrosodimethylamine	42	2.826	2.815	0.011	94	343822	159.1	
56 Pyridine	52	2.880	2.890	-0.010	89	309976	150.7	M
64 Aniline	93	5.577	5.566	0.011	87	1014177	157.6	
63 Phenol	94	5.593	5.583	0.011	90	921264	166.3	
66 Bis(2-chloroethyl)ether	93	5.663	5.647	0.016	85	587152	153.3	
67 2-Chlorophenol	128	5.716	5.705	0.011	97	592828	161.5	
69 1,3-Dichlorobenzene	146	5.877	5.871	0.006	97	652483	153.3	
70 1,4-Dichlorobenzene	146	5.967	5.962	0.005	97	679350	157.0	
72 1,2-Dichlorobenzene	146	6.144	6.138	0.006	95	679829	162.5	
71 Benzyl alcohol	108	6.149	6.133	0.016	96	457524	174.9	
74 2,2'-oxybis[1-chloropropane]	45	6.288	6.282	0.006	90	548993	163.7	
73 2-Methylphenol	108	6.293	6.282	0.011	96	580507	158.1	
78 N-Nitrosodi-n-propylamine	70	6.459	6.437	0.022	89	515544	155.0	
79 4-Methylphenol	108	6.486	6.475	0.011	97	586062	160.0	
81 Hexachloroethane	117	6.528	6.528	0.0	95	264091	150.8	
83 Nitrobenzene	77	6.640	6.624	0.016	94	760678	152.9	
86 Isophorone	82	6.934	6.918	0.016	98	1321232	151.3	
87 2-Nitrophenol	139	7.009	7.004	0.005	96	328440	163.0	

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ng/uL	Flags
89 2,4-Dimethylphenol	107	7.100	7.089	0.011	98	743863	157.3	
90 Tetraethyl lead	237	7.095	7.094	0.001	60	279460	147.7	
94 Bis(2-chloroethoxy)methane	93	7.191	7.180	0.011	98	677581	148.9	
97 2,4-Dichlorophenol	162	7.314	7.308	0.006	98	520362	154.8	
95 Benzoic acid	105	7.452	7.329	0.123	94	1664672	477.2	
98 1,2,4-Trichlorobenzene	180	7.383	7.378	0.005	97	574779	160.4	
99 Naphthalene	128	7.474	7.463	0.011	90	1609969	154.6	
101 4-Chloroaniline	127	7.565	7.554	0.011	96	682995	159.0	
104 Hexachlorobutadiene	225	7.618	7.613	0.005	97	361548	152.5	
110 4-Chloro-3-methylphenol	107	8.163	8.163	0.0	98	650229	159.4	
113 2-Methylnaphthalene	142	8.281	8.280	0.001	97	1216213	160.6	
116 Hexachlorocyclopentadiene	237	8.462	8.457	0.005	95	408563	161.8	
118 2,4,6-Trichlorophenol	196	8.638	8.633	0.005	98	430501	159.1	
119 2,4,5-Trichlorophenol	196	8.692	8.692	0.0	98	426709	162.1	
124 2-Chloronaphthalene	162	8.852	8.847	0.005	99	1205389	155.5	
125 2-Nitroaniline	65	9.018	9.002	0.016	97	442487	153.7	
128 Dimethyl phthalate	163	9.237	9.221	0.016	99	1418133	148.3	
130 2,6-Dinitrotoluene	165	9.306	9.290	0.016	77	327408	153.8	
131 Acenaphthylene	152	9.338	9.327	0.011	97	1891404	150.6	
132 3-Nitroaniline	138	9.515	9.498	0.017	95	360365	166.4	
133 Acenaphthene	153	9.541	9.536	0.005	98	1138621	149.7	
134 2,4-Dinitrophenol	184	9.643	9.627	0.016	97	214869	162.9	
138 Dibenzofuran	168	9.750	9.739	0.011	99	1765450	154.8	
137 2,4-Dinitrotoluene	165	9.787	9.765	0.022	92	477377	162.6	
135 4-Nitrophenol	109	9.776	9.771	0.005	91	299124	164.0	
142 Diethyl phthalate	149	10.054	10.038	0.016	98	1481572	146.3	
144 Fluorene	166	10.140	10.129	0.011	96	1587673	163.3	
145 4-Chlorophenyl phenyl ether	204	10.145	10.139	0.006	97	834562	162.2	
147 4-Nitroaniline	138	10.236	10.198	0.038	90	364790	170.3	
148 4,6-Dinitro-2-methylphenol	198	10.246	10.225	0.021	90	304230	174.2	
149 N-Nitrosodiphenylamine	169	10.295	10.278	0.017	96	1057080	156.7	
152 1,2-Diphenylhydrazine	77	10.321	10.310	0.011	99	1662896	148.0	
159 4-Bromophenyl phenyl ether	248	10.674	10.663	0.011	97	458413	160.8	
160 Hexachlorobenzene	284	10.727	10.716	0.011	93	488043	158.9	
165 Pentachlorophenol	266	10.952	10.946	0.006	97	283622	163.1	
171 Phenanthrene	178	11.144	11.138	0.006	99	2091671	153.3	
172 Anthracene	178	11.197	11.187	0.010	99	2113713	155.9	
173 Carbazole	167	11.374	11.368	0.006	100	1878888	156.6	
176 Di-n-butyl phthalate	149	11.710	11.705	0.005	100	2364921	151.5	
182 Fluoranthene	202	12.271	12.266	0.005	99	2196327	154.9	
183 Benzidine	184	12.410	12.405	0.005	100	1102545	159.2	
185 Pyrene	202	12.474	12.469	0.005	99	2155905	149.7	
191 3,3'-Dimethylbenzidine	212	13.040	13.035	0.005	96	1213445	151.7	
192 Butyl benzyl phthalate	149	13.040	13.035	0.005	94	1145544	143.1	
196 3,3'-Dichlorobenzidine	252	13.505	13.494	0.011	79	909557	149.2	
197 Benzo[a]anthracene	228	13.521	13.510	0.011	95	2252587	151.1	
198 Bis(2-ethylhexyl) phthalate	149	13.527	13.521	0.006	93	1616990	148.1	
199 Chrysene	228	13.559	13.548	0.011	97	1889595	141.3	
201 Di-n-octyl phthalate	149	14.061	14.061	0.0	100	2376918	144.3	
203 Benzo[b]fluoranthene	252	14.429	14.413	0.016	98	2177398	176.7	
204 Benzo[k]fluoranthene	252	14.451	14.435	0.016	98	1839328	140.6	
206 Benzo[a]pyrene	252	14.707	14.696	0.011	99	1642411	158.9	

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ng/uL	Flags
208 Indeno[1,2,3-cd]pyrene	276	15.797	15.765	0.032	78	2244736	170.3	
209 Dibenz(a,h)anthracene	278	15.802	15.770	0.032	90	2105782	175.9	
210 Benzo[g,h,i]perylene	276	16.086	16.059	0.027	98	1766355	163.1	
S 212 3 & 4 Methylphenol	108				0		160.0	
S 213 Total Cresols	1				0		318.1	
S 214 3-Methylphenol	1				0		160.0	

QC Flag Legend

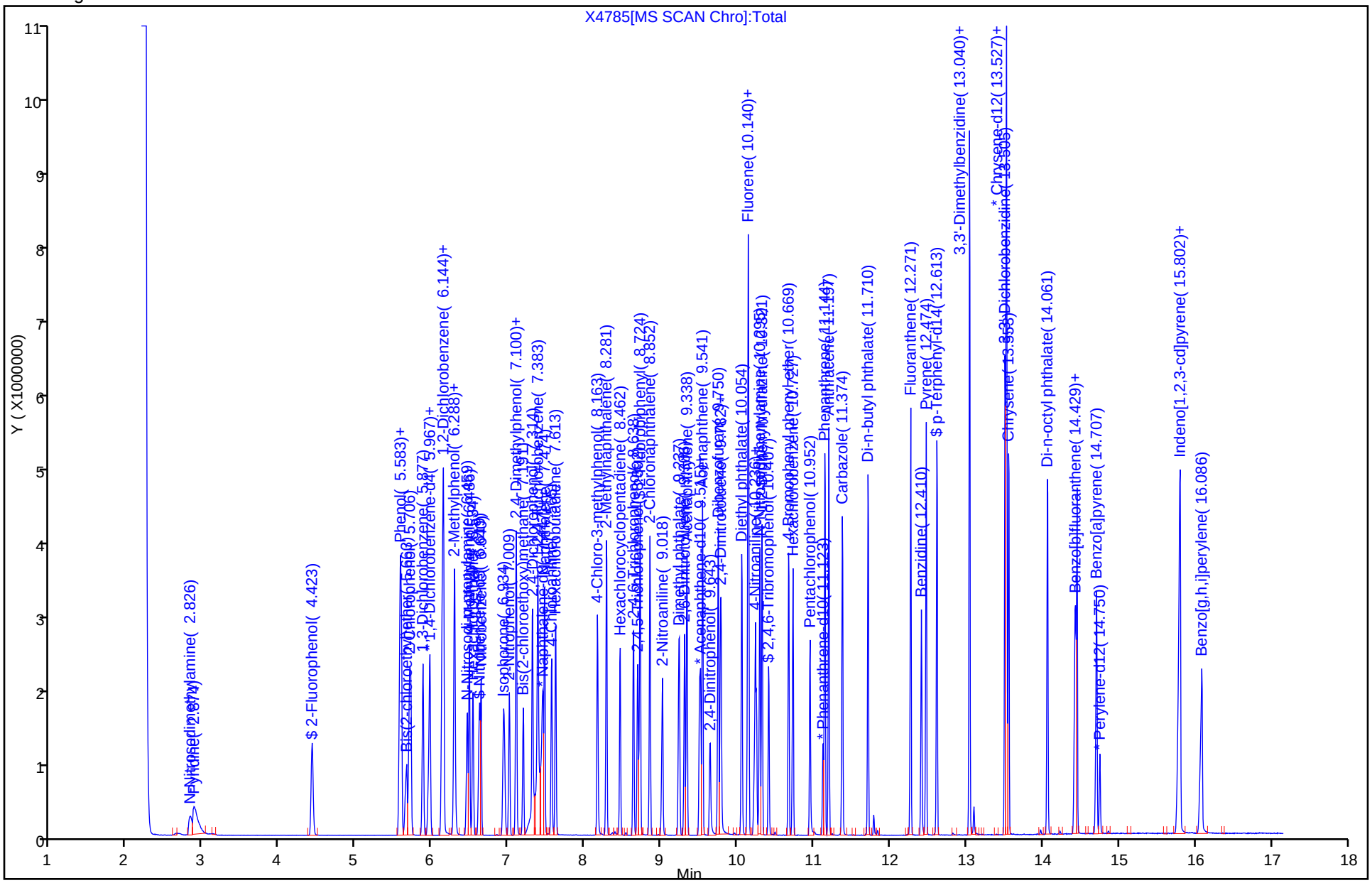
Review Flags
M - Manually Integrated

Report Date: 03-Apr-2012 16:47:27 Chrom Revision: 2.0 20-Feb-2012 13:27:02

Data File: \\Bufchrom\ChromData\HP5973X\20120403-10684.b\X4785.D

Injection Date:	03-Apr-2012 15:26:30	Limit Group:	MB - 8270C ICAL
Client ID:		Instrument ID:	HP5973X
Lims Batch ID:	57955	Lims Sample ID:	7
Operator ID:	RMM	Injection Vol:	1.00 ul
Column Type:	RXI-5Sil MS	Column Dia:	0.25 mm

Y Scaling:



Report Date: 03-Apr-2012 16:47:27 Chrom Revision: 2.0 20-Feb-2012 13:27:02

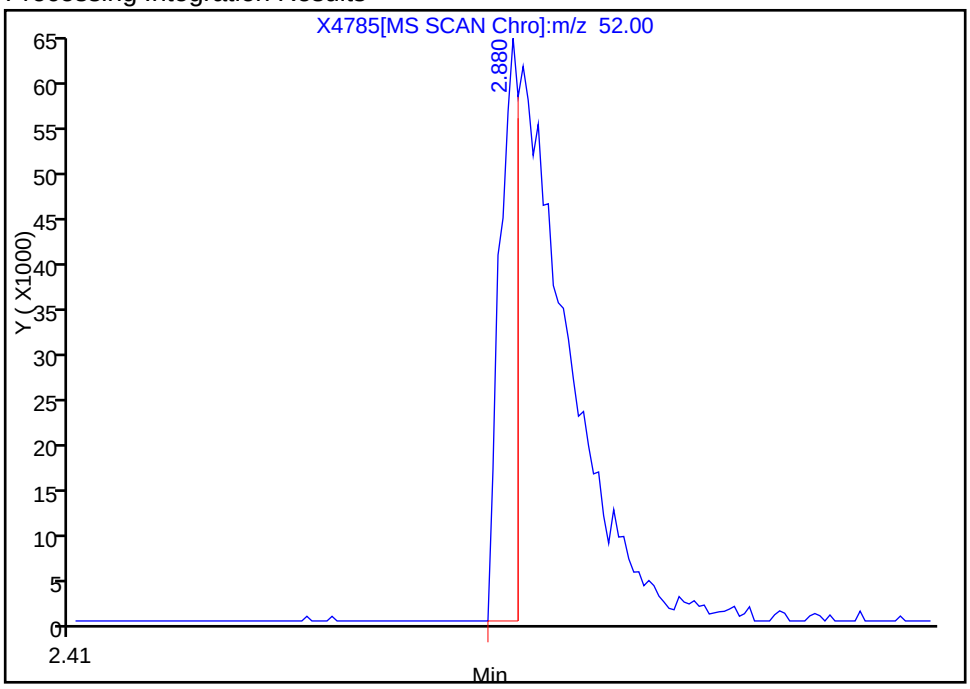
Manual Integration/User Assign Peak Report

Data File:	\\Bufchrom\ChromData\HP5973X\20120403-10684.b\X4785.D		
Injection Date:	03-Apr-2012 15:26:30	Limit Group:	MB - 8270C ICAL
Client ID:		Instrument ID:	HP5973X
Lims Batch ID:	57955	Lims Sample ID:	7
Operator ID:	RMM	Injection Vol:	1.00 ul
Column Type:	RXI-5Sil MS	Column Dia:	0.25 mm

56 Pyridine, Signal: 1, m/z: 52.0 Type: quant, RT: 2.89

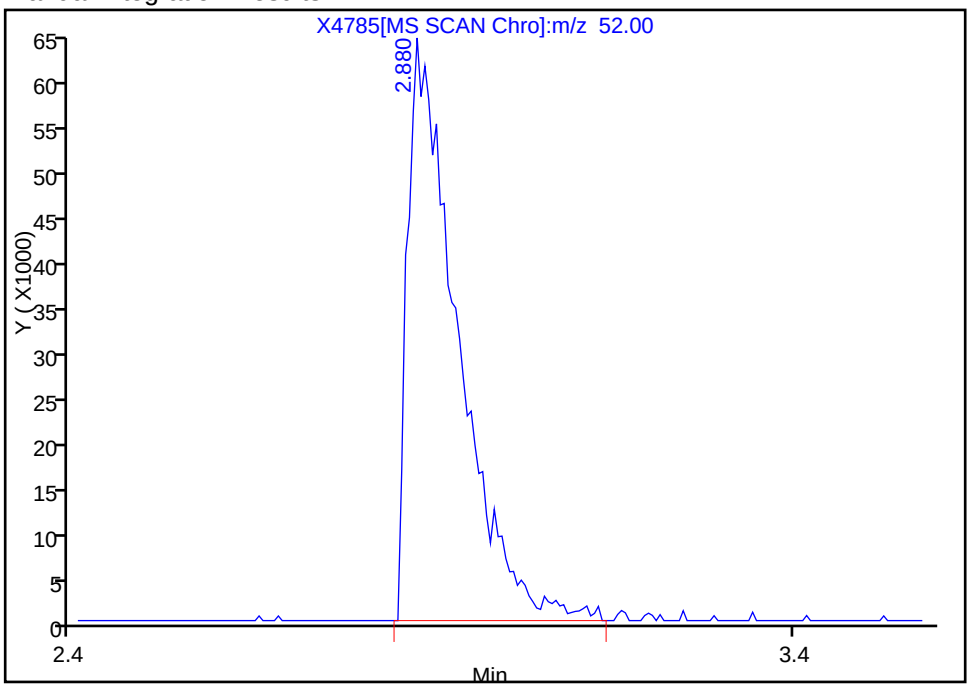
Processing Integration Results

RT: 2.88
Response: 89535
Amount: 49.000802



Manual Integration Results

RT: 2.88
Response: 309976
Amount: 150.7049



Reviewer: mckernar, 03-Apr-2012 16:31:33
Audit Action: Manually Integrated
Audit Reason: Split Peak

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

Lab Name: TestAmerica Buffalo Job No.: 480-18068-1 Analy Batch No.: 58716

SDG No.:

Instrument ID: HP5973X GC Column: RXI-5Sil MS ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 04/09/2012 11:15 Calibration End Date: 04/09/2012 13:17 Calibration ID: 7315

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 480-58716/2	X5074.D
Level 2	IC 480-58716/3	X5075.D
Level 3	ICIS 480-58716/4	X5076.D
Level 4	IC 480-58716/5	X5077.D
Level 5	IC 480-58716/6	X5078.D
Level 6	IC 480-58716/7	X5079.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								
N-Nitrosodimethylamine	0.9432 0.8584	0.9403	0.9595	0.9317	0.8690	Ave		0.9170				4.6		15.0			
Pyridine	1.2432 1.4043	1.4442	1.5523	1.5103	1.3821	Ave		1.4227				7.6		15.0			
Phenol	1.9967 1.7634	1.9966	2.0199	1.8818	1.8125	Ave		1.9118				5.7		15.0			
Aniline	2.7405 2.4566	2.7856	2.6018	2.6222	2.5071	Ave		2.6190				4.9		15.0			
Bis(2-chloroethyl)ether	1.7508 1.4960	1.7642	1.7361	1.6389	1.5309	Ave		1.6528				7.1		15.0			
2-Chlorophenol	1.4426 1.2238	1.4472	1.4559	1.3506	1.2406	Ave		1.3601				7.8		15.0			
1,3-Dichlorobenzene	1.5673 1.2403	1.5334	1.4844	1.3826	1.2850	Ave		1.4155				9.5		15.0			
1,4-Dichlorobenzene	1.6470 1.2194	1.5226	1.4885	1.3766	1.2802	Ave		1.4224				11.0		15.0			
Benzyl alcohol	0.8581 0.8499	0.9656	0.9728	0.9257	0.8522	Ave		0.9041				6.4		15.0			
1,2-Dichlorobenzene	1.5128 1.1354	1.4534	1.3862	1.2841	1.1868	Ave		1.3265				11.0		15.0			
2-Methylphenol	1.3068 1.1676	1.3653	1.3338	1.2661	1.1877	Ave		1.2712				6.3		15.0			
bis (2-chloroisopropyl) ether	2.2457 1.9010	2.2087	2.2151	2.0914	1.9568	Ave		2.1031				6.9		15.0			
4-Methylphenol	1.3466 1.1622	1.3684	1.3417	1.2586	1.1771	Ave		1.2757				7.1		15.0			
N-Nitrosodi-n-propylamine	1.1812 1.0747	1.1625	1.1905	1.1382	1.0797	Ave		1.1378			0.0500	4.4		15.0			
Hexachloroethane	0.6589 0.5426	0.6591	0.6481	0.6031	0.5564	Ave		0.6114				8.6		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 EVALUATION

Lab Name: TestAmerica Buffalo Job No.: 480-18068-1 Analy Batch No.: 58716

SDG No.:

Instrument ID: HP5973X GC Column: RXI-5Sil MS ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 04/09/2012 11:15 Calibration End Date: 04/09/2012 13:17 Calibration ID: 7315

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								
Nitrobenzene	0.5036 0.4298	0.5261	0.5121	0.4768	0.4451	Ave		0.4823				8.0		15.0			
Isophorone	0.8221 0.7429	0.8789	0.8692	0.8050	0.7627	Ave		0.8135				6.8		15.0			
2-Nitrophenol	0.1297 0.1626	0.1575	0.1781	0.1759	0.1660	Lin1	-0.155	0.1693							0.9980		0.9900
2,4-Dimethylphenol	0.4004 0.3544	0.4242	0.4139	0.3980	0.3686	Ave		0.3933				6.8		15.0			
Tetraethyl lead	0.1871 0.1232	0.1892	0.1508	0.1567	0.1385	Qua	0.0594	0.1796	0						0.9980		0.9900
Bis(2-chloroethoxy)methane	0.5488 0.4382	0.5269	0.5219	0.4857	0.4519	Ave		0.4956				8.9		15.0			
2,4-Dichlorophenol	0.3108 0.2487	0.3175	0.3018	0.2737	0.2556	Ave		0.2847				10.0		15.0			
Benzoic acid	0.2729 0.3256	0.2956	0.3145	0.3213	0.3227	Ave		0.3087				6.7		15.0			
1,2,4-Trichlorobenzene	0.3614 0.2685	0.3516	0.3313	0.3056	0.2823	Ave		0.3168				12.0		15.0			
Naphthalene	1.1129 0.8359	1.0887	1.0253	0.9421	0.8763	Ave		0.9802				12.0		15.0			
4-Chloroaniline	0.4484 0.3690	0.4548	0.4444	0.4139	0.3856	Ave		0.4194				8.6		15.0			
Hexachlorobutadiene	0.2412 0.1801	0.2364	0.2237	0.2032	0.1887	Ave		0.2122				12.0		15.0			
4-Chloro-3-methylphenol	0.2969 0.3007	0.3366	0.3552	0.3287	0.3069	Qua	-0.123	0.3609	0						0.9990		0.9900
2-Methylnaphthalene	0.6622 0.5391	0.6508	0.6361	0.5957	0.5461	Ave		0.6050				8.8		15.0			
Hexachlorocyclopentadiene	0.3634 0.3702	0.4041	0.4036	0.4066	0.3763	Ave		0.3874			0.0500	5.0		15.0			
2,4,6-Trichlorophenol	0.3245 0.3456	0.3666	0.3714	0.3782	0.3461	Ave		0.3554				5.7		15.0			
2,4,5-Trichlorophenol	0.3462 0.3551	0.4032	0.3977	0.3970	0.3636	Ave		0.3771				6.6		15.0			
2-Chloronaphthalene	1.1338 0.9470	1.1533	1.0936	1.0546	0.9480	Ave		1.0550				8.5		15.0			
2-Nitroaniline	0.3453 0.3962	0.4062	0.4312	0.4247	0.3984	Ave		0.4003				7.6		15.0			
Dimethyl phthalate	1.3133 1.1268	1.3527	1.2959	1.2506	1.1382	Ave		1.2462				7.6		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 EVALUATION

Lab Name: TestAmerica Buffalo Job No.: 480-18068-1 Analy Batch No.: 58716

SDG No.:

Instrument ID: HP5973X GC Column: RXI-5Sil MS ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 04/09/2012 11:15 Calibration End Date: 04/09/2012 13:17 Calibration ID: 7315

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								
2,6-Dinitrotoluene	0.1917 0.2516	0.2558	0.2653	0.2662	0.2543	Ave		0.2475				11.0		15.0			
Acenaphthylene	1.8842 1.5696	1.8997	1.8114	1.7323	1.6007	Ave		1.7497				8.1		15.0			
3-Nitroaniline	0.2655 0.2981	0.3113	0.3200	0.3165	0.3009	Ave		0.3021				6.6		15.0			
Acenaphthene	1.1746 0.9489	1.1506	1.0846	1.0342	0.9633	Ave		1.0594				8.9		15.0			
2,4-Dinitrophenol	0.0386 0.1356	0.0629	0.1023	0.1198	0.1268	Lin1	-1.216	0.1376			0.0500				0.9960		0.9900
4-Nitrophenol	0.1697 0.2247	0.1957	0.2313	0.2342	0.2209	Ave		0.2127			0.0500	12.0		15.0			
Dibenzofuran	1.7320 1.3577	1.6708	1.5685	1.5020	1.3655	Ave		1.5327				10.0		15.0			
2,4-Dinitrotoluene	0.2826 0.3369	0.3375	0.3549	0.3487	0.3327	Ave		0.3322				7.7		15.0			
Diethyl phthalate	1.3704 1.1494	1.3847	1.3465	1.2798	1.1796	Ave		1.2851				7.8		15.0			
Fluorene	1.3689 1.1328	1.3748	1.3071	1.2395	1.1430	Ave		1.2610				8.5		15.0			
4-Chlorophenyl phenyl ether	0.7565 0.5654	0.7210	0.6694	0.6366	0.5890	Ave		0.6563				11.0		15.0			
4-Nitroaniline	0.2286 0.3037	0.3096	0.3193	0.3217	0.3056	Ave		0.2981				12.0		15.0			
4,6-Dinitro-2-methylphenol	0.0463 0.1034	0.0625	0.0896	0.0989	0.1008	Lin1	-0.707	0.1068							0.9990		0.9900
N-Nitrosodiphenylamine	0.5141 0.4524	0.5294	0.5167	0.4934	0.4647	Ave		0.4951				6.2		15.0			
1,2-Diphenylhydrazine	1.7091 1.4260	1.7207	1.6720	1.5865	1.4652	Ave		1.5966				7.9		15.0			
4-Bromophenyl phenyl ether	0.2072 0.1755	0.2107	0.2041	0.1946	0.1808	Ave		0.1955				7.4		15.0			
Hexachlorobenzene	0.2162 0.1874	0.2377	0.2170	0.2032	0.1961	Ave		0.2096				8.6		15.0			
Pentachlorophenol	0.0689 0.1195	0.0862	0.1188	0.1208	0.1200	Lin1	-0.595	0.1252							0.9990		0.9900
Phenanthrene	1.0958 0.8606	1.0646	0.9861	0.9518	0.8897	Ave		0.9748				9.6		15.0			
Anthracene	1.0551 0.8750	1.0740	1.0229	0.9728	0.8989	Ave		0.9831				8.4		15.0			

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

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

Lab Name: TestAmerica Buffalo Job No.: 480-18068-1 Analy Batch No.: 58716

SDG No.:

Instrument ID: HP5973X GC Column: RXI-5Sil MS ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 04/09/2012 11:15 Calibration End Date: 04/09/2012 13:17 Calibration ID: 7315

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								
Carbazole	1.0444 0.8467	1.0245	1.0026	0.9352	0.8828	Ave		0.9560				8.4		15.0			
Di-n-butyl phthalate	1.1321 1.0296	1.2647	1.2451	1.1565	1.0802	Ave		1.1513				8.0		15.0			
Fluoranthene	1.2204 1.0228	1.2851	1.1985	1.1488	1.0570	Ave		1.1554				8.7		15.0			
Benzidine	0.5776 0.6333	0.7160	0.5604	0.7044	0.6624	Ave		0.6423				10.0		15.0			
Pyrene	1.2495 1.2191	1.3163	1.2979	1.2775	1.2346	Ave		1.2658				3.0		15.0			
3,3'-Dimethylbenzidine	0.5668 0.4744	0.6837	0.5038	0.5837	0.5179	Ave		0.5551				13.0		15.0			
Butyl benzyl phthalate	0.4901 0.5366	0.5709	0.6026	0.5855	0.5534	Ave		0.5565				7.2		15.0			
3,3'-Dichlorobenzidine	0.3596 0.4525	0.4332	0.4674	0.4566	0.4524	Ave		0.4369				9.0		15.0			
Benzo(a)anthracene	1.2049 1.0948	1.2535	1.2525	1.2085	1.1466	Ave		1.1935				5.2		15.0			
Bis(2-ethylhexyl) phthalate	0.6697 0.6805	0.7816	0.8095	0.7676	0.7295	Ave		0.7398				7.6		15.0			
Chrysene	1.2452 1.1310	1.2441	1.2233	1.2004	1.1521	Ave		1.1994				4.0		15.0			
Di-n-octyl phthalate	1.0342 1.3741	1.3928	1.5019	1.4427	1.4059	Lin1	-1.359	1.4259							0.9980		0.9900
Benzo(b)fluoranthene	1.0790 1.0419	1.1309	1.1619	1.0179	0.9771	Ave		1.0681				6.5		15.0			
Benzo(k)fluoranthene	1.3039 0.9279	1.2594	1.1586	1.1160	1.0329	Ave		1.1331				12.0		15.0			
Benzo(a)pyrene	0.9716 0.8527	1.0282	0.9904	0.9486	0.8763	Ave		0.9446				7.2		15.0			
Indeno(1,2,3-cd)pyrene	1.0874 0.9997	1.1085	1.0940	1.0357	0.9885	Ave		1.0523				4.9		15.0			
Dibenz(a,h)anthracene	0.9610 0.8805	0.9908	0.9717	0.9332	0.8669	Ave		0.9340				5.4		15.0			
Benzo(g,h,i)perylene	0.9567 0.8297	0.9526	0.9106	0.8612	0.8172	Ave		0.8880				6.9		15.0			
2-Fluorophenol	1.6121 1.4812	1.6227	1.6684	1.6009	1.5106	Ave		1.5826				4.5		15.0			
Phenol-d5	1.8814 1.7392	2.0082	1.9892	1.8856	1.7670	Ave		1.8784				5.9		15.0			

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

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

Lab Name: TestAmerica Buffalo Job No.: 480-18068-1 Analy Batch No.: 58716

SDG No.:

Instrument ID: HP5973X GC Column: RXI-5Sil MS ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 04/09/2012 11:15 Calibration End Date: 04/09/2012 13:17 Calibration ID: 7315

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								
Nitrobenzene-d5	0.4416 0.4202	0.4754	0.4875	0.4634	0.4332	Ave		0.4535				5.7		15.0			
2-Fluorobiphenyl	1.4822 1.1318	1.3979	1.3273	1.2672	1.1527	Ave		1.2932				11.0		15.0			
2,4,6-Tribromophenol	0.0643 0.0827	0.0808	0.0900	0.0890	0.0835	Lin1	-0.082	0.0858							0.9980		0.9900
p-Terphenyl-d14	0.8195 0.8114	0.8717	0.8778	0.8678	0.8260	Ave		0.8457				3.5		15.0			

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

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

Lab Name: TestAmerica Buffalo Job No.: 480-18068-1 Analy Batch No.: 58716

SDG No.:

Instrument ID: HP5973X GC Column: RXI-5Sil MS ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 04/09/2012 11:15 Calibration End Date: 04/09/2012 13:17 Calibration ID: 7315

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 480-58716/2	X5074.D
Level 2	IC 480-58716/3	X5075.D
Level 3	ICIS 480-58716/4	X5076.D
Level 4	IC 480-58716/5	X5077.D
Level 5	IC 480-58716/6	X5078.D
Level 6	IC 480-58716/7	X5079.D

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (NG/UL)				
			LVL 1 LVL 6	LVL 2	LVL 3	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2	LVL 3	LVL 4	LVL 5
N-Nitrosodimethylamine	DCB	Ave	10065 369945	44186	110606	197256	273494	5.00 160	20.0	50.0	80.0	120
Pyridine	DCB	Ave	13267 605206	67866	178937	319767	434969	5.00 160	20.0	50.0	80.0	120
Phenol	DCB	Ave	21308 759988	93827	232839	398431	570403	5.00 160	20.0	50.0	80.0	120
Aniline	DCB	Ave	29245 1058720	130907	299913	555196	789015	5.00 160	20.0	50.0	80.0	120
Bis(2-chloroethyl)ether	DCB	Ave	18683 644750	82907	200118	347002	481794	5.00 160	20.0	50.0	80.0	120
2-Chlorophenol	DCB	Ave	15395 527413	68010	167817	285961	390422	5.00 160	20.0	50.0	80.0	120
1,3-Dichlorobenzene	DCB	Ave	16725 534556	72062	171111	292742	404386	5.00 160	20.0	50.0	80.0	120
1,4-Dichlorobenzene	DCB	Ave	17576 525549	71551	171574	291461	402883	5.00 160	20.0	50.0	80.0	120
Benzyl alcohol	DCB	Ave	9157 366306	45379	112140	196004	268190	5.00 160	20.0	50.0	80.0	120
1,2-Dichlorobenzene	DCB	Ave	16144 489318	68302	159783	271886	373482	5.00 160	20.0	50.0	80.0	120
2-Methylphenol	DCB	Ave	13945 503196	64160	153744	268069	373786	5.00 160	20.0	50.0	80.0	120
bis (2-chloroisopropyl) ether	DCB	Ave	23965 819278	103793	255336	442806	615821	5.00 160	20.0	50.0	80.0	120
4-Methylphenol	DCB	Ave	14370 500866	64305	154653	266476	370443	5.00 160	20.0	50.0	80.0	120
N-Nitrosodi-n-propylamine	DCB	Ave	12605 463177	54632	137226	240994	339796	5.00 160	20.0	50.0	80.0	120
Hexachloroethane	DCB	Ave	7031 233857	30972	74706	127695	175095	5.00 160	20.0	50.0	80.0	120
Nitrobenzene	NPT	Ave	19121 683111	86400	210076	366234	509902	5.00 160	20.0	50.0	80.0	120

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

Lab Name: TestAmerica Buffalo Job No.: 480-18068-1 Analy Batch No.: 58716

SDG No.:

Instrument ID: HP5973X GC Column: RXI-5Sil MS ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 04/09/2012 11:15 Calibration End Date: 04/09/2012 13:17 Calibration ID: 7315

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (NG/UL)				
			LVL 1 LVL 6	LVL 2	LVL 3	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2	LVL 3	LVL 4	LVL 5
Isophorone	NPT	Ave	31215 1180672	144337	356543	618286	873763	5.00 160	20.0	50.0	80.0	120
2-Nitrophenol	NPT	Lin1	4924 258464	25864	73077	135090	190135	5.00 160	20.0	50.0	80.0	120
2,4-Dimethylphenol	NPT	Ave	15202 563284	69669	169803	305704	422269	5.00 160	20.0	50.0	80.0	120
Tetraethyl lead	NPT	Qua	7105 195841	31076	61852	120340	158626	5.00 160	20.0	50.0	80.0	120
Bis(2-chloroethoxy)methane	NPT	Ave	20837 696452	86524	214076	373070	517686	5.00 160	20.0	50.0	80.0	120
2,4-Dichlorophenol	NPT	Ave	11802 395170	52149	123817	210215	292775	5.00 160	20.0	50.0	80.0	120
Benzoic acid	NPT	Ave	207218 1552346	291226	386999	740255	1109022	100 480	120	150	240	360
1,2,4-Trichlorobenzene	NPT	Ave	13720 426651	57749	135906	234732	323408	5.00 160	20.0	50.0	80.0	120
Naphthalene	NPT	Ave	42255 1328348	178798	420585	723540	1003848	5.00 160	20.0	50.0	80.0	120
4-Chloroaniline	NPT	Ave	17023 586382	74690	182315	317901	441746	5.00 160	20.0	50.0	80.0	120
Hexachlorobutadiene	NPT	Ave	9157 286136	38823	91774	156057	216142	5.00 160	20.0	50.0	80.0	120
4-Chloro-3-methylphenol	NPT	Qua	11273 477886	55278	145719	252488	351609	5.00 160	20.0	50.0	80.0	120
2-Methylnaphthalene	NPT	Ave	25141 856748	106881	260942	457521	625644	5.00 160	20.0	50.0	80.0	120
Hexachlorocyclopentadiene	ANT	Ave	7795 320672	37599	95605	171806	238733	5.00 160	20.0	50.0	80.0	120
2,4,6-Trichlorophenol	ANT	Ave	6960 299335	34111	87978	159807	219538	5.00 160	20.0	50.0	80.0	120
2,4,5-Trichlorophenol	ANT	Ave	7425 307557	37520	94186	167740	230626	5.00 160	20.0	50.0	80.0	120
2-Chloronaphthalene	ANT	Ave	24317 820196	107307	259012	445620	601372	5.00 160	20.0	50.0	80.0	120
2-Nitroaniline	ANT	Ave	7406 343174	37796	102127	179438	252742	5.00 160	20.0	50.0	80.0	120
Dimethyl phthalate	ANT	Ave	28168 975918	125867	306938	528425	722012	5.00 160	20.0	50.0	80.0	120
2,6-Dinitrotoluene	ANT	Ave	4112 217894	23799	62829	112502	161308	5.00 160	20.0	50.0	80.0	120
Acenaphthylene	ANT	Ave	40412 1359463	176763	429033	731982	1015460	5.00 160	20.0	50.0	80.0	120

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

Lab Name: TestAmerica Buffalo Job No.: 480-18068-1 Analy Batch No.: 58716

SDG No.:

Instrument ID: HP5973X GC Column: RXI-5Sil MS ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 04/09/2012 11:15 Calibration End Date: 04/09/2012 13:17 Calibration ID: 7315

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (NG/UL)				
			LVL 1 LVL 6	LVL 2	LVL 3	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2	LVL 3	LVL 4	LVL 5
3-Nitroaniline	ANT	Ave	5694 258151	28965	75803	133733	190908	5.00 160	20.0	50.0	80.0	120
Acenaphthene	ANT	Ave	25193 821848	107063	256885	437017	611067	5.00 160	20.0	50.0	80.0	120
2,4-Dinitrophenol	ANT	Lin1	1656 117419	5852	24228	50628	80431	10.0 160	20.0	50.0	80.0	120
4-Nitrophenol	ANT	Ave	7279 194600	18209	54794	98944	140139	10.0 160	20.0	50.0	80.0	120
Dibenzofuran	ANT	Ave	37146 1175905	155465	371501	634669	866210	5.00 160	20.0	50.0	80.0	120
2,4-Dinitrotoluene	ANT	Ave	6060 291818	31399	84068	147321	211071	5.00 160	20.0	50.0	80.0	120
Diethyl phthalate	ANT	Ave	29391 995497	128846	318929	540782	748332	5.00 160	20.0	50.0	80.0	120
Fluorene	ANT	Ave	29360 981104	127916	309580	523740	725107	5.00 160	20.0	50.0	80.0	120
4-Chlorophenyl phenyl ether	ANT	Ave	16224 489687	67088	158537	268998	373620	5.00 160	20.0	50.0	80.0	120
4-Nitroaniline	ANT	Ave	4903 262999	28810	75637	135929	193848	5.00 160	20.0	50.0	80.0	120
4,6-Dinitro-2-methylphenol	PHN	Lin1	3604 163682	10470	38248	75646	114361	10.0 160	20.0	50.0	80.0	120
N-Nitrosodiphenylamine	PHN	Ave	20021 715778	88661	220560	377250	527291	5.00 160	20.0	50.0	80.0	120
1,2-Diphenylhydrazine	ANT	Ave	36655 1235118	160101	396016	670384	929484	5.00 160	20.0	50.0	80.0	120
4-Bromophenyl phenyl ether	PHN	Ave	8069 277735	35291	87139	148779	205170	5.00 160	20.0	50.0	80.0	120
Hexachlorobenzene	PHN	Ave	8418 296456	39807	92618	155376	222445	5.00 160	20.0	50.0	80.0	120
Pentachlorophenol	PHN	Lin1	5364 189160	14439	50730	92336	136098	10.0 160	20.0	50.0	80.0	120
Phenanthrene	PHN	Ave	42675 1361700	178286	420943	727741	1009465	5.00 160	20.0	50.0	80.0	120
Anthracene	PHN	Ave	41090 1384630	179856	436653	743798	1019913	5.00 160	20.0	50.0	80.0	120
Carbazole	PHN	Ave	40671 1339734	171570	428018	715060	1001600	5.00 160	20.0	50.0	80.0	120
Di-n-butyl phthalate	PHN	Ave	44086 1629113	211784	531505	884250	1225592	5.00 160	20.0	50.0	80.0	120
Fluoranthene	PHN	Ave	47526 1618409	215210	511609	878356	1199281	5.00 160	20.0	50.0	80.0	120

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

Lab Name: TestAmerica Buffalo Job No.: 480-18068-1 Analy Batch No.: 58716

SDG No.:

Instrument ID: HP5973X GC Column: RXI-5Sil MS ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 04/09/2012 11:15 Calibration End Date: 04/09/2012 13:17 Calibration ID: 7315

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (NG/UL)				
			LVL 1 LVL 6	LVL 2	LVL 3	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2	LVL 3	LVL 4	LVL 5
Benzidine	CRY	Ave	23606 855483	122339	227025	492588	660577	5.00 160	20.0	50.0	80.0	120
Pyrene	CRY	Ave	51063 1646893	224906	525803	893352	1231250	5.00 160	20.0	50.0	80.0	120
3,3'-Dimethylbenzidine	PHN	Ave	22074 750610	114498	215081	446312	587559	5.00 160	20.0	50.0	80.0	120
Butyl benzyl phthalate	CRY	Ave	20027 724896	97550	244109	409420	551908	5.00 160	20.0	50.0	80.0	120
3,3'-Dichlorobenzidine	CRY	Ave	14696 611253	74016	189360	319270	451153	5.00 160	20.0	50.0	80.0	120
Benzo(a)anthracene	CRY	Ave	49241 1479017	214170	507401	845074	1143497	5.00 160	20.0	50.0	80.0	120
Bis(2-ethylhexyl) phthalate	CRY	Ave	27370 919322	133540	327956	536783	727573	5.00 160	20.0	50.0	80.0	120
Chrysene	CRY	Ave	50888 1527890	212572	495589	839398	1149053	5.00 160	20.0	50.0	80.0	120
Di-n-octyl phthalate	CRY	Lin1	42263 1856329	237976	608461	1008851	1402161	5.00 160	20.0	50.0	80.0	120
Benzo(b)fluoranthene	PRY	Ave	46045 1730726	205194	524964	821505	1168155	5.00 160	20.0	50.0	80.0	120
Benzo(k)fluoranthene	PRY	Ave	55646 1541345	228516	523461	900650	1234872	5.00 160	20.0	50.0	80.0	120
Benzo(a)pyrene	PRY	Ave	41465 1416443	186562	447457	765539	1047700	5.00 160	20.0	50.0	80.0	120
Indeno(1,2,3-cd)pyrene	PRY	Ave	46406 1660671	201126	494265	835887	1181806	5.00 160	20.0	50.0	80.0	120
Dibenz(a,h)anthracene	PRY	Ave	41009 1462605	179769	439012	753109	1036468	5.00 160	20.0	50.0	80.0	120
Benzo(g,h,i)perylene	PRY	Ave	40828 1378192	172842	411407	694985	976937	5.00 160	20.0	50.0	80.0	120
2-Fluorophenol	DCB	Ave	17203 638358	76257	192312	338956	475409	5.00 160	20.0	50.0	80.0	120
Phenol-d5	DCB	Ave	20077 749537	94370	229300	399238	556072	5.00 160	20.0	50.0	80.0	120
Nitrobenzene-d5	NPT	Ave	16766 667827	78067	199970	355881	496241	5.00 160	20.0	50.0	80.0	120
2-Fluorobiphenyl	ANT	Ave	31790 980274	130073	314376	535449	731248	5.00 160	20.0	50.0	80.0	120
2,4,6-Tribromophenol	PHN	Lin1	2505 130923	13527	38406	68041	94751	5.00 160	20.0	50.0	80.0	120
p-Terphenyl-d14	CRY	Ave	33490 1096197	148940	355607	606801	823779	5.00 160	20.0	50.0	80.0	120

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

Lab Name: TestAmerica Buffalo Job No.: 480-18068-1 Analy Batch No.: 58716

SDG No.:

Instrument ID: HP5973X GC Column: RXI-5Sil MS ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 04/09/2012 11:15 Calibration End Date: 04/09/2012 13:17 Calibration ID: 7315

Curve Type Legend:

Ave = Average ISTD
Lin1 = Linear 1/conc ISTD
Qua = Quadratic ISTD

TestAmerica Laboratories
Target Compound Quantitation Report

Data File:	\\Bufchrom\ChromData\HP5973X\20120409-10830.b\X5074.D		
Lims ID:	IC - 5 PT	Client ID:	
Inject. Date:	09-Apr-2012 11:15:30	Dil. Factor:	1.0000
Sample Type:	IC	Calib Level:	1
Sample ID:	480-0010830-002		
Misc. Info.:			
Operator:	RMM	Instrument ID:	HP5973X
Vol. Injected:	1.0000	ALS Bottle#:	2
Lims Batch ID:	58716	Lims Sample ID:	2
Sublist:	chrom-X-8270*sub28		
Detector:	MS SCAN		
Method:	\\Bufchrom\ChromData\HP5973X\20120409-10830.b\X-8270.m		
Last Update:	09-Apr-2012 16:33:52	Calib Date:	09-Apr-2012 15:39:30
Quant Method:	Internal Standard	Quant By:	Initial Calibration
Last ICal File:	\\Bufchrom\ChromData\HP5973X\20120409-10830.b\X5085.D		
Limit Group:	MB - 8270C ICAL		
Integrator:	RTE	ID Type:	Deconvolution ID
Process Host:	CORP-CTX-19		
First Level Reviewer: mckernar		Date:	09-Apr-2012 16:33:52

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ng/uL	Flags
* 1 1,4-Dichlorobenzene-d4	152	6.050	6.051	-0.001	97	85371	40.0	
* 2 Naphthalene-d8	136	7.546	7.546	0.0	94	303743	40.0	
* 3 Acenaphthene-d10	164	9.603	9.609	-0.006	50	171580	40.0	
* 4 Phenanthrene-d10	188	11.206	11.222	-0.016	99	311542	40.0	
* 5 Chrysene-d12	240	13.615	13.631	-0.016	100	326929	40.0	
* 6 Perylene-d12	264	14.865	14.881	-0.016	99	341402	40.0	
$ 7 2-Fluorophenol	112	4.480	4.491	-0.011	65	17203	5.09	
$ 8 Phenol-d5	99	5.607	5.613	-0.006	76	20077	5.01	
$ 9 Nitrobenzene-d5	82	6.697	6.702	-0.005	76	16766	4.87	
$ 10 2-Fluorobiphenyl	172	8.818	8.823	-0.005	93	31790	5.73	
$ 11 2,4,6-Tribromophenol	330	10.484	10.501	-0.017	1	2505	4.70	
$ 12 p-Terphenyl-d14	244	12.696	12.707	-0.011	94	33490	4.85	
55 N-Nitrosodimethylamine	42	2.899	2.904	-0.006	73	10065	5.14	M
56 Pyridine	52	2.968	2.968	0.0	74	13267	4.37	M
63 Phenol	94	5.618	5.629	-0.011	66	21308	5.22	
64 Aniline	93	5.666	5.666	0.0	92	29245	5.23	
66 Bis(2-chloroethyl)ether	93	5.741	5.746	-0.005	73	18683	5.30	
67 2-Chlorophenol	128	5.794	5.800	-0.006	86	15395	5.30	
69 1,3-Dichlorobenzene	146	5.981	5.981	0.0	88	16725	5.54	
70 1,4-Dichlorobenzene	146	6.066	6.072	-0.006	65	17576	5.79	
71 Benzyl alcohol	108	6.216	6.216	0.0	94	9157	4.75	
72 1,2-Dichlorobenzene	146	6.243	6.248	-0.005	73	16144	5.70	
73 2-Methylphenol	108	6.344	6.344	0.0	89	13945	5.14	
74 2,2'-oxybis[1-chloropropane]	45	6.382	6.382	0.0	81	23965	5.34	
79 4-Methylphenol	108	6.521	6.531	-0.010	91	14370	5.28	
78 N-Nitrosodi-n-propylamine	70	6.531	6.537	-0.006	84	12605	5.19	
81 Hexachloroethane	117	6.638	6.644	-0.006	78	7031	5.39	
83 Nitrobenzene	77	6.718	6.724	-0.006	74	19121	5.22	
86 Isophorone	82	7.007	7.012	-0.005	89	31215	5.05	
87 2-Nitrophenol	139	7.098	7.103	-0.005	60	4924	4.74	

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ng/uL	Flags
89 2,4-Dimethylphenol	107	7.156	7.156	0.0	88	15202	5.09	
90 Tetraethyl lead	237	7.199	7.199	0.0	46	7105	4.93	
94 Bis(2-chloroethoxy)methane	93	7.274	7.279	-0.005	88	20837	5.54	
95 Benzoic acid	105	7.327	7.354	-0.027	62	207218	88.4	
97 2,4-Dichlorophenol	162	7.381	7.381	0.0	78	11802	5.46	
98 1,2,4-Trichlorobenzene	180	7.477	7.477	0.0	81	13720	5.70	
99 Naphthalene	128	7.568	7.568	0.0	81	42255	5.68	
101 4-Chloroaniline	127	7.648	7.643	0.005	90	17023	5.35	
104 Hexachlorobutadiene	225	7.723	7.717	0.006	74	9157	5.68	
110 4-Chloro-3-methylphenol	107	8.214	8.209	0.005	70	11273	4.48	
113 2-Methylnaphthalene	142	8.380	8.380	0.0	96	25141	5.47	
116 Hexachlorocyclopentadiene	237	8.567	8.567	0.0	58	7795	4.69	
118 2,4,6-Trichlorophenol	196	8.711	8.716	-0.005	59	6960	4.57	
119 2,4,5-Trichlorophenol	196	8.748	8.748	0.0	52	7425	4.59	
124 2-Chloronaphthalene	162	8.946	8.951	-0.005	94	24317	5.37	
125 2-Nitroaniline	65	9.079	9.085	-0.006	70	7406	4.31	
128 Dimethyl phthalate	163	9.309	9.320	-0.011	97	28168	5.27	
130 2,6-Dinitrotoluene	165	9.373	9.384	-0.011	46	4112	3.87	
131 Acenaphthylene	152	9.432	9.438	-0.006	95	40412	5.38	
132 3-Nitroaniline	138	9.566	9.582	-0.016	74	5694	4.39	
133 Acenaphthene	153	9.640	9.646	-0.006	93	25193	5.54	
134 2,4-Dinitrophenol	184	9.688	9.699	-0.011	12	1656	11.6	
135 4-Nitrophenol	109	9.769	9.785	-0.016	82	7279	7.98	
138 Dibenzofuran	168	9.843	9.849	-0.006	94	37146	5.65	
137 2,4-Dinitrotoluene	165	9.838	9.854	-0.016	52	6060	4.25	
142 Diethyl phthalate	149	10.132	10.143	-0.011	99	29391	5.33	
144 Fluorene	166	10.228	10.239	-0.011	91	29360	5.43	
145 4-Chlorophenyl phenyl ether	204	10.239	10.250	-0.011	88	16224	5.76	
147 4-Nitroaniline	138	10.260	10.282	-0.022	77	4903	3.83	
148 4,6-Dinitro-2-methylphenol	198	10.287	10.308	-0.021	52	3604	10.9	
149 N-Nitrosodiphenylamine	169	10.367	10.383	-0.016	91	20021	5.19	
152 1,2-Diphenylhydrazine	77	10.410	10.421	-0.011	97	36655	5.35	
159 4-Bromophenyl phenyl ether	248	10.757	10.773	-0.016	67	8069	5.30	
160 Hexachlorobenzene	284	10.805	10.821	-0.016	61	8418	5.16	
165 Pentachlorophenol	266	11.019	11.030	-0.011	21	5364	10.3	
171 Phenanthrene	178	11.227	11.243	-0.016	99	42675	5.62	
172 Anthracene	178	11.275	11.297	-0.022	98	41090	5.37	
173 Carbazole	167	11.441	11.462	-0.021	98	40671	5.46	
176 Di-n-butyl phthalate	149	11.793	11.810	-0.017	97	44086	4.92	
182 Fluoranthene	202	12.349	12.365	-0.016	97	47526	5.28	
183 Benzidine	184	12.482	12.493	-0.011	76	23606	4.50	
185 Pyrene	202	12.552	12.563	-0.011	98	51063	4.94	
191 3,3'-Dimethylbenzidine	212	13.118	13.124	-0.006	79	22074	5.11	
192 Butyl benzyl phthalate	149	13.124	13.134	-0.010	94	20027	4.40	
196 3,3'-Dichlorobenzidine	252	13.583	13.599	-0.016	23	14696	4.12	
197 Benzo[a]anthracene	228	13.604	13.621	-0.017	49	49241	5.05	
198 Bis(2-ethylhexyl) phthalate	149	13.620	13.631	-0.011	73	27370	4.53	
199 Chrysene	228	13.636	13.653	-0.017	97	50888	5.19	
201 Di-n-octyl phthalate	149	14.160	14.171	-0.011	98	42263	4.58	
203 Benzo[b]fluoranthene	252	14.513	14.529	-0.016	97	46045	5.05	
204 Benzo[k]fluoranthene	252	14.539	14.555	-0.016	89	55646	5.75	
206 Benzo[a]pyrene	252	14.806	14.828	-0.022	96	41465	5.14	

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ng/uL	Flags
208 Indeno[1,2,3-cd]pyrene	276	15.934	15.955	-0.021	87	46406	5.17	
209 Dibenz(a,h)anthracene	278	15.939	15.966	-0.027	90	41009	5.14	
210 Benzo[g,h,i]perylene	276	16.238	16.270	-0.032	96	40828	5.39	
S 212 3 & 4 Methylphenol	108				0		5.28	
S 213 Total Cresols	1				0		10.4	
S 214 3-Methylphenol	1				0		5.28	

QC Flag Legend

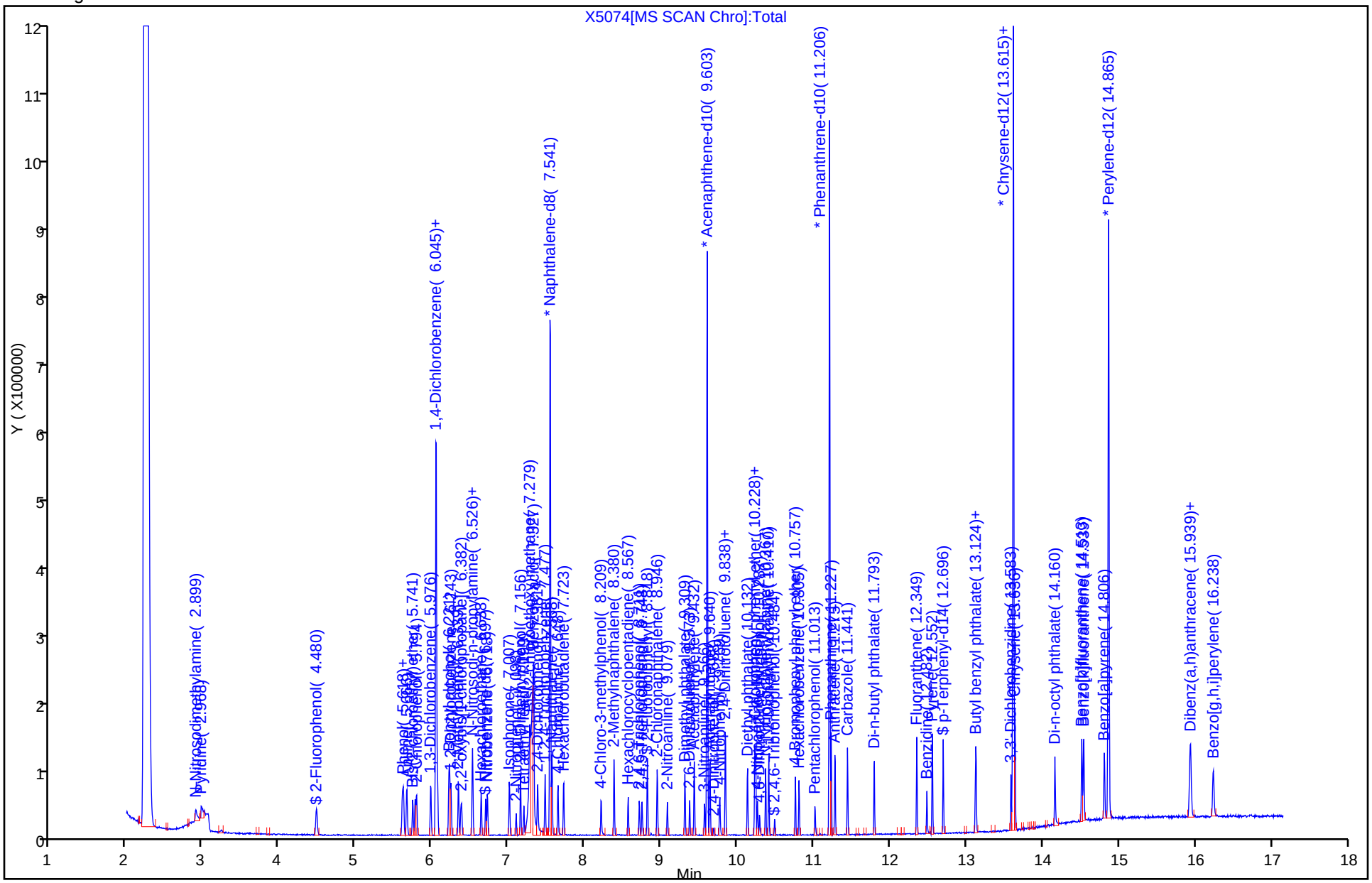
Review Flags
M - Manually Integrated

Report Date: 09-Apr-2012 16:33:53 Chrom Revision: 2.0 20-Feb-2012 13:27:02

Data File: \\Bufchrom\ChromData\HP5973X\20120409-10830.b\X5074.D

Injection Date:	09-Apr-2012 11:15:30	Limit Group:	MB - 8270C ICAL
Client ID:		Instrument ID:	HP5973X
Lims Batch ID:	58716	Lims Sample ID:	2
Operator ID:	RMM	Injection Vol:	1.00 ul
Column Type:	RXI-5Sil MS	Column Dia:	0.25 mm

Y Scaling:



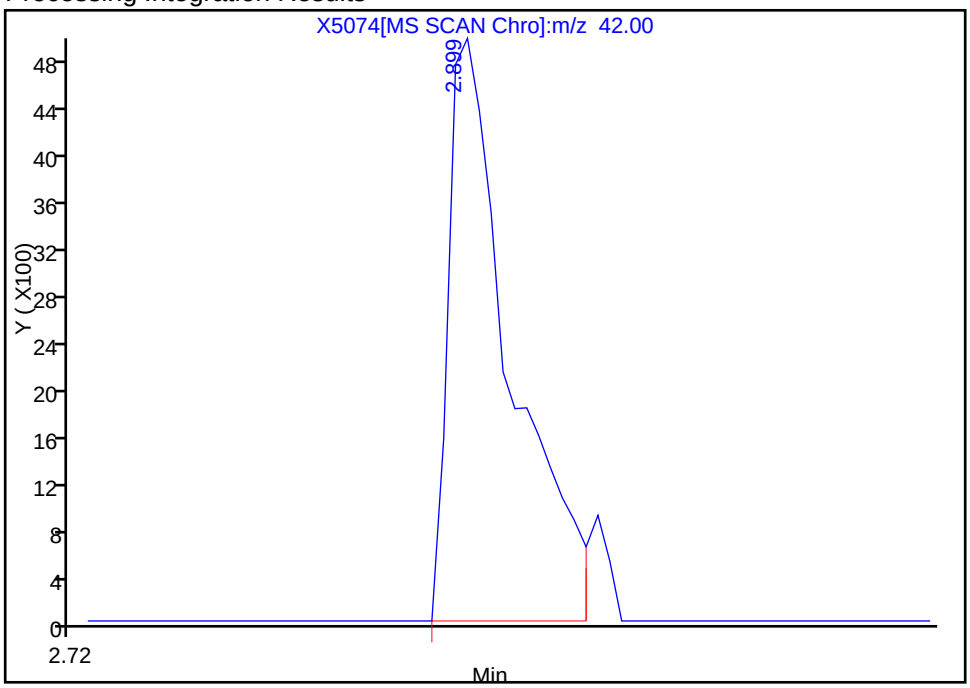
Manual Integration/User Assign Peak Report

Data File:	\\Bufchrom\ChromData\HP5973X\20120409-10830.b\X5074.D		
Injection Date:	09-Apr-2012 11:15:30	Limit Group:	MB - 8270C ICAL
Client ID:		Instrument ID:	HP5973X
Lims Batch ID:	58716	Lims Sample ID:	2
Operator ID:	RMM	Injection Vol:	1.00 ul
Column Type:	RXI-5Sil MS	Column Dia:	0.25 mm

55 N-Nitrosodimethylamine, Signal: 1, m/z: 42.0 Type: quant, RT: 2.90

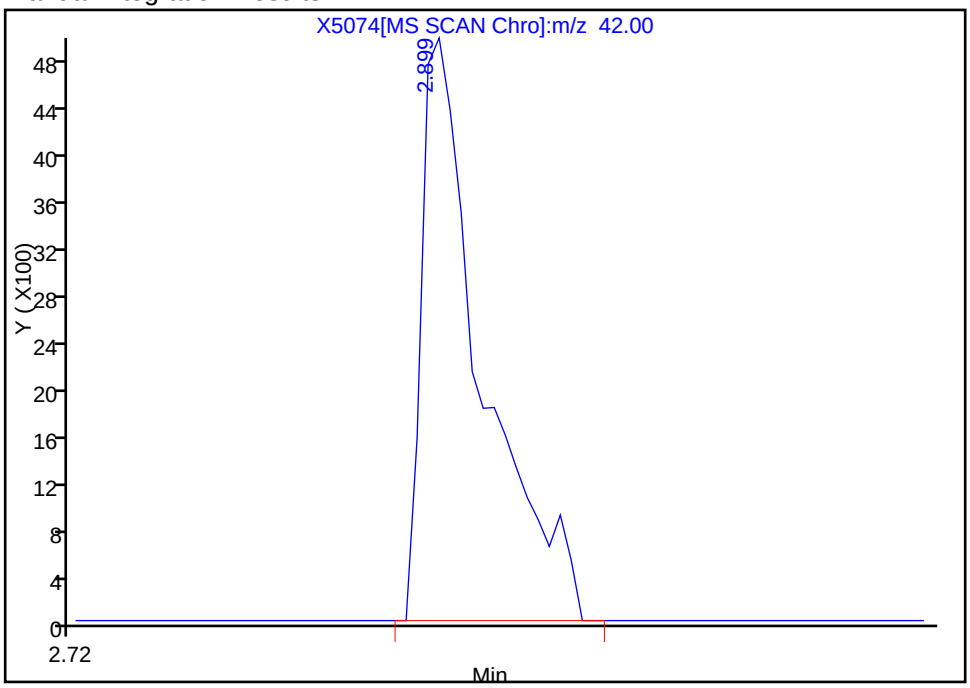
Processing Integration Results

RT: 2.90
Response: 9616
Amount: 4.825785



Manual Integration Results

RT: 2.90
Response: 10065
Amount: 5.142673



Reviewer: mckernar, 09-Apr-2012 12:31:40
Audit Action: Manually Integrated
Audit Reason: Peak Tail

Report Date: 09-Apr-2012 16:33:53 Chrom Revision: 2.0 20-Feb-2012 13:27:02

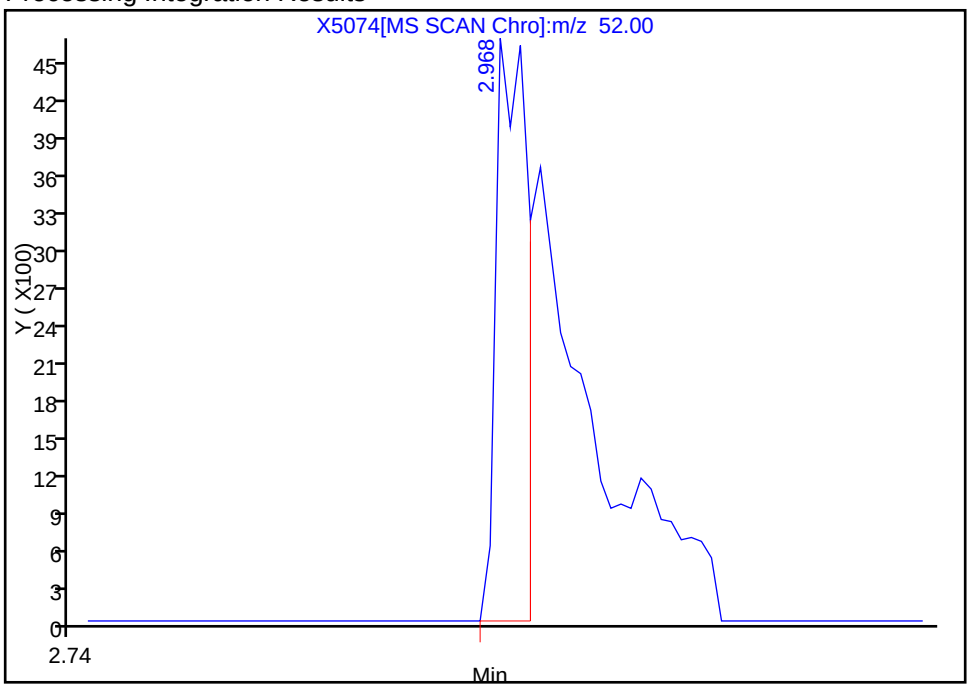
Manual Integration/User Assign Peak Report

Data File:	\\Bufchrom\ChromData\HP5973X\20120409-10830.b\X5074.D		
Injection Date:	09-Apr-2012 11:15:30	Limit Group:	MB - 8270C ICAL
Client ID:		Instrument ID:	HP5973X
Lims Batch ID:	58716	Lims Sample ID:	2
Operator ID:	RMM	Injection Vol:	1.00 ul
Column Type:	RXI-5Sil MS	Column Dia:	0.25 mm

56 Pyridine, Signal: 1, m/z: 52.0 Type: quant, RT: 2.97

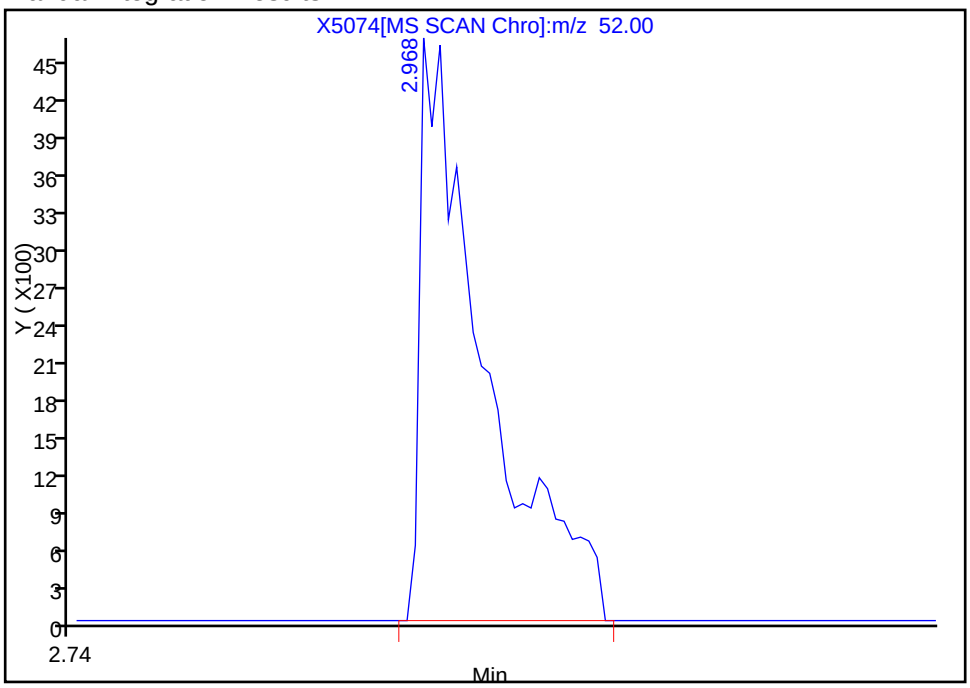
Processing Integration Results

RT: 2.97
Response: 5411
Amount: 2.170905



Manual Integration Results

RT: 2.97
Response: 13267
Amount: 4.369160



Reviewer: mckernar, 09-Apr-2012 12:31:40
Audit Action: Manually Integrated
Audit Reason: Split Peak

TestAmerica Laboratories
Target Compound Quantitation Report

Data File:	\\Bufchrom\ChromData\HP5973X\20120409-10830.b\X5075.D		
Lims ID:	IC - 20 PT	Client ID:	
Inject. Date:	09-Apr-2012 11:41:30	Dil. Factor:	1.0000
Sample Type:	IC	Calib Level:	2
Sample ID:	480-0010830-003		
Misc. Info.:			
Operator:	RMM	Instrument ID:	HP5973X
Vol. Injected:	1.0000	ALS Bottle#:	3
Lims Batch ID:	58716	Lims Sample ID:	3
Sublist:	chrom-X-8270*sub28		
Detector:	MS SCAN		
Method:	\\Bufchrom\ChromData\HP5973X\20120409-10830.b\X-8270.m		
Last Update:	09-Apr-2012 16:33:49	Calib Date:	09-Apr-2012 15:39:30
Quant Method:	Internal Standard	Quant By:	Initial Calibration
Last ICal File:	\\Bufchrom\ChromData\HP5973X\20120409-10830.b\X5085.D		
Limit Group:	MB - 8270C ICAL		
Integrator:	RTE	ID Type:	Deconvolution ID
Process Host:	CORP-CTX-19		
First Level Reviewer: mckernar		Date:	09-Apr-2012 16:33:49

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ng/uL	Flags
* 1 1,4-Dichlorobenzene-d4	152	6.050	6.051	-0.001	97	93987	40.0	
* 2 Naphthalene-d8	136	7.546	7.546	0.0	94	328454	40.0	
* 3 Acenaphthene-d10	164	9.619	9.609	0.010	50	186093	40.0	
* 4 Phenanthrene-d10	188	11.222	11.222	0.0	99	334922	40.0	
* 5 Chrysene-d12	240	13.636	13.631	0.005	100	341726	40.0	
* 6 Perylene-d12	264	14.887	14.881	0.005	99	362887	40.0	
$ 7 2-Fluorophenol	112	4.480	4.491	-0.011	94	76257	20.5	
$ 8 Phenol-d5	99	5.607	5.613	-0.006	89	94370	21.4	
$ 9 Nitrobenzene-d5	82	6.702	6.702	0.0	95	78067	21.0	
$ 10 2-Fluorobiphenyl	172	8.828	8.823	0.005	99	130073	21.6	
$ 11 2,4,6-Tribromophenol	330	10.506	10.501	0.005	78	13527	19.8	
$ 12 p-Terphenyl-d14	244	12.712	12.707	0.005	99	148940	20.6	
55 N-Nitrosodimethylamine	42	2.893	2.904	-0.011	77	44186	20.5	
56 Pyridine	52	2.957	2.968	-0.011	86	67866	20.3	
63 Phenol	94	5.623	5.629	-0.006	78	93827	20.9	
64 Aniline	93	5.666	5.666	0.0	98	130907	21.3	
66 Bis(2-chloroethyl)ether	93	5.746	5.746	0.0	83	82907	21.3	
67 2-Chlorophenol	128	5.794	5.800	-0.006	97	68010	21.3	
69 1,3-Dichlorobenzene	146	5.981	5.981	0.0	98	72062	21.7	
70 1,4-Dichlorobenzene	146	6.066	6.072	-0.006	89	71551	21.4	
71 Benzyl alcohol	108	6.216	6.216	0.0	97	45379	21.4	
72 1,2-Dichlorobenzene	146	6.248	6.248	0.0	85	68302	21.9	
73 2-Methylphenol	108	6.344	6.344	0.0	97	64160	21.5	
74 2,2'-oxybis[1-chloropropane]	45	6.387	6.382	0.005	91	103793	21.0	
79 4-Methylphenol	108	6.526	6.531	-0.005	97	64305	21.5	
78 N-Nitrosodi-n-propylamine	70	6.531	6.537	-0.006	92	54632	20.4	
81 Hexachloroethane	117	6.643	6.644	-0.001	91	30972	21.6	
83 Nitrobenzene	77	6.724	6.724	0.0	89	86400	21.8	
86 Isophorone	82	7.012	7.012	0.0	97	144337	21.6	
87 2-Nitrophenol	139	7.103	7.103	0.0	92	25864	19.5	

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ng/uL	Flags
89 2,4-Dimethylphenol	107	7.162	7.156	0.006	98	69669	21.6	
90 Tetraethyl lead	237	7.199	7.199	0.0	53	31076	21.7	
94 Bis(2-chloroethoxy)methane	93	7.279	7.279	0.0	97	86524	21.3	
95 Benzoic acid	105	7.343	7.354	-0.011	64	291226	114.9	
97 2,4-Dichlorophenol	162	7.381	7.381	0.0	95	52149	22.3	
98 1,2,4-Trichlorobenzene	180	7.482	7.477	0.005	97	57749	22.2	
99 Naphthalene	128	7.573	7.568	0.005	99	178798	22.2	
101 4-Chloroaniline	127	7.648	7.643	0.005	98	74690	21.7	
104 Hexachlorobutadiene	225	7.723	7.717	0.006	98	38823	22.3	
110 4-Chloro-3-methylphenol	107	8.219	8.209	0.010	98	55278	19.4	
113 2-Methylnaphthalene	142	8.390	8.380	0.010	98	106881	21.5	
116 Hexachlorocyclopentadiene	237	8.577	8.567	0.010	91	37599	20.9	
118 2,4,6-Trichlorophenol	196	8.722	8.716	0.006	96	34111	20.6	
119 2,4,5-Trichlorophenol	196	8.759	8.748	0.011	96	37520	21.4	
124 2-Chloronaphthalene	162	8.962	8.951	0.011	99	107307	21.9	
125 2-Nitroaniline	65	9.096	9.085	0.011	94	37796	20.3	
128 Dimethyl phthalate	163	9.325	9.320	0.005	99	125867	21.7	
130 2,6-Dinitrotoluene	165	9.389	9.384	0.005	76	23799	20.7	
131 Acenaphthylene	152	9.448	9.438	0.010	98	176763	21.7	
132 3-Nitroaniline	138	9.587	9.582	0.005	94	28965	20.6	
133 Acenaphthene	153	9.656	9.646	0.010	98	107063	21.7	
134 2,4-Dinitrophenol	184	9.705	9.699	0.006	71	5852	18.0	
135 4-Nitrophenol	109	9.785	9.785	0.0	91	18209	18.4	
138 Dibenzofuran	168	9.859	9.849	0.010	96	155465	21.8	
137 2,4-Dinitrotoluene	165	9.859	9.854	0.005	60	31399	20.3	
142 Diethyl phthalate	149	10.148	10.143	0.005	99	128846	21.6	
144 Fluorene	166	10.244	10.239	0.005	96	127916	21.8	
145 4-Chlorophenyl phenyl ether	204	10.255	10.250	0.005	94	67088	22.0	
147 4-Nitroaniline	138	10.281	10.282	-0.001	89	28810	20.8	
148 4,6-Dinitro-2-methylphenol	198	10.308	10.308	0.0	85	10470	18.3	
149 N-Nitrosodiphenylamine	169	10.383	10.383	0.0	99	88661	21.4	
152 1,2-Diphenylhydrazine	77	10.426	10.421	0.005	97	160101	21.6	
159 4-Bromophenyl phenyl ether	248	10.773	10.773	0.0	93	35291	21.6	
160 Hexachlorobenzene	284	10.826	10.821	0.005	92	39807	22.7	
165 Pentachlorophenol	266	11.035	11.030	0.005	81	14439	18.5	
171 Phenanthrene	178	11.243	11.243	0.0	99	178286	21.8	
172 Anthracene	178	11.297	11.297	0.0	99	179856	21.8	
173 Carbazole	167	11.457	11.462	-0.005	99	171570	21.4	
176 Di-n-butyl phthalate	149	11.809	11.810	-0.001	100	211784	22.0	
182 Fluoranthene	202	12.370	12.365	0.005	98	215210	22.2	
183 Benzidine	184	12.499	12.493	0.006	99	122339	22.3	
185 Pyrene	202	12.573	12.563	0.010	98	224906	20.8	
191 3,3'-Dimethylbenzidine	212	13.134	13.124	0.010	99	114498	24.6	
192 Butyl benzyl phthalate	149	13.145	13.134	0.011	97	97550	20.5	
196 3,3'-Dichlorobenzidine	252	13.604	13.599	0.005	49	74016	19.8	
197 Benzo[a]anthracene	228	13.620	13.621	-0.001	59	214170	21.0	
198 Bis(2-ethylhexyl) phthalate	149	13.636	13.631	0.005	91	133540	21.1	
199 Chrysene	228	13.658	13.653	0.005	97	212572	20.7	
201 Di-n-octyl phthalate	149	14.176	14.171	0.005	100	237976	20.5	
203 Benzo[b]fluoranthene	252	14.534	14.529	0.005	99	205194	21.2	
204 Benzo[k]fluoranthene	252	14.555	14.555	0.0	96	228516	22.2	
206 Benzo[a]pyrene	252	14.828	14.828	0.0	99	186562	21.8	

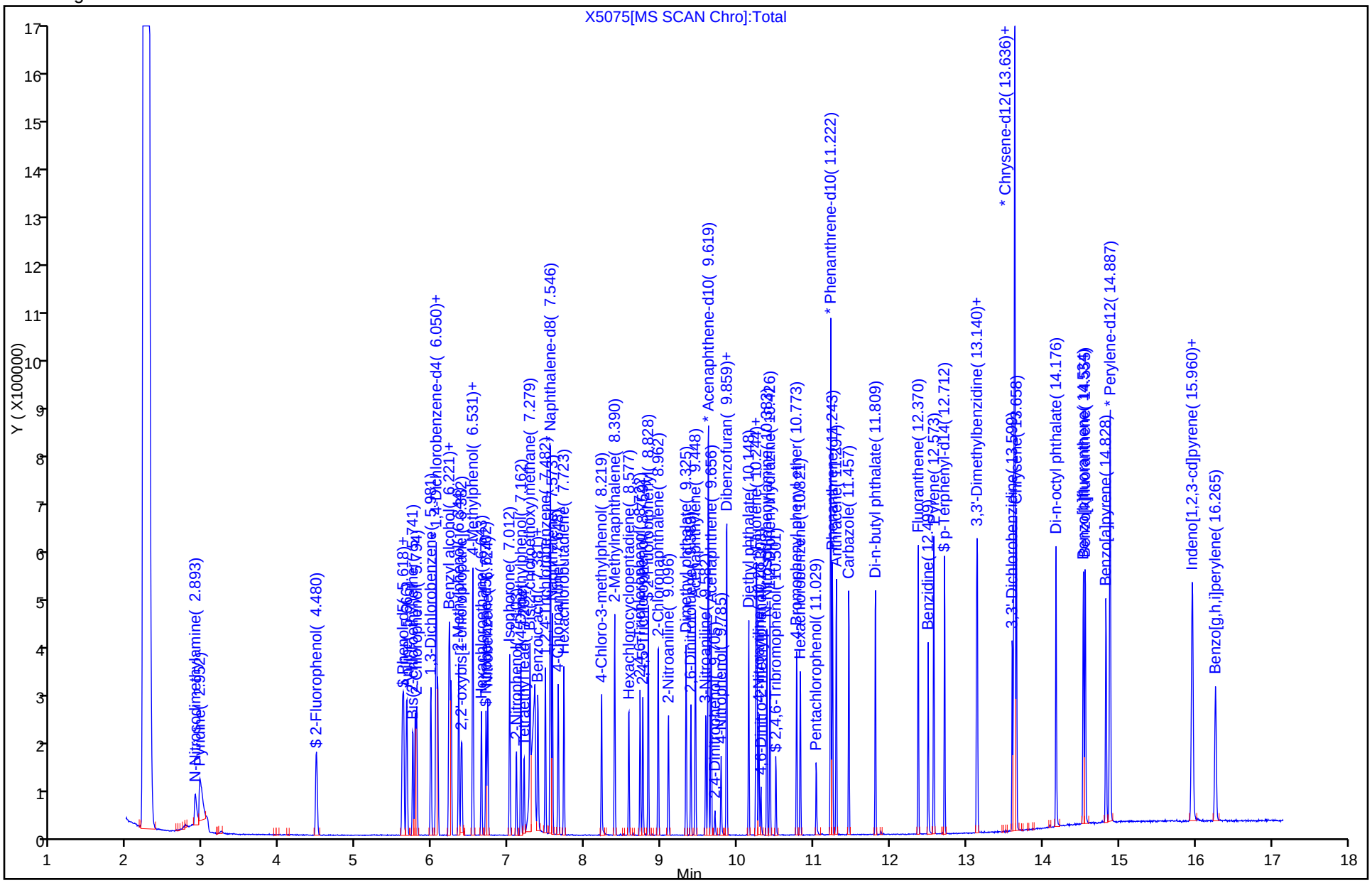
Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ng/uL	Flags
208 Indeno[1,2,3-cd]pyrene	276	15.955	15.955	0.0	98	201126	21.1	
209 Dibenz(a,h)anthracene	278	15.966	15.966	0.0	93	179769	21.2	
210 Benzo[g,h,i]perylene	276	16.265	16.270	-0.005	99	172842	21.5	
S 212 3 & 4 Methylphenol	108				0		21.5	
S 213 Total Cresols	1				0		42.9	
S 214 3-Methylphenol	1				0		21.5	

Report Date: 09-Apr-2012 16:33:49 Chrom Revision: 2.0 20-Feb-2012 13:27:02

Data File: \\Bufchrom\ChromData\HP5973X\20120409-10830.b\X5075.D

Injection Date:	09-Apr-2012 11:41:30	Limit Group:	MB - 8270C ICAL
Client ID:		Instrument ID:	HP5973X
Lims Batch ID:	58716	Lims Sample ID:	3
Operator ID:	RMM	Injection Vol:	1.00 ul
Column Type:	RXI-5Sil MS	Column Dia:	0.25 mm

Y Scaling:



TestAmerica Laboratories
Target Compound Quantitation Report

Data File:	\\Bufchrom\ChromData\HP5973X\20120409-10830.b\X5076.D		
Lims ID:	ICIS - 50 PT	Client ID:	
Inject. Date:	09-Apr-2012 12:05:30	Dil. Factor:	1.0000
Sample Type:	ICIS	Calib Level:	3
Sample ID:	480-0010830-004		
Misc. Info.:			
Operator:	RMM	Instrument ID:	HP5973X
Vol. Injected:	1.0000	ALS Bottle#:	4
Lims Batch ID:	58716	Lims Sample ID:	4
Sublist:	chrom-X-8270*sub28		
Detector:	MS SCAN		
Method:	\\Bufchrom\ChromData\HP5973X\20120409-10830.b\X-8270.m		
Last Update:	09-Apr-2012 16:33:46	Calib Date:	09-Apr-2012 15:39:30
Quant Method:	Internal Standard	Quant By:	Initial Calibration
Last ICal File:	\\Bufchrom\ChromData\HP5973X\20120409-10830.b\X5085.D		
Limit Group:	MB - 8270C ICAL		
Integrator:	RTE	ID Type:	Deconvolution ID
Process Host:	CORP-CTX-19		
First Level Reviewer: mckernar		Date:	09-Apr-2012 16:33:46

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ng/uL	Flags
* 1 1,4-Dichlorobenzene-d4	152	6.051	6.051	0.0	97	92216	40.0	
* 2 Naphthalene-d8	136	7.546	7.546	0.0	93	328172	40.0	
* 3 Acenaphthene-d10	164	9.609	9.609	0.0	17	189481	40.0	
* 4 Phenanthrene-d10	188	11.222	11.222	0.0	100	341513	40.0	
* 5 Chrysene-d12	240	13.631	13.631	0.0	95	324096	40.0	
* 6 Perylene-d12	264	14.881	14.881	0.0	99	361447	40.0	
$ 7 2-Fluorophenol	112	4.491	4.491	0.0	96	192312	52.7	
$ 8 Phenol-d5	99	5.613	5.613	0.0	95	229300	52.9	
$ 9 Nitrobenzene-d5	82	6.702	6.702	0.0	96	199970	53.7	
$ 10 2-Fluorobiphenyl	172	8.823	8.823	0.0	99	314376	51.3	
$ 11 2,4,6-Tribromophenol	330	10.501	10.501	0.0	83	38406	53.4	
$ 12 p-Terphenyl-d14	244	12.707	12.707	0.0	99	355607	51.9	
55 N-Nitrosodimethylamine	42	2.904	2.904	0.0	78	110606	52.3	
56 Pyridine	52	2.968	2.968	0.0	86	178937	54.6	
63 Phenol	94	5.629	5.629	0.0	84	232839	52.8	
64 Aniline	93	5.666	5.666	0.0	98	299913	49.7	
66 Bis(2-chloroethyl)ether	93	5.746	5.746	0.0	84	200118	52.5	
67 2-Chlorophenol	128	5.800	5.800	0.0	97	167817	53.5	
69 1,3-Dichlorobenzene	146	5.981	5.981	0.0	98	171111	52.4	
70 1,4-Dichlorobenzene	146	6.072	6.072	0.0	90	171574	52.3	
71 Benzyl alcohol	108	6.216	6.216	0.0	95	112140	53.8	
72 1,2-Dichlorobenzene	146	6.248	6.248	0.0	85	159783	52.3	
73 2-Methylphenol	108	6.344	6.344	0.0	97	153744	52.5	
74 2,2'-oxybis[1-chloropropane]	45	6.382	6.382	0.0	91	255336	52.7	
79 4-Methylphenol	108	6.531	6.531	0.0	98	154653	52.6	
78 N-Nitrosodi-n-propylamine	70	6.537	6.537	0.0	92	137226	52.3	
81 Hexachloroethane	117	6.644	6.644	0.0	92	74706	53.0	
83 Nitrobenzene	77	6.724	6.724	0.0	92	210076	53.1	
86 Isophorone	82	7.012	7.012	0.0	97	356543	53.4	
87 2-Nitrophenol	139	7.103	7.103	0.0	94	73077	53.5	

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ng/uL	Flags
89 2,4-Dimethylphenol	107	7.156	7.156	0.0	98	169803	52.6	
90 Tetraethyl lead	237	7.199	7.199	0.0	54	61852	45.8	
94 Bis(2-chloroethoxy)methane	93	7.279	7.279	0.0	96	214076	52.7	
95 Benzoic acid	105	7.354	7.354	0.0	63	386999	152.8	
97 2,4-Dichlorophenol	162	7.381	7.381	0.0	93	123817	53.0	
98 1,2,4-Trichlorobenzene	180	7.477	7.477	0.0	96	135906	52.3	
99 Naphthalene	128	7.568	7.568	0.0	99	420585	52.3	
101 4-Chloroaniline	127	7.643	7.643	0.0	98	182315	53.0	
104 Hexachlorobutadiene	225	7.717	7.717	0.0	98	91774	52.7	
110 4-Chloro-3-methylphenol	107	8.209	8.209	0.0	98	145719	52.5	
113 2-Methylnaphthalene	142	8.380	8.380	0.0	96	260942	52.6	
116 Hexachlorocyclopentadiene	237	8.567	8.567	0.0	90	95605	52.1	
118 2,4,6-Trichlorophenol	196	8.716	8.716	0.0	97	87978	52.3	
119 2,4,5-Trichlorophenol	196	8.748	8.748	0.0	99	94186	52.7	
124 2-Chloronaphthalene	162	8.951	8.951	0.0	99	259012	51.8	
125 2-Nitroaniline	65	9.085	9.085	0.0	93	102127	53.9	
128 Dimethyl phthalate	163	9.320	9.320	0.0	99	306938	52.0	
130 2,6-Dinitrotoluene	165	9.384	9.384	0.0	78	62829	53.6	
131 Acenaphthylene	152	9.438	9.438	0.0	98	429033	51.8	
132 3-Nitroaniline	138	9.582	9.582	0.0	95	75803	53.0	
133 Acenaphthene	153	9.646	9.646	0.0	99	256885	51.2	
134 2,4-Dinitrophenol	184	9.699	9.699	0.0	92	24228	46.0	
135 4-Nitrophenol	109	9.785	9.785	0.0	91	54794	54.4	
138 Dibenzofuran	168	9.849	9.849	0.0	96	371501	51.2	
137 2,4-Dinitrotoluene	165	9.854	9.854	0.0	65	84068	53.4	
142 Diethyl phthalate	149	10.143	10.143	0.0	98	318929	52.4	
144 Fluorene	166	10.239	10.239	0.0	96	309580	51.8	
145 4-Chlorophenyl phenyl ether	204	10.250	10.250	0.0	94	158537	51.0	
147 4-Nitroaniline	138	10.282	10.282	0.0	87	75637	53.6	
148 4,6-Dinitro-2-methylphenol	198	10.308	10.308	0.0	90	38248	48.6	
149 N-Nitrosodiphenylamine	169	10.383	10.383	0.0	97	220560	52.2	
152 1,2-Diphenylhydrazine	77	10.421	10.421	0.0	96	396016	52.4	
159 4-Bromophenyl phenyl ether	248	10.773	10.773	0.0	95	87139	52.2	
160 Hexachlorobenzene	284	10.821	10.821	0.0	97	92618	51.8	
165 Pentachlorophenol	266	11.030	11.030	0.0	97	50730	52.2	
171 Phenanthrene	178	11.243	11.243	0.0	100	420943	50.6	
172 Anthracene	178	11.297	11.297	0.0	99	436653	52.0	
173 Carbazole	167	11.462	11.462	0.0	99	428018	52.4	
176 Di-n-butyl phthalate	149	11.810	11.810	0.0	100	531505	54.1	
182 Fluoranthene	202	12.365	12.365	0.0	98	511609	51.9	
183 Benzidine	184	12.493	12.493	0.0	100	227025	43.6	
185 Pyrene	202	12.563	12.563	0.0	98	525803	51.3	
191 3,3'-Dimethylbenzidine	212	13.124	13.124	0.0	99	215081	45.4	
192 Butyl benzyl phthalate	149	13.134	13.134	0.0	96	244109	54.1	
196 3,3'-Dichlorobenzidine	252	13.599	13.599	0.0	56	189360	53.5	
197 Benzo[a]anthracene	228	13.621	13.621	0.0	58	507401	52.5	
198 Bis(2-ethylhexyl) phthalate	149	13.631	13.631	0.0	94	327956	54.7	
199 Chrysene	228	13.653	13.653	0.0	96	495589	51.0	
201 Di-n-octyl phthalate	149	14.171	14.171	0.0	99	608461	53.6	
203 Benzo[b]fluoranthene	252	14.529	14.529	0.0	99	524964	54.4	
204 Benzo[k]fluoranthene	252	14.555	14.555	0.0	96	523461	51.1	
206 Benzo[a]pyrene	252	14.828	14.828	0.0	99	447457	52.4	

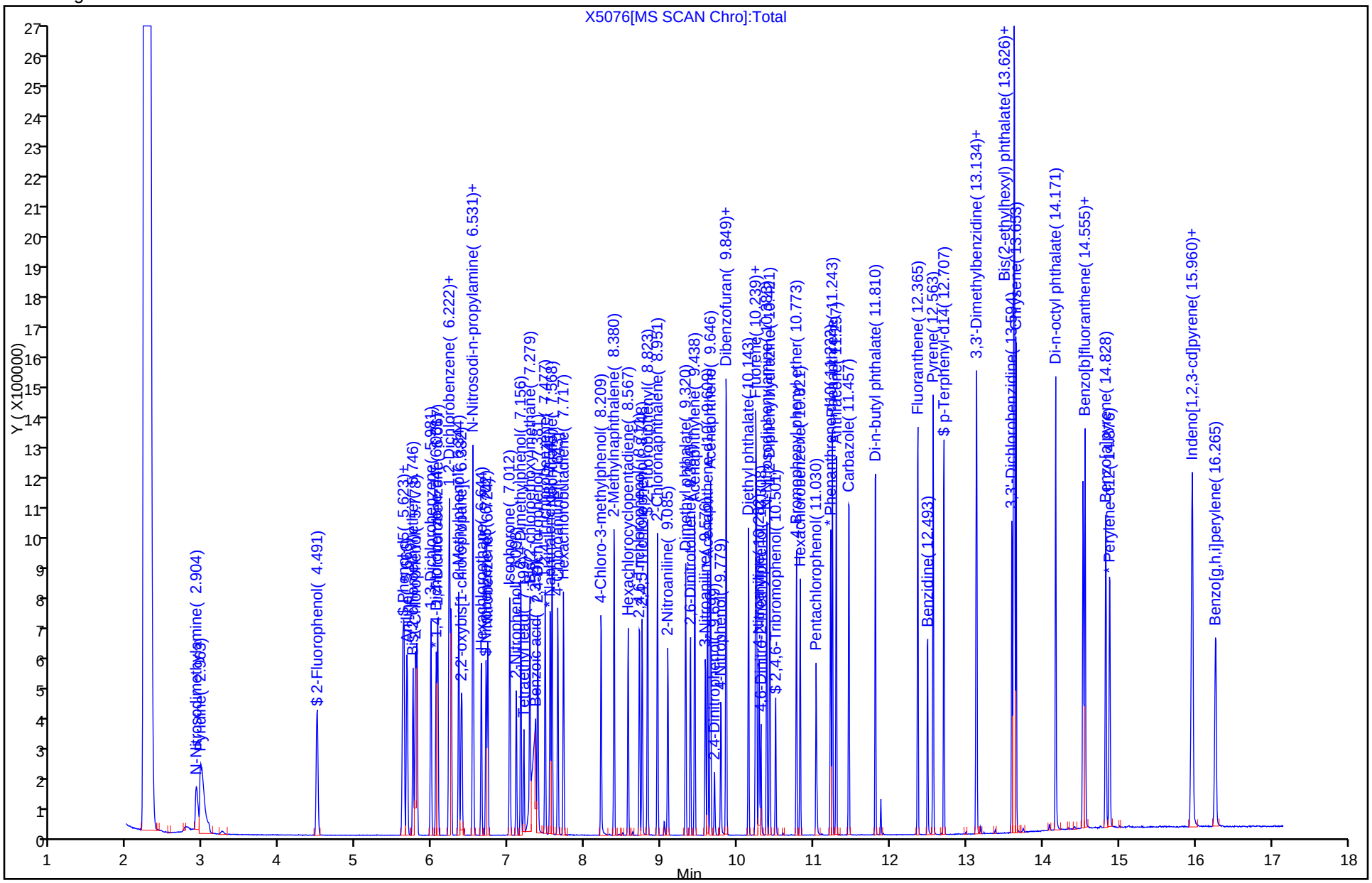
Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ng/uL	Flags
208 Indeno[1,2,3-cd]pyrene	276	15.955	15.955	0.0	94	494265	52.0	
209 Dibenz(a,h)anthracene	278	15.966	15.966	0.0	96	439012	52.0	
210 Benzo[g,h,i]perylene	276	16.270	16.270	0.0	100	411407	51.3	
S 212 3 & 4 Methylphenol	108				0		52.6	
S 213 Total Cresols	1				0		105.0	
S 214 3-Methylphenol	1				0		52.6	

Report Date: 09-Apr-2012 16:33:46 Chrom Revision: 2.0 20-Feb-2012 13:27:02

Data File: \\Bufchrom\ChromData\HP5973X\20120409-10830.b\X5076.D

Injection Date:	09-Apr-2012 12:05:30	Limit Group:	MB - 8270C ICAL
Client ID:		Instrument ID:	HP5973X
Lims Batch ID:	58716	Lims Sample ID:	4
Operator ID:	RMM	Injection Vol:	1.00 ul
Column Type:	RXI-5Sil MS	Column Dia:	0.25 mm

Y Scaling:



TestAmerica Laboratories
Target Compound Quantitation Report

Data File:	\\Bufchrom\ChromData\HP5973X\20120409-10830.b\X5077.D		
Lims ID:	IC - 80 PT	Client ID:	
Inject. Date:	09-Apr-2012 12:29:30	Dil. Factor:	1.0000
Sample Type:	IC	Calib Level:	4
Sample ID:	480-0010830-005		
Misc. Info.:			
Operator:	RMM	Instrument ID:	HP5973X
Vol. Injected:	1.0000	ALS Bottle#:	5
Lims Batch ID:	58716	Lims Sample ID:	5
Sublist:	chrom-X-8270*sub28		
Detector:	MS SCAN		
Method:	\\Bufchrom\ChromData\HP5973X\20120409-10830.b\X-8270.m		
Last Update:	09-Apr-2012 16:33:43	Calib Date:	09-Apr-2012 15:39:30
Quant Method:	Internal Standard	Quant By:	Initial Calibration
Last ICal File:	\\Bufchrom\ChromData\HP5973X\20120409-10830.b\X5085.D		
Limit Group:	MB - 8270C ICAL		
Integrator:	RTE	ID Type:	Deconvolution ID
Process Host:	CORP-CTX-19		
First Level Reviewer: mckernar		Date:	09-Apr-2012 16:33:43

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ng/uL	Flags
* 1 1,4-Dichlorobenzene-d4	152	6.034	6.029	0.005	98	105863	40.0	
* 2 Naphthalene-d8	136	7.541	7.525	0.016	88	384017	40.0	
* 3 Acenaphthene-d10	164	9.608	9.598	0.010	18	211273	40.0	
* 4 Phenanthrene-d10	188	11.222	11.206	0.016	100	382289	40.0	
* 5 Chrysene-d12	240	13.631	13.615	0.016	76	349638	40.0	
* 6 Perylene-d12	264	14.881	14.860	0.021	99	403521	40.0	
$ 7 2-Fluorophenol	112	4.469	4.491	-0.022	96	338956	80.9	
$ 8 Phenol-d5	99	5.602	5.613	-0.011	94	399238	80.3	
$ 9 Nitrobenzene-d5	82	6.697	6.702	-0.005	95	355881	81.7	
$ 10 2-Fluorobiphenyl	172	8.823	8.823	0.0	99	535449	78.4	
$ 11 2,4,6-Tribromophenol	330	10.506	10.501	0.005	75	68041	84.0	
$ 12 p-Terphenyl-d14	244	12.712	12.707	0.005	99	606801	82.1	
55 N-Nitrosodimethylamine	42	2.883	2.904	-0.021	79	197256	81.3	
56 Pyridine	52	2.957	2.968	-0.011	86	319767	84.9	M
63 Phenol	94	5.618	5.629	-0.011	84	398431	78.7	
64 Aniline	93	5.655	5.666	-0.011	97	555196	80.1	
66 Bis(2-chloroethyl)ether	93	5.735	5.746	-0.011	91	347002	79.3	
67 2-Chlorophenol	128	5.783	5.800	-0.017	96	285961	79.4	
69 1,3-Dichlorobenzene	146	5.965	5.981	-0.016	98	292742	78.1	
70 1,4-Dichlorobenzene	146	6.056	6.072	-0.016	92	291461	77.4	
71 Benzyl alcohol	108	6.205	6.216	-0.011	97	196004	81.9	
72 1,2-Dichlorobenzene	146	6.232	6.248	-0.016	86	271886	77.4	
73 2-Methylphenol	108	6.334	6.344	-0.010	97	268069	79.7	
74 2,2'-oxybis[1-chloropropane]	45	6.371	6.382	-0.011	92	442806	79.6	
79 4-Methylphenol	108	6.526	6.531	-0.005	97	266476	78.9	
78 N-Nitrosodi-n-propylamine	70	6.531	6.537	-0.006	92	240994	80.0	
81 Hexachloroethane	117	6.627	6.644	-0.017	92	127695	78.9	
83 Nitrobenzene	77	6.718	6.724	-0.006	93	366234	79.1	
86 Isophorone	82	7.012	7.012	0.0	97	618286	79.2	
87 2-Nitrophenol	139	7.092	7.103	-0.011	95	135090	84.0	

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ng/uL	Flags
89 2,4-Dimethylphenol	107	7.156	7.156	0.0	97	305704	81.0	
90 Tetraethyl lead	237	7.194	7.199	-0.005	55	120340	82.9	
94 Bis(2-chloroethoxy)methane	93	7.274	7.279	-0.005	96	373070	78.4	
95 Benzoic acid	105	7.391	7.354	0.037	78	740255	249.7	
97 2,4-Dichlorophenol	162	7.375	7.381	-0.006	96	210215	76.9	
98 1,2,4-Trichlorobenzene	180	7.472	7.477	-0.005	95	234732	77.2	
99 Naphthalene	128	7.568	7.568	0.0	99	723540	76.9	
101 4-Chloroaniline	127	7.643	7.643	-0.001	98	317901	79.0	
104 Hexachlorobutadiene	225	7.717	7.717	0.0	98	156057	76.6	
110 4-Chloro-3-methylphenol	107	8.214	8.209	0.005	97	252488	80.1	
113 2-Methylnaphthalene	142	8.385	8.380	0.005	96	457521	78.8	
116 Hexachlorocyclopentadiene	237	8.567	8.567	0.0	93	171806	84.0	
118 2,4,6-Trichlorophenol	196	8.716	8.716	0.0	99	159807	85.1	
119 2,4,5-Trichlorophenol	196	8.754	8.748	0.006	99	167740	84.2	
124 2-Chloronaphthalene	162	8.957	8.951	0.006	99	445620	80.0	
125 2-Nitroaniline	65	9.090	9.085	0.005	94	179438	84.9	
128 Dimethyl phthalate	163	9.325	9.320	0.005	99	528425	80.3	
130 2,6-Dinitrotoluene	165	9.389	9.384	0.005	75	112502	86.1	
131 Acenaphthylene	152	9.443	9.438	0.005	98	731982	79.2	
132 3-Nitroaniline	138	9.587	9.582	0.005	94	133733	83.8	
133 Acenaphthene	153	9.651	9.646	0.005	99	437017	78.1	
134 2,4-Dinitrophenol	184	9.705	9.699	0.006	96	50628	78.5	
135 4-Nitrophenol	109	9.790	9.785	0.005	90	98944	88.1	
138 Dibenzofuran	168	9.854	9.849	0.005	97	634669	78.4	
137 2,4-Dinitrotoluene	165	9.860	9.854	0.006	85	147321	84.0	
142 Diethyl phthalate	149	10.148	10.143	0.005	99	540782	79.7	
144 Fluorene	166	10.244	10.239	0.005	97	523740	78.6	
145 4-Chlorophenyl phenyl ether	204	10.255	10.250	0.005	95	268998	77.6	
147 4-Nitroaniline	138	10.298	10.282	0.016	87	135929	86.3	
148 4,6-Dinitro-2-methylphenol	198	10.319	10.308	0.011	95	75646	80.7	
149 N-Nitrosodiphenylamine	169	10.388	10.383	0.005	99	377250	79.7	
152 1,2-Diphenylhydrazine	77	10.426	10.421	0.005	97	670384	79.5	
159 4-Bromophenyl phenyl ether	248	10.778	10.773	0.005	96	148779	79.6	
160 Hexachlorobenzene	284	10.826	10.821	0.005	98	155376	77.6	
165 Pentachlorophenol	266	11.035	11.030	0.005	97	92336	81.9	
171 Phenanthrene	178	11.249	11.243	0.006	99	727741	78.1	
172 Anthracene	178	11.302	11.297	0.005	99	743798	79.2	
173 Carbazole	167	11.462	11.462	0.0	99	715060	78.3	
176 Di-n-butyl phthalate	149	11.809	11.810	-0.001	100	884250	80.4	
182 Fluoranthene	202	12.370	12.365	0.005	98	878356	79.5	
183 Benzidine	184	12.499	12.493	0.006	100	492588	87.7	
185 Pyrene	202	12.573	12.563	0.010	98	893352	80.7	
191 3,3'-Dimethylbenzidine	212	13.134	13.124	0.010	99	446312	84.1	
192 Butyl benzyl phthalate	149	13.140	13.134	0.006	97	409420	84.2	
196 3,3'-Dichlorobenzidine	252	13.599	13.599	0.0	54	319270	83.6	
197 Benzo[a]anthracene	228	13.620	13.621	-0.001	59	845074	81.0	
198 Bis(2-ethylhexyl) phthalate	149	13.631	13.631	0.0	92	536783	83.0	
199 Chrysene	228	13.658	13.653	0.005	98	839398	80.1	
201 Di-n-octyl phthalate	149	14.171	14.171	0.0	99	1008851	81.9	
203 Benzo[b]fluoranthene	252	14.534	14.529	0.005	100	821505	76.2	
204 Benzo[k]fluoranthene	252	14.561	14.555	0.006	98	900650	78.8	
206 Benzo[a]pyrene	252	14.833	14.828	0.005	100	765539	80.3	

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ng/uL	Flags
208 Indeno[1,2,3-cd]pyrene	276	15.960	15.955	0.005	91	835887	78.7	
209 Dibenz(a,h)anthracene	278	15.971	15.966	0.005	97	753109	79.9	
210 Benzo[g,h,i]perylene	276	16.276	16.270	0.006	100	694985	77.6	
S 212 3 & 4 Methylphenol	108				0		78.9	
S 213 Total Cresols	1				0		158.6	
S 214 3-Methylphenol	1				0		78.9	

QC Flag Legend

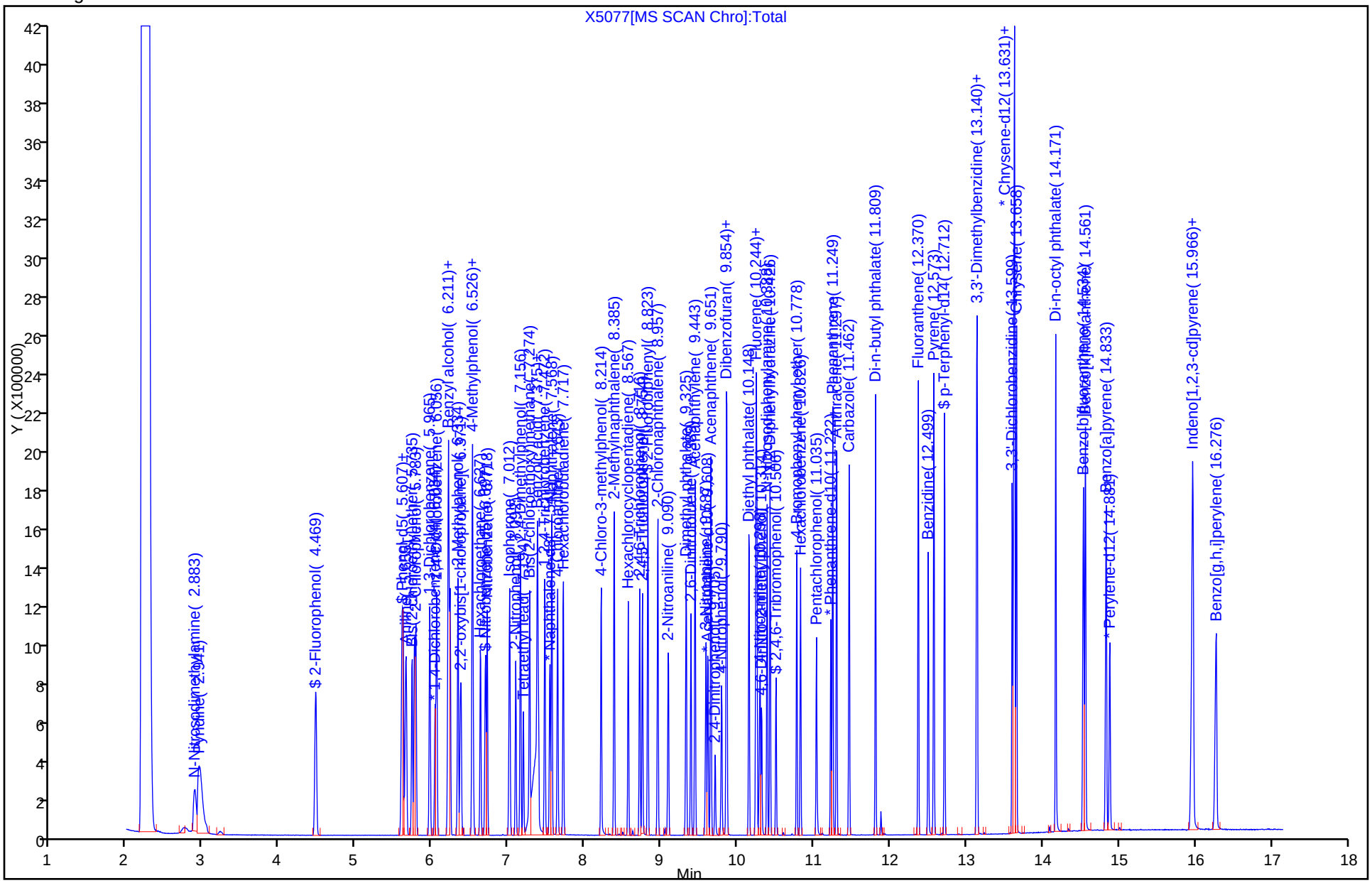
Review Flags
M - Manually Integrated

Report Date: 09-Apr-2012 16:33:43 Chrom Revision: 2.0 20-Feb-2012 13:27:02

Data File: \\Bufchrom\ChromData\HP5973X\20120409-10830.b\X5077.D

Injection Date:	09-Apr-2012 12:29:30	Limit Group:	MB - 8270C ICAL
Client ID:		Instrument ID:	HP5973X
Lims Batch ID:	58716	Lims Sample ID:	5
Operator ID:	RMM	Injection Vol:	1.00 ul
Column Type:	RXI-5Sil MS	Column Dia:	0.25 mm

Y Scaling:



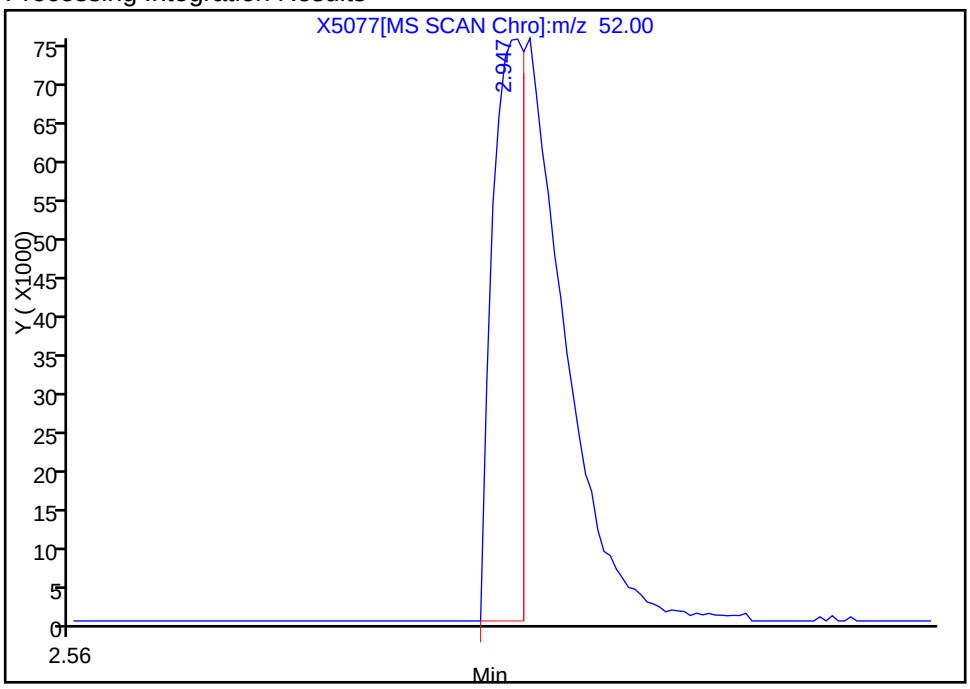
Manual Integration/User Assign Peak Report

Data File:	\\Bufchrom\ChromData\HP5973X\20120409-10830.b\X5077.D		
Injection Date:	09-Apr-2012 12:29:30	Limit Group:	MB - 8270C ICAL
Client ID:		Instrument ID:	HP5973X
Lims Batch ID:	58716	Lims Sample ID:	5
Operator ID:	RMM	Injection Vol:	1.00 ul
Column Type:	RXI-5Sil MS	Column Dia:	0.25 mm

56 Pyridine, Signal: 1, m/z: 52.0 Type: quant, RT: 2.97

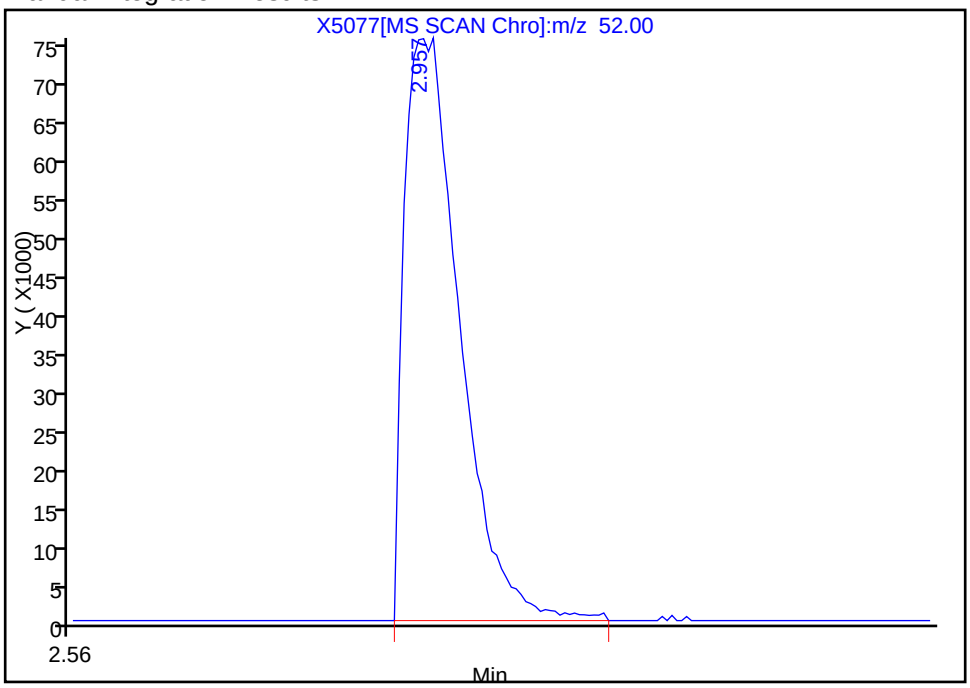
Processing Integration Results

RT: 2.95
Response: 143998
Amount: 44.236607



Manual Integration Results

RT: 2.96
Response: 319767
Amount: 84.922936



Reviewer: mckernar, 09-Apr-2012 12:52:06
Audit Action: Manually Integrated
Audit Reason: Split Peak

TestAmerica Laboratories
Target Compound Quantitation Report

Data File:	\\Bufchrom\ChromData\HP5973X\20120409-10830.b\X5078.D		
Lims ID:	IC - 120 PT	Client ID:	
Inject. Date:	09-Apr-2012 12:53:30	Dil. Factor:	1.0000
Sample Type:	IC	Calib Level:	5
Sample ID:	480-0010830-006		
Misc. Info.:			
Operator:	RMM	Instrument ID:	HP5973X
Vol. Injected:	1.0000	ALS Bottle#:	6
Lims Batch ID:	58716	Lims Sample ID:	6
Sublist:	chrom-X-8270*sub28		
Detector:	MS SCAN		
Method:	\\Bufchrom\ChromData\HP5973X\20120409-10830.b\X-8270.m		
Last Update:	09-Apr-2012 16:33:38	Calib Date:	09-Apr-2012 15:39:30
Quant Method:	Internal Standard	Quant By:	Initial Calibration
Last ICal File:	\\Bufchrom\ChromData\HP5973X\20120409-10830.b\X5085.D		
Limit Group:	MB - 8270C ICAL		
Integrator:	RTE	ID Type:	Deconvolution ID
Process Host:	CORP-CTX-19		
First Level Reviewer: mckernar		Date:	09-Apr-2012 16:33:38

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ng/uL	Flags
* 1 1,4-Dichlorobenzene-d4	152	6.045	6.029	0.016	96	104902	40.0	
* 2 Naphthalene-d8	136	7.546	7.525	0.021	95	381853	40.0	
* 3 Acenaphthene-d10	164	9.608	9.598	0.010	12	211456	40.0	
* 4 Phenanthrene-d10	188	11.222	11.206	0.016	99	378202	40.0	
* 5 Chrysene-d12	240	13.631	13.615	0.016	99	332439	40.0	
* 6 Perylene-d12	264	14.876	14.860	0.016	99	398513	40.0	
$ 7 2-Fluorophenol	112	4.475	4.491	-0.016	97	475409	114.5	
$ 8 Phenol-d5	99	5.612	5.613	-0.001	95	556072	112.9	
$ 9 Nitrobenzene-d5	82	6.708	6.702	0.006	95	496241	114.6	
$ 10 2-Fluorobiphenyl	172	8.829	8.823	0.005	100	731248	107.0	
$ 11 2,4,6-Tribromophenol	330	10.506	10.501	0.005	79	94751	117.8	
$ 12 p-Terphenyl-d14	244	12.712	12.707	0.005	99	823779	117.2	
55 N-Nitrosodimethylamine	42	2.883	2.904	-0.021	77	273494	113.7	
56 Pyridine	52	2.941	2.968	-0.027	86	434969	116.6	
63 Phenol	94	5.629	5.629	-0.001	84	570403	113.8	
64 Aniline	93	5.666	5.666	0.0	95	789015	114.9	
66 Bis(2-chloroethyl)ether	93	5.746	5.746	0.0	91	481794	111.2	
67 2-Chlorophenol	128	5.794	5.800	-0.006	96	390422	109.5	
69 1,3-Dichlorobenzene	146	5.976	5.981	-0.005	98	404386	108.9	
70 1,4-Dichlorobenzene	146	6.067	6.072	-0.005	97	402883	108.0	
71 Benzyl alcohol	108	6.222	6.216	0.006	97	268190	113.1	
72 1,2-Dichlorobenzene	146	6.243	6.248	-0.005	89	373482	107.4	
73 2-Methylphenol	108	6.350	6.344	0.006	98	373786	112.1	
74 2,2'-oxybis[1-chloropropane]	45	6.382	6.382	0.0	92	615821	111.7	
79 4-Methylphenol	108	6.537	6.531	0.006	98	370443	110.7	
78 N-Nitrosodi-n-propylamine	70	6.547	6.537	0.010	93	339796	113.9	
81 Hexachloroethane	117	6.638	6.644	-0.006	92	175095	109.2	
83 Nitrobenzene	77	6.729	6.724	0.005	93	509902	110.8	
86 Isophorone	82	7.028	7.012	0.016	97	873763	112.5	
87 2-Nitrophenol	139	7.103	7.103	0.0	95	190135	118.6	

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ng/uL	Flags
89 2,4-Dimethylphenol	107	7.167	7.156	0.011	98	422269	112.5	
90 Tetraethyl lead	237	7.199	7.199	0.0	55	158626	120.8	
94 Bis(2-chloroethoxy)methane	93	7.285	7.279	0.006	97	517686	109.4	
95 Benzoic acid	105	7.429	7.354	0.075	62	1109022	376.3	
97 2,4-Dichlorophenol	162	7.386	7.381	0.005	96	292775	107.7	
98 1,2,4-Trichlorobenzene	180	7.482	7.477	0.005	95	323408	106.9	
99 Naphthalene	128	7.573	7.568	0.005	99	1003848	107.3	
101 4-Chloroaniline	127	7.653	7.643	0.010	98	441746	110.3	
104 Hexachlorobutadiene	225	7.723	7.717	0.006	98	216142	106.7	
110 4-Chloro-3-methylphenol	107	8.219	8.209	0.010	97	351609	117.0	
113 2-Methylnaphthalene	142	8.390	8.380	0.010	98	625644	108.3	
116 Hexachlorocyclopentadiene	237	8.572	8.567	0.005	94	238733	116.6	
118 2,4,6-Trichlorophenol	196	8.722	8.716	0.006	98	219538	116.8	
119 2,4,5-Trichlorophenol	196	8.759	8.748	0.011	99	230626	115.7	
124 2-Chloronaphthalene	162	8.957	8.951	0.006	99	601372	107.8	
125 2-Nitroaniline	65	9.096	9.085	0.011	93	252742	119.4	
128 Dimethyl phthalate	163	9.331	9.320	0.011	99	722012	109.6	
130 2,6-Dinitrotoluene	165	9.395	9.384	0.011	79	161308	123.3	
131 Acenaphthylene	152	9.443	9.438	0.005	98	1015460	109.8	
132 3-Nitroaniline	138	9.592	9.582	0.010	95	190908	119.6	
133 Acenaphthene	153	9.651	9.646	0.005	98	611067	109.1	
134 2,4-Dinitrophenol	184	9.710	9.699	0.011	97	80431	119.4	
135 4-Nitrophenol	109	9.795	9.785	0.010	91	140139	124.6	
138 Dibenzofuran	168	9.854	9.849	0.005	98	866210	106.9	
137 2,4-Dinitrotoluene	165	9.865	9.854	0.011	84	211071	120.2	
142 Diethyl phthalate	149	10.153	10.143	0.010	99	748332	110.2	
144 Fluorene	166	10.244	10.239	0.005	96	725107	108.8	
145 4-Chlorophenyl phenyl ether	204	10.255	10.250	0.005	96	373620	107.7	
147 4-Nitroaniline	138	10.303	10.282	0.021	87	193848	123.0	
148 4,6-Dinitro-2-methylphenol	198	10.319	10.308	0.011	91	114361	119.9	
149 N-Nitrosodiphenylamine	169	10.388	10.383	0.005	99	527291	112.6	
152 1,2-Diphenylhydrazine	77	10.426	10.421	0.005	97	929484	110.1	
159 4-Bromophenyl phenyl ether	248	10.778	10.773	0.005	95	205170	111.0	
160 Hexachlorobenzene	284	10.827	10.821	0.005	96	222445	112.3	
165 Pentachlorophenol	266	11.035	11.030	0.005	97	136098	119.7	
171 Phenanthrene	178	11.249	11.243	0.006	99	1009465	109.5	
172 Anthracene	178	11.297	11.297	0.0	99	1019913	109.7	
173 Carbazole	167	11.462	11.462	0.0	99	1001600	110.8	
176 Di-n-butyl phthalate	149	11.809	11.810	-0.001	100	1225592	112.6	
182 Fluoranthene	202	12.370	12.365	0.005	98	1199281	109.8	
183 Benzidine	184	12.499	12.493	0.006	100	660577	123.7	
185 Pyrene	202	12.573	12.563	0.010	98	1231250	117.0	
191 3,3'-Dimethylbenzidine	212	13.134	13.124	0.010	98	587559	112.0	
192 Butyl benzyl phthalate	149	13.140	13.134	0.006	96	551908	119.3	
196 3,3'-Dichlorobenzidine	252	13.599	13.599	0.0	61	451153	124.2	
197 Benzo[a]anthracene	228	13.621	13.621	-0.001	64	1143497	115.3	
198 Bis(2-ethylhexyl) phthalate	149	13.631	13.631	0.0	94	727573	118.3	
199 Chrysene	228	13.658	13.653	0.005	97	1149053	115.3	
201 Di-n-octyl phthalate	149	14.171	14.171	0.0	100	1402161	119.3	
203 Benzo[b]fluoranthene	252	14.534	14.529	0.005	99	1168155	109.8	
204 Benzo[k]fluoranthene	252	14.561	14.555	0.006	98	1234872	109.4	
206 Benzo[a]pyrene	252	14.833	14.828	0.005	100	1047700	111.3	

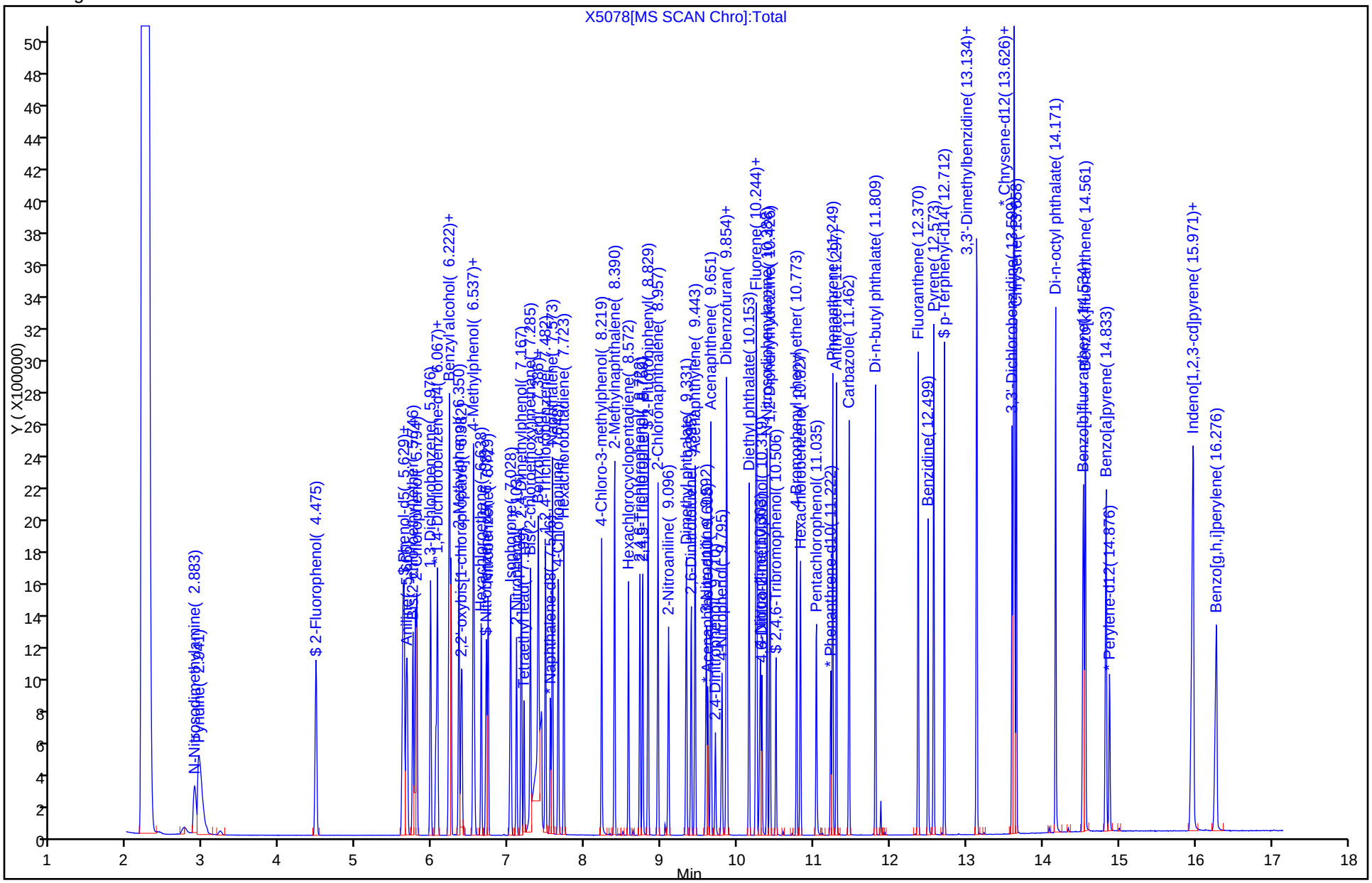
Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ng/uL	Flags
208 Indeno[1,2,3-cd]pyrene	276	15.960	15.955	0.005	91	1181806	112.7	
209 Dibenz(a,h)anthracene	278	15.976	15.966	0.010	97	1036468	111.4	
210 Benzo[g,h,i]perylene	276	16.276	16.270	0.006	100	976937	110.4	
S 212 3 & 4 Methylphenol	108				0		110.7	
S 213 Total Cresols	1				0		222.8	
S 214 3-Methylphenol	1				0		110.7	

Report Date: 09-Apr-2012 16:33:38 Chrom Revision: 2.0 20-Feb-2012 13:27:02

Data File: \\Bufchrom\ChromData\HP5973X\20120409-10830.b\X5078.D

Injection Date:	09-Apr-2012 12:53:30	Limit Group:	MB - 8270C ICAL
Client ID:		Instrument ID:	HP5973X
Lims Batch ID:	58716	Lims Sample ID:	6
Operator ID:	RMM	Injection Vol:	1.00 ul
Column Type:	RXI-5Sil MS	Column Dia:	0.25 mm

Y Scaling:



TestAmerica Laboratories
Target Compound Quantitation Report

Data File: \\Bufchrom\ChromData\HP5973X\20120409-10830.b\X5079.D
Lims ID: IC - 160 PT
Client ID:
Inject. Date: 09-Apr-2012 13:17:30
Dil. Factor: 1.0000
Sample Type: IC
Calib Level: 6
Sample ID: 480-0010830-007
Misc. Info.:
Operator: RMM
Instrument ID: HP5973X
Vol. Injected: 1.0000
ALS Bottle#: 7
Lims Batch ID: 58716
Lims Sample ID: 7
Sublist: chrom-X-8270*sub28
Detector: MS SCAN

Method: \\Bufchrom\ChromData\HP5973X\20120409-10830.b\X-8270.m
Last Update: 09-Apr-2012 16:33:21
Calib Date: 09-Apr-2012 15:39:30
Quant Method: Internal Standard
Quant By: Initial Calibration
Last ICal File: \\Bufchrom\ChromData\HP5973X\20120409-10830.b\X5085.D
Limit Group: MB - 8270C ICAL
Integrator: RTE
ID Type: Deconvolution ID
Process Host: CORP-CTX-19

First Level Reviewer: mckernar
Date: 09-Apr-2012 16:33:21

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ng/uL	Flags
* 1 1,4-Dichlorobenzene-d4	152	6.051	6.029	0.022	96	107744	40.0	
* 2 Naphthalene-d8	136	7.546	7.525	0.021	83	397298	40.0	
* 3 Acenaphthene-d10	164	9.614	9.598	0.016	36	216530	40.0	
* 4 Phenanthrene-d10	188	11.227	11.206	0.021	99	395587	40.0	
* 5 Chrysene-d12	240	13.642	13.615	0.027	99	337730	40.0	
* 6 Perylene-d12	264	14.887	14.860	0.027	99	415275	40.0	
$ 7 2-Fluorophenol	112	4.496	4.491	0.005	97	638358	149.7	
$ 8 Phenol-d5	99	5.623	5.613	0.010	94	749537	148.1	
$ 9 Nitrobenzene-d5	82	6.708	6.702	0.006	96	667827	148.3	
$ 10 2-Fluorobiphenyl	172	8.829	8.823	0.006	100	980274	140.0	
$ 11 2,4,6-Tribromophenol	330	10.511	10.501	0.010	72	130923	155.3	
$ 12 p-Terphenyl-d14	244	12.723	12.707	0.016	99	1096197	153.5	
55 N-Nitrosodimethylamine	42	2.904	2.904	0.0	76	369945	149.8	
56 Pyridine	52	2.957	2.968	-0.011	85	605206	157.9	
63 Phenol	94	5.645	5.629	0.016	85	759988	147.6	
64 Aniline	93	5.677	5.666	0.011	95	1058720	150.1	
66 Bis(2-chloroethyl)ether	93	5.751	5.746	0.005	92	644750	144.8	
67 2-Chlorophenol	128	5.805	5.800	0.005	97	527413	144.0	
69 1,3-Dichlorobenzene	146	5.981	5.981	0.0	98	534556	140.2	
70 1,4-Dichlorobenzene	146	6.072	6.072	0.0	97	525549	137.2	
71 Benzyl alcohol	108	6.227	6.216	0.011	95	366306	150.4	
72 1,2-Dichlorobenzene	146	6.248	6.248	0.0	96	489318	137.0	
73 2-Methylphenol	108	6.355	6.344	0.011	98	503196	147.0	
74 2,2'-oxybis[1-chloropropane]	45	6.387	6.382	0.005	92	819278	144.6	
79 4-Methylphenol	108	6.547	6.531	0.016	97	500866	145.8	
78 N-Nitrosodi-n-propylamine	70	6.558	6.537	0.021	91	463177	151.1	
81 Hexachloroethane	117	6.644	6.644	0.0	92	233857	142.0	
83 Nitrobenzene	77	6.734	6.724	0.010	93	683111	142.6	
86 Isophorone	82	7.028	7.012	0.016	97	1180672	146.1	
87 2-Nitrophenol	139	7.103	7.103	0.0	95	258464	154.6	

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ng/uL	Flags
89 2,4-Dimethylphenol	107	7.167	7.156	0.011	98	563284	144.2	
90 Tetraethyl lead	237	7.199	7.199	0.0	55	195841	158.9	
94 Bis(2-chloroethoxy)methane	93	7.285	7.279	0.006	97	696452	141.5	
95 Benzoic acid	105	7.456	7.354	0.102	62	1552346	506.2	
97 2,4-Dichlorophenol	162	7.386	7.381	0.005	96	395170	139.7	
98 1,2,4-Trichlorobenzene	180	7.482	7.477	0.005	85	426651	135.6	
99 Naphthalene	128	7.573	7.568	0.005	99	1328348	136.4	
101 4-Chloroaniline	127	7.648	7.643	0.005	98	586382	140.8	
104 Hexachlorobutadiene	225	7.723	7.717	0.006	98	286136	135.8	
110 4-Chloro-3-methylphenol	107	8.220	8.209	0.011	97	477886	161.6	
113 2-Methylnaphthalene	142	8.385	8.380	0.005	96	856748	142.6	
116 Hexachlorocyclopentadiene	237	8.572	8.567	0.005	90	320672	152.9	
118 2,4,6-Trichlorophenol	196	8.722	8.716	0.006	98	299335	155.6	
119 2,4,5-Trichlorophenol	196	8.759	8.748	0.011	98	307557	150.7	
124 2-Chloronaphthalene	162	8.962	8.951	0.011	99	820196	143.6	
125 2-Nitroaniline	65	9.101	9.085	0.016	93	343174	158.4	
128 Dimethyl phthalate	163	9.336	9.320	0.016	99	975918	144.7	
130 2,6-Dinitrotoluene	165	9.400	9.384	0.016	77	217894	162.6	
131 Acenaphthylene	152	9.448	9.438	0.010	99	1359463	143.5	
132 3-Nitroaniline	138	9.598	9.582	0.016	95	258151	157.9	
133 Acenaphthene	153	9.657	9.646	0.011	99	821848	143.3	
134 2,4-Dinitrophenol	184	9.721	9.699	0.022	96	117419	166.5	
135 4-Nitrophenol	109	9.806	9.785	0.021	90	194600	169.0	
138 Dibenzofuran	168	9.860	9.849	0.011	97	1175905	141.7	
137 2,4-Dinitrotoluene	165	9.876	9.854	0.022	88	291818	162.3	
142 Diethyl phthalate	149	10.159	10.143	0.016	99	995497	143.1	
144 Fluorene	166	10.250	10.239	0.011	97	981104	143.7	
145 4-Chlorophenyl phenyl ether	204	10.260	10.250	0.010	96	489687	137.8	
147 4-Nitroaniline	138	10.314	10.282	0.032	86	262999	163.0	
148 4,6-Dinitro-2-methylphenol	198	10.330	10.308	0.022	92	163682	161.6	
149 N-Nitrosodiphenylamine	169	10.394	10.383	0.011	98	715778	146.2	
152 1,2-Diphenylhydrazine	77	10.431	10.421	0.010	97	1235118	142.9	
159 4-Bromophenyl phenyl ether	248	10.784	10.773	0.011	95	277735	143.6	
160 Hexachlorobenzene	284	10.832	10.821	0.011	98	296456	143.0	
165 Pentachlorophenol	266	11.040	11.030	0.010	97	189160	157.5	
171 Phenanthrene	178	11.254	11.243	0.011	99	1361700	141.3	
172 Anthracene	178	11.307	11.297	0.010	99	1384630	142.4	
173 Carbazole	167	11.473	11.462	0.011	99	1339734	141.7	
176 Di-n-butyl phthalate	149	11.815	11.810	0.005	100	1629113	143.1	
182 Fluoranthene	202	12.381	12.365	0.016	98	1618409	141.6	
183 Benzidine	184	12.509	12.493	0.016	99	855483	157.7	
185 Pyrene	202	12.584	12.563	0.021	98	1646893	154.1	
191 3,3'-Dimethylbenzidine	212	13.145	13.124	0.021	99	750610	136.7	
192 Butyl benzyl phthalate	149	13.150	13.134	0.016	96	724896	154.3	
196 3,3'-Dichlorobenzidine	252	13.610	13.599	0.011	63	611253	165.7	
197 Benzo[a]anthracene	228	13.631	13.621	0.010	64	1479017	146.8	
198 Bis(2-ethylhexyl) phthalate	149	13.642	13.631	0.011	95	919322	147.2	
199 Chrysene	228	13.669	13.653	0.016	97	1527890	150.9	
201 Di-n-octyl phthalate	149	14.181	14.171	0.010	100	1856329	155.1	
203 Benzo[b]fluoranthene	252	14.550	14.529	0.021	100	1730726	156.1	
204 Benzo[k]fluoranthene	252	14.571	14.555	0.016	97	1541345	131.0	
206 Benzo[a]pyrene	252	14.844	14.828	0.016	99	1416443	144.4	

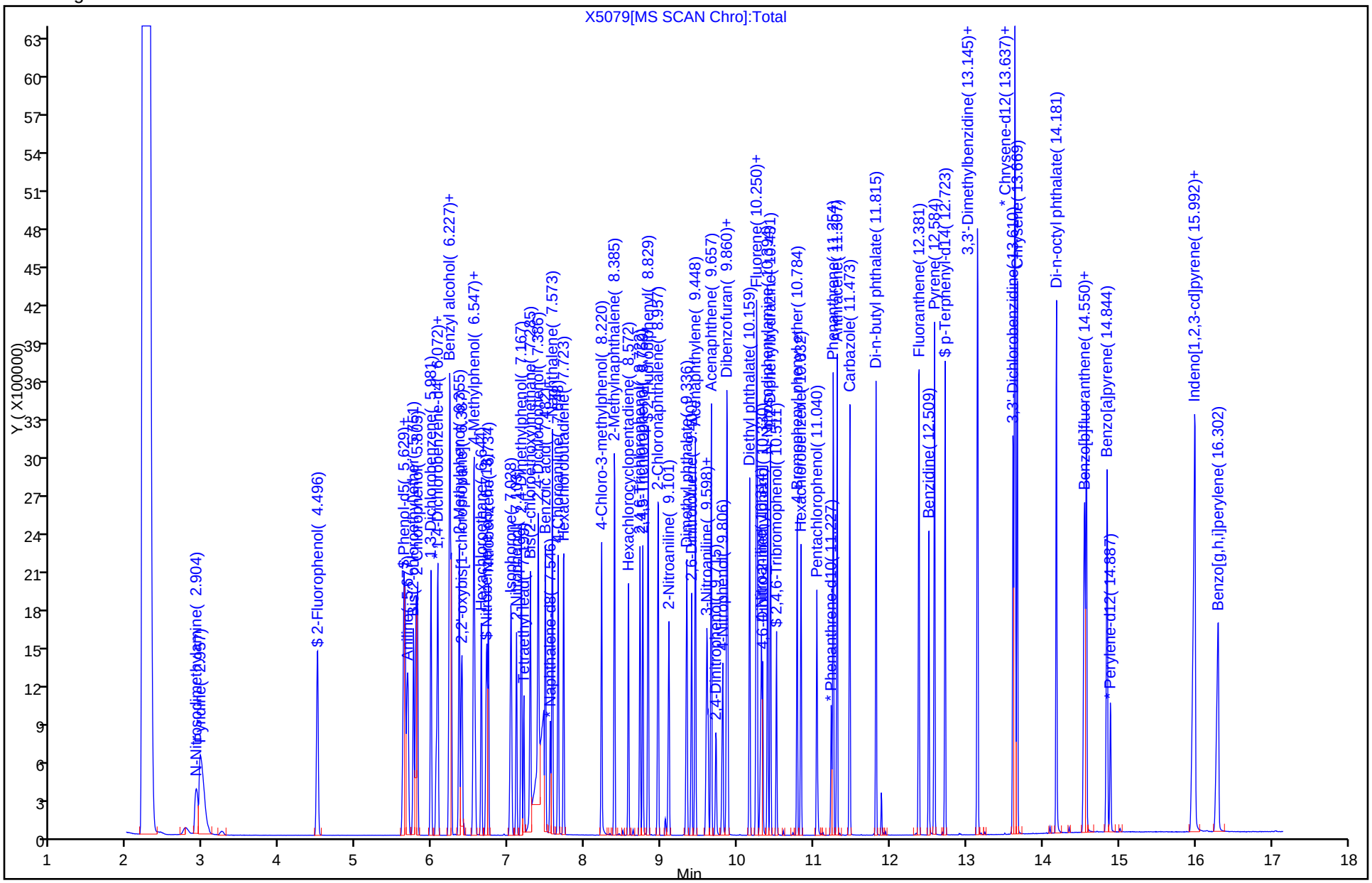
Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ng/uL	Flags
208 Indeno[1,2,3-cd]pyrene	276	15.992	15.955	0.037	79	1660671	152.0	
209 Dibenz(a,h)anthracene	278	15.998	15.966	0.032	96	1462605	150.8	
210 Benzo[g,h,i]perylene	276	16.302	16.270	0.032	100	1378192	149.5	
S 212 3 & 4 Methylphenol	108				0		145.8	
S 213 Total Cresols	1				0		292.7	
S 214 3-Methylphenol	1				0		145.8	

Report Date: 09-Apr-2012 16:33:21 Chrom Revision: 2.0 20-Feb-2012 13:27:02

Data File: \\Bufchrom\ChromData\HP5973X\20120409-10830.b\X5079.D

Injection Date:	09-Apr-2012 13:17:30	Limit Group:	MB - 8270C ICAL
Client ID:		Instrument ID:	HP5973X
Lims Batch ID:	58716	Lims Sample ID:	7
Operator ID:	RMM	Injection Vol:	1.00 ul
Column Type:	RXI-5Sil MS	Column Dia:	0.25 mm

Y Scaling:



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

Lab Name: TestAmerica Buffalo Job No.: 480-18068-1 Analy Batch No.: 58716

SDG No.:

Instrument ID: HP5973X GC Column: RXI-5Sil MS ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 04/09/2012 13:41 Calibration End Date: 04/09/2012 15:39 Calibration ID: 7313

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 480-58716/8	X5080.D
Level 2	IC 480-58716/9	X5081.D
Level 3	IC 480-58716/10	X5082.D
Level 4	IC 480-58716/11	X5083.D
Level 5	IC 480-58716/12	X5084.D
Level 6	IC 480-58716/13	X5085.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								
Benzaldehyde	1.2496 1.1806	1.2776	1.2666	1.2449	1.2225	Ave		1.2403				2.8		15.0			
Acetophenone	2.1144 1.9271	2.1698	2.1017	2.0668	1.9708	Ave		2.0584				4.5		15.0			
Caprolactam	0.0467 0.1219	0.0917	0.1065	0.1155	0.1154	Lin1	-0.428	0.1208							0.9990		0.9900
1,2,4,5-Tetrachlorobenzene	0.6130 0.5177	0.5900	0.5728	0.5423	0.5327	Ave		0.5614				6.5		15.0			
Biphenyl	1.5348 1.3227	1.4685	1.4144	1.4096	1.3441	Ave		1.4157				5.5		15.0			
2,3,4,6-Tetrachlorophenol	0.0939 0.2742	0.1830	0.2464	0.2672	0.2676	Lin1	-1.108	0.2769							0.9980		0.9900
Atrazine	0.2821 0.3419	0.3227	0.3406	0.3428	0.3382	Ave		0.3280				7.2		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 Buffalo Job No.: 480-18068-1 Analy Batch No.: 58716

SDG No.:

Instrument ID: HP5973X GC Column: RXI-5Sil MS ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 04/09/2012 13:41 Calibration End Date: 04/09/2012 15:39 Calibration ID: 7313

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 480-58716/8	X5080.D
Level 2	IC 480-58716/9	X5081.D
Level 3	IC 480-58716/10	X5082.D
Level 4	IC 480-58716/11	X5083.D
Level 5	IC 480-58716/12	X5084.D
Level 6	IC 480-58716/13	X5085.D

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (NG/UL)				
			LVL 1 LVL 6	LVL 2	LVL 3	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2	LVL 3	LVL 4	LVL 5
Benzaldehyde	DCB	Ave	13815 480854	55557	157769	246909	345529	5.00 160	20.0	50.0	80.0	120
Acetophenone	DCB	Ave	23376 784915	94353	261794	409917	557012	5.00 160	20.0	50.0	80.0	120
Caprolactam	NPT	Lin1	1852 170521	14036	46288	80065	111332	5.00 160	20.0	50.0	80.0	120
1,2,4,5-Tetrachlorobenzene	ANT	Ave	13727 417714	52104	141824	211923	294492	5.00 160	20.0	50.0	80.0	120
Biphenyl	ANT	Ave	34367 1067326	129694	350220	550849	743087	5.00 160	20.0	50.0	80.0	120
2,3,4,6-Tetrachlorophenol	ANT	Lin1	2102 221245	16158	61010	104433	147950	5.00 160	20.0	50.0	80.0	120
Atrazine	ANT	Ave	6316 275842	28499	84338	133948	186965	5.00 160	20.0	50.0	80.0	120

Curve Type Legend:

Ave = Average ISTD
Lin1 = Linear 1/conc ISTD

TestAmerica Laboratories
Target Compound Quantitation Report

Data File:	\\Bufchrom\ChromData\HP5973X\20120409-10830.b\X5080.D		
Lims ID:	IC - TADDS 5 PT	Client ID:	
Inject. Date:	09-Apr-2012 13:41:30	Dil. Factor:	1.0000
Sample Type:	IC	Calib Level:	1
Sample ID:	480-0010830-008		
Misc. Info.:			
Operator:	RMM	Instrument ID:	HP5973X
Vol. Injected:	1.0000	ALS Bottle#:	8
Lims Batch ID:	58716	Lims Sample ID:	8
Sublist:	chrom-X-8270*sub4		
Detector:	MS SCAN		
Method:	\\Bufchrom\ChromData\HP5973X\20120409-10830.b\X-8270.m		
Last Update:	09-Apr-2012 16:32:51	Calib Date:	09-Apr-2012 15:39:30
Quant Method:	Internal Standard	Quant By:	Initial Calibration
Last ICal File:	\\Bufchrom\ChromData\HP5973X\20120409-10830.b\X5085.D		
Limit Group:	MB - 8270C ICAL		
Integrator:	RTE	ID Type:	Deconvolution ID
Process Host:	CORP-CTX-19		
First Level Reviewer: mckernar		Date:	09-Apr-2012 16:32:51

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ng/uL	Flags
* 1 1,4-Dichlorobenzene-d4	152	6.040	6.029	0.011	98	88444	40.0	
* 2 Naphthalene-d8	136	7.535	7.525	0.010	93	317345	40.0	
* 3 Acenaphthene-d10	164	9.608	9.598	0.010	52	179136	40.0	
* 4 Phenanthrene-d10	188	11.216	11.206	0.010	99	326996	40.0	
* 5 Chrysene-d12	240	13.626	13.615	0.011	100	331853	40.0	
* 6 Perylene-d12	264	14.870	14.860	0.010	99	334898	40.0	
62 Benzaldehyde	77	5.532	5.516	0.016	74	13815	5.04	
76 Acetophenone	105	6.520	6.504	0.016	89	23376	5.14	
105 Caprolactam	113	8.080	8.032	0.048	36	1852	5.48	M
117 1,2,4,5-Tetrachlorobenzene	216	8.577	8.567	0.010	73	13727	5.46	
123 1,1'-Biphenyl	154	8.935	8.925	0.010	96	34367	5.42	
140 2,3,4,6-Tetrachlorophenol	232	9.998	9.982	0.016	1	2102	5.70	
163 Atrazine	200	10.954	10.949	0.005	44	6316	4.30	

QC Flag Legend

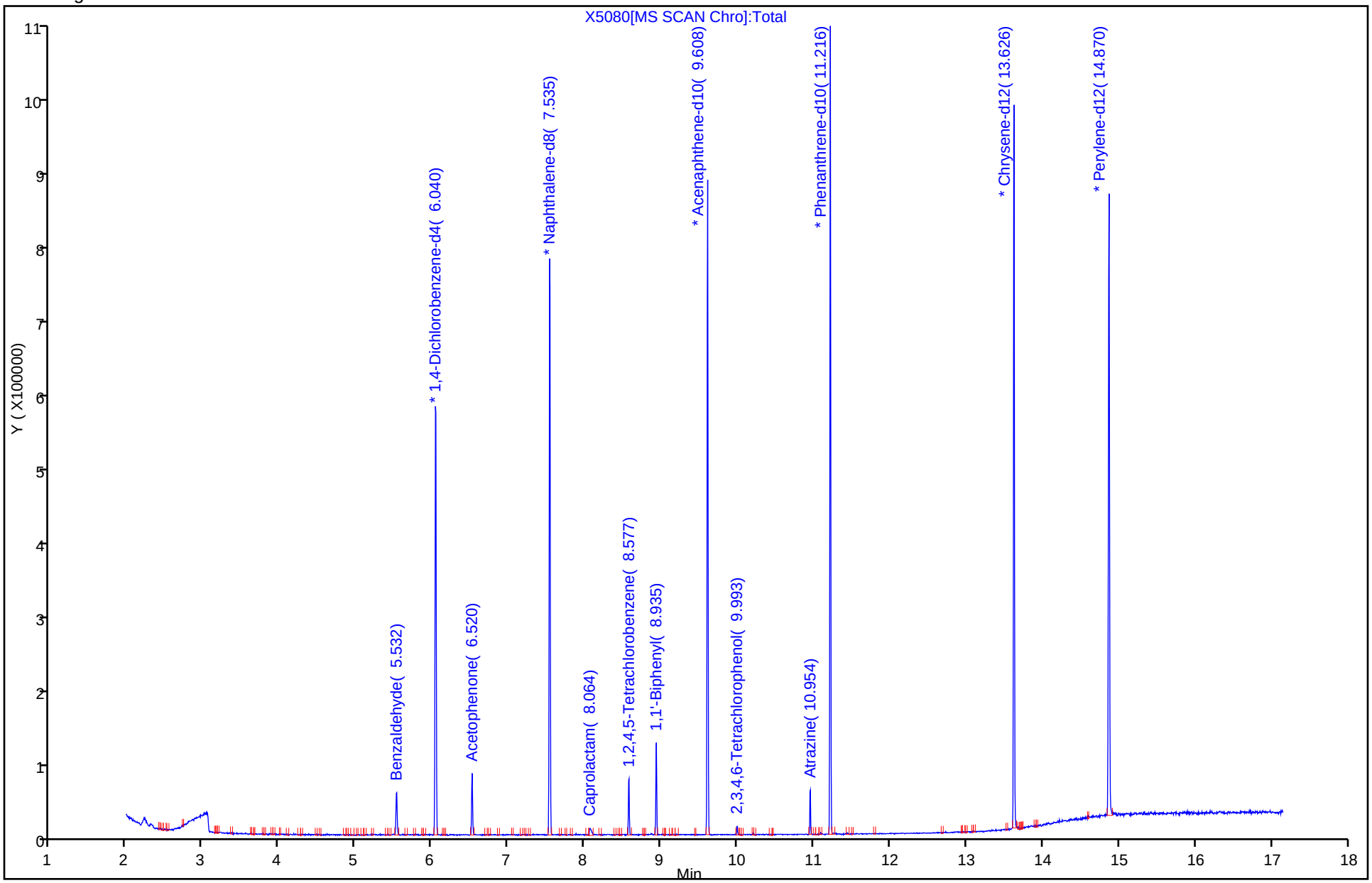
Review Flags
M - Manually Integrated

Report Date: 09-Apr-2012 16:32:51 Chrom Revision: 2.0 20-Feb-2012 13:27:02

Data File: \\Bufchrom\ChromData\HP5973X\20120409-10830.b\X5080.D

Injection Date:	09-Apr-2012 13:41:30	Limit Group:	MB - 8270C ICAL
Client ID:		Instrument ID:	HP5973X
Lims Batch ID:	58716	Lims Sample ID:	8
Operator ID:	RMM	Injection Vol:	1.00 ul
Column Type:	RXI-5Sil MS	Column Dia:	0.25 mm

Y Scaling:



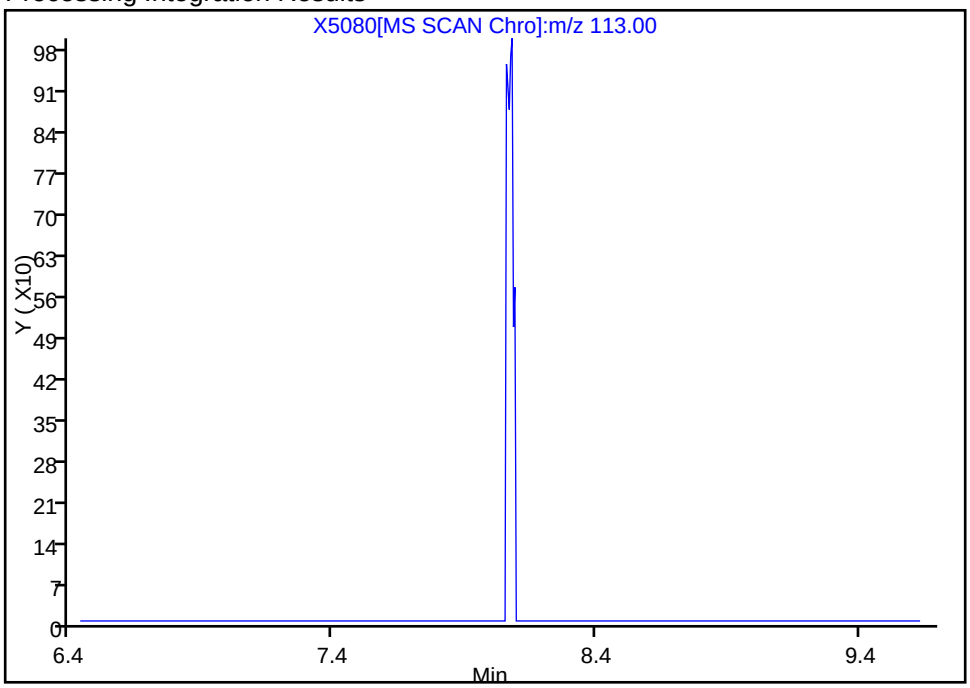
Manual Integration/User Assign Peak Report

Data File:	\\Bufchrom\ChromData\HP5973X\20120409-10830.b\X5080.D		
Injection Date:	09-Apr-2012 13:41:30	Limit Group:	MB - 8270C ICAL
Client ID:		Instrument ID:	HP5973X
Lims Batch ID:	58716	Lims Sample ID:	8
Operator ID:	RMM	Injection Vol:	1.00 ul
Column Type:	RXI-5Sil MS	Column Dia:	0.25 mm

105 Caprolactam, Signal: 1, m/z: 113.0 Type: quant, RT: 8.03

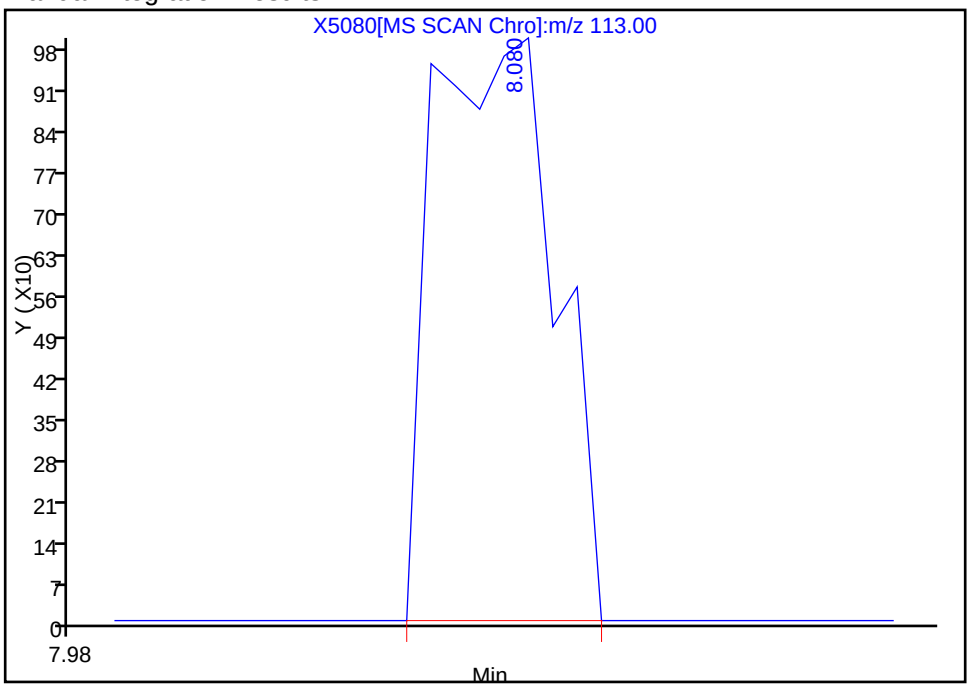
Not Detected
Expected RT: 8.03

Processing Integration Results



Manual Integration Results

RT: 8.08
Response: 1852
Amount: 5.475007



Reviewer: mckernar, 09-Apr-2012 14:17:12
Audit Action: Manually Integrated
Audit Reason: Assign Peak

TestAmerica Laboratories
Target Compound Quantitation Report

Data File:	\\Bufchrom\ChromData\HP5973X\20120409-10830.b\X5081.D		
Lims ID:	IC - TADDS 20 PT	Client ID:	
Inject. Date:	09-Apr-2012 14:05:30	Dil. Factor:	1.0000
Sample Type:	IC	Calib Level:	2
Sample ID:	480-0010830-009		
Misc. Info.:			
Operator:	RMM	Instrument ID:	HP5973X
Vol. Injected:	1.0000	ALS Bottle#:	9
Lims Batch ID:	58716	Lims Sample ID:	9
Sublist:	chrom-X-8270*sub4		
Detector:	MS SCAN		
Method:	\\Bufchrom\ChromData\HP5973X\20120409-10830.b\X-8270.m		
Last Update:	09-Apr-2012 16:32:47	Calib Date:	09-Apr-2012 15:39:30
Quant Method:	Internal Standard	Quant By:	Initial Calibration
Last ICal File:	\\Bufchrom\ChromData\HP5973X\20120409-10830.b\X5085.D		
Limit Group:	MB - 8270C ICAL		
Integrator:	RTE	ID Type:	Deconvolution ID
Process Host:	CORP-CTX-19		
First Level Reviewer: mckernar		Date:	09-Apr-2012 16:32:47

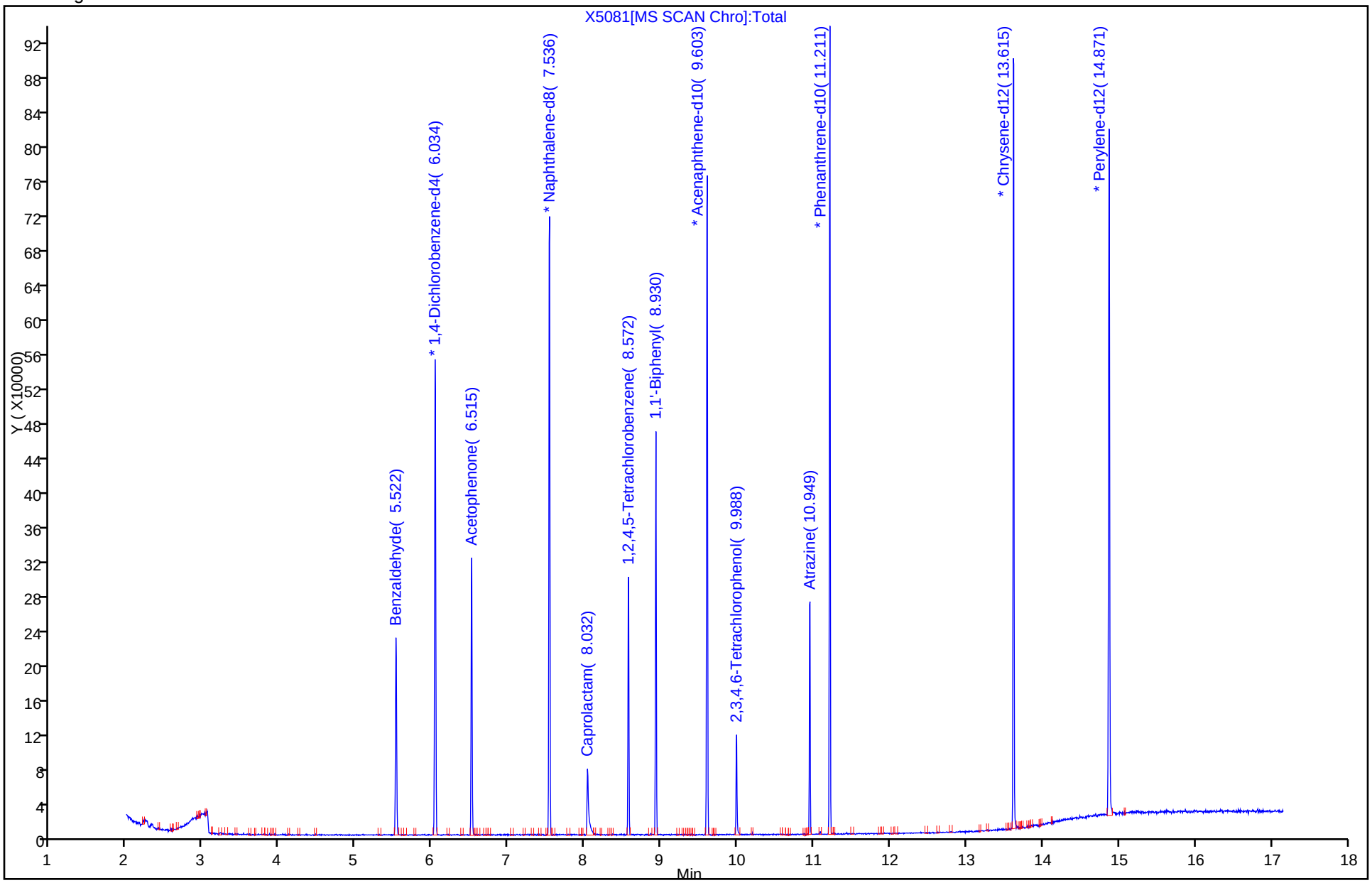
Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ng/uL	Flags
* 1 1,4-Dichlorobenzene-d4	152	6.034	6.029	0.005	97	86968	40.0	
* 2 Naphthalene-d8	136	7.536	7.525	0.011	93	306094	40.0	
* 3 Acenaphthene-d10	164	9.603	9.598	0.005	50	176632	40.0	
* 4 Phenanthrene-d10	188	11.211	11.206	0.005	99	309956	40.0	
* 5 Chrysene-d12	240	13.620	13.615	0.005	100	318002	40.0	
* 6 Perylene-d12	264	14.871	14.860	0.011	99	329720	40.0	
62 Benzaldehyde	77	5.522	5.516	0.006	90	55557	20.6	
76 Acetophenone	105	6.515	6.504	0.011	95	94353	21.1	
105 Caprolactam	113	8.032	8.032	0.0	82	14036	18.7	
117 1,2,4,5-Tetrachlorobenzene	216	8.572	8.567	0.005	97	52104	21.0	
123 1,1'-Biphenyl	154	8.930	8.925	0.005	99	129694	20.7	
140 2,3,4,6-Tetrachlorophenol	232	9.988	9.982	0.006	85	16158	17.2	
163 Atrazine	200	10.949	10.949	0.0	89	28499	19.7	

Report Date: 09-Apr-2012 16:32:47 Chrom Revision: 2.0 20-Feb-2012 13:27:02

Data File: \\Bufchrom\ChromData\HP5973X\20120409-10830.b\X5081.D

Injection Date:	09-Apr-2012 14:05:30	Limit Group:	MB - 8270C ICAL
Client ID:		Instrument ID:	HP5973X
Lims Batch ID:	58716	Lims Sample ID:	9
Operator ID:	RMM	Injection Vol:	1.00 ul
Column Type:	RXI-5Sil MS	Column Dia:	0.25 mm

Y Scaling:



TestAmerica Laboratories
Target Compound Quantitation Report

Data File:	\\Bufchrom\ChromData\HP5973X\20120409-10830.b\X5082.D		
Lims ID:	IC - TADDS 50 PT	Client ID:	
Inject. Date:	09-Apr-2012 14:28:30	Dil. Factor:	1.0000
Sample Type:	IC	Calib Level:	3
Sample ID:	480-0010830-010		
Misc. Info.:			
Operator:	RMM	Instrument ID:	HP5973X
Vol. Injected:	1.0000	ALS Bottle#:	10
Lims Batch ID:	58716	Lims Sample ID:	10
Sublist:	chrom-X-8270*sub4		
Detector:	MS SCAN		
Method:	\\Bufchrom\ChromData\HP5973X\20120409-10830.b\X-8270.m		
Last Update:	09-Apr-2012 16:32:38	Calib Date:	09-Apr-2012 15:39:30
Quant Method:	Internal Standard	Quant By:	Initial Calibration
Last ICal File:	\\Bufchrom\ChromData\HP5973X\20120409-10830.b\X5085.D		
Limit Group:	MB - 8270C ICAL		
Integrator:	RTE	ID Type:	Deconvolution ID
Process Host:	CORP-CTX-19		
First Level Reviewer: mckernar		Date:	09-Apr-2012 16:32:38

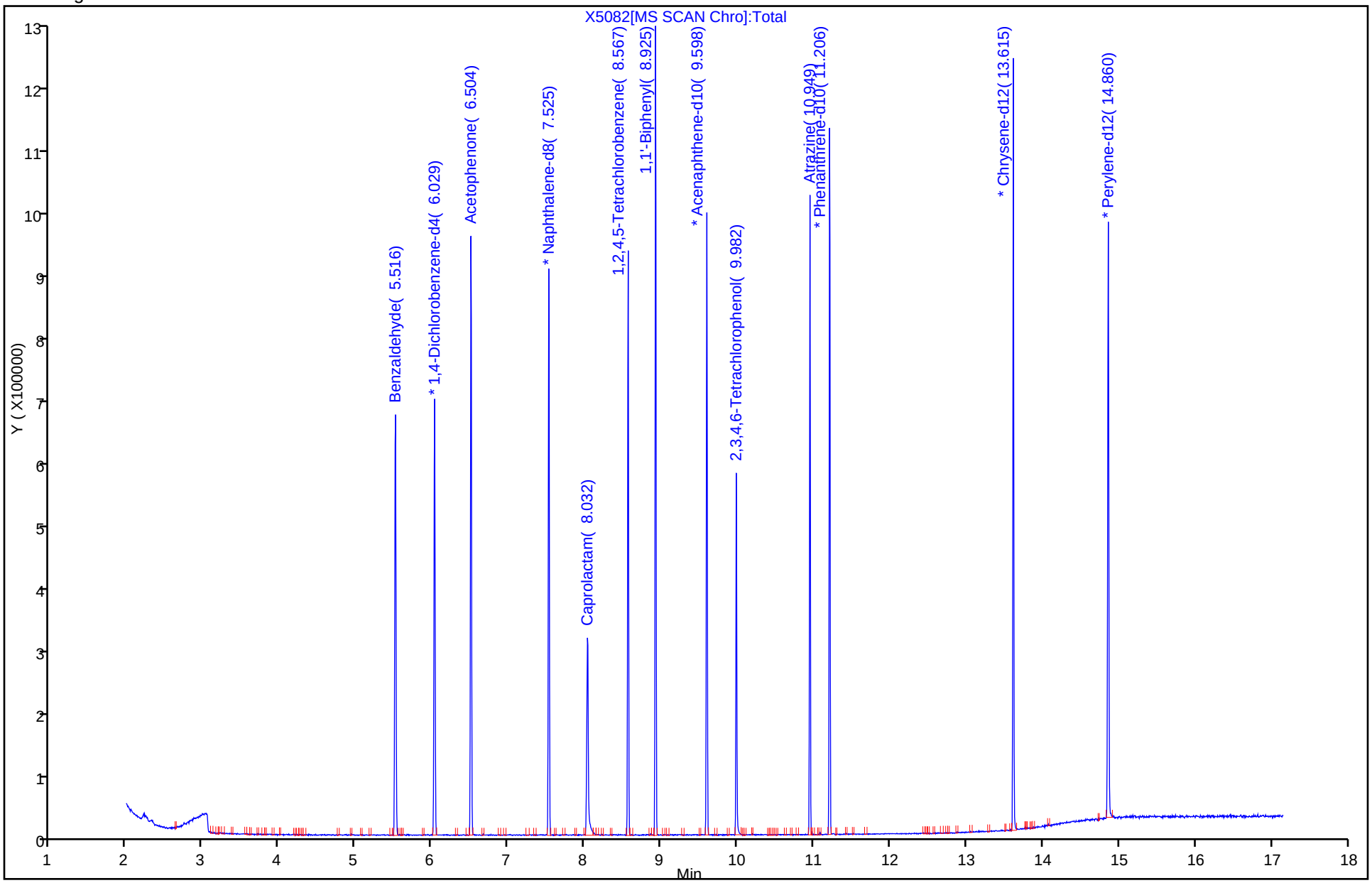
Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ng/uL	Flags
* 1 1,4-Dichlorobenzene-d4	152	6.029	6.029	0.0	98	99651	40.0	
* 2 Naphthalene-d8	136	7.525	7.525	0.0	93	347549	40.0	
* 3 Acenaphthene-d10	164	9.598	9.598	0.0	50	198086	40.0	
* 4 Phenanthrene-d10	188	11.206	11.206	0.0	100	358716	40.0	
* 5 Chrysene-d12	240	13.615	13.615	0.0	100	358748	40.0	
* 6 Perylene-d12	264	14.860	14.860	0.0	99	372288	40.0	
62 Benzaldehyde	77	5.516	5.516	0.0	91	157769	51.1	
76 Acetophenone	105	6.504	6.504	0.0	97	261794	51.1	
105 Caprolactam	113	8.032	8.032	0.0	95	46288	47.6	
117 1,2,4,5-Tetrachlorobenzene	216	8.567	8.567	0.0	99	141824	51.0	
123 1,1'-Biphenyl	154	8.925	8.925	0.0	100	350220	50.0	
140 2,3,4,6-Tetrachlorophenol	232	9.982	9.982	0.0	98	61010	48.5	
163 Atrazine	200	10.949	10.949	0.0	91	84338	51.9	

Report Date: 09-Apr-2012 16:32:38 Chrom Revision: 2.0 20-Feb-2012 13:27:02

Data File: \\Bufchrom\ChromData\HP5973X\20120409-10830.b\X5082.D

Injection Date:	09-Apr-2012 14:28:30	Limit Group:	MB - 8270C ICAL
Client ID:		Instrument ID:	HP5973X
Lims Batch ID:	58716	Lims Sample ID:	10
Operator ID:	RMM	Injection Vol:	1.00 ul
Column Type:	RXI-5Sil MS	Column Dia:	0.25 mm

Y Scaling:



TestAmerica Laboratories
Target Compound Quantitation Report

Data File:	\\Bufchrom\ChromData\HP5973X\20120409-10830.b\X5083.D		
Lims ID:	IC - TADDS 80 PT	Client ID:	
Inject. Date:	09-Apr-2012 14:52:30	Dil. Factor:	1.0000
Sample Type:	IC	Calib Level:	4
Sample ID:	480-0010830-011		
Misc. Info.:			
Operator:	RMM	Instrument ID:	HP5973X
Vol. Injected:	1.0000	ALS Bottle#:	11
Lims Batch ID:	58716	Lims Sample ID:	11
Sublist:	chrom-X-8270*sub4		
Detector:	MS SCAN		
Method:	\\Bufchrom\ChromData\HP5973X\20120409-10830.b\X-8270.m		
Last Update:	09-Apr-2012 16:32:34	Calib Date:	09-Apr-2012 15:39:30
Quant Method:	Internal Standard	Quant By:	Initial Calibration
Last ICal File:	\\Bufchrom\ChromData\HP5973X\20120409-10830.b\X5085.D		
Limit Group:	MB - 8270C ICAL		
Integrator:	RTE	ID Type:	Deconvolution ID
Process Host:	CORP-CTX-19		
First Level Reviewer: mckernar		Date:	09-Apr-2012 16:32:34

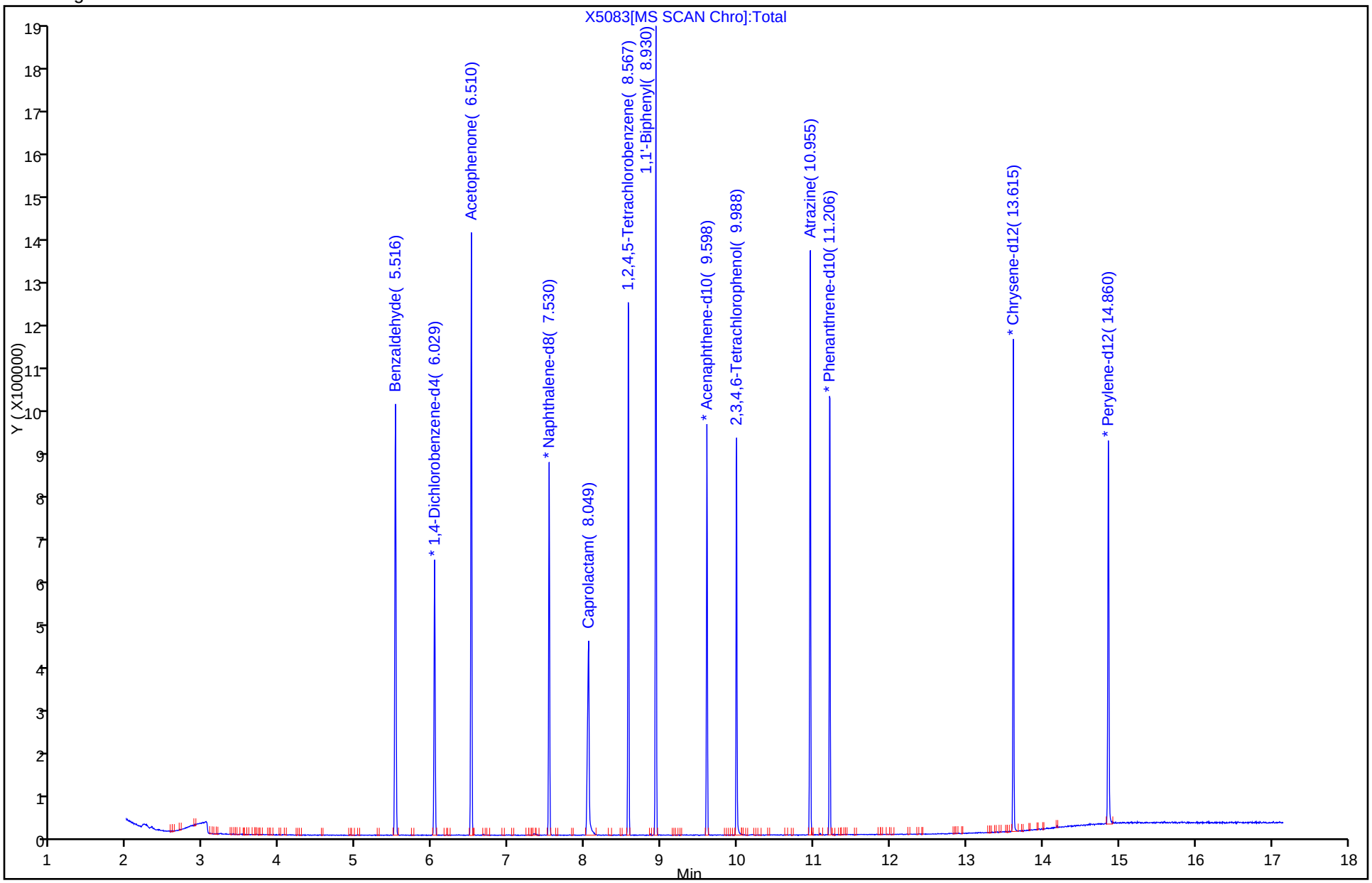
Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ng/uL	Flags
* 1 1,4-Dichlorobenzene-d4	152	6.029	6.029	0.0	98	99165	40.0	
* 2 Naphthalene-d8	136	7.530	7.525	0.005	93	346738	40.0	
* 3 Acenaphthene-d10	164	9.598	9.598	0.0	52	195398	40.0	
* 4 Phenanthrene-d10	188	11.211	11.206	0.005	100	355956	40.0	
* 5 Chrysene-d12	240	13.615	13.615	0.0	100	362811	40.0	
* 6 Perylene-d12	264	14.860	14.860	0.0	100	374984	40.0	
62 Benzaldehyde	77	5.516	5.516	0.0	92	246909	80.3	
76 Acetophenone	105	6.510	6.504	0.006	96	409917	80.3	
105 Caprolactam	113	8.049	8.032	0.017	95	80065	80.0	
117 1,2,4,5-Tetrachlorobenzene	216	8.572	8.567	0.005	99	211923	77.3	
123 1,1'-Biphenyl	154	8.930	8.925	0.005	99	550849	79.7	
140 2,3,4,6-Tetrachlorophenol	232	9.988	9.982	0.006	98	104433	81.2	
163 Atrazine	200	10.955	10.949	0.006	92	133948	83.6	

Report Date: 09-Apr-2012 16:32:34 Chrom Revision: 2.0 20-Feb-2012 13:27:02

Data File: \\Bufchrom\ChromData\HP5973X\20120409-10830.b\X5083.D

Injection Date:	09-Apr-2012 14:52:30	Limit Group:	MB - 8270C ICAL
Client ID:		Instrument ID:	HP5973X
Lims Batch ID:	58716	Lims Sample ID:	11
Operator ID:	RMM	Injection Vol:	1.00 ul
Column Type:	RXI-5Sil MS	Column Dia:	0.25 mm

Y Scaling:



TestAmerica Laboratories
Target Compound Quantitation Report

Data File:	\\Bufchrom\ChromData\HP5973X\20120409-10830.b\X5084.D		
Lims ID:	IC - TADDS 120 PT	Client ID:	
Inject. Date:	09-Apr-2012 15:15:30	Dil. Factor:	1.0000
Sample Type:	IC	Calib Level:	5
Sample ID:	480-0010830-012		
Misc. Info.:			
Operator:	RMM	Instrument ID:	HP5973X
Vol. Injected:	1.0000	ALS Bottle#:	12
Lims Batch ID:	58716	Lims Sample ID:	12
Sublist:	chrom-X-8270*sub4		
Detector:	MS SCAN		
Method:	\\Bufchrom\ChromData\HP5973X\20120409-10830.b\X-8270.m		
Last Update:	09-Apr-2012 16:32:31	Calib Date:	09-Apr-2012 15:39:30
Quant Method:	Internal Standard	Quant By:	Initial Calibration
Last ICal File:	\\Bufchrom\ChromData\HP5973X\20120409-10830.b\X5085.D		
Limit Group:	MB - 8270C ICAL		
Integrator:	RTE	ID Type:	Deconvolution ID
Process Host:	CORP-CTX-19		
First Level Reviewer: mckernar		Date:	09-Apr-2012 16:32:31

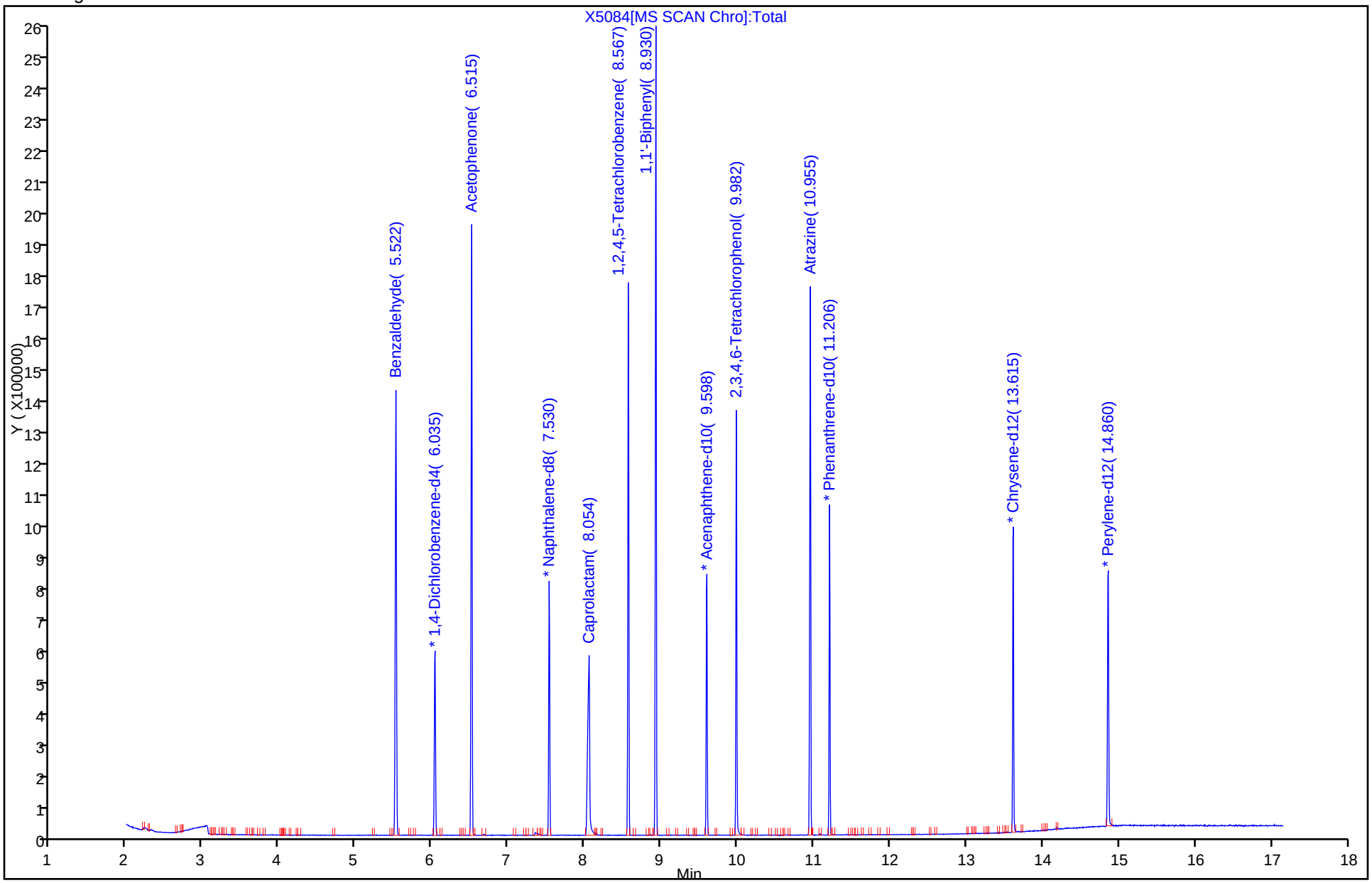
Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ng/uL	Flags
* 1 1,4-Dichlorobenzene-d4	152	6.035	6.029	0.006	98	94213	40.0	
* 2 Naphthalene-d8	136	7.530	7.525	0.005	93	321481	40.0	
* 3 Acenaphthene-d10	164	9.598	9.598	0.0	53	184284	40.0	
* 4 Phenanthrene-d10	188	11.206	11.206	0.0	99	329885	40.0	
* 5 Chrysene-d12	240	13.615	13.615	0.0	99	333077	40.0	
* 6 Perylene-d12	264	14.860	14.860	0.0	99	354095	40.0	
62 Benzaldehyde	77	5.522	5.516	0.006	92	345529	118.3	
76 Acetophenone	105	6.515	6.504	0.011	96	557012	114.9	
105 Caprolactam	113	8.054	8.032	0.022	95	111332	118.2	
117 1,2,4,5-Tetrachlorobenzene	216	8.567	8.567	0.0	99	294492	113.9	
123 1,1'-Biphenyl	154	8.930	8.925	0.005	100	743087	113.9	
140 2,3,4,6-Tetrachlorophenol	232	9.982	9.982	0.0	98	147950	120.0	
163 Atrazine	200	10.955	10.949	0.006	91	186965	123.7	

Report Date: 09-Apr-2012 16:32:31 Chrom Revision: 2.0 20-Feb-2012 13:27:02

Data File: \\Bufchrom\ChromData\HP5973X\20120409-10830.b\X5084.D

Injection Date:	09-Apr-2012 15:15:30	Limit Group:	MB - 8270C ICAL
Client ID:		Instrument ID:	HP5973X
Lims Batch ID:	58716	Lims Sample ID:	12
Operator ID:	RMM	Injection Vol:	1.00 ul
Column Type:	RXI-5Sil MS	Column Dia:	0.25 mm

Y Scaling:



TestAmerica Laboratories
Target Compound Quantitation Report

Data File:	\\Bufchrom\ChromData\HP5973X\20120409-10830.b\X5085.D		
Lims ID:	IC - TADDS 160 PT	Client ID:	
Inject. Date:	09-Apr-2012 15:39:30	Dil. Factor:	1.0000
Sample Type:	IC	Calib Level:	6
Sample ID:	480-0010830-013		
Misc. Info.:			
Operator:	RMM	Instrument ID:	HP5973X
Vol. Injected:	1.0000	ALS Bottle#:	13
Lims Batch ID:	58716	Lims Sample ID:	13
Sublist:	chrom-X-8270*sub4		
Detector:	MS SCAN		
Method:	\\Bufchrom\ChromData\HP5973X\20120409-10830.b\X-8270.m		
Last Update:	09-Apr-2012 16:32:28	Calib Date:	09-Apr-2012 15:39:30
Quant Method:	Internal Standard	Quant By:	Initial Calibration
Last ICal File:	\\Bufchrom\ChromData\HP5973X\20120409-10830.b\X5085.D		
Limit Group:	MB - 8270C ICAL		
Integrator:	RTE	ID Type:	Deconvolution ID
Process Host:	CORP-CTX-19		
First Level Reviewer: mckernar		Date:	09-Apr-2012 16:32:28

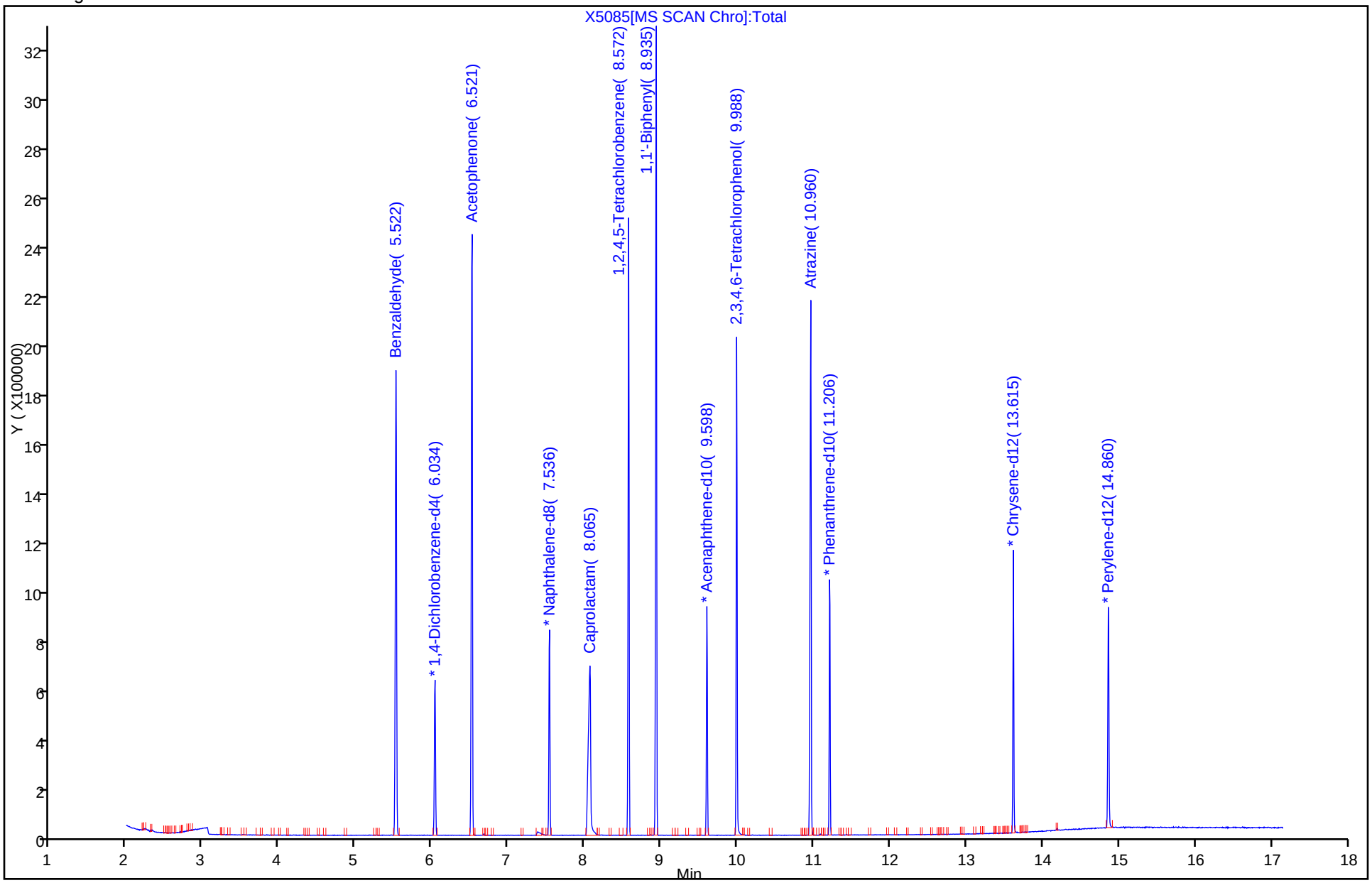
Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ng/uL	Flags
* 1 1,4-Dichlorobenzene-d4	152	6.034	6.029	0.005	98	101825	40.0	
* 2 Naphthalene-d8	136	7.536	7.525	0.011	93	349752	40.0	
* 3 Acenaphthene-d10	164	9.598	9.598	0.0	54	201727	40.0	
* 4 Phenanthrene-d10	188	11.206	11.206	0.0	100	357781	40.0	
* 5 Chrysene-d12	240	13.615	13.615	0.0	100	365778	40.0	
* 6 Perylene-d12	264	14.860	14.860	0.0	99	381018	40.0	
62 Benzaldehyde	77	5.522	5.516	0.006	92	480854	152.3	
76 Acetophenone	105	6.521	6.504	0.017	96	784915	149.8	
105 Caprolactam	113	8.065	8.032	0.033	95	170521	165.0	
117 1,2,4,5-Tetrachlorobenzene	216	8.572	8.567	0.005	99	417714	147.5	
123 1,1'-Biphenyl	154	8.935	8.925	0.010	99	1067326	149.5	
140 2,3,4,6-Tetrachlorophenol	232	9.988	9.982	0.006	98	221245	162.4	
163 Atrazine	200	10.960	10.949	0.011	91	275842	166.7	

Report Date: 09-Apr-2012 16:32:29 Chrom Revision: 2.0 20-Feb-2012 13:27:02

Data File: \\Bufchrom\ChromData\HP5973X\20120409-10830.b\X5085.D

Injection Date:	09-Apr-2012 15:39:30	Limit Group:	MB - 8270C ICAL
Client ID:		Instrument ID:	HP5973X
Lims Batch ID:	58716	Lims Sample ID:	13
Operator ID:	RMM	Injection Vol:	1.00 ul
Column Type:	RXI-5Sil MS	Column Dia:	0.25 mm

Y Scaling:



FORM VII
GC/MS SEMI VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Buffalo Job No.: 480-18068-1

SDG No.:

Lab Sample ID: CCVIS 480-58387/2 Calibration Date: 04/06/2012 00:20

Instrument ID: HP5973X Calib Start Date: 04/03/2012 13:29

GC Column: RXI-5Sil MS ID: 0.25(mm) Calib End Date: 04/03/2012 15:26

Lab File ID: X4917.D Conc. Units: ug/L

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
N-Nitrosodimethylamine	Ave	0.7653	0.9251	0.0100	60400	50000	20.9	25.0
Pyridine	Ave	0.7284	0.9099	0.0100	62500	50000	24.9	100.0
Aniline	Ave	2.279	2.229	0.0100	48900	50000	-2.2	100.0
Phenol	Ave	1.962	2.045	0.0100	52100	50000	4.2	20.0
Bis(2-chloroethyl)ether	Ave	1.356	1.348	0.0100	49700	50000	-0.6	25.0
2-Chlorophenol	Ave	1.300	1.328	0.0100	51100	50000	2.2	25.0
1,3-Dichlorobenzene	Ave	1.508	1.562	0.0100	51800	50000	3.6	25.0
1,4-Dichlorobenzene	Ave	1.532	1.634	0.0100	53300	50000	6.6	20.0
1,2-Dichlorobenzene	Ave	1.481	1.549	0.0100	52300	50000	4.6	25.0
Benzyl alcohol	Ave	0.9266	0.9676	0.0100	52200	50000	4.4	100.0
bis (2-chloroisopropyl) ether	Ave	1.187	1.309	0.0100	55100	50000	10.3	25.0
2-Methylphenol	Ave	1.301	1.362	0.0100	52300	50000	4.7	25.0
N-Nitrosodi-n-propylamine	Ave	1.178	1.345	0.0500	57100	50000	14.2	25.0
4-Methylphenol	Ave	1.297	1.359	0.0100	52400	50000	4.8	25.0
Hexachloroethane	Ave	0.6203	0.6927	0.0100	55800	50000	11.7	25.0
Nitrobenzene	Ave	0.4644	0.5364	0.0100	57800	50000	15.5	25.0
Isophorone	Ave	0.8153	0.9005	0.0100	55200	50000	10.5	25.0
2-Nitrophenol	Ave	0.1880	0.1991	0.0100	52900	50000	5.9	20.0
Tetraethyl lead	Ave	0.1766	0.1783	0.0100	50500	50000	0.9	40.0
2,4-Dimethylphenol	Ave	0.4414	0.4610	0.0100	52200	50000	4.4	25.0
Bis(2-chloroethoxy)methane	Ave	0.4248	0.4383	0.0100	51600	50000	3.2	25.0
2,4-Dichlorophenol	Ave	0.3138	0.3131	0.0100	49900	50000	-0.2	20.0
Benzoic acid	Lin1		0.3032	0.0100	145000	150000	-3.1	25.0
1,2,4-Trichlorobenzene	Ave	0.3345	0.3422	0.0100	51100	50000	2.3	25.0
Naphthalene	Ave	0.9719	0.9748	0.0100	50100	50000	0.3	25.0
4-Chloroaniline	Ave	0.4009	0.3988	0.0100	49700	50000	-0.5	25.0
Hexachlorobutadiene	Ave	0.2213	0.2469	0.0100	55800	50000	11.6	20.0
4-Chloro-3-methylphenol	Ave	0.3809	0.4114	0.0100	54000	50000	8.0	20.0
2-Methylnaphthalene	Ave	0.7071	0.7214	0.0100	51000	50000	2.0	25.0
Hexachlorocyclopentadiene	Lin1		0.2618	0.0500	43500	50000	-13.0	25.0
2,4,6-Trichlorophenol	Ave	0.3484	0.3708	0.0100	53200	50000	6.4	20.0
2,4,5-Trichlorophenol	Ave	0.3390	0.3557	0.0100	52500	50000	4.9	25.0
2-Chloronaphthalene	Ave	0.998	1.024	0.0100	51300	50000	2.6	25.0
2-Nitroaniline	Ave	0.3707	0.4353	0.0100	58700	50000	17.4	25.0
Dimethyl phthalate	Ave	1.231	1.306	0.0100	53100	50000	6.1	25.0
2,6-Dinitrotoluene	Ave	0.2741	0.2955	0.0100	53900	50000	7.8	25.0
Acenaphthylene	Ave	1.617	1.645	0.0100	50900	50000	1.7	25.0
3-Nitroaniline	Ave	0.2788	0.2885	0.0100	51700	50000	3.5	25.0
Acenaphthene	Ave	0.9791	1.017	0.0100	51900	50000	3.9	20.0
2,4-Dinitrophenol	Lin1		0.1136	0.0500	38600	50000	-22.8	25.0

FORM VII
GC/MS SEMI VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Buffalo Job No.: 480-18068-1

SDG No.:

Lab Sample ID: CCVIS 480-58387/2 Calibration Date: 04/06/2012 00:20

Instrument ID: HP5973X Calib Start Date: 04/03/2012 13:29

GC Column: RXI-5Sil MS ID: 0.25(mm) Calib End Date: 04/03/2012 15:26

Lab File ID: X4917.D Conc. Units: ug/L

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Dibenzofuran	Ave	1.468	1.514	0.0100	51600	50000	3.1	25.0
2,4-Dinitrotoluene	Ave	0.3779	0.4065	0.0100	53800	50000	7.6	25.0
4-Nitrophenol	Ave	0.2348	0.2817	0.0500	60000	50000	19.9	25.0
Diethyl phthalate	Ave	1.303	1.429	0.0100	54800	50000	9.6	25.0
Fluorene	Ave	1.252	1.321	0.0100	52800	50000	5.6	25.0
4-Chlorophenyl phenyl ether	Ave	0.6624	0.6772	0.0100	51100	50000	2.2	25.0
4-Nitroaniline	Ave	0.2757	0.2831	0.0100	51300	50000	2.7	25.0
4,6-Dinitro-2-methylphenol	Ave	0.1360	0.1540	0.0100	56600	50000	13.2	25.0
N-Nitrosodiphenylamine	Ave	0.5253	0.5520	0.0100	52500	50000	5.1	20.0
1,2-Diphenylhydrazine	Ave	1.447	1.707	0.0100	59000	50000	18.0	25.0
4-Bromophenyl phenyl ether	Ave	0.2220	0.2288	0.0100	51500	50000	3.0	25.0
Hexachlorobenzene	Ave	0.2391	0.2545	0.0100	53200	50000	6.4	25.0
Pentachlorophenol	Lin1		0.1284	0.0100	50300	50000	0.6	20.0
Phenanthrene	Ave	1.062	1.089	0.0100	51300	50000	2.5	25.0
Anthracene	Ave	1.055	1.079	0.0100	51100	50000	2.2	25.0
Carbazole	Ave	0.9340	0.9243	0.0100	49500	50000	-1.0	25.0
Di-n-butyl phthalate	Ave	1.215	1.265	0.0100	52100	50000	4.1	25.0
Fluoranthene	Ave	1.104	1.129	0.0100	51100	50000	2.3	20.0
Benzidine	Qua		0.5470	0.0100	40100	50000	-19.8	25.0
Pyrene	Lin1		1.140	0.0100	51900	50000	3.8	25.0
3,3'-Dimethylbenzidine	Ave	0.6230	0.5541	0.0100	44500	50000	-11.1	100.0
Butyl benzyl phthalate	Ave	0.5954	0.6142	0.0100	51600	50000	3.2	25.0
3,3'-Dichlorobenzidine	Ave	0.4533	0.5237	0.0100	57800	50000	15.5	25.0
Benzo(a)anthracene	Ave	1.108	1.131	0.0100	51000	50000	2.1	25.0
Bis(2-ethylhexyl) phthalate	Ave	0.8117	0.8305	0.0100	51200	50000	2.3	25.0
Chrysene	Ave	0.9947	0.9841	0.0100	49500	50000	-1.1	25.0
Di-n-octyl phthalate	Ave	1.225	1.314	0.0100	53600	50000	7.2	20.0
Benzo(b)fluoranthene	Ave	1.127	1.013	0.0100	44900	50000	-10.1	25.0
Benzo(k)fluoranthene	Ave	1.196	1.266	0.0100	52900	50000	5.9	25.0
Benzo(a)pyrene	Ave	0.9454	0.9589	0.0100	50700	50000	1.4	20.0
Indeno(1,2,3-cd)pyrene	Ave	1.205	1.006	0.0100	41700	50000	-16.5	25.0
Dibenz(a,h)anthracene	Ave	1.095	0.8726	0.0100	39900	50000	-20.3	25.0
Benzo(g,h,i)perylene	Ave	0.9904	0.7551	0.0100	38100	50000	-23.8	25.0
2-Fluorophenol	Ave	1.258	1.315	0.0100	52300	50000	4.6	25.0
Phenol-d5	Ave	1.741	1.830	0.0100	52600	50000	5.1	25.0
Nitrobenzene-d5	Ave	0.4886	0.5356	0.0100	54800	50000	9.6	25.0
2-Fluorobiphenyl	Ave	1.225	1.244	0.0100	50800	50000	1.5	25.0
2,4,6-Tribromophenol	Ave	0.1235	0.1278	0.0100	51800	50000	3.5	25.0
p-Terphenyl-d14	Lin1		0.8519	0.0100	51000	50000	2.0	25.0

TestAmerica Laboratories
Target Compound Quantitation Report

Data File: \\Bufchrom\ChromData\HP5973X\20120405-10764.b\X4917.D
Lims ID: CCVIS 8270 Client ID:
Inject. Date: 06-Apr-2012 00:20:30 Dil. Factor: 1.0000
Sample Type: CCVIS
Sample ID: 480-0010764-002
Misc. Info.:
Operator: RMM Instrument ID: HP5973X
Vol. Injected: 1.0000 ALS Bottle#: 34
Lims Batch ID: 58387 Lims Sample ID: 2
Sublist: chrom-X-8270*sub28
Detector: MS SCAN

Method: \\Bufchrom\ChromData\HP5973X\20120405-10764.b\X-8270.m
Last Update: 06-Apr-2012 09:50:58 Calib Date: 03-Apr-2012 15:26:30
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\Bufchrom\ChromData\HP5973X\20120403-10684.b\X4785.D
Limit Group: MB - 8270C ICAL
Integrator: RTE ID Type: Deconvolution ID
Process Host: CORP-CTX-19

First Level Reviewer: mckernar Date: 06-Apr-2012 09:50:58

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ng/uL	Flags
* 1 1,4-Dichlorobenzene-d4	152	5.845	5.845	0.0	96	64548	40.0	
* 2 Naphthalene-d8	136	7.351	7.351	0.0	98	246271	40.0	
* 3 Acenaphthene-d10	164	9.413	9.413	0.0	92	172768	40.0	
* 4 Phenanthrene-d10	188	11.037	11.037	0.0	99	283545	40.0	
* 5 Chrysene-d12	240	13.463	13.463	0.0	98	267522	40.0	
* 6 Perylene-d12	264	14.670	14.670	0.0	98	261494	40.0	
$ 7 2-Fluorophenol	112	4.322	4.322	0.0	95	106138	52.3	
$ 8 Phenol-d5	99	5.481	5.481	0.0	90	147645	52.6	
$ 9 Nitrobenzene-d5	82	6.512	6.512	0.0	92	164886	54.8	
$ 10 2-Fluorobiphenyl	172	8.633	8.633	0.0	99	268637	50.8	
$ 11 2,4,6-Tribromophenol	330	10.321	10.321	0.0	74	45305	51.8	
$ 12 p-Terphenyl-d14	244	12.549	12.549	0.0	98	284868	51.0	
56 Pyridine	52	2.773	2.773	0.0	0	73418	62.5	M
55 N-Nitrosodimethylamine	42	2.725	2.725	0.0	93	74643	60.4	
64 Aniline	93	5.471	5.471	0.0	96	179867	48.9	
63 Phenol	94	5.497	5.497	0.0	87	165032	52.1	
66 Bis(2-chloroethyl)ether	93	5.551	5.551	0.0	86	108742	49.7	
67 2-Chlorophenol	128	5.615	5.615	0.0	91	107136	51.1	
69 1,3-Dichlorobenzene	146	5.775	5.775	0.0	93	126062	51.8	
70 1,4-Dichlorobenzene	146	5.866	5.866	0.0	92	131816	53.3	
72 1,2-Dichlorobenzene	146	6.042	6.042	0.0	88	125008	52.3	
71 Benzyl alcohol	108	6.042	6.042	0.0	94	78070	52.2	
74 2,2'-oxybis[1-chloropropane]	45	6.186	6.186	0.0	82	105655	55.1	
73 2-Methylphenol	108	6.202	6.202	0.0	93	109859	52.3	
78 N-Nitrosodi-n-propylamine	70	6.347	6.347	0.0	89	108504	57.1	
79 4-Methylphenol	108	6.395	6.395	0.0	96	109644	52.4	
81 Hexachloroethane	117	6.432	6.432	0.0	90	55890	55.8	
83 Nitrobenzene	77	6.534	6.534	0.0	92	165131	57.8	
86 Isophorone	82	6.827	6.827	0.0	99	277215	55.2	
87 2-Nitrophenol	139	6.913	6.913	0.0	89	61285	52.9	

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ng/uL	Flags
90 Tetraethyl lead	237	6.998	6.998	0.0	85	54871	50.5	
89 2,4-Dimethylphenol	107	7.009	7.009	0.0	95	141913	52.2	
94 Bis(2-chloroethoxy)methane	93	7.095	7.095	0.0	99	134910	51.6	
97 2,4-Dichlorophenol	162	7.228	7.228	0.0	94	96396	49.9	
95 Benzoic acid	105	7.260	7.260	0.0	68	279995	145.3	
98 1,2,4-Trichlorobenzene	180	7.287	7.287	0.0	86	105332	51.1	
99 Naphthalene	128	7.372	7.372	0.0	98	300065	50.1	
101 4-Chloroaniline	127	7.474	7.474	0.0	93	122770	49.7	
104 Hexachlorobutadiene	225	7.522	7.522	0.0	89	76009	55.8	
110 4-Chloro-3-methylphenol	107	8.088	8.088	0.0	96	126641	54.0	
113 2-Methylnaphthalene	142	8.190	8.190	0.0	94	222085	51.0	
116 Hexachlorocyclopentadiene	237	8.371	8.371	0.0	91	56527	43.5	
118 2,4,6-Trichlorophenol	196	8.548	8.548	0.0	94	80076	53.2	
119 2,4,5-Trichlorophenol	196	8.622	8.622	0.0	91	76823	52.5	
124 2-Chloronaphthalene	162	8.761	8.761	0.0	97	221137	51.3	
125 2-Nitroaniline	65	8.922	8.922	0.0	94	94014	58.7	
128 Dimethyl phthalate	163	9.141	9.141	0.0	97	282053	53.1	
130 2,6-Dinitrotoluene	165	9.215	9.215	0.0	76	63818	53.9	
131 Acenaphthylene	152	9.248	9.248	0.0	97	355171	50.9	
132 3-Nitroaniline	138	9.418	9.418	0.0	88	62310	51.7	
133 Acenaphthene	153	9.451	9.451	0.0	97	219617	51.9	
134 2,4-Dinitrophenol	184	9.552	9.552	0.0	87	24528	38.6	
138 Dibenzofuran	168	9.659	9.659	0.0	99	326903	51.6	
137 2,4-Dinitrotoluene	165	9.691	9.691	0.0	92	87789	53.8	
135 4-Nitrophenol	109	9.728	9.728	0.0	79	60826	60.0	M
142 Diethyl phthalate	149	9.963	9.963	0.0	98	308582	54.8	
144 Fluorene	166	10.049	10.049	0.0	98	285325	52.8	
145 4-Chlorophenyl phenyl ether	204	10.060	10.060	0.0	90	146237	51.1	
147 4-Nitroaniline	138	10.129	10.129	0.0	93	61138	51.3	
148 4,6-Dinitro-2-methylphenol	198	10.150	10.150	0.0	89	54590	56.6	
149 N-Nitrosodiphenylamine	169	10.204	10.204	0.0	98	195635	52.5	
152 1,2-Diphenylhydrazine	77	10.230	10.230	0.0	96	368644	59.0	
159 4-Bromophenyl phenyl ether	248	10.583	10.583	0.0	86	81080	51.5	
160 Hexachlorobenzene	284	10.636	10.636	0.0	93	90213	53.2	
165 Pentachlorophenol	266	10.872	10.872	0.0	89	45508	50.3	
171 Phenanthrene	178	11.059	11.059	0.0	99	386008	51.3	
172 Anthracene	178	11.112	11.112	0.0	99	382308	51.1	
173 Carbazole	167	11.299	11.299	0.0	99	327594	49.5	
176 Di-n-butyl phthalate	149	11.641	11.641	0.0	99	448437	52.1	
182 Fluoranthene	202	12.202	12.202	0.0	99	400232	51.1	
183 Benzidine	184	12.346	12.346	0.0	99	182903	40.1	M
185 Pyrene	202	12.405	12.405	0.0	99	381220	51.9	
191 3,3'-Dimethylbenzidine	212	12.976	12.976	0.0	97	196405	44.5	
192 Butyl benzyl phthalate	149	12.976	12.976	0.0	91	205388	51.6	
196 3,3'-Dichlorobenzidine	252	13.441	13.441	0.0	69	175134	57.8	
197 Benzo[a]anthracene	228	13.452	13.452	0.0	96	378356	51.0	
198 Bis(2-ethylhexyl) phthalate	149	13.468	13.468	0.0	88	277714	51.2	
199 Chrysene	228	13.484	13.484	0.0	96	329086	49.5	
201 Di-n-octyl phthalate	149	14.002	14.002	0.0	99	439237	53.6	
203 Benzo[b]fluoranthene	252	14.344	14.344	0.0	99	331000	44.9	
204 Benzo[k]fluoranthene	252	14.371	14.371	0.0	98	413945	52.9	
206 Benzo[a]pyrene	252	14.622	14.622	0.0	98	313418	50.7	

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ng/uL	Flags
208 Indeno[1,2,3-cd]pyrene	276	15.674	15.674	0.0	89	328722	41.7	
209 Dibenz(a,h)anthracene	278	15.680	15.680	0.0	81	285212	39.9	
210 Benzo[g,h,i]perylene	276	15.957	15.957	0.0	98	246819	38.1	
S 212 3 & 4 Methylphenol	108				0		52.4	
S 213 Total Cresols	1				0		104.7	
S 214 3-Methylphenol	1				0		52.4	

QC Flag Legend

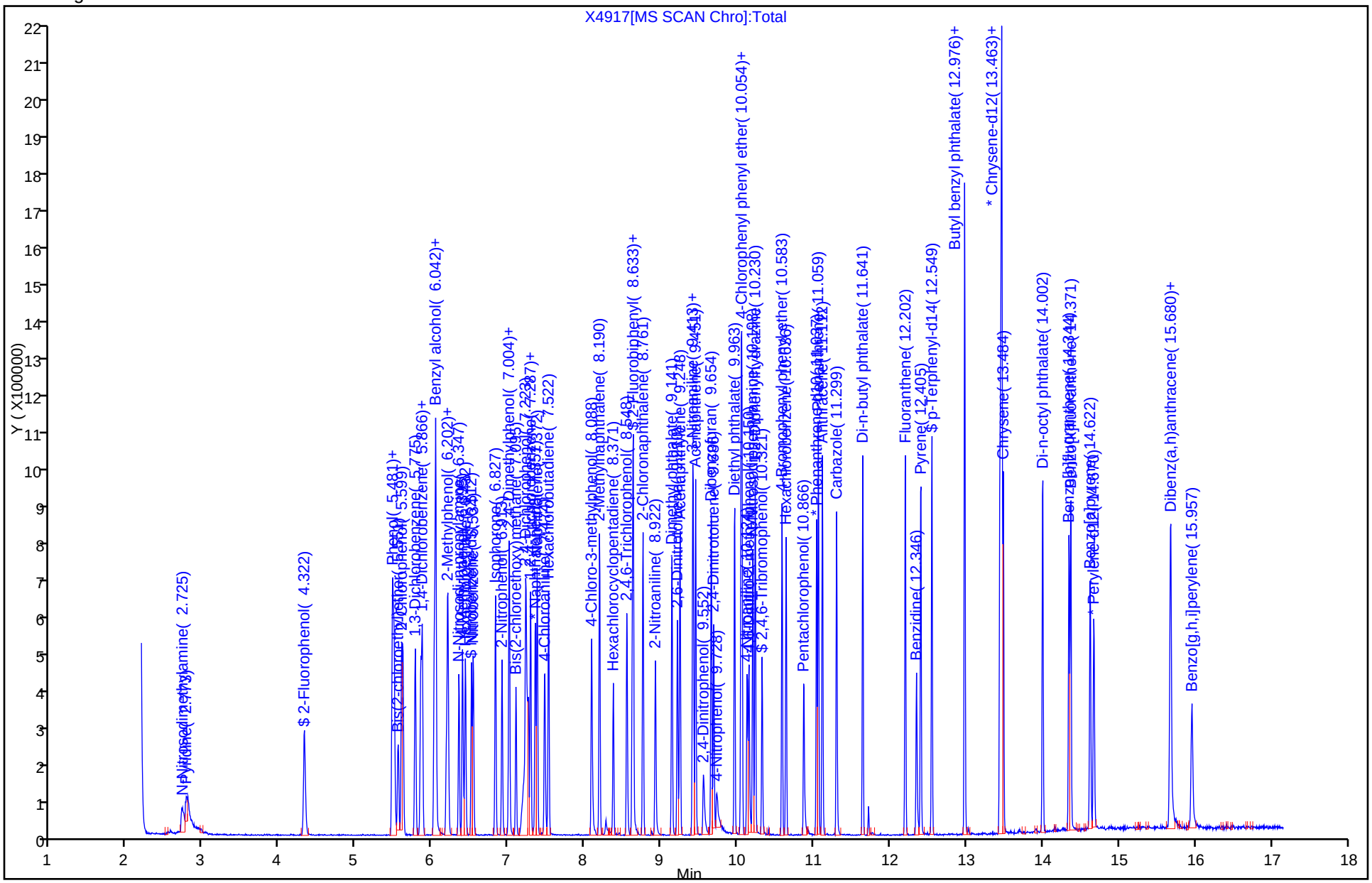
Review Flags
M - Manually Integrated

Report Date: 06-Apr-2012 09:50:58 Chrom Revision: 2.0 20-Feb-2012 13:27:02

Data File: \\Bufchrom\ChromData\HP5973X\20120405-10764.b\X4917.D

Injection Date:	06-Apr-2012 00:20:30	Limit Group:	MB - 8270C ICAL
Client ID:		Instrument ID:	HP5973X
Lims Batch ID:	58387	Lims Sample ID:	2
Operator ID:	RMM	Injection Vol:	1.00 ul
Column Type:	RXI-5Sil MS	Column Dia:	0.25 mm

Y Scaling:



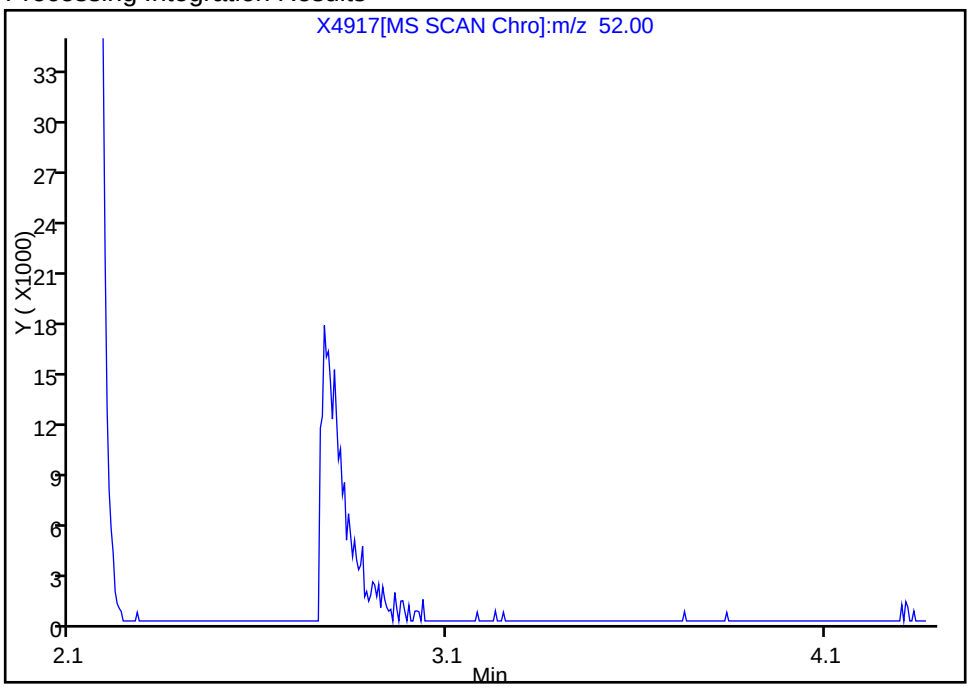
Manual Integration/User Assign Peak Report

Data File:	\\Bufchrom\ChromData\HP5973X\20120405-10764.b\X4917.D		
Injection Date:	06-Apr-2012 00:20:30	Limit Group:	MB - 8270C ICAL
Client ID:		Instrument ID:	HP5973X
Lims Batch ID:	58387	Lims Sample ID:	2
Operator ID:	RMM	Injection Vol:	1.00 ul
Column Type:	RXI-5Sil MS	Column Dia:	0.25 mm

56 Pyridine, Signal: 1, m/z: 52.0 Type: quant, RT: 2.77

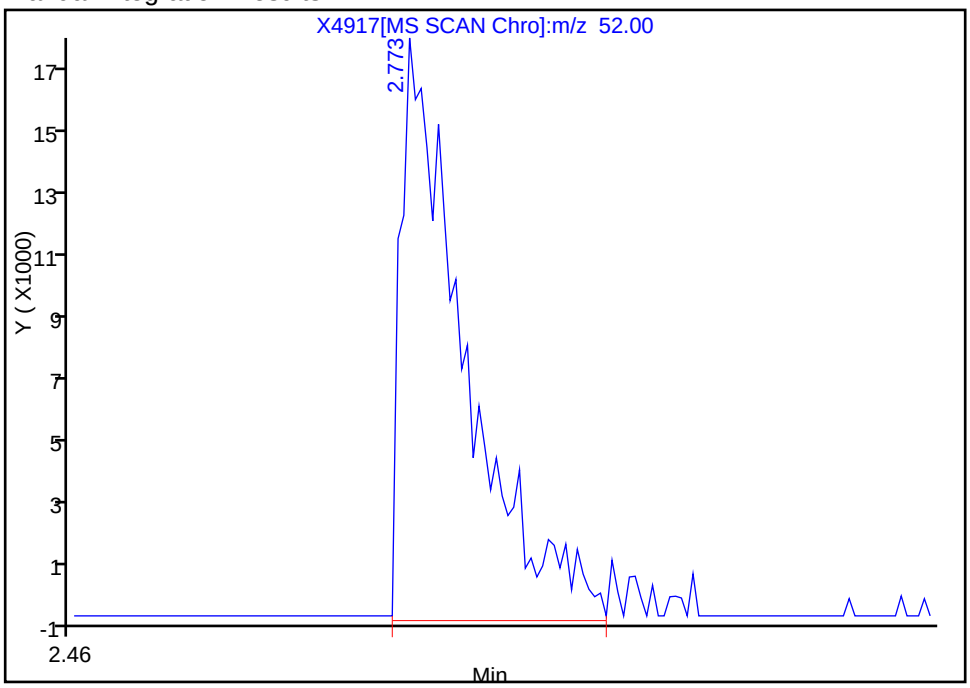
Not Detected
Expected RT: 2.77

Processing Integration Results



Manual Integration Results

RT: 2.77
Response: 73418
Amount: 62.458261



Reviewer: mckernar, 06-Apr-2012 09:50:58
Audit Action: Manually Integrated
Audit Reason: Assign Peak

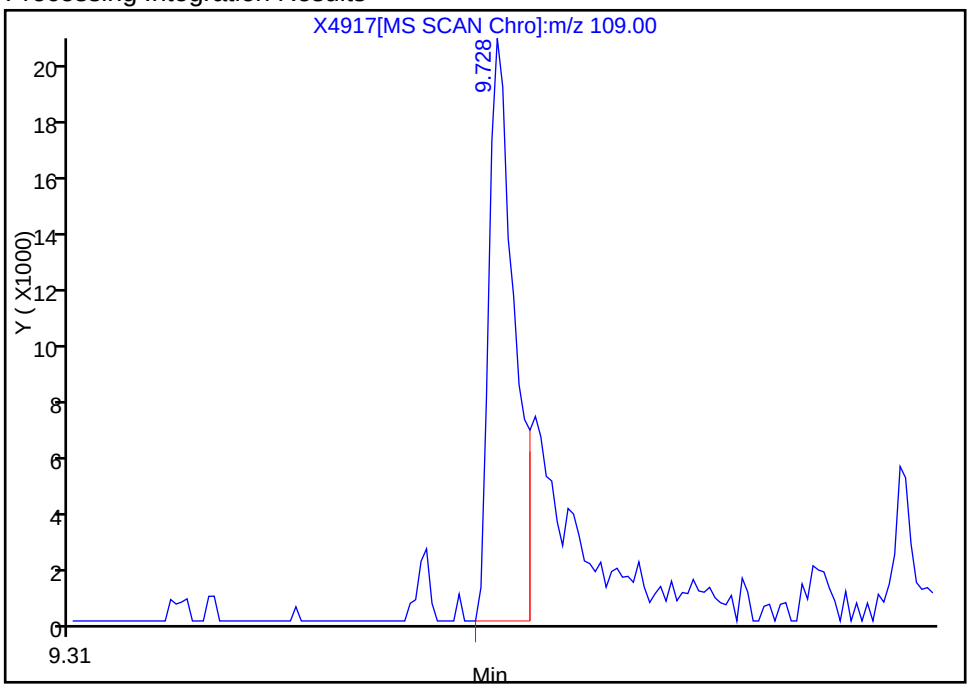
Manual Integration/User Assign Peak Report

Data File:	\\Bufchrom\ChromData\HP5973X\20120405-10764.b\X4917.D		
Injection Date:	06-Apr-2012 00:20:30	Limit Group:	MB - 8270C ICAL
Client ID:		Instrument ID:	HP5973X
Lims Batch ID:	58387	Lims Sample ID:	2
Operator ID:	RMM	Injection Vol:	1.00 ul
Column Type:	RXI-5Sil MS	Column Dia:	0.25 mm

135 4-Nitrophenol, Signal: 1, m/z: 109.0 Type: quant, RT: 9.73

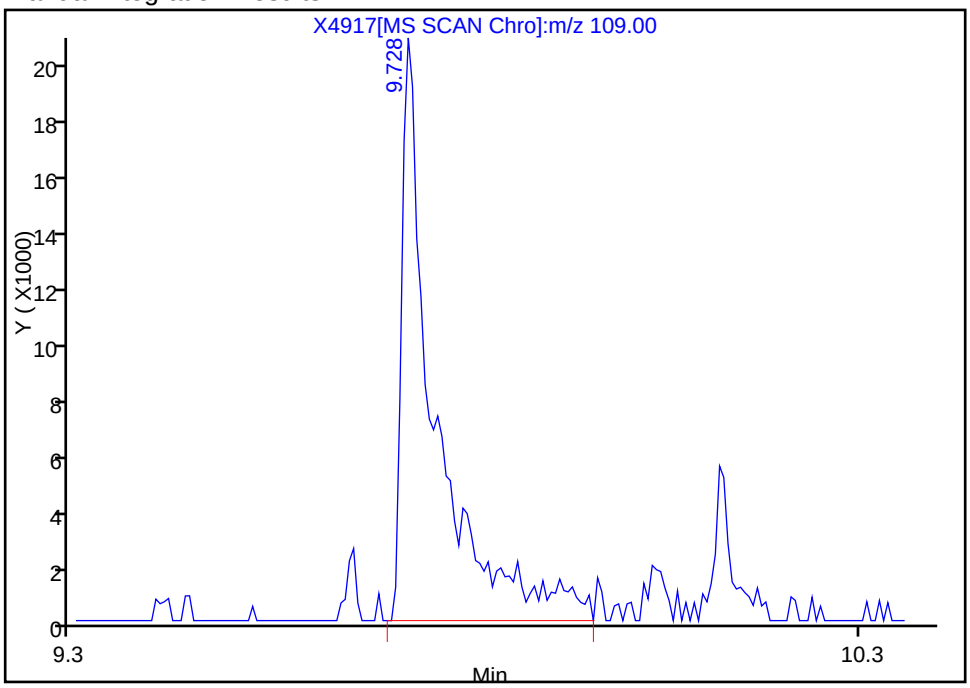
Processing Integration Results

RT: 9.73
Response: 36194
Amount: 35.686432



Manual Integration Results

RT: 9.73
Response: 60826
Amount: 59.973005



Reviewer: mckernar, 06-Apr-2012 09:50:58
Audit Action: Manually Integrated
Audit Reason: Peak Tail

Report Date: 06-Apr-2012 09:50:58 Chrom Revision: 2.0 20-Feb-2012 13:27:02

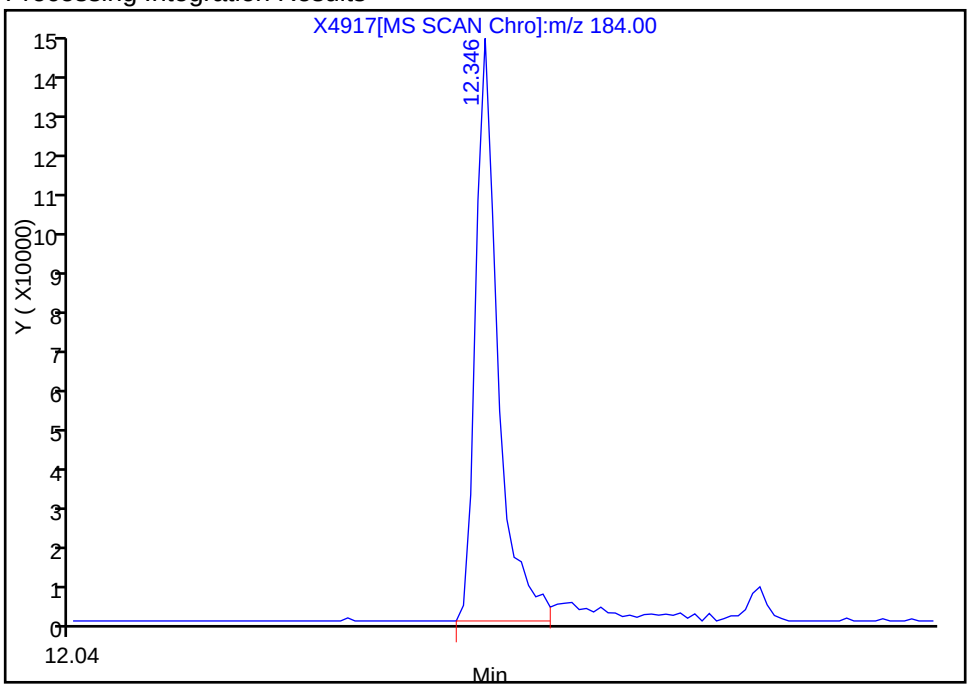
Manual Integration/User Assign Peak Report

Data File:	\\Bufchrom\ChromData\HP5973X\20120405-10764.b\X4917.D		
Injection Date:	06-Apr-2012 00:20:30	Limit Group:	MB - 8270C ICAL
Client ID:		Instrument ID:	HP5973X
Lims Batch ID:	58387	Lims Sample ID:	2
Operator ID:	RMM	Injection Vol:	1.00 ul
Column Type:	RXI-5Sil MS	Column Dia:	0.25 mm

183 Benzidine, Signal: 1, m/z: 184.0 Type: quant, RT: 12.35

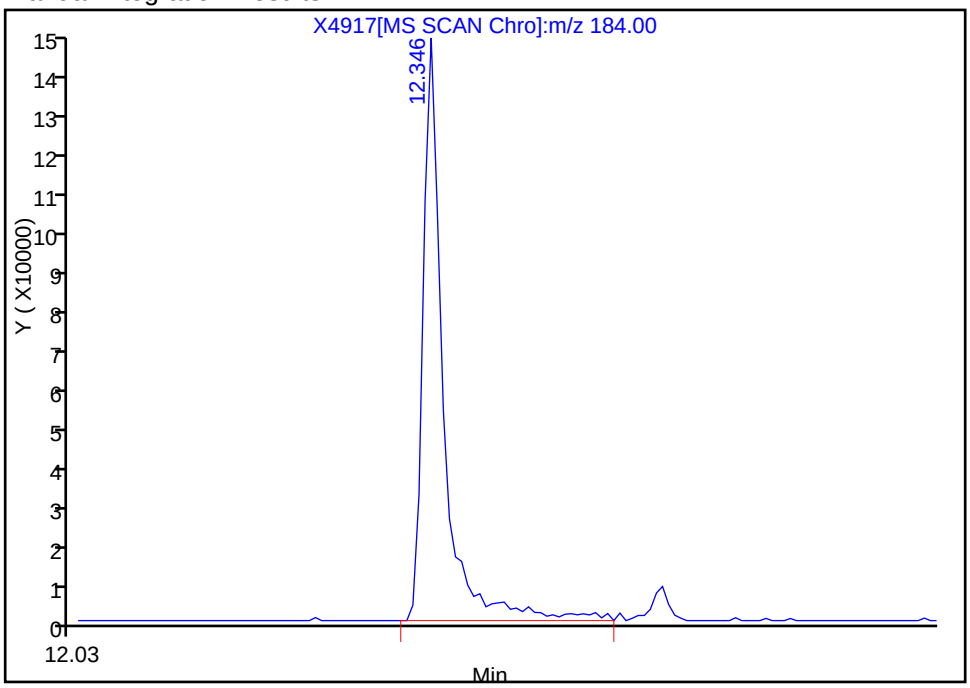
Processing Integration Results

RT: 12.35
Response: 168483
Amount: 36.580452



Manual Integration Results

RT: 12.35
Response: 182903
Amount: 40.055661



Reviewer: mckernar, 06-Apr-2012 09:50:58
Audit Action: Manually Integrated
Audit Reason: Peak Tail

FORM VII
GC/MS SEMI VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Buffalo Job No.: 480-18068-1

SDG No.:

Lab Sample ID: CCV 480-58387/3 Calibration Date: 04/06/2012 00:43

Instrument ID: HP5973X Calib Start Date: 03/01/2012 14:12

GC Column: RXI-5Sil MS ID: 0.25(mm) Calib End Date: 03/01/2012 16:13

Lab File ID: X4918.D Conc. Units: ug/L

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Benzaldehyde	Ave	1.063	1.207	0.0100	56800	50000	13.6	40.0
Acetophenone	Ave	1.870	2.078	0.0100	55600	50000	11.1	40.0
Caprolactam	Lin1		0.0644	0.0100	35500	50000	-29.0	40.0
1,2,4,5-Tetrachlorobenzene	Ave	0.4710	0.4826	0.0100	51200	50000	2.5	40.0
Biphenyl	Ave	1.326	1.288	0.0100	48600	50000	-2.8	40.0
2,3,4,6-Tetrachlorophenol	Ave	0.2494	0.2615	0.0100	52400	50000	4.9	40.0
Atrazine	Ave	0.3017	0.3773	0.0100	62500	50000	25.1*	25.0

TestAmerica Laboratories
Target Compound Quantitation Report

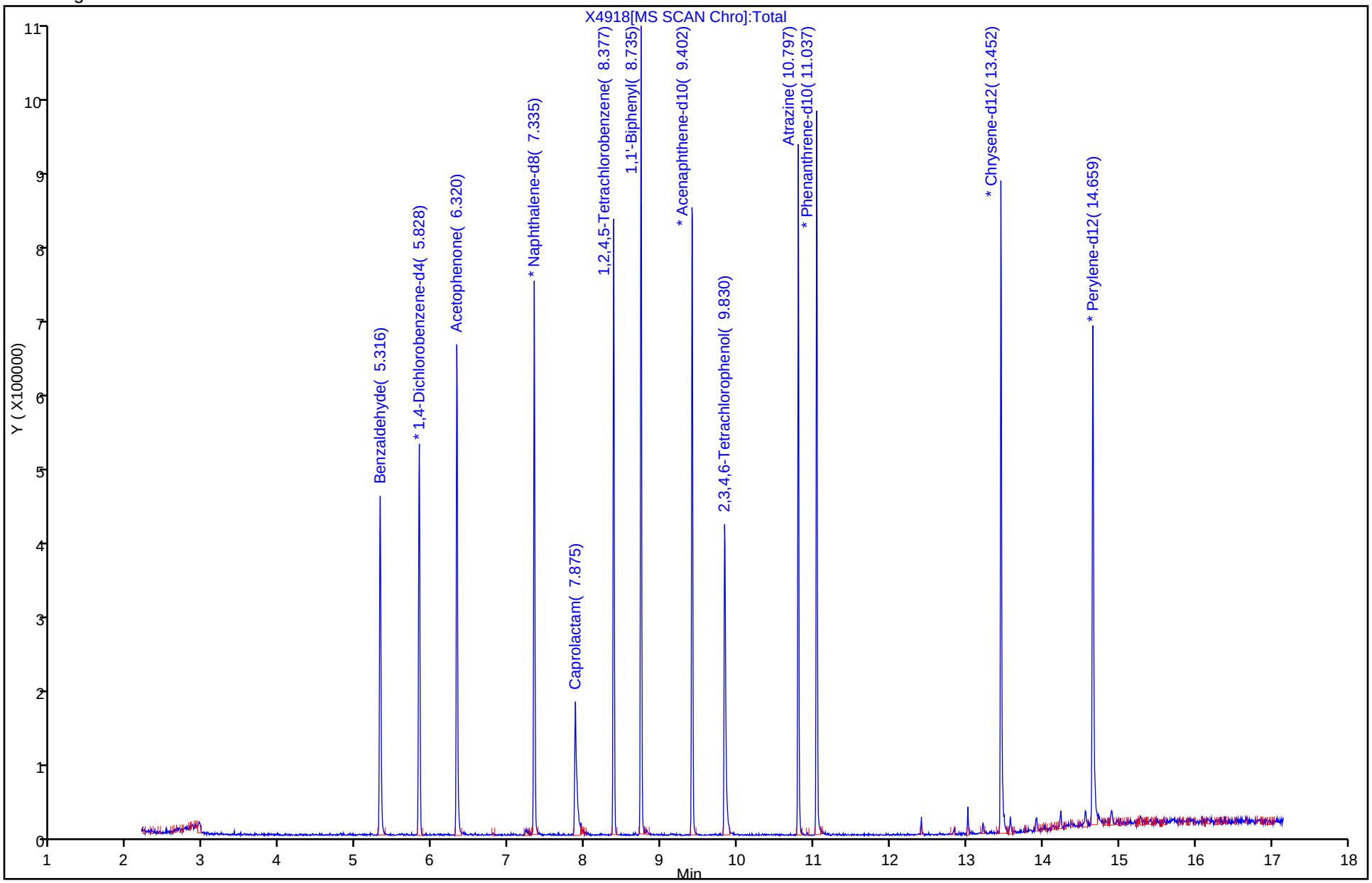
Data File:	\\Bufchrom\ChromData\HP5973X\20120405-10764.b\X4918.D		
Lims ID:	CCV TCLADDS	Client ID:	
Inject. Date:	06-Apr-2012 00:43:30	Dil. Factor:	1.0000
Sample Type:	CCV		
Sample ID:	480-0010764-003		
Misc. Info.:			
Operator:	RMM	Instrument ID:	HP5973X
Vol. Injected:	1.0000	ALS Bottle#:	35
Lims Batch ID:	58387	Lims Sample ID:	3
Sublist:	chrom-X-8270*sub4		
Detector:	MS SCAN		
Method:	\\Bufchrom\ChromData\HP5973X\20120405-10764.b\X-8270.m		
Last Update:	06-Apr-2012 09:51:20	Calib Date:	03-Apr-2012 15:26:30
Quant Method:	Internal Standard	Quant By:	Initial Calibration
Last ICal File:	\\Bufchrom\ChromData\HP5973X\20120403-10684.b\X4785.D		
Limit Group:	MB - 8270C ICAL		
Integrator:	RTE	ID Type:	Deconvolution ID
Process Host:	CORP-CTX-19		
First Level Reviewer: mckernar		Date:	06-Apr-2012 09:51:20

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ng/uL	Flags
* 1 1,4-Dichlorobenzene-d4	152	5.828	5.828	0.0	95	81757	40.0	
* 2 Naphthalene-d8	136	7.335	7.335	0.0	93	326092	40.0	
* 3 Acenaphthene-d10	164	9.402	9.402	0.0	56	216837	40.0	
* 4 Phenanthrene-d10	188	11.037	11.037	0.0	99	350721	40.0	
* 5 Chrysene-d12	240	13.452	13.452	0.0	99	347145	40.0	
* 6 Perylene-d12	264	14.659	14.659	0.0	98	349419	40.0	
62 Benzaldehyde	77	5.316	5.316	0.0	94	123376	56.8	
76 Acetophenone	105	6.320	6.320	0.0	96	212332	55.6	
105 Caprolactam	113	7.875	7.875	0.0	84	26240	35.5	
117 1,2,4,5-Tetrachlorobenzene	216	8.377	8.377	0.0	94	130803	51.2	
123 1,1'-Biphenyl	154	8.735	8.735	0.0	99	349221	48.6	
140 2,3,4,6-Tetrachlorophenol	232	9.830	9.830	0.0	90	70882	52.4	
163 Atrazine	200	10.797	10.797	0.0	92	102261	62.5	

Report Date: 06-Apr-2012 09:51:21 Chrom Revision: 2.0 20-Feb-2012 13:27:02

Data File:	\\Bufchrom\ChromData\HP5973X\20120405-10764.b\X4918.D		
Injection Date:	06-Apr-2012 00:43:30	Limit Group:	MB - 8270C ICAL
Client ID:		Instrument ID:	HP5973X
Lims Batch ID:	58387	Lims Sample ID:	3
Operator ID:	RMM	Injection Vol:	1.00 ul
Column Type:	RXI-5Sil MS	Column Dia:	0.25 mm

Y Scaling:



FORM VII
GC/MS SEMI VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Buffalo Job No.: 480-18068-1

SDG No.:

Lab Sample ID: CCVIS 480-58507/2 Calibration Date: 04/06/2012 15:09

Instrument ID: HP5973X Calib Start Date: 04/03/2012 13:29

GC Column: RXI-5Sil MS ID: 0.25(mm) Calib End Date: 04/03/2012 15:26

Lab File ID: X4952.D Conc. Units: ug/L

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
N-Nitrosodimethylamine	Ave	0.7653	1.033	0.0100	67500	50000	35.0*	25.0
Pyridine	Ave	0.7284	0.8795	0.0100	60400	50000	20.7	100.0
Aniline	Ave	2.279	2.345	0.0100	51400	50000	2.9	100.0
Phenol	Ave	1.962	2.015	0.0100	51300	50000	2.7	20.0
Bis(2-chloroethyl)ether	Ave	1.356	1.419	0.0100	52300	50000	4.6	25.0
2-Chlorophenol	Ave	1.300	1.344	0.0100	51700	50000	3.4	25.0
1,3-Dichlorobenzene	Ave	1.508	1.527	0.0100	50600	50000	1.3	25.0
1,4-Dichlorobenzene	Ave	1.532	1.650	0.0100	53800	50000	7.7	20.0
1,2-Dichlorobenzene	Ave	1.481	1.526	0.0100	51500	50000	3.0	25.0
Benzyl alcohol	Ave	0.9266	0.9808	0.0100	52900	50000	5.9	100.0
bis (2-chloroisopropyl) ether	Ave	1.187	1.296	0.0100	54600	50000	9.1	25.0
2-Methylphenol	Ave	1.301	1.331	0.0100	51200	50000	2.4	25.0
N-Nitrosodi-n-propylamine	Ave	1.178	1.284	0.0500	54500	50000	9.0	25.0
4-Methylphenol	Ave	1.297	1.394	0.0100	53700	50000	7.5	25.0
Hexachloroethane	Ave	0.6203	0.6724	0.0100	54200	50000	8.4	25.0
Nitrobenzene	Ave	0.4644	0.5222	0.0100	56200	50000	12.4	25.0
Isophorone	Ave	0.8153	0.9085	0.0100	55700	50000	11.4	25.0
2-Nitrophenol	Ave	0.1880	0.1989	0.0100	52900	50000	5.8	20.0
Tetraethyl lead	Ave	0.1766	0.1780	0.0100	50400	50000	0.8	40.0
2,4-Dimethylphenol	Ave	0.4414	0.4606	0.0100	52200	50000	4.3	25.0
Bis(2-chloroethoxy)methane	Ave	0.4248	0.4405	0.0100	51800	50000	3.7	25.0
2,4-Dichlorophenol	Ave	0.3138	0.3087	0.0100	49200	50000	-1.6	20.0
Benzoic acid	Lin1		0.3156	0.0100	151000	150000	0.6	25.0
1,2,4-Trichlorobenzene	Ave	0.3345	0.3324	0.0100	49700	50000	-0.6	25.0
Naphthalene	Ave	0.9719	1.009	0.0100	51900	50000	3.9	25.0
4-Chloroaniline	Ave	0.4009	0.4026	0.0100	50200	50000	0.4	25.0
Hexachlorobutadiene	Ave	0.2213	0.2347	0.0100	53000	50000	6.1	20.0
4-Chloro-3-methylphenol	Ave	0.3809	0.4087	0.0100	53700	50000	7.3	20.0
2-Methylnaphthalene	Ave	0.7071	0.6928	0.0100	49000	50000	-2.0	25.0
Hexachlorocyclopentadiene	Lin1		0.3021	0.0500	49500	50000	-1.0	25.0
2,4,6-Trichlorophenol	Ave	0.3484	0.3442	0.0100	49400	50000	-1.2	20.0
2,4,5-Trichlorophenol	Ave	0.3390	0.3702	0.0100	54600	50000	9.2	25.0
2-Chloronaphthalene	Ave	0.998	1.027	0.0100	51500	50000	3.0	25.0
2-Nitroaniline	Ave	0.3707	0.4231	0.0100	57100	50000	14.1	25.0
Dimethyl phthalate	Ave	1.231	1.299	0.0100	52800	50000	5.5	25.0
2,6-Dinitrotoluene	Ave	0.2741	0.2842	0.0100	51800	50000	3.7	25.0
Acenaphthylene	Ave	1.617	1.628	0.0100	50300	50000	0.7	25.0
3-Nitroaniline	Ave	0.2788	0.3057	0.0100	54800	50000	9.6	25.0
Acenaphthene	Ave	0.9791	0.999	0.0100	51000	50000	2.1	20.0
2,4-Dinitrophenol	Lin1		0.1543	0.0500	50100	50000	0.2	25.0

FORM VII
GC/MS SEMI VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Buffalo Job No.: 480-18068-1

SDG No.:

Lab Sample ID: CCVIS 480-58507/2 Calibration Date: 04/06/2012 15:09

Instrument ID: HP5973X Calib Start Date: 04/03/2012 13:29

GC Column: RXI-5Sil MS ID: 0.25(mm) Calib End Date: 04/03/2012 15:26

Lab File ID: X4952.D Conc. Units: ug/L

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Dibenzofuran	Ave	1.468	1.498	0.0100	51000	50000	2.0	25.0
2,4-Dinitrotoluene	Ave	0.3779	0.3988	0.0100	52800	50000	5.6	25.0
4-Nitrophenol	Ave	0.2348	0.2521	0.0500	53700	50000	7.3	25.0
Diethyl phthalate	Ave	1.303	1.397	0.0100	53600	50000	7.2	25.0
Fluorene	Ave	1.252	1.317	0.0100	52600	50000	5.3	25.0
4-Chlorophenyl phenyl ether	Ave	0.6624	0.6711	0.0100	50700	50000	1.3	25.0
4-Nitroaniline	Ave	0.2757	0.3058	0.0100	55500	50000	10.9	25.0
4,6-Dinitro-2-methylphenol	Ave	0.1360	0.1498	0.0100	55100	50000	10.1	25.0
N-Nitrosodiphenylamine	Ave	0.5253	0.5560	0.0100	52900	50000	5.9	20.0
1,2-Diphenylhydrazine	Ave	1.447	1.684	0.0100	58200	50000	16.4	25.0
4-Bromophenyl phenyl ether	Ave	0.2220	0.2269	0.0100	51100	50000	2.2	25.0
Hexachlorobenzene	Ave	0.2391	0.2542	0.0100	53100	50000	6.3	25.0
Pentachlorophenol	Lin1		0.1174	0.0100	46400	50000	-7.2	20.0
Phenanthrene	Ave	1.062	1.070	0.0100	50400	50000	0.7	25.0
Anthracene	Ave	1.055	1.072	0.0100	50800	50000	1.6	25.0
Carbazole	Ave	0.9340	0.9504	0.0100	50900	50000	1.8	25.0
Di-n-butyl phthalate	Ave	1.215	1.291	0.0100	53100	50000	6.3	25.0
Fluoranthene	Ave	1.104	1.112	0.0100	50400	50000	0.7	20.0
Benzidine	Qua		0.5239	0.0100	38200	50000	-23.6	25.0
Pyrene	Lin1		1.217	0.0100	55600	50000	11.2	25.0
3,3'-Dimethylbenzidine	Ave	0.6230	0.4855	0.0100	39000	50000	-22.1	100.0
Butyl benzyl phthalate	Ave	0.5954	0.6359	0.0100	53400	50000	6.8	25.0
3,3'-Dichlorobenzidine	Ave	0.4533	0.4883	0.0100	53900	50000	7.7	25.0
Benzo(a)anthracene	Ave	1.108	1.168	0.0100	52700	50000	5.4	25.0
Bis(2-ethylhexyl) phthalate	Ave	0.8117	0.8808	0.0100	54300	50000	8.5	25.0
Chrysene	Ave	0.9947	1.013	0.0100	50900	50000	1.9	25.0
Di-n-octyl phthalate	Ave	1.225	1.344	0.0100	54800	50000	9.7	20.0
Benzo(b)fluoranthene	Ave	1.127	1.080	0.0100	47900	50000	-4.2	25.0
Benzo(k)fluoranthene	Ave	1.196	1.362	0.0100	56900	50000	13.9	25.0
Benzo(a)pyrene	Ave	0.9454	0.9659	0.0100	51100	50000	2.2	20.0
Indeno(1,2,3-cd)pyrene	Ave	1.205	1.202	0.0100	49900	50000	-0.3	25.0
Dibenz(a,h)anthracene	Ave	1.095	1.106	0.0100	50500	50000	1.0	25.0
Benzo(g,h,i)perylene	Ave	0.9904	0.9395	0.0100	47400	50000	-5.1	25.0
2-Fluorophenol	Ave	1.258	1.325	0.0100	52700	50000	5.3	25.0
Phenol-d5	Ave	1.741	1.829	0.0100	52500	50000	5.0	25.0
Nitrobenzene-d5	Ave	0.4886	0.5414	0.0100	55400	50000	10.8	25.0
2-Fluorobiphenyl	Ave	1.225	1.258	0.0100	51400	50000	2.7	25.0
2,4,6-Tribromophenol	Ave	0.1235	0.1312	0.0100	53100	50000	6.2	25.0
p-Terphenyl-d14	Lin1		0.9146	0.0100	54900	50000	9.8	25.0

TestAmerica Laboratories
Target Compound Quantitation Report

Data File: \\Bufchrom\ChromData\HP5973X\20120406-10792.b\X4952.D
Lims ID: CCVIS 8270 Client ID:
Inject. Date: 06-Apr-2012 15:09:30 Dil. Factor: 1.0000
Sample Type: CCVIS
Sample ID: 480-0010792-002
Misc. Info.:
Operator: RMM Instrument ID: HP5973X
Vol. Injected: 1.0000 ALS Bottle#: 3
Lims Batch ID: 58507 Lims Sample ID: 2
Sublist: chrom-X-8270*sub28
Detector: MS SCAN

Method: \\Bufchrom\ChromData\HP5973X\20120406-10792.b\X-8270.m
Last Update: 06-Apr-2012 15:38:36 Calib Date: 03-Apr-2012 15:26:30
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\Bufchrom\ChromData\HP5973X\20120403-10684.b\X4785.D
Limit Group: MB - 8270C ICAL
Integrator: RTE ID Type: Deconvolution ID
Process Host: CORP-CTX-19

First Level Reviewer: mckernar Date: 06-Apr-2012 15:38:36

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ng/uL	Flags
* 1 1,4-Dichlorobenzene-d4	152	5.805	5.805	0.0	95	81270	40.0	
* 2 Naphthalene-d8	136	7.322	7.322	0.0	85	305594	40.0	
* 3 Acenaphthene-d10	164	9.395	9.395	0.0	98	213096	40.0	
* 4 Phenanthrene-d10	188	11.013	11.013	0.0	99	358128	40.0	
* 5 Chrysene-d12	240	13.423	13.423	0.0	100	328194	40.0	
* 6 Perylene-d12	264	14.635	14.635	0.0	98	270363	40.0	
$ 7 2-Fluorophenol	112	4.239	4.239	0.0	94	134573	52.7	
$ 8 Phenol-d5	99	5.431	5.431	0.0	89	185783	52.5	
$ 9 Nitrobenzene-d5	82	6.478	6.478	0.0	94	206812	55.4	
$ 10 2-Fluorobiphenyl	172	8.615	8.615	0.0	98	335224	51.4	
$ 11 2,4,6-Tribromophenol	330	10.308	10.308	0.0	87	58713	53.1	
$ 12 p-Terphenyl-d14	244	12.509	12.509	0.0	99	375221	54.9	
55 N-Nitrosodimethylamine	42	2.599	2.599	0.0	93	104937	67.5	
56 Pyridine	52	2.653	2.653	0.0	87	89346	60.4	M
64 Aniline	93	5.420	5.420	0.0	97	238194	51.4	
63 Phenol	94	5.447	5.447	0.0	88	204660	51.3	
66 Bis(2-chloroethyl)ether	93	5.505	5.505	0.0	82	144124	52.3	
67 2-Chlorophenol	128	5.564	5.564	0.0	95	136500	51.7	
69 1,3-Dichlorobenzene	146	5.730	5.730	0.0	93	155162	50.6	
70 1,4-Dichlorobenzene	146	5.821	5.821	0.0	90	167598	53.8	
72 1,2-Dichlorobenzene	146	6.002	6.002	0.0	89	155062	51.5	
71 Benzyl alcohol	108	6.002	6.002	0.0	95	99639	52.9	
74 2,2'-oxybis[1-chloropropane]	45	6.157	6.157	0.0	71	131659	54.6	
73 2-Methylphenol	108	6.163	6.163	0.0	90	135225	51.2	
78 N-Nitrosodi-n-propylamine	70	6.312	6.312	0.0	89	130478	54.5	
79 4-Methylphenol	108	6.355	6.355	0.0	95	141597	53.7	
81 Hexachloroethane	117	6.398	6.398	0.0	92	68303	54.2	
83 Nitrobenzene	77	6.499	6.499	0.0	93	199457	56.2	
86 Isophorone	82	6.793	6.793	0.0	98	347035	55.7	
87 2-Nitrophenol	139	6.878	6.878	0.0	90	75995	52.9	

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ng/uL	Flags
90 Tetraethyl lead	237	6.975	6.975	0.0	53	68001	50.4	
89 2,4-Dimethylphenol	107	6.980	6.980	0.0	96	175953	52.2	
94 Bis(2-chloroethoxy)methane	93	7.065	7.065	0.0	100	168267	51.8	
97 2,4-Dichlorophenol	162	7.194	7.194	0.0	92	117933	49.2	
95 Benzoic acid	105	7.247	7.247	0.0	63	361614	150.9	
98 1,2,4-Trichlorobenzene	180	7.258	7.258	0.0	86	126974	49.7	
99 Naphthalene	128	7.343	7.343	0.0	98	385615	51.9	
101 4-Chloroaniline	127	7.445	7.445	0.0	93	153777	50.2	
104 Hexachlorobutadiene	225	7.498	7.498	0.0	94	89669	53.0	
110 4-Chloro-3-methylphenol	107	8.059	8.059	0.0	96	156129	53.7	
113 2-Methylnaphthalene	142	8.171	8.171	0.0	99	264661	49.0	
116 Hexachlorocyclopentadiene	237	8.353	8.353	0.0	82	80468	49.5	
118 2,4,6-Trichlorophenol	196	8.529	8.529	0.0	93	91670	49.4	
119 2,4,5-Trichlorophenol	196	8.599	8.599	0.0	96	98607	54.6	
124 2-Chloronaphthalene	162	8.743	8.743	0.0	98	273693	51.5	
125 2-Nitroaniline	65	8.903	8.903	0.0	93	112696	57.1	
128 Dimethyl phthalate	163	9.122	9.122	0.0	98	345992	52.8	
130 2,6-Dinitrotoluene	165	9.197	9.197	0.0	78	75693	51.8	
131 Acenaphthylene	152	9.229	9.229	0.0	97	433538	50.3	
132 3-Nitroaniline	138	9.400	9.400	0.0	92	81422	54.8	
133 Acenaphthene	153	9.432	9.432	0.0	97	266175	51.0	
134 2,4-Dinitrophenol	184	9.528	9.528	0.0	90	41105	50.1	
138 Dibenzofuran	168	9.640	9.640	0.0	99	399069	51.0	
137 2,4-Dinitrotoluene	165	9.672	9.672	0.0	92	106240	52.8	
135 4-Nitrophenol	109	9.683	9.683	0.0	94	67140	53.7	
142 Diethyl phthalate	149	9.950	9.950	0.0	98	372235	53.6	
144 Fluorene	166	10.036	10.036	0.0	98	350914	52.6	
145 4-Chlorophenyl phenyl ether	204	10.046	10.046	0.0	93	178760	50.7	
147 4-Nitroaniline	138	10.110	10.110	0.0	91	81462	55.5	
148 4,6-Dinitro-2-methylphenol	198	10.132	10.132	0.0	84	67060	55.1	
149 N-Nitrosodiphenylamine	169	10.185	10.185	0.0	99	248890	52.9	
152 1,2-Diphenylhydrazine	77	10.217	10.217	0.0	97	448444	58.2	
159 4-Bromophenyl phenyl ether	248	10.565	10.565	0.0	89	101565	51.1	
160 Hexachlorobenzene	284	10.618	10.618	0.0	97	113782	53.1	
165 Pentachlorophenol	266	10.848	10.848	0.0	91	52551	46.4	
171 Phenanthrene	178	11.035	11.035	0.0	99	479098	50.4	
172 Anthracene	178	11.088	11.088	0.0	99	479812	50.8	
173 Carbazole	167	11.270	11.270	0.0	99	425456	50.9	
176 Di-n-butyl phthalate	149	11.612	11.612	0.0	100	578076	53.1	
182 Fluoranthene	202	12.162	12.162	0.0	99	497823	50.4	
183 Benzidine	184	12.301	12.301	0.0	99	214923	38.2	
185 Pyrene	202	12.360	12.360	0.0	99	499103	55.6	
191 3,3'-Dimethylbenzidine	212	12.931	12.931	0.0	97	217321	39.0	
192 Butyl benzyl phthalate	149	12.937	12.937	0.0	93	260878	53.4	
196 3,3'-Dichlorobenzidine	252	13.396	13.396	0.0	56	200323	53.9	
197 Benzo[a]anthracene	228	13.412	13.412	0.0	91	479096	52.7	
198 Bis(2-ethylhexyl) phthalate	149	13.428	13.428	0.0	90	361322	54.3	
199 Chrysene	228	13.444	13.444	0.0	96	415660	50.9	
201 Di-n-octyl phthalate	149	13.968	13.968	0.0	99	551330	54.8	
203 Benzo[b]fluoranthene	252	14.315	14.315	0.0	99	364847	47.9	
204 Benzo[k]fluoranthene	252	14.336	14.336	0.0	95	460383	56.9	
206 Benzo[a]pyrene	252	14.587	14.587	0.0	99	326432	51.1	

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ng/uL	Flags
208 Indeno[1,2,3-cd]pyrene	276	15.634	15.634	0.0	84	406193	49.9	
209 Dibenz(a,h)anthracene	278	15.640	15.640	0.0	86	373715	50.5	
210 Benzo[g,h,i]perylene	276	15.917	15.917	0.0	98	317503	47.4	
S 214 3-Methylphenol	1				0		53.7	
S 213 Total Cresols	1				0		104.9	
S 212 3 & 4 Methylphenol	108				0		53.7	

QC Flag Legend

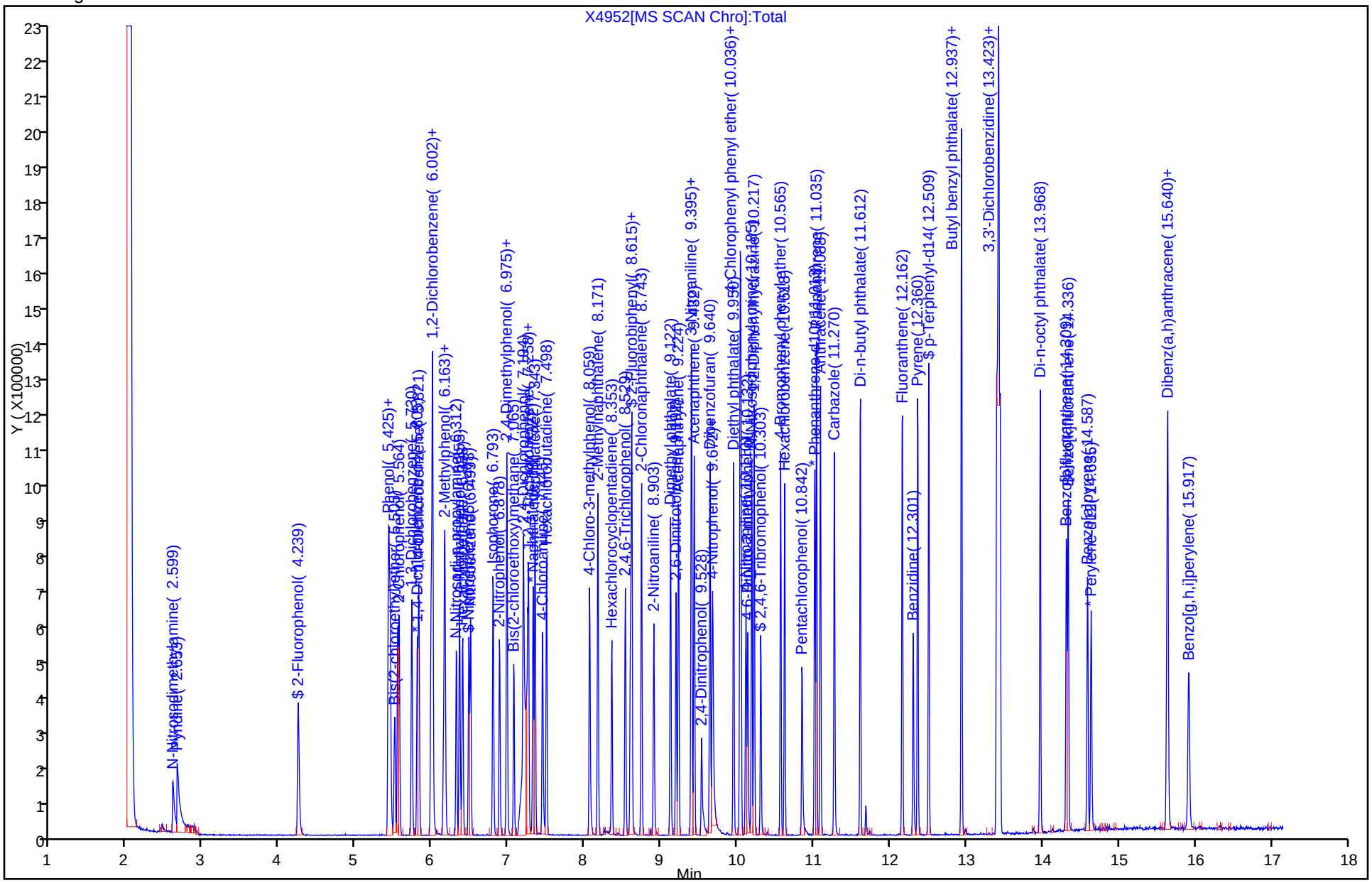
Review Flags
M - Manually Integrated

Report Date: 06-Apr-2012 15:38:36 Chrom Revision: 2.0 20-Feb-2012 13:27:02

Data File: \\Bufchrom\ChromData\HP5973X\20120406-10792.b\X4952.D

Injection Date:	06-Apr-2012 15:09:30	Limit Group:	MB - 8270C ICAL
Client ID:		Instrument ID:	HP5973X
Lims Batch ID:	58507	Lims Sample ID:	2
Operator ID:	RMM	Injection Vol:	1.00 ul
Column Type:	RXI-5Sil MS	Column Dia:	0.25 mm

Y Scaling:



Report Date: 06-Apr-2012 15:38:36 Chrom Revision: 2.0 20-Feb-2012 13:27:02

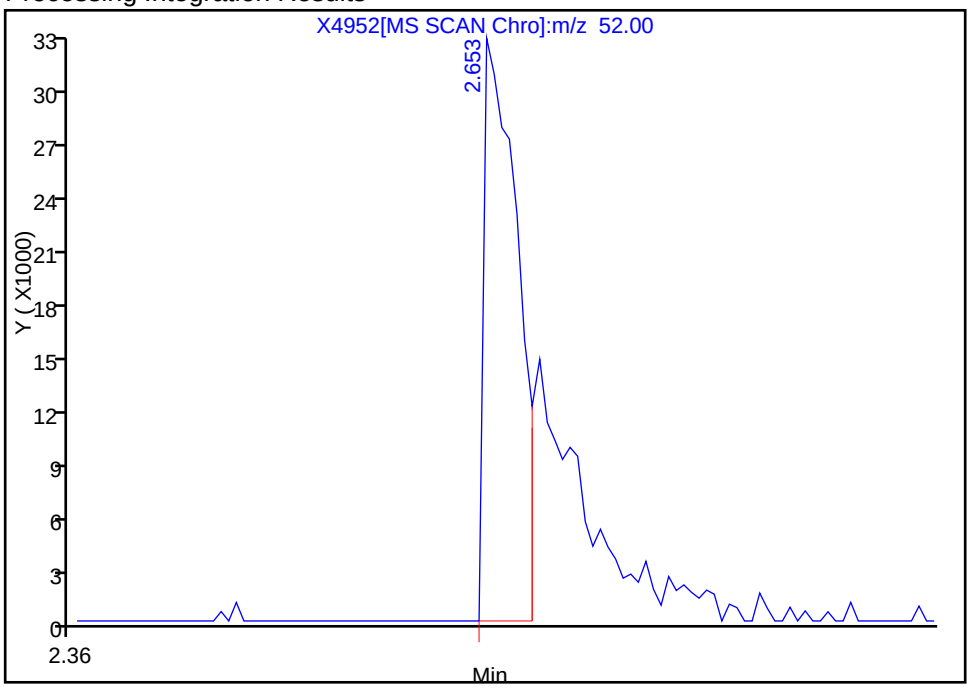
Manual Integration/User Assign Peak Report

Data File:	\\Bufchrom\ChromData\HP5973X\20120406-10792.b\X4952.D		
Injection Date:	06-Apr-2012 15:09:30	Limit Group:	MB - 8270C ICAL
Client ID:		Instrument ID:	HP5973X
Lims Batch ID:	58507	Lims Sample ID:	2
Operator ID:	RMM	Injection Vol:	1.00 ul
Column Type:	RXI-5Sil MS	Column Dia:	0.25 mm

56 Pyridine, Signal: 1, m/z: 52.0 Type: quant, RT: 2.65

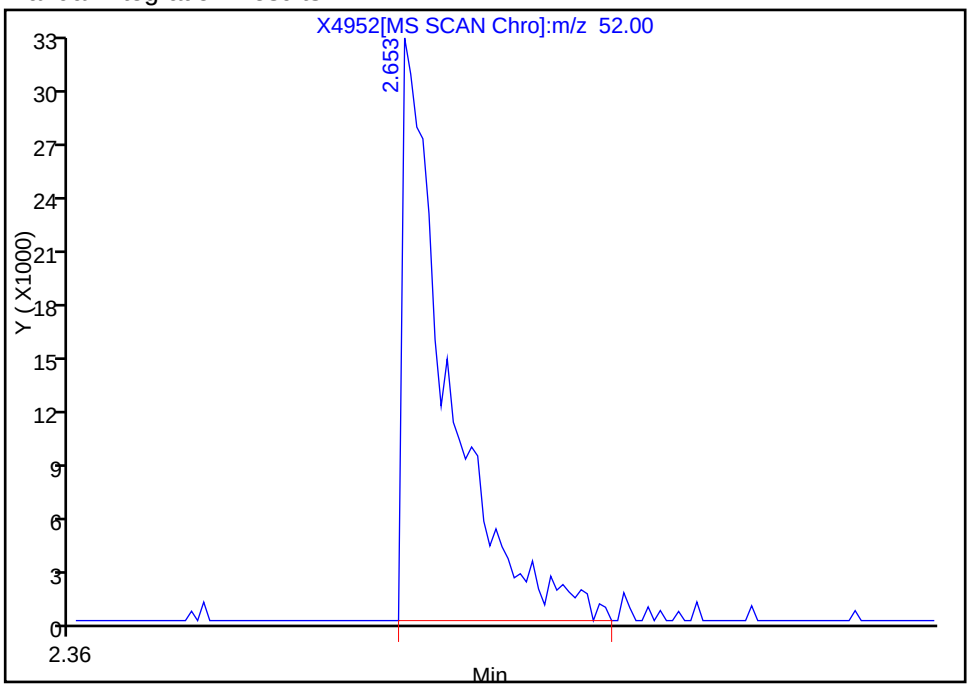
Processing Integration Results

RT: 2.65
Response: 53366
Amount: 36.058239



Manual Integration Results

RT: 2.65
Response: 89346
Amount: 60.369139



Reviewer: mckernar, 06-Apr-2012 15:38:36
Audit Action: Manually Integrated
Audit Reason: Split Peak

FORM VII
GC/MS SEMI VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Buffalo Job No.: 480-18068-1

SDG No.:

Lab Sample ID: CCV 480-58507/3 Calibration Date: 04/06/2012 15:33

Instrument ID: HP5973X Calib Start Date: 03/01/2012 14:12

GC Column: RXI-5Sil MS ID: 0.25(mm) Calib End Date: 03/01/2012 16:13

Lab File ID: X4953.D Conc. Units: ug/L

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Benzaldehyde	Ave	1.063	1.205	0.0100	56700	50000	13.4	40.0
Acetophenone	Ave	1.870	2.092	0.0100	55900	50000	11.9	40.0
Caprolactam	Lin1		0.1054	0.0100	56100	50000	12.2	40.0
1,2,4,5-Tetrachlorobenzene	Ave	0.4710	0.5160	0.0100	54800	50000	9.6	40.0
Biphenyl	Ave	1.326	1.386	0.0100	52300	50000	4.5	40.0
2,3,4,6-Tetrachlorophenol	Ave	0.2494	0.2621	0.0100	52500	50000	5.1	40.0
Atrazine	Ave	0.3017	0.4166	0.0100	69000	50000	38.1*	25.0

TestAmerica Laboratories
Target Compound Quantitation Report

Data File:	\\Bufchrom\ChromData\HP5973X\20120406-10792.b\X4953.D		
Lims ID:	CCV TCLADDS	Client ID:	
Inject. Date:	06-Apr-2012 15:33:30	Dil. Factor:	1.0000
Sample Type:	CCV		
Sample ID:	480-0010792-003		
Misc. Info.:			
Operator:	RMM	Instrument ID:	HP5973X
Vol. Injected:	1.0000	ALS Bottle#:	4
Lims Batch ID:	58507	Lims Sample ID:	3
Sublist:	chrom-X-8270*sub4		
Detector:	MS SCAN		
Method:	\\Bufchrom\ChromData\HP5973X\20120406-10792.b\X-8270.m		
Last Update:	06-Apr-2012 15:53:01	Calib Date:	03-Apr-2012 15:26:30
Quant Method:	Internal Standard	Quant By:	Initial Calibration
Last ICal File:	\\Bufchrom\ChromData\HP5973X\20120403-10684.b\X4785.D		
Limit Group:	MB - 8270C ICAL		
Integrator:	RTE	ID Type:	Deconvolution ID
Process Host:	CORP-CTX-19		
First Level Reviewer: mckernar		Date:	06-Apr-2012 15:53:01

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ng/uL	Flags
* 1 1,4-Dichlorobenzene-d4	152	5.810	5.810	0.0	94	59145	40.0	
* 2 Naphthalene-d8	136	7.322	7.322	0.0	92	224726	40.0	
* 3 Acenaphthene-d10	164	9.400	9.400	0.0	55	149189	40.0	
* 4 Phenanthrene-d10	188	11.024	11.024	0.0	99	263069	40.0	
* 5 Chrysene-d12	240	13.417	13.417	0.0	99	244628	40.0	
* 6 Perylene-d12	264	14.614	14.614	0.0	98	204510	40.0	
62 Benzaldehyde	77	5.286	5.286	0.0	92	89083	56.7	
76 Acetophenone	105	6.307	6.307	0.0	97	154637	55.9	
105 Caprolactam	113	7.872	7.872	0.0	84	29612	56.1	M
117 1,2,4,5-Tetrachlorobenzene	216	8.374	8.374	0.0	93	96225	54.8	
123 1,1'-Biphenyl	154	8.732	8.732	0.0	99	258422	52.3	
140 2,3,4,6-Tetrachlorophenol	232	9.822	9.822	0.0	86	48876	52.5	
163 Atrazine	200	10.784	10.784	0.0	93	77687	69.0	

QC Flag Legend

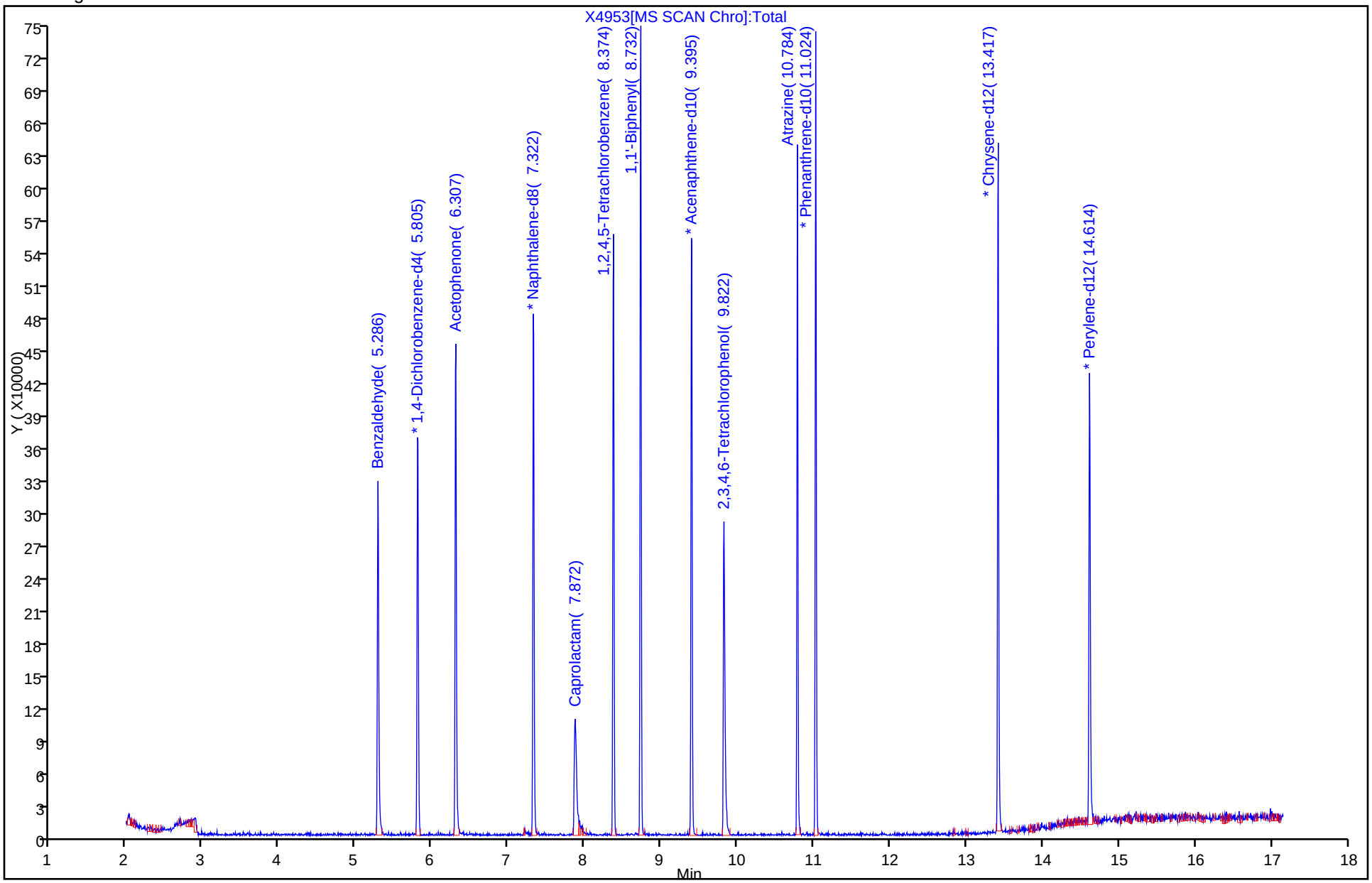
Review Flags
M - Manually Integrated

Report Date: 06-Apr-2012 15:53:02 Chrom Revision: 2.0 20-Feb-2012 13:27:02

Data File: \\Bufchrom\ChromData\HP5973X\20120406-10792.b\X4953.D

Injection Date:	06-Apr-2012 15:33:30	Limit Group:	MB - 8270C ICAL
Client ID:		Instrument ID:	HP5973X
Lims Batch ID:	58507	Lims Sample ID:	3
Operator ID:	RMM	Injection Vol:	1.00 ul
Column Type:	RXI-5Sil MS	Column Dia:	0.25 mm

Y Scaling:



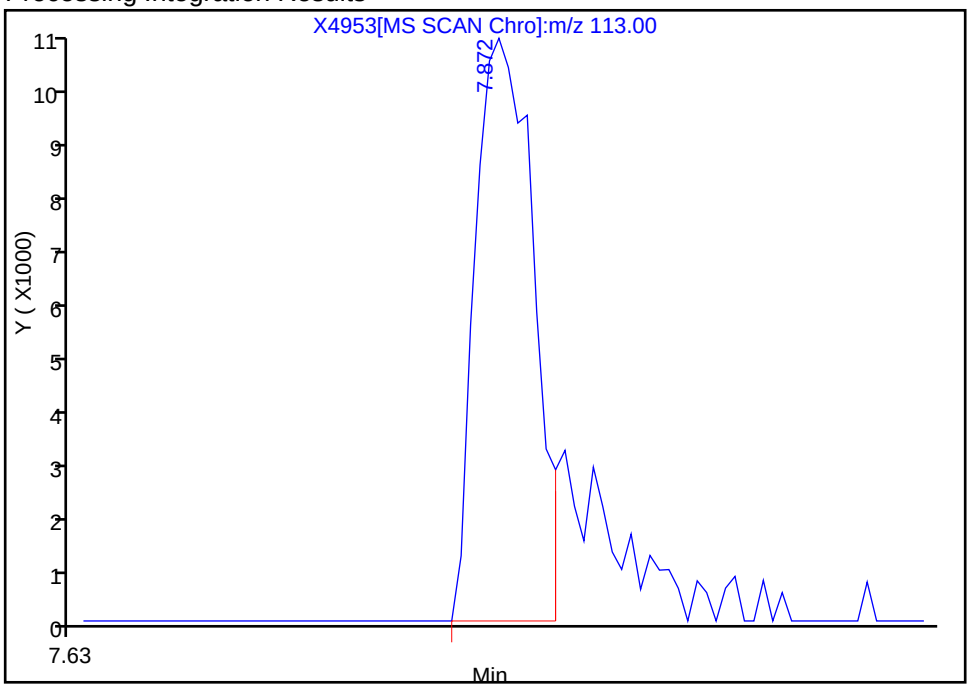
Manual Integration/User Assign Peak Report

Data File:	\\Bufchrom\ChromData\HP5973X\20120406-10792.b\X4953.D		
Injection Date:	06-Apr-2012 15:33:30	Limit Group:	MB - 8270C ICAL
Client ID:		Instrument ID:	HP5973X
Lims Batch ID:	58507	Lims Sample ID:	3
Operator ID:	RMM	Injection Vol:	1.00 ul
Column Type:	RXI-5Sil MS	Column Dia:	0.25 mm

105 Caprolactam, Signal: 1, m/z: 113.0 Type: quant, RT: 7.87

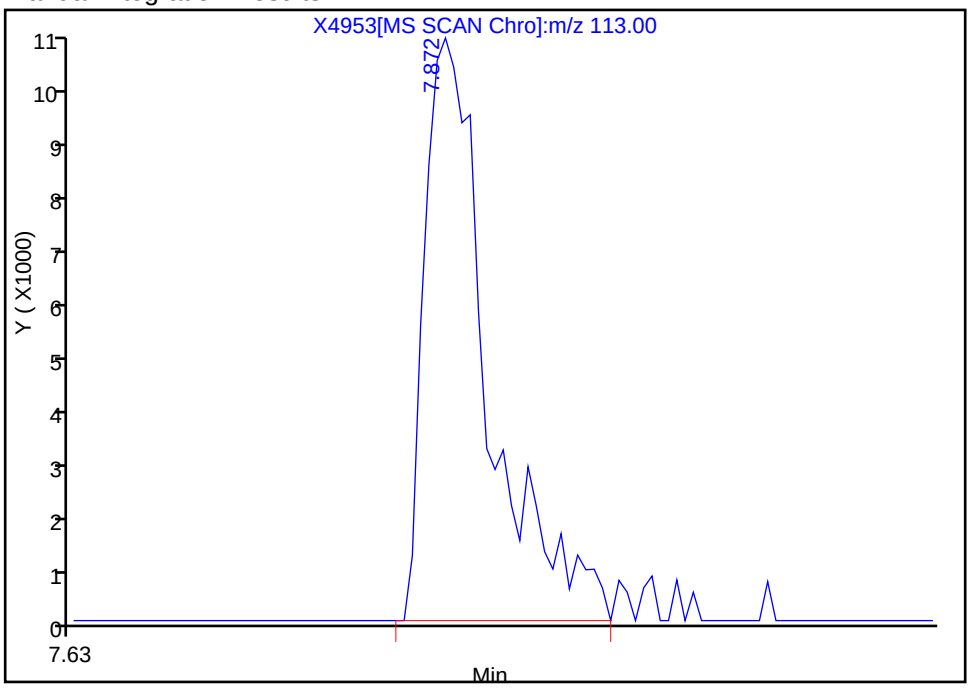
Processing Integration Results

RT: 7.87
Response: 23528
Amount: 45.210698



Manual Integration Results

RT: 7.87
Response: 29612
Amount: 56.106010



Reviewer: mckernar, 06-Apr-2012 15:53:01
Audit Action: Manually Integrated
Audit Reason: Split Peak

FORM VII
GC/MS SEMI VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Buffalo Job No.: 480-18068-1

SDG No.:

Lab Sample ID: CCVIS 480-58786/2 Calibration Date: 04/09/2012 17:04

Instrument ID: HP5973X Calib Start Date: 04/09/2012 11:15

GC Column: RXI-5Sil MS ID: 0.25(mm) Calib End Date: 04/09/2012 13:17

Lab File ID: X5089.D Conc. Units: ug/L

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
N-Nitrosodimethylamine	Ave	0.9170	0.9588	0.0100	52300	50000	4.6	25.0
Pyridine	Ave	1.423	1.561	0.0100	54800	50000	9.7	100.0
Phenol	Ave	1.912	2.065	0.0100	54000	50000	8.0	20.0
Aniline	Ave	2.619	2.621	0.0100	50000	50000	0.0	100.0
Bis(2-chloroethyl)ether	Ave	1.653	1.746	0.0100	52800	50000	5.6	25.0
2-Chlorophenol	Ave	1.360	1.432	0.0100	52600	50000	5.3	25.0
1,3-Dichlorobenzene	Ave	1.416	1.491	0.0100	52700	50000	5.3	25.0
1,4-Dichlorobenzene	Ave	1.422	1.510	0.0100	53100	50000	6.1	20.0
Benzyl alcohol	Ave	0.9041	0.9763	0.0100	54000	50000	8.0	100.0
1,2-Dichlorobenzene	Ave	1.326	1.354	0.0100	51100	50000	2.1	25.0
2-Methylphenol	Ave	1.271	1.321	0.0100	51900	50000	3.9	25.0
bis (2-chloroisopropyl) ether	Ave	2.103	2.268	0.0100	53900	50000	7.8	25.0
4-Methylphenol	Ave	1.276	1.354	0.0100	53100	50000	6.1	25.0
N-Nitrosodi-n-propylamine	Ave	1.138	1.204	0.0500	52900	50000	5.8	25.0
Hexachloroethane	Ave	0.6114	0.6310	0.0100	51600	50000	3.2	25.0
Nitrobenzene	Ave	0.4823	0.4975	0.0100	51600	50000	3.2	25.0
Isophorone	Ave	0.8135	0.8550	0.0100	52600	50000	5.1	25.0
2-Nitrophenol	Lin1		0.1742	0.0100	52400	50000	4.8	20.0
2,4-Dimethylphenol	Ave	0.3933	0.4040	0.0100	51400	50000	2.7	25.0
Tetraethyl lead	Qua		0.1430	0.0100	43100	50000	-13.8	40.0
Bis(2-chloroethoxy)methane	Ave	0.4956	0.5101	0.0100	51500	50000	2.9	25.0
Benzoic acid	Ave	0.3087	0.3099	0.0100	151000	150000	0.4	25.0
2,4-Dichlorophenol	Ave	0.2847	0.2987	0.0100	52500	50000	4.9	20.0
1,2,4-Trichlorobenzene	Ave	0.3168	0.3225	0.0100	50900	50000	1.8	25.0
Naphthalene	Ave	0.9802	0.998	0.0100	50900	50000	1.8	25.0
4-Chloroaniline	Ave	0.4194	0.4349	0.0100	51900	50000	3.7	25.0
Hexachlorobutadiene	Ave	0.2122	0.2143	0.0100	50500	50000	1.0	20.0
4-Chloro-3-methylphenol	Qua		0.3457	0.0100	51000	50000	2.0	20.0
2-Methylnaphthalene	Ave	0.6050	0.6288	0.0100	52000	50000	3.9	25.0
Hexachlorocyclopentadiene	Ave	0.3874	0.4002	0.0500	51700	50000	3.3	25.0
2,4,6-Trichlorophenol	Ave	0.3554	0.3747	0.0100	52700	50000	5.4	20.0
2,4,5-Trichlorophenol	Ave	0.3771	0.4103	0.0100	54400	50000	8.8	25.0
2-Chloronaphthalene	Ave	1.055	1.078	0.0100	51100	50000	2.2	25.0
2-Nitroaniline	Ave	0.4003	0.4398	0.0100	54900	50000	9.9	25.0
Dimethyl phthalate	Ave	1.246	1.281	0.0100	51400	50000	2.8	25.0
2,6-Dinitrotoluene	Ave	0.2475	0.2752	0.0100	55600	50000	11.2	25.0
Acenaphthylene	Ave	1.750	1.819	0.0100	52000	50000	3.9	25.0
3-Nitroaniline	Ave	0.3021	0.3269	0.0100	54100	50000	8.2	25.0
Acenaphthene	Ave	1.059	1.087	0.0100	51300	50000	2.6	20.0
2,4-Dinitrophenol	Lin1		0.1053	0.0500	47100	50000	-5.8	25.0

FORM VII
GC/MS SEMI VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Buffalo Job No.: 480-18068-1

SDG No.:

Lab Sample ID: CCVIS 480-58786/2 Calibration Date: 04/09/2012 17:04

Instrument ID: HP5973X Calib Start Date: 04/09/2012 11:15

GC Column: RXI-5Sil MS ID: 0.25(mm) Calib End Date: 04/09/2012 13:17

Lab File ID: X5089.D Conc. Units: ug/L

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
4-Nitrophenol	Ave	0.2127	0.2213	0.0500	52000	50000	4.0	25.0
Dibenzofuran	Ave	1.533	1.568	0.0100	51100	50000	2.3	25.0
2,4-Dinitrotoluene	Ave	0.3322	0.3595	0.0100	54100	50000	8.2	25.0
Diethyl phthalate	Ave	1.285	1.364	0.0100	53100	50000	6.1	25.0
Fluorene	Ave	1.261	1.300	0.0100	51600	50000	3.1	25.0
4-Chlorophenyl phenyl ether	Ave	0.6563	0.6743	0.0100	51400	50000	2.7	25.0
4-Nitroaniline	Ave	0.2981	0.3234	0.0100	54200	50000	8.5	25.0
4,6-Dinitro-2-methylphenol	Lin1		0.0952	0.0100	51200	50000	2.4	25.0
N-Nitrosodiphenylamine	Ave	0.4951	0.5122	0.0100	51700	50000	3.4	20.0
1,2-Diphenylhydrazine	Ave	1.597	1.670	0.0100	52300	50000	4.6	25.0
4-Bromophenyl phenyl ether	Ave	0.1955	0.2012	0.0100	51500	50000	2.9	25.0
Hexachlorobenzene	Ave	0.2096	0.2188	0.0100	52200	50000	4.4	25.0
Pentachlorophenol	Lin1		0.1177	0.0100	51700	50000	3.4	20.0
Phenanthrene	Ave	0.9748	1.012	0.0100	51900	50000	3.8	25.0
Anthracene	Ave	0.9831	1.029	0.0100	52300	50000	4.6	25.0
Carbazole	Ave	0.9560	0.9816	0.0100	51300	50000	2.7	25.0
Di-n-butyl phthalate	Ave	1.151	1.234	0.0100	53600	50000	7.2	25.0
Fluoranthene	Ave	1.155	1.201	0.0100	52000	50000	3.9	20.0
Benzidine	Ave	0.6423	0.5563	0.0100	43300	50000	-13.4	25.0
Pyrene	Ave	1.266	1.348	0.0100	53300	50000	6.5	25.0
3,3'-Dimethylbenzidine	Ave	0.5551	0.4606	0.0100	41500	50000	-17.0	100.0
Butyl benzyl phthalate	Ave	0.5565	0.6216	0.0100	55900	50000	11.7	25.0
3,3'-Dichlorobenzidine	Ave	0.4369	0.4714	0.0100	53900	50000	7.9	25.0
Benzo(a)anthracene	Ave	1.193	1.262	0.0100	52900	50000	5.8	25.0
Bis(2-ethylhexyl) phthalate	Ave	0.7398	0.8275	0.0100	55900	50000	11.9	25.0
Chrysene	Ave	1.199	1.228	0.0100	51200	50000	2.4	25.0
Di-n-octyl phthalate	Lin1		1.533	0.0100	54700	50000	9.4	20.0
Benzo(b)fluoranthene	Ave	1.068	1.055	0.0100	49400	50000	-1.2	25.0
Benzo(k)fluoranthene	Ave	1.133	1.236	0.0100	54500	50000	9.0	25.0
Benzo(a)pyrene	Ave	0.9446	0.997	0.0100	52800	50000	5.5	20.0
Indeno(1,2,3-cd)pyrene	Ave	1.052	1.079	0.0100	51300	50000	2.5	25.0
Dibenz(a,h)anthracene	Ave	0.9340	0.9624	0.0100	51500	50000	3.0	25.0
Benzo(g,h,i)perylene	Ave	0.8880	0.9127	0.0100	51400	50000	2.8	25.0
2-Fluorophenol	Ave	1.583	1.705	0.0100	53900	50000	7.8	25.0
Phenol-d5	Ave	1.878	1.998	0.0100	53200	50000	6.3	25.0
Nitrobenzene-d5	Ave	0.4535	0.4720	0.0100	52000	50000	4.1	25.0
2-Fluorobiphenyl	Ave	1.293	1.312	0.0100	50700	50000	1.4	25.0
2,4,6-Tribromophenol	Lin1		0.0886	0.0100	52600	50000	5.2	25.0
p-Terphenyl-d14	Ave	0.8457	0.9026	0.0100	53400	50000	6.7	25.0

TestAmerica Laboratories
Target Compound Quantitation Report

Data File: \\Bufchrom\ChromData\HP5973X\20120409-10842.b\X5089.D
Lims ID: CCVIS 8270 Client ID:
Inject. Date: 09-Apr-2012 17:04:30 Dil. Factor: 1.0000
Sample Type: CCVIS
Sample ID: 480-0010842-002
Misc. Info.:
Operator: RMM Instrument ID: HP5973X
Vol. Injected: 1.0000 ALS Bottle#: 2
Lims Batch ID: 58786 Lims Sample ID: 2
Sublist: chrom-X-8270*sub28
Detector: MS SCAN

Method: \\Bufchrom\ChromData\HP5973X\20120409-10842.b\X-8270.m
Last Update: 10-Apr-2012 10:29:31 Calib Date: 09-Apr-2012 15:39:30
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\Bufchrom\ChromData\HP5973X\20120409-10830.b\X5085.D
Limit Group: MB - 8270C ICAL
Integrator: RTE ID Type: Deconvolution ID
Process Host: CORP-CTX-19

First Level Reviewer: mckernar Date: 10-Apr-2012 10:29:31

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ng/uL	Flags
* 1 1,4-Dichlorobenzene-d4	152	6.040	6.040	0.0	97	106308	40.0	
* 2 Naphthalene-d8	136	7.546	7.546	0.0	93	386807	40.0	
* 3 Acenaphthene-d10	164	9.609	9.609	0.0	34	214847	40.0	
* 4 Phenanthrene-d10	188	11.217	11.217	0.0	99	383977	40.0	
* 5 Chrysene-d12	240	13.626	13.626	0.0	97	355847	40.0	
* 6 Perylene-d12	264	14.871	14.871	0.0	99	406076	40.0	
$ 7 2-Fluorophenol	112	4.475	4.475	0.0	96	226616	53.9	
$ 8 Phenol-d5	99	5.602	5.602	0.0	92	265462	53.2	
$ 9 Nitrobenzene-d5	82	6.697	6.697	0.0	96	228234	52.0	
$ 10 2-Fluorobiphenyl	172	8.823	8.823	0.0	99	352279	50.7	
$ 11 2,4,6-Tribromophenol	330	10.501	10.501	0.0	76	42528	52.6	
$ 12 p-Terphenyl-d14	244	12.707	12.707	0.0	98	401495	53.4	
55 N-Nitrosodimethylamine	42	2.893	2.893	0.0	79	127412	52.3	
56 Pyridine	52	2.957	2.957	0.0	86	207387	54.8	
63 Phenol	94	5.618	5.618	0.0	83	274367	54.0	
64 Aniline	93	5.655	5.655	0.0	97	348288	50.0	
66 Bis(2-chloroethyl)ether	93	5.735	5.735	0.0	84	231971	52.8	
67 2-Chlorophenol	128	5.789	5.789	0.0	97	190318	52.6	
69 1,3-Dichlorobenzene	146	5.970	5.970	0.0	98	198100	52.7	
70 1,4-Dichlorobenzene	146	6.061	6.061	0.0	93	200600	53.1	
71 Benzyl alcohol	108	6.211	6.211	0.0	95	129731	54.0	
72 1,2-Dichlorobenzene	146	6.238	6.238	0.0	90	179971	51.1	
73 2-Methylphenol	108	6.339	6.339	0.0	97	175486	51.9	
74 2,2'-oxybis[1-chloropropane]	45	6.376	6.376	0.0	92	301342	53.9	
79 4-Methylphenol	108	6.526	6.526	0.0	97	179885	53.1	
78 N-Nitrosodi-n-propylamine	70	6.531	6.531	0.0	92	159963	52.9	
81 Hexachloroethane	117	6.633	6.633	0.0	93	83855	51.6	
83 Nitrobenzene	77	6.724	6.724	0.0	93	240551	51.6	
86 Isophorone	82	7.012	7.012	0.0	97	413388	52.6	
87 2-Nitrophenol	139	7.098	7.098	0.0	95	84237	52.4	

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ng/uL	Flags
89 2,4-Dimethylphenol	107	7.162	7.162	0.0	97	195337	51.4	
90 Tetraethyl lead	237	7.199	7.199	0.0	55	69156	43.1	
94 Bis(2-chloroethoxy)methane	93	7.279	7.279	0.0	97	246655	51.5	
95 Benzoic acid	105	7.365	7.365	0.0	63	449460	150.5	
97 2,4-Dichlorophenol	162	7.381	7.381	0.0	88	144420	52.5	
98 1,2,4-Trichlorobenzene	180	7.482	7.482	0.0	95	155914	50.9	
99 Naphthalene	128	7.573	7.573	0.0	99	482689	50.9	
101 4-Chloroaniline	127	7.648	7.648	0.0	98	210293	51.9	
104 Hexachlorobutadiene	225	7.723	7.723	0.0	98	103626	50.5	
110 4-Chloro-3-methylphenol	107	8.214	8.214	0.0	98	167168	51.0	
113 2-Methylnaphthalene	142	8.385	8.385	0.0	98	304004	52.0	
116 Hexachlorocyclopentadiene	237	8.567	8.567	0.0	91	107484	51.7	
118 2,4,6-Trichlorophenol	196	8.716	8.716	0.0	98	100640	52.7	
119 2,4,5-Trichlorophenol	196	8.754	8.754	0.0	98	110190	54.4	
124 2-Chloronaphthalene	162	8.951	8.951	0.0	99	289526	51.1	
125 2-Nitroaniline	65	9.090	9.090	0.0	94	118105	54.9	
128 Dimethyl phthalate	163	9.320	9.320	0.0	99	343900	51.4	
130 2,6-Dinitrotoluene	165	9.384	9.384	0.0	77	73903	55.6	
131 Acenaphthylene	152	9.443	9.443	0.0	99	488400	52.0	
132 3-Nitroaniline	138	9.582	9.582	0.0	94	87781	54.1	
133 Acenaphthene	153	9.646	9.646	0.0	99	291881	51.3	
134 2,4-Dinitrophenol	184	9.699	9.699	0.0	94	28283	47.1	
135 4-Nitrophenol	109	9.785	9.785	0.0	91	59422	52.0	
138 Dibenzofuran	168	9.849	9.849	0.0	98	420973	51.1	
137 2,4-Dinitrotoluene	165	9.854	9.854	0.0	81	96536	54.1	
142 Diethyl phthalate	149	10.143	10.143	0.0	99	366258	53.1	
144 Fluorene	166	10.239	10.239	0.0	96	349206	51.6	
145 4-Chlorophenyl phenyl ether	204	10.250	10.250	0.0	95	181083	51.4	
147 4-Nitroaniline	138	10.282	10.282	0.0	86	86848	54.2	
148 4,6-Dinitro-2-methylphenol	198	10.308	10.308	0.0	91	45687	51.2	
149 N-Nitrosodiphenylamine	169	10.383	10.383	0.0	97	245823	51.7	
152 1,2-Diphenylhydrazine	77	10.421	10.421	0.0	96	448429	52.3	
159 4-Bromophenyl phenyl ether	248	10.773	10.773	0.0	95	96560	51.5	
160 Hexachlorobenzene	284	10.821	10.821	0.0	96	105020	52.2	
165 Pentachlorophenol	266	11.030	11.030	0.0	96	56483	51.7	
171 Phenanthrene	178	11.238	11.238	0.0	99	485500	51.9	
172 Anthracene	178	11.291	11.291	0.0	99	493777	52.3	
173 Carbazole	167	11.457	11.457	0.0	99	471139	51.3	
176 Di-n-butyl phthalate	149	11.804	11.804	0.0	100	592438	53.6	
182 Fluoranthene	202	12.360	12.360	0.0	98	576204	52.0	
183 Benzidine	184	12.493	12.493	0.0	99	247443	43.3	
185 Pyrene	202	12.568	12.568	0.0	98	599703	53.3	
191 3,3'-Dimethylbenzidine	212	13.124	13.124	0.0	100	221074	41.5	
192 Butyl benzyl phthalate	149	13.134	13.134	0.0	97	276512	55.9	
196 3,3'-Dichlorobenzidine	252	13.594	13.594	0.0	57	209679	53.9	
197 Benzo[a]anthracene	228	13.615	13.615	0.0	59	561493	52.9	
198 Bis(2-ethylhexyl) phthalate	149	13.626	13.626	0.0	91	368085	55.9	
199 Chrysene	228	13.647	13.647	0.0	97	546316	51.2	
201 Di-n-octyl phthalate	149	14.165	14.165	0.0	99	681995	54.7	
203 Benzo[b]fluoranthene	252	14.523	14.523	0.0	100	535491	49.4	
204 Benzo[k]fluoranthene	252	14.550	14.550	0.0	98	627138	54.5	
206 Benzo[a]pyrene	252	14.823	14.823	0.0	99	506075	52.8	

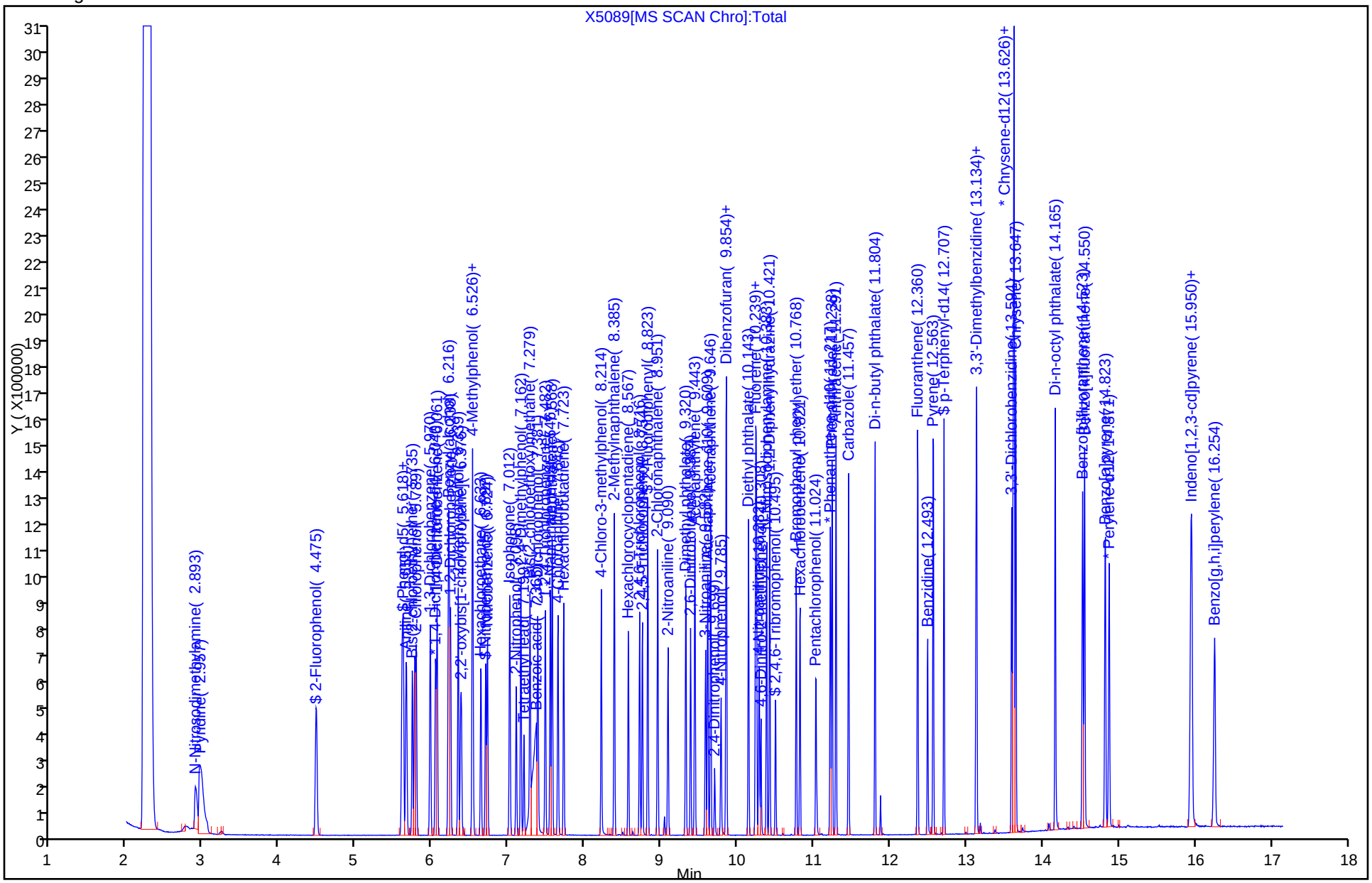
Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ng/uL	Flags
208 Indeno[1,2,3-cd]pyrene	276	15.944	15.944	0.0	93	547609	51.3	
209 Dibenz(a,h)anthracene	278	15.955	15.955	0.0	98	488502	51.5	
210 Benzo[g,h,i]perylene	276	16.254	16.254	0.0	100	463269	51.4	
S 214 3-Methylphenol	1				0		53.1	
S 213 Total Cresols	1				0		105.0	
S 212 3 & 4 Methylphenol	108				0		53.1	

Report Date: 10-Apr-2012 10:29:31 Chrom Revision: 2.0 20-Feb-2012 13:27:02

Data File: \\Bufchrom\ChromData\HP5973X\20120409-10842.b\X5089.D

Injection Date:	09-Apr-2012 17:04:30	Limit Group:	MB - 8270C ICAL
Client ID:		Instrument ID:	HP5973X
Lims Batch ID:	58786	Lims Sample ID:	2
Operator ID:	RMM	Injection Vol:	1.00 ul
Column Type:	RXI-5Sil MS	Column Dia:	0.25 mm

Y Scaling:



FORM VII
GC/MS SEMI VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Buffalo Job No.: 480-18068-1

SDG No.:

Lab Sample ID: CCV 480-58786/3 Calibration Date: 04/09/2012 17:28

Instrument ID: HP5973X Calib Start Date: 04/09/2012 13:41

GC Column: RXI-5Sil MS ID: 0.25(mm) Calib End Date: 04/09/2012 15:39

Lab File ID: X5090.D Conc. Units: ug/L

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Benzaldehyde	Ave	1.240	1.265	0.0100	51000	50000	2.0	40.0
Acetophenone	Ave	2.058	2.149	0.0100	52200	50000	4.4	40.0
Caprolactam	Lin1		0.1130	0.0100	50300	50000	0.6	40.0
1,2,4,5-Tetrachlorobenzene	Ave	0.5614	0.5753	0.0100	51200	50000	2.5	40.0
Biphenyl	Ave	1.416	1.408	0.0100	49700	50000	-0.6	40.0
2,3,4,6-Tetrachlorophenol	Lin1		0.2446	0.0100	48200	50000	-3.6	40.0
Atrazine	Ave	0.3280	0.3362	0.0100	51300	50000	2.5	25.0

TestAmerica Laboratories
Target Compound Quantitation Report

Data File:	\\Bufchrom\ChromData\HP5973X\20120409-10842.b\X5090.D		
Lims ID:	CCV TCLADDS	Client ID:	
Inject. Date:	09-Apr-2012 17:28:30	Dil. Factor:	1.0000
Sample Type:	CCV		
Sample ID:	480-0010842-003		
Misc. Info.:			
Operator:	RMM	Instrument ID:	HP5973X
Vol. Injected:	1.0000	ALS Bottle#:	3
Lims Batch ID:	58786	Lims Sample ID:	3
Sublist:	chrom-X-8270*sub4		
Detector:	MS SCAN		
Method:	\\Bufchrom\ChromData\HP5973X\20120409-10842.b\X-8270.m		
Last Update:	10-Apr-2012 10:30:04	Calib Date:	09-Apr-2012 15:39:30
Quant Method:	Internal Standard	Quant By:	Initial Calibration
Last ICal File:	\\Bufchrom\ChromData\HP5973X\20120409-10830.b\X5085.D		
Limit Group:	MB - 8270C ICAL		
Integrator:	RTE	ID Type:	Deconvolution ID
Process Host:	CORP-CTX-19		
First Level Reviewer: mckernar		Date:	10-Apr-2012 10:30:04

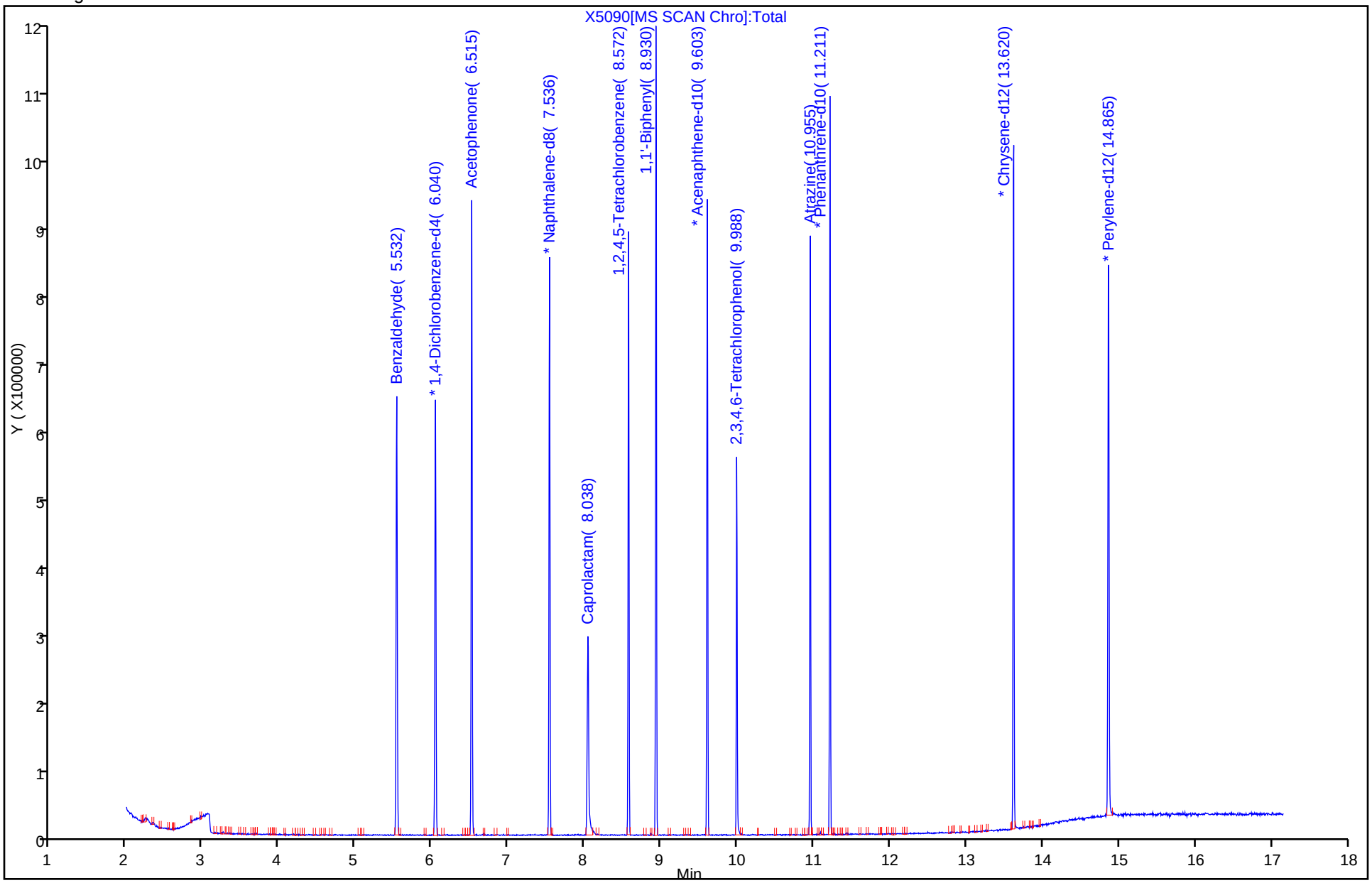
Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ng/uL	Flags
* 1 1,4-Dichlorobenzene-d4	152	6.040	6.040	0.0	97	97020	40.0	
* 2 Naphthalene-d8	136	7.536	7.536	0.0	93	346383	40.0	
* 3 Acenaphthene-d10	164	9.603	9.603	0.0	52	196392	40.0	
* 4 Phenanthrene-d10	188	11.211	11.211	0.0	100	353671	40.0	
* 5 Chrysene-d12	240	13.620	13.620	0.0	100	351533	40.0	
* 6 Perylene-d12	264	14.865	14.865	0.0	99	362072	40.0	
62 Benzaldehyde	77	5.532	5.532	0.0	90	153437	51.0	
76 Acetophenone	105	6.515	6.515	0.0	95	260642	52.2	
105 Caprolactam	113	8.038	8.038	0.0	94	48904	50.3	
117 1,2,4,5-Tetrachlorobenzene	216	8.572	8.572	0.0	99	141233	51.2	
123 1,1'-Biphenyl	154	8.930	8.930	0.0	100	345615	49.7	
140 2,3,4,6-Tetrachlorophenol	232	9.988	9.988	0.0	98	60051	48.2	
163 Atrazine	200	10.955	10.955	0.0	92	82543	51.3	

Report Date: 10-Apr-2012 10:30:04 Chrom Revision: 2.0 20-Feb-2012 13:27:02

Data File: \\Bufchrom\ChromData\HP5973X\20120409-10842.b\X5090.D

Injection Date:	09-Apr-2012 17:28:30	Limit Group:	MB - 8270C ICAL
Client ID:		Instrument ID:	HP5973X
Lims Batch ID:	58786	Lims Sample ID:	3
Operator ID:	RMM	Injection Vol:	1.00 ul
Column Type:	RXI-5Sil MS	Column Dia:	0.25 mm

Y Scaling:



TestAmerica Laboratories
Target Compound Quantitation Report

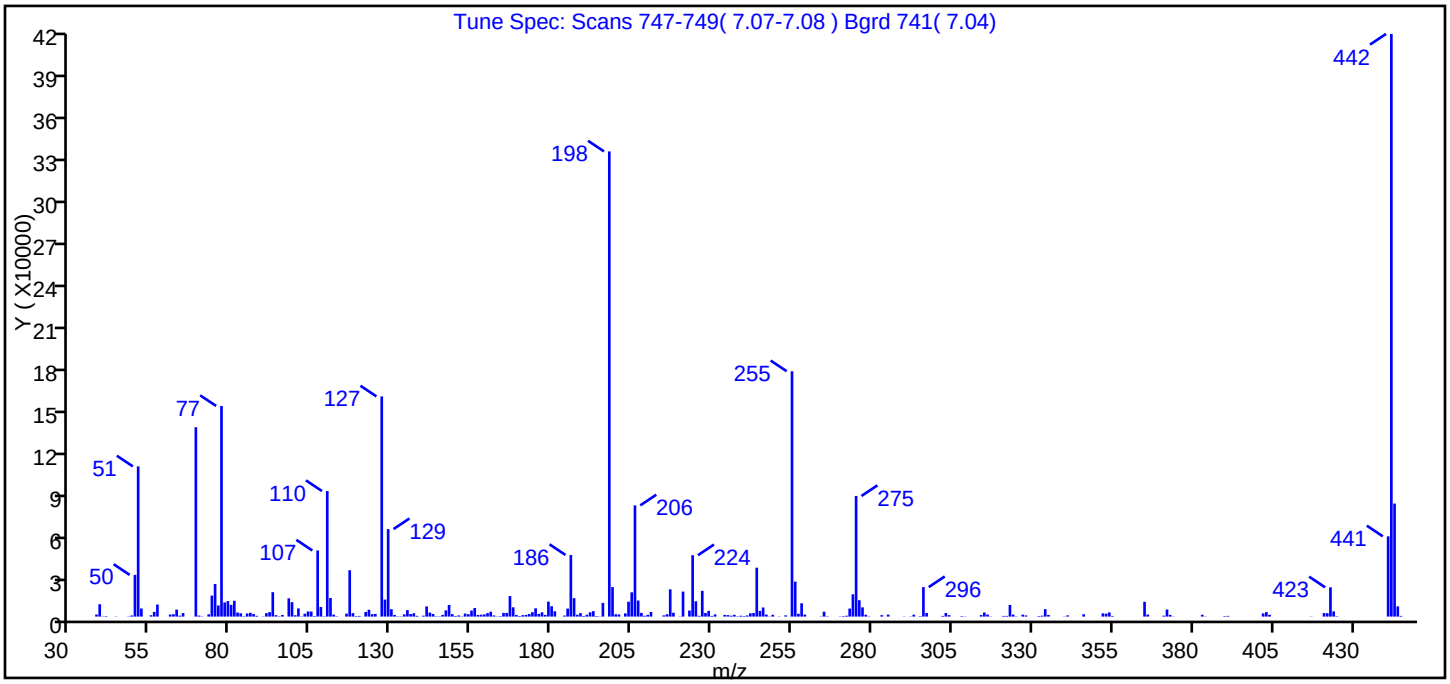
Data File:	\\Bufchrom\ChromData\HP5973X\20120301-9891.b\X3770.D		
Lims ID:	DFTPP	Client ID:	
Inject. Date:	01-Mar-2012 10:55:30	Dil. Factor:	1.0000
Sample Type:	DFTPP		
Sample ID:	480-0009885-001		
Misc. Info.:			
Operator:	RMM	Instrument ID:	HP5973X
Vol. Injected:	1.0000	ALS Bottle#:	1
Lims Batch ID:	53517	Lims Sample ID:	1
Detector:	MS SCAN		
Method:	\\Bufchrom\ChromData\HP5973X\20120301-9891.b\X-8270.m		
Last Update:	01-Mar-2012 15:32:02	Calib Date:	01-Mar-2012 14:35:30
Quant Method:	Internal Standard	Quant By:	Initial Calibration
Last ICal File:	\\Bufchrom\ChromData\HP5973X\20120301-9891.b\X3776.D		
Limit Group:	MB - 8270C ICAL		
Integrator:	RTE	ID Type:	Deconvolution ID
Process Host:	CORP-CTX-16		
First Level Reviewer: pfenderk		Date:	01-Mar-2012 15:32:02

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ng/uL	Flags
84 Pentachlorophenol_T	266	6.654	6.654	0.0	96	423457	0	
93 DFTPP								
109 Benzidine_T	184	8.037	8.037	0.0	100	2181683	0	
111 4,4'-DDE	246	8.182	8.182	0.0	1	3159	0	
115 4,4'-DDD	235	8.465	8.465	0.0	20	53872	0	
120 4,4'-DDT	235	8.716	8.716	0.0	97	872316	0	

MS Tune Report

Data File:	\\Bufchrom\ChromData\HP5973X\20120301-9891.b\X3770.D		
Injection Date:	01-Mar-2012 10:55:30	Limit Group:	MB - 8270C ICAL
Client ID:		Instrument ID:	HP5973X
Lims Batch ID:	53517	Lims Sample ID:	1
Operator ID:	RMM	Injection Vol:	1.00 ul
Column Type:	RXI-5Sil MS	Column Dia:	0.25 mm
Tune Method:	DFTPP Method 8270		

93 DFTPP



m/z	Ion Abundance Criteria	% Relative Abundance
198	Base Peak, 100% relative abundance	100.00
51	30.00 - 60.00% of mass 198	32.29
68	Less than 2.00% of mass 69	0.00 (0.00)
69	Present	40.71
70	Less than 2.00% of mass 69	0.22 (0.53)
127	40.00 - 60.00% of mass 198	47.33
197	Less than 1.00% of mass 198	0.00
199	5.00 - 9.00% of mass 198	6.34
275	10.00 - 30.00% of mass 198	25.92
365	Greater than 1.00% of mass 198	3.18
441	Present, but less than mass 443%	17.25 (71.01)
442	Greater than 40.00% of mass 198	125.26
443	17.00 - 23.00% of mass 442	24.30 (19.40)

Data File: \\Bufchrom\ChromData\HP5973X\20120301-9891.b\X3770.D\X-8270.rslt\spectra.d
Injection Date: 01-Mar-2012 10:55:30
Spectrum: Tune Spec: Scans 747-749(7.07-7.08) Bgrd 741(7.04)
Base Peak: 442.00
Minimum % Base Peak: 0
Number of Points: 259

m/z	Y	m/z	Y	m/z	Y	m/z	Y
38.00	1481	122.00	3312	191.00	1342	275.00	86192
39.00	8835	123.00	4906	192.00	3079	276.00	11700
40.00	181	124.00	1738	193.00	3888	277.00	6601
41.00	364	125.00	1893	194.00	389	278.00	1324
44.00	190	127.00	157376	195.00	180	279.00	222
48.00	188	128.00	12169	196.00	9793	283.00	1032
49.00	777	129.00	62536	198.00	332480	285.00	1420
50.00	29824	130.00	5298	199.00	21088	290.00	170
51.00	107360	131.00	1193	200.00	1667	292.00	171
52.00	5802	132.00	255	201.00	1521	293.00	1339
55.00	978	133.00	202	203.00	2276	295.00	342
56.00	3341	134.00	1569	204.00	10628	296.00	21072
57.00	8619	135.00	4644	205.00	17352	297.00	2607
61.00	1467	136.00	1834	206.00	79488	302.00	501
62.00	1680	137.00	2393	207.00	11484	303.00	2587
63.00	4995	138.00	562	208.00	2686	304.00	1059
64.00	666	140.00	648	209.00	588	308.00	390
65.00	2514	141.00	7278	210.00	1254	309.00	167
69.00	135360	142.00	2848	211.00	3275	314.00	1086
70.00	718	143.00	1868	215.00	873	315.00	2924
71.00	190	144.00	269	216.00	1655	316.00	1491
73.00	1639	145.00	240	217.00	19464	317.00	170
74.00	15006	146.00	1190	218.00	2746	321.00	503
75.00	23336	147.00	4473	220.00	182	322.00	496
76.00	7966	148.00	8333	221.00	17880	323.00	8346
77.00	150528	149.00	1763	223.00	4325	324.00	1434
78.00	10099	150.00	451	224.00	43888	325.00	195
79.00	11084	151.00	840	225.00	10937	327.00	1405
80.00	8384	152.00	236	226.00	564	328.00	834
81.00	11334	153.00	2188	227.00	18416	332.00	451
82.00	2907	154.00	1681	228.00	2613	333.00	660
83.00	2362	155.00	4358	229.00	4107	334.00	5315
84.00	294	156.00	6167	230.00	518	335.00	1194

Report Date: 01-Mar-2012 15:32:03 Chrom Revision: 2.0 20-Feb-2012 13:27:02
Data File: \\Bufchrom\ChromData\HP5973X\20120301-9891.b\X3770.D\X-8270.rslt\spectra.d
Injection Date: 01-Mar-2012 10:55:30
Spectrum: Tune Spec: Scans 747-749(7.07-7.08) Bgrd 741(7.04)
Base Peak: 442.00
Minimum % Base Peak: 0
Number of Points: 259

m/z	Y	m/z	Y	m/z	Y	m/z	Y
85.00	2224	157.00	1180	231.00	1562	340.00	181
86.00	2729	158.00	1397	234.00	1176	341.00	873
87.00	1828	159.00	1518	235.00	1051	346.00	1647
88.00	577	160.00	2490	236.00	642	352.00	2325
90.00	180	161.00	3500	237.00	1282	353.00	2098
91.00	2430	162.00	847	238.00	236	354.00	2990
92.00	3179	163.00	206	239.00	626	355.00	472
93.00	17448	164.00	352	240.00	383	365.00	10589
94.00	1003	165.00	2647	241.00	795	366.00	1459
95.00	248	166.00	2613	242.00	2342	371.00	669
96.00	1160	167.00	14659	243.00	2558	372.00	5064
98.00	13060	168.00	6636	244.00	34960	373.00	1223
99.00	10295	169.00	1190	245.00	4076	374.00	169
100.00	955	170.00	426	246.00	6509	383.00	1301
101.00	5837	171.00	1034	247.00	1466	384.00	167
102.00	200	172.00	1205	248.00	173	390.00	390
103.00	2039	173.00	1900	249.00	1296	391.00	505
104.00	3645	174.00	3142	251.00	177	402.00	2276
105.00	3617	175.00	5915	253.00	891	403.00	3215
106.00	380	176.00	1925	255.00	175360	404.00	1294
107.00	47240	177.00	3049	256.00	24984	417.00	178
108.00	6906	178.00	1225	257.00	2032	421.00	2542
109.00	258	179.00	10713	258.00	9483	422.00	2450
110.00	89752	180.00	7383	259.00	1464	423.00	20920
111.00	13283	181.00	3803	264.00	180	424.00	3713
112.00	1409	184.00	747	265.00	3501	425.00	280
113.00	257	185.00	5723	266.00	264	441.00	57368
116.00	2098	186.00	44032	270.00	190	442.00	416448
117.00	33136	187.00	13196	271.00	369	443.00	80784
118.00	2463	188.00	1329	272.00	651	444.00	7313
119.00	387	189.00	2502	273.00	5747	445.00	494
120.00	487	190.00	436	274.00	15955		

TestAmerica Laboratories
Target Compound Quantitation Report

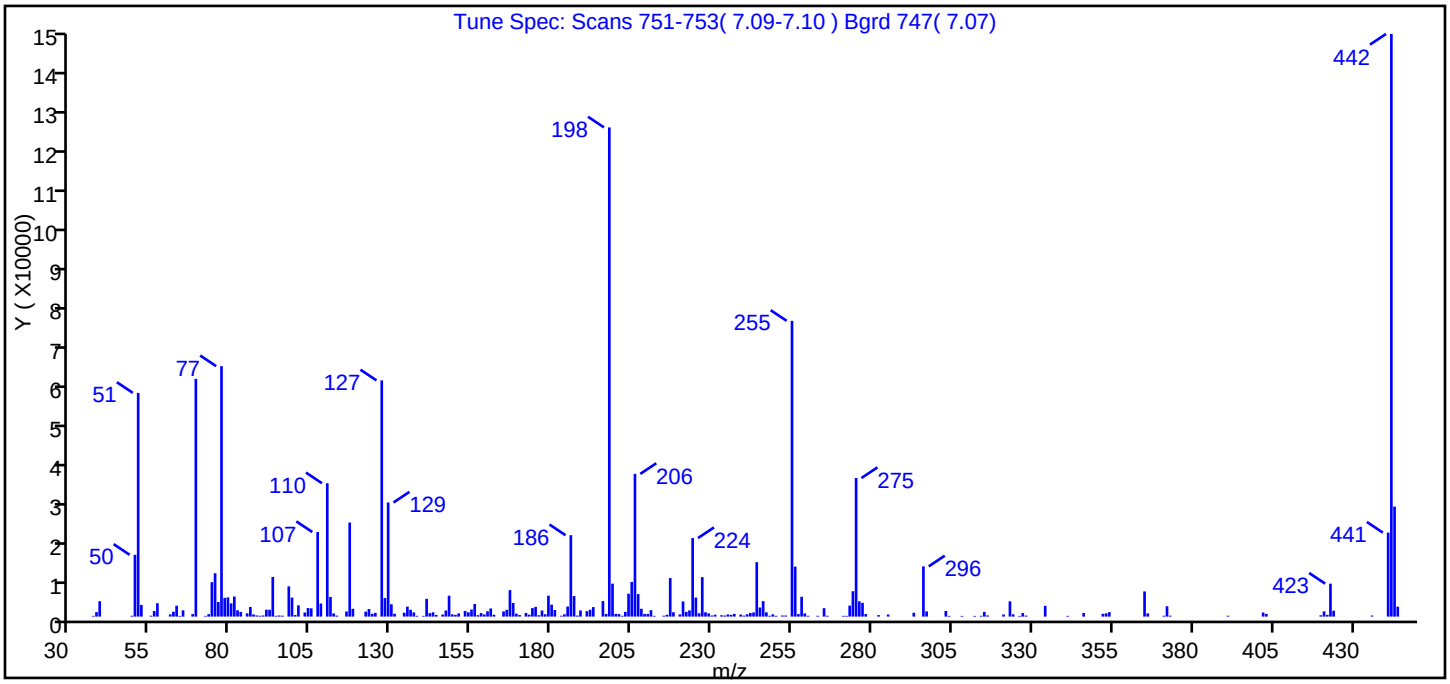
Data File:	\\Bufchrom\ChromData\HP5973X\20120403-10684.b\X4779.D		
Lims ID:	DFTPP	Client ID:	
Inject. Date:	03-Apr-2012 13:13:30	Dil. Factor:	1.0000
Sample Type:	DFTPP		
Sample ID:	480-0010684-001		
Misc. Info.:			
Operator:	RMM	Instrument ID:	HP5973X
Vol. Injected:	1.0000	ALS Bottle#:	1
Lims Batch ID:	57955	Lims Sample ID:	1
Detector:	MS SCAN		
Method:	\\Bufchrom\ChromData\HP5973X\20120403-10684.b\X-8270.m		
Last Update:	03-Apr-2012 16:47:47	Calib Date:	03-Apr-2012 15:26:30
Quant Method:	Internal Standard	Quant By:	Initial Calibration
Last ICal File:	\\Bufchrom\ChromData\HP5973X\20120403-10684.b\X4785.D		
Limit Group:	MB - 8270C ICAL		
Integrator:	RTE	ID Type:	Deconvolution ID
Process Host:	CORP-CTX-16		
First Level Reviewer: mckernar		Date:	03-Apr-2012 16:47:47

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ng/uL	Flags
84 Pentachlorophenol_T	266	6.702	6.702	0.0	94	104835	0	
93 DFTPP								
109 Benzidine_T	184	8.064	8.064	0.0	100	680813	0	
111 4,4'-DDE	246		8.112					
115 4,4'-DDD	235		8.395					
120 4,4'-DDT	235	8.737	8.737	0.0	98	292994	0	

MS Tune Report

Data File:	\\Bufchrom\ChromData\HP5973X\20120403-10684.b\X4779.D		
Injection Date:	03-Apr-2012 13:13:30	Limit Group:	MB - 8270C ICAL
Client ID:		Instrument ID:	HP5973X
Lims Batch ID:	57955	Lims Sample ID:	1
Operator ID:	RMM	Injection Vol:	1.00 ul
Column Type:	RXI-5Sil MS	Column Dia:	0.25 mm
Tune Method:	DFTPP Method 8270		

93 DFTPP



m/z	Ion Abundance Criteria	% Relative Abundance
198	Base Peak, 100% relative abundance	100.00
51	30.00 - 60.00% of mass 198	45.73
68	Less than 2.00% of mass 69	0.51 (1.05)
69	Present	48.60
70	Less than 2.00% of mass 69	0.00 (0.00)
127	40.00 - 60.00% of mass 198	48.29
197	Less than 1.00% of mass 198	0.55
199	5.00 - 9.00% of mass 198	6.73
275	10.00 - 30.00% of mass 198	28.32
365	Greater than 1.00% of mass 198	5.15
441	Present, but less than mass 443%	17.17 (76.34)
442	Greater than 40.00% of mass 198	119.11
443	17.00 - 23.00% of mass 442	22.49 (18.88)

Data File: \\Bufchrom\ChromData\HP5973X\20120403-10684.b\X4779.D\X-8270.rslt\spectra.d
Injection Date: 03-Apr-2012 13:13:30
Spectrum: Tune Spec: Scans 751-753(7.09-7.10) Bgrd 747(7.07)
Base Peak: 442.00
Minimum % Base Peak: 0
Number of Points: 229

m/z	Y	m/z	Y	m/z	Y	m/z	Y
37.00	188	123.00	1848	192.00	1665	259.00	781
38.00	1086	124.00	685	193.00	2305	260.00	205
39.00	3738	125.00	914	196.00	3778	263.00	197
49.00	203	127.00	57424	197.00	650	265.00	2057
50.00	15022	128.00	4510	198.00	118912	266.00	202
51.00	54384	129.00	27736	199.00	8003	271.00	185
52.00	2838	130.00	2988	200.00	662	272.00	173
55.00	213	131.00	689	201.00	619	273.00	2660
56.00	1354	134.00	936	202.00	204	274.00	6171
57.00	3247	135.00	2421	203.00	1154	275.00	33680
61.00	539	136.00	1654	204.00	5555	276.00	3712
62.00	1184	137.00	1014	205.00	8429	277.00	3336
63.00	2649	138.00	186	206.00	34688	278.00	635
64.00	170	140.00	174	207.00	5479	282.00	358
65.00	1527	141.00	4321	208.00	1898	285.00	499
68.00	605	142.00	827	209.00	649	293.00	928
69.00	57792	143.00	1041	210.00	652	296.00	12207
72.00	175	144.00	397	211.00	1556	297.00	1262
73.00	595	146.00	495	212.00	177	303.00	1371
74.00	8371	147.00	1481	215.00	219	304.00	171
75.00	10542	148.00	5079	216.00	428	308.00	168
76.00	3548	149.00	550	217.00	9368	312.00	173
77.00	60872	150.00	421	218.00	1057	314.00	199
78.00	4553	151.00	787	220.00	522	315.00	1140
79.00	4676	153.00	1377	221.00	3685	316.00	283
80.00	3214	154.00	1036	222.00	1148	321.00	500
81.00	4872	155.00	1720	223.00	1509	323.00	3704
82.00	1547	156.00	3068	224.00	19088	324.00	552
83.00	1134	157.00	349	225.00	4626	326.00	173
85.00	784	158.00	854	226.00	812	327.00	860
86.00	2327	159.00	505	227.00	9593	328.00	250
87.00	527	160.00	1291	228.00	1052	334.00	2616
88.00	279	161.00	1984	229.00	775	341.00	178

Report Date: 03-Apr-2012 16:47:48 Chrom Revision: 2.0 20-Feb-2012 13:27:02
Data File: \\Bufchrom\ChromData\HP5973X\20120403-10684.b\X4779.D\X-8270.rslt\spectra.d
Injection Date: 03-Apr-2012 13:13:30
Spectrum: Tune Spec: Scans 751-753(7.09-7.10) Bgrd 747(7.07)
Base Peak: 442.00
Minimum % Base Peak: 0
Number of Points: 229

m/z	Y	m/z	Y	m/z	Y	m/z	Y
89.00	213	162.00	444	230.00	260	346.00	881
90.00	271	165.00	1259	231.00	454	352.00	678
91.00	1677	166.00	1634	233.00	321	353.00	797
92.00	1672	167.00	6437	234.00	258	354.00	1075
93.00	9634	168.00	3309	235.00	525	365.00	6119
94.00	198	169.00	723	236.00	430	366.00	777
95.00	264	170.00	382	237.00	658	371.00	210
96.00	220	172.00	885	239.00	495	372.00	2520
98.00	7352	173.00	465	240.00	245	373.00	229
99.00	4614	174.00	2065	241.00	566	391.00	207
100.00	376	175.00	2356	242.00	885	402.00	996
101.00	2723	176.00	330	243.00	1009	403.00	652
103.00	999	177.00	1485	244.00	13234	420.00	321
104.00	2079	178.00	564	245.00	2214	421.00	1274
105.00	2009	179.00	5080	246.00	3758	422.00	427
107.00	20552	180.00	2913	247.00	1028	423.00	8010
108.00	3192	181.00	1602	248.00	195	424.00	1425
110.00	32416	183.00	212	249.00	547	436.00	262
111.00	4779	184.00	553	250.00	197	441.00	20416
112.00	778	185.00	2447	252.00	268	442.00	141632
113.00	235	186.00	19784	253.00	260	443.00	26744
116.00	1243	187.00	4989	255.00	71888	444.00	2412
117.00	22864	188.00	254	256.00	12149		
118.00	1898	189.00	1497	257.00	607		
122.00	1216	191.00	1324	258.00	4814		

TestAmerica Laboratories
Target Compound Quantitation Report

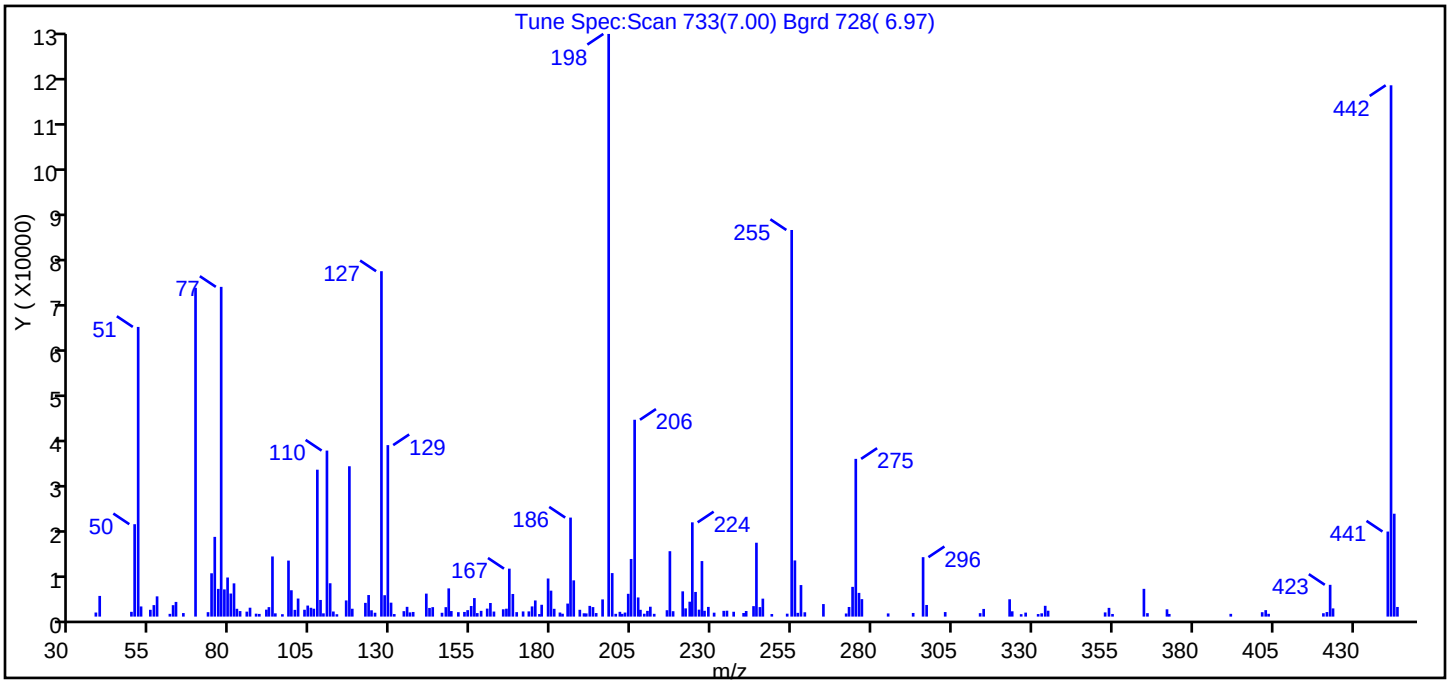
Data File:	\\Bufchrom\ChromData\HP5973X\20120405-10764.b\X4916.D		
Lims ID:	DFTPP	Client ID:	
Inject. Date:	06-Apr-2012 00:04:30	Dil. Factor:	1.0000
Sample Type:	DFTPP		
Sample ID:	480-0010764-001		
Misc. Info.:			
Operator:	RMM	Instrument ID:	HP5973X
Vol. Injected:	1.0000	ALS Bottle#:	33
Lims Batch ID:	58387	Lims Sample ID:	1
Detector:	MS SCAN		
Method:	\\Bufchrom\ChromData\HP5973X\20120405-10764.b\X-8270.m		
Last Update:	06-Apr-2012 09:51:01	Calib Date:	03-Apr-2012 15:26:30
Quant Method:	Internal Standard	Quant By:	Initial Calibration
Last ICal File:	\\Bufchrom\ChromData\HP5973X\20120403-10684.b\X4785.D		
Limit Group:	MB - 8270C ICAL		
Integrator:	RTE	ID Type:	Deconvolution ID
Process Host:	CORP-CTX-19		
First Level Reviewer: mckernar		Date:	06-Apr-2012 09:51:01

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ng/uL	Flags
84 Pentachlorophenol_T	266	6.600	6.600	0.0	91	75763	0	
93 DFTPP								
109 Benzidine_T	184	7.963	7.963	0.0	99	475094	0	
111 4,4'-DDE	246	8.101	8.101	0.0	1	2986	0	
115 4,4'-DDD	235	8.390	8.390	0.0	1	2001	0	
120 4,4'-DDT	235	8.636	8.636	0.0	96	235523	0	

MS Tune Report

Data File:	\\Bufchrom\ChromData\HP5973X\20120405-10764.b\X4916.D		
Injection Date:	06-Apr-2012 00:04:30	Limit Group:	MB - 8270C ICAL
Client ID:		Instrument ID:	HP5973X
Lims Batch ID:	58387	Lims Sample ID:	1
Operator ID:	RMM	Injection Vol:	1.00 ul
Column Type:	RXI-5Sil MS	Column Dia:	0.25 mm
Tune Method:	DFTPP Method 8270		

93 DFTPP



m/z	Ion Abundance Criteria	% Relative Abundance
198	Base Peak, 100% relative abundance	100.00
51	30.00 - 60.00% of mass 198	49.72
68	Less than 2.00% of mass 69	0.00 (0.00)
69	Present	56.42
70	Less than 2.00% of mass 69	0.00 (0.00)
127	40.00 - 60.00% of mass 198	59.28
197	Less than 1.00% of mass 198	0.00
199	5.00 - 9.00% of mass 198	7.47
275	10.00 - 30.00% of mass 198	27.07
365	Greater than 1.00% of mass 198	4.76
441	Present, but less than mass 443%	14.60 (82.67)
442	Greater than 40.00% of mass 198	91.18
443	17.00 - 23.00% of mass 442	17.66 (19.36)

Data File: \\Bufchrom\ChromData\HP5973X\20120405-10764.b\X4916.D\X-8270.rslt\spectra.d
Injection Date: 06-Apr-2012 00:04:30
Spectrum: Tune Spec:Scan 733(7.00) Bgrd 728(6.97)
Base Peak: 197.80
Minimum % Base Peak: 0
Number of Points: 193

m/z	Y	m/z	Y	m/z	Y	m/z	Y
37.80	871	115.90	3453	185.00	2781	254.90	82552
39.00	4415	116.90	32104	185.90	21144	255.90	11992
48.90	1019	117.80	1678	186.90	7738	256.80	799
49.90	19728	121.90	2932	188.80	1454	257.80	6733
51.00	61856	122.90	4603	190.10	707	259.00	924
51.90	2166	123.80	1347	190.80	677	264.80	2676
54.80	1451	124.90	825	191.90	2287	271.90	665
55.90	2456	126.90	73752	192.90	2031	272.80	2053
56.90	4323	127.90	4566	193.90	760	273.90	6347
60.90	586	128.90	36616	195.90	3672	274.90	33680
61.90	2442	129.90	2975	197.80	124416	275.90	5063
62.80	3134	130.90	543	198.90	9291	276.80	3729
65.10	756	133.90	1163	200.00	592	285.00	679
68.90	70200	134.90	2084	201.30	1022	292.80	774
72.80	945	135.80	897	202.00	585	295.90	12689
73.90	9251	136.80	991	202.90	864	297.00	2481
74.90	17024	140.90	4908	203.90	4867	302.80	968
76.00	5916	141.90	1848	204.80	12304	313.70	735
76.90	70408	142.90	2019	205.90	42032	314.80	1638
77.90	5808	145.80	817	207.00	4090	322.90	3701
78.90	8347	147.00	2016	207.70	1449	323.70	1132
79.90	4927	147.90	6024	208.90	609	326.50	519
80.90	7097	148.70	1182	209.90	1222	327.90	850
81.80	1667	150.90	942	210.80	2108	331.80	543
82.80	1179	152.80	992	212.00	590	332.90	703
84.90	1059	153.80	1378	216.00	1363	334.00	2303
85.90	1899	154.90	2260	216.90	13966	334.90	1255
87.80	624	155.90	3957	217.90	1152	352.70	894
88.80	570	156.80	751	220.90	5394	353.90	1864
91.00	1480	158.00	1231	221.80	1757	355.00	559
91.80	2022	159.90	1705	223.10	3182	364.80	5928
92.90	12842	160.90	2903	223.90	20128	365.90	738
93.80	697	162.00	1079	224.90	5264	372.00	1556

Report Date: 06-Apr-2012 09:51:01 Chrom Revision: 2.0 20-Feb-2012 13:27:02
Data File: \\Bufchrom\ChromData\HP5973X\20120405-10764.b\X4916.D\X-8270.rslt\spectra.d
Injection Date: 06-Apr-2012 00:04:30
Spectrum: Tune Spec:Scan 733(7.00) Bgrd 728(6.97)
Base Peak: 197.80
Minimum % Base Peak: 0
Number of Points: 193

m/z	Y	m/z	Y	m/z	Y	m/z	Y
96.00	512	164.90	1561	226.00	1480	372.70	564
97.90	11958	165.90	1685	226.90	11857	391.90	587
98.80	5626	166.80	10237	227.70	1242	401.70	938
99.90	1438	167.90	4830	228.90	2070	402.80	1377
100.90	3857	169.10	953	230.70	837	403.70	595
102.90	1463	171.10	1103	233.70	1229	420.80	718
103.90	2356	172.90	1115	234.70	1259	421.90	969
104.90	1883	173.90	2176	236.80	1033	422.90	6785
105.80	1682	174.90	3449	239.90	766	423.80	1749
106.90	31368	176.20	549	240.70	1194	440.90	18160
107.90	3553	176.90	2525	243.00	2233	441.90	113448
108.80	696	178.90	8134	243.90	15773	442.90	21968
109.90	35448	179.80	5539	245.00	2031	443.90	2056
110.90	7120	180.80	1662	245.90	3834		
111.90	1089	182.60	870	248.70	551		
113.00	504	183.40	610	253.50	624		

TestAmerica Laboratories
Target Compound Quantitation Report

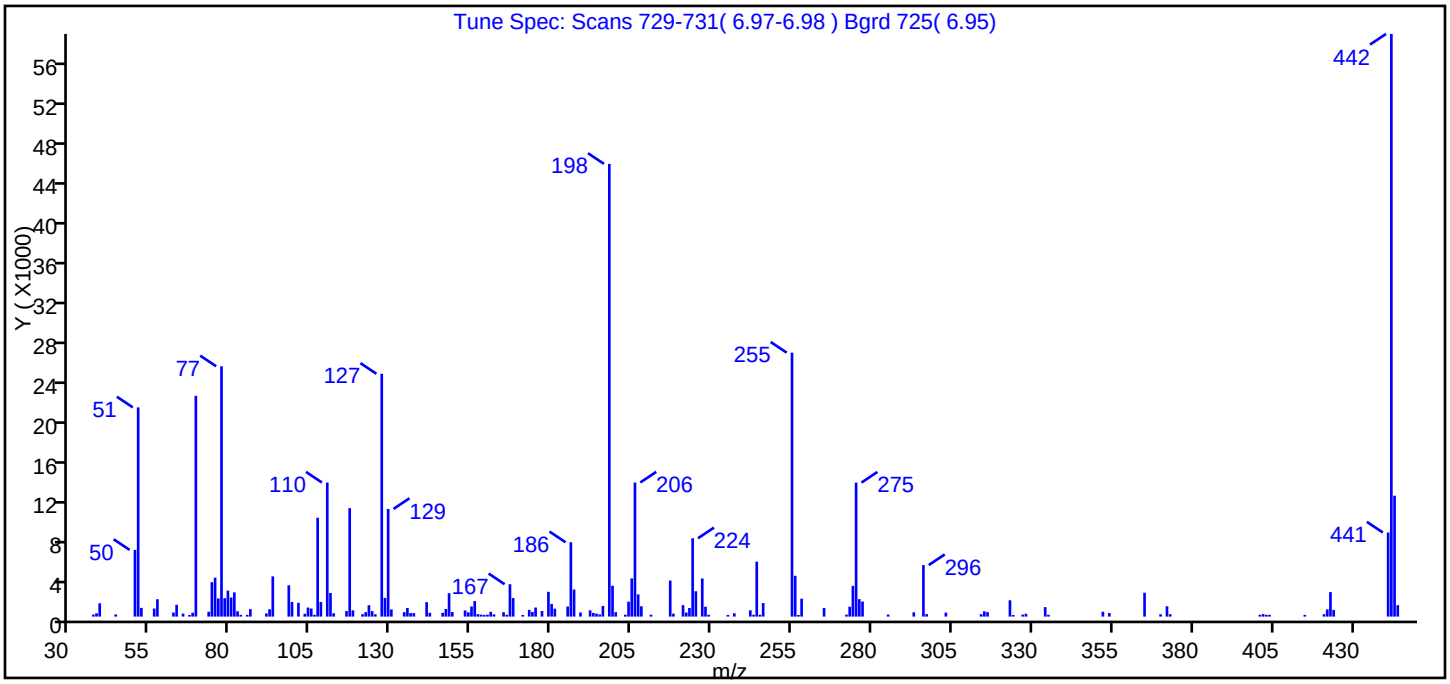
Data File:	\\Bufchrom\ChromData\HP5973X\20120406-10792.b\X4951.D		
Lims ID:	DFTPP	Client ID:	
Inject. Date:	06-Apr-2012 14:53:30	Dil. Factor:	1.0000
Sample Type:	DFTPP		
Sample ID:	480-0010792-001		
Misc. Info.:			
Operator:	RMM	Instrument ID:	HP5973X
Vol. Injected:	1.0000	ALS Bottle#:	2
Lims Batch ID:	58507	Lims Sample ID:	1
Detector:	MS SCAN		
Method:	\\Bufchrom\ChromData\HP5973X\20120406-10792.b\X-8270.m		
Last Update:	06-Apr-2012 15:40:45	Calib Date:	03-Apr-2012 15:26:30
Quant Method:	Internal Standard	Quant By:	Initial Calibration
Last ICal File:	\\Bufchrom\ChromData\HP5973X\20120403-10684.b\X4785.D		
Limit Group:	MB - 8270C ICAL		
Integrator:	RTE	ID Type:	Deconvolution ID
Process Host:	CORP-CTX-19		
First Level Reviewer: mckernar		Date:	06-Apr-2012 15:40:45

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ng/uL	Flags
84 Pentachlorophenol_T	266	6.579	6.579	0.0	70	19171	0	
93 DFTPP								
109 Benzidine_T	184	7.925	7.925	0.0	99	246974	0	
111 4,4'-DDE	246		8.101					
115 4,4'-DDD	235		8.390					
120 4,4'-DDT	235	8.593	8.593	0.0	96	120420	0	

MS Tune Report

Data File:	\\Bufchrom\ChromData\HP5973X\20120406-10792.b\X4951.D		
Injection Date:	06-Apr-2012 14:53:30	Limit Group:	MB - 8270C ICAL
Client ID:		Instrument ID:	HP5973X
Lims Batch ID:	58507	Lims Sample ID:	1
Operator ID:	RMM	Injection Vol:	1.00 ul
Column Type:	RXI-5Sil MS	Column Dia:	0.25 mm
Tune Method:	DFTPP Method 8270		

93 DFTPP



m/z	Ion Abundance Criteria	% Relative Abundance
198	Base Peak, 100% relative abundance	100.00
51	30.00 - 60.00% of mass 198	46.21
68	Less than 2.00% of mass 69	0.85 (1.74)
69	Present	48.77
70	Less than 2.00% of mass 69	0.00 (0.00)
127	40.00 - 60.00% of mass 198	53.63
197	Less than 1.00% of mass 198	0.00
199	5.00 - 9.00% of mass 198	6.81
275	10.00 - 30.00% of mass 198	29.60
365	Greater than 1.00% of mass 198	5.27
441	Present, but less than mass 443%	18.58 (69.58)
442	Greater than 40.00% of mass 198	128.70
443	17.00 - 23.00% of mass 442	26.70 (20.74)

Data File: \\Bufchrom\ChromData\HP5973X\20120406-10792.b\X4951.D\X-8270.rslt\spectra.d
Injection Date: 06-Apr-2012 14:53:30
Spectrum: Tune Spec: Scans 729-731(6.97-6.98) Bgrd 725(6.95)
Base Peak: 442.00
Minimum % Base Peak: 0
Number of Points: 167

m/z	Y	m/z	Y	m/z	Y	m/z	Y
37.00	208	112.00	334	179.00	2507	258.00	1812
38.00	337	116.00	560	180.00	1282	265.00	861
39.00	1345	117.00	10955	181.00	802	272.00	202
44.00	214	118.00	630	185.00	1020	273.00	998
50.00	6736	121.00	238	186.00	7513	274.00	3104
51.00	21136	122.00	444	187.00	2736	275.00	13537
52.00	880	123.00	1152	189.00	421	276.00	1763
56.00	812	124.00	556	192.00	632	277.00	1519
57.00	1755	125.00	231	193.00	373	285.00	205
62.00	411	127.00	24528	194.00	300	293.00	431
63.00	1191	128.00	1891	195.00	214	296.00	5204
65.00	305	129.00	10878	196.00	1077	297.00	255
67.00	168	130.00	718	198.00	45736	303.00	402
68.00	389	134.00	442	199.00	3116	314.00	238
69.00	22304	135.00	872	200.00	446	315.00	530
73.00	492	136.00	360	203.00	193	316.00	449
74.00	3475	137.00	356	204.00	1506	323.00	1649
75.00	3937	141.00	1461	205.00	3856	324.00	167
76.00	1833	142.00	379	206.00	13548	327.00	204
77.00	25288	146.00	385	207.00	2243	328.00	290
78.00	1857	147.00	772	208.00	1041	334.00	955
79.00	2623	148.00	2367	211.00	186	335.00	184
80.00	1931	149.00	464	217.00	3641	352.00	493
81.00	2446	153.00	626	218.00	298	354.00	359
82.00	538	154.00	432	221.00	1157	365.00	2409
83.00	178	155.00	1020	222.00	410	370.00	235
85.00	168	156.00	1571	223.00	870	372.00	1043
86.00	755	157.00	248	224.00	7913	373.00	242
91.00	321	158.00	199	225.00	2561	401.00	186
92.00	742	159.00	168	227.00	3853	402.00	249
93.00	4065	160.00	190	228.00	993	403.00	185
98.00	3160	161.00	484	229.00	184	404.00	179
99.00	1479	162.00	227	235.00	167	415.00	170

Report Date: 06-Apr-2012 15:40:45 Chrom Revision: 2.0 20-Feb-2012 13:27:02
Data File: \\Bufchrom\ChromData\HP5973X\20120406-10792.b\X4951.D\X-8270.rslt\spectra.d
Injection Date: 06-Apr-2012 14:53:30
Spectrum: Tune Spec: Scans 729-731(6.97-6.98) Bgrd 725(6.95)
Base Peak: 442.00
Minimum % Base Peak: 0
Number of Points: 167

m/z	Y	m/z	Y	m/z	Y	m/z	Y
101.00	1394	165.00	445	237.00	332	421.00	243
103.00	285	166.00	186	242.00	636	422.00	728
104.00	914	167.00	3270	243.00	186	423.00	2473
105.00	817	168.00	1875	244.00	5547	424.00	669
106.00	178	171.00	170	245.00	189	441.00	8497
107.00	9986	173.00	685	246.00	1367	442.00	58864
108.00	1475	174.00	470	255.00	26664	443.00	12211
110.00	13544	175.00	913	256.00	4123	444.00	1154
111.00	2384	177.00	561	257.00	166		

TestAmerica Laboratories
Target Compound Quantitation Report

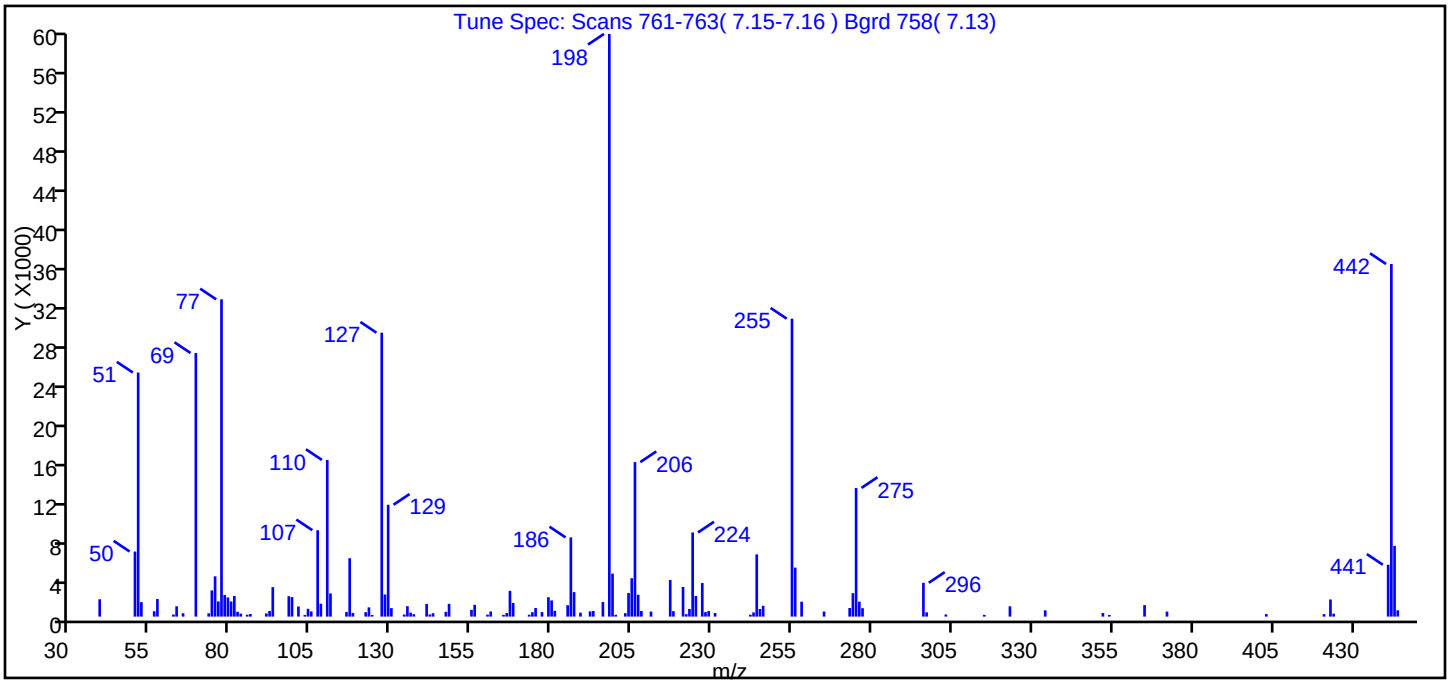
Data File:	\\Bufchrom\ChromData\HP5973X\20120409-10830.b\X5073.D		
Lims ID:	DFTPP	Client ID:	
Inject. Date:	09-Apr-2012 10:58:30	Dil. Factor:	1.0000
Sample Type:	DFTPP		
Sample ID:	480-0010830-001		
Misc. Info.:			
Operator:	RMM	Instrument ID:	HP5973X
Vol. Injected:	1.0000	ALS Bottle#:	1
Lims Batch ID:	58716	Lims Sample ID:	1
Detector:	MS SCAN		
Method:	\\Bufchrom\ChromData\HP5973X\20120409-10830.b\X-8270.m		
Last Update:	09-Apr-2012 16:35:28	Calib Date:	09-Apr-2012 15:39:30
Quant Method:	Internal Standard	Quant By:	Initial Calibration
Last ICal File:	\\Bufchrom\ChromData\HP5973X\20120409-10830.b\X5085.D		
Limit Group:	MB - 8270C ICAL		
Integrator:	RTE	ID Type:	Deconvolution ID
Process Host:	CORP-CTX-19		
First Level Reviewer: mckernar		Date:	09-Apr-2012 16:35:28

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ng/uL	Flags
84 Pentachlorophenol_T	266	6.734	6.734	0.0	94	45498	0	
93 DFTPP								
111 4,4'-DDE	246		8.801					
109 Benzidine_T	184	8.118	8.118	0.0	99	410910	0	
115 4,4'-DDD	235	8.550	8.550	0.0	1	1327	0	
120 4,4'-DDT	235	8.801	8.801	0.0	97	157422	0	

MS Tune Report

Data File:	\\Bufchrom\ChromData\HP5973X\20120409-10830.b\X5073.D		
Injection Date:	09-Apr-2012 10:58:30	Limit Group:	MB - 8270C ICAL
Client ID:		Instrument ID:	HP5973X
Lims Batch ID:	58716	Lims Sample ID:	1
Operator ID:	RMM	Injection Vol:	1.00 ul
Column Type:	RXI-5Sil MS	Column Dia:	0.25 mm
Tune Method:	DFTPP Method 8270		

93 DFTPP



m/z	Ion Abundance Criteria	% Relative Abundance
198	Base Peak, 100% relative abundance	100.00
51	30.00 - 60.00% of mass 198	41.88
68	Less than 2.00% of mass 69	0.00 (0.00)
69	Present	45.24
70	Less than 2.00% of mass 69	0.00 (0.00)
127	40.00 - 60.00% of mass 198	48.73
197	Less than 1.00% of mass 198	0.00
199	5.00 - 9.00% of mass 198	7.37
275	10.00 - 30.00% of mass 198	22.08
365	Greater than 1.00% of mass 198	1.97
441	Present, but less than mass 443%	8.90 (73.35)
442	Greater than 40.00% of mass 198	60.52
443	17.00 - 23.00% of mass 442	12.13 (20.05)

Data File: \\Bufchrom\ChromData\HP5973X\20120409-10830.b\X5073.D\X-8270.rslt\spectra.d
Injection Date: 09-Apr-2012 10:58:30
Spectrum: Tune Spec: Scans 761-763(7.15-7.16) Bgrd 758(7.13)
Base Peak: 198.00
Minimum % Base Peak: 0
Number of Points: 130

m/z	Y	m/z	Y	m/z	Y	m/z	Y
39.00	1773	108.00	1317	177.00	458	243.00	424
50.00	6655	110.00	16022	179.00	1983	244.00	6363
51.00	24960	111.00	2369	180.00	1652	245.00	777
52.00	1476	116.00	462	181.00	589	246.00	1103
56.00	548	117.00	5968	185.00	1162	255.00	30472
57.00	1804	118.00	372	186.00	8102	256.00	5010
62.00	213	122.00	449	187.00	2505	258.00	1522
63.00	1056	123.00	944	189.00	405	265.00	522
65.00	339	124.00	166	192.00	537	273.00	878
69.00	26960	127.00	29040	193.00	570	274.00	2397
73.00	337	128.00	2262	196.00	1486	275.00	13160
74.00	2680	129.00	11439	198.00	59592	276.00	1526
75.00	4118	130.00	866	199.00	4394	277.00	862
76.00	1550	134.00	212	200.00	184	296.00	3456
77.00	32448	135.00	1063	203.00	346	297.00	435
78.00	2214	136.00	407	204.00	2407	303.00	215
79.00	1960	137.00	249	205.00	3924	315.00	175
80.00	1548	141.00	1294	206.00	15801	323.00	1050
81.00	2105	142.00	220	207.00	2235	334.00	639
82.00	492	143.00	343	208.00	575	352.00	368
83.00	309	147.00	492	211.00	516	354.00	171
85.00	189	148.00	1301	217.00	3747	365.00	1173
86.00	267	155.00	692	218.00	558	372.00	512
91.00	323	156.00	1202	221.00	3036	403.00	257
92.00	576	160.00	202	222.00	248	421.00	250
93.00	3008	161.00	522	223.00	777	423.00	1753
98.00	2084	165.00	177	224.00	8605	424.00	296
99.00	1994	166.00	367	225.00	2106	441.00	5303
101.00	1036	167.00	2635	227.00	3432	442.00	36064
103.00	167	168.00	1394	228.00	457	443.00	7230
104.00	796	173.00	196	229.00	571	444.00	649
105.00	532	174.00	447	231.00	364		
107.00	8836	175.00	883	242.00	191		

m/z	Y	m/z	Y	m/z	Y	m/z	Y
39.00	1773	108.00	1317	177.00	458	243.00	424
50.00	6655	110.00	16022	179.00	1983	244.00	6363
51.00	24960	111.00	2369	180.00	1652	245.00	777
52.00	1476	116.00	462	181.00	589	246.00	1103
56.00	548	117.00	5968	185.00	1162	255.00	30472
57.00	1804	118.00	372	186.00	8102	256.00	5010
62.00	213	122.00	449	187.00	2505	258.00	1522
63.00	1056	123.00	944	189.00	405	265.00	522
65.00	339	124.00	166	192.00	537	273.00	878
69.00	26960	127.00	29040	193.00	570	274.00	2397
73.00	337	128.00	2262	196.00	1486	275.00	13160
74.00	2680	129.00	11439	198.00	59592	276.00	1526
75.00	4118	130.00	866	199.00	4394	277.00	862
76.00	1550	134.00	212	200.00	184	296.00	3456
77.00	32448	135.00	1063	203.00	346	297.00	435
78.00	2214	136.00	407	204.00	2407	303.00	215
79.00	1960	137.00	249	205.00	3924	315.00	175
80.00	1548	141.00	1294	206.00	15801	323.00	1050
81.00	2105	142.00	220	207.00	2235	334.00	639
82.00	492	143.00	343	208.00	575	352.00	368
83.00	309	147.00	492	211.00	516	354.00	171
85.00	189	148.00	1301	217.00	3747	365.00	1173
86.00	267	155.00	692	218.00	558	372.00	512
91.00	323	156.00	1202	221.00	3036	403.00	257
92.00	576	160.00	202	222.00	248	421.00	250
93.00	3008	161.00	522	223.00	777	423.00	1753
98.00	2084	165.00	177	224.00	8605	424.00	296
99.00	1994	166.00	367	225.00	2106	441.00	5303
101.00	1036	167.00	2635	227.00	3432	442.00	36064
103.00	167	168.00	1394	228.00	457	443.00	7230
104.00	796	173.00	196	229.00	571	444.00	649
105.00	532	174.00	447	231.00	364		
107.00	8836	175.00	883	242.00	191		

TestAmerica Laboratories
Target Compound Quantitation Report

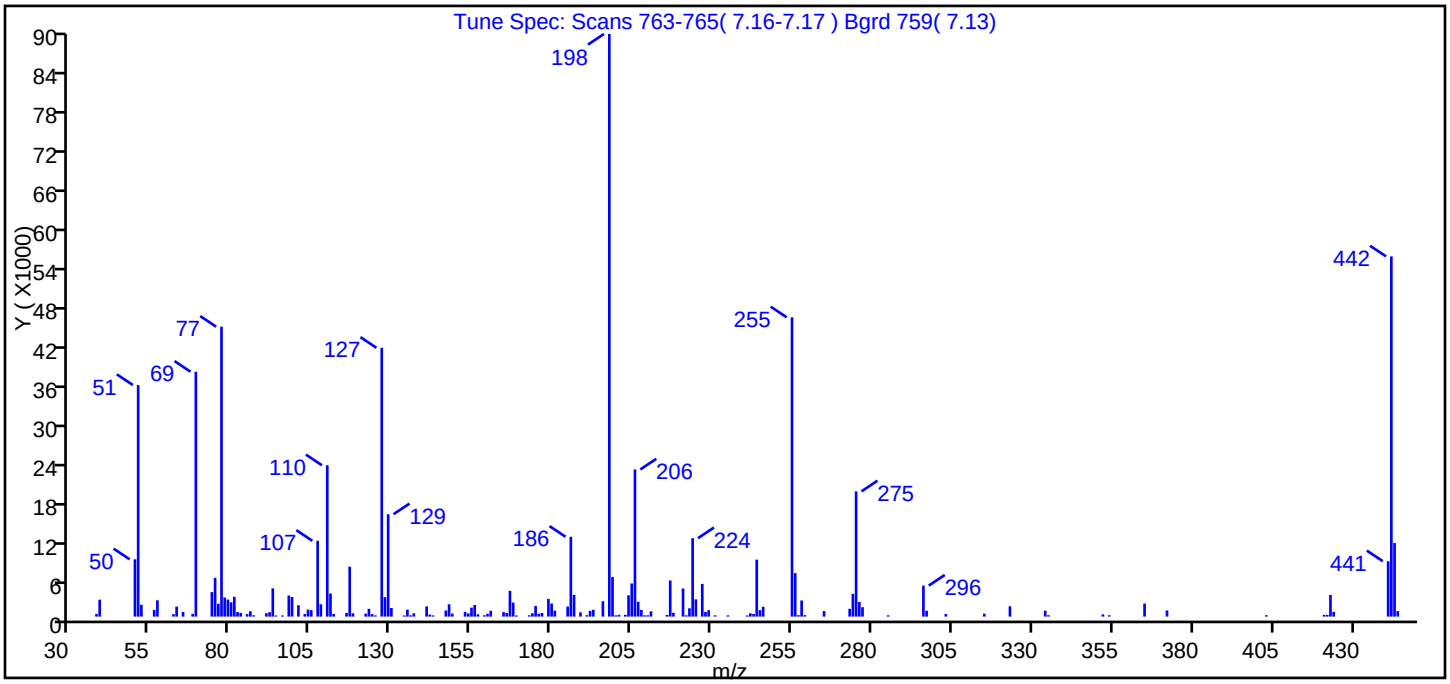
Data File:	\\Bufchrom\ChromData\HP5973X\20120409-10842.b\X5088.D		
Lims ID:	DFTPP	Client ID:	
Inject. Date:	09-Apr-2012 16:48:30	Dil. Factor:	1.0000
Sample Type:	DFTPP		
Sample ID:	480-0010842-001		
Misc. Info.:			
Operator:	RMM	Instrument ID:	HP5973X
Vol. Injected:	1.0000	ALS Bottle#:	1
Lims Batch ID:	58786	Lims Sample ID:	1
Detector:	MS SCAN		
Method:	\\Bufchrom\ChromData\HP5973X\20120409-10842.b\X-8270.m		
Last Update:	10-Apr-2012 10:28:45	Calib Date:	09-Apr-2012 15:39:30
Quant Method:	Internal Standard	Quant By:	Initial Calibration
Last ICal File:	\\Bufchrom\ChromData\HP5973X\20120409-10830.b\X5085.D		
Limit Group:	MB - 8270C ICAL		
Integrator:	RTE	ID Type:	Deconvolution ID
Process Host:	CORP-CTX-19		
First Level Reviewer: mckernar		Date:	10-Apr-2012 10:28:45

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ng/uL	Flags
84 Pentachlorophenol_T	266	6.744	6.744	0.0	96	57419	0	
93 DFTPP								
109 Benzidine_T	184	8.123	8.123	0.0	99	576785	0	
111 4,4'-DDE	246		8.304					
115 4,4'-DDD	235	8.550	8.550	0.0	1	1574	0	
120 4,4'-DDT	235	8.807	8.807	0.0	97	221570	0	

MS Tune Report

Data File:	\\Bufchrom\ChromData\HP5973X\20120409-10842.b\X5088.D		
Injection Date:	09-Apr-2012 16:48:30	Limit Group:	MB - 8270C ICAL
Client ID:		Instrument ID:	HP5973X
Lims Batch ID:	58786	Lims Sample ID:	1
Operator ID:	RMM	Injection Vol:	1.00 ul
Column Type:	RXI-5Sil MS	Column Dia:	0.25 mm
Tune Method:	DFTPP Method 8270		

93 DFTPP



m/z	Ion Abundance Criteria	% Relative Abundance
198	Base Peak, 100% relative abundance	100.00
51	30.00 - 60.00% of mass 198	39.74
68	Less than 2.00% of mass 69	0.48 (1.14)
69	Present	42.02
70	Less than 2.00% of mass 69	0.00 (0.00)
127	40.00 - 60.00% of mass 198	46.13
197	Less than 1.00% of mass 198	0.00
199	5.00 - 9.00% of mass 198	6.78
275	10.00 - 30.00% of mass 198	21.49
365	Greater than 1.00% of mass 198	2.24
441	Present, but less than mass 443%	9.50 (75.27)
442	Greater than 40.00% of mass 198	61.82
443	17.00 - 23.00% of mass 442	12.63 (20.42)

Data File: \\Bufchrom\ChromData\HP5973X\20120409-10842.b\X5088.D\X-8270.rslt\spectra.d
Injection Date: 09-Apr-2012 16:48:30
Spectrum: Tune Spec: Scans 763-765(7.16-7.17) Bgrd 759(7.13)
Base Peak: 198.00
Minimum % Base Peak: 0
Number of Points: 155

m/z	Y	m/z	Y	m/z	Y	m/z	Y
38.00	414	111.00	3557	176.00	430	241.00	168
39.00	2607	112.00	409	177.00	558	242.00	510
50.00	8823	116.00	564	179.00	2725	243.00	415
51.00	35672	117.00	7701	180.00	2025	244.00	8773
52.00	1827	118.00	512	181.00	916	245.00	1001
56.00	1021	122.00	461	185.00	1547	246.00	1515
57.00	2511	123.00	1200	186.00	12298	255.00	46104
62.00	372	124.00	382	187.00	3345	256.00	6697
63.00	1537	125.00	179	189.00	656	257.00	224
65.00	711	127.00	41408	191.00	215	258.00	2483
68.00	429	128.00	2994	192.00	888	259.00	227
69.00	37720	129.00	15772	193.00	1053	265.00	850
74.00	3771	130.00	1329	196.00	2358	273.00	1204
75.00	5977	134.00	167	198.00	89760	274.00	3506
76.00	1969	135.00	1070	199.00	6089	275.00	19288
77.00	44656	136.00	197	200.00	187	276.00	2242
78.00	2942	137.00	506	201.00	267	277.00	1450
79.00	2626	141.00	1570	203.00	277	285.00	194
80.00	2205	142.00	303	204.00	3273	296.00	4773
81.00	3043	143.00	182	205.00	5104	297.00	901
82.00	701	147.00	944	206.00	22664	303.00	395
83.00	567	148.00	1897	207.00	2293	315.00	452
85.00	385	149.00	467	208.00	1023	323.00	1585
86.00	820	153.00	724	209.00	195	334.00	912
87.00	200	154.00	487	210.00	197	335.00	209
91.00	515	155.00	1377	211.00	815	352.00	346
92.00	674	156.00	1783	216.00	246	354.00	205
93.00	4353	157.00	348	217.00	5566	365.00	2012
94.00	169	159.00	203	218.00	587	372.00	947
96.00	178	160.00	437	221.00	4330	403.00	207
98.00	3248	161.00	894	222.00	196	421.00	256
99.00	3016	165.00	688	223.00	1284	422.00	261
101.00	1753	166.00	564	224.00	12081	423.00	3327

Report Date: 10-Apr-2012 10:28:45 Chrom Revision: 2.0 20-Feb-2012 13:27:02
Data File: \\Bufchrom\ChromData\HP5973X\20120409-10842.b\X5088.D\X-8270.rslt\spectra.d
Injection Date: 09-Apr-2012 16:48:30
Spectrum: Tune Spec: Scans 763-765(7.16-7.17) Bgrd 759(7.13)
Base Peak: 198.00
Minimum % Base Peak: 0
Number of Points: 155

m/z	Y	m/z	Y	m/z	Y	m/z	Y
103.00	402	167.00	3970	225.00	2658	424.00	724
104.00	1083	168.00	2158	227.00	5038	441.00	8530
105.00	996	169.00	173	228.00	727	442.00	55488
107.00	11676	173.00	207	229.00	982	443.00	11333
108.00	1903	174.00	515	231.00	195	444.00	846
110.00	23312	175.00	1647	235.00	190		

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Buffalo | Job No.: 480-18068-1

SDG No.:

Client Sample ID: | Lab Sample ID: MB 480-58223/1-A

Matrix: Water | Lab File ID: X4929.D

Analysis Method: 8270C | Date Collected:

Extract. Method: 3510C | Date Extracted: 04/05/2012 07:38

Sample wt/vol: 1000(mL) | Date Analyzed: 04/06/2012 05:02

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.: 58387 | Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
95-95-4	2,4,5-Trichlorophenol	ND		5.0	0.48
88-06-2	2,4,6-Trichlorophenol	ND		5.0	0.61
120-83-2	2,4-Dichlorophenol	ND		5.0	0.51
105-67-9	2,4-Dimethylphenol	ND		5.0	0.50
51-28-5	2,4-Dinitrophenol	ND		10	2.2
121-14-2	2,4-Dinitrotoluene	ND		5.0	0.45
606-20-2	2,6-Dinitrotoluene	ND		5.0	0.40
91-58-7	2-Chloronaphthalene	ND		5.0	0.46
95-57-8	2-Chlorophenol	ND		5.0	0.53
91-57-6	2-Methylnaphthalene	ND		5.0	0.60
95-48-7	2-Methylphenol	ND		5.0	0.40
88-74-4	2-Nitroaniline	ND		10	0.42
88-75-5	2-Nitrophenol	ND		5.0	0.48
91-94-1	3,3'-Dichlorobenzidine	ND		5.0	0.40
99-09-2	3-Nitroaniline	ND		10	0.48
534-52-1	4,6-Dinitro-2-methylphenol	ND		10	2.2
101-55-3	4-Bromophenyl phenyl ether	ND		5.0	0.45
59-50-7	4-Chloro-3-methylphenol	ND		5.0	0.45
106-47-8	4-Chloroaniline	ND		5.0	0.59
7005-72-3	4-Chlorophenyl phenyl ether	ND		5.0	0.35
106-44-5	4-Methylphenol	ND		10	0.36
100-01-6	4-Nitroaniline	ND		10	0.25
100-02-7	4-Nitrophenol	ND		10	1.5
83-32-9	Acenaphthene	ND		5.0	0.41
208-96-8	Acenaphthylene	ND		5.0	0.38
98-86-2	Acetophenone	ND		5.0	0.54
120-12-7	Anthracene	ND		5.0	0.28
1912-24-9	Atrazine	ND		5.0	0.46
100-52-7	Benzaldehyde	ND		5.0	0.27
56-55-3	Benzo(a)anthracene	ND		5.0	0.36
50-32-8	Benzo(a)pyrene	ND		5.0	0.47
205-99-2	Benzo(b)fluoranthene	ND		5.0	0.34
191-24-2	Benzo(g,h,i)perylene	ND		5.0	0.35
207-08-9	Benzo(k)fluoranthene	ND		5.0	0.73

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Buffalo | Job No.: 480-18068-1

SDG No.:

Client Sample ID: | Lab Sample ID: MB 480-58223/1-A

Matrix: Water | Lab File ID: X4929.D

Analysis Method: 8270C | Date Collected:

Extract. Method: 3510C | Date Extracted: 04/05/2012 07:38

Sample wt/vol: 1000(mL) | Date Analyzed: 04/06/2012 05:02

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.: 58387 | Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
92-52-4	Biphenyl	ND		5.0	0.65
108-60-1	bis (2-chloroisopropyl) ether	ND		5.0	0.52
111-91-1	Bis(2-chloroethoxy)methane	ND		5.0	0.35
111-44-4	Bis(2-chloroethyl)ether	ND		5.0	0.40
117-81-7	Bis(2-ethylhexyl) phthalate	ND		5.0	1.8
85-68-7	Butyl benzyl phthalate	ND		5.0	0.42
105-60-2	Caprolactam	ND		5.0	2.2
86-74-8	Carbazole	ND		5.0	0.30
218-01-9	Chrysene	ND		5.0	0.33
53-70-3	Dibenz(a,h)anthracene	ND		5.0	0.42
132-64-9	Dibenzofuran	ND		10	0.51
84-66-2	Diethyl phthalate	ND		5.0	0.22
131-11-3	Dimethyl phthalate	ND		5.0	0.36
84-74-2	Di-n-butyl phthalate	ND		5.0	0.31
117-84-0	Di-n-octyl phthalate	ND		5.0	0.47
206-44-0	Fluoranthene	ND		5.0	0.40
86-73-7	Fluorene	ND		5.0	0.36
118-74-1	Hexachlorobenzene	ND		5.0	0.51
87-68-3	Hexachlorobutadiene	ND		5.0	0.68
77-47-4	Hexachlorocyclopentadiene	ND		5.0	0.59
67-72-1	Hexachloroethane	ND		5.0	0.59
193-39-5	Indeno(1,2,3-cd)pyrene	ND		5.0	0.47
78-59-1	Isophorone	ND		5.0	0.43
91-20-3	Naphthalene	ND		5.0	0.76
98-95-3	Nitrobenzene	ND		5.0	0.29
621-64-7	N-Nitrosodi-n-propylamine	ND		5.0	0.54
86-30-6	N-Nitrosodiphenylamine	ND		5.0	0.51
87-86-5	Pentachlorophenol	ND		10	2.2
85-01-8	Phenanthrene	ND		5.0	0.44
108-95-2	Phenol	ND		5.0	0.39
129-00-0	Pyrene	ND		5.0	0.34

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Buffalo Job No.: 480-18068-1

SDG No.:

Client Sample ID: Lab Sample ID: MB 480-58223/1-A

Matrix: Water Lab File ID: X4929.D

Analysis Method: 8270C Date Collected:

Extract. Method: 3510C Date Extracted: 04/05/2012 07:38

Sample wt/vol: 1000(mL) Date Analyzed: 04/06/2012 05:02

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.: 58387 Units: ug/L

CAS NO.	SURROGATE	%REC	Q	LIMITS
118-79-6	2,4,6-Tribromophenol	98		52-132
321-60-8	2-Fluorobiphenyl	69		48-120
367-12-4	2-Fluorophenol	35		20-120
4165-60-0	Nitrobenzene-d5	66		46-120
1718-51-0	p-Terphenyl-d14	117		67-150
4165-62-2	Phenol-d5	23		16-120

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

Lab Name: TestAmerica Buffalo | Job No.: 480-18068-1

SDG No.:

Client Sample ID: | Lab Sample ID: MB 480-58223/1-A

Matrix: Water | Lab File ID: X4929.D

Analysis Method: 8270C | Date Collected:

Extract. Method: 3510C | Date Extracted: 04/05/2012 07:38

Sample wt/vol: 1000(mL) | Date Analyzed: 04/06/2012 05:02

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.: 58387 | Units: ug/L

Number TICs Found: 10 | TIC Result Total: 174.69

CAS NO.	COMPOUND NAME	RT	RESULT	Q
2175-91-9	1,3-Cyclopentadiene, 5-(1-methylethylide	4.27	5.34	T J N
55956-25-7	2-Propanol, 1-[1-methyl-2-(2-propenyloxy	12.26	4.50	T J N
111-6-8	Hexadecanoic acid, butyl ester	12.41	66.7	T J N
	Unknown	12.67	8.03	T J
123-95-5	Octadecanoic acid, butyl ester	13.01	49.0	T J N
	Unknown	13.08	13.9	T J
13752-97-1	1-Propene, 3-[2-(2-methoxyethoxy)ethoxy]	13.53	7.24	T J N
	Unknown	13.79	5.44	T J
13897-22-8	3-Hexanol, 1,5-dimethoxy-2,4-dimethyl-	14.24	7.06	T J N
	Unknown	15.00	7.48	T J

TestAmerica Laboratories
Target Compound Quantitation Report

Data File: \\Bufchrom\ChromData\HP5973X\20120405-10764.b\X4929.D
Lims ID: MB 480-58223/1-A Client ID:
Inject. Date: 06-Apr-2012 05:02:30 Dil. Factor: 1.0000
Sample Type: MB
Sample ID: 480-0010764-014
Misc. Info.:
Operator: RMM Instrument ID: HP5973X
Vol. Injected: 1.0000 ALS Bottle#: 46
Lims Batch ID: 58387 Lims Sample ID: 14
Detector: MS SCAN

Method: \\Bufchrom\ChromData\HP5973X\20120405-10764.b\X-8270.m
Last Update: 06-Apr-2012 10:02:14 Calib Date: 03-Apr-2012 15:26:30
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\Bufchrom\ChromData\HP5973X\20120403-10684.b\X4785.D
Limit Group: MB - 8270C ICAL
Integrator: RTE ID Type: Deconvolution ID
Process Host: CORP-CTX-19

First Level Reviewer: mckernar Date: 06-Apr-2012 10:02:14

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ng/uL	Flags
* 1 1,4-Dichlorobenzene-d4	152	5.828	5.834	-0.006	93	56734	40.0	
* 2 Naphthalene-d8	136	7.335	7.340	-0.005	88	236984	40.0	
* 3 Acenaphthene-d10	164	9.402	9.408	-0.006	53	156548	40.0	
* 4 Phenanthrene-d10	188	11.032	11.037	-0.005	99	247194	40.0	
* 5 Chrysene-d12	240	13.446	13.452	-0.006	98	190885	40.0	
* 6 Perylene-d12	264	14.654	14.659	-0.005	98	223196	40.0	
$ 7 2-Fluorophenol	112	4.301	4.322	-0.022	95	93732	52.5	
$ 8 Phenol-d5	99	5.465	5.481	-0.016	76	85706	34.7	
$ 9 Nitrobenzene-d5	82	6.502	6.512	-0.010	95	191069	66.0	
$ 10 2-Fluorobiphenyl	172	8.622	8.633	-0.011	99	328858	68.6	
$ 11 2,4,6-Tribromophenol	330	10.321	10.321	0.0	84	112219	147.1	
$ 12 p-Terphenyl-d14	244	12.538	12.549	-0.011	96	457842	117.2	
33 1,3,5-Trichlorobenzene	180		0.000					
30 Benzeneacetonitrile	1		0.000					
39 2-Aminopyridine	1		0.000					
32 Pendimethalin	1		0.000					
53 3-Chlorobenzotrifluoride	1		0.000					
46 2-Chlorotoluene	91		0.000					
232 4,4'-Methylene bis(2-chloroanili	1		0.000					
19 Chlorotoluene N.O.S	1		0.000					
31 5-Ethyl-5-phenyl barbituric acid	1		0.000					
226 CBF-400	1		0.000					
37 4-Chlorotoluene	91		0.000					
18 1-Methylcyclopentanol	1		0.000					
17 2,4,5-Trichlorotoluene	1		0.000					
16 1,2,3,4 -Tetrachlorobenzene	216		0.000					
13 Dimethylformamide	1		0.000					
51 Phenylacetic Acid	1		0.000					
43 CU-600	1		0.000					
22 CN-500	1		0.000					
225 5-Methyl-o-Anisidine TIC	1		0.000					

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ng/uL	Flags
228 CBF-500	1		0.000					
42 3-Chlorotoluene	1		0.000					
20 Lidocaine	1		0.000					
49 Benzeneacetic acid (TIC)	1		0.000					
14 Benzo[e]pyrene	1		0.000					
24 2-Methylanthracene	1		0.000					
47 Chlorobenzotrifluoride N.O.S	1		0.000					
27 2,6-Dichlorotoluene	1		0.000					
50 CAG-800	1		0.000					
15 4,4'-Methylene bis(2-chloroanili	1		0.000					
26 NVF-400	1		0.000					
230 1,3-phenylenediamine TIC	1		0.000					
25 2,3-Dichlorophenol	1		0.000					
36 4-Chlorobenzotrifluoride	1		0.000					
45 n,n'-Dimethylacetamide	1		0.000					
52 4-Chlorophenol	1		0.000					
38 2,4-Dichlorotoluene	1		0.000					
40 2-Chlorobenzotrifluoride	1		0.000					
231 2,4-Xylidine TIC	1		0.000					
34 N-Methylaniline	1		0.000					
229 o-Anisidine TIC	1		0.000					
54 1,4-Dioxane	88		2.404					
55 N-Nitrosodimethylamine	42		2.725					
56 Pyridine	52		2.773					
57 2-Picoline	93		3.574					
58 N-Nitrosomethylethylamine	88		3.691					
59 Methyl methanesulfonate	80		4.087					
60 N-Nitrosodiethylamine	102		4.552					
44 4-Chloropyridine	78		4.626					
41 3-Chloropyridine	78		4.696					
61 Ethyl methanesulfonate	79		4.942					
21 2-Chloropyridine	78		5.134					
62 Benzaldehyde	77		5.316					
64 Aniline	93		5.471					
65 Pentachloroethane	167		5.497					
63 Phenol	94		5.497					
66 Bis(2-chloroethyl)ether	93		5.551					
67 2-Chlorophenol	128		5.615					
69 1,3-Dichlorobenzene	146		5.775					
23 p-Fluoroaniline	111		5.796					
70 1,4-Dichlorobenzene	146		5.866					
72 1,2-Dichlorobenzene	146		6.042					
71 Benzyl alcohol	108		6.042					
68 n-Decane	57		6.060					
74 2,2'-oxybis[1-chloropropane]	45		6.186					
73 2-Methylphenol	108		6.202					
75 N-Nitrosopyrrolidine	100		6.320					
76 Acetophenone	105		6.320					
78 N-Nitrosodi-n-propylamine	70		6.347					
77 N-Nitrosomorpholine	56		6.363					
80 2-Toluidine	106		6.373					
79 4-Methylphenol	108		6.395					

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ng/uL	Flags
81 Hexachloroethane	117		6.432					
82 4-Methylbenzenamine	106		6.443					
83 Nitrobenzene	77		6.534					
84 Pentachlorophenol_T	266		6.600					
29 2,6-Dichloropyridine	112		6.662					
92 o-Anisidine	108		6.662					
85 N-Nitrosopiperidine	114		6.710					
86 Isophorone	82		6.827					
87 2-Nitrophenol	139		6.913					
88 2-Chloroaniline	127		6.918					
90 Tetraethyl lead	237		6.998					
89 2,4-Dimethylphenol	107		7.009					
91 o,o',o''-Triethylphosphorothioat	198		7.052					
94 Bis(2-chloroethoxy)methane	93		7.095					
96 alpha,alpha-Dimethyl phenethylam	58		7.164					
97 2,4-Dichlorophenol	162		7.228					
95 Benzoic acid	105		7.260					
98 1,2,4-Trichlorobenzene	180		7.287					
99 Naphthalene	128		7.372					
100 Alpha-Terpineol	59		7.399					
108 5-Methyl-o-Anisidine	122		7.416					
103 Hexachloropropene	213		7.463					
102 2,6-Dichlorophenol	162		7.468					
101 4-Chloroaniline	127		7.474					
104 Hexachlorobutadiene	225		7.522					
35 Quinoline	129		7.827					
106 N-Nitrosodi-n-butylamine	84		7.858					
105 Caprolactam	113		7.875					
107 p-Phenylene diamine	108		7.896					
109 Benzidine_T	184		7.963					
110 4-Chloro-3-methylphenol	107		8.088					
112 Safrole, Total	162		8.099					
111 4,4'-DDE	246		8.101					
113 2-Methylnaphthalene	142		8.190					
114 Phthalic anhydride	104		8.296					
116 Hexachlorocyclopentadiene	237		8.371					
117 1,2,4,5-Tetrachlorobenzene	216		8.377					
115 4,4'-DDD	235		8.390					
118 2,4,6-Trichlorophenol	196		8.548					
119 2,4,5-Trichlorophenol	196		8.622					
120 4,4'-DDT	235		8.636					
122 Isosafrole	162		8.708					
123 1,1'-Biphenyl	154		8.735					
124 2-Chloronaphthalene	162		8.761					
121 2,3-Dichlorobenzenamine	161		8.886					
125 2-Nitroaniline	65		8.922					
126 1,4-Naphthoquinone	158		8.991					
28 Dicyclohexlamine	138		9.028					
127 1,4-Dinitrobenzene	168		9.092					
128 Dimethyl phthalate	163		9.141					
129 1,3-Dinitrobenzene	168		9.178					
130 2,6-Dinitrotoluene	165		9.215					

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ng/uL	Flags
131 Acenaphthylene	152		9.248					
132 3-Nitroaniline	138		9.418					
133 Acenaphthene	153		9.451					
134 2,4-Dinitrophenol	184		9.552					
136 Pentachlorobenzene	250		9.605					
138 Dibenzofuran	168		9.659					
137 2,4-Dinitrotoluene	165		9.691					
135 4-Nitrophenol	109		9.728					
139 1-Naphthylamine	143		9.766					
140 2,3,4,6-Tetrachlorophenol	232		9.830					
141 2-Naphthylamine	143		9.862					
142 Diethyl phthalate	149		9.963					
143 Thionazin	97		10.049					
144 Fluorene	166		10.049					
145 4-Chlorophenyl phenyl ether	204		10.060					
146 N-Nitro-o-toluidine	152		10.102					
147 4-Nitroaniline	138		10.129					
148 4,6-Dinitro-2-methylphenol	198		10.150					
150 Diphenylamine	169		10.204					
149 N-Nitrosodiphenylamine	169		10.204					
151 Tributyl phosphate	99		10.209					
152 1,2-Diphenylhydrazine	77		10.230					
153 Azobenzene	77		10.289					
154 Sulfotepp	322		10.396					
156 Diallate	43		10.514					
157 Phorate	75		10.524					
155 1,3,5-Trinitrobenzene	213		10.572					
159 4-Bromophenyl phenyl ether	248		10.583					
158 Phenacetin	108		10.588					
160 Hexachlorobenzene	284		10.636					
161 Dimethoate	87		10.722					
162 Simazine	201		10.775					
163 Atrazine	200		10.802					
166 Pentachloronitrobenzene	237		10.866					
164 4-Aminobiphenyl	169		10.871					
165 Pentachlorophenol	266		10.872					
167 Pronamide	173		10.946					
171 Phenanthrene	178		11.059					
169 Disulfoton	88		11.064					
170 Dinoseb	211		11.064					
172 Anthracene	178		11.112					
168 n-Octadecane	57		11.290					
173 Carbazole	167		11.299					
175 Alachlor	160		11.427					
174 Methyl parathion	109		11.432					
176 Di-n-butyl phthalate	149		11.641					
177 Ethyl Parathion	97		11.801					
178 4-Nitroquinoline-1-oxide	190		11.844					
179 Anthraquinone	180		11.892					
180 Methapyrilene	58		11.897					
181 Isodrin	193		12.041					
182 Fluoranthene	202		12.202					

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ng/uL	Flags
184 1-Hydroxyanthraquinone	224		12.282					
183 Benzidine	184		12.341					
185 Pyrene	202		12.405					
186 Aramite, Total	185		12.597					
187 p-Dimethylamino azobenzene	120		12.666					
189 1,4-Dihydroxyanthraquinone	240		12.693					
188 Chlorobenzilate	139		12.704					
190 Famphur	218		12.928					
191 3,3'-Dimethylbenzidine	212		12.966					
193 Kepone	272		12.976					
192 Butyl benzyl phthalate	149		12.976					
194 9-Octadecenamide	72		13.019					
195 2-Acetylaminofluorene	181		13.195					
196 3,3'-Dichlorobenzidine	252		13.430					
197 Benzo[a]anthracene	228		13.452					
198 Bis(2-ethylhexyl) phthalate	149		13.468					
199 Chrysene	228		13.484					
201 Di-n-octyl phthalate	149		14.002					
200 Tricresyl phosphate	368		14.147					
202 7,12-Dimethylbenz(a)anthracene	256		14.323					
203 Benzo[b]fluoranthene	252		14.344					
204 Benzo[k]fluoranthene	252		14.371					
205 Hexachlorophene	196		14.477					
206 Benzo[a]pyrene	252		14.622					
207 3-Methylcholanthrene	252		14.910					
208 Indeno[1,2,3-cd]pyrene	276		15.674					
209 Dibenz(a,h)anthracene	278		15.680					
210 Benzo[g,h,i]perylene	276		15.957					
211 Dibenzo[a,e]pyrene	302		18.951					
S 212 3 & 4 Methylphenol	108		0.000					
S 213 Total Cresols	1		0.000					
S 214 3-Methylphenol	1		0.000					
T 216 trans Azobenzene (TIC)	1		0.000					1
T 217 Benefin (TIC)	1		0.000					1
T 227 Tris(2,3-dibromopropyl)phosphate	1		0.000					1
T 215 Pendimethalin (TIC)	1		0.000					1
T 218 Prometryn (TIC)	1		0.000					1
T 219 1-Methylnaphthalene (TIC)	1		0.000					1
T 220 2,3,7,8-TCDD	322		0.000					1

QC Flag Legend

Processing Flags
1 - Missing Peaks

TestAmerica Laboratories
Tentatively Identified Quantitation Report

Data File:	\\Bufchrom\ChromData\HP5973X\20120405-10764.b\X4929.D		
Lims ID:	MB 480-58223/1-A	Client ID:	
Inject. Date:	06-Apr-2012 05:02:30	Dil. Factor:	1.0000
Sample Type:	MB		
Sample ID:	480-0010764-014		
Misc. Info.:			
Operator:	RMM	Instrument ID:	HP5973X
Vol. Injected:	1.0000	ALS Bottle#:	46
Lims Batch ID:	58387	Lims Sample ID:	14
Detector:	MS SCAN		
Method:	\\Bufchrom\ChromData\HP5973X\20120405-10764.b\X-8270.m		
Last Update:	06-Apr-2012 10:02:14	Calib Date:	03-Apr-2012 15:26:30
Tic RT Window:	1.500 -0.000	Response:	area
Quant By:	Nearest ISTD	Quant LOD:	10.00000
MS Library:	\\Bufchrom\ChromData\Database\NIST98.L		
Min. Match:	50		
Process Host:	CORP-CTX-19		
First Level Reviewer: mckernar		Date:	06-Apr-2012 10:02:14

Tentative Identified Compound Results

RT	Response	Amount ng/uL	Quant Cpnd	Qual	Lib Entry	Flags
2175-91-9	1,3-Cyclopentadiene, 5-(1-methylethylide					
4.268	64202	5.34	1	80	37691	
55956-25-7	2-Propanol, 1-[1-methyl-2-(2-propenyloxy					
12.255	63471	4.50	5	50	113164	
111-6-8	Hexadecanoic acid, butyl ester					
12.405	940608	66.7	5	95	15257	
	Unknown					
12.672	113141	8.03	5			
123-95-5	Octadecanoic acid, butyl ester					
13.014	690450	49.0	5	93	15286	
	Unknown					
13.078	196152	13.9	5			
13752-97-1	1-Propene, 3-[2-(2-methoxyethoxy)ethoxy]					
13.527	102084	7.24	5	53	19353	
	Unknown					
13.794	76648	5.44	5			
13897-22-8	3-Hexanol, 1,5-dimethoxy-2,4-dimethyl-					
14.237	116421	7.06	6	50	19515	
	Unknown					
14.996	123328	7.48	6			

Quantitation Compounds

Compound	RT	Response	Amount ng/uL

Compound	RT	Response	Amount ng/uL
* 1 1,4-Dichlorobenzene-d4	5.828	480823	40.0
* 5 Chrysene-d12	13.446	563793	40.0
* 6 Perylene-d12	14.654	659298	40.0

QC Flag Legend

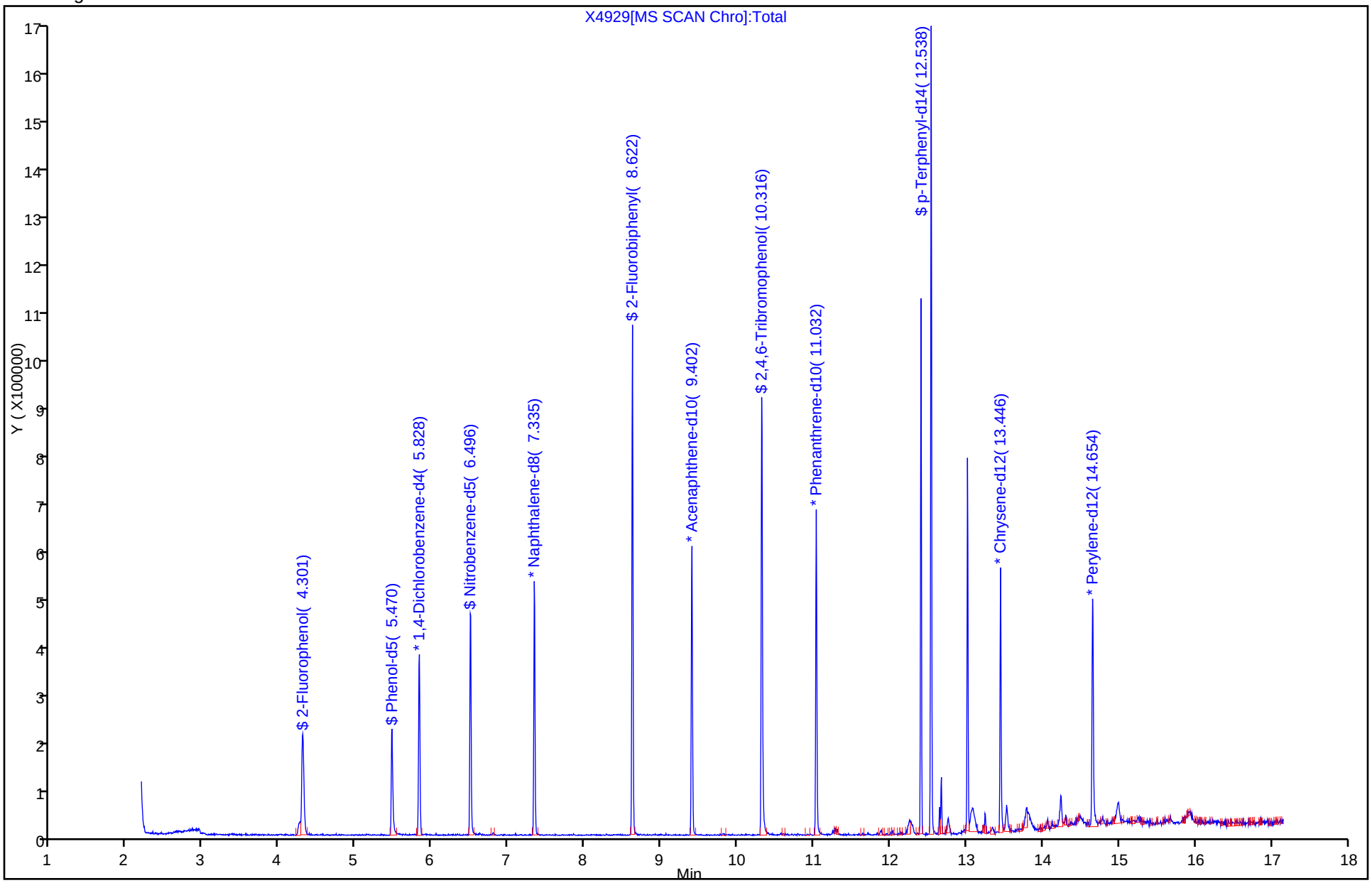
Processing Flags

Report Date: 06-Apr-2012 10:02:14 Chrom Revision: 2.0 20-Feb-2012 13:27:02

Data File: \\Bufchrom\ChromData\HP5973X\20120405-10764.b\X4929.D

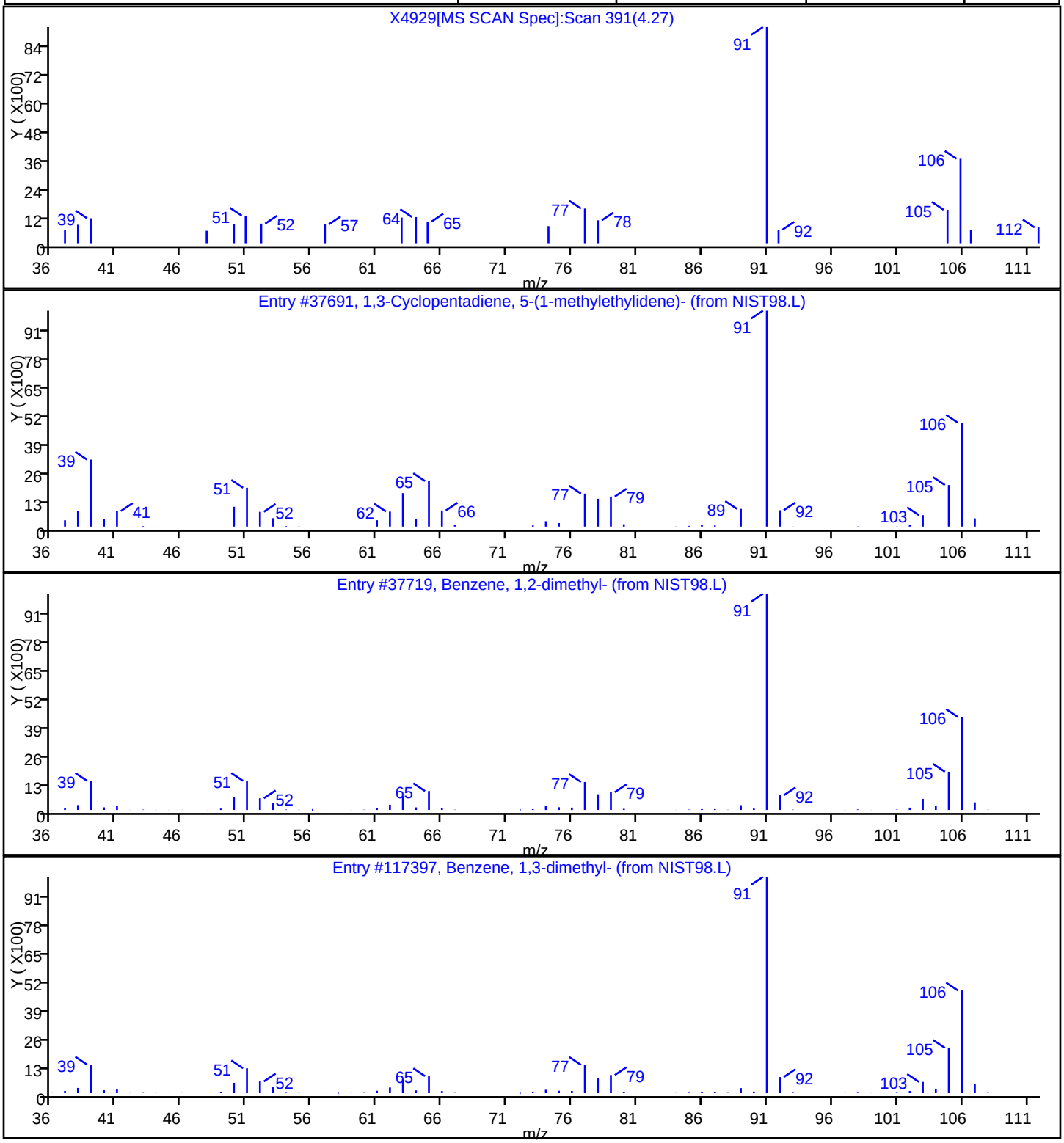
Injection Date:	06-Apr-2012 05:02:30	Limit Group:	MB - 8270C ICAL
Client ID:		Instrument ID:	HP5973X
Lims Batch ID:	58387	Lims Sample ID:	14
Operator ID:	RMM	Injection Vol:	1.00 ul
Column Type:	RXI-5Sil MS	Column Dia:	0.25 mm

Y Scaling:



Report Date: 06-Apr-2012 10:02:14 Chrom Revision: 2.0 20-Feb-2012 13:27:02
Data File: \\Bufchrom\ChromData\HP5973X\20120405-10764.b\X4929.D
Injection Date: 06-Apr-2012 05:02:30 Limit Group: MB - 8270C ICAL
Client ID: Instrument ID: HP5973X
Lims Batch ID: 58387 Lims Sample ID: 14
Operator ID: RMM Injection Vol: 1.00 ul
Column Type: RXI-5Sil MS Column Dia: 0.25 mm

Library Search Compound Match	CAS Number	Library	Entry	Quality
1,3-Cyclopentadiene, 5-(1-methylethylide	2175-91-9	NIST98.L	37691	80
Benzene, 1,2-dimethyl-	95-47-6	NIST98.L	37719	74
Benzene, 1,3-dimethyl-	108-38-3	NIST98.L	117397	72



Report Date: 06-Apr-2012 10:02:14 Chrom Revision: 2.0 20-Feb-2012 13:27:02

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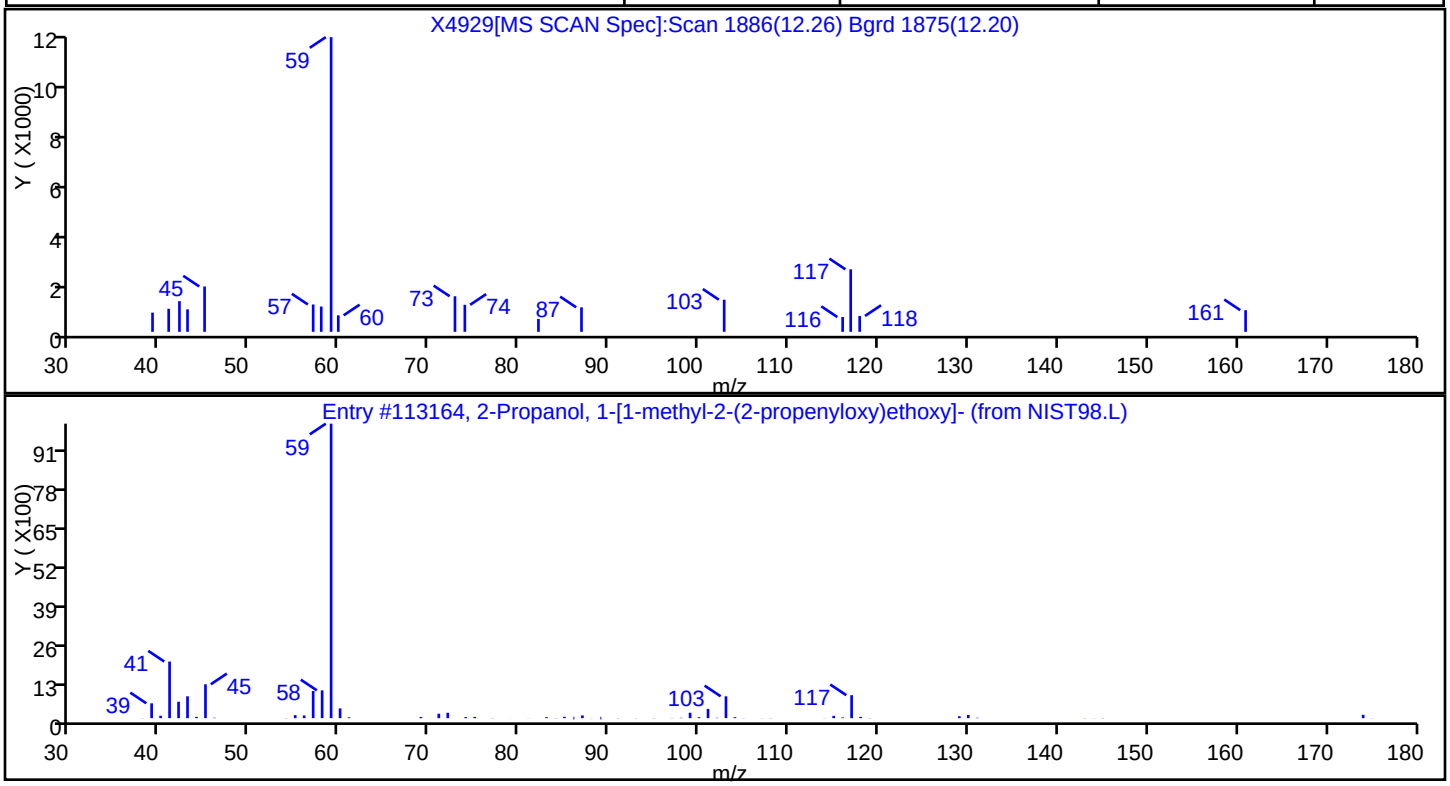
Injection Date:	06-Apr-2012 05:02:30	Limit Group:	MB - 8270C ICAL
Client ID:		Instrument ID:	HP5973X
Lims Batch ID:	58387	Lims Sample ID:	14
Operator ID:	RMM	Injection Vol:	1.00 ul
Column Type:	RXI-5Sil MS	Column Dia:	0.25 mm

Library Search Compound Match	CAS Number	Library	Entry	Quality
2-Propanol, 1-[1-methyl-2-(2-propenyloxy	55956-25-7	NIST98.L	113164	50



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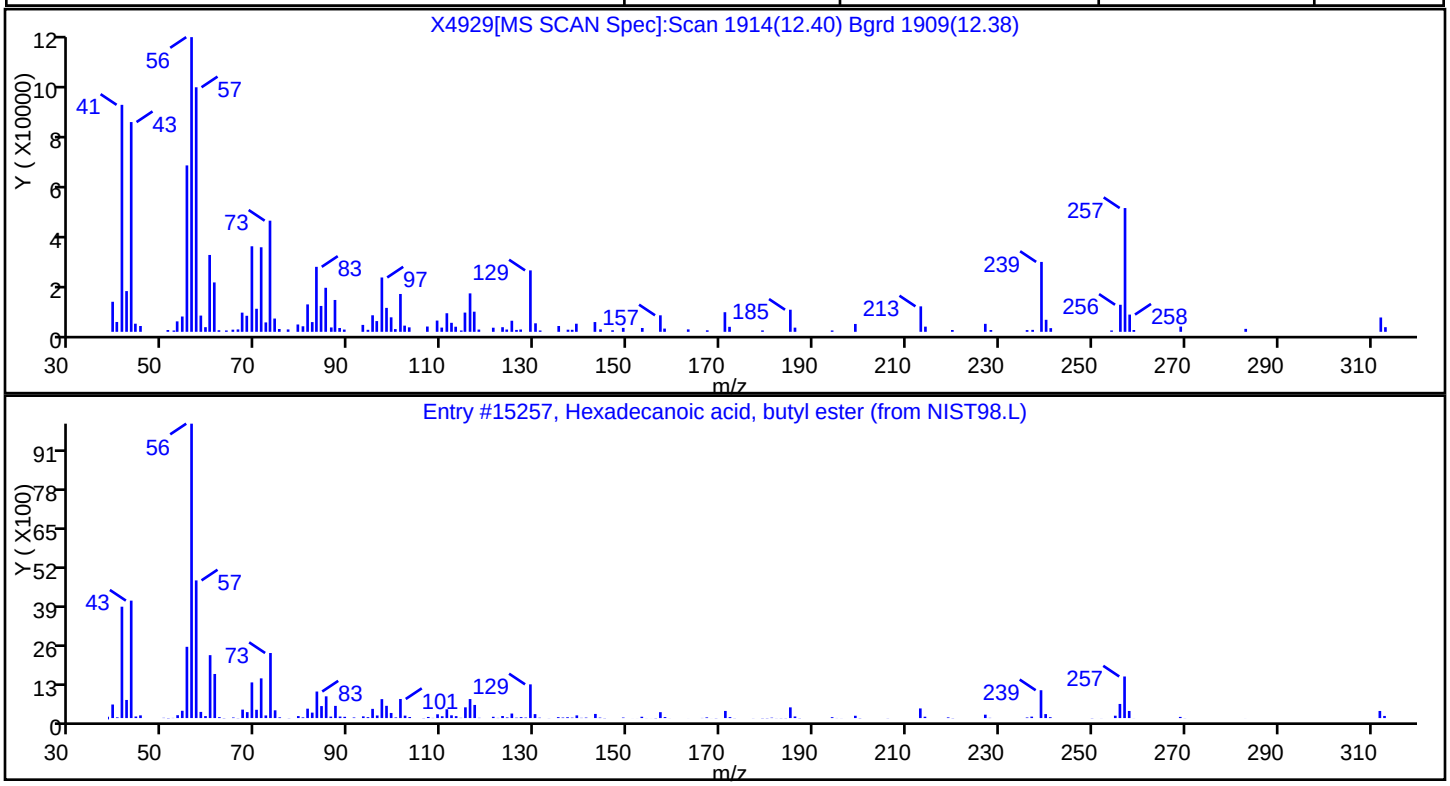
Injection Date: 06-Apr-2012 05:02:30 Limit Group: MB - 8270C ICAL
Client ID: Instrument ID: HP5973X
Lims Batch ID: 58387 Lims Sample ID: 14
Operator ID: RMM Injection Vol: 1.00 ul
Column Type: RXI-5Sil MS Column Dia: 0.25 mm

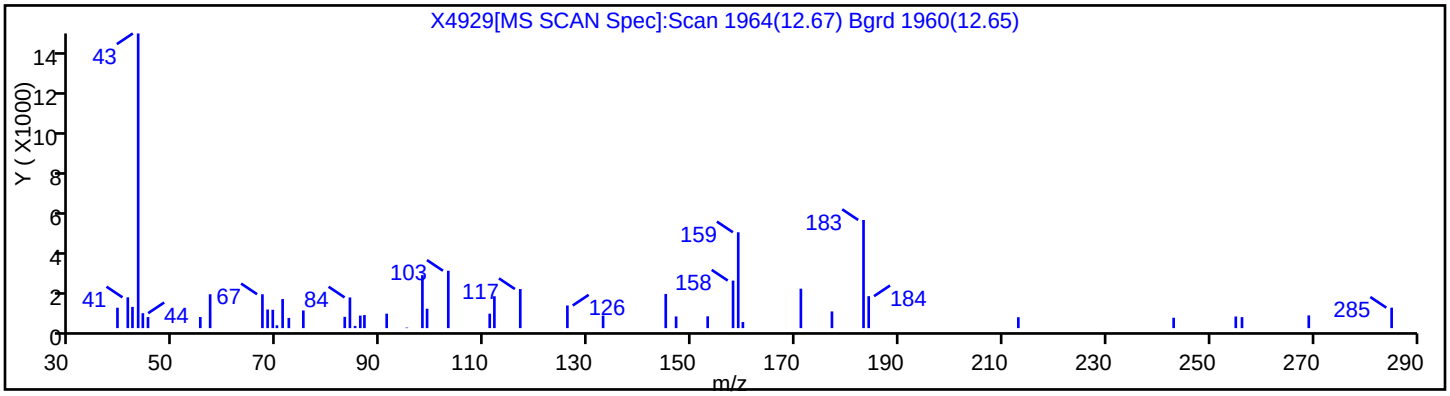
Library Search Compound Match	CAS Number	Library	Entry	Quality
Hexadecanoic acid, butyl ester	111-6-8	NIST98.L	15257	95



Report Date: 06-Apr-2012 10:02:14 Chrom Revision: 2.0 20-Feb-2012 13:27:02

Data File:	\\Bufchrom\ChromData\HP5973X\20120405-10764.b\X4929.D		
Injection Date:	06-Apr-2012 05:02:30	Limit Group:	MB - 8270C ICAL
Client ID:		Instrument ID:	HP5973X
Lims Batch ID:	58387	Lims Sample ID:	14
Operator ID:	RMM	Injection Vol:	1.00 ul
Column Type:	RXI-5Sil MS	Column Dia:	0.25 mm

No Library Matches Found above the Threshold: 50



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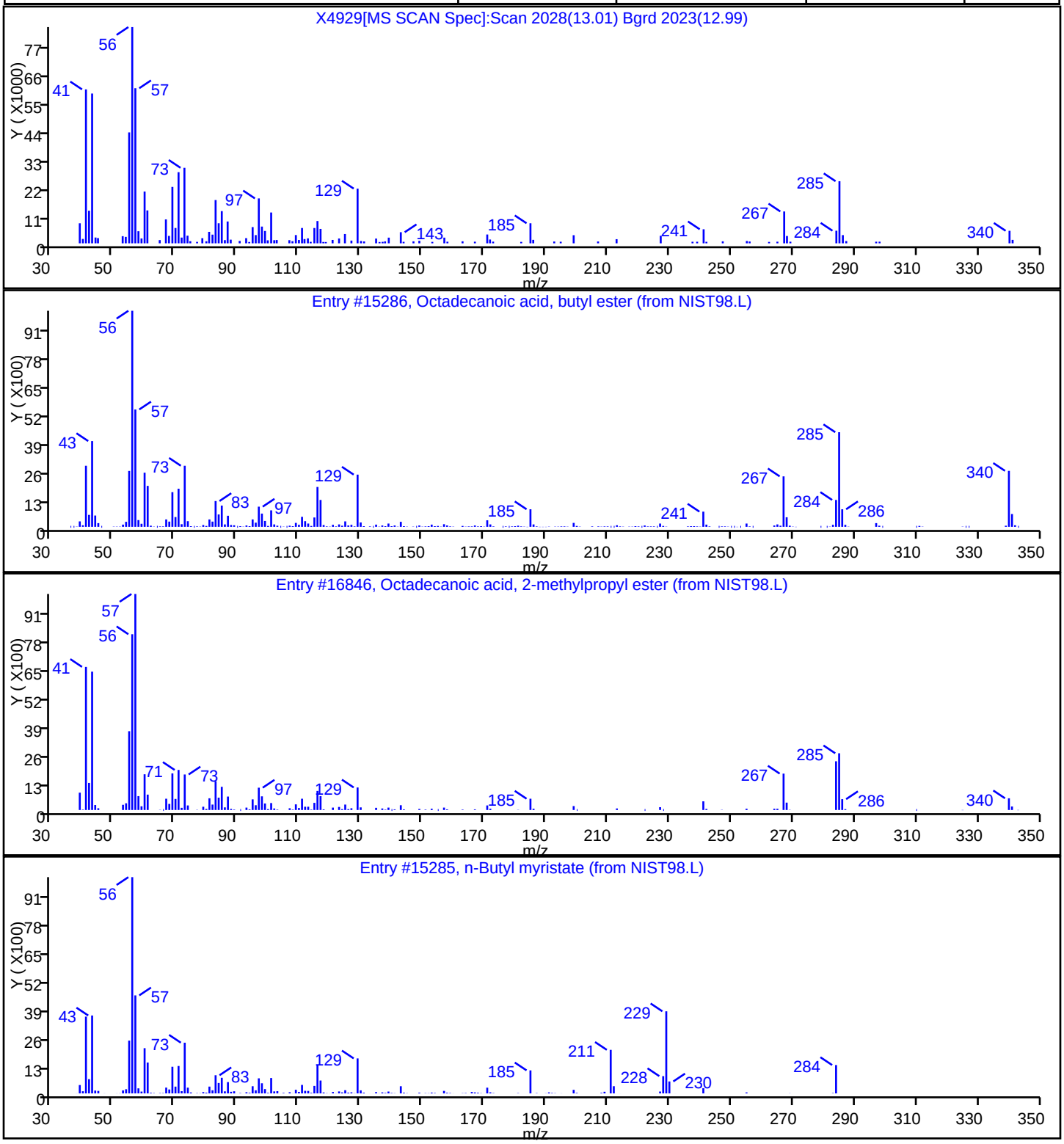
Injection Date: 06-Apr-2012 05:02:30 Limit Group: MB - 8270C ICAL
Client ID: Instrument ID: HP5973X
Lims Batch ID: 58387 Lims Sample ID: 14
Operator ID: RMM Injection Vol: 1.00 ul
Column Type: RXI-5Sil MS Column Dia: 0.25 mm

Library Search Compound Match	CAS Number	Library	Entry	Quality
Octadecanoic acid, butyl ester	123-95-5	NIST98.L	15286	93
Octadecanoic acid, 2-methylpropyl ester	646-13-9	NIST98.L	16846	62
n-Butyl myristate	110-36-1	NIST98.L	15285	50



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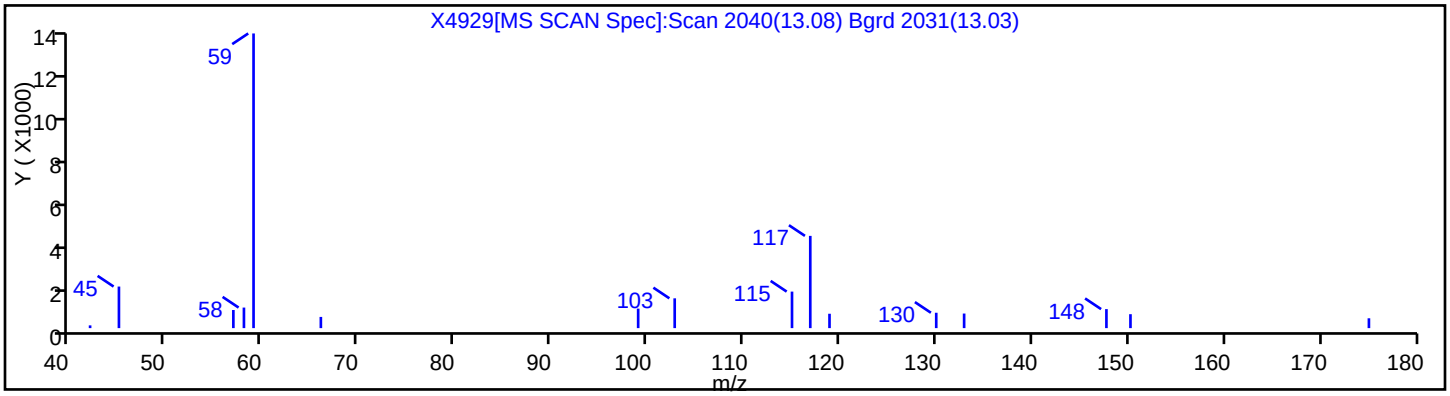
Data File: \\Bufchrom\ChromData\HP5973X\20120405-10764.b\X4929.D

Injection Date:	06-Apr-2012 05:02:30	Limit Group:	MB - 8270C ICAL
Client ID:		Instrument ID:	HP5973X
Lims Batch ID:	58387	Lims Sample ID:	14
Operator ID:	RMM	Injection Vol:	1.00 ul
Column Type:	RXI-5Sil MS	Column Dia:	0.25 mm

No Library Matches Found above the Threshold: 50



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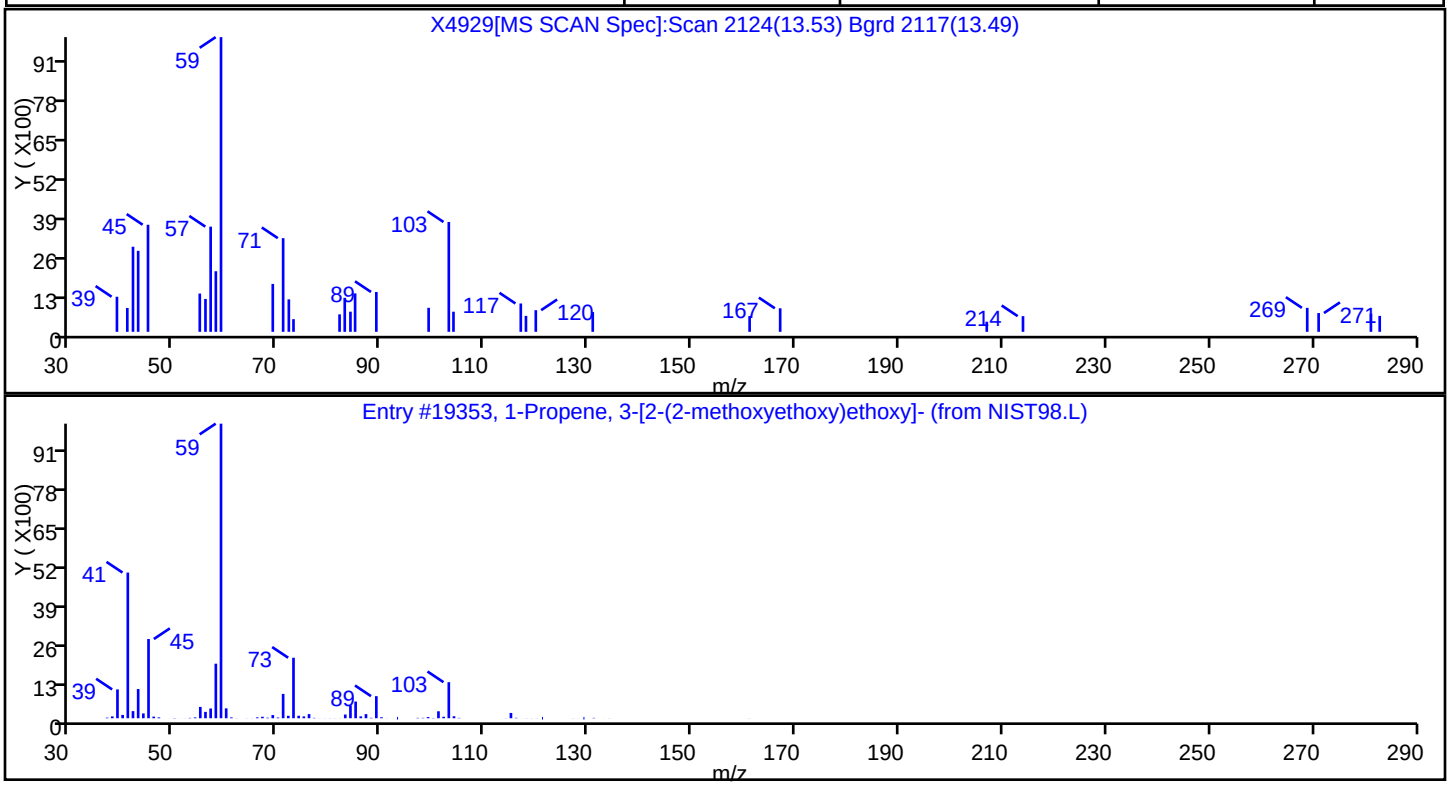
Injection Date: 06-Apr-2012 05:02:30 Limit Group: MB - 8270C ICAL
Client ID: Instrument ID: HP5973X
Lims Batch ID: 58387 Lims Sample ID: 14
Operator ID: RMM Injection Vol: 1.00 ul
Column Type: RXI-5Sil MS Column Dia: 0.25 mm

Library Search Compound Match	CAS Number	Library	Entry	Quality
1-Propene, 3-[2-(2-methoxyethoxy)ethoxy]	13752-97-1	NIST98.L	19353	53



Report Date: 06-Apr-2012 10:02:14 Chrom Revision: 2.0 20-Feb-2012 13:27:02

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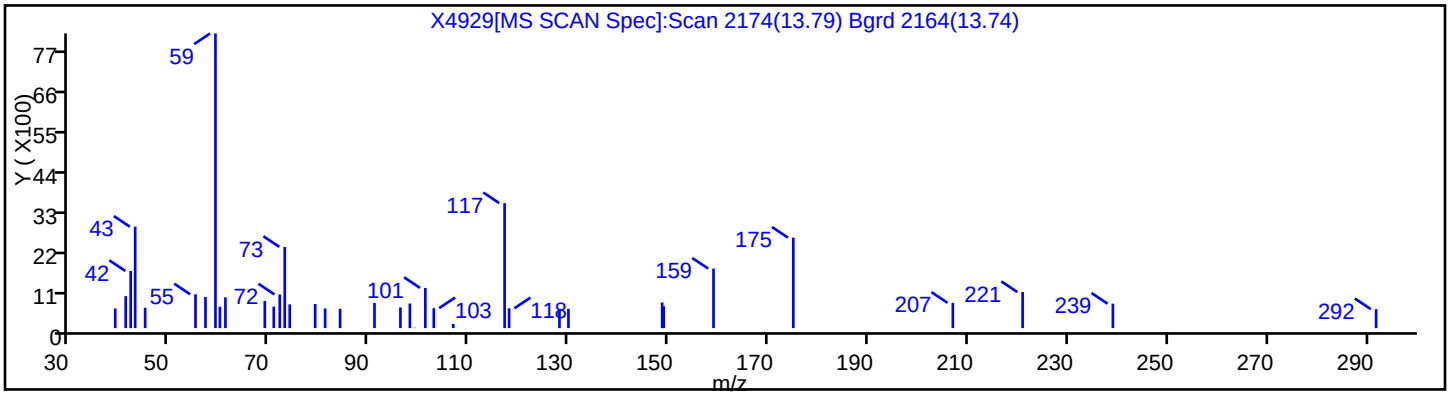
Injection Date:	06-Apr-2012 05:02:30	Limit Group:	MB - 8270C ICAL
Client ID:		Instrument ID:	HP5973X
Lims Batch ID:	58387	Lims Sample ID:	14
Operator ID:	RMM	Injection Vol:	1.00 ul
Column Type:	RXI-5Sil MS	Column Dia:	0.25 mm

No Library Matches Found above the Threshold: 50



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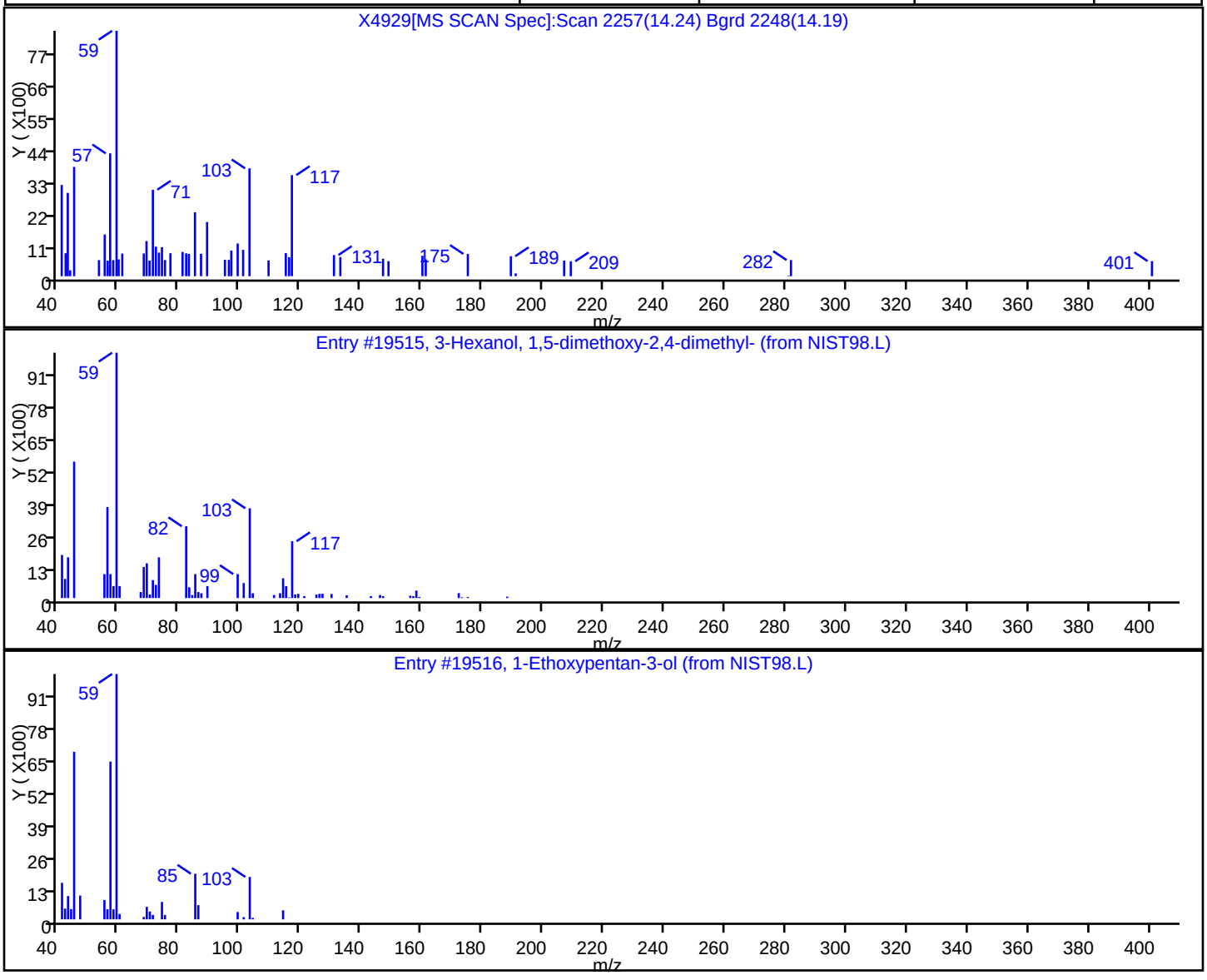
Injection Date: 06-Apr-2012 05:02:30 Limit Group: MB - 8270C ICAL
Client ID: Instrument ID: HP5973X
Lims Batch ID: 58387 Lims Sample ID: 14
Operator ID: RMM Injection Vol: 1.00 ul
Column Type: RXI-5Sil MS Column Dia: 0.25 mm

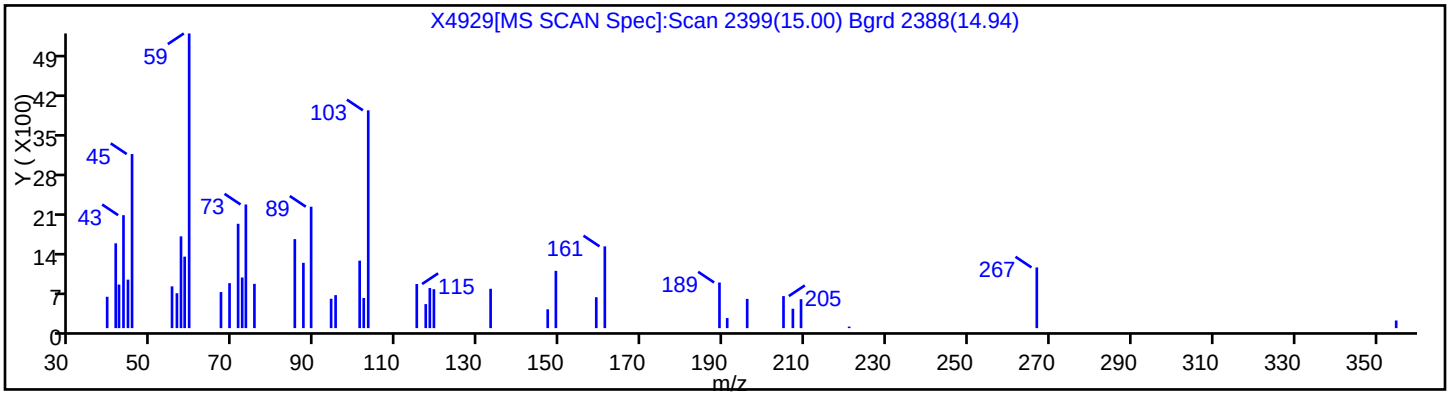
Library Search Compound Match	CAS Number	Library	Entry	Quality
3-Hexanol, 1,5-dimethoxy-2,4-dimethyl-	13897-22-8	NIST98.L	19515	50
1-Ethoxypentan-3-ol	100910-92-7	NIST98.L	19516	50



Report Date: 06-Apr-2012 10:02:14 Chrom Revision: 2.0 20-Feb-2012 13:27:02

Data File:	\\Bufchrom\ChromData\HP5973X\20120405-10764.b\X4929.D		
Injection Date:	06-Apr-2012 05:02:30	Limit Group:	MB - 8270C ICAL
Client ID:		Instrument ID:	HP5973X
Lims Batch ID:	58387	Lims Sample ID:	14
Operator ID:	RMM	Injection Vol:	1.00 ul
Column Type:	RXI-5Sil MS	Column Dia:	0.25 mm

No Library Matches Found above the Threshold: 50



FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Buffalo | Job No.: 480-18068-1

SDG No.:

Client Sample ID: | Lab Sample ID: MB 480-58302/1-A

Matrix: Solid | Lab File ID: X4970.D

Analysis Method: 8270C | Date Collected:

Extract. Method: 3550B | Date Extracted: 04/05/2012 10:44

Sample wt/vol: +30.51(g) | Date Analyzed: 04/06/2012 22:15

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.: 58507 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
95-95-4	2,4,5-Trichlorophenol	ND		170	36
88-06-2	2,4,6-Trichlorophenol	ND		170	11
120-83-2	2,4-Dichlorophenol	ND		170	8.7
105-67-9	2,4-Dimethylphenol	ND		170	45
51-28-5	2,4-Dinitrophenol	ND		320	58
121-14-2	2,4-Dinitrotoluene	ND		170	26
606-20-2	2,6-Dinitrotoluene	ND		170	41
91-58-7	2-Chloronaphthalene	ND		170	11
95-57-8	2-Chlorophenol	ND		170	8.4
91-57-6	2-Methylnaphthalene	ND		170	2.0
95-48-7	2-Methylphenol	ND		170	5.1
88-74-4	2-Nitroaniline	ND		320	53
88-75-5	2-Nitrophenol	ND		170	7.6
91-94-1	3,3'-Dichlorobenzidine	ND		170	150
99-09-2	3-Nitroaniline	ND		320	38
534-52-1	4,6-Dinitro-2-methylphenol	ND		320	57
101-55-3	4-Bromophenyl phenyl ether	ND		170	53
59-50-7	4-Chloro-3-methylphenol	ND		170	6.8
106-47-8	4-Chloroaniline	ND		170	49
7005-72-3	4-Chlorophenyl phenyl ether	ND		170	3.5
106-44-5	4-Methylphenol	ND		320	9.2
100-01-6	4-Nitroaniline	ND		320	19
100-02-7	4-Nitrophenol	ND		320	40
83-32-9	Acenaphthene	ND		170	2.0
208-96-8	Acenaphthylene	ND		170	1.4
98-86-2	Acetophenone	ND		170	8.5
120-12-7	Anthracene	ND		170	4.2
1912-24-9	Atrazine	ND		170	7.4
100-52-7	Benzaldehyde	ND		170	18
56-55-3	Benzo(a)anthracene	ND		170	2.9
50-32-8	Benzo(a)pyrene	ND		170	4.0
205-99-2	Benzo(b)fluoranthene	ND		170	3.2
191-24-2	Benzo(g,h,i)perylene	ND		170	2.0
207-08-9	Benzo(k)fluoranthene	ND		170	1.8

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Buffalo | Job No.: 480-18068-1

SDG No.:

Client Sample ID: | Lab Sample ID: MB 480-58302/1-A

Matrix: Solid | Lab File ID: X4970.D

Analysis Method: 8270C | Date Collected:

Extract. Method: 3550B | Date Extracted: 04/05/2012 10:44

Sample wt/vol: +30.51(g) | Date Analyzed: 04/06/2012 22:15

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.: 58507 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
92-52-4	Biphenyl	ND		170	10
108-60-1	bis (2-chloroisopropyl) ether	ND		170	17
111-91-1	Bis(2-chloroethoxy)methane	ND		170	9.0
111-44-4	Bis(2-chloroethyl)ether	ND		170	14
117-81-7	Bis(2-ethylhexyl) phthalate	ND		170	53
85-68-7	Butyl benzyl phthalate	ND		170	45
105-60-2	Caprolactam	ND		170	72
86-74-8	Carbazole	ND		170	1.9
218-01-9	Chrysene	ND		170	1.7
53-70-3	Dibenz(a,h)anthracene	ND		170	2.0
132-64-9	Dibenzofuran	ND		170	1.7
84-66-2	Diethyl phthalate	ND		170	5.0
131-11-3	Dimethyl phthalate	ND		170	4.3
84-74-2	Di-n-butyl phthalate	ND		170	57
117-84-0	Di-n-octyl phthalate	ND		170	3.9
206-44-0	Fluoranthene	ND		170	2.4
86-73-7	Fluorene	ND		170	3.8
118-74-1	Hexachlorobenzene	ND		170	8.2
87-68-3	Hexachlorobutadiene	ND		170	8.5
77-47-4	Hexachlorocyclopentadiene	ND		170	50
67-72-1	Hexachloroethane	ND		170	13
193-39-5	Indeno(1,2,3-cd)pyrene	ND		170	4.6
78-59-1	Isophorone	ND		170	8.3
91-20-3	Naphthalene	ND		170	2.8
98-95-3	Nitrobenzene	ND		170	7.4
621-64-7	N-Nitrosodi-n-propylamine	ND		170	13
86-30-6	N-Nitrosodiphenylamine	ND		170	9.1
87-86-5	Pentachlorophenol	ND		320	57
85-01-8	Phenanthrene	ND		170	3.5
108-95-2	Phenol	ND		170	17
129-00-0	Pyrene	ND		170	1.1

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Buffalo | Job No.: 480-18068-1

SDG No.:

Client Sample ID: | Lab Sample ID: MB 480-58302/1-A

Matrix: Solid | Lab File ID: X4970.D

Analysis Method: 8270C | Date Collected:

Extract. Method: 3550B | Date Extracted: 04/05/2012 10:44

Sample wt/vol: +30.51(g) | Date Analyzed: 04/06/2012 22:15

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.: 58507 | Units: ug/Kg

CAS NO.	SURROGATE	%REC	Q	LIMITS
118-79-6	2,4,6-Tribromophenol	119		39-146
321-60-8	2-Fluorobiphenyl	98		37-120
367-12-4	2-Fluorophenol	86		18-120
4165-60-0	Nitrobenzene-d5	103		34-132
1718-51-0	p-Terphenyl-d14	136		65-153
4165-62-2	Phenol-d5	89		11-120

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

Lab Name: TestAmerica Buffalo | Job No.: 480-18068-1

SDG No.:

Client Sample ID: | Lab Sample ID: MB 480-58302/1-A

Matrix: Solid | Lab File ID: X4970.D

Analysis Method: 8270C | Date Collected:

Extract. Method: 3550B | Date Extracted: 04/05/2012 10:44

Sample wt/vol: +30.51(g) | Date Analyzed: 04/06/2012 22:15

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.: 58507 | Units: ug/Kg

Number TICs Found: 0 | TIC Result Total: 0

CAS NO.	COMPOUND NAME	RT	RESULT	Q
	Tentatively Identified Compound		None	

TestAmerica Laboratories
Target Compound Quantitation Report

Data File: \\Bufchrom\ChromData\HP5973X\20120406-10792.b\X4970.D
Lims ID: MB 480-58302/1-A Client ID:
Inject. Date: 06-Apr-2012 22:15:30 Dil. Factor: 1.0000
Sample Type: MB
Sample ID: 480-0010792-020
Misc. Info.:
Operator: RMM Instrument ID: HP5973X
Vol. Injected: 1.0000 ALS Bottle#: 21
Lims Batch ID: 58507 Lims Sample ID: 20
Detector: MS SCAN

Method: \\Bufchrom\ChromData\HP5973X\20120406-10792.b\X-8270.m
Last Update: 07-Apr-2012 11:21:51 Calib Date: 03-Apr-2012 15:26:30
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\Bufchrom\ChromData\HP5973X\20120403-10684.b\X4785.D
Limit Group: MB - 8270C ICAL
Integrator: RTE ID Type: Deconvolution ID
Process Host: CORP-CTX-16

First Level Reviewer: mckernar Date: 07-Apr-2012 11:21:51

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ng/uL	Flags
* 1 1,4-Dichlorobenzene-d4	152	5.842	5.810	0.032	94	56009	40.0	
* 2 Naphthalene-d8	136	7.343	7.322	0.021	89	217215	40.0	
* 3 Acenaphthene-d10	164	9.405	9.400	0.005	57	147796	40.0	
* 4 Phenanthrene-d10	188	11.029	11.024	0.005	99	239154	40.0	
* 5 Chrysene-d12	240	13.433	13.417	0.016	98	209062	40.0	
* 6 Perylene-d12	264	14.635	14.614	0.021	98	192232	40.0	
$ 7 2-Fluorophenol	112	4.287	4.239	0.048	93	226387	128.5	
$ 8 Phenol-d5	99	5.468	5.431	0.037	83	326604	134.0	
$ 9 Nitrobenzene-d5	82	6.510	6.478	0.032	94	274220	103.3	
$ 10 2-Fluorobiphenyl	172	8.625	8.615	0.010	99	443031	97.9	
$ 11 2,4,6-Tribromophenol	330	10.319	10.308	0.011	84	131830	178.6	
$ 12 p-Terphenyl-d14	244	12.530	12.509	0.021	96	579695	135.8	
37 4-Chlorotoluene	91		0.000					
33 1,3,5-Trichlorobenzene	180		0.000					
40 2-Chlorobenzotrifluoride	1		0.000					
49 Benzeneacetic acid (TIC)	1		0.000					
52 4-Chlorophenol	1		0.000					
19 Chlorotoluene N.O.S	1		0.000					
17 2,4,5-Trichlorotoluene	1		0.000					
18 1-Methylcyclopentanol	1		0.000					
15 4,4'-Methylene bis(2-chloroanili	1		0.000					
32 Pendimethalin	1		0.000					
226 CBF-400	1		0.000					
46 2-Chlorotoluene	91		0.000					
232 4,4'-Methylene bis(2-chloroanili	1		0.000					
230 1,3-phenylenediamine TIC	1		0.000					
27 2,6-Dichlorotoluene	1		0.000					
31 5-Ethyl-5-phenyl barbituric acid	1		0.000					
225 5-Methyl-o-Anisidine TIC	1		0.000					
42 3-Chlorotoluene	1		0.000					
24 2-Methylanthracene	1		0.000					

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ng/uL	Flags
13 Dimethylformamide	1		0.000					
22 CN-500	1		0.000					
39 2-Aminopyridine	1		0.000					
14 Benzo[e]pyrene	1		0.000					
228 CBF-500	1		0.000					
43 CU-600	1		0.000					
53 3-Chlorobenzotrifluoride	1		0.000					
50 CAG-800	1		0.000					
36 4-Chlorobenzotrifluoride	1		0.000					
20 Lidocaine	1		0.000					
34 N-Methylaniline	1		0.000					
47 Chlorobenzotrifluoride N.O.S	1		0.000					
229 o-Anisidine TIC	1		0.000					
45 n,n'-Dimethylacetamide	1		0.000					
38 2,4-Dichlorotoluene	1		0.000					
51 Phenylacetic Acid	1		0.000					
30 Benzeneacetonitrile	1		0.000					
16 1,2,3,4 -Tetrachlorobenzene	216		0.000					
25 2,3-Dichlorophenol	1		0.000					
26 NVF-400	1		0.000					
231 2,4-Xylidine TIC	1		0.000					
54 1,4-Dioxane	88		2.404					
55 N-Nitrosodimethylamine	42		2.599					
56 Pyridine	52		2.653					
57 2-Picoline	93		3.574					
58 N-Nitrosomethylethylamine	88		3.691					
59 Methyl methanesulfonate	80		4.087					
60 N-Nitrosodiethylamine	102		4.552					
44 4-Chloropyridine	78		4.626					
41 3-Chloropyridine	78		4.696					
61 Ethyl methanesulfonate	79		4.942					
21 2-Chloropyridine	78		5.134					
62 Benzaldehyde	77		5.286					
64 Aniline	93		5.420					
63 Phenol	94		5.447					
65 Pentachloroethane	167		5.497					
66 Bis(2-chloroethyl)ether	93		5.505					
67 2-Chlorophenol	128		5.564					
69 1,3-Dichlorobenzene	146		5.730					
23 p-Fluoroaniline	111		5.796					
70 1,4-Dichlorobenzene	146		5.821					
72 1,2-Dichlorobenzene	146		6.002					
71 Benzyl alcohol	108		6.002					
68 n-Decane	57		6.060					
74 2,2'-oxybis[1-chloropropane]	45		6.157					
73 2-Methylphenol	108		6.163					
76 Acetophenone	105		6.307					
78 N-Nitrosodi-n-propylamine	70		6.312					
75 N-Nitrosopyrrolidine	100		6.320					
79 4-Methylphenol	108		6.355					
77 N-Nitrosomorpholine	56		6.363					
80 2-Toluidine	106		6.373					

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ng/uL	Flags
81 Hexachloroethane	117		6.398					
82 4-Methylbenzenamine	106		6.443					
83 Nitrobenzene	77		6.499					
84 Pentachlorophenol_T	266		6.579					
29 2,6-Dichloropyridine	112		6.662					
92 o-Anisidine	108		6.662					
85 N-Nitrosopiperidine	114		6.710					
86 Isophorone	82		6.793					
87 2-Nitrophenol	139		6.878					
88 2-Chloroaniline	127		6.918					
90 Tetraethyl lead	237		6.975					
89 2,4-Dimethylphenol	107		6.980					
91 o,o',o''-Triethylphosphorothioat	198		7.052					
94 Bis(2-chloroethoxy)methane	93		7.065					
96 alpha,alpha-Dimethyl phenethylam	58		7.164					
97 2,4-Dichlorophenol	162		7.194					
95 Benzoic acid	105		7.247					
98 1,2,4-Trichlorobenzene	180		7.258					
99 Naphthalene	128		7.343					
100 Alpha-Terpineol	59		7.399					
108 5-Methyl-o-Anisidine	122		7.416					
101 4-Chloroaniline	127		7.445					
103 Hexachloropropene	213		7.463					
102 2,6-Dichlorophenol	162		7.468					
104 Hexachlorobutadiene	225		7.498					
35 Quinoline	129		7.827					
106 N-Nitrosodi-n-butylamine	84		7.858					
105 Caprolactam	113		7.872					
107 p-Phenylene diamine	108		7.896					
109 Benzidine_T	184		7.925					
110 4-Chloro-3-methylphenol	107		8.059					
112 Safrole, Total	162		8.099					
111 4,4'-DDE	246		8.101					
113 2-Methylnaphthalene	142		8.171					
114 Phthalic anhydride	104		8.296					
116 Hexachlorocyclopentadiene	237		8.353					
117 1,2,4,5-Tetrachlorobenzene	216		8.374					
115 4,4'-DDD	235		8.390					
118 2,4,6-Trichlorophenol	196		8.529					
120 4,4'-DDT	235		8.593					
119 2,4,5-Trichlorophenol	196		8.599					
122 Isosafrole	162		8.708					
123 1,1'-Biphenyl	154		8.732					
124 2-Chloronaphthalene	162		8.743					
121 2,3-Dichlorobenzenamine	161		8.886					
125 2-Nitroaniline	65		8.903					
126 1,4-Naphthoquinone	158		8.991					
28 Dicyclohexlamine	138		9.028					
127 1,4-Dinitrobenzene	168		9.092					
128 Dimethyl phthalate	163		9.122					
129 1,3-Dinitrobenzene	168		9.178					
130 2,6-Dinitrotoluene	165		9.197					

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ng/uL	Flags
131 Acenaphthylene	152		9.229					
132 3-Nitroaniline	138		9.400					
133 Acenaphthene	153		9.432					
134 2,4-Dinitrophenol	184		9.528					
136 Pentachlorobenzene	250		9.605					
138 Dibenzofuran	168		9.640					
137 2,4-Dinitrotoluene	165		9.672					
135 4-Nitrophenol	109		9.683					
139 1-Naphthylamine	143		9.766					
140 2,3,4,6-Tetrachlorophenol	232		9.822					
141 2-Naphthylamine	143		9.862					
142 Diethyl phthalate	149		9.950					
144 Fluorene	166		10.036					
145 4-Chlorophenyl phenyl ether	204		10.046					
143 Thionazin	97		10.049					
146 N-Nitro-o-toluidine	152		10.102					
147 4-Nitroaniline	138		10.110					
148 4,6-Dinitro-2-methylphenol	198		10.132					
149 N-Nitrosodiphenylamine	169		10.185					
150 Diphenylamine	169		10.204					
151 Tributyl phosphate	99		10.209					
152 1,2-Diphenylhydrazine	77		10.217					
153 Azobenzene	77		10.289					
154 Sulfotepp	322		10.396					
156 Diallate	43		10.514					
157 Phorate	75		10.524					
159 4-Bromophenyl phenyl ether	248		10.565					
155 1,3,5-Trinitrobenzene	213		10.572					
158 Phenacetin	108		10.588					
160 Hexachlorobenzene	284		10.618					
161 Dimethoate	87		10.722					
162 Simazine	201		10.775					
163 Atrazine	200		10.784					
165 Pentachlorophenol	266		10.848					
166 Pentachloronitrobenzene	237		10.866					
164 4-Aminobiphenyl	169		10.871					
167 Pronamide	173		10.946					
171 Phenanthrene	178		11.035					
169 Disulfoton	88		11.064					
170 Dinoseb	211		11.064					
172 Anthracene	178		11.088					
173 Carbazole	167		11.270					
168 n-Octadecane	57		11.290					
175 Alachlor	160		11.427					
174 Methyl parathion	109		11.432					
176 Di-n-butyl phthalate	149		11.612					
177 Ethyl Parathion	97		11.801					
178 4-Nitroquinoline-1-oxide	190		11.844					
179 Anthraquinone	180		11.892					
180 Methapyrilene	58		11.897					
181 Isodrin	193		12.041					
182 Fluoranthene	202		12.162					

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ng/uL	Flags
184 1-Hydroxyanthraquinone	224		12.282					
183 Benzidine	184		12.301					
185 Pyrene	202		12.360					
186 Aramite, Total	185		12.597					
187 p-Dimethylamino azobenzene	120		12.666					
189 1,4-Dihydroxyanthraquinone	240		12.693					
188 Chlorobenzilate	139		12.704					
190 Famphur	218		12.928					
191 3,3'-Dimethylbenzidine	212		12.931					
192 Butyl benzyl phthalate	149		12.937					
193 Kepone	272		12.976					
194 9-Octadecenamide	72		13.019					
195 2-Acetylaminofluorene	181		13.195					
196 3,3'-Dichlorobenzidine	252		13.396					
197 Benzo[a]anthracene	228		13.412					
198 Bis(2-ethylhexyl) phthalate	149		13.428					
199 Chrysene	228		13.444					
201 Di-n-octyl phthalate	149		13.968					
200 Tricresyl phosphate	368		14.147					
203 Benzo[b]fluoranthene	252		14.315					
202 7,12-Dimethylbenz(a)anthracene	256		14.323					
204 Benzo[k]fluoranthene	252		14.336					
205 Hexachlorophene	196		14.477					
206 Benzo[a]pyrene	252		14.587					
207 3-Methylcholanthrene	252		14.910					
208 Indeno[1,2,3-cd]pyrene	276		15.634					
209 Dibenz(a,h)anthracene	278		15.640					
210 Benzo[g,h,i]perylene	276		15.917					
211 Dibenzo[a,e]pyrene	302		18.951					
S 214 3-Methylphenol	1		0.000					
S 213 Total Cresols	1		0.000					
S 212 3 & 4 Methylphenol	108		0.000					
T 218 Prometryn (TIC)	1		0.000					1
T 219 1-Methylnaphthalene (TIC)	1		0.000					1
T 220 2,3,7,8-TCDD	322		0.000					1
T 215 Pendimethalin (TIC)	1		0.000					1
T 216 trans Azobenzene (TIC)	1		0.000					1
T 217 Benefin (TIC)	1		0.000					1
T 227 Tris(2,3-dibromopropyl)phosphate	1		0.000					1

QC Flag Legend

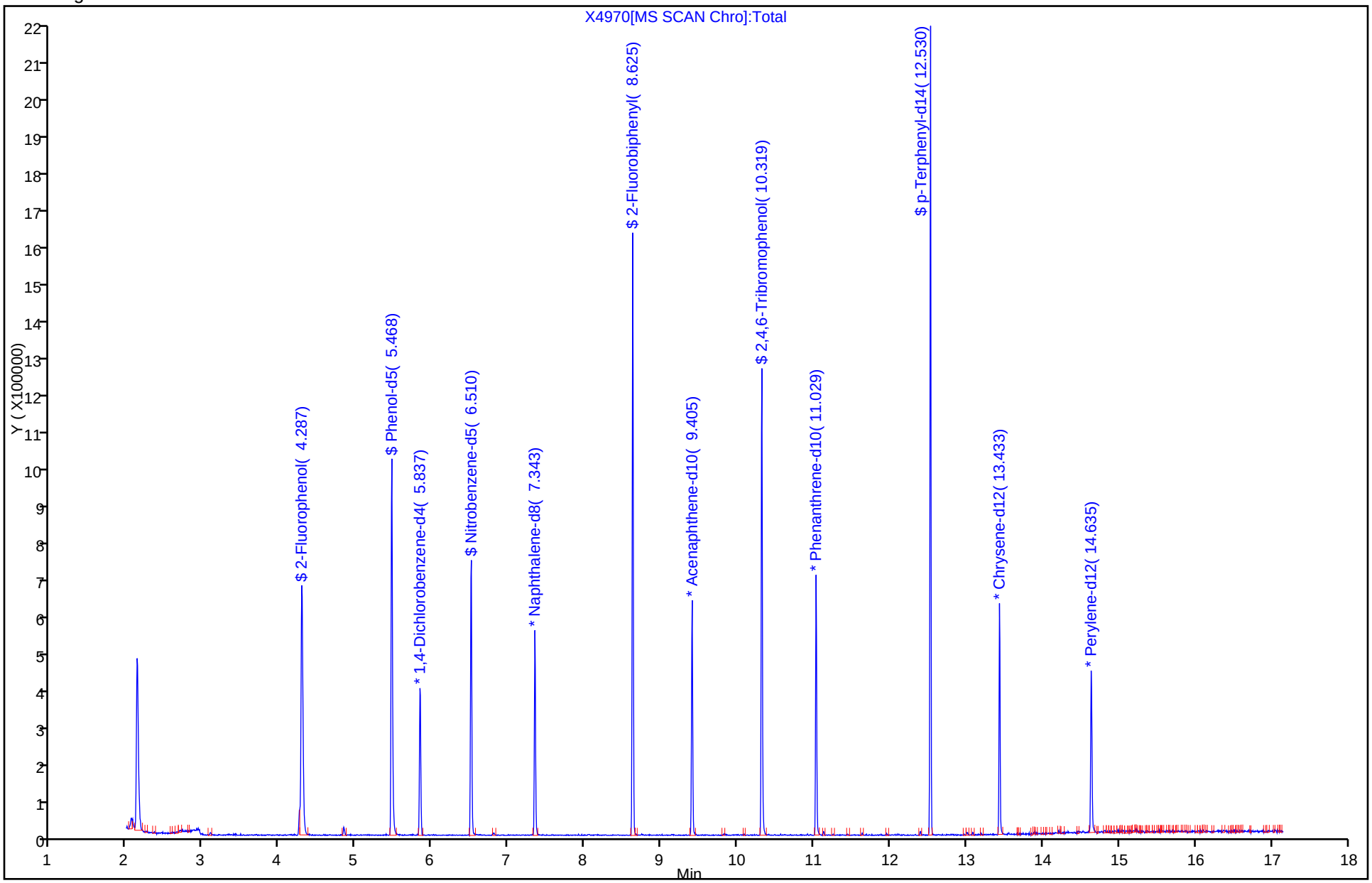
Processing Flags
1 - Missing Peaks

Report Date: 07-Apr-2012 11:21:51 Chrom Revision: 2.0 20-Feb-2012 13:27:02

Data File: \\Bufchrom\ChromData\HP5973X\20120406-10792.b\X4970.D

Injection Date:	06-Apr-2012 22:15:30	Limit Group:	MB - 8270C ICAL
Client ID:		Instrument ID:	HP5973X
Lims Batch ID:	58507	Lims Sample ID:	20
Operator ID:	RMM	Injection Vol:	1.00 ul
Column Type:	RXI-5Sil MS	Column Dia:	0.25 mm

Y Scaling:



FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Buffalo | Job No.: 480-18068-1

SDG No.:

Client Sample ID: | Lab Sample ID: LCS 480-58223/2-A

Matrix: Water | Lab File ID: X4930.D

Analysis Method: 8270C | Date Collected:

Extract. Method: 3510C | Date Extracted: 04/05/2012 07:38

Sample wt/vol: 1000(mL) | Date Analyzed: 04/06/2012 05:25

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.: 58387 | Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
95-95-4	2,4,5-Trichlorophenol	101		5.0	0.48
88-06-2	2,4,6-Trichlorophenol	85.9		5.0	0.61
120-83-2	2,4-Dichlorophenol	77.9		5.0	0.51
105-67-9	2,4-Dimethylphenol	84.0		5.0	0.50
51-28-5	2,4-Dinitrophenol	82.8		10	2.2
121-14-2	2,4-Dinitrotoluene	102		5.0	0.45
606-20-2	2,6-Dinitrotoluene	95.0		5.0	0.40
91-58-7	2-Chloronaphthalene	83.7		5.0	0.46
95-57-8	2-Chlorophenol	74.5		5.0	0.53
91-57-6	2-Methylnaphthalene	72.0		5.0	0.60
95-48-7	2-Methylphenol	73.7		5.0	0.40
88-74-4	2-Nitroaniline	108		10	0.42
88-75-5	2-Nitrophenol	77.7		5.0	0.48
91-94-1	3,3'-Dichlorobenzidine	81.6		5.0	0.40
99-09-2	3-Nitroaniline	90.5		10	0.48
534-52-1	4,6-Dinitro-2-methylphenol	104		10	2.2
101-55-3	4-Bromophenyl phenyl ether	97.9		5.0	0.45
59-50-7	4-Chloro-3-methylphenol	91.3		5.0	0.45
106-47-8	4-Chloroaniline	75.7		5.0	0.59
7005-72-3	4-Chlorophenyl phenyl ether	94.1		5.0	0.35
106-44-5	4-Methylphenol	147		10	0.36
100-01-6	4-Nitroaniline	95.0		10	0.25
100-02-7	4-Nitrophenol	36.9		10	1.5
83-32-9	Acenaphthene	86.7		5.0	0.41
208-96-8	Acenaphthylene	88.2		5.0	0.38
98-86-2	Acetophenone	101		5.0	0.54
120-12-7	Anthracene	93.9		5.0	0.28
1912-24-9	Atrazine	124		5.0	0.46
100-52-7	Benzaldehyde	92.5		5.0	0.27
56-55-3	Benzo(a)anthracene	92.8		5.0	0.36
50-32-8	Benzo(a)pyrene	94.8		5.0	0.47
205-99-2	Benzo(b)fluoranthene	97.0		5.0	0.34
191-24-2	Benzo(g,h,i)perylene	72.5		5.0	0.35
207-08-9	Benzo(k)fluoranthene	92.7		5.0	0.73

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Buffalo | Job No.: 480-18068-1

SDG No.:

Client Sample ID: | Lab Sample ID: LCS 480-58223/2-A

Matrix: Water | Lab File ID: X4930.D

Analysis Method: 8270C | Date Collected:

Extract. Method: 3510C | Date Extracted: 04/05/2012 07:38

Sample wt/vol: 1000(mL) | Date Analyzed: 04/06/2012 05:25

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.: 58387 | Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
92-52-4	Biphenyl	81.9		5.0	0.65
108-60-1	bis (2-chloroisopropyl) ether	86.5		5.0	0.52
111-91-1	Bis(2-chloroethoxy)methane	80.5		5.0	0.35
111-44-4	Bis(2-chloroethyl)ether	80.4		5.0	0.40
117-81-7	Bis(2-ethylhexyl) phthalate	101		5.0	1.8
85-68-7	Butyl benzyl phthalate	90.6		5.0	0.42
105-60-2	Caprolactam	27.6		5.0	2.2
86-74-8	Carbazole	93.6		5.0	0.30
218-01-9	Chrysene	88.8		5.0	0.33
53-70-3	Dibenz(a,h)anthracene	84.7		5.0	0.42
132-64-9	Dibenzofuran	95.0		10	0.51
84-66-2	Diethyl phthalate	101		5.0	0.22
131-11-3	Dimethyl phthalate	96.3		5.0	0.36
84-74-2	Di-n-butyl phthalate	99.3		5.0	0.31
117-84-0	Di-n-octyl phthalate	98.9		5.0	0.47
206-44-0	Fluoranthene	92.3		5.0	0.40
86-73-7	Fluorene	97.8		5.0	0.36
118-74-1	Hexachlorobenzene	96.3		5.0	0.51
87-68-3	Hexachlorobutadiene	58.6		5.0	0.68
77-47-4	Hexachlorocyclopentadiene	59.4		5.0	0.59
67-72-1	Hexachloroethane	56.7		5.0	0.59
193-39-5	Indeno(1,2,3-cd)pyrene	86.8		5.0	0.47
78-59-1	Isophorone	91.9		5.0	0.43
91-20-3	Naphthalene	68.7		5.0	0.76
98-95-3	Nitrobenzene	83.6		5.0	0.29
621-64-7	N-Nitrosodi-n-propylamine	104		5.0	0.54
86-30-6	N-Nitrosodiphenylamine	97.5		5.0	0.51
87-86-5	Pentachlorophenol	88.1		10	2.2
85-01-8	Phenanthrene	95.4		5.0	0.44
108-95-2	Phenol	34.1		5.0	0.39
129-00-0	Pyrene	95.7		5.0	0.34

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Buffalo | Job No.: 480-18068-1

SDG No.:

Client Sample ID: | Lab Sample ID: LCS 480-58223/2-A

Matrix: Water | Lab File ID: X4930.D

Analysis Method: 8270C | Date Collected:

Extract. Method: 3510C | Date Extracted: 04/05/2012 07:38

Sample wt/vol: 1000(mL) | Date Analyzed: 04/06/2012 05:25

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.: 58387 | Units: ug/L

CAS NO.	SURROGATE	%REC	Q	LIMITS
118-79-6	2,4,6-Tribromophenol	101		52-132
321-60-8	2-Fluorobiphenyl	86		48-120
367-12-4	2-Fluorophenol	46		20-120
4165-60-0	Nitrobenzene-d5	83		46-120
1718-51-0	p-Terphenyl-d14	94		67-150
4165-62-2	Phenol-d5	33		16-120

TestAmerica Laboratories
Target Compound Quantitation Report

Data File: \\Bufchrom\ChromData\HP5973X\20120405-10764.b\X4930.D
Lims ID: LCS 480-58223/2-A Client ID:
Inject. Date: 06-Apr-2012 05:25:30 Dil. Factor: 1.0000
Sample Type: LCS
Sample ID: 480-0010764-015
Misc. Info.:
Operator: RMM Instrument ID: HP5973X
Vol. Injected: 1.0000 ALS Bottle#: 47
Lims Batch ID: 58387 Lims Sample ID: 15
Detector: MS SCAN

Method: \\Bufchrom\ChromData\HP5973X\20120405-10764.b\X-8270.m
Last Update: 06-Apr-2012 10:04:45 Calib Date: 03-Apr-2012 15:26:30
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\Bufchrom\ChromData\HP5973X\20120403-10684.b\X4785.D
Limit Group: MB - 8270C ICAL
Integrator: RTE ID Type: Deconvolution ID
Process Host: CORP-CTX-19

First Level Reviewer: mckernar Date: 06-Apr-2012 10:04:45

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ng/uL	Flags
* 1 1,4-Dichlorobenzene-d4	152	5.828	5.834	-0.006	93	55403	40.0	
* 2 Naphthalene-d8	136	7.340	7.340	0.0	90	226998	40.0	
* 3 Acenaphthene-d10	164	9.402	9.408	-0.006	95	161827	40.0	
* 4 Phenanthrene-d10	188	11.032	11.037	-0.005	98	274486	40.0	
* 5 Chrysene-d12	240	13.452	13.452	0.0	87	256025	40.0	
* 6 Perylene-d12	264	14.659	14.659	0.0	98	241604	40.0	
$ 7 2-Fluorophenol	112	4.295	4.322	-0.027	94	119676	68.7	
$ 8 Phenol-d5	99	5.465	5.481	-0.016	90	118357	49.1	
$ 9 Nitrobenzene-d5	82	6.502	6.512	-0.010	93	230024	83.0	
$ 10 2-Fluorobiphenyl	172	8.622	8.633	-0.011	99	425543	85.9	
$ 11 2,4,6-Tribromophenol	330	10.321	10.321	0.0	85	127853	150.9	
$ 12 p-Terphenyl-d14	244	12.538	12.549	-0.011	96	496032	94.3	
54 1,4-Dioxane	88	2.399	2.404	-0.005	80	28042	33.4	M
55 N-Nitrosodimethylamine	42	2.687	2.725	-0.038	98	73266	69.1	
56 Pyridine	52	2.751	2.773	-0.022	87	55076	54.6	M
62 Benzaldehyde	77	5.310	5.316	-0.006	93	136162	92.5	
64 Aniline	93	5.449	5.471	-0.022	97	203269	64.4	
63 Phenol	94	5.481	5.497	-0.016	60	92705	34.1	
66 Bis(2-chloroethyl)ether	93	5.529	5.551	-0.022	85	150960	80.4	
67 2-Chlorophenol	128	5.593	5.615	-0.022	90	134072	74.5	
69 1,3-Dichlorobenzene	146	5.754	5.775	-0.021	93	113394	54.3	
70 1,4-Dichlorobenzene	146	5.850	5.866	-0.016	89	118193	55.7	
72 1,2-Dichlorobenzene	146	6.026	6.042	-0.016	87	117383	57.2	
71 Benzyl alcohol	108	6.031	6.042	-0.011	96	100179	78.1	
74 2,2'-oxybis[1-chloropropane]	45	6.176	6.186	-0.010	85	142188	86.5	
73 2-Methylphenol	108	6.192	6.202	-0.010	90	132749	73.7	
76 Acetophenone	105	6.325	6.320	0.005	95	261543	101.0	
78 N-Nitrosodi-n-propylamine	70	6.336	6.347	-0.011	91	169767	104.0	
79 4-Methylphenol	108	6.389	6.395	-0.006	91	263647	146.8	
81 Hexachloroethane	117	6.416	6.432	-0.016	90	48744	56.7	
83 Nitrobenzene	77	6.523	6.534	-0.011	92	220342	83.6	

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ng/uL	Flags
86 Isophorone	82	6.817	6.827	-0.010	99	425146	91.9	
87 2-Nitrophenol	139	6.902	6.913	-0.011	85	82881	77.7	
90 Tetraethyl lead	237	6.988	6.998	-0.010	51	20444	20.4	
89 2,4-Dimethylphenol	107	6.998	7.009	-0.011	95	210526	84.0	
94 Bis(2-chloroethoxy)methane	93	7.089	7.095	-0.006	98	194155	80.5	
97 2,4-Dichlorophenol	162	7.212	7.228	-0.016	89	138688	77.9	
95 Benzoic acid	105	7.159	7.260	-0.101	55	15227	16.0	
98 1,2,4-Trichlorobenzene	180	7.276	7.287	-0.011	92	123692	65.2	
99 Naphthalene	128	7.362	7.372	-0.010	97	378974	68.7	
101 4-Chloroaniline	127	7.463	7.474	-0.011	92	172245	75.7	
104 Hexachlorobutadiene	225	7.511	7.522	-0.011	92	73578	58.6	
105 Caprolactam	113	7.944	7.875	0.069	83	13811	27.6	
110 4-Chloro-3-methylphenol	107	8.077	8.088	-0.011	95	197407	91.3	
113 2-Methylnaphthalene	142	8.179	8.190	-0.011	96	288776	72.0	
116 Hexachlorocyclopentadiene	237	8.361	8.371	-0.010	95	74441	59.4	
118 2,4,6-Trichlorophenol	196	8.542	8.548	-0.006	92	121035	85.9	
119 2,4,5-Trichlorophenol	196	8.612	8.622	-0.010	92	138160	100.7	
123 1,1'-Biphenyl	154	8.740	8.735	0.005	97	439542	81.9	
124 2-Chloronaphthalene	162	8.751	8.761	-0.010	97	337704	83.7	
125 2-Nitroaniline	65	8.916	8.922	-0.006	95	161363	107.6	
127 1,4-Dinitrobenzene	168	9.093	9.092	0.0	95	67068	118.2	
128 Dimethyl phthalate	163	9.135	9.141	-0.006	97	479449	96.3	
129 1,3-Dinitrobenzene	168	9.183	9.178	0.005	86	78627	121.5	
130 2,6-Dinitrotoluene	165	9.205	9.215	-0.010	60	105321	95.0	
131 Acenaphthylene	152	9.237	9.248	-0.011	98	576700	88.2	
132 3-Nitroaniline	138	9.418	9.418	0.0	92	102142	90.5	
133 Acenaphthene	153	9.445	9.451	-0.005	98	343266	86.7	
134 2,4-Dinitrophenol	184	9.547	9.552	-0.005	87	54588	82.8	
138 Dibenzofuran	168	9.648	9.659	-0.011	97	564189	95.0	
137 2,4-Dinitrotoluene	165	9.685	9.691	-0.006	88	155268	101.6	
135 4-Nitrophenol	109	9.723	9.728	-0.005	83	35051	36.9	M
140 2,3,4,6-Tetrachlorophenol	232	9.824	9.830	-0.006	92	114158	113.1	
142 Diethyl phthalate	149	9.963	9.963	0.0	97	532752	101.0	
144 Fluorene	166	10.043	10.049	-0.006	97	495010	97.8	
145 4-Chlorophenyl phenyl ether	204	10.054	10.060	-0.006	91	252145	94.1	
147 4-Nitroaniline	138	10.129	10.129	0.0	92	105917	95.0	
148 4,6-Dinitro-2-methylphenol	198	10.150	10.150	0.0	84	96842	103.8	
149 N-Nitrosodiphenylamine	169	10.198	10.204	-0.006	99	351536	97.5	
152 1,2-Diphenylhydrazine	77	10.230	10.230	0.0	98	643855	110.0	
159 4-Bromophenyl phenyl ether	248	10.583	10.583	0.0	88	149216	97.9	
160 Hexachlorobenzene	284	10.636	10.636	0.0	88	158030	96.3	
163 Atrazine	200	10.797	10.802	-0.005	91	151177	123.9	
165 Pentachlorophenol	266	10.871	10.872	-0.001	92	80053	88.1	
171 Phenanthrene	178	11.058	11.059	-0.001	99	695580	95.4	
172 Anthracene	178	11.112	11.112	0.0	99	679926	93.9	
173 Carbazole	167	11.294	11.299	-0.005	99	599739	93.6	
176 Di-n-butyl phthalate	149	11.635	11.641	-0.006	99	828180	99.3	
182 Fluoranthene	202	12.191	12.202	-0.011	99	699386	92.3	
183 Benzidine	184	12.341	12.341	0.0	99	264702	64.0	
185 Pyrene	202	12.394	12.405	-0.011	99	660668	95.7	
192 Butyl benzyl phthalate	149	12.971	12.976	-0.005	94	345155	90.6	
196 3,3'-Dichlorobenzidine	252	13.430	13.430	0.0	67	236654	81.6	

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ng/uL	Flags
197 Benzo[a]anthracene	228	13.446	13.452	-0.006	95	658552	92.8	
198 Bis(2-ethylhexyl) phthalate	149	13.457	13.468	-0.011	92	524386	100.9	
199 Chrysene	228	13.478	13.484	-0.006	96	565330	88.8	
201 Di-n-octyl phthalate	149	13.991	14.002	-0.011	99	775871	98.9	
203 Benzo[b]fluoranthene	252	14.339	14.344	-0.005	98	660335	97.0	
204 Benzo[k]fluoranthene	252	14.360	14.371	-0.011	97	669763	92.7	
206 Benzo[a]pyrene	252	14.611	14.622	-0.011	99	541591	94.8	
208 Indeno[1,2,3-cd]pyrene	276	15.669	15.674	-0.005	81	632055	86.8	
209 Dibenz(a,h)anthracene	278	15.669	15.680	-0.011	87	560210	84.7	
210 Benzo[g,h,i]perylene	276	15.941	15.957	-0.016	98	433483	72.5	
S 214 3-Methylphenol	1				0		146.8	

QC Flag Legend

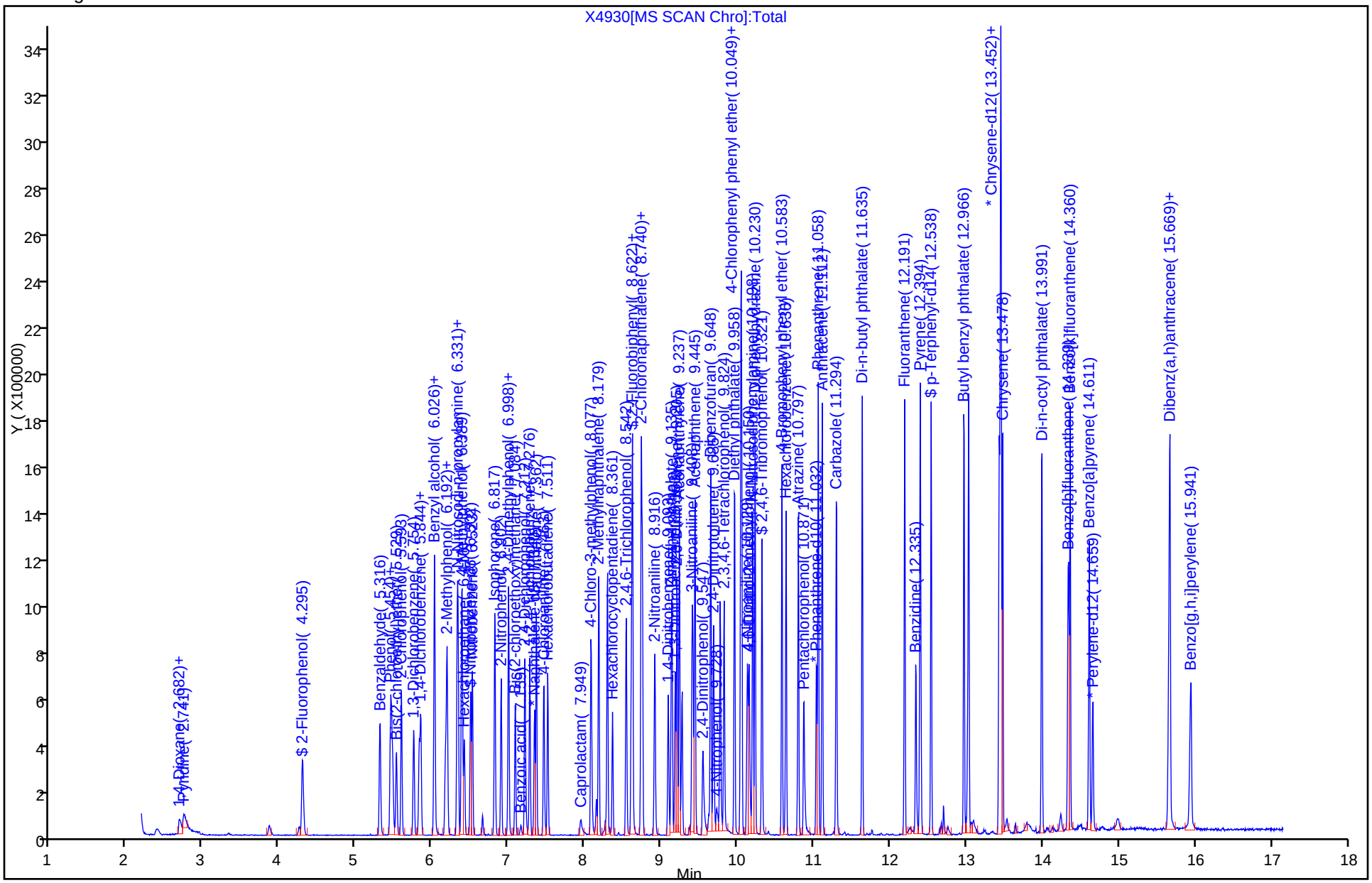
Review Flags
M - Manually Integrated

Report Date: 06-Apr-2012 10:04:46 Chrom Revision: 2.0 20-Feb-2012 13:27:02

Data File: \\Bufchrom\ChromData\HP5973X\20120405-10764.b\X4930.D

Injection Date:	06-Apr-2012 05:25:30	Limit Group:	MB - 8270C ICAL
Client ID:		Instrument ID:	HP5973X
Lims Batch ID:	58387	Lims Sample ID:	15
Operator ID:	RMM	Injection Vol:	1.00 ul
Column Type:	RXI-5Sil MS	Column Dia:	0.25 mm

Y Scaling:



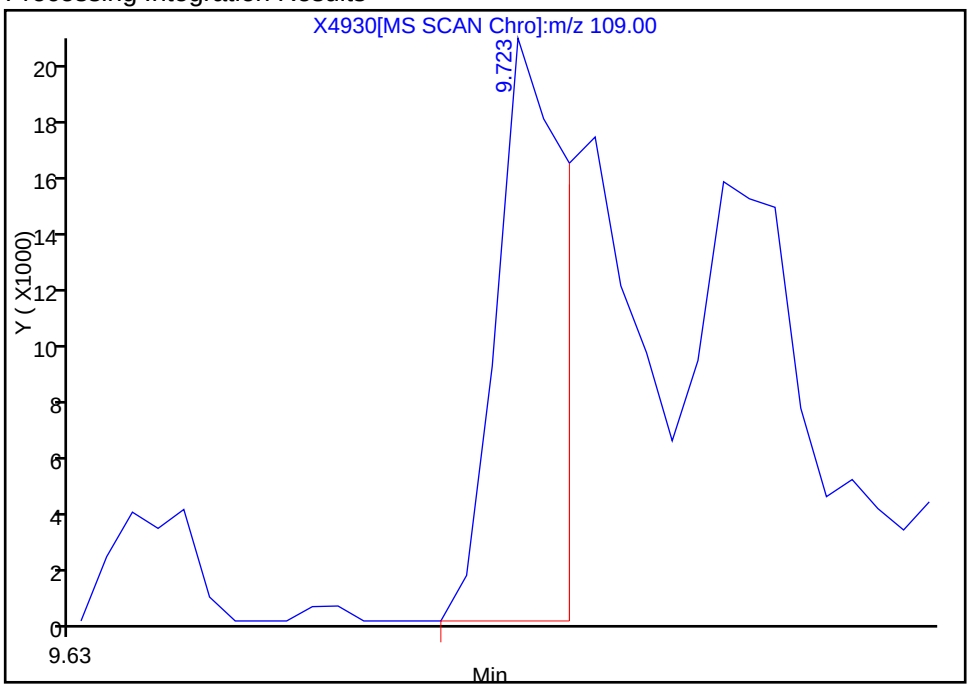
Manual Integration/User Assign Peak Report

Data File:	\\Bufchrom\ChromData\HP5973X\20120405-10764.b\X4930.D		
Injection Date:	06-Apr-2012 05:25:30	Limit Group:	MB - 8270C ICAL
Client ID:		Instrument ID:	HP5973X
Lims Batch ID:	58387	Lims Sample ID:	15
Operator ID:	RMM	Injection Vol:	1.00 ul
Column Type:	RXI-5Sil MS	Column Dia:	0.25 mm

135 4-Nitrophenol, Signal: 1, m/z: 109.0 Type: quant, RT: 9.73

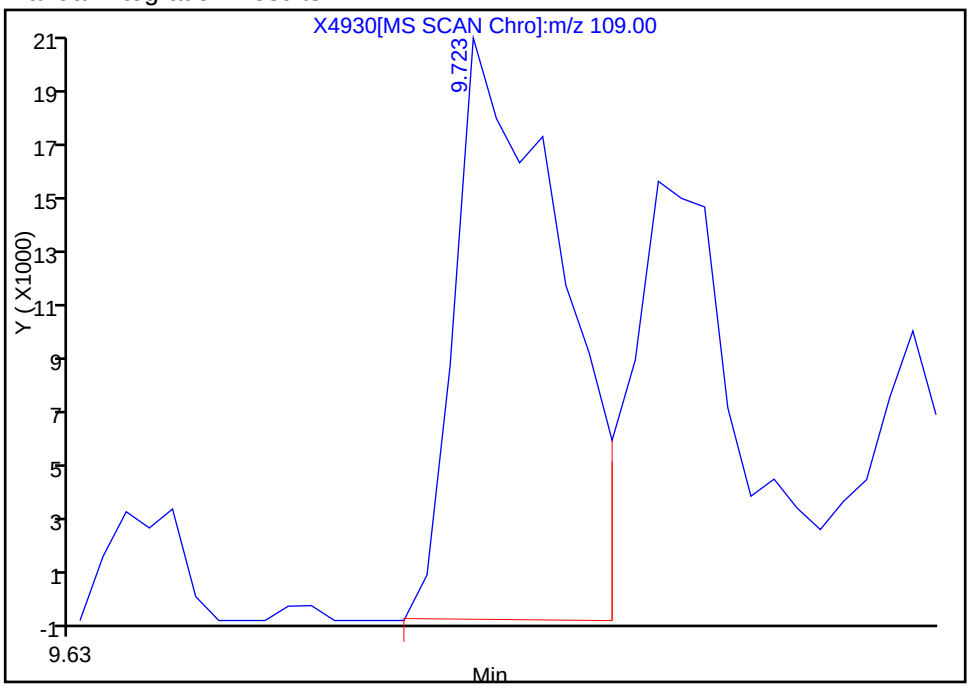
Processing Integration Results

RT: 9.72
Response: 20834
Amount: 21.930651



Manual Integration Results

RT: 9.72
Response: 35051
Amount: 36.896000



Reviewer: mckernar, 06-Apr-2012 10:04:45
Audit Action: Manually Integrated
Audit Reason: Split Peak

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Buffalo | Job No.: 480-18068-1

SDG No.:

Client Sample ID: | Lab Sample ID: LCS 480-58302/2-A

Matrix: Solid | Lab File ID: X4971.D

Analysis Method: 8270C | Date Collected:

Extract. Method: 3550B | Date Extracted: 04/05/2012 10:44

Sample wt/vol: +30.36(g) | Date Analyzed: 04/06/2012 22:38

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.: 58507 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
95-95-4	2,4,5-Trichlorophenol	3510		170	36
88-06-2	2,4,6-Trichlorophenol	3160		170	11
120-83-2	2,4-Dichlorophenol	3030		170	8.7
105-67-9	2,4-Dimethylphenol	3400		170	45
51-28-5	2,4-Dinitrophenol	2990		330	58
121-14-2	2,4-Dinitrotoluene	3770		170	26
606-20-2	2,6-Dinitrotoluene	3590		170	41
91-58-7	2-Chloronaphthalene	3300		170	11
95-57-8	2-Chlorophenol	2700		170	8.5
91-57-6	2-Methylnaphthalene	3150		170	2.0
95-48-7	2-Methylphenol	2930		170	5.1
88-74-4	2-Nitroaniline	4210		330	54
88-75-5	2-Nitrophenol	3260		170	7.6
91-94-1	3,3'-Dichlorobenzidine	2390		170	150
99-09-2	3-Nitroaniline	3100		330	38
534-52-1	4,6-Dinitro-2-methylphenol	3470		330	58
101-55-3	4-Bromophenyl phenyl ether	3520		170	53
59-50-7	4-Chloro-3-methylphenol	3680		170	6.9
106-47-8	4-Chloroaniline	2730		170	49
7005-72-3	4-Chlorophenyl phenyl ether	3680		170	3.6
106-44-5	4-Methylphenol	6260		330	9.3
100-01-6	4-Nitroaniline	3510		330	19
100-02-7	4-Nitrophenol	5000		330	40
83-32-9	Acenaphthene	3340		170	2.0
208-96-8	Acenaphthylene	3340		170	1.4
98-86-2	Acetophenone	3420		170	8.6
120-12-7	Anthracene	3410		170	4.3
1912-24-9	Atrazine	4590		170	7.4
100-52-7	Benzaldehyde	3110		170	18
56-55-3	Benzo(a)anthracene	3150		170	2.9
50-32-8	Benzo(a)pyrene	3440		170	4.0
205-99-2	Benzo(b)fluoranthene	3390		170	3.2
191-24-2	Benzo(g,h,i)perylene	3830		170	2.0
207-08-9	Benzo(k)fluoranthene	3690		170	1.8

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Buffalo | Job No.: 480-18068-1

SDG No.:

Client Sample ID: | Lab Sample ID: LCS 480-58302/2-A

Matrix: Solid | Lab File ID: X4971.D

Analysis Method: 8270C | Date Collected:

Extract. Method: 3550B | Date Extracted: 04/05/2012 10:44

Sample wt/vol: +30.36(g) | Date Analyzed: 04/06/2012 22:38

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.: 58507 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
92-52-4	Biphenyl	3140		170	10
108-60-1	bis (2-chloroisopropyl) ether	3000		170	17
111-91-1	Bis(2-chloroethoxy)methane	3120		170	9.1
111-44-4	Bis(2-chloroethyl)ether	2660		170	14
117-81-7	Bis(2-ethylhexyl) phthalate	3710		170	54
85-68-7	Butyl benzyl phthalate	3410		170	45
105-60-2	Caprolactam	3420		170	72
86-74-8	Carbazole	3390		170	1.9
218-01-9	Chrysene	3120		170	1.7
53-70-3	Dibenz(a,h)anthracene	4210		170	2.0
132-64-9	Dibenzofuran	3620		170	1.7
84-66-2	Diethyl phthalate	3950		170	5.0
131-11-3	Dimethyl phthalate	3600		170	4.4
84-74-2	Di-n-butyl phthalate	3650		170	58
117-84-0	Di-n-octyl phthalate	3560		170	3.9
206-44-0	Fluoranthene	3490		170	2.4
86-73-7	Fluorene	3740		170	3.8
118-74-1	Hexachlorobenzene	3660		170	8.3
87-68-3	Hexachlorobutadiene	3300		170	8.5
77-47-4	Hexachlorocyclopentadiene	2970		170	50
67-72-1	Hexachloroethane	2870		170	13
193-39-5	Indeno(1,2,3-cd)pyrene	4160		170	4.6
78-59-1	Isophorone	3520		170	8.3
91-20-3	Naphthalene	3110		170	2.8
98-95-3	Nitrobenzene	3620		170	7.4
621-64-7	N-Nitrosodi-n-propylamine	3560		170	13
86-30-6	N-Nitrosodiphenylamine	3530		170	9.1
87-86-5	Pentachlorophenol	2900		330	57
85-01-8	Phenanthrene	3390		170	3.5
108-95-2	Phenol	2830		170	18
129-00-0	Pyrene	3500		170	1.1

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Buffalo | Job No.: 480-18068-1

SDG No.:

Client Sample ID: | Lab Sample ID: LCS 480-58302/2-A

Matrix: Solid | Lab File ID: X4971.D

Analysis Method: 8270C | Date Collected:

Extract. Method: 3550B | Date Extracted: 04/05/2012 10:44

Sample wt/vol: +30.36(g) | Date Analyzed: 04/06/2012 22:38

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.: 58507 | Units: ug/Kg

CAS NO.	SURROGATE	%REC	Q	LIMITS
118-79-6	2,4,6-Tribromophenol	112		39-146
321-60-8	2-Fluorobiphenyl	93		37-120
367-12-4	2-Fluorophenol	83		18-120
4165-60-0	Nitrobenzene-d5	106		34-132
1718-51-0	p-Terphenyl-d14	113		65-153
4165-62-2	Phenol-d5	86		11-120

TestAmerica Laboratories
Target Compound Quantitation Report

Data File: \\Bufchrom\ChromData\HP5973X\20120406-10792.b\X4971.D
Lims ID: LCS 480-58302/2-A Client ID:
Inject. Date: 06-Apr-2012 22:38:30 Dil. Factor: 1.0000
Sample Type: LCS
Sample ID: 480-0010792-021
Misc. Info.:
Operator: RMM Instrument ID: HP5973X
Vol. Injected: 1.0000 ALS Bottle#: 22
Lims Batch ID: 58507 Lims Sample ID: 21
Detector: MS SCAN

Method: \\Bufchrom\ChromData\HP5973X\20120406-10792.b\X-8270.m
Last Update: 07-Apr-2012 11:23:26 Calib Date: 03-Apr-2012 15:26:30
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\Bufchrom\ChromData\HP5973X\20120403-10684.b\X4785.D
Limit Group: MB - 8270C ICAL
Integrator: RTE ID Type: Deconvolution ID
Process Host: CORP-CTX-16

First Level Reviewer: mckernar Date: 07-Apr-2012 11:23:26

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ng/uL	Flags
* 1 1,4-Dichlorobenzene-d4	152	5.805	5.810	-0.005	92	55147	40.0	
* 2 Naphthalene-d8	136	7.333	7.322	0.011	96	194580	40.0	
* 3 Acenaphthene-d10	164	9.405	9.400	0.005	91	147333	40.0	
* 4 Phenanthrene-d10	188	11.029	11.024	0.005	99	259801	40.0	
* 5 Chrysene-d12	240	13.455	13.417	0.038	64	246729	40.0	
* 6 Perylene-d12	264	14.657	14.614	0.043	98	196346	40.0	
$ 7 2-Fluorophenol	112	4.223	4.239	-0.016	93	215231	124.1	
$ 8 Phenol-d5	99	5.436	5.431	0.005	92	309993	129.2	
$ 9 Nitrobenzene-d5	82	6.488	6.478	0.010	93	251229	105.7	
$ 10 2-Fluorobiphenyl	172	8.625	8.615	0.010	99	419162	92.9	
$ 11 2,4,6-Tribromophenol	330	10.319	10.308	0.011	90	134522	167.7	
$ 12 p-Terphenyl-d14	244	12.541	12.509	0.032	97	568544	112.5	
54 1,4-Dioxane	88	2.295	2.404	-0.109	97	48965	58.5	
55 N-Nitrosodimethylamine	42	2.573	2.599	-0.026	97	137456	130.3	
56 Pyridine	52	2.626	2.653	-0.027	92	73686	73.4	
62 Benzaldehyde	77	5.276	5.286	-0.010	94	138243	94.3	
64 Aniline	93	5.420	5.420	0.0	94	234288	74.6	
63 Phenol	94	5.447	5.447	0.0	84	232584	86.0	
66 Bis(2-chloroethyl)ether	93	5.505	5.505	0.0	83	151057	80.8	
67 2-Chlorophenol	128	5.570	5.564	0.006	90	147010	82.0	
69 1,3-Dichlorobenzene	146	5.735	5.730	0.005	91	161673	77.8	
70 1,4-Dichlorobenzene	146	5.826	5.821	0.005	85	167733	79.4	
72 1,2-Dichlorobenzene	146	6.008	6.002	0.006	88	167165	81.8	
71 Benzyl alcohol	108	6.013	6.002	0.011	94	121470	95.1	
74 2,2'-oxybis[1-chloropropane]	45	6.163	6.157	0.006	80	149251	91.2	
73 2-Methylphenol	108	6.173	6.163	0.010	89	159490	89.0	
76 Acetophenone	105	6.312	6.307	0.005	94	267256	103.7	
78 N-Nitrosodi-n-propylamine	70	6.328	6.312	0.016	92	175694	108.2	
79 4-Methylphenol	108	6.371	6.355	0.016	90	340020	190.2	E
81 Hexachloroethane	117	6.403	6.398	0.005	88	74488	87.1	
83 Nitrobenzene	77	6.515	6.499	0.016	90	248006	109.8	

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ng/uL	Flags
86 Isophorone	82	6.809	6.793	0.016	99	424498	107.0	
87 2-Nitrophenol	139	6.889	6.878	0.011	82	90601	99.0	
90 Tetraethyl lead	237	6.980	6.975	0.005	54	43236	50.3	
89 2,4-Dimethylphenol	107	6.991	6.980	0.011	94	221917	103.3	
94 Bis(2-chloroethoxy)methane	93	7.081	7.065	0.016	99	195968	94.8	
97 2,4-Dichlorophenol	162	7.199	7.194	0.005	86	140643	92.1	
95 Benzoic acid	105	7.215	7.247	-0.032	78	145199	98.1	
98 1,2,4-Trichlorobenzene	180	7.268	7.258	0.010	90	152285	93.6	
99 Naphthalene	128	7.354	7.343	0.011	97	445911	94.3	
101 4-Chloroaniline	127	7.450	7.445	0.005	92	161704	82.9	
104 Hexachlorobutadiene	225	7.503	7.498	0.005	84	107864	100.2	
105 Caprolactam	113	7.936	7.872	0.064	84	48715	103.8	M
110 4-Chloro-3-methylphenol	107	8.080	8.059	0.021	93	207015	111.7	
113 2-Methylnaphthalene	142	8.182	8.171	0.011	96	328638	95.5	
116 Hexachlorocyclopentadiene	237	8.364	8.353	0.011	93	105624	90.2	
118 2,4,6-Trichlorophenol	196	8.545	8.529	0.016	93	123179	96.0	
119 2,4,5-Trichlorophenol	196	8.609	8.599	0.010	90	133251	106.7	
123 1,1'-Biphenyl	154	8.743	8.732	0.011	97	464666	95.2	
124 2-Chloronaphthalene	162	8.759	8.743	0.016	97	368543	100.3	
125 2-Nitroaniline	65	8.919	8.903	0.016	92	174505	127.8	
127 1,4-Dinitrobenzene	168	9.095	9.092	0.003	93	70231	143.0	
128 Dimethyl phthalate	163	9.144	9.122	0.022	96	494982	109.2	
129 1,3-Dinitrobenzene	168	9.186	9.178	0.008	88	77269	138.6	
130 2,6-Dinitrotoluene	165	9.208	9.197	0.011	52	109922	108.9	
131 Acenaphthylene	152	9.240	9.229	0.011	98	603287	101.3	
132 3-Nitroaniline	138	9.416	9.400	0.016	92	96544	94.0	
133 Acenaphthene	153	9.443	9.432	0.011	99	365359	101.3	
134 2,4-Dinitrophenol	184	9.544	9.528	0.016	90	54947	90.8	
138 Dibenzofuran	168	9.651	9.640	0.011	99	594765	110.0	
137 2,4-Dinitrotoluene	165	9.688	9.672	0.016	78	159239	114.4	
135 4-Nitrophenol	109	9.694	9.683	0.011	91	131406	151.9	
140 2,3,4,6-Tetrachlorophenol	232	9.822	9.822	0.0	93	118660	129.2	
142 Diethyl phthalate	149	9.961	9.950	0.011	97	576342	120.0	
144 Fluorene	166	10.041	10.036	0.005	98	523115	113.5	
145 4-Chlorophenyl phenyl ether	204	10.052	10.046	0.006	90	272456	111.7	
147 4-Nitroaniline	138	10.132	10.110	0.022	91	108203	106.6	
148 4,6-Dinitro-2-methylphenol	198	10.148	10.132	0.016	78	93001	105.3	
149 N-Nitrosodiphenylamine	169	10.196	10.185	0.011	99	365950	107.3	
152 1,2-Diphenylhydrazine	77	10.228	10.217	0.011	97	670452	125.8	
159 4-Bromophenyl phenyl ether	248	10.581	10.565	0.016	90	154113	106.9	
160 Hexachlorobenzene	284	10.634	10.618	0.016	97	172418	111.0	
163 Atrazine	200	10.794	10.784	0.010	92	154809	139.3	
165 Pentachlorophenol	266	10.864	10.848	0.016	95	75694	88.0	
171 Phenanthrene	178	11.056	11.035	0.021	100	709855	102.9	
172 Anthracene	178	11.110	11.088	0.022	99	709373	103.5	
173 Carbazole	167	11.291	11.270	0.021	99	623802	102.8	
176 Di-n-butyl phthalate	149	11.633	11.612	0.021	99	873598	110.7	
182 Fluoranthene	202	12.194	12.162	0.032	99	759156	105.9	
183 Benzidine	184	12.333	12.301	0.032	99	229214	56.6	
185 Pyrene	202	12.397	12.360	0.037	100	706757	106.4	
192 Butyl benzyl phthalate	149	12.969	12.937	0.033	91	379899	103.4	
196 3,3'-Dichlorobenzidine	252	13.428	13.396	0.032	70	203043	72.6	

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ng/uL	Flags
197 Benzo[a]anthracene	228	13.444	13.412	0.032	95	654567	95.7	
198 Bis(2-ethylhexyl) phthalate	149	13.455	13.428	0.027	92	563226	112.5	
199 Chrysene	228	13.476	13.444	0.032	96	581066	94.7	
201 Di-n-octyl phthalate	149	13.989	13.968	0.021	98	815924	108.0	
203 Benzo[b]fluoranthene	252	14.336	14.315	0.021	99	569851	103.0	
204 Benzo[k]fluoranthene	252	14.363	14.336	0.027	97	658027	112.1	
206 Benzo[a]pyrene	252	14.614	14.587	0.027	99	483973	104.3	
208 Indeno[1,2,3-cd]pyrene	276	15.666	15.634	0.032	74	747690	126.4	
209 Dibenz(a,h)anthracene	278	15.666	15.640	0.026	92	686629	127.8	
210 Benzo[g,h,i]perylene	276	15.939	15.917	0.022	98	565790	116.4	
S 214 3-Methylphenol	1				0		190.2	

QC Flag Legend

Processing Flags
E - Exceeded Maximum Amount

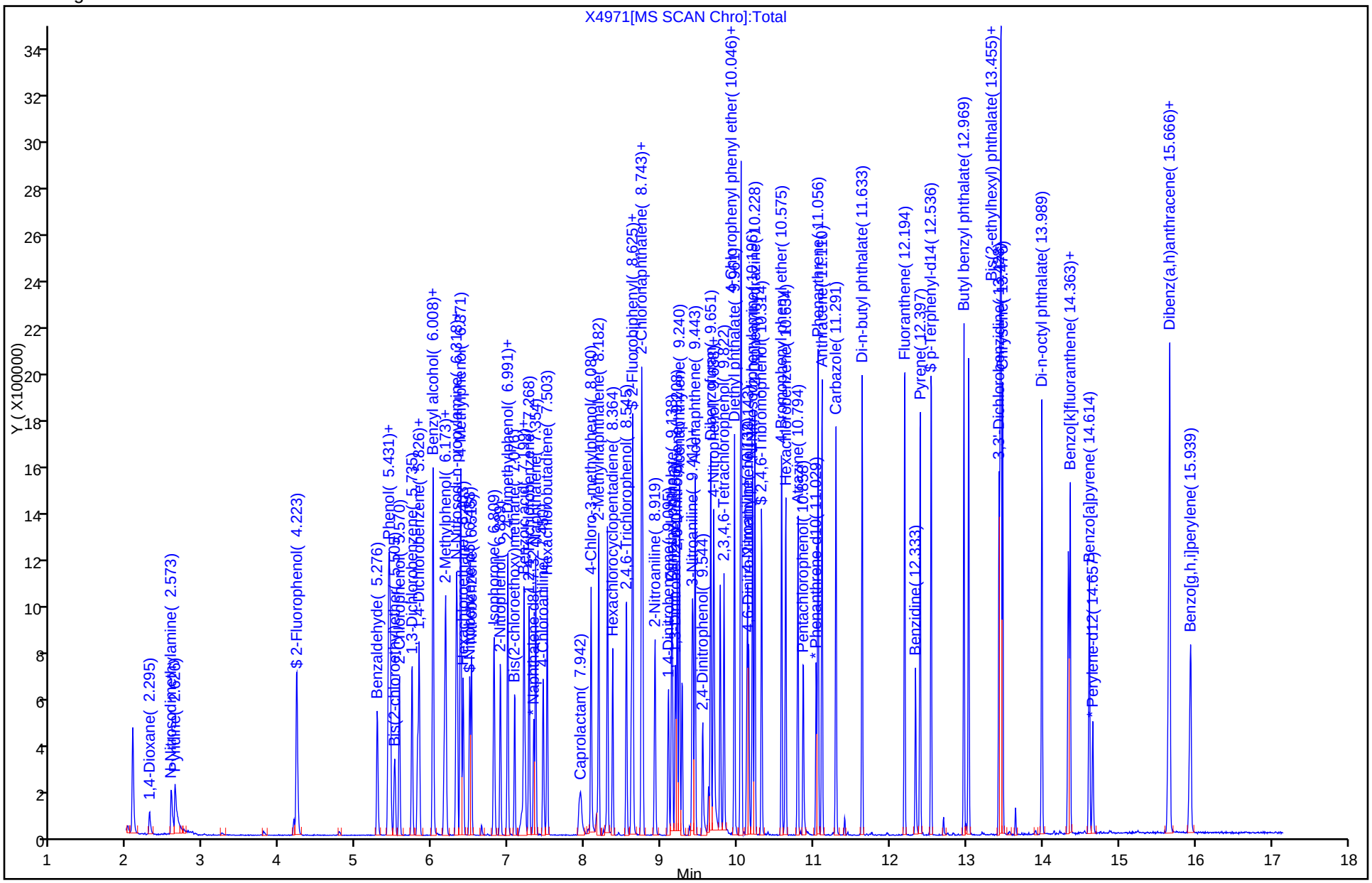
Review Flags
M - Manually Integrated

Report Date: 07-Apr-2012 11:23:26 Chrom Revision: 2.0 20-Feb-2012 13:27:02

Data File: \\Bufchrom\ChromData\HP5973X\20120406-10792.b\X4971.D

Injection Date:	06-Apr-2012 22:38:30	Limit Group:	MB - 8270C ICAL
Client ID:		Instrument ID:	HP5973X
Lims Batch ID:	58507	Lims Sample ID:	21
Operator ID:	RMM	Injection Vol:	1.00 ul
Column Type:	RXI-5Sil MS	Column Dia:	0.25 mm

Y Scaling:



Report Date: 07-Apr-2012 11:23:26 Chrom Revision: 2.0 20-Feb-2012 13:27:02

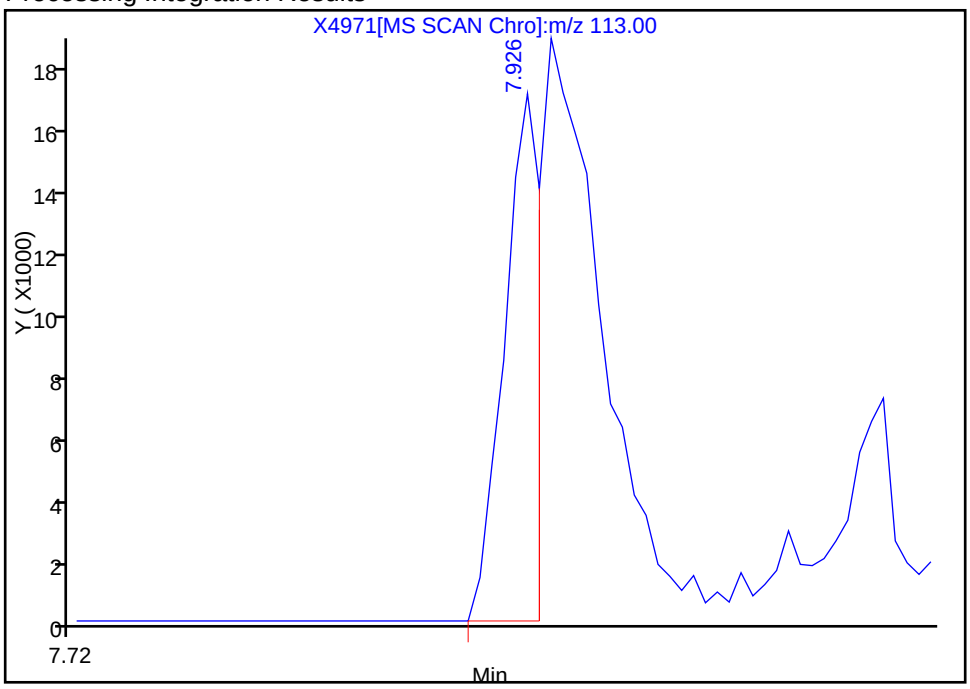
Manual Integration/User Assign Peak Report

Data File:	\\Bufchrom\ChromData\HP5973X\20120406-10792.b\X4971.D		
Injection Date:	06-Apr-2012 22:38:30	Limit Group:	MB - 8270C ICAL
Client ID:		Instrument ID:	HP5973X
Lims Batch ID:	58507	Lims Sample ID:	21
Operator ID:	RMM	Injection Vol:	1.00 ul
Column Type:	RXI-5Sil MS	Column Dia:	0.25 mm

105 Caprolactam, Signal: 1, m/z: 113.0 Type: quant, RT: 7.87

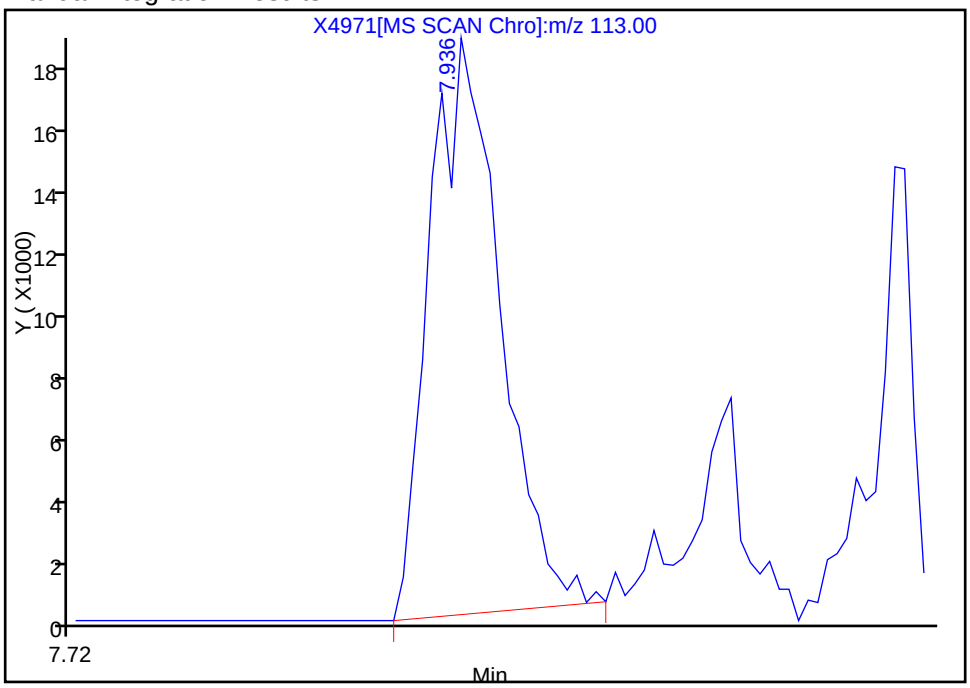
Processing Integration Results

RT: 7.93
Response: 18548
Amount: 41.438555



Manual Integration Results

RT: 7.94
Response: 48715
Amount: 103.8318



Reviewer: mckernar, 07-Apr-2012 11:23:26
Audit Action: Manually Integrated
Audit Reason: Split Peak

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Buffalo | Job No.: 480-18068-1

SDG No.:

Client Sample ID: SB-A3 (5'-6'1") MS | Lab Sample ID: 480-18068-15 MS

Matrix: Solid | Lab File ID: X4972.D

Analysis Method: 8270C | Date Collected: 04/03/2012 11:48

Extract. Method: 3550B | Date Extracted: 04/05/2012 10:44

Sample wt/vol: +30.29(g) | Date Analyzed: 04/06/2012 23:02

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

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

% Moisture: 6.5 | GPC Cleanup:(Y/N) N

Analysis Batch No.: 58507 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
95-95-4	2,4,5-Trichlorophenol	3980		180	39
88-06-2	2,4,6-Trichlorophenol	3510		180	12
120-83-2	2,4-Dichlorophenol	3190		180	9.4
105-67-9	2,4-Dimethylphenol	3670		180	48
51-28-5	2,4-Dinitrophenol	2430		350	63
121-14-2	2,4-Dinitrotoluene	4080		180	28
606-20-2	2,6-Dinitrotoluene	3830		180	44
91-58-7	2-Chloronaphthalene	3610		180	12
95-57-8	2-Chlorophenol	2910		180	9.1
91-57-6	2-Methylnaphthalene	3220		180	2.2
95-48-7	2-Methylphenol	3090		180	5.5
88-74-4	2-Nitroaniline	4520		350	57
88-75-5	2-Nitrophenol	3250		180	8.2
91-94-1	3,3'-Dichlorobenzidine	2360		180	160
99-09-2	3-Nitroaniline	3270		350	41
534-52-1	4,6-Dinitro-2-methylphenol	4140		350	62
101-55-3	4-Bromophenyl phenyl ether	3920		180	57
59-50-7	4-Chloro-3-methylphenol	3760		180	7.4
106-47-8	4-Chloroaniline	2750		180	52
7005-72-3	4-Chlorophenyl phenyl ether	3690		180	3.8
106-44-5	4-Methylphenol	6750		350	10
100-01-6	4-Nitroaniline	3670		350	20
100-02-7	4-Nitrophenol	5650		350	43
83-32-9	Acenaphthene	3640		180	2.1
208-96-8	Acenaphthylene	3910		180	1.5
98-86-2	Acetophenone	3580		180	9.2
120-12-7	Anthracene	4840		180	4.6
1912-24-9	Atrazine	4200		180	8.0
100-52-7	Benzaldehyde	3630		180	20
56-55-3	Benzo(a)anthracene	5450		180	3.1
50-32-8	Benzo(a)pyrene	6030		180	4.3
205-99-2	Benzo(b)fluoranthene	5950		180	3.5
191-24-2	Benzo(g,h,i)perylene	4770		180	2.1
207-08-9	Benzo(k)fluoranthene	5080		180	2.0

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Buffalo | Job No.: 480-18068-1

SDG No.:

Client Sample ID: SB-A3 (5'-6'1") MS | Lab Sample ID: 480-18068-15 MS

Matrix: Solid | Lab File ID: X4972.D

Analysis Method: 8270C | Date Collected: 04/03/2012 11:48

Extract. Method: 3550B | Date Extracted: 04/05/2012 10:44

Sample wt/vol: +30.29(g) | Date Analyzed: 04/06/2012 23:02

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

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

% Moisture: 6.5 | GPC Cleanup:(Y/N) N

Analysis Batch No.: 58507 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
92-52-4	Biphenyl	3490		180	11
108-60-1	bis (2-chloroisopropyl) ether	3230		180	19
111-91-1	Bis(2-chloroethoxy)methane	3340		180	9.7
111-44-4	Bis(2-chloroethyl)ether	2930		180	15
117-81-7	Bis(2-ethylhexyl) phthalate	4020		180	58
85-68-7	Butyl benzyl phthalate	3220		180	48
105-60-2	Caprolactam	2010		180	77
86-74-8	Carbazole	4130		180	2.1
218-01-9	Chrysene	5170		180	1.8
53-70-3	Dibenz(a,h)anthracene	4610		180	2.1
132-64-9	Dibenzofuran	3820		180	1.9
84-66-2	Diethyl phthalate	4070		180	5.4
131-11-3	Dimethyl phthalate	3780		180	4.7
84-74-2	Di-n-butyl phthalate	4370		180	62
117-84-0	Di-n-octyl phthalate	3700		180	4.2
206-44-0	Fluoranthene	9580		180	2.6
86-73-7	Fluorene	4110		180	4.1
118-74-1	Hexachlorobenzene	4010		180	8.9
87-68-3	Hexachlorobutadiene	3500		180	9.1
77-47-4	Hexachlorocyclopentadiene	3350		180	54
67-72-1	Hexachloroethane	3090		180	14
193-39-5	Indeno(1,2,3-cd)pyrene	5370		180	4.9
78-59-1	Isophorone	3700		180	8.9
91-20-3	Naphthalene	3290		180	3.0
98-95-3	Nitrobenzene	3850		180	7.9
621-64-7	N-Nitrosodi-n-propylamine	3670		180	14
86-30-6	N-Nitrosodiphenylamine	4470		180	9.8
87-86-5	Pentachlorophenol	2820		350	61
85-01-8	Phenanthrene	7220		180	3.8
108-95-2	Phenol	3140		180	19
129-00-0	Pyrene	7340		180	1.2

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Buffalo | Job No.: 480-18068-1

SDG No.:

Client Sample ID: SB-A3 (5'-6'1") MS | Lab Sample ID: 480-18068-15 MS

Matrix: Solid | Lab File ID: X4972.D

Analysis Method: 8270C | Date Collected: 04/03/2012 11:48

Extract. Method: 3550B | Date Extracted: 04/05/2012 10:44

Sample wt/vol: +30.29(g) | Date Analyzed: 04/06/2012 23:02

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

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

% Moisture: 6.5 | GPC Cleanup:(Y/N) N

Analysis Batch No.: 58507 | Units: ug/Kg

CAS NO.	SURROGATE	%REC	Q	LIMITS
118-79-6	2,4,6-Tribromophenol	127		39-146
321-60-8	2-Fluorobiphenyl	97		37-120
367-12-4	2-Fluorophenol	81		18-120
4165-60-0	Nitrobenzene-d5	102		34-132
4165-62-2	Phenol-d5	87		11-120
1718-51-0	p-Terphenyl-d14	94		65-153

TestAmerica Laboratories
Target Compound Quantitation Report

Data File:	\\Bufchrom\ChromData\HP5973X\20120406-10792.b\X4972.D		
Lims ID:	480-18068-A-15-A MS	Client ID:	SB-A3 (5'-6'1")
Inject. Date:	06-Apr-2012 23:02:30	Dil. Factor:	1.0000
Sample Type:	MS		
Sample ID:	480-0010792-022		
Misc. Info.:			
Operator:	RMM	Instrument ID:	HP5973X
Vol. Injected:	1.0000	ALS Bottle#:	23
Lims Batch ID:	58507	Lims Sample ID:	22
Detector:	MS SCAN		
Method:	\\Bufchrom\ChromData\HP5973X\20120406-10792.b\X-8270.m		
Last Update:	07-Apr-2012 11:23:26	Calib Date:	03-Apr-2012 15:26:30
Quant Method:	Internal Standard	Quant By:	Initial Calibration
Last ICal File:	\\Bufchrom\ChromData\HP5973X\20120403-10684.b\X4785.D		
Limit Group:	MB - 8270C ICAL		
Integrator:	RTE	ID Type:	Deconvolution ID
Process Host:	CORP-CTX-16		
First Level Reviewer: mckernar		Date:	07-Apr-2012 11:24:34

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ng/uL	Flags
* 1 1,4-Dichlorobenzene-d4	152	5.842	5.810	0.032	93	60732	40.0	
* 2 Naphthalene-d8	136	7.354	7.322	0.032	97	216852	40.0	
* 3 Acenaphthene-d10	164	9.416	9.400	0.016	89	149789	40.0	
* 4 Phenanthrene-d10	188	11.040	11.024	0.016	98	214605	40.0	
* 5 Chrysene-d12	240	13.471	13.417	0.054	67	258813	40.0	
* 6 Perylene-d12	264	14.662	14.614	0.048	96	237266	40.0	
$ 7 2-Fluorophenol	112	4.298	4.239	0.059	91	232381	121.7	
$ 8 Phenol-d5	99	5.479	5.431	0.048	90	344458	130.3	
$ 9 Nitrobenzene-d5	82	6.515	6.478	0.037	93	270877	102.3	
$ 10 2-Fluorobiphenyl	172	8.636	8.615	0.021	99	445236	97.1	
$ 11 2,4,6-Tribromophenol	330	10.335	10.308	0.027	73	125911	190.1	
$ 12 p-Terphenyl-d14	244	12.552	12.509	0.043	95	496986	93.5	
62 Benzaldehyde	77	5.329	5.286	0.043	91	165849	102.8	
63 Phenol	94	5.490	5.447	0.043	87	265045	89.0	
66 Bis(2-chloroethyl)ether	93	5.548	5.505	0.043	84	171201	83.1	
67 2-Chlorophenol	128	5.612	5.564	0.048	91	162730	82.5	
74 2,2'-oxybis[1-chloropropane]	45	6.189	6.157	0.032	82	164803	91.4	
73 2-Methylphenol	108	6.205	6.163	0.042	88	172812	87.5	
76 Acetophenone	105	6.344	6.307	0.037	93	288129	101.5	
78 N-Nitrosodi-n-propylamine	70	6.355	6.312	0.043	93	186117	104.1	
79 4-Methylphenol	108	6.398	6.355	0.043	90	376322	191.1	E
81 Hexachloroethane	117	6.435	6.398	0.037	90	82275	87.4	
83 Nitrobenzene	77	6.542	6.499	0.043	93	274930	109.2	
86 Isophorone	82	6.830	6.793	0.037	98	463082	104.8	
87 2-Nitrophenol	139	6.916	6.878	0.038	83	93835	92.0	
89 2,4-Dimethylphenol	107	7.012	6.980	0.032	94	249103	104.1	
94 Bis(2-chloroethoxy)methane	93	7.103	7.065	0.038	97	217798	94.6	
97 2,4-Dichlorophenol	162	7.226	7.194	0.032	87	153695	90.4	
99 Naphthalene	128	7.381	7.343	0.038	97	491326	93.2	
101 4-Chloroaniline	127	7.472	7.445	0.027	90	169566	78.0	
104 Hexachlorobutadiene	225	7.525	7.498	0.027	87	118904	99.1	

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ng/uL	Flags
105 Caprolactam	113	7.947	7.872	0.075	85	29068	57.0	
110 4-Chloro-3-methylphenol	107	8.097	8.059	0.038	94	219958	106.5	
113 2-Methylnaphthalene	142	8.198	8.171	0.027	97	349560	91.2	
116 Hexachlorocyclopentadiene	237	8.380	8.353	0.027	89	113375	94.9	
118 2,4,6-Trichlorophenol	196	8.556	8.529	0.027	92	129728	99.4	
119 2,4,5-Trichlorophenol	196	8.631	8.599	0.032	90	143193	112.8	
123 1,1'-Biphenyl	154	8.754	8.732	0.022	97	491622	99.0	
124 2-Chloronaphthalene	162	8.770	8.743	0.027	95	381788	102.2	
125 2-Nitroaniline	65	8.930	8.903	0.027	93	177792	128.1	
128 Dimethyl phthalate	163	9.154	9.122	0.032	95	493169	107.0	
130 2,6-Dinitrotoluene	165	9.224	9.197	0.027	53	111388	108.5	
131 Acenaphthylene	152	9.250	9.229	0.021	97	671762	110.9	
132 3-Nitroaniline	138	9.432	9.400	0.032	91	96600	92.5	
133 Acenaphthene	153	9.459	9.432	0.027	97	377913	103.1	
134 2,4-Dinitrophenol	184	9.560	9.528	0.032	89	41194	68.7	
138 Dibenzofuran	168	9.662	9.640	0.022	98	594913	108.2	
137 2,4-Dinitrotoluene	165	9.705	9.672	0.033	87	163680	115.7	
135 4-Nitrophenol	109	9.705	9.683	0.022	91	140795	160.1	E
142 Diethyl phthalate	149	9.977	9.950	0.027	97	562588	115.3	
144 Fluorene	166	10.057	10.036	0.021	98	546248	116.5	
145 4-Chlorophenyl phenyl ether	204	10.068	10.046	0.022	89	258982	104.4	
147 4-Nitroaniline	138	10.148	10.110	0.038	93	107352	104.0	
148 4,6-Dinitro-2-methylphenol	198	10.169	10.132	0.037	85	85683	117.4	
149 N-Nitrosodiphenylamine	169	10.212	10.185	0.027	99	356740	126.6	
159 4-Bromophenyl phenyl ether	248	10.591	10.565	0.026	83	132162	111.0	
160 Hexachlorobenzene	284	10.645	10.618	0.027	87	145805	113.6	
163 Atrazine	200	10.805	10.784	0.021	90	134517	119.1	
165 Pentachlorophenol	266	10.875	10.848	0.026	88	56506	79.9	
171 Phenanthrene	178	11.072	11.035	0.037	99	1165350	204.4	E
172 Anthracene	178	11.120	11.088	0.032	99	775420	137.0	
173 Carbazole	167	11.302	11.270	0.032	99	586036	116.9	
176 Di-n-butyl phthalate	149	11.644	11.612	0.032	100	806371	123.7	
182 Fluoranthene	202	12.210	12.162	0.048	99	1608149	271.5	E
185 Pyrene	202	12.413	12.360	0.053	99	1435056	207.8	E
192 Butyl benzyl phthalate	149	12.985	12.937	0.049	92	351196	91.2	
196 3,3'-Dichlorobenzidine	252	13.444	13.396	0.048	65	196161	66.9	
197 Benzo[a]anthracene	228	13.465	13.412	0.053	96	1108169	154.5	
198 Bis(2-ethylhexyl) phthalate	149	13.471	13.428	0.043	91	597657	113.8	
199 Chrysene	228	13.498	13.444	0.054	97	942641	146.5	
201 Di-n-octyl phthalate	149	13.994	13.968	0.026	99	830814	104.8	
203 Benzo[b]fluoranthene	252	14.352	14.352	0.037	99	1127635	168.7	E
204 Benzo[k]fluoranthene	252	14.368	14.368	0.032	95	1020139	143.8	
206 Benzo[a]pyrene	252	14.619	14.587	0.032	99	958215	170.9	E
208 Indeno[1,2,3-cd]pyrene	276	15.672	15.634	0.038	82	1087400	152.1	
209 Dibenz(a,h)anthracene	278	15.672	15.640	0.032	83	847469	130.5	
210 Benzo[g,h,i]perylene	276	15.944	15.917	0.027	98	794502	135.2	

QC Flag Legend

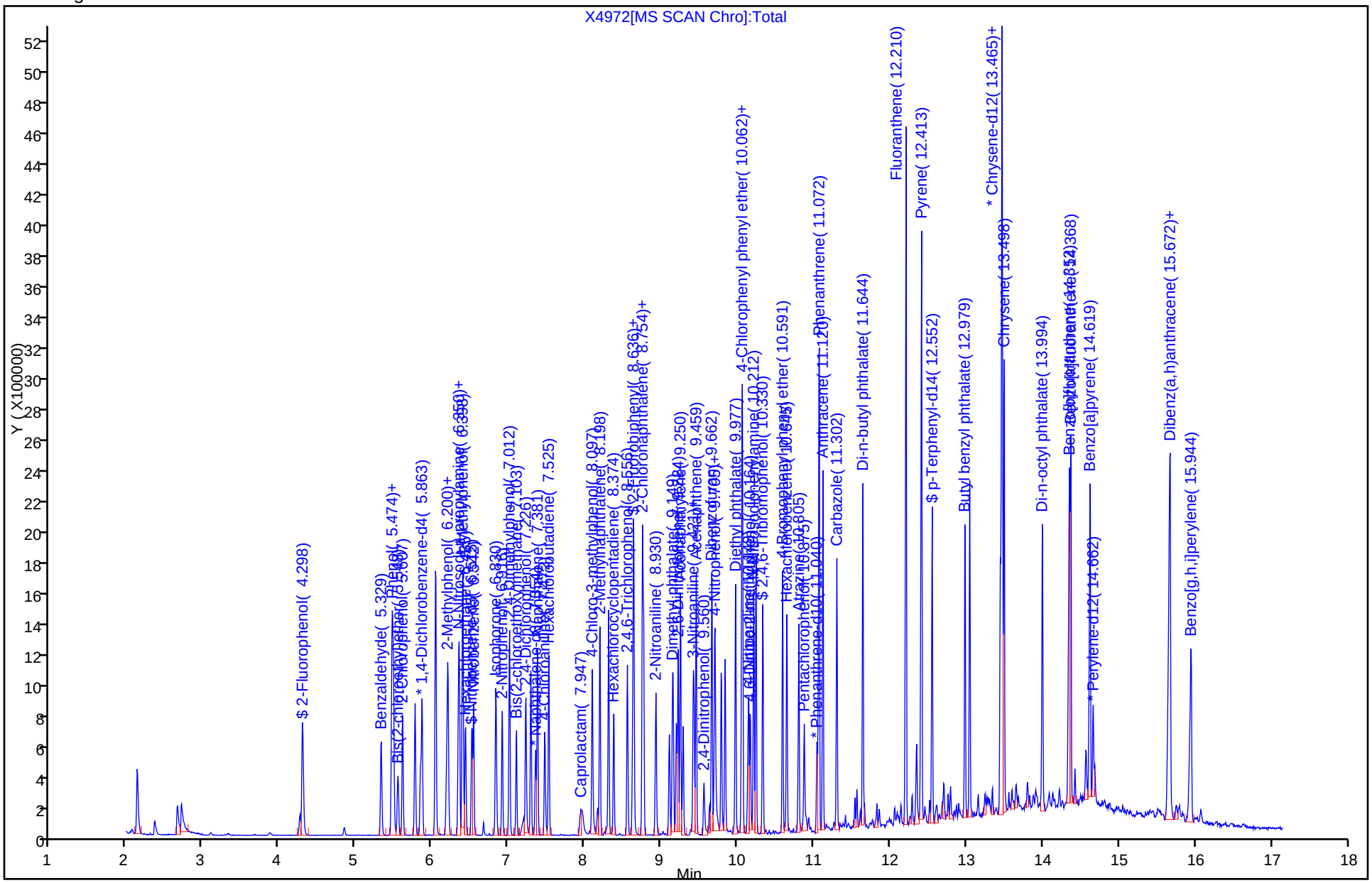
Processing Flags
E - Exceeded Maximum Amount

Report Date: 07-Apr-2012 11:24:34 Chrom Revision: 2.0 20-Feb-2012 13:27:02

Data File: \\Bufchrom\ChromData\HP5973X\20120406-10792.b\X4972.D

Injection Date:	06-Apr-2012 23:02:30	Limit Group:	MB - 8270C ICAL
Client ID:	SB-A3 (5'-6'1")	Instrument ID:	HP5973X
Lims Batch ID:	58507	Lims Sample ID:	22
Operator ID:	RMM	Injection Vol:	1.00 ul
Column Type:	RXI-5Sil MS	Column Dia:	0.25 mm

Y Scaling:



FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Buffalo | Job No.: 480-18068-1

SDG No.:

Client Sample ID: SB-A3 (5'-6'1") MSD | Lab Sample ID: 480-18068-15 MSD

Matrix: Solid | Lab File ID: X4973.D

Analysis Method: 8270C | Date Collected: 04/03/2012 11:48

Extract. Method: 3550B | Date Extracted: 04/05/2012 10:44

Sample wt/vol: +30.68(g) | Date Analyzed: 04/06/2012 23:26

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

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

% Moisture: 6.5 | GPC Cleanup:(Y/N) N

Analysis Batch No.: 58507 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
95-95-4	2,4,5-Trichlorophenol	3820		180	38
88-06-2	2,4,6-Trichlorophenol	3380		180	12
120-83-2	2,4-Dichlorophenol	3040		180	9.3
105-67-9	2,4-Dimethylphenol	3330		180	48
51-28-5	2,4-Dinitrophenol	1810		350	62
121-14-2	2,4-Dinitrotoluene	3910		180	27
606-20-2	2,6-Dinitrotoluene	3660		180	43
91-58-7	2-Chloronaphthalene	3510		180	12
95-57-8	2-Chlorophenol	2920		180	9.0
91-57-6	2-Methylnaphthalene	3130		180	2.1
95-48-7	2-Methylphenol	3300		180	5.4
88-74-4	2-Nitroaniline	4240		350	57
88-75-5	2-Nitrophenol	3030		180	8.1
91-94-1	3,3'-Dichlorobenzidine	2470		180	150
99-09-2	3-Nitroaniline	3230		350	41
534-52-1	4,6-Dinitro-2-methylphenol	3790		350	61
101-55-3	4-Bromophenyl phenyl ether	4010		180	56
59-50-7	4-Chloro-3-methylphenol	3580		180	7.3
106-47-8	4-Chloroaniline	2710		180	52
7005-72-3	4-Chlorophenyl phenyl ether	3630		180	3.8
106-44-5	4-Methylphenol	7360		350	9.8
100-01-6	4-Nitroaniline	3650		350	20
100-02-7	4-Nitrophenol	5190		350	43
83-32-9	Acenaphthene	3460		180	2.1
208-96-8	Acenaphthylene	3400		180	1.4
98-86-2	Acetophenone	3700		180	9.1
120-12-7	Anthracene	3820		180	4.5
1912-24-9	Atrazine	3940		180	7.9
100-52-7	Benzaldehyde	3540		180	19
56-55-3	Benzo(a)anthracene	3910		180	3.0
50-32-8	Benzo(a)pyrene	3990		180	4.3
205-99-2	Benzo(b)fluoranthene	3860		180	3.4
191-24-2	Benzo(g,h,i)perylene	4000		180	2.1
207-08-9	Benzo(k)fluoranthene	3800		180	1.9

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Buffalo | Job No.: 480-18068-1

SDG No.:

Client Sample ID: SB-A3 (5'-6'1") MSD | Lab Sample ID: 480-18068-15 MSD

Matrix: Solid | Lab File ID: X4973.D

Analysis Method: 8270C | Date Collected: 04/03/2012 11:48

Extract. Method: 3550B | Date Extracted: 04/05/2012 10:44

Sample wt/vol: +30.68(g) | Date Analyzed: 04/06/2012 23:26

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

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

% Moisture: 6.5 | GPC Cleanup:(Y/N) N

Analysis Batch No.: 58507 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
92-52-4	Biphenyl	3290		180	11
108-60-1	bis (2-chloroisopropyl) ether	3300		180	18
111-91-1	Bis(2-chloroethoxy)methane	3120		180	9.6
111-44-4	Bis(2-chloroethyl)ether	2940		180	15
117-81-7	Bis(2-ethylhexyl) phthalate	4060		180	57
85-68-7	Butyl benzyl phthalate	3390		180	47
105-60-2	Caprolactam	3240		180	76
86-74-8	Carbazole	3740		180	2.0
218-01-9	Chrysene	3720		180	1.8
53-70-3	Dibenz(a,h)anthracene	4360		180	2.1
132-64-9	Dibenzofuran	3510		180	1.8
84-66-2	Diethyl phthalate	3840		180	5.3
131-11-3	Dimethyl phthalate	3690		180	4.6
84-74-2	Di-n-butyl phthalate	3980		180	61
117-84-0	Di-n-octyl phthalate	3800		180	4.1
206-44-0	Fluoranthene	4290		180	2.6
86-73-7	Fluorene	3650		180	4.1
118-74-1	Hexachlorobenzene	3860		180	8.8
87-68-3	Hexachlorobutadiene	3260		180	9.0
77-47-4	Hexachlorocyclopentadiene	3250		180	53
67-72-1	Hexachloroethane	3260		180	14
193-39-5	Indeno(1,2,3-cd)pyrene	4470		180	4.9
78-59-1	Isophorone	3450		180	8.8
91-20-3	Naphthalene	3140		180	2.9
98-95-3	Nitrobenzene	3570		180	7.8
621-64-7	N-Nitrosodi-n-propylamine	3730		180	14
86-30-6	N-Nitrosodiphenylamine	4480		180	9.6
87-86-5	Pentachlorophenol	3220		350	61
85-01-8	Phenanthrene	4160		180	3.7
108-95-2	Phenol	3160		180	19
129-00-0	Pyrene	4130		180	1.1

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Buffalo | Job No.: 480-18068-1

SDG No.:

Client Sample ID: SB-A3 (5'-6'1") MSD | Lab Sample ID: 480-18068-15 MSD

Matrix: Solid | Lab File ID: X4973.D

Analysis Method: 8270C | Date Collected: 04/03/2012 11:48

Extract. Method: 3550B | Date Extracted: 04/05/2012 10:44

Sample wt/vol: +30.68(g) | Date Analyzed: 04/06/2012 23:26

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

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

% Moisture: 6.5 | GPC Cleanup:(Y/N) N

Analysis Batch No.: 58507 | Units: ug/Kg

CAS NO.	SURROGATE	%REC	Q	LIMITS
118-79-6	2,4,6-Tribromophenol	128		39-146
321-60-8	2-Fluorobiphenyl	94		37-120
367-12-4	2-Fluorophenol	84		18-120
4165-60-0	Nitrobenzene-d5	94		34-132
4165-62-2	Phenol-d5	87		11-120
1718-51-0	p-Terphenyl-d14	99		65-153

TestAmerica Laboratories
Target Compound Quantitation Report

Data File:	\\Bufchrom\ChromData\HP5973X\20120406-10792.b\X4973.D		
Lims ID:	480-18068-A-15-B MSD	Client ID:	SB-A3 (5'-6'1")
Inject. Date:	06-Apr-2012 23:26:30	Dil. Factor:	1.0000
Sample Type:	MSD		
Sample ID:	480-0010792-023		
Misc. Info.:			
Operator:	RMM	Instrument ID:	HP5973X
Vol. Injected:	1.0000	ALS Bottle#:	24
Lims Batch ID:	58507	Lims Sample ID:	23
Detector:	MS SCAN		
Method:	\\Bufchrom\ChromData\HP5973X\20120406-10792.b\X-8270.m		
Last Update:	07-Apr-2012 11:23:26	Calib Date:	03-Apr-2012 15:26:30
Quant Method:	Internal Standard	Quant By:	Initial Calibration
Last ICal File:	\\Bufchrom\ChromData\HP5973X\20120403-10684.b\X4785.D		
Limit Group:	MB - 8270C ICAL		
Integrator:	RTE	ID Type:	Deconvolution ID
Process Host:	CORP-CTX-16		
First Level Reviewer: mckernar		Date:	07-Apr-2012 11:25:21

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ng/uL	Flags
* 1 1,4-Dichlorobenzene-d4	152	5.831	5.810	0.021	94	59147	40.0	
* 2 Naphthalene-d8	136	7.349	7.322	0.027	92	234896	40.0	
* 3 Acenaphthene-d10	164	9.416	9.400	0.016	91	161063	40.0	
* 4 Phenanthrene-d10	188	11.040	11.024	0.016	98	225747	40.0	
* 5 Chrysene-d12	240	13.471	13.417	0.054	66	232989	40.0	
* 6 Perylene-d12	264	14.673	14.614	0.059	97	226371	40.0	
$ 7 2-Fluorophenol	112	4.282	4.239	0.043	93	233240	125.4	
$ 8 Phenol-d5	99	5.457	5.431	0.026	91	336466	130.7	
$ 9 Nitrobenzene-d5	82	6.510	6.478	0.032	95	271272	94.5	
$ 10 2-Fluorobiphenyl	172	8.636	8.615	0.021	98	461510	93.6	
$ 11 2,4,6-Tribromophenol	330	10.330	10.308	0.022	88	134239	192.6	
$ 12 p-Terphenyl-d14	244	12.552	12.509	0.043	96	471531	98.6	
62 Benzaldehyde	77	5.308	5.286	0.022	95	159833	101.7	
63 Phenol	94	5.473	5.447	0.026	87	263330	90.8	
66 Bis(2-chloroethyl)ether	93	5.532	5.505	0.027	85	169426	84.5	
67 2-Chlorophenol	128	5.591	5.564	0.027	89	160784	83.7	
74 2,2'-oxybis[1-chloropropane]	45	6.179	6.157	0.022	82	166215	94.7	
73 2-Methylphenol	108	6.195	6.163	0.032	91	182093	94.7	
76 Acetophenone	105	6.334	6.307	0.027	94	293438	106.1	
78 N-Nitrosodi-n-propylamine	70	6.344	6.312	0.032	93	186465	107.0	
79 4-Methylphenol	108	6.387	6.355	0.032	89	405124	211.3	E
81 Hexachloroethane	117	6.424	6.398	0.026	89	85802	93.6	
83 Nitrobenzene	77	6.531	6.499	0.032	93	279558	102.5	
86 Isophorone	82	6.825	6.793	0.032	99	474644	99.1	
87 2-Nitrophenol	139	6.905	6.878	0.027	82	95946	86.9	
89 2,4-Dimethylphenol	107	7.007	6.980	0.027	97	247773	95.6	
94 Bis(2-chloroethoxy)methane	93	7.092	7.065	0.027	99	223598	89.6	
97 2,4-Dichlorophenol	162	7.215	7.194	0.021	89	160823	87.3	
99 Naphthalene	128	7.370	7.343	0.027	97	513478	90.0	
101 4-Chloroaniline	127	7.466	7.445	0.021	93	182852	77.7	
104 Hexachlorobutadiene	225	7.520	7.498	0.022	87	121650	93.6	

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ng/uL	Flags
105 Caprolactam	113	7.947	7.872	0.075	89	52552	93.1	
110 4-Chloro-3-methylphenol	107	8.097	8.059	0.038	94	229986	102.8	
113 2-Methylnaphthalene	142	8.193	8.171	0.022	93	372659	89.8	
116 Hexachlorocyclopentadiene	237	8.374	8.353	0.021	96	119756	93.3	
118 2,4,6-Trichlorophenol	196	8.556	8.529	0.027	94	136237	97.1	
119 2,4,5-Trichlorophenol	196	8.631	8.599	0.032	88	149475	109.5	
123 1,1'-Biphenyl	154	8.748	8.732	0.016	98	504507	94.5	
124 2-Chloronaphthalene	162	8.764	8.743	0.021	97	404278	100.6	
125 2-Nitroaniline	65	8.925	8.903	0.022	93	181777	121.8	
128 Dimethyl phthalate	163	9.154	9.122	0.032	96	525592	106.0	
130 2,6-Dinitrotoluene	165	9.218	9.197	0.021	51	115982	105.1	
131 Acenaphthylene	152	9.250	9.229	0.021	98	634597	97.5	
132 3-Nitroaniline	138	9.427	9.400	0.027	91	104194	92.8	
133 Acenaphthene	153	9.459	9.432	0.027	98	391109	99.2	
134 2,4-Dinitrophenol	184	9.555	9.528	0.027	88	32379	51.9	
138 Dibenzofuran	168	9.662	9.640	0.022	98	594969	100.6	
137 2,4-Dinitrotoluene	165	9.699	9.672	0.027	82	170529	112.1	
135 4-Nitrophenol	109	9.705	9.683	0.022	92	140730	148.8	
142 Diethyl phthalate	149	9.972	9.950	0.022	97	578085	110.1	
144 Fluorene	166	10.052	10.036	0.016	99	527366	104.6	
145 4-Chlorophenyl phenyl ether	204	10.062	10.046	0.016	91	278073	104.3	
147 4-Nitroaniline	138	10.137	10.110	0.027	91	116293	104.8	
148 4,6-Dinitro-2-methylphenol	198	10.159	10.132	0.027	88	83448	108.7	
149 N-Nitrosodiphenylamine	169	10.207	10.185	0.022	99	381004	128.5	
159 4-Bromophenyl phenyl ether	248	10.586	10.565	0.021	86	144239	115.1	
160 Hexachlorobenzene	284	10.639	10.618	0.021	94	149559	110.8	
163 Atrazine	200	10.800	10.784	0.016	92	137442	113.1	
165 Pentachlorophenol	266	10.869	10.848	0.021	89	69080	92.3	
171 Phenanthrene	178	11.067	11.035	0.032	99	715489	119.3	
172 Anthracene	178	11.120	11.088	0.032	99	653143	109.7	
173 Carbazole	167	11.302	11.270	0.032	99	566057	107.4	
176 Di-n-butyl phthalate	149	11.644	11.612	0.032	99	783997	114.3	
182 Fluoranthene	202	12.205	12.162	0.043	99	766482	123.0	
185 Pyrene	202	12.408	12.360	0.048	99	742079	118.5	
192 Butyl benzyl phthalate	149	12.979	12.937	0.043	89	337699	97.4	
196 3,3'-Dichlorobenzidine	252	13.439	13.396	0.043	64	187477	71.0	
197 Benzo[a]anthracene	228	13.460	13.412	0.048	94	724510	112.2	
198 Bis(2-ethylhexyl) phthalate	149	13.471	13.428	0.043	92	550663	116.5	
199 Chrysene	228	13.492	13.444	0.048	96	618358	106.7	
201 Di-n-octyl phthalate	149	14.005	13.968	0.037	98	778730	109.1	
203 Benzo[b]fluoranthene	252	14.358	14.358	0.043	99	706152	110.7	
204 Benzo[k]fluoranthene	252	14.374	14.374	0.038	97	738882	109.1	
206 Benzo[a]pyrene	252	14.630	14.587	0.043	98	612720	114.5	
208 Indeno[1,2,3-cd]pyrene	276	15.693	15.634	0.059	79	874909	128.3	
209 Dibenz(a,h)anthracene	278	15.693	15.640	0.053	87	775241	125.1	
210 Benzo[g,h,i]perylene	276	15.971	15.917	0.054	98	643048	114.7	

QC Flag Legend

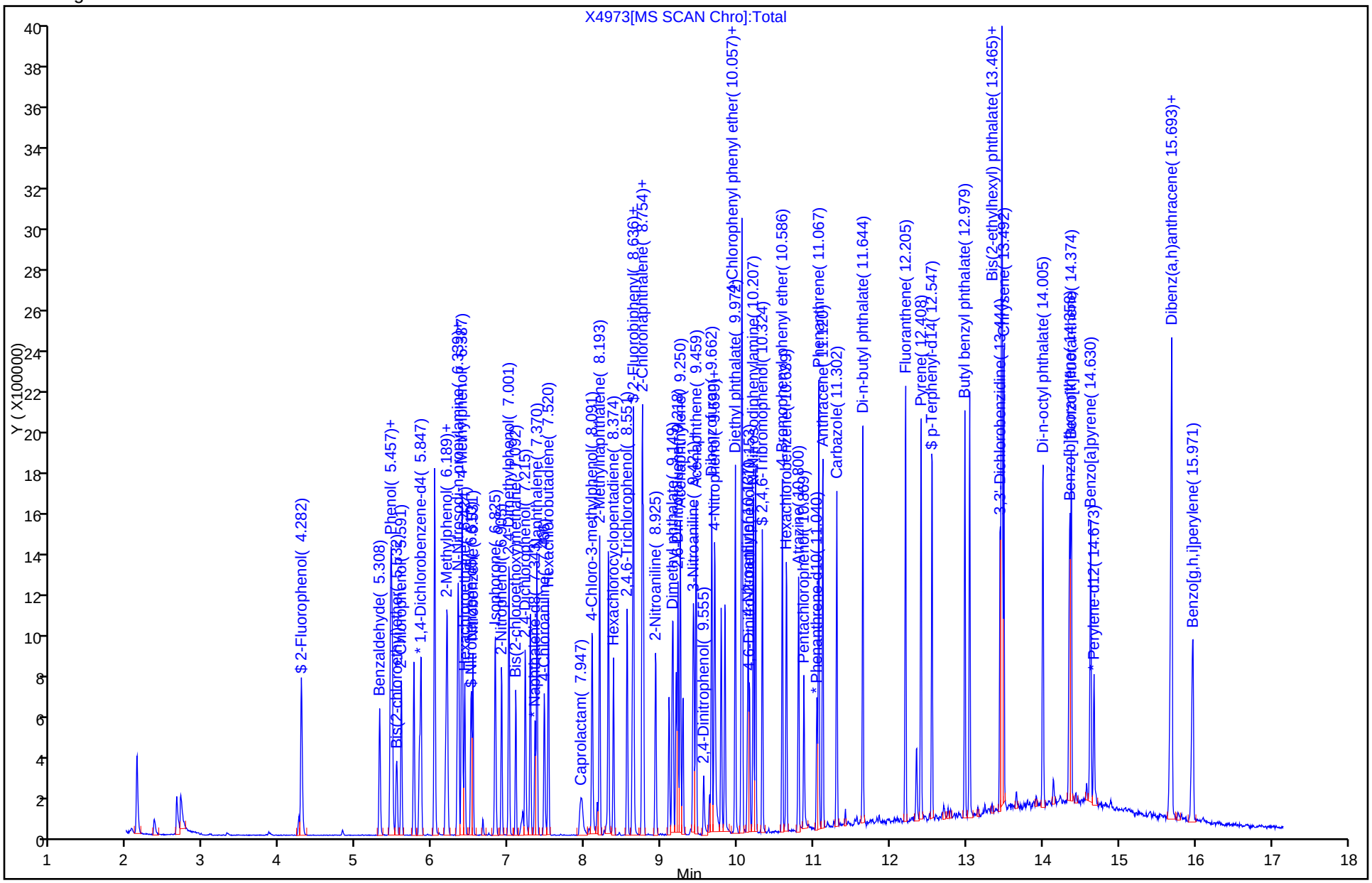
Processing Flags
E - Exceeded Maximum Amount

Report Date: 07-Apr-2012 11:25:21 Chrom Revision: 2.0 20-Feb-2012 13:27:02

Data File: \\Bufchrom\ChromData\HP5973X\20120406-10792.b\X4973.D

Injection Date:	06-Apr-2012 23:26:30	Limit Group:	MB - 8270C ICAL
Client ID:	SB-A3 (5'-6'1")	Instrument ID:	HP5973X
Lims Batch ID:	58507	Lims Sample ID:	23
Operator ID:	RMM	Injection Vol:	1.00 ul
Column Type:	RXI-5Sil MS	Column Dia:	0.25 mm

Y Scaling:



GC/MS SEMI VOA ANALYSIS RUN LOG

Lab Name: TestAmerica Buffalo Job No.: 480-18068-1

SDG No.:

Instrument ID: HP5973X Start Date: 03/01/2012 10:55

Analysis Batch Number: 53517 End Date: 03/01/2012 17:00

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
DFTPP 480-53517/1		03/01/2012 10:55	1	X3770.D	RXI-5Sil MS 0.25(mm)
IC 480-53517/2		03/01/2012 14:12	1	X3775.D	RXI-5Sil MS 0.25(mm)
IC 480-53517/3		03/01/2012 14:35	1	X3776.D	RXI-5Sil MS 0.25(mm)
ICIS 480-53517/4		03/01/2012 15:03	1	X3777.D	RXI-5Sil MS 0.25(mm)
IC 480-53517/5		03/01/2012 15:26	1	X3778.D	RXI-5Sil MS 0.25(mm)
IC 480-53517/6		03/01/2012 15:50	1	X3779.D	RXI-5Sil MS 0.25(mm)
IC 480-53517/7		03/01/2012 16:13	1	X3780.D	RXI-5Sil MS 0.25(mm)
ICVL 480-53517/9		03/01/2012 16:36	1		RXI-5Sil MS 0.25(mm)
ICV 480-53517/8		03/01/2012 17:00	1		RXI-5Sil MS 0.25(mm)

GC/MS SEMI VOA ANALYSIS RUN LOG

Lab Name: TestAmerica Buffalo Job No.: 480-18068-1

SDG No.:

Instrument ID: HP5973X Start Date: 04/03/2012 13:13

Analysis Batch Number: 57955 End Date: 04/03/2012 16:13

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
DFTPP 480-57955/1		04/03/2012 13:13	1	X4779.D	RXI-5Sil MS 0.25(mm)
IC 480-57955/2		04/03/2012 13:29	1	X4780.D	RXI-5Sil MS 0.25(mm)
IC 480-57955/3		04/03/2012 13:52	1	X4781.D	RXI-5Sil MS 0.25(mm)
ICIS 480-57955/4		04/03/2012 14:16	1	X4782.D	RXI-5Sil MS 0.25(mm)
IC 480-57955/5		04/03/2012 14:39	1	X4783.D	RXI-5Sil MS 0.25(mm)
IC 480-57955/6		04/03/2012 15:02	1	X4784.D	RXI-5Sil MS 0.25(mm)
IC 480-57955/7		04/03/2012 15:26	1	X4785.D	RXI-5Sil MS 0.25(mm)
ICV 480-57955/8		04/03/2012 15:50	1		RXI-5Sil MS 0.25(mm)
ICVL 480-57955/9		04/03/2012 16:13	1		RXI-5Sil MS 0.25(mm)

GC/MS SEMI VOA ANALYSIS RUN LOG

Lab Name: TestAmerica Buffalo Job No.: 480-18068-1

SDG No.:

Instrument ID: HP5973X Start Date: 04/06/2012 00:04

Analysis Batch Number: 58387 End Date: 04/06/2012 11:39

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
DFTPP 480-58387/1		04/06/2012 00:04	1	X4916.D	RXI-5Sil MS 0.25(mm)
CCVIS 480-58387/2		04/06/2012 00:20	1	X4917.D	RXI-5Sil MS 0.25(mm)
CCV 480-58387/3		04/06/2012 00:43	1	X4918.D	RXI-5Sil MS 0.25(mm)
CCV 480-58387/4		04/06/2012 01:07	1		RXI-5Sil MS 0.25(mm)
CCV 480-58387/5		04/06/2012 01:31	1		RXI-5Sil MS 0.25(mm)
ZZZZZ		04/06/2012 02:18	1		RXI-5Sil MS 0.25(mm)
ZZZZZ		04/06/2012 02:41	1		RXI-5Sil MS 0.25(mm)
ZZZZZ		04/06/2012 03:05	1		RXI-5Sil MS 0.25(mm)
ZZZZZ		04/06/2012 03:28	1		RXI-5Sil MS 0.25(mm)
ZZZZZ		04/06/2012 03:52	1		RXI-5Sil MS 0.25(mm)
ZZZZZ		04/06/2012 04:15	1		RXI-5Sil MS 0.25(mm)
ZZZZZ		04/06/2012 04:39	1		RXI-5Sil MS 0.25(mm)
MB 480-58223/1-A		04/06/2012 05:02	1	X4929.D	RXI-5Sil MS 0.25(mm)
LCS 480-58223/2-A		04/06/2012 05:25	1	X4930.D	RXI-5Sil MS 0.25(mm)
ZZZZZ		04/06/2012 05:49	1		RXI-5Sil MS 0.25(mm)
ZZZZZ		04/06/2012 06:12	1		RXI-5Sil MS 0.25(mm)
ZZZZZ		04/06/2012 06:35	1		RXI-5Sil MS 0.25(mm)
ZZZZZ		04/06/2012 06:59	1		RXI-5Sil MS 0.25(mm)
ZZZZZ		04/06/2012 07:22	1		RXI-5Sil MS 0.25(mm)
ZZZZZ		04/06/2012 07:46	20		RXI-5Sil MS 0.25(mm)
ZZZZZ		04/06/2012 08:09	1		RXI-5Sil MS 0.25(mm)
ZZZZZ		04/06/2012 08:32	1		RXI-5Sil MS 0.25(mm)
ZZZZZ		04/06/2012 08:56	1		RXI-5Sil MS 0.25(mm)
ZZZZZ		04/06/2012 09:19	1		RXI-5Sil MS 0.25(mm)
ZZZZZ		04/06/2012 09:43	1		RXI-5Sil MS 0.25(mm)
ZZZZZ		04/06/2012 10:06	1		RXI-5Sil MS 0.25(mm)
ZZZZZ		04/06/2012 10:29	1		RXI-5Sil MS 0.25(mm)
ZZZZZ		04/06/2012 10:53	1		RXI-5Sil MS 0.25(mm)
480-18068-17	EQUIPMENT BLANK	04/06/2012 11:16	1	X4945.D	RXI-5Sil MS 0.25(mm)
ZZZZZ		04/06/2012 11:39	10		RXI-5Sil MS 0.25(mm)

GC/MS SEMI VOA ANALYSIS RUN LOG

Lab Name: TestAmerica Buffalo Job No.: 480-18068-1

SDG No.:

Instrument ID: HP5973X Start Date: 04/06/2012 14:53

Analysis Batch Number: 58507 End Date: 04/07/2012 02:36

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
DFTPP 480-58507/1		04/06/2012 14:53	1	X4951.D	RXI-5Sil MS 0.25(mm)
CCVIS 480-58507/2		04/06/2012 15:09	1	X4952.D	RXI-5Sil MS 0.25(mm)
CCV 480-58507/3		04/06/2012 15:33	1	X4953.D	RXI-5Sil MS 0.25(mm)
ZZZZZ		04/06/2012 15:56	1		RXI-5Sil MS 0.25(mm)
ZZZZZ		04/06/2012 16:20	1		RXI-5Sil MS 0.25(mm)
ZZZZZ		04/06/2012 16:43	1		RXI-5Sil MS 0.25(mm)
ZZZZZ		04/06/2012 17:07	1		RXI-5Sil MS 0.25(mm)
ZZZZZ		04/06/2012 17:55	1		RXI-5Sil MS 0.25(mm)
ZZZZZ		04/06/2012 18:18	1		RXI-5Sil MS 0.25(mm)
ZZZZZ		04/06/2012 18:42	1		RXI-5Sil MS 0.25(mm)
ZZZZZ		04/06/2012 19:06	1		RXI-5Sil MS 0.25(mm)
ZZZZZ		04/06/2012 19:30	1		RXI-5Sil MS 0.25(mm)
ZZZZZ		04/06/2012 20:17	1		RXI-5Sil MS 0.25(mm)
ZZZZZ		04/06/2012 20:41	1		RXI-5Sil MS 0.25(mm)
ZZZZZ		04/06/2012 21:04	1		RXI-5Sil MS 0.25(mm)
ZZZZZ		04/06/2012 21:28	1		RXI-5Sil MS 0.25(mm)
ZZZZZ		04/06/2012 21:51	1		RXI-5Sil MS 0.25(mm)
MB 480-58302/1-A		04/06/2012 22:15	1	X4970.D	RXI-5Sil MS 0.25(mm)
LCS 480-58302/2-A		04/06/2012 22:38	1	X4971.D	RXI-5Sil MS 0.25(mm)
480-18068-15 MS	SB-A3 (5'-6'1") MS	04/06/2012 23:02	1	X4972.D	RXI-5Sil MS 0.25(mm)
480-18068-15 MSD	SB-A3 (5'-6'1") MSD	04/06/2012 23:26	1	X4973.D	RXI-5Sil MS 0.25(mm)
ZZZZZ		04/06/2012 23:50	1		RXI-5Sil MS 0.25(mm)
480-18068-2	RB-03 (6"-12")	04/07/2012 00:37	5	X4976.D	RXI-5Sil MS 0.25(mm)
480-18068-3	RB-03 (12"-24")	04/07/2012 01:01	5	X4977.D	RXI-5Sil MS 0.25(mm)
480-18068-4	RB-04 (0-6")	04/07/2012 01:25	1	X4978.D	RXI-5Sil MS 0.25(mm)
480-18068-5	RB-04 (6"-12"	04/07/2012 01:49	1	X4979.D	RXI-5Sil MS 0.25(mm)
480-18068-6	RB-04 (12"-24")	04/07/2012 02:12	1	X4980.D	RXI-5Sil MS 0.25(mm)
480-18068-7	RB-05 (0-6")	04/07/2012 02:36	10	X4981.D	RXI-5Sil MS 0.25(mm)

GC/MS SEMI VOA ANALYSIS RUN LOG

Lab Name: TestAmerica Buffalo Job No.: 480-18068-1

SDG No.:

Instrument ID: HP5973X Start Date: 04/09/2012 10:58

Analysis Batch Number: 58716 End Date: 04/09/2012 16:26

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
DFTPP 480-58716/1		04/09/2012 10:58	1	X5073.D	RXI-5Sil MS 0.25(mm)
IC 480-58716/2		04/09/2012 11:15	1	X5074.D	RXI-5Sil MS 0.25(mm)
IC 480-58716/3		04/09/2012 11:41	1	X5075.D	RXI-5Sil MS 0.25(mm)
ICIS 480-58716/4		04/09/2012 12:05	1	X5076.D	RXI-5Sil MS 0.25(mm)
IC 480-58716/5		04/09/2012 12:29	1	X5077.D	RXI-5Sil MS 0.25(mm)
IC 480-58716/6		04/09/2012 12:53	1	X5078.D	RXI-5Sil MS 0.25(mm)
IC 480-58716/7		04/09/2012 13:17	1	X5079.D	RXI-5Sil MS 0.25(mm)
IC 480-58716/8		04/09/2012 13:41	1	X5080.D	RXI-5Sil MS 0.25(mm)
IC 480-58716/9		04/09/2012 14:05	1	X5081.D	RXI-5Sil MS 0.25(mm)
IC 480-58716/10		04/09/2012 14:28	1	X5082.D	RXI-5Sil MS 0.25(mm)
IC 480-58716/11		04/09/2012 14:52	1	X5083.D	RXI-5Sil MS 0.25(mm)
IC 480-58716/12		04/09/2012 15:15	1	X5084.D	RXI-5Sil MS 0.25(mm)
IC 480-58716/13		04/09/2012 15:39	1	X5085.D	RXI-5Sil MS 0.25(mm)
ICV 480-58716/14		04/09/2012 16:03	1		RXI-5Sil MS 0.25(mm)
ICVL 480-58716/15		04/09/2012 16:26	1		RXI-5Sil MS 0.25(mm)

GC/MS SEMI VOA ANALYSIS RUN LOG

Lab Name: TestAmerica Buffalo Job No.: 480-18068-1

SDG No.:

Instrument ID: HP5973X Start Date: 04/09/2012 16:48

Analysis Batch Number: 58786 End Date: 04/10/2012 04:31

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
DFTPP 480-58786/1		04/09/2012 16:48	1	X5088.D	RXI-5Sil MS 0.25(mm)
CCVIS 480-58786/2		04/09/2012 17:04	1	X5089.D	RXI-5Sil MS 0.25(mm)
CCV 480-58786/3		04/09/2012 17:28	1	X5090.D	RXI-5Sil MS 0.25(mm)
ZZZZZ		04/09/2012 17:52	1		RXI-5Sil MS 0.25(mm)
ZZZZZ		04/09/2012 18:16	1		RXI-5Sil MS 0.25(mm)
480-18068-1	RB-03 (0-6")	04/09/2012 18:40	1	X5093.D	RXI-5Sil MS 0.25(mm)
480-18068-8	RB-05 (6"-12"	04/09/2012 19:04	5	X5094.D	RXI-5Sil MS 0.25(mm)
480-18068-9	RB-05 (12"-24")	04/09/2012 19:28	10	X5095.D	RXI-5Sil MS 0.25(mm)
480-18068-10	RB-06 (0-6")	04/09/2012 19:51	5	X5096.D	RXI-5Sil MS 0.25(mm)
480-18068-11	RB-06 (6"-12"	04/09/2012 20:15	5	X5097.D	RXI-5Sil MS 0.25(mm)
480-18068-12	RB-06 (12"-24")	04/09/2012 20:38	10	X5098.D	RXI-5Sil MS 0.25(mm)
480-18068-13	SB-A1 (15'-15'8")	04/09/2012 21:02	20	X5099.D	RXI-5Sil MS 0.25(mm)
480-18068-14	SB-A2 (10'-11')	04/09/2012 21:25	5	X5100.D	RXI-5Sil MS 0.25(mm)
480-18068-15	SB-A3 (5'-6'1")	04/09/2012 21:48	1	X5101.D	RXI-5Sil MS 0.25(mm)
480-18068-16	DUP-03	04/09/2012 22:12	1	X5102.D	RXI-5Sil MS 0.25(mm)
ZZZZZ		04/09/2012 22:35	2		RXI-5Sil MS 0.25(mm)
ZZZZZ		04/09/2012 22:59	10		RXI-5Sil MS 0.25(mm)
ZZZZZ		04/09/2012 23:23	1		RXI-5Sil MS 0.25(mm)
ZZZZZ		04/09/2012 23:46	1		RXI-5Sil MS 0.25(mm)
ZZZZZ		04/10/2012 00:10	1		RXI-5Sil MS 0.25(mm)
ZZZZZ		04/10/2012 00:33	1		RXI-5Sil MS 0.25(mm)
ZZZZZ		04/10/2012 00:57	1		RXI-5Sil MS 0.25(mm)
ZZZZZ		04/10/2012 01:21	1		RXI-5Sil MS 0.25(mm)
ZZZZZ		04/10/2012 01:44	1		RXI-5Sil MS 0.25(mm)
ZZZZZ		04/10/2012 02:08	1		RXI-5Sil MS 0.25(mm)
ZZZZZ		04/10/2012 02:32	1		RXI-5Sil MS 0.25(mm)
ZZZZZ		04/10/2012 02:55	1		RXI-5Sil MS 0.25(mm)
ZZZZZ		04/10/2012 03:19	1		RXI-5Sil MS 0.25(mm)
ZZZZZ		04/10/2012 03:43	1		RXI-5Sil MS 0.25(mm)
ZZZZZ		04/10/2012 04:07	1		RXI-5Sil MS 0.25(mm)
ZZZZZ		04/10/2012 04:31	1		RXI-5Sil MS 0.25(mm)

GC/MS SEMI VOA BATCH WORKSHEET

Lab Name: TestAmerica Buffalo Job No.: 480-18068-1

SDG No.:

Batch Number: 58223 Batch Start Date: 04/05/12 07:38 Batch Analyst: Radigan, Timothy

Batch Method: 3510C Batch End Date:

Lab Sample ID	Client Sample ID	Method Chain	Basis	ReceivedpH	InitialAmount	FinalAmount	FirstAdjustpH	SecondAdjustpH	O_8270625surr 00003
MB 480-58223/1		3510C, 8270C		5	1000 mL	1 mL	<2	>11	1 mL
LCS 480-58223/2		3510C, 8270C		5	1000 mL	1 mL	<2	>11	1 mL
480-18068-B-17	EQUIPMENT BLANK	3510C, 8270C	T	5	1000 mL	1 mL	<2	>11	1 mL

Lab Sample ID	Client Sample ID	Method Chain	Basis	O_8270full#1 00019	O_8270full#2 00018				
MB 480-58223/1		3510C, 8270C							
LCS 480-58223/2		3510C, 8270C		1 mL	1 mL				
480-18068-B-17	EQUIPMENT BLANK	3510C, 8270C	T						

Batch Notes	
Acid used for pH adjustment	Sulfuric Acid
Acid used for pH adjust Lot #	1080840
Base used for pH adjustment	Sodium Hydroxide
Base used for pH adjust Lot #	HC132325
Person's name who did the concentration	MZ & TCR
Final Concentrator Volume	1 mL
Na2SO4 Lot Number	27862003
Prep Solvent Lot #	L08E04
Prep Solvent Name	MeCl2
Prep Solvent Volume Used	360 mL
Person's name who did the prep	TCR & MZ
Person's name who witnessed reagent drop	TCR
Sufficient volume for MS/MSD?	No

Basis	Basis Description
T	Total/NA

GC/MS SEMI VOA BATCH WORKSHEET

Lab Name: TestAmerica Buffalo Job No.: 480-18068-1

SDG No.:

Batch Number: 58302 Batch Start Date: 04/05/12 10:42 Batch Analyst: Myers, Carmela

Batch Method: 3550B Batch End Date:

Lab Sample ID	Client Sample ID	Method Chain	Basis	InitialAmount	FinalAmount	O_8270625surr 00003	O_8270full#1 00019	O_8270full#2 00018	
MB 480-58302/1		3550B, 8270C		+30.51 g	1 mL	1 mL			
LCS 480-58302/2		3550B, 8270C		+30.36 g	1 mL	1 mL	1 mL	1 mL	
480-18068-A-15 MS	SB-A3 (5'-6'1")	3550B, 8270C	T	+30.29 g	1 mL	1 mL	1 mL	1 mL	
480-18068-A-15 MSD	SB-A3 (5'-6'1")	3550B, 8270C	T	+30.68 g	1 mL	1 mL	1 mL	1 mL	
480-18068-B-1	RB-03 (0-6")	3550B, 8270C	T	+30.04 g	1 mL	1 mL			
480-18068-A-2	RB-03 (6"-12")	3550B, 8270C	T	+30.36 g	1 mL	1 mL			
480-18068-C-3	RB-03 (12"-24")	3550B, 8270C	T	+30.05 g	1 mL	1 mL			
480-18068-C-4	RB-04 (0-6")	3550B, 8270C	T	+30.06 g	1 mL	1 mL			
480-18068-A-5	RB-04 (6"-12"	3550B, 8270C	T	+30.02 g	1 mL	1 mL			
480-18068-B-6	RB-04 (12"-24")	3550B, 8270C	T	+30.32 g	1 mL	1 mL			
480-18068-B-7	RB-05 (0-6")	3550B, 8270C	T	+30.25 g	1 mL	1 mL			
480-18068-B-8	RB-05 (6"-12"	3550B, 8270C	T	+30.68 g	1 mL	1 mL			
480-18068-C-9	RB-05 (12"-24")	3550B, 8270C	T	+30.63 g	1 mL	1 mL			
480-18068-B-10	RB-06 (0-6")	3550B, 8270C	T	+30.78 g	1 mL	1 mL			
480-18068-B-11	RB-06 (6"-12"	3550B, 8270C	T	+30.11 g	1 mL	1 mL			
480-18068-A-12	RB-06 (12"-24")	3550B, 8270C	T	+30.53 g	1 mL	1 mL			
480-18068-A-13	SB-A1 (15'-15'8")	3550B, 8270C	T	+30.92 g	1 mL	1 mL			
480-18068-A-14	SB-A2 (10'-11')	3550B, 8270C	T	+30.71 g	1 mL	1 mL			
480-18068-A-15	SB-A3 (5'-6'1")	3550B, 8270C	T	+30.26 g	1 mL	1 mL			
480-18068-A-16	DUP-03	3550B, 8270C	T	+30.87 g	1 mL	1 mL			

GC/MS SEMI VOA BATCH WORKSHEET

Lab Name: TestAmerica Buffalo Job No.: 480-18068-1

SDG No.:

Batch Number: 58302 Batch Start Date: 04/05/12 10:42 Batch Analyst: Myers, Carmela

Batch Method: 3550B Batch End Date:

Batch Notes	
Balance ID	40029
Person's name who did the concentration	MRB/TCR
Final Concentrator Volume	1 mL
Na2SO4 Lot Number	27862003
Nominal Amount Used	30 g
Prep Solvent Lot #	L08E04
Prep Solvent Name	MeCl2
Prep Solvent Volume Used	300 mL
Person's name who did the prep	CM/TCR
Person's name who witnessed reagent drop	CM/TCR

Basis	Basis Description
T	Total/NA

Method 8082

Polychlorinated Biphenyls (PCBs) by Gas Chromatography by Method 8082

FORM II
PCBS SURROGATE RECOVERY

Lab Name: TestAmerica Buffalo Job No.: 480-18068-1

SDG No.:

Matrix: Solid Level: Low

GC Column (1): ZB-5 ID: 0.53 (mm) GC Column (2): ZB-35 ID: 0.53 (mm)

Client Sample ID	Lab Sample ID	TCX1 #	TCX2 #	DCB1 #	DCB2 #
RB-03 (0-6")	480-18068-1	90	84	93	81
RB-03 (6"-12")	480-18068-2	118	112	124	105
RB-03 (12"-24")	480-18068-3	108	102	104	88
RB-04 (0-6")	480-18068-4	122	115	123	105
RB-04 (6"-12"	480-18068-5	103	96	106	89
RB-04 (12"-24")	480-18068-6	104	100	105	89
RB-05 (0-6")	480-18068-7	123	116	125	111
RB-05 (6"-12"	480-18068-8	89	83	95	82
RB-05 (12"-24")	480-18068-9	116	109	119	104
RB-06 (0-6")	480-18068-10	131	122	142	120
RB-06 (6"-12"	480-18068-11	113	106	123	107
RB-06 (12"-24")	480-18068-12	130	122	144	127
	MB 480-58267/1-A	140	136	157	134
	LCS 480-58267/2-A	182 X	160	184 X	157
RB-06 (12"-24") MS	480-18068-12 MS	174 X	153	184 X	163
RB-06 (12"-24") MSD	480-18068-12 MSD	176 X	153	184 X	163

	QC LIMITS
TCX = Tetrachloro-m-xylene	24-172
DCB = DCB Decachlorobiphenyl	36-182

Column to be used to flag recovery values

FORM II 8082

FORM III
PCBS LAB CONTROL SAMPLE RECOVERY

Lab Name: TestAmerica Buffalo Job No.: 480-18068-1

SDG No.:

Matrix: Solid Level: Low Lab File ID: 12_163_200.D

Lab ID: LCS 480-58267/2-A Client ID:

COMPOUND	SPIKE ADDED (ug/Kg)	LCS CONCENTRATION (ug/Kg)	LCS % REC	QC LIMITS REC	#
PCB-1016	2370	3470	146	51-185	
PCB-1260	2370	3720	157	61-184	

Column to be used to flag recovery and RPD values

FORM III 8082

FORM III
PCBS MATRIX SPIKE RECOVERY

Lab Name: TestAmerica Buffalo Job No.: 480-18068-1

SDG No.:

Matrix: Solid Level: Low Lab File ID: 12_163_220.D

Lab ID: 480-18068-12 MS Client ID: RB-06 (12"-24") MS

COMPOUND	SPIKE ADDED (ug/Kg)	SAMPLE CONCENTRATION (ug/Kg)	MS CONCENTRATION (ug/Kg)	MS % REC	QC LIMITS REC	#
PCB-1016	2120	ND	2830	133	42-159	
PCB-1260	2120	ND	3080	145	47-153	

Column to be used to flag recovery and RPD values

FORM III 8082

FORM III
PCBS MATRIX SPIKE DUPLICATE RECOVERY

Lab Name: TestAmerica Buffalo Job No.: 480-18068-1

SDG No.:

Matrix: Solid Level: Low Lab File ID: 12_163_221.D

Lab ID: 480-18068-12 MSD Client ID: RB-06 (12"-24") MSD

COMPOUND	SPIKE ADDED (ug/Kg)	MSD CONCENTRATION (ug/Kg)	MSD % REC	% RPD	QC LIMITS RPD	QC LIMITS REC	#
PCB-1016	2150	2720	127	3.85	50	42-159	
PCB-1260	2150	2920	136	5.31	50	47-153	

Column to be used to flag recovery and RPD values

FORM III 8082

FORM IV
PCBS METHOD BLANK SUMMARY

Lab Name: TestAmerica Buffalo Job No.: 480-18068-1

SDG No.:

Lab Sample ID: MB 480-58267/1-A

Matrix: Solid Date Extracted: 04/05/2012 09:40

Lab File ID:(1) 12_163_199.D Lab File ID:(2) 12_163_199.D

Date Analyzed:(1) 04/05/2012 18:12 Date Analyzed:(2) 04/05/2012 18:12

Instrument ID:(1) HP5890-12 Instrument ID:(2) HP5890-12

GC Column:(1) ZB-5 ID: 0.53(mm) GC Column:(2) ZB-35 ID: 0.53(mm)

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES:

CLIENT SAMPLE ID	LAB SAMPLE ID	DATE ANALYZED 1	DATE ANALYZED 2
	LCS 480-58267/2-A	04/05/2012 18:27	04/05/2012 18:27
RB-03 (0-6")	480-18068-1	04/05/2012 19:55	04/05/2012 19:55
RB-03 (6"-12")	480-18068-2	04/05/2012 20:10	04/05/2012 20:10
RB-03 (12"-24")	480-18068-3	04/05/2012 20:25	04/05/2012 20:25
RB-04 (0-6")	480-18068-4	04/05/2012 20:39	04/05/2012 20:39
RB-04 (6"-12"	480-18068-5	04/05/2012 20:54	04/05/2012 20:54
RB-04 (12"-24")	480-18068-6	04/05/2012 21:09	04/05/2012 21:09
RB-05 (0-6")	480-18068-7	04/05/2012 21:24	04/05/2012 21:24
RB-05 (6"-12"	480-18068-8	04/05/2012 21:38	04/05/2012 21:38
RB-05 (12"-24")	480-18068-9	04/05/2012 21:53	04/05/2012 21:53
RB-06 (0-6")	480-18068-10	04/05/2012 22:08	04/05/2012 22:08
RB-06 (6"-12"	480-18068-11	04/05/2012 22:52	04/05/2012 22:52
RB-06 (12"-24")	480-18068-12	04/05/2012 23:07	04/05/2012 23:07
RB-06 (12"-24") MS	480-18068-12 MS	04/05/2012 23:22	04/05/2012 23:22
RB-06 (12"-24") MSD	480-18068-12 MSD	04/05/2012 23:36	04/05/2012 23:36

FORM X
IDENTIFICATION SUMMARY

Lab Name: TestAmerica Buffalo Job No.: 480-18068-1

SDG No.:

Client Sample ID: RB-06 (12"-24") MS Lab Sample ID: 480-18068-12 MS

Instrument ID (1): HP5890-12 Instrument ID (2): HP5890-12

Date Analyzed (1): 04/05/2012 23:22 Date Analyzed (2): 04/05/2012 23:22

GC Column (1): ZB-5 ID: 0.53(mm) GC Column (2): ZB-35 ID: 0.53(mm)

ANALYTE	COL	PEAK	RT	RT WINDOW		CONCENTRATION		RPD
				FROM	TO	PEAK	MEAN	
PCB-1016	1	1	2.68	2.65	2.71	3200	3610	24.4
		2	2.82	2.79	2.85	3670		
		3	3.01	2.98	3.04	3540		
		4	3.09	3.06	3.12	4030		
	2	1	2.32	2.29	2.35	2660	2830	
		2	2.61	2.58	2.64	2830		
		3	2.72	2.69	2.75	3010		
		4	3.06	3.03	3.09	2800		
PCB-1260	1	1	4.77	4.74	4.80	3970	3650	16.9
		2	5.12	5.09	5.15	3450		
		3	5.33	5.30	5.36	3560		
		4	5.77	5.73	5.79	3630		
	2	1	4.54	4.51	4.57	2960	3080	
		2	4.67	4.64	4.70	3060		
		3	4.95	4.92	4.98	2810		
		4	5.31	5.28	5.34	3510		

FORM X
IDENTIFICATION SUMMARY

Lab Name: TestAmerica Buffalo Job No.: 480-18068-1

SDG No.:

Client Sample ID: RB-06 (12"-24") MSD Lab Sample ID: 480-18068-12 MSD

Instrument ID (1): HP5890-12 Instrument ID (2): HP5890-12

Date Analyzed (1): 04/05/2012 23:36 Date Analyzed (2): 04/05/2012 23:36

GC Column (1): ZB-5 ID: 0.53(mm) GC Column (2): ZB-35 ID: 0.53(mm)

ANALYTE	COL	PEAK	RT	RT WINDOW		CONCENTRATION		RPD
				FROM	TO	PEAK	MEAN	
PCB-1016	1	1	2.68	2.65	2.71	3350	3540	26.2
		2	2.82	2.79	2.85	3530		
		3	3.01	2.98	3.04	3400		
		4	3.09	3.06	3.12	3890		
	2	1	2.32	2.29	2.35	2570	2720	
		2	2.61	2.58	2.64	2710		
		3	2.72	2.69	2.75	2910		
		4	3.06	3.03	3.09	2680		
PCB-1260	1	1	4.77	4.74	4.80	3790	3470	17.0
		2	5.12	5.09	5.15	3300		
		3	5.33	5.30	5.36	3400		
		4	5.76	5.73	5.79	3390		
	2	1	4.54	4.51	4.57	2830	2920	
		2	4.67	4.64	4.70	2900		
		3	4.95	4.92	4.98	2660		
		4	5.31	5.28	5.34	3310		

FORM X
IDENTIFICATION SUMMARY

Lab Name: TestAmerica Buffalo Job No.: 480-18068-1

SDG No.:

Client Sample ID: Lab Sample ID: LCS 480-58267/2-A

Instrument ID (1): HP5890-12 Instrument ID (2): HP5890-12

Date Analyzed (1): 04/05/2012 18:27 Date Analyzed (2): 04/05/2012 18:27

GC Column (1): ZB-5 ID: 0.53(mm) GC Column (2): ZB-35 ID: 0.53(mm)

ANALYTE	COL	PEAK	RT	RT WINDOW		CONCENTRATION		RPD
				FROM	TO	PEAK	MEAN	
PCB-1016	1	1	2.68	2.65	2.71	4350	4560	27.3
		2	2.82	2.79	2.85	4630		
		3	3.01	2.98	3.04	4220		
		4	3.09	3.06	3.12	5070		
	2	1	2.32	2.29	2.35	3290	3470	
		2	2.61	2.58	2.64	3410		
		3	2.72	2.69	2.75	3820		
		4	3.06	3.03	3.09	3350		
PCB-1260	1	1	4.77	4.74	4.80	4790	4370	16.1
		2	5.11	5.09	5.15	4220		
		3	5.33	5.30	5.36	4160		
		4	5.76	5.74	5.80	4320		
	2	1	4.54	4.52	4.58	3550	3720	
		2	4.66	4.64	4.70	3740		
		3	4.95	4.93	4.99	3380		
		4	5.31	5.28	5.34	4210		

FORM I
PCBS ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Buffalo Job No.: 480-18068-1

SDG No.:

Client Sample ID: RB-03 (0-6") Lab Sample ID: 480-18068-1

Matrix: Solid Lab File ID: 12_163_206.D

Analysis Method: 8082 Date Collected: 04/02/2012 11:15

Extraction Method: 3550B Date Extracted: 04/05/2012 09:40

Sample wt/vol: +2.28(g) Date Analyzed: 04/05/2012 19:55

Con. Extract Vol.: 10(mL) Dilution Factor: 1

Injection Volume: 1(uL) GC Column: ZB-5 ID: 0.53(mm)

% Moisture: 24.5 GPC Cleanup:(Y/N) N

Analysis Batch No.: 58319 Units: ug/Kg

CAS NO.	SURROGATE	%REC	Q	LIMITS
2051-24-3	DCB Decachlorobiphenyl	93		36-182
877-09-8	Tetrachloro-m-xylene	90		24-172

TestAmerica Laboratories
Target Compound Quantitation Report

Data File:	\\Bufchrom\ChromData\HP5890-12\20120405-10755.b\12_163_206.D		
Lims ID:	480-18068-B-1-E	Client ID:	
Inject. Date:	05-Apr-2012 19:55:37	Dil. Factor:	1.0000
Sample Type:	Client		
Sample ID:	Name: 480-18068-B-1-E		
Misc. Info.:	Study: 480-0010755-018 Channel B: I/F Serial#, 9205571204		
Operator:	tchrom	Instrument ID:	HP5890-12
Vol. Injected:	1.0000	ALS Bottle#:	0
Lims Batch ID:	58319	Lims Sample ID:	18
Detector 1 :	Ch-A-7A136		
Detector 2 :	Ch-B-7b136		
Method:	\\Bufchrom\ChromData\HP5890-12\20120405-10755.b\hp12_pcb.m		
Last Update:	05-Apr-2012 21:59:27	Calib Date:	23-Oct-2011 18:50:30
Quant Method:	External Standard	Quant By:	Initial Calibration
Last ICal File:	\\Bufchrom\ChromData\HP5890-12\20111023-6917.b\12_143_187.D		
Limit Group:	GC - 8082 PCB ICAL		
Integrator:	Falcon		
Process Host:	CORP-CTX-19		

First Level Reviewer: bescod Date: 06-Apr-2012 08:53:24

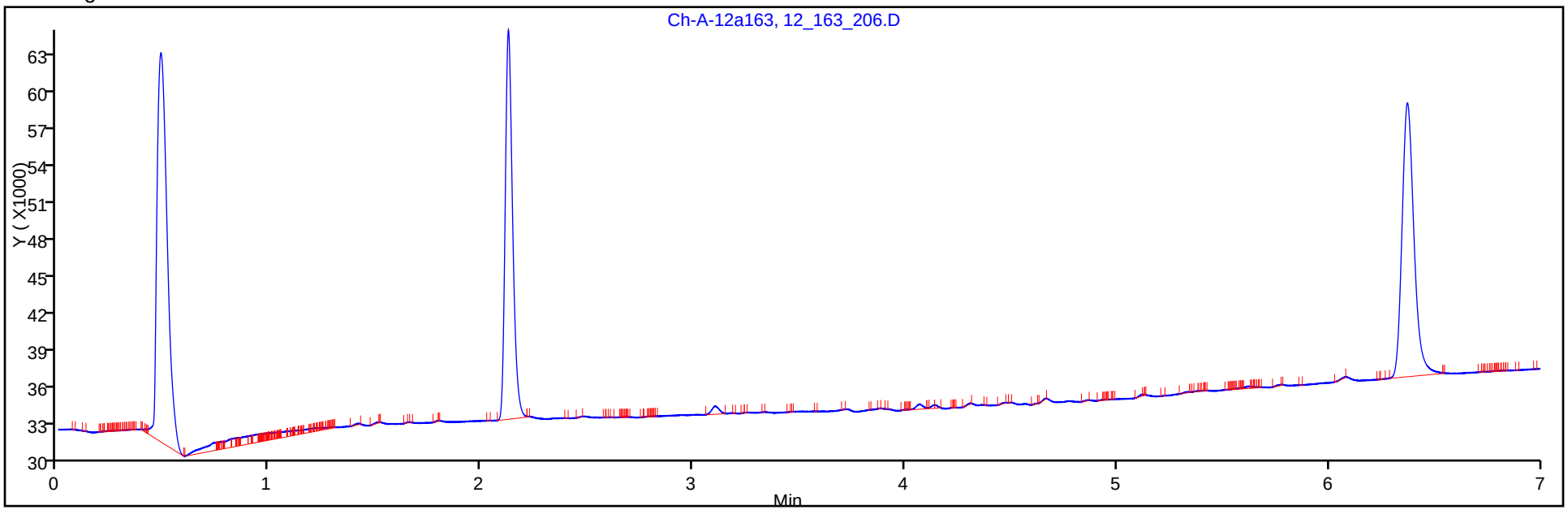
Det	Sig	RT	ADJ RT	DLT RT	Response	On-Col Amt ng/uL	Ratio Range	Ratio	Flags
$ 3 Tetrachloro-m-xylene									
1	1	2.126	2.128	-0.002	76044	0.0180			
2	2	1.654	1.655	-0.001	91120	0.0168			
						RPD = 6.52			
E 12 DCB Decachlorobiphenyl									
1	1	6.372	6.373	-0.001	86037	0.0186			
2	2	5.770	5.771	-0.001	88792	0.0161			
						RPD = 14.34			

Report Date: 06-Apr-2012 08:53:24 Chrom Revision: 2.0 20-Feb-2012 13:27:02

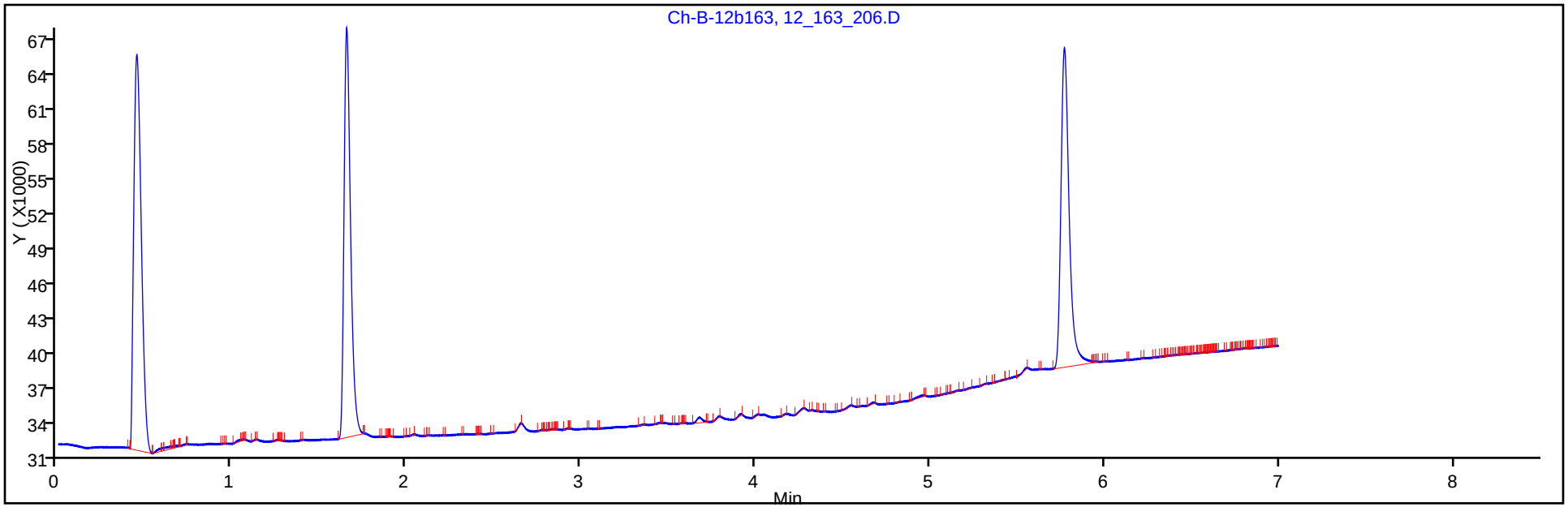
Data File: \\Bufchrom\ChromData\HP5890-12\20120405-10755.b\12_163_206.D

Injection Date:	05-Apr-2012 19:55:37	Limit Group:	GC - 8082 PCB ICAL
Client ID:		Instrument ID:	HP5890-12
Lims Batch ID:	58319	Lims Sample ID:	18
Operator ID:	tchrom	Injection Vol:	1.00 ul

Y Scaling:



Y Scaling:



FORM I
PCBS ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Buffalo | Job No.: 480-18068-1

SDG No.:

Client Sample ID: RB-03 (0-6") | Lab Sample ID: 480-18068-1

Matrix: Solid | Lab File ID: 12_163_206.D

Analysis Method: 8082 | Date Collected: 04/02/2012 11:15

Extraction Method: 3550B | Date Extracted: 04/05/2012 09:40

Sample wt/vol: +2.28(g) | Date Analyzed: 04/05/2012 19:55

Con. Extract Vol.: 10(mL) | Dilution Factor: 1

Injection Volume: 1(uL) | GC Column: ZB-35 ID: 0.53(mm)

% Moisture: 24.5 | GPC Cleanup:(Y/N) N

Analysis Batch No.: 58319 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
12674-11-2	PCB-1016	ND		290	57
11104-28-2	PCB-1221	ND		290	57
11141-16-5	PCB-1232	ND		290	57
53469-21-9	PCB-1242	ND		290	63
12672-29-6	PCB-1248	ND		290	57
11097-69-1	PCB-1254	ND		290	61
11096-82-5	PCB-1260	ND		290	140

CAS NO.	SURROGATE	%REC	Q	LIMITS
2051-24-3	DCB Decachlorobiphenyl	81		36-182
877-09-8	Tetrachloro-m-xylene	84		24-172

TestAmerica Laboratories
Target Compound Quantitation Report

Data File:	\\Bufchrom\ChromData\HP5890-12\20120405-10755.b\12_163_206.D		
Lims ID:	480-18068-B-1-E	Client ID:	
Inject. Date:	05-Apr-2012 19:55:37	Dil. Factor:	1.0000
Sample Type:	Client		
Sample ID:	Name: 480-18068-B-1-E		
Misc. Info.:	Study: 480-0010755-018 Channel B: I/F Serial#, 9205571204		
Operator:	tchrom	Instrument ID:	HP5890-12
Vol. Injected:	1.0000	ALS Bottle#:	0
Lims Batch ID:	58319	Lims Sample ID:	18
Detector 1 :	Ch-A-7A136		
Detector 2 :	Ch-B-7b136		
Method:	\\Bufchrom\ChromData\HP5890-12\20120405-10755.b\hp12_pcb.m		
Last Update:	05-Apr-2012 21:59:27	Calib Date:	23-Oct-2011 18:50:30
Quant Method:	External Standard	Quant By:	Initial Calibration
Last ICal File:	\\Bufchrom\ChromData\HP5890-12\20111023-6917.b\12_143_187.D		
Limit Group:	GC - 8082 PCB ICAL		
Integrator:	Falcon		
Process Host:	CORP-CTX-19		

First Level Reviewer: bescod Date: 06-Apr-2012 08:53:24

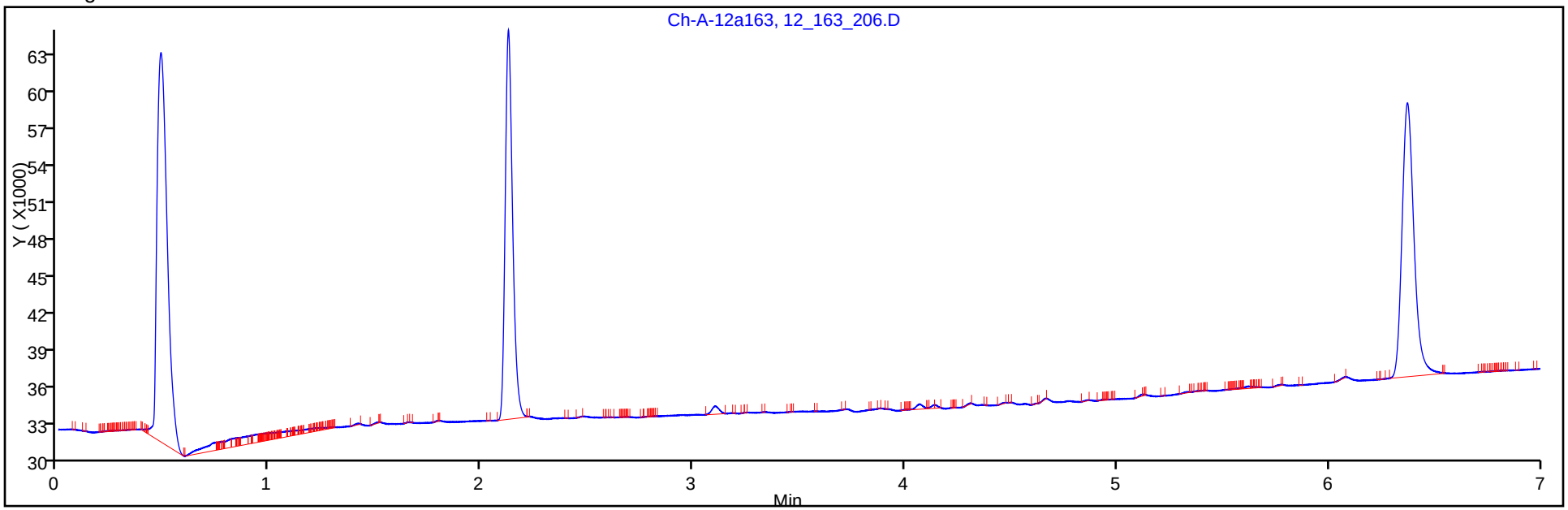
Det	Sig	RT	ADJ RT	DLT RT	Response	On-Col Amt ng/uL	Ratio Range	Ratio	Flags
$ 3 Tetrachloro-m-xylene									
1	1	2.126	2.128	-0.002	76044	0.0180			
2	2	1.654	1.655	-0.001	91120	0.0168			
						RPD = 6.52			
E 12 DCB Decachlorobiphenyl									
1	1	6.372	6.373	-0.001	86037	0.0186			
2	2	5.770	5.771	-0.001	88792	0.0161			
						RPD = 14.34			

Report Date: 06-Apr-2012 08:53:24 Chrom Revision: 2.0 20-Feb-2012 13:27:02

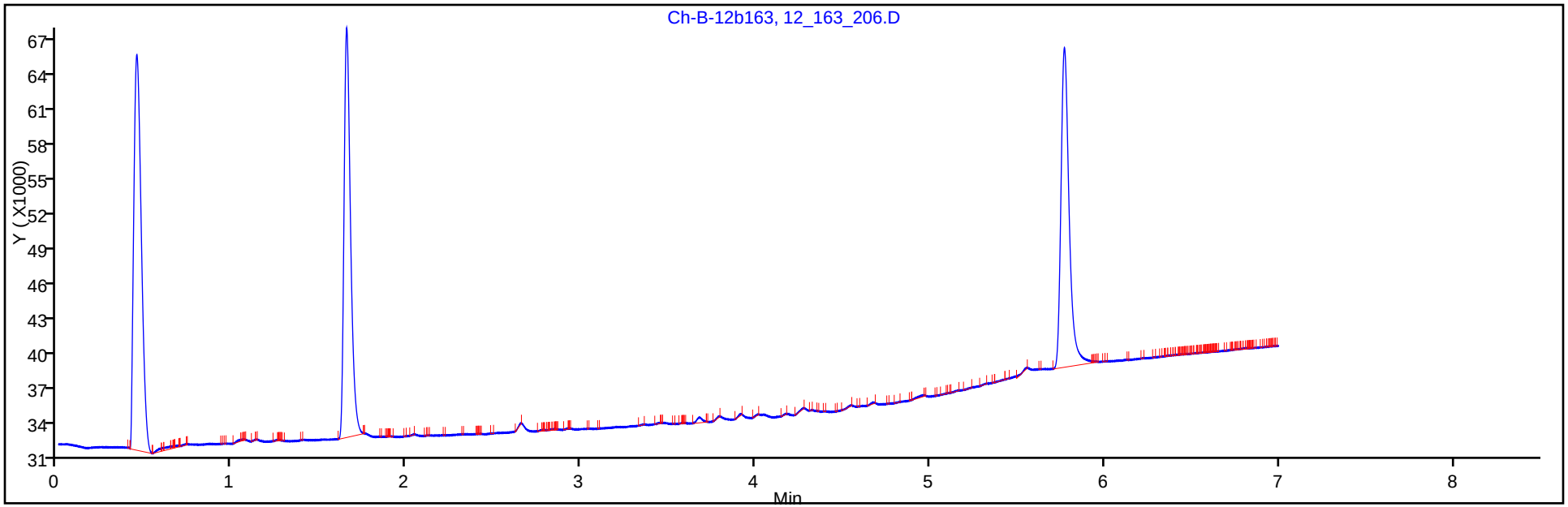
Data File: \\Bufchrom\ChromData\HP5890-12\20120405-10755.b\12_163_206.D

Injection Date:	05-Apr-2012 19:55:37	Limit Group:	GC - 8082 PCB ICAL
Client ID:		Instrument ID:	HP5890-12
Lims Batch ID:	58319	Lims Sample ID:	18
Operator ID:	tchrom	Injection Vol:	1.00 ul

Y Scaling:



Y Scaling:



FORM I
PCBS ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Buffalo Job No.: 480-18068-1

SDG No.:

Client Sample ID: RB-03 (6"-12") Lab Sample ID: 480-18068-2

Matrix: Solid Lab File ID: 12_163_207.D

Analysis Method: 8082 Date Collected: 04/02/2012 12:20

Extraction Method: 3550B Date Extracted: 04/05/2012 09:40

Sample wt/vol: +2.21(g) Date Analyzed: 04/05/2012 20:10

Con. Extract Vol.: 10(mL) Dilution Factor: 1

Injection Volume: 1(uL) GC Column: ZB-5 ID: 0.53(mm)

% Moisture: 18.2 GPC Cleanup:(Y/N) N

Analysis Batch No.: 58319 Units: ug/Kg

CAS NO.	SURROGATE	%REC	Q	LIMITS
2051-24-3	DCB Decachlorobiphenyl	124		36-182
877-09-8	Tetrachloro-m-xylene	118		24-172

TestAmerica Laboratories
Target Compound Quantitation Report

Data File:	\\Bufchrom\ChromData\HP5890-12\20120405-10755.b\12_163_207.D		
Lims ID:	480-18068-A-2-A	Client ID:	RB-03 (6"-12")
Inject. Date:	05-Apr-2012 20:10:28	Dil. Factor:	1.0000
Sample Type:	Client		
Sample ID:	Name: 480-18068-A-2-A		
Misc. Info.:	Study: 480-0010755-019 Channel B: I/F Serial#, 9205571204		
Operator:	tchrom	Instrument ID:	HP5890-12
Vol. Injected:	1.0000	ALS Bottle#:	0
Lims Batch ID:	58319	Lims Sample ID:	19
Detector 1 :	Ch-A-7A136		
Detector 2 :	Ch-B-7b136		
Method:	\\Bufchrom\ChromData\HP5890-12\20120405-10755.b\hp12_pcb.m		
Last Update:	05-Apr-2012 21:59:27	Calib Date:	23-Oct-2011 18:50:30
Quant Method:	External Standard	Quant By:	Initial Calibration
Last ICal File:	\\Bufchrom\ChromData\HP5890-12\20111023-6917.b\12_143_187.D		
Limit Group:	GC - 8082 PCB ICAL		
Integrator:	Falcon		
Process Host:	CORP-CTX-19		

First Level Reviewer: bescod Date: 06-Apr-2012 08:53:40

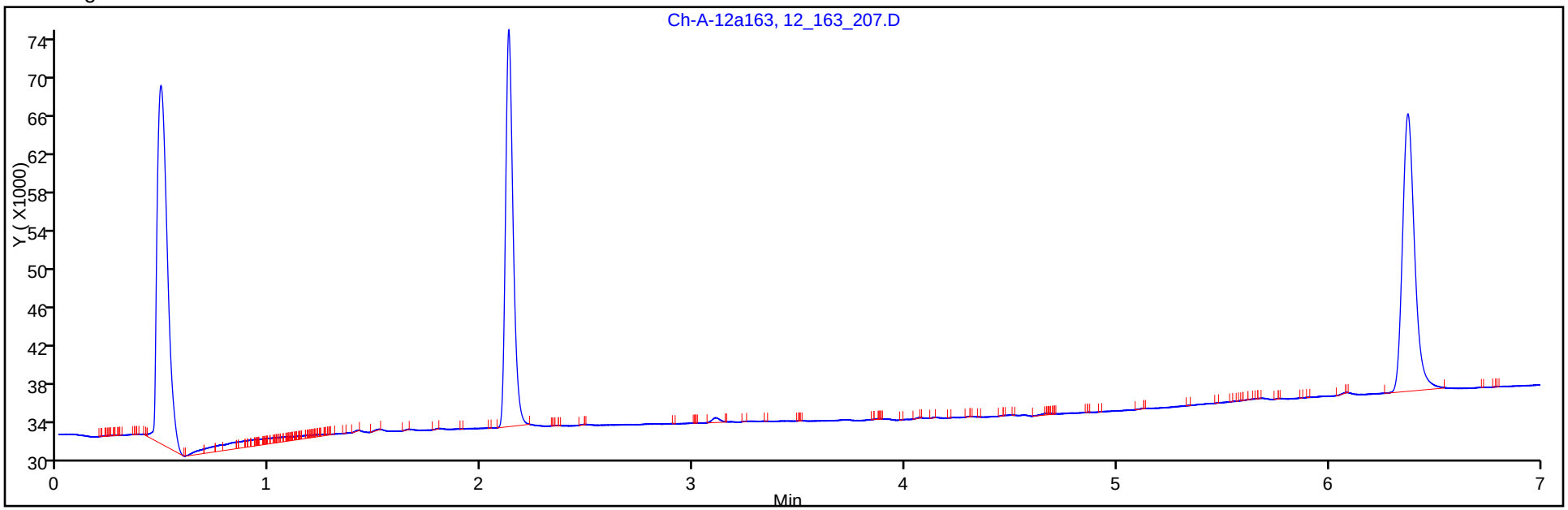
Det	Sig	RT	ADJ RT	DLT RT	Response	On-Col Amt ng/uL	Ratio Range	Ratio	Flags
$ 3 Tetrachloro-m-xylene									
1	1	2.128	2.128	0.000	102268	0.0237			
2	2	1.655	1.655	0.000	123386	0.0224			
						RPD = 5.47			
E 12 DCB Decachlorobiphenyl									
1	1	6.375	6.373	0.002	114769	0.0249			
2	2	5.770	5.771	-0.001	116274	0.0211			
						RPD = 16.18			

Report Date: 06-Apr-2012 08:53:41 Chrom Revision: 2.0 20-Feb-2012 13:27:02

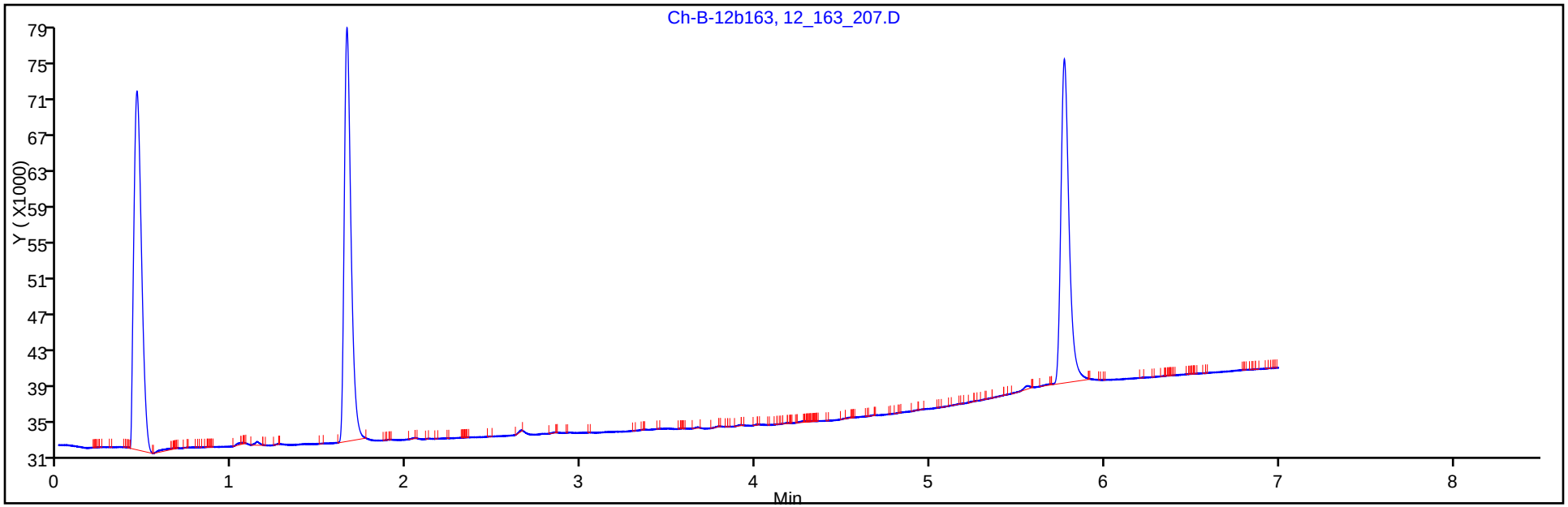
Data File: \\Bufchrom\ChromData\HP5890-12\20120405-10755.b\12_163_207.D

Injection Date:	05-Apr-2012 20:10:28	Limit Group:	GC - 8082 PCB ICAL
Client ID:	RB-03 (6"-12")	Instrument ID:	HP5890-12
Lims Batch ID:	58319	Lims Sample ID:	19
Operator ID:	tchrom	Injection Vol:	1.00 ul

Y Scaling:



Y Scaling:



FORM I
PCBS ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Buffalo | Job No.: 480-18068-1

SDG No.:

Client Sample ID: RB-03 (6"-12") | Lab Sample ID: 480-18068-2

Matrix: Solid | Lab File ID: 12_163_207.D

Analysis Method: 8082 | Date Collected: 04/02/2012 12:20

Extraction Method: 3550B | Date Extracted: 04/05/2012 09:40

Sample wt/vol: +2.21(g) | Date Analyzed: 04/05/2012 20:10

Con. Extract Vol.: 10(mL) | Dilution Factor: 1

Injection Volume: 1(uL) | GC Column: ZB-35 ID: 0.53(mm)

% Moisture: 18.2 | GPC Cleanup:(Y/N) N

Analysis Batch No.: 58319 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
12674-11-2	PCB-1016	ND		280	54
11104-28-2	PCB-1221	ND		280	54
11141-16-5	PCB-1232	ND		280	54
53469-21-9	PCB-1242	ND		280	60
12672-29-6	PCB-1248	ND		280	54
11097-69-1	PCB-1254	ND		280	58
11096-82-5	PCB-1260	ND		280	130

CAS NO.	SURROGATE	%REC	Q	LIMITS
2051-24-3	DCB Decachlorobiphenyl	105		36-182
877-09-8	Tetrachloro-m-xylene	112		24-172

TestAmerica Laboratories
Target Compound Quantitation Report

Data File:	\\Bufchrom\ChromData\HP5890-12\20120405-10755.b\12_163_207.D		
Lims ID:	480-18068-A-2-A	Client ID:	RB-03 (6"-12")
Inject. Date:	05-Apr-2012 20:10:28	Dil. Factor:	1.0000
Sample Type:	Client		
Sample ID:	Name: 480-18068-A-2-A		
Misc. Info.:	Study: 480-0010755-019 Channel B: I/F Serial#, 9205571204		
Operator:	tchrom	Instrument ID:	HP5890-12
Vol. Injected:	1.0000	ALS Bottle#:	0
Lims Batch ID:	58319	Lims Sample ID:	19
Detector 1 :	Ch-A-7A136		
Detector 2 :	Ch-B-7b136		
Method:	\\Bufchrom\ChromData\HP5890-12\20120405-10755.b\hp12_pcb.m		
Last Update:	05-Apr-2012 21:59:27	Calib Date:	23-Oct-2011 18:50:30
Quant Method:	External Standard	Quant By:	Initial Calibration
Last ICal File:	\\Bufchrom\ChromData\HP5890-12\20111023-6917.b\12_143_187.D		
Limit Group:	GC - 8082 PCB ICAL		
Integrator:	Falcon		
Process Host:	CORP-CTX-19		

First Level Reviewer: bescod Date: 06-Apr-2012 08:53:40

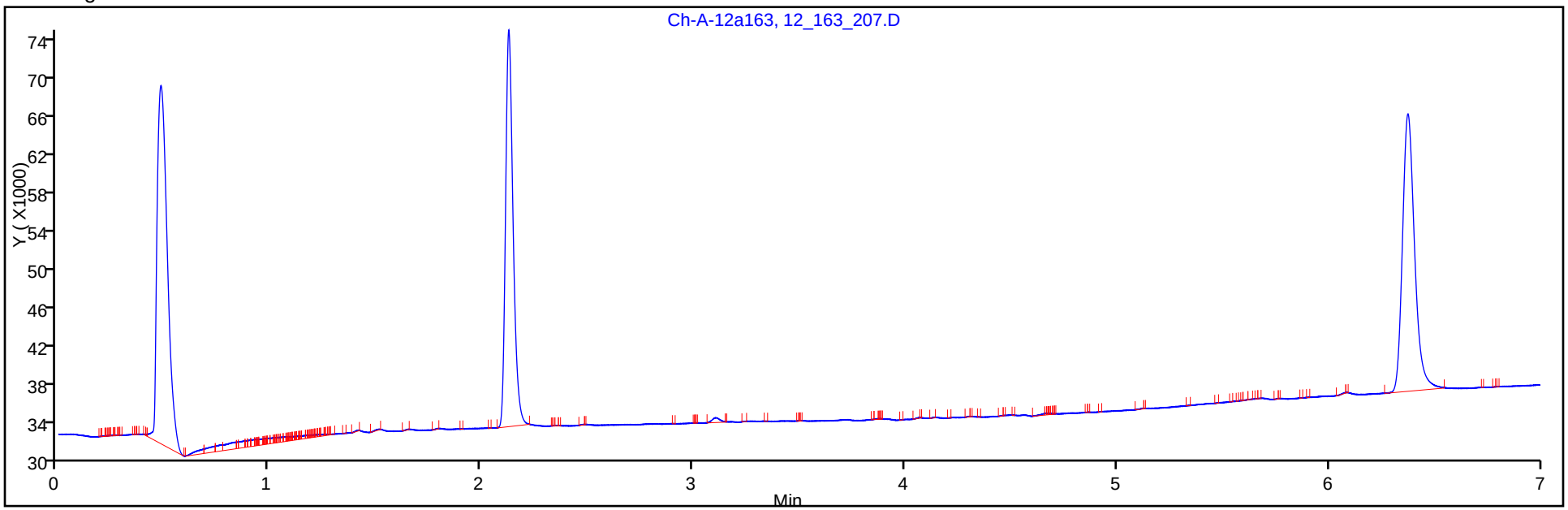
Det	Sig	RT	ADJ RT	DLT RT	Response	On-Col Amt ng/uL	Ratio Range	Ratio	Flags
$ 3 Tetrachloro-m-xylene									
1	1	2.128	2.128	0.000	102268	0.0237			
2	2	1.655	1.655	0.000	123386	0.0224			
						RPD = 5.47			
E 12 DCB Decachlorobiphenyl									
1	1	6.375	6.373	0.002	114769	0.0249			
2	2	5.770	5.771	-0.001	116274	0.0211			
						RPD = 16.18			

Report Date: 06-Apr-2012 08:53:41 Chrom Revision: 2.0 20-Feb-2012 13:27:02

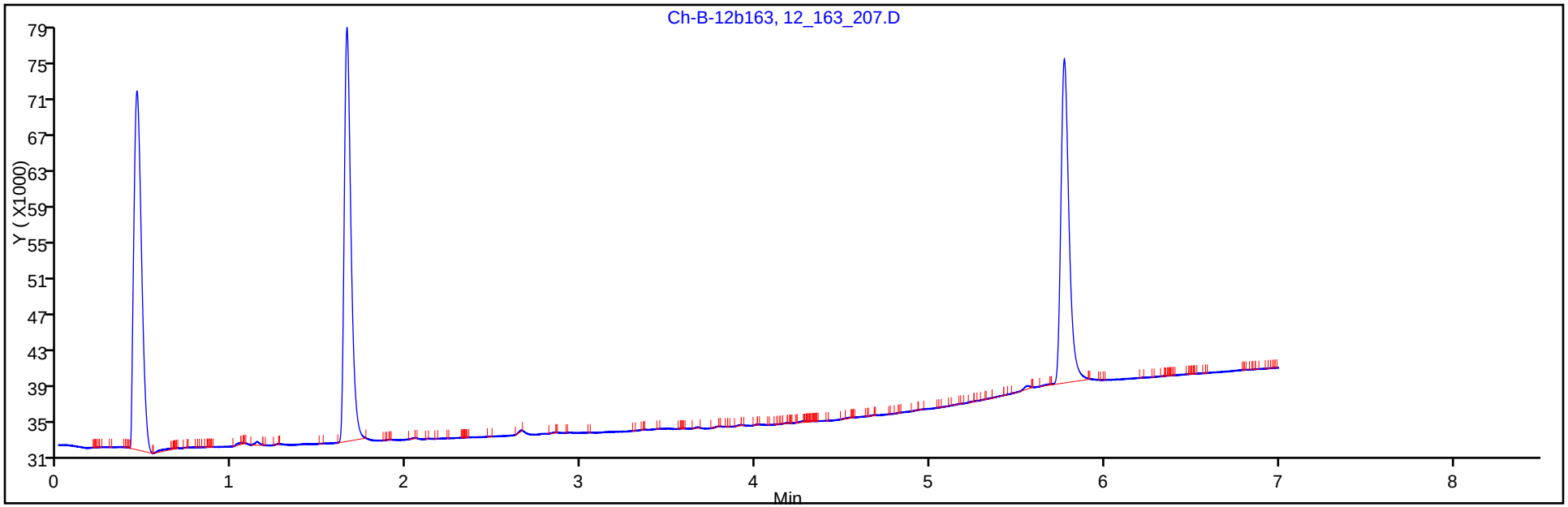
Data File: \\Bufchrom\ChromData\HP5890-12\20120405-10755.b\12_163_207.D

Injection Date:	05-Apr-2012 20:10:28	Limit Group:	GC - 8082 PCB ICAL
Client ID:	RB-03 (6"-12")	Instrument ID:	HP5890-12
Lims Batch ID:	58319	Lims Sample ID:	19
Operator ID:	tchrom	Injection Vol:	1.00 ul

Y Scaling:



Y Scaling:



FORM I
PCBS ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Buffalo Job No.: 480-18068-1

SDG No.:

Client Sample ID: RB-03 (12"-24") Lab Sample ID: 480-18068-3

Matrix: Solid Lab File ID: 12_163_208.D

Analysis Method: 8082 Date Collected: 04/02/2012 12:35

Extraction Method: 3550B Date Extracted: 04/05/2012 09:40

Sample wt/vol: +2.29(g) Date Analyzed: 04/05/2012 20:25

Con. Extract Vol.: 10(mL) Dilution Factor: 1

Injection Volume: 1(uL) GC Column: ZB-5 ID: 0.53(mm)

% Moisture: 22.9 GPC Cleanup:(Y/N) N

Analysis Batch No.: 58319 Units: ug/Kg

CAS NO.	SURROGATE	%REC	Q	LIMITS
2051-24-3	DCB Decachlorobiphenyl	104		36-182
877-09-8	Tetrachloro-m-xylene	108		24-172

TestAmerica Laboratories
Target Compound Quantitation Report

Data File:	\\Bufchrom\ChromData\HP5890-12\20120405-10755.b\12_163_208.D		
Lims ID:	480-18068-C-3-D	Client ID:	RB-03 (12"-24")
Inject. Date:	05-Apr-2012 20:25:12	Dil. Factor:	1.0000
Sample Type:	Client		
Sample ID:	Name: 480-18068-C-3-D		
Misc. Info.:	Study: 480-0010755-020 Channel B: I/F Serial#, 9205571204		
Operator:	tchrom	Instrument ID:	HP5890-12
Vol. Injected:	1.0000	ALS Bottle#:	0
Lims Batch ID:	58319	Lims Sample ID:	20
Detector 1 :	Ch-A-7A136		
Detector 2 :	Ch-B-7b136		
Method:	\\Bufchrom\ChromData\HP5890-12\20120405-10755.b\hp12_pcb.m		
Last Update:	05-Apr-2012 21:59:27	Calib Date:	23-Oct-2011 18:50:30
Quant Method:	External Standard	Quant By:	Initial Calibration
Last ICal File:	\\Bufchrom\ChromData\HP5890-12\20111023-6917.b\12_143_187.D		
Limit Group:	GC - 8082 PCB ICAL		
Integrator:	Falcon		
Process Host:	CORP-CTX-19		

First Level Reviewer: bescod Date: 06-Apr-2012 08:54:00

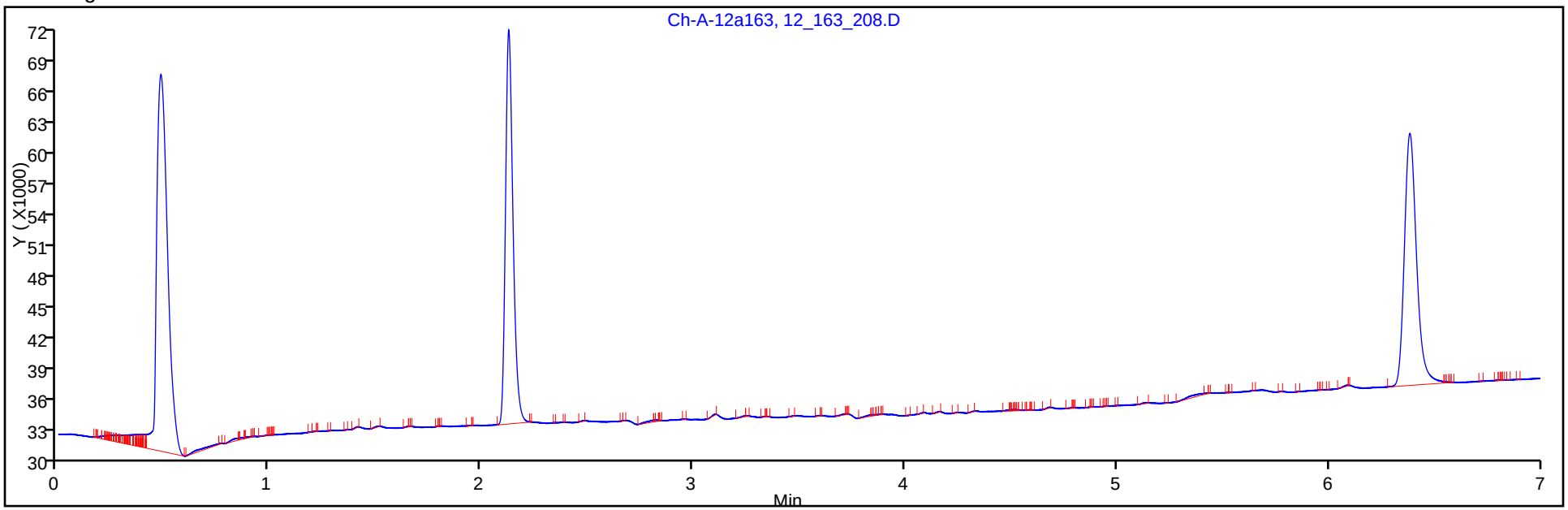
Det	Sig	RT	ADJ RT	DLT RT	Response	On-Col Amt ng/uL	Ratio Range	Ratio	Flags
$ 3 Tetrachloro-m-xylene									
1	1	2.127	2.128	-0.001	92496	0.0216			
2	2	1.655	1.655	0.000	111117	0.0203			
						RPD = 6.01			
E 12 DCB Decachlorobiphenyl									
1	1	6.384	6.373	0.011	95508	0.0207			
2	2	5.778	5.771	0.007	96734	0.0176			
						RPD = 16.21			

Report Date: 06-Apr-2012 08:54:01 Chrom Revision: 2.0 20-Feb-2012 13:27:02

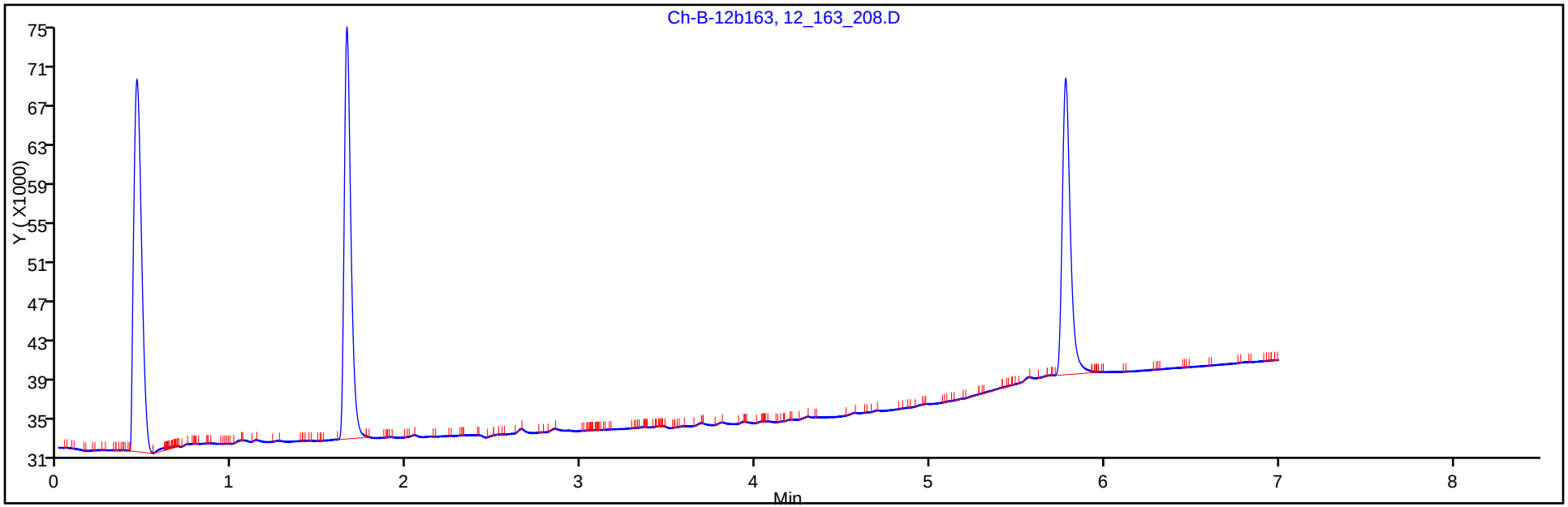
Data File: \\Bufchrom\ChromData\HP5890-12\20120405-10755.b\12_163_208.D

Injection Date:	05-Apr-2012 20:25:12	Limit Group:	GC - 8082 PCB ICAL
Client ID:	RB-03 (12"-24")	Instrument ID:	HP5890-12
Lims Batch ID:	58319	Lims Sample ID:	20
Operator ID:	tchrom	Injection Vol:	1.00 ul

Y Scaling:



Y Scaling:



FORM I
PCBS ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Buffalo | Job No.: 480-18068-1

SDG No.:

Client Sample ID: RB-03 (12"-24") | Lab Sample ID: 480-18068-3

Matrix: Solid | Lab File ID: 12_163_208.D

Analysis Method: 8082 | Date Collected: 04/02/2012 12:35

Extraction Method: 3550B | Date Extracted: 04/05/2012 09:40

Sample wt/vol: +2.29(g) | Date Analyzed: 04/05/2012 20:25

Con. Extract Vol.: 10(mL) | Dilution Factor: 1

Injection Volume: 1(uL) | GC Column: ZB-35 ID: 0.53(mm)

% Moisture: 22.9 | GPC Cleanup:(Y/N) N

Analysis Batch No.: 58319 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
12674-11-2	PCB-1016	ND		280	55
11104-28-2	PCB-1221	ND		280	55
11141-16-5	PCB-1232	ND		280	55
53469-21-9	PCB-1242	ND		280	61
12672-29-6	PCB-1248	ND		280	56
11097-69-1	PCB-1254	ND		280	60
11096-82-5	PCB-1260	ND		280	130

CAS NO.	SURROGATE	%REC	Q	LIMITS
2051-24-3	DCB Decachlorobiphenyl	88		36-182
877-09-8	Tetrachloro-m-xylene	102		24-172

TestAmerica Laboratories
Target Compound Quantitation Report

Data File:	\\Bufchrom\ChromData\HP5890-12\20120405-10755.b\12_163_208.D		
Lims ID:	480-18068-C-3-D	Client ID:	RB-03 (12"-24")
Inject. Date:	05-Apr-2012 20:25:12	Dil. Factor:	1.0000
Sample Type:	Client		
Sample ID:	Name: 480-18068-C-3-D		
Misc. Info.:	Study: 480-0010755-020 Channel B: I/F Serial#, 9205571204		
Operator:	tchrom	Instrument ID:	HP5890-12
Vol. Injected:	1.0000	ALS Bottle#:	0
Lims Batch ID:	58319	Lims Sample ID:	20
Detector 1 :	Ch-A-7A136		
Detector 2 :	Ch-B-7b136		
Method:	\\Bufchrom\ChromData\HP5890-12\20120405-10755.b\hp12_pcb.m		
Last Update:	05-Apr-2012 21:59:27	Calib Date:	23-Oct-2011 18:50:30
Quant Method:	External Standard	Quant By:	Initial Calibration
Last ICal File:	\\Bufchrom\ChromData\HP5890-12\20111023-6917.b\12_143_187.D		
Limit Group:	GC - 8082 PCB ICAL		
Integrator:	Falcon		
Process Host:	CORP-CTX-19		

First Level Reviewer: bescod Date: 06-Apr-2012 08:54:00

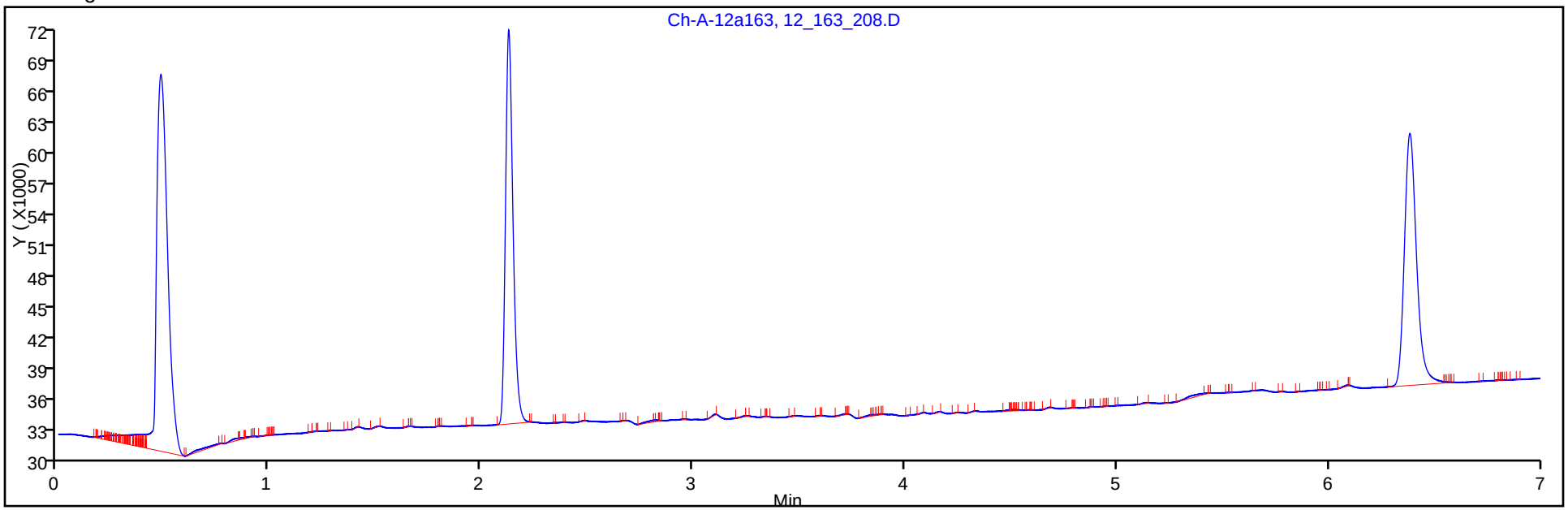
Det	Sig	RT	ADJ RT	DLT RT	Response	On-Col Amt ng/uL	Ratio Range	Ratio	Flags
$ 3 Tetrachloro-m-xylene									
1	1	2.127	2.128	-0.001	92496	0.0216			
2	2	1.655	1.655	0.000	111117	0.0203			
						RPD = 6.01			
E 12 DCB Decachlorobiphenyl									
1	1	6.384	6.373	0.011	95508	0.0207			
2	2	5.778	5.771	0.007	96734	0.0176			
						RPD = 16.21			

Report Date: 06-Apr-2012 08:54:01 Chrom Revision: 2.0 20-Feb-2012 13:27:02

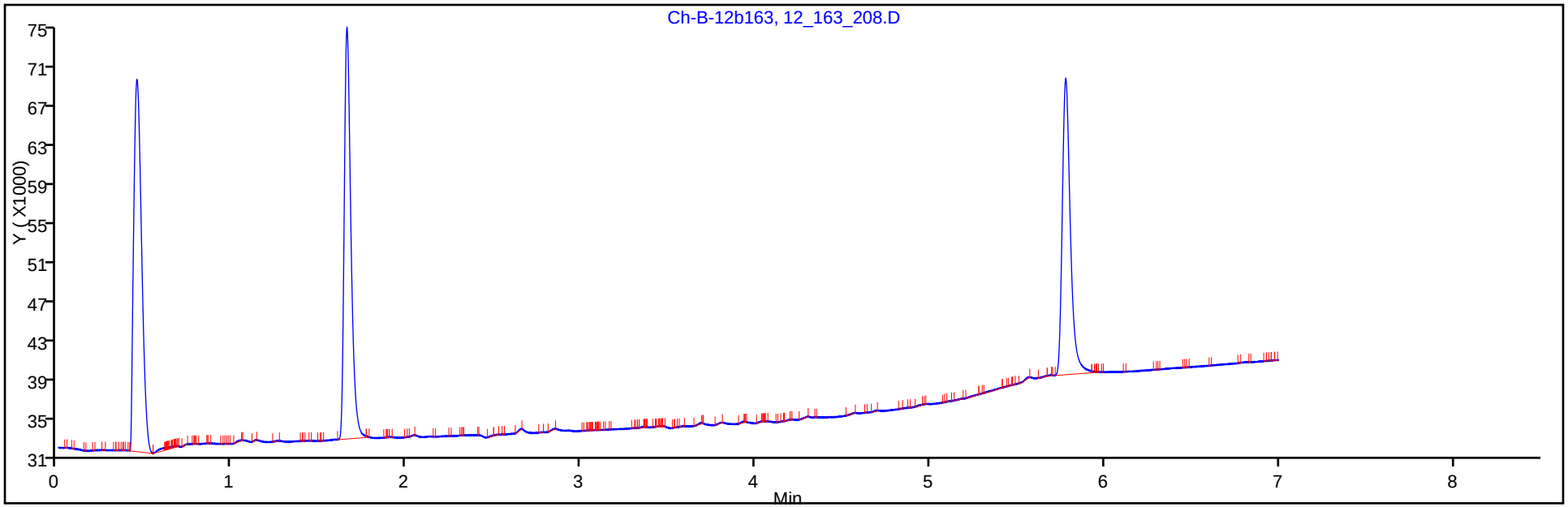
Data File: \\Bufchrom\ChromData\HP5890-12\20120405-10755.b\12_163_208.D

Injection Date:	05-Apr-2012 20:25:12	Limit Group:	GC - 8082 PCB ICAL
Client ID:	RB-03 (12"-24")	Instrument ID:	HP5890-12
Lims Batch ID:	58319	Lims Sample ID:	20
Operator ID:	tchrom	Injection Vol:	1.00 ul

Y Scaling:



Y Scaling:



FORM I
PCBS ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Buffalo Job No.: 480-18068-1

SDG No.:

Client Sample ID: RB-04 (0-6") Lab Sample ID: 480-18068-4

Matrix: Solid Lab File ID: 12_163_209.D

Analysis Method: 8082 Date Collected: 04/02/2012 14:05

Extraction Method: 3550B Date Extracted: 04/05/2012 09:40

Sample wt/vol: +2.25(g) Date Analyzed: 04/05/2012 20:39

Con. Extract Vol.: 10(mL) Dilution Factor: 1

Injection Volume: 1(uL) GC Column: ZB-5 ID: 0.53(mm)

% Moisture: 25.4 GPC Cleanup:(Y/N) N

Analysis Batch No.: 58319 Units: ug/Kg

CAS NO.	SURROGATE	%REC	Q	LIMITS
2051-24-3	DCB Decachlorobiphenyl	123		36-182
877-09-8	Tetrachloro-m-xylene	122		24-172

TestAmerica Laboratories
Target Compound Quantitation Report

Data File:	\\Bufchrom\ChromData\HP5890-12\20120405-10755.b\12_163_209.D		
Lims ID:	480-18068-C-4-B	Client ID:	RB-04 (0-6")
Inject. Date:	05-Apr-2012 20:39:55	Dil. Factor:	1.0000
Sample Type:	Client		
Sample ID:	Name: 480-18068-C-4-B		
Misc. Info.:	Study: 480-0010755-021 Channel B: I/F Serial#, 9205571204		
Operator:	tchrom	Instrument ID:	HP5890-12
Vol. Injected:	1.0000	ALS Bottle#:	0
Lims Batch ID:	58319	Lims Sample ID:	21
Detector 1 :	Ch-A-7A136		
Detector 2 :	Ch-B-7b136		
Method:	\\Bufchrom\ChromData\HP5890-12\20120405-10755.b\hp12_pcb.m		
Last Update:	05-Apr-2012 21:59:27	Calib Date:	23-Oct-2011 18:50:30
Quant Method:	External Standard	Quant By:	Initial Calibration
Last ICal File:	\\Bufchrom\ChromData\HP5890-12\20111023-6917.b\12_143_187.D		
Limit Group:	GC - 8082 PCB ICAL		
Integrator:	Falcon		
Process Host:	CORP-CTX-19		

First Level Reviewer: bescod Date: 06-Apr-2012 08:54:16

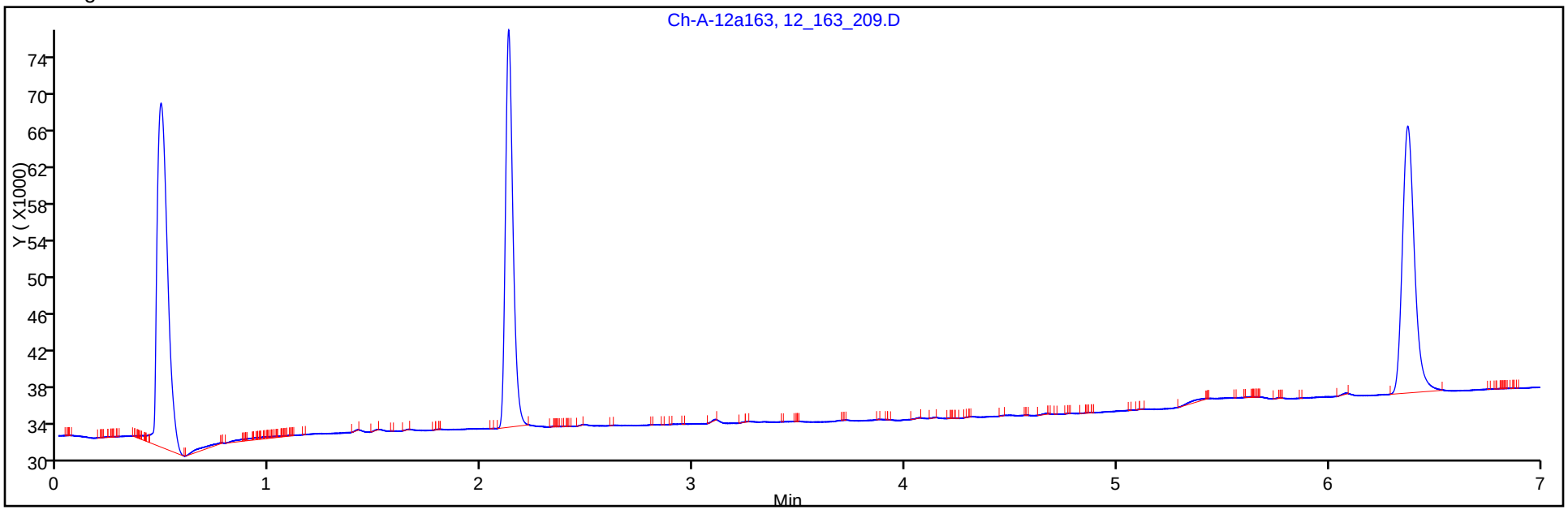
Det	Sig	RT	ADJ RT	DLT RT	Response	On-Col Amt ng/uL	Ratio Range	Ratio	Flags
$ 3 Tetrachloro-m-xylene									
1	1	2.127	2.128	-0.001	105268	0.0244			
2	2	1.655	1.655	0.000	125891	0.0229			
						RPD = 6.28			
E 12 DCB Decachlorobiphenyl									
1	1	6.374	6.373	0.001	113715	0.0246			
2	2	5.769	5.771	-0.002	114859	0.0209			
						RPD = 16.48			

Report Date: 06-Apr-2012 08:54:16 Chrom Revision: 2.0 20-Feb-2012 13:27:02

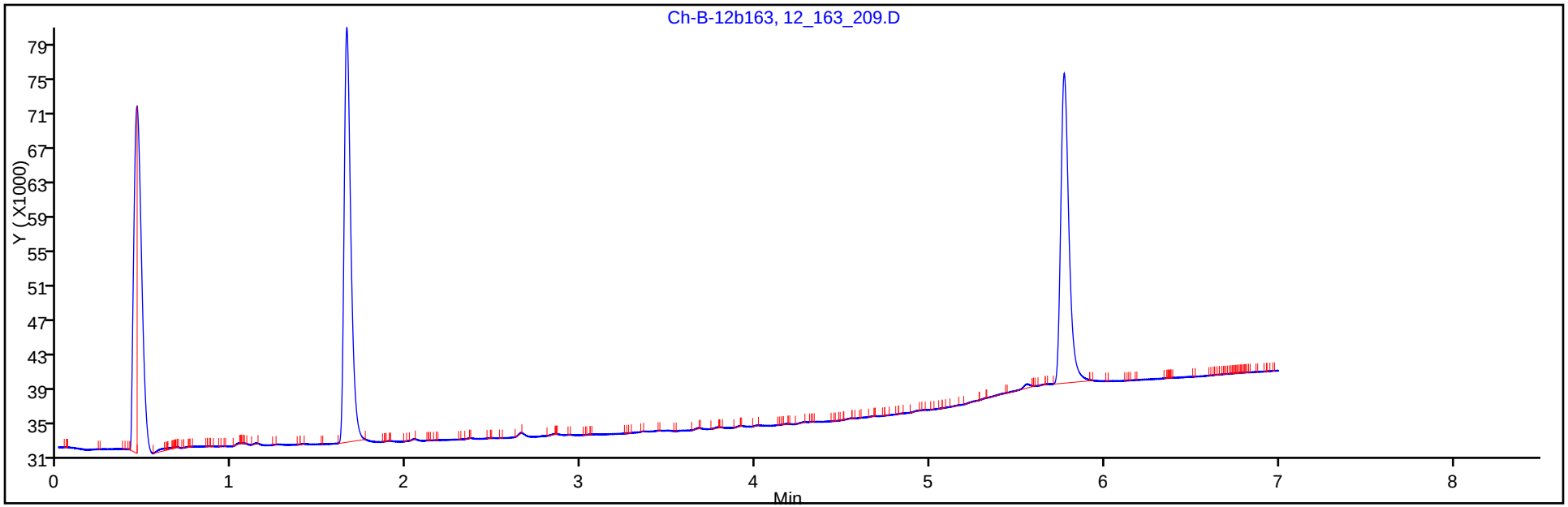
Data File: \\Bufchrom\ChromData\HP5890-12\20120405-10755.b\12_163_209.D

Injection Date:	05-Apr-2012 20:39:55	Limit Group:	GC - 8082 PCB ICAL
Client ID:	RB-04 (0-6")	Instrument ID:	HP5890-12
Lims Batch ID:	58319	Lims Sample ID:	21
Operator ID:	tchrom	Injection Vol:	1.00 ul

Y Scaling:



Y Scaling:



FORM I
PCBS ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Buffalo | Job No.: 480-18068-1

SDG No.:

Client Sample ID: RB-04 (0-6") | Lab Sample ID: 480-18068-4

Matrix: Solid | Lab File ID: 12_163_209.D

Analysis Method: 8082 | Date Collected: 04/02/2012 14:05

Extraction Method: 3550B | Date Extracted: 04/05/2012 09:40

Sample wt/vol: +2.25(g) | Date Analyzed: 04/05/2012 20:39

Con. Extract Vol.: 10(mL) | Dilution Factor: 1

Injection Volume: 1(uL) | GC Column: ZB-35 ID: 0.53(mm)

% Moisture: 25.4 | GPC Cleanup:(Y/N) N

Analysis Batch No.: 58319 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
12674-11-2	PCB-1016	ND		300	58
11104-28-2	PCB-1221	ND		300	58
11141-16-5	PCB-1232	ND		300	58
53469-21-9	PCB-1242	ND		300	65
12672-29-6	PCB-1248	ND		300	58
11097-69-1	PCB-1254	ND		300	63
11096-82-5	PCB-1260	ND		300	140

CAS NO.	SURROGATE	%REC	Q	LIMITS
2051-24-3	DCB Decachlorobiphenyl	105		36-182
877-09-8	Tetrachloro-m-xylene	115		24-172

TestAmerica Laboratories
Target Compound Quantitation Report

Data File:	\\Bufchrom\ChromData\HP5890-12\20120405-10755.b\12_163_209.D		
Lims ID:	480-18068-C-4-B	Client ID:	RB-04 (0-6")
Inject. Date:	05-Apr-2012 20:39:55	Dil. Factor:	1.0000
Sample Type:	Client		
Sample ID:	Name: 480-18068-C-4-B		
Misc. Info.:	Study: 480-0010755-021 Channel B: I/F Serial#, 9205571204		
Operator:	tchrom	Instrument ID:	HP5890-12
Vol. Injected:	1.0000	ALS Bottle#:	0
Lims Batch ID:	58319	Lims Sample ID:	21
Detector 1 :	Ch-A-7A136		
Detector 2 :	Ch-B-7b136		
Method:	\\Bufchrom\ChromData\HP5890-12\20120405-10755.b\hp12_pcb.m		
Last Update:	05-Apr-2012 21:59:27	Calib Date:	23-Oct-2011 18:50:30
Quant Method:	External Standard	Quant By:	Initial Calibration
Last ICal File:	\\Bufchrom\ChromData\HP5890-12\20111023-6917.b\12_143_187.D		
Limit Group:	GC - 8082 PCB ICAL		
Integrator:	Falcon		
Process Host:	CORP-CTX-19		

First Level Reviewer: bescod Date: 06-Apr-2012 08:54:16

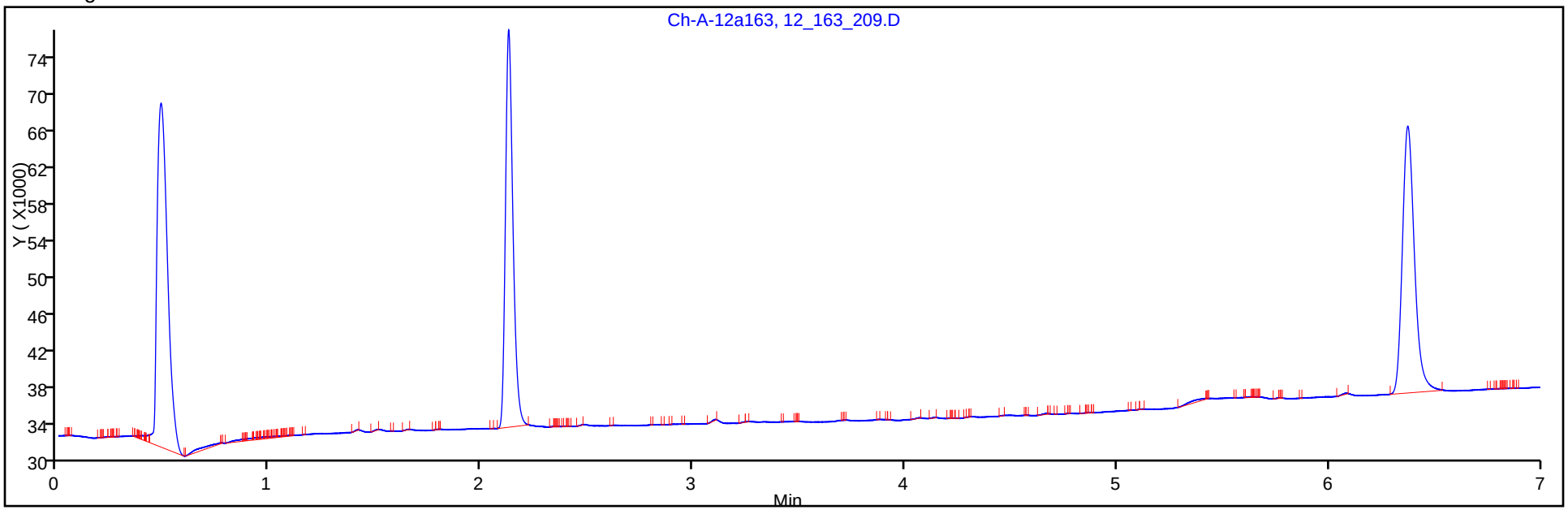
Det	Sig	RT	ADJ RT	DLT RT	Response	On-Col Amt ng/uL	Ratio Range	Ratio	Flags
$ 3 Tetrachloro-m-xylene									
1	1	2.127	2.128	-0.001	105268	0.0244			
2	2	1.655	1.655	0.000	125891	0.0229			
						RPD = 6.28			
E 12 DCB Decachlorobiphenyl									
1	1	6.374	6.373	0.001	113715	0.0246			
2	2	5.769	5.771	-0.002	114859	0.0209			
						RPD = 16.48			

Report Date: 06-Apr-2012 08:54:16 Chrom Revision: 2.0 20-Feb-2012 13:27:02

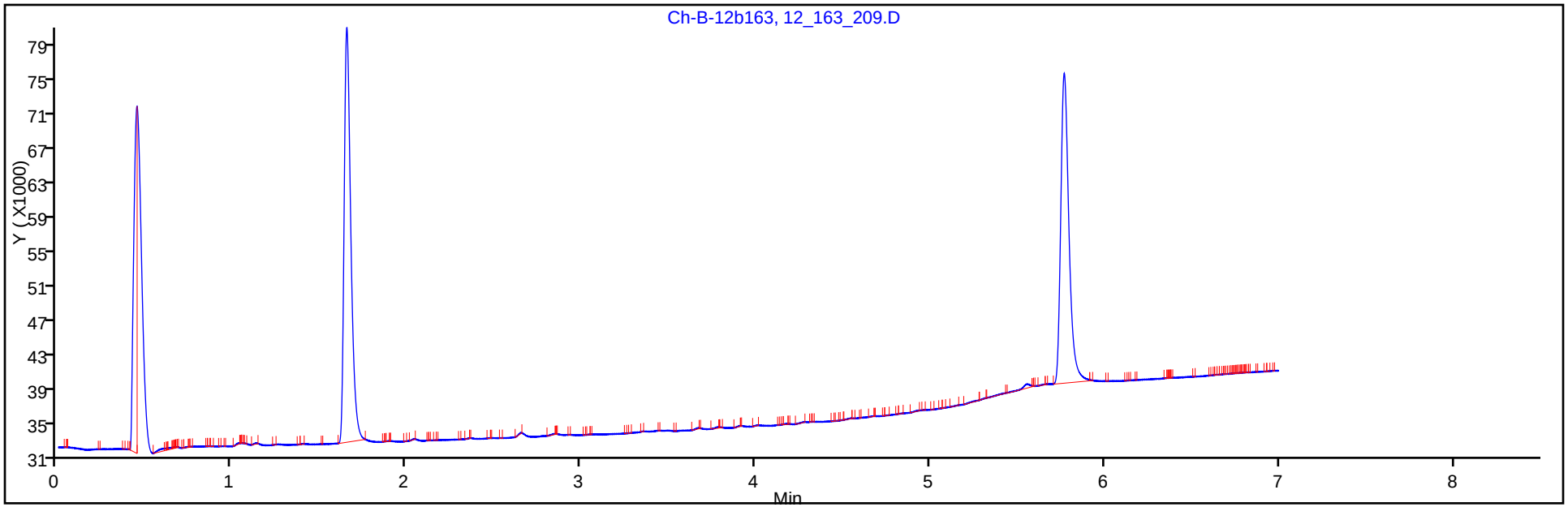
Data File: \\Bufchrom\ChromData\HP5890-12\20120405-10755.b\12_163_209.D

Injection Date:	05-Apr-2012 20:39:55	Limit Group:	GC - 8082 PCB ICAL
Client ID:	RB-04 (0-6")	Instrument ID:	HP5890-12
Lims Batch ID:	58319	Lims Sample ID:	21
Operator ID:	tchrom	Injection Vol:	1.00 ul

Y Scaling:



Y Scaling:



FORM I
PCBS ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Buffalo Job No.: 480-18068-1

SDG No.:

Client Sample ID: RB-04 (6"-12" Lab Sample ID: 480-18068-5

Matrix: Solid Lab File ID: 12_163_210.D

Analysis Method: 8082 Date Collected: 04/02/2012 14:22

Extraction Method: 3550B Date Extracted: 04/05/2012 09:40

Sample wt/vol: +2.27(g) Date Analyzed: 04/05/2012 20:54

Con. Extract Vol.: 10(mL) Dilution Factor: 1

Injection Volume: 1(uL) GC Column: ZB-5 ID: 0.53(mm)

% Moisture: 25.9 GPC Cleanup:(Y/N) N

Analysis Batch No.: 58319 Units: ug/Kg

CAS NO.	SURROGATE	%REC	Q	LIMITS
2051-24-3	DCB Decachlorobiphenyl	106		36-182
877-09-8	Tetrachloro-m-xylene	103		24-172

TestAmerica Laboratories
Target Compound Quantitation Report

Data File:	\\Bufchrom\ChromData\HP5890-12\20120405-10755.b\12_163_210.D		
Lims ID:	480-18068-A-5-A	Client ID:	RB-04 (6"-12"
Inject. Date:	05-Apr-2012 20:54:42	Dil. Factor:	1.0000
Sample Type:	Client		
Sample ID:	Name: 480-18068-A-5-A		
Misc. Info.:	Study: 480-0010755-022 Channel B: I/F Serial#, 9205571204		
Operator:	tchrom	Instrument ID:	HP5890-12
Vol. Injected:	1.0000	ALS Bottle#:	0
Lims Batch ID:	58319	Lims Sample ID:	22
Detector 1 :	Ch-A-7A136		
Detector 2 :	Ch-B-7b136		
Method:	\\Bufchrom\ChromData\HP5890-12\20120405-10755.b\hp12_pcb.m		
Last Update:	05-Apr-2012 21:59:27	Calib Date:	23-Oct-2011 18:50:30
Quant Method:	External Standard	Quant By:	Initial Calibration
Last ICal File:	\\Bufchrom\ChromData\HP5890-12\20111023-6917.b\12_143_187.D		
Limit Group:	GC - 8082 PCB ICAL		
Integrator:	Falcon		
Process Host:	CORP-CTX-19		

First Level Reviewer: bescod Date: 06-Apr-2012 08:54:37

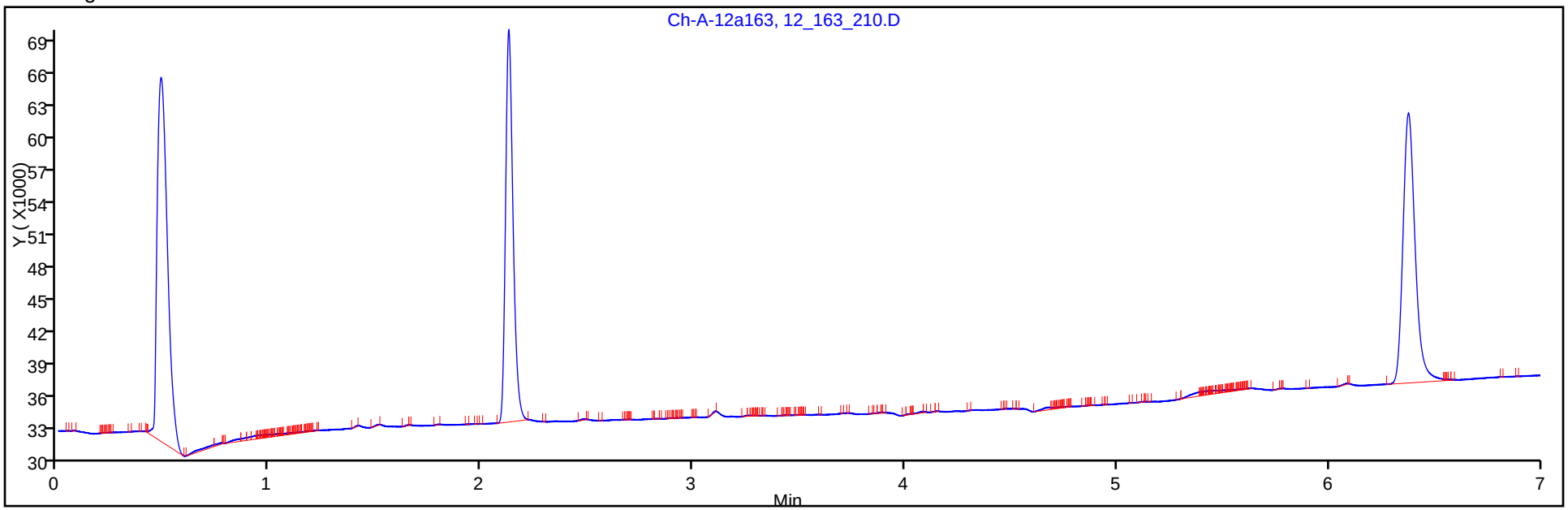
Det	Sig	RT	ADJ RT	DLT RT	Response	On-Col Amt ng/uL	Ratio Range	Ratio	Flags
$ 3 Tetrachloro-m-xylene									
1	1	2.128	2.128	0.000	87877	0.0206			
2	2	1.656	1.655	0.001	104678	0.0192			
						RPD = 6.87			
E 12 DCB Decachlorobiphenyl									
1	1	6.377	6.373	0.004	97976	0.0212			
2	2	5.774	5.771	0.003	98067	0.0178			
						RPD = 17.38			

Report Date: 06-Apr-2012 08:54:37 Chrom Revision: 2.0 20-Feb-2012 13:27:02

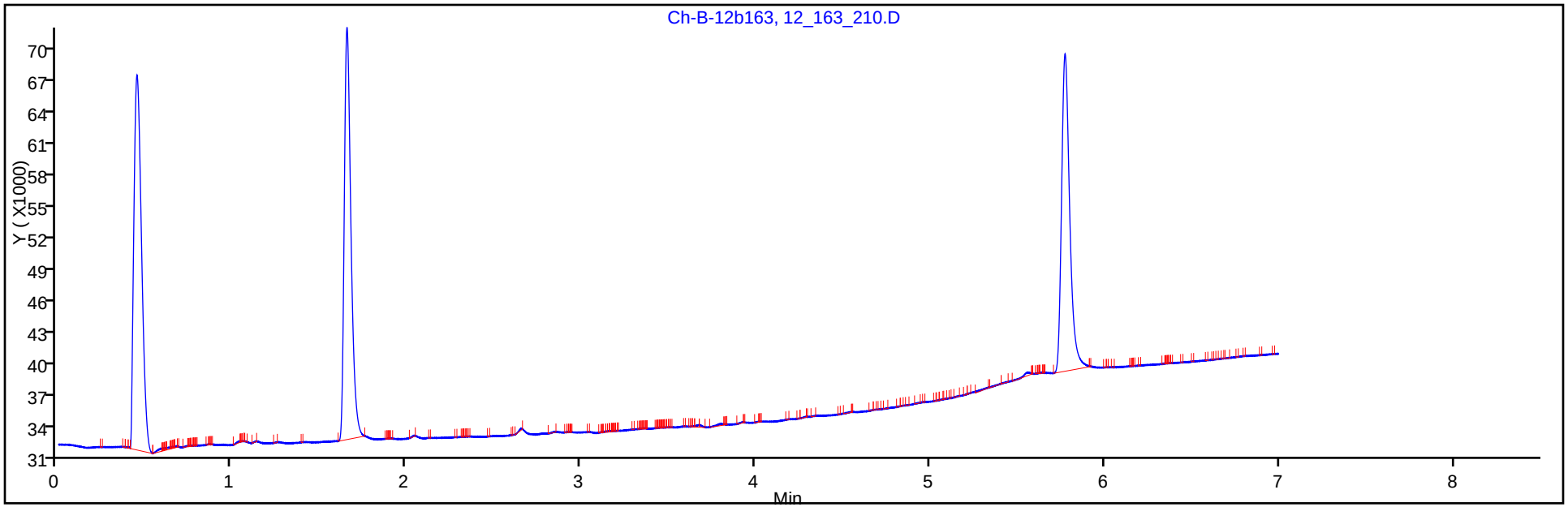
Data File: \\Bufchrom\ChromData\HP5890-12\20120405-10755.b\12_163_210.D

Injection Date:	05-Apr-2012 20:54:42	Limit Group:	GC - 8082 PCB ICAL
Client ID:	RB-04 (6"-12"	Instrument ID:	HP5890-12
Lims Batch ID:	58319	Lims Sample ID:	22
Operator ID:	tchrom	Injection Vol:	1.00 ul

Y Scaling:



Y Scaling:



FORM I
PCBS ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Buffalo | Job No.: 480-18068-1

SDG No.:

Client Sample ID: RB-04 (6"-12" | Lab Sample ID: 480-18068-5

Matrix: Solid | Lab File ID: 12_163_210.D

Analysis Method: 8082 | Date Collected: 04/02/2012 14:22

Extraction Method: 3550B | Date Extracted: 04/05/2012 09:40

Sample wt/vol: +2.27(g) | Date Analyzed: 04/05/2012 20:54

Con. Extract Vol.: 10(mL) | Dilution Factor: 1

Injection Volume: 1(uL) | GC Column: ZB-35 ID: 0.53(mm)

% Moisture: 25.9 | GPC Cleanup:(Y/N) N

Analysis Batch No.: 58319 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
12674-11-2	PCB-1016	ND		300	58
11104-28-2	PCB-1221	ND		300	58
11141-16-5	PCB-1232	ND		300	58
53469-21-9	PCB-1242	ND		300	65
12672-29-6	PCB-1248	ND		300	58
11097-69-1	PCB-1254	ND		300	63
11096-82-5	PCB-1260	ND		300	140

CAS NO.	SURROGATE	%REC	Q	LIMITS
2051-24-3	DCB Decachlorobiphenyl	89		36-182
877-09-8	Tetrachloro-m-xylene	96		24-172

TestAmerica Laboratories
Target Compound Quantitation Report

Data File:	\\Bufchrom\ChromData\HP5890-12\20120405-10755.b\12_163_210.D		
Lims ID:	480-18068-A-5-A	Client ID:	RB-04 (6"-12"
Inject. Date:	05-Apr-2012 20:54:42	Dil. Factor:	1.0000
Sample Type:	Client		
Sample ID:	Name: 480-18068-A-5-A		
Misc. Info.:	Study: 480-0010755-022 Channel B: I/F Serial#, 9205571204		
Operator:	tchrom	Instrument ID:	HP5890-12
Vol. Injected:	1.0000	ALS Bottle#:	0
Lims Batch ID:	58319	Lims Sample ID:	22
Detector 1 :	Ch-A-7A136		
Detector 2 :	Ch-B-7b136		
Method:	\\Bufchrom\ChromData\HP5890-12\20120405-10755.b\hp12_pcb.m		
Last Update:	05-Apr-2012 21:59:27	Calib Date:	23-Oct-2011 18:50:30
Quant Method:	External Standard	Quant By:	Initial Calibration
Last ICal File:	\\Bufchrom\ChromData\HP5890-12\20111023-6917.b\12_143_187.D		
Limit Group:	GC - 8082 PCB ICAL		
Integrator:	Falcon		
Process Host:	CORP-CTX-19		

First Level Reviewer: bescod Date: 06-Apr-2012 08:54:37

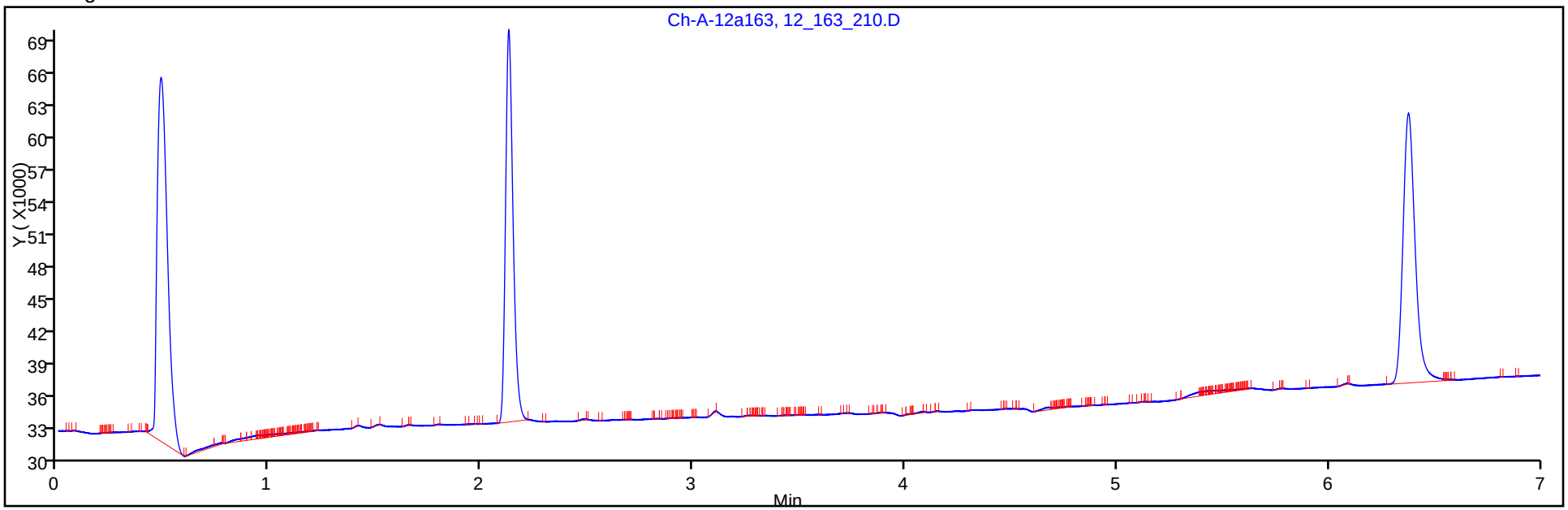
Det	Sig	RT	ADJ RT	DLT RT	Response	On-Col Amt ng/uL	Ratio Range	Ratio	Flags
$ 3 Tetrachloro-m-xylene									
1	1	2.128	2.128	0.000	87877	0.0206			
2	2	1.656	1.655	0.001	104678	0.0192			
						RPD = 6.87			
E 12 DCB Decachlorobiphenyl									
1	1	6.377	6.373	0.004	97976	0.0212			
2	2	5.774	5.771	0.003	98067	0.0178			
						RPD = 17.38			

Report Date: 06-Apr-2012 08:54:37 Chrom Revision: 2.0 20-Feb-2012 13:27:02

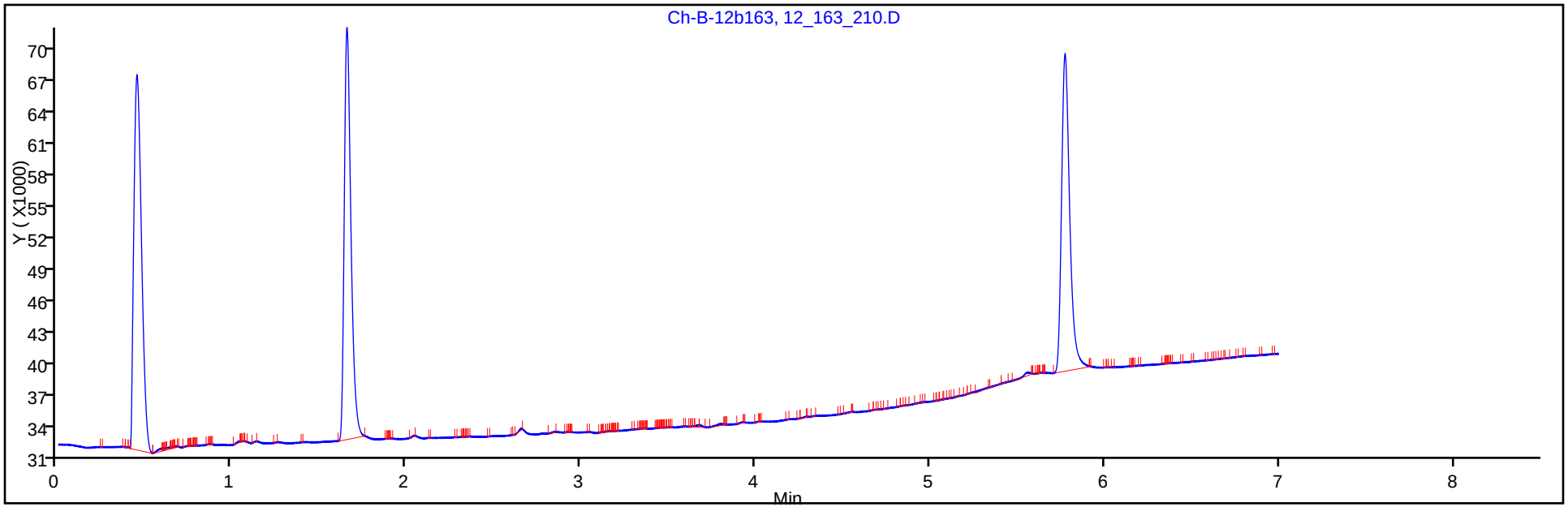
Data File: \\Bufchrom\ChromData\HP5890-12\20120405-10755.b\12_163_210.D

Injection Date:	05-Apr-2012 20:54:42	Limit Group:	GC - 8082 PCB ICAL
Client ID:	RB-04 (6"-12"	Instrument ID:	HP5890-12
Lims Batch ID:	58319	Lims Sample ID:	22
Operator ID:	tchrom	Injection Vol:	1.00 ul

Y Scaling:



Y Scaling:



FORM I
PCBS ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Buffalo Job No.: 480-18068-1

SDG No.:

Client Sample ID: RB-04 (12"-24") Lab Sample ID: 480-18068-6

Matrix: Solid Lab File ID: 12_163_211.D

Analysis Method: 8082 Date Collected: 04/02/2012 14:35

Extraction Method: 3550B Date Extracted: 04/05/2012 09:40

Sample wt/vol: +2.73(g) Date Analyzed: 04/05/2012 21:09

Con. Extract Vol.: 10(mL) Dilution Factor: 1

Injection Volume: 1(uL) GC Column: ZB-5 ID: 0.53(mm)

% Moisture: 26.2 GPC Cleanup:(Y/N) N

Analysis Batch No.: 58319 Units: ug/Kg

CAS NO.	SURROGATE	%REC	Q	LIMITS
2051-24-3	DCB Decachlorobiphenyl	105		36-182
877-09-8	Tetrachloro-m-xylene	104		24-172

TestAmerica Laboratories
Target Compound Quantitation Report

Data File:	\\Bufchrom\ChromData\HP5890-12\20120405-10755.b\12_163_211.D		
Lims ID:	480-18068-B-6-A	Client ID:	RB-04 (12"-24")
Inject. Date:	05-Apr-2012 21:09:26	Dil. Factor:	1.0000
Sample Type:	Client		
Sample ID:	Name: 480-18068-B-6-A		
Misc. Info.:	Study: 480-0010755-023 Channel B: I/F Serial#, 9205571204		
Operator:	tchrom	Instrument ID:	HP5890-12
Vol. Injected:	1.0000	ALS Bottle#:	0
Lims Batch ID:	58319	Lims Sample ID:	23
Detector 1 :	Ch-A-7A136		
Detector 2 :	Ch-B-7b136		
Method:	\\Bufchrom\ChromData\HP5890-12\20120405-10755.b\hp12_pcb.m		
Last Update:	05-Apr-2012 21:59:27	Calib Date:	23-Oct-2011 18:50:30
Quant Method:	External Standard	Quant By:	Initial Calibration
Last ICal File:	\\Bufchrom\ChromData\HP5890-12\20111023-6917.b\12_143_187.D		
Limit Group:	GC - 8082 PCB ICAL		
Integrator:	Falcon		
Process Host:	CORP-CTX-19		

First Level Reviewer: bescod Date: 06-Apr-2012 08:55:08

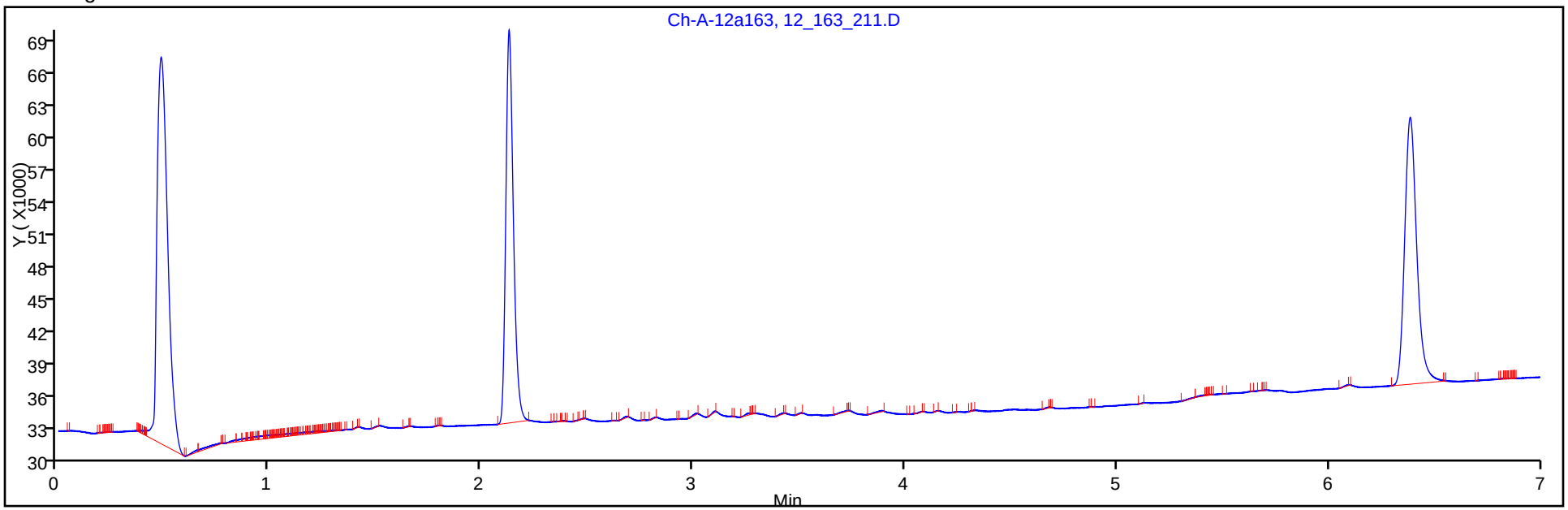
Det	Sig	RT	ADJ RT	DLT RT	Response	On-Col Amt ng/uL	Ratio Range	Ratio	Flags
$ 3 Tetrachloro-m-xylene									
1	1	2.129	2.128	0.001	89462	0.0209			
2	2	1.657	1.655	0.002	109144	0.0200			
						RPD = 4.58			
E 12 DCB Decachlorobiphenyl									
1	1	6.386	6.373	0.013	96739	0.0210			
2	2	5.779	5.771	0.008	97781	0.0178			
						RPD = 16.41			

Report Date: 06-Apr-2012 08:55:08 Chrom Revision: 2.0 20-Feb-2012 13:27:02

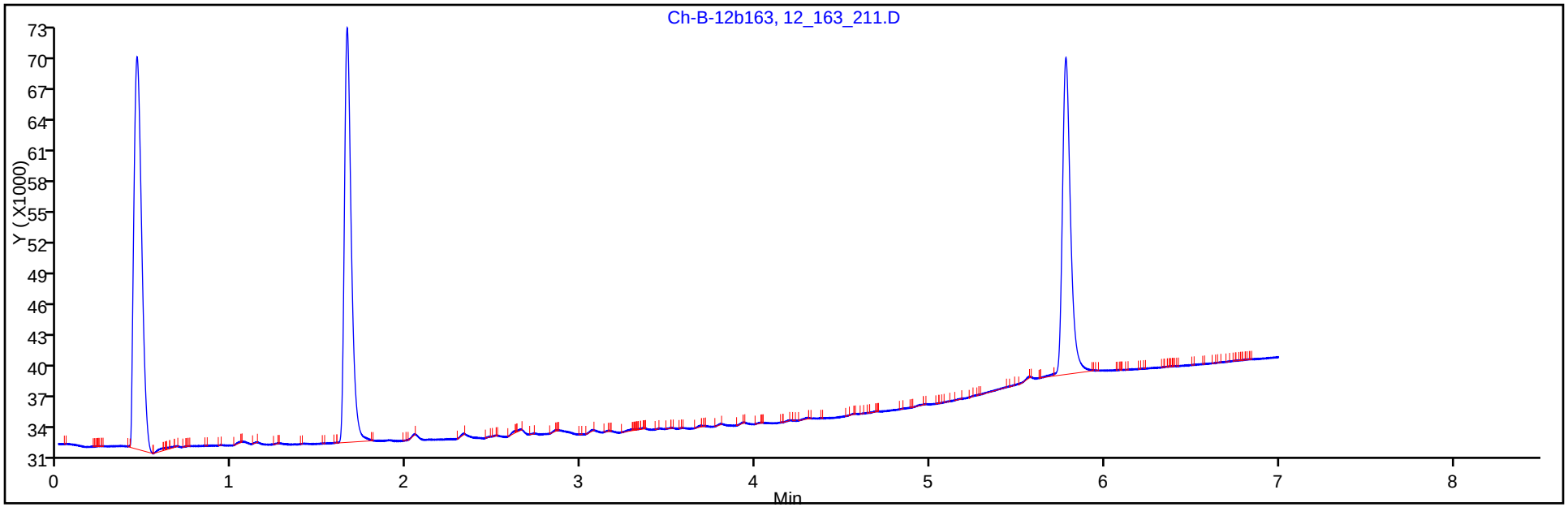
Data File: \\Bufchrom\ChromData\HP5890-12\20120405-10755.b\12_163_211.D

Injection Date:	05-Apr-2012 21:09:26	Limit Group:	GC - 8082 PCB ICAL
Client ID:	RB-04 (12"-24")	Instrument ID:	HP5890-12
Lims Batch ID:	58319	Lims Sample ID:	23
Operator ID:	tchrom	Injection Vol:	1.00 ul

Y Scaling:



Y Scaling:



FORM I
PCBS ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Buffalo | Job No.: 480-18068-1

SDG No.:

Client Sample ID: RB-04 (12"-24") | Lab Sample ID: 480-18068-6

Matrix: Solid | Lab File ID: 12_163_211.D

Analysis Method: 8082 | Date Collected: 04/02/2012 14:35

Extraction Method: 3550B | Date Extracted: 04/05/2012 09:40

Sample wt/vol: +2.73(g) | Date Analyzed: 04/05/2012 21:09

Con. Extract Vol.: 10(mL) | Dilution Factor: 1

Injection Volume: 1(uL) | GC Column: ZB-35 ID: 0.53(mm)

% Moisture: 26.2 | GPC Cleanup:(Y/N) N

Analysis Batch No.: 58319 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
12674-11-2	PCB-1016	ND		250	49
11104-28-2	PCB-1221	ND		250	49
11141-16-5	PCB-1232	ND		250	49
53469-21-9	PCB-1242	ND		250	54
12672-29-6	PCB-1248	ND		250	49
11097-69-1	PCB-1254	ND		250	52
11096-82-5	PCB-1260	ND		250	120

CAS NO.	SURROGATE	%REC	Q	LIMITS
2051-24-3	DCB Decachlorobiphenyl	89		36-182
877-09-8	Tetrachloro-m-xylene	100		24-172

TestAmerica Laboratories
Target Compound Quantitation Report

Data File:	\\Bufchrom\ChromData\HP5890-12\20120405-10755.b\12_163_211.D		
Lims ID:	480-18068-B-6-A	Client ID:	RB-04 (12"-24")
Inject. Date:	05-Apr-2012 21:09:26	Dil. Factor:	1.0000
Sample Type:	Client		
Sample ID:	Name: 480-18068-B-6-A		
Misc. Info.:	Study: 480-0010755-023 Channel B: I/F Serial#, 9205571204		
Operator:	tchrom	Instrument ID:	HP5890-12
Vol. Injected:	1.0000	ALS Bottle#:	0
Lims Batch ID:	58319	Lims Sample ID:	23
Detector 1 :	Ch-A-7A136		
Detector 2 :	Ch-B-7b136		
Method:	\\Bufchrom\ChromData\HP5890-12\20120405-10755.b\hp12_pcb.m		
Last Update:	05-Apr-2012 21:59:27	Calib Date:	23-Oct-2011 18:50:30
Quant Method:	External Standard	Quant By:	Initial Calibration
Last ICal File:	\\Bufchrom\ChromData\HP5890-12\20111023-6917.b\12_143_187.D		
Limit Group:	GC - 8082 PCB ICAL		
Integrator:	Falcon		
Process Host:	CORP-CTX-19		

First Level Reviewer: bescod Date: 06-Apr-2012 08:55:08

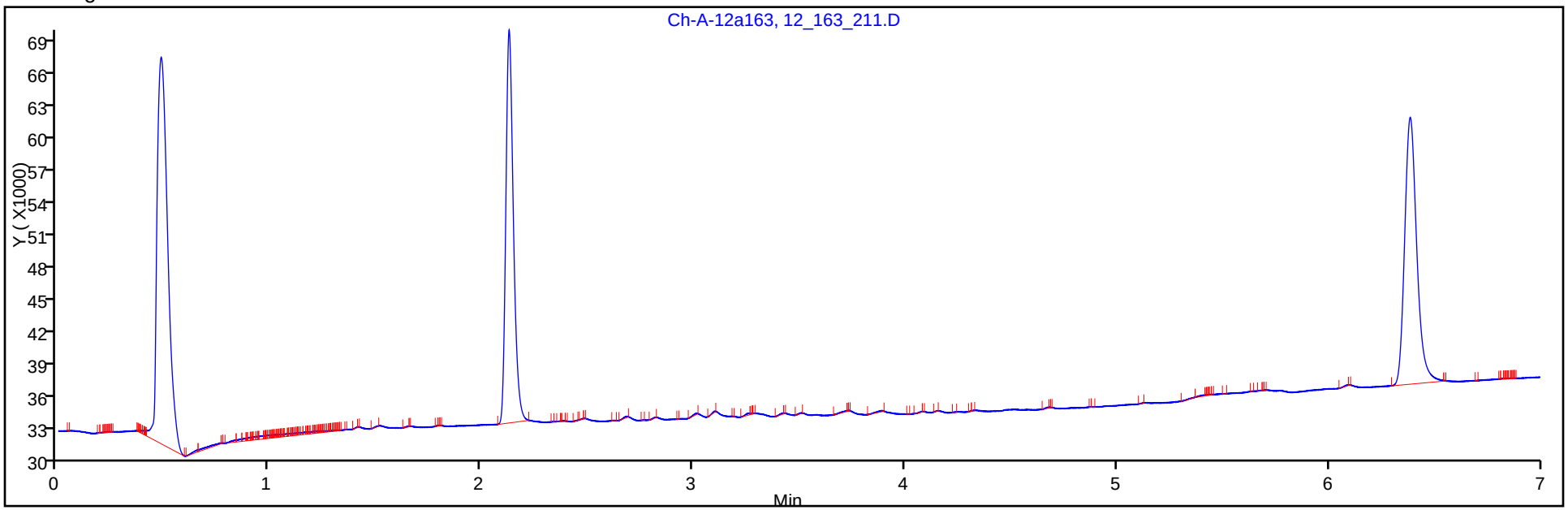
Det	Sig	RT	ADJ RT	DLT RT	Response	On-Col Amt ng/uL	Ratio Range	Ratio	Flags
$ 3 Tetrachloro-m-xylene									
1	1	2.129	2.128	0.001	89462	0.0209			
2	2	1.657	1.655	0.002	109144	0.0200			
						RPD = 4.58			
E 12 DCB Decachlorobiphenyl									
1	1	6.386	6.373	0.013	96739	0.0210			
2	2	5.779	5.771	0.008	97781	0.0178			
						RPD = 16.41			

Report Date: 06-Apr-2012 08:55:08 Chrom Revision: 2.0 20-Feb-2012 13:27:02

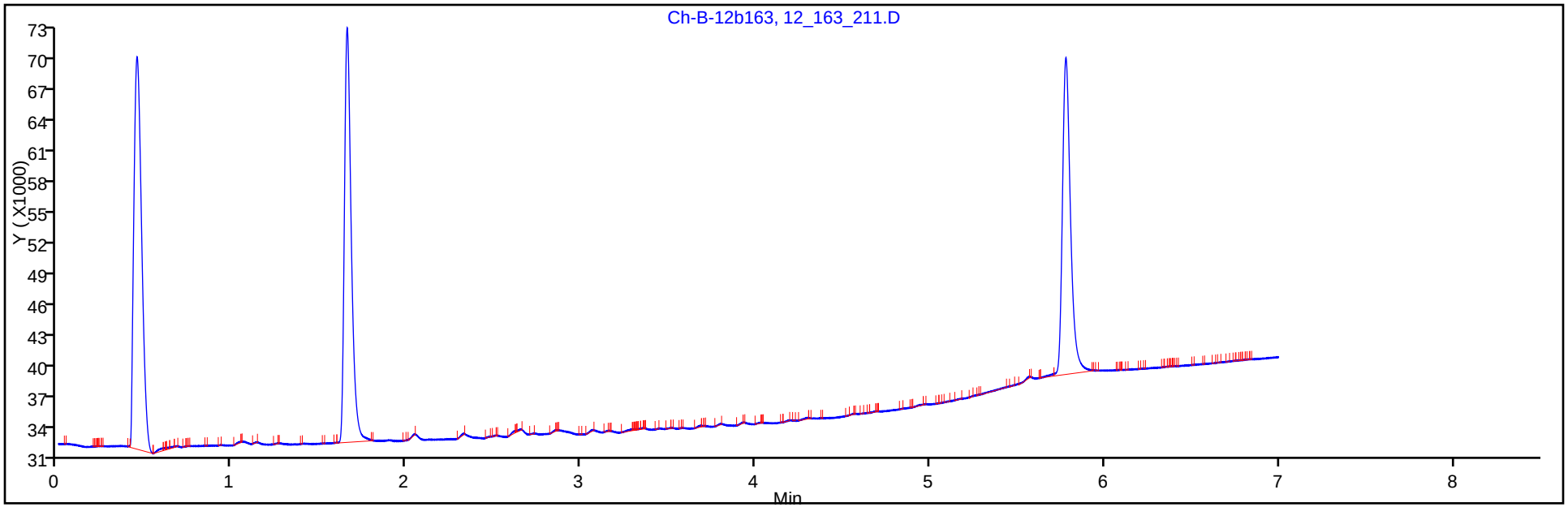
Data File: \\Bufchrom\ChromData\HP5890-12\20120405-10755.b\12_163_211.D

Injection Date:	05-Apr-2012 21:09:26	Limit Group:	GC - 8082 PCB ICAL
Client ID:	RB-04 (12"-24")	Instrument ID:	HP5890-12
Lims Batch ID:	58319	Lims Sample ID:	23
Operator ID:	tchrom	Injection Vol:	1.00 ul

Y Scaling:



Y Scaling:



FORM I
PCBS ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Buffalo Job No.: 480-18068-1

SDG No.:

Client Sample ID: RB-05 (0-6") Lab Sample ID: 480-18068-7

Matrix: Solid Lab File ID: 12_163_212.D

Analysis Method: 8082 Date Collected: 04/02/2012 14:55

Extraction Method: 3550B Date Extracted: 04/05/2012 09:40

Sample wt/vol: +2.28(g) Date Analyzed: 04/05/2012 21:24

Con. Extract Vol.: 10(mL) Dilution Factor: 1

Injection Volume: 1(uL) GC Column: ZB-5 ID: 0.53(mm)

% Moisture: 21.7 GPC Cleanup:(Y/N) N

Analysis Batch No.: 58319 Units: ug/Kg

CAS NO.	SURROGATE	%REC	Q	LIMITS
2051-24-3	DCB Decachlorobiphenyl	125		36-182
877-09-8	Tetrachloro-m-xylene	123		24-172

TestAmerica Laboratories
Target Compound Quantitation Report

Data File:	\\Bufchrom\ChromData\HP5890-12\20120405-10755.b\12_163_212.D		
Lims ID:	480-18068-B-7-A	Client ID:	RB-05 (0-6")
Inject. Date:	05-Apr-2012 21:24:09	Dil. Factor:	1.0000
Sample Type:	Client		
Sample ID:	Name: 480-18068-B-7-A		
Misc. Info.:	Study: 480-0010755-024 Channel B: I/F Serial#, 9205571204		
Operator:	tchrom	Instrument ID:	HP5890-12
Vol. Injected:	1.0000	ALS Bottle#:	0
Lims Batch ID:	58319	Lims Sample ID:	24
Detector 1 :	Ch-A-7A136		
Detector 2 :	Ch-B-7b136		
Method:	\\Bufchrom\ChromData\HP5890-12\20120405-10755.b\hp12_pcb.m		
Last Update:	05-Apr-2012 21:59:27	Calib Date:	23-Oct-2011 18:50:30
Quant Method:	External Standard	Quant By:	Initial Calibration
Last ICal File:	\\Bufchrom\ChromData\HP5890-12\20111023-6917.b\12_143_187.D		
Limit Group:	GC - 8082 PCB ICAL		
Integrator:	Falcon		
Process Host:	CORP-CTX-19		

First Level Reviewer: bescod Date: 06-Apr-2012 08:55:23

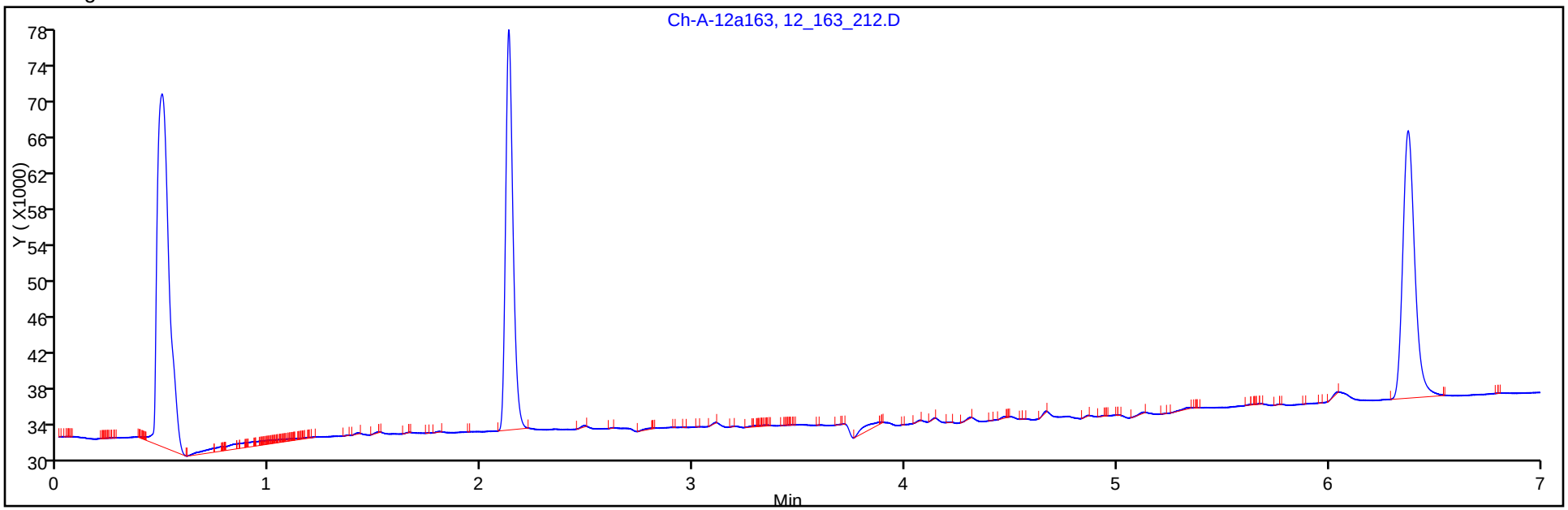
Det	Sig	RT	ADJ RT	DLT RT	Response	On-Col Amt ng/uL	Ratio Range	Ratio	Flags
$ 3 Tetrachloro-m-xylene									
1	1	2.128	2.128	0.000	106188	0.0246			
2	2	1.655	1.655	0.000	127461	0.0232			
						RPD = 5.92			
E 12 DCB Decachlorobiphenyl									
1	1	6.376	6.373	0.003	115553	0.0250			
2	2	5.769	5.771	-0.002	122422	0.0223			
						RPD = 11.73			

Report Date: 06-Apr-2012 08:55:23 Chrom Revision: 2.0 20-Feb-2012 13:27:02

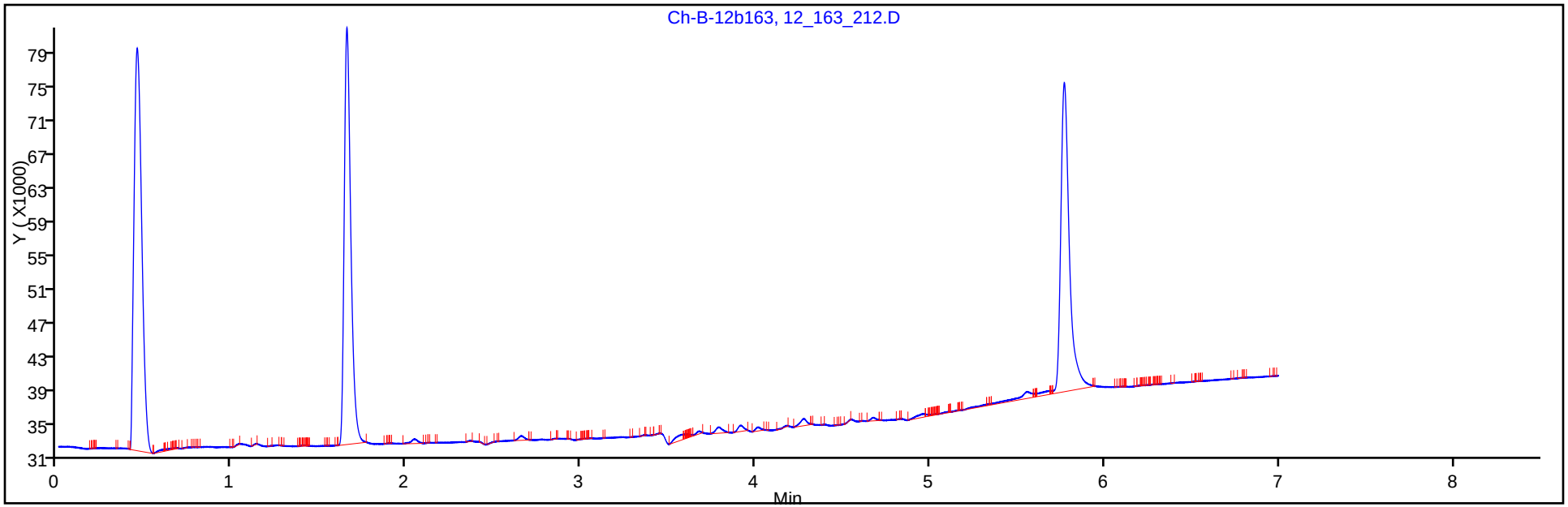
Data File: \\Bufchrom\ChromData\HP5890-12\20120405-10755.b\12_163_212.D

Injection Date:	05-Apr-2012 21:24:09	Limit Group:	GC - 8082 PCB ICAL
Client ID:	RB-05 (0-6")	Instrument ID:	HP5890-12
Lims Batch ID:	58319	Lims Sample ID:	24
Operator ID:	tchrom	Injection Vol:	1.00 ul

Y Scaling:



Y Scaling:



FORM I
PCBS ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Buffalo Job No.: 480-18068-1

SDG No.:

Client Sample ID: RB-05 (0-6") Lab Sample ID: 480-18068-7

Matrix: Solid Lab File ID: 12_163_212.D

Analysis Method: 8082 Date Collected: 04/02/2012 14:55

Extraction Method: 3550B Date Extracted: 04/05/2012 09:40

Sample wt/vol: +2.28(g) Date Analyzed: 04/05/2012 21:24

Con. Extract Vol.: 10(mL) Dilution Factor: 1

Injection Volume: 1(uL) GC Column: ZB-35 ID: 0.53(mm)

% Moisture: 21.7 GPC Cleanup:(Y/N) N

Analysis Batch No.: 58319 Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
12674-11-2	PCB-1016	ND		280	55
11104-28-2	PCB-1221	ND		280	55
11141-16-5	PCB-1232	ND		280	55
53469-21-9	PCB-1242	ND		280	61
12672-29-6	PCB-1248	ND		280	55
11097-69-1	PCB-1254	ND		280	59
11096-82-5	PCB-1260	ND		280	130

CAS NO.	SURROGATE	%REC	Q	LIMITS
2051-24-3	DCB Decachlorobiphenyl	111		36-182
877-09-8	Tetrachloro-m-xylene	116		24-172

TestAmerica Laboratories
Target Compound Quantitation Report

Data File:	\\Bufchrom\ChromData\HP5890-12\20120405-10755.b\12_163_212.D		
Lims ID:	480-18068-B-7-A	Client ID:	RB-05 (0-6")
Inject. Date:	05-Apr-2012 21:24:09	Dil. Factor:	1.0000
Sample Type:	Client		
Sample ID:	Name: 480-18068-B-7-A		
Misc. Info.:	Study: 480-0010755-024 Channel B: I/F Serial#, 9205571204		
Operator:	tchrom	Instrument ID:	HP5890-12
Vol. Injected:	1.0000	ALS Bottle#:	0
Lims Batch ID:	58319	Lims Sample ID:	24
Detector 1 :	Ch-A-7A136		
Detector 2 :	Ch-B-7b136		
Method:	\\Bufchrom\ChromData\HP5890-12\20120405-10755.b\hp12_pcb.m		
Last Update:	05-Apr-2012 21:59:27	Calib Date:	23-Oct-2011 18:50:30
Quant Method:	External Standard	Quant By:	Initial Calibration
Last ICal File:	\\Bufchrom\ChromData\HP5890-12\20111023-6917.b\12_143_187.D		
Limit Group:	GC - 8082 PCB ICAL		
Integrator:	Falcon		
Process Host:	CORP-CTX-19		

First Level Reviewer: bescod Date: 06-Apr-2012 08:55:23

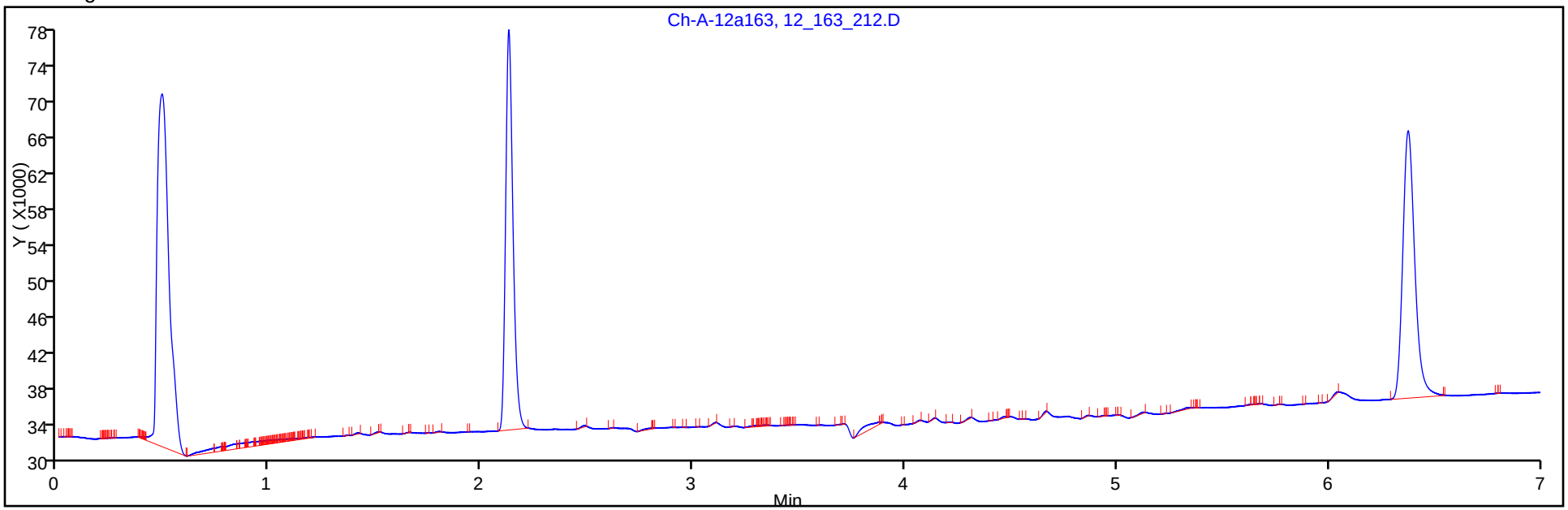
Det	Sig	RT	ADJ RT	DLT RT	Response	On-Col Amt ng/uL	Ratio Range	Ratio	Flags
$ 3 Tetrachloro-m-xylene									
1	1	2.128	2.128	0.000	106188	0.0246			
2	2	1.655	1.655	0.000	127461	0.0232			
						RPD = 5.92			
E 12 DCB Decachlorobiphenyl									
1	1	6.376	6.373	0.003	115553	0.0250			
2	2	5.769	5.771	-0.002	122422	0.0223			
						RPD = 11.73			

Report Date: 06-Apr-2012 08:55:24 Chrom Revision: 2.0 20-Feb-2012 13:27:02

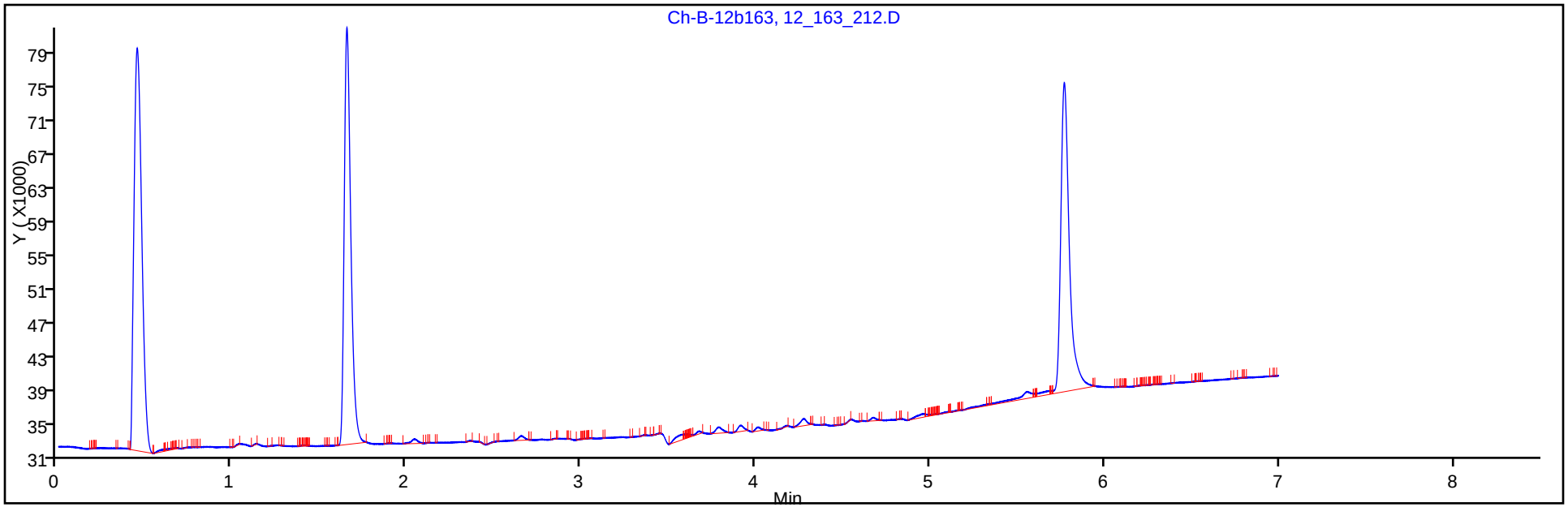
Data File: \\Bufchrom\ChromData\HP5890-12\20120405-10755.b\12_163_212.D

Injection Date:	05-Apr-2012 21:24:09	Limit Group:	GC - 8082 PCB ICAL
Client ID:	RB-05 (0-6")	Instrument ID:	HP5890-12
Lims Batch ID:	58319	Lims Sample ID:	24
Operator ID:	tchrom	Injection Vol:	1.00 ul

Y Scaling:



Y Scaling:



FORM I
PCBS ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Buffalo Job No.: 480-18068-1

SDG No.:

Client Sample ID: RB-05 (6"-12" Lab Sample ID: 480-18068-8

Matrix: Solid Lab File ID: 12_163_213.D

Analysis Method: 8082 Date Collected: 04/02/2012 15:10

Extraction Method: 3550B Date Extracted: 04/05/2012 09:40

Sample wt/vol: +2.64(g) Date Analyzed: 04/05/2012 21:38

Con. Extract Vol.: 10(mL) Dilution Factor: 1

Injection Volume: 1(uL) GC Column: ZB-5 ID: 0.53(mm)

% Moisture: 12.7 GPC Cleanup:(Y/N) N

Analysis Batch No.: 58319 Units: ug/Kg

CAS NO.	SURROGATE	%REC	Q	LIMITS
2051-24-3	DCB Decachlorobiphenyl	95		36-182
877-09-8	Tetrachloro-m-xylene	89		24-172

TestAmerica Laboratories
Target Compound Quantitation Report

Data File:	\\Bufchrom\ChromData\HP5890-12\20120405-10755.b\12_163_213.D		
Lims ID:	480-18068-B-8-A	Client ID:	RB-05 (6"-12"
Inject. Date:	05-Apr-2012 21:38:54	Dil. Factor:	1.0000
Sample Type:	Client		
Sample ID:	Name: 480-18068-B-8-A		
Misc. Info.:	Study: 480-0010755-025 Channel B: I/F Serial#, 9205571204		
Operator:	tchrom	Instrument ID:	HP5890-12
Vol. Injected:	1.0000	ALS Bottle#:	0
Lims Batch ID:	58319	Lims Sample ID:	25
Detector 1 :	Ch-A-7A136		
Detector 2 :	Ch-B-7b136		
Method:	\\Bufchrom\ChromData\HP5890-12\20120405-10755.b\hp12_pcb.m		
Last Update:	05-Apr-2012 21:59:27	Calib Date:	23-Oct-2011 18:50:30
Quant Method:	External Standard	Quant By:	Initial Calibration
Last ICal File:	\\Bufchrom\ChromData\HP5890-12\20111023-6917.b\12_143_187.D		
Limit Group:	GC - 8082 PCB ICAL		
Integrator:	Falcon		
Process Host:	CORP-CTX-19		

First Level Reviewer: bescod Date: 06-Apr-2012 08:55:49

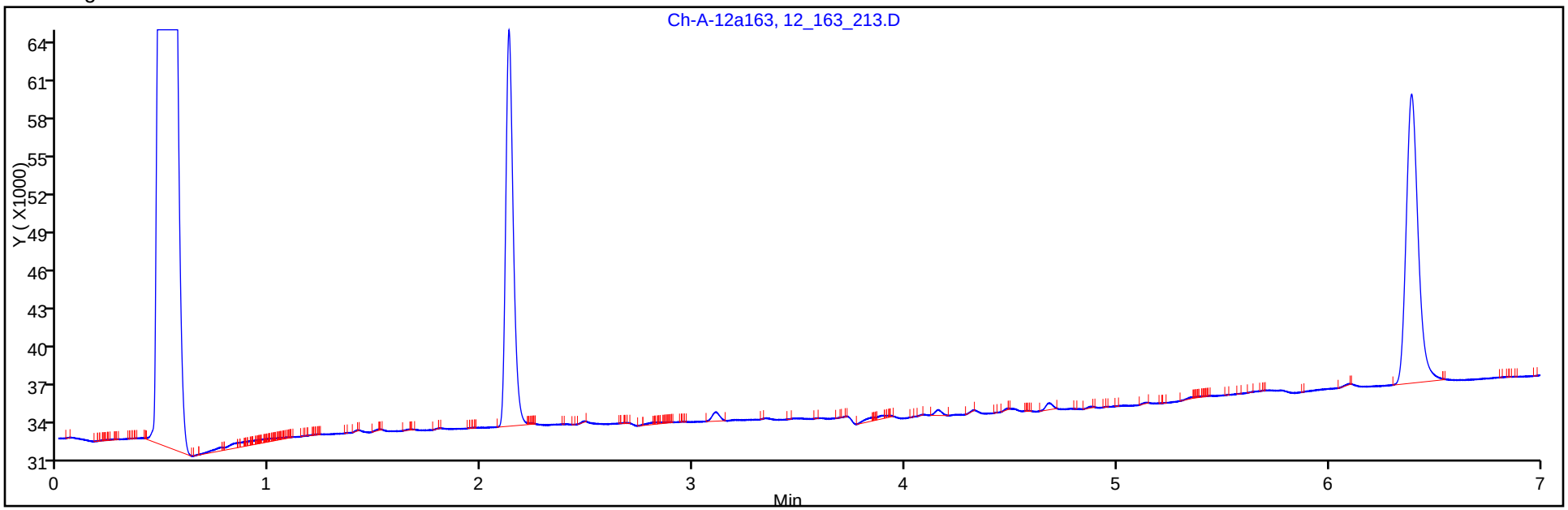
Det	Sig	RT	ADJ RT	DLT RT	Response	On-Col Amt ng/uL	Ratio Range	Ratio	Flags
$ 3 Tetrachloro-m-xylene									
1	1	2.129	2.128	0.001	75335	0.0178			
2	2	1.656	1.655	0.001	89702	0.0166			
						RPD = 7.12			
E 12 DCB Decachlorobiphenyl									
1	1	6.393	6.373	0.020	87692	0.0190			
2	2	5.784	5.771	0.013	89893	0.0163			
						RPD = 15.01			

Report Date: 06-Apr-2012 08:55:49 Chrom Revision: 2.0 20-Feb-2012 13:27:02

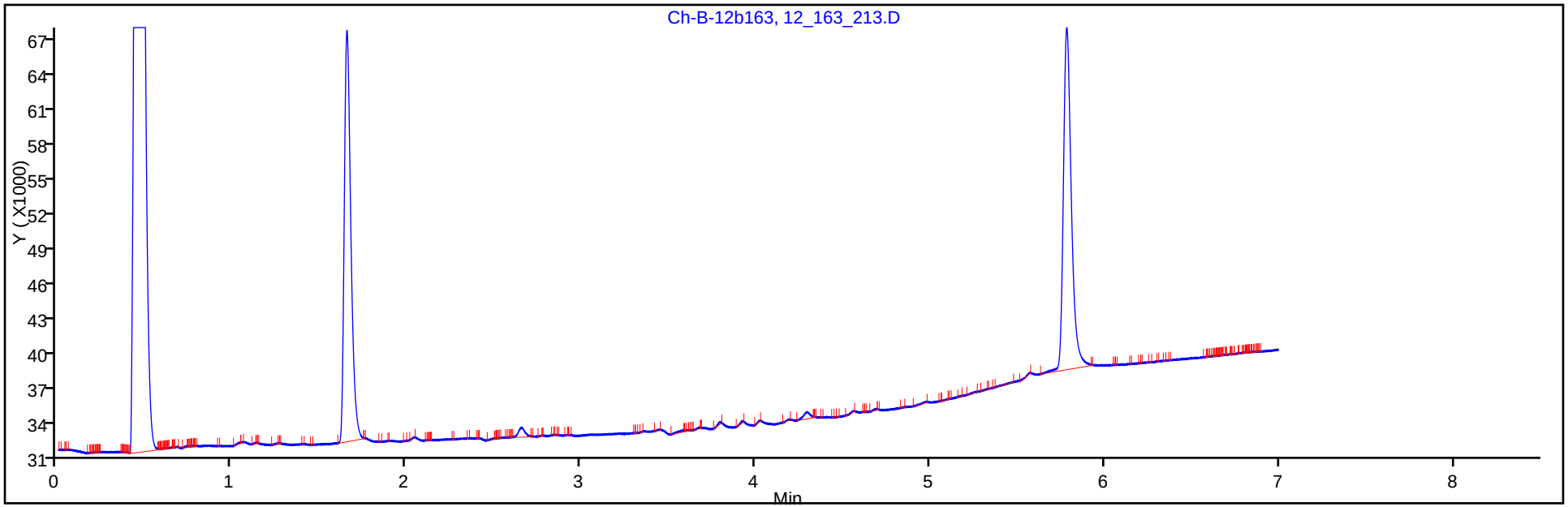
Data File: \\Bufchrom\ChromData\HP5890-12\20120405-10755.b\12_163_213.D

Injection Date:	05-Apr-2012 21:38:54	Limit Group:	GC - 8082 PCB ICAL
Client ID:	RB-05 (6"-12"	Instrument ID:	HP5890-12
Lims Batch ID:	58319	Lims Sample ID:	25
Operator ID:	tchrom	Injection Vol:	1.00 ul

Y Scaling:



Y Scaling:



FORM I
PCBS ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Buffalo | Job No.: 480-18068-1

SDG No.:

Client Sample ID: RB-05 (6"-12" | Lab Sample ID: 480-18068-8

Matrix: Solid | Lab File ID: 12_163_213.D

Analysis Method: 8082 | Date Collected: 04/02/2012 15:10

Extraction Method: 3550B | Date Extracted: 04/05/2012 09:40

Sample wt/vol: +2.64(g) | Date Analyzed: 04/05/2012 21:38

Con. Extract Vol.: 10(mL) | Dilution Factor: 1

Injection Volume: 1(uL) | GC Column: ZB-35 ID: 0.53(mm)

% Moisture: 12.7 | GPC Cleanup:(Y/N) N

Analysis Batch No.: 58319 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
12674-11-2	PCB-1016	ND		220	42
11104-28-2	PCB-1221	ND		220	42
11141-16-5	PCB-1232	ND		220	42
53469-21-9	PCB-1242	ND		220	47
12672-29-6	PCB-1248	ND		220	43
11097-69-1	PCB-1254	ND		220	46
11096-82-5	PCB-1260	ND		220	100

CAS NO.	SURROGATE	%REC	Q	LIMITS
2051-24-3	DCB Decachlorobiphenyl	82		36-182
877-09-8	Tetrachloro-m-xylene	83		24-172

TestAmerica Laboratories
Target Compound Quantitation Report

Data File:	\\Bufchrom\ChromData\HP5890-12\20120405-10755.b\12_163_213.D		
Lims ID:	480-18068-B-8-A	Client ID:	RB-05 (6"-12"
Inject. Date:	05-Apr-2012 21:38:54	Dil. Factor:	1.0000
Sample Type:	Client		
Sample ID:	Name: 480-18068-B-8-A		
Misc. Info.:	Study: 480-0010755-025 Channel B: I/F Serial#, 9205571204		
Operator:	tchrom	Instrument ID:	HP5890-12
Vol. Injected:	1.0000	ALS Bottle#:	0
Lims Batch ID:	58319	Lims Sample ID:	25
Detector 1 :	Ch-A-7A136		
Detector 2 :	Ch-B-7b136		
Method:	\\Bufchrom\ChromData\HP5890-12\20120405-10755.b\hp12_pcb.m		
Last Update:	05-Apr-2012 21:59:27	Calib Date:	23-Oct-2011 18:50:30
Quant Method:	External Standard	Quant By:	Initial Calibration
Last ICal File:	\\Bufchrom\ChromData\HP5890-12\20111023-6917.b\12_143_187.D		
Limit Group:	GC - 8082 PCB ICAL		
Integrator:	Falcon		
Process Host:	CORP-CTX-19		

First Level Reviewer: bescod Date: 06-Apr-2012 08:55:49

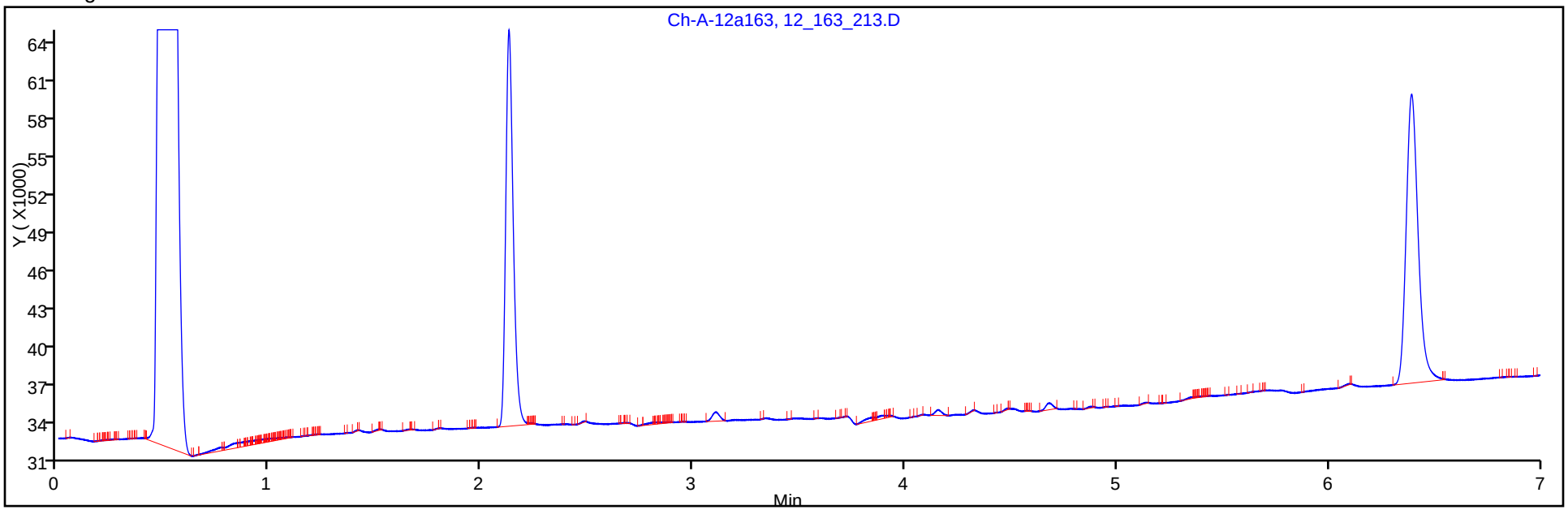
Det	Sig	RT	ADJ RT	DLT RT	Response	On-Col Amt ng/uL	Ratio Range	Ratio	Flags
$ 3 Tetrachloro-m-xylene									
1	1	2.129	2.128	0.001	75335	0.0178			
2	2	1.656	1.655	0.001	89702	0.0166			
						RPD = 7.12			
E 12 DCB Decachlorobiphenyl									
1	1	6.393	6.373	0.020	87692	0.0190			
2	2	5.784	5.771	0.013	89893	0.0163			
						RPD = 15.01			

Report Date: 06-Apr-2012 08:55:49 Chrom Revision: 2.0 20-Feb-2012 13:27:02

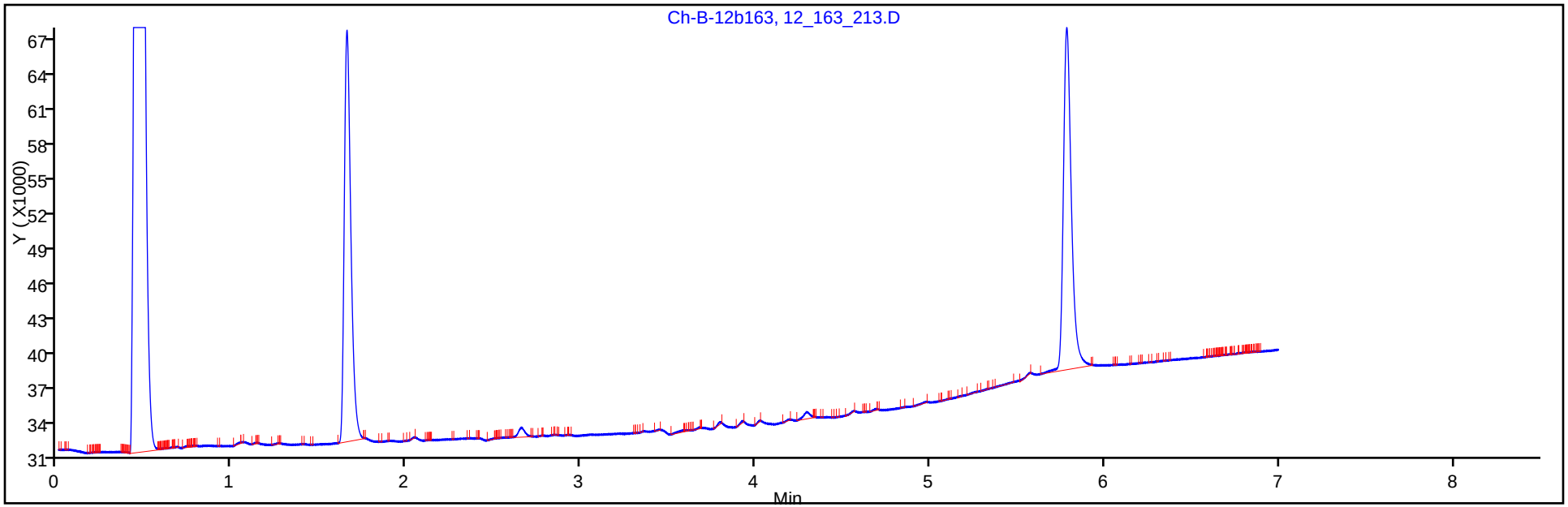
Data File: \\Bufchrom\ChromData\HP5890-12\20120405-10755.b\12_163_213.D

Injection Date:	05-Apr-2012 21:38:54	Limit Group:	GC - 8082 PCB ICAL
Client ID:	RB-05 (6"-12"	Instrument ID:	HP5890-12
Lims Batch ID:	58319	Lims Sample ID:	25
Operator ID:	tchrom	Injection Vol:	1.00 ul

Y Scaling:



Y Scaling:



FORM I
PCBS ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Buffalo | Job No.: 480-18068-1

SDG No.:

Client Sample ID: RB-05 (12"-24") | Lab Sample ID: 480-18068-9

Matrix: Solid | Lab File ID: 12_163_214.D

Analysis Method: 8082 | Date Collected: 04/02/2012 15:25

Extraction Method: 3550B | Date Extracted: 04/05/2012 09:40

Sample wt/vol: +2.29(g) | Date Analyzed: 04/05/2012 21:53

Con. Extract Vol.: 10(mL) | Dilution Factor: 1

Injection Volume: 1(uL) | GC Column: ZB-5 ID: 0.53(mm)

% Moisture: 15.6 | GPC Cleanup:(Y/N) N

Analysis Batch No.: 58319 | Units: ug/Kg

CAS NO.	SURROGATE	%REC	Q	LIMITS
2051-24-3	DCB Decachlorobiphenyl	119		36-182
877-09-8	Tetrachloro-m-xylene	116		24-172

TestAmerica Laboratories
Target Compound Quantitation Report

Data File:	\\Bufchrom\ChromData\HP5890-12\20120405-10755.b\12_163_214.D		
Lims ID:	480-18068-C-9-B	Client ID:	RB-05 (12"-24")
Inject. Date:	05-Apr-2012 21:53:35	Dil. Factor:	1.0000
Sample Type:	Client		
Sample ID:	Name: 480-18068-C-9-B		
Misc. Info.:	Study: 480-0010755-026 Channel B: I/F Serial#, 9205571204		
Operator:	tchrom	Instrument ID:	HP5890-12
Vol. Injected:	1.0000	ALS Bottle#:	0
Lims Batch ID:	58319	Lims Sample ID:	26
Detector 1 :	Ch-A-7A136		
Detector 2 :	Ch-B-7b136		
Method:	\\Bufchrom\ChromData\HP5890-12\20120405-10755.b\hp12_pcb.m		
Last Update:	05-Apr-2012 21:59:27	Calib Date:	23-Oct-2011 18:50:30
Quant Method:	External Standard	Quant By:	Initial Calibration
Last ICal File:	\\Bufchrom\ChromData\HP5890-12\20111023-6917.b\12_143_187.D		
Limit Group:	GC - 8082 PCB ICAL		
Integrator:	Falcon		
Process Host:	CORP-CTX-19		

First Level Reviewer: bescod Date: 06-Apr-2012 08:56:01

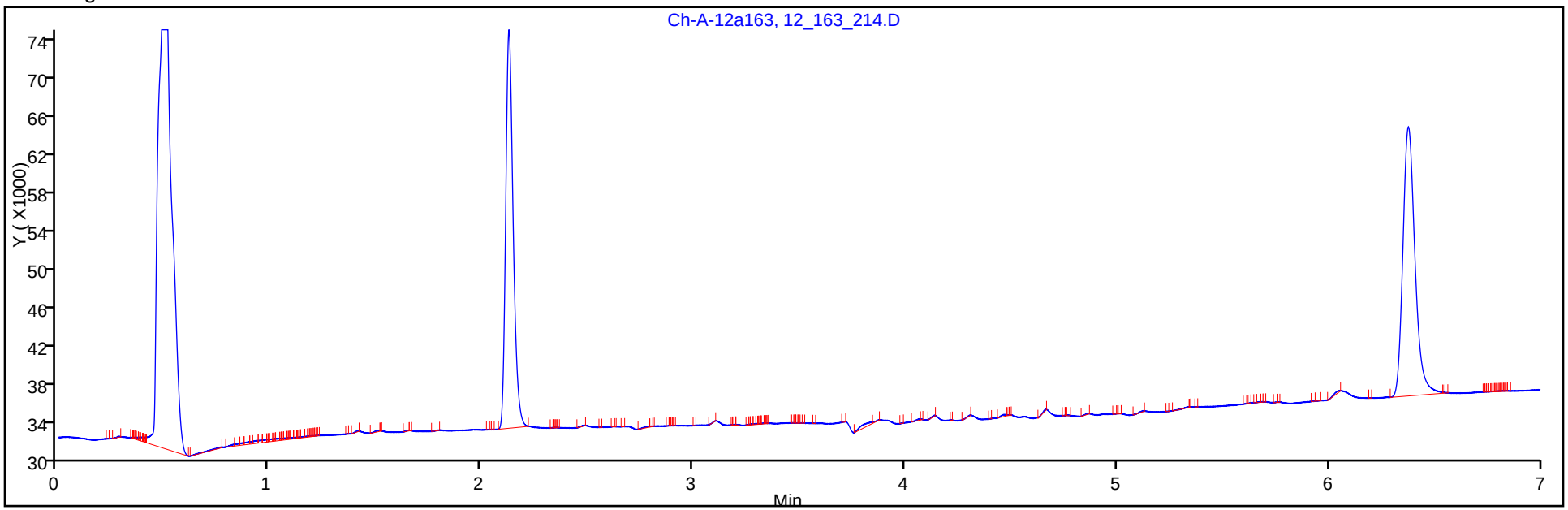
Det	Sig	RT	ADJ RT	DLT RT	Response	On-Col Amt ng/uL	Ratio Range	Ratio	Flags
$ 3 Tetrachloro-m-xylene									
1	1	2.129	2.128	0.001	100267	0.0233			
2	2	1.656	1.655	0.001	120087	0.0219			
						RPD = 6.20			
E 12 DCB Decachlorobiphenyl									
1	1	6.377	6.373	0.004	109878	0.0238			
2	2	5.769	5.771	-0.002	114874	0.0209			
						RPD = 13.06			

Report Date: 06-Apr-2012 08:56:01 Chrom Revision: 2.0 20-Feb-2012 13:27:02

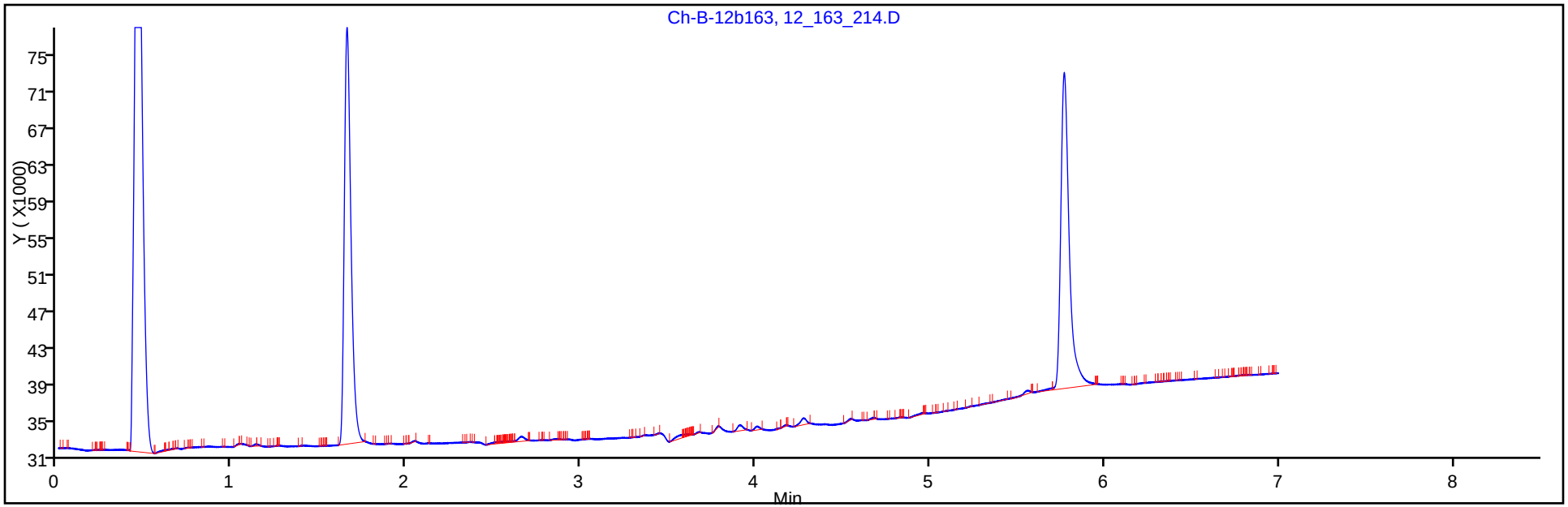
Data File: \\Bufchrom\ChromData\HP5890-12\20120405-10755.b\12_163_214.D

Injection Date:	05-Apr-2012 21:53:35	Limit Group:	GC - 8082 PCB ICAL
Client ID:	RB-05 (12"-24")	Instrument ID:	HP5890-12
Lims Batch ID:	58319	Lims Sample ID:	26
Operator ID:	tchrom	Injection Vol:	1.00 ul

Y Scaling:



Y Scaling:



FORM I
PCBS ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Buffalo | Job No.: 480-18068-1

SDG No.:

Client Sample ID: RB-05 (12"-24") | Lab Sample ID: 480-18068-9

Matrix: Solid | Lab File ID: 12_163_214.D

Analysis Method: 8082 | Date Collected: 04/02/2012 15:25

Extraction Method: 3550B | Date Extracted: 04/05/2012 09:40

Sample wt/vol: +2.29(g) | Date Analyzed: 04/05/2012 21:53

Con. Extract Vol.: 10(mL) | Dilution Factor: 1

Injection Volume: 1(uL) | GC Column: ZB-35 ID: 0.53(mm)

% Moisture: 15.6 | GPC Cleanup:(Y/N) N

Analysis Batch No.: 58319 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
12674-11-2	PCB-1016	ND		260	51
11104-28-2	PCB-1221	ND		260	51
11141-16-5	PCB-1232	ND		260	51
53469-21-9	PCB-1242	ND		260	56
12672-29-6	PCB-1248	ND		260	51
11097-69-1	PCB-1254	ND		260	55
11096-82-5	PCB-1260	ND		260	120

CAS NO.	SURROGATE	%REC	Q	LIMITS
2051-24-3	DCB Decachlorobiphenyl	104		36-182
877-09-8	Tetrachloro-m-xylene	109		24-172

TestAmerica Laboratories
Target Compound Quantitation Report

Data File:	\\Bufchrom\ChromData\HP5890-12\20120405-10755.b\12_163_214.D		
Lims ID:	480-18068-C-9-B	Client ID:	RB-05 (12"-24")
Inject. Date:	05-Apr-2012 21:53:35	Dil. Factor:	1.0000
Sample Type:	Client		
Sample ID:	Name: 480-18068-C-9-B		
Misc. Info.:	Study: 480-0010755-026 Channel B: I/F Serial#, 9205571204		
Operator:	tchrom	Instrument ID:	HP5890-12
Vol. Injected:	1.0000	ALS Bottle#:	0
Lims Batch ID:	58319	Lims Sample ID:	26
Detector 1 :	Ch-A-7A136		
Detector 2 :	Ch-B-7b136		
Method:	\\Bufchrom\ChromData\HP5890-12\20120405-10755.b\hp12_pcb.m		
Last Update:	05-Apr-2012 21:59:27	Calib Date:	23-Oct-2011 18:50:30
Quant Method:	External Standard	Quant By:	Initial Calibration
Last ICal File:	\\Bufchrom\ChromData\HP5890-12\20111023-6917.b\12_143_187.D		
Limit Group:	GC - 8082 PCB ICAL		
Integrator:	Falcon		
Process Host:	CORP-CTX-19		

First Level Reviewer: bescod Date: 06-Apr-2012 08:56:01

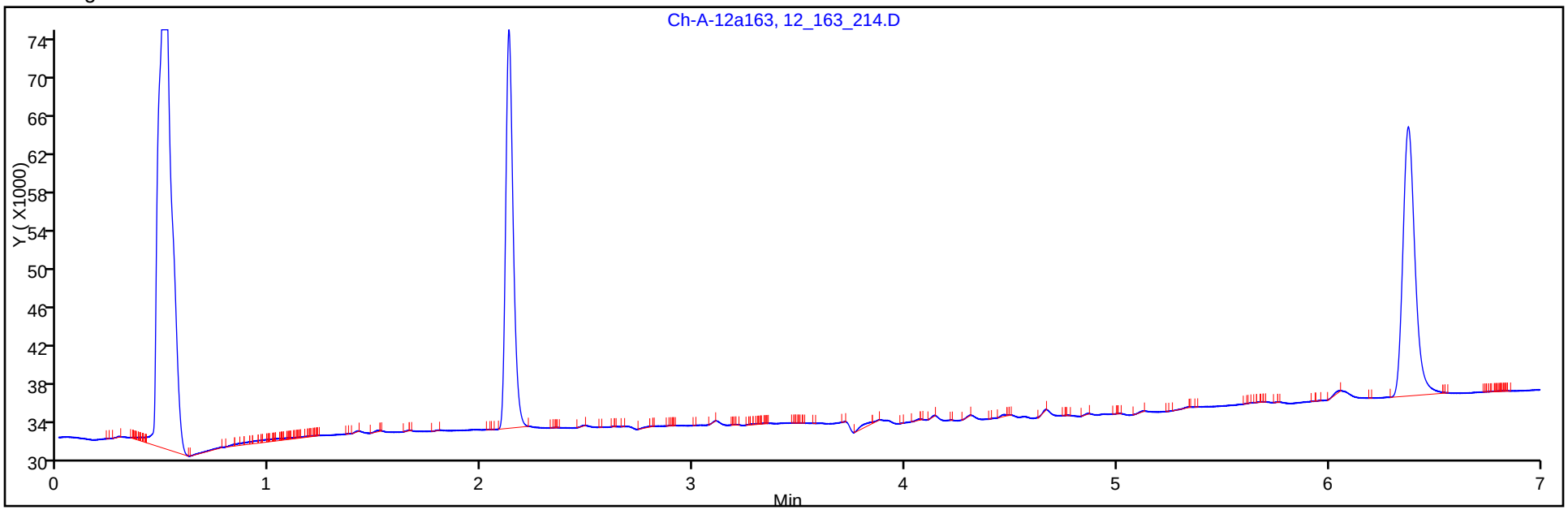
Det	Sig	RT	ADJ RT	DLT RT	Response	On-Col Amt ng/uL	Ratio Range	Ratio	Flags
$ 3 Tetrachloro-m-xylene									
1	1	2.129	2.128	0.001	100267	0.0233			
2	2	1.656	1.655	0.001	120087	0.0219			
						RPD = 6.20			
E 12 DCB Decachlorobiphenyl									
1	1	6.377	6.373	0.004	109878	0.0238			
2	2	5.769	5.771	-0.002	114874	0.0209			
						RPD = 13.06			

Report Date: 06-Apr-2012 08:56:01 Chrom Revision: 2.0 20-Feb-2012 13:27:02

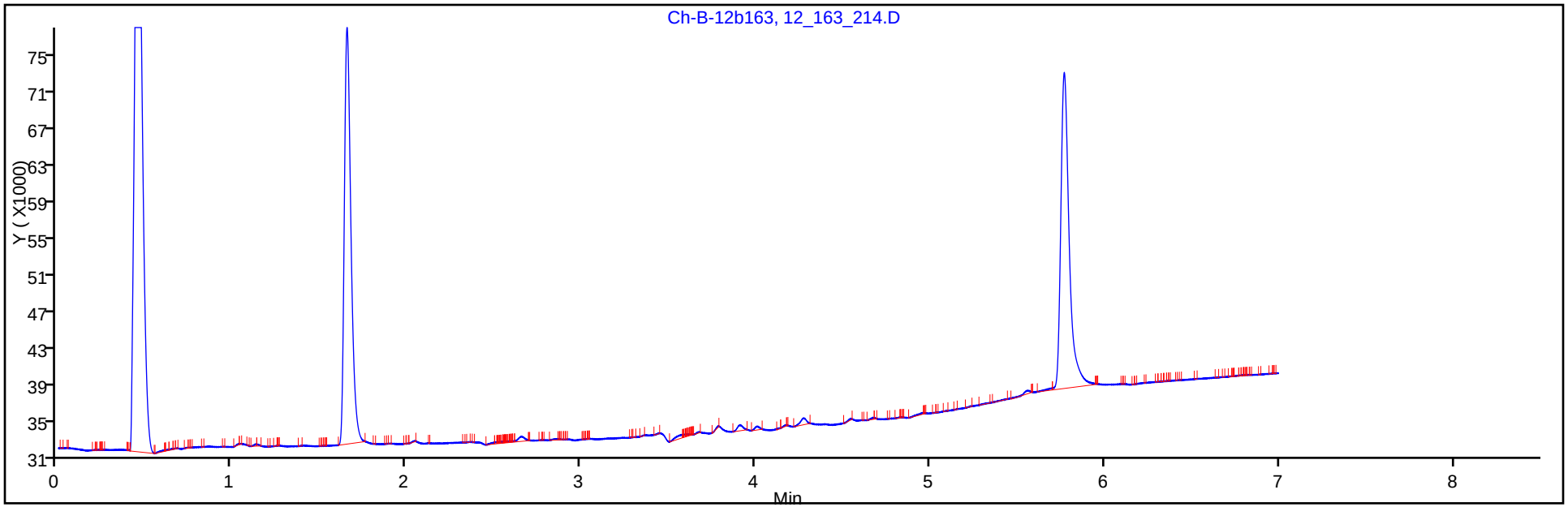
Data File: \\Bufchrom\ChromData\HP5890-12\20120405-10755.b\12_163_214.D

Injection Date:	05-Apr-2012 21:53:35	Limit Group:	GC - 8082 PCB ICAL
Client ID:	RB-05 (12"-24")	Instrument ID:	HP5890-12
Lims Batch ID:	58319	Lims Sample ID:	26
Operator ID:	tchrom	Injection Vol:	1.00 ul

Y Scaling:



Y Scaling:



FORM I
PCBS ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Buffalo Job No.: 480-18068-1

SDG No.:

Client Sample ID: RB-06 (0-6") Lab Sample ID: 480-18068-10

Matrix: Solid Lab File ID: 12_163_215.D

Analysis Method: 8082 Date Collected: 04/02/2012 16:10

Extraction Method: 3550B Date Extracted: 04/05/2012 09:40

Sample wt/vol: +2.81(g) Date Analyzed: 04/05/2012 22:08

Con. Extract Vol.: 10(mL) Dilution Factor: 1

Injection Volume: 1(uL) GC Column: ZB-5 ID: 0.53(mm)

% Moisture: 10.1 GPC Cleanup:(Y/N) N

Analysis Batch No.: 58319 Units: ug/Kg

CAS NO.	SURROGATE	%REC	Q	LIMITS
2051-24-3	DCB Decachlorobiphenyl	142		36-182
877-09-8	Tetrachloro-m-xylene	131		24-172

TestAmerica Laboratories
Target Compound Quantitation Report

Data File:	\\Bufchrom\ChromData\HP5890-12\20120405-10755.b\12_163_215.D		
Lims ID:	480-18068-B-10-A	Client ID:	RB-06 (0-6")
Inject. Date:	05-Apr-2012 22:08:23	Dil. Factor:	1.0000
Sample Type:	Client		
Sample ID:	Name: 480-18068-B-10-A		
Misc. Info.:	Study: 480-0010755-027 Channel B: I/F Serial#, 9205571204		
Operator:	tchrom	Instrument ID:	HP5890-12
Vol. Injected:	1.0000	ALS Bottle#:	0
Lims Batch ID:	58319	Lims Sample ID:	27
Detector 1 :	Ch-A-7A136		
Detector 2 :	Ch-B-7b136		
Method:	\\Bufchrom\ChromData\HP5890-12\20120405-10755.b\hp12_pcb.m		
Last Update:	05-Apr-2012 21:59:27	Calib Date:	23-Oct-2011 18:50:30
Quant Method:	External Standard	Quant By:	Initial Calibration
Last ICal File:	\\Bufchrom\ChromData\HP5890-12\20111023-6917.b\12_143_187.D		
Limit Group:	GC - 8082 PCB ICAL		
Integrator:	Falcon		
Process Host:	CORP-CTX-19		

First Level Reviewer: bescod Date: 06-Apr-2012 08:56:12

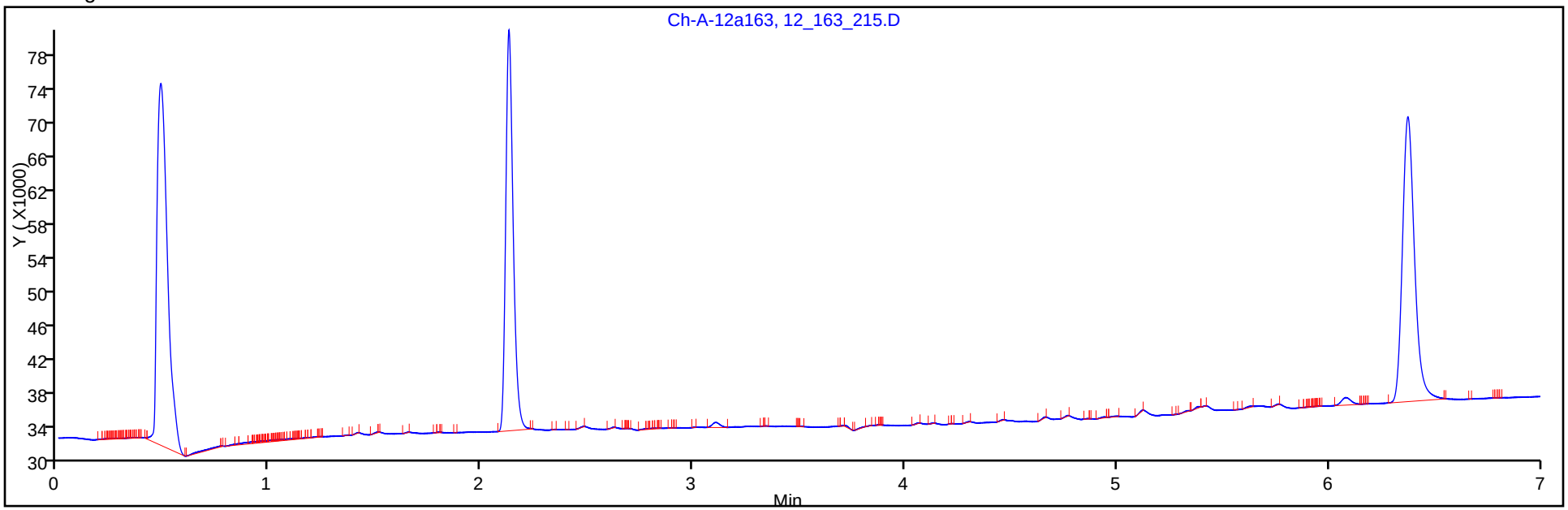
Det	Sig	RT	ADJ RT	DLT RT	Response	On-Col Amt ng/uL	Ratio Range	Ratio	Flags
$ 3 Tetrachloro-m-xylene									
1	1	2.129	2.128	0.001	113546	0.0262			
2	2	1.655	1.655	0.000	135131	0.0245			
						RPD = 6.67			
E 12 DCB Decachlorobiphenyl									
1	1	6.375	6.373	0.002	131208	0.0284			
2	2	5.766	5.771	-0.005	131876	0.0240			
						RPD = 16.97			

Report Date: 06-Apr-2012 08:56:12 Chrom Revision: 2.0 20-Feb-2012 13:27:02

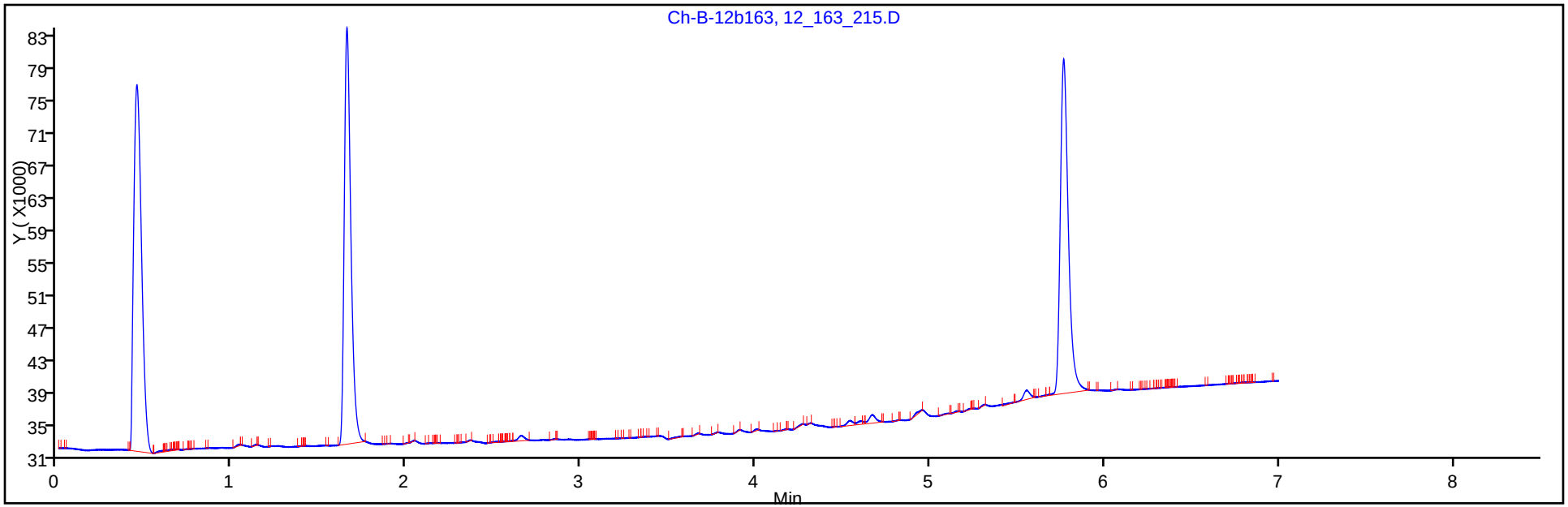
Data File: \\Bufchrom\ChromData\HP5890-12\20120405-10755.b\12_163_215.D

Injection Date:	05-Apr-2012 22:08:23	Limit Group:	GC - 8082 PCB ICAL
Client ID:	RB-06 (0-6")	Instrument ID:	HP5890-12
Lims Batch ID:	58319	Lims Sample ID:	27
Operator ID:	tchrom	Injection Vol:	1.00 ul

Y Scaling:



Y Scaling:



FORM I
PCBS ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Buffalo | Job No.: 480-18068-1

SDG No.:

Client Sample ID: RB-06 (0-6") | Lab Sample ID: 480-18068-10

Matrix: Solid | Lab File ID: 12_163_215.D

Analysis Method: 8082 | Date Collected: 04/02/2012 16:10

Extraction Method: 3550B | Date Extracted: 04/05/2012 09:40

Sample wt/vol: +2.81(g) | Date Analyzed: 04/05/2012 22:08

Con. Extract Vol.: 10(mL) | Dilution Factor: 1

Injection Volume: 1(uL) | GC Column: ZB-35 ID: 0.53(mm)

% Moisture: 10.1 | GPC Cleanup:(Y/N) N

Analysis Batch No.: 58319 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
12674-11-2	PCB-1016	ND		200	39
11104-28-2	PCB-1221	ND		200	39
11141-16-5	PCB-1232	ND		200	39
53469-21-9	PCB-1242	ND		200	43
12672-29-6	PCB-1248	ND		200	39
11097-69-1	PCB-1254	ND		200	42
11096-82-5	PCB-1260	ND		200	93

CAS NO.	SURROGATE	%REC	Q	LIMITS
2051-24-3	DCB Decachlorobiphenyl	120		36-182
877-09-8	Tetrachloro-m-xylene	122		24-172

TestAmerica Laboratories
Target Compound Quantitation Report

Data File:	\\Bufchrom\ChromData\HP5890-12\20120405-10755.b\12_163_215.D		
Lims ID:	480-18068-B-10-A	Client ID:	RB-06 (0-6")
Inject. Date:	05-Apr-2012 22:08:23	Dil. Factor:	1.0000
Sample Type:	Client		
Sample ID:	Name: 480-18068-B-10-A		
Misc. Info.:	Study: 480-0010755-027 Channel B: I/F Serial#, 9205571204		
Operator:	tchrom	Instrument ID:	HP5890-12
Vol. Injected:	1.0000	ALS Bottle#:	0
Lims Batch ID:	58319	Lims Sample ID:	27
Detector 1 :	Ch-A-7A136		
Detector 2 :	Ch-B-7b136		
Method:	\\Bufchrom\ChromData\HP5890-12\20120405-10755.b\hp12_pcb.m		
Last Update:	05-Apr-2012 21:59:27	Calib Date:	23-Oct-2011 18:50:30
Quant Method:	External Standard	Quant By:	Initial Calibration
Last ICal File:	\\Bufchrom\ChromData\HP5890-12\20111023-6917.b\12_143_187.D		
Limit Group:	GC - 8082 PCB ICAL		
Integrator:	Falcon		
Process Host:	CORP-CTX-19		

First Level Reviewer: bescod Date: 06-Apr-2012 08:56:12

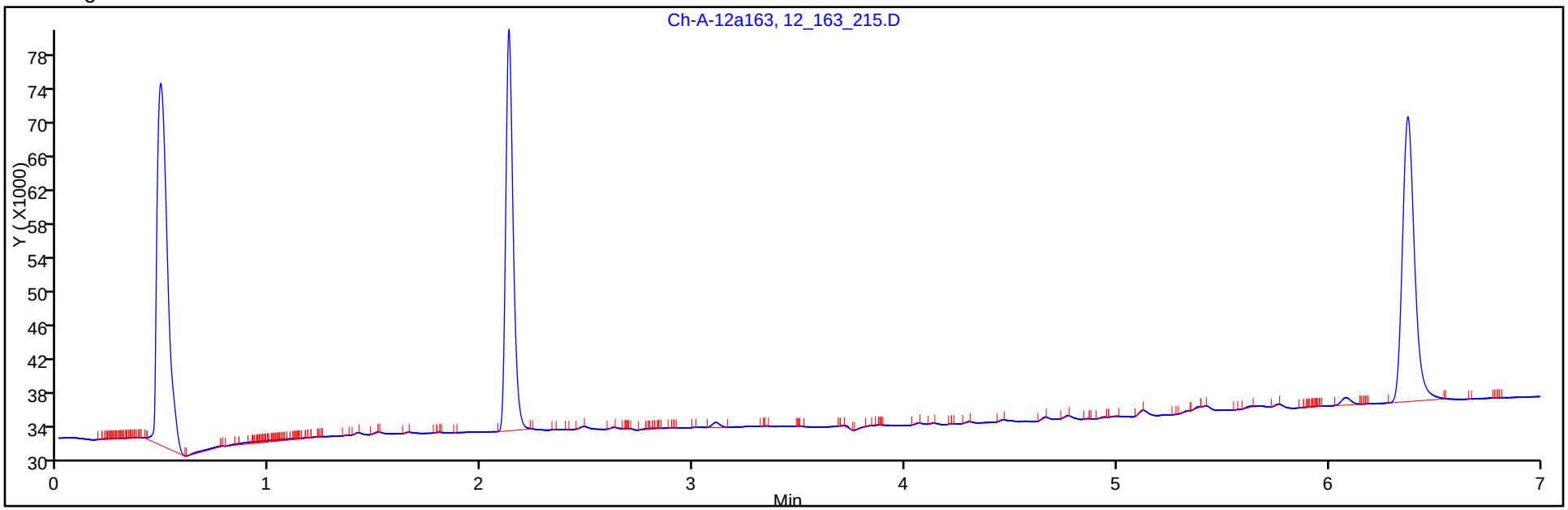
Det	Sig	RT	ADJ RT	DLT RT	Response	On-Col Amt ng/uL	Ratio Range	Ratio	Flags
$ 3 Tetrachloro-m-xylene									
1	1	2.129	2.128	0.001	113546	0.0262			
2	2	1.655	1.655	0.000	135131	0.0245			
						RPD = 6.67			
E 12 DCB Decachlorobiphenyl									
1	1	6.375	6.373	0.002	131208	0.0284			
2	2	5.766	5.771	-0.005	131876	0.0240			
						RPD = 16.97			

Report Date: 06-Apr-2012 08:56:12 Chrom Revision: 2.0 20-Feb-2012 13:27:02

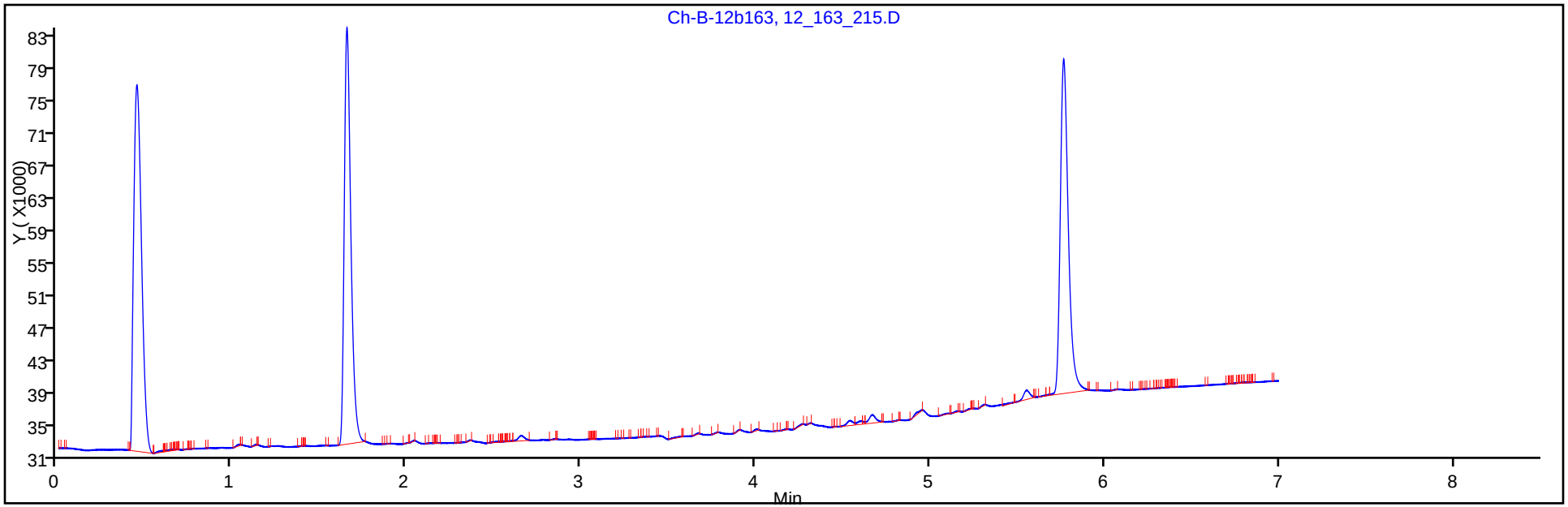
Data File: \\Bufchrom\ChromData\HP5890-12\20120405-10755.b\12_163_215.D

Injection Date:	05-Apr-2012 22:08:23	Limit Group:	GC - 8082 PCB ICAL
Client ID:	RB-06 (0-6")	Instrument ID:	HP5890-12
Lims Batch ID:	58319	Lims Sample ID:	27
Operator ID:	tchrom	Injection Vol:	1.00 ul

Y Scaling:



Y Scaling:



FORM I
PCBS ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Buffalo Job No.: 480-18068-1

SDG No.:

Client Sample ID: RB-06 (6"-12" Lab Sample ID: 480-18068-11

Matrix: Solid Lab File ID: 12_163_218.D

Analysis Method: 8082 Date Collected: 04/02/2012 16:25

Extraction Method: 3550B Date Extracted: 04/05/2012 09:40

Sample wt/vol: +2.82(g) Date Analyzed: 04/05/2012 22:52

Con. Extract Vol.: 10(mL) Dilution Factor: 1

Injection Volume: 1(uL) GC Column: ZB-5 ID: 0.53(mm)

% Moisture: 11.5 GPC Cleanup:(Y/N) N

Analysis Batch No.: 58319 Units: ug/Kg

CAS NO.	SURROGATE	%REC	Q	LIMITS
2051-24-3	DCB Decachlorobiphenyl	123		36-182
877-09-8	Tetrachloro-m-xylene	113		24-172

TestAmerica Laboratories
Target Compound Quantitation Report

Data File:	\\Bufchrom\ChromData\HP5890-12\20120405-10755.b\12_163_218.D		
Lims ID:	480-18068-B-11-A	Client ID:	RB-06 (6"-12"
Inject. Date:	05-Apr-2012 22:52:41	Dil. Factor:	1.0000
Sample Type:	Client		
Sample ID:	Name: 480-18068-B-11-A		
Misc. Info.:	Study: 480-0010755-030 Channel B: I/F Serial#, 9205571204		
Operator:	tchrom	Instrument ID:	HP5890-12
Vol. Injected:	1.0000	ALS Bottle#:	0
Lims Batch ID:	58319	Lims Sample ID:	30
Detector 1 :	Ch-A-7A136		
Detector 2 :	Ch-B-7b136		
Method:	\\Bufchrom\ChromData\HP5890-12\20120405-10755.b\hp12_pcb.m		
Last Update:	06-Apr-2012 08:56:23	Calib Date:	23-Oct-2011 18:50:30
Quant Method:	External Standard	Quant By:	Initial Calibration
Last ICal File:	\\Bufchrom\ChromData\HP5890-12\20111023-6917.b\12_143_187.D		
Limit Group:	GC - 8082 PCB ICAL		
Integrator:	Falcon		
Process Host:	CORP-CTX-19		

First Level Reviewer: bescod Date: 06-Apr-2012 08:56:35

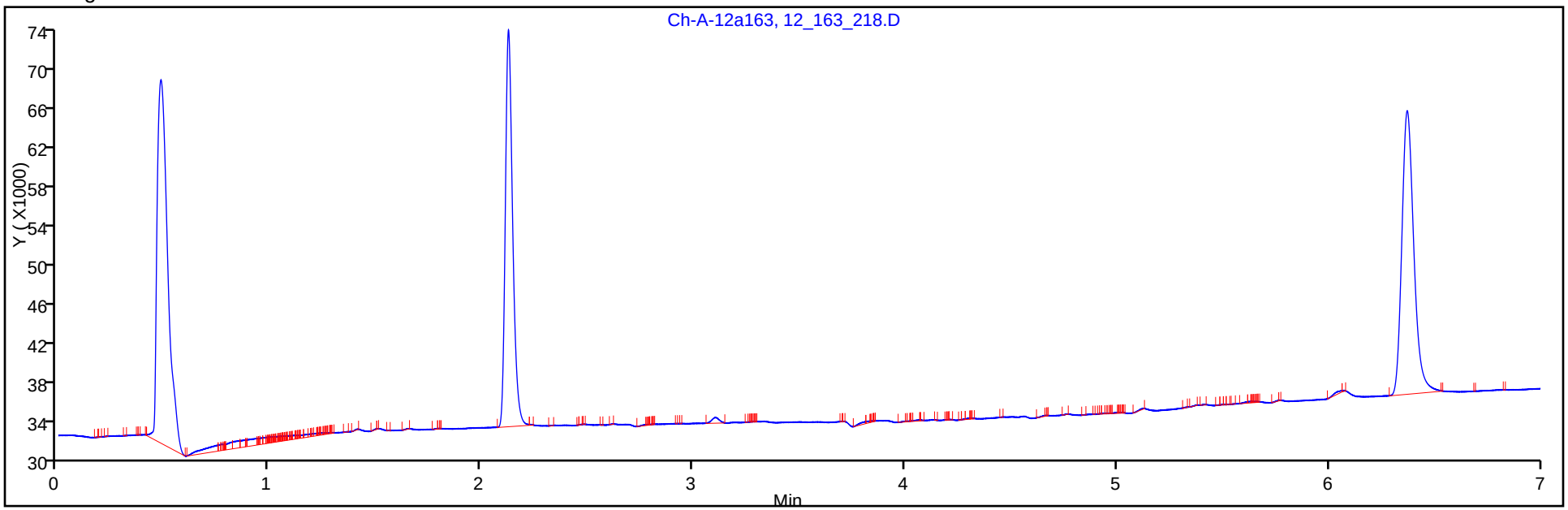
Det	Sig	RT	ADJ RT	DLT RT	Response	On-Col Amt ng/uL	Ratio Range	Ratio	Flags
$ 3 Tetrachloro-m-xylene									
1	1	2.126	2.125	0.001	97083	0.0226			
2	2	1.653	1.653	0.000	115787	0.0211			
						RPD = 6.63			
E 12 DCB Decachlorobiphenyl									
1	1	6.371	6.372	-0.001	113124	0.0245			
2	2	5.769	5.766	0.003	117868	0.0214			
						RPD = 13.39			

Report Date: 06-Apr-2012 08:56:36 Chrom Revision: 2.0 20-Feb-2012 13:27:02

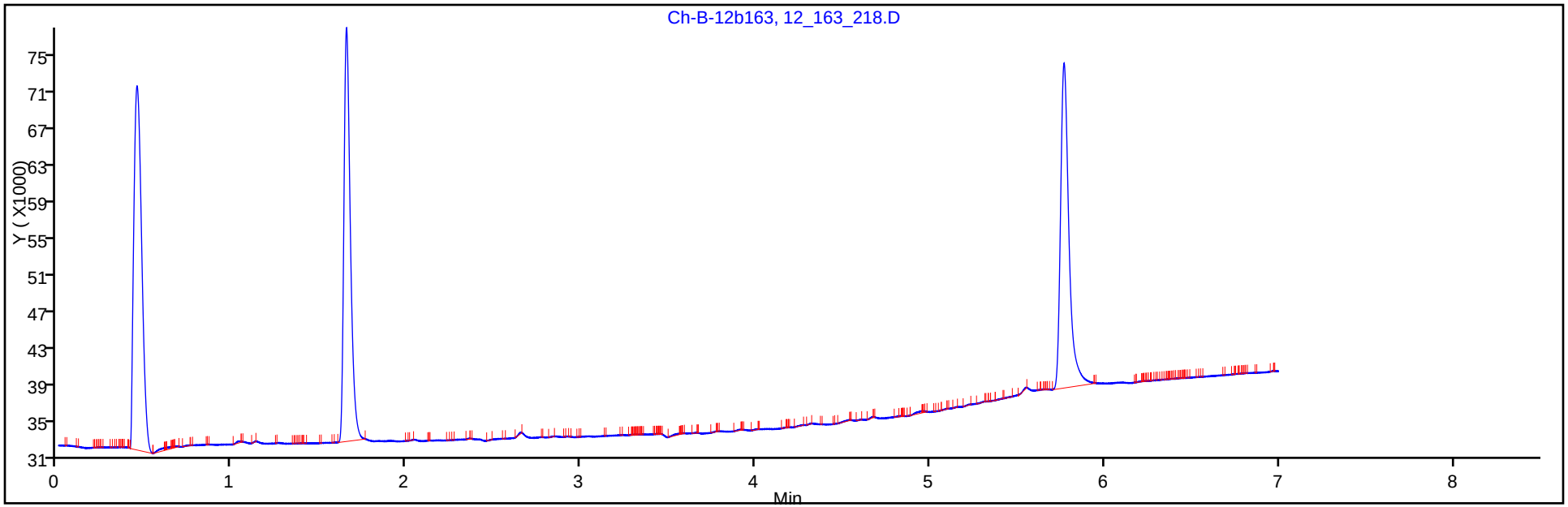
Data File: \\Bufchrom\ChromData\HP5890-12\20120405-10755.b\12_163_218.D

Injection Date:	05-Apr-2012 22:52:41	Limit Group:	GC - 8082 PCB ICAL
Client ID:	RB-06 (6"-12"	Instrument ID:	HP5890-12
Lims Batch ID:	58319	Lims Sample ID:	30
Operator ID:	tchrom	Injection Vol:	1.00 ul

Y Scaling:



Y Scaling:



FORM I
PCBS ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Buffalo | Job No.: 480-18068-1

SDG No.:

Client Sample ID: RB-06 (6"-12" | Lab Sample ID: 480-18068-11

Matrix: Solid | Lab File ID: 12_163_218.D

Analysis Method: 8082 | Date Collected: 04/02/2012 16:25

Extraction Method: 3550B | Date Extracted: 04/05/2012 09:40

Sample wt/vol: +2.82(g) | Date Analyzed: 04/05/2012 22:52

Con. Extract Vol.: 10(mL) | Dilution Factor: 1

Injection Volume: 1(uL) | GC Column: ZB-35 ID: 0.53(mm)

% Moisture: 11.5 | GPC Cleanup:(Y/N) N

Analysis Batch No.: 58319 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
12674-11-2	PCB-1016	ND		200	39
11104-28-2	PCB-1221	ND		200	39
11141-16-5	PCB-1232	ND		200	39
53469-21-9	PCB-1242	ND		200	44
12672-29-6	PCB-1248	ND		200	39
11097-69-1	PCB-1254	ND		200	42
11096-82-5	PCB-1260	ND		200	94

CAS NO.	SURROGATE	%REC	Q	LIMITS
2051-24-3	DCB Decachlorobiphenyl	107		36-182
877-09-8	Tetrachloro-m-xylene	106		24-172

TestAmerica Laboratories
Target Compound Quantitation Report

Data File:	\\Bufchrom\ChromData\HP5890-12\20120405-10755.b\12_163_218.D		
Lims ID:	480-18068-B-11-A	Client ID:	RB-06 (6"-12"
Inject. Date:	05-Apr-2012 22:52:41	Dil. Factor:	1.0000
Sample Type:	Client		
Sample ID:	Name: 480-18068-B-11-A		
Misc. Info.:	Study: 480-0010755-030 Channel B: I/F Serial#, 9205571204		
Operator:	tchrom	Instrument ID:	HP5890-12
Vol. Injected:	1.0000	ALS Bottle#:	0
Lims Batch ID:	58319	Lims Sample ID:	30
Detector 1 :	Ch-A-7A136		
Detector 2 :	Ch-B-7b136		
Method:	\\Bufchrom\ChromData\HP5890-12\20120405-10755.b\hp12_pcb.m		
Last Update:	06-Apr-2012 08:56:23	Calib Date:	23-Oct-2011 18:50:30
Quant Method:	External Standard	Quant By:	Initial Calibration
Last ICal File:	\\Bufchrom\ChromData\HP5890-12\20111023-6917.b\12_143_187.D		
Limit Group:	GC - 8082 PCB ICAL		
Integrator:	Falcon		
Process Host:	CORP-CTX-19		

First Level Reviewer: bescod Date: 06-Apr-2012 08:56:35

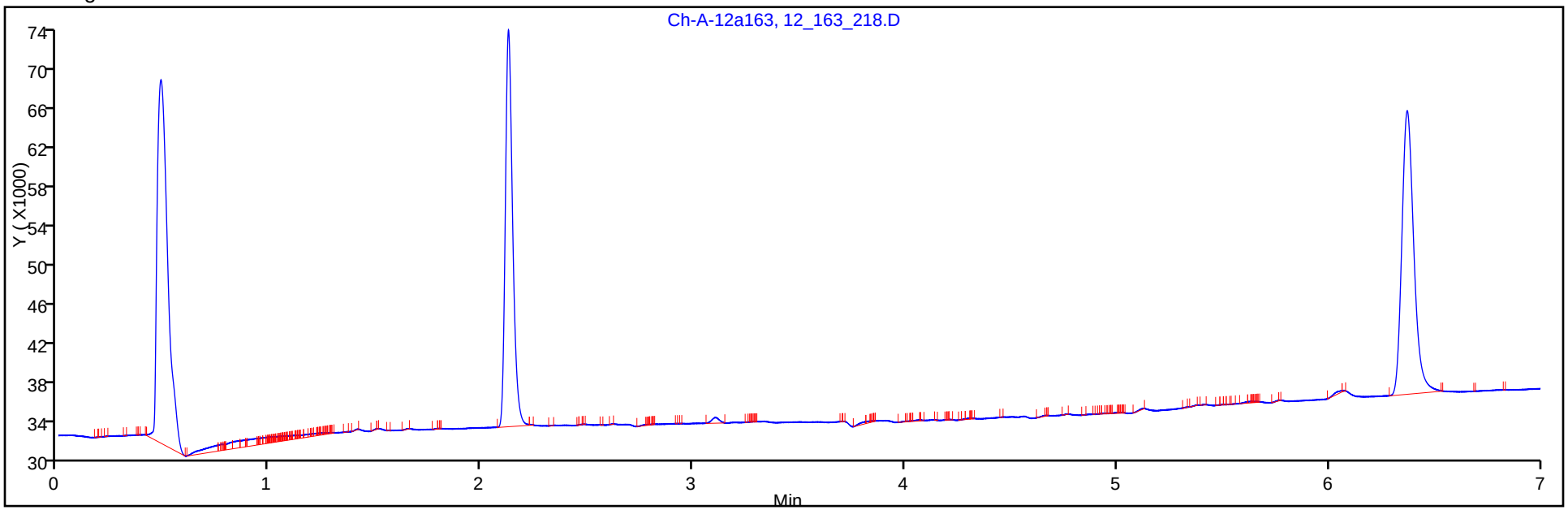
Det	Sig	RT	ADJ RT	DLT RT	Response	On-Col Amt ng/uL	Ratio Range	Ratio	Flags
$ 3 Tetrachloro-m-xylene									
1	1	2.126	2.125	0.001	97083	0.0226			
2	2	1.653	1.653	0.000	115787	0.0211			
						RPD = 6.63			
E 12 DCB Decachlorobiphenyl									
1	1	6.371	6.372	-0.001	113124	0.0245			
2	2	5.769	5.766	0.003	117868	0.0214			
						RPD = 13.39			

Report Date: 06-Apr-2012 08:56:36 Chrom Revision: 2.0 20-Feb-2012 13:27:02

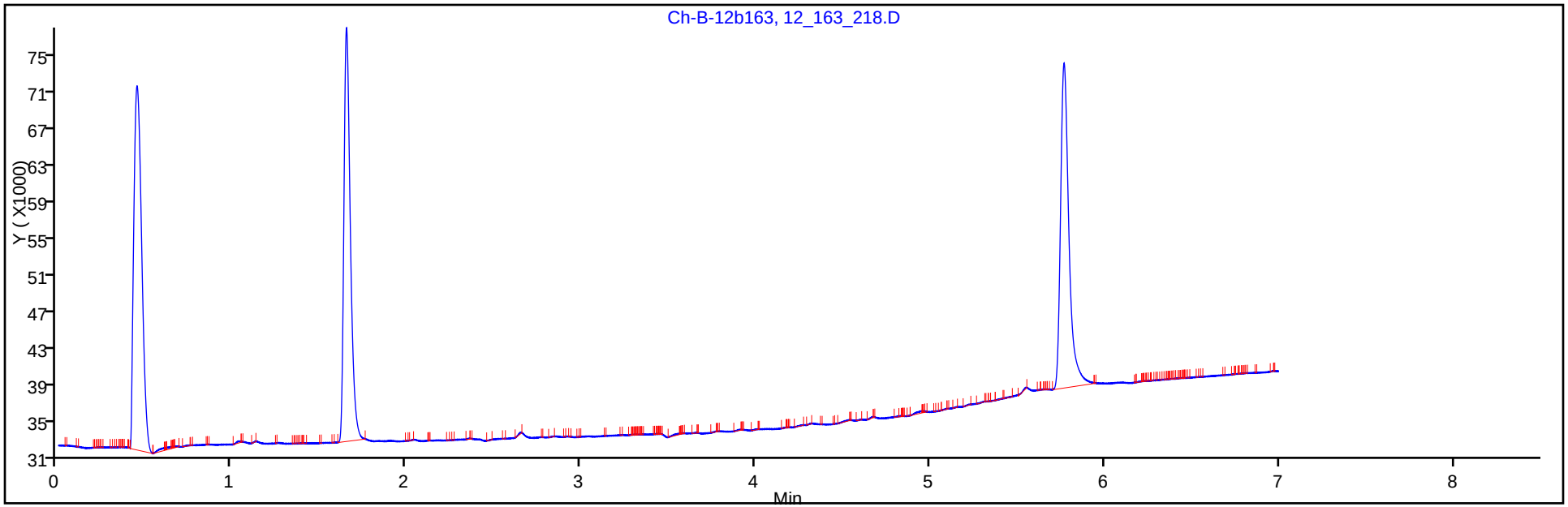
Data File: \\Bufchrom\ChromData\HP5890-12\20120405-10755.b\12_163_218.D

Injection Date:	05-Apr-2012 22:52:41	Limit Group:	GC - 8082 PCB ICAL
Client ID:	RB-06 (6"-12"	Instrument ID:	HP5890-12
Lims Batch ID:	58319	Lims Sample ID:	30
Operator ID:	tchrom	Injection Vol:	1.00 ul

Y Scaling:



Y Scaling:



FORM I
PCBS ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Buffalo | Job No.: 480-18068-1

SDG No.:

Client Sample ID: RB-06 (12"-24") | Lab Sample ID: 480-18068-12

Matrix: Solid | Lab File ID: 12_163_219.D

Analysis Method: 8082 | Date Collected: 04/02/2012 16:35

Extraction Method: 3550B | Date Extracted: 04/05/2012 09:40

Sample wt/vol: +2.60(g) | Date Analyzed: 04/05/2012 23:07

Con. Extract Vol.: 10(mL) | Dilution Factor: 1

Injection Volume: 1(uL) | GC Column: ZB-5 ID: 0.53(mm)

% Moisture: 11.1 | GPC Cleanup:(Y/N) N

Analysis Batch No.: 58319 | Units: ug/Kg

CAS NO.	SURROGATE	%REC	Q	LIMITS
2051-24-3	DCB Decachlorobiphenyl	144		36-182
877-09-8	Tetrachloro-m-xylene	130		24-172

TestAmerica Laboratories
Target Compound Quantitation Report

Data File:	\\Bufchrom\ChromData\HP5890-12\20120405-10755.b\12_163_219.D		
Lims ID:	480-18068-A-12-C	Client ID:	RB-06 (12"-24")
Inject. Date:	05-Apr-2012 23:07:29	Dil. Factor:	1.0000
Sample Type:	Client		
Sample ID:	Name: 480-18068-A-12-C		
Misc. Info.:	Study: 480-0010755-031 Channel B: I/F Serial#, 9205571204		
Operator:	tchrom	Instrument ID:	HP5890-12
Vol. Injected:	1.0000	ALS Bottle#:	0
Lims Batch ID:	58319	Lims Sample ID:	31
Detector 1 :	Ch-A-7A136		
Detector 2 :	Ch-B-7b136		
Method:	\\Bufchrom\ChromData\HP5890-12\20120405-10755.b\hp12_pcb.m		
Last Update:	06-Apr-2012 08:56:23	Calib Date:	23-Oct-2011 18:50:30
Quant Method:	External Standard	Quant By:	Initial Calibration
Last ICal File:	\\Bufchrom\ChromData\HP5890-12\20111023-6917.b\12_143_187.D		
Limit Group:	GC - 8082 PCB ICAL		
Integrator:	Falcon		
Process Host:	CORP-CTX-19		

First Level Reviewer: bescod Date: 06-Apr-2012 08:56:58

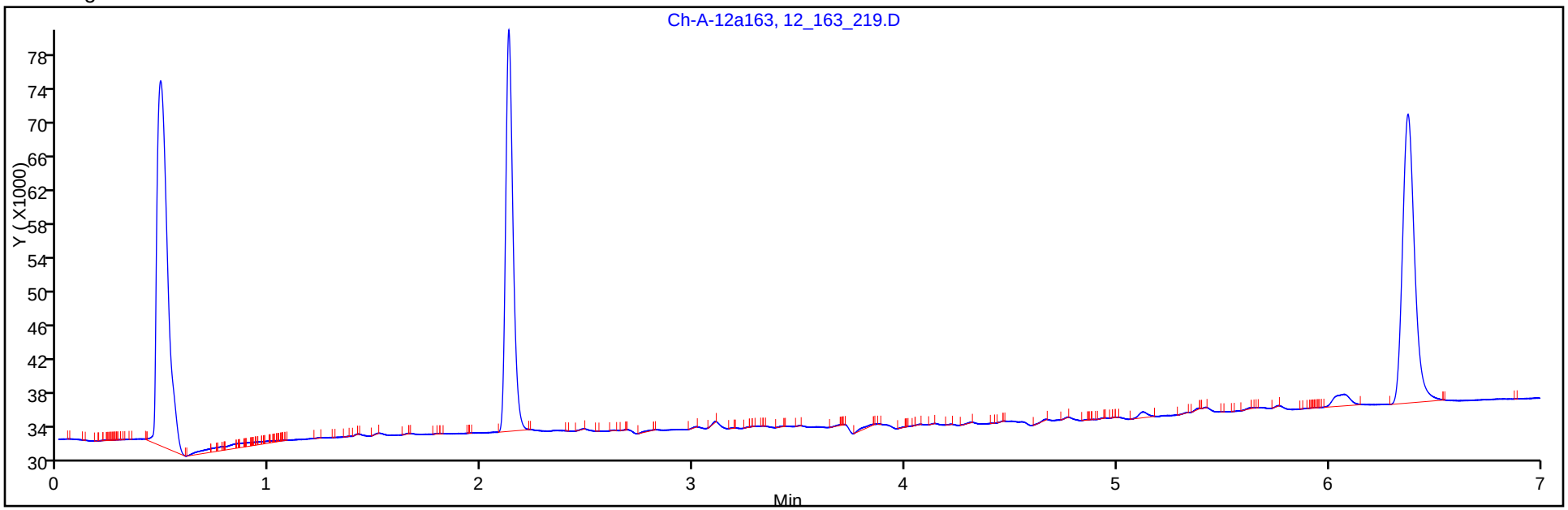
Det	Sig	RT	ADJ RT	DLT RT	Response	On-Col Amt ng/uL	Ratio Range	Ratio	Flags
$ 3 Tetrachloro-m-xylene									
1	1	2.128	2.125	0.003	112823	0.0260			
2	2	1.655	1.653	0.002	134560	0.0244			
						RPD = 6.47			
E 12 DCB Decachlorobiphenyl									
1	1	6.375	6.372	0.003	132852	0.0288			
2	2	5.769	5.766	0.003	140511	0.0255			
						RPD = 11.90			

Report Date: 06-Apr-2012 08:56:59 Chrom Revision: 2.0 20-Feb-2012 13:27:02

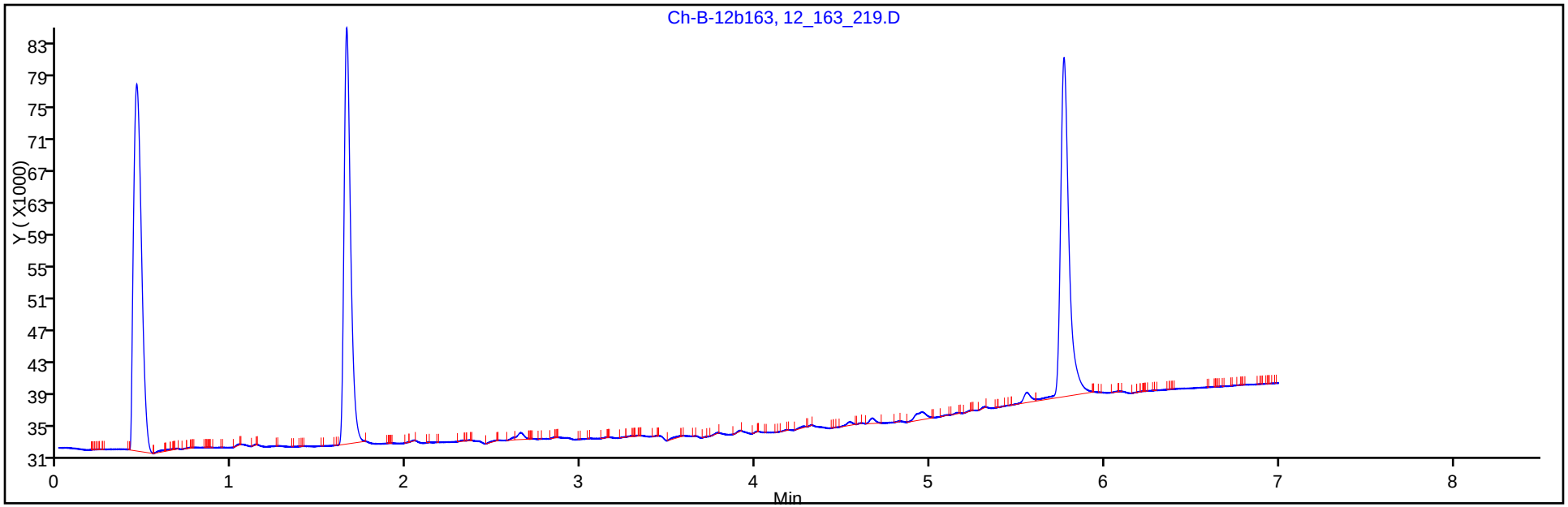
Data File: \\Bufchrom\ChromData\HP5890-12\20120405-10755.b\12_163_219.D

Injection Date:	05-Apr-2012 23:07:29	Limit Group:	GC - 8082 PCB ICAL
Client ID:	RB-06 (12"-24")	Instrument ID:	HP5890-12
Lims Batch ID:	58319	Lims Sample ID:	31
Operator ID:	tchrom	Injection Vol:	1.00 ul

Y Scaling:



Y Scaling:



FORM I
PCBS ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Buffalo | Job No.: 480-18068-1

SDG No.:

Client Sample ID: RB-06 (12"-24") | Lab Sample ID: 480-18068-12

Matrix: Solid | Lab File ID: 12_163_219.D

Analysis Method: 8082 | Date Collected: 04/02/2012 16:35

Extraction Method: 3550B | Date Extracted: 04/05/2012 09:40

Sample wt/vol: +2.60(g) | Date Analyzed: 04/05/2012 23:07

Con. Extract Vol.: 10(mL) | Dilution Factor: 1

Injection Volume: 1(uL) | GC Column: ZB-35 ID: 0.53(mm)

% Moisture: 11.1 | GPC Cleanup:(Y/N) N

Analysis Batch No.: 58319 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
12674-11-2	PCB-1016	ND		220	42
11104-28-2	PCB-1221	ND		220	42
11141-16-5	PCB-1232	ND		220	42
53469-21-9	PCB-1242	ND		220	47
12672-29-6	PCB-1248	ND		220	42
11097-69-1	PCB-1254	ND		220	46
11096-82-5	PCB-1260	ND		220	100

CAS NO.	SURROGATE	%REC	Q	LIMITS
2051-24-3	DCB Decachlorobiphenyl	127		36-182
877-09-8	Tetrachloro-m-xylene	122		24-172

TestAmerica Laboratories
Target Compound Quantitation Report

Data File:	\\Bufchrom\ChromData\HP5890-12\20120405-10755.b\12_163_219.D		
Lims ID:	480-18068-A-12-C	Client ID:	RB-06 (12"-24")
Inject. Date:	05-Apr-2012 23:07:29	Dil. Factor:	1.0000
Sample Type:	Client		
Sample ID:	Name: 480-18068-A-12-C		
Misc. Info.:	Study: 480-0010755-031 Channel B: I/F Serial#, 9205571204		
Operator:	tchrom	Instrument ID:	HP5890-12
Vol. Injected:	1.0000	ALS Bottle#:	0
Lims Batch ID:	58319	Lims Sample ID:	31
Detector 1 :	Ch-A-7A136		
Detector 2 :	Ch-B-7b136		
Method:	\\Bufchrom\ChromData\HP5890-12\20120405-10755.b\hp12_pcb.m		
Last Update:	06-Apr-2012 08:56:23	Calib Date:	23-Oct-2011 18:50:30
Quant Method:	External Standard	Quant By:	Initial Calibration
Last ICal File:	\\Bufchrom\ChromData\HP5890-12\20111023-6917.b\12_143_187.D		
Limit Group:	GC - 8082 PCB ICAL		
Integrator:	Falcon		
Process Host:	CORP-CTX-19		

First Level Reviewer: bescod Date: 06-Apr-2012 08:56:58

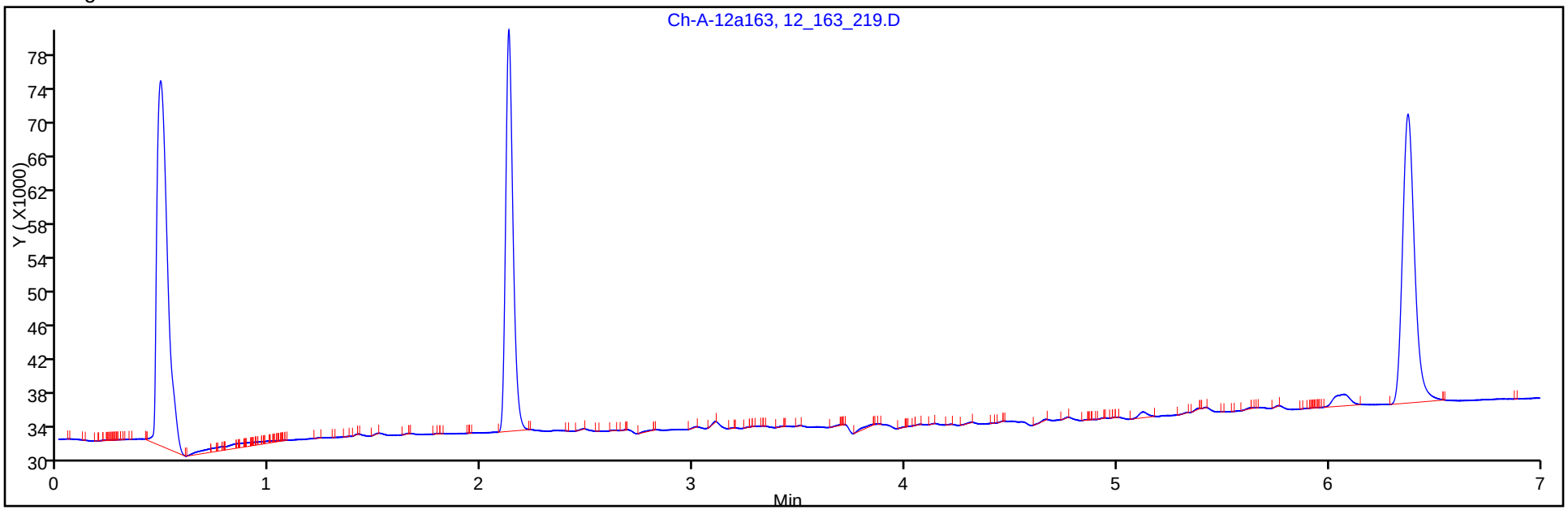
Det	Sig	RT	ADJ RT	DLT RT	Response	On-Col Amt ng/uL	Ratio Range	Ratio	Flags
$ 3 Tetrachloro-m-xylene									
1	1	2.128	2.125	0.003	112823	0.0260			
2	2	1.655	1.653	0.002	134560	0.0244			
						RPD = 6.47			
E 12 DCB Decachlorobiphenyl									
1	1	6.375	6.372	0.003	132852	0.0288			
2	2	5.769	5.766	0.003	140511	0.0255			
						RPD = 11.90			

Report Date: 06-Apr-2012 08:56:59 Chrom Revision: 2.0 20-Feb-2012 13:27:02

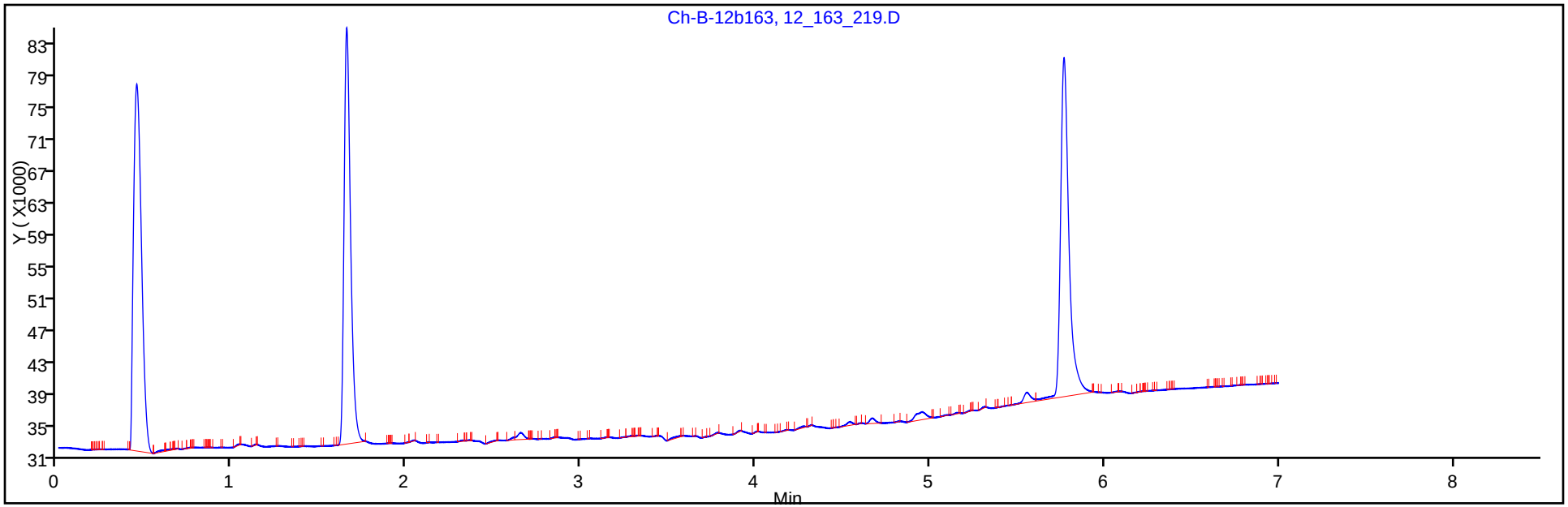
Data File: \\Bufchrom\ChromData\HP5890-12\20120405-10755.b\12_163_219.D

Injection Date:	05-Apr-2012 23:07:29	Limit Group:	GC - 8082 PCB ICAL
Client ID:	RB-06 (12"-24")	Instrument ID:	HP5890-12
Lims Batch ID:	58319	Lims Sample ID:	31
Operator ID:	tchrom	Injection Vol:	1.00 ul

Y Scaling:



Y Scaling:



FORM VI
PCBS INITIAL CALIBRATION DATA
EXTERNAL STANDARD RETENTION TIME SUMMARY

Lab Name: TestAmerica Buffalo Job No.: 480-18068-1 Analy Batch No.: 36827

SDG No.:

Instrument ID: HP5890-12 GC Column: ZB-5 ID: 0.53(mm) Heated Purge: (Y/N) N

Calibration Start Date: 10/23/2011 13:54 Calibration End Date: 10/23/2011 15:23 Calibration ID: 4294

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	STD0025 480-36827/11	12_143_167.D
Level 2	STD005 480-36827/12	12_143_168.D
Level 3	STD01 480-36827/13	12_143_169.D
Level 4	STD025 480-36827/14	12_143_170.D
Level 5	STD05 480-36827/15	12_143_171.D
Level 6	STD1 480-36827/16	12_143_172.D
Level 7	STD2 480-36827/17	12_143_173.D

ANALYTE	LVL 1	LVL 2	LVL 3	LVL 4	LVL 5	LVL 6	LVL 7				RT WINDOW	AVG RT
PCB-1016 Peak 1	2.569	2.569	2.569	2.566	2.569	2.567	2.567				2.537 - 2.597	2.568
PCB-1016 Peak 2	2.705	2.705	2.705	2.703	2.704	2.703	2.703				2.673 - 2.733	2.704
PCB-1016 Peak 3	2.893	2.893	2.893	2.891	2.893	2.891	2.891				2.861 - 2.921	2.892
PCB-1016 Peak 4	2.973	2.971	2.973	2.970	2.972	2.969	2.970				2.940 - 3.000	2.971
PCB-1260 Peak 1	4.726	4.726	4.727	4.725	4.727	4.725	4.725				4.695 - 4.755	4.726
PCB-1260 Peak 2	5.085	5.085	5.087	5.085	5.085	5.085	5.085				5.055 - 5.115	5.085
PCB-1260 Peak 3	5.305	5.305	5.305	5.303	5.304	5.303	5.304				5.274 - 5.334	5.304
PCB-1260 Peak 4	5.755	5.755	5.757	5.755	5.755	5.755	5.756				5.726 - 5.786	5.755
Tetrachloro-m-xylene	2.011	2.013	2.013	2.011	2.013	2.011	2.012				1.982 - 2.042	2.012
DCB Decachlorobiphenyl	6.385	6.387	6.387	6.385	6.387	6.387	6.388				6.328 - 6.448	6.387

FORM VI
PCBS INITIAL CALIBRATION DATA
EXTERNAL STANDARD CURVE EVALUATION

Lab Name: TestAmerica Buffalo Job No.: 480-18068-1 Analy Batch No.: 36827

SDG No.:

Instrument ID: HP5890-12 GC Column: ZB-5 ID: 0.53(mm) Heated Purge: (Y/N) N

Calibration Start Date: 10/23/2011 13:54 Calibration End Date: 10/23/2011 15:23 Calibration ID: 4294

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	STD0025 480-36827/11	12_143_167.D
Level 2	STD005 480-36827/12	12_143_168.D
Level 3	STD01 480-36827/13	12_143_169.D
Level 4	STD025 480-36827/14	12_143_170.D
Level 5	STD05 480-36827/15	12_143_171.D
Level 6	STD1 480-36827/16	12_143_172.D
Level 7	STD2 480-36827/17	12_143_173.D

ANALYTE	CF				CURVE TYPE	COEFFICIENT			#	MIN CF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 5	LVL 2 LVL 6	LVL 3 LVL 7	LVL 4		B	M1	M2								
PCB-1016 Peak 1	250600 232118	266040 174457	255980 200584	217088	Ave		228123.786				14.0		20.0			
PCB-1016 Peak 2	121240 131930	128160 101464	133560 108043	114956	Ave		119907.500				10.0		20.0			
PCB-1016 Peak 3	298160 384050	332420 304356	390870 310848	300364	Ave		331581.143				12.0		20.0			
PCB-1016 Peak 4	94480 160724	127900 124491	177430 130373	120896	Ave		133756.286				20.0		20.0			
PCB-1260 Peak 1	251520 309564	266400 258985	315530 272557	231244	Ave		272257.143				11.0		20.0			
PCB-1260 Peak 2	444480 489124	454880 394053	486070 401453	400220	Ave		438611.429				9.3		20.0			
PCB-1260 Peak 3	124600 206934	201560 169567	212590 172985	150964	Ave		177028.500				18.0		20.0			
PCB-1260 Peak 4	112200 139276	163660 110995	120740 108033	113876	Ave		124111.429				16.0		20.0			
Tetrachloro-m-xylene	3086400 4800167	3170400 4436625	3144600 4440620	3931000	Lin1	-5964.7035	4564367.78							0.9920		0.9900
DCB Decachlorobiphenyl	4640400 4915167	5996800 4437500	3910900 4211880	4210050	Ave		4617528.10				15.0		20.0			

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

FORM VI
PCBS INITIAL CALIBRATION DATA
EXTERNAL STANDARD RESPONSE AND CONCENTRATION

Lab Name: TestAmerica Buffalo Job No.: 480-18068-1 Analy Batch No.: 36827

SDG No.:

Instrument ID: HP5890-12 GC Column: ZB-5 ID: 0.53(mm) Heated Purge: (Y/N) N

Calibration Start Date: 10/23/2011 13:54 Calibration End Date: 10/23/2011 15:23 Calibration ID: 4294

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	STD0025 480-36827/11	12_143_167.D
Level 2	STD005 480-36827/12	12_143_168.D
Level 3	STD01 480-36827/13	12_143_169.D
Level 4	STD025 480-36827/14	12_143_170.D
Level 5	STD05 480-36827/15	12_143_171.D
Level 6	STD1 480-36827/16	12_143_172.D
Level 7	STD2 480-36827/17	12_143_173.D

ANALYTE	CURVE TYPE	RESPONSE					CONCENTRATION (NG/UL)				
		LVL 1 LVL 6	LVL 2 LVL 7	LVL 3	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3	LVL 4	LVL 5
PCB-1016 Peak 1	Ave	6265 174457	13302 401167	25598	54272	116059	0.0250 1.00	0.0500 2.00	0.100	0.250	0.500
PCB-1016 Peak 2	Ave	3031 101464	6408 216085	13356	28739	65965	0.0250 1.00	0.0500 2.00	0.100	0.250	0.500
PCB-1016 Peak 3	Ave	7454 304356	16621 621696	39087	75091	192025	0.0250 1.00	0.0500 2.00	0.100	0.250	0.500
PCB-1016 Peak 4	Ave	2362 124491	6395 260746	17743	30224	80362	0.0250 1.00	0.0500 2.00	0.100	0.250	0.500
PCB-1260 Peak 1	Ave	6288 258985	13320 545114	31553	57811	154782	0.0250 1.00	0.0500 2.00	0.100	0.250	0.500
PCB-1260 Peak 2	Ave	11112 394053	22744 802906	48607	100055	244562	0.0250 1.00	0.0500 2.00	0.100	0.250	0.500
PCB-1260 Peak 3	Ave	3115 169567	10078 345969	21259	37741	103467	0.0250 1.00	0.0500 2.00	0.100	0.250	0.500
PCB-1260 Peak 4	Ave	2805 110995	8183 216066	12074	28469	69638	0.0250 1.00	0.0500 2.00	0.100	0.250	0.500
Tetrachloro-m-xylene	Lin1	7716 177465	15852 222031	31446	78620	144005	0.00250 0.0400	0.00500 0.0500	0.0100	0.0200	0.0300
DCB Decachlorobiphenyl	Ave	11601 177500	29984 210594	39109	84201	147455	0.00250 0.0400	0.00500 0.0500	0.0100	0.0200	0.0300

Curve Type Legend:

Ave = Average
Lin1 = Linear 1/conc

TestAmerica Laboratories
Target Compound Quantitation Report

Data File: \\Bufchrom\ChromData\HP5890-12\20111023-6917.b\12_143_167.D
Lims ID: std0025 Client ID:
Inject. Date: 23-Oct-2011 13:54:44 Dil. Factor: 1.0000
Sample Type: IC Calib Level: 7
Sample ID:
Misc. Info.: Study: 480-0006862-028 Channel B: I/F Serial#, 9205571204
Operator: tchrom Instrument ID: HP5890-12
Vol. Injected: 1.0000 ALS Bottle#: 0
Lims Batch ID: 36827 Lims Sample ID: 11
Sublist: chrom-hp12_pcb*sub1
Detector 1 : Ch-A-7A136
Detector 2 : Ch-B-7b136

Method: \\Bufchrom\ChromData\HP5890-12\20111023-6917.b\hp12_pcb.m
Last Update: 24-Oct-2011 18:40:05 Calib Date: 23-Oct-2011 18:50:30
Quant Method: External Standard Quant By: Initial Calibration
Last ICal File: \\Bufchrom\ChromData\HP5890-12\20111023-6917.b\12_143_187.D
Limit Group: GC - 8082 PCB ICAL
Integrator: Falcon
Process Host: CORP-CTX-19

First Level Reviewer: michalej Date: 24-Oct-2011 18:40:05

Det	Sig	RT	ADJ RT	DLT RT	Response	On-Col Amt ng/uL	Ratio Range	Ratio	Flags
$ 3 Tetrachloro-m-xylene									
1	1	2.011	2.012	-0.001	7716	0.002997			
2	2	1.571	1.570	0.001	10462	0.002795			
						RPD = 6.98			
6 PCB-1016									
1	1	2.569	2.567	0.002	6265	0.0275		100.0	
1	2	2.705	2.703	0.002	3031	0.0253	23.9- 83.9	48.4	
1	3	2.893	2.891	0.002	7454	0.0225	125.0- 185.0	119.0	
1	4	2.973	2.970	0.003	2362	0.0177	35.0- 95.0	37.7	
			Average of Peak Amounts =			0.0232			
2	5	2.241	2.239	0.002	8224	0.0272		100.0	
2	6	2.528	2.527	0.001	11875	0.0252	147.0- 207.0	144.4	
2	7	2.636	2.635	0.001	4760	0.0235	46.8- 106.8	57.9	
2	8	2.983	2.981	0.002	6910	0.0285	60.1- 120.1	84.0	
			Average of Peak Amounts =			0.0261			
						RPD = 11.75			
9 PCB-1260									M
1	1	4.726	4.725	0.001	6288	0.0231		100.0	
1	2	5.085	5.085	0.000	11112	0.0253	117.3- 177.3	176.7	
1	3	5.305	5.304	0.001	3115	0.0176	33.5- 93.5	49.5	
1	4	5.755	5.756	-0.001	2805	0.0226	9.6- 69.6	44.6	M
			Average of Peak Amounts =			0.0222			
2	5	4.532	4.531	0.001	6904	0.0282		100.0	
2	6	4.663	4.662	0.001	15293	0.0273	199.7- 259.7	221.5	
2	7	4.966	4.965	0.001	13884	0.0253	180.5- 240.5	201.1	
2	8	5.337	5.334	0.003	2990	0.0213	34.9- 94.9	43.3	
			Average of Peak Amounts =			0.0255			
						RPD = 14.15			

Det	Sig	RT	ADJ RT	DLT RT	Response	On-Col Amt ng/uL	Ratio Range	Ratio	Flags
E 12 DCB Decachlorobiphenyl									
1	1	6.385	6.388	-0.003	11601	0.002512			
2	2	5.823	5.824	-0.001	15486	0.002815			
						RPD = 11.35			

QC Flag Legend

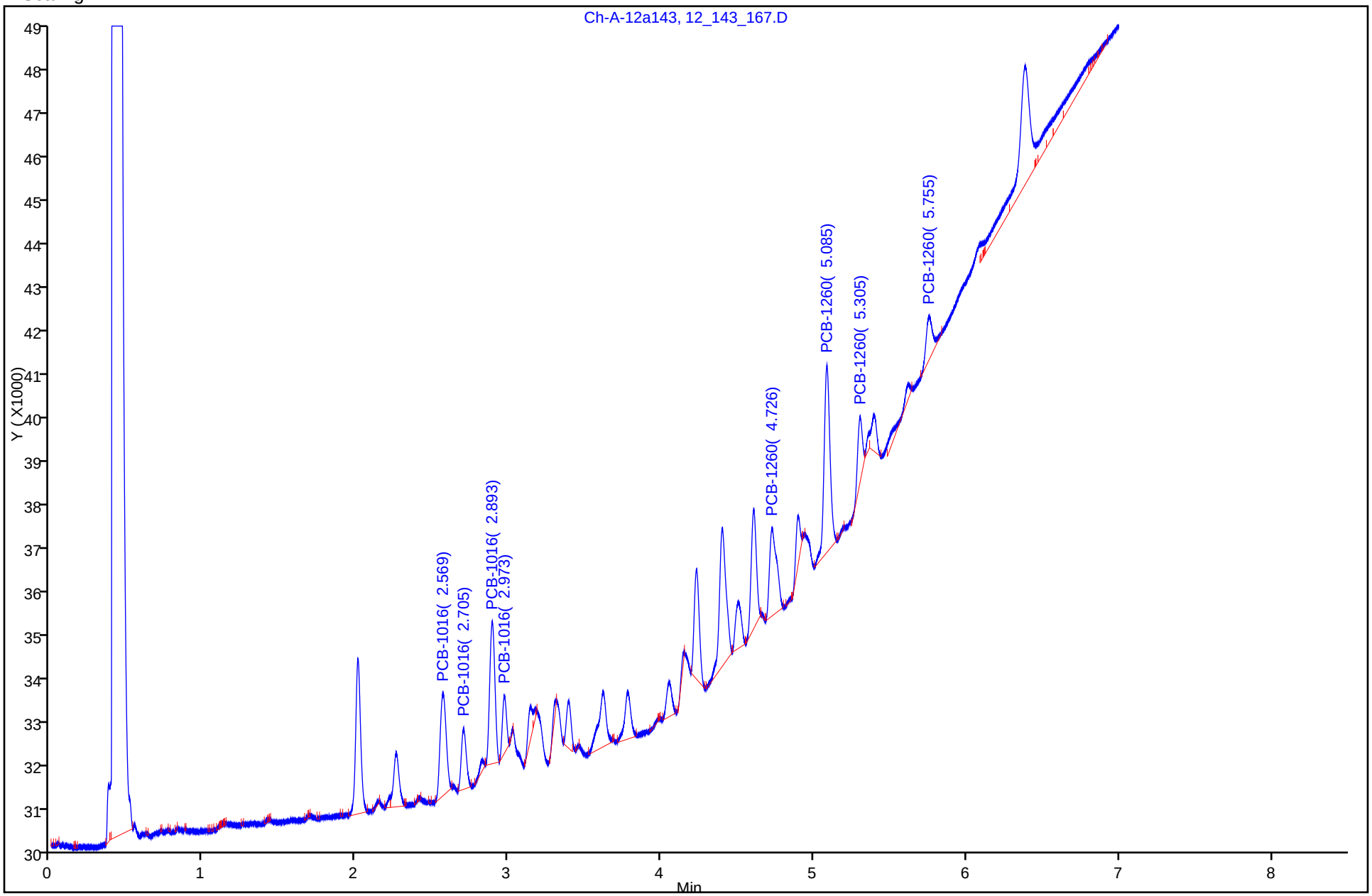
Review Flags
M - Manually Integrated

Report Date: 24-Oct-2011 18:40:06 Chrom Revision: 2.0 01-Sep-2011 14:10:00

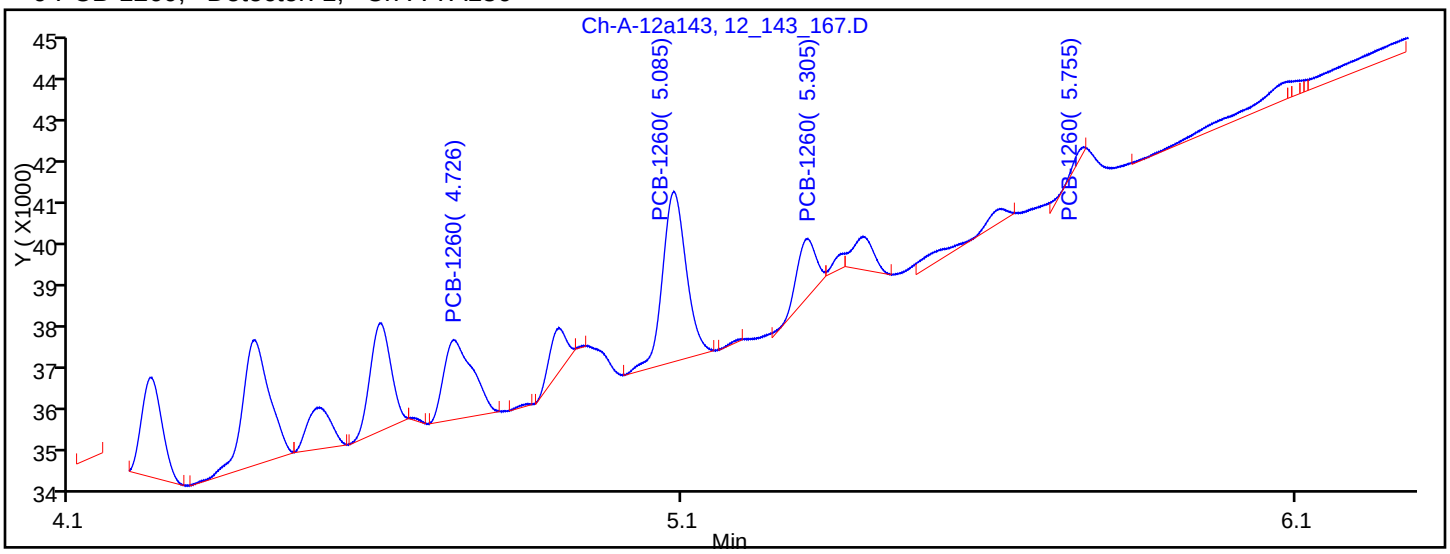
Data File: \\Bufchrom\ChromData\HP5890-12\20111023-6917.b\12_143_167.D

Injection Date:	23-Oct-2011 13:54:44	Limit Group:	GC - 8082 PCB ICAL
Client ID:		Instrument ID:	HP5890-12
Lims Batch ID:	36827	Lims Sample ID:	11
Operator ID:	tchrom	Injection Vol:	1.00 ul

Y Scaling:

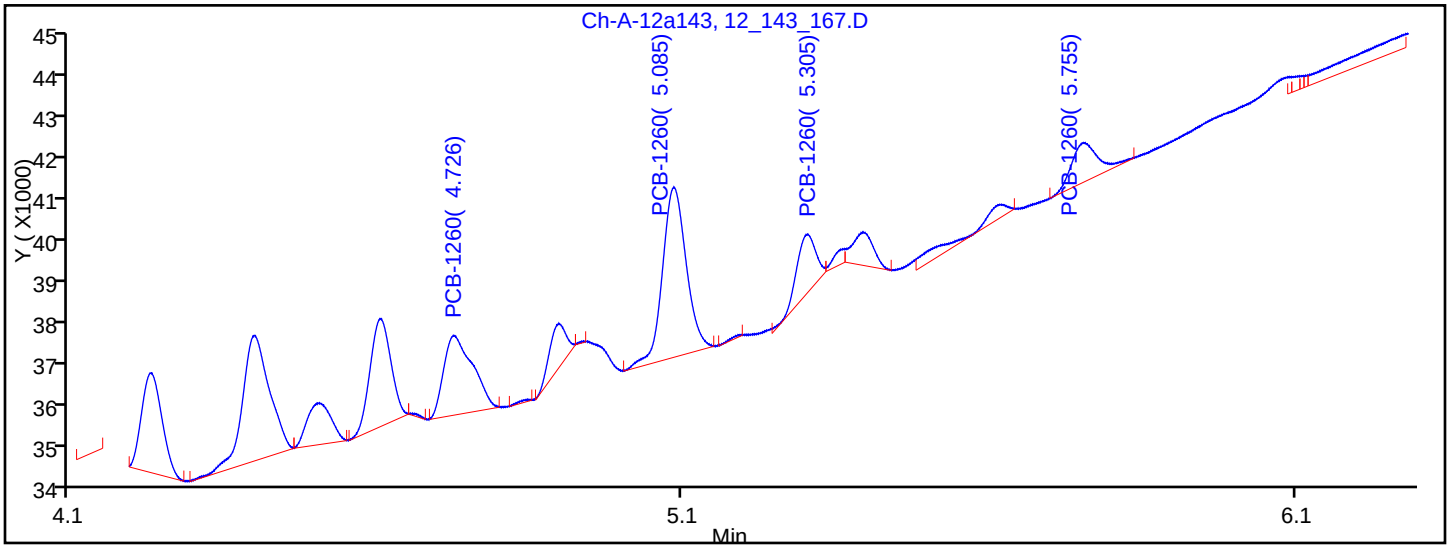


Report Date: 24-Oct-2011 18:40:06 Chrom Revision: 2.0 01-Sep-2011 14:10:00
Data File: \\Bufchrom\ChromData\HP5890-12\20111023-6917.b\12_143_167.D
Injection Date: 23-Oct-2011 13:54:44 Limit Group: GC - 8082 PCB ICAL
Client ID: Instrument ID: HP5890-12
Lims Batch ID: 36827 Lims Sample ID: 11
Operator ID: tchrom Injection Vol: 1.00 ul
9 PCB-1260, Detector: 1, Ch-A-7A136



Processing Integration Results

RT = 4.726	Response = 6288	
RT = 5.085	Response = 11112	
RT = 5.305	Response = 3115	
RT = 5.755	Response = 414	M



Manual Integration Results

RT = 4.726	Response = 6288	
RT = 5.085	Response = 11112	
RT = 5.305	Response = 3115	
RT = 5.755	Response = 2805	M

Reviewer: RudzG, 24-Oct-2011 17:41:24
Audit Action: Manually Integrated
Audit Reason: Incomplete Integration

TestAmerica Laboratories
Target Compound Quantitation Report

Data File: \\Bufchrom\ChromData\HP5890-12\20111023-6917.b\12_143_168.D
Lims ID: STD005 Client ID:
Inject. Date: 23-Oct-2011 14:09:27 Dil. Factor: 1.0000
Sample Type: IC Calib Level: 6
Sample ID:
Misc. Info.: Study: 480-0006862-029 Channel B: I/F Serial#, 9205571204
Operator: tchrom Instrument ID: HP5890-12
Vol. Injected: 1.0000 ALS Bottle#: 0
Lims Batch ID: 36827 Lims Sample ID: 12
Sublist: chrom-hp12_pcb*sub1
Detector 1 : Ch-A-7A136
Detector 2 : Ch-B-7b136

Method: \\Bufchrom\ChromData\HP5890-12\20111023-6917.b\hp12_pcb.m
Last Update: 24-Oct-2011 18:40:10 Calib Date: 23-Oct-2011 18:50:30
Quant Method: External Standard Quant By: Initial Calibration
Last ICal File: \\Bufchrom\ChromData\HP5890-12\20111023-6917.b\12_143_187.D
Limit Group: GC - 8082 PCB ICAL
Integrator: Falcon
Process Host: CORP-CTX-19

First Level Reviewer: michalej Date: 24-Oct-2011 18:40:10

Det	Sig	RT	ADJ RT	DLT RT	Response	On-Col Amt ng/uL	Ratio Range	Ratio	Flags
$ 3 Tetrachloro-m-xylene									
1	1	2.013	2.012	0.001	15852	0.004780			
2	2	1.570	1.570	0.000	22151	0.004829			
						RPD = 1.03			
6 PCB-1016									
1	1	2.569	2.567	0.002	13302	0.0583		100.0	
1	2	2.705	2.703	0.002	6408	0.0534	23.9- 83.9	48.2	
1	3	2.893	2.891	0.002	16621	0.0501	125.0- 185.0	125.0	
1	4	2.971	2.970	0.001	6395	0.0478	35.0- 95.0	48.1	
			Average of Peak Amounts =			0.0524			
2	5	2.241	2.239	0.002	17692	0.0586		100.0	
2	6	2.528	2.527	0.001	26604	0.0565	147.0- 207.0	150.4	
2	7	2.635	2.635	0.000	11273	0.0557	46.8- 106.8	63.7	
2	8	2.982	2.981	0.001	12810	0.0528	60.1- 120.1	72.4	
			Average of Peak Amounts =			0.0559			
						RPD = 6.43			
9 PCB-1260									
1	1	4.726	4.725	0.001	13320	0.0489		100.0	
1	2	5.085	5.085	0.000	22744	0.0519	117.3- 177.3	170.8	
1	3	5.305	5.304	0.001	10078	0.0569	33.5- 93.5	75.7	
1	4	5.755	5.756	-0.001	8183	0.0659	9.6- 69.6	61.4	
			Average of Peak Amounts =			0.0559			
2	5	4.531	4.531	0.000	11031	0.0450		100.0	
2	6	4.663	4.662	0.001	25005	0.0446	199.7- 259.7	226.7	
2	7	4.966	4.965	0.001	29927	0.0546	180.5- 240.5	271.3	
2	8	5.333	5.334	-0.001	6565	0.0468	34.9- 94.9	59.5	
			Average of Peak Amounts =			0.0478			
						RPD = 15.71			

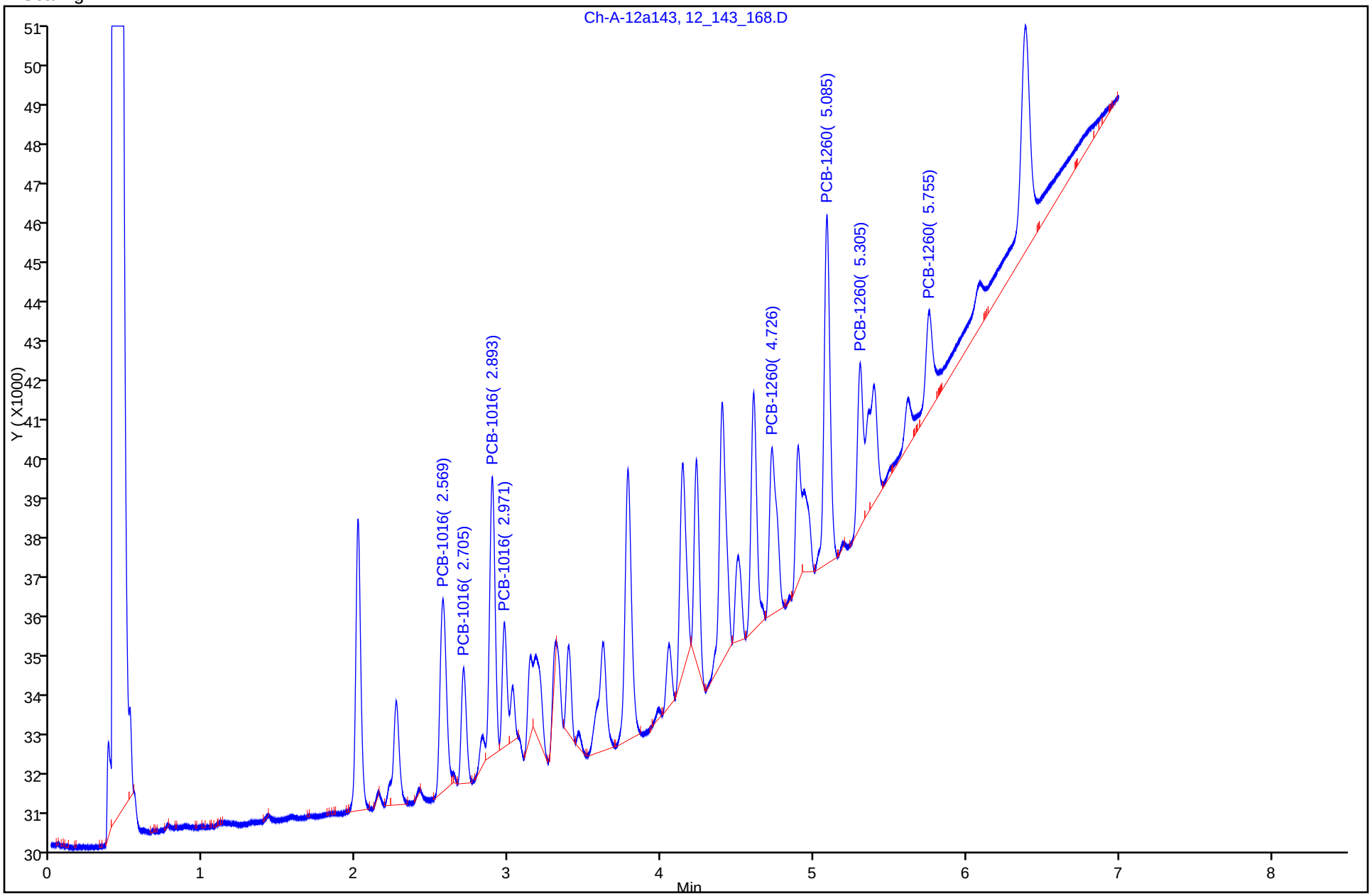
Det	Sig	RT	ADJ RT	DLT RT	Response	On-Col Amt ng/uL	Ratio Range	Ratio	Flags
E 12 DCB Decachlorobiphenyl									
1	1	6.387	6.388	-0.001	29984	0.006494			
2	2	5.824	5.824	0.000	23172	0.004212			
						RPD = 42.63			

Report Date: 24-Oct-2011 18:40:10 Chrom Revision: 2.0 01-Sep-2011 14:10:00

Data File: \\Bufchrom\ChromData\HP5890-12\20111023-6917.b\12_143_168.D

Injection Date:	23-Oct-2011 14:09:27	Limit Group:	GC - 8082 PCB ICAL
Client ID:		Instrument ID:	HP5890-12
Lims Batch ID:	36827	Lims Sample ID:	12
Operator ID:	tchrom	Injection Vol:	1.00 ul

Y Scaling:



TestAmerica Laboratories
Target Compound Quantitation Report

Data File: \\Bufchrom\ChromData\HP5890-12\20111023-6917.b\12_143_169.D
Lims ID: std01 Client ID:
Inject. Date: 23-Oct-2011 14:24:13 Dil. Factor: 1.0000
Sample Type: IC Calib Level: 5
Sample ID:
Misc. Info.: Study: 480-0006862-030 Channel B: I/F Serial#, 9205571204
Operator: tchrom Instrument ID: HP5890-12
Vol. Injected: 1.0000 ALS Bottle#: 0
Lims Batch ID: 36827 Lims Sample ID: 13
Sublist: chrom-hp12_pcb*sub1
Detector 1 : Ch-A-7A136
Detector 2 : Ch-B-7b136

Method: \\Bufchrom\ChromData\HP5890-12\20111023-6917.b\hp12_pcb.m
Last Update: 24-Oct-2011 18:43:49 Calib Date: 23-Oct-2011 18:50:30
Quant Method: External Standard Quant By: Initial Calibration
Last ICal File: \\Bufchrom\ChromData\HP5890-12\20111023-6917.b\12_143_187.D
Limit Group: GC - 8082 PCB ICAL
Integrator: Falcon
Process Host: CORP-CTX-19

First Level Reviewer: michalej Date: 24-Oct-2011 18:39:59

Det	Sig	RT	ADJ RT	DLT RT	Response	On-Col Amt ng/uL	Ratio Range	Ratio	Flags
$ 3 Tetrachloro-m-xylene									
1	1	2.013	2.012	0.001	31446	0.008196			
2	2	1.569	1.570	-0.001	43364	0.008522			
						RPD = 3.89			
6 PCB-1016									
1	1	2.569	2.567	0.002	25598	0.1122		100.0	
1	2	2.705	2.703	0.002	13356	0.1114	23.9- 83.9	52.2	
1	3	2.893	2.891	0.002	39087	0.1179	125.0- 185.0	152.7	
1	4	2.973	2.970	0.003	17743	0.1327	35.0- 95.0	69.3	
			Average of Peak Amounts =			0.1185			
2	5	2.240	2.239	0.001	36250	0.1200		100.0	
2	6	2.528	2.527	0.001	53861	0.1145	147.0- 207.0	148.6	
2	7	2.635	2.635	0.000	23888	0.1180	46.8- 106.8	65.9	
2	8	2.982	2.981	0.001	27311	0.1126	60.1- 120.1	75.3	
			Average of Peak Amounts =			0.1163			
						RPD = 1.92			
9 PCB-1260									
1	1	4.727	4.725	0.002	31553	0.1159		100.0	
1	2	5.087	5.085	0.002	48607	0.1108	117.3- 177.3	154.0	
1	3	5.305	5.304	0.001	21259	0.1201	33.5- 93.5	67.4	
1	4	5.757	5.756	0.001	12074	0.0973	9.6- 69.6	38.3	
			Average of Peak Amounts =			0.1110			
2	5	4.530	4.531	-0.001	27866	0.1138		100.0	
2	6	4.661	4.662	-0.001	64871	0.1157	199.7- 259.7	232.8	
2	7	4.964	4.965	-0.001	62510	0.1140	180.5- 240.5	224.3	
2	8	5.333	5.334	-0.001	18955	0.1353	34.9- 94.9	68.0	
			Average of Peak Amounts =			0.1197			
						RPD = 7.51			

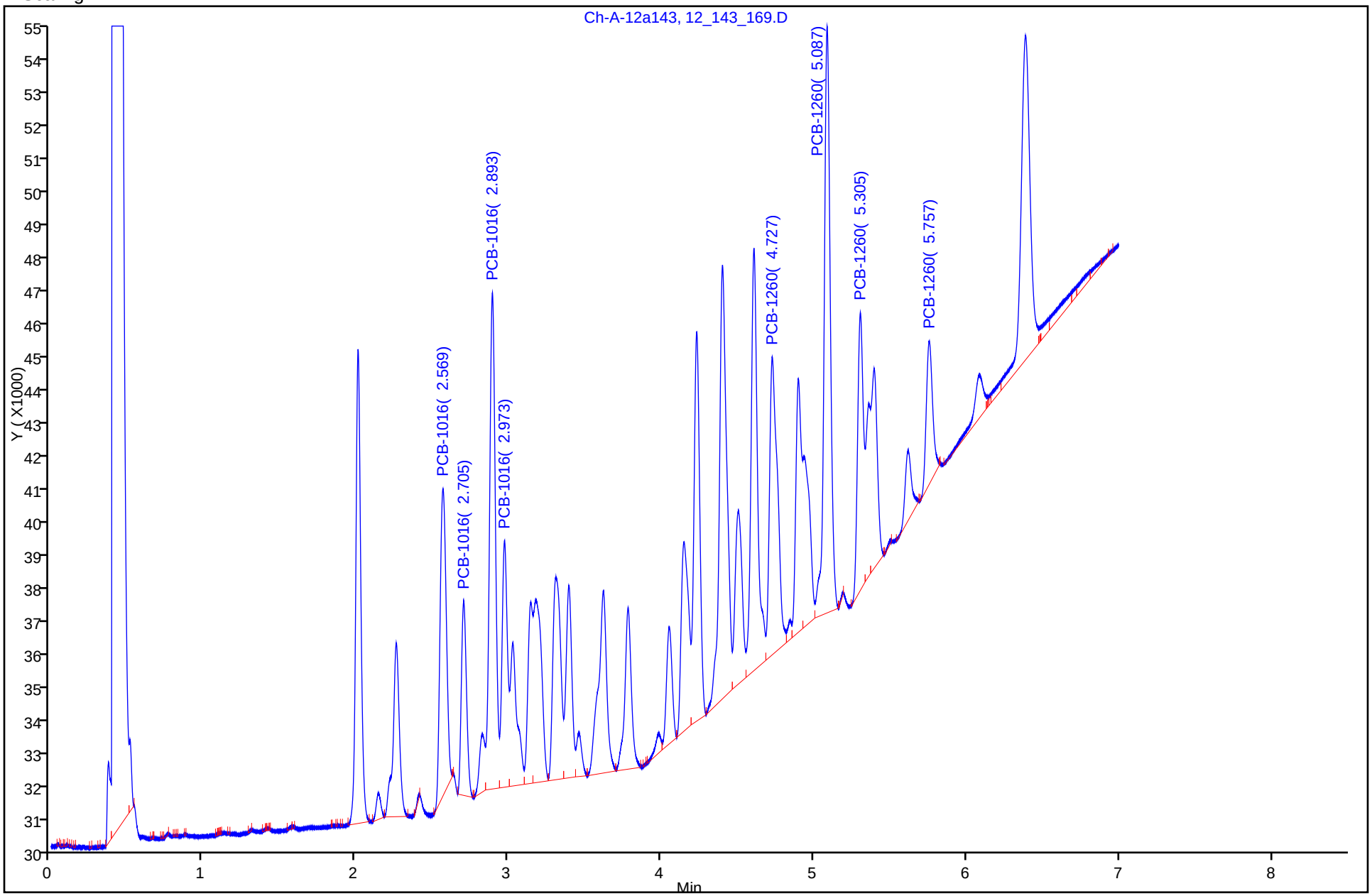
Det	Sig	RT	ADJ RT	DLT RT	Response	On-Col Amt ng/uL	Ratio Range	Ratio	Flags
E 12 DCB Decachlorobiphenyl									
1	1	6.387	6.388	-0.001	39109	0.008470			
2	2	5.823	5.824	-0.001	59038	0.0107			
						RPD = 23.55			

Report Date: 24-Oct-2011 18:43:49 Chrom Revision: 2.0 01-Sep-2011 14:10:00

Data File: \\Bufchrom\ChromData\HP5890-12\20111023-6917.b\12_143_169.D

Injection Date:	23-Oct-2011 14:24:13	Limit Group:	GC - 8082 PCB ICAL
Client ID:		Instrument ID:	HP5890-12
Lims Batch ID:	36827	Lims Sample ID:	13
Operator ID:	tchrom	Injection Vol:	1.00 ul

Y Scaling:



TestAmerica Laboratories
Target Compound Quantitation Report

Data File: \\Bufchrom\ChromData\HP5890-12\20111023-6917.b\12_143_170.D
Lims ID: STD025 Client ID:
Inject. Date: 23-Oct-2011 14:38:59 Dil. Factor: 1.0000
Sample Type: IC Calib Level: 4
Sample ID:
Misc. Info.: Study: 480-0006862-031 Channel B: I/F Serial#, 9205571204
Operator: tchrom Instrument ID: HP5890-12
Vol. Injected: 1.0000 ALS Bottle#: 0
Lims Batch ID: 36827 Lims Sample ID: 14
Sublist: chrom-hp12_pcb*sub1
Detector 1 : Ch-A-7A136
Detector 2 : Ch-B-7b136

Method: \\Bufchrom\ChromData\HP5890-12\20111023-6917.b\hp12_pcb.m
Last Update: 24-Oct-2011 18:39:56 Calib Date: 23-Oct-2011 18:50:30
Quant Method: External Standard Quant By: Initial Calibration
Last ICal File: \\Bufchrom\ChromData\HP5890-12\20111023-6917.b\12_143_187.D
Limit Group: GC - 8082 PCB ICAL
Integrator: Falcon
Process Host: CORP-CTX-19

First Level Reviewer: michalej Date: 24-Oct-2011 18:39:56

Det	Sig	RT	ADJ RT	DLT RT	Response	On-Col Amt ng/uL	Ratio Range	Ratio	Flags
$ 3 Tetrachloro-m-xylene									
1	1	2.011	2.012	-0.001	78620	0.0185			
2	2	1.569	1.570	-0.001	106251	0.0195			
						RPD = 4.92			
6 PCB-1016									
1	1	2.566	2.567	-0.001	54272	0.2379		100.0	
1	2	2.703	2.703	0.000	28739	0.2397	23.9- 83.9	53.0	
1	3	2.891	2.891	0.000	75091	0.2265	125.0- 185.0	138.4	
1	4	2.970	2.970	0.000	30224	0.2260	35.0- 95.0	55.7	
			Average of Peak Amounts =			0.2325			
2	5	2.240	2.239	0.001	73607	0.2437		100.0	
2	6	2.528	2.527	0.001	113640	0.2415	147.0- 207.0	154.4	
2	7	2.635	2.635	0.000	50531	0.2497	46.8- 106.8	68.6	
2	8	2.981	2.981	0.000	58783	0.2424	60.1- 120.1	79.9	
			Average of Peak Amounts =			0.2443			
						RPD = 4.95			
9 PCB-1260									
1	1	4.725	4.725	0.000	57811	0.2123		100.0	
1	2	5.085	5.085	0.000	100055	0.2281	117.3- 177.3	173.1	
1	3	5.303	5.304	-0.001	37741	0.2132	33.5- 93.5	65.3	
1	4	5.755	5.756	-0.001	28469	0.2294	9.6- 69.6	49.2	
			Average of Peak Amounts =			0.2208			
2	5	4.530	4.531	-0.001	58910	0.2405		100.0	
2	6	4.662	4.662	0.000	135821	0.2423	199.7- 259.7	230.6	
2	7	4.965	4.965	0.000	133574	0.2436	180.5- 240.5	226.7	
2	8	5.333	5.334	-0.001	30182	0.2154	34.9- 94.9	51.2	
			Average of Peak Amounts =			0.2354			
						RPD = 6.44			

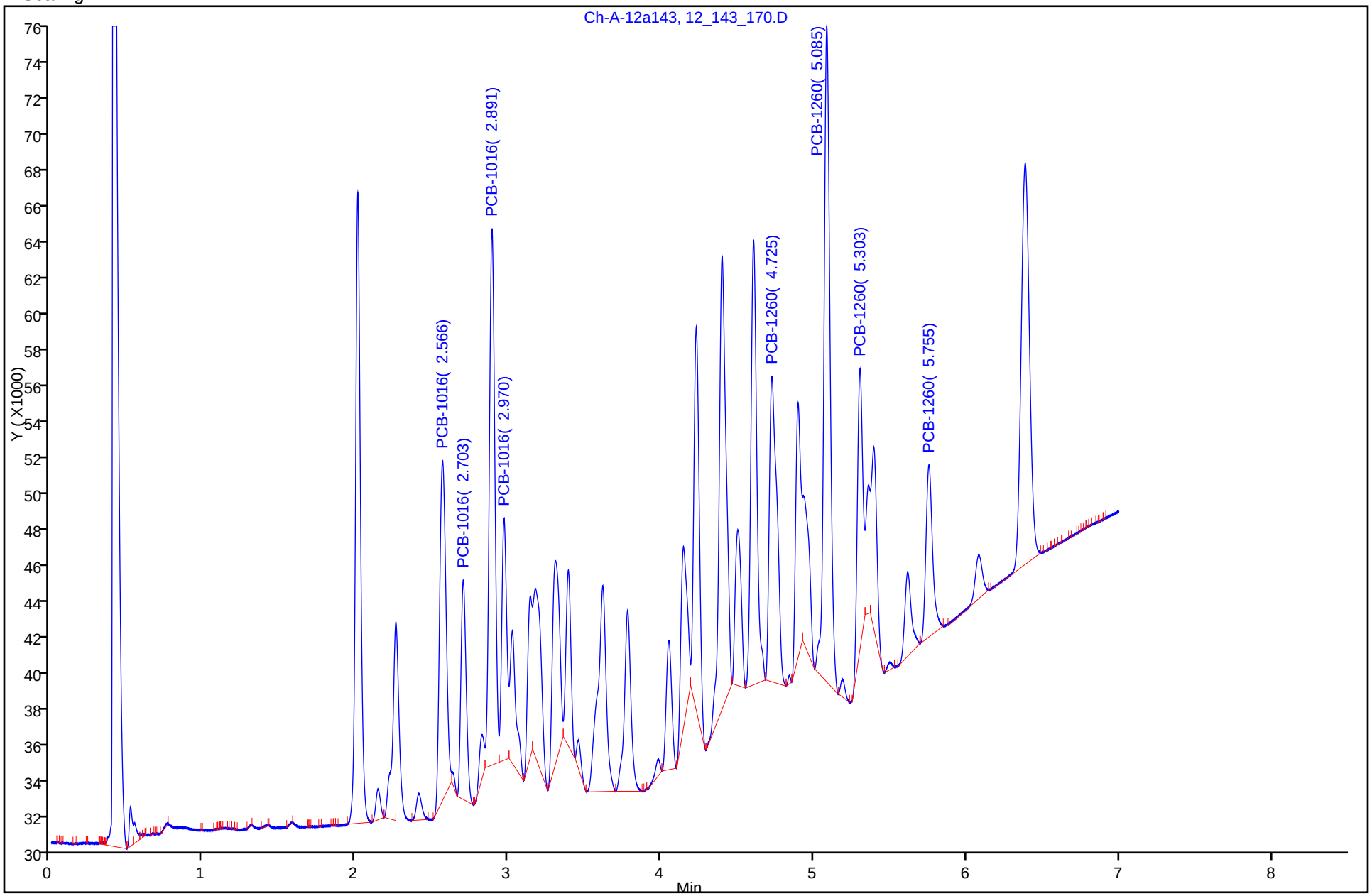
Det	Sig	RT	ADJ RT	DLT RT	Response	On-Col Amt ng/uL	Ratio Range	Ratio	Flags
E 12 DCB Decachlorobiphenyl									
1	1	6.385	6.388	-0.003	84201	0.0182			
2	2	5.823	5.824	-0.001	106019	0.0193			
						RPD = 5.52			

Report Date: 24-Oct-2011 18:39:56 Chrom Revision: 2.0 01-Sep-2011 14:10:00

Data File: \\Bufchrom\ChromData\HP5890-12\20111023-6917.b\12_143_170.D

Injection Date:	23-Oct-2011 14:38:59	Limit Group:	GC - 8082 PCB ICAL
Client ID:		Instrument ID:	HP5890-12
Lims Batch ID:	36827	Lims Sample ID:	14
Operator ID:	tchrom	Injection Vol:	1.00 ul

Y Scaling:



TestAmerica Laboratories
Target Compound Quantitation Report

Data File: \\Bufchrom\ChromData\HP5890-12\20111023-6917.b\12_143_171.D
Lims ID: std05 Client ID:
Inject. Date: 23-Oct-2011 14:53:45 Dil. Factor: 1.0000
Sample Type: IC Calib Level: 3
Sample ID:
Misc. Info.: Study: 480-0006862-032 Channel B: I/F Serial#, 9205571204
Operator: tchrom Instrument ID: HP5890-12
Vol. Injected: 1.0000 ALS Bottle#: 0
Lims Batch ID: 36827 Lims Sample ID: 15
Sublist: chrom-hp12_pcb*sub1
Detector 1 : Ch-A-7A136
Detector 2 : Ch-B-7b136

Method: \\Bufchrom\ChromData\HP5890-12\20111023-6917.b\hp12_pcb.m
Last Update: 24-Oct-2011 20:35:24 Calib Date: 23-Oct-2011 18:50:30
Quant Method: External Standard Quant By: Initial Calibration
Last ICal File: \\Bufchrom\ChromData\HP5890-12\20111023-6917.b\12_143_187.D
Limit Group: GC - 8082 PCB ICAL
Integrator: Falcon
Process Host: CORP-CTX-19

First Level Reviewer: michalej Date: 24-Oct-2011 20:35:24

Det	Sig	RT	ADJ RT	DLT RT	Response	On-Col Amt ng/uL	Ratio Range	Ratio	Flags
$ 3 Tetrachloro-m-xylene									
1	1	2.013	2.012	0.001	144005	0.0329			
2	2	1.570	1.570	0.000	188312	0.0337			
						RPD = 2.68			
6 PCB-1016									
1	1	2.569	2.567	0.002	116059	0.5088		100.0	
1	2	2.704	2.703	0.001	65965	0.5501	23.9- 83.9	56.8	
1	3	2.893	2.891	0.002	192025	0.5791	125.0- 185.0	165.5	
1	4	2.972	2.970	0.002	80362	0.6008	35.0- 95.0	69.2	
			Average of Peak Amounts =			0.5597			
2	5	2.239	2.239	0.000	160305	0.5306		100.0	
2	6	2.528	2.527	0.001	257342	0.5468	147.0- 207.0	160.5	
2	7	2.635	2.635	0.000	111263	0.5498	46.8- 106.8	69.4	
2	8	2.981	2.981	0.000	129654	0.5346	60.1- 120.1	80.9	
			Average of Peak Amounts =			0.5405			
						RPD = 3.50			
9 PCB-1260									
1	1	4.727	4.725	0.002	154782	0.5685		100.0	
1	2	5.085	5.085	0.000	244562	0.5576	117.3- 177.3	158.0	
1	3	5.304	5.304	0.000	103467	0.5845	33.5- 93.5	66.8	
1	4	5.755	5.756	-0.001	69638	0.5611	9.6- 69.6	45.0	
			Average of Peak Amounts =			0.5679			
2	5	4.531	4.531	0.000	136904	0.5589		100.0	
2	6	4.662	4.662	0.000	316007	0.5638	199.7- 259.7	230.8	
2	7	4.965	4.965	0.000	305023	0.5563	180.5- 240.5	222.8	
2	8	5.334	5.334	0.000	76835	0.5483	34.9- 94.9	56.1	
			Average of Peak Amounts =			0.5568			
						RPD = 1.97			

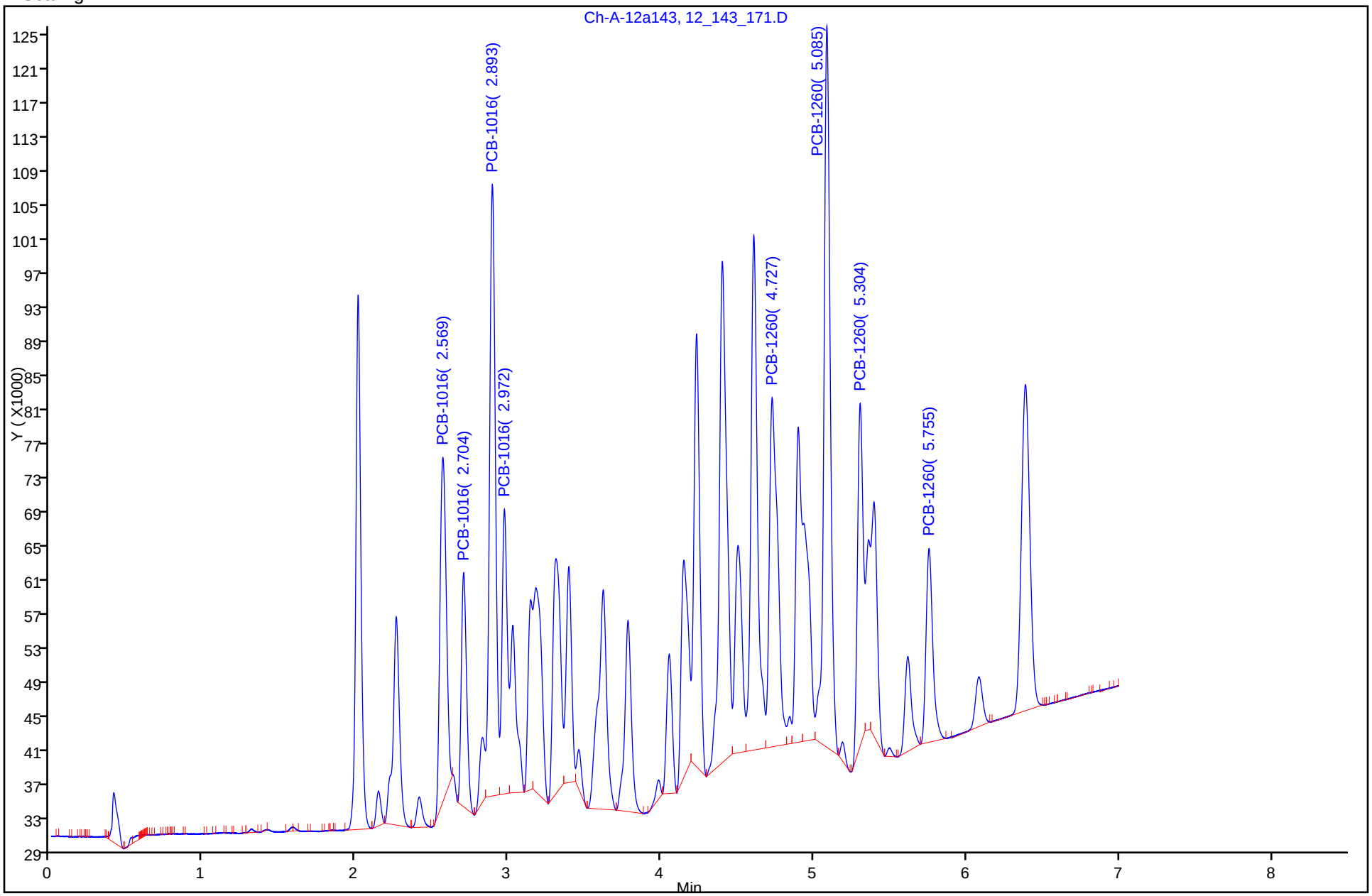
Det	Sig	RT	ADJ RT	DLT RT	Response	On-Col Amt ng/uL	Ratio Range	Ratio	Flags
E 12 DCB Decachlorobiphenyl									
1	1	6.387	6.388	-0.001	147455	0.0319			
2	2	5.823	5.824	-0.001	181164	0.0329			
						RPD = 3.07			

Report Date: 24-Oct-2011 20:35:25 Chrom Revision: 2.0 01-Sep-2011 14:10:00

Data File: \\Bufchrom\ChromData\HP5890-12\20111023-6917.b\12_143_171.D

Injection Date:	23-Oct-2011 14:53:45	Limit Group:	GC - 8082 PCB ICAL
Client ID:		Instrument ID:	HP5890-12
Lims Batch ID:	36827	Lims Sample ID:	15
Operator ID:	tchrom	Injection Vol:	1.00 ul

Y Scaling:



TestAmerica Laboratories
Target Compound Quantitation Report

Data File: \\Bufchrom\ChromData\HP5890-12\20111023-6917.b\12_143_172.D
Lims ID: std1 Client ID:
Inject. Date: 23-Oct-2011 15:08:29 Dil. Factor: 1.0000
Sample Type: IC Calib Level: 2
Sample ID:
Misc. Info.: Study: 480-0006862-033 Channel B: I/F Serial#, 9205571204
Operator: tchrom Instrument ID: HP5890-12
Vol. Injected: 1.0000 ALS Bottle#: 0
Lims Batch ID: 36827 Lims Sample ID: 16
Sublist: chrom-hp12_pcb*sub1
Detector 1 : Ch-A-7A136
Detector 2 : Ch-B-7b136

Method: \\Bufchrom\ChromData\HP5890-12\20111023-6917.b\hp12_pcb.m
Last Update: 24-Oct-2011 18:39:49 Calib Date: 23-Oct-2011 18:50:30
Quant Method: External Standard Quant By: Initial Calibration
Last ICal File: \\Bufchrom\ChromData\HP5890-12\20111023-6917.b\12_143_187.D
Limit Group: GC - 8082 PCB ICAL
Integrator: Falcon
Process Host: CORP-CTX-19

First Level Reviewer: michalej Date: 24-Oct-2011 18:39:49

Det	Sig	RT	ADJ RT	DLT RT	Response	On-Col Amt ng/uL	Ratio Range	Ratio	Flags
$ 3 Tetrachloro-m-xylene									
1	1	2.011	2.012	-0.001	177465	0.0402			
2	2	1.570	1.570	0.000	227497	0.0406			
						RPD = 0.95			
6 PCB-1016									
1	1	2.567	2.567	0.000	174457	0.7647		100.0	
1	2	2.703	2.703	0.000	101464	0.8462	23.9- 83.9	58.2	
1	3	2.891	2.891	0.000	304356	0.9179	125.0- 185.0	174.5	
1	4	2.969	2.970	-0.001	124491	0.9307	35.0- 95.0	71.4	
			Average of Peak Amounts =			0.8649			
2	5	2.239	2.239	0.000	241586	0.7997		100.0	
2	6	2.527	2.527	0.000	402738	0.8558	147.0- 207.0	166.7	
2	7	2.635	2.635	0.000	173917	0.8594	46.8- 106.8	72.0	
2	8	2.981	2.981	0.000	205747	0.8484	60.1- 120.1	85.2	
			Average of Peak Amounts =			0.8408			
						RPD = 2.82			
9 PCB-1260									
1	1	4.725	4.725	0.000	258985	0.9513		100.0	
1	2	5.085	5.085	0.000	394053	0.8984	117.3- 177.3	152.2	
1	3	5.303	5.304	-0.001	169567	0.9579	33.5- 93.5	65.5	
1	4	5.755	5.756	-0.001	110995	0.8943	9.6- 69.6	42.9	
			Average of Peak Amounts =			0.9255			
2	5	4.530	4.531	-0.001	219757	0.8972		100.0	
2	6	4.661	4.662	-0.001	505598	0.9020	199.7- 259.7	230.1	
2	7	4.965	4.965	0.000	473075	0.8628	180.5- 240.5	215.3	
2	8	5.333	5.334	-0.001	129858	0.9266	34.9- 94.9	59.1	
			Average of Peak Amounts =			0.8971			
						RPD = 3.11			

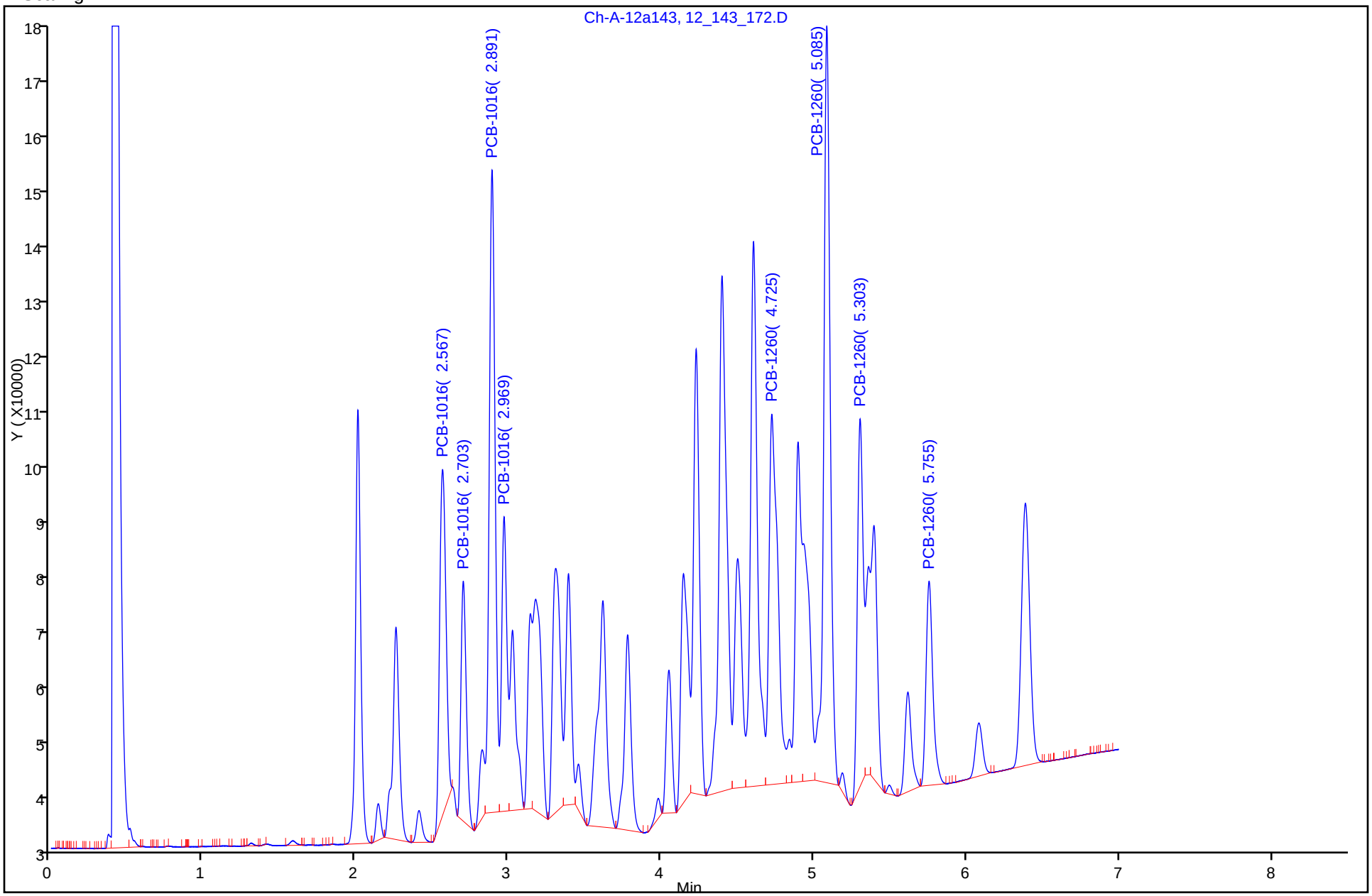
Det	Sig	RT	ADJ RT	DLT RT	Response	On-Col Amt ng/uL	Ratio Range	Ratio	Flags
E 12 DCB Decachlorobiphenyl									
1	1	6.387	6.388	-0.001	177500	0.0384			
2	2	5.822	5.824	-0.002	213921	0.0389			
						RPD = 1.14			

Report Date: 24-Oct-2011 18:39:50 Chrom Revision: 2.0 01-Sep-2011 14:10:00

Data File: \\Bufchrom\ChromData\HP5890-12\20111023-6917.b\12_143_172.D

Injection Date:	23-Oct-2011 15:08:29	Limit Group:	GC - 8082 PCB ICAL
Client ID:		Instrument ID:	HP5890-12
Lims Batch ID:	36827	Lims Sample ID:	16
Operator ID:	tchrom	Injection Vol:	1.00 ul

Y Scaling:



TestAmerica Laboratories
Target Compound Quantitation Report

Data File: \\Bufchrom\ChromData\HP5890-12\20111023-6917.b\12_143_173.D
Lims ID: std2 Client ID:
Inject. Date: 23-Oct-2011 15:23:12 Dil. Factor: 1.0000
Sample Type: IC Calib Level: 1
Sample ID:
Misc. Info.: Study: 480-0006862-035 Channel B: I/F Serial#, 9205571204
Operator: tchrom Instrument ID: HP5890-12
Vol. Injected: 1.0000 ALS Bottle#: 0
Lims Batch ID: 36827 Lims Sample ID: 17
Sublist: chrom-hp12_pcb*sub1
Detector 1 : Ch-A-7A136
Detector 2 : Ch-B-7b136

Method: \\Bufchrom\ChromData\HP5890-12\20111023-6917.b\hp12_pcb.m
Last Update: 24-Oct-2011 19:42:47 Calib Date: 23-Oct-2011 18:50:30
Quant Method: External Standard Quant By: Initial Calibration
Last ICal File: \\Bufchrom\ChromData\HP5890-12\20111023-6917.b\12_143_187.D
Limit Group: GC - 8082 PCB ICAL
Integrator: Falcon
Process Host: CORP-CTX-19

First Level Reviewer: michalej Date: 24-Oct-2011 19:42:47

Det	Sig	RT	ADJ RT	DLT RT	Response	On-Col Amt ng/uL	Ratio Range	Ratio	Flags
$ 3 Tetrachloro-m-xylene									
1	1	2.012	2.012	0.000	222031	0.0500			
2	2	1.570	1.570	0.000	267702	0.0476			
						RPD = 4.89			
6 PCB-1016									
1	1	2.567	2.567	0.000	401167	1.76		100.0	
1	2	2.703	2.703	0.000	216085	1.80	23.9- 83.9	53.9	
1	3	2.891	2.891	0.000	621696	1.87	125.0- 185.0	155.0	
1	4	2.970	2.970	0.000	260746	1.95	35.0- 95.0	65.0	
			Average of Peak Amounts =			1.85			
2	5	2.239	2.239	0.000	425561	1.41		100.0	
2	6	2.527	2.527	0.000	753069	1.60	147.0- 207.0	177.0	
2	7	2.635	2.635	0.000	326641	1.61	46.8- 106.8	76.8	
2	8	2.981	2.981	0.000	383265	1.58	60.1- 120.1	90.1	
			Average of Peak Amounts =			1.55			
						RPD = 17.39			
9 PCB-1260									
1	1	4.725	4.725	0.000	545114	2.00		100.0	
1	2	5.085	5.085	0.000	802906	1.83	117.3- 177.3	147.3	
1	3	5.304	5.304	0.000	345969	1.95	33.5- 93.5	63.5	
1	4	5.756	5.756	0.000	216066	1.74	9.6- 69.6	39.6	
			Average of Peak Amounts =			1.88			
2	5	4.531	4.531	0.000	419839	1.71		100.0	
2	6	4.662	4.662	0.000	964464	1.72	199.7- 259.7	229.7	
2	7	4.965	4.965	0.000	883587	1.61	180.5- 240.5	210.5	
2	8	5.334	5.334	0.000	272614	1.95	34.9- 94.9	64.9	
			Average of Peak Amounts =			1.75			
						RPD = 7.39			

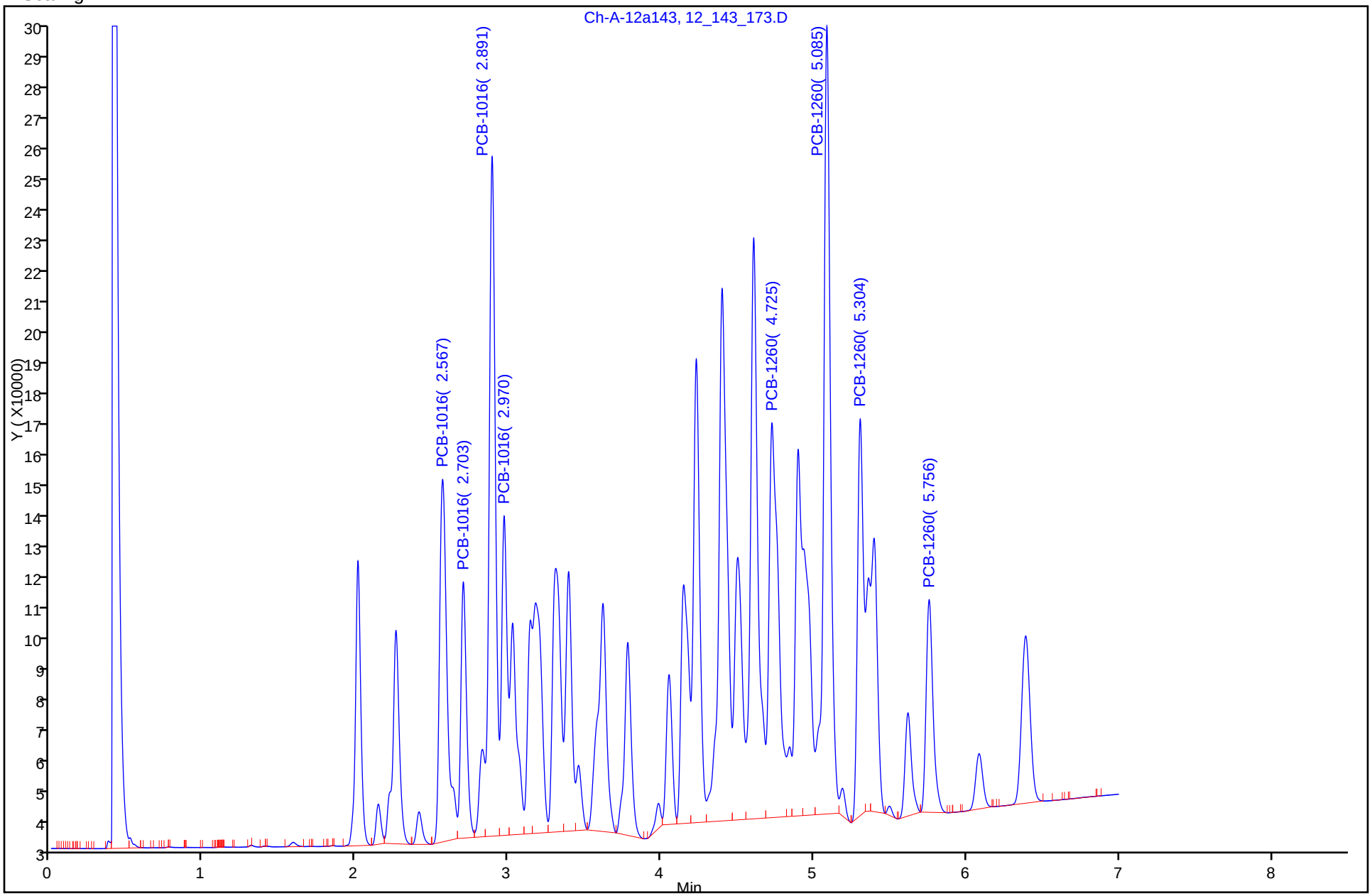
Det	Sig	RT	ADJ RT	DLT RT	Response	On-Col Amt ng/uL	Ratio Range	Ratio	Flags
E 12 DCB Decachlorobiphenyl									
1	1	6.388	6.388	0.000	210594	0.0456			
2	2	5.824	5.824	0.000	254611	0.0463			
						RPD = 1.46			

Report Date: 24-Oct-2011 19:42:47 Chrom Revision: 2.0 01-Sep-2011 14:10:00

Data File: \\Bufchrom\ChromData\HP5890-12\20111023-6917.b\12_143_173.D

Injection Date:	23-Oct-2011 15:23:12	Limit Group:	GC - 8082 PCB ICAL
Client ID:		Instrument ID:	HP5890-12
Lims Batch ID:	36827	Lims Sample ID:	17
Operator ID:	tchrom	Injection Vol:	1.00 ul

Y Scaling:



FORM VI
PCBS INITIAL CALIBRATION DATA
EXTERNAL STANDARD RETENTION TIME SUMMARY

Lab Name: TestAmerica Buffalo Job No.: 480-18068-1 Analy Batch No.: 36827

SDG No.:

Instrument ID: HP5890-12 GC Column: ZB-35 ID: 0.53(mm) Heated Purge: (Y/N) N

Calibration Start Date: 10/23/2011 13:54 Calibration End Date: 10/23/2011 15:23 Calibration ID: 4295

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	STD0025 480-36827/11	12_143_167.D
Level 2	STD005 480-36827/12	12_143_168.D
Level 3	STD01 480-36827/13	12_143_169.D
Level 4	STD025 480-36827/14	12_143_170.D
Level 5	STD05 480-36827/15	12_143_171.D
Level 6	STD1 480-36827/16	12_143_172.D
Level 7	STD2 480-36827/17	12_143_173.D

ANALYTE	LVL 1	LVL 2	LVL 3	LVL 4	LVL 5	LVL 6	LVL 7				RT WINDOW	AVG RT
PCB-1016 Peak 1	2.241	2.241	2.240	2.240	2.239	2.239	2.239				2.209 - 2.269	2.240
PCB-1016 Peak 2	2.528	2.528	2.528	2.528	2.528	2.527	2.527				2.497 - 2.557	2.528
PCB-1016 Peak 3	2.636	2.635	2.635	2.635	2.635	2.635	2.635				2.605 - 2.665	2.635
PCB-1016 Peak 4	2.983	2.982	2.982	2.981	2.981	2.981	2.981				2.951 - 3.011	2.982
PCB-1260 Peak 1	4.532	4.531	4.530	4.530	4.531	4.530	4.531				4.501 - 4.561	4.531
PCB-1260 Peak 2	4.663	4.663	4.661	4.662	4.662	4.661	4.662				4.632 - 4.692	4.662
PCB-1260 Peak 3	4.966	4.966	4.964	4.965	4.965	4.965	4.965				4.935 - 4.995	4.965
PCB-1260 Peak 4	5.337	5.333	5.333	5.333	5.334	5.333	5.334				5.304 - 5.364	5.334
Tetrachloro-m-xylene	1.571	1.570	1.569	1.569	1.570	1.570	1.570				1.540 - 1.600	1.570
DCB Decachlorobiphenyl	5.823	5.824	5.823	5.823	5.823	5.822	5.824				5.764 - 5.884	5.823

FORM VI
PCBS INITIAL CALIBRATION DATA
EXTERNAL STANDARD CURVE EVALUATION

Lab Name: TestAmerica Buffalo Job No.: 480-18068-1 Analy Batch No.: 36827

SDG No.:

Instrument ID: HP5890-12 GC Column: ZB-35 ID: 0.53(mm) Heated Purge: (Y/N) N

Calibration Start Date: 10/23/2011 13:54 Calibration End Date: 10/23/2011 15:23 Calibration ID: 4295

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	STD0025 480-36827/11	12_143_167.D
Level 2	STD005 480-36827/12	12_143_168.D
Level 3	STD01 480-36827/13	12_143_169.D
Level 4	STD025 480-36827/14	12_143_170.D
Level 5	STD05 480-36827/15	12_143_171.D
Level 6	STD1 480-36827/16	12_143_172.D
Level 7	STD2 480-36827/17	12_143_173.D

ANALYTE	CF				CURVE TYPE	COEFFICIENT			#	MIN CF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 5	LVL 2 LVL 6	LVL 3 LVL 7	LVL 4		B	M1	M2								
PCB-1016 Peak 1	328960 320610	353840 241586	362500 212781	294428	Ave		302100.643				19.0		20.0			
PCB-1016 Peak 2	475000 514684	532080 402738	538610 376535	454560	Ave		470600.929				13.0		20.0			
PCB-1016 Peak 3	190400 222526	225460 173917	238880 163321	202124	Ave		202375.357				14.0		20.0			
PCB-1016 Peak 4	276400 259308	256200 205747	273110 191633	235132	Ave		242504.214				14.0		20.0			
PCB-1260 Peak 1	276160 273808	220620 219757	278660 209920	235640	Ave		244937.786				12.0		20.0			
PCB-1260 Peak 2	611720 632014	500100 505598	648710 482232	543284	Ave		560522.571				12.0		20.0			
PCB-1260 Peak 3	555360 610046	598540 473075	625100 441794	534296	Ave		548315.786				13.0		20.0			
PCB-1260 Peak 4	119600 153670	131300 129858	189550 136307	120728	Ave		140144.714				18.0		20.0			
Tetrachloro-m-xylene	4184800 6277067	4430200 5687425	4336400 5354040	5312550	Lin1	-5596.8346	5745503.76							0.9910		0.9900
DCB Decachlorobiphenyl	6194400 6038800	4634400 5348025	5903800 5092220	5300950	Ave		5501799.29				10.0		20.0			

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

FORM VI
PCBS INITIAL CALIBRATION DATA
EXTERNAL STANDARD RESPONSE AND CONCENTRATION

Lab Name: TestAmerica Buffalo Job No.: 480-18068-1 Analy Batch No.: 36827

SDG No.:

Instrument ID: HP5890-12 GC Column: ZB-35 ID: 0.53(mm) Heated Purge: (Y/N) N

Calibration Start Date: 10/23/2011 13:54 Calibration End Date: 10/23/2011 15:23 Calibration ID: 4295

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	STD0025 480-36827/11	12_143_167.D
Level 2	STD005 480-36827/12	12_143_168.D
Level 3	STD01 480-36827/13	12_143_169.D
Level 4	STD025 480-36827/14	12_143_170.D
Level 5	STD05 480-36827/15	12_143_171.D
Level 6	STD1 480-36827/16	12_143_172.D
Level 7	STD2 480-36827/17	12_143_173.D

ANALYTE	CURVE TYPE	RESPONSE					CONCENTRATION (NG/UL)				
		LVL 1 LVL 6	LVL 2 LVL 7	LVL 3	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3	LVL 4	LVL 5
PCB-1016 Peak 1	Ave	8224 241586	17692 425561	36250	73607	160305	0.0250 1.00	0.0500 2.00	0.100	0.250	0.500
PCB-1016 Peak 2	Ave	11875 402738	26604 753069	53861	113640	257342	0.0250 1.00	0.0500 2.00	0.100	0.250	0.500
PCB-1016 Peak 3	Ave	4760 173917	11273 326641	23888	50531	111263	0.0250 1.00	0.0500 2.00	0.100	0.250	0.500
PCB-1016 Peak 4	Ave	6910 205747	12810 383265	27311	58783	129654	0.0250 1.00	0.0500 2.00	0.100	0.250	0.500
PCB-1260 Peak 1	Ave	6904 219757	11031 419839	27866	58910	136904	0.0250 1.00	0.0500 2.00	0.100	0.250	0.500
PCB-1260 Peak 2	Ave	15293 505598	25005 964464	64871	135821	316007	0.0250 1.00	0.0500 2.00	0.100	0.250	0.500
PCB-1260 Peak 3	Ave	13884 473075	29927 883587	62510	133574	305023	0.0250 1.00	0.0500 2.00	0.100	0.250	0.500
PCB-1260 Peak 4	Ave	2990 129858	6565 272614	18955	30182	76835	0.0250 1.00	0.0500 2.00	0.100	0.250	0.500
Tetrachloro-m-xylene	Lin1	10462 227497	22151 267702	43364	106251	188312	0.00250 0.0400	0.00500 0.0500	0.0100	0.0200	0.0300
DCB Decachlorobiphenyl	Ave	15486 213921	23172 254611	59038	106019	181164	0.00250 0.0400	0.00500 0.0500	0.0100	0.0200	0.0300

Curve Type Legend:

Ave = Average
Lin1 = Linear 1/conc

TestAmerica Laboratories
Target Compound Quantitation Report

Data File: \\Bufchrom\ChromData\HP5890-12\20111023-6917.b\12_143_167.D
Lims ID: std0025 Client ID:
Inject. Date: 23-Oct-2011 13:54:44 Dil. Factor: 1.0000
Sample Type: IC Calib Level: 7
Sample ID:
Misc. Info.: Study: 480-0006862-028 Channel B: I/F Serial#, 9205571204
Operator: tchrom Instrument ID: HP5890-12
Vol. Injected: 1.0000 ALS Bottle#: 0
Lims Batch ID: 36827 Lims Sample ID: 11
Sublist: chrom-hp12_pcb*sub1
Detector 1 : Ch-A-7A136
Detector 2 : Ch-B-7b136

Method: \\Bufchrom\ChromData\HP5890-12\20111023-6917.b\hp12_pcb.m
Last Update: 24-Oct-2011 18:40:05 Calib Date: 23-Oct-2011 18:50:30
Quant Method: External Standard Quant By: Initial Calibration
Last ICal File: \\Bufchrom\ChromData\HP5890-12\20111023-6917.b\12_143_187.D
Limit Group: GC - 8082 PCB ICAL
Integrator: Falcon
Process Host: CORP-CTX-19

First Level Reviewer: michalej Date: 24-Oct-2011 18:40:05

Det	Sig	RT	ADJ RT	DLT RT	Response	On-Col Amt ng/uL	Ratio Range	Ratio	Flags
$ 3 Tetrachloro-m-xylene									
1	1	2.011	2.012	-0.001	7716	0.002997			
2	2	1.571	1.570	0.001	10462	0.002795			
						RPD = 6.98			
6 PCB-1016									
1	1	2.569	2.567	0.002	6265	0.0275		100.0	
1	2	2.705	2.703	0.002	3031	0.0253	23.9- 83.9	48.4	
1	3	2.893	2.891	0.002	7454	0.0225	125.0- 185.0	119.0	
1	4	2.973	2.970	0.003	2362	0.0177	35.0- 95.0	37.7	
			Average of Peak Amounts =			0.0232			
2	5	2.241	2.239	0.002	8224	0.0272		100.0	
2	6	2.528	2.527	0.001	11875	0.0252	147.0- 207.0	144.4	
2	7	2.636	2.635	0.001	4760	0.0235	46.8- 106.8	57.9	
2	8	2.983	2.981	0.002	6910	0.0285	60.1- 120.1	84.0	
			Average of Peak Amounts =			0.0261			
						RPD = 11.75			
9 PCB-1260									M
1	1	4.726	4.725	0.001	6288	0.0231		100.0	
1	2	5.085	5.085	0.000	11112	0.0253	117.3- 177.3	176.7	
1	3	5.305	5.304	0.001	3115	0.0176	33.5- 93.5	49.5	
1	4	5.755	5.756	-0.001	2805	0.0226	9.6- 69.6	44.6	M
			Average of Peak Amounts =			0.0222			
2	5	4.532	4.531	0.001	6904	0.0282		100.0	
2	6	4.663	4.662	0.001	15293	0.0273	199.7- 259.7	221.5	
2	7	4.966	4.965	0.001	13884	0.0253	180.5- 240.5	201.1	
2	8	5.337	5.334	0.003	2990	0.0213	34.9- 94.9	43.3	
			Average of Peak Amounts =			0.0255			
						RPD = 14.15			

Det	Sig	RT	ADJ RT	DLT RT	Response	On-Col Amt ng/uL	Ratio Range	Ratio	Flags
E 12 DCB Decachlorobiphenyl									
1	1	6.385	6.388	-0.003	11601	0.002512			
2	2	5.823	5.824	-0.001	15486	0.002815			
						RPD = 11.35			

QC Flag Legend

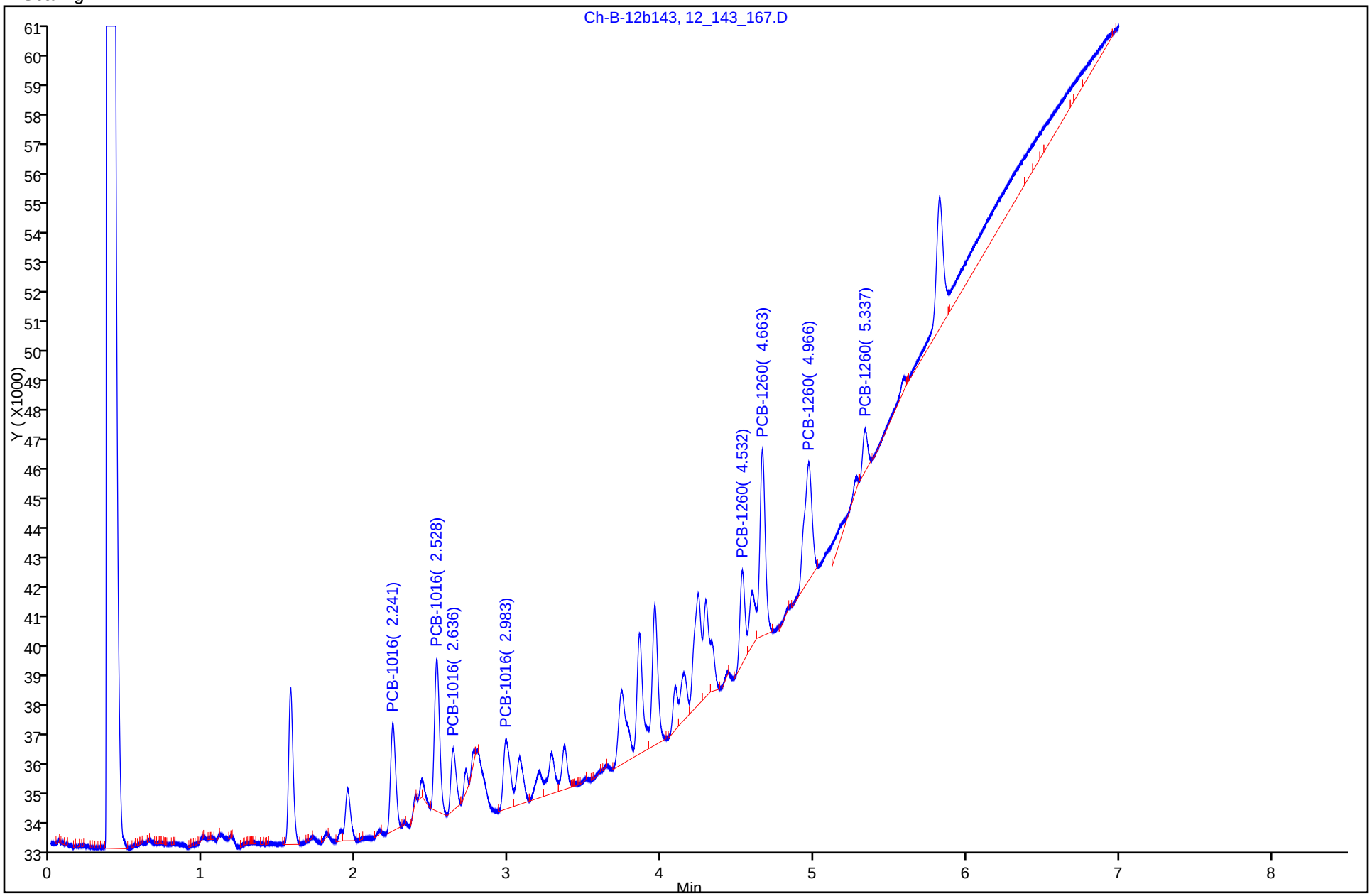
Review Flags
M - Manually Integrated

Report Date: 24-Oct-2011 18:40:06 Chrom Revision: 2.0 01-Sep-2011 14:10:00

Data File: \\Bufchrom\ChromData\HP5890-12\20111023-6917.b\12_143_167.D

Injection Date:	23-Oct-2011 13:54:44	Limit Group:	GC - 8082 PCB ICAL
Client ID:		Instrument ID:	HP5890-12
Lims Batch ID:	36827	Lims Sample ID:	11
Operator ID:	tchrom	Injection Vol:	1.00 ul

Y Scaling:



TestAmerica Laboratories
Target Compound Quantitation Report

Data File: \\Bufchrom\ChromData\HP5890-12\20111023-6917.b\12_143_168.D
Lims ID: STD005 Client ID:
Inject. Date: 23-Oct-2011 14:09:27 Dil. Factor: 1.0000
Sample Type: IC Calib Level: 6
Sample ID:
Misc. Info.: Study: 480-0006862-029 Channel B: I/F Serial#, 9205571204
Operator: tchrom Instrument ID: HP5890-12
Vol. Injected: 1.0000 ALS Bottle#: 0
Lims Batch ID: 36827 Lims Sample ID: 12
Sublist: chrom-hp12_pcb*sub1
Detector 1 : Ch-A-7A136
Detector 2 : Ch-B-7b136

Method: \\Bufchrom\ChromData\HP5890-12\20111023-6917.b\hp12_pcb.m
Last Update: 24-Oct-2011 18:40:10 Calib Date: 23-Oct-2011 18:50:30
Quant Method: External Standard Quant By: Initial Calibration
Last ICal File: \\Bufchrom\ChromData\HP5890-12\20111023-6917.b\12_143_187.D
Limit Group: GC - 8082 PCB ICAL
Integrator: Falcon
Process Host: CORP-CTX-19

First Level Reviewer: michalej Date: 24-Oct-2011 18:40:10

Det	Sig	RT	ADJ RT	DLT RT	Response	On-Col Amt ng/uL	Ratio Range	Ratio	Flags
$ 3 Tetrachloro-m-xylene									
1	1	2.013	2.012	0.001	15852	0.004780			
2	2	1.570	1.570	0.000	22151	0.004829			
						RPD = 1.03			
6 PCB-1016									
1	1	2.569	2.567	0.002	13302	0.0583		100.0	
1	2	2.705	2.703	0.002	6408	0.0534	23.9- 83.9	48.2	
1	3	2.893	2.891	0.002	16621	0.0501	125.0- 185.0	125.0	
1	4	2.971	2.970	0.001	6395	0.0478	35.0- 95.0	48.1	
			Average of Peak Amounts =			0.0524			
2	5	2.241	2.239	0.002	17692	0.0586		100.0	
2	6	2.528	2.527	0.001	26604	0.0565	147.0- 207.0	150.4	
2	7	2.635	2.635	0.000	11273	0.0557	46.8- 106.8	63.7	
2	8	2.982	2.981	0.001	12810	0.0528	60.1- 120.1	72.4	
			Average of Peak Amounts =			0.0559			
						RPD = 6.43			
9 PCB-1260									
1	1	4.726	4.725	0.001	13320	0.0489		100.0	
1	2	5.085	5.085	0.000	22744	0.0519	117.3- 177.3	170.8	
1	3	5.305	5.304	0.001	10078	0.0569	33.5- 93.5	75.7	
1	4	5.755	5.756	-0.001	8183	0.0659	9.6- 69.6	61.4	
			Average of Peak Amounts =			0.0559			
2	5	4.531	4.531	0.000	11031	0.0450		100.0	
2	6	4.663	4.662	0.001	25005	0.0446	199.7- 259.7	226.7	
2	7	4.966	4.965	0.001	29927	0.0546	180.5- 240.5	271.3	
2	8	5.333	5.334	-0.001	6565	0.0468	34.9- 94.9	59.5	
			Average of Peak Amounts =			0.0478			
						RPD = 15.71			

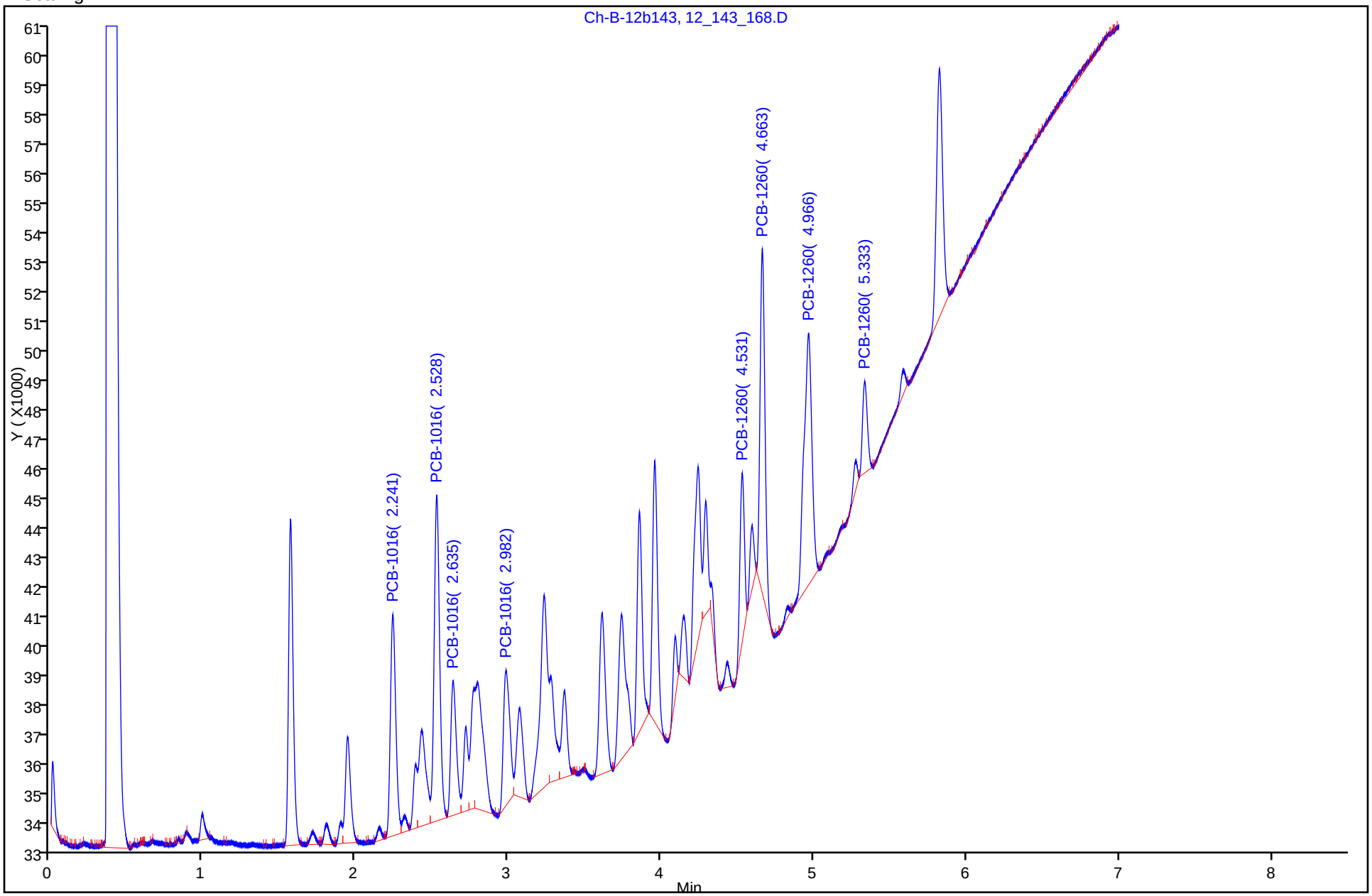
Det	Sig	RT	ADJ RT	DLT RT	Response	On-Col Amt ng/uL	Ratio Range	Ratio	Flags
E 12 DCB Decachlorobiphenyl									
1	1	6.387	6.388	-0.001	29984	0.006494			
2	2	5.824	5.824	0.000	23172	0.004212			
						RPD = 42.63			

Report Date: 24-Oct-2011 18:40:10 Chrom Revision: 2.0 01-Sep-2011 14:10:00

Data File: \\Bufchrom\ChromData\HP5890-12\20111023-6917.b\12_143_168.D

Injection Date:	23-Oct-2011 14:09:27	Limit Group:	GC - 8082 PCB ICAL
Client ID:		Instrument ID:	HP5890-12
Lims Batch ID:	36827	Lims Sample ID:	12
Operator ID:	tchrom	Injection Vol:	1.00 ul

Y Scaling:



TestAmerica Laboratories
Target Compound Quantitation Report

Data File: \\Bufchrom\ChromData\HP5890-12\20111023-6917.b\12_143_169.D
Lims ID: std01 Client ID:
Inject. Date: 23-Oct-2011 14:24:13 Dil. Factor: 1.0000
Sample Type: IC Calib Level: 5
Sample ID:
Misc. Info.: Study: 480-0006862-030 Channel B: I/F Serial#, 9205571204
Operator: tchrom Instrument ID: HP5890-12
Vol. Injected: 1.0000 ALS Bottle#: 0
Lims Batch ID: 36827 Lims Sample ID: 13
Sublist: chrom-hp12_pcb*sub1
Detector 1 : Ch-A-7A136
Detector 2 : Ch-B-7b136

Method: \\Bufchrom\ChromData\HP5890-12\20111023-6917.b\hp12_pcb.m
Last Update: 24-Oct-2011 18:43:49 Calib Date: 23-Oct-2011 18:50:30
Quant Method: External Standard Quant By: Initial Calibration
Last ICal File: \\Bufchrom\ChromData\HP5890-12\20111023-6917.b\12_143_187.D
Limit Group: GC - 8082 PCB ICAL
Integrator: Falcon
Process Host: CORP-CTX-19

First Level Reviewer: michalej Date: 24-Oct-2011 18:39:59

Det	Sig	RT	ADJ RT	DLT RT	Response	On-Col Amt ng/uL	Ratio Range	Ratio	Flags
$ 3 Tetrachloro-m-xylene									
1	1	2.013	2.012	0.001	31446	0.008196			
2	2	1.569	1.570	-0.001	43364	0.008522			
						RPD = 3.89			
6 PCB-1016									
1	1	2.569	2.567	0.002	25598	0.1122		100.0	
1	2	2.705	2.703	0.002	13356	0.1114	23.9- 83.9	52.2	
1	3	2.893	2.891	0.002	39087	0.1179	125.0- 185.0	152.7	
1	4	2.973	2.970	0.003	17743	0.1327	35.0- 95.0	69.3	
			Average of Peak Amounts =			0.1185			
2	5	2.240	2.239	0.001	36250	0.1200		100.0	
2	6	2.528	2.527	0.001	53861	0.1145	147.0- 207.0	148.6	
2	7	2.635	2.635	0.000	23888	0.1180	46.8- 106.8	65.9	
2	8	2.982	2.981	0.001	27311	0.1126	60.1- 120.1	75.3	
			Average of Peak Amounts =			0.1163			
						RPD = 1.92			
9 PCB-1260									
1	1	4.727	4.725	0.002	31553	0.1159		100.0	
1	2	5.087	5.085	0.002	48607	0.1108	117.3- 177.3	154.0	
1	3	5.305	5.304	0.001	21259	0.1201	33.5- 93.5	67.4	
1	4	5.757	5.756	0.001	12074	0.0973	9.6- 69.6	38.3	
			Average of Peak Amounts =			0.1110			
2	5	4.530	4.531	-0.001	27866	0.1138		100.0	
2	6	4.661	4.662	-0.001	64871	0.1157	199.7- 259.7	232.8	
2	7	4.964	4.965	-0.001	62510	0.1140	180.5- 240.5	224.3	
2	8	5.333	5.334	-0.001	18955	0.1353	34.9- 94.9	68.0	
			Average of Peak Amounts =			0.1197			
						RPD = 7.51			

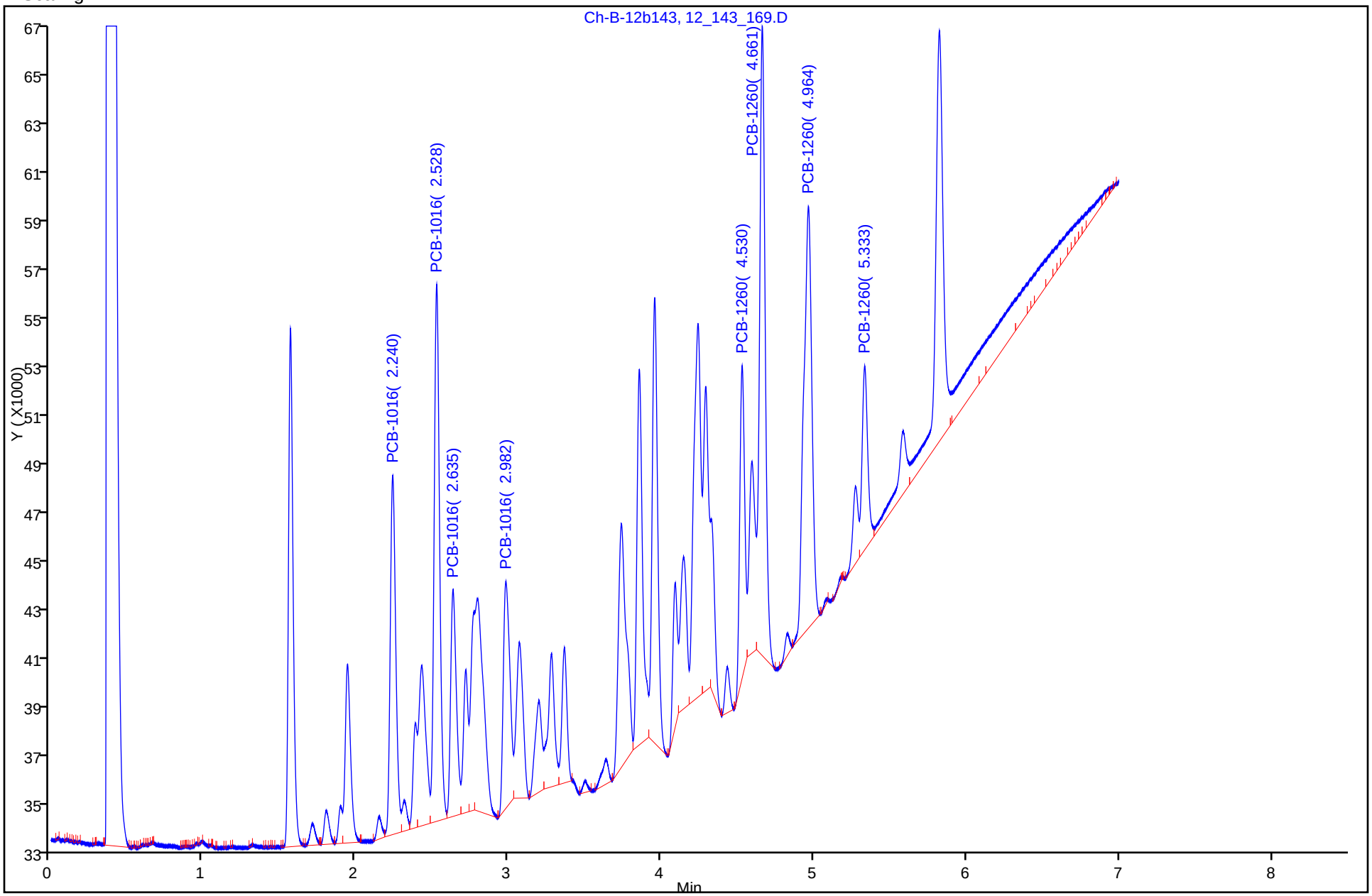
Det	Sig	RT	ADJ RT	DLT RT	Response	On-Col Amt ng/uL	Ratio Range	Ratio	Flags
E 12 DCB Decachlorobiphenyl									
1	1	6.387	6.388	-0.001	39109	0.008470			
2	2	5.823	5.824	-0.001	59038	0.0107			
						RPD = 23.55			

Report Date: 24-Oct-2011 18:43:49 Chrom Revision: 2.0 01-Sep-2011 14:10:00

Data File: \\Bufchrom\ChromData\HP5890-12\20111023-6917.b\12_143_169.D

Injection Date:	23-Oct-2011 14:24:13	Limit Group:	GC - 8082 PCB ICAL
Client ID:		Instrument ID:	HP5890-12
Lims Batch ID:	36827	Lims Sample ID:	13
Operator ID:	tchrom	Injection Vol:	1.00 ul

Y Scaling:



TestAmerica Laboratories
Target Compound Quantitation Report

Data File: \\Bufchrom\ChromData\HP5890-12\20111023-6917.b\12_143_170.D
Lims ID: STD025 Client ID:
Inject. Date: 23-Oct-2011 14:38:59 Dil. Factor: 1.0000
Sample Type: IC Calib Level: 4
Sample ID:
Misc. Info.: Study: 480-0006862-031 Channel B: I/F Serial#, 9205571204
Operator: tchrom Instrument ID: HP5890-12
Vol. Injected: 1.0000 ALS Bottle#: 0
Lims Batch ID: 36827 Lims Sample ID: 14
Sublist: chrom-hp12_pcb*sub1
Detector 1 : Ch-A-7A136
Detector 2 : Ch-B-7b136

Method: \\Bufchrom\ChromData\HP5890-12\20111023-6917.b\hp12_pcb.m
Last Update: 24-Oct-2011 18:39:56 Calib Date: 23-Oct-2011 18:50:30
Quant Method: External Standard Quant By: Initial Calibration
Last ICal File: \\Bufchrom\ChromData\HP5890-12\20111023-6917.b\12_143_187.D
Limit Group: GC - 8082 PCB ICAL
Integrator: Falcon
Process Host: CORP-CTX-19

First Level Reviewer: michalej Date: 24-Oct-2011 18:39:56

Det	Sig	RT	ADJ RT	DLT RT	Response	On-Col Amt ng/uL	Ratio Range	Ratio	Flags
$ 3 Tetrachloro-m-xylene									
1	1	2.011	2.012	-0.001	78620	0.0185			
2	2	1.569	1.570	-0.001	106251	0.0195			
						RPD = 4.92			
6 PCB-1016									
1	1	2.566	2.567	-0.001	54272	0.2379		100.0	
1	2	2.703	2.703	0.000	28739	0.2397	23.9- 83.9	53.0	
1	3	2.891	2.891	0.000	75091	0.2265	125.0- 185.0	138.4	
1	4	2.970	2.970	0.000	30224	0.2260	35.0- 95.0	55.7	
			Average of Peak Amounts =			0.2325			
2	5	2.240	2.239	0.001	73607	0.2437		100.0	
2	6	2.528	2.527	0.001	113640	0.2415	147.0- 207.0	154.4	
2	7	2.635	2.635	0.000	50531	0.2497	46.8- 106.8	68.6	
2	8	2.981	2.981	0.000	58783	0.2424	60.1- 120.1	79.9	
			Average of Peak Amounts =			0.2443			
						RPD = 4.95			
9 PCB-1260									
1	1	4.725	4.725	0.000	57811	0.2123		100.0	
1	2	5.085	5.085	0.000	100055	0.2281	117.3- 177.3	173.1	
1	3	5.303	5.304	-0.001	37741	0.2132	33.5- 93.5	65.3	
1	4	5.755	5.756	-0.001	28469	0.2294	9.6- 69.6	49.2	
			Average of Peak Amounts =			0.2208			
2	5	4.530	4.531	-0.001	58910	0.2405		100.0	
2	6	4.662	4.662	0.000	135821	0.2423	199.7- 259.7	230.6	
2	7	4.965	4.965	0.000	133574	0.2436	180.5- 240.5	226.7	
2	8	5.333	5.334	-0.001	30182	0.2154	34.9- 94.9	51.2	
			Average of Peak Amounts =			0.2354			
						RPD = 6.44			

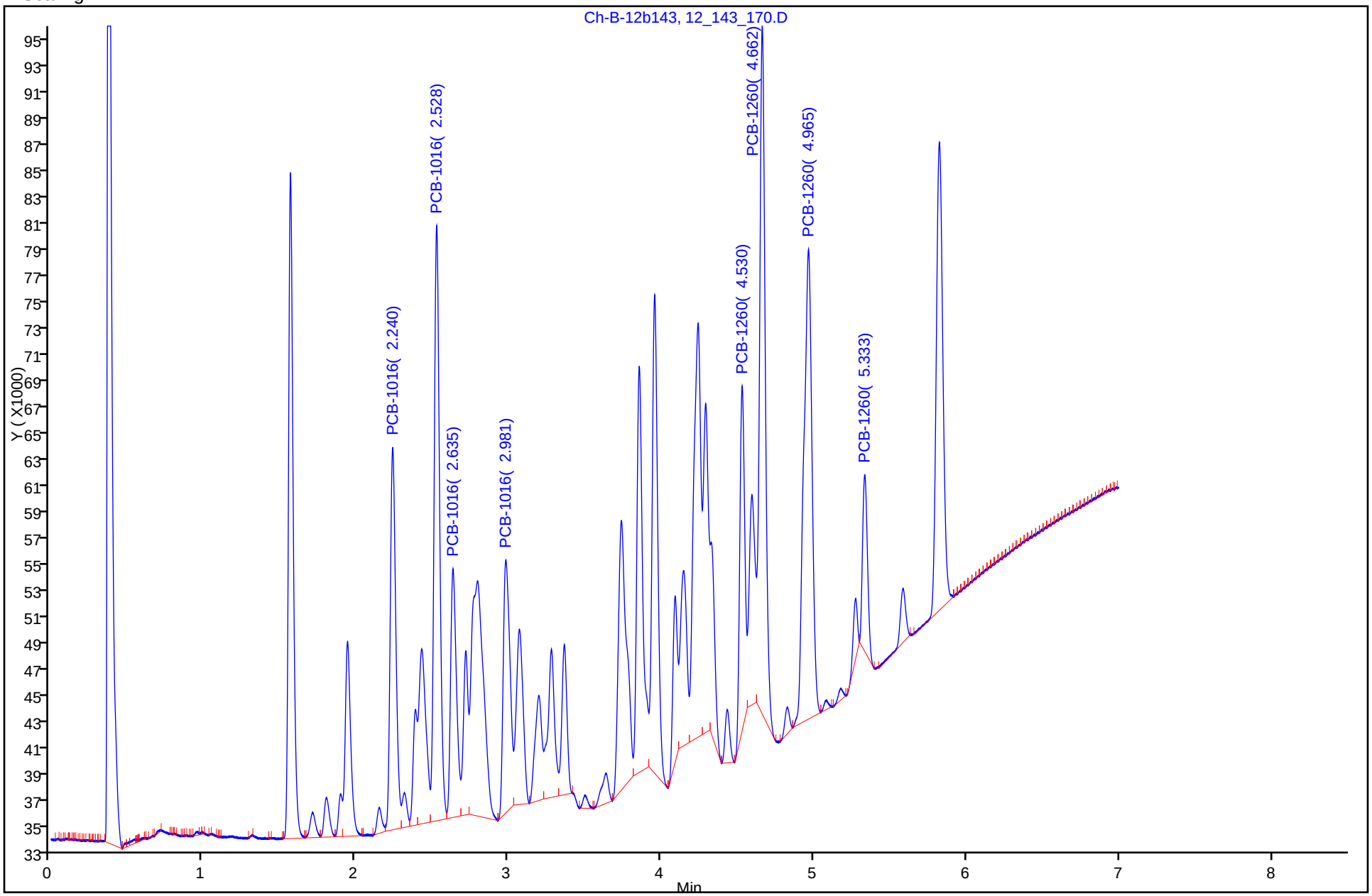
Det	Sig	RT	ADJ RT	DLT RT	Response	On-Col Amt ng/uL	Ratio Range	Ratio	Flags
E 12 DCB Decachlorobiphenyl									
1	1	6.385	6.388	-0.003	84201	0.0182			
2	2	5.823	5.824	-0.001	106019	0.0193			
						RPD = 5.52			

Report Date: 24-Oct-2011 18:39:56 Chrom Revision: 2.0 01-Sep-2011 14:10:00

Data File: \\Bufchrom\ChromData\HP5890-12\20111023-6917.b\12_143_170.D

Injection Date:	23-Oct-2011 14:38:59	Limit Group:	GC - 8082 PCB ICAL
Client ID:		Instrument ID:	HP5890-12
Lims Batch ID:	36827	Lims Sample ID:	14
Operator ID:	tchrom	Injection Vol:	1.00 ul

Y Scaling:



TestAmerica Laboratories
Target Compound Quantitation Report

Data File: \\Bufchrom\ChromData\HP5890-12\20111023-6917.b\12_143_171.D
Lims ID: std05 Client ID:
Inject. Date: 23-Oct-2011 14:53:45 Dil. Factor: 1.0000
Sample Type: IC Calib Level: 3
Sample ID:
Misc. Info.: Study: 480-0006862-032 Channel B: I/F Serial#, 9205571204
Operator: tchrom Instrument ID: HP5890-12
Vol. Injected: 1.0000 ALS Bottle#: 0
Lims Batch ID: 36827 Lims Sample ID: 15
Sublist: chrom-hp12_pcb*sub1
Detector 1 : Ch-A-7A136
Detector 2 : Ch-B-7b136

Method: \\Bufchrom\ChromData\HP5890-12\20111023-6917.b\hp12_pcb.m
Last Update: 24-Oct-2011 20:35:24 Calib Date: 23-Oct-2011 18:50:30
Quant Method: External Standard Quant By: Initial Calibration
Last ICal File: \\Bufchrom\ChromData\HP5890-12\20111023-6917.b\12_143_187.D
Limit Group: GC - 8082 PCB ICAL
Integrator: Falcon
Process Host: CORP-CTX-19

First Level Reviewer: michalej Date: 24-Oct-2011 20:35:24

Det	Sig	RT	ADJ RT	DLT RT	Response	On-Col Amt ng/uL	Ratio Range	Ratio	Flags
$ 3 Tetrachloro-m-xylene									
1	1	2.013	2.012	0.001	144005	0.0329			
2	2	1.570	1.570	0.000	188312	0.0337			
						RPD = 2.68			
6 PCB-1016									
1	1	2.569	2.567	0.002	116059	0.5088		100.0	
1	2	2.704	2.703	0.001	65965	0.5501	23.9- 83.9	56.8	
1	3	2.893	2.891	0.002	192025	0.5791	125.0- 185.0	165.5	
1	4	2.972	2.970	0.002	80362	0.6008	35.0- 95.0	69.2	
			Average of Peak Amounts =			0.5597			
2	5	2.239	2.239	0.000	160305	0.5306		100.0	
2	6	2.528	2.527	0.001	257342	0.5468	147.0- 207.0	160.5	
2	7	2.635	2.635	0.000	111263	0.5498	46.8- 106.8	69.4	
2	8	2.981	2.981	0.000	129654	0.5346	60.1- 120.1	80.9	
			Average of Peak Amounts =			0.5405			
						RPD = 3.50			
9 PCB-1260									
1	1	4.727	4.725	0.002	154782	0.5685		100.0	
1	2	5.085	5.085	0.000	244562	0.5576	117.3- 177.3	158.0	
1	3	5.304	5.304	0.000	103467	0.5845	33.5- 93.5	66.8	
1	4	5.755	5.756	-0.001	69638	0.5611	9.6- 69.6	45.0	
			Average of Peak Amounts =			0.5679			
2	5	4.531	4.531	0.000	136904	0.5589		100.0	
2	6	4.662	4.662	0.000	316007	0.5638	199.7- 259.7	230.8	
2	7	4.965	4.965	0.000	305023	0.5563	180.5- 240.5	222.8	
2	8	5.334	5.334	0.000	76835	0.5483	34.9- 94.9	56.1	
			Average of Peak Amounts =			0.5568			
						RPD = 1.97			

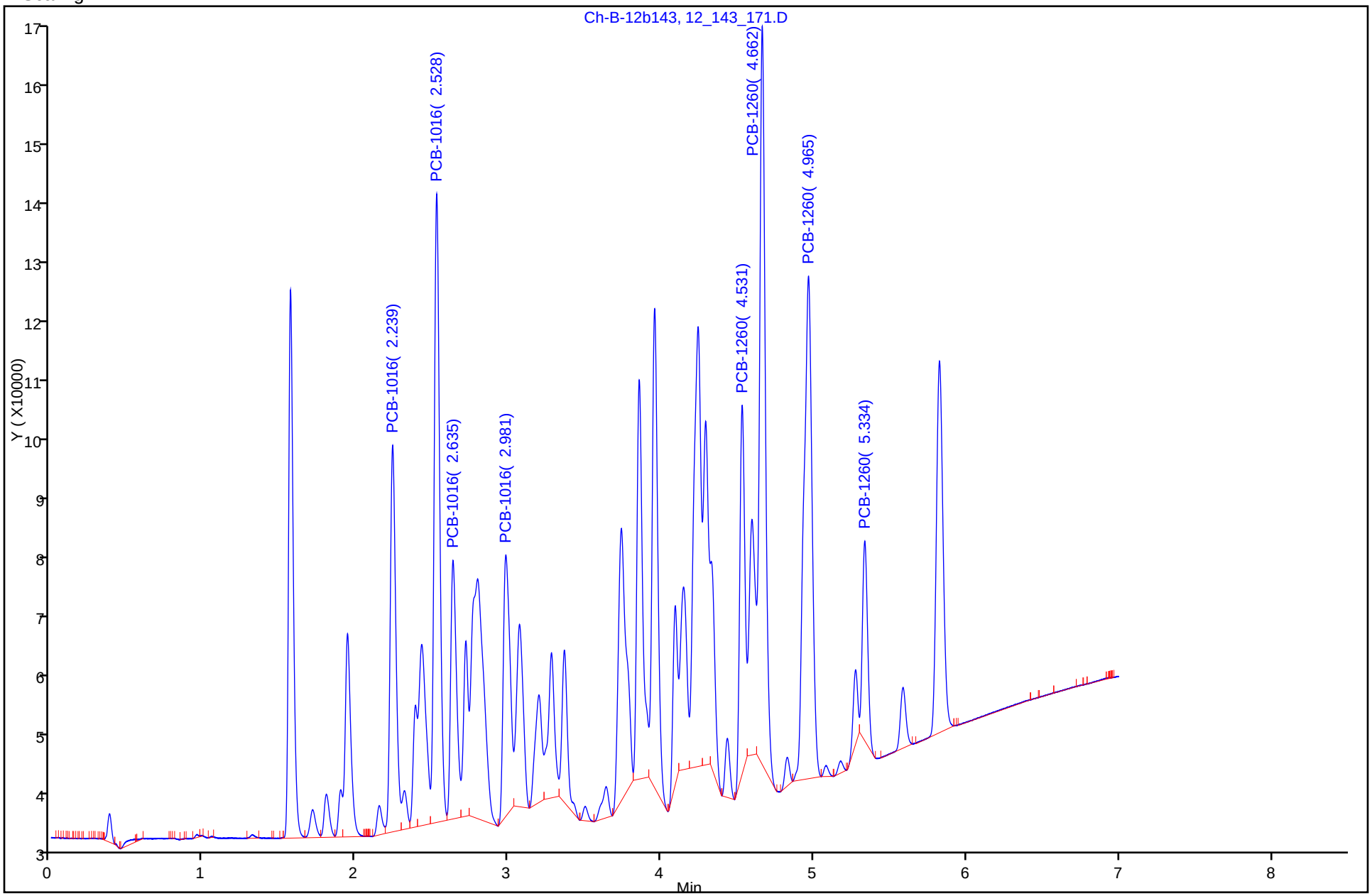
Det	Sig	RT	ADJ RT	DLT RT	Response	On-Col Amt ng/uL	Ratio Range	Ratio	Flags
E 12 DCB Decachlorobiphenyl									
1	1	6.387	6.388	-0.001	147455	0.0319			
2	2	5.823	5.824	-0.001	181164	0.0329			
						RPD = 3.07			

Report Date: 24-Oct-2011 20:35:25 Chrom Revision: 2.0 01-Sep-2011 14:10:00

Data File: \\Bufchrom\ChromData\HP5890-12\20111023-6917.b\12_143_171.D

Injection Date:	23-Oct-2011 14:53:45	Limit Group:	GC - 8082 PCB ICAL
Client ID:		Instrument ID:	HP5890-12
Lims Batch ID:	36827	Lims Sample ID:	15
Operator ID:	tchrom	Injection Vol:	1.00 ul

Y Scaling:



TestAmerica Laboratories
Target Compound Quantitation Report

Data File: \\Bufchrom\ChromData\HP5890-12\20111023-6917.b\12_143_172.D
Lims ID: std1 Client ID:
Inject. Date: 23-Oct-2011 15:08:29 Dil. Factor: 1.0000
Sample Type: IC Calib Level: 2
Sample ID:
Misc. Info.: Study: 480-0006862-033 Channel B: I/F Serial#, 9205571204
Operator: tchrom Instrument ID: HP5890-12
Vol. Injected: 1.0000 ALS Bottle#: 0
Lims Batch ID: 36827 Lims Sample ID: 16
Sublist: chrom-hp12_pcb*sub1
Detector 1 : Ch-A-7A136
Detector 2 : Ch-B-7b136

Method: \\Bufchrom\ChromData\HP5890-12\20111023-6917.b\hp12_pcb.m
Last Update: 24-Oct-2011 18:39:49 Calib Date: 23-Oct-2011 18:50:30
Quant Method: External Standard Quant By: Initial Calibration
Last ICal File: \\Bufchrom\ChromData\HP5890-12\20111023-6917.b\12_143_187.D
Limit Group: GC - 8082 PCB ICAL
Integrator: Falcon
Process Host: CORP-CTX-19

First Level Reviewer: michalej Date: 24-Oct-2011 18:39:49

Det	Sig	RT	ADJ RT	DLT RT	Response	On-Col Amt ng/uL	Ratio Range	Ratio	Flags
$ 3 Tetrachloro-m-xylene									
1	1	2.011	2.012	-0.001	177465	0.0402			
2	2	1.570	1.570	0.000	227497	0.0406			
						RPD = 0.95			
6 PCB-1016									
1	1	2.567	2.567	0.000	174457	0.7647		100.0	
1	2	2.703	2.703	0.000	101464	0.8462	23.9- 83.9	58.2	
1	3	2.891	2.891	0.000	304356	0.9179	125.0- 185.0	174.5	
1	4	2.969	2.970	-0.001	124491	0.9307	35.0- 95.0	71.4	
			Average of Peak Amounts =			0.8649			
2	5	2.239	2.239	0.000	241586	0.7997		100.0	
2	6	2.527	2.527	0.000	402738	0.8558	147.0- 207.0	166.7	
2	7	2.635	2.635	0.000	173917	0.8594	46.8- 106.8	72.0	
2	8	2.981	2.981	0.000	205747	0.8484	60.1- 120.1	85.2	
			Average of Peak Amounts =			0.8408			
						RPD = 2.82			
9 PCB-1260									
1	1	4.725	4.725	0.000	258985	0.9513		100.0	
1	2	5.085	5.085	0.000	394053	0.8984	117.3- 177.3	152.2	
1	3	5.303	5.304	-0.001	169567	0.9579	33.5- 93.5	65.5	
1	4	5.755	5.756	-0.001	110995	0.8943	9.6- 69.6	42.9	
			Average of Peak Amounts =			0.9255			
2	5	4.530	4.531	-0.001	219757	0.8972		100.0	
2	6	4.661	4.662	-0.001	505598	0.9020	199.7- 259.7	230.1	
2	7	4.965	4.965	0.000	473075	0.8628	180.5- 240.5	215.3	
2	8	5.333	5.334	-0.001	129858	0.9266	34.9- 94.9	59.1	
			Average of Peak Amounts =			0.8971			
						RPD = 3.11			

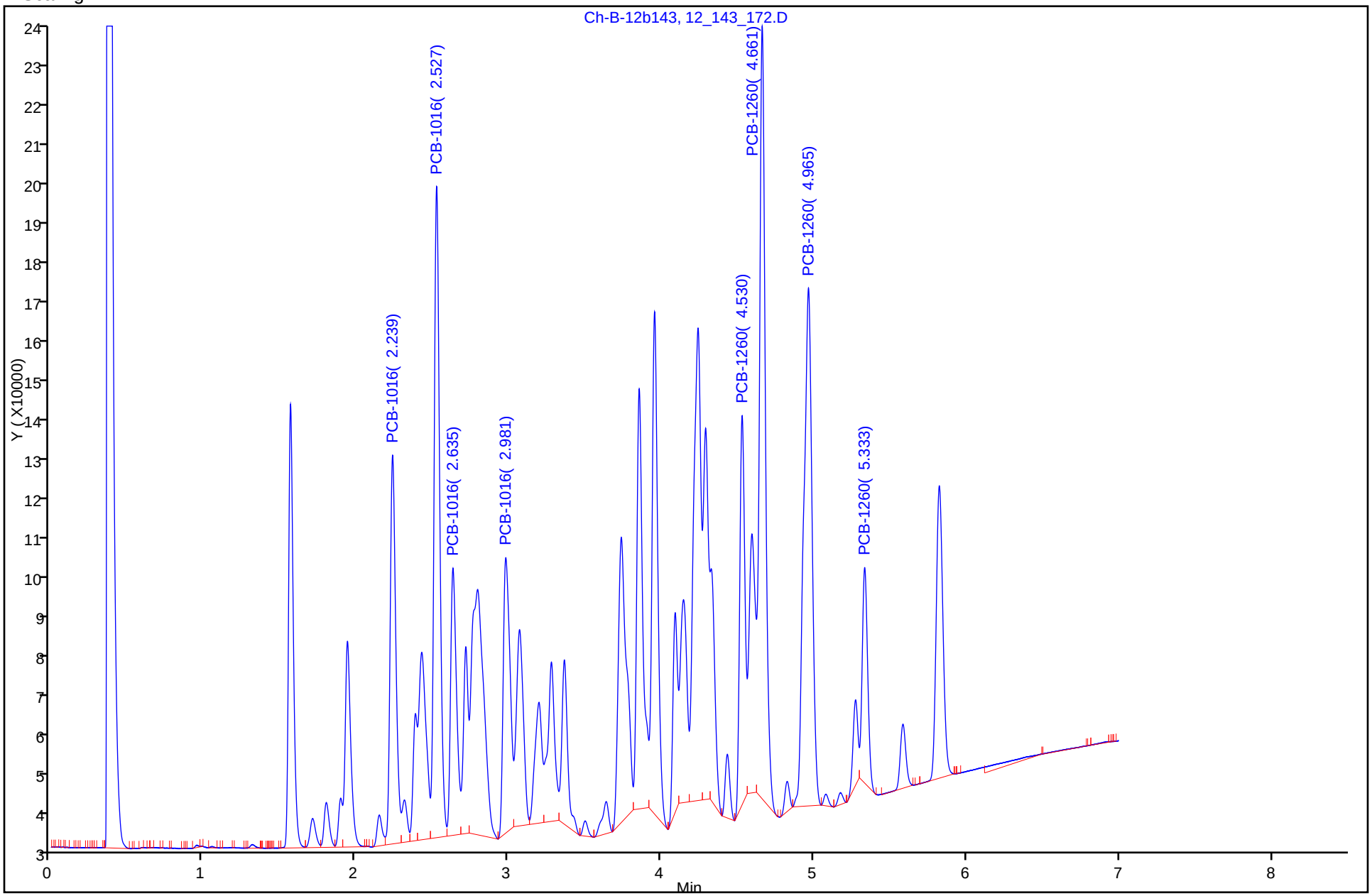
Det	Sig	RT	ADJ RT	DLT RT	Response	On-Col Amt ng/uL	Ratio Range	Ratio	Flags
E 12 DCB Decachlorobiphenyl									
1	1	6.387	6.388	-0.001	177500	0.0384			
2	2	5.822	5.824	-0.002	213921	0.0389			
						RPD = 1.14			

Report Date: 24-Oct-2011 18:39:50 Chrom Revision: 2.0 01-Sep-2011 14:10:00

Data File: \\Bufchrom\ChromData\HP5890-12\20111023-6917.b\12_143_172.D

Injection Date:	23-Oct-2011 15:08:29	Limit Group:	GC - 8082 PCB ICAL
Client ID:		Instrument ID:	HP5890-12
Lims Batch ID:	36827	Lims Sample ID:	16
Operator ID:	tchrom	Injection Vol:	1.00 ul

Y Scaling:



TestAmerica Laboratories
Target Compound Quantitation Report

Data File: \\Bufchrom\ChromData\HP5890-12\20111023-6917.b\12_143_173.D
Lims ID: std2 Client ID:
Inject. Date: 23-Oct-2011 15:23:12 Dil. Factor: 1.0000
Sample Type: IC Calib Level: 1
Sample ID:
Misc. Info.: Study: 480-0006862-035 Channel B: I/F Serial#, 9205571204
Operator: tchrom Instrument ID: HP5890-12
Vol. Injected: 1.0000 ALS Bottle#: 0
Lims Batch ID: 36827 Lims Sample ID: 17
Sublist: chrom-hp12_pcb*sub1
Detector 1 : Ch-A-7A136
Detector 2 : Ch-B-7b136

Method: \\Bufchrom\ChromData\HP5890-12\20111023-6917.b\hp12_pcb.m
Last Update: 24-Oct-2011 19:42:47 Calib Date: 23-Oct-2011 18:50:30
Quant Method: External Standard Quant By: Initial Calibration
Last ICal File: \\Bufchrom\ChromData\HP5890-12\20111023-6917.b\12_143_187.D
Limit Group: GC - 8082 PCB ICAL
Integrator: Falcon
Process Host: CORP-CTX-19

First Level Reviewer: michalej Date: 24-Oct-2011 19:42:47

Det	Sig	RT	ADJ RT	DLT RT	Response	On-Col Amt ng/uL	Ratio Range	Ratio	Flags
$ 3 Tetrachloro-m-xylene									
1	1	2.012	2.012	0.000	222031	0.0500			
2	2	1.570	1.570	0.000	267702	0.0476			
						RPD = 4.89			
6 PCB-1016									
1	1	2.567	2.567	0.000	401167	1.76		100.0	
1	2	2.703	2.703	0.000	216085	1.80	23.9- 83.9	53.9	
1	3	2.891	2.891	0.000	621696	1.87	125.0- 185.0	155.0	
1	4	2.970	2.970	0.000	260746	1.95	35.0- 95.0	65.0	
			Average of Peak Amounts =			1.85			
2	5	2.239	2.239	0.000	425561	1.41		100.0	
2	6	2.527	2.527	0.000	753069	1.60	147.0- 207.0	177.0	
2	7	2.635	2.635	0.000	326641	1.61	46.8- 106.8	76.8	
2	8	2.981	2.981	0.000	383265	1.58	60.1- 120.1	90.1	
			Average of Peak Amounts =			1.55			
						RPD = 17.39			
9 PCB-1260									
1	1	4.725	4.725	0.000	545114	2.00		100.0	
1	2	5.085	5.085	0.000	802906	1.83	117.3- 177.3	147.3	
1	3	5.304	5.304	0.000	345969	1.95	33.5- 93.5	63.5	
1	4	5.756	5.756	0.000	216066	1.74	9.6- 69.6	39.6	
			Average of Peak Amounts =			1.88			
2	5	4.531	4.531	0.000	419839	1.71		100.0	
2	6	4.662	4.662	0.000	964464	1.72	199.7- 259.7	229.7	
2	7	4.965	4.965	0.000	883587	1.61	180.5- 240.5	210.5	
2	8	5.334	5.334	0.000	272614	1.95	34.9- 94.9	64.9	
			Average of Peak Amounts =			1.75			
						RPD = 7.39			

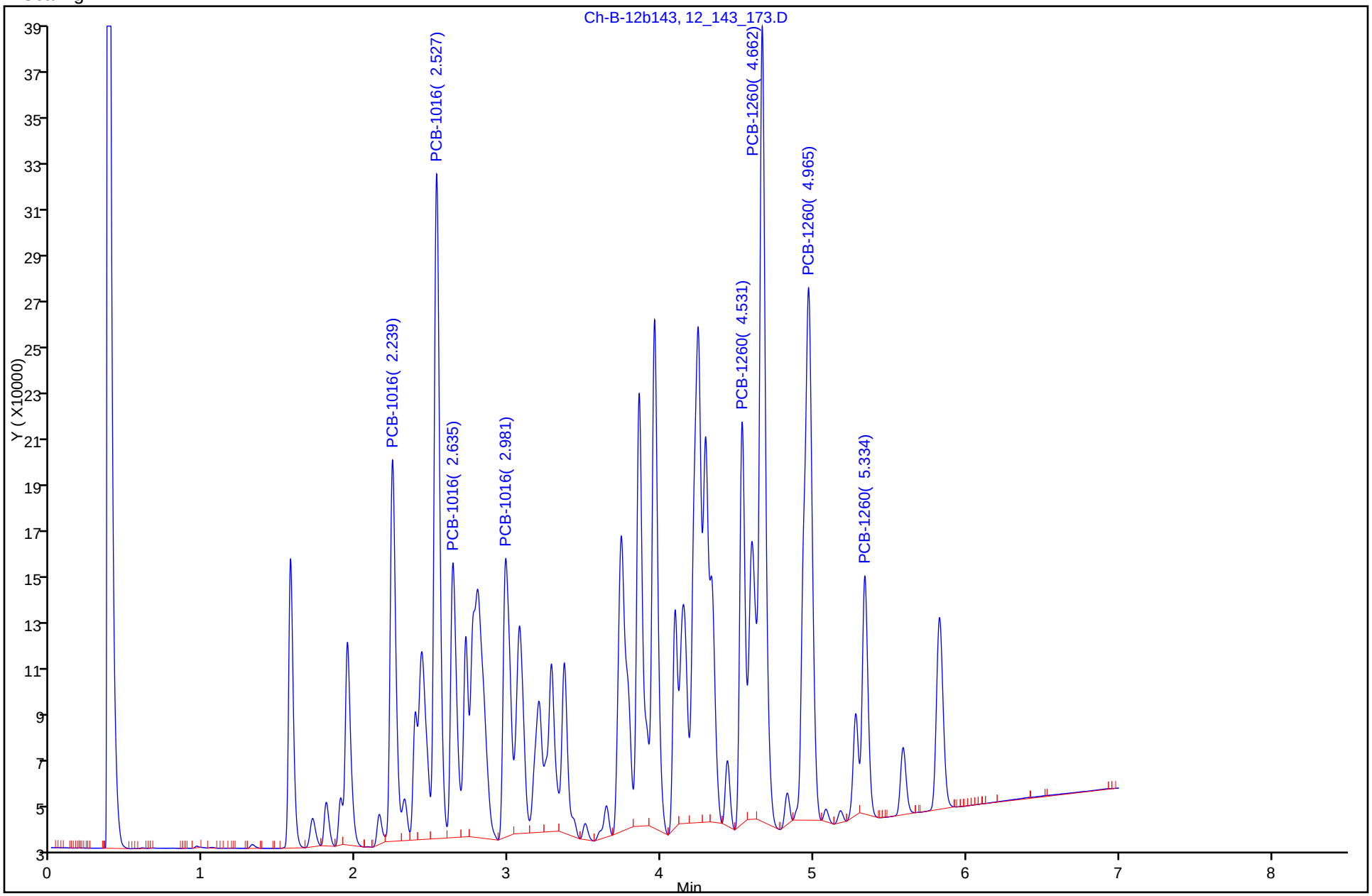
Det	Sig	RT	ADJ RT	DLT RT	Response	On-Col Amt ng/uL	Ratio Range	Ratio	Flags
E 12 DCB Decachlorobiphenyl									
1	1	6.388	6.388	0.000	210594	0.0456			
2	2	5.824	5.824	0.000	254611	0.0463			
						RPD = 1.46			

Report Date: 24-Oct-2011 19:42:47 Chrom Revision: 2.0 01-Sep-2011 14:10:00

Data File: \\Bufchrom\ChromData\HP5890-12\20111023-6917.b\12_143_173.D

Injection Date:	23-Oct-2011 15:23:12	Limit Group:	GC - 8082 PCB ICAL
Client ID:		Instrument ID:	HP5890-12
Lims Batch ID:	36827	Lims Sample ID:	17
Operator ID:	tchrom	Injection Vol:	1.00 ul

Y Scaling:



FORM VI
PCBS INITIAL CALIBRATION DATA
EXTERNAL STANDARD RETENTION TIME SUMMARY

Lab Name: TestAmerica Buffalo Job No.: 480-18068-1 Analy Batch No.: 36827

SDG No.:

Instrument ID: HP5890-12 GC Column: ZB-5 ID: 0.53(mm) Heated Purge: (Y/N) N

Calibration Start Date: 10/23/2011 15:52 Calibration End Date: 10/23/2011 15:52 Calibration ID: 4300

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	STD1221 480-36827/19	12_143_175.D

ANALYTE	LVL 1										RT WINDOW	AVG RT
PCB-1221 Peak 1	1.591										1.561 - 1.621	1.591
PCB-1221 Peak 2	1.848										1.818 - 1.878	1.848
PCB-1221 Peak 3	2.148										2.118 - 2.178	2.148
PCB-1221 Peak 4	2.265										2.235 - 2.295	2.265

FORM VI
PCBS INITIAL CALIBRATION DATA
EXTERNAL STANDARD CURVE EVALUATION

Lab Name: TestAmerica Buffalo Job No.: 480-18068-1 Analy Batch No.: 36827

SDG No.:

Instrument ID: HP5890-12 GC Column: ZB-5 ID: 0.53(mm) Heated Purge: (Y/N) N

Calibration Start Date: 10/23/2011 15:52 Calibration End Date: 10/23/2011 15:52 Calibration ID: 4300

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	STD1221 480-36827/19	12_143_175.D

ANALYTE	CF				CURVE TYPE	COEFFICIENT			#	MIN CF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1					B	M1	M2								
PCB-1221 Peak 1	61564				Ave		61564.0000						20.0			
PCB-1221 Peak 2	23206				Ave		23206.0000						20.0			
PCB-1221 Peak 3	55686				Ave		55686.0000						20.0			
PCB-1221 Peak 4	159066				Ave		159066.000						20.0			

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

FORM VI
PCBS INITIAL CALIBRATION DATA
EXTERNAL STANDARD RESPONSE AND CONCENTRATION

Lab Name: TestAmerica Buffalo Job No.: 480-18068-1 Analy Batch No.: 36827

SDG No.:

Instrument ID: HP5890-12 GC Column: ZB-5 ID: 0.53(mm) Heated Purge: (Y/N) N

Calibration Start Date: 10/23/2011 15:52 Calibration End Date: 10/23/2011 15:52 Calibration ID: 4300

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	STD1221 480-36827/19	12_143_175.D

ANALYTE	CURVE TYPE	RESPONSE					CONCENTRATION (NG/UL)				
		LVL 1					LVL 1				
PCB-1221 Peak 1	Ave	30782					0.500				
PCB-1221 Peak 2	Ave	11603					0.500				
PCB-1221 Peak 3	Ave	27843					0.500				
PCB-1221 Peak 4	Ave	79533					0.500				

Curve Type Legend:

Ave = Average

TestAmerica Laboratories
Target Compound Quantitation Report

Data File: \\Bufchrom\ChromData\HP5890-12\20111023-6917.b\12_143_175.D
Lims ID: std1221 Client ID:
Inject. Date: 23-Oct-2011 15:52:42 Dil. Factor: 1.0000
Sample Type: IC Calib Level: 1
Sample ID:
Misc. Info.: Study: 480-0006862-036 Channel B: I/F Serial#, 9205571204
Operator: tchrom Instrument ID: HP5890-12
Vol. Injected: 1.0000 ALS Bottle#: 0
Lims Batch ID: 36827 Lims Sample ID: 19
Sublist: chrom-hp12_pcb*sub3
Detector 1 : Ch-A-7A136
Detector 2 : Ch-B-7b136

Method: \\Bufchrom\ChromData\HP5890-12\20111023-6917.b\hp12_pcb.m
Last Update: 24-Oct-2011 18:12:31 Calib Date: 23-Oct-2011 17:51:10
Quant Method: External Standard Quant By: Initial Calibration
Last ICal File: \\Bufchrom\ChromData\HP5890-12\20111023-6917.b\12_143_183.D
Limit Group: GC - 8082 PCB ICAL
Integrator: Falcon
Process Host: CORP-CTX-19

First Level Reviewer: michalej Date: 24-Oct-2011 18:12:31

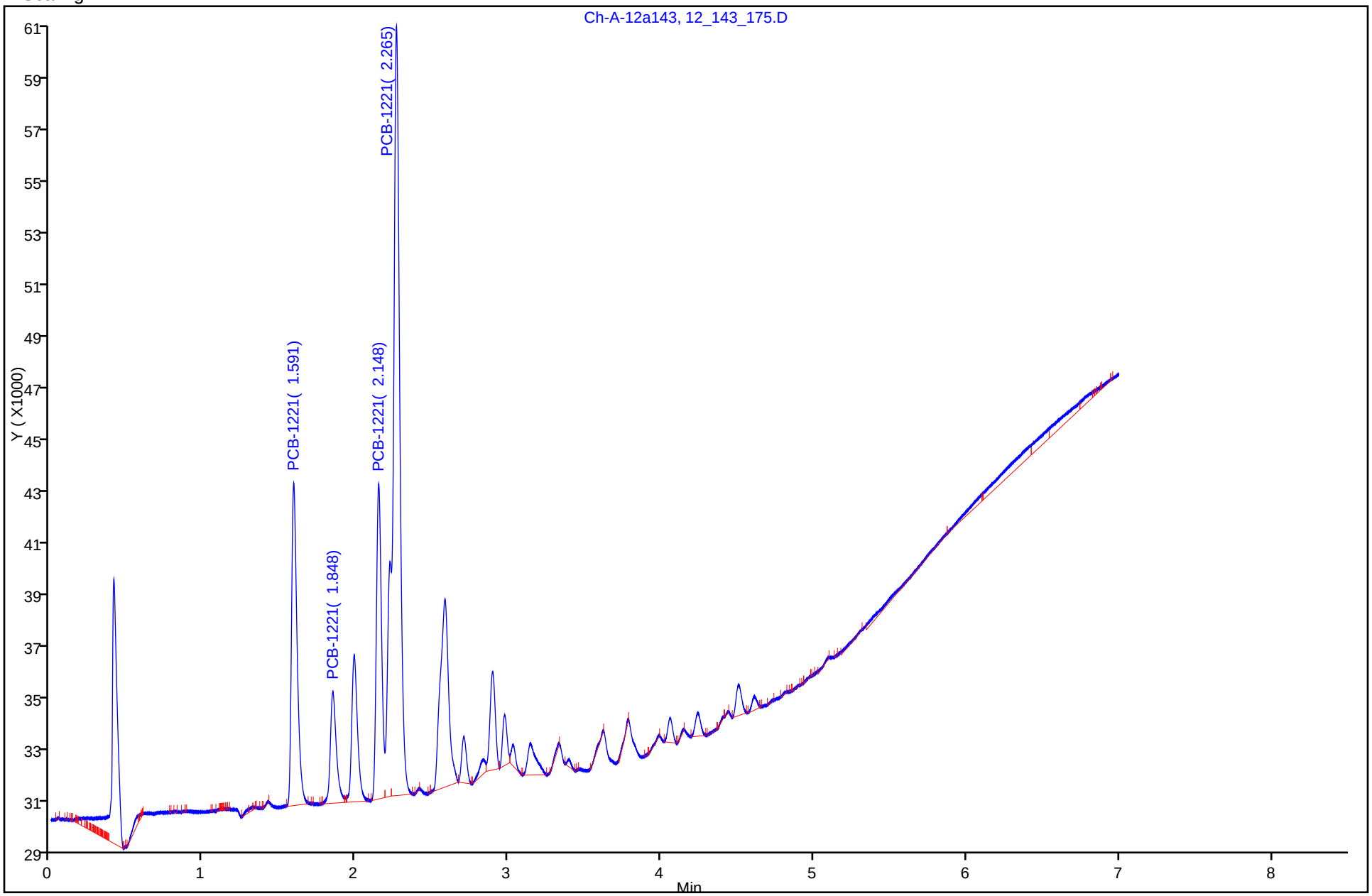
Det	Sig	RT	ADJ RT	DLT RT	Response	On-Col Amt ng/uL	Ratio Range	Ratio	Flags
2 PCB-1221									
1	1	1.591	1.591	0.000	30782	0.5000		100.0	
1	2	1.848	1.848	0.000	11603	0.5000	7.7- 67.7	37.7	A
1	3	2.148	2.148	0.000	27843	0.5000	60.5- 120.5	90.5	A
1	4	2.265	2.265	0.000	79533	0.5000	228.4- 288.4	258.4	A
			Average of Peak Amounts =			0.5000			
2	5	1.319	1.319	0.000	38041	0.5000		100.0	
2	6	1.713	1.713	0.000	17741	0.5000	16.6- 76.6	46.6	A
2	7	1.803	1.803	0.000	38991	0.5000	72.5- 132.5	102.5	A
2	8	1.943	1.943	0.000	101078	0.5000	235.7- 295.7	265.7	A
			Average of Peak Amounts =			0.5000			
						RPD = 0.00			

Report Date: 24-Oct-2011 18:12:32 Chrom Revision: 2.0 01-Sep-2011 14:10:00

Data File: \\Bufchrom\ChromData\HP5890-12\20111023-6917.b\12_143_175.D

Injection Date:	23-Oct-2011 15:52:42	Limit Group:	GC - 8082 PCB ICAL
Client ID:		Instrument ID:	HP5890-12
Lims Batch ID:	36827	Lims Sample ID:	19
Operator ID:	tchrom	Injection Vol:	1.00 ul

Y Scaling:



FORM VI
PCBS INITIAL CALIBRATION DATA
EXTERNAL STANDARD RETENTION TIME SUMMARY

Lab Name: TestAmerica Buffalo Job No.: 480-18068-1 Analy Batch No.: 36827

SDG No.:

Instrument ID: HP5890-12 GC Column: ZB-35 ID: 0.53(mm) Heated Purge: (Y/N) N

Calibration Start Date: 10/23/2011 15:52 Calibration End Date: 10/23/2011 15:52 Calibration ID: 4301

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	STD1221 480-36827/19	12_143_175.D

ANALYTE	LVL 1										RT WINDOW	AVG RT
PCB-1221 Peak 1	1.319										1.289 - 1.349	1.319
PCB-1221 Peak 2	1.713										1.683 - 1.743	1.713
PCB-1221 Peak 3	1.803										1.773 - 1.833	1.803
PCB-1221 Peak 4	1.943										1.913 - 1.973	1.943

FORM VI
PCBS INITIAL CALIBRATION DATA
EXTERNAL STANDARD CURVE EVALUATION

Lab Name: TestAmerica Buffalo Job No.: 480-18068-1 Analy Batch No.: 36827

SDG No.:

Instrument ID: HP5890-12 GC Column: ZB-35 ID: 0.53(mm) Heated Purge: (Y/N) N

Calibration Start Date: 10/23/2011 15:52 Calibration End Date: 10/23/2011 15:52 Calibration ID: 4301

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	STD1221 480-36827/19	12_143_175.D

ANALYTE	CF				CURVE TYPE	COEFFICIENT			#	MIN CF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1					B	M1	M2								
PCB-1221 Peak 1	76082				Ave		76082.0000						20.0			
PCB-1221 Peak 2	35482				Ave		35482.0000						20.0			
PCB-1221 Peak 3	77982				Ave		77982.0000						20.0			
PCB-1221 Peak 4	202156				Ave		202156.000						20.0			

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

FORM VI
PCBS INITIAL CALIBRATION DATA
EXTERNAL STANDARD RESPONSE AND CONCENTRATION

Lab Name: TestAmerica Buffalo Job No.: 480-18068-1 Analy Batch No.: 36827

SDG No.:

Instrument ID: HP5890-12 GC Column: ZB-35 ID: 0.53(mm) Heated Purge: (Y/N) N

Calibration Start Date: 10/23/2011 15:52 Calibration End Date: 10/23/2011 15:52 Calibration ID: 4301

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	STD1221 480-36827/19	12_143_175.D

ANALYTE	CURVE TYPE	RESPONSE					CONCENTRATION (NG/UL)				
		LVL 1					LVL 1				
PCB-1221 Peak 1	Ave	38041					0.500				
PCB-1221 Peak 2	Ave	17741					0.500				
PCB-1221 Peak 3	Ave	38991					0.500				
PCB-1221 Peak 4	Ave	101078					0.500				

Curve Type Legend:

Ave = Average

TestAmerica Laboratories
Target Compound Quantitation Report

Data File:	\\Bufchrom\ChromData\HP5890-12\20111023-6917.b\12_143_175.D		
Lims ID:	std1221	Client ID:	
Inject. Date:	23-Oct-2011 15:52:42	Dil. Factor:	1.0000
Sample Type:	IC	Calib Level:	1
Sample ID:			
Misc. Info.:	Study: 480-0006862-036 Channel B: I/F Serial#, 9205571204		
Operator:	tchrom	Instrument ID:	HP5890-12
Vol. Injected:	1.0000	ALS Bottle#:	0
Lims Batch ID:	36827	Lims Sample ID:	19
Sublist:	chrom-hp12_pcb*sub3		
Detector 1 :	Ch-A-7A136		
Detector 2 :	Ch-B-7b136		
Method:	\\Bufchrom\ChromData\HP5890-12\20111023-6917.b\hp12_pcb.m		
Last Update:	24-Oct-2011 18:12:31	Calib Date:	23-Oct-2011 17:51:10
Quant Method:	External Standard	Quant By:	Initial Calibration
Last ICal File:	\\Bufchrom\ChromData\HP5890-12\20111023-6917.b\12_143_183.D		
Limit Group:	GC - 8082 PCB ICAL		
Integrator:	Falcon		
Process Host:	CORP-CTX-19		

First Level Reviewer: michalej Date: 24-Oct-2011 18:12:31

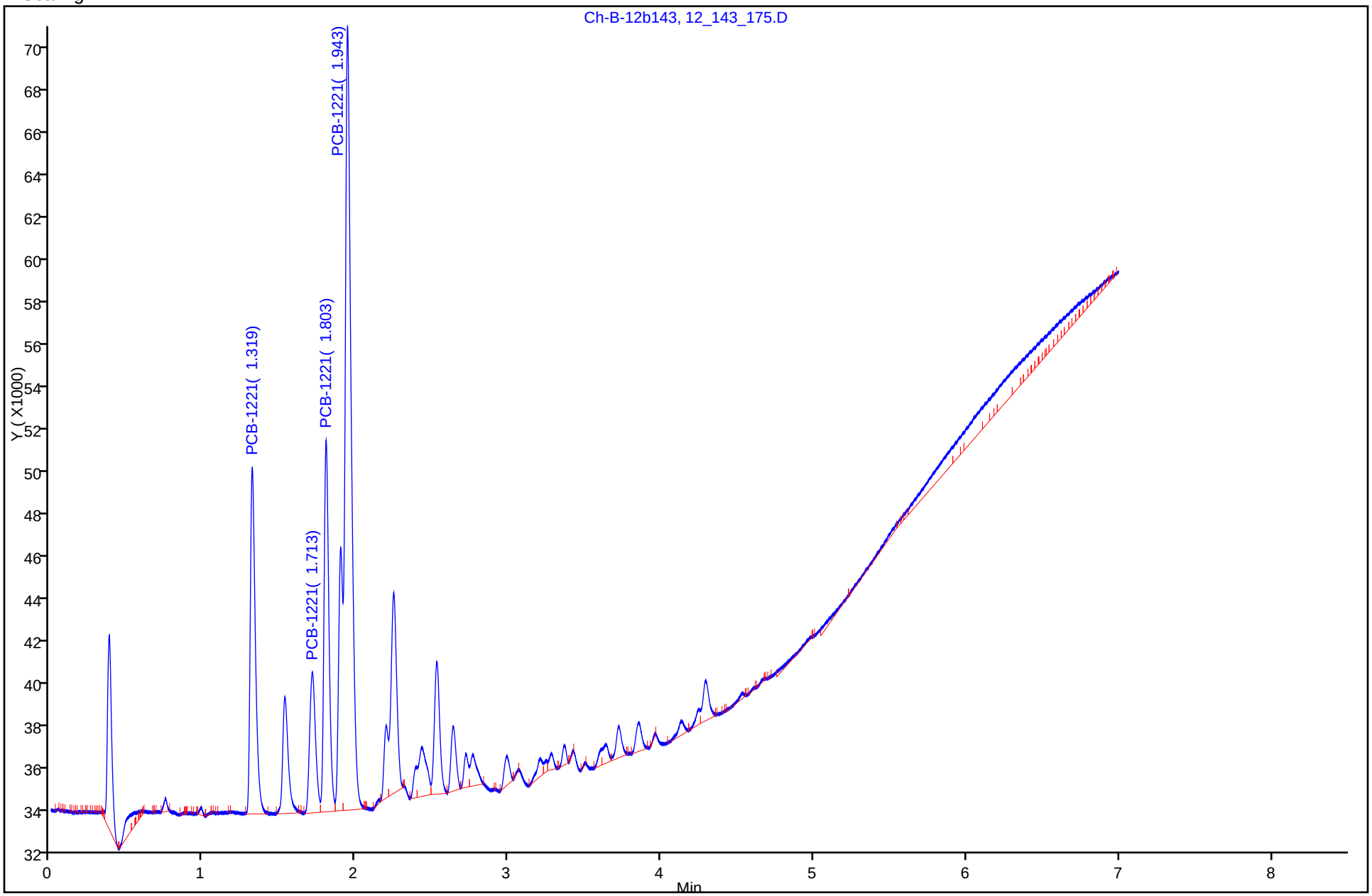
Det	Sig	RT	ADJ RT	DLT RT	Response	On-Col Amt ng/uL	Ratio Range	Ratio	Flags
2 PCB-1221									
1	1	1.591	1.591	0.000	30782	0.5000		100.0	
1	2	1.848	1.848	0.000	11603	0.5000	7.7- 67.7	37.7	A
1	3	2.148	2.148	0.000	27843	0.5000	60.5- 120.5	90.5	A
1	4	2.265	2.265	0.000	79533	0.5000	228.4- 288.4	258.4	A
			Average of Peak Amounts =			0.5000			
2	5	1.319	1.319	0.000	38041	0.5000		100.0	
2	6	1.713	1.713	0.000	17741	0.5000	16.6- 76.6	46.6	A
2	7	1.803	1.803	0.000	38991	0.5000	72.5- 132.5	102.5	A
2	8	1.943	1.943	0.000	101078	0.5000	235.7- 295.7	265.7	A
			Average of Peak Amounts =			0.5000			
						RPD = 0.00			

Report Date: 24-Oct-2011 18:12:32 Chrom Revision: 2.0 01-Sep-2011 14:10:00

Data File: \\Bufchrom\ChromData\HP5890-12\20111023-6917.b\12_143_175.D

Injection Date:	23-Oct-2011 15:52:42	Limit Group:	GC - 8082 PCB ICAL
Client ID:		Instrument ID:	HP5890-12
Lims Batch ID:	36827	Lims Sample ID:	19
Operator ID:	tchrom	Injection Vol:	1.00 ul

Y Scaling:



FORM VI
PCBS INITIAL CALIBRATION DATA
EXTERNAL STANDARD RETENTION TIME SUMMARY

Lab Name: TestAmerica Buffalo Job No.: 480-18068-1 Analy Batch No.: 36827

SDG No.:

Instrument ID: HP5890-12 GC Column: ZB-5 ID: 0.53(mm) Heated Purge: (Y/N) N

Calibration Start Date: 10/23/2011 16:22 Calibration End Date: 10/23/2011 16:22 Calibration ID: 4386

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	STD1232 480-36827/21	12_143_177.D

ANALYTE	LVL 1										RT WINDOW	AVG RT
PCB-1232 Peak 1	2.262										2.232 - 2.292	2.262
PCB-1232 Peak 2	2.569										2.539 - 2.599	2.569
PCB-1232 Peak 3	2.704										2.674 - 2.734	2.704
PCB-1232 Peak 4	2.892										2.862 - 2.922	2.892

FORM VI
PCBS INITIAL CALIBRATION DATA
EXTERNAL STANDARD CURVE EVALUATION

Lab Name: TestAmerica Buffalo Job No.: 480-18068-1 Analy Batch No.: 36827

SDG No.:

Instrument ID: HP5890-12 GC Column: ZB-5 ID: 0.53(mm) Heated Purge: (Y/N) N

Calibration Start Date: 10/23/2011 16:22 Calibration End Date: 10/23/2011 16:22 Calibration ID: 4386

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	STD1232 480-36827/21	12_143_177.D

ANALYTE	CF				CURVE TYPE	COEFFICIENT			#	MIN CF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1					B	M1	M2								
PCB-1232 Peak 1	131016				Ave		131016.000						20.0			
PCB-1232 Peak 2	131742				Ave		131742.000						20.0			
PCB-1232 Peak 3	59138				Ave		59138.0000						20.0			
PCB-1232 Peak 4	153866				Ave		153866.000						20.0			

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

FORM VI
PCBS INITIAL CALIBRATION DATA
EXTERNAL STANDARD RESPONSE AND CONCENTRATION

Lab Name: TestAmerica Buffalo Job No.: 480-18068-1 Analy Batch No.: 36827

SDG No.:

Instrument ID: HP5890-12 GC Column: ZB-5 ID: 0.53(mm) Heated Purge: (Y/N) N

Calibration Start Date: 10/23/2011 16:22 Calibration End Date: 10/23/2011 16:22 Calibration ID: 4386

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	STD1232 480-36827/21	12_143_177.D

ANALYTE	CURVE TYPE	RESPONSE					CONCENTRATION (NG/UL)				
		LVL 1					LVL 1				
PCB-1232 Peak 1	Ave	65508					0.500				
PCB-1232 Peak 2	Ave	65871					0.500				
PCB-1232 Peak 3	Ave	29569					0.500				
PCB-1232 Peak 4	Ave	76933					0.500				

Curve Type Legend:

Ave = Average

TestAmerica Laboratories
Target Compound Quantitation Report

Data File:	\\Bufchrom\ChromData\HP5890-12\20111023-6917.b\12_143_177.D		
Lims ID:	std1232	Client ID:	
Inject. Date:	23-Oct-2011 16:22:13	Dil. Factor:	1.0000
Sample Type:	IC	Calib Level:	1
Sample ID:			
Misc. Info.:	Study: 480-0006862-038 Channel B: I/F Serial#, 9205571204		
Operator:	tchrom	Instrument ID:	HP5890-12
Vol. Injected:	1.0000	ALS Bottle#:	0
Lims Batch ID:	36827	Lims Sample ID:	21
Sublist:	chrom-hp12_pcb*sub4		
Detector 1 :	Ch-A-7A136		
Detector 2 :	Ch-B-7b136		
Method:	\\Bufchrom\ChromData\HP5890-12\20111023-6917.b\hp12_pcb.m		
Last Update:	24-Oct-2011 20:28:20	Calib Date:	23-Oct-2011 18:50:30
Quant Method:	External Standard	Quant By:	Initial Calibration
Last ICal File:	\\Bufchrom\ChromData\HP5890-12\20111023-6917.b\12_143_187.D		
Limit Group:	GC - 8082 PCB ICAL		
Integrator:	Falcon		
Process Host:	CORP-CTX-19		

First Level Reviewer: michalej Date: 24-Oct-2011 20:28:20

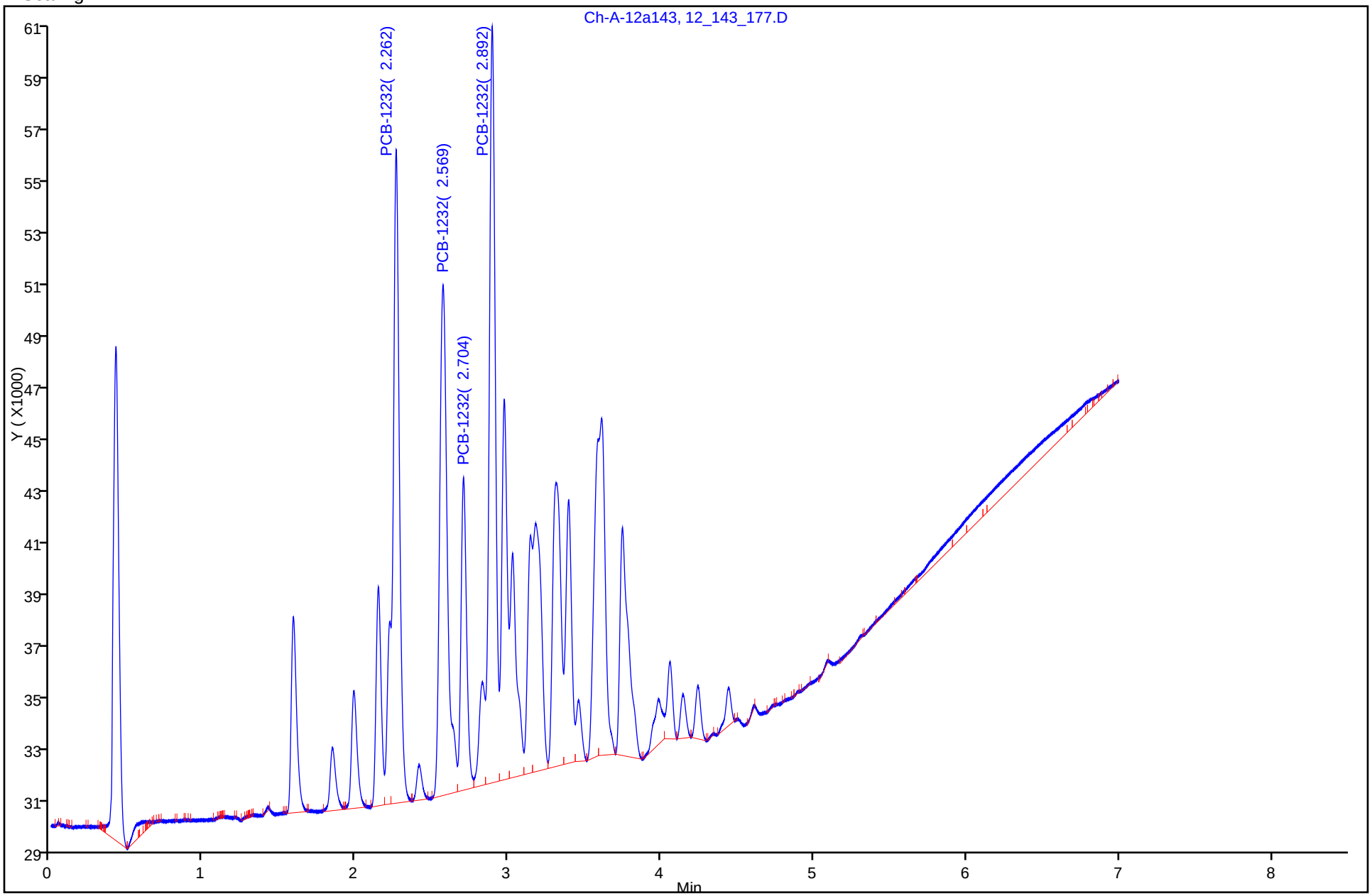
Det	Sig	RT	ADJ RT	DLT RT	Response	On-Col Amt ng/uL	Ratio Range	Ratio	Flags
5 PCB-1232									
1	1	2.262	2.262	0.000	65508	0.5000		100.0	
1	2	2.569	2.569	0.000	65871	0.5000	70.6- 130.6	100.6	
1	3	2.704	2.704	0.000	29569	0.5000	15.1- 75.1	45.1	
1	4	2.892	2.892	0.000	76933	0.5000	87.4- 147.4	117.4	
			Average of Peak Amounts =			0.5000			
2	5	1.943	1.943	0.000	83499	0.5000		100.0	
2	6	2.241	2.241	0.000	76971	0.5000	62.2- 122.2	92.2	
2	7	2.528	2.528	0.000	102291	0.5000	92.5- 152.5	122.5	
2	8	2.635	2.635	0.000	46166	0.5000	25.3- 85.3	55.3	
			Average of Peak Amounts =			0.5000			
						RPD = 0.00			

Report Date: 24-Oct-2011 20:28:21 Chrom Revision: 2.0 01-Sep-2011 14:10:00

Data File: \\Bufchrom\ChromData\HP5890-12\20111023-6917.b\12_143_177.D

Injection Date:	23-Oct-2011 16:22:13	Limit Group:	GC - 8082 PCB ICAL
Client ID:		Instrument ID:	HP5890-12
Lims Batch ID:	36827	Lims Sample ID:	21
Operator ID:	tchrom	Injection Vol:	1.00 ul

Y Scaling:



FORM VI
PCBS INITIAL CALIBRATION DATA
EXTERNAL STANDARD RETENTION TIME SUMMARY

Lab Name: TestAmerica Buffalo Job No.: 480-18068-1 Analy Batch No.: 36827

SDG No.:

Instrument ID: HP5890-12 GC Column: ZB-35 ID: 0.53(mm) Heated Purge: (Y/N) N

Calibration Start Date: 10/23/2011 16:22 Calibration End Date: 10/23/2011 16:22 Calibration ID: 4387

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	STD1232 480-36827/21	12_143_177.D

ANALYTE	LVL 1										RT WINDOW	AVG RT
PCB-1232 Peak 1	1.943										1.913 - 1.973	1.943
PCB-1232 Peak 2	2.241										2.211 - 2.271	2.241
PCB-1232 Peak 3	2.528										2.498 - 2.558	2.528
PCB-1232 Peak 4	2.635										2.605 - 2.665	2.635

FORM VI
PCBS INITIAL CALIBRATION DATA
EXTERNAL STANDARD CURVE EVALUATION

Lab Name: TestAmerica Buffalo Job No.: 480-18068-1 Analy Batch No.: 36827

SDG No.:

Instrument ID: HP5890-12 GC Column: ZB-35 ID: 0.53(mm) Heated Purge: (Y/N) N

Calibration Start Date: 10/23/2011 16:22 Calibration End Date: 10/23/2011 16:22 Calibration ID: 4387

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	STD1232 480-36827/21	12_143_177.D

ANALYTE	CF				CURVE TYPE	COEFFICIENT			#	MIN CF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1					B	M1	M2								
PCB-1232 Peak 1	166998				Ave		166998.000						20.0			
PCB-1232 Peak 2	153942				Ave		153942.000						20.0			
PCB-1232 Peak 3	204582				Ave		204582.000						20.0			
PCB-1232 Peak 4	92332				Ave		92332.0000						20.0			

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

FORM VI
PCBS INITIAL CALIBRATION DATA
EXTERNAL STANDARD RESPONSE AND CONCENTRATION

Lab Name: TestAmerica Buffalo Job No.: 480-18068-1 Analy Batch No.: 36827

SDG No.:

Instrument ID: HP5890-12 GC Column: ZB-35 ID: 0.53(mm) Heated Purge: (Y/N) N

Calibration Start Date: 10/23/2011 16:22 Calibration End Date: 10/23/2011 16:22 Calibration ID: 4387

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	STD1232 480-36827/21	12_143_177.D

ANALYTE	CURVE TYPE	RESPONSE					CONCENTRATION (NG/UL)				
		LVL 1					LVL 1				
PCB-1232 Peak 1	Ave	83499					0.500				
PCB-1232 Peak 2	Ave	76971					0.500				
PCB-1232 Peak 3	Ave	102291					0.500				
PCB-1232 Peak 4	Ave	46166					0.500				

Curve Type Legend:

Ave = Average

TestAmerica Laboratories
Target Compound Quantitation Report

Data File:	\\Bufchrom\ChromData\HP5890-12\20111023-6917.b\12_143_177.D		
Lims ID:	std1232	Client ID:	
Inject. Date:	23-Oct-2011 16:22:13	Dil. Factor:	1.0000
Sample Type:	IC	Calib Level:	1
Sample ID:			
Misc. Info.:	Study: 480-0006862-038 Channel B: I/F Serial#, 9205571204		
Operator:	tchrom	Instrument ID:	HP5890-12
Vol. Injected:	1.0000	ALS Bottle#:	0
Lims Batch ID:	36827	Lims Sample ID:	21
Sublist:	chrom-hp12_pcb*sub4		
Detector 1 :	Ch-A-7A136		
Detector 2 :	Ch-B-7b136		
Method:	\\Bufchrom\ChromData\HP5890-12\20111023-6917.b\hp12_pcb.m		
Last Update:	24-Oct-2011 20:28:20	Calib Date:	23-Oct-2011 18:50:30
Quant Method:	External Standard	Quant By:	Initial Calibration
Last ICal File:	\\Bufchrom\ChromData\HP5890-12\20111023-6917.b\12_143_187.D		
Limit Group:	GC - 8082 PCB ICAL		
Integrator:	Falcon		
Process Host:	CORP-CTX-19		

First Level Reviewer: michalej Date: 24-Oct-2011 20:28:20

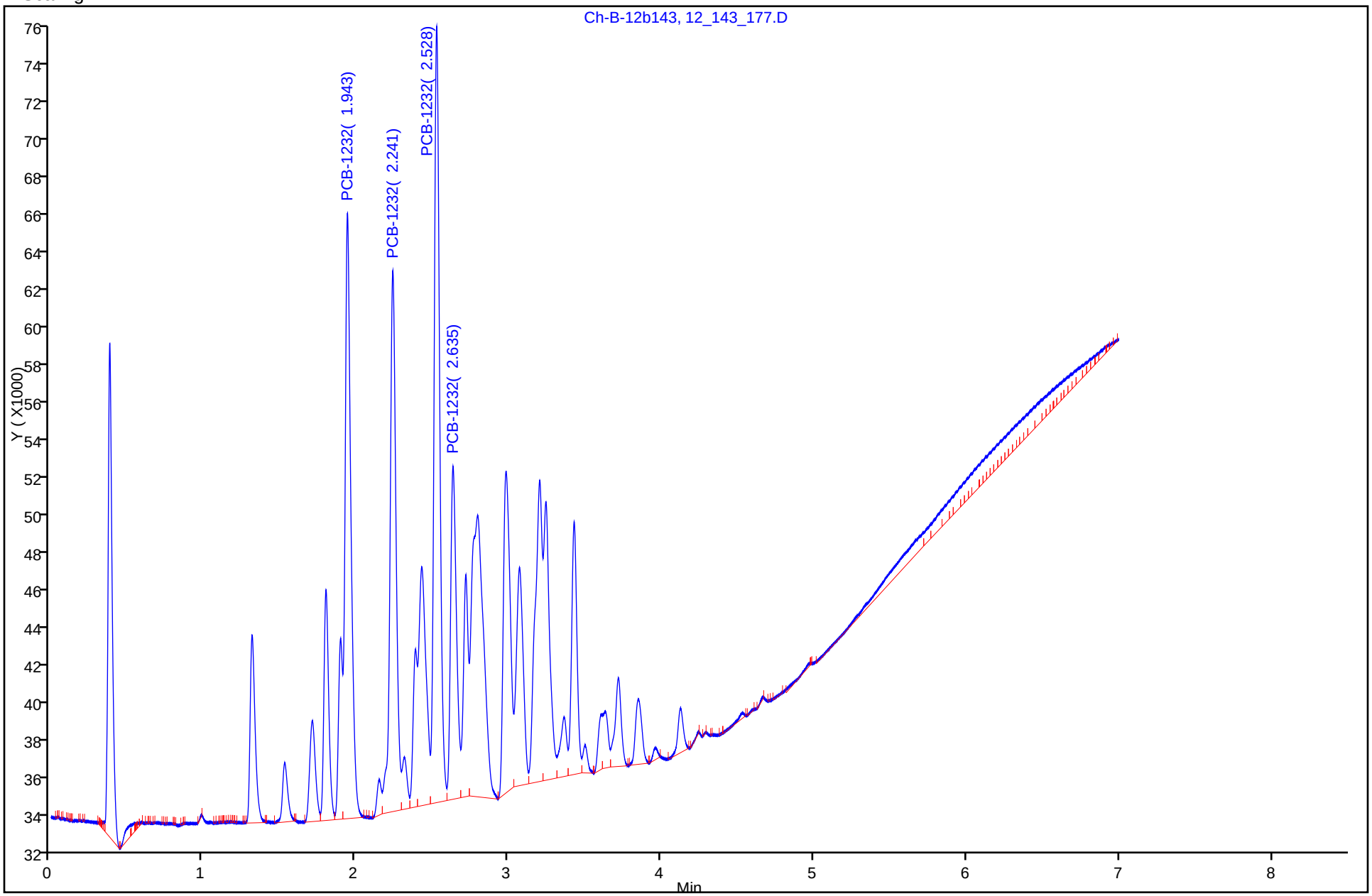
Det	Sig	RT	ADJ RT	DLT RT	Response	On-Col Amt ng/uL	Ratio Range	Ratio	Flags
5 PCB-1232									
1	1	2.262	2.262	0.000	65508	0.5000		100.0	
1	2	2.569	2.569	0.000	65871	0.5000	70.6- 130.6	100.6	
1	3	2.704	2.704	0.000	29569	0.5000	15.1- 75.1	45.1	
1	4	2.892	2.892	0.000	76933	0.5000	87.4- 147.4	117.4	
			Average of Peak Amounts =			0.5000			
2	5	1.943	1.943	0.000	83499	0.5000		100.0	
2	6	2.241	2.241	0.000	76971	0.5000	62.2- 122.2	92.2	
2	7	2.528	2.528	0.000	102291	0.5000	92.5- 152.5	122.5	
2	8	2.635	2.635	0.000	46166	0.5000	25.3- 85.3	55.3	
			Average of Peak Amounts =			0.5000			
						RPD = 0.00			

Report Date: 24-Oct-2011 20:28:21 Chrom Revision: 2.0 01-Sep-2011 14:10:00

Data File: \\Bufchrom\ChromData\HP5890-12\20111023-6917.b\12_143_177.D

Injection Date:	23-Oct-2011 16:22:13	Limit Group:	GC - 8082 PCB ICAL
Client ID:		Instrument ID:	HP5890-12
Lims Batch ID:	36827	Lims Sample ID:	21
Operator ID:	tchrom	Injection Vol:	1.00 ul

Y Scaling:



FORM VI
PCBS INITIAL CALIBRATION DATA
EXTERNAL STANDARD RETENTION TIME SUMMARY

Lab Name: TestAmerica Buffalo Job No.: 480-18068-1 Analy Batch No.: 36827

SDG No.:

Instrument ID: HP5890-12 GC Column: ZB-5 ID: 0.53(mm) Heated Purge: (Y/N) N

Calibration Start Date: 10/23/2011 16:51 Calibration End Date: 10/23/2011 16:51 Calibration ID: 4428

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	STD1242 480-36827/23	12_143_179.D

ANALYTE	LVL 1										RT WINDOW	AVG RT
PCB-1242 Peak 1	2.567										2.537 - 2.597	2.567
PCB-1242 Peak 2	2.703										2.673 - 2.733	2.703
PCB-1242 Peak 3	2.891										2.861 - 2.921	2.891
PCB-1242 Peak 4	2.970										2.940 - 3.000	2.970

FORM VI
PCBS INITIAL CALIBRATION DATA
EXTERNAL STANDARD CURVE EVALUATION

Lab Name: TestAmerica Buffalo Job No.: 480-18068-1 Analy Batch No.: 36827

SDG No.:

Instrument ID: HP5890-12 GC Column: ZB-5 ID: 0.53(mm) Heated Purge: (Y/N) N

Calibration Start Date: 10/23/2011 16:51 Calibration End Date: 10/23/2011 16:51 Calibration ID: 4428

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	STD1242 480-36827/23	12_143_179.D

ANALYTE	CF				CURVE TYPE	COEFFICIENT			#	MIN CF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1					B	M1	M2								
PCB-1242 Peak 1	181452				Ave		181452.000						20.0			
PCB-1242 Peak 2	95762				Ave		95762.0000						20.0			
PCB-1242 Peak 3	264264				Ave		264264.000						20.0			
PCB-1242 Peak 4	117780				Ave		117780.000						20.0			

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

FORM VI
PCBS INITIAL CALIBRATION DATA
EXTERNAL STANDARD RESPONSE AND CONCENTRATION

Lab Name: TestAmerica Buffalo Job No.: 480-18068-1 Analy Batch No.: 36827

SDG No.:

Instrument ID: HP5890-12 GC Column: ZB-5 ID: 0.53(mm) Heated Purge: (Y/N) N

Calibration Start Date: 10/23/2011 16:51 Calibration End Date: 10/23/2011 16:51 Calibration ID: 4428

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	STD1242 480-36827/23	12_143_179.D

ANALYTE	CURVE TYPE	RESPONSE					CONCENTRATION (NG/UL)				
		LVL 1					LVL 1				
PCB-1242 Peak 1	Ave	90726					0.500				
PCB-1242 Peak 2	Ave	47881					0.500				
PCB-1242 Peak 3	Ave	132132					0.500				
PCB-1242 Peak 4	Ave	58890					0.500				

Curve Type Legend:

Ave = Average

TestAmerica Laboratories
Target Compound Quantitation Report

Data File:	\\Bufchrom\ChromData\HP5890-12\20111023-6917.b\12_143_179.D		
Lims ID:	std1242	Client ID:	
Inject. Date:	23-Oct-2011 16:51:46	Dil. Factor:	1.0000
Sample Type:	IC	Calib Level:	1
Sample ID:			
Misc. Info.:	Study: 480-0006862-040 Channel B: I/F Serial#, 9205571204		
Operator:	tchrom	Instrument ID:	HP5890-12
Vol. Injected:	1.0000	ALS Bottle#:	0
Lims Batch ID:	36827	Lims Sample ID:	23
Sublist:	chrom-hp12_pcb*sub5		
Detector 1 :	Ch-A-7A136		
Detector 2 :	Ch-B-7b136		
Method:	\\Bufchrom\ChromData\HP5890-12\20111023-6917.b\hp12_pcb.m		
Last Update:	24-Oct-2011 20:35:39	Calib Date:	23-Oct-2011 18:50:30
Quant Method:	External Standard	Quant By:	Initial Calibration
Last ICal File:	\\Bufchrom\ChromData\HP5890-12\20111023-6917.b\12_143_187.D		
Limit Group:	GC - 8082 PCB ICAL		
Integrator:	Falcon		
Process Host:	CORP-CTX-19		

First Level Reviewer: michalej Date: 24-Oct-2011 20:33:08

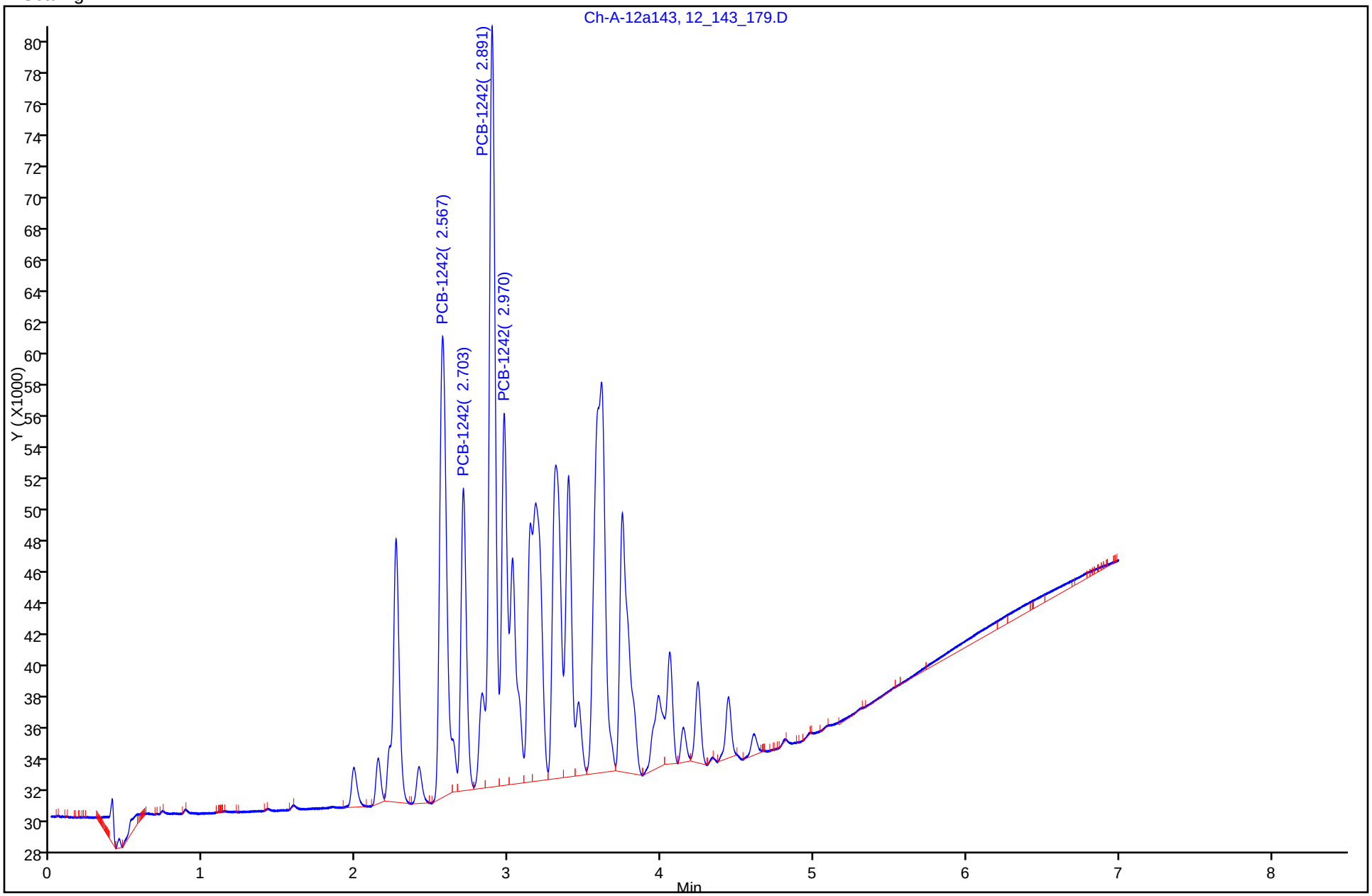
Det	Sig	RT	ADJ RT	DLT RT	Response	On-Col Amt ng/uL	Ratio Range	Ratio	Flags
4 PCB-1242									
1	1	2.567	2.567	0.000	90726	0.5000		100.0	
1	2	2.703	2.703	0.000	47881	0.5000	22.8- 82.8	52.8	
1	3	2.891	2.891	0.000	132132	0.5000	115.6- 175.6	145.6	
1	4	2.970	2.970	0.000	58890	0.5000	34.9- 94.9	64.9	
			Average of Peak Amounts =			0.5000			
2	5	2.239	2.239	0.000	113169	0.5000		100.0	
2	6	2.527	2.527	0.000	179081	0.5000	128.2- 188.2	158.2	
2	7	2.634	2.634	0.000	81494	0.5000	42.0- 102.0	72.0	
2	8	2.981	2.981	0.000	97395	0.5000	56.1- 116.1	86.1	
			Average of Peak Amounts =			0.5000			
						RPD = 0.00			

Report Date: 24-Oct-2011 20:35:40 Chrom Revision: 2.0 01-Sep-2011 14:10:00

Data File: \\Bufchrom\ChromData\HP5890-12\20111023-6917.b\12_143_179.D

Injection Date:	23-Oct-2011 16:51:46	Limit Group:	GC - 8082 PCB ICAL
Client ID:		Instrument ID:	HP5890-12
Lims Batch ID:	36827	Lims Sample ID:	23
Operator ID:	tchrom	Injection Vol:	1.00 ul

Y Scaling:



FORM VI
PCBS INITIAL CALIBRATION DATA
EXTERNAL STANDARD RETENTION TIME SUMMARY

Lab Name: TestAmerica Buffalo Job No.: 480-18068-1 Analy Batch No.: 36827

SDG No.:

Instrument ID: HP5890-12 GC Column: ZB-35 ID: 0.53(mm) Heated Purge: (Y/N) N

Calibration Start Date: 10/23/2011 16:51 Calibration End Date: 10/23/2011 16:51 Calibration ID: 4429

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	STD1242 480-36827/23	12_143_179.D

ANALYTE	LVL 1										RT WINDOW	AVG RT
PCB-1242 Peak 1	2.239										2.209 - 2.269	2.239
PCB-1242 Peak 2	2.527										2.497 - 2.557	2.527
PCB-1242 Peak 3	2.634										2.604 - 2.664	2.634
PCB-1242 Peak 4	2.981										2.951 - 3.011	2.981

FORM VI
PCBS INITIAL CALIBRATION DATA
EXTERNAL STANDARD CURVE EVALUATION

Lab Name: TestAmerica Buffalo Job No.: 480-18068-1 Analy Batch No.: 36827

SDG No.:

Instrument ID: HP5890-12 GC Column: ZB-35 ID: 0.53(mm) Heated Purge: (Y/N) N

Calibration Start Date: 10/23/2011 16:51 Calibration End Date: 10/23/2011 16:51 Calibration ID: 4429

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	STD1242 480-36827/23	12_143_179.D

ANALYTE	CF				CURVE TYPE	COEFFICIENT			#	MIN CF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1					B	M1	M2								
PCB-1242 Peak 1	226338				Ave		226338.000						20.0			
PCB-1242 Peak 2	358162				Ave		358162.000						20.0			
PCB-1242 Peak 3	162988				Ave		162988.000						20.0			
PCB-1242 Peak 4	194790				Ave		194790.000						20.0			

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

FORM VI
PCBS INITIAL CALIBRATION DATA
EXTERNAL STANDARD RESPONSE AND CONCENTRATION

Lab Name: TestAmerica Buffalo Job No.: 480-18068-1 Analy Batch No.: 36827

SDG No.:

Instrument ID: HP5890-12 GC Column: ZB-35 ID: 0.53(mm) Heated Purge: (Y/N) N

Calibration Start Date: 10/23/2011 16:51 Calibration End Date: 10/23/2011 16:51 Calibration ID: 4429

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	STD1242 480-36827/23	12_143_179.D

ANALYTE	CURVE TYPE	RESPONSE					CONCENTRATION (NG/UL)				
		LVL 1					LVL 1				
PCB-1242 Peak 1	Ave	113169					0.500				
PCB-1242 Peak 2	Ave	179081					0.500				
PCB-1242 Peak 3	Ave	81494					0.500				
PCB-1242 Peak 4	Ave	97395					0.500				

Curve Type Legend:

Ave = Average

TestAmerica Laboratories
Target Compound Quantitation Report

Data File:	\\Bufchrom\ChromData\HP5890-12\20111023-6917.b\12_143_179.D		
Lims ID:	std1242	Client ID:	
Inject. Date:	23-Oct-2011 16:51:46	Dil. Factor:	1.0000
Sample Type:	IC	Calib Level:	1
Sample ID:			
Misc. Info.:	Study: 480-0006862-040 Channel B: I/F Serial#, 9205571204		
Operator:	tchrom	Instrument ID:	HP5890-12
Vol. Injected:	1.0000	ALS Bottle#:	0
Lims Batch ID:	36827	Lims Sample ID:	23
Sublist:	chrom-hp12_pcb*sub5		
Detector 1 :	Ch-A-7A136		
Detector 2 :	Ch-B-7b136		
Method:	\\Bufchrom\ChromData\HP5890-12\20111023-6917.b\hp12_pcb.m		
Last Update:	24-Oct-2011 20:35:39	Calib Date:	23-Oct-2011 18:50:30
Quant Method:	External Standard	Quant By:	Initial Calibration
Last ICal File:	\\Bufchrom\ChromData\HP5890-12\20111023-6917.b\12_143_187.D		
Limit Group:	GC - 8082 PCB ICAL		
Integrator:	Falcon		
Process Host:	CORP-CTX-19		

First Level Reviewer: michalej Date: 24-Oct-2011 20:33:08

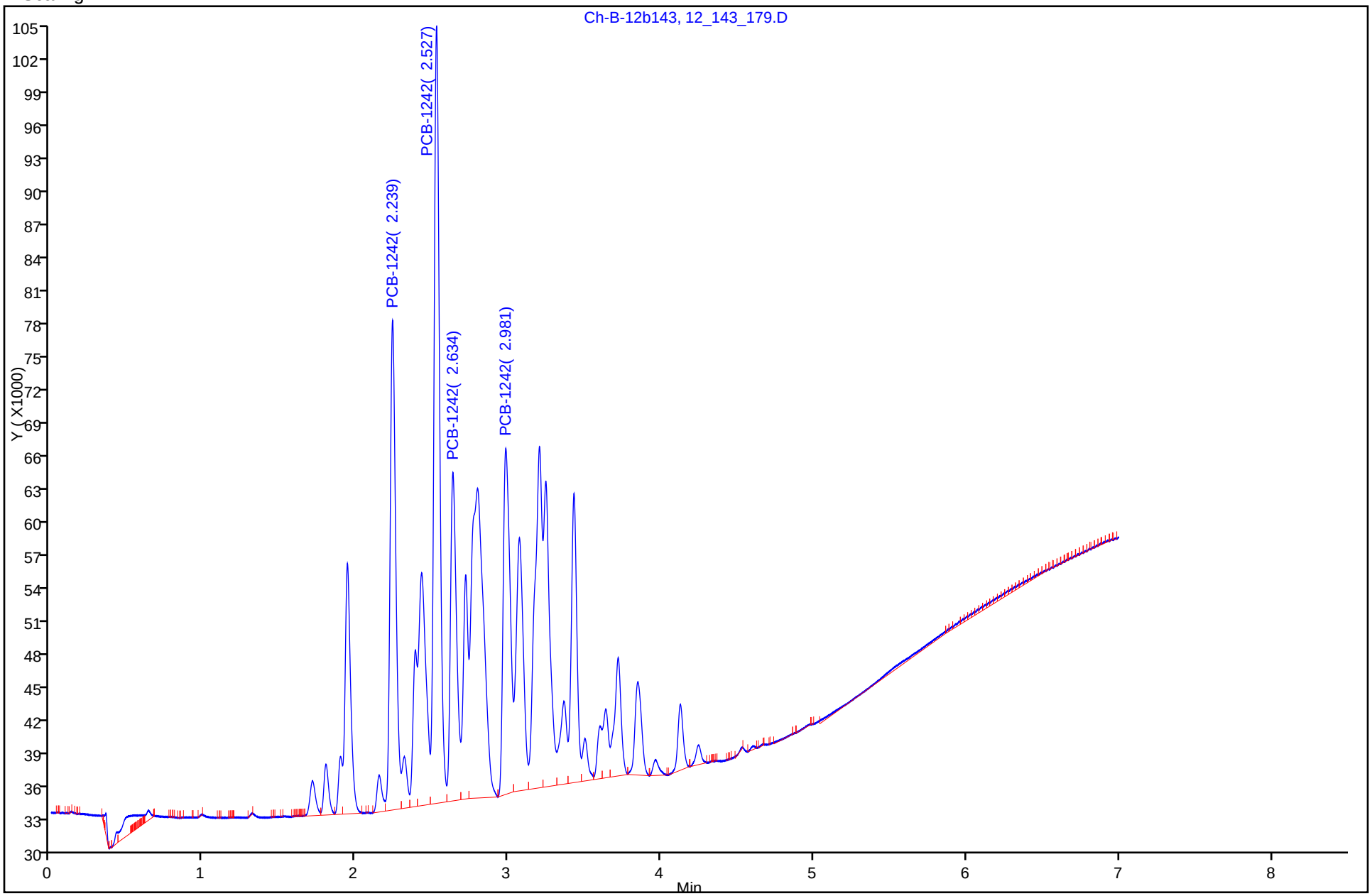
Det	Sig	RT	ADJ RT	DLT RT	Response	On-Col Amt ng/uL	Ratio Range	Ratio	Flags
4 PCB-1242									
1	1	2.567	2.567	0.000	90726	0.5000		100.0	
1	2	2.703	2.703	0.000	47881	0.5000	22.8- 82.8	52.8	
1	3	2.891	2.891	0.000	132132	0.5000	115.6- 175.6	145.6	
1	4	2.970	2.970	0.000	58890	0.5000	34.9- 94.9	64.9	
			Average of Peak Amounts =			0.5000			
2	5	2.239	2.239	0.000	113169	0.5000		100.0	
2	6	2.527	2.527	0.000	179081	0.5000	128.2- 188.2	158.2	
2	7	2.634	2.634	0.000	81494	0.5000	42.0- 102.0	72.0	
2	8	2.981	2.981	0.000	97395	0.5000	56.1- 116.1	86.1	
			Average of Peak Amounts =			0.5000			
						RPD = 0.00			

Report Date: 24-Oct-2011 20:35:40 Chrom Revision: 2.0 01-Sep-2011 14:10:00

Data File: \\Bufchrom\ChromData\HP5890-12\20111023-6917.b\12_143_179.D

Injection Date:	23-Oct-2011 16:51:46	Limit Group:	GC - 8082 PCB ICAL
Client ID:		Instrument ID:	HP5890-12
Lims Batch ID:	36827	Lims Sample ID:	23
Operator ID:	tchrom	Injection Vol:	1.00 ul

Y Scaling:



FORM VI
PCBS INITIAL CALIBRATION DATA
EXTERNAL STANDARD RETENTION TIME SUMMARY

Lab Name: TestAmerica Buffalo Job No.: 480-18068-1 Analy Batch No.: 36827

SDG No.:

Instrument ID: HP5890-12 GC Column: ZB-5 ID: 0.53(mm) Heated Purge: (Y/N) N

Calibration Start Date: 10/23/2011 17:21 Calibration End Date: 10/23/2011 17:21 Calibration ID: 4628

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	STD1248 480-36827/25	12_143_181.D

ANALYTE	LVL 1										RT WINDOW	AVG RT
PCB-1248 Peak 1	3.302										3.272 - 3.332	3.302
PCB-1248 Peak 2	3.391										3.361 - 3.421	3.391
PCB-1248 Peak 3	3.607										3.577 - 3.637	3.607
PCB-1248 Peak 4	3.744										3.714 - 3.774	3.744

FORM VI
PCBS INITIAL CALIBRATION DATA
EXTERNAL STANDARD CURVE EVALUATION

Lab Name: TestAmerica Buffalo Job No.: 480-18068-1 Analy Batch No.: 36827

SDG No.:

Instrument ID: HP5890-12 GC Column: ZB-5 ID: 0.53(mm) Heated Purge: (Y/N) N

Calibration Start Date: 10/23/2011 17:21 Calibration End Date: 10/23/2011 17:21 Calibration ID: 4628

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	STD1248 480-36827/25	12_143_181.D

ANALYTE	CF				CURVE TYPE	COEFFICIENT			#	MIN CF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1					B	M1	M2								
PCB-1248 Peak 1	162398				Ave		162398.000						20.0			
PCB-1248 Peak 2	104244				Ave		104244.000						20.0			
PCB-1248 Peak 3	450168				Ave		450168.000						20.0			
PCB-1248 Peak 4	66862				Ave		66862.0000						20.0			

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

FORM VI
PCBS INITIAL CALIBRATION DATA
EXTERNAL STANDARD RESPONSE AND CONCENTRATION

Lab Name: TestAmerica Buffalo Job No.: 480-18068-1 Analy Batch No.: 36827

SDG No.:

Instrument ID: HP5890-12 GC Column: ZB-5 ID: 0.53(mm) Heated Purge: (Y/N) N

Calibration Start Date: 10/23/2011 17:21 Calibration End Date: 10/23/2011 17:21 Calibration ID: 4628

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	STD1248 480-36827/25	12_143_181.D

ANALYTE	CURVE TYPE	RESPONSE					CONCENTRATION (NG/UL)				
		LVL 1					LVL 1				
PCB-1248 Peak 1	Ave	81199					0.500				
PCB-1248 Peak 2	Ave	52122					0.500				
PCB-1248 Peak 3	Ave	225084					0.500				
PCB-1248 Peak 4	Ave	33431					0.500				

Curve Type Legend:

Ave = Average

TestAmerica Laboratories
Target Compound Quantitation Report

Data File:	\\Bufchrom\ChromData\HP5890-12\20111023-6917.b\12_143_181.D		
Lims ID:	std1248	Client ID:	
Inject. Date:	23-Oct-2011 17:21:28	Dil. Factor:	1.0000
Sample Type:	IC	Calib Level:	1
Sample ID:			
Misc. Info.:	Study: 480-0006862-042 Channel B: I/F Serial#, 9205571204		
Operator:	tchrom	Instrument ID:	HP5890-12
Vol. Injected:	1.0000	ALS Bottle#:	0
Lims Batch ID:	36827	Lims Sample ID:	25
Sublist:	chrom-hp12_pcb*sub6		
Detector 1 :	Ch-A-7A136		
Detector 2 :	Ch-B-7b136		
Method:	\\Bufchrom\ChromData\HP5890-12\20111023-6917.b\hp12_pcb.m		
Last Update:	31-Oct-2011 22:06:32	Calib Date:	23-Oct-2011 18:50:30
Quant Method:	External Standard	Quant By:	Initial Calibration
Last ICal File:	\\Bufchrom\ChromData\HP5890-12\20111023-6917.b\12_143_187.D		
Limit Group:	GC - 8082 PCB ICAL		
Integrator:	Falcon		
Process Host:	CORP-CTX-19		

First Level Reviewer: michalej Date: 31-Oct-2011 22:06:32

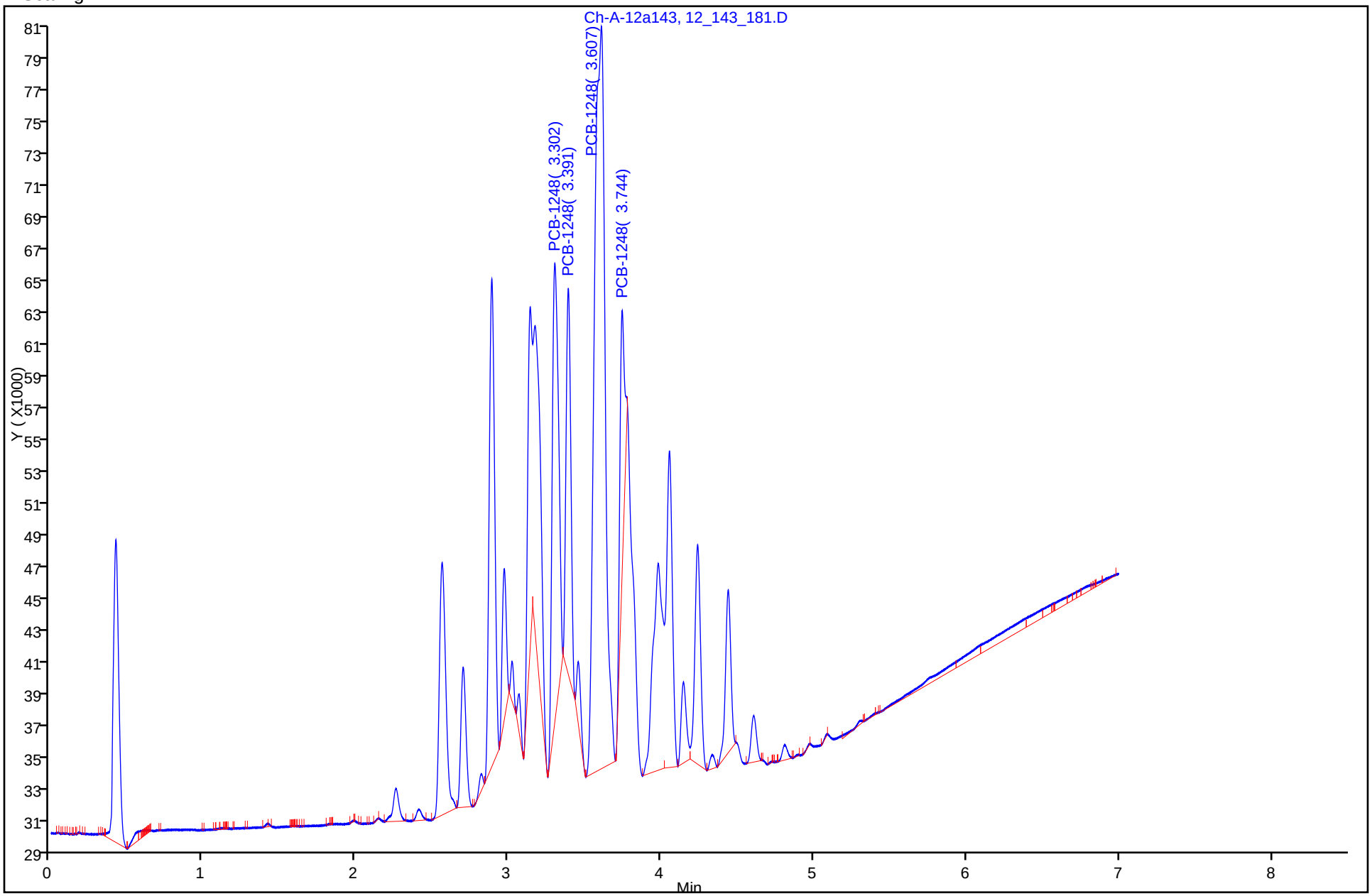
Det	Sig	RT	ADJ RT	DLT RT	Response	On-Col Amt ng/uL	Ratio Range	Ratio	Flags
7 PCB-1248									
1	1	3.302	3.302	0.000	81199	0.5000		100.0	
1	2	3.391	3.391	0.000	52122	0.5000	34.2- 94.2	64.2	A
1	3	3.607	3.607	0.000	225084	0.5000	247.2- 307.2	277.2	A
1	4	3.744	3.744	0.000	33431	0.5000	11.2- 71.2	41.2	A
			Average of Peak Amounts =			0.5000			
2	5	3.069	3.069	0.000	119064	0.5000		100.0	
2	6	3.201	3.201	0.000	180323	0.5000	121.5- 181.5	151.5	A
2	7	3.242	3.242	0.000	151419	0.5000	97.2- 157.2	127.2	A
2	8	3.426	3.426	0.000	120470	0.5000	71.2- 131.2	101.2	A
			Average of Peak Amounts =			0.5000			
						RPD = 0.00			

Report Date: 31-Oct-2011 22:06:32 Chrom Revision: 2.0 01-Sep-2011 14:10:00

Data File: \\Bufchrom\ChromData\HP5890-12\20111023-6917.b\12_143_181.D

Injection Date:	23-Oct-2011 17:21:28	Limit Group:	GC - 8082 PCB ICAL
Client ID:		Instrument ID:	HP5890-12
Lims Batch ID:	36827	Lims Sample ID:	25
Operator ID:	tchrom	Injection Vol:	1.00 ul

Y Scaling:



FORM VI
PCBS INITIAL CALIBRATION DATA
EXTERNAL STANDARD RETENTION TIME SUMMARY

Lab Name: TestAmerica Buffalo Job No.: 480-18068-1 Analy Batch No.: 36827

SDG No.:

Instrument ID: HP5890-12 GC Column: ZB-35 ID: 0.53(mm) Heated Purge: (Y/N) N

Calibration Start Date: 10/23/2011 17:21 Calibration End Date: 10/23/2011 17:21 Calibration ID: 4381

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	STD1248 480-36827/25	12_143_181.D

ANALYTE	LVL 1										RT WINDOW	AVG RT
PCB-1248 Peak 1	3.069										3.039 - 3.099	3.069
PCB-1248 Peak 2	3.201										3.171 - 3.231	3.201
PCB-1248 Peak 3	3.242										3.212 - 3.272	3.242
PCB-1248 Peak 4	3.426										3.396 - 3.456	3.426

FORM VI
PCBS INITIAL CALIBRATION DATA
EXTERNAL STANDARD CURVE EVALUATION

Lab Name: TestAmerica Buffalo Job No.: 480-18068-1 Analy Batch No.: 36827

SDG No.:

Instrument ID: HP5890-12 GC Column: ZB-35 ID: 0.53(mm) Heated Purge: (Y/N) N

Calibration Start Date: 10/23/2011 17:21 Calibration End Date: 10/23/2011 17:21 Calibration ID: 4381

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	STD1248 480-36827/25	12_143_181.D

ANALYTE	CF				CURVE TYPE	COEFFICIENT			#	MIN CF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1					B	M1	M2								
PCB-1248 Peak 1	238128				Ave		238128.000						20.0			
PCB-1248 Peak 2	360646				Ave		360646.000						20.0			
PCB-1248 Peak 3	302838				Ave		302838.000						20.0			
PCB-1248 Peak 4	240940				Ave		240940.000						20.0			

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

FORM VI
PCBS INITIAL CALIBRATION DATA
EXTERNAL STANDARD RESPONSE AND CONCENTRATION

Lab Name: TestAmerica Buffalo Job No.: 480-18068-1 Analy Batch No.: 36827

SDG No.:

Instrument ID: HP5890-12 GC Column: ZB-35 ID: 0.53(mm) Heated Purge: (Y/N) N

Calibration Start Date: 10/23/2011 17:21 Calibration End Date: 10/23/2011 17:21 Calibration ID: 4381

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	STD1248 480-36827/25	12_143_181.D

ANALYTE	CURVE TYPE	RESPONSE					CONCENTRATION (NG/UL)				
		LVL 1					LVL 1				
PCB-1248 Peak 1	Ave	119064					0.500				
PCB-1248 Peak 2	Ave	180323					0.500				
PCB-1248 Peak 3	Ave	151419					0.500				
PCB-1248 Peak 4	Ave	120470					0.500				

Curve Type Legend:

Ave = Average

TestAmerica Laboratories
Target Compound Quantitation Report

Data File:	\\Bufchrom\ChromData\HP5890-12\20111023-6917.b\12_143_181.D		
Lims ID:	std1248	Client ID:	
Inject. Date:	23-Oct-2011 17:21:28	Dil. Factor:	1.0000
Sample Type:	IC	Calib Level:	1
Sample ID:			
Misc. Info.:	Study: 480-0006862-042 Channel B: I/F Serial#, 9205571204		
Operator:	tchrom	Instrument ID:	HP5890-12
Vol. Injected:	1.0000	ALS Bottle#:	0
Lims Batch ID:	36827	Lims Sample ID:	25
Sublist:	chrom-hp12_pcb*sub6		
Detector 1 :	Ch-A-7A136		
Detector 2 :	Ch-B-7b136		
Method:	\\Bufchrom\ChromData\HP5890-12\20111023-6917.b\hp12_pcb.m		
Last Update:	24-Oct-2011 20:18:33	Calib Date:	23-Oct-2011 18:50:30
Quant Method:	External Standard	Quant By:	Initial Calibration
Last ICal File:	\\Bufchrom\ChromData\HP5890-12\20111023-6917.b\12_143_187.D		
Limit Group:	GC - 8082 PCB ICAL		
Integrator:	Falcon		
Process Host:	CORP-CTX-19		

First Level Reviewer: michalej Date: 24-Oct-2011 18:17:42

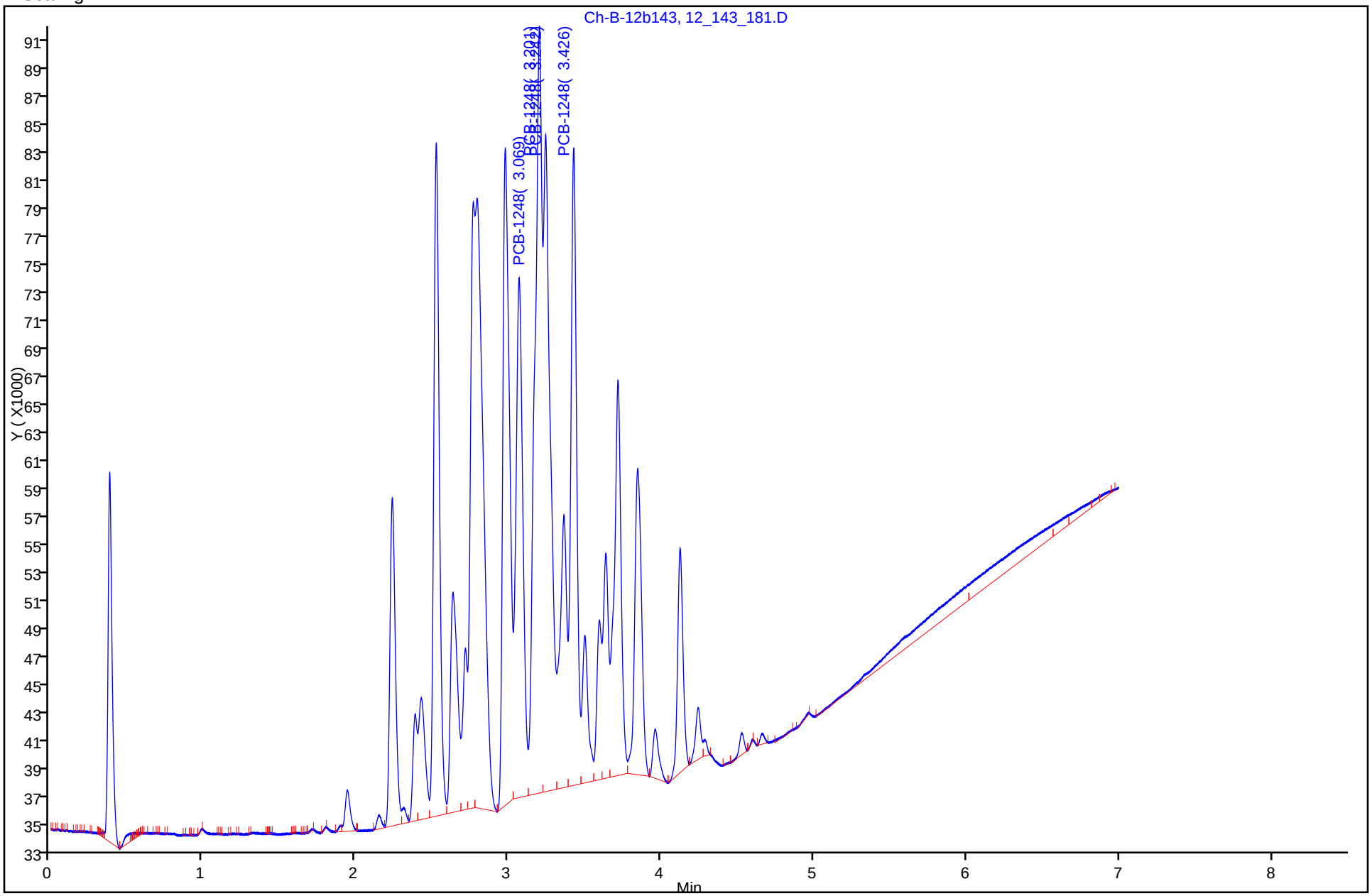
Det	Sig	RT	ADJ RT	DLT RT	Response	On-Col Amt ng/uL	Ratio Range	Ratio	Flags
7 PCB-1248									
1	1	3.302	3.302	0.000	81199	0.5000		100.0	
1	2	3.391	3.391	0.000	52122	0.5000	34.2- 94.2	64.2	A
1	3	3.607	3.607	0.000	225084	0.5000	247.2- 307.2	277.2	A
1	4	3.744	3.744	0.000	33431	0.5000	11.2- 71.2	41.2	A
			Average of Peak Amounts =			0.5000			
2	5	3.069	3.069	0.000	119064	0.5000		100.0	
2	6	3.201	3.201	0.000	180323	0.5000	121.5- 181.5	151.5	A
2	7	3.242	3.242	0.000	151419	0.5000	97.2- 157.2	127.2	A
2	8	3.426	3.426	0.000	120470	0.5000	71.2- 131.2	101.2	A
			Average of Peak Amounts =			0.5000			
						RPD = 0.00			

Report Date: 24-Oct-2011 20:18:34 Chrom Revision: 2.0 01-Sep-2011 14:10:00

Data File: \\Bufchrom\ChromData\HP5890-12\20111023-6917.b\12_143_181.D

Injection Date:	23-Oct-2011 17:21:28	Limit Group:	GC - 8082 PCB ICAL
Client ID:		Instrument ID:	HP5890-12
Lims Batch ID:	36827	Lims Sample ID:	25
Operator ID:	tchrom	Injection Vol:	1.00 ul

Y Scaling:



FORM VI
PCBS INITIAL CALIBRATION DATA
EXTERNAL STANDARD RETENTION TIME SUMMARY

Lab Name: TestAmerica Buffalo Job No.: 480-18068-1 Analy Batch No.: 36827

SDG No.:

Instrument ID: HP5890-12 GC Column: ZB-5 ID: 0.53(mm) Heated Purge: (Y/N) N

Calibration Start Date: 10/23/2011 17:51 Calibration End Date: 10/23/2011 17:51 Calibration ID: 4634

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	STD1254 480-36827/27	12_143_183.D

ANALYTE	LVL 1										RT WINDOW	AVG RT
PCB-1254 Peak 1	3.980										3.950 - 4.010	3.980
PCB-1254 Peak 2	4.053										4.023 - 4.083	4.053
PCB-1254 Peak 3	4.148										4.118 - 4.178	4.148
PCB-1254 Peak 4	4.236										4.206 - 4.266	4.236

FORM VI
PCBS INITIAL CALIBRATION DATA
EXTERNAL STANDARD CURVE EVALUATION

Lab Name: TestAmerica Buffalo Job No.: 480-18068-1 Analy Batch No.: 36827

SDG No.:

Instrument ID: HP5890-12 GC Column: ZB-5 ID: 0.53(mm) Heated Purge: (Y/N) N

Calibration Start Date: 10/23/2011 17:51 Calibration End Date: 10/23/2011 17:51 Calibration ID: 4634

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	STD1254 480-36827/27	12_143_183.D

ANALYTE	CF				CURVE TYPE	COEFFICIENT			#	MIN CF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1					B	M1	M2								
PCB-1254 Peak 1	251132				Ave		251132.000						20.0			
PCB-1254 Peak 2	323368				Ave		323368.000						20.0			
PCB-1254 Peak 3	91322				Ave		91322.0000						20.0			
PCB-1254 Peak 4	324066				Ave		324066.000						20.0			

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

FORM VI
PCBS INITIAL CALIBRATION DATA
EXTERNAL STANDARD RESPONSE AND CONCENTRATION

Lab Name: TestAmerica Buffalo Job No.: 480-18068-1 Analy Batch No.: 36827

SDG No.:

Instrument ID: HP5890-12 GC Column: ZB-5 ID: 0.53(mm) Heated Purge: (Y/N) N

Calibration Start Date: 10/23/2011 17:51 Calibration End Date: 10/23/2011 17:51 Calibration ID: 4634

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	STD1254 480-36827/27	12_143_183.D

ANALYTE	CURVE TYPE	RESPONSE					CONCENTRATION (NG/UL)				
		LVL 1					LVL 1				
PCB-1254 Peak 1	Ave	125566					0.500				
PCB-1254 Peak 2	Ave	161684					0.500				
PCB-1254 Peak 3	Ave	45661					0.500				
PCB-1254 Peak 4	Ave	162033					0.500				

Curve Type Legend:

Ave = Average

TestAmerica Laboratories
Target Compound Quantitation Report

Data File: \\Bufchrom\ChromData\HP5890-12\20111023-6917.b\12_143_183.D
Lims ID: std1254 Client ID:
Inject. Date: 23-Oct-2011 17:51:10 Dil. Factor: 1.0000
Sample Type: IC Calib Level: 1
Sample ID:
Misc. Info.: Study: 480-0006862-044 Channel B: I/F Serial#, 9205571204
Operator: tchrom Instrument ID: HP5890-12
Vol. Injected: 1.0000 ALS Bottle#: 0
Lims Batch ID: 36827 Lims Sample ID: 27
Sublist: chrom-hp12_pcb*sub7
Detector 1 : Ch-A-7A136
Detector 2 : Ch-B-7b136

Method: \\Bufchrom\ChromData\HP5890-12\20111023-6917.b\hp12_pcb.m
Last Update: 01-Nov-2011 16:57:44 Calib Date: 23-Oct-2011 18:50:30
Quant Method: External Standard Quant By: Initial Calibration
Last ICal File: \\Bufchrom\ChromData\HP5890-12\20111023-6917.b\12_143_187.D
Limit Group: GC - 8082 PCB ICAL
Integrator: Falcon
Process Host: CORP-CTX-19

First Level Reviewer: michalej Date: 01-Nov-2011 16:57:44

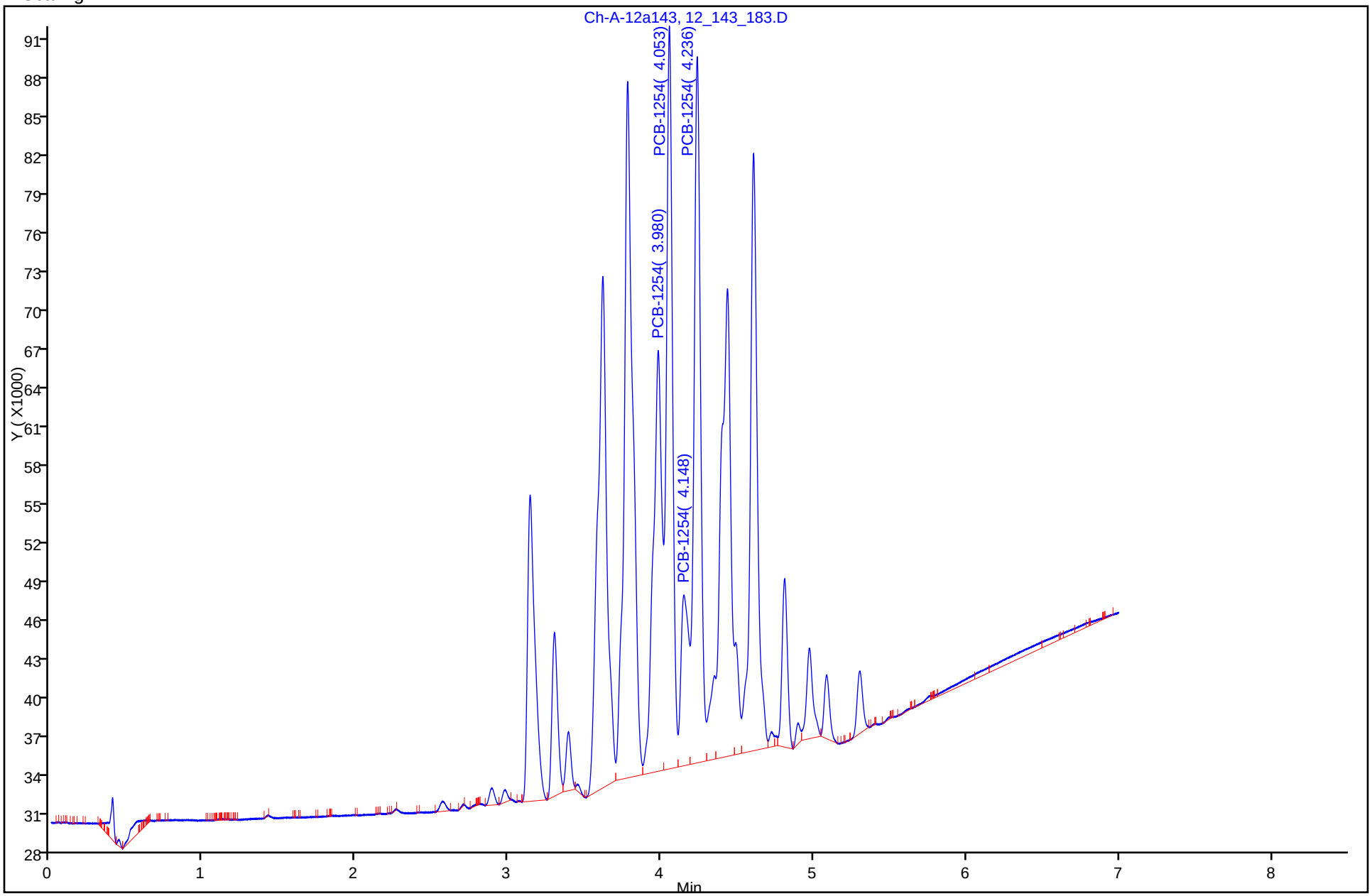
Det	Sig	RT	ADJ RT	DLT RT	Response	On-Col Amt ng/uL	Ratio Range	Ratio	Flags
8 PCB-1254									
1	1	3.980	3.980	0.000	125566	0.5000		100.0	
1	2	4.053	4.053	0.000	161684	0.5000	98.8- 158.8	128.8	
1	3	4.148	4.148	0.000	45661	0.5000	6.4- 66.4	36.4	
1	4	4.236	4.236	0.000	162033	0.5000	99.0- 159.0	129.0	
			Average of Peak Amounts =			0.5000			
2	5	3.637	3.637	0.000	106285	0.5000		100.0	
2	6	3.717	3.717	0.000	248109	0.5000	203.4- 263.4	233.4	
2	7	3.845	3.845	0.000	221080	0.5000	178.0- 238.0	208.0	
2	8	3.956	3.956	0.000	96045	0.5000	60.4- 120.4	90.4	
			Average of Peak Amounts =			0.5000			
						RPD = 0.00			

Report Date: 01-Nov-2011 16:57:45 Chrom Revision: 2.0 01-Sep-2011 14:10:00

Data File: \\Bufchrom\ChromData\HP5890-12\20111023-6917.b\12_143_183.D

Injection Date:	23-Oct-2011 17:51:10	Limit Group:	GC - 8082 PCB ICAL
Client ID:		Instrument ID:	HP5890-12
Lims Batch ID:	36827	Lims Sample ID:	27
Operator ID:	tchrom	Injection Vol:	1.00 ul

Y Scaling:



FORM VI
PCBS INITIAL CALIBRATION DATA
EXTERNAL STANDARD RETENTION TIME SUMMARY

Lab Name: TestAmerica Buffalo Job No.: 480-18068-1 Analy Batch No.: 36827

SDG No.:

Instrument ID: HP5890-12 GC Column: ZB-35 ID: 0.53(mm) Heated Purge: (Y/N) N

Calibration Start Date: 10/23/2011 17:51 Calibration End Date: 10/23/2011 17:51 Calibration ID: 4435

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	STD1254 480-36827/27	12_143_183.D

ANALYTE	LVL 1										RT WINDOW	AVG RT
PCB-1254 Peak 1	3.637										3.607 - 3.667	3.637
PCB-1254 Peak 2	3.717										3.687 - 3.747	3.717
PCB-1254 Peak 3	3.845										3.815 - 3.875	3.845
PCB-1254 Peak 4	3.956										3.926 - 3.986	3.956

FORM VI
PCBS INITIAL CALIBRATION DATA
EXTERNAL STANDARD CURVE EVALUATION

Lab Name: TestAmerica Buffalo Job No.: 480-18068-1 Analy Batch No.: 36827

SDG No.:

Instrument ID: HP5890-12 GC Column: ZB-35 ID: 0.53(mm) Heated Purge: (Y/N) N

Calibration Start Date: 10/23/2011 17:51 Calibration End Date: 10/23/2011 17:51 Calibration ID: 4435

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	STD1254 480-36827/27	12_143_183.D

ANALYTE	CF				CURVE TYPE	COEFFICIENT			#	MIN CF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1					B	M1	M2								
PCB-1254 Peak 1	212570				Ave		212570.000						20.0			
PCB-1254 Peak 2	496218				Ave		496218.000						20.0			
PCB-1254 Peak 3	442160				Ave		442160.000						20.0			
PCB-1254 Peak 4	192090				Ave		192090.000						20.0			

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

FORM VI
PCBS INITIAL CALIBRATION DATA
EXTERNAL STANDARD RESPONSE AND CONCENTRATION

Lab Name: TestAmerica Buffalo Job No.: 480-18068-1 Analy Batch No.: 36827

SDG No.:

Instrument ID: HP5890-12 GC Column: ZB-35 ID: 0.53(mm) Heated Purge: (Y/N) N

Calibration Start Date: 10/23/2011 17:51 Calibration End Date: 10/23/2011 17:51 Calibration ID: 4435

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	STD1254 480-36827/27	12_143_183.D

ANALYTE	CURVE TYPE	RESPONSE					CONCENTRATION (NG/UL)				
		LVL 1					LVL 1				
PCB-1254 Peak 1	Ave	106285					0.500				
PCB-1254 Peak 2	Ave	248109					0.500				
PCB-1254 Peak 3	Ave	221080					0.500				
PCB-1254 Peak 4	Ave	96045					0.500				

Curve Type Legend:

Ave = Average

TestAmerica Laboratories
Target Compound Quantitation Report

Data File:	\\Bufchrom\ChromData\HP5890-12\20111023-6917.b\12_143_183.D		
Lims ID:	std1254	Client ID:	
Inject. Date:	23-Oct-2011 17:51:10	Dil. Factor:	1.0000
Sample Type:	IC	Calib Level:	1
Sample ID:			
Misc. Info.:	Study: 480-0006862-044 Channel B: I/F Serial#, 9205571204		
Operator:	tchrom	Instrument ID:	HP5890-12
Vol. Injected:	1.0000	ALS Bottle#:	0
Lims Batch ID:	36827	Lims Sample ID:	27
Sublist:	chrom-hp12_pcb*sub7		
Detector 1 :	Ch-A-7A136		
Detector 2 :	Ch-B-7b136		
Method:	\\Bufchrom\ChromData\HP5890-12\20111023-6917.b\hp12_pcb.m		
Last Update:	24-Oct-2011 20:35:56	Calib Date:	23-Oct-2011 18:50:30
Quant Method:	External Standard	Quant By:	Initial Calibration
Last ICal File:	\\Bufchrom\ChromData\HP5890-12\20111023-6917.b\12_143_187.D		
Limit Group:	GC - 8082 PCB ICAL		
Integrator:	Falcon		
Process Host:	CORP-CTX-19		

First Level Reviewer: michalej Date: 24-Oct-2011 20:33:16

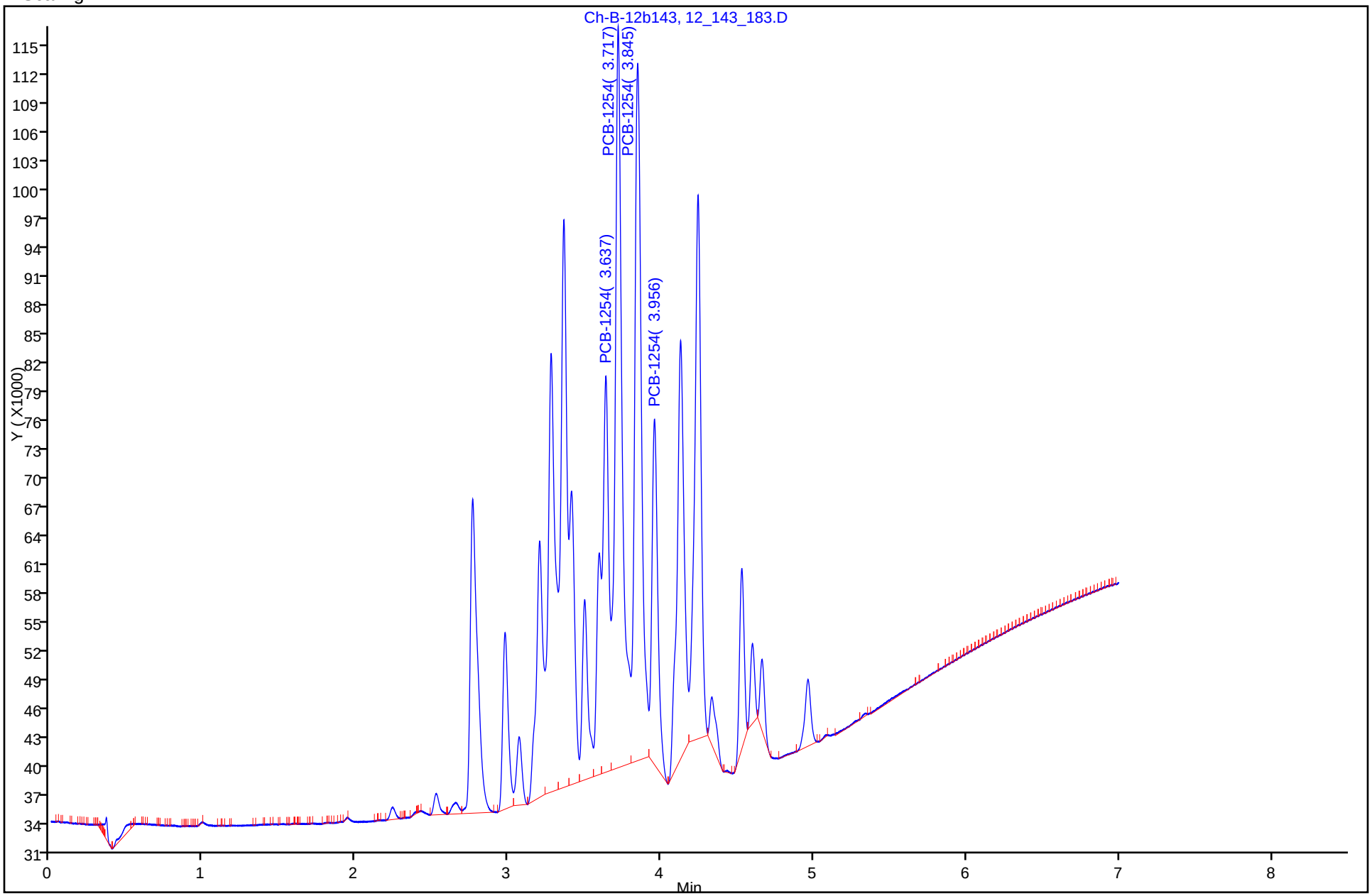
Det	Sig	RT	ADJ RT	DLT RT	Response	On-Col Amt ng/uL	Ratio Range	Ratio	Flags
8 PCB-1254									
1	1	3.980	3.980	0.000	125566	0.5000		100.0	
1	2	4.053	4.053	0.000	161684	0.5000	98.8- 158.8	128.8	
1	3	4.148	4.148	0.000	45661	0.5000	6.4- 66.4	36.4	
1	4	4.236	4.236	0.000	162033	0.5000	99.0- 159.0	129.0	
			Average of Peak Amounts =			0.5000			
2	5	3.637	3.637	0.000	106285	0.5000		100.0	
2	6	3.717	3.717	0.000	248109	0.5000	203.4- 263.4	233.4	
2	7	3.845	3.845	0.000	221080	0.5000	178.0- 238.0	208.0	
2	8	3.956	3.956	0.000	96045	0.5000	60.4- 120.4	90.4	
			Average of Peak Amounts =			0.5000			
						RPD = 0.00			

Report Date: 24-Oct-2011 20:35:56 Chrom Revision: 2.0 01-Sep-2011 14:10:00

Data File: \\Bufchrom\ChromData\HP5890-12\20111023-6917.b\12_143_183.D

Injection Date:	23-Oct-2011 17:51:10	Limit Group:	GC - 8082 PCB ICAL
Client ID:		Instrument ID:	HP5890-12
Lims Batch ID:	36827	Lims Sample ID:	27
Operator ID:	tchrom	Injection Vol:	1.00 ul

Y Scaling:



FORM VII
PCBS CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Buffalo Job No.: 480-18068-1

SDG No.:

Lab Sample ID: CCV 480-58319/9 Calibration Date: 04/05/2012 17:42

Instrument ID: HP5890-12 Calib Start Date: 10/23/2011 13:54

GC Column: ZB-5 ID: 0.53(mm) Calib End Date: 10/23/2011 15:23

Lab File ID: 12_163_197.D Conc. Units: ng/uL

ANALYTE	CURVE TYPE	AVE CF	CF	MIN CF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
PCB-1016 Peak 1	Ave	228124	307830		0.675	0.500	34.9*	15.0
PCB-1016 Peak 2	Ave	119908	170746		0.712	0.500	42.4*	15.0
PCB-1016 Peak 3	Ave	331581	420184		0.634	0.500	26.7*	15.0
PCB-1016 Peak 4	Ave	133756	206372		0.771	0.500	54.3*	15.0
PCB-1260 Peak 1	Ave	272257	352232		0.647	0.500	29.4*	15.0
PCB-1260 Peak 2	Ave	438611	514922		0.587	0.500	17.4*	15.0
PCB-1260 Peak 3	Ave	177029	228208		0.645	0.500	28.9*	15.0
PCB-1260 Peak 4	Ave	124111	131264		0.529	0.500	5.8	15.0
Tetrachloro-m-xylene	Lin1		5384300		0.0367	0.0300	22.3*	15.0
DCB Decachlorobiphenyl	Ave	4617528	5959633		0.0387	0.0300	29.1*	15.0

FORM VII
PCBS CONTINUING CALIBRATION RETENTION TIME SUMMARY

Lab Name: TestAmerica Buffalo Job No.: 480-18068-1

SDG No.:

Lab Sample ID: CCV 480-58319/9 Calibration Date: 04/05/2012 17:42

Instrument ID: HP5890-12 Calib Start Date: 10/23/2011 13:54

GC Column: ZB-5 ID: 0.53(mm) Calib End Date: 10/23/2011 15:23

Lab File ID: 12_163_197.D

Analyte	RT	RT WINDOW	
		TO	FROM
PCB-1016 Peak 1	2.68	2.65	2.71
PCB-1016 Peak 2	2.82	2.79	2.85
PCB-1016 Peak 3	3.01	2.98	3.04
PCB-1016 Peak 4	3.09	3.06	3.12
PCB-1260 Peak 1	4.77	4.74	4.80
PCB-1260 Peak 2	5.12	5.09	5.15
PCB-1260 Peak 3	5.33	5.30	5.36
PCB-1260 Peak 4	5.77	5.74	5.80
Tetrachloro-m-xylene	2.13	2.10	2.16
DCB Decachlorobiphenyl	6.37	6.31	6.43

TestAmerica Laboratories
Target Compound Quantitation Report

Data File: \\Bufchrom\ChromData\HP5890-12\20120405-10755.b\12_163_197.D
Lims ID: ccv Client ID:
Inject. Date: 05-Apr-2012 17:42:39 Dil. Factor: 1.0000
Sample Type: CCV
Sample ID:
Misc. Info.:
Operator: tchrom Instrument ID: HP5890-12
Vol. Injected: 1.0000 ALS Bottle#: 0
Lims Batch ID: 58319 Lims Sample ID: 9
Sublist: chrom-hp12_pcb*sub1
Detector 1 : Ch-A-7A136
Detector 2 : Ch-B-7b136

Method: \\Bufchrom\ChromData\HP5890-12\20120405-10755.b\hp12_pcb.m
Last Update: 05-Apr-2012 17:54:41 Calib Date: 23-Oct-2011 18:50:30
Quant Method: External Standard Quant By: Initial Calibration
Last ICal File: \\Bufchrom\ChromData\HP5890-12\20111023-6917.b\12_143_187.D
Limit Group: GC - 8082 PCB ICAL
Integrator: Falcon
Process Host: CORP-CTX-19

First Level Reviewer: michalej Date: 05-Apr-2012 17:54:41

Det	Sig	RT	ADJ RT	DLT RT	Response	On-Col Amt ng/uL	Ratio Range	Ratio	Flags
$ 3 Tetrachloro-m-xylene									
1	1	2.127	2.127	0.000	161529	0.0367			
2	2	1.655	1.655	0.000	181994	0.0327			
						RPD = 11.67			
6 PCB-1016									
1	1	2.683	2.683	0.000	153915	0.6747		100.0	
1	2	2.819	2.819	0.000	85373	0.7120	23.9- 83.9	55.5	
1	3	3.011	3.011	0.000	210092	0.6336	125.0- 185.0	136.5	
1	4	3.089	3.089	0.000	103186	0.7714	35.0- 95.0	67.0	
			Average of Peak Amounts =			0.6979			
2	5	2.321	2.321	0.000	152726	0.5055		100.0	
2	6	2.613	2.613	0.000	240171	0.5103	147.0- 207.0	157.3	
2	7	2.719	2.719	0.000	117156	0.5789	46.8- 106.8	76.7	
2	8	3.061	3.061	0.000	122735	0.5061	60.1- 120.1	80.4	
			Average of Peak Amounts =			0.5252			
						RPD = 28.24			
9 PCB-1260									
1	1	4.774	4.774	0.000	176116	0.6469		100.0	
1	2	5.121	5.121	0.000	257461	0.5870	117.3- 177.3	146.2	
1	3	5.333	5.333	0.000	114104	0.6446	33.5- 93.5	64.8	
1	4	5.765	5.765	0.000	65632	0.5288	9.6- 69.6	37.3	
			Average of Peak Amounts =			0.6018			
2	5	4.545	4.545	0.000	125236	0.5113		100.0	
2	6	4.671	4.671	0.000	296165	0.5284	199.7- 259.7	236.5	
2	7	4.958	4.958	0.000	253852	0.4630	180.5- 240.5	202.7	
2	8	5.314	5.314	0.000	74277	0.5300	34.9- 94.9	59.3	
			Average of Peak Amounts =			0.5082			
						RPD = 16.87			

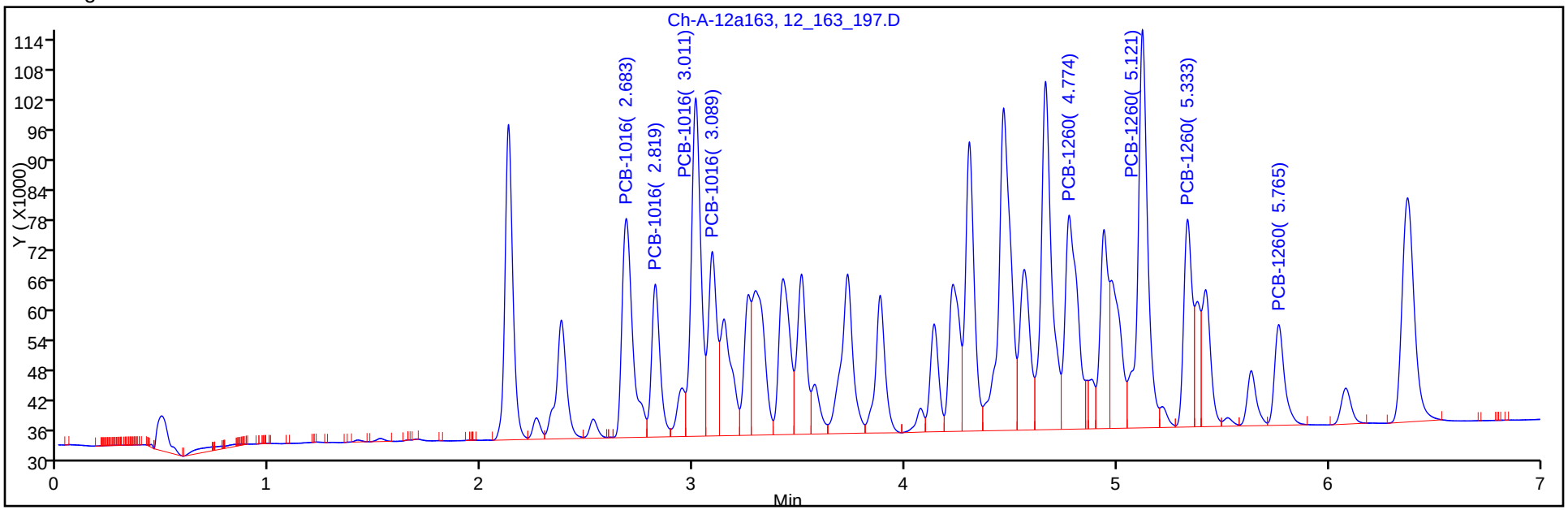
Det	Sig	RT	ADJ RT	DLT RT	Response	On-Col Amt ng/uL	Ratio Range	Ratio	Flags
E 12 DCB Decachlorobiphenyl									
1	1	6.373	6.373	0.000	178789	0.0387			
2	2	5.769	5.769	0.000	183959	0.0334			
						RPD = 14.64			

Report Date: 05-Apr-2012 17:54:41 Chrom Revision: 2.0 20-Feb-2012 13:27:02

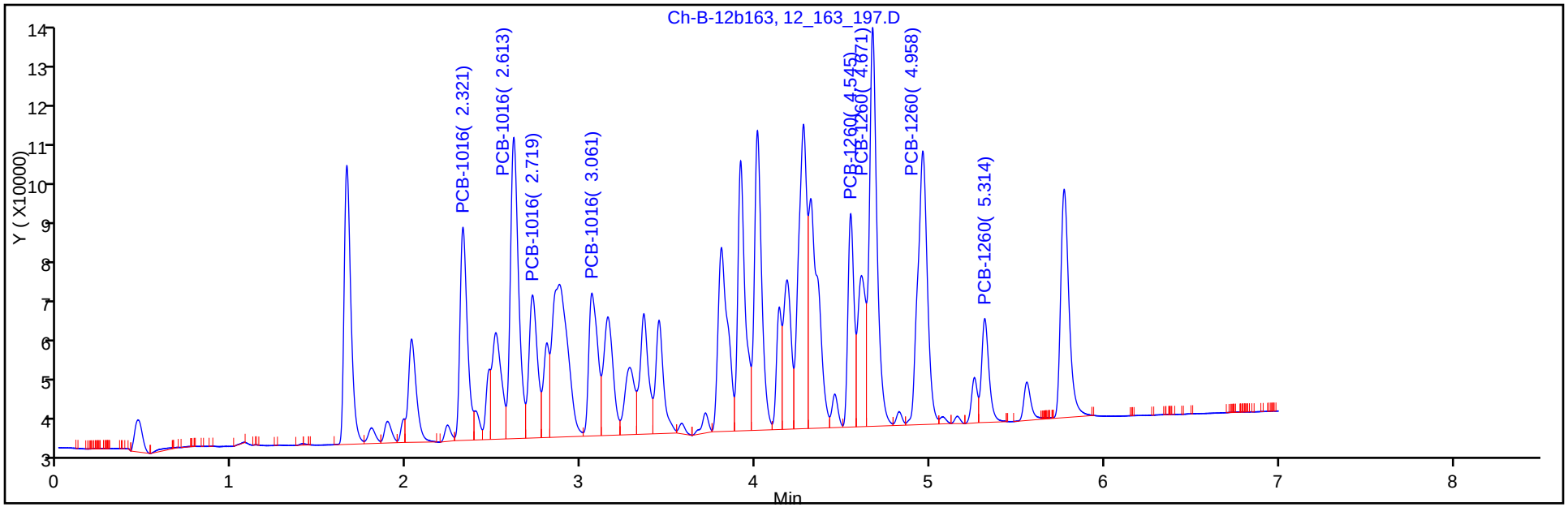
Data File: \\Bufchrom\ChromData\HP5890-12\20120405-10755.b\12_163_197.D

Injection Date:	05-Apr-2012 17:42:39	Limit Group:	GC - 8082 PCB ICAL
Client ID:		Instrument ID:	HP5890-12
Lims Batch ID:	58319	Lims Sample ID:	9
Operator ID:	tchrom	Injection Vol:	1.00 ul

Y Scaling:



Y Scaling:



FORM VII
PCBS CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Buffalo Job No.: 480-18068-1

SDG No.:

Lab Sample ID: CCV 480-58319/9 Calibration Date: 04/05/2012 17:42

Instrument ID: HP5890-12 Calib Start Date: 10/23/2011 13:54

GC Column: ZB-35 ID: 0.53(mm) Calib End Date: 10/23/2011 15:23

Lab File ID: 12_163_197.D Conc. Units: ng/uL

ANALYTE	CURVE TYPE	AVE CF	CF	MIN CF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
PCB-1016 Peak 1	Ave	302101	305452		0.506	0.500	1.1	15.0
PCB-1016 Peak 2	Ave	470601	480342		0.510	0.500	2.1	15.0
PCB-1016 Peak 3	Ave	202375	234312		0.579	0.500	15.8*	15.0
PCB-1016 Peak 4	Ave	242504	245470		0.506	0.500	1.2	15.0
PCB-1260 Peak 1	Ave	244938	250472		0.511	0.500	2.3	15.0
PCB-1260 Peak 2	Ave	560523	592330		0.528	0.500	5.7	15.0
PCB-1260 Peak 3	Ave	548316	507704		0.463	0.500	-7.4	15.0
PCB-1260 Peak 4	Ave	140145	148554		0.530	0.500	6.0	15.0
Tetrachloro-m-xylene	Lin1		6066467		0.0327	0.0300	9.0	15.0
DCB Decachlorobiphenyl	Ave	5501799	6131967		0.0334	0.0300	11.5	15.0

FORM VII
PCBS CONTINUING CALIBRATION RETENTION TIME SUMMARY

Lab Name: TestAmerica Buffalo Job No.: 480-18068-1

SDG No.:

Lab Sample ID: CCV 480-58319/9 Calibration Date: 04/05/2012 17:42

Instrument ID: HP5890-12 Calib Start Date: 10/23/2011 13:54

GC Column: ZB-35 ID: 0.53(mm) Calib End Date: 10/23/2011 15:23

Lab File ID: 12_163_197.D

Analyte	RT	RT WINDOW	
		TO	FROM
PCB-1016 Peak 1	2.32	2.29	2.35
PCB-1016 Peak 2	2.61	2.58	2.64
PCB-1016 Peak 3	2.72	2.69	2.75
PCB-1016 Peak 4	3.06	3.03	3.09
PCB-1260 Peak 1	4.55	4.52	4.58
PCB-1260 Peak 2	4.67	4.64	4.70
PCB-1260 Peak 3	4.96	4.93	4.99
PCB-1260 Peak 4	5.31	5.28	5.34
Tetrachloro-m-xylene	1.66	1.63	1.69
DCB Decachlorobiphenyl	5.77	5.71	5.83

TestAmerica Laboratories
Target Compound Quantitation Report

Data File: \\Bufchrom\ChromData\HP5890-12\20120405-10755.b\12_163_197.D
Lims ID: ccv Client ID:
Inject. Date: 05-Apr-2012 17:42:39 Dil. Factor: 1.0000
Sample Type: CCV
Sample ID:
Misc. Info.:
Operator: tchrom Instrument ID: HP5890-12
Vol. Injected: 1.0000 ALS Bottle#: 0
Lims Batch ID: 58319 Lims Sample ID: 9
Sublist: chrom-hp12_pcb*sub1
Detector 1 : Ch-A-7A136
Detector 2 : Ch-B-7b136

Method: \\Bufchrom\ChromData\HP5890-12\20120405-10755.b\hp12_pcb.m
Last Update: 05-Apr-2012 17:54:41 Calib Date: 23-Oct-2011 18:50:30
Quant Method: External Standard Quant By: Initial Calibration
Last ICal File: \\Bufchrom\ChromData\HP5890-12\20111023-6917.b\12_143_187.D
Limit Group: GC - 8082 PCB ICAL
Integrator: Falcon
Process Host: CORP-CTX-19

First Level Reviewer: michalej Date: 05-Apr-2012 17:54:41

Det	Sig	RT	ADJ RT	DLT RT	Response	On-Col Amt ng/uL	Ratio Range	Ratio	Flags
$ 3 Tetrachloro-m-xylene									
1	1	2.127	2.127	0.000	161529	0.0367			
2	2	1.655	1.655	0.000	181994	0.0327			
						RPD = 11.67			
6 PCB-1016									
1	1	2.683	2.683	0.000	153915	0.6747		100.0	
1	2	2.819	2.819	0.000	85373	0.7120	23.9- 83.9	55.5	
1	3	3.011	3.011	0.000	210092	0.6336	125.0- 185.0	136.5	
1	4	3.089	3.089	0.000	103186	0.7714	35.0- 95.0	67.0	
			Average of Peak Amounts =			0.6979			
2	5	2.321	2.321	0.000	152726	0.5055		100.0	
2	6	2.613	2.613	0.000	240171	0.5103	147.0- 207.0	157.3	
2	7	2.719	2.719	0.000	117156	0.5789	46.8- 106.8	76.7	
2	8	3.061	3.061	0.000	122735	0.5061	60.1- 120.1	80.4	
			Average of Peak Amounts =			0.5252			
						RPD = 28.24			
9 PCB-1260									
1	1	4.774	4.774	0.000	176116	0.6469		100.0	
1	2	5.121	5.121	0.000	257461	0.5870	117.3- 177.3	146.2	
1	3	5.333	5.333	0.000	114104	0.6446	33.5- 93.5	64.8	
1	4	5.765	5.765	0.000	65632	0.5288	9.6- 69.6	37.3	
			Average of Peak Amounts =			0.6018			
2	5	4.545	4.545	0.000	125236	0.5113		100.0	
2	6	4.671	4.671	0.000	296165	0.5284	199.7- 259.7	236.5	
2	7	4.958	4.958	0.000	253852	0.4630	180.5- 240.5	202.7	
2	8	5.314	5.314	0.000	74277	0.5300	34.9- 94.9	59.3	
			Average of Peak Amounts =			0.5082			
						RPD = 16.87			

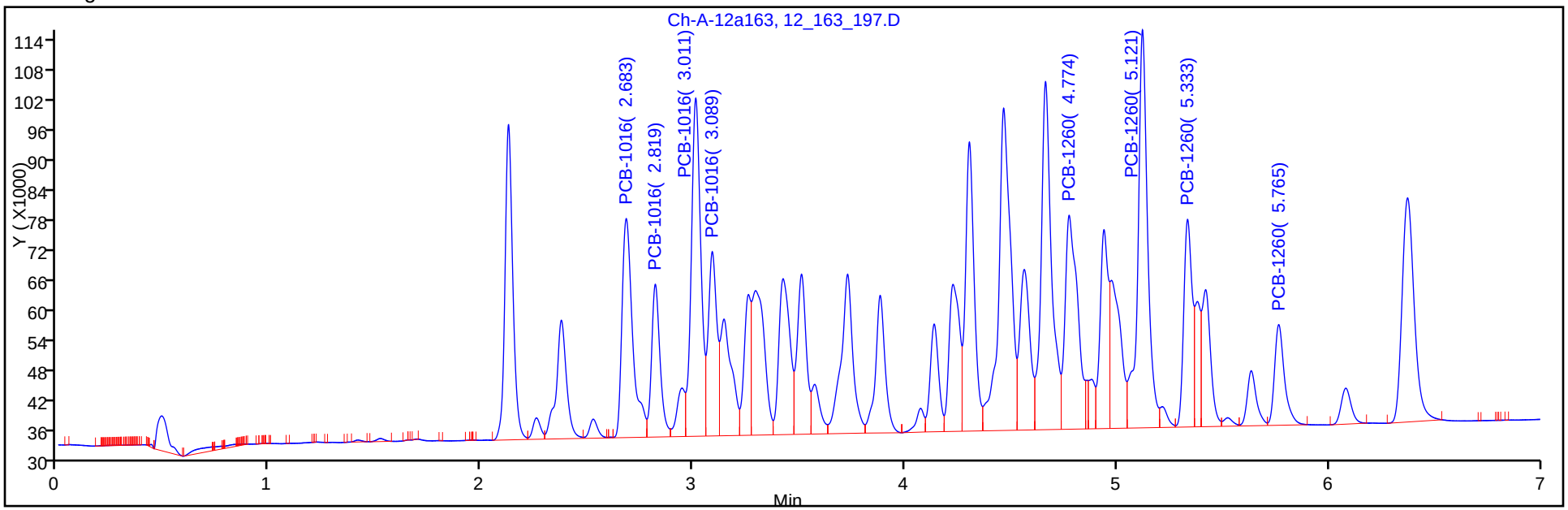
Det	Sig	RT	ADJ RT	DLT RT	Response	On-Col Amt ng/uL	Ratio Range	Ratio	Flags
E 12 DCB Decachlorobiphenyl									
1	1	6.373	6.373	0.000	178789	0.0387			
2	2	5.769	5.769	0.000	183959	0.0334			
						RPD = 14.64			

Report Date: 05-Apr-2012 17:54:41 Chrom Revision: 2.0 20-Feb-2012 13:27:02

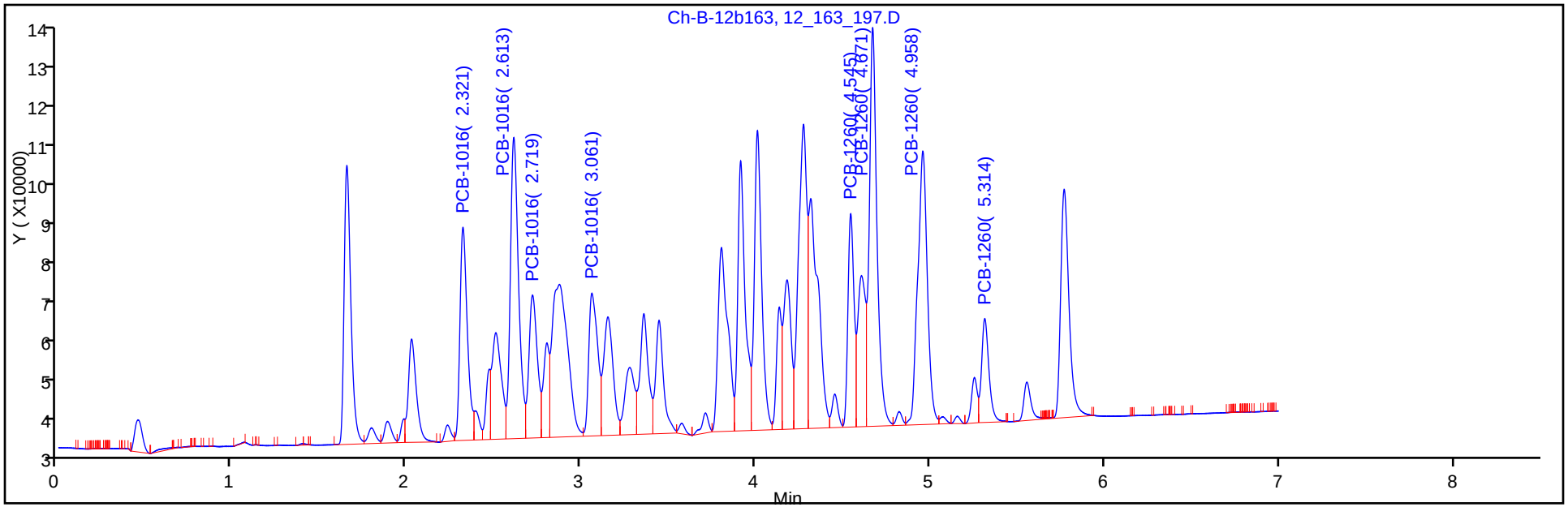
Data File: \\Bufchrom\ChromData\HP5890-12\20120405-10755.b\12_163_197.D

Injection Date:	05-Apr-2012 17:42:39	Limit Group:	GC - 8082 PCB ICAL
Client ID:		Instrument ID:	HP5890-12
Lims Batch ID:	58319	Lims Sample ID:	9
Operator ID:	tchrom	Injection Vol:	1.00 ul

Y Scaling:



Y Scaling:



FORM VII
PCBS CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Buffalo Job No.: 480-18068-1

SDG No.:

Lab Sample ID: CCV 480-58319/16 Calibration Date: 04/05/2012 19:26

Instrument ID: HP5890-12 Calib Start Date: 10/23/2011 13:54

GC Column: ZB-5 ID: 0.53(mm) Calib End Date: 10/23/2011 15:23

Lab File ID: 12_163_204.D Conc. Units: ng/uL

ANALYTE	CURVE TYPE	AVE CF	CF	MIN CF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
PCB-1016 Peak 1	Ave	228124	305564		0.670	0.500	33.9*	15.0
PCB-1016 Peak 2	Ave	119908	169896		0.708	0.500	41.7*	15.0
PCB-1016 Peak 3	Ave	331581	422558		0.637	0.500	27.4*	15.0
PCB-1016 Peak 4	Ave	133756	200484		0.749	0.500	49.9*	15.0
PCB-1260 Peak 1	Ave	272257	375708		0.690	0.500	38.0*	15.0
PCB-1260 Peak 2	Ave	438611	517738		0.590	0.500	18.0*	15.0
PCB-1260 Peak 3	Ave	177029	232138		0.656	0.500	31.1*	15.0
PCB-1260 Peak 4	Ave	124111	136058		0.548	0.500	9.6	15.0
Tetrachloro-m-xylene	Lin1		5338667		0.0364	0.0300	21.3*	15.0
DCB Decachlorobiphenyl	Ave	4617528	6119167		0.0398	0.0300	32.5*	15.0

FORM VII
PCBS CONTINUING CALIBRATION RETENTION TIME SUMMARY

Lab Name: TestAmerica Buffalo Job No.: 480-18068-1

SDG No.:

Lab Sample ID: CCV 480-58319/16 Calibration Date: 04/05/2012 19:26

Instrument ID: HP5890-12 Calib Start Date: 10/23/2011 13:54

GC Column: ZB-5 ID: 0.53(mm) Calib End Date: 10/23/2011 15:23

Lab File ID: 12_163_204.D

Analyte	RT	RT WINDOW	
		TO	FROM
PCB-1016 Peak 1	2.68	2.65	2.71
PCB-1016 Peak 2	2.82	2.79	2.85
PCB-1016 Peak 3	3.01	2.98	3.04
PCB-1016 Peak 4	3.09	3.06	3.12
PCB-1260 Peak 1	4.77	4.74	4.80
PCB-1260 Peak 2	5.12	5.09	5.15
PCB-1260 Peak 3	5.33	5.30	5.36
PCB-1260 Peak 4	5.76	5.73	5.79
Tetrachloro-m-xylene	2.13	2.10	2.16
DCB Decachlorobiphenyl	6.37	6.31	6.43

TestAmerica Laboratories
Target Compound Quantitation Report

Data File: \\Bufchrom\ChromData\HP5890-12\20120405-10755.b\12_163_204.D
Lims ID: ccv Client ID:
Inject. Date: 05-Apr-2012 19:26:07 Dil. Factor: 1.0000
Sample Type: CCV
Sample ID: Name: CCV
Misc. Info.: Study: 480-0010755-016 Channel B: I/F Serial#, 9205571204
Operator: tchrom Instrument ID: HP5890-12
Vol. Injected: 1.0000 ALS Bottle#: 0
Lims Batch ID: 58319 Lims Sample ID: 16
Sublist: chrom-hp12_pcb*sub1
Detector 1 : Ch-A-7A136
Detector 2 : Ch-B-7b136

Method: \\Bufchrom\ChromData\HP5890-12\20120405-10755.b\hp12_pcb.m
Last Update: 05-Apr-2012 19:36:01 Calib Date: 23-Oct-2011 18:50:30
Quant Method: External Standard Quant By: Initial Calibration
Last ICal File: \\Bufchrom\ChromData\HP5890-12\20111023-6917.b\12_143_187.D
Limit Group: GC - 8082 PCB ICAL
Integrator: Falcon
Process Host: CORP-CTX-19

First Level Reviewer: michalej Date: 05-Apr-2012 19:36:01

Det	Sig	RT	ADJ RT	DLT RT	Response	On-Col Amt ng/uL	Ratio Range	Ratio	Flags
$ 3 Tetrachloro-m-xylene									
1	1	2.127	2.127	0.000	160160	0.0364			
2	2	1.656	1.656	0.000	178658	0.0321			
						RPD = 12.64			
6 PCB-1016									
1	1	2.683	2.683	0.000	152782	0.6697		100.0	
1	2	2.820	2.820	0.000	84948	0.7084	23.9- 83.9	55.6	
1	3	3.010	3.010	0.000	211279	0.6372	125.0- 185.0	138.3	
1	4	3.089	3.089	0.000	100242	0.7494	35.0- 95.0	65.6	
			Average of Peak Amounts =			0.6912			
2	5	2.322	2.322	0.000	152952	0.5063		100.0	
2	6	2.613	2.613	0.000	240146	0.5103	147.0- 207.0	157.0	
2	7	2.721	2.721	0.000	116557	0.5759	46.8- 106.8	76.2	
2	8	3.061	3.061	0.000	123490	0.5092	60.1- 120.1	80.7	
			Average of Peak Amounts =			0.5254			
						RPD = 27.25			
9 PCB-1260									
1	1	4.771	4.771	0.000	187854	0.6900		100.0	
1	2	5.117	5.117	0.000	258869	0.5902	117.3- 177.3	137.8	
1	3	5.331	5.331	0.000	116069	0.6557	33.5- 93.5	61.8	
1	4	5.763	5.763	0.000	68029	0.5481	9.6- 69.6	36.2	
			Average of Peak Amounts =			0.6210			
2	5	4.541	4.541	0.000	126024	0.5145		100.0	
2	6	4.667	4.667	0.000	291471	0.5200	199.7- 259.7	231.3	
2	7	4.955	4.955	0.000	252335	0.4602	180.5- 240.5	200.2	
2	8	5.311	5.311	0.000	72259	0.5156	34.9- 94.9	57.3	
			Average of Peak Amounts =			0.5026			
						RPD = 21.08			

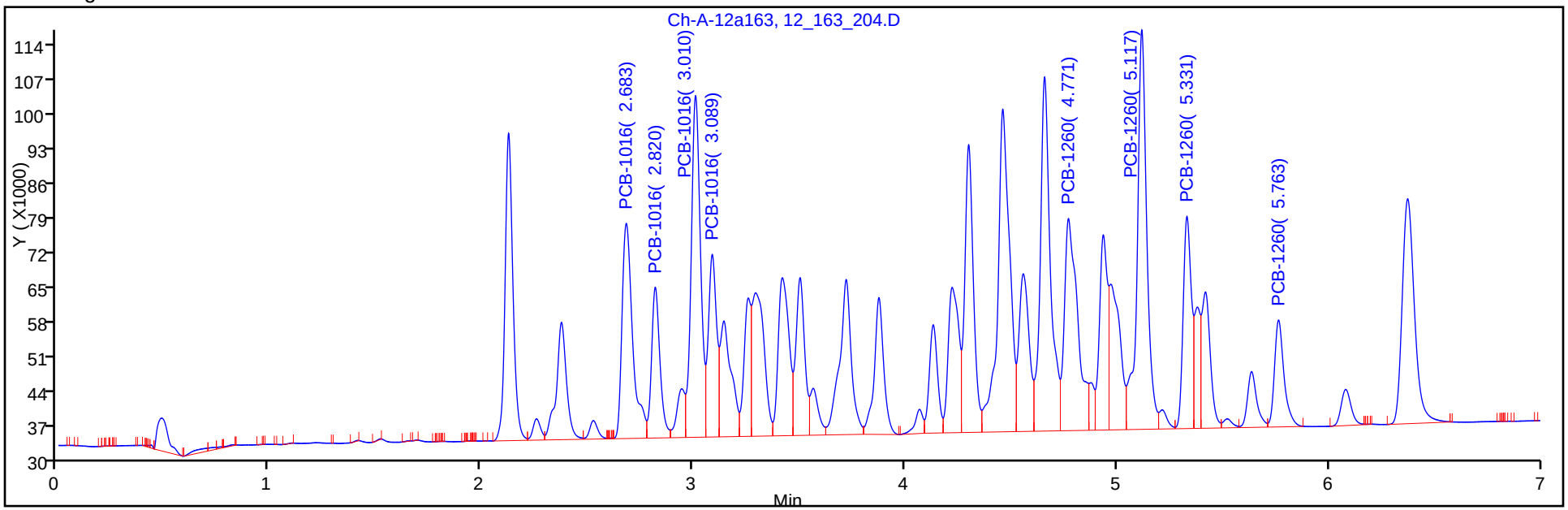
Det	Sig	RT	ADJ RT	DLT RT	Response	On-Col Amt ng/uL	Ratio Range	Ratio	Flags
E 12 DCB Decachlorobiphenyl									
1	1	6.373	6.373	0.000	183575	0.0398			
2	2	5.770	5.770	0.000	184796	0.0336			
						RPD = 16.82			

Report Date: 05-Apr-2012 19:36:01 Chrom Revision: 2.0 20-Feb-2012 13:27:02

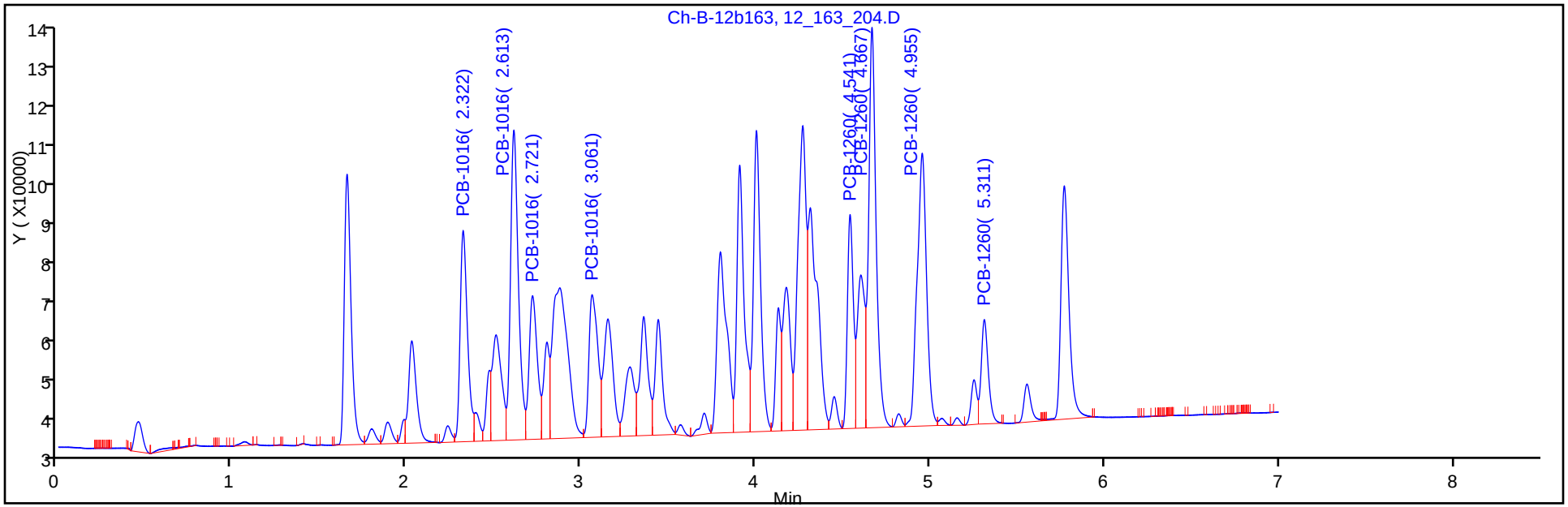
Data File: \\Bufchrom\ChromData\HP5890-12\20120405-10755.b\12_163_204.D

Injection Date:	05-Apr-2012 19:26:07	Limit Group:	GC - 8082 PCB ICAL
Client ID:		Instrument ID:	HP5890-12
Lims Batch ID:	58319	Lims Sample ID:	16
Operator ID:	tchrom	Injection Vol:	1.00 ul

Y Scaling:



Y Scaling:



FORM VII
PCBS CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Buffalo Job No.: 480-18068-1

SDG No.:

Lab Sample ID: CCV 480-58319/16 Calibration Date: 04/05/2012 19:26

Instrument ID: HP5890-12 Calib Start Date: 10/23/2011 13:54

GC Column: ZB-35 ID: 0.53(mm) Calib End Date: 10/23/2011 15:23

Lab File ID: 12_163_204.D Conc. Units: ng/uL

ANALYTE	CURVE TYPE	AVE CF	CF	MIN CF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
PCB-1016 Peak 1	Ave	302101	305904		0.506	0.500	1.3	15.0
PCB-1016 Peak 2	Ave	470601	480292		0.510	0.500	2.1	15.0
PCB-1016 Peak 3	Ave	202375	233114		0.576	0.500	15.2*	15.0
PCB-1016 Peak 4	Ave	242504	246980		0.509	0.500	1.8	15.0
PCB-1260 Peak 1	Ave	244938	252048		0.515	0.500	2.9	15.0
PCB-1260 Peak 2	Ave	560523	582942		0.520	0.500	4.0	15.0
PCB-1260 Peak 3	Ave	548316	504670		0.460	0.500	-8.0	15.0
PCB-1260 Peak 4	Ave	140145	144518		0.516	0.500	3.1	15.0
Tetrachloro-m-xylene	Lin1		5955267		0.0321	0.0300	7.0	15.0
DCB Decachlorobiphenyl	Ave	5501799	6159867		0.0336	0.0300	12.0	15.0

FORM VII
PCBS CONTINUING CALIBRATION RETENTION TIME SUMMARY

Lab Name: TestAmerica Buffalo Job No.: 480-18068-1

SDG No.:

Lab Sample ID: CCV 480-58319/16 Calibration Date: 04/05/2012 19:26

Instrument ID: HP5890-12 Calib Start Date: 10/23/2011 13:54

GC Column: ZB-35 ID: 0.53(mm) Calib End Date: 10/23/2011 15:23

Lab File ID: 12_163_204.D

Analyte	RT	RT WINDOW	
		TO	FROM
PCB-1016 Peak 1	2.32	2.29	2.35
PCB-1016 Peak 2	2.61	2.58	2.64
PCB-1016 Peak 3	2.72	2.69	2.75
PCB-1016 Peak 4	3.06	3.03	3.09
PCB-1260 Peak 1	4.54	4.51	4.57
PCB-1260 Peak 2	4.67	4.64	4.70
PCB-1260 Peak 3	4.96	4.93	4.99
PCB-1260 Peak 4	5.31	5.28	5.34
Tetrachloro-m-xylene	1.66	1.63	1.69
DCB Decachlorobiphenyl	5.77	5.71	5.83

TestAmerica Laboratories
Target Compound Quantitation Report

Data File: \\Bufchrom\ChromData\HP5890-12\20120405-10755.b\12_163_204.D
Lims ID: ccv Client ID:
Inject. Date: 05-Apr-2012 19:26:07 Dil. Factor: 1.0000
Sample Type: CCV
Sample ID: Name: CCV
Misc. Info.: Study: 480-0010755-016 Channel B: I/F Serial#, 9205571204
Operator: tchrom Instrument ID: HP5890-12
Vol. Injected: 1.0000 ALS Bottle#: 0
Lims Batch ID: 58319 Lims Sample ID: 16
Sublist: chrom-hp12_pcb*sub1
Detector 1 : Ch-A-7A136
Detector 2 : Ch-B-7b136

Method: \\Bufchrom\ChromData\HP5890-12\20120405-10755.b\hp12_pcb.m
Last Update: 05-Apr-2012 19:36:01 Calib Date: 23-Oct-2011 18:50:30
Quant Method: External Standard Quant By: Initial Calibration
Last ICal File: \\Bufchrom\ChromData\HP5890-12\20111023-6917.b\12_143_187.D
Limit Group: GC - 8082 PCB ICAL
Integrator: Falcon
Process Host: CORP-CTX-19

First Level Reviewer: michalej Date: 05-Apr-2012 19:36:01

Det	Sig	RT	ADJ RT	DLT RT	Response	On-Col Amt ng/uL	Ratio Range	Ratio	Flags
$ 3 Tetrachloro-m-xylene									
1	1	2.127	2.127	0.000	160160	0.0364			
2	2	1.656	1.656	0.000	178658	0.0321			
						RPD = 12.64			
6 PCB-1016									
1	1	2.683	2.683	0.000	152782	0.6697		100.0	
1	2	2.820	2.820	0.000	84948	0.7084	23.9- 83.9	55.6	
1	3	3.010	3.010	0.000	211279	0.6372	125.0- 185.0	138.3	
1	4	3.089	3.089	0.000	100242	0.7494	35.0- 95.0	65.6	
			Average of Peak Amounts =			0.6912			
2	5	2.322	2.322	0.000	152952	0.5063		100.0	
2	6	2.613	2.613	0.000	240146	0.5103	147.0- 207.0	157.0	
2	7	2.721	2.721	0.000	116557	0.5759	46.8- 106.8	76.2	
2	8	3.061	3.061	0.000	123490	0.5092	60.1- 120.1	80.7	
			Average of Peak Amounts =			0.5254			
						RPD = 27.25			
9 PCB-1260									
1	1	4.771	4.771	0.000	187854	0.6900		100.0	
1	2	5.117	5.117	0.000	258869	0.5902	117.3- 177.3	137.8	
1	3	5.331	5.331	0.000	116069	0.6557	33.5- 93.5	61.8	
1	4	5.763	5.763	0.000	68029	0.5481	9.6- 69.6	36.2	
			Average of Peak Amounts =			0.6210			
2	5	4.541	4.541	0.000	126024	0.5145		100.0	
2	6	4.667	4.667	0.000	291471	0.5200	199.7- 259.7	231.3	
2	7	4.955	4.955	0.000	252335	0.4602	180.5- 240.5	200.2	
2	8	5.311	5.311	0.000	72259	0.5156	34.9- 94.9	57.3	
			Average of Peak Amounts =			0.5026			
						RPD = 21.08			

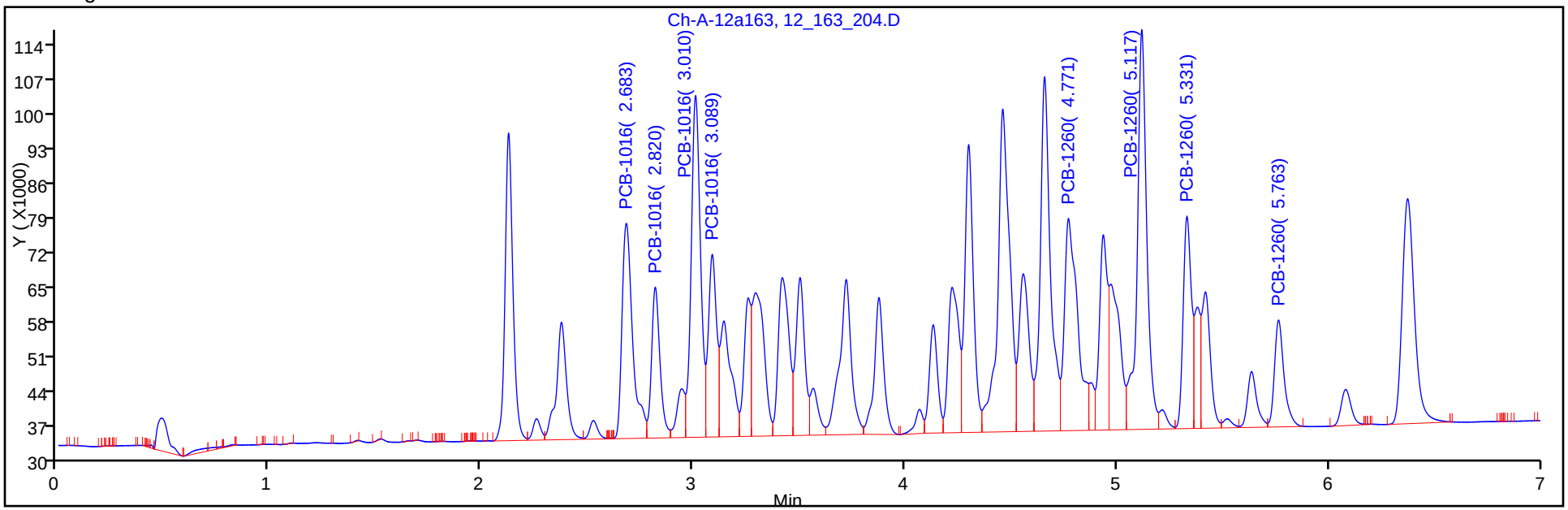
Det	Sig	RT	ADJ RT	DLT RT	Response	On-Col Amt ng/uL	Ratio Range	Ratio	Flags
E 12 DCB Decachlorobiphenyl									
1	1	6.373	6.373	0.000	183575	0.0398			
2	2	5.770	5.770	0.000	184796	0.0336			
						RPD = 16.82			

Report Date: 05-Apr-2012 19:36:02 Chrom Revision: 2.0 20-Feb-2012 13:27:02

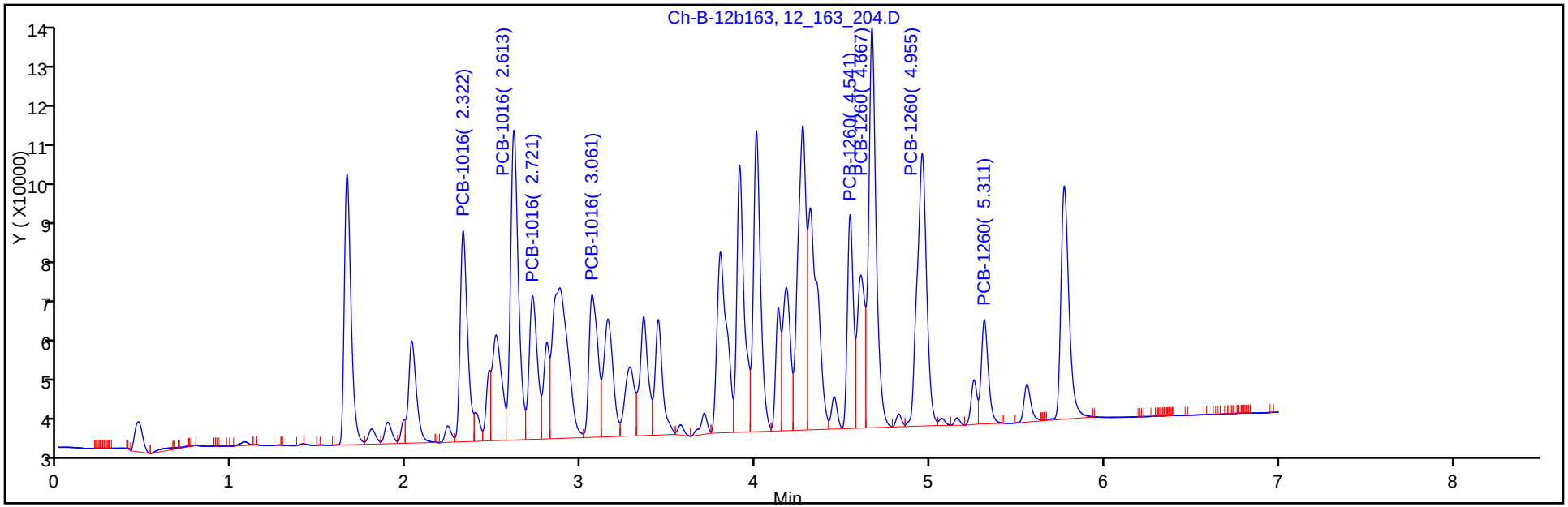
Data File: \\Bufchrom\ChromData\HP5890-12\20120405-10755.b\12_163_204.D

Injection Date:	05-Apr-2012 19:26:07	Limit Group:	GC - 8082 PCB ICAL
Client ID:		Instrument ID:	HP5890-12
Lims Batch ID:	58319	Lims Sample ID:	16
Operator ID:	tchrom	Injection Vol:	1.00 ul

Y Scaling:



Y Scaling:



FORM VII
PCBS CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Buffalo Job No.: 480-18068-1

SDG No.:

Lab Sample ID: CCV 480-58319/28 Calibration Date: 04/05/2012 22:23

Instrument ID: HP5890-12 Calib Start Date: 10/23/2011 13:54

GC Column: ZB-5 ID: 0.53(mm) Calib End Date: 10/23/2011 15:23

Lab File ID: 12_163_216.D Conc. Units: ng/uL

ANALYTE	CURVE TYPE	AVE CF	CF	MIN CF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
PCB-1016 Peak 1	Ave	228124	305374		0.669	0.500	33.9*	15.0
PCB-1016 Peak 2	Ave	119908	170210		0.710	0.500	42.0*	15.0
PCB-1016 Peak 3	Ave	331581	415532		0.627	0.500	25.3*	15.0
PCB-1016 Peak 4	Ave	133756	204462		0.764	0.500	52.9*	15.0
PCB-1260 Peak 1	Ave	272257	361406		0.664	0.500	32.7*	15.0
PCB-1260 Peak 2	Ave	438611	525586		0.599	0.500	19.8*	15.0
PCB-1260 Peak 3	Ave	177029	232348		0.656	0.500	31.2*	15.0
PCB-1260 Peak 4	Ave	124111	137218		0.553	0.500	10.6	15.0
Tetrachloro-m-xylene	Lin1		5395333		0.0368	0.0300	22.7*	15.0
DCB Decachlorobiphenyl	Ave	4617528	6218167		0.0404	0.0300	34.7*	15.0

FORM VII
PCBS CONTINUING CALIBRATION RETENTION TIME SUMMARY

Lab Name: TestAmerica Buffalo Job No.: 480-18068-1

SDG No.:

Lab Sample ID: CCV 480-58319/28 Calibration Date: 04/05/2012 22:23

Instrument ID: HP5890-12 Calib Start Date: 10/23/2011 13:54

GC Column: ZB-5 ID: 0.53(mm) Calib End Date: 10/23/2011 15:23

Lab File ID: 12_163_216.D

Analyte	RT	RT WINDOW	
		TO	FROM
PCB-1016 Peak 1	2.68	2.65	2.71
PCB-1016 Peak 2	2.82	2.79	2.85
PCB-1016 Peak 3	3.01	2.98	3.04
PCB-1016 Peak 4	3.09	3.06	3.12
PCB-1260 Peak 1	4.77	4.74	4.80
PCB-1260 Peak 2	5.12	5.09	5.15
PCB-1260 Peak 3	5.33	5.30	5.36
PCB-1260 Peak 4	5.76	5.73	5.79
Tetrachloro-m-xylene	2.13	2.10	2.16
DCB Decachlorobiphenyl	6.37	6.31	6.43

TestAmerica Laboratories
Target Compound Quantitation Report

Data File: \\Bufchrom\ChromData\HP5890-12\20120405-10755.b\12_163_216.D
Lims ID: ccv Client ID:
Inject. Date: 05-Apr-2012 22:23:05 Dil. Factor: 1.0000
Sample Type: CCV
Sample ID: Name: CCV
Misc. Info.: Study: 480-0010755-028 Channel B: I/F Serial#, 9205571204
Operator: tchrom Instrument ID: HP5890-12
Vol. Injected: 1.0000 ALS Bottle#: 0
Lims Batch ID: 58319 Lims Sample ID: 28
Sublist: chrom-hp12_pcb*sub1
Detector 1 : Ch-A-7A136
Detector 2 : Ch-B-7b136

Method: \\Bufchrom\ChromData\HP5890-12\20120405-10755.b\hp12_pcb.m
Last Update: 06-Apr-2012 08:56:23 Calib Date: 23-Oct-2011 18:50:30
Quant Method: External Standard Quant By: Initial Calibration
Last ICal File: \\Bufchrom\ChromData\HP5890-12\20111023-6917.b\12_143_187.D
Limit Group: GC - 8082 PCB ICAL
Integrator: Falcon
Process Host: CORP-CTX-19

First Level Reviewer: bescod Date: 06-Apr-2012 08:56:23

Det	Sig	RT	ADJ RT	DLT RT	Response	On-Col Amt ng/uL	Ratio Range	Ratio	Flags
$ 3 Tetrachloro-m-xylene									
1	1	2.125	2.125	0.000	161860	0.0368			
2	2	1.653	1.653	0.000	181507	0.0326			
						RPD = 12.12			
6 PCB-1016									
1	1	2.683	2.683	0.000	152687	0.6693		100.0	
1	2	2.819	2.819	0.000	85105	0.7098	23.9- 83.9	55.7	
1	3	3.010	3.010	0.000	207766	0.6266	125.0- 185.0	136.1	
1	4	3.087	3.087	0.000	102231	0.7643	35.0- 95.0	67.0	
			Average of Peak Amounts =			0.6925			
2	5	2.320	2.320	0.000	153036	0.5066		100.0	
2	6	2.613	2.613	0.000	239326	0.5086	147.0- 207.0	156.4	
2	7	2.720	2.720	0.000	119002	0.5880	46.8- 106.8	77.8	
2	8	3.059	3.059	0.000	123004	0.5072	60.1- 120.1	80.4	
			Average of Peak Amounts =			0.5276			
						RPD = 27.03			
9 PCB-1260									
1	1	4.769	4.769	0.000	180703	0.6637		100.0	
1	2	5.117	5.117	0.000	262793	0.5991	117.3- 177.3	145.4	
1	3	5.331	5.331	0.000	116174	0.6562	33.5- 93.5	64.3	
1	4	5.763	5.763	0.000	68609	0.5528	9.6- 69.6	38.0	
			Average of Peak Amounts =			0.6180			
2	5	4.538	4.538	0.000	128574	0.5249		100.0	
2	6	4.665	4.665	0.000	301876	0.5386	199.7- 259.7	234.8	
2	7	4.954	4.954	0.000	257808	0.4702	180.5- 240.5	200.5	
2	8	5.310	5.310	0.000	75386	0.5379	34.9- 94.9	58.6	
			Average of Peak Amounts =			0.5179			
						RPD = 17.62			

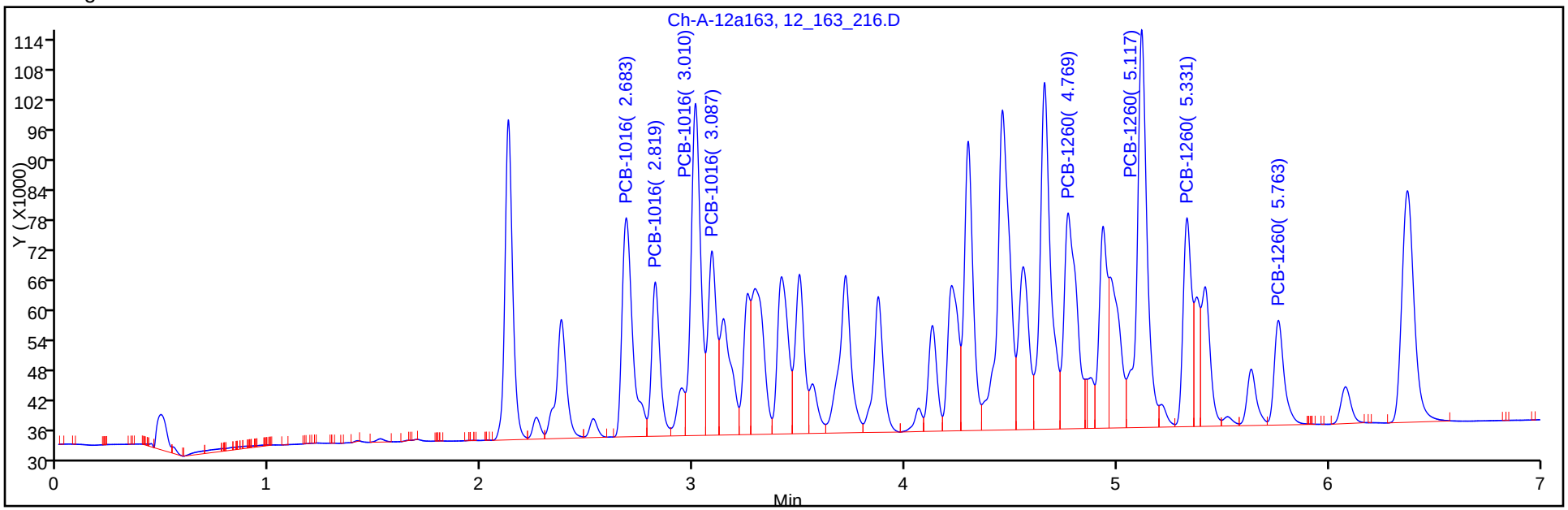
Det	Sig	RT	ADJ RT	DLT RT	Response	On-Col Amt ng/uL	Ratio Range	Ratio	Flags
E 12 DCB Decachlorobiphenyl									
1	1	6.372	6.372	0.000	186545	0.0404			
2	2	5.766	5.766	0.000	188354	0.0342			
						RPD = 16.52			

Report Date: 06-Apr-2012 08:56:23 Chrom Revision: 2.0 20-Feb-2012 13:27:02

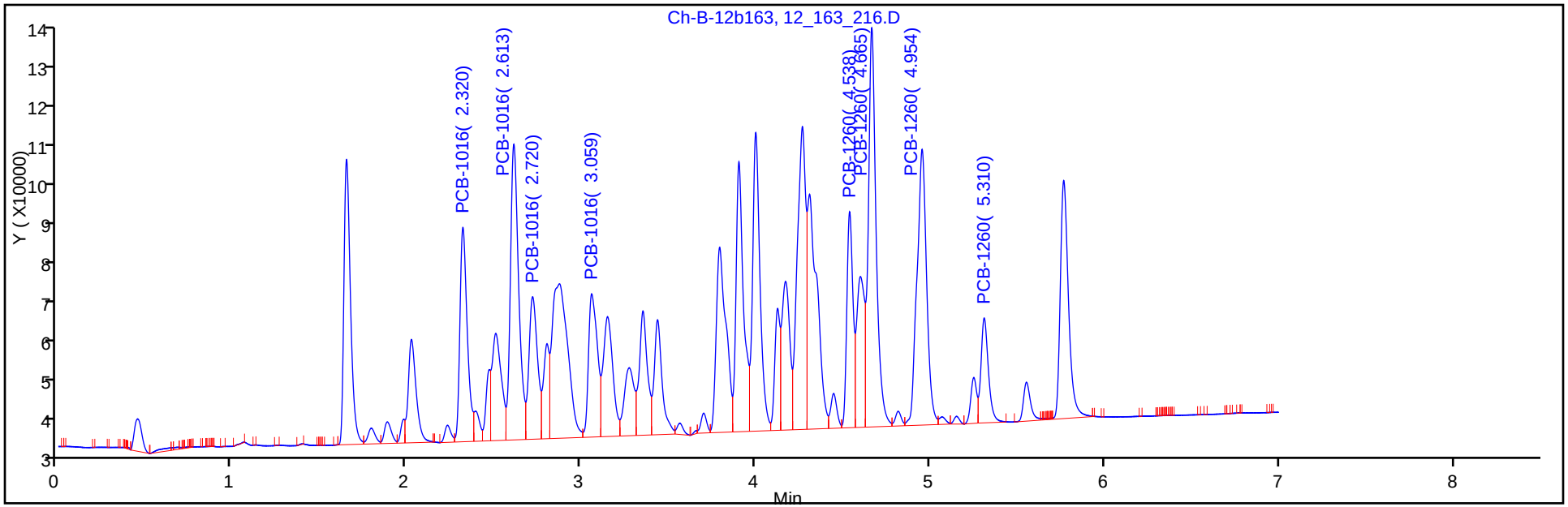
Data File: \\Bufchrom\ChromData\HP5890-12\20120405-10755.b\12_163_216.D

Injection Date:	05-Apr-2012 22:23:05	Limit Group:	GC - 8082 PCB ICAL
Client ID:		Instrument ID:	HP5890-12
Lims Batch ID:	58319	Lims Sample ID:	28
Operator ID:	tchrom	Injection Vol:	1.00 ul

Y Scaling:



Y Scaling:



FORM VII
PCBS CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Buffalo Job No.: 480-18068-1

SDG No.:

Lab Sample ID: CCV 480-58319/28 Calibration Date: 04/05/2012 22:23

Instrument ID: HP5890-12 Calib Start Date: 10/23/2011 13:54

GC Column: ZB-35 ID: 0.53(mm) Calib End Date: 10/23/2011 15:23

Lab File ID: 12_163_216.D Conc. Units: ng/uL

ANALYTE	CURVE TYPE	AVE CF	CF	MIN CF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
PCB-1016 Peak 1	Ave	302101	306072		0.507	0.500	1.3	15.0
PCB-1016 Peak 2	Ave	470601	478652		0.509	0.500	1.7	15.0
PCB-1016 Peak 3	Ave	202375	238004		0.588	0.500	17.6*	15.0
PCB-1016 Peak 4	Ave	242504	246008		0.507	0.500	1.4	15.0
PCB-1260 Peak 1	Ave	244938	257148		0.525	0.500	5.0	15.0
PCB-1260 Peak 2	Ave	560523	603752		0.539	0.500	7.7	15.0
PCB-1260 Peak 3	Ave	548316	515616		0.470	0.500	-6.0	15.0
PCB-1260 Peak 4	Ave	140145	150772		0.538	0.500	7.6	15.0
Tetrachloro-m-xylene	Lin1		6050233		0.0326	0.0300	8.7	15.0
DCB Decachlorobiphenyl	Ave	5501799	6278467		0.0342	0.0300	14.1	15.0

FORM VII
PCBS CONTINUING CALIBRATION RETENTION TIME SUMMARY

Lab Name: TestAmerica Buffalo Job No.: 480-18068-1

SDG No.:

Lab Sample ID: CCV 480-58319/28 Calibration Date: 04/05/2012 22:23

Instrument ID: HP5890-12 Calib Start Date: 10/23/2011 13:54

GC Column: ZB-35 ID: 0.53(mm) Calib End Date: 10/23/2011 15:23

Lab File ID: 12_163_216.D

Analyte	RT	RT WINDOW	
		TO	FROM
PCB-1016 Peak 1	2.32	2.29	2.35
PCB-1016 Peak 2	2.61	2.58	2.64
PCB-1016 Peak 3	2.72	2.69	2.75
PCB-1016 Peak 4	3.06	3.03	3.09
PCB-1260 Peak 1	4.54	4.51	4.57
PCB-1260 Peak 2	4.67	4.64	4.70
PCB-1260 Peak 3	4.95	4.92	4.98
PCB-1260 Peak 4	5.31	5.28	5.34
Tetrachloro-m-xylene	1.65	1.62	1.68
DCB Decachlorobiphenyl	5.77	5.71	5.83

TestAmerica Laboratories
Target Compound Quantitation Report

Data File: \\Bufchrom\ChromData\HP5890-12\20120405-10755.b\12_163_216.D
Lims ID: ccv Client ID:
Inject. Date: 05-Apr-2012 22:23:05 Dil. Factor: 1.0000
Sample Type: CCV
Sample ID: Name: CCV
Misc. Info.: Study: 480-0010755-028 Channel B: I/F Serial#, 9205571204
Operator: tchrom Instrument ID: HP5890-12
Vol. Injected: 1.0000 ALS Bottle#: 0
Lims Batch ID: 58319 Lims Sample ID: 28
Sublist: chrom-hp12_pcb*sub1
Detector 1 : Ch-A-7A136
Detector 2 : Ch-B-7b136

Method: \\Bufchrom\ChromData\HP5890-12\20120405-10755.b\hp12_pcb.m
Last Update: 06-Apr-2012 08:56:23 Calib Date: 23-Oct-2011 18:50:30
Quant Method: External Standard Quant By: Initial Calibration
Last ICal File: \\Bufchrom\ChromData\HP5890-12\20111023-6917.b\12_143_187.D
Limit Group: GC - 8082 PCB ICAL
Integrator: Falcon
Process Host: CORP-CTX-19

First Level Reviewer: bescod Date: 06-Apr-2012 08:56:23

Det	Sig	RT	ADJ RT	DLT RT	Response	On-Col Amt ng/uL	Ratio Range	Ratio	Flags
$ 3 Tetrachloro-m-xylene									
1	1	2.125	2.125	0.000	161860	0.0368			
2	2	1.653	1.653	0.000	181507	0.0326			
						RPD = 12.12			
6 PCB-1016									
1	1	2.683	2.683	0.000	152687	0.6693		100.0	
1	2	2.819	2.819	0.000	85105	0.7098	23.9- 83.9	55.7	
1	3	3.010	3.010	0.000	207766	0.6266	125.0- 185.0	136.1	
1	4	3.087	3.087	0.000	102231	0.7643	35.0- 95.0	67.0	
			Average of Peak Amounts =			0.6925			
2	5	2.320	2.320	0.000	153036	0.5066		100.0	
2	6	2.613	2.613	0.000	239326	0.5086	147.0- 207.0	156.4	
2	7	2.720	2.720	0.000	119002	0.5880	46.8- 106.8	77.8	
2	8	3.059	3.059	0.000	123004	0.5072	60.1- 120.1	80.4	
			Average of Peak Amounts =			0.5276			
						RPD = 27.03			
9 PCB-1260									
1	1	4.769	4.769	0.000	180703	0.6637		100.0	
1	2	5.117	5.117	0.000	262793	0.5991	117.3- 177.3	145.4	
1	3	5.331	5.331	0.000	116174	0.6562	33.5- 93.5	64.3	
1	4	5.763	5.763	0.000	68609	0.5528	9.6- 69.6	38.0	
			Average of Peak Amounts =			0.6180			
2	5	4.538	4.538	0.000	128574	0.5249		100.0	
2	6	4.665	4.665	0.000	301876	0.5386	199.7- 259.7	234.8	
2	7	4.954	4.954	0.000	257808	0.4702	180.5- 240.5	200.5	
2	8	5.310	5.310	0.000	75386	0.5379	34.9- 94.9	58.6	
			Average of Peak Amounts =			0.5179			
						RPD = 17.62			

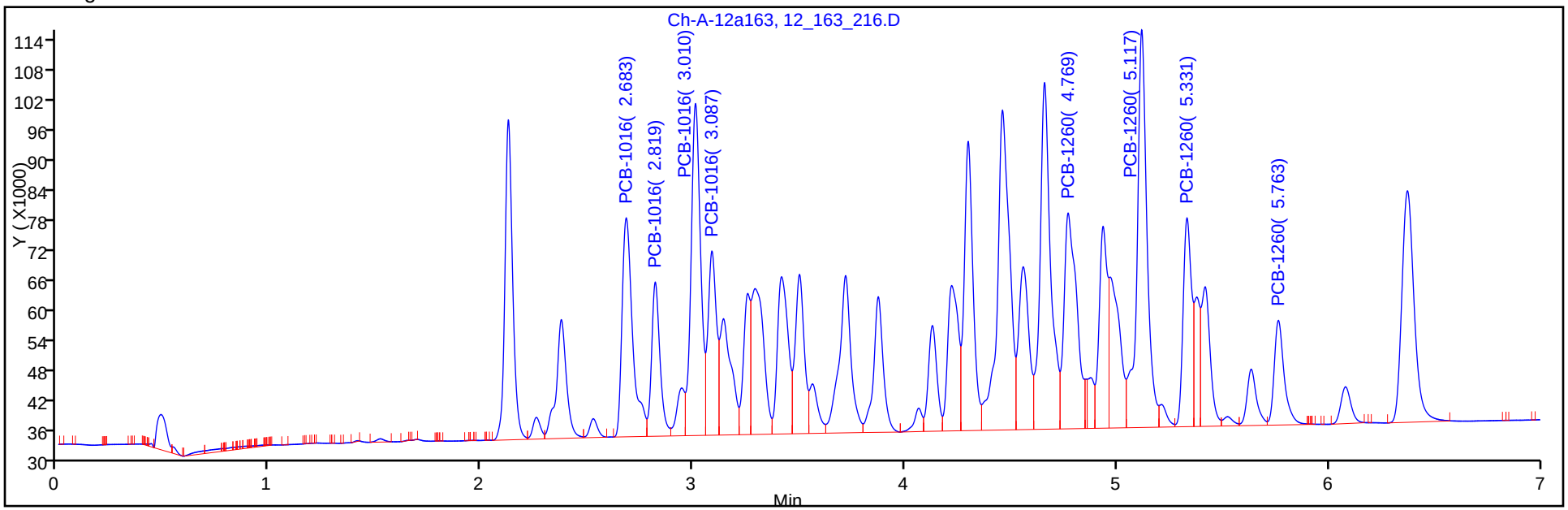
Det	Sig	RT	ADJ RT	DLT RT	Response	On-Col Amt ng/uL	Ratio Range	Ratio	Flags
E 12 DCB Decachlorobiphenyl									
1	1	6.372	6.372	0.000	186545	0.0404			
2	2	5.766	5.766	0.000	188354	0.0342			
						RPD = 16.52			

Report Date: 06-Apr-2012 08:56:23 Chrom Revision: 2.0 20-Feb-2012 13:27:02

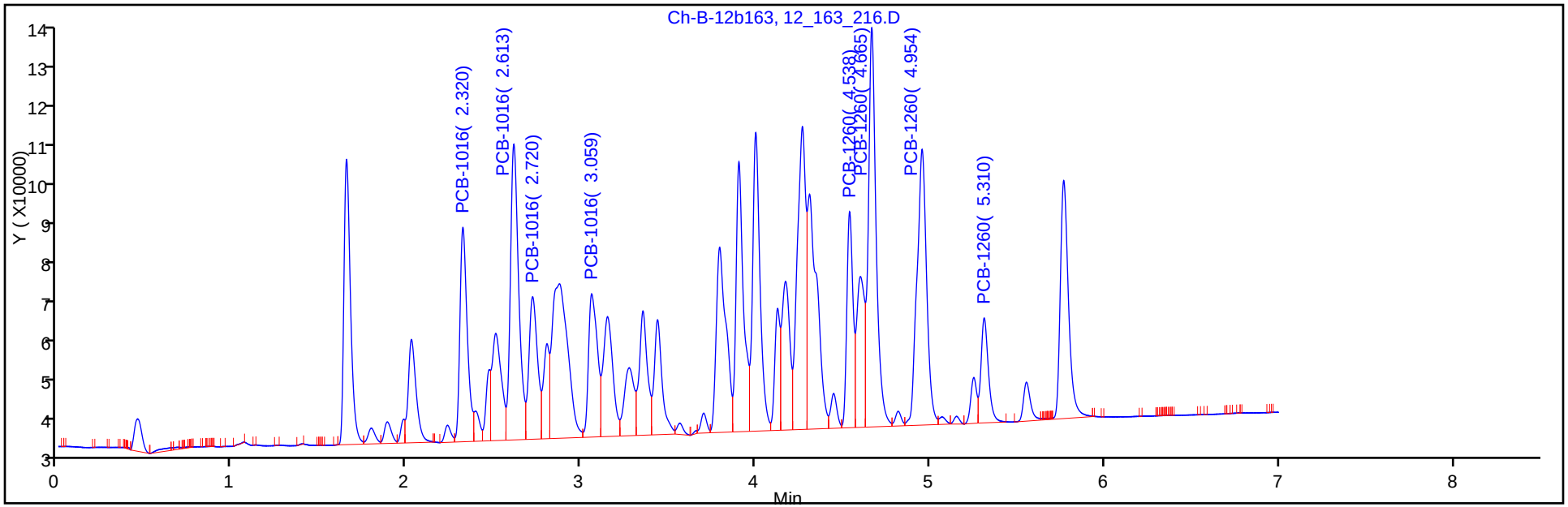
Data File: \\Bufchrom\ChromData\HP5890-12\20120405-10755.b\12_163_216.D

Injection Date:	05-Apr-2012 22:23:05	Limit Group:	GC - 8082 PCB ICAL
Client ID:		Instrument ID:	HP5890-12
Lims Batch ID:	58319	Lims Sample ID:	28
Operator ID:	tchrom	Injection Vol:	1.00 ul

Y Scaling:



Y Scaling:



FORM VII
PCBS CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Buffalo Job No.: 480-18068-1

SDG No.:

Lab Sample ID: CCV 480-58319/34 Calibration Date: 04/05/2012 23:51

Instrument ID: HP5890-12 Calib Start Date: 10/23/2011 13:54

GC Column: ZB-5 ID: 0.53(mm) Calib End Date: 10/23/2011 15:23

Lab File ID: 12_163_222.D Conc. Units: ng/uL

ANALYTE	CURVE TYPE	AVE CF	CF	MIN CF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
PCB-1016 Peak 1	Ave	228124	305424		0.669	0.500	33.9*	15.0
PCB-1016 Peak 2	Ave	119908	171230		0.714	0.500	42.8*	15.0
PCB-1016 Peak 3	Ave	331581	423870		0.639	0.500	27.8*	15.0
PCB-1016 Peak 4	Ave	133756	205732		0.769	0.500	53.8*	15.0
PCB-1260 Peak 1	Ave	272257	380396		0.699	0.500	39.7*	15.0
PCB-1260 Peak 2	Ave	438611	529650		0.604	0.500	20.8*	15.0
PCB-1260 Peak 3	Ave	177029	237414		0.671	0.500	34.1*	15.0
PCB-1260 Peak 4	Ave	124111	141336		0.569	0.500	13.9	15.0
Tetrachloro-m-xylene	Lin1		5364367		0.0366	0.0300	22.0*	15.0
DCB Decachlorobiphenyl	Ave	4617528	6154733		0.0400	0.0300	33.3*	15.0

FORM VII
PCBS CONTINUING CALIBRATION RETENTION TIME SUMMARY

Lab Name: TestAmerica Buffalo Job No.: 480-18068-1

SDG No.:

Lab Sample ID: CCV 480-58319/34 Calibration Date: 04/05/2012 23:51

Instrument ID: HP5890-12 Calib Start Date: 10/23/2011 13:54

GC Column: ZB-5 ID: 0.53(mm) Calib End Date: 10/23/2011 15:23

Lab File ID: 12_163_222.D

Analyte	RT	RT WINDOW	
		TO	FROM
PCB-1016 Peak 1	2.68	2.65	2.71
PCB-1016 Peak 2	2.82	2.79	2.85
PCB-1016 Peak 3	3.01	2.98	3.04
PCB-1016 Peak 4	3.09	3.06	3.12
PCB-1260 Peak 1	4.77	4.74	4.80
PCB-1260 Peak 2	5.12	5.09	5.15
PCB-1260 Peak 3	5.33	5.30	5.36
PCB-1260 Peak 4	5.77	5.74	5.80
Tetrachloro-m-xylene	2.13	2.10	2.16
DCB Decachlorobiphenyl	6.37	6.31	6.43

TestAmerica Laboratories
Target Compound Quantitation Report

Data File: \\Bufchrom\ChromData\HP5890-12\20120405-10755.b\12_163_222.D
Lims ID: ccv Client ID:
Inject. Date: 05-Apr-2012 23:51:40 Dil. Factor: 1.0000
Sample Type: CCV
Sample ID: Name: CCV
Misc. Info.: Study: 480-0010755-034 Channel B: I/F Serial#, 9205571204
Operator: tchrom Instrument ID: HP5890-12
Vol. Injected: 1.0000 ALS Bottle#: 0
Lims Batch ID: 58319 Lims Sample ID: 34
Sublist: chrom-hp12_pcb*sub1
Detector 1 : Ch-A-7A136
Detector 2 : Ch-B-7b136

Method: \\Bufchrom\ChromData\HP5890-12\20120405-10755.b\hp12_pcb.m
Last Update: 06-Apr-2012 08:57:45 Calib Date: 23-Oct-2011 18:50:30
Quant Method: External Standard Quant By: Initial Calibration
Last ICal File: \\Bufchrom\ChromData\HP5890-12\20111023-6917.b\12_143_187.D
Limit Group: GC - 8082 PCB ICAL
Integrator: Falcon
Process Host: CORP-CTX-19

First Level Reviewer: bescod Date: 06-Apr-2012 08:57:45

Det	Sig	RT	ADJ RT	DLT RT	Response	On-Col Amt ng/uL	Ratio Range	Ratio	Flags
$ 3 Tetrachloro-m-xylene									
1	1	2.128	2.128	0.000	160931	0.0366			
2	2	1.655	1.655	0.000	179314	0.0322			
						RPD = 12.75			
6 PCB-1016									
1	1	2.683	2.683	0.000	152712	0.6694		100.0	
1	2	2.821	2.821	0.000	85615	0.7140	23.9- 83.9	56.1	
1	3	3.011	3.011	0.000	211935	0.6392	125.0- 185.0	138.8	
1	4	3.090	3.090	0.000	102866	0.7691	35.0- 95.0	67.4	
			Average of Peak Amounts =			0.6979			
2	5	2.321	2.321	0.000	153988	0.5097		100.0	
2	6	2.613	2.613	0.000	240198	0.5104	147.0- 207.0	156.0	
2	7	2.721	2.721	0.000	117023	0.5782	46.8- 106.8	76.0	
2	8	3.062	3.062	0.000	123992	0.5113	60.1- 120.1	80.5	
			Average of Peak Amounts =			0.5274			
						RPD = 27.83			
9 PCB-1260									
1	1	4.773	4.773	0.000	190198	0.6986		100.0	
1	2	5.118	5.118	0.000	264825	0.6038	117.3- 177.3	139.2	
1	3	5.330	5.330	0.000	118707	0.6706	33.5- 93.5	62.4	
1	4	5.765	5.765	0.000	70668	0.5694	9.6- 69.6	37.2	
			Average of Peak Amounts =			0.6356			
2	5	4.543	4.543	0.000	127425	0.5202		100.0	
2	6	4.668	4.668	0.000	295172	0.5266	199.7- 259.7	231.6	
2	7	4.956	4.956	0.000	254161	0.4635	180.5- 240.5	199.5	
2	8	5.309	5.309	0.000	72693	0.5187	34.9- 94.9	57.0	
			Average of Peak Amounts =			0.5073			
						RPD = 22.46			

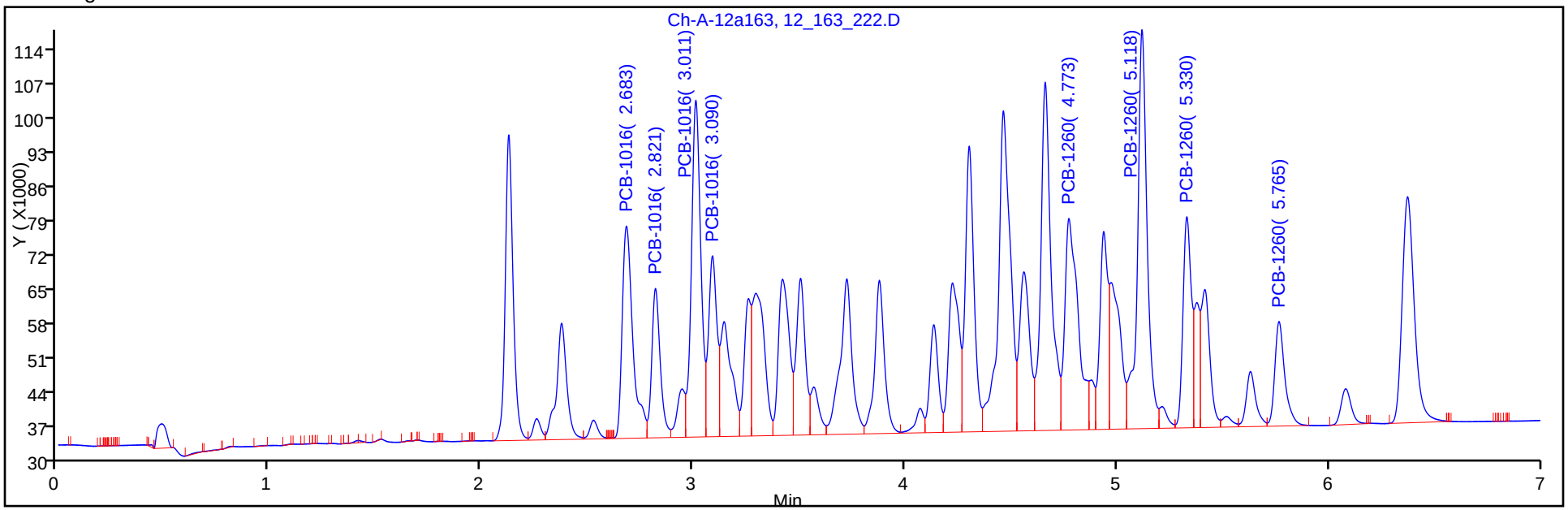
Det	Sig	RT	ADJ RT	DLT RT	Response	On-Col Amt ng/uL	Ratio Range	Ratio	Flags
E 12 DCB Decachlorobiphenyl									
1	1	6.373	6.373	0.000	184642	0.0400			
2	2	5.771	5.771	0.000	187992	0.0342			
						RPD = 15.69			

Report Date: 06-Apr-2012 08:57:45 Chrom Revision: 2.0 20-Feb-2012 13:27:02

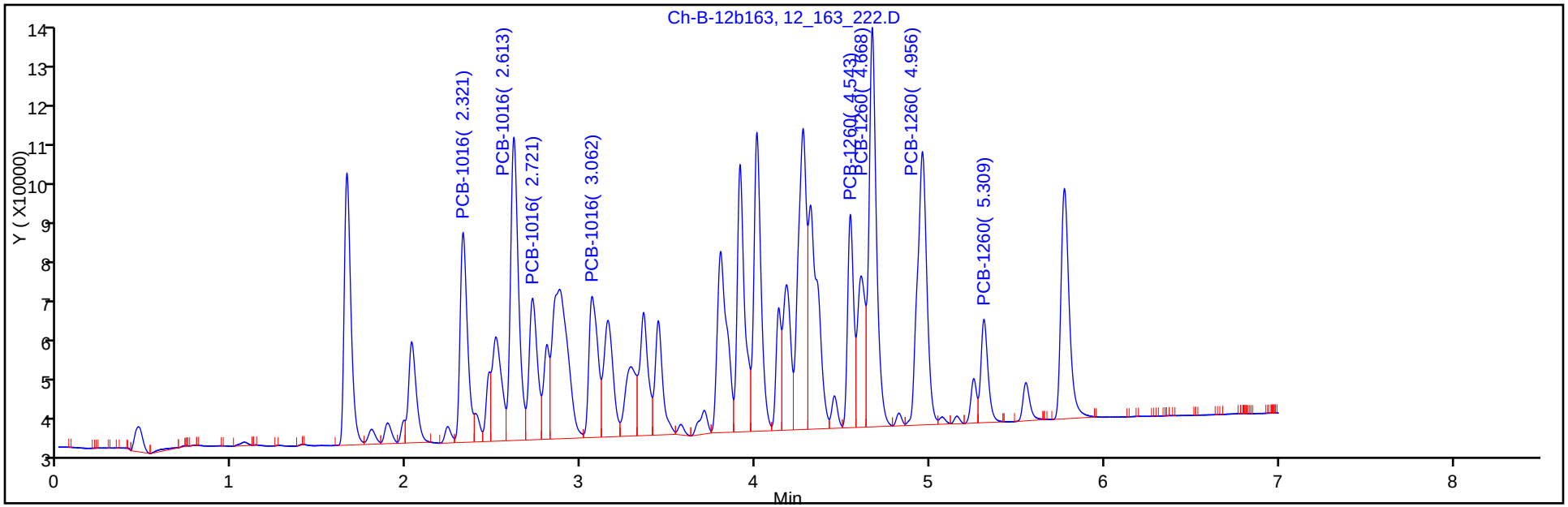
Data File: \\Bufchrom\ChromData\HP5890-12\20120405-10755.b\12_163_222.D

Injection Date:	05-Apr-2012 23:51:40	Limit Group:	GC - 8082 PCB ICAL
Client ID:		Instrument ID:	HP5890-12
Lims Batch ID:	58319	Lims Sample ID:	34
Operator ID:	tchrom	Injection Vol:	1.00 ul

Y Scaling:



Y Scaling:



FORM VII
PCBS CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Buffalo Job No.: 480-18068-1

SDG No.:

Lab Sample ID: CCV 480-58319/34 Calibration Date: 04/05/2012 23:51

Instrument ID: HP5890-12 Calib Start Date: 10/23/2011 13:54

GC Column: ZB-35 ID: 0.53(mm) Calib End Date: 10/23/2011 15:23

Lab File ID: 12_163_222.D Conc. Units: ng/uL

ANALYTE	CURVE TYPE	AVE CF	CF	MIN CF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
PCB-1016 Peak 1	Ave	302101	307976		0.510	0.500	1.9	15.0
PCB-1016 Peak 2	Ave	470601	480396		0.510	0.500	2.1	15.0
PCB-1016 Peak 3	Ave	202375	234046		0.578	0.500	15.6*	15.0
PCB-1016 Peak 4	Ave	242504	247984		0.511	0.500	2.3	15.0
PCB-1260 Peak 1	Ave	244938	254850		0.520	0.500	4.0	15.0
PCB-1260 Peak 2	Ave	560523	590344		0.527	0.500	5.3	15.0
PCB-1260 Peak 3	Ave	548316	508322		0.464	0.500	-7.3	15.0
PCB-1260 Peak 4	Ave	140145	145386		0.519	0.500	3.7	15.0
Tetrachloro-m-xylene	Lin1		5977133		0.0322	0.0300	7.3	15.0
DCB Decachlorobiphenyl	Ave	5501799	6266400		0.0342	0.0300	13.9	15.0

FORM VII
PCBS CONTINUING CALIBRATION RETENTION TIME SUMMARY

Lab Name: TestAmerica Buffalo Job No.: 480-18068-1

SDG No.:

Lab Sample ID: CCV 480-58319/34 Calibration Date: 04/05/2012 23:51

Instrument ID: HP5890-12 Calib Start Date: 10/23/2011 13:54

GC Column: ZB-35 ID: 0.53(mm) Calib End Date: 10/23/2011 15:23

Lab File ID: 12_163_222.D

Analyte	RT	RT WINDOW	
		TO	FROM
PCB-1016 Peak 1	2.32	2.29	2.35
PCB-1016 Peak 2	2.61	2.58	2.64
PCB-1016 Peak 3	2.72	2.69	2.75
PCB-1016 Peak 4	3.06	3.03	3.09
PCB-1260 Peak 1	4.54	4.51	4.57
PCB-1260 Peak 2	4.67	4.64	4.70
PCB-1260 Peak 3	4.96	4.93	4.99
PCB-1260 Peak 4	5.31	5.28	5.34
Tetrachloro-m-xylene	1.66	1.63	1.69
DCB Decachlorobiphenyl	5.77	5.71	5.83

TestAmerica Laboratories
Target Compound Quantitation Report

Data File: \\Bufchrom\ChromData\HP5890-12\20120405-10755.b\12_163_222.D
Lims ID: ccv Client ID:
Inject. Date: 05-Apr-2012 23:51:40 Dil. Factor: 1.0000
Sample Type: CCV
Sample ID: Name: CCV
Misc. Info.: Study: 480-0010755-034 Channel B: I/F Serial#, 9205571204
Operator: tchrom Instrument ID: HP5890-12
Vol. Injected: 1.0000 ALS Bottle#: 0
Lims Batch ID: 58319 Lims Sample ID: 34
Sublist: chrom-hp12_pcb*sub1
Detector 1 : Ch-A-7A136
Detector 2 : Ch-B-7b136

Method: \\Bufchrom\ChromData\HP5890-12\20120405-10755.b\hp12_pcb.m
Last Update: 06-Apr-2012 08:57:45 Calib Date: 23-Oct-2011 18:50:30
Quant Method: External Standard Quant By: Initial Calibration
Last ICal File: \\Bufchrom\ChromData\HP5890-12\20111023-6917.b\12_143_187.D
Limit Group: GC - 8082 PCB ICAL
Integrator: Falcon
Process Host: CORP-CTX-19

First Level Reviewer: bescod Date: 06-Apr-2012 08:57:45

Det	Sig	RT	ADJ RT	DLT RT	Response	On-Col Amt ng/uL	Ratio Range	Ratio	Flags
$ 3 Tetrachloro-m-xylene									
1	1	2.128	2.128	0.000	160931	0.0366			
2	2	1.655	1.655	0.000	179314	0.0322			
						RPD = 12.75			
6 PCB-1016									
1	1	2.683	2.683	0.000	152712	0.6694		100.0	
1	2	2.821	2.821	0.000	85615	0.7140	23.9- 83.9	56.1	
1	3	3.011	3.011	0.000	211935	0.6392	125.0- 185.0	138.8	
1	4	3.090	3.090	0.000	102866	0.7691	35.0- 95.0	67.4	
			Average of Peak Amounts =			0.6979			
2	5	2.321	2.321	0.000	153988	0.5097		100.0	
2	6	2.613	2.613	0.000	240198	0.5104	147.0- 207.0	156.0	
2	7	2.721	2.721	0.000	117023	0.5782	46.8- 106.8	76.0	
2	8	3.062	3.062	0.000	123992	0.5113	60.1- 120.1	80.5	
			Average of Peak Amounts =			0.5274			
						RPD = 27.83			
9 PCB-1260									
1	1	4.773	4.773	0.000	190198	0.6986		100.0	
1	2	5.118	5.118	0.000	264825	0.6038	117.3- 177.3	139.2	
1	3	5.330	5.330	0.000	118707	0.6706	33.5- 93.5	62.4	
1	4	5.765	5.765	0.000	70668	0.5694	9.6- 69.6	37.2	
			Average of Peak Amounts =			0.6356			
2	5	4.543	4.543	0.000	127425	0.5202		100.0	
2	6	4.668	4.668	0.000	295172	0.5266	199.7- 259.7	231.6	
2	7	4.956	4.956	0.000	254161	0.4635	180.5- 240.5	199.5	
2	8	5.309	5.309	0.000	72693	0.5187	34.9- 94.9	57.0	
			Average of Peak Amounts =			0.5073			
						RPD = 22.46			

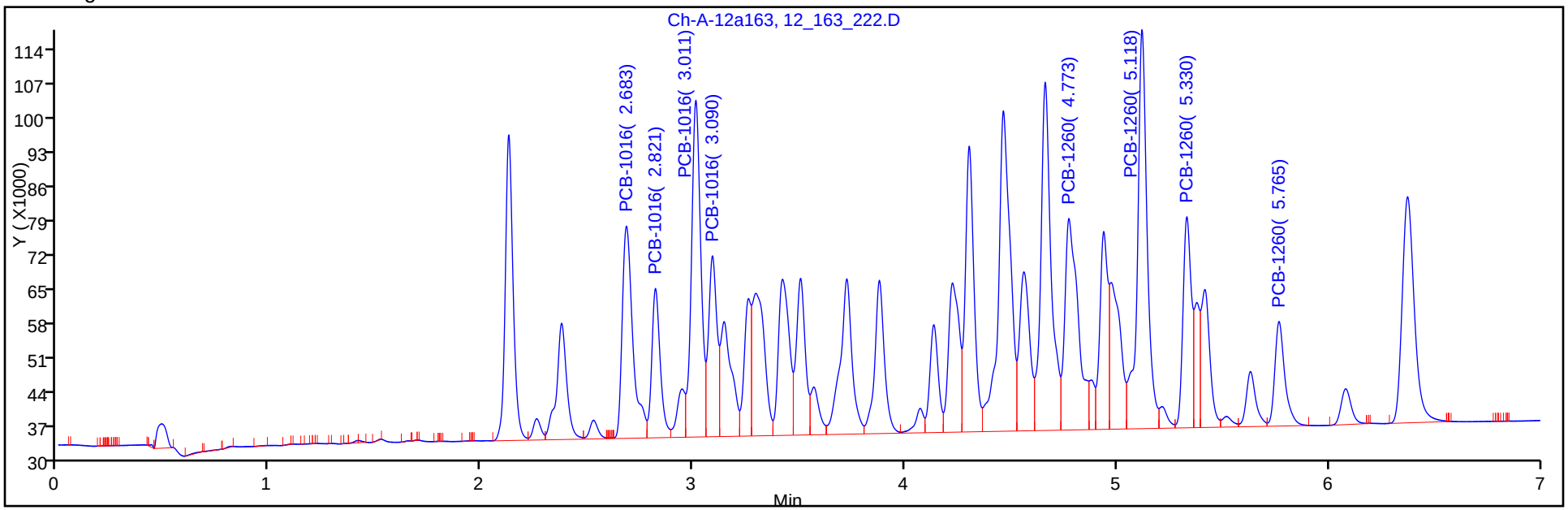
Det	Sig	RT	ADJ RT	DLT RT	Response	On-Col Amt ng/uL	Ratio Range	Ratio	Flags
E 12 DCB Decachlorobiphenyl									
1	1	6.373	6.373	0.000	184642	0.0400			
2	2	5.771	5.771	0.000	187992	0.0342			
						RPD = 15.69			

Report Date: 06-Apr-2012 08:57:46 Chrom Revision: 2.0 20-Feb-2012 13:27:02

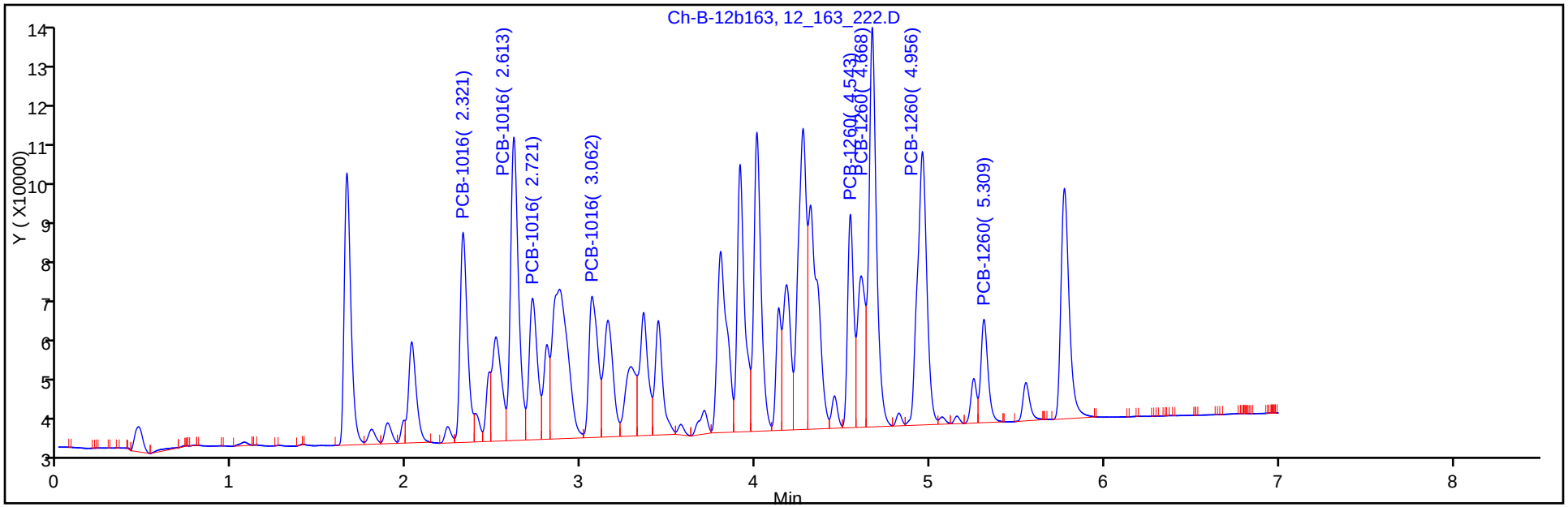
Data File: \\Bufchrom\ChromData\HP5890-12\20120405-10755.b\12_163_222.D

Injection Date:	05-Apr-2012 23:51:40	Limit Group:	GC - 8082 PCB ICAL
Client ID:		Instrument ID:	HP5890-12
Lims Batch ID:	58319	Lims Sample ID:	34
Operator ID:	tchrom	Injection Vol:	1.00 ul

Y Scaling:



Y Scaling:



FORM I
PCBS ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Buffalo Job No.: 480-18068-1

SDG No.:

Client Sample ID: Lab Sample ID: MB 480-58267/1-A

Matrix: Solid Lab File ID: 12_163_199.D

Analysis Method: 8082 Date Collected:

Extraction Method: 3550B Date Extracted: 04/05/2012 09:40

Sample wt/vol: +2.44(g) Date Analyzed: 04/05/2012 18:12

Con. Extract Vol.: 10(mL) Dilution Factor: 1

Injection Volume: 1(uL) GC Column: ZB-5 ID: 0.53(mm)

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

Analysis Batch No.: 58319 Units: ug/Kg

CAS NO.	SURROGATE	%REC	Q	LIMITS
2051-24-3	DCB Decachlorobiphenyl	157		36-182
877-09-8	Tetrachloro-m-xylene	140		24-172

TestAmerica Laboratories
Target Compound Quantitation Report

Data File:	\\Bufchrom\ChromData\HP5890-12\20120405-10755.b\12_163_199.D		
Lims ID:	MB 480-58267/1-A	Client ID:	
Inject. Date:	05-Apr-2012 18:12:15	Dil. Factor:	1.0000
Sample Type:	MB		
Sample ID:			
Misc. Info.:			
Operator:	tchrom	Instrument ID:	HP5890-12
Vol. Injected:	1.0000	ALS Bottle#:	0
Lims Batch ID:	58319	Lims Sample ID:	11
Detector 1 :	Ch-A-7A136		
Detector 2 :	Ch-B-7b136		
Method:	\\Bufchrom\ChromData\HP5890-12\20120405-10755.b\hp12_pcb.m		
Last Update:	05-Apr-2012 17:54:41	Calib Date:	23-Oct-2011 18:50:30
Quant Method:	External Standard	Quant By:	Initial Calibration
Last ICal File:	\\Bufchrom\ChromData\HP5890-12\20111023-6917.b\12_143_187.D		
Limit Group:	GC - 8082 PCB ICAL		
Integrator:	Falcon		
Process Host:	CORP-CTX-19		

First Level Reviewer: michalej Date: 05-Apr-2012 18:30:22

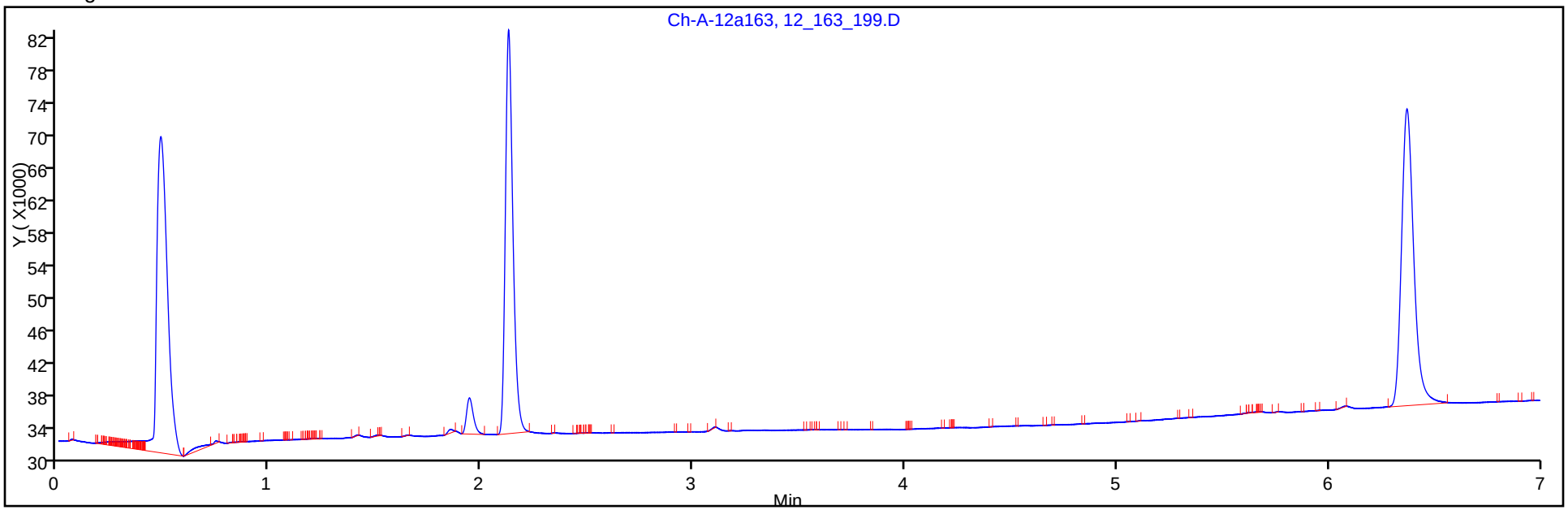
Det	Sig	RT	ADJ RT	DLT RT	Response	On-Col Amt ng/uL	Ratio Range	Ratio	Flags
$ 3 Tetrachloro-m-xylene									
1	1	2.127	2.127	0.000	121434	0.0279			
2	2	1.654	1.655	-0.001	150888	0.0272			
						RPD = 2.45			
E 12 DCB Decachlorobiphenyl									
1	1	6.370	6.373	-0.003	144723	0.0313			
2	2	5.764	5.769	-0.005	147542	0.0268			
						RPD = 15.56			

Report Date: 05-Apr-2012 18:30:23 Chrom Revision: 2.0 20-Feb-2012 13:27:02

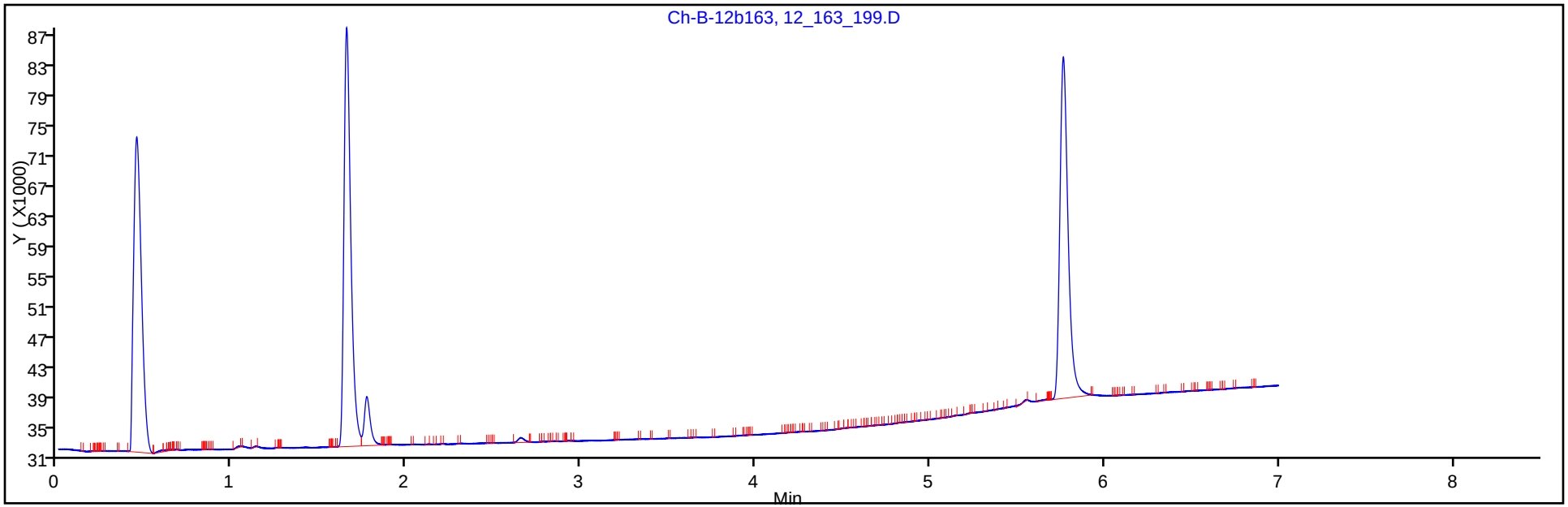
Data File: \\Bufchrom\ChromData\HP5890-12\20120405-10755.b\12_163_199.D

Injection Date:	05-Apr-2012 18:12:15	Limit Group:	GC - 8082 PCB ICAL
Client ID:		Instrument ID:	HP5890-12
Lims Batch ID:	58319	Lims Sample ID:	11
Operator ID:	tchrom	Injection Vol:	1.00 ul

Y Scaling:



Y Scaling:



FORM I
PCBS ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Buffalo | Job No.: 480-18068-1

SDG No.:

Client Sample ID: | Lab Sample ID: MB 480-58267/1-A

Matrix: Solid | Lab File ID: 12_163_199.D

Analysis Method: 8082 | Date Collected:

Extraction Method: 3550B | Date Extracted: 04/05/2012 09:40

Sample wt/vol: +2.44(g) | Date Analyzed: 04/05/2012 18:12

Con. Extract Vol.: 10(mL) | Dilution Factor: 1

Injection Volume: 1(uL) | GC Column: ZB-35 ID: 0.53(mm)

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

Analysis Batch No.: 58319 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
12674-11-2	PCB-1016	ND		200	40
11104-28-2	PCB-1221	ND		200	40
11141-16-5	PCB-1232	ND		200	40
53469-21-9	PCB-1242	ND		200	45
12672-29-6	PCB-1248	ND		200	40
11097-69-1	PCB-1254	ND		200	43
11096-82-5	PCB-1260	ND		200	96

CAS NO.	SURROGATE	%REC	Q	LIMITS
2051-24-3	DCB Decachlorobiphenyl	134		36-182
877-09-8	Tetrachloro-m-xylene	136		24-172

TestAmerica Laboratories
Target Compound Quantitation Report

Data File:	\\Bufchrom\ChromData\HP5890-12\20120405-10755.b\12_163_199.D		
Lims ID:	MB 480-58267/1-A	Client ID:	
Inject. Date:	05-Apr-2012 18:12:15	Dil. Factor:	1.0000
Sample Type:	MB		
Sample ID:			
Misc. Info.:			
Operator:	tchrom	Instrument ID:	HP5890-12
Vol. Injected:	1.0000	ALS Bottle#:	0
Lims Batch ID:	58319	Lims Sample ID:	11
Detector 1 :	Ch-A-7A136		
Detector 2 :	Ch-B-7b136		
Method:	\\Bufchrom\ChromData\HP5890-12\20120405-10755.b\hp12_pcb.m		
Last Update:	05-Apr-2012 17:54:41	Calib Date:	23-Oct-2011 18:50:30
Quant Method:	External Standard	Quant By:	Initial Calibration
Last ICal File:	\\Bufchrom\ChromData\HP5890-12\20111023-6917.b\12_143_187.D		
Limit Group:	GC - 8082 PCB ICAL		
Integrator:	Falcon		
Process Host:	CORP-CTX-19		

First Level Reviewer: michalej Date: 05-Apr-2012 18:30:22

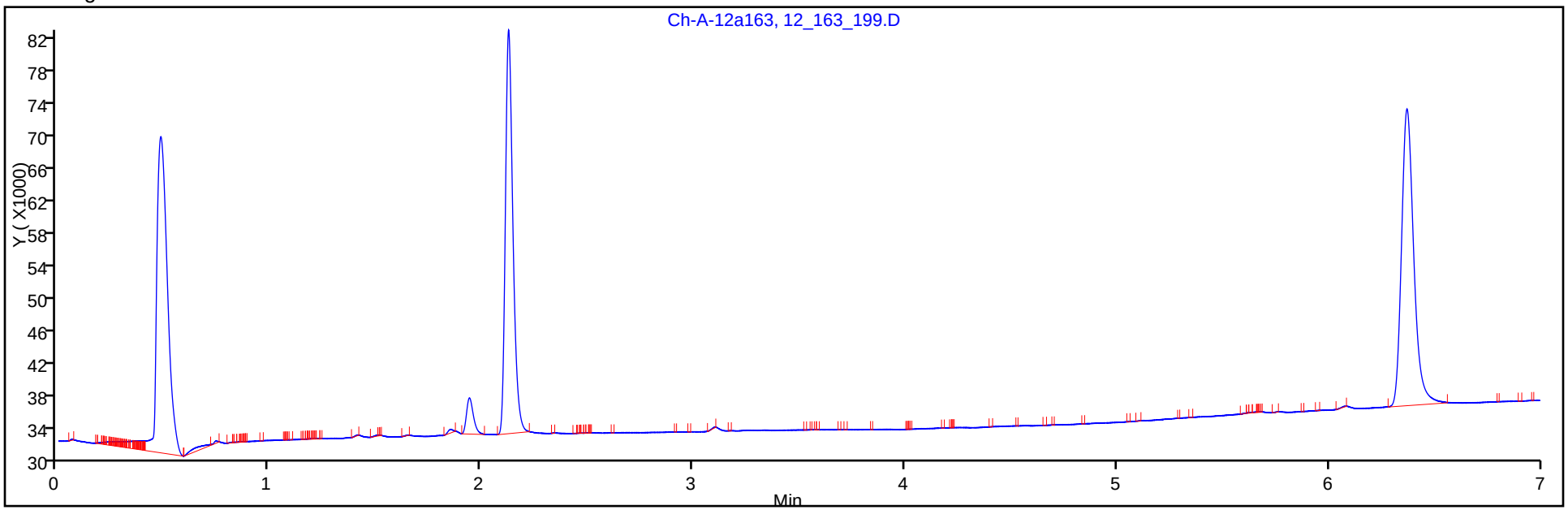
Det	Sig	RT	ADJ RT	DLT RT	Response	On-Col Amt ng/uL	Ratio Range	Ratio	Flags
$ 3 Tetrachloro-m-xylene									
1	1	2.127	2.127	0.000	121434	0.0279			
2	2	1.654	1.655	-0.001	150888	0.0272			
						RPD = 2.45			
E 12 DCB Decachlorobiphenyl									
1	1	6.370	6.373	-0.003	144723	0.0313			
2	2	5.764	5.769	-0.005	147542	0.0268			
						RPD = 15.56			

Report Date: 05-Apr-2012 18:30:23 Chrom Revision: 2.0 20-Feb-2012 13:27:02

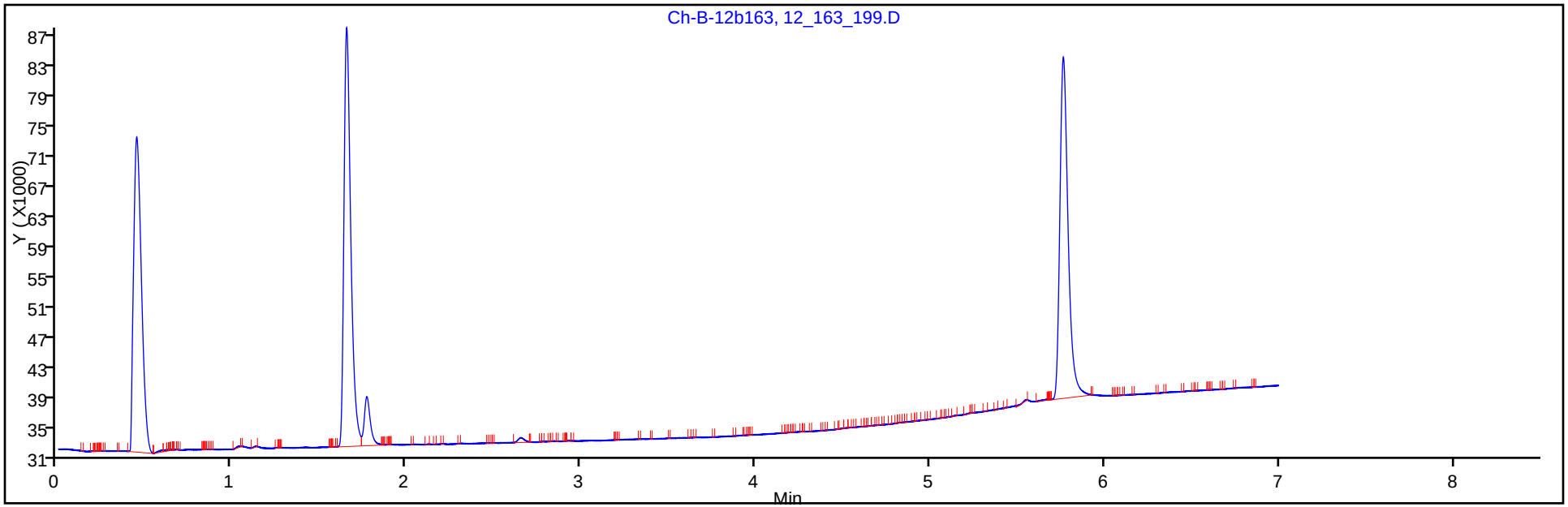
Data File: \\Bufchrom\ChromData\HP5890-12\20120405-10755.b\12_163_199.D

Injection Date:	05-Apr-2012 18:12:15	Limit Group:	GC - 8082 PCB ICAL
Client ID:		Instrument ID:	HP5890-12
Lims Batch ID:	58319	Lims Sample ID:	11
Operator ID:	tchrom	Injection Vol:	1.00 ul

Y Scaling:



Y Scaling:



FORM I
PCBS ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Buffalo Job No.: 480-18068-1

SDG No.:

Client Sample ID: Lab Sample ID: LCS 480-58267/2-A

Matrix: Solid Lab File ID: 12_163_200.D

Analysis Method: 8082 Date Collected:

Extraction Method: 3550B Date Extracted: 04/05/2012 09:40

Sample wt/vol: +2.11(g) Date Analyzed: 04/05/2012 18:27

Con. Extract Vol.: 10(mL) Dilution Factor: 1

Injection Volume: 1(uL) GC Column: ZB-5 ID: 0.53(mm)

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

Analysis Batch No.: 58319 Units: ug/Kg

CAS NO.	SURROGATE	%REC	Q	LIMITS
2051-24-3	DCB Decachlorobiphenyl	184	X	36-182
877-09-8	Tetrachloro-m-xylene	182	X	24-172

TestAmerica Laboratories
Target Compound Quantitation Report

Data File: \\Bufchrom\ChromData\HP5890-12\20120405-10755.b\12_163_200.D
Lims ID: LCS 480-58267/2-A Client ID:
Inject. Date: 05-Apr-2012 18:27:00 Dil. Factor: 1.0000
Sample Type: LCS
Sample ID:
Misc. Info.:
Operator: tchrom Instrument ID: HP5890-12
Vol. Injected: 1.0000 ALS Bottle#: 0
Lims Batch ID: 58319 Lims Sample ID: 12
Detector 1 : Ch-A-7A136
Detector 2 : Ch-B-7b136

Method: \\Bufchrom\ChromData\HP5890-12\20120405-10755.b\hp12_pcb.m
Last Update: 05-Apr-2012 17:54:41 Calib Date: 23-Oct-2011 18:50:30
Quant Method: External Standard Quant By: Initial Calibration
Last ICal File: \\Bufchrom\ChromData\HP5890-12\20111023-6917.b\12_143_187.D
Limit Group: GC - 8082 PCB ICAL
Integrator: Falcon
Process Host: CORP-CTX-19

First Level Reviewer: michalej Date: 05-Apr-2012 18:43:10

Det	Sig	RT	ADJ RT	DLT RT	Response	On-Col Amt ng/uL	Ratio Range	Ratio	Flags
$ 3 Tetrachloro-m-xylene									
1	1	2.125	2.127	-0.002	160107	0.0364			
2	2	1.652	1.655	-0.003	178411	0.0320			
						RPD = 12.74			
6 PCB-1016									
1	1	2.680	2.683	-0.003	209507	0.9184		100.0	
1	2	2.817	2.819	-0.002	117223	0.9776	23.9- 83.9	56.0	
1	3	3.007	3.011	-0.004	295374	0.8908	125.0- 185.0	141.0	
1	4	3.085	3.089	-0.004	142590	1.07	35.0- 95.0	68.1	
			Average of Peak Amounts =			0.9632			
2	5	2.317	2.321	-0.004	209750	0.6943		100.0	
2	6	2.609	2.613	-0.004	338706	0.7197	147.0- 207.0	161.5	
2	7	2.715	2.719	-0.004	163286	0.8068	46.8- 106.8	77.8	
2	8	3.055	3.061	-0.006	171542	0.7074	60.1- 120.1	81.8	
			Average of Peak Amounts =			0.7321			
						RPD = 27.27			
9 PCB-1260									
1	1	4.766	4.774	-0.008	275806	1.01		100.0	
1	2	5.113	5.121	-0.008	390187	0.8896	117.3- 177.3	141.5	
1	3	5.327	5.333	-0.006	155473	0.8782	33.5- 93.5	56.4	
1	4	5.757	5.765	-0.008	113153	0.9117	9.6- 69.6	41.0	
			Average of Peak Amounts =			0.9231			
2	5	4.535	4.545	-0.010	183504	0.7492		100.0	
2	6	4.661	4.671	-0.010	442758	0.7899	199.7- 259.7	241.3	
2	7	4.950	4.958	-0.008	391141	0.7133	180.5- 240.5	213.2	
2	8	5.305	5.314	-0.009	124563	0.8888	34.9- 94.9	67.9	
			Average of Peak Amounts =			0.7853			
						RPD = 16.13			

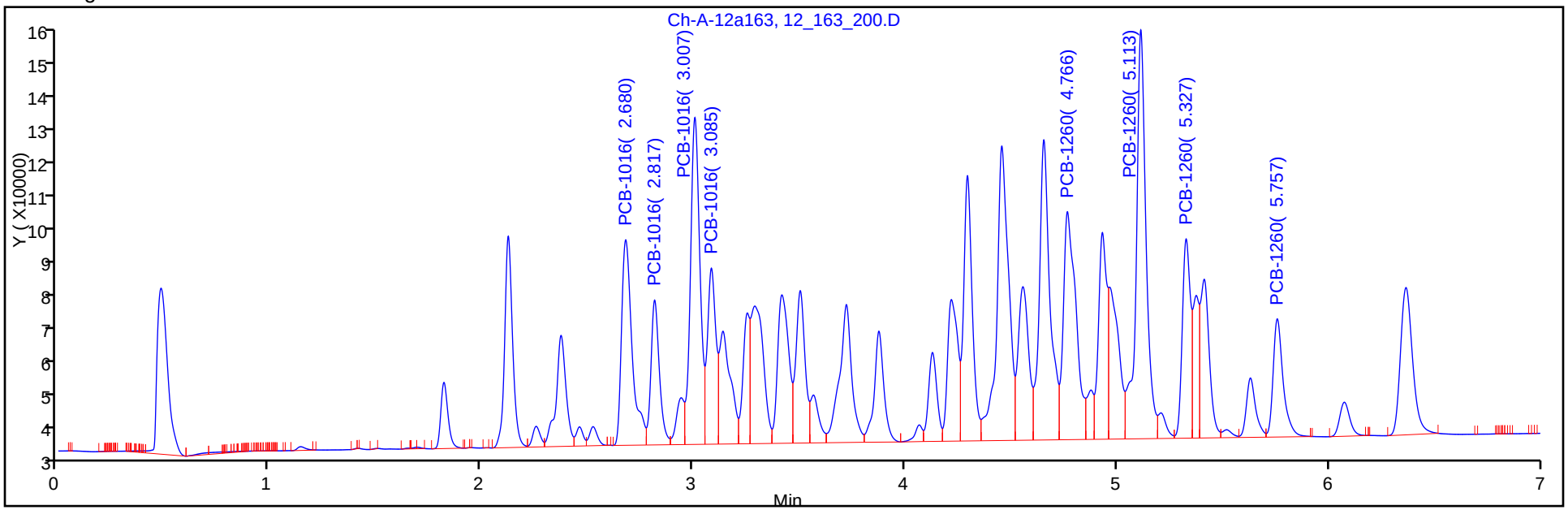
Det	Sig	RT	ADJ RT	DLT RT	Response	On-Col Amt ng/uL	Ratio Range	Ratio	Flags
E 12 DCB Decachlorobiphenyl									
1	1	6.365	6.373	-0.008	170202	0.0369			
2	2	5.761	5.769	-0.008	173462	0.0315			
						RPD = 15.59			

Report Date: 05-Apr-2012 18:43:10 Chrom Revision: 2.0 20-Feb-2012 13:27:02

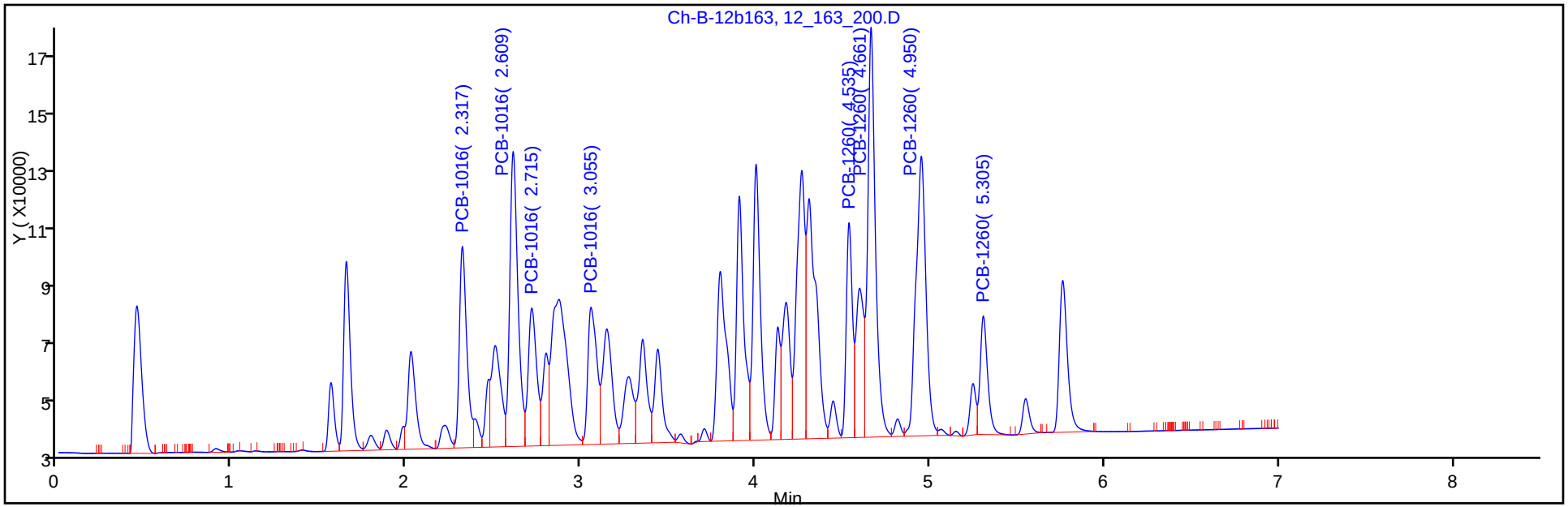
Data File: \\Bufchrom\ChromData\HP5890-12\20120405-10755.b\12_163_200.D

Injection Date:	05-Apr-2012 18:27:00	Limit Group:	GC - 8082 PCB ICAL
Client ID:		Instrument ID:	HP5890-12
Lims Batch ID:	58319	Lims Sample ID:	12
Operator ID:	tchrom	Injection Vol:	1.00 ul

Y Scaling:



Y Scaling:



FORM I
PCBS ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Buffalo | Job No.: 480-18068-1

SDG No.:

Client Sample ID: | Lab Sample ID: LCS 480-58267/2-A

Matrix: Solid | Lab File ID: 12_163_200.D

Analysis Method: 8082 | Date Collected:

Extraction Method: 3550B | Date Extracted: 04/05/2012 09:40

Sample wt/vol: +2.11(g) | Date Analyzed: 04/05/2012 18:27

Con. Extract Vol.: 10(mL) | Dilution Factor: 1

Injection Volume: 1(uL) | GC Column: ZB-35 ID: 0.53(mm)

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

Analysis Batch No.: 58319 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
12674-11-2	PCB-1016	3470		240	46
11096-82-5	PCB-1260	3720		240	110

CAS NO.	SURROGATE	%REC	Q	LIMITS
2051-24-3	DCB Decachlorobiphenyl	157		36-182
877-09-8	Tetrachloro-m-xylene	160		24-172

TestAmerica Laboratories
Target Compound Quantitation Report

Data File: \\Bufchrom\ChromData\HP5890-12\20120405-10755.b\12_163_200.D
Lims ID: LCS 480-58267/2-A Client ID:
Inject. Date: 05-Apr-2012 18:27:00 Dil. Factor: 1.0000
Sample Type: LCS
Sample ID:
Misc. Info.:
Operator: tchrom Instrument ID: HP5890-12
Vol. Injected: 1.0000 ALS Bottle#: 0
Lims Batch ID: 58319 Lims Sample ID: 12
Detector 1 : Ch-A-7A136
Detector 2 : Ch-B-7b136

Method: \\Bufchrom\ChromData\HP5890-12\20120405-10755.b\hp12_pcb.m
Last Update: 05-Apr-2012 17:54:41 Calib Date: 23-Oct-2011 18:50:30
Quant Method: External Standard Quant By: Initial Calibration
Last ICal File: \\Bufchrom\ChromData\HP5890-12\20111023-6917.b\12_143_187.D
Limit Group: GC - 8082 PCB ICAL
Integrator: Falcon
Process Host: CORP-CTX-19

First Level Reviewer: michalej Date: 05-Apr-2012 18:43:10

Det	Sig	RT	ADJ RT	DLT RT	Response	On-Col Amt ng/uL	Ratio Range	Ratio	Flags
$ 3 Tetrachloro-m-xylene									
1	1	2.125	2.127	-0.002	160107	0.0364			
2	2	1.652	1.655	-0.003	178411	0.0320			
						RPD = 12.74			
6 PCB-1016									
1	1	2.680	2.683	-0.003	209507	0.9184		100.0	
1	2	2.817	2.819	-0.002	117223	0.9776	23.9- 83.9	56.0	
1	3	3.007	3.011	-0.004	295374	0.8908	125.0- 185.0	141.0	
1	4	3.085	3.089	-0.004	142590	1.07	35.0- 95.0	68.1	
			Average of Peak Amounts =			0.9632			
2	5	2.317	2.321	-0.004	209750	0.6943		100.0	
2	6	2.609	2.613	-0.004	338706	0.7197	147.0- 207.0	161.5	
2	7	2.715	2.719	-0.004	163286	0.8068	46.8- 106.8	77.8	
2	8	3.055	3.061	-0.006	171542	0.7074	60.1- 120.1	81.8	
			Average of Peak Amounts =			0.7321			
						RPD = 27.27			
9 PCB-1260									
1	1	4.766	4.774	-0.008	275806	1.01		100.0	
1	2	5.113	5.121	-0.008	390187	0.8896	117.3- 177.3	141.5	
1	3	5.327	5.333	-0.006	155473	0.8782	33.5- 93.5	56.4	
1	4	5.757	5.765	-0.008	113153	0.9117	9.6- 69.6	41.0	
			Average of Peak Amounts =			0.9231			
2	5	4.535	4.545	-0.010	183504	0.7492		100.0	
2	6	4.661	4.671	-0.010	442758	0.7899	199.7- 259.7	241.3	
2	7	4.950	4.958	-0.008	391141	0.7133	180.5- 240.5	213.2	
2	8	5.305	5.314	-0.009	124563	0.8888	34.9- 94.9	67.9	
			Average of Peak Amounts =			0.7853			
						RPD = 16.13			

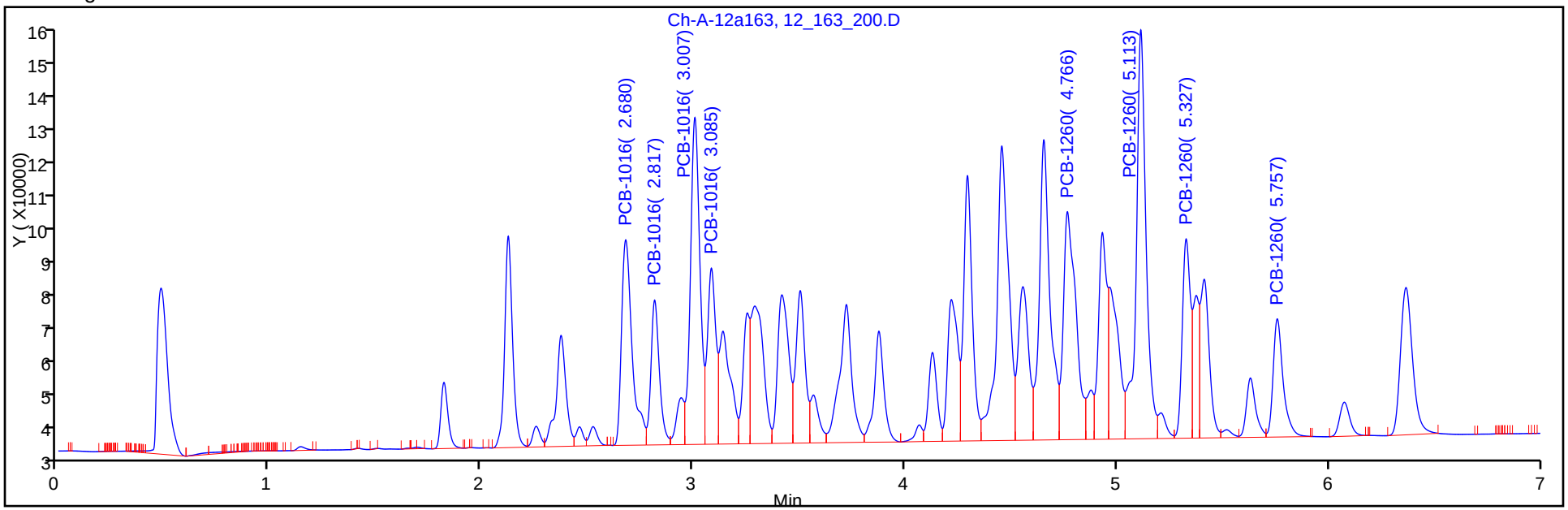
Det	Sig	RT	ADJ RT	DLT RT	Response	On-Col Amt ng/uL	Ratio Range	Ratio	Flags
E 12 DCB Decachlorobiphenyl									
1	1	6.365	6.373	-0.008	170202	0.0369			
2	2	5.761	5.769	-0.008	173462	0.0315			
						RPD = 15.59			

Report Date: 05-Apr-2012 18:43:12 Chrom Revision: 2.0 20-Feb-2012 13:27:02

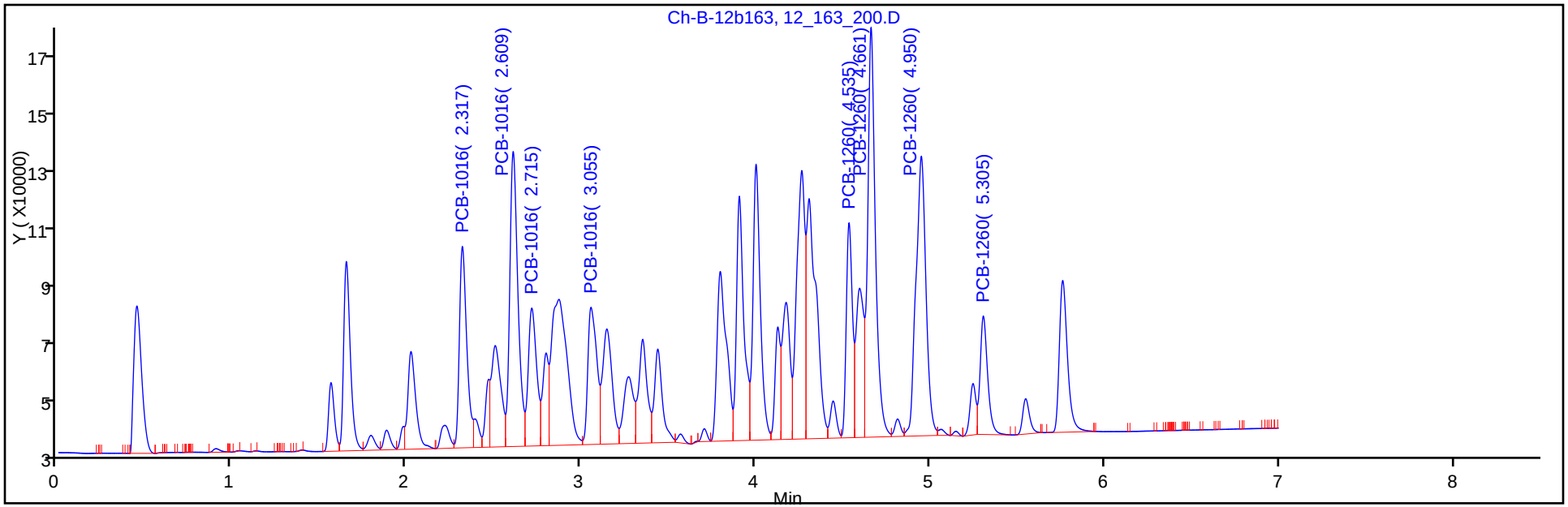
Data File: \\Bufchrom\ChromData\HP5890-12\20120405-10755.b\12_163_200.D

Injection Date:	05-Apr-2012 18:27:00	Limit Group:	GC - 8082 PCB ICAL
Client ID:		Instrument ID:	HP5890-12
Lims Batch ID:	58319	Lims Sample ID:	12
Operator ID:	tchrom	Injection Vol:	1.00 ul

Y Scaling:



Y Scaling:



FORM I
PCBS ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Buffalo Job No.: 480-18068-1

SDG No.:

Client Sample ID: RB-06 (12"-24") MS Lab Sample ID: 480-18068-12 MS

Matrix: Solid Lab File ID: 12_163_220.D

Analysis Method: 8082 Date Collected: 04/02/2012 16:35

Extraction Method: 3550B Date Extracted: 04/05/2012 09:40

Sample wt/vol: +2.65(g) Date Analyzed: 04/05/2012 23:22

Con. Extract Vol.: 10(mL) Dilution Factor: 1

Injection Volume: 1(uL) GC Column: ZB-5 ID: 0.53(mm)

% Moisture: 11.1 GPC Cleanup:(Y/N) N

Analysis Batch No.: 58319 Units: ug/Kg

CAS NO.	SURROGATE	%REC	Q	LIMITS
2051-24-3	DCB Decachlorobiphenyl	184	X	36-182
877-09-8	Tetrachloro-m-xylene	174	X	24-172

TestAmerica Laboratories
Target Compound Quantitation Report

Data File: \\Bufchrom\ChromData\HP5890-12\20120405-10755.b\12_163_220.D
Lims ID: 480-18068-A-12-A MS Client ID:
Inject. Date: 05-Apr-2012 23:22:14 Dil. Factor: 1.0000
Sample Type: MS
Sample ID: Name: 480-18068-A-12-A MS
Misc. Info.: Study: 480-0010755-032 Channel B: I/F Serial#, 9205571204
Operator: tchrom Instrument ID: HP5890-12
Vol. Injected: 1.0000 ALS Bottle#: 0
Lims Batch ID: 58319 Lims Sample ID: 32
Detector 1 : Ch-A-7A136
Detector 2 : Ch-B-7b136

Method: \\Bufchrom\ChromData\HP5890-12\20120405-10755.b\hp12_pcb.m
Last Update: 06-Apr-2012 08:56:23 Calib Date: 23-Oct-2011 18:50:30
Quant Method: External Standard Quant By: Initial Calibration
Last ICal File: \\Bufchrom\ChromData\HP5890-12\20111023-6917.b\12_143_187.D
Limit Group: GC - 8082 PCB ICAL
Integrator: Falcon
Process Host: CORP-CTX-19

First Level Reviewer: bescod Date: 06-Apr-2012 08:57:20

Det	Sig	RT	ADJ RT	DLT RT	Response	On-Col Amt ng/uL	Ratio Range	Ratio	Flags
$ 3 Tetrachloro-m-xylene									
1	1	2.125	2.125	0.000	153000	0.0348			
2	2	1.652	1.653	-0.001	169704	0.0305			
						RPD = 13.21			
6 PCB-1016									
1	1	2.683	2.683	0.000	172137	0.7546		100.0	
1	2	2.819	2.819	0.000	103757	0.8653	23.9- 83.9	60.3	
1	3	3.009	3.010	-0.001	276735	0.8346	125.0- 185.0	160.8	
1	4	3.088	3.087	0.001	126891	0.9487	35.0- 95.0	73.7	
			Average of Peak Amounts =			0.8508			
2	5	2.320	2.320	0.000	189461	0.6271		100.0	
2	6	2.610	2.613	-0.003	313788	0.6668	147.0- 207.0	165.6	
2	7	2.717	2.720	-0.003	143361	0.7084	46.8- 106.8	75.7	
2	8	3.061	3.059	0.002	160031	0.6599	60.1- 120.1	84.5	
			Average of Peak Amounts =			0.6656			
						RPD = 24.43			
9 PCB-1260									
1	1	4.772	4.769	0.003	254406	0.9344		100.0	
1	2	5.117	5.117	0.000	356431	0.8126	117.3- 177.3	140.1	
1	3	5.329	5.331	-0.002	148452	0.8386	33.5- 93.5	58.4	
1	4	5.765	5.763	0.002	106207	0.8557	9.6- 69.6	41.7	
			Average of Peak Amounts =			0.8603			
2	5	4.540	4.538	0.002	170600	0.6965		100.0	
2	6	4.665	4.665	0.000	404160	0.7210	199.7- 259.7	236.9	
2	7	4.953	4.954	-0.001	362697	0.6615	180.5- 240.5	212.6	
2	8	5.307	5.310	-0.003	115906	0.8270	34.9- 94.9	67.9	
			Average of Peak Amounts =			0.7265			
						RPD = 16.87			

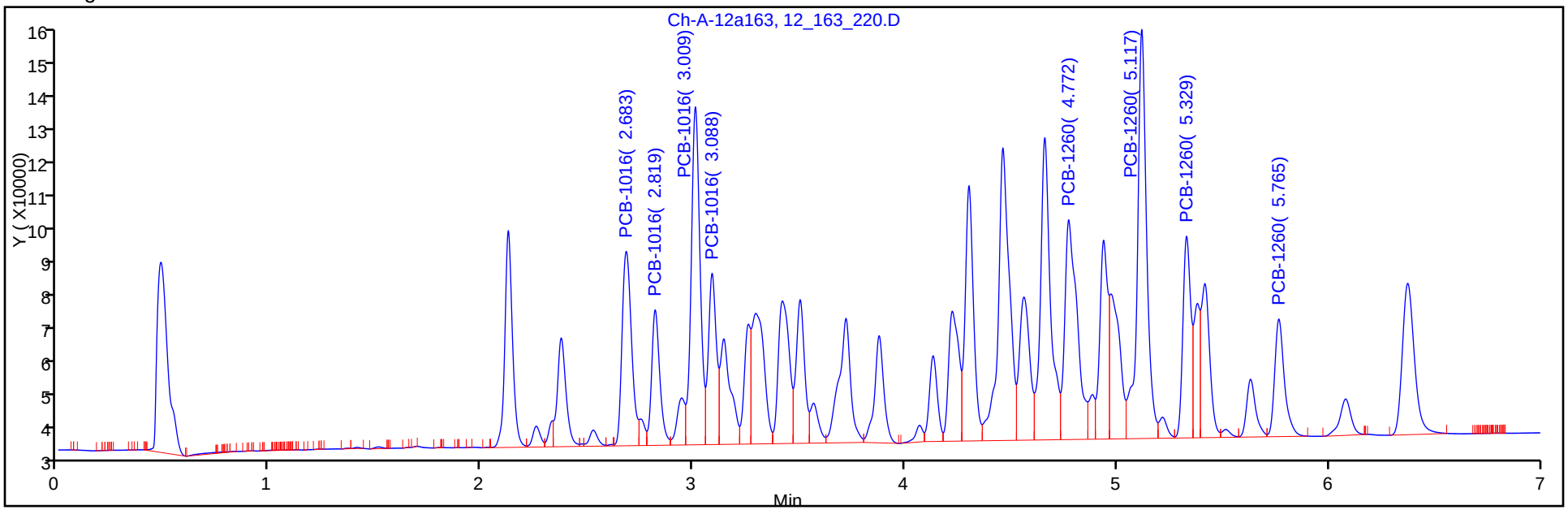
Det	Sig	RT	ADJ RT	DLT RT	Response	On-Col Amt ng/uL	Ratio Range	Ratio	Flags
E 12 DCB Decachlorobiphenyl									
1	1	6.373	6.372	0.001	169631	0.0367			
2	2	5.769	5.766	0.003	178946	0.0325			
						RPD = 12.16			

Report Date: 06-Apr-2012 08:57:20 Chrom Revision: 2.0 20-Feb-2012 13:27:02

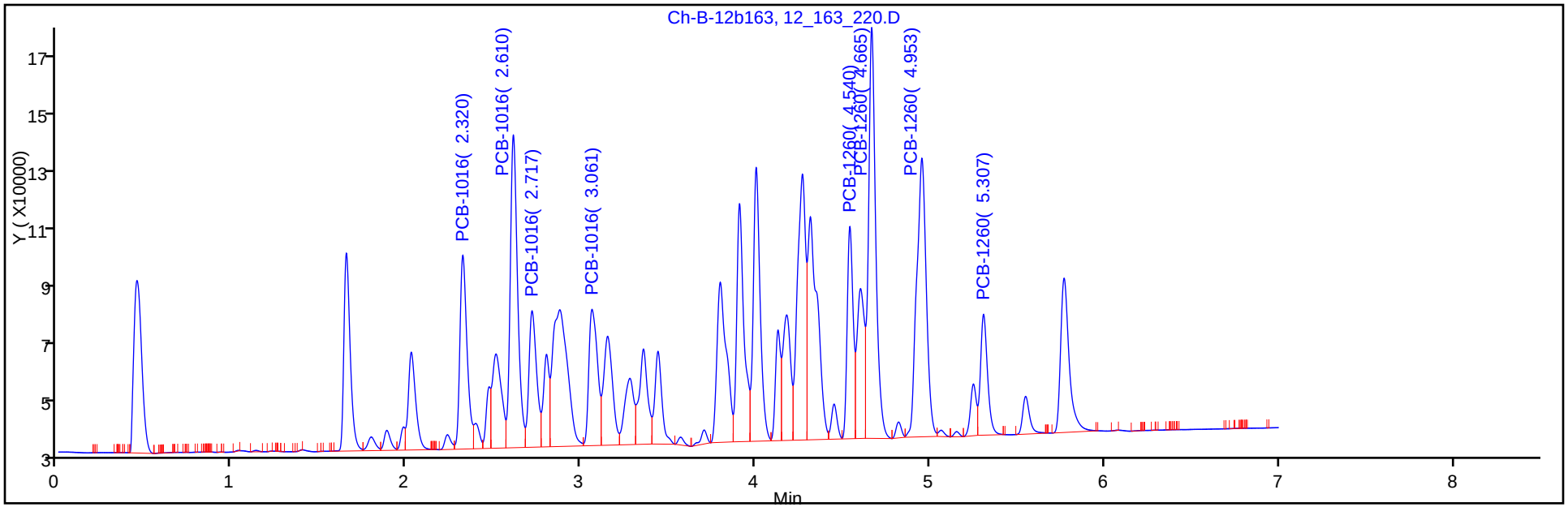
Data File: \\Bufchrom\ChromData\HP5890-12\20120405-10755.b\12_163_220.D

Injection Date:	05-Apr-2012 23:22:14	Limit Group:	GC - 8082 PCB ICAL
Client ID:		Instrument ID:	HP5890-12
Lims Batch ID:	58319	Lims Sample ID:	32
Operator ID:	tchrom	Injection Vol:	1.00 ul

Y Scaling:



Y Scaling:



FORM I
PCBS ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Buffalo | Job No.: 480-18068-1

SDG No.:

Client Sample ID: RB-06 (12"-24") MS | Lab Sample ID: 480-18068-12 MS

Matrix: Solid | Lab File ID: 12_163_220.D

Analysis Method: 8082 | Date Collected: 04/02/2012 16:35

Extraction Method: 3550B | Date Extracted: 04/05/2012 09:40

Sample wt/vol: +2.65(g) | Date Analyzed: 04/05/2012 23:22

Con. Extract Vol.: 10(mL) | Dilution Factor: 1

Injection Volume: 1(uL) | GC Column: ZB-35 ID: 0.53(mm)

% Moisture: 11.1 | GPC Cleanup:(Y/N) N

Analysis Batch No.: 58319 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
12674-11-2	PCB-1016	2830		210	42
11104-28-2	PCB-1221	ND		210	42
11141-16-5	PCB-1232	ND		210	42
53469-21-9	PCB-1242	ND		210	46
12672-29-6	PCB-1248	ND		210	42
11097-69-1	PCB-1254	ND		210	45
11096-82-5	PCB-1260	3080		210	99

CAS NO.	SURROGATE	%REC	Q	LIMITS
2051-24-3	DCB Decachlorobiphenyl	163		36-182
877-09-8	Tetrachloro-m-xylene	153		24-172

TestAmerica Laboratories
Target Compound Quantitation Report

Data File:	\\Bufchrom\ChromData\HP5890-12\20120405-10755.b\12_163_220.D		
Lims ID:	480-18068-A-12-A MS	Client ID:	
Inject. Date:	05-Apr-2012 23:22:14	Dil. Factor:	1.0000
Sample Type:	MS		
Sample ID:	Name: 480-18068-A-12-A MS		
Misc. Info.:	Study: 480-0010755-032 Channel B: I/F Serial#, 9205571204		
Operator:	tchrom	Instrument ID:	HP5890-12
Vol. Injected:	1.0000	ALS Bottle#:	0
Lims Batch ID:	58319	Lims Sample ID:	32
Detector 1 :	Ch-A-7A136		
Detector 2 :	Ch-B-7b136		
Method:	\\Bufchrom\ChromData\HP5890-12\20120405-10755.b\hp12_pcb.m		
Last Update:	06-Apr-2012 08:56:23	Calib Date:	23-Oct-2011 18:50:30
Quant Method:	External Standard	Quant By:	Initial Calibration
Last ICal File:	\\Bufchrom\ChromData\HP5890-12\20111023-6917.b\12_143_187.D		
Limit Group:	GC - 8082 PCB ICAL		
Integrator:	Falcon		
Process Host:	CORP-CTX-19		

First Level Reviewer: bescod Date: 06-Apr-2012 08:57:20

Det	Sig	RT	ADJ RT	DLT RT	Response	On-Col Amt ng/uL	Ratio Range	Ratio	Flags
$ 3 Tetrachloro-m-xylene									
1	1	2.125	2.125	0.000	153000	0.0348			
2	2	1.652	1.653	-0.001	169704	0.0305			
						RPD = 13.21			
6 PCB-1016									
1	1	2.683	2.683	0.000	172137	0.7546		100.0	
1	2	2.819	2.819	0.000	103757	0.8653	23.9- 83.9	60.3	
1	3	3.009	3.010	-0.001	276735	0.8346	125.0- 185.0	160.8	
1	4	3.088	3.087	0.001	126891	0.9487	35.0- 95.0	73.7	
			Average of Peak Amounts =			0.8508			
2	5	2.320	2.320	0.000	189461	0.6271		100.0	
2	6	2.610	2.613	-0.003	313788	0.6668	147.0- 207.0	165.6	
2	7	2.717	2.720	-0.003	143361	0.7084	46.8- 106.8	75.7	
2	8	3.061	3.059	0.002	160031	0.6599	60.1- 120.1	84.5	
			Average of Peak Amounts =			0.6656			
						RPD = 24.43			
9 PCB-1260									
1	1	4.772	4.769	0.003	254406	0.9344		100.0	
1	2	5.117	5.117	0.000	356431	0.8126	117.3- 177.3	140.1	
1	3	5.329	5.331	-0.002	148452	0.8386	33.5- 93.5	58.4	
1	4	5.765	5.763	0.002	106207	0.8557	9.6- 69.6	41.7	
			Average of Peak Amounts =			0.8603			
2	5	4.540	4.538	0.002	170600	0.6965		100.0	
2	6	4.665	4.665	0.000	404160	0.7210	199.7- 259.7	236.9	
2	7	4.953	4.954	-0.001	362697	0.6615	180.5- 240.5	212.6	
2	8	5.307	5.310	-0.003	115906	0.8270	34.9- 94.9	67.9	
			Average of Peak Amounts =			0.7265			
						RPD = 16.87			

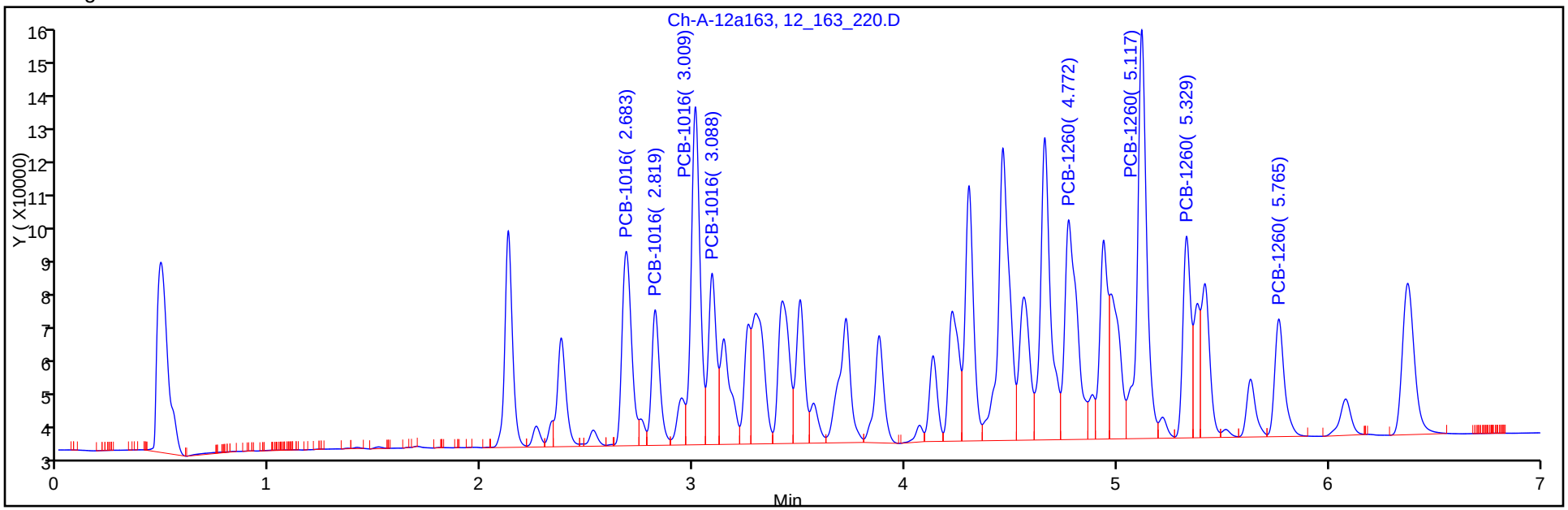
Det	Sig	RT	ADJ RT	DLT RT	Response	On-Col Amt ng/uL	Ratio Range	Ratio	Flags
E 12 DCB Decachlorobiphenyl									
1	1	6.373	6.372	0.001	169631	0.0367			
2	2	5.769	5.766	0.003	178946	0.0325			
						RPD = 12.16			

Report Date: 06-Apr-2012 08:57:20 Chrom Revision: 2.0 20-Feb-2012 13:27:02

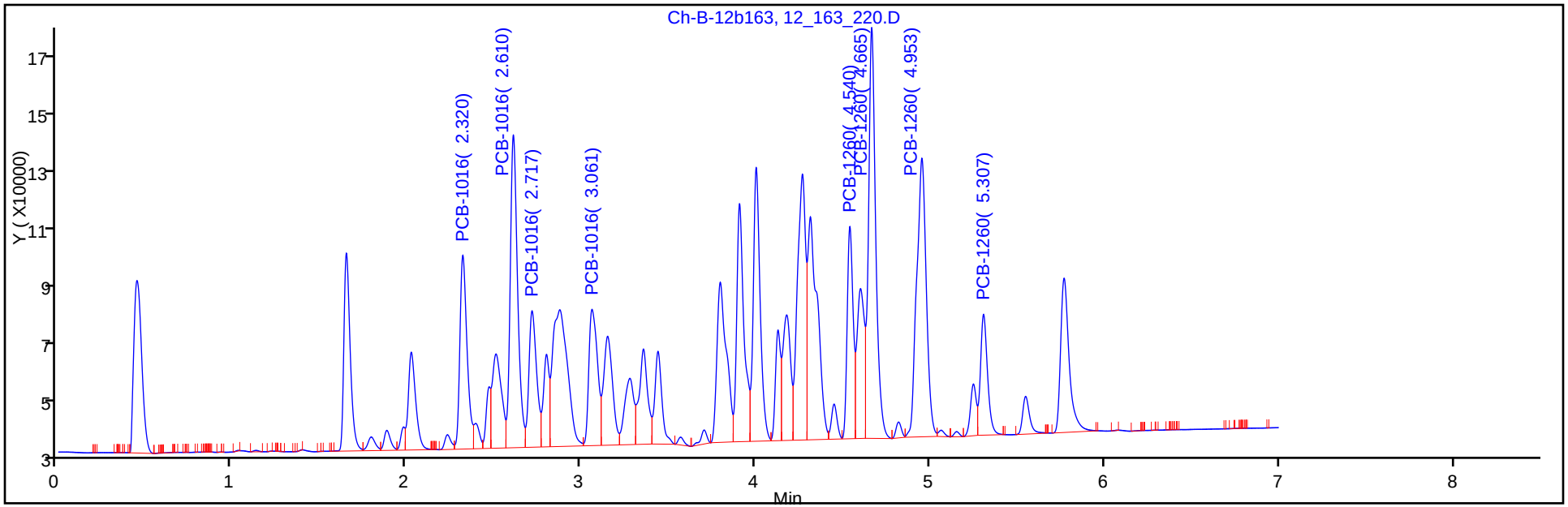
Data File: \\Bufchrom\ChromData\HP5890-12\20120405-10755.b\12_163_220.D

Injection Date:	05-Apr-2012 23:22:14	Limit Group:	GC - 8082 PCB ICAL
Client ID:		Instrument ID:	HP5890-12
Lims Batch ID:	58319	Lims Sample ID:	32
Operator ID:	tchrom	Injection Vol:	1.00 ul

Y Scaling:



Y Scaling:



FORM I
PCBS ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Buffalo Job No.: 480-18068-1

SDG No.:

Client Sample ID: RB-06 (12"-24") MSD Lab Sample ID: 480-18068-12 MSD

Matrix: Solid Lab File ID: 12_163_221.D

Analysis Method: 8082 Date Collected: 04/02/2012 16:35

Extraction Method: 3550B Date Extracted: 04/05/2012 09:40

Sample wt/vol: +2.62(g) Date Analyzed: 04/05/2012 23:36

Con. Extract Vol.: 10(mL) Dilution Factor: 1

Injection Volume: 1(uL) GC Column: ZB-5 ID: 0.53(mm)

% Moisture: 11.1 GPC Cleanup:(Y/N) N

Analysis Batch No.: 58319 Units: ug/Kg

CAS NO.	SURROGATE	%REC	Q	LIMITS
2051-24-3	DCB Decachlorobiphenyl	184	X	36-182
877-09-8	Tetrachloro-m-xylene	176	X	24-172

TestAmerica Laboratories
Target Compound Quantitation Report

Data File: \\Bufchrom\ChromData\HP5890-12\20120405-10755.b\12_163_221.D
Lims ID: 480-18068-A-12-B MSD Client ID:
Inject. Date: 05-Apr-2012 23:36:56 Dil. Factor: 1.0000
Sample Type: MSD
Sample ID: Name: 480-18068-A-12-B MSD
Misc. Info.: Study: 480-0010755-033 Channel B: I/F Serial#, 9205571204
Operator: tchrom Instrument ID: HP5890-12
Vol. Injected: 1.0000 ALS Bottle#: 0
Lims Batch ID: 58319 Lims Sample ID: 33
Detector 1 : Ch-A-7A136
Detector 2 : Ch-B-7b136

Method: \\Bufchrom\ChromData\HP5890-12\20120405-10755.b\hp12_pcb.m
Last Update: 06-Apr-2012 08:56:23 Calib Date: 23-Oct-2011 18:50:30
Quant Method: External Standard Quant By: Initial Calibration
Last ICal File: \\Bufchrom\ChromData\HP5890-12\20111023-6917.b\12_143_187.D
Limit Group: GC - 8082 PCB ICAL
Integrator: Falcon
Process Host: CORP-CTX-19

First Level Reviewer: bescod Date: 06-Apr-2012 08:57:39

Det	Sig	RT	ADJ RT	DLT RT	Response	On-Col Amt ng/uL	Ratio Range	Ratio	Flags
$ 3 Tetrachloro-m-xylene									
1	1	2.128	2.125	0.003	154548	0.0352			
2	2	1.656	1.653	0.003	170155	0.0306			
						RPD = 13.92			
6 PCB-1016									
1	1	2.684	2.683	0.001	177799	0.7794		100.0	
1	2	2.821	2.819	0.002	98472	0.8212	23.9- 83.9	55.4	
1	3	3.011	3.010	0.001	262742	0.7924	125.0- 185.0	147.8	
1	4	3.089	3.087	0.002	121056	0.9050	35.0- 95.0	68.1	
			Average of Peak Amounts =			0.8245			
2	5	2.322	2.320	0.002	180577	0.5977		100.0	
2	6	2.612	2.613	-0.001	297298	0.6317	147.0- 207.0	164.6	
2	7	2.719	2.720	-0.001	137222	0.6781	46.8- 106.8	76.0	
2	8	3.061	3.059	0.002	151619	0.6252	60.1- 120.1	84.0	
			Average of Peak Amounts =			0.6332			
						RPD = 26.25			
9 PCB-1260									
1	1	4.773	4.769	0.004	240361	0.8828		100.0	
1	2	5.119	5.117	0.002	336670	0.7676	117.3- 177.3	140.1	
1	3	5.331	5.331	0.000	140069	0.7912	33.5- 93.5	58.3	
1	4	5.763	5.763	0.000	98031	0.7899	9.6- 69.6	40.8	
			Average of Peak Amounts =			0.8079			
2	5	4.541	4.538	0.003	161223	0.6582		100.0	
2	6	4.666	4.665	0.001	378292	0.6749	199.7- 259.7	234.6	
2	7	4.954	4.954	0.000	339607	0.6194	180.5- 240.5	210.6	
2	8	5.309	5.310	-0.001	108183	0.7719	34.9- 94.9	67.1	
			Average of Peak Amounts =			0.6811			
						RPD = 17.03			

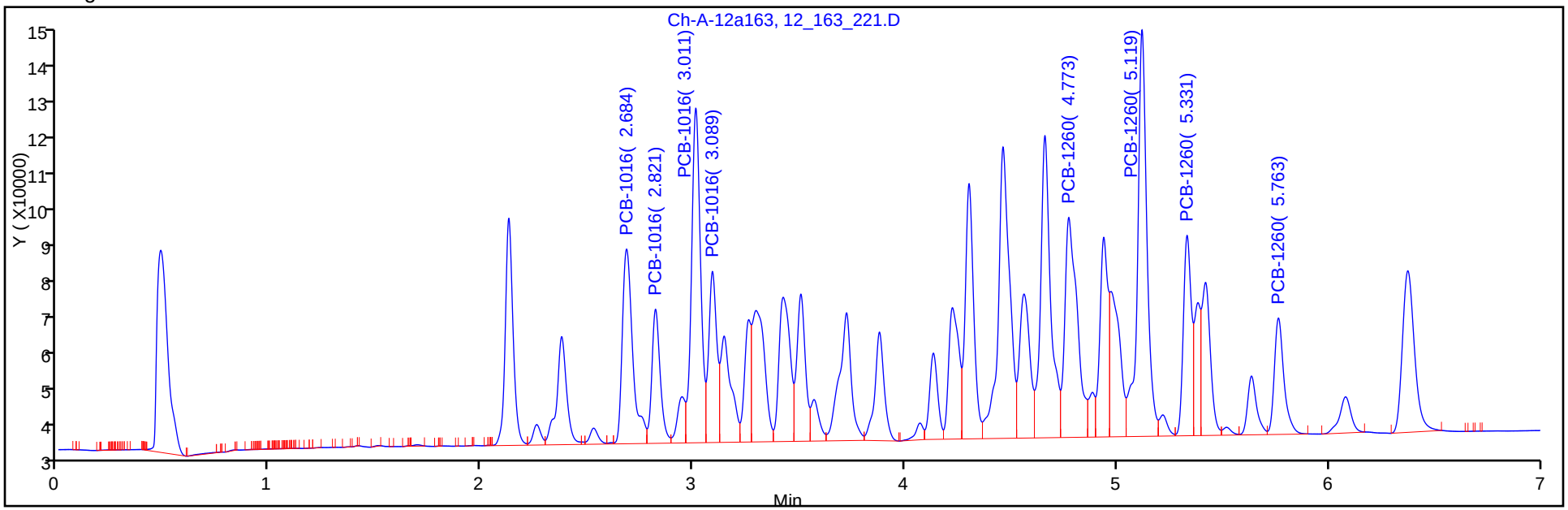
Det	Sig	RT	ADJ RT	DLT RT	Response	On-Col Amt ng/uL	Ratio Range	Ratio	Flags
E 12 DCB Decachlorobiphenyl									
1	1	6.374	6.372	0.002	169975	0.0368			
2	2	5.767	5.766	0.001	179574	0.0326			
						RPD = 12.01			

Report Date: 06-Apr-2012 08:57:39 Chrom Revision: 2.0 20-Feb-2012 13:27:02

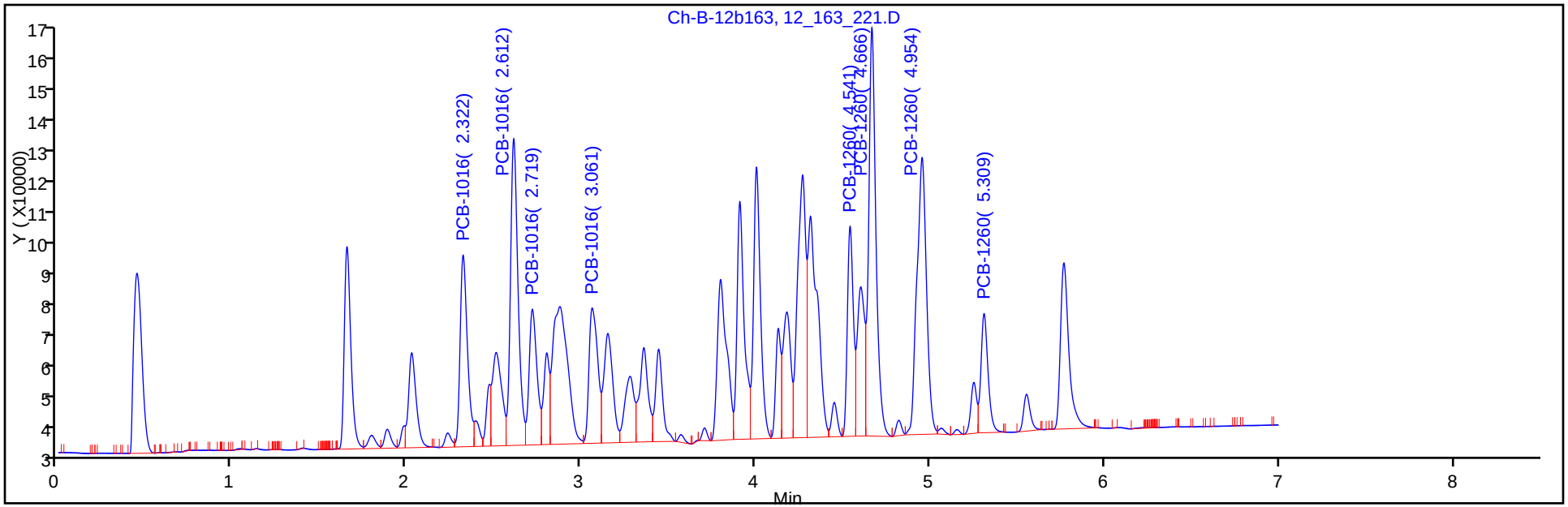
Data File: \\Bufchrom\ChromData\HP5890-12\20120405-10755.b\12_163_221.D

Injection Date:	05-Apr-2012 23:36:56	Limit Group:	GC - 8082 PCB ICAL
Client ID:		Instrument ID:	HP5890-12
Lims Batch ID:	58319	Lims Sample ID:	33
Operator ID:	tchrom	Injection Vol:	1.00 ul

Y Scaling:



Y Scaling:



FORM I
PCBS ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Buffalo | Job No.: 480-18068-1

SDG No.:

Client Sample ID: RB-06 (12"-24") MSD | Lab Sample ID: 480-18068-12 MSD

Matrix: Solid | Lab File ID: 12_163_221.D

Analysis Method: 8082 | Date Collected: 04/02/2012 16:35

Extraction Method: 3550B | Date Extracted: 04/05/2012 09:40

Sample wt/vol: +2.62(g) | Date Analyzed: 04/05/2012 23:36

Con. Extract Vol.: 10(mL) | Dilution Factor: 1

Injection Volume: 1(uL) | GC Column: ZB-35 ID: 0.53(mm)

% Moisture: 11.1 | GPC Cleanup:(Y/N) N

Analysis Batch No.: 58319 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
12674-11-2	PCB-1016	2720		210	42
11104-28-2	PCB-1221	ND		210	42
11141-16-5	PCB-1232	ND		210	42
53469-21-9	PCB-1242	ND		210	47
12672-29-6	PCB-1248	ND		210	42
11097-69-1	PCB-1254	ND		210	45
11096-82-5	PCB-1260	2920		210	100

CAS NO.	SURROGATE	%REC	Q	LIMITS
2051-24-3	DCB Decachlorobiphenyl	163		36-182
877-09-8	Tetrachloro-m-xylene	153		24-172

TestAmerica Laboratories
Target Compound Quantitation Report

Data File: \\Bufchrom\ChromData\HP5890-12\20120405-10755.b\12_163_221.D
Lims ID: 480-18068-A-12-B MSD Client ID:
Inject. Date: 05-Apr-2012 23:36:56 Dil. Factor: 1.0000
Sample Type: MSD
Sample ID: Name: 480-18068-A-12-B MSD
Misc. Info.: Study: 480-0010755-033 Channel B: I/F Serial#, 9205571204
Operator: tchrom Instrument ID: HP5890-12
Vol. Injected: 1.0000 ALS Bottle#: 0
Lims Batch ID: 58319 Lims Sample ID: 33
Detector 1 : Ch-A-7A136
Detector 2 : Ch-B-7b136

Method: \\Bufchrom\ChromData\HP5890-12\20120405-10755.b\hp12_pcb.m
Last Update: 06-Apr-2012 08:56:23 Calib Date: 23-Oct-2011 18:50:30
Quant Method: External Standard Quant By: Initial Calibration
Last ICal File: \\Bufchrom\ChromData\HP5890-12\20111023-6917.b\12_143_187.D
Limit Group: GC - 8082 PCB ICAL
Integrator: Falcon
Process Host: CORP-CTX-19

First Level Reviewer: bescod Date: 06-Apr-2012 08:57:39

Det	Sig	RT	ADJ RT	DLT RT	Response	On-Col Amt ng/uL	Ratio Range	Ratio	Flags
$ 3 Tetrachloro-m-xylene									
1	1	2.128	2.125	0.003	154548	0.0352			
2	2	1.656	1.653	0.003	170155	0.0306			
						RPD = 13.92			
6 PCB-1016									
1	1	2.684	2.683	0.001	177799	0.7794		100.0	
1	2	2.821	2.819	0.002	98472	0.8212	23.9- 83.9	55.4	
1	3	3.011	3.010	0.001	262742	0.7924	125.0- 185.0	147.8	
1	4	3.089	3.087	0.002	121056	0.9050	35.0- 95.0	68.1	
			Average of Peak Amounts =			0.8245			
2	5	2.322	2.320	0.002	180577	0.5977		100.0	
2	6	2.612	2.613	-0.001	297298	0.6317	147.0- 207.0	164.6	
2	7	2.719	2.720	-0.001	137222	0.6781	46.8- 106.8	76.0	
2	8	3.061	3.059	0.002	151619	0.6252	60.1- 120.1	84.0	
			Average of Peak Amounts =			0.6332			
						RPD = 26.25			
9 PCB-1260									
1	1	4.773	4.769	0.004	240361	0.8828		100.0	
1	2	5.119	5.117	0.002	336670	0.7676	117.3- 177.3	140.1	
1	3	5.331	5.331	0.000	140069	0.7912	33.5- 93.5	58.3	
1	4	5.763	5.763	0.000	98031	0.7899	9.6- 69.6	40.8	
			Average of Peak Amounts =			0.8079			
2	5	4.541	4.538	0.003	161223	0.6582		100.0	
2	6	4.666	4.665	0.001	378292	0.6749	199.7- 259.7	234.6	
2	7	4.954	4.954	0.000	339607	0.6194	180.5- 240.5	210.6	
2	8	5.309	5.310	-0.001	108183	0.7719	34.9- 94.9	67.1	
			Average of Peak Amounts =			0.6811			
						RPD = 17.03			

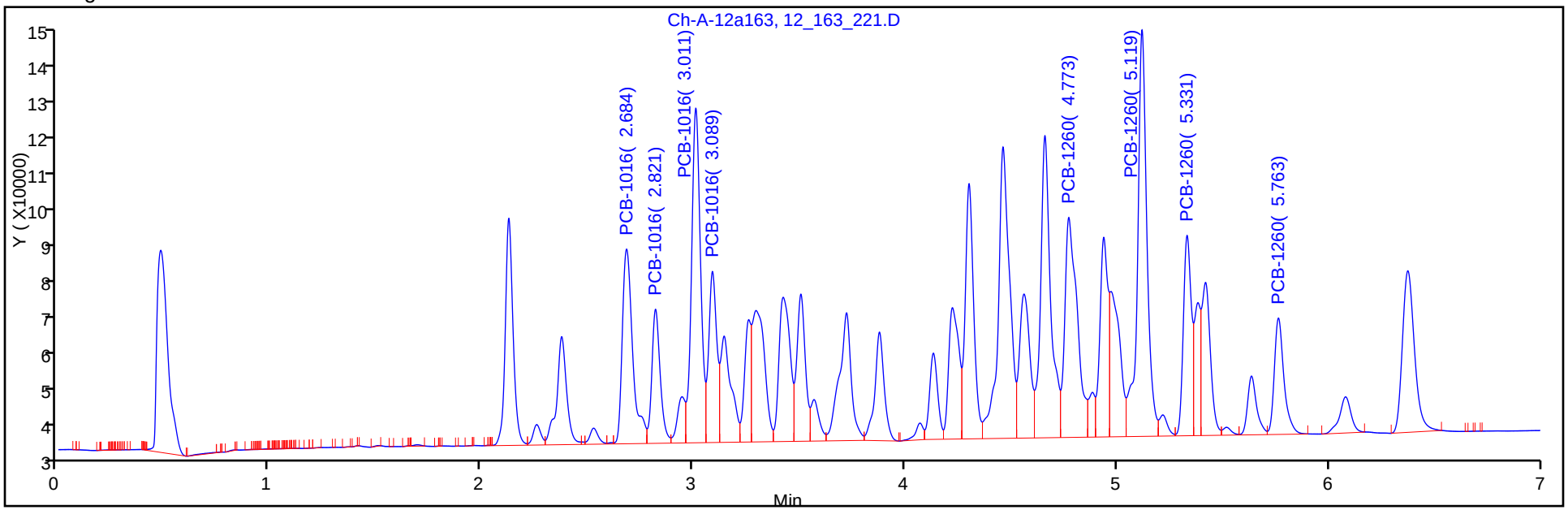
Det	Sig	RT	ADJ RT	DLT RT	Response	On-Col Amt ng/uL	Ratio Range	Ratio	Flags
E 12 DCB Decachlorobiphenyl									
1	1	6.374	6.372	0.002	169975	0.0368			
2	2	5.767	5.766	0.001	179574	0.0326			
						RPD = 12.01			

Report Date: 06-Apr-2012 08:57:39 Chrom Revision: 2.0 20-Feb-2012 13:27:02

Data File: \\Bufchrom\ChromData\HP5890-12\20120405-10755.b\12_163_221.D

Injection Date:	05-Apr-2012 23:36:56	Limit Group:	GC - 8082 PCB ICAL
Client ID:		Instrument ID:	HP5890-12
Lims Batch ID:	58319	Lims Sample ID:	33
Operator ID:	tchrom	Injection Vol:	1.00 ul

Y Scaling:



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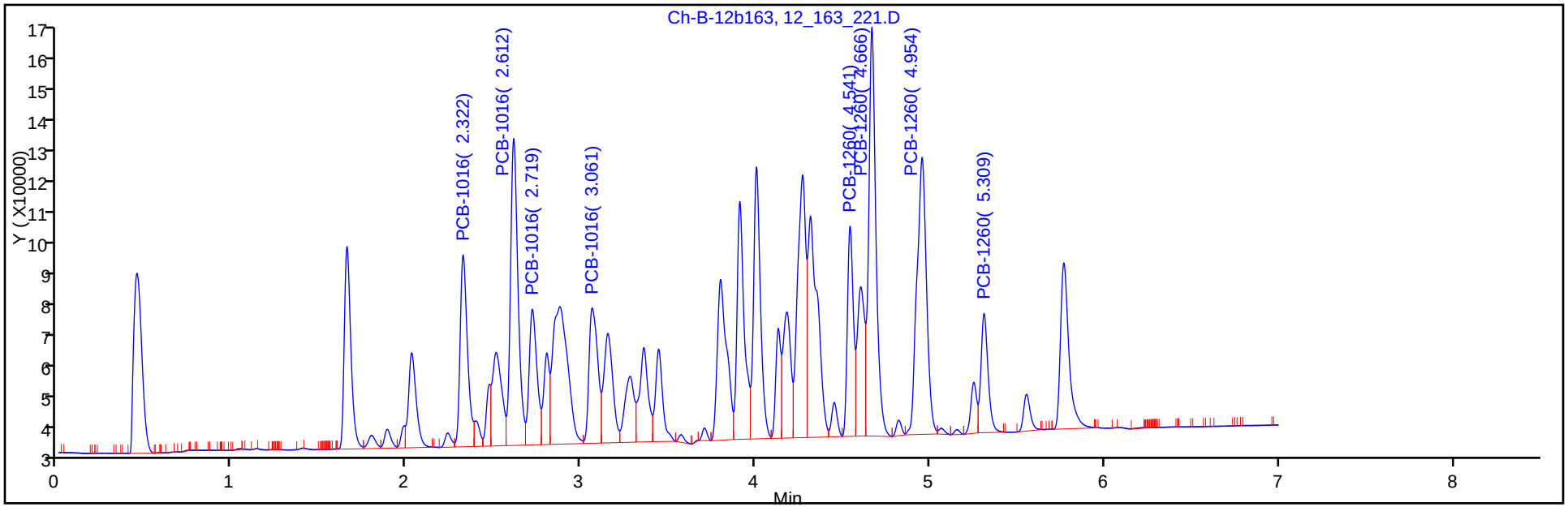


PCBS ANALYSIS RUN LOG

Lab Name: TestAmerica Buffalo Job No.: 480-18068-1

SDG No.:

Instrument ID: HP5890-12 Start Date: 10/23/2011 13:54

Analysis Batch Number: 36827 End Date: 10/23/2011 19:05

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
STD0025 480-36827/11 IC		10/23/2011 13:54	1	12_143_167.D	ZB-5 0.53(mm)
STD0025 480-36827/11 IC		10/23/2011 13:54	1	12_143_167.D	ZB-35 0.53(mm)
STD005 480-36827/12 IC		10/23/2011 14:09	1	12_143_168.D	ZB-5 0.53(mm)
STD005 480-36827/12 IC		10/23/2011 14:09	1	12_143_168.D	ZB-35 0.53(mm)
STD01 480-36827/13 IC		10/23/2011 14:24	1	12_143_169.D	ZB-5 0.53(mm)
STD01 480-36827/13 IC		10/23/2011 14:24	1	12_143_169.D	ZB-35 0.53(mm)
STD025 480-36827/14 IC		10/23/2011 14:38	1	12_143_170.D	ZB-5 0.53(mm)
STD025 480-36827/14 IC		10/23/2011 14:38	1	12_143_170.D	ZB-35 0.53(mm)
STD05 480-36827/15 IC		10/23/2011 14:53	1	12_143_171.D	ZB-5 0.53(mm)
STD05 480-36827/15 IC		10/23/2011 14:53	1	12_143_171.D	ZB-35 0.53(mm)
STD1 480-36827/16 IC		10/23/2011 15:08	1	12_143_172.D	ZB-5 0.53(mm)
STD1 480-36827/16 IC		10/23/2011 15:08	1	12_143_172.D	ZB-35 0.53(mm)
STD2 480-36827/17 IC		10/23/2011 15:23	1	12_143_173.D	ZB-5 0.53(mm)
STD2 480-36827/17 IC		10/23/2011 15:23	1	12_143_173.D	ZB-35 0.53(mm)
ICV 480-36827/18		10/23/2011 15:37	1		ZB-5 0.53(mm)
ICV 480-36827/18		10/23/2011 15:37	1		ZB-35 0.53(mm)
STD1221 480-36827/19 IC		10/23/2011 15:52	1	12_143_175.D	ZB-5 0.53(mm)
STD1221 480-36827/19 IC		10/23/2011 15:52	1	12_143_175.D	ZB-35 0.53(mm)
ICV 480-36827/20		10/23/2011 16:07	1		ZB-5 0.53(mm)
ICV 480-36827/20		10/23/2011 16:07	1		ZB-35 0.53(mm)
STD1232 480-36827/21 IC		10/23/2011 16:22	1	12_143_177.D	ZB-5 0.53(mm)
STD1232 480-36827/21 IC		10/23/2011 16:22	1	12_143_177.D	ZB-35 0.53(mm)
ICV 480-36827/22		10/23/2011 16:36	1		ZB-5 0.53(mm)
ICV 480-36827/22		10/23/2011 16:36	1		ZB-35 0.53(mm)
STD1242 480-36827/23 IC		10/23/2011 16:51	1	12_143_179.D	ZB-5 0.53(mm)
STD1242 480-36827/23 IC		10/23/2011 16:51	1	12_143_179.D	ZB-35 0.53(mm)
ICV 480-36827/24		10/23/2011 17:06	1		ZB-5 0.53(mm)
ICV 480-36827/24		10/23/2011 17:06	1		ZB-35 0.53(mm)
STD1248 480-36827/25 IC		10/23/2011 17:21	1	12_143_181.D	ZB-5 0.53(mm)
STD1248 480-36827/25 IC		10/23/2011 17:21	1	12_143_181.D	ZB-35 0.53(mm)
ICV 480-36827/26		10/23/2011 17:36	1		ZB-5 0.53(mm)
ICV 480-36827/26		10/23/2011 17:36	1		ZB-35 0.53(mm)
STD1254 480-36827/27 IC		10/23/2011 17:51	1	12_143_183.D	ZB-5 0.53(mm)
STD1254 480-36827/27 IC		10/23/2011 17:51	1	12_143_183.D	ZB-35 0.53(mm)
ICV 480-36827/28		10/23/2011 18:05	1		ZB-5 0.53(mm)
ICV 480-36827/28		10/23/2011 18:05	1		ZB-35 0.53(mm)

8082

PCBS ANALYSIS RUN LOG

Lab Name: TestAmerica Buffalo Job No.: 480-18068-1

SDG No.:

Instrument ID: HP5890-12 Start Date: 10/23/2011 13:54

Analysis Batch Number: 36827 End Date: 10/23/2011 19:05

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
STD1262 480-36827/29 IC		10/23/2011 18:20	1		ZB-5 0.53(mm)
STD1262 480-36827/29 IC		10/23/2011 18:20	1		ZB-35 0.53(mm)
ICV 480-36827/30		10/23/2011 18:35	1		ZB-5 0.53(mm)
ICV 480-36827/30		10/23/2011 18:35	1		ZB-35 0.53(mm)
STD1268 480-36827/31 IC		10/23/2011 18:50	1		ZB-5 0.53(mm)
STD1268 480-36827/31 IC		10/23/2011 18:50	1		ZB-35 0.53(mm)
ICV 480-36827/32		10/23/2011 19:05	1		ZB-5 0.53(mm)
ICV 480-36827/32		10/23/2011 19:05	1		ZB-35 0.53(mm)

PCBS ANALYSIS RUN LOG

Lab Name: TestAmerica Buffalo Job No.: 480-18068-1

SDG No.:

Instrument ID: HP5890-12 Start Date: 04/05/2012 13:03

Analysis Batch Number: 58319 End Date: 04/05/2012 23:51

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
CCV 480-58319/2		04/05/2012 13:03	1		ZB-5 0.53(mm)
CCV 480-58319/2		04/05/2012 13:03	1		ZB-35 0.53(mm)
ZZZZZ		04/05/2012 16:28	1		ZB-5 0.53(mm)
ZZZZZ		04/05/2012 16:28	1		ZB-35 0.53(mm)
ZZZZZ		04/05/2012 16:43	1		ZB-5 0.53(mm)
ZZZZZ		04/05/2012 16:43	1		ZB-35 0.53(mm)
ZZZZZ		04/05/2012 16:58	1		ZB-5 0.53(mm)
ZZZZZ		04/05/2012 16:58	1		ZB-35 0.53(mm)
ZZZZZ		04/05/2012 17:12	1		ZB-5 0.53(mm)
ZZZZZ		04/05/2012 17:12	1		ZB-35 0.53(mm)
ZZZZZ		04/05/2012 17:27	1		ZB-5 0.53(mm)
ZZZZZ		04/05/2012 17:27	1		ZB-35 0.53(mm)
CCV 480-58319/9		04/05/2012 17:42	1	12_163_197.D	ZB-5 0.53(mm)
CCV 480-58319/9		04/05/2012 17:42	1	12_163_197.D	ZB-35 0.53(mm)
MB 480-58267/1-A		04/05/2012 18:12	1	12_163_199.D	ZB-5 0.53(mm)
MB 480-58267/1-A		04/05/2012 18:12	1	12_163_199.D	ZB-35 0.53(mm)
LCS 480-58267/2-A		04/05/2012 18:27	1	12_163_200.D	ZB-5 0.53(mm)
LCS 480-58267/2-A		04/05/2012 18:27	1	12_163_200.D	ZB-35 0.53(mm)
ZZZZZ		04/05/2012 18:41	1		ZB-5 0.53(mm)
ZZZZZ		04/05/2012 18:41	1		ZB-35 0.53(mm)
ZZZZZ		04/05/2012 18:56	1		ZB-5 0.53(mm)
ZZZZZ		04/05/2012 18:56	1		ZB-35 0.53(mm)
ZZZZZ		04/05/2012 19:11	1		ZB-5 0.53(mm)
ZZZZZ		04/05/2012 19:11	1		ZB-35 0.53(mm)
CCV 480-58319/16		04/05/2012 19:26	1	12_163_204.D	ZB-5 0.53(mm)
CCV 480-58319/16		04/05/2012 19:26	1	12_163_204.D	ZB-35 0.53(mm)
480-18068-1	RB-03 (0-6")	04/05/2012 19:55	1	12_163_206.D	ZB-5 0.53(mm)
480-18068-1	RB-03 (0-6")	04/05/2012 19:55	1	12_163_206.D	ZB-35 0.53(mm)
480-18068-2	RB-03 (6"-12")	04/05/2012 20:10	1	12_163_207.D	ZB-5 0.53(mm)
480-18068-2	RB-03 (6"-12")	04/05/2012 20:10	1	12_163_207.D	ZB-35 0.53(mm)
480-18068-3	RB-03 (12"-24")	04/05/2012 20:25	1	12_163_208.D	ZB-5 0.53(mm)
480-18068-3	RB-03 (12"-24")	04/05/2012 20:25	1	12_163_208.D	ZB-35 0.53(mm)
480-18068-4	RB-04 (0-6")	04/05/2012 20:39	1	12_163_209.D	ZB-5 0.53(mm)
480-18068-4	RB-04 (0-6")	04/05/2012 20:39	1	12_163_209.D	ZB-35 0.53(mm)
480-18068-5	RB-04 (6"-12"	04/05/2012 20:54	1	12_163_210.D	ZB-5 0.53(mm)
480-18068-5	RB-04 (6"-12"	04/05/2012 20:54	1	12_163_210.D	ZB-35 0.53(mm)
480-18068-6	RB-04 (12"-24")	04/05/2012 21:09	1	12_163_211.D	ZB-5 0.53(mm)
480-18068-6	RB-04 (12"-24")	04/05/2012 21:09	1	12_163_211.D	ZB-35 0.53(mm)
480-18068-7	RB-05 (0-6")	04/05/2012 21:24	1	12_163_212.D	ZB-5 0.53(mm)
480-18068-7	RB-05 (0-6")	04/05/2012 21:24	1	12_163_212.D	ZB-35 0.53(mm)
480-18068-8	RB-05 (6"-12"	04/05/2012 21:38	1	12_163_213.D	ZB-5 0.53(mm)
480-18068-8	RB-05 (6"-12"	04/05/2012 21:38	1	12_163_213.D	ZB-35 0.53(mm)
480-18068-9	RB-05 (12"-24")	04/05/2012 21:53	1	12_163_214.D	ZB-5 0.53(mm)
480-18068-9	RB-05 (12"-24")	04/05/2012 21:53	1	12_163_214.D	ZB-35 0.53(mm)
480-18068-10	RB-06 (0-6")	04/05/2012 22:08	1	12_163_215.D	ZB-5 0.53(mm)

8082

PCBS ANALYSIS RUN LOG

Lab Name: TestAmerica Buffalo Job No.: 480-18068-1

SDG No.:

Instrument ID: HP5890-12 Start Date: 04/05/2012 13:03

Analysis Batch Number: 58319 End Date: 04/05/2012 23:51

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
480-18068-10	RB-06 (0-6")	04/05/2012 22:08	1	12_163_215.D	ZB-35 0.53(mm)
CCV 480-58319/28		04/05/2012 22:23	1	12_163_216.D	ZB-5 0.53(mm)
CCV 480-58319/28		04/05/2012 22:23	1	12_163_216.D	ZB-35 0.53(mm)
480-18068-11	RB-06 (6"-12"	04/05/2012 22:52	1	12_163_218.D	ZB-5 0.53(mm)
480-18068-11	RB-06 (6"-12"	04/05/2012 22:52	1	12_163_218.D	ZB-35 0.53(mm)
480-18068-12	RB-06 (12"-24")	04/05/2012 23:07	1	12_163_219.D	ZB-5 0.53(mm)
480-18068-12	RB-06 (12"-24")	04/05/2012 23:07	1	12_163_219.D	ZB-35 0.53(mm)
480-18068-12 MS	RB-06 (12"-24") MS	04/05/2012 23:22	1	12_163_220.D	ZB-5 0.53(mm)
480-18068-12 MS	RB-06 (12"-24") MS	04/05/2012 23:22	1	12_163_220.D	ZB-35 0.53(mm)
480-18068-12 MSD	RB-06 (12"-24") MSD	04/05/2012 23:36	1	12_163_221.D	ZB-5 0.53(mm)
480-18068-12 MSD	RB-06 (12"-24") MSD	04/05/2012 23:36	1	12_163_221.D	ZB-35 0.53(mm)
CCV 480-58319/34		04/05/2012 23:51	1	12_163_222.D	ZB-5 0.53(mm)
CCV 480-58319/34		04/05/2012 23:51	1	12_163_222.D	ZB-35 0.53(mm)

PCBS BATCH WORKSHEET

Lab Name: TestAmerica Buffalo Job No.: 480-18068-1

SDG No.:

Batch Number: 58267 Batch Start Date: 04/05/12 09:38 Batch Analyst: Boyd, Matthew R

Batch Method: 3550B Batch End Date:

Lab Sample ID	Client Sample ID	Method Chain	Basis	InitialAmount	FinalAmount	O_8081/82surr 00020	O_8082spike 00006		
MB 480-58267/1		3550B, 8082		+2.44 g	10 mL	1 mL			
LCS 480-58267/2		3550B, 8082		+2.11 g	10 mL	1 mL	1 mL		
480-18068-A-12 MS	RB-06 (12"-24")	3550B, 8082	T	+2.65 g	10 mL	1 mL	1 mL		
480-18068-A-12 MSD	RB-06 (12"-24")	3550B, 8082	T	+2.62 g	10 mL	1 mL	1 mL		
480-18068-B-1	RB-03 (0-6")	3550B, 8082	T	+2.28 g	10 mL	1 mL			
480-18068-A-2	RB-03 (6"-12")	3550B, 8082	T	+2.21 g	10 mL	1 mL			
480-18068-C-3	RB-03 (12"-24")	3550B, 8082	T	+2.29 g	10 mL	1 mL			
480-18068-C-4	RB-04 (0-6")	3550B, 8082	T	+2.25 g	10 mL	1 mL			
480-18068-A-5	RB-04 (6"-12"	3550B, 8082	T	+2.27 g	10 mL	1 mL			
480-18068-B-6	RB-04 (12"-24")	3550B, 8082	T	+2.73 g	10 mL	1 mL			
480-18068-B-7	RB-05 (0-6")	3550B, 8082	T	+2.28 g	10 mL	1 mL			
480-18068-B-8	RB-05 (6"-12"	3550B, 8082	T	+2.64 g	10 mL	1 mL			
480-18068-C-9	RB-05 (12"-24")	3550B, 8082	T	+2.29 g	10 mL	1 mL			
480-18068-B-10	RB-06 (0-6")	3550B, 8082	T	+2.81 g	10 mL	1 mL			
480-18068-B-11	RB-06 (6"-12"	3550B, 8082	T	+2.82 g	10 mL	1 mL			
480-18068-A-12	RB-06 (12"-24")	3550B, 8082	T	+2.60 g	10 mL	1 mL			

Batch Notes	
Acid used for Clean Up Reagent	Sulfuric Acid: K43058 4/5/12 MRB
Balance ID	40029
Na2SO4 Lot Number	2782003
Prep Solvent Lot #	K40E09
Prep Solvent Name	Hexane
Prep Solvent Volume Used	10 mL
Person's name who did the prep	MRB
Person's name who witnessed reagent drop	MRB

Basis	Basis Description
T	Total/NA

METALS

COVER PAGE
METALS

Lab Name: TestAmerica Buffalo Job Number: 480-18068-1

SDG No.:

Project: ALCO-Maxon Site

Client Sample ID	Lab Sample ID
RB-03 (0-6")	480-18068-1
RB-03 (6"-12")	480-18068-2
RB-03 (12"-24")	480-18068-3
RB-04 (0-6")	480-18068-4
RB-04 (6"-12"	480-18068-5
RB-04 (12"-24")	480-18068-6
RB-05 (0-6")	480-18068-7
RB-05 (6"-12"	480-18068-8
RB-05 (12"-24")	480-18068-9
RB-06 (0-6")	480-18068-10
RB-06 (6"-12"	480-18068-11
RB-06 (12"-24")	480-18068-12

Comments:

1A-IN
INORGANIC ANALYSIS DATA SHEET
METALS

Client Sample ID: RB-03 (0-6") Lab Sample ID: 480-18068-1

Lab Name: TestAmerica Buffalo Job No.: 480-18068-1

SDG ID.:

Matrix: Solid Date Sampled: 04/02/2012 11:15

Reporting Basis: DRY Date Received: 04/04/2012 09:00

% Solids: 75.5

CAS No.	Analyte	Result	RL	MDL	Units	C	Q	DIL	Method
7429-90-5	Aluminum	8280	13.9	6.1	mg/Kg			1	6010B
7440-36-0	Antimony	ND	20.8	0.75	mg/Kg			1	6010B
7440-38-2	Arsenic	6.0	2.8	0.55	mg/Kg			1	6010B
7440-39-3	Barium	78.8	0.69	0.15	mg/Kg			1	6010B
7440-41-7	Beryllium	0.52	0.28	0.039	mg/Kg			1	6010B
7440-43-9	Cadmium	0.31	0.28	0.042	mg/Kg			1	6010B
7440-70-2	Calcium	18800	69.3	4.6	mg/Kg		B	1	6010B
7440-47-3	Chromium	14.6	0.69	0.28	mg/Kg			1	6010B
7440-48-4	Cobalt	8.9	0.69	0.069	mg/Kg			1	6010B
7440-50-8	Copper	23.3	1.4	0.29	mg/Kg			1	6010B
7439-89-6	Iron	19700	13.9	1.5	mg/Kg		B	1	6010B
7439-92-1	Lead	18.5	1.4	0.33	mg/Kg			1	6010B
7439-95-4	Magnesium	6220	27.7	1.3	mg/Kg			1	6010B
7439-96-5	Manganese	632	0.28	0.044	mg/Kg		B	1	6010B
7440-02-0	Nickel	21.2	6.9	0.32	mg/Kg			1	6010B
7440-09-7	Potassium	1110	41.6	27.7	mg/Kg			1	6010B
7782-49-2	Selenium	ND	5.5	0.79	mg/Kg			1	6010B
7440-22-4	Silver	ND	0.69	0.28	mg/Kg			1	6010B
7440-23-5	Sodium	85.0	194	18.0	mg/Kg	J	B	1	6010B
7440-28-0	Thallium	ND	8.3	0.42	mg/Kg			1	6010B
7440-62-2	Vanadium	17.6	0.69	0.15	mg/Kg			1	6010B
7440-66-6	Zinc	62.9	2.8	0.21	mg/Kg			1	6010B
7439-97-6	Hg	0.049	0.026	0.011	mg/Kg			1	7471A

1A-IN
INORGANIC ANALYSIS DATA SHEET
METALS

Client Sample ID: RB-03 (6"-12") Lab Sample ID: 480-18068-2

Lab Name: TestAmerica Buffalo Job No.: 480-18068-1

SDG ID.:

Matrix: Solid Date Sampled: 04/02/2012 12:20

Reporting Basis: DRY Date Received: 04/04/2012 09:00

% Solids: 81.8

CAS No.	Analyte	Result	RL	MDL	Units	C	Q	DIL	Method
7429-90-5	Aluminum	6810	12.4	5.5	mg/Kg			1	6010B
7440-36-0	Antimony	ND	18.7	0.67	mg/Kg			1	6010B
7440-38-2	Arsenic	7.1	2.5	0.50	mg/Kg			1	6010B
7440-39-3	Barium	93.1	0.62	0.14	mg/Kg			1	6010B
7440-41-7	Beryllium	0.45	0.25	0.035	mg/Kg			1	6010B
7440-43-9	Cadmium	0.47	0.25	0.037	mg/Kg			1	6010B
7440-70-2	Calcium	18200	62.2	4.1	mg/Kg		B	1	6010B
7440-47-3	Chromium	17.6	0.62	0.25	mg/Kg			1	6010B
7440-48-4	Cobalt	7.1	0.62	0.062	mg/Kg			1	6010B
7440-50-8	Copper	45.8	1.2	0.26	mg/Kg			1	6010B
7439-89-6	Iron	20300	12.4	1.4	mg/Kg		B	1	6010B
7439-92-1	Lead	64.5	1.2	0.30	mg/Kg			1	6010B
7439-95-4	Magnesium	5540	24.9	1.2	mg/Kg			1	6010B
7439-96-5	Manganese	465	0.25	0.040	mg/Kg		B	1	6010B
7440-02-0	Nickel	24.6	6.2	0.29	mg/Kg			1	6010B
7440-09-7	Potassium	962	37.3	24.9	mg/Kg			1	6010B
7782-49-2	Selenium	ND	5.0	0.71	mg/Kg			1	6010B
7440-22-4	Silver	ND	0.62	0.25	mg/Kg			1	6010B
7440-23-5	Sodium	132	174	16.2	mg/Kg	J	B	1	6010B
7440-28-0	Thallium	ND	7.5	0.37	mg/Kg			1	6010B
7440-62-2	Vanadium	17.6	0.62	0.14	mg/Kg			1	6010B
7440-66-6	Zinc	191	2.5	0.19	mg/Kg			1	6010B
7439-97-6	Hg	0.28	0.024	0.0096	mg/Kg			1	7471A

1A-IN
INORGANIC ANALYSIS DATA SHEET
METALS

Client Sample ID: RB-03 (12"-24") Lab Sample ID: 480-18068-3

Lab Name: TestAmerica Buffalo Job No.: 480-18068-1

SDG ID.:

Matrix: Solid Date Sampled: 04/02/2012 12:35

Reporting Basis: DRY Date Received: 04/04/2012 09:00

% Solids: 77.1

CAS No.	Analyte	Result	RL	MDL	Units	C	Q	DIL	Method
7429-90-5	Aluminum	7330	12.4	5.5	mg/Kg			1	6010B
7440-36-0	Antimony	ND	18.7	0.67	mg/Kg			1	6010B
7440-38-2	Arsenic	5.4	2.5	0.50	mg/Kg			1	6010B
7440-39-3	Barium	72.9	0.62	0.14	mg/Kg			1	6010B
7440-41-7	Beryllium	0.48	0.25	0.035	mg/Kg			1	6010B
7440-43-9	Cadmium	0.28	0.25	0.037	mg/Kg			1	6010B
7440-70-2	Calcium	19500	62.2	4.1	mg/Kg		B	1	6010B
7440-47-3	Chromium	13.1	0.62	0.25	mg/Kg			1	6010B
7440-48-4	Cobalt	8.2	0.62	0.062	mg/Kg			1	6010B
7440-50-8	Copper	22.0	1.2	0.26	mg/Kg			1	6010B
7439-89-6	Iron	17800	12.4	1.4	mg/Kg		B	1	6010B
7439-92-1	Lead	18.0	1.2	0.30	mg/Kg			1	6010B
7439-95-4	Magnesium	6670	24.9	1.2	mg/Kg			1	6010B
7439-96-5	Manganese	468	0.25	0.040	mg/Kg		B	1	6010B
7440-02-0	Nickel	19.3	6.2	0.29	mg/Kg			1	6010B
7440-09-7	Potassium	972	37.3	24.9	mg/Kg			1	6010B
7782-49-2	Selenium	ND	5.0	0.71	mg/Kg			1	6010B
7440-22-4	Silver	ND	0.62	0.25	mg/Kg			1	6010B
7440-23-5	Sodium	68.2	174	16.2	mg/Kg	J	B	1	6010B
7440-28-0	Thallium	ND	7.5	0.37	mg/Kg			1	6010B
7440-62-2	Vanadium	15.6	0.62	0.14	mg/Kg			1	6010B
7440-66-6	Zinc	58.2	2.5	0.19	mg/Kg			1	6010B
7439-97-6	Hg	0.052	0.023	0.0095	mg/Kg			1	7471A

1A-IN
INORGANIC ANALYSIS DATA SHEET
METALS

Client Sample ID: RB-04 (0-6") Lab Sample ID: 480-18068-4

Lab Name: TestAmerica Buffalo Job No.: 480-18068-1

SDG ID.:

Matrix: Solid Date Sampled: 04/02/2012 14:05

Reporting Basis: DRY Date Received: 04/04/2012 09:00

% Solids: 74.6

CAS No.	Analyte	Result	RL	MDL	Units	C	Q	DIL	Method
7429-90-5	Aluminum	7930	14.2	6.3	mg/Kg			1	6010B
7440-36-0	Antimony	ND	21.3	0.77	mg/Kg			1	6010B
7440-38-2	Arsenic	5.6	2.8	0.57	mg/Kg			1	6010B
7440-39-3	Barium	67.9	0.71	0.16	mg/Kg			1	6010B
7440-41-7	Beryllium	0.52	0.28	0.040	mg/Kg			1	6010B
7440-43-9	Cadmium	0.28	0.28	0.043	mg/Kg			1	6010B
7440-70-2	Calcium	18600	71.1	4.7	mg/Kg		B	1	6010B
7440-47-3	Chromium	13.8	0.71	0.28	mg/Kg			1	6010B
7440-48-4	Cobalt	8.0	0.71	0.071	mg/Kg			1	6010B
7440-50-8	Copper	18.6	1.4	0.30	mg/Kg			1	6010B
7439-89-6	Iron	18100	14.2	1.6	mg/Kg		B	1	6010B
7439-92-1	Lead	15.4	1.4	0.34	mg/Kg			1	6010B
7439-95-4	Magnesium	6460	28.5	1.3	mg/Kg			1	6010B
7439-96-5	Manganese	441	0.28	0.046	mg/Kg		B	1	6010B
7440-02-0	Nickel	18.8	7.1	0.33	mg/Kg			1	6010B
7440-09-7	Potassium	1090	42.7	28.5	mg/Kg			1	6010B
7782-49-2	Selenium	ND	5.7	0.81	mg/Kg			1	6010B
7440-22-4	Silver	ND	0.71	0.28	mg/Kg			1	6010B
7440-23-5	Sodium	80.3	199	18.5	mg/Kg	J	B	1	6010B
7440-28-0	Thallium	ND	8.5	0.43	mg/Kg			1	6010B
7440-62-2	Vanadium	17.3	0.71	0.16	mg/Kg			1	6010B
7440-66-6	Zinc	62.5	2.8	0.22	mg/Kg			1	6010B
7439-97-6	Hg	0.042	0.025	0.010	mg/Kg			1	7471A

1A-IN
INORGANIC ANALYSIS DATA SHEET
METALS

Client Sample ID: RB-04 (6"-12" | Lab Sample ID: 480-18068-5

Lab Name: TestAmerica Buffalo | Job No.: 480-18068-1

SDG ID.:

Matrix: Solid | Date Sampled: 04/02/2012 14:22

Reporting Basis: DRY | Date Received: 04/04/2012 09:00

% Solids: 74.1

CAS No.	Analyte	Result	RL	MDL	Units	C	Q	DIL	Method
7429-90-5	Aluminum	7750	13.8	6.1	mg/Kg			1	6010B
7440-36-0	Antimony	ND	20.7	0.75	mg/Kg			1	6010B
7440-38-2	Arsenic	6.0	2.8	0.55	mg/Kg			1	6010B
7440-39-3	Barium	74.8	0.69	0.15	mg/Kg			1	6010B
7440-41-7	Beryllium	0.51	0.28	0.039	mg/Kg			1	6010B
7440-43-9	Cadmium	0.34	0.28	0.041	mg/Kg			1	6010B
7440-70-2	Calcium	26900	69.2	4.6	mg/Kg		B	1	6010B
7440-47-3	Chromium	17.2	0.69	0.28	mg/Kg			1	6010B
7440-48-4	Cobalt	8.3	0.69	0.069	mg/Kg			1	6010B
7440-50-8	Copper	21.9	1.4	0.29	mg/Kg			1	6010B
7439-89-6	Iron	18300	13.8	1.5	mg/Kg		B	1	6010B
7439-92-1	Lead	19.5	1.4	0.33	mg/Kg			1	6010B
7439-95-4	Magnesium	10400	27.7	1.3	mg/Kg			1	6010B
7439-96-5	Manganese	502	0.28	0.044	mg/Kg		B	1	6010B
7440-02-0	Nickel	20.0	6.9	0.32	mg/Kg			1	6010B
7440-09-7	Potassium	1080	41.5	27.7	mg/Kg			1	6010B
7782-49-2	Selenium	ND	5.5	0.79	mg/Kg			1	6010B
7440-22-4	Silver	ND	0.69	0.28	mg/Kg			1	6010B
7440-23-5	Sodium	85.9	194	18.0	mg/Kg	J	B	1	6010B
7440-28-0	Thallium	ND	8.3	0.41	mg/Kg			1	6010B
7440-62-2	Vanadium	17.0	0.69	0.15	mg/Kg			1	6010B
7440-66-6	Zinc	67.7	2.8	0.21	mg/Kg			1	6010B
7439-97-6	Hg	0.060	0.025	0.010	mg/Kg			1	7471A

1A-IN
INORGANIC ANALYSIS DATA SHEET
METALS

Client Sample ID: RB-04 (12"-24") Lab Sample ID: 480-18068-6

Lab Name: TestAmerica Buffalo Job No.: 480-18068-1

SDG ID.:

Matrix: Solid Date Sampled: 04/02/2012 14:35

Reporting Basis: DRY Date Received: 04/04/2012 09:00

% Solids: 73.8

CAS No.	Analyte	Result	RL	MDL	Units	C	Q	DIL	Method
7429-90-5	Aluminum	8820	14.2	6.3	mg/Kg			1	6010B
7440-36-0	Antimony	ND	21.3	0.77	mg/Kg			1	6010B
7440-38-2	Arsenic	6.7	2.8	0.57	mg/Kg			1	6010B
7440-39-3	Barium	88.1	0.71	0.16	mg/Kg			1	6010B
7440-41-7	Beryllium	0.57	0.28	0.040	mg/Kg			1	6010B
7440-43-9	Cadmium	0.37	0.28	0.043	mg/Kg			1	6010B
7440-70-2	Calcium	25300	71.2	4.7	mg/Kg		B	1	6010B
7440-47-3	Chromium	16.1	0.71	0.28	mg/Kg			1	6010B
7440-48-4	Cobalt	9.3	0.71	0.071	mg/Kg			1	6010B
7440-50-8	Copper	23.9	1.4	0.30	mg/Kg			1	6010B
7439-89-6	Iron	20500	14.2	1.6	mg/Kg		B	1	6010B
7439-92-1	Lead	23.1	1.4	0.34	mg/Kg			1	6010B
7439-95-4	Magnesium	8530	28.5	1.3	mg/Kg			1	6010B
7439-96-5	Manganese	579	0.28	0.046	mg/Kg		B	1	6010B
7440-02-0	Nickel	22.1	7.1	0.33	mg/Kg			1	6010B
7440-09-7	Potassium	1240	42.7	28.5	mg/Kg			1	6010B
7782-49-2	Selenium	ND	5.7	0.81	mg/Kg			1	6010B
7440-22-4	Silver	ND	0.71	0.28	mg/Kg			1	6010B
7440-23-5	Sodium	89.1	199	18.5	mg/Kg	J	B	1	6010B
7440-28-0	Thallium	ND	8.5	0.43	mg/Kg			1	6010B
7440-62-2	Vanadium	18.5	0.71	0.16	mg/Kg			1	6010B
7440-66-6	Zinc	72.7	2.8	0.22	mg/Kg			1	6010B
7439-97-6	Hg	0.057	0.027	0.011	mg/Kg			1	7471A

1A-IN
INORGANIC ANALYSIS DATA SHEET
METALS

Client Sample ID: RB-05 (0-6") Lab Sample ID: 480-18068-7

Lab Name: TestAmerica Buffalo Job No.: 480-18068-1

SDG ID.:

Matrix: Solid Date Sampled: 04/02/2012 14:55

Reporting Basis: DRY Date Received: 04/04/2012 09:00

% Solids: 78.3

CAS No.	Analyte	Result	RL	MDL	Units	C	Q	DIL	Method
7429-90-5	Aluminum	5810	12.0	5.3	mg/Kg			1	6010B
7440-36-0	Antimony	0.92	18.0	0.65	mg/Kg	J		1	6010B
7440-38-2	Arsenic	23.2	2.4	0.48	mg/Kg			1	6010B
7440-39-3	Barium	72.9	0.60	0.13	mg/Kg			1	6010B
7440-41-7	Beryllium	0.44	0.24	0.034	mg/Kg			1	6010B
7440-43-9	Cadmium	0.44	0.24	0.036	mg/Kg			1	6010B
7440-70-2	Calcium	9130	60.1	4.0	mg/Kg		B	1	6010B
7440-47-3	Chromium	21.0	0.60	0.24	mg/Kg			1	6010B
7440-48-4	Cobalt	8.7	0.60	0.060	mg/Kg			1	6010B
7440-50-8	Copper	241	1.2	0.25	mg/Kg			1	6010B
7439-89-6	Iron	38400	12.0	1.3	mg/Kg		B	1	6010B
7439-92-1	Lead	127	1.2	0.29	mg/Kg			1	6010B
7439-95-4	Magnesium	3270	24.0	1.1	mg/Kg			1	6010B
7439-96-5	Manganese	419	0.24	0.038	mg/Kg		B	1	6010B
7440-02-0	Nickel	22.4	6.0	0.28	mg/Kg			1	6010B
7440-09-7	Potassium	818	36.1	24.0	mg/Kg			1	6010B
7782-49-2	Selenium	ND	4.8	0.69	mg/Kg			1	6010B
7440-22-4	Silver	ND	0.60	0.24	mg/Kg			1	6010B
7440-23-5	Sodium	73.3	168	15.6	mg/Kg	J	B	1	6010B
7440-28-0	Thallium	ND	7.2	0.36	mg/Kg			1	6010B
7440-62-2	Vanadium	22.3	0.60	0.13	mg/Kg			1	6010B
7440-66-6	Zinc	110	2.4	0.18	mg/Kg			1	6010B
7439-97-6	Hg	0.44	0.026	0.010	mg/Kg			1	7471A

1A-IN
INORGANIC ANALYSIS DATA SHEET
METALS

Client Sample ID: RB-05 (6"-12" Lab Sample ID: 480-18068-8

Lab Name: TestAmerica Buffalo Job No.: 480-18068-1

SDG ID.:

Matrix: Solid Date Sampled: 04/02/2012 15:10

Reporting Basis: DRY Date Received: 04/04/2012 09:00

% Solids: 87.3

CAS No.	Analyte	Result	RL	MDL	Units	C	Q	DIL	Method
7429-90-5	Aluminum	5290	11.0	4.8	mg/Kg			1	6010B
7440-36-0	Antimony	ND	16.5	0.59	mg/Kg			1	6010B
7440-38-2	Arsenic	15.1	2.2	0.44	mg/Kg			1	6010B
7440-39-3	Barium	61.3	0.55	0.12	mg/Kg			1	6010B
7440-41-7	Beryllium	0.45	0.22	0.031	mg/Kg			1	6010B
7440-43-9	Cadmium	0.28	0.22	0.033	mg/Kg			1	6010B
7440-70-2	Calcium	7200	54.9	3.6	mg/Kg		B	1	6010B
7440-47-3	Chromium	16.7	0.55	0.22	mg/Kg			1	6010B
7440-48-4	Cobalt	9.6	0.55	0.055	mg/Kg			1	6010B
7440-50-8	Copper	84.3	1.1	0.23	mg/Kg			1	6010B
7439-89-6	Iron	50700	54.9	6.0	mg/Kg		B	5	6010B
7439-92-1	Lead	59.6	1.1	0.26	mg/Kg			1	6010B
7439-95-4	Magnesium	2460	22.0	1.0	mg/Kg			1	6010B
7439-96-5	Manganese	432	0.22	0.035	mg/Kg		B	1	6010B
7440-02-0	Nickel	21.4	5.5	0.25	mg/Kg			1	6010B
7440-09-7	Potassium	733	32.9	22.0	mg/Kg			1	6010B
7782-49-2	Selenium	ND	4.4	0.63	mg/Kg			1	6010B
7440-22-4	Silver	ND	0.55	0.22	mg/Kg			1	6010B
7440-23-5	Sodium	68.9	154	14.3	mg/Kg	J	B	1	6010B
7440-28-0	Thallium	ND	6.6	0.33	mg/Kg			1	6010B
7440-62-2	Vanadium	17.8	0.55	0.12	mg/Kg			1	6010B
7440-66-6	Zinc	63.4	2.2	0.17	mg/Kg			1	6010B
7439-97-6	Hg	0.29	0.024	0.0095	mg/Kg			1	7471A

1A-IN
INORGANIC ANALYSIS DATA SHEET
METALS

Client Sample ID: RB-05 (12"-24") Lab Sample ID: 480-18068-9

Lab Name: TestAmerica Buffalo Job No.: 480-18068-1

SDG ID.:

Matrix: Solid Date Sampled: 04/02/2012 15:25

Reporting Basis: DRY Date Received: 04/04/2012 09:00

% Solids: 84.4

CAS No.	Analyte	Result	RL	MDL	Units	C	Q	DIL	Method
7429-90-5	Aluminum	5370	11.0	4.8	mg/Kg			1	6010B
7440-36-0	Antimony	ND	16.4	0.59	mg/Kg			1	6010B
7440-38-2	Arsenic	12.0	2.2	0.44	mg/Kg			1	6010B
7440-39-3	Barium	56.2	0.55	0.12	mg/Kg			1	6010B
7440-41-7	Beryllium	0.45	0.22	0.031	mg/Kg			1	6010B
7440-43-9	Cadmium	0.25	0.22	0.033	mg/Kg			1	6010B
7440-70-2	Calcium	4510	54.8	3.6	mg/Kg		B	1	6010B
7440-47-3	Chromium	15.8	0.55	0.22	mg/Kg			1	6010B
7440-48-4	Cobalt	8.0	0.55	0.055	mg/Kg			1	6010B
7440-50-8	Copper	83.2	1.1	0.23	mg/Kg			1	6010B
7439-89-6	Iron	22400	11.0	1.2	mg/Kg		B	1	6010B
7439-92-1	Lead	71.7	1.1	0.26	mg/Kg			1	6010B
7439-95-4	Magnesium	2000	21.9	1.0	mg/Kg			1	6010B
7439-96-5	Manganese	331	0.22	0.035	mg/Kg		B	1	6010B
7440-02-0	Nickel	18.9	5.5	0.25	mg/Kg			1	6010B
7440-09-7	Potassium	790	32.9	21.9	mg/Kg			1	6010B
7782-49-2	Selenium	ND	4.4	0.62	mg/Kg			1	6010B
7440-22-4	Silver	ND	0.55	0.22	mg/Kg			1	6010B
7440-23-5	Sodium	64.9	153	14.2	mg/Kg	J	B	1	6010B
7440-28-0	Thallium	ND	6.6	0.33	mg/Kg			1	6010B
7440-62-2	Vanadium	19.1	0.55	0.12	mg/Kg			1	6010B
7440-66-6	Zinc	65.1	2.2	0.17	mg/Kg			1	6010B
7439-97-6	Hg	0.30	0.024	0.0098	mg/Kg			1	7471A

1A-IN
INORGANIC ANALYSIS DATA SHEET
METALS

Client Sample ID: RB-06 (0-6") Lab Sample ID: 480-18068-10

Lab Name: TestAmerica Buffalo Job No.: 480-18068-1

SDG ID.:

Matrix: Solid Date Sampled: 04/02/2012 16:10

Reporting Basis: DRY Date Received: 04/04/2012 09:00

% Solids: 89.9

CAS No.	Analyte	Result	RL	MDL	Units	C	Q	DIL	Method
7429-90-5	Aluminum	4550	10.6	4.7	mg/Kg			1	6010B
7440-36-0	Antimony	2.0	15.9	0.57	mg/Kg	J		1	6010B
7440-38-2	Arsenic	55.3	2.1	0.42	mg/Kg			1	6010B
7440-39-3	Barium	77.8	0.53	0.12	mg/Kg			1	6010B
7440-41-7	Beryllium	0.44	0.21	0.030	mg/Kg			1	6010B
7440-43-9	Cadmium	0.30	0.21	0.032	mg/Kg			1	6010B
7440-70-2	Calcium	26900	53.0	3.5	mg/Kg		B	1	6010B
7440-47-3	Chromium	23.8	0.53	0.21	mg/Kg			1	6010B
7440-48-4	Cobalt	7.3	0.53	0.053	mg/Kg			1	6010B
7440-50-8	Copper	147	1.1	0.22	mg/Kg			1	6010B
7439-89-6	Iron	30000	10.6	1.2	mg/Kg		B	1	6010B
7439-92-1	Lead	142	1.1	0.25	mg/Kg			1	6010B
7439-95-4	Magnesium	1950	21.2	0.98	mg/Kg			1	6010B
7439-96-5	Manganese	327	0.21	0.034	mg/Kg		B	1	6010B
7440-02-0	Nickel	26.3	5.3	0.24	mg/Kg			1	6010B
7440-09-7	Potassium	655	31.8	21.2	mg/Kg			1	6010B
7782-49-2	Selenium	1.2	4.2	0.60	mg/Kg	J		1	6010B
7440-22-4	Silver	ND	0.53	0.21	mg/Kg			1	6010B
7440-23-5	Sodium	75.2	148	13.8	mg/Kg	J	B	1	6010B
7440-28-0	Thallium	ND	6.4	0.32	mg/Kg			1	6010B
7440-62-2	Vanadium	17.4	0.53	0.12	mg/Kg			1	6010B
7440-66-6	Zinc	98.5	2.1	0.16	mg/Kg			1	6010B
7439-97-6	Hg	3.0	0.21	0.083	mg/Kg			10	7471A

1A-IN
INORGANIC ANALYSIS DATA SHEET
METALS

Client Sample ID: RB-06 (6"-12" | Lab Sample ID: 480-18068-11

Lab Name: TestAmerica Buffalo | Job No.: 480-18068-1

SDG ID.:

Matrix: Solid | Date Sampled: 04/02/2012 16:25

Reporting Basis: DRY | Date Received: 04/04/2012 09:00

% Solids: 88.4

CAS No.	Analyte	Result	RL	MDL	Units	C	Q	DIL	Method
7429-90-5	Aluminum	5100	12.2	5.4	mg/Kg			1	6010B
7440-36-0	Antimony	4.6	18.3	0.66	mg/Kg	J		1	6010B
7440-38-2	Arsenic	35.2	2.4	0.49	mg/Kg			1	6010B
7440-39-3	Barium	83.4	0.61	0.13	mg/Kg			1	6010B
7440-41-7	Beryllium	0.49	0.24	0.034	mg/Kg			1	6010B
7440-43-9	Cadmium	0.37	0.24	0.037	mg/Kg			1	6010B
7440-70-2	Calcium	5340	61.1	4.0	mg/Kg		B	1	6010B
7440-47-3	Chromium	16.7	0.61	0.24	mg/Kg			1	6010B
7440-48-4	Cobalt	7.4	0.61	0.061	mg/Kg			1	6010B
7440-50-8	Copper	113	1.2	0.26	mg/Kg			1	6010B
7439-89-6	Iron	28700	12.2	1.3	mg/Kg		B	1	6010B
7439-92-1	Lead	9840	6.1	1.5	mg/Kg			5	6010B
7439-95-4	Magnesium	1860	24.4	1.1	mg/Kg			1	6010B
7439-96-5	Manganese	299	0.24	0.039	mg/Kg		B	1	6010B
7440-02-0	Nickel	22.6	6.1	0.28	mg/Kg			1	6010B
7440-09-7	Potassium	733	36.7	24.4	mg/Kg			1	6010B
7782-49-2	Selenium	ND	4.9	0.70	mg/Kg			1	6010B
7440-22-4	Silver	ND	0.61	0.24	mg/Kg			1	6010B
7440-23-5	Sodium	76.3	171	15.9	mg/Kg	J	B	1	6010B
7440-28-0	Thallium	ND	7.3	0.37	mg/Kg			1	6010B
7440-62-2	Vanadium	18.0	0.61	0.13	mg/Kg			1	6010B
7440-66-6	Zinc	75.3	2.4	0.19	mg/Kg			1	6010B
7439-97-6	Hg	2.4	0.22	0.089	mg/Kg			10	7471A

1A-IN
INORGANIC ANALYSIS DATA SHEET
METALS

Client Sample ID: RB-06 (12"-24") Lab Sample ID: 480-18068-12

Lab Name: TestAmerica Buffalo Job No.: 480-18068-1

SDG ID.:

Matrix: Solid Date Sampled: 04/02/2012 16:35

Reporting Basis: DRY Date Received: 04/04/2012 09:00

% Solids: 88.9

CAS No.	Analyte	Result	RL	MDL	Units	C	Q	DIL	Method
7429-90-5	Aluminum	5610	11.2	4.9	mg/Kg			1	6010B
7440-36-0	Antimony	2.1	16.9	0.61	mg/Kg	J		1	6010B
7440-38-2	Arsenic	40.8	2.2	0.45	mg/Kg			1	6010B
7440-39-3	Barium	84.0	0.56	0.12	mg/Kg			1	6010B
7440-41-7	Beryllium	0.58	0.22	0.031	mg/Kg			1	6010B
7440-43-9	Cadmium	0.30	0.22	0.034	mg/Kg			1	6010B
7440-70-2	Calcium	6170	56.2	3.7	mg/Kg		B	1	6010B
7440-47-3	Chromium	24.0	0.56	0.22	mg/Kg			1	6010B
7440-48-4	Cobalt	7.5	0.56	0.056	mg/Kg			1	6010B
7440-50-8	Copper	199	1.1	0.24	mg/Kg			1	6010B
7439-89-6	Iron	51600	56.2	6.2	mg/Kg		B	5	6010B
7439-92-1	Lead	347	1.1	0.27	mg/Kg			1	6010B
7439-95-4	Magnesium	2120	22.5	1.0	mg/Kg			1	6010B
7439-96-5	Manganese	362	0.22	0.036	mg/Kg		B	1	6010B
7440-02-0	Nickel	26.0	5.6	0.26	mg/Kg			1	6010B
7440-09-7	Potassium	857	33.7	22.5	mg/Kg			1	6010B
7782-49-2	Selenium	ND	4.5	0.64	mg/Kg			1	6010B
7440-22-4	Silver	ND	0.56	0.22	mg/Kg			1	6010B
7440-23-5	Sodium	102	157	14.6	mg/Kg	J	B	1	6010B
7440-28-0	Thallium	ND	6.7	0.34	mg/Kg			1	6010B
7440-62-2	Vanadium	21.8	0.56	0.12	mg/Kg			1	6010B
7440-66-6	Zinc	82.2	2.2	0.17	mg/Kg			1	6010B
7439-97-6	Hg	1.8	0.23	0.093	mg/Kg			10	7471A

2A-IN
CALIBRATION VERIFICATIONS
METALS

Lab Name: TestAmerica Buffalo Job No.: 480-18068-1

SDG No.:

ICV Source: MEI_04_ICV_00092 Concentration Units: mg/L

CCV Source: MEI_09_CCV_00056

Analyte	ICV 480-58450/5 04/05/2012 15:18				CCV 480-58450/12 04/05/2012 19:02				CCV 480-58450/22 04/05/2012 19:30			
	Found	C	True	%R	Found	C	True	%R	Found	C	True	%R
Aluminum	18.50		18.8	99	24.96		25.0	100	24.88		25.0	100
Antimony	0.372		0.375	99	0.504		0.500	101	0.500		0.500	100
Arsenic	0.362		0.375	96	0.493		0.500	99	0.494		0.500	99
Barium	0.378		0.375	101	0.513		0.500	103	0.510		0.500	102
Beryllium	0.369		0.375	98	0.501		0.500	100	0.500		0.500	100
Cadmium	0.369		0.375	98	0.500		0.500	100	0.500		0.500	100
Calcium	18.57		18.8	99	25.00		25.0	100	24.94		25.0	100
Chromium	0.370		0.375	99	0.497		0.500	99	0.494		0.500	99
Cobalt	0.359		0.375	96	0.483		0.500	97	0.484		0.500	97
Copper	0.365		0.375	97	0.492		0.500	98	0.489		0.500	98
Iron	18.78		18.8	100	25.29		25.0	101	25.23		25.0	101
Lead	0.369		0.375	98	0.493		0.500	99	0.493		0.500	99
Magnesium	18.58		18.8	99	25.09		25.0	100	25.05		25.0	100
Manganese	0.379		0.375	101	0.512		0.500	102	0.511		0.500	102
Nickel	0.364		0.375	97	0.492		0.500	98	0.492		0.500	98
Potassium	18.26		18.8	97	25.07		25.0	100	24.95		25.0	100
Selenium	0.363		0.375	97	0.496		0.500	99	0.489		0.500	98
Silver	0.364		0.375	97	0.496		0.500	99	0.496		0.500	99
Sodium	18.20		18.8	97	25.08		25.0	100	24.75		25.0	99
Thallium	0.371		0.375	99	0.505		0.500	101	0.499		0.500	100
Vanadium	0.369		0.375	98	0.494		0.500	99	0.491		0.500	98
Zinc	0.369		0.375	98	0.493		0.500	99	0.494		0.500	99

Note! Calculations are performed before rounding to avoid round-off errors in calculated results.
Italicized analytes were not requested for this sequence.

2A-IN
CALIBRATION VERIFICATIONS
METALS

Lab Name: TestAmerica Buffalo Job No.: 480-18068-1

SDG No.:

ICV Source: MEI_04_ICV_00092 Concentration Units: mg/L

CCV Source: MEI_09_CCV_00056

Analyte	CCV 480-58450/34 04/05/2012 19:58											
	Found	C	True	%R	Found	C	True	%R	Found	C	True	%R
Aluminum	25.05		25.0	100								
Antimony	0.499		0.500	100								
Arsenic	0.489		0.500	98								
Barium	0.512		0.500	102								
Beryllium	0.504		0.500	101								
Cadmium	0.500		0.500	100								
Calcium	25.00		25.0	100								
Chromium	0.499		0.500	100								
Cobalt	0.483		0.500	97								
Copper	0.493		0.500	99								
Iron	25.39		25.0	102								
Lead	0.490		0.500	98								
Magnesium	25.02		25.0	100								
Manganese	0.514		0.500	103								
Nickel	0.491		0.500	98								
Potassium	25.02		25.0	100								
Selenium	0.495		0.500	99								
Silver	0.498		0.500	100								
Sodium	24.77		25.0	99								
Thallium	0.499		0.500	100								
Vanadium	0.496		0.500	99								
Zinc	0.497		0.500	99								

Note! Calculations are performed before rounding to avoid round-off errors in calculated results.
Italicized analytes were not requested for this sequence.

2A-IN
CALIBRATION VERIFICATIONS
METALS

Lab Name: TestAmerica Buffalo Job No.: 480-18068-1

SDG No.:

ICV Source: MEI_04_ICV_00093 Concentration Units: mg/L

CCV Source: MEI_09_CCV_00056

Analyte	ICV 480-58892/5 04/09/2012 15:33				CCV 480-58892/12 04/09/2012 18:45				CCV 480-58892/15 04/09/2012 19:14			
	Found	C	True	%R	Found	C	True	%R	Found	C	True	%R
Iron	18.83		18.8	100	24.63		25.0	99	24.77		25.0	99
Lead	0.368		0.375	98	0.488		0.500	98	0.488		0.500	98

Note! Calculations are performed before rounding to avoid round-off errors in calculated results.
Italicized analytes were not requested for this sequence.

2A-IN
CALIBRATION VERIFICATIONS
METALS

Lab Name: TestAmerica Buffalo Job No.: 480-18068-1

SDG No.:

ICV Source: MEI_04_ICV_00093 Concentration Units: mg/L

CCV Source: MEI_09_CCV_00056

Analyte	CCV 480-58892/19 04/09/2012 19:42											
	Found	C	True	%R	Found	C	True	%R	Found	C	True	%R
Iron	24.75		25.0	99								
Lead	0.480		0.500	96								

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 Buffalo Job No.: 480-18068-1

SDG No.:

ICV Source: MEH_HG2_WKG_00062 Concentration Units: mg/L

CCV Source: MEH_HG2_WKG_00062

Analyte	ICV 480-58512/1 04/05/2012 11:26				CCV 480-58512/4 04/05/2012 11:30				CCV 480-58512/16 04/05/2012 11:45			
	Found	C	True	%R	Found	C	True	%R	Found	C	True	%R
Hg	0.00292		0.00300	97	0.00199		0.00200	100	0.00229		0.00200	115

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 Buffalo Job No.: 480-18068-1

SDG No.:

ICV Source: MEH_HG2_WKG_00062 Concentration Units: mg/L

CCV Source: MEH_HG2_WKG_00062

Analyte	CCV 480-58512/28 04/05/2012 12:03				CCV 480-58512/34 04/05/2012 12:09				CCV 480-58512/39 04/05/2012 12:39			
	Found	C	True	%R	Found	C	True	%R	Found	C	True	%R
Hg	0.00234		0.00200	117	0.00230		0.00200	115	0.00228		0.00200	114

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 Buffalo Job No.: 480-18068-1

SDG No.:

Method: 6010B Instrument ID: ICAP1

Lab Sample ID: CRI 480-58450/7 Concentration Units: mg/L

CRQL Check Standard Source: MEI_06_CRI_00030

Analyte	CRQL Check Standard				
	True	Found	Qualifiers	%R(1)	Limits
Aluminum	0.200	0.225		113	50-150
Antimony	0.0200	0.0227		113	50-150
Arsenic	0.0100	0.0107		107	50-150
Barium	0.00200	0.00215		108	50-150
Beryllium	0.00200	0.00209		105	50-150
Cadmium	0.00100	0.00114		114	50-150
Calcium	0.500	0.503		101	50-150
Chromium	0.00400	0.00421		105	50-150
Cobalt	0.00400	0.00400		100	50-150
Copper	0.0100	0.00951	J	95	50-150
Iron	0.0500	0.0418	J	84	50-150
Lead	0.00500	0.00581		116	50-150
Magnesium	0.200	0.201		101	50-150
Manganese	0.00300	0.00331		110	50-150
Nickel	0.0100	0.00930	J	93	50-150
Potassium	0.500	0.451	J	90	50-150
Selenium	0.0150	0.0110	J	73	50-150
Silver	0.00300	0.00171	J	57	50-150
Sodium	1.00	0.964	J	96	50-150
Thallium	0.0200	0.0188	J	94	50-150
Vanadium	0.00500	0.00370	J	74	50-150
Zinc	0.0100	0.00894	J	89	50-150

Lab Sample ID: CRI 480-58892/7 Concentration Units: mg/L

CRQL Check Standard Source: MEI_06_CRI_00030

Analyte	CRQL Check Standard				
	True	Found	Qualifiers	%R(1)	Limits
Iron	0.0500	0.0724		145	50-150
Lead	0.00500	0.00506		101	50-150

Note! Calculations are performed before rounding to avoid round-off errors in calculated results.

FORM IIB-IN

2B-IN
CRQL CHECK STANDARD
METALS

Lab Name: TestAmerica Buffalo Job No.: 480-18068-1

SDG No.:

Method: 7471A Instrument ID: LEEMAN3

Lab Sample ID: CRA 480-58512/3 Concentration Units: mg/L

CRQL Check Standard Source: MEH_HG2_WKG_00062

Analyte	CRQL Check Standard				
	True	Found	Qualifiers	%R(1)	Limits
Hg	0.000200	0.000135	J	68	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 Buffalo Job No.: 480-18068-1

SDG No.:

Concentration Units: mg/L

Analyte	RL	ICB 480-58450/6 04/05/2012 15:21		CCB 480-58450/13 04/05/2012 19:04		CCB 480-58450/23 04/05/2012 19:32		CCB 480-58450/35 04/05/2012 20:01	
		Found	C	Found	C	Found	C	Found	C
Aluminum	0.20	ND		ND		ND		ND	
Antimony	0.020	ND		ND		ND		ND	
Arsenic	0.010	ND		ND		ND		ND	
Barium	0.0020	ND		ND		ND		ND	
Beryllium	0.0020	0.000320	J	ND		ND		ND	
Cadmium	0.0010	ND		ND		ND		ND	
Calcium	0.50	ND		ND		ND		ND	
Chromium	0.0040	ND		ND		ND		ND	
Cobalt	0.0040	ND		ND		ND		ND	
Copper	0.010	ND		ND		ND		ND	
Iron	0.050	ND		ND		ND		ND	
Lead	0.0050	ND		ND		ND		ND	
Magnesium	0.20	ND		ND		ND		ND	
Manganese	0.0030	ND		ND		ND		ND	
Nickel	0.010	ND		ND		ND		ND	
Potassium	0.50	ND		ND		ND		ND	
Selenium	0.015	ND		ND		ND		ND	
Silver	0.0030	ND		ND		ND		ND	
Sodium	1.0	ND		ND		ND		ND	
Thallium	0.020	ND		ND		ND		ND	
Vanadium	0.0050	ND		ND		ND		ND	
Zinc	0.010	ND		ND		ND		ND	

Italicized analytes were not requested for this sequence.

3-IN
INSTRUMENT BLANKS
METALS

Lab Name: TestAmerica Buffalo Job No.: 480-18068-1

SDG No.:

Concentration Units: mg/L

Analyte	RL	ICB 480-58892/6 04/09/2012 15:36		CCB 480-58892/13 04/09/2012 18:48		CCB 480-58892/16 04/09/2012 19:16		CCB 480-58892/20 04/09/2012 19:44	
		Found	C	Found	C	Found	C	Found	C
Iron	0.050	ND		ND		ND		ND	
Lead	0.0050	ND		ND		ND		ND	

Italicized analytes were not requested for this sequence.

3-IN
INSTRUMENT BLANKS
METALS

Lab Name: TestAmerica Buffalo Job No.: 480-18068-1

SDG No.:

Concentration Units: mg/L

Analyte	RL	ICB 480-58512/2 04/05/2012 11:27		CCB 480-58512/5 04/05/2012 11:31		CCB 480-58512/17 04/05/2012 11:47		CCB 480-58512/29 04/05/2012 12:04	
		Found	C	Found	C	Found	C	Found	C
Hg	0.00020	ND		ND		ND		ND	

Italicized analytes were not requested for this sequence.

3-IN
INSTRUMENT BLANKS
METALS

Lab Name: TestAmerica Buffalo Job No.: 480-18068-1

SDG No.:

Concentration Units: mg/L

Analyte	RL	CCB 480-58512/35 04/05/2012 12:11		CCB 480-58512/40 04/05/2012 12:40					
		Found	C	Found	C	Found	C	Found	C
Hg	0.00020	ND		ND					

Italicized analytes were not requested for this sequence.

3-IN
METHOD BLANK
METALS

Lab Name: TestAmerica Buffalo Job No.: 480-18068-1

SDG No.:

Concentration Units: mg/Kg Lab Sample ID: MB 480-58242/1-A

Instrument Code: ICAP1 Batch No.: 58450

CAS No.	Analyte	Concentration	C	Q	Method
7429-90-5	Aluminum	ND			6010B
7440-36-0	Antimony	ND			6010B
7440-38-2	Arsenic	ND			6010B
7440-39-3	Barium	ND			6010B
7440-41-7	Beryllium	ND			6010B
7440-43-9	Cadmium	ND			6010B
7440-70-2	Calcium	3.77	J		6010B
7440-47-3	Chromium	ND			6010B
7440-48-4	Cobalt	ND			6010B
7440-50-8	Copper	ND			6010B
7439-89-6	Iron	1.32	J		6010B
7439-92-1	Lead	ND			6010B
7439-95-4	Magnesium	ND			6010B
7439-96-5	Manganese	0.0489	J		6010B
7440-02-0	Nickel	ND			6010B
7440-09-7	Potassium	ND			6010B
7782-49-2	Selenium	ND			6010B
7440-22-4	Silver	ND			6010B
7440-23-5	Sodium	37.58	J		6010B
7440-28-0	Thallium	ND			6010B
7440-62-2	Vanadium	ND			6010B
7440-66-6	Zinc	ND			6010B

3-IN
METHOD BLANK
METALS

Lab Name: TestAmerica Buffalo Job No.: 480-18068-1

SDG No.:

Concentration Units: mg/Kg Lab Sample ID: MB 480-58215/1-A

Instrument Code: LEEMAN3 Batch No.: 58512

CAS No.	Analyte	Concentration	C	Q	Method
7439-97-6	Hg	ND			7471A

4A-IN
INTERFERENCE CHECK STANDARD
METALS

Lab Name: TestAmerica Buffalo Job No.: 480-18068-1

SDG No.:

Lab Sample ID: ICSA 480-58450/8 Instrument ID: ICAP1

Lab File ID: I1040512A-7.asc ICS Source: MEI_07_ICSA_00027

Concentration Units: mg/L

Analyte	True Solution A	Found Solution A	Percent Recovery
Aluminum	**500**	**511**	**102**
Antimony		**-0.0151**	
Arsenic		**0.0062**	
Barium		**0.0005**	
Beryllium		**0.0001**	
Cadmium		**0.0026**	
Calcium	**500**	**493**	**99**
Chromium		**0.0025**	
Cobalt		**0.0000**	
Copper		**0.0023**	
Iron	**200**	**192**	**96**
Lead		**0.0004**	
Magnesium	**500**	**527**	**105**
Manganese		**0.0020**	
Nickel		**0.0000**	
Potassium		**-0.0388**	
Selenium		**0.0033**	
Silver		**-0.0025**	
Sodium		**0.0253**	
Thallium		**-0.0023**	
Vanadium		**0.0046**	
Zinc		**-0.0014**	
Boron		*-0.0005*	
Lithium		*0.0063*	
Molybdenum		*-0.0012*	
Silicon		*0.0321*	
Strontium		*0.0005*	
Tin		*0.0015*	
Titanium		*0.0041*	

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 Buffalo Job No.: 480-18068-1

SDG No.:

Lab Sample ID: ICSAB 480-58450/9 Instrument ID: ICAP1

Lab File ID: I1040512A-7.asc ICS Source: MEI_08_ICSAB_00034

Concentration Units: mg/L

Analyte	True Solution AB	Found Solution AB	Found Percent Recovery
Aluminum	**500**	**507**	**101**
Antimony	**0.600**	**0.589**	**98**
Arsenic	**0.100**	**0.114**	**114**
Barium	**0.500**	**0.501**	**100**
Beryllium	**0.500**	**0.522**	**104**
Cadmium	**1.00**	**1.05**	**105**
Calcium	**500**	**489**	**98**
Chromium	**0.500**	**0.502**	**100**
Cobalt	**0.500**	**0.508**	**102**
Copper	**0.500**	**0.552**	**110**
Iron	**100**	**95.8**	**96**
Lead	**0.0500**	**0.0436**	**87**
Magnesium	**500**	**534**	**107**
Manganese	**0.500**	**0.485**	**97**
Nickel	**1.00**	**0.984**	**98**
Potassium		**-0.0101**	
Selenium	**0.0500**	**0.0515**	**103**
Silver	**0.200**	**0.172**	**86**
Sodium		**0.0496**	
Thallium	**0.100**	**0.0991**	**99**
Vanadium	**0.500**	**0.518**	**104**
Zinc	**1.00**	**1.02**	**102**
Boron		*0.0061*	
Lithium	*0.500*	*0.526*	*105*
Molybdenum		*-0.0003*	
Silicon	*1.00*	*1.09*	*109*
Strontium	*0.500*	*0.493*	*99*
Tin		*0.0022*	
Titanium		*0.0035*	

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 Buffalo Job No.: 480-18068-1

SDG No.:

Lab Sample ID: ICSA 480-58892/8 Instrument ID: ICAP1

Lab File ID: I1040912A-4.asc ICS Source: MEI_07_ICSA_00027

Concentration Units: mg/L

Analyte	True Solution A	Found Solution A	Percent Recovery
Iron	**200**	**189**	**95**
Lead		**-0.0056**	
Aluminum	*500*	*503*	*101*
Antimony		*-0.0117*	
Arsenic		*0.0072*	
Barium		*0.0005*	
Beryllium		*0.0002*	
Boron		*0.0010*	
Cadmium		*0.0026*	
Calcium	*500*	*484*	*97*
Chromium		*0.0005*	
Cobalt		*-0.0001*	
Copper		*0.0023*	
Lithium		*0.0051*	
Magnesium	*500*	*525*	*105*
Manganese		*0.0020*	
Molybdenum		*-0.0017*	
Nickel		*-0.0005*	
Potassium		*-0.0420*	
Selenium		*-0.0088*	
Silver		*-0.0017*	
Sodium		*0.0350*	
Strontium		*0.0007*	
Thallium		*0.0011*	
Tin		*0.0016*	
Titanium		*0.0047*	
Vanadium		*0.0064*	
Zinc		*0.0017*	

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 Buffalo Job No.: 480-18068-1

SDG No.:

Lab Sample ID: ICSAB 480-58892/9 Instrument ID: ICAP1

Lab File ID: I1040912A-4.asc ICS Source: MEI_08_ICSAB_00034

Concentration Units: mg/L

Analyte	True Solution AB	Found Solution AB	Found Percent Recovery
Iron	**100**	**93.0**	**93**
Lead	**0.0500**	**0.0493**	**99**
Aluminum	*500*	*491*	*98*
Antimony	*0.600*	*0.595*	*99*
Arsenic	*0.100*	*0.112*	*112*
Barium	*0.500*	*0.499*	*100*
Beryllium	*0.500*	*0.515*	*103*
Boron		*0.0051*	
Cadmium	*1.00*	*1.05*	*105*
Calcium	*500*	*472*	*94*
Chromium	*0.500*	*0.499*	*100*
Cobalt	*0.500*	*0.513*	*103*
Copper	*0.500*	*0.549*	*110*
Lithium	*0.500*	*0.516*	*103*
Magnesium	*500*	*538*	*108*
Manganese	*0.500*	*0.488*	*98*
Molybdenum		*-0.0009*	
Nickel	*1.00*	*0.998*	*100*
Potassium		*-0.0012*	
Selenium	*0.0500*	*0.0511*	*102*
Silver	*0.200*	*0.175*	*88*
Sodium		*0.0588*	
Strontium	*0.500*	*0.485*	*97*
Thallium	*0.100*	*0.0997*	*100*
Tin		*0.0000*	
Titanium		*0.0038*	
Vanadium	*0.500*	*0.515*	*103*
Zinc	*1.00*	*1.01*	*101*

Calculations are performed before rounding to avoid round-off errors in calculated results.

FORM IVA-IN

5A-IN
MATRIX SPIKE SAMPLE RECOVERY
METALS

Client ID: RB-03 (0-6") MS
Lab ID: 480-18068-1 MS
Lab Name: TestAmerica Buffalo
Job No.: 480-18068-1
SDG No.:
Matrix: Solid
Concentration Units: mg/Kg
% Solids: 75.5

Analyte	SSR	C	Sample Result (SR)	C	Spike Added (SA)	%R	Control Limit %R	Q	Method
Hg	0.576		0.049		0.455	116	75-125		7471A

SSR = Spiked Sample Result

Calculations are performed before rounding to avoid round-off errors in calculated results.
Note - Results and Reporting Limits have been adjusted for dry weight.

FORM VA - IN

5A-IN
MATRIX SPIKE SAMPLE RECOVERY
METALS

Client ID: RB-03 (12"-24") MS
Lab ID: 480-18068-3 MS
Lab Name: TestAmerica Buffalo
Job No.: 480-18068-1
SDG No.:
Matrix: Solid
Concentration Units: mg/Kg
% Solids: 77.1

Analyte	SSR	C	Sample Result (SR)	C	Spike Added (SA)	%R	Control Limit %R	Q	Method
Aluminum	12750		7330		2490	217	75-125	F	6010B
Antimony	37.78		ND		49.8	76	75-125		6010B
Arsenic	51.84		5.4		49.8	93	75-125		6010B
Barium	137.9		72.9		49.8	131	75-125	F	6010B
Beryllium	48.89		0.48		49.8	97	75-125		6010B
Cadmium	47.16		0.28		49.8	94	75-125		6010B
Calcium	21660		19500		2490	88	75-125	4	6010B
Chromium	61.04		13.1		49.8	96	75-125		6010B
Cobalt	58.24		8.2		49.8	101	75-125		6010B
Copper	72.57		22.0		49.8	102	75-125		6010B
Iron	21320		17800		2490	140	75-125	4	6010B
Lead	71.48		18.0		49.8	107	75-125		6010B
Magnesium	8982		6670		2490	93	75-125		6010B
Manganese	556.8		468		49.8	179	75-125	4	6010B
Nickel	70.24		19.3		49.8	102	75-125		6010B
Potassium	3708		972		2490	110	75-125		6010B
Selenium	44.94		ND		49.8	90	75-125		6010B
Silver	11.53		ND		12.4	93	75-125		6010B
Sodium	2459		68.2	J	2490	96	75-125		6010B
Thallium	47.72		ND		49.8	96	75-125		6010B
Vanadium	66.74		15.6		49.8	103	75-125		6010B
Zinc	110.6		58.2		49.8	105	75-125		6010B

SSR = Spiked Sample Result

Calculations are performed before rounding to avoid round-off errors in calculated results.
Note - Results and Reporting Limits have been adjusted for dry weight.

FORM VA - IN

5A-IN
MATRIX SPIKE DUPLICATE SAMPLE RECOVERY
METALS

Client ID: RB-03 (0-6") MSD
Lab ID: 480-18068-1 MSD
Lab Name: TestAmerica Buffalo
Job No.: 480-18068-1
SDG No.:
Matrix: Solid
Concentration Units: mg/Kg
% Solids: 75.5

Analyte	(SDR) C		Spike Added (SA)	%R	Control Limit %R	RPD	RPD Limit	Q	Method
Hg	0.566		0.447	116	75-125	1.71	20		7471A

SDR = Sample Duplicate Result

Calculations are performed before rounding to avoid round-off errors in calculated results.
Note - Results and Reporting Limits have been adjusted for dry weight.

FORM VD - IN

5A-IN
MATRIX SPIKE DUPLICATE SAMPLE RECOVERY
METALS

Client ID: RB-03 (12"-24") MSD
Lab ID: 480-18068-3 MSD
Lab Name: TestAmerica Buffalo
Job No.: 480-18068-1
SDG No.:
Matrix: Solid
Concentration Units: mg/Kg
% Solids: 77.1

Analyte	(SDR)	C	Spike Added (SA)	%R	Control Limit %R	RPD	RPD Limit	Q	Method
Aluminum	12710		2520	214	75-125	0.000	20	F	6010B
Antimony	33.69		50.3	67	75-125	11.5	20	F	6010B
Arsenic	49.58		50.3	88	75-125	4.46	20		6010B
Barium	132.4		50.3	118	75-125	4.02	20		6010B
Beryllium	46.39		50.3	91	75-125	5.24	20		6010B
Cadmium	44.50		50.3	88	75-125	5.80	20		6010B
Calcium	18520		2520	-38	75-125	15.6	20	4	6010B
Chromium	58.68		50.3	91	75-125	3.94	20		6010B
Cobalt	54.39		50.3	92	75-125	6.84	20		6010B
Copper	71.45		50.3	98	75-125	1.56	20		6010B
Iron	21240		2520	135	75-125	0.000	20	4	6010B
Lead	67.71		50.3	99	75-125	5.42	20		6010B
Magnesium	7968		2520	52	75-125	12.0	20	F	6010B
Manganese	609.7		50.3	282	75-125	9.08	20	4	6010B
Nickel	67.29		50.3	95	75-125	4.29	20		6010B
Potassium	3900		2520	116	75-125	5.05	20		6010B
Selenium	43.04		50.3	86	75-125	4.33	20		6010B
Silver	10.99		12.6	87	75-125	4.77	20		6010B
Sodium	2316		2520	89	75-125	6.01	20		6010B
Thallium	45.25		50.3	90	75-125	5.32	20		6010B
Vanadium	64.48		50.3	97	75-125	3.45	20		6010B
Zinc	104.7		50.3	93	75-125	5.44	20		6010B

SDR = Sample Duplicate Result

Calculations are performed before rounding to avoid round-off errors in calculated results.
Note - Results and Reporting Limits have been adjusted for dry weight.

FORM VD - IN

5B-IN
POST DIGESTION SPIKE SAMPLE RECOVERY
METALS

Client ID: RB-03 (12"-24") PDS Lab ID: 480-18068-3 PDS

Lab Name: TestAmerica Buffalo Job No.: 480-18068-1

SDG No.:

Matrix: Solid Concentration Units: mg/Kg

Analyte	SSR	C	Sample Result (SR)	C	Spike Added (SA)	%R	Control Limit %R	Q	Method
Aluminum	10110		7330		2490	112	75-125		6010B
Antimony	50.14		ND		49.8	101	75-125		6010B
Arsenic	57.88		5.4		49.8	106	75-125		6010B
Barium	126.0		72.9		49.8	107	75-125		6010B
Beryllium	52.02		0.48		49.8	104	75-125		6010B
Cadmium	50.90		0.28		49.8	102	75-125		6010B
Calcium	22330		19500		2490	115	75-125		6010B
Chromium	62.59		13.1		49.8	99	75-125		6010B
Cobalt	58.91		8.2		49.8	102	75-125		6010B
Copper	75.11		22.0		49.8	107	75-125		6010B
Iron	20610		17800		2490	111	75-125		6010B
Lead	70.65		18.0		49.8	106	75-125		6010B
Magnesium	9138		6670		2490	99	75-125		6010B
Manganese	515.4		468		49.8	96	75-125		6010B
Nickel	71.93		19.3		49.8	106	75-125		6010B
Potassium	3579		972		2490	105	75-125		6010B
Selenium	51.57		ND		49.8	104	75-125		6010B
Silver	11.55		ND		12.4	93	75-125		6010B
Sodium	2639		68.2	J	2490	103	75-125		6010B
Thallium	51.81		ND		49.8	104	75-125		6010B
Vanadium	66.65		15.6		49.8	103	75-125		6010B
Zinc	108.5		58.2		49.8	101	75-125		6010B

SSR = Spiked Sample Result

Calculations are performed before rounding to avoid round-off errors in calculated results.
Note - Results and Reporting Limits have been adjusted for dry weight.

FORM VB - IN

7A-IN
LCS-CERTIFIED REFERENCE MATERIAL
METALS

Lab ID: LCSSRM 480-58242/2-A

Lab Name: TestAmerica Buffalo Job No.: 480-18068-1

Sample Matrix: Solid LCS Source: MED_SRM_D072_00001

Analyte	Solid(mg/Kg)							
	True	Found	C	%R	Limits		Q	Method
Aluminum	8400	7038		84	41	160		6010B
Antimony	106	91.12		86	25	275		6010B
Arsenic	109	107.8		99	70	134		6010B
Barium	206	214.1		104	73	127		6010B
Beryllium	88.3	90.52		103	74	126		6010B
Cadmium	80.3	82.69		103	73	127		6010B
Calcium	6710	6506		97	74	126		6010B
Chromium	117	114.5		98	70	130		6010B
Cobalt	127	132.6		104	74	125		6010B
Copper	117	118.9		101	75	125		6010B
Iron	12300	10280		83	31	170		6010B
Lead	76.3	77.37		101	69	131		6010B
Magnesium	2640	2467		93	64	136		6010B
Manganese	350	340.3		97	75	125		6010B
Nickel	71.3	74.44		104	71	129		6010B
Potassium	2960	2859		96	63	138		6010B
Selenium	127	136.0		107	67	134		6010B
Silver	41.0	40.77		99	66	134		6010B
Sodium	360	375.7		104	44	156		6010B
Thallium	266	280.0		105	70	130		6010B
Vanadium	86.2	82.44		96	63	137		6010B
Zinc	280	268.5		96	71	129		6010B

Calculations are performed before rounding to avoid round-off errors in calculated results.

FORM VIIA - IN

7A-IN
LCS-CERTIFIED REFERENCE MATERIAL
METALS

Lab ID: LCSSRM 480-58215/2-A

Lab Name: TestAmerica Buffalo Job No.: 480-18068-1

Sample Matrix: Solid LCS Source: MEH_SRM_D071_00001

Analyte	Solid(mg/Kg)							
	True	Found	C	%R	Limits		Q	Method
Hg	3.77	3.97		105	51	149		7471A

Calculations are performed before rounding to avoid round-off errors in calculated results.

FORM VIIA - IN

8-IN
ICP-AES AND ICP-MS SERIAL DILUTIONS
METALS

Lab ID: 480-18068-3

SDG No:

Lab Name: TestAmerica Buffalo Job No: 480-18068-1

Matrix: Solid Concentration Units: mg/Kg

Analyte	Initial Sample Result (I)	C	Serial Dilution Result (S)	C	% Difference	Q	Method
Aluminum	7330		8137		11	V	6010B
Antimony	ND		ND		NC		6010B
Arsenic	5.4		5.16	J	NC		6010B
Barium	72.9		80.49		10		6010B
Beryllium	0.48		0.498	J	NC		6010B
Cadmium	0.28		0.342	J	NC		6010B
Calcium	19500		21910		13	V	6010B
Chromium	13.1		15.33		17	V	6010B
Cobalt	8.2		8.71		6.2		6010B
Copper	22.0		23.82		8.3		6010B
Iron	17800		20270		14	V	6010B
Lead	18.0		19.17		6.5		6010B
Magnesium	6670		7392		11	V	6010B
Manganese	468		529.1		13	V	6010B
Nickel	19.3		20.66	J	6.8		6010B
Potassium	972		1065		9.6		6010B
Selenium	ND		ND		NC		6010B
Silver	ND		ND		NC		6010B
Sodium	68.2	J	88.75	J	NC		6010B
Thallium	ND		ND		NC		6010B
Vanadium	15.6		17.64		13	V	6010B
Zinc	58.2		66.04		13	V	6010B

Calculations are performed before rounding to avoid round-off errors in calculated results.

FORM VIII-IN

8-IN
ICP-AES AND ICP-MS SERIAL DILUTIONS
METALS

Lab ID: 480-18068-1

SDG No:

Lab Name: TestAmerica Buffalo Job No: 480-18068-1

Matrix: Solid Concentration Units: mg/Kg

Analyte	Initial Sample Result (I)	C	Serial Dilution Result (S)	C	% Difference	Q	Method
Hg	0.049		ND		NC		7471A

Calculations are performed before rounding to avoid round-off errors in calculated results.

FORM VIII-IN

9-IN
DETECTION LIMITS
METALS

Lab Name: TestAmerica Buffalo Job Number: 480-18068-1

SDG Number:

Matrix: Solid Instrument ID: ICAP1

Method: 6010B MDL Date: 09/22/2010 00:00

Prep Method: 3050B

Analyte	Wavelength/ Mass	RL (mg/Kg)	MDL (mg/Kg)
Aluminum	308.215	10	4.4
Antimony	206.833	15	0.54
Arsenic	189.042	2	0.4
Barium	455.403	0.5	0.11
Beryllium	313.042	0.2	0.028
Cadmium	228.802	0.2	0.03
Calcium	317.933	50	3.3
Chromium	267.716	0.5	0.2
Cobalt	228.616	0.5	0.05
Copper	324.754	1	0.21
Iron	259.940	10	1.1
Lead	220.353	1	0.24
Magnesium	279.079	20	0.927
Manganese	257.610	0.2	0.032
Nickel	231.604	5	0.23
Potassium	766.490	30	20
Selenium	196.090	4	0.57
Silver	328.068	0.5	0.2
Sodium	589.592	140	13
Thallium	190.856	6	0.3
Vanadium	292.402	0.5	0.11
Zinc	206.200	2	0.153

9-IN
CALIBRATION BLANK DETECTION LIMITS
METALS

Lab Name: TestAmerica Buffalo Job Number: 480-18068-1

SDG Number:

Matrix: Solid Instrument ID: ICAP1

Method: 6010B XMDL Date: 02/23/2012 14:02

Analyte	Wavelength/ Mass	XRL (mg/L)	XMDL (mg/L)
Aluminum	308.215	0.2	0.06
Antimony	206.833	0.02	0.00679
Arsenic	189.042	0.01	0.00555
Barium	455.403	0.002	0.0007
Beryllium	313.042	0.002	0.0003
Cadmium	228.802	0.001	0.0005
Calcium	317.933	0.5	0.1
Chromium	267.716	0.004	0.001
Cobalt	228.616	0.004	0.00063
Copper	324.754	0.01	0.0016
Iron	259.940	0.05	0.0193
Lead	220.353	0.005	0.003
Magnesium	279.079	0.2	0.0434
Manganese	257.610	0.003	0.0004
Nickel	231.604	0.01	0.00126
Potassium	766.490	0.5	0.1
Selenium	196.090	0.015	0.0087
Silver	328.068	0.003	0.0017
Sodium	589.592	1	0.324
Thallium	190.856	0.02	0.01024
Vanadium	292.402	0.005	0.0015
Zinc	206.200	0.01	0.0015

9-IN
DETECTION LIMITS
METALS

Lab Name: TestAmerica Buffalo Job Number: 480-18068-1

SDG Number:

Matrix: Solid Instrument ID: LEEMAN3

Method: 7471A MDL Date: 01/29/2010 00:00

Prep Method: 7471A

Analyte	Wavelength/ Mass	RL (mg/Kg)	MDL (mg/Kg)
Hg	253.7	0.02	0.0081

9-IN
CALIBRATION BLANK DETECTION LIMITS
METALS

Lab Name: TestAmerica Buffalo Job Number: 480-18068-1

SDG Number:

Matrix: Solid Instrument ID: LEEMAN3

Method: 7471A XMDL Date: 01/29/2010 00:00

Analyte	Wavelength/ Mass	XRL (mg/L)	XMDL (mg/L)
Hg	253.7	0.0002	0.00012

10-IN
ICP-AES INTERELEMENT CORRECTION FACTORS
METALS

Lab Name: TestAmerica Buffalo Job Number: 480-18068-1

SDG No.:

ICP-AES Instrument ID: ICAP1 Date: 03/20/2012

Analyte	Wave Length	Ag	Al	As	B	Ba	Be	Ca	Cd	Co	Cr	Cu	Fe	K	Li
Aluminum	308.215														
Antimony	206.833										0.008032		0.000021		
Arsenic	189.042										-0.016340				
Barium	455.403														
Beryllium	313.042														
Boron	208.959														
Cadmium	228.802			0.004511											
Calcium	317.933														
Chromium	267.716														
Cobalt	228.616														
Copper	324.754														
Indium	230.606														
Iron	271.441														
Lead	220.353		-0.000025							-0.000139			0.000009		
Lithium	670.784														
Magnesium	279.079														
Manganese	257.610														
Molybdenum	202.030														
Nickel	231.604		-0.000025							-0.000625			0.000009		
Potassium	766.490														
Selenium	196.090		-0.000010												
Silicon	288.158														
Silver	328.068														
Sodium	589.592														
Strontium	407.771							0.000010							
Sulfur	182.034														
Thallium	190.856									0.002651	0.000199				
Tin	189.989														
Titanium	334.904										0.000155				
Vanadium	292.402										-0.007494				

X-IN

10-IN
ICP-AES INTERELEMENT CORRECTION FACTORS
METALS

Lab Name: TestAmerica Buffalo Job Number: 480-18068-1

SDG No.:

ICP-AES Instrument ID: ICAP1 Date: 03/20/2012

Analyte	Wave Length	Ag	Al	As	B	Ba	Be	Ca	Cd	Co	Cr	Cu	Fe	K	Li
Yttrium	224.306														
Zinc	206.200										-0.000660				

10-IN
ICP-AES INTERELEMENT CORRECTION FACTORS
METALS

Lab Name: TestAmerica Buffalo Job Number: 480-18068-1

SDG No.:

ICP-AES Instrument ID: ICAP1 Date: 03/20/2012

Analyte	Wave Length	Mg	Mn	Mo	Na	Ni	Pb	S	Sb	Se	Si	Sn	Sr	Ti	Tl
Aluminum	308.215														
Antimony	206.833														
Arsenic	189.042			-0.001417											
Barium	455.403														
Beryllium	313.042													-0.000218	
Boron	208.959			0.059366											
Cadmium	228.802										0.000000				
Calcium	317.933														
Chromium	267.716		0.000383												
Cobalt	228.616			-0.000899		0.000097					-0.000010			0.001792	
Copper	324.754														
Indium	230.606														
Iron	271.441														
Lead	220.353			-0.002232		0.000081					0.000105			-0.000738	
Lithium	670.784														
Magnesium	279.079														
Manganese	257.610														
Molybdenum	202.030														
Nickel	231.604														
Potassium	766.490														
Selenium	196.090		0.000720												
Silicon	288.158													0.016253	
Silver	328.068		0.000050	0.000165											
Sodium	589.592														
Strontium	407.771														
Sulfur	182.034														
Thallium	190.856		0.001277												
Tin	189.989													-0.002414	
Titanium	334.904														
Vanadium	292.402		-0.001200												

X-IN

10-IN
ICP-AES INTERELEMENT CORRECTION FACTORS
METALS

Lab Name: TestAmerica Buffalo Job Number: 480-18068-1

SDG No.:

ICP-AES Instrument ID: ICAP1 Date: 03/20/2012

Analyte	Wave Length	Mg	Mn	Mo	Na	Ni	Pb	S	Sb	Se	Si	Sn	Sr	Ti	Tl
Yttrium	224.306														
Zinc	206.200														

10-IN
ICP-AES INTERELEMENT CORRECTION FACTORS
METALS

Lab Name: TestAmerica Buffalo Job Number: 480-18068-1

SDG No.:

ICP-AES Instrument ID: ICAP1 Date: 03/20/2012

Analyte	Wave Length	V	Zn												
Aluminum	308.215														
Antimony	206.833														
Arsenic	189.042														
Barium	455.403														
Beryllium	313.042														
Boron	208.959														
Cadmium	228.802														
Calcium	317.933														
Chromium	267.716														
Cobalt	228.616														
Copper	324.754														
Indium	230.606														
Iron	271.441														
Lead	220.353														
Lithium	670.784														
Magnesium	279.079														
Manganese	257.610														
Molybdenum	202.030														
Nickel	231.604														
Potassium	766.490														
Selenium	196.090														
Silicon	288.158														
Silver	328.068														
Sodium	589.592														
Strontium	407.771														
Sulfur	182.034														
Thallium	190.856	0.000859													
Tin	189.989														
Titanium	334.904														
Vanadium	292.402														

X-IN

10-IN
ICP-AES INTERELEMENT CORRECTION FACTORS
METALS

Lab Name: TestAmerica Buffalo Job Number: 480-18068-1

SDG No.:

ICP-AES Instrument ID: ICAP1 Date: 03/20/2012

Analyte	Wave Length	V	Zn												
Yttrium	224.306														
Zinc	206.200														

11-IN
LINEAR RANGES
METALS

Lab Name: TestAmerica Buffalo Job No: 480-18068-1

SDG No.:

Instrument ID: ICAP1 Date: 03/20/2012 13:18

Analyte	Integ. Time (Sec.)	Concentration (mg/L)	Method
Aluminum	15	500	6010B
Antimony	15	50	6010B
Arsenic	15	20	6010B
Barium	15	10	6010B
Beryllium	15	5	6010B
Cadmium	15	15	6010B
Calcium	15	1000	6010B
Chromium	15	40	6010B
Cobalt	15	20	6010B
Copper	15	25	6010B
Iron	15	400	6010B
Lead	15	60	6010B
Magnesium	15	250	6010B
Manganese	15	20	6010B
Nickel	15	25	6010B
Potassium	15	600	6010B
Selenium	15	40	6010B
Silver	15	2	6010B
Sodium	15	5000	6010B
Thallium	15	40	6010B
Vanadium	15	25	6010B
Zinc	15	10	6010B

11-IN
LINEAR RANGES
METALS

Lab Name: TestAmerica Buffalo Job No: 480-18068-1

SDG No.:

Instrument ID: LEEMAN3 Date: 03/20/2012 10:08

Analyte	Integ. Time (Sec.)	Concentration (ug/L)	Method
Hg	10	10	7471A

12-IN
PREPARATION LOG
METALS

Lab Name: TestAmerica Buffalo Job No.: 480-18068-1

SDG No.:

Prep Method: 3050B

Lab Sample ID	Preparation Date	Prep Batch	Initial Weight (g)	Initial Volume	Final Volume (mL)
MB 480-58242/1-A	04/05/2012 10:00	58242	+0.5320		50
LCSSRM 480-58242/2-A	04/05/2012 10:00	58242	+0.4994		50
480-18068-1	04/05/2012 10:00	58242	+0.4775		50
480-18068-2	04/05/2012 10:00	58242	+0.4918		50
480-18068-3	04/05/2012 10:00	58242	+0.5209		50
480-18068-3 MS	04/05/2012 10:00	58242	+0.5211		50
480-18068-3 MSD	04/05/2012 10:00	58242	+0.5155		50
480-18068-4	04/05/2012 10:00	58242	+0.4712		50
480-18068-5	04/05/2012 10:00	58242	+0.4878		50
480-18068-6	04/05/2012 10:00	58242	+0.4759		50
480-18068-7	04/05/2012 10:00	58242	+0.5316		50
480-18068-8	04/05/2012 10:00	58242	+0.5218		50
480-18068-9	04/05/2012 10:00	58242	+0.5405		50
480-18068-10	04/05/2012 10:00	58242	+0.5248		50
480-18068-11	04/05/2012 10:00	58242	+0.4626		50
480-18068-12	04/05/2012 10:00	58242	+0.5007		50

12-IN
PREPARATION LOG
METALS

Lab Name: TestAmerica Buffalo Job No.: 480-18068-1

SDG No.:

Prep Method: 7471A

Lab Sample ID	Preparation Date	Prep Batch	Initial Weight (g)	Initial Volume	Final Volume (mL)
MB 480-58215/1-A	04/05/2012 07:55	58215	+0.6430		50
LCSSRM 480-58215/2-A	04/05/2012 07:55	58215	+0.0533		50
480-18068-1	04/05/2012 07:55	58215	+0.6116		50
480-18068-1 MS	04/05/2012 07:55	58215	+0.5815		50
480-18068-1 MSD	04/05/2012 07:55	58215	+0.5927		50
480-18068-2	04/05/2012 07:55	58215	+0.6201		50
480-18068-3	04/05/2012 07:55	58215	+0.6636		50
480-18068-4	04/05/2012 07:55	58215	+0.6537		50
480-18068-5	04/05/2012 07:55	58215	+0.6485		50
480-18068-6	04/05/2012 07:55	58215	+0.6008		50
480-18068-7	04/05/2012 07:55	58215	+0.5943		50
480-18068-8	04/05/2012 07:55	58215	+0.5839		50
480-18068-9	04/05/2012 07:55	58215	+0.5876		50
480-18068-10	04/05/2012 07:55	58215	+0.6498		50
480-18068-11	04/05/2012 07:55	58215	+0.6165		50
480-18068-12	04/05/2012 07:55	58215	+0.5906		50

13-IN
ANALYSIS RUN LOG
METALS

Lab Name: TestAmerica Buffalo Job No.: 480-18068-1

SDG No.:

Instrument ID: ICAP1 Method: 6010B

Start Date: 04/05/2012 15:09 End Date: 04/05/2012 20:14

Lab Sample ID	D/F	Type	Time	Analytes																			
				Ag	Al	As	Ba	Be	Ca	Cd	Co	Cr	Cu	Fe	K	Mg	Mn	Na	Ni	Pb	Sb	Se	Tl
IC 480-58450/1			15:09	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
IC 480-58450/2			15:11	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
IC 480-58450/3			15:14	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
IC 480-58450/4			15:16	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
ICV 480-58450/5	1		15:18	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
ICB 480-58450/6	1		15:21	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
CRI 480-58450/7	1		15:23	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
ICSA 480-58450/8	1		15:25	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
ICSAB 480-58450/9	1		15:28	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
CCV 480-58450/10			15:30																				
CCB 480-58450/11			15:32																				
CCV 480-58450/12	1		19:02	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
CCB 480-58450/13	1		19:04	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
MB 480-58242/1-A	1	T	19:11	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
LCSSRM 480-58242/2-A	1	T	19:13	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
480-18068-1	1	T	19:16	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
480-18068-2	1	T	19:18	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
480-18068-3	1	T	19:21	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
480-18068-3 SD	5	T	19:23	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
480-18068-3 PDS	1	T	19:25	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
480-18068-3 MS	1	T	19:28	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
CCV 480-58450/22	1		19:30	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
CCB 480-58450/23	1		19:32	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
480-18068-3 MSD	1	T	19:35	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
480-18068-4	1	T	19:37	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
480-18068-5	1	T	19:39	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
480-18068-6	1	T	19:42	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
480-18068-7	1	T	19:44	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
480-18068-8	1	T	19:47	X	X	X	X	X	X	X	X	X	X		X	X	X	X	X	X	X	X	X
480-18068-9	1	T	19:49	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
480-18068-10	1	T	19:51	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
480-18068-11	1	T	19:53	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X		X	X	X
480-18068-12	1	T	19:56	X	X	X	X	X	X	X	X	X	X		X	X	X	X	X	X	X	X	X
CCV 480-58450/34	1		19:58	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
CCB 480-58450/35	1		20:01	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
ZZZZZZ			20:03																				
ZZZZZZ			20:05																				
ZZZZZZ			20:07																				
CCV 480-58450/39			20:12																				
CCB 480-58450/40			20:14																				

13-IN
ANALYSIS RUN LOG
METALS

Lab Name: TestAmerica Buffalo Job No.: 480-18068-1

SDG No.:

Instrument ID: ICAP1 Method: 6010B

Start Date: 04/05/2012 15:09 End Date: 04/05/2012 20:14

Lab Sample ID	D / F	Type	Time	Analytes																			
				V	Zn																		
IC 480-58450/1			15:09	X	X																		
IC 480-58450/2			15:11	X	X																		
IC 480-58450/3			15:14	X	X																		
IC 480-58450/4			15:16	X	X																		
ICV 480-58450/5	1		15:18	X	X																		
ICB 480-58450/6	1		15:21	X	X																		
CRI 480-58450/7	1		15:23	X	X																		
ICSA 480-58450/8	1		15:25	X	X																		
ICSAB 480-58450/9	1		15:28	X	X																		
CCV 480-58450/10			15:30																				
CCB 480-58450/11			15:32																				
CCV 480-58450/12	1		19:02	X	X																		
CCB 480-58450/13	1		19:04	X	X																		
MB 480-58242/1-A	1	T	19:11	X	X																		
LCSSRM 480-58242/2-A	1	T	19:13	X	X																		
480-18068-1	1	T	19:16	X	X																		
480-18068-2	1	T	19:18	X	X																		
480-18068-3	1	T	19:21	X	X																		
480-18068-3 SD	5	T	19:23	X	X																		
480-18068-3 PDS	1	T	19:25	X	X																		
480-18068-3 MS	1	T	19:28	X	X																		
CCV 480-58450/22	1		19:30	X	X																		
CCB 480-58450/23	1		19:32	X	X																		
480-18068-3 MSD	1	T	19:35	X	X																		
480-18068-4	1	T	19:37	X	X																		
480-18068-5	1	T	19:39	X	X																		
480-18068-6	1	T	19:42	X	X																		
480-18068-7	1	T	19:44	X	X																		
480-18068-8	1	T	19:47	X	X																		
480-18068-9	1	T	19:49	X	X																		
480-18068-10	1	T	19:51	X	X																		
480-18068-11	1	T	19:53	X	X																		
480-18068-12	1	T	19:56	X	X																		
CCV 480-58450/34	1		19:58	X	X																		
CCB 480-58450/35	1		20:01	X	X																		
ZZZZZZ			20:03																				
ZZZZZZ			20:05																				
ZZZZZZ			20:07																				
CCV 480-58450/39			20:12																				
CCB 480-58450/40			20:14																				

13-IN
ANALYSIS RUN LOG
METALS

Lab Name: TestAmerica Buffalo Job No.: 480-18068-1

SDG No.:

Instrument ID: ICAP1 Method: 6010B

Start Date: 04/05/2012 15:09 End Date: 04/05/2012 20:14

Prep Types
T = Total/NA

13-IN
ANALYSIS RUN LOG
METALS

Lab Name: TestAmerica Buffalo Job No.: 480-18068-1

SDG No.:

Instrument ID: ICAP1 Method: 6010B

Start Date: 04/09/2012 15:24 End Date: 04/09/2012 19:44

Lab Sample ID	D / F	Type	Time	Analytes																			
				Fe	Pb																		
IC 480-58892/1			15:24	X	X																		
IC 480-58892/2			15:26	X	X																		
IC 480-58892/3			15:29	X	X																		
IC 480-58892/4			15:31	X	X																		
ICV 480-58892/5	1		15:33	X	X																		
ICB 480-58892/6	1		15:36	X	X																		
CRI 480-58892/7	1		15:38	X	X																		
ICSA 480-58892/8	1		15:40	X	X																		
ICSAB 480-58892/9	1		15:43	X	X																		
CCV 480-58892/10			15:45																				
CCB 480-58892/11			15:47																				
CCV 480-58892/12	1		18:45	X	X																		
CCB 480-58892/13	1		18:48	X	X																		
480-18068-8	5	T	19:11	X																			
CCV 480-58892/15	1		19:14	X	X																		
CCB 480-58892/16	1		19:16	X	X																		
480-18068-11	5	T	19:19		X																		
480-18068-12	5	T	19:21	X																			
CCV 480-58892/19	1		19:42	X	X																		
CCB 480-58892/20	1		19:44	X	X																		

Prep Types

T = Total/NA

13-IN
ANALYSIS RUN LOG
METALS

Lab Name: TestAmerica Buffalo Job No.: 480-18068-1

SDG No.:

Instrument ID: LEEMAN3 Method: 7471A

Start Date: 04/05/2012 11:26 End Date: 04/05/2012 12:40

Lab Sample ID	D/F	Type	Time	Analytes																			
				Hg																			
ICV 480-58512/1	1		11:26	X																			
ICB 480-58512/2	1		11:27	X																			
CRA 480-58512/3	1		11:29	X																			
CCV 480-58512/4	1		11:30	X																			
CCB 480-58512/5	1		11:31	X																			
MB 480-58215/1-A	1	T	11:33	X																			
LCSSRM 480-58215/2-A	1	T	11:34	X																			
ZZZZZZ			11:36																				
ZZZZZZ			11:37																				
ZZZZZZ			11:38																				
ZZZZZZ			11:39																				
480-18068-1	1	T	11:41	X																			
480-18068-1 SD	5	T	11:42	X																			
480-18068-1 MS	1	T	11:43	X																			
480-18068-1 MSD	1	T	11:44	X																			
CCV 480-58512/16	1		11:45	X																			
CCB 480-58512/17	1		11:47	X																			
480-18068-2	1	T	11:48	X																			
480-18068-3	1	T	11:50	X																			
480-18068-4	1	T	11:51	X																			
480-18068-5	1	T	11:52	X																			
480-18068-6	1	T	11:54	X																			
480-18068-7	1	T	11:55	X																			
480-18068-8	1	T	11:56	X																			
480-18068-9	1	T	11:57	X																			
ZZZZZZ			11:58																				
ZZZZZZ			11:59																				
CCV 480-58512/28	1		12:03	X																			
CCB 480-58512/29	1		12:04	X																			
ZZZZZZ			12:05																				
ZZZZZZ			12:06																				
ZZZZZZ			12:07																				
ZZZZZZ			12:08																				
CCV 480-58512/34	1		12:09	X																			
CCB 480-58512/35	1		12:11	X																			
480-18068-10	10	T	12:35	X																			
480-18068-11	10	T	12:37	X																			
480-18068-12	10	T	12:38	X																			
CCV 480-58512/39	1		12:39	X																			
CCB 480-58512/40	1		12:40	X																			

13-IN
ANALYSIS RUN LOG
METALS

Lab Name: TestAmerica Buffalo Job No.: 480-18068-1

SDG No.:

Instrument ID: LEEMAN3 Method: 7471A

Start Date: 04/05/2012 11:26 End Date: 04/05/2012 12:40

Prep Types
T = Total/NA

Run File: I1040512A

Instrument: ICAP 1

MDM 4/6/12

Analyst: MDM

Data Review: 4/6/12

Spikes IDs: 421747, 425565, 635129(Sn), 517428(Ag), 226744(TCLP), 517430(Si)
Pipette IDs: 01-20-12-(1-7,8,10,13,14)
Internal Standard: 654281

Seq#	Run File ID	Sample ID	Date / Time		Type
1	I1040512A	IC-665389	4/5/2012	3:09:01PM	Standard
2	I1040512A	IC-655655	4/5/2012	3:11:46PM	Standard
3	I1040512A	IC-655654	4/5/2012	3:14:11PM	Standard
4	I1040512A	IC-655653	4/5/2012	3:16:28PM	Standard
5	I1040512A	ICV-662363	4/5/2012	3:18:50PM	QC
6	I1040512A	ICB-665389	4/5/2012	3:21:08PM	QC
7	I1040512A	CRI-649194	4/5/2012	3:23:31PM	QC
8	I1040512A	ICSA-659146	4/5/2012	3:25:53PM	QC
9	I1040512A	ICSAB-662364	4/5/2012	3:28:12PM	QC
10	I1040512A	CCV-665391	4/5/2012	3:30:26PM	QC
11	I1040512A	CCB-665389	4/5/2012	3:32:43PM	QC
12	I1040512A	480-17223-B-1-A@20	4/5/2012	3:35:04PM	Unknown
13	I1040512A	480-17223-B-2-A@20	4/5/2012	3:37:28PM	Unknown
14	I1040512A	480-17223-B-3-A@20	4/5/2012	3:39:55PM	Unknown
15	I1040512A	CCV	4/5/2012	3:42:24PM	QC
16	I1040512A	CCB	4/5/2012	3:44:41PM	QC
17	I1040512A	17223-B-3-A SD@100	4/5/2012	3:47:05PM	Unknown
18	I1040512A	17223-B-3-A PDS	4/5/2012	3:49:24PM	Unknown
19	I1040512A	17223-B-3-C MS@20	4/5/2012	3:51:51PM	Unknown
20	I1040512A	17223-B-3-D MSD@20	4/5/2012	3:54:15PM	Unknown
21	I1040512A	MB 480-57318/27-B	4/5/2012	3:56:41PM	Unknown
22	I1040512A	LCS 480-57318/28-B	4/5/2012	3:59:04PM	Unknown
23	I1040512A	480-18037-A-1-A	4/5/2012	4:01:25PM	Unknown
24	I1040512A	480-18037-A-2-A	4/5/2012	4:03:54PM	Unknown
25	I1040512A	480-18037-A-3-A	4/5/2012	4:06:12PM	Unknown
26	I1040512A	480-18037-A-3-A SD@5	4/5/2012	4:08:29PM	Unknown
27	I1040512A	CCV	4/5/2012	4:10:51PM	QC
28	I1040512A	CCB	4/5/2012	4:13:09PM	QC
29	I1040512A	480-18037-A-3-A PDS	4/5/2012	4:15:34PM	Unknown
30	I1040512A	480-18037-A-3-B MS	4/5/2012	4:17:56PM	Unknown
31	I1040512A	480-18037-A-3-C MSD	4/5/2012	4:20:17PM	Unknown
32	I1040512A	480-18037-A-4-A	4/5/2012	4:22:38PM	Unknown
33	I1040512A	480-18037-A-5-A	4/5/2012	4:24:55PM	Unknown
34	I1040512A	480-18037-A-6-A	4/5/2012	4:27:19PM	Unknown
35	I1040512A	480-18037-A-7-A	4/5/2012	4:29:45PM	Unknown
36	I1040512A	480-18037-A-8-A	4/5/2012	4:32:05PM	Unknown
37	I1040512A	480-18037-A-9-A	4/5/2012	4:34:31PM	Unknown
38	I1040512A	480-18040-B-1-A	4/5/2012	4:36:52PM	Unknown
39	I1040512A	CCV	4/5/2012	4:39:13PM	QC
40	I1040512A	CCB	4/5/2012	4:41:28PM	QC
41	I1040512A	480-18040-B-2-A	4/5/2012	4:43:52PM	Unknown

42	I1040512A	480-18040-B-3-A	4/5/2012	4:46:15PM	Unknown
43	I1040512A	480-18040-B-4-A	4/5/2012	4:48:38PM	Unknown
44	I1040512A	480-18040-B-5-A	4/5/2012	4:50:58PM	Unknown
45	I1040512A	480-18040-B-6-A	4/5/2012	4:53:17PM	Unknown
46	I1040512A	480-18040-B-7-A	4/5/2012	4:55:35PM	Unknown
47	I1040512A	480-18040-B-8-A	4/5/2012	4:58:01PM	Unknown
48	I1040512A	MB 480-58146/1-B	4/5/2012	5:00:21PM	Unknown
49	I1040512A	LCS 480-58146/2-B	4/5/2012	5:02:42PM	Unknown
50	I1040512A	480-18062-B-1-A	4/5/2012	5:04:59PM	Unknown
51	I1040512A	CCV	4/5/2012	5:07:23PM	QC
52	I1040512A	CCB	4/5/2012	5:09:39PM	QC
53	I1040512A	480-18062-B-2-A	4/5/2012	5:12:03PM	Unknown
54	I1040512A	480-18062-B-3-A	4/5/2012	5:14:32PM	Unknown
55	I1040512A	480-18062-B-3-A SD@5	4/5/2012	5:17:01PM	Unknown
56	I1040512A	480-18062-B-3-A PDS	4/5/2012	5:19:26PM	Unknown
57	I1040512A	480-18062-B-3-B MS	4/5/2012	5:21:56PM	Unknown
58	I1040512A	480-18062-B-3-C MSD	4/5/2012	5:24:27PM	Unknown
59	I1040512A	480-18062-B-4-A	4/5/2012	5:26:56PM	Unknown
60	I1040512A	480-18062-B-5-A	4/5/2012	5:29:28PM	Unknown
61	I1040512A	480-18062-B-6-A	4/5/2012	5:31:58PM	Unknown
62	I1040512A	480-18062-B-7-A	4/5/2012	5:34:26PM	Unknown
63	I1040512A	CCV	4/5/2012	5:36:47PM	QC
64	I1040512A	CCB	4/5/2012	5:39:05PM	QC
65	I1040512A	480-18062-B-8-A	4/5/2012	5:41:29PM	Unknown
66	I1040512A	480-18062-B-9-A	4/5/2012	5:43:52PM	Unknown
67	I1040512A	480-18062-B-10-A	4/5/2012	5:46:16PM	Unknown
68	I1040512A	480-18062-B-11-A	4/5/2012	5:48:38PM	Unknown
69	I1040512A	480-18062-B-12-A	4/5/2012	5:51:02PM	Unknown
70	I1040512A	480-18062-B-13-A	4/5/2012	5:53:32PM	Unknown
71	I1040512A	480-18062-B-14-A	4/5/2012	5:56:02PM	Unknown
72	I1040512A	480-18065-A-2-A	4/5/2012	5:58:22PM	Unknown
73	I1040512A	480-18065-A-3-A	4/5/2012	6:00:43PM	Unknown
74	I1040512A	480-18065-A-4-A	4/5/2012	6:03:02PM	Unknown
75	I1040512A	CCV	4/5/2012	6:05:22PM	QC
76	I1040512A	CCB	4/5/2012	6:07:39PM	QC
77	I1040512A	480-18065-A-5-A	4/5/2012	6:10:03PM	Unknown
78	I1040512A	480-18065-A-6-A	4/5/2012	6:12:22PM	Unknown
79	I1040512A	480-18010-A-5-B@5	4/5/2012	6:14:43PM	Unknown
80	I1040512A	480-18010-A-7-B@5	4/5/2012	6:17:03PM	Unknown
81	I1040512A	480-18010-A-8-B@5	4/5/2012	6:19:22PM	Unknown
82	I1040512A	480-18010-A-9-B@5	4/5/2012	6:21:40PM	Unknown
83	I1040512A	480-17999-C-23-A@5	4/5/2012	6:23:59PM	Unknown
84	I1040512A	480-17990-E-7-A	4/5/2012	6:26:21PM	Unknown
85	I1040512A	480-17990-E-7-A@5	4/5/2012	6:28:40PM	Unknown
86	I1040512A	480-17990-7 TOT RAW	4/5/2012	6:31:02PM	Unknown
87	I1040512A	CCV	4/5/2012	6:33:26PM	QC
88	I1040512A	CCB	4/5/2012	6:35:43PM	QC
89	I1040512A	480-17969-4 TOT RAW	4/5/2012	6:38:08PM	Unknown
90	I1040512A	480-17969-5 TOT RAW	4/5/2012	6:40:25PM	Unknown
91	I1040512A	480-17974-2 TOT RAW	4/5/2012	6:42:43PM	Unknown

92	I1040512A	LB 480-58120/1-B	4/5/2012	6:45:07PM	Unknown
93	I1040512A	MB 480-58248/2-A	4/5/2012	6:47:34PM	Unknown
94	I1040512A	LCS 480-58248/3-A	4/5/2012	6:49:57PM	Unknown
95	I1040512A	480-17984-C-1-E	4/5/2012	6:52:23PM	Unknown
96	I1040512A	480-17986-B-1-B	4/5/2012	6:54:46PM	Unknown
97	I1040512A	480-17986-B-1-B SD@5	4/5/2012	6:57:12PM	Unknown
98	I1040512A	480-17986-B-1-B PDS	4/5/2012	6:59:39PM	Unknown
99	I1040512A	CCV	4/5/2012	7:02:06PM	QC
100	I1040512A	CCB	4/5/2012	7:04:22PM	QC
101	I1040512A	480-17986-B-1-C MS	4/5/2012	7:06:46PM	Unknown
102	I1040512A	480-17986-B-1-D MSD	4/5/2012	7:09:10PM	Unknown
103	I1040512A	MB 480-58242/1-A	4/5/2012	7:11:34PM	Unknown
104	I1040512A	LCSSRM 480-58242/2-A	4/5/2012	7:13:55PM	Unknown
105	I1040512A	480-18068-C-1-D	4/5/2012	7:16:16PM	Unknown
106	I1040512A	480-18068-C-2-B	4/5/2012	7:18:39PM	Unknown
107	I1040512A	480-18068-C-3-A	4/5/2012	7:21:05PM	Unknown
108	I1040512A	480-18068-C-3-A SD@5	4/5/2012	7:23:28PM	Unknown
109	I1040512A	480-18068-C-3-A PDS	4/5/2012	7:25:47PM	Unknown
110	I1040512A	480-18068-C-3-B MS	4/5/2012	7:28:08PM	Unknown
111	I1040512A	CCV	4/5/2012	7:30:33PM	QC
112	I1040512A	CCB	4/5/2012	7:32:50PM	QC
113	I1040512A	480-18068-C-3-C MSD	4/5/2012	7:35:14PM	Unknown
114	I1040512A	480-18068-C-4-A	4/5/2012	7:37:35PM	Unknown
115	I1040512A	480-18068-C-5-A	4/5/2012	7:39:57PM	Unknown
116	I1040512A	480-18068-C-6-B	4/5/2012	7:42:19PM	Unknown
117	I1040512A	480-18068-C-7-A	4/5/2012	7:44:45PM	Unknown
118	I1040512A	480-18068-C-8-A	4/5/2012	7:47:04PM	Unknown
119	I1040512A	480-18068-C-9-A	4/5/2012	7:49:19PM	Unknown
120	I1040512A	480-18068-C-10-B	4/5/2012	7:51:35PM	Unknown
121	I1040512A	480-18068-C-11-A	4/5/2012	7:53:54PM	Unknown
122	I1040512A	480-18068-C-12-A	4/5/2012	7:56:17PM	Unknown
123	I1040512A	CCV	4/5/2012	7:58:45PM	QC
124	I1040512A	CCB	4/5/2012	8:01:07PM	QC
125	I1040512A	480-18071-A-1-B	4/5/2012	8:03:30PM	Unknown
126	I1040512A	480-18071-A-2-B	4/5/2012	8:05:44PM	Unknown
127	I1040512A	480-18107-A-1-B	4/5/2012	8:07:56PM	Unknown
128	I1040512A	Cr MB CHECK A6	4/5/2012	8:10:13PM	Unknown
129	I1040512A	CCV	4/5/2012	8:12:32PM	QC
130	I1040512A	CCB	4/5/2012	8:14:54PM	QC

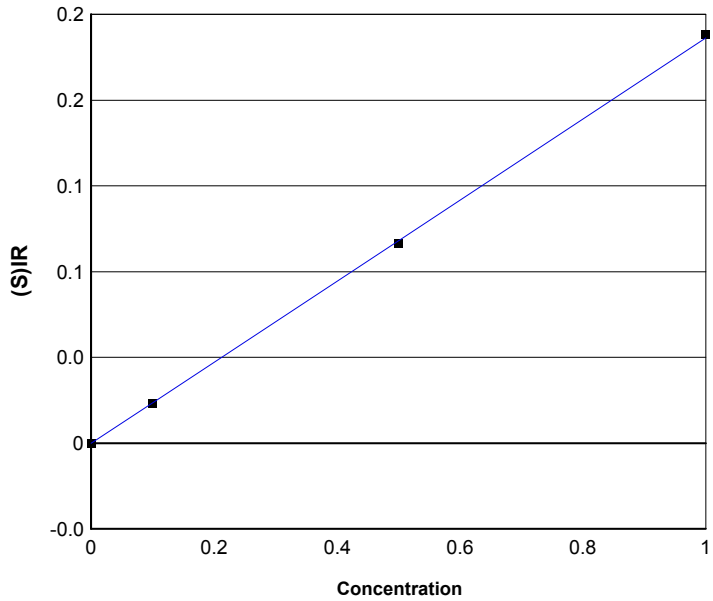
I1040512A

Author: MDM

Published: 4/6/2012 9:05:03AM

Instrument Name: ICAP 1 Serial Number: 20094603

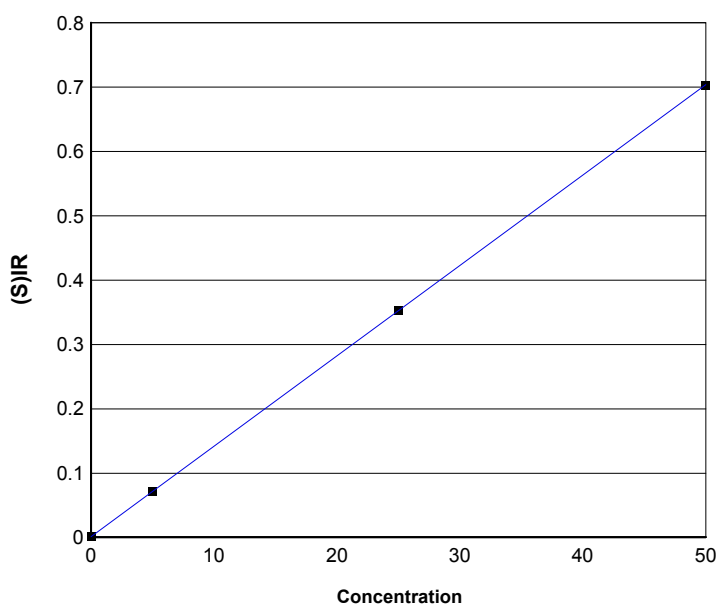
Method Name: ICAP1 (261)



Element Name:	Ag
Element Wavelength:	Ag 328.068 nm
Concentration Units:	ppm
Date of Calibration:	4/5/2012 3:18:44PM
Date of Fit:	4/5/2012 3:18:44PM
Type of Fit:	Linear
Correlation:	0.99995
A0 (Offset):	-0.000075598
A1 (Gain):	0.18916
A2 (Curvature):	0.00000
n (Exponent):	1.0000

Reslope		QC Normalize	
Slope:	1.0000	**Slope factor:**	1.0000
Y Int:	0.00000	**Offset:**	0.00000

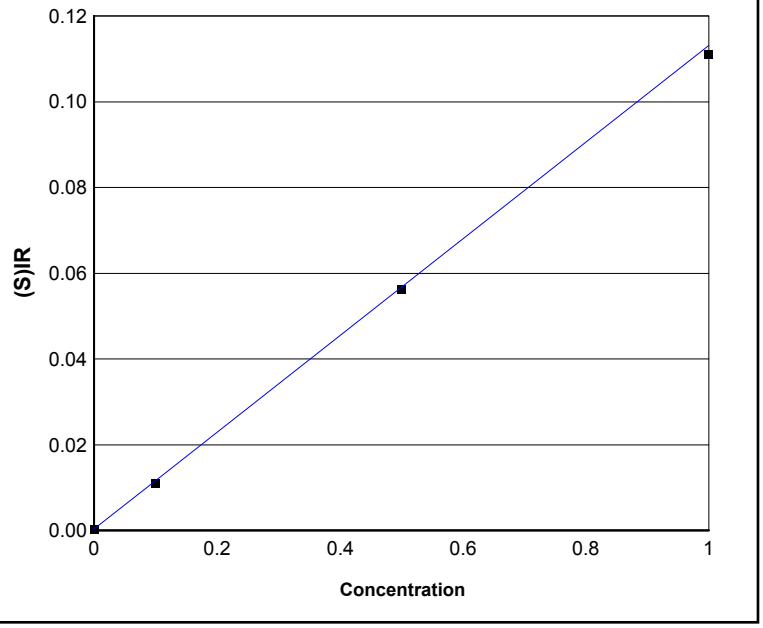
Standard Name	Stated	Found	Diff	% Diff	(S)IR	Stddev	Emphasis
IC1	0.00000	0.0000000000	0.0000022096	0.00000	-0.000075180	0.00017384	1
IC4	1.0000	1.0100	0.0076536	0.76536	0.19057	0.00096791	1
IC2	0.10000	0.100000	-0.0018052	-1.8052	0.018503	0.00010353	1
IC3	0.50000	0.49000	-0.0058484	-1.1697	0.093417	0.00014240	1



Element Name:	Al
Element Wavelength:	Al 308.215 nm
Concentration Units:	ppm
Date of Calibration:	4/5/2012 3:18:44PM
Date of Fit:	4/5/2012 3:18:44PM
Type of Fit:	Linear
Correlation:	1.00000
A0 (Offset):	0.0010043
A1 (Gain):	0.014058
A2 (Curvature):	0.00000
n (Exponent):	1.0000

Reslope		QC Normalize	
Slope:	1.0000	**Slope factor:**	1.0000
Y Int:	0.00000	**Offset:**	0.00000

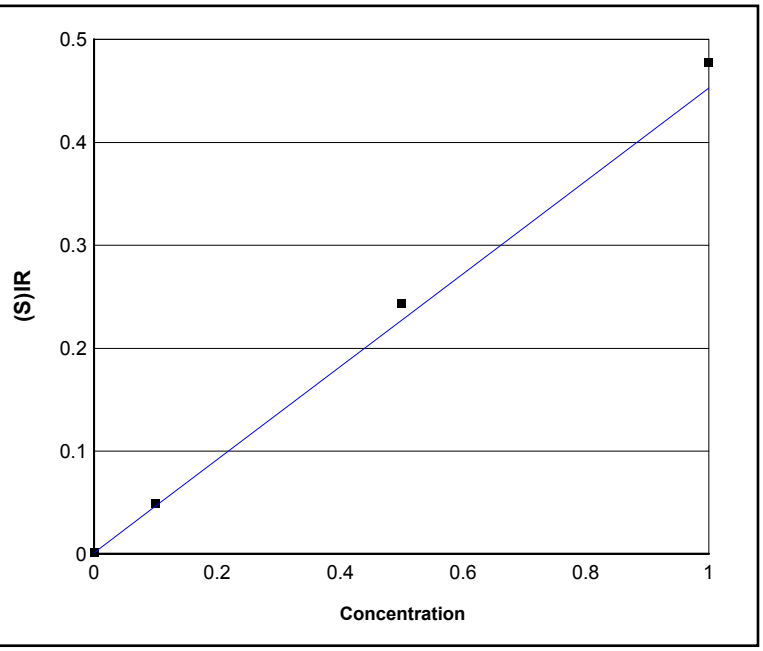
Standard Name	Stated	Found	Diff	% Diff	(S)IR	Stddev	Emphasis
IC1	0.00000	0.000000000	-0.000018580	0.00000	0.0010040	0.00024834	1
IC4	50.000	49.930	-0.066806	-0.13361	0.70299	0.0094323	1
IC2	5.0000	5.0100	0.014874	0.29748	0.071506	0.0011714	1
IC3	25.000	25.050	0.051932	0.20773	0.35320	0.0013460	1



Element Name:	As
Element Wavelength:	As 189.042 nm
Concentration Units:	ppm
Date of Calibration:	4/5/2012 3:18:44PM
Date of Fit:	4/5/2012 3:18:44PM
Type of Fit:	Linear
Correlation:	0.99995
A0 (Offset):	0.00033447
A1 (Gain):	0.11285
A2 (Curvature):	0.00000
n (Exponent):	1.0000

Reslope		QC Normalize	
Slope:	1.0000	**Slope factor:**	1.0000
Y Int:	0.00000	**Offset:**	0.00000

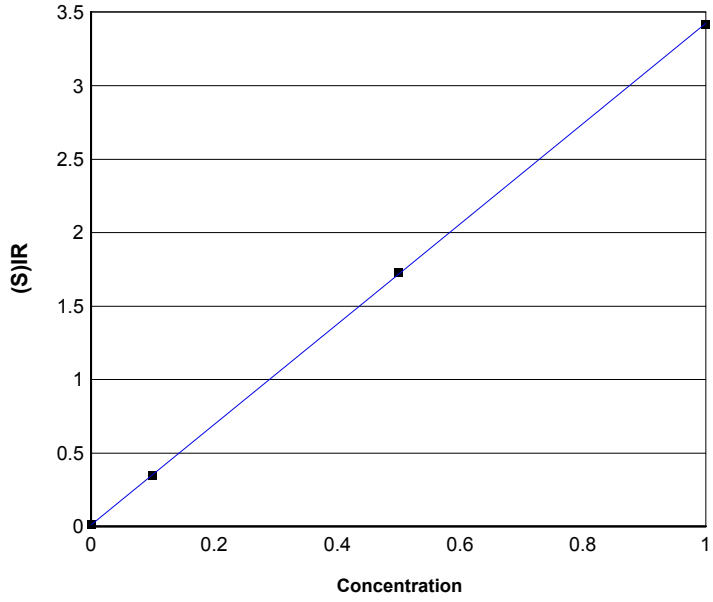
Standard Name	Stated	Found	Diff	% Diff	(S)IR	Stddev	Emphasis
IC1	0.00000	0.0000000000	0.0000028960	0.00000	0.00033480	0.0000031630	1
IC4	1.0000	1.00000	-0.000025837	-0.0025837	0.11118	0.00042206	1
IC2	0.10000	0.100000	-0.0036232	-3.6232	0.011010	0.00014896	1
IC3	0.50000	0.50000	0.0036490	0.72980	0.056171	0.0011834	1



Element Name:	B
Element Wavelength:	B 208.959 nm
Concentration Units:	ppm
Date of Calibration:	4/5/2012 3:18:44PM
Date of Fit:	4/5/2012 3:18:44PM
Type of Fit:	Linear
Correlation:	0.99997
A0 (Offset):	0.0013207
A1 (Gain):	0.45149
A2 (Curvature):	0.00000
n (Exponent):	1.0000

Reslope		QC Normalize	
Slope:	1.0000	**Slope factor:**	1.0000
Y Int:	0.00000	**Offset:**	0.00000

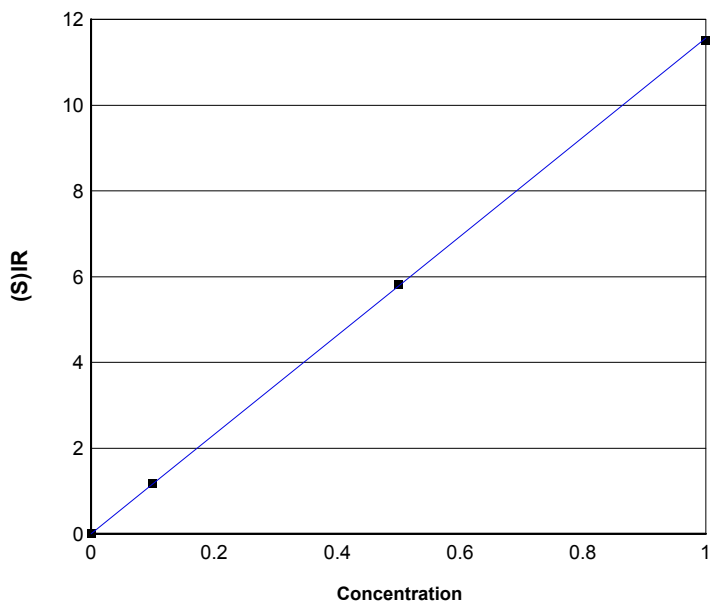
Standard Name	Stated	Found	Diff	% Diff	(S)IR	Stddev	Emphasis
IC1	0.00000	0.0000000000	0.0000001210	0.00000	0.0013208	0.00030406	1
IC4	1.0000	0.99000	-0.0051235	-0.51235	0.47730	0.0037330	1
IC2	0.10000	0.100000	-0.00079172	-0.79172	0.048793	0.00017209	1
IC3	0.50000	0.51000	0.0059152	1.1830	0.24314	0.0037492	1



Element Name:	Ba
Element Wavelength:	Ba 455.403 nm
Concentration Units:	ppm
Date of Calibration:	4/5/2012 3:18:44PM
Date of Fit:	4/5/2012 3:18:44PM
Type of Fit:	Linear
Correlation:	0.99999
A0 (Offset):	0.011058
A1 (Gain):	3.4123
A2 (Curvature):	0.00000
n (Exponent):	1.0000

Reslope		QC Normalize	
Slope:	1.0000	**Slope factor:**	1.0000
Y Int:	0.00000	**Offset:**	0.00000

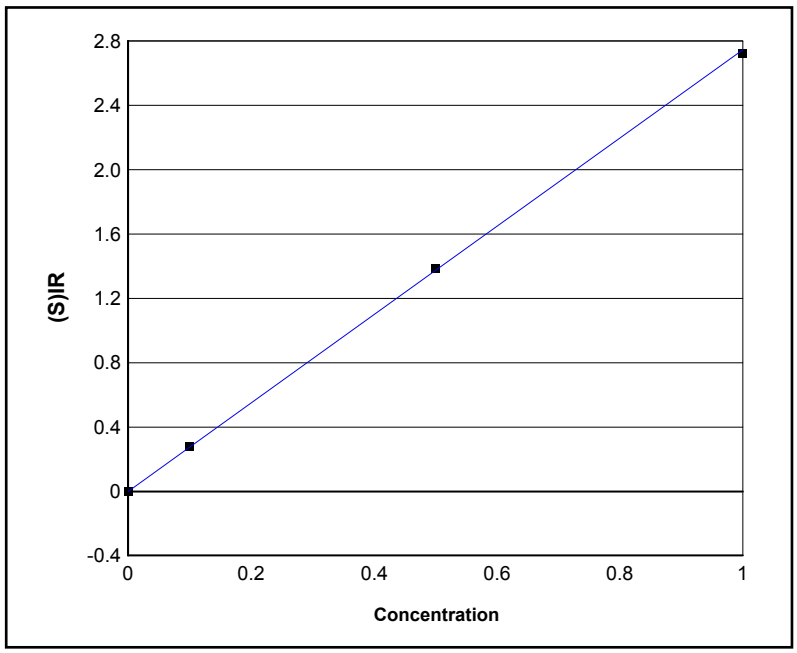
Standard Name	Stated	Found	Diff	% Diff	(S)IR	Stddev	Emphasis
IC1	0.00000	0.0000000000	0.0000000200	0.00000	0.011058	0.00050480	1
IC4	1.0000	1.00000	-0.0025820	-0.25820	3.4145	0.056083	1
IC2	0.10000	0.100000	-0.00034773	-0.34773	0.35110	0.0037449	1
IC3	0.50000	0.50000	0.0029297	0.58594	1.7272	0.0029448	1



Element Name:	Ba
Element Wavelength:	Ba 455.403 nm
Concentration Units:	ppm
Date of Calibration:	4/5/2012 3:18:44PM
Date of Fit:	4/5/2012 3:18:44PM
Type of Fit:	Linear
Correlation:	0.99997
A0 (Offset):	0.0035847
A1 (Gain):	11.562
A2 (Curvature):	0.00000
n (Exponent):	1.0000

Reslope		QC Normalize	
Slope:	1.0000	**Slope factor:**	1.0000
Y Int:	0.00000	**Offset:**	0.00000

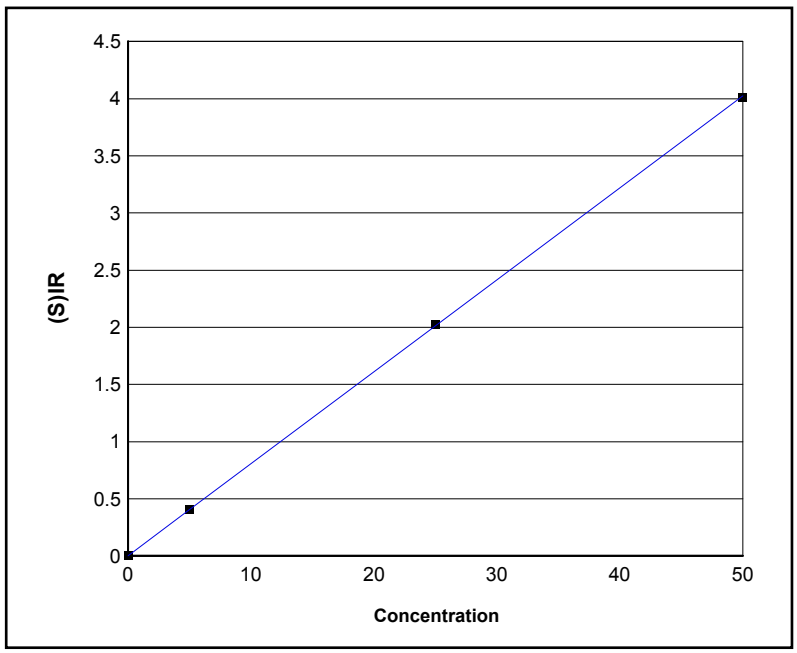
Standard Name	Stated	Found	Diff	% Diff	(S)IR	Stddev	Emphasis
IC1	0.00000	0.0000000000	-0.0000023286	0.00000	0.0035577	0.00044126	1
IC4	1.0000	0.99000	-0.0059634	-0.59634	11.497	0.065742	1
IC2	0.10000	0.10000	0.0021654	2.1654	1.1848	0.010329	1
IC3	0.50000	0.50000	0.0037980	0.75961	5.8285	0.037157	1



Element Name:	Be
Element Wavelength:	Be 313.042 nm
Concentration Units:	ppm
Date of Calibration:	4/5/2012 3:18:44PM
Date of Fit:	4/5/2012 3:18:44PM
Type of Fit:	Linear
Correlation:	0.99995
A0 (Offset):	-0.00021994
A1 (Gain):	2.7453
A2 (Curvature):	0.00000
n (Exponent):	1.0000

Reslope		QC Normalize	
Slope:	1.0000	**Slope factor:**	1.0000
Y Int:	0.00000	**Offset:**	0.00000

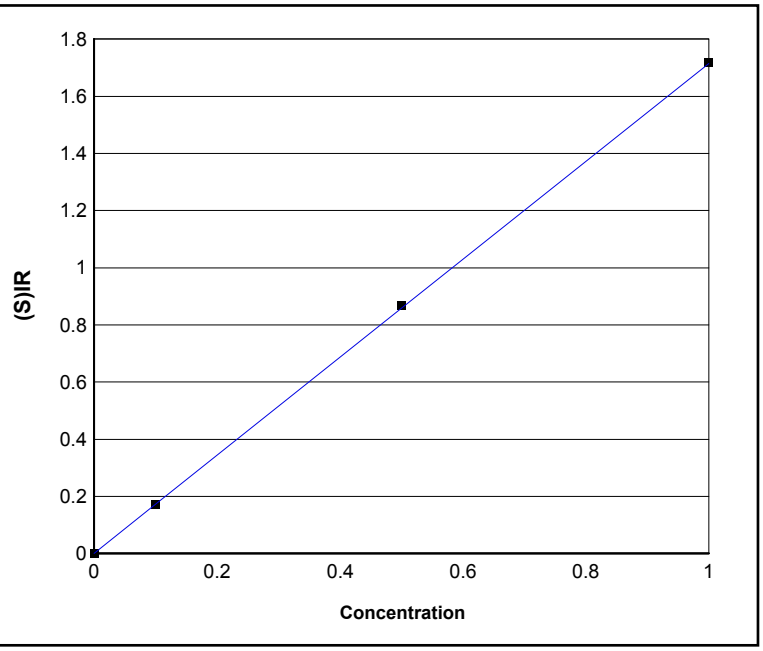
Standard Name	Stated	Found	Diff	% Diff	(S)IR	Stddev	Emphasis
IC1	0.00000	0.0000000000	-0.0000025076	0.00000	-0.00022683	0.00043507	1
IC4	1.0000	0.99000	-0.0075714	-0.75714	2.7237	0.034181	1
IC2	0.10000	0.10000	0.0021881	2.1881	0.28026	0.0029297	1
IC3	0.50000	0.51000	0.0053833	1.0767	1.3869	0.0027818	1



Element Name:	Ca
Element Wavelength:	Ca 317.933 nm
Concentration Units:	ppm
Date of Calibration:	4/5/2012 3:18:44PM
Date of Fit:	4/5/2012 3:18:44PM
Type of Fit:	Linear
Correlation:	0.99998
A0 (Offset):	0.0035925
A1 (Gain):	0.080418
A2 (Curvature):	0.00000
n (Exponent):	1.0000

Reslope		QC Normalize	
Slope:	1.0000	**Slope factor:**	1.0000
Y Int:	0.00000	**Offset:**	0.00000

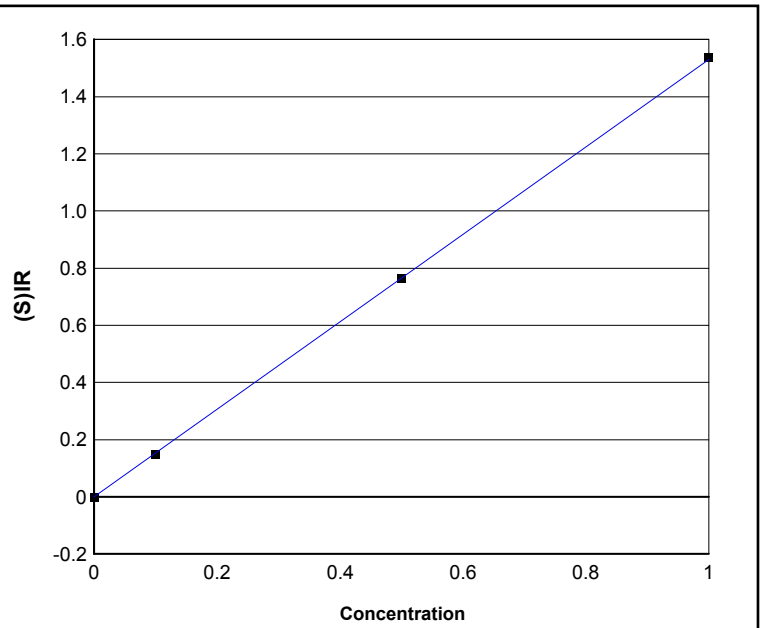
Standard Name	Stated	Found	Diff	% Diff	(S)IR	Stddev	Emphasis
IC1	0.00000	0.000000000	-0.000071630	0.00000	0.0035867	0.00028158	1
IC4	50.000	49.770	-0.22795	-0.45590	4.0062	0.051095	1
IC2	5.0000	5.0600	0.061043	1.2209	0.41059	0.0030536	1
IC3	25.000	25.170	0.16691	0.66763	2.0275	0.0024212	1



Element Name:	Cd
Element Wavelength:	Cd 228.802 nm
Concentration Units:	ppm
Date of Calibration:	4/5/2012 3:18:44PM
Date of Fit:	4/5/2012 3:18:44PM
Type of Fit:	Linear
Correlation:	0.99999
A0 (Offset):	0.0014965
A1 (Gain):	1.7137
A2 (Curvature):	0.00000
n (Exponent):	1.0000

Reslope		**QC Normalize**	
Slope:	1.0000	**Slope factor:**	1.0000
Y Int:	0.00000	**Offset:**	0.00000

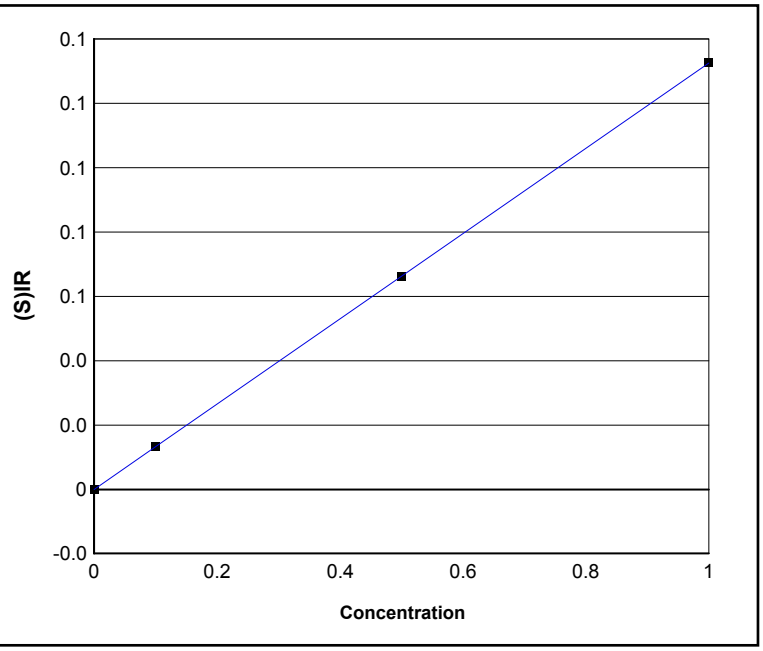
Standard Name	Stated	Found	Diff	% Diff	(S)IR	Stddev	Emphasis
IC1	0.00000	0.0000000000	0.0000003860	0.00000	0.0014972	0.00019390	1
IC4	1.0000	1.00000	-0.0025351	-0.25351	1.7186	0.015266	1
IC2	0.10000	0.100000	-0.00079944	-0.79944	0.17227	0.00070419	1
IC3	0.50000	0.50000	0.0033345	0.66691	0.86792	0.014037	1



Element Name:	Co
Element Wavelength:	Co 228.616 nm
Concentration Units:	ppm
Date of Calibration:	4/5/2012 3:18:44PM
Date of Fit:	4/5/2012 3:18:44PM
Type of Fit:	Linear
Correlation:	0.99996
A0 (Offset):	-0.00052104
A1 (Gain):	1.5310
A2 (Curvature):	0.00000
n (Exponent):	1.0000

Reslope		**QC Normalize**	
Slope:	1.0000	**Slope factor:**	1.0000
Y Int:	0.00000	**Offset:**	0.00000

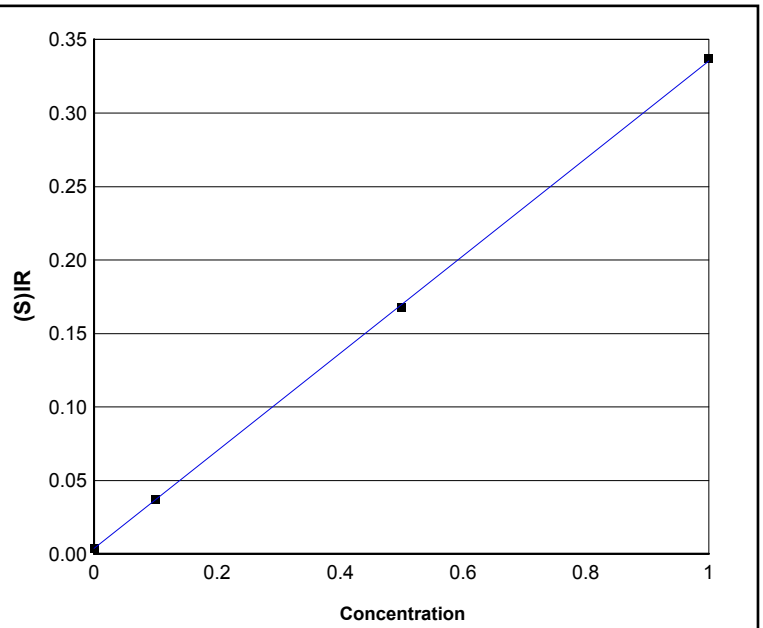
Standard Name	Stated	Found	Diff	% Diff	(S)IR	Stddev	Emphasis
IC1	0.00000	0.0000000000	0.0000029958	0.00000	-0.00051646	0.00010549	1
IC4	1.0000	1.0000	0.0034273	0.34273	1.5365	0.011650	1
IC2	0.10000	0.100000	-0.0033163	-3.3163	0.14758	0.00021922	1
IC3	0.50000	0.50000	-0.00011098	-0.022196	0.76521	0.011880	1



Element Name:	Cr
Element Wavelength:	Cr 267.716 nm
Concentration Units:	ppm
Date of Calibration:	4/5/2012 3:18:44PM
Date of Fit:	4/5/2012 3:18:44PM
Type of Fit:	Linear
Correlation:	0.99999
A0 (Offset):	-0.0000077009
A1 (Gain):	0.13261
A2 (Curvature):	0.00000
n (Exponent):	1.0000

Reslope		QC Normalize	
Slope:	1.0000	**Slope factor:**	1.0000
Y Int:	0.00000	**Offset:**	0.00000

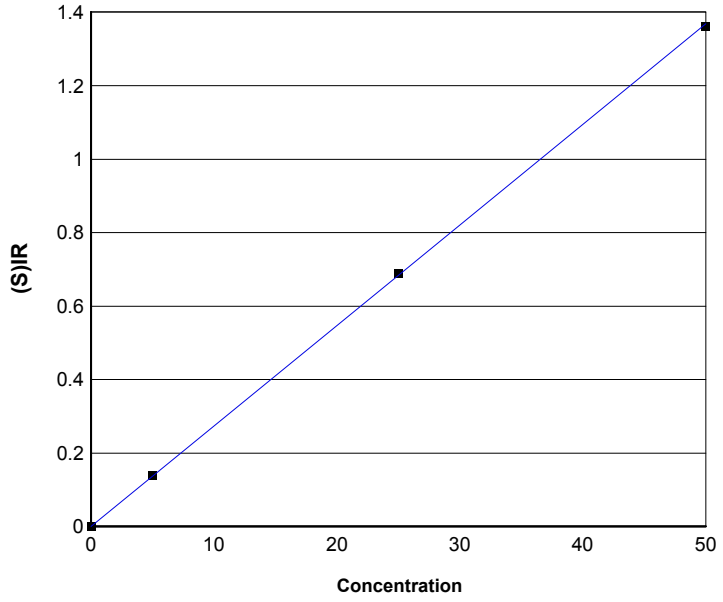
Standard Name	Stated	Found	Diff	% Diff	(S)IR	Stddev	Emphasis
IC1	0.00000	0.0000000000	-0.0000007082	0.00000	-0.0000077948	0.000037623	1
IC4	1.0000	1.0000	0.00098321	0.098321	0.13278	0.0011458	1
IC2	0.10000	0.10000	0.0010082	1.0082	0.013392	0.000080670	1
IC3	0.50000	0.50000	-0.0019914	-0.39827	0.066058	0.00031241	1



Element Name:	Cu
Element Wavelength:	Cu 324.754 nm
Concentration Units:	ppm
Date of Calibration:	4/5/2012 3:18:44PM
Date of Fit:	4/5/2012 3:18:44PM
Type of Fit:	Linear
Correlation:	0.99997
A0 (Offset):	0.0037606
A1 (Gain):	0.33174
A2 (Curvature):	0.00000
n (Exponent):	1.0000

Reslope		QC Normalize	
Slope:	1.0000	**Slope factor:**	1.0000
Y Int:	0.00000	**Offset:**	0.00000

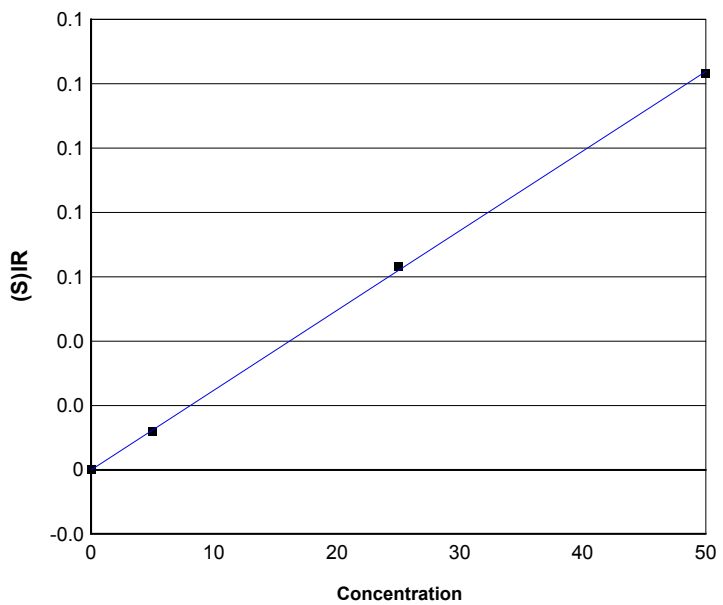
Standard Name	Stated	Found	Diff	% Diff	(S)IR	Stddev	Emphasis
IC1	0.00000	0.0000000000	0.0000006655	0.00000	0.0037608	0.000091324	1
IC4	1.0000	1.0100	0.0053944	0.53944	0.33729	0.0028233	1
IC2	0.10000	0.100000	-0.00015759	-0.15759	0.036882	0.00044925	1
IC3	0.50000	0.49000	-0.0052368	-1.0474	0.16789	0.00080887	1



Element Name:	Fe
Element Wavelength:	Fe 259.940 nm
Concentration Units:	ppm
Date of Calibration:	4/5/2012 3:18:44PM
Date of Fit:	4/5/2012 3:18:44PM
Type of Fit:	Linear
Correlation:	0.99998
A0 (Offset):	0.000084878
A1 (Gain):	0.027361
A2 (Curvature):	0.00000
n (Exponent):	1.0000

Reslope		**QC Normalize**	
Slope:	1.0000	**Slope factor:**	1.0000
Y Int:	0.00000	**Offset:**	0.00000

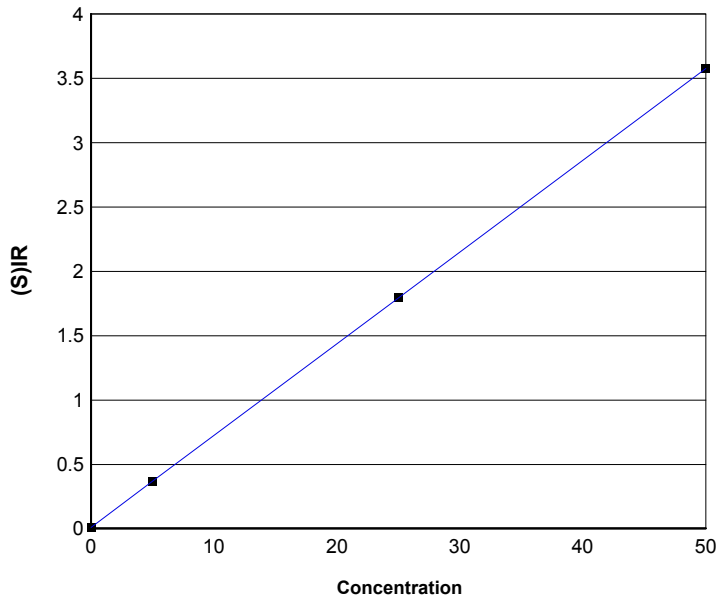
Standard Name	Stated	Found	Diff	% Diff	(S)IR	Stddev	Emphasis
IC1	0.00000	0.000000000	-0.000059634	0.00000	0.000083246	0.000050463	1
IC4	50.000	49.740	-0.25648	-0.51296	1.3611	0.015701	1
IC2	5.0000	5.0400	0.042483	0.84965	0.13805	0.0017876	1
IC3	25.000	25.210	0.21400	0.85599	0.68996	0.0011660	1



Element Name:	Fe
Element Wavelength:	Fe 271.441 nm
Concentration Units:	ppm
Date of Calibration:	4/5/2012 3:18:44PM
Date of Fit:	4/5/2012 3:18:44PM
Type of Fit:	Linear
Correlation:	0.99988
A0 (Offset):	-0.000053603
A1 (Gain):	0.0024792
A2 (Curvature):	0.00000
n (Exponent):	1.0000

Reslope		**QC Normalize**	
Slope:	1.0000	**Slope factor:**	1.0000
Y Int:	0.00000	**Offset:**	0.00000

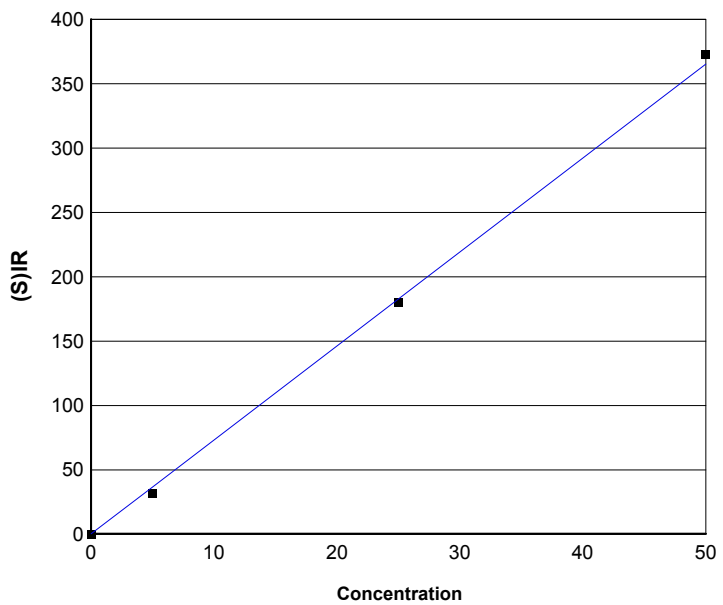
Standard Name	Stated	Found	Diff	% Diff	(S)IR	Stddev	Emphasis
IC1	0.00000	0.00000000	0.00012840	0.00000	-0.000053284	0.000044781	1
IC4	50.000	49.710	-0.28828	-0.57657	0.12319	0.00093465	1
IC2	5.0000	4.8000	-0.19654	-3.9308	0.011855	0.00011229	1
IC3	25.000	25.480	0.48482	1.9393	0.063130	0.0000092019	1



Element Name:	K
Element Wavelength:	K 766.490 nm
Concentration Units:	ppm
Date of Calibration:	4/5/2012 3:18:44PM
Date of Fit:	4/5/2012 3:18:44PM
Type of Fit:	Linear
Correlation:	0.99999
A0 (Offset):	0.010601
A1 (Gain):	0.071367
A2 (Curvature):	0.00000
n (Exponent):	1.0000

Reslope		QC Normalize	
Slope:	1.0000	**Slope factor:**	1.0000
Y Int:	0.00000	**Offset:**	0.00000

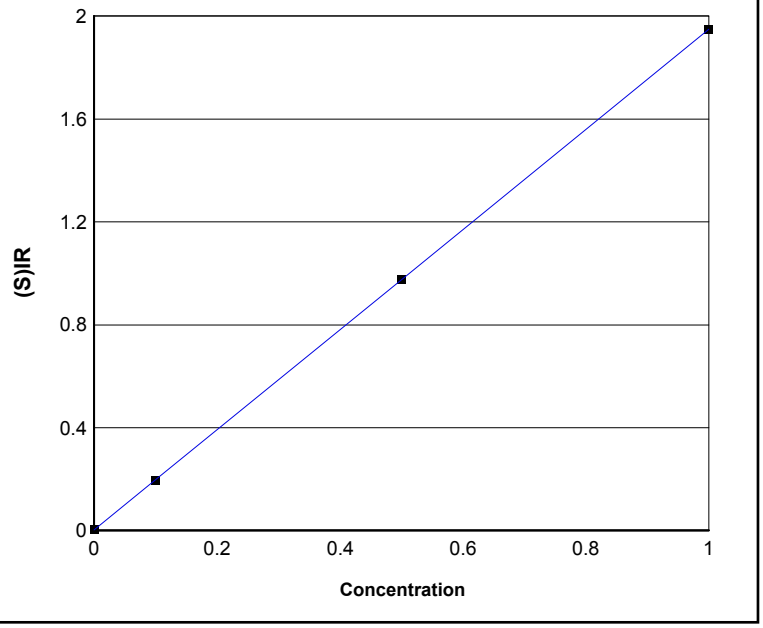
Standard Name	Stated	Found	Diff	% Diff	(S)IR	Stddev	Emphasis
IC1	0.00000	0.000000000	0.000048291	0.00000	0.010605	0.0011238	1
IC4	50.000	50.010	0.0087897	0.017579	3.5796	0.051394	1
IC2	5.0000	4.9400	-0.059265	-1.1853	0.36321	0.00085188	1
IC3	25.000	25.050	0.050475	0.20190	1.7984	0.0038656	1



Element Name:	K
Element Wavelength:	K 766.490 nm
Concentration Units:	ppm
Date of Calibration:	4/5/2012 3:18:44PM
Date of Fit:	4/5/2012 3:18:44PM
Type of Fit:	Linear
Correlation:	0.99919
A0 (Offset):	0.017235
A1 (Gain):	7.3049
A2 (Curvature):	0.00000
n (Exponent):	1.0000

Reslope		QC Normalize	
Slope:	1.0000	**Slope factor:**	1.0000
Y Int:	0.00000	**Offset:**	0.00000

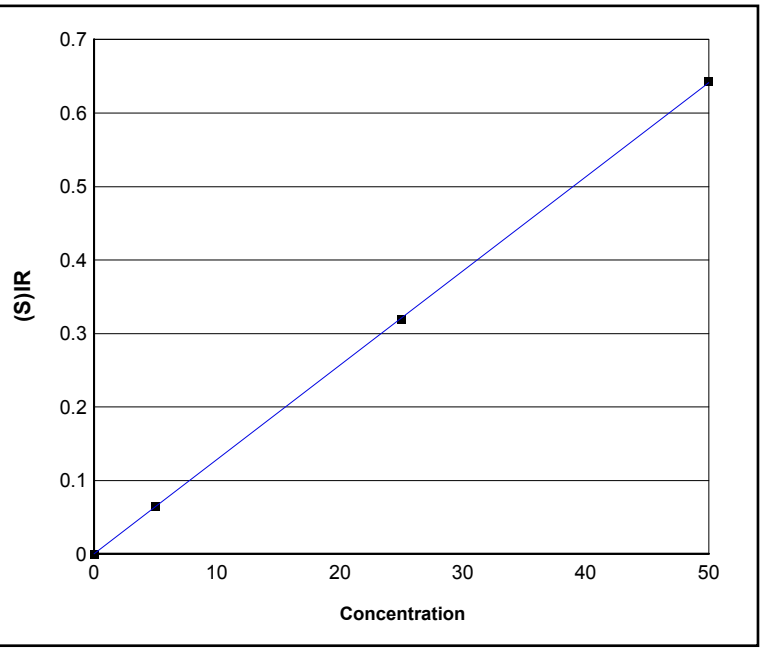
Standard Name	Stated	Found	Diff	% Diff	(S)IR	Stddev	Emphasis
IC1	0.00000	0.00000000	0.00068223	0.00000	0.022218	0.00056622	1
IC4	50.000	51.040	1.0439	2.0877	372.89	3.8015	1
IC2	5.0000	4.2800	-0.72231	-14.446	31.265	0.096770	1
IC3	25.000	24.680	-0.32155	-1.2862	180.29	2.8059	1



Element Name:	Li
Element Wavelength:	Li 670.784 nm
Concentration Units:	ppm
Date of Calibration:	4/5/2012 3:18:44PM
Date of Fit:	4/5/2012 3:18:44PM
Type of Fit:	Linear
Correlation:	1.00000
A0 (Offset):	0.0022416
A1 (Gain):	1.9466
A2 (Curvature):	0.00000
n (Exponent):	1.0000

Reslope		QC Normalize	
Slope:	1.0000	**Slope factor:**	1.0000
Y Int:	0.00000	**Offset:**	0.00000

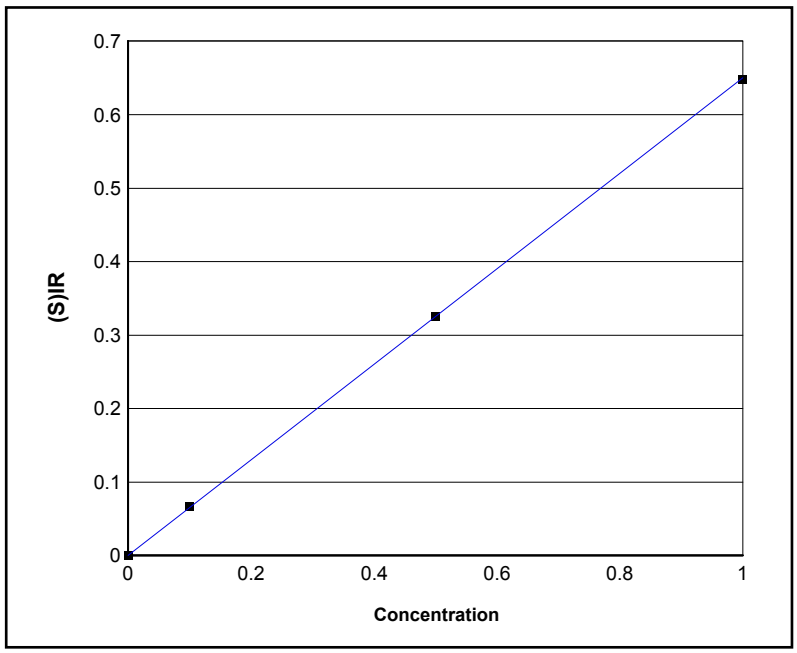
Standard Name	Stated	Found	Diff	% Diff	(S)IR	Stddev	Emphasis
IC1	0.00000	0.0000000000	-0.0000000988	0.00000	0.0022414	0.00019342	1
IC2	0.10000	0.100000	-0.000013427	-0.013427	0.19688	0.0031743	1
IC3	0.50000	0.50000	0.0011088	0.22177	0.97772	0.000095894	1
IC4	1.0000	1.00000	-0.0010954	-0.10954	1.9468	0.031121	1



Element Name:	Mg
Element Wavelength:	Mg 279.079 nm
Concentration Units:	ppm
Date of Calibration:	4/5/2012 3:18:44PM
Date of Fit:	4/5/2012 3:18:44PM
Type of Fit:	Linear
Correlation:	1.00000
A0 (Offset):	0.000026658
A1 (Gain):	0.012833
A2 (Curvature):	0.00000
n (Exponent):	1.0000

Reslope		QC Normalize	
Slope:	1.0000	**Slope factor:**	1.0000
Y Int:	0.00000	**Offset:**	0.00000

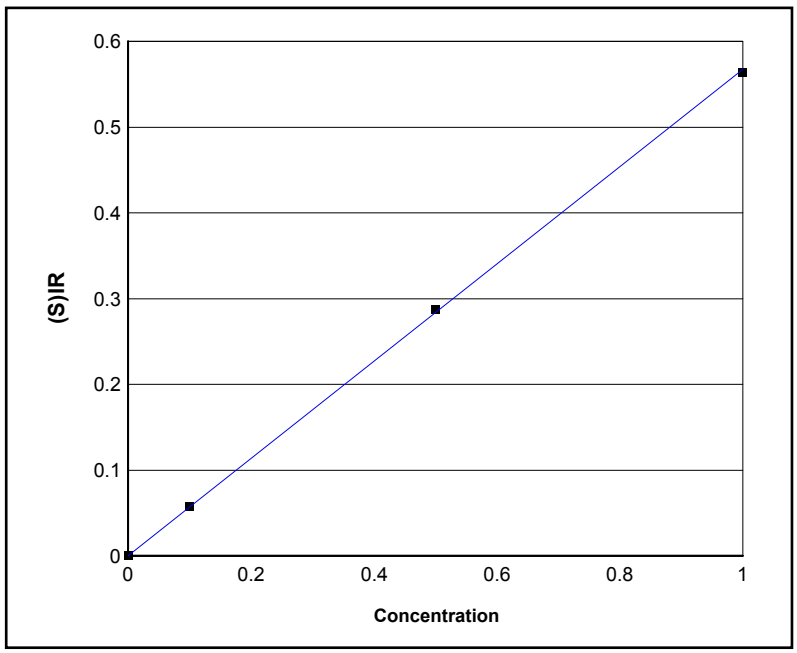
Standard Name	Stated	Found	Diff	% Diff	(S)IR	Stddev	Emphasis
IC1	0.00000	0.0000000000	0.0000054238	0.00000	0.000026727	0.000049052	1
IC4	50.000	50.100	0.098968	0.19794	0.64295	0.0061290	1
IC2	5.0000	5.0100	0.0055913	0.11183	0.064264	0.00058104	1
IC3	25.000	24.900	-0.10456	-0.41824	0.31951	0.0016047	1



Element Name:	Mn
Element Wavelength:	Mn 257.610 nm
Concentration Units:	ppm
Date of Calibration:	4/5/2012 3:18:44PM
Date of Fit:	4/5/2012 3:18:44PM
Type of Fit:	Linear
Correlation:	0.99998
A0 (Offset):	0.00027352
A1 (Gain):	0.64965
A2 (Curvature):	0.00000
n (Exponent):	1.0000

Reslope		**QC Normalize**	
Slope:	1.0000	**Slope factor:**	1.0000
Y Int:	0.00000	**Offset:**	0.00000

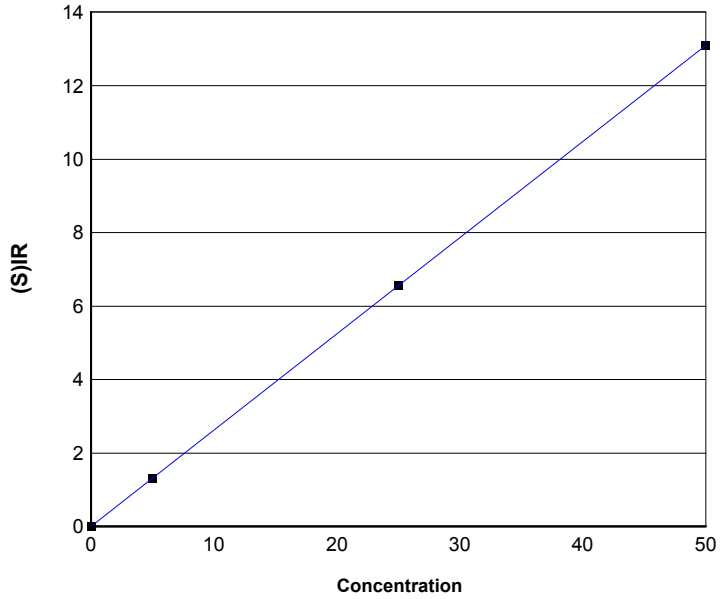
Standard Name	Stated	Found	Diff	% Diff	(S)IR	Stddev	Emphasis
IC1	0.00000	0.0000000000	-0.0000018224	0.00000	0.00027234	0.000023735	1
IC4	1.0000	1.00000	-0.0033469	-0.33469	0.64775	0.0057618	1
IC2	0.10000	0.10000	0.0018596	1.8596	0.066447	0.00072784	1
IC3	0.50000	0.50000	0.0014873	0.29746	0.32607	0.00088372	1



Element Name:	Mo
Element Wavelength:	Mo 202.030 nm
Concentration Units:	ppm
Date of Calibration:	4/5/2012 3:18:44PM
Date of Fit:	4/5/2012 3:18:44PM
Type of Fit:	Linear
Correlation:	0.99996
A0 (Offset):	0.000099935
A1 (Gain):	0.56719
A2 (Curvature):	0.00000
n (Exponent):	1.0000

Reslope		**QC Normalize**	
Slope:	1.0000	**Slope factor:**	1.0000
Y Int:	0.00000	**Offset:**	0.00000

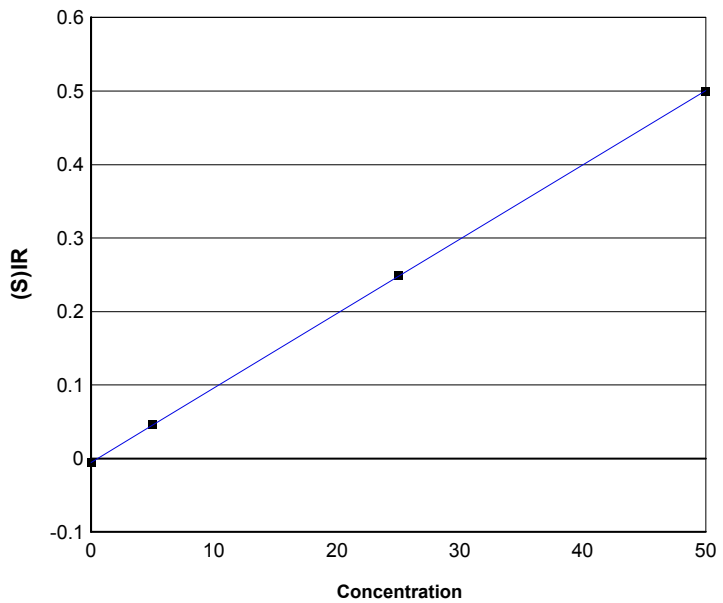
Standard Name	Stated	Found	Diff	% Diff	(S)IR	Stddev	Emphasis
IC1	0.00000	0.0000000000	-0.0000011773	0.00000	0.000099267	0.000098130	1
IC4	1.0000	0.99000	-0.0066642	-0.66642	0.56351	0.0030246	1
IC2	0.10000	0.10000	0.00063859	0.63859	0.057181	0.00056267	1
IC3	0.50000	0.51000	0.0060256	1.2051	0.28711	0.0056441	1



Element Name:	Na
Element Wavelength:	Na 589.592 nm
Concentration Units:	ppm
Date of Calibration:	4/5/2012 3:18:44PM
Date of Fit:	4/5/2012 3:18:44PM
Type of Fit:	Linear
Correlation:	1.00000
A0 (Offset):	0.011453
A1 (Gain):	0.26179
A2 (Curvature):	0.00000
n (Exponent):	1.0000

Reslope		QC Normalize	
Slope:	1.0000	**Slope factor:**	1.0000
Y Int:	0.00000	**Offset:**	0.00000

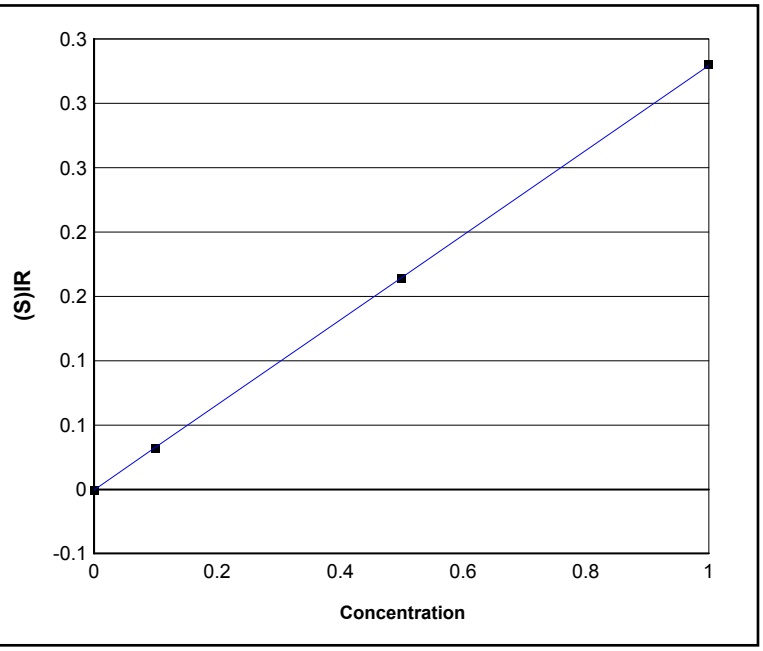
Standard Name	Stated	Found	Diff	% Diff	(S)IR	Stddev	Emphasis
IC1	0.00000	0.000000000	0.000036603	0.00000	0.011463	0.00096900	1
IC4	50.000	50.010	0.0085911	0.017182	13.103	0.19572	1
IC2	5.0000	4.9600	-0.044680	-0.89361	1.3087	0.0016014	1
IC3	25.000	25.040	0.036089	0.14436	6.5656	0.0050772	1



Element Name:	Na
Element Wavelength:	Na 818.326 nm
Concentration Units:	ppm
Date of Calibration:	4/5/2012 3:18:44PM
Date of Fit:	4/5/2012 3:18:44PM
Type of Fit:	Linear
Correlation:	0.99999
A0 (Offset):	-0.0052865
A1 (Gain):	0.010123
A2 (Curvature):	0.00000
n (Exponent):	1.0000

Reslope		QC Normalize	
Slope:	1.0000	**Slope factor:**	1.0000
Y Int:	0.00000	**Offset:**	0.00000

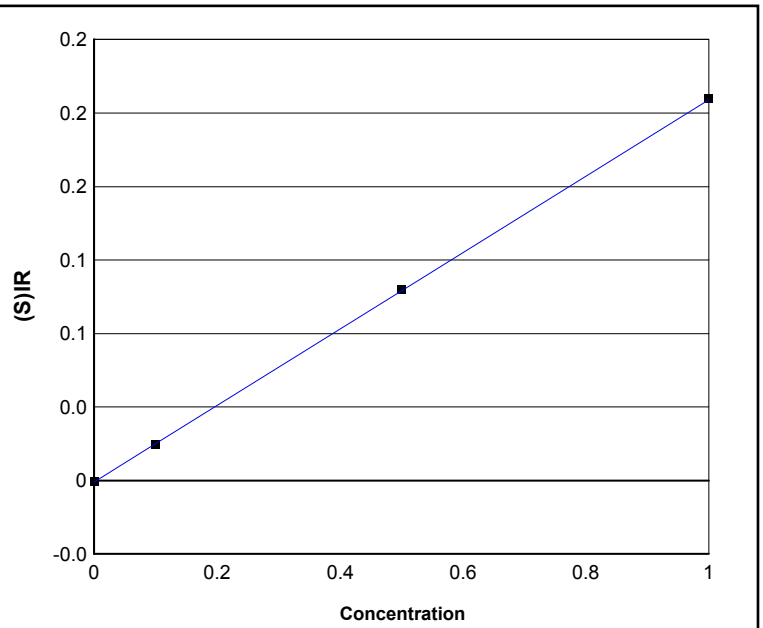
Standard Name	Stated	Found	Diff	% Diff	(S)IR	Stddev	Emphasis
IC1	0.00000	0.000000000	-0.000082474	0.00000	-0.0052874	0.0018151	1
IC4	50.000	49.830	-0.17081	-0.34163	0.49915	0.0057725	1
IC2	5.0000	5.0800	0.081741	1.6348	0.046157	0.0025174	1
IC3	25.000	25.090	0.089073	0.35629	0.24870	0.0028278	1



Element Name:	Ni
Element Wavelength:	Ni 231.604 nm
Concentration Units:	ppm
Date of Calibration:	4/5/2012 3:18:44PM
Date of Fit:	4/5/2012 3:18:44PM
Type of Fit:	Linear
Correlation:	0.99999
A0 (Offset):	-0.00047293
A1 (Gain):	0.32997
A2 (Curvature):	0.00000
n (Exponent):	1.0000

Reslope		QC Normalize	
Slope:	1.0000	**Slope factor:**	1.0000
Y Int:	0.00000	**Offset:**	0.00000

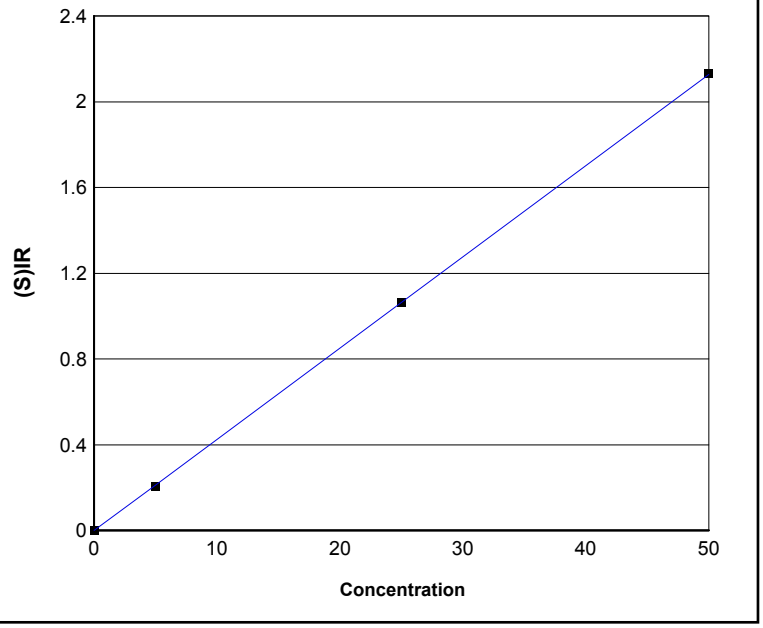
Standard Name	Stated	Found	Diff	% Diff	(S)IR	Stddev	Emphasis
IC1	0.00000	0.0000000000	0.0000017007	0.00000	-0.00047237	0.00018426	1
IC4	1.0000	1.0000	0.0022598	0.22598	0.33004	0.0021279	1
IC2	0.10000	0.100000	-0.0018434	-1.8434	0.031895	0.000024938	1
IC3	0.50000	0.50000	-0.00041635	-0.083270	0.16427	0.0022154	1



Element Name:	Pb
Element Wavelength:	Pb 220.353 nm
Concentration Units:	ppm
Date of Calibration:	4/5/2012 3:18:44PM
Date of Fit:	4/5/2012 3:18:44PM
Type of Fit:	Linear
Correlation:	0.99998
A0 (Offset):	-0.00075530
A1 (Gain):	0.20802
A2 (Curvature):	0.00000
n (Exponent):	1.0000

Reslope		QC Normalize	
Slope:	1.0000	**Slope factor:**	1.0000
Y Int:	0.00000	**Offset:**	0.00000

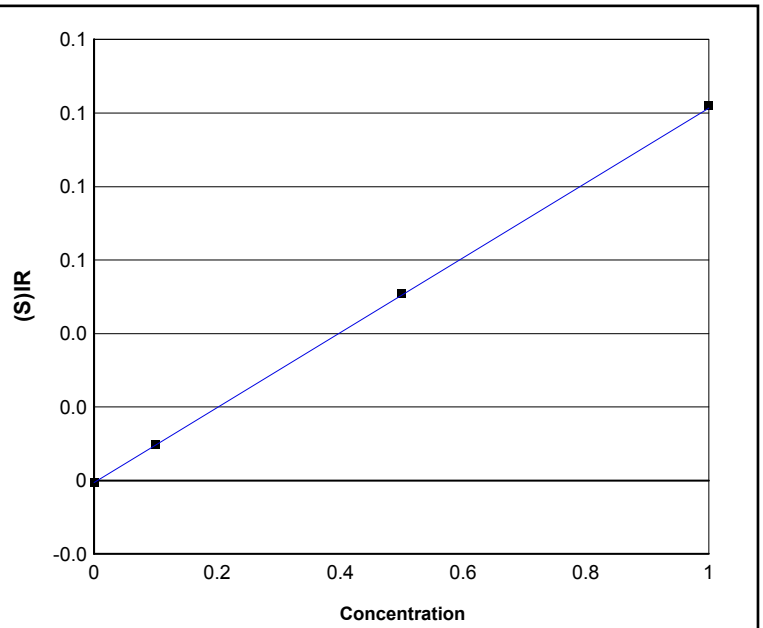
Standard Name	Stated	Found	Diff	% Diff	(S)IR	Stddev	Emphasis
IC1	0.00000	0.0000000000	0.0000021017	0.00000	-0.00075486	0.000052146	1
IC4	1.0000	1.0000	0.0010822	0.10822	0.20778	0.0017340	1
IC2	0.10000	0.100000	-0.0024918	-2.4918	0.019558	0.00012094	1
IC3	0.50000	0.50000	0.0014096	0.28192	0.10369	0.0018136	1



Element Name:	S
Element Wavelength:	S 182.034 nm
Concentration Units:	ppm
Date of Calibration:	4/5/2012 3:18:44PM
Date of Fit:	4/5/2012 3:18:44PM
Type of Fit:	Linear
Correlation:	1.0000
A0 (Offset):	0.0001471
A1 (Gain):	0.04255
A2 (Curvature):	0.0000
n (Exponent):	1.000

Reslope		QC Normalize	
Slope:	1.000	**Slope factor:**	1.000
Y Int:	0.0000	**Offset:**	0.0000

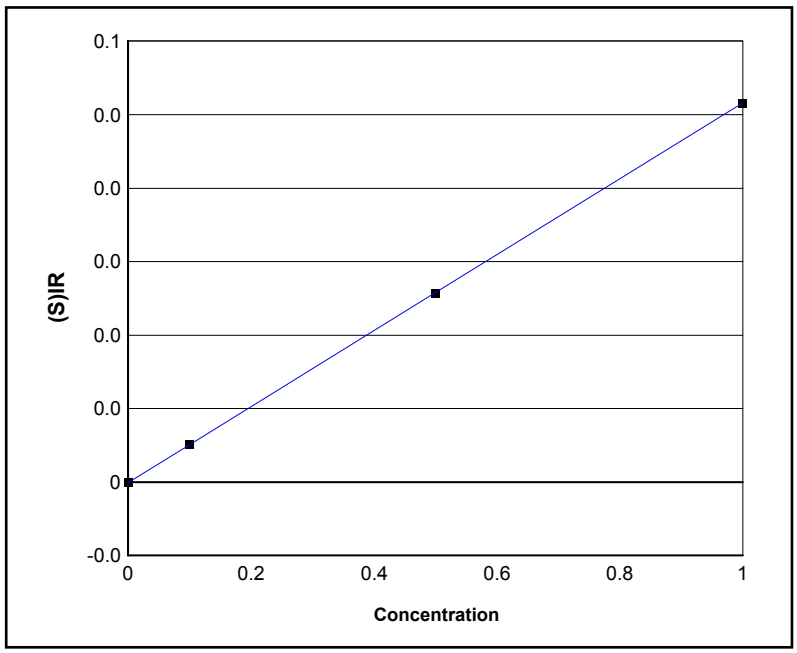
Standard Name	Stated	Found	Diff	% Diff	(S)IR	Stddev	Emphasis
IC1	0.0000	0.0000000	0.0001127	0.0000	0.0001519	0.0001278	1
IC2	5.000	4.870	-0.1291	-2.581	0.2074	0.0009859	1
IC3	25.00	25.03	0.03408	0.1363	1.065	0.01393	1
IC4	50.00	50.09	0.09497	0.1899	2.132	0.01384	1



Element Name:	Sb
Element Wavelength:	Sb 206.833 nm
Concentration Units:	ppm
Date of Calibration:	4/5/2012 3:18:44PM
Date of Fit:	4/5/2012 3:18:44PM
Type of Fit:	Linear
Correlation:	0.99999
A0 (Offset):	-0.00051937
A1 (Gain):	0.10182
A2 (Curvature):	0.00000
n (Exponent):	1.0000

Reslope		QC Normalize	
Slope:	1.0000	**Slope factor:**	1.0000
Y Int:	0.00000	**Offset:**	0.00000

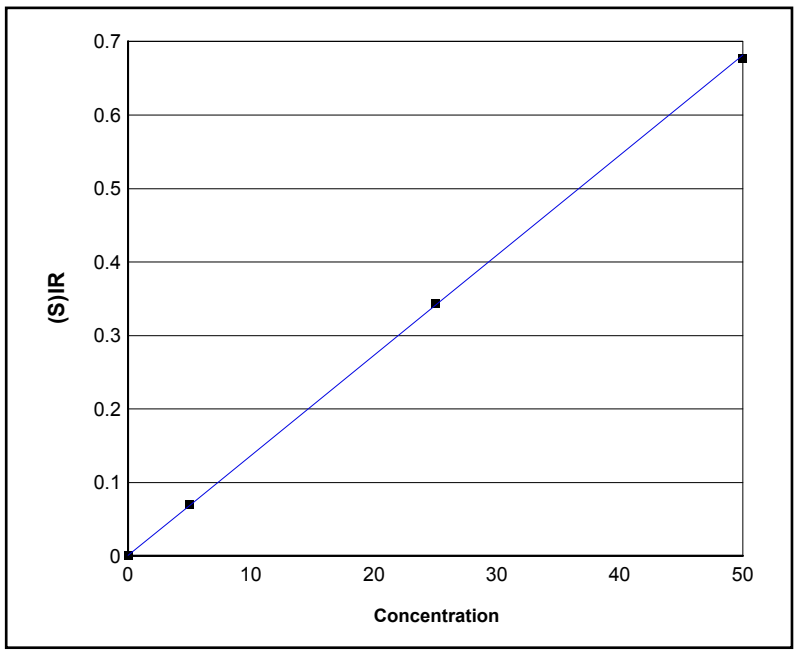
Standard Name	Stated	Found	Diff	% Diff	(S)IR	Stddev	Emphasis
IC1	0.00000	0.0000000000	-0.0000011834	0.00000	-0.00051949	0.000012403	1
IC4	1.0000	1.00000	-0.0024280	-0.24280	0.10198	0.0014281	1
IC2	0.10000	0.10000	0.0011758	1.1758	0.0098749	0.000087842	1
IC3	0.50000	0.50000	0.0012522	0.25044	0.050981	0.0010578	1



Element Name:	Se
Element Wavelength:	Se 196.090 nm
Concentration Units:	ppm
Date of Calibration:	4/5/2012 3:18:44PM
Date of Fit:	4/5/2012 3:18:44PM
Type of Fit:	Linear
Correlation:	1.00000
A0 (Offset):	-0.000079763
A1 (Gain):	0.051710
A2 (Curvature):	0.00000
n (Exponent):	1.0000

Reslope		QC Normalize	
Slope:	1.0000	**Slope factor:**	1.0000
Y Int:	0.00000	**Offset:**	0.00000

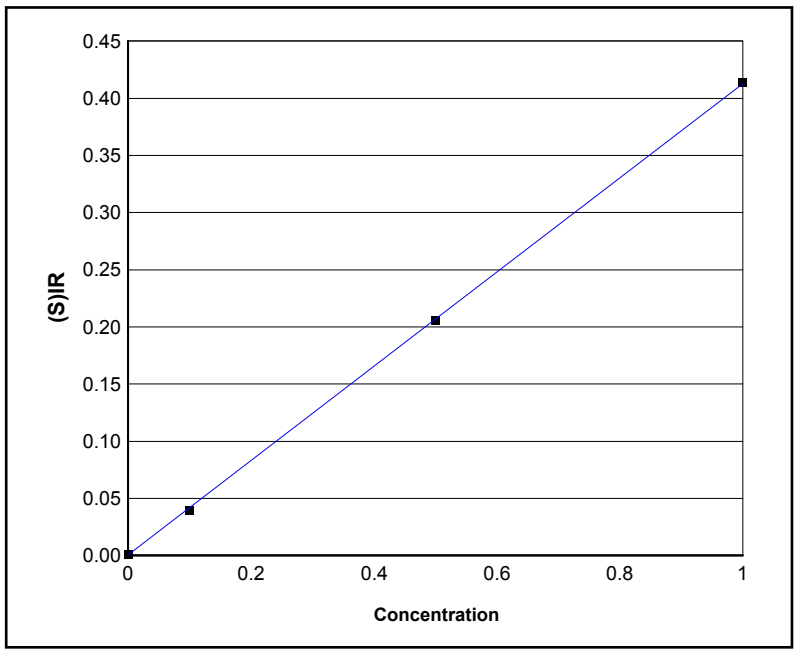
Standard Name	Stated	Found	Diff	% Diff	(S)IR	Stddev	Emphasis
IC1	0.00000	0.0000000000	-0.0000007188	0.00000	-0.000079800	0.000011442	1
IC4	1.0000	1.0000	0.00013426	0.013426	0.051571	0.00070614	1
IC2	0.10000	0.10000	0.00091524	0.91524	0.0051319	0.00012009	1
IC3	0.50000	0.50000	-0.0010495	-0.20990	0.025688	0.00089255	1



Element Name:	Si
Element Wavelength:	Si 288.158 nm
Concentration Units:	ppm
Date of Calibration:	4/5/2012 3:18:44PM
Date of Fit:	4/5/2012 3:18:44PM
Type of Fit:	Linear
Correlation:	0.99996
A0 (Offset):	0.00060755
A1 (Gain):	0.013617
A2 (Curvature):	0.00000
n (Exponent):	1.0000

Reslope		QC Normalize	
Slope:	1.0000	**Slope factor:**	1.0000
Y Int:	0.00000	**Offset:**	0.00000

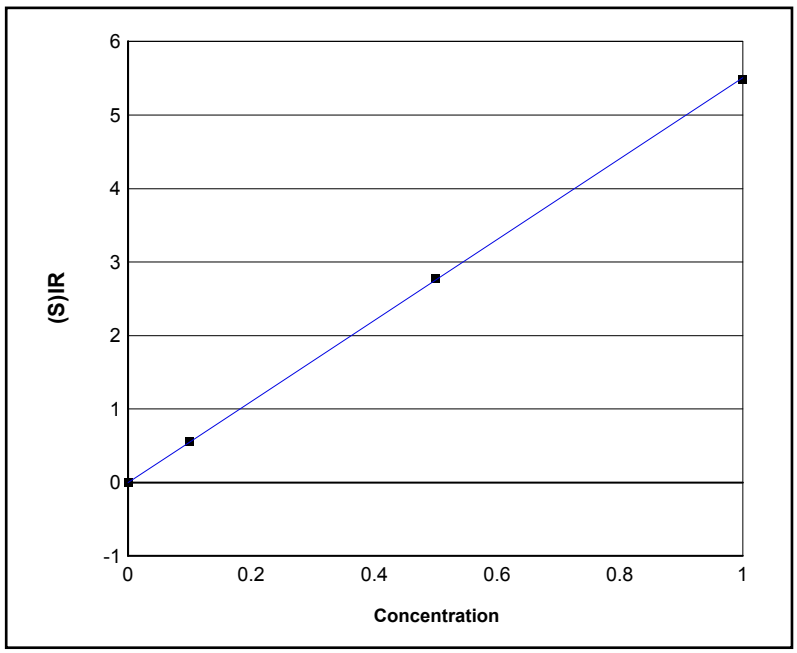
Standard Name	Stated	Found	Diff	% Diff	(S)IR	Stddev	Emphasis
IC1	0.00000	0.00000000	-0.00010190	0.00000	0.00060617	0.00013643	1
IC2	5.0000	5.0900	0.087460	1.7492	0.069906	0.0014465	1
IC3	25.000	25.230	0.23189	0.92757	0.34430	0.00097214	1
IC4	50.000	49.680	-0.31935	-0.63870	0.67733	0.0093167	1



Element Name:	Sn
Element Wavelength:	Sn 189.989 nm
Concentration Units:	ppm
Date of Calibration:	4/5/2012 3:18:44PM
Date of Fit:	4/5/2012 3:18:44PM
Type of Fit:	Linear
Correlation:	0.99992
A0 (Offset):	0.00068558
A1 (Gain):	0.41217
A2 (Curvature):	0.00000
n (Exponent):	1.0000

Reslope		QC Normalize	
Slope:	1.0000	**Slope factor:**	1.0000
Y Int:	0.00000	**Offset:**	0.00000

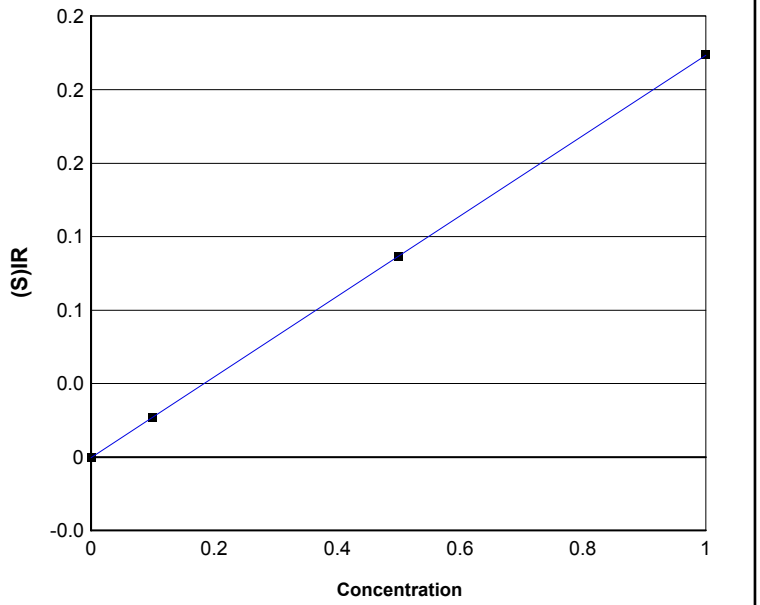
Standard Name	Stated	Found	Diff	% Diff	(S)IR	Stddev	Emphasis
IC1	0.00000	0.0000000000	0.0000043708	0.00000	0.00068738	0.000054512	1
IC4	1.0000	1.0100	0.0053415	0.53415	0.41407	0.0042580	1
IC2	0.10000	0.100000	-0.0047958	-4.7958	0.039827	0.00044830	1
IC3	0.50000	0.50000	-0.00054570	-0.10914	0.20605	0.0029735	1



Element Name:	Sr
Element Wavelength:	Sr 407.771 nm
Concentration Units:	ppm
Date of Calibration:	4/5/2012 3:18:44PM
Date of Fit:	4/5/2012 3:18:44PM
Type of Fit:	Linear
Correlation:	0.99998
A0 (Offset):	-0.0012035
A1 (Gain):	5.5097
A2 (Curvature):	0.00000
n (Exponent):	1.0000

Reslope		QC Normalize	
Slope:	1.0000	**Slope factor:**	1.0000
Y Int:	0.00000	**Offset:**	0.00000

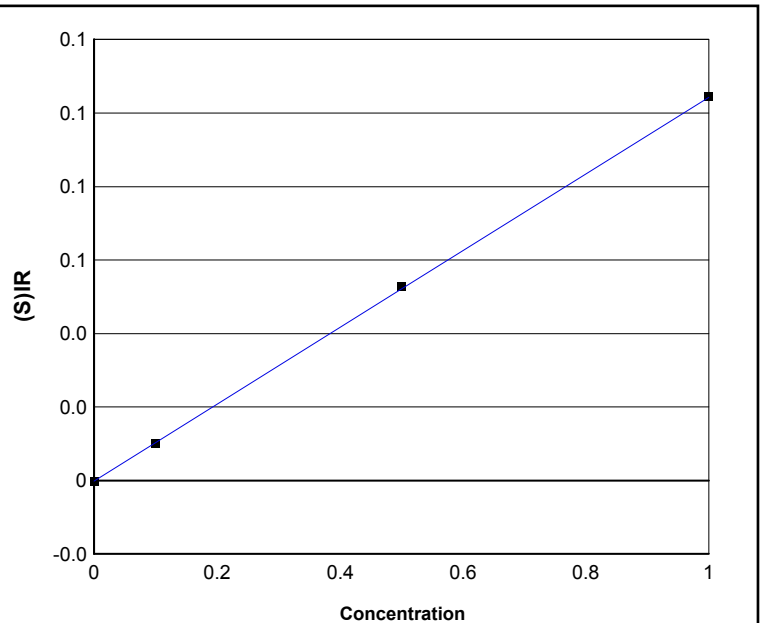
Standard Name	Stated	Found	Diff	% Diff	(S)IR	Stddev	Emphasis
IC1	0.00000	0.0000000000	-0.0000008351	0.00000	-0.0012081	0.00040141	1
IC2	0.10000	0.10000	0.00050881	0.50881	0.55285	0.0048730	1
IC3	0.50000	0.50000	0.0037714	0.75428	2.7758	0.0032956	1
IC4	1.0000	1.00000	-0.0042802	-0.42802	5.4877	0.097097	1



Element Name:	Ti
Element Wavelength:	Ti 334.904 nm
Concentration Units:	ppm
Date of Calibration:	4/5/2012 3:18:44PM
Date of Fit:	4/5/2012 3:18:44PM
Type of Fit:	Linear
Correlation:	1.00000
A0 (Offset):	-0.00025811
A1 (Gain):	0.21893
A2 (Curvature):	0.00000
n (Exponent):	1.0000

Reslope		QC Normalize	
Slope:	1.0000	**Slope factor:**	1.0000
Y Int:	0.00000	**Offset:**	0.00000

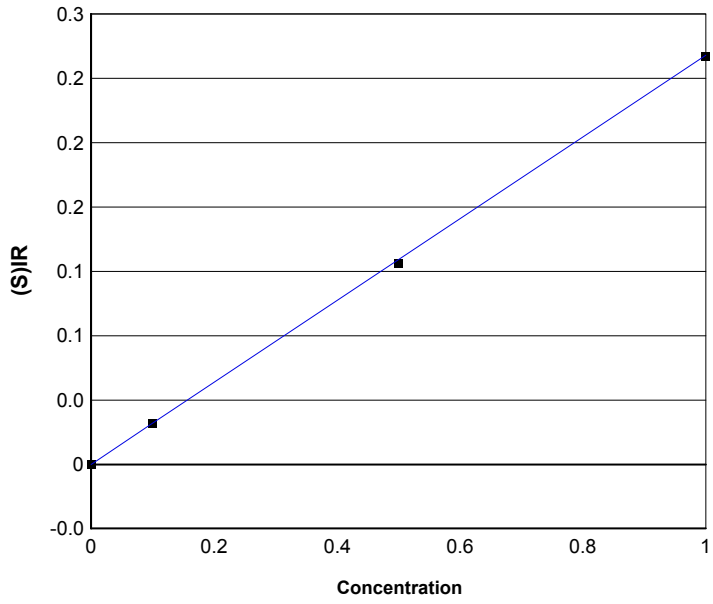
Standard Name	Stated	Found	Diff	% Diff	(S)IR	Stddev	Emphasis
IC1	0.00000	0.0000000000	0.0000007386	0.00000	-0.00025795	0.000086268	1
IC4	1.0000	1.0000	0.0021203	0.21203	0.21917	0.0018703	1
IC2	0.10000	0.100000	-0.00065825	-0.65825	0.021494	0.00013763	1
IC3	0.50000	0.50000	-0.0014620	-0.29241	0.10891	0.00050168	1



Element Name:	Tl
Element Wavelength:	Tl 190.856 nm
Concentration Units:	ppm
Date of Calibration:	4/5/2012 3:18:44PM
Date of Fit:	4/5/2012 3:18:44PM
Type of Fit:	Linear
Correlation:	0.99996
A0 (Offset):	-0.00015301
A1 (Gain):	0.10447
A2 (Curvature):	0.00000
n (Exponent):	1.0000

Reslope		QC Normalize	
Slope:	1.0000	**Slope factor:**	1.0000
Y Int:	0.00000	**Offset:**	0.00000

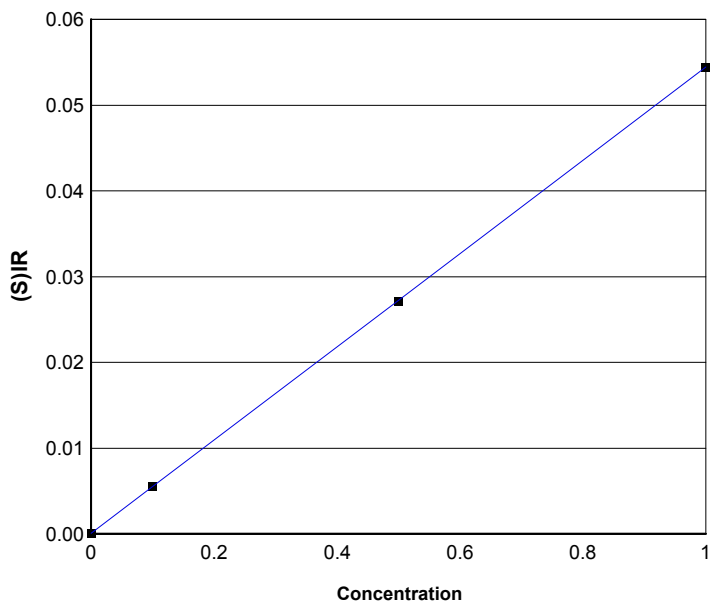
Standard Name	Stated	Found	Diff	% Diff	(S)IR	Stddev	Emphasis
IC1	0.00000	0.0000000000	0.0000019916	0.00000	-0.00015281	0.000070022	1
IC4	1.0000	1.00000	-0.0023333	-0.23333	0.10460	0.0010674	1
IC2	0.10000	0.100000	-0.0027811	-2.7811	0.010056	0.00020082	1
IC3	0.50000	0.51000	0.0051144	1.0229	0.052878	0.0013252	1



Element Name:	V
Element Wavelength:	V 292.402 nm
Concentration Units:	ppm
Date of Calibration:	4/5/2012 3:18:44PM
Date of Fit:	4/5/2012 3:18:44PM
Type of Fit:	Linear
Correlation:	0.99998
A0 (Offset):	-0.000016977
A1 (Gain):	0.25445
A2 (Curvature):	0.00000
n (Exponent):	1.0000

Reslope		**QC Normalize**	
Slope:	1.0000	**Slope factor:**	1.0000
Y Int:	0.00000	**Offset:**	0.00000

Standard Name	Stated	Found	Diff	% Diff	(S)IR	Stddev	Emphasis
IC1	0.00000	0.0000000000	0.0000002815	0.00000	-0.000016905	0.000021106	1
IC4	1.0000	1.0000	0.0049115	0.49115	0.25347	0.0036979	1
IC2	0.10000	0.10000	0.00026205	0.26205	0.025273	0.00019074	1
IC3	0.50000	0.49000	-0.0051736	-1.0347	0.12478	0.00025551	1



Element Name:	Zn
Element Wavelength:	Zn 206.200 nm
Concentration Units:	ppm
Date of Calibration:	4/5/2012 3:18:44PM
Date of Fit:	4/5/2012 3:18:44PM
Type of Fit:	Linear
Correlation:	1.00000
A0 (Offset):	0.000057928
A1 (Gain):	0.054396
A2 (Curvature):	0.00000
n (Exponent):	1.0000

Reslope		**QC Normalize**	
Slope:	1.0000	**Slope factor:**	1.0000
Y Int:	0.00000	**Offset:**	0.00000

Standard Name	Stated	Found	Diff	% Diff	(S)IR	Stddev	Emphasis
IC1	0.00000	0.0000000000	-0.0000001477	0.00000	0.000057920	0.0000035382	1
IC4	1.0000	1.0000	0.00096988	0.096988	0.054471	0.00072757	1
IC2	0.10000	0.10000	0.00030588	0.30588	0.0055106	0.000038739	1
IC3	0.50000	0.50000	-0.0012758	-0.25515	0.027169	0.00016015	1

Sample Name: IC1 Acquired: 4/5/2012 14:30:58 Type: Cal
Method: ICAP1(v261) Mode: IR Corr. Factor: 1.000000
User: AMH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	B_2089	Ba4554	Ba4554-2	Be3130	Ca3179	Cd2288	Co2286	Cr2677	Cu3247
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**-.00019**	**.00135**	**.00019**	**.00196**	**.00994**	**.00362**	**.00037**	**.00362**	**.00149**	**-.00046**	**-.00002**	**.00359**
Stddev	.00018	.00018	.00026	.00007	.00100	.00009	.00066	.00065	.00002	.00006	.00007	.00003
%RSD	94.971	13.353	137.81	3.7131	10.097	2.3670	175.45	18.035	1.3650	13.047	429.71	.89599
#1	-.00006	.00122	.00000	.00191	.00923	.00368	-.00009	.00408	.00148	-.00041	-.00007	.00361
#2	-.00032	.00147	.00037	.00201	.01065	.00356	.00084	.00315	.00151	-.00050	.00003	.00357

Elem	Fe2599	Fe2714	K_7664	K_7664-2	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Na8183	Ni2316	Pb2203
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**.00002**	**.00030**	**.01065**	**.02925**	**.00116**	**.00008**	**.00030**	**.00020**	**.01508**	**-.00195**	**-.00054**	**-.00082**
Stddev	.00002	.00013	.00147	.00217	.00017	.00006	.00003	.00014	.00155	.00050	.00045	.00020
%RSD	123.52	44.558	13.838	7.4060	14.875	73.900	9.7835	71.066	10.259	25.587	83.289	24.413
#1	.00000	.00039	.00961	.02772	.00104	.00012	.00028	.00010	.01618	-.00231	-.00022	-.00068
#2	.00003	.00020	.01170	.03079	.00128	.00004	.00032	.00029	.01399	-.00160	-.00085	-.00096

Elem	S_1820	Sb2068	Se1960	Si2881	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**.0002**	**-.00037**	**-.00010**	**.00126**	**.00085**	**-.00140**	**-.00015**	**-.00039**	**-.00001**	**.00006**
Stddev	.0000	.00004	.00004	.00058	.00015	.00103	.00002	.00002	.00018	.00001
%RSD	23.52	11.321	41.873	45.899	17.588	73.457	11.060	5.0612	1224.0	22.620
#1	.0002	-.00040	-.00014	.00085	.00074	-.00212	-.00014	-.00038	.00011	.00007
#2	.0002	-.00034	-.00007	.00166	.00096	-.00067	-.00016	-.00040	-.00014	.00005

Int. Std.	In2306	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**2006.0**	**2810.2**	**24893.**	**4627.0**
Stddev	1.8	2.7	40.	43.3
%RSD	.09150	.09758	.16201	.93685
#1	2004.7	2808.2	24864.	4596.4
#2	2007.3	2812.1	24921.	4657.7

Sample Name: IC2 Acquired: 4/5/2012 14:36:25 Type: Cal
Method: ICAP1(v261) Mode: IR Corr. Factor: 1.000000
User: AMH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	B_2089	Ba4554	Ba4554-2	Be3130	Ca3179	Cd2288	Co2286	Cr2677	Cu3247	Fe2599
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	.01826	.07350	.01114	.04845	.35778	1.1608	.28312	.42099	.16975	.14675	.01342	.03686	.14073
Stddev	.00005	.00012	.00001	.00050	.00122	.0062	.00063	.00173	.00231	.00183	.00013	.00016	.00008
%RSD	.26020	.16581	.04806	1.0347	.34197	.53125	.22313	.41182	1.3601	1.2458	.98183	.44132	.05898
#1	.01829	.07359	.01113	.04880	.35691	1.1652	.28356	.42221	.17138	.14804	.01352	.03698	.14067
#2	.01822	.07342	.01114	.04809	.35864	1.1565	.28267	.41976	.16811	.14546	.01333	.03675	.14079

Elem	Fe2714	K_7664	K_7664-2	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Na8183	Ni2316	Pb2203	S_1820	Sb2068
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	.01285	.37028	31.980	.20044	.06339	.06545	.05596	1.3365	.04921	.03111	.01952	.2042	.00983
Stddev	.00021	.00166	.108	.00332	.00053	.00061	.00114	.0108	.00106	.00039	.00033	.0024	.00025
%RSD	1.6088	.44874	.33910	1.6573	.84212	.92908	2.0343	.80779	2.1442	1.2406	1.6814	1.154	2.5507
#1	.01299	.37145	31.903	.20279	.06377	.06588	.05676	1.3442	.04996	.03138	.01929	.2058	.01001
#2	.01270	.36910	32.057	.19809	.06301	.06502	.05515	1.3289	.04846	.03083	.01975	.2025	.00965

Elem	Se1960	Si2881	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	.00477	.07180	.03952	.56162	.02127	.01014	.02513	.00542
Stddev	.00004	.00049	.00059	.00460	.00006	.00048	.00027	.00001
%RSD	.83627	.67760	1.4863	.81883	.26013	4.7428	1.0568	.27577
#1	.00474	.07146	.03994	.56487	.02123	.01048	.02494	.00541
#2	.00479	.07215	.03910	.55837	.02131	.00980	.02532	.00543

Int. Std.	In2306	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	1997.1	2847.0	25215.	4709.2
Stddev	3.0	2.4	92.	6.8
%RSD	.15201	.08393	.36683	.14434
#1	1999.2	2848.7	25150.	4714.0
#2	1994.9	2845.3	25280.	4704.4

Sample Name: IC1 Acquired: 4/5/2012 15:09:01 Type: Cal
Method: ICAP1(v261) Mode: IR Corr. Factor: 1.000000
User: MDM Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	B_2089	Ba4554	Ba4554-2	Be3130	Ca3179	Cd2288	Co2286	Cr2677	Cu3247
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**-.00008**	**.00100**	**.00033**	**.00132**	**.01106**	**.00356**	**-.00023**	**.00359**	**.00150**	**-.00052**	**-.00001**	**.00376**
Stddev	.00017	.00025	.00000	.00030	.00050	.00044	.00044	.00028	.00019	.00011	.00004	.00009
%RSD	231.23	24.735	.94474	23.022	4.5651	12.403	191.81	7.8507	12.951	20.425	482.67	2.4283
#1	-.00020	.00083	.00034	.00154	.01070	.00325	.00008	.00339	.00136	-.00044	-.00003	.00383
#2	.00005	.00118	.00033	.00111	.01141	.00387	-.00053	.00379	.00163	-.00059	.00002	.00370

Elem	Fe2599	Fe2714	K_7664	K_7664-2	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Na8183	Ni2316	Pb2203
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**.00008**	**-.00005**	**.01060**	**.02222**	**.00224**	**.00003**	**.00027**	**.00010**	**.01146**	**-.00529**	**-.00047**	**-.00075**
Stddev	.00005	.00004	.00112	.00057	.00019	.00005	.00002	.00010	.00097	.00182	.00018	.00005
%RSD	60.619	84.041	10.597	2.5484	8.6295	183.53	8.7154	98.854	8.4536	34.328	39.007	6.9081
#1	.00005	-.00002	.00981	.02182	.00238	.00006	.00026	.00003	.01078	-.00400	-.00060	-.00072
#2	.00012	-.00008	.01140	.02262	.00210	-.00001	.00029	.00017	.01215	-.00657	-.00034	-.00079

Elem	S_1820	Sb2068	Se1960	Si2881	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**.0002**	**-.00052**	**-.00008**	**.00061**	**.00069**	**-.00121**	**-.00026**	**-.00015**	**-.00002**	**.00006**
Stddev	.0001	.00001	.00001	.00014	.00005	.00040	.00009	.00007	.00002	.00000
%RSD	84.13	2.3875	14.339	22.507	7.9304	33.227	33.444	45.824	124.85	6.1087
#1	.0002	-.00053	-.00007	.00070	.00073	-.00092	-.00032	-.00010	.00000	.00006
#2	.0001	-.00051	-.00009	.00051	.00065	-.00149	-.00020	-.00020	-.00003	.00006

Int. Std.	In2306	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**2012.8**	**2797.8**	**25131.**	**4667.1**
Stddev	8.7	12.4	53.	58.9
%RSD	.43465	.44148	.21181	1.2615
#1	2006.6	2789.0	25169.	4625.4
#2	2019.0	2806.5	25093.	4708.7

Sample Name: IC2 Acquired: 4/5/2012 15:11:46 Type: Cal
Method: ICAP1(v261) Mode: IR Corr. Factor: 1.000000
User: MDM Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	B_2089	Ba4554	Ba4554-2	Be3130	Ca3179	Cd2288	Co2286	Cr2677	Cu3247	Fe2599
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**.01850**	**.07151**	**.01101**	**.04879**	**.35110**	**1.1848**	**.28026**	**.41059**	**.17227**	**.14758**	**.01339**	**.03688**	**.13805**
Stddev	.00010	.00117	.00015	.00017	.00374	.0103	.00293	.00305	.00070	.00022	.00008	.00045	.00179
%RSD	.55951	1.6381	1.3529	.35269	1.0666	.87178	1.0454	.74370	.40877	.14854	.60237	1.2181	1.2948
#1	.01858	.07068	.01091	.04867	.34845	1.1921	.27818	.40843	.17277	.14774	.01345	.03720	.13679
#2	.01843	.07233	.01112	.04891	.35375	1.1775	.28233	.41275	.17177	.14743	.01333	.03656	.13932

Elem	Fe2714	K_7664	K_7664-2	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Na8183	Ni2316	Pb2203	S_1820	Sb2068
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**.01186**	**.36321**	**31.265**	**.19688**	**.06426**	**.06645**	**.05718**	**1.3087**	**.04616**	**.03190**	**.01956**	**.2074**	**.00987**
Stddev	.00011	.00085	.097	.00317	.00058	.00073	.00056	.0016	.00252	.00002	.00012	.0010	.00009
%RSD	.94720	.23454	.30951	1.6123	.90414	1.0954	.98401	.12237	5.4540	.07819	.61838	.4754	.88955
#1	.01193	.36261	31.197	.19464	.06467	.06696	.05758	1.3076	.04794	.03191	.01947	.2081	.00994
#2	.01178	.36381	31.334	.19912	.06385	.06593	.05678	1.3098	.04438	.03188	.01964	.2067	.00981

Elem	Se1960	Si2881	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**.00513**	**.06991**	**.03983**	**.55285**	**.02149**	**.01006**	**.02527**	**.00551**
Stddev	.00012	.00145	.00045	.00487	.00014	.00020	.00019	.00004
%RSD	2.3400	2.0692	1.1256	.88144	.64030	1.9971	.75473	.70298
#1	.00505	.06888	.04014	.54940	.02159	.00991	.02541	.00554
#2	.00522	.07093	.03951	.55629	.02140	.01020	.02514	.00548

Int. Std.	In2306	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**2003.3**	**2838.6**	**24999.**	**4803.5**
Stddev	5.6	7.5	198.	55.9
%RSD	.27908	.26527	.79009	1.1637
#1	2007.2	2843.9	24860.	4843.0
#2	1999.3	2833.3	25139.	4763.9

Sample Name: IC3 Acquired: 4/5/2012 15:14:11 Type: Cal
Method: ICAP1(v261) Mode: IR Corr. Factor: 1.000000
User: MDM Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	B_2089	Ba4554	Ba4554-2	Be3130	Ca3179	Cd2288	Co2286	Cr2677	Cu3247	Fe2599
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**.09342**	**.35320**	**.05617**	**.24314**	**1.7272**	**5.8285**	**1.3869**	**2.0275**	**.86792**	**.76521**	**.06606**	**.16789**	**.68996**
Stddev	.00014	.00135	.00118	.00375	.0029	.0372	.0028	.0024	.01404	.01188	.00031	.00081	.00117
%RSD	.15244	.38109	2.1069	1.5420	.17050	.63750	.20057	.11942	1.6174	1.5526	.47293	.48178	.16899
#1	.09332	.35415	.05701	.24579	1.7251	5.8023	1.3849	2.0258	.87784	.77361	.06584	.16732	.68914
#2	.09352	.35224	.05533	.24049	1.7293	5.8548	1.3889	2.0292	.85799	.75681	.06628	.16847	.69078

Elem	Fe2714	K_7664	K_7664-2	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Na8183	Ni2316	Pb2203	S_1820	Sb2068
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**.06313**	**1.7984**	**180.29**	**.97772**	**.31951**	**.32607**	**.28711**	**6.5656**	**.24870**	**.16427**	**.10369**	**1.065**	**.05098**
Stddev	.00001	.0039	2.81	.00010	.00160	.00088	.00564	.0051	.00283	.00222	.00181	.014	.00106
%RSD	.01458	.21495	1.5563	.00981	.50223	.27103	1.9658	.07733	1.1371	1.3486	1.7490	1.308	2.0749
#1	.06314	1.8011	178.31	.97766	.31838	.32544	.29110	6.5692	.25070	.16584	.10498	1.075	.05173
#2	.06312	1.7957	182.28	.97779	.32065	.32669	.28312	6.5620	.24670	.16271	.10241	1.055	.05023

Elem	Se1960	Si2881	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**.02569**	**.34430**	**.20605**	**2.7758**	**.10891**	**.05288**	**.12478**	**.02717**
Stddev	.00089	.00097	.00297	.0033	.00050	.00133	.00026	.00016
%RSD	3.4746	.28235	1.4431	.11873	.46066	2.5061	.20477	.58948
#1	.02632	.34361	.20815	2.7781	.10855	.05381	.12460	.02706
#2	.02506	.34499	.20395	2.7735	.10926	.05194	.12496	.02728

Int. Std.	In2306	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**1877.3**	**2774.0**	**24643.**	**4778.6**
Stddev	16.4	26.7	92.	10.7
%RSD	.87619	.96239	.37469	.22294
#1	1865.7	2755.1	24708.	4786.2
#2	1888.9	2792.9	24578.	4771.1

Sample Name: IC4 Acquired: 4/5/2012 15:16:28 Type: Cal
Method: ICAP1(v261) Mode: IR Corr. Factor: 1.000000
User: MDM Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	B_2089	Ba4554	Ba4554-2	Be3130	Ca3179	Cd2288	Co2286	Cr2677	Cu3247	Fe2599
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	.19057	.70299	.11118	.47730	3.4145	11.497	2.7237	4.0062	1.7186	1.5365	.13278	.33729	1.3611
Stddev	.00097	.00943	.00042	.00373	.0561	.066	.0342	.0511	.0153	.0117	.00115	.00282	.0157
%RSD	.50790	1.3417	.37962	.78210	1.6425	.57183	1.2550	1.2754	.88829	.75823	.86291	.83705	1.1535
#1	.18989	.69632	.11148	.47994	3.3749	11.450	2.6995	3.9700	1.7294	1.5448	.13197	.33530	1.3500
#2	.19126	.70966	.11088	.47466	3.4542	11.543	2.7479	4.0423	1.7078	1.5283	.13359	.33929	1.3722

Elem	Fe2714	K_7664	K_7664-2	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Na8183	Ni2316	Pb2203	S_1820	Sb2068
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	.12319	3.5796	372.89	1.9468	.64295	.64775	.56351	13.103	.49915	.33004	.20778	2.132	.10198
Stddev	.00093	.0514	3.80	.0311	.00613	.00576	.00302	.196	.00577	.00213	.00173	.014	.00143
%RSD	.75868	1.4358	1.0195	1.5986	.95326	.88951	.53674	1.4937	1.1565	.64473	.83450	.6494	1.4004
#1	.12253	3.5433	370.20	1.9248	.63862	.64368	.56565	12.965	.49507	.33154	.20901	2.141	.10299
#2	.12385	3.6159	375.58	1.9688	.64729	.65183	.56137	13.242	.50323	.32853	.20656	2.122	.10097

Elem	Se1960	Si2881	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	.05157	.67733	.41407	5.4877	.21917	.10460	.25347	.05447
Stddev	.00071	.00932	.00426	.0971	.00187	.00107	.00370	.00073
%RSD	1.3693	1.3755	1.0283	1.7694	.85335	1.0205	1.4589	1.3357
#1	.05207	.67074	.41708	5.4190	.21785	.10535	.25085	.05396
#2	.05107	.68392	.41106	5.5563	.22050	.10384	.25608	.05499

Int. Std.	In2306	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	1804.8	2751.9	23889.	4790.9
Stddev	2.3	.2	266.	12.4
%RSD	.12994	.00621	1.1117	.25987
#1	1803.1	2751.7	24077.	4799.7
#2	1806.4	2752.0	23701.	4782.1

Sample Name: ICV-662363 Acquired: 4/5/2012 15:18:50 Type: QC
Method: ICAP1(v261) Mode: CONC Corr. Factor: 1.000000
User: MDM Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	B_2089	Ba4554-2	Be3130	Ca3179	Cd2288	Co2286	Cr2677	Cu3247	Fe2599
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.36422	18.498	.36184	.38215	.37751	.36925	18.573	.36903	.35904	.37029	.36479	18.775
Stddev	.00105	.405	.00335	.00069	.00255	.00739	.377	.00061	.00071	.00040	.00263	.377
%RSD	.28727	2.1886	.92617	.18166	.67523	2.0012	2.0310	.16468	.19889	.10737	.72167	2.0089
#1	.36348	18.212	.35947	.38165	.37571	.36402	18.306	.36860	.35954	.37001	.36293	18.508
#2	.36496	18.784	.36421	.38264	.37931	.37447	18.840	.36946	.35853	.37057	.36665	19.042
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value												
Range												

Elem	K_7664	K_7664-2	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203	S_1820	Sb2068	Se1960
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	18.255	W 17.429	.36437	18.577	.37947	.37361	18.198	.36373	.36855	18.88	.37233	.36323
Stddev	.309	.078	.00835	.164	.00264	.00116	.374	.00149	.00117	.02	.00431	.00177
%RSD	1.6901	.44919	2.2922	.88088	.69448	.31109	2.0544	.40928	.31684	.1199	1.1574	.48783
#1	18.037	17.374	.35846	18.462	.37760	.37279	17.934	.36478	.36937	18.87	.37538	.36448
#2	18.473	17.484	.37027	18.693	.38133	.37443	18.463	.36268	.36772	18.90	.36928	.36198
Check ?	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value		18.750										
Range		-5.0000%										

Elem	Si2881	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	18.682	.37736	.36542	.37492	.37143	.36853	.36887
Stddev	.379	.00157	.00756	.00110	.00677	.00302	.00188
%RSD	2.0302	.41635	2.0700	.29326	1.8219	.82025	.50877
#1	18.414	.37847	.36008	.37414	.37621	.36640	.36754
#2	18.951	.37625	.37077	.37570	.36664	.37067	.37020
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value							
Range							

Int. Std.	In2306	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	1910.4	2792.6	24563.	4796.6
Stddev	5.7	2.6	186.	70.8
%RSD	.29858	.09432	.75846	1.4769
#1	1906.4	2794.5	24695.	4846.6
#2	1914.4	2790.8	24432.	4746.5

Sample Name: ICB-665389 Acquired: 4/5/2012 15:21:08 Type: QC
Method: ICAP1(v261) Mode: CONC Corr. Factor: 1.000000
User: MDM Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	B_2089	Ba4554-2	Be3130	Ca3179	Cd2288	Co2286	Cr2677	Cu3247	Fe2599	K_7664
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00106**	**-.00235**	**-.00109**	**.00122**	**.00009**	**.00032**	**-.00161**	**.00017**	**.00012**	**.00017**	**.00010**	**.00951**	**-.00594**
Stddev	.00033	.00667	.00197	.00020	.00002	.00010	.00352	.00001	.00003	.00060	.00044	.00076	.00096
%RSD	31.043	284.45	179.97	15.975	24.686	30.281	218.53	3.4526	27.699	343.07	436.71	7.9780	16.169
#1	-.00129	-.00706	-.00248	.00136	.00010	.00025	.00088	.00018	.00014	-.00025	.00041	.00897	-.00662
#2	-.00083	.00237	.00030	.00109	.00007	.00039	-.00409	.00017	.00010	.00060	-.00021	.01005	-.00526
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit													
Low Limit													

Elem	K_7664-2	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00309**	**-.00117**	**.00422**	**.00010**	**.00013**	**.00890**	**.00008**	**.00103**	**.0005**	**.00185**	**.00007**	**.03149**	**.00005**
Stddev	.00048	.00053	.00059	.00010	.00001	.00726	.00008	.00229	.0008	.00328	.00638	.01912	.00017
%RSD	15.641	44.995	13.968	96.129	4.2135	81.533	103.11	223.61	147.3	177.70	8928.0	60.717	361.91
#1	.00344	-.00080	.00381	.00017	.00014	.01403	.00002	.00265	.0011	.00417	-.00444	.01797	.00016
#2	.00275	-.00154	.00464	.00003	.00013	.00377	.00013	-.00060	.0000	-.00047	.00458	.04500	-.00007
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit													
Low Limit													

Elem	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm
Avg	**.00007**	**.00019**	**.00159**	**-.00054**	**-.00053**
Stddev	.00004	.00063	.00076	.00017	.00079
%RSD	53.202	332.50	47.674	31.408	149.67
#1	.00010	.00063	.00105	-.00066	.00003
#2	.00005	-.00026	.00213	-.00042	-.00109
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Int. Std.	In2306	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**2006.5**	**2799.0**	**24714.**	**4752.2**
Stddev	2.6	3.2	520.	1.0
%RSD	.12885	.11546	2.1022	.02053
#1	2008.4	2801.3	25081.	4751.5
#2	2004.7	2796.7	24347.	4752.9

Sample Name: CRI-649194 Acquired: 4/5/2012 15:23:31 Type: QC
Method: ICAP1(v261) Mode: CONC Corr. Factor: 1.000000
User: MDM Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	B_2089	Ba4554-2	Be3130	Ca3179	Cd2288	Co2286	Cr2677	Cu3247	Fe2599
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	W .00171	.22533	.01068	.02119	.00215	.00209	.50280	.00114	.00400	.00421	.00951	.04180
Stddev	.00054	.00624	.00051	.00028	.00001	.00005	.00838	.00014	.00004	.00028	.00022	.00768
%RSD	31.291	2.7690	4.7909	1.3303	.46954	2.2806	1.6670	12.317	1.0633	6.5565	2.3155	18.373
#1	.00133	.22974	.01104	.02139	.00216	.00213	.49687	.00124	.00397	.00401	.00967	.04723
#2	.00209	.22092	.01032	.02099	.00214	.00206	.50872	.00104	.00403	.00441	.00935	.03637
Check ?	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value	.00300											
Range	-30.000%											

Elem	K_7664	K_7664-2	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203	S_1820	Sb2068	Se1960
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.45124	.38096	.02881	.20137	.00331	.01003	.96411	.00930	.00581	F .0133	.02266	.01097
Stddev	.01932	.00205	.00035	.00309	.00021	.00032	.02648	.00049	.00119	.0012	.00150	.00417
%RSD	4.2810	.53886	1.2222	1.5348	6.3919	3.2331	2.7464	5.2361	20.434	8.899	6.6244	37.970
#1	.43758	.37951	.02856	.19919	.00316	.01026	.94539	.00965	.00497	.0141	.02373	.01392
#2	.46489	.38242	.02906	.20356	.00346	.00980	.98283	.00896	.00665	.0125	.02160	.00803
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass
Value										.0030		
Range										50.00%		

Elem	Si2881	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.52793	W .00634	.00485	.00569	.01882	.00370	.00894
Stddev	.00403	.00002	.00012	.00064	.00107	.00058	.00003
%RSD	.76366	.29509	2.4071	11.190	5.6901	15.818	.28673
#1	.53078	.00635	.00477	.00615	.01806	.00328	.00896
#2	.52508	.00633	.00494	.00524	.01957	.00411	.00892
Check ?	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value		.01000					
Range		-30.000%					

Int. Std.	In2306	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2042.5	2845.4	25383.	4802.5
Stddev	4.4	.9	17.	47.7
%RSD	.21756	.03100	.06545	.99354
#1	2045.7	2846.0	25372.	4836.3
#2	2039.4	2844.8	25395.	4768.8

Sample Name: ICSA-659146 Acquired: 4/5/2012 15:25:53 Type: QC
Method: ICAP1(v261) Mode: CONC Corr. Factor: 1.000000
User: MDM Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	B_2089	Ba4554-2	Be3130	Ca3179	Cd2288	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00250**	**510.73**	**.00618**	**-.00051**	**.00053**	**.00008**	**492.68**	**.00262**	**.00000**	**.00251**	**.00225**	**191.72**	**-.03876**
Stddev	.00176	8.82	.00280	.00055	.00002	.00001	9.72	.00012	.00024	.00121	.00006	3.24	.01342
%RSD	70.505	1.7278	45.370	107.83	3.8089	14.976	1.9732	4.4196	4478300.	48.126	2.6626	1.6920	34.617
#1	-.00125	504.49	.00420	-.00090	.00054	.00009	485.81	.00254	-.00017	.00336	.00221	189.43	-.04824
#2	-.00375	516.97	.00816	-.00012	.00051	.00007	499.56	.00270	.00017	.00165	.00229	194.01	-.02927
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit													
Low Limit													

Elem	K_7664-2	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00158**	**.00625**	**526.65**	**.00196**	**-.00122**	**.02527**	**.00004**	**.00042**	F **-.1063**	**-.01510**	**.00332**	**.03206**	**.00152**
Stddev	.00018	.00116	9.34	.00002	.00018	.01081	.00241	.00357	.0022	.00706	.00475	.02461	.00011
%RSD	11.188	18.584	1.7729	.94194	14.445	42.778	6299.8	857.70	2.087	46.760	143.10	76.766	7.0762
#1	.00171	.00707	533.25	.00197	-.00134	.01762	.00174	-.00211	-.1079	-.02009	.00668	.04946	.00160
#2	.00146	.00543	520.04	.00194	-.00109	.03291	-.00166	.00294	-.1047	-.01011	-.00004	.01466	.00145
Check ?	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	None	Chk Pass
High Limit									.0060				
Low Limit									-.0060				

Elem	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm
Avg	**.00052**	**.00407**	**-.00230**	**.00458**	**-.00136**
Stddev	.00003	.00017	.00321	.00110	.00021
%RSD	5.6447	4.2281	139.81	24.049	15.443
#1	.00055	.00395	-.00003	.00536	-.00151
#2	.00050	.00419	-.00457	.00380	-.00121
Check ?	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Int. Std.	In2306	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**1516.8**	**2495.0**	**20948.**	**4573.8**
Stddev	.6	1.9	335.	87.9
%RSD	.03941	.07639	1.6003	1.9229
#1	1517.2	2493.7	20711.	4636.0
#2	1516.4	2496.3	21185.	4511.6

Sample Name: ICSAB-662364 Acquired: 4/5/2012 15:28:12 Type: QC
Method: ICAP1(v261) Mode: CONC Corr. Factor: 1.000000
User: MDM Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	B_2089	Ba4554	Be3130	Ca3179	Cd2288	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.17234	506.70	.11429	.00609	.50148	.52191	488.57	1.0455	.50830	.50192	.55155	95.847	-.01009
Stddev	.00193	18.58	.00136	.00102	.01929	.01965	17.25	.0015	.00175	.00047	.00218	3.354	.03021
%RSD	1.1192	3.6675	1.1887	16.817	3.8476	3.7656	3.5313	.14822	.34474	.09441	.39521	3.4989	299.35
#1	.17371	493.56	.11525	.00681	.48783	.50801	476.37	1.0466	.50954	.50225	.55309	93.475	.01127
#2	.17098	519.84	.11333	.00536	.51512	.53581	500.77	1.0444	.50706	.50158	.55001	98.218	-.03146
Check ?	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None
Value													
Range													

Elem	K_7664-2	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.01056	.52550	534.17	.48518	-.00030	.04958	.98415	.04364	F -.0023	.58915	.05145	1.0920	.00216
Stddev	.00084	.01939	3.13	.00316	.00069	.00515	.00752	.00124	.0122	.00622	.00793	.0863	.00055
%RSD	7.9991	3.6891	.58543	.65060	226.15	10.384	.76417	2.8383	521.9	1.0551	15.417	7.9049	25.408
#1	.00997	.51179	536.38	.48741	.00018	.05322	.98947	.04276	.0063	.59354	.04584	1.0310	.00255
#2	.01116	.53921	531.96	.48294	-.00079	.04594	.97883	.04451	-.0109	.58475	.05706	1.1530	.00177
Check ?	None	None	Chk Pass	Chk Pass	None	None	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	None
Value									.2000				
Range									-20.00%				

Elem	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm
Avg	.49275	.00353	.09914	.51817	1.0190
Stddev	.01677	.00070	.00028	.00247	.0133
%RSD	3.4026	19.884	.28543	.47591	1.3011
#1	.48090	.00402	.09934	.51991	1.0283
#2	.50461	.00303	.09894	.51642	1.0096
Check ?	None	None	Chk Pass	Chk Pass	Chk Pass
Value					
Range					

Int. Std.	In2306	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	1532.8	2496.8	21287.	4537.4
Stddev	3.2	7.0	132.	123.8
%RSD	.20823	.27922	.61922	2.7286
#1	1530.6	2491.9	21194.	4625.0
#2	1535.1	2501.8	21380.	4449.9

Sample Name: CCV-665391 Acquired: 4/5/2012 15:30:26 Type: QC
Method: ICAP1(v261) Mode: CONC Corr. Factor: 1.000000
User: MDM Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	B_2089	Ba4554	Be3130	Ca3179	Cd2288	Co2286	Cr2677	Cu3247	Fe2599	K_7664
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.48227**	**25.432**	**.48613**	**.47780**	**.50155**	**.50227**	**25.425**	**.49002**	**.48144**	**.49684**	**.49257**	**25.518**	**24.843**
Stddev	.00456	.743	.00046	.00099	.01535	.01257	.702	.00038	.00056	.00364	.00186	.686	.707
%RSD	.94558	2.9218	.09494	.20676	3.0606	2.5021	2.7616	.07691	.11689	.73207	.37848	2.6866	2.8439
#1	.48550	24.906	.48646	.47850	.49070	.49338	24.929	.49029	.48183	.49941	.49389	25.033	24.344
#2	.47905	25.957	.48581	.47710	.51240	.51116	25.922	.48975	.48104	.49426	.49126	26.003	25.343
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value													
Range													

Elem	K_7664-2	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**24.325**	**.49825**	**24.527**	**.50287**	**.49004**	**24.761**	**.48947**	**.48472**	**24.70**	**.49483**	**.49326**	**24.758**	**.50389**
Stddev	.988	.01479	.092	.00129	.00130	.741	.00145	.00050	.05	.00111	.00485	.713	.00062
%RSD	4.0624	2.9676	.37583	.25578	.26516	2.9931	.29562	.10337	.1987	.22491	.98328	2.8818	.12275
#1	23.626	.48780	24.592	.50378	.49095	24.237	.49050	.48437	24.73	.49562	.48983	24.253	.50345
#2	25.024	.50871	24.461	.50197	.48912	25.286	.48845	.48507	24.66	.49404	.49669	25.262	.50433
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value													
Range													

Elem	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm
Avg	**.49284**	**.49419**	**.48911**	**.49852**	**.48990**
Stddev	.01406	.00319	.00022	.00238	.00103
%RSD	2.8524	.64450	.04569	.47796	.20931
#1	.48290	.49644	.48926	.50020	.49062
#2	.50279	.49194	.48895	.49683	.48917
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value					
Range					

Int. Std.	In2306	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**1885.1**	**2789.6**	**24459.**	**4726.9**
Stddev	.6	1.0	142.	131.3
%RSD	.03435	.03696	.58029	2.7786
#1	1885.5	2788.9	24359.	4819.8
#2	1884.6	2790.4	24559.	4634.0

Sample Name: CCB-665389 Acquired: 4/5/2012 15:32:43 Type: QC
Method: ICAP1(v261) Mode: CONC Corr. Factor: 1.000000
User: MDM Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	B_2089	Ba4554-2	Be3130	Ca3179	Cd2288	Co2286	Cr2677	Cu3247	Fe2599	K_7664
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00046**	**-.00139**	**.00148**	**.00049**	**.00006**	**.00008**	**.00112**	**-.00011**	**-.00001**	**.00001**	**-.00073**	**-.00013**	**-.01551**
Stddev	.00019	.02815	.00166	.00006	.00001	.00001	.00234	.00005	.00005	.00015	.00016	.00476	.01222
%RSD	42.240	2021.8	112.28	12.317	25.478	16.700	209.70	44.892	879.26	1484.6	21.871	3713.5	78.754
#1	-.00060	.01851	.00265	.00054	.00005	.00009	-.00054	-.00008	-.00004	-.00009	-.00062	.00324	-.02415
#2	-.00032	-.02130	.00030	.00045	.00006	.00007	.00277	-.00014	.00003	.00011	-.00084	-.00349	-.00687
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit													
Low Limit													

Elem	K_7664-2	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00157**	**-.00040**	**.01116**	**.00014**	**.00024**	**.00072**	**-.00009**	**.00168**	**.0007**	**.00238**	**.00428**	**.01638**	**.00004**
Stddev	.00015	.00104	.00101	.00001	.00011	.00639	.00053	.00063	.0023	.00021	.00387	.03831	.00046
%RSD	9.2792	256.62	9.0162	10.066	45.312	886.78	569.37	37.816	332.2	8.9480	90.411	233.87	1310.1
#1	.00167	-.00114	.01045	.00013	.00016	.00524	.00028	.00212	-.0009	.00253	.00154	.04347	-.00029
#2	.00147	.00033	.01187	.00015	.00032	-.00380	-.00047	.00123	.0023	.00223	.00701	-.01071	.00036
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit													
Low Limit													

Elem	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm
Avg	**-.00008**	**-.00015**	**.00168**	**-.00031**	**-.00091**
Stddev	.00009	.00031	.00010	.00004	.00052
%RSD	112.24	204.17	5.9695	14.041	57.277
#1	-.00014	-.00037	.00161	-.00028	-.00054
#2	-.00002	.00007	.00175	-.00034	-.00128
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Int. Std.	In2306	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**2008.1**	**2800.5**	**24817.**	**4662.6**
Stddev	.7	4.8	3.	9.3
%RSD	.03725	.17058	.01354	.19860
#1	2008.6	2797.1	24819.	4669.2
#2	2007.6	2803.8	24814.	4656.1

Sample Name: 480-17223-B-1-A@20 Acquired: 4/5/2012 15:35:04 Type: Unk
Method: ICAP1(v261) Mode: CONC Corr. Factor: 1.000000
User: MDM Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	B_2089	Ba4554-2	Be3130	Ca3179	Cd2288	Co2286
Line	328.068 {103}	308.215 {109}	189.042 {478}	208.959 {461}	455.403 { 74}2	313.042 {108}	317.933 {106}	228.802 {447}	228.616 {447}
IS Ref	(Y_3600)	(Y_3774)	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3774)	(Y_3774)	(Y_2243)	(In2306)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00091**	**.06373**	**-.00073**	**.09835**	**.00045**	**.00023**	**22.132**	**.00062**	**.00055**
Stddev	.00063	.00655	.00038	.00091	.00000	.00011	.086	.00025	.00001
%RSD	69.142	10.281	52.556	.92905	.23590	50.079	.38840	40.000	1.5623
#1	-.00047	.06837	-.00100	.09900	.00045	.00015	22.193	.00044	.00055
#2	-.00136	.05910	-.00046	.09771	.00045	.00031	22.071	.00079	.00056
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Cr2677	Cu3247	Fe2599	K_7664	K_7664-2	Li6707	Mg2790	Mn2576	Mo2020
Line	267.716 {126}	324.754 {104}	259.940 {130}	766.490 { 44}	766.490 { 44}2	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}
IS Ref	(Y_3600)	(Y_3600)	(Y_3774)	(Y_3774)	(Y_3774)	(Y_3774)	(Y_3600)	(Y_3600)	(Y_2243)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00006**	**.00114**	**.00922**	**.60700**	**.84660**	**.07868**	**161.92**	**.19996**	**.00007**
Stddev	.00014	.00008	.00147	.00727	.00540	.00016	.17	.00046	.00011
%RSD	242.00	7.1693	15.934	1.1978	.63751	.20499	.10348	.23142	151.11
#1	-.00015	.00108	.01026	.60186	.85041	.07857	162.03	.19964	.00014
#2	.00004	.00119	.00818	.61214	.84278	.07879	161.80	.20029	.00000
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Na8183	Ni2316	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899	Sr4077
Line	818.326 { 41}	231.604 {446}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}2	189.989 {477}	407.771 { 83}
IS Ref	(Y_3774)	(In2306)	(In2306)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3774)	(In2306)	(Y_3774)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**317.15**	**.00003**	**-.00142**	F **421.7**	**.00307**	**.03045**	**.37103**	**-.00033**	**.63381**
Stddev	.72	.00049	.00083	1.1	.00165	.00442	.06577	.00073	.00137
%RSD	.22846	1753.7	58.883	.2584	53.685	14.498	17.728	220.70	.21590
#1	316.63	-.00032	-.00083	422.5	.00190	.03358	.32452	-.00084	.63477
#2	317.66	.00037	-.00201	420.9	.00423	.02733	.41754	.00018	.63284
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				25.00					
Low Limit				-.0100					

Elem	Ti3349	Tl1908	V_2924	Zn2062
Line	334.904 {101}	190.856 {477}	292.402 {115}	206.200 {163}
IS Ref	(Y_3600)	(In2306)	(Y_3600)	(Y_3600)
Units	ppm	ppm	ppm	ppm
Avg	**.00114**	**.00143**	**-.00007**	**-.00069**
Stddev	.00000	.00016	.00089	.00016
%RSD	.00250	11.479	1241.3	22.573
#1	.00114	.00132	-.00070	-.00058
#2	.00114	.00155	.00056	-.00080
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				
Low Limit				

Int. Std.	In2306	Y_2243	Y_3600	Y_3774
Line	230.606 {446}	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**1702.8**	**2637.4**	**22853.**	**4601.6**
Stddev	.6	.3	11.	32.2
%RSD	.03238	.01127	.04710	.69943
#1	1702.4	2637.2	22860.	4578.9
#2	1703.2	2637.7	22845.	4624.4

Sample Name: 480-17223-B-2-A@20 Acquired: 4/5/2012 15:37:28 Type: Unk
Method: ICAP1(v261) Mode: CONC Corr. Factor: 1.000000
User: MDM Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	B_2089	Ba4554-2	Be3130	Ca3179	Cd2288	Co2286
Line	328.068 {103}	308.215 {109}	189.042 {478}	208.959 {461}	455.403 { 74}2	313.042 {108}	317.933 {106}	228.802 {447}	228.616 {447}
IS Ref	(Y_3600)	(Y_3774)	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3774)	(Y_3774)	(Y_2243)	(In2306)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00098**	**.05665**	**-.00006**	**.07721**	**.00047**	**.00025**	**22.581**	**.00053**	**.00161**
Stddev	.00029	.01603	.00134	.00009	.00003	.00012	.168	.00001	.00020
%RSD	29.374	28.289	2192.9	.11189	6.7404	46.745	.74607	1.7332	12.351
#1	-.00119	.04532	-.00101	.07728	.00045	.00017	22.462	.00053	.00175
#2	-.00078	.06798	.00089	.07715	.00049	.00033	22.700	.00054	.00147
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Cr2677	Cu3247	Fe2599	K_7664	K_7664-2	Li6707	Mg2790	Mn2576	Mo2020
Line	267.716 {126}	324.754 {104}	259.940 {130}	766.490 { 44}	766.490 { 44}2	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}
IS Ref	(Y_3600)	(Y_3600)	(Y_3774)	(Y_3774)	(Y_3774)	(Y_3774)	(Y_3600)	(Y_3600)	(Y_2243)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00123**	**-.00027**	**.00459**	**.38405**	**.49719**	**.06065**	**132.11**	**.41714**	**.00045**
Stddev	.00006	.00025	.00195	.00046	.00801	.00064	.21	.00122	.00010
%RSD	5.2431	91.960	42.484	.12028	1.6113	1.0483	.15732	.29194	23.009
#1	.00119	-.00009	.00321	.38438	.49153	.06020	132.26	.41800	.00038
#2	.00128	-.00045	.00597	.38373	.50286	.06110	131.96	.41628	.00053
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Na8183	Ni2316	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899	Sr4077
Line	818.326 { 41}	231.604 {446}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}2	189.989 {477}	407.771 { 83}
IS Ref	(Y_3774)	(In2306)	(In2306)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3774)	(In2306)	(Y_3774)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**245.43**	**.00143**	**.00150**	F **322.0**	**.00115**	**.00691**	**.51078**	**.00011**	**.87139**
Stddev	.85	.00044	.00230	2.3	.00241	.00583	.01418	.00017	.00737
%RSD	.34443	30.531	153.57	.7105	209.69	84.319	2.7769	166.12	.84624
#1	244.83	.00112	.00312	323.6	.00285	.01104	.52081	.00023	.86617
#2	246.02	.00174	-.00013	320.4	-.00055	.00279	.50075	-.00002	.87660
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				25.00					
Low Limit				-.0100					

Elem	Ti3349	Tl1908	V_2924	Zn2062
Line	334.904 {101}	190.856 {477}	292.402 {115}	206.200 {163}
IS Ref	(Y_3600)	(In2306)	(Y_3600)	(Y_3600)
Units	ppm	ppm	ppm	ppm
Avg	**.00031**	**.00008**	**.00020**	**-.00025**
Stddev	.00001	.00044	.00008	.00062
%RSD	3.6739	561.55	41.977	248.51
#1	.00031	-.00023	.00026	.00019
#2	.00030	.00039	.00014	-.00068
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				
Low Limit				

Int. Std.	In2306	Y_2243	Y_3600	Y_3774
Line	230.606 {446}	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**1737.1**	**2661.4**	**22968.**	**4603.6**
Stddev	2.6	4.4	130.	27.1
%RSD	.14886	.16610	.56451	.58906
#1	1735.3	2658.2	22876.	4622.8
#2	1739.0	2664.5	23060.	4584.4

Sample Name: 480-17223-B-3-A@20 Acquired: 4/5/2012 15:39:55 Type: Unk
Method: ICAP1(v261) Mode: CONC Corr. Factor: 1.000000
User: MDM Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	B_2089	Ba4554-2	Be3130	Ca3179	Cd2288	Co2286
Line	328.068 {103}	308.215 {109}	189.042 {478}	208.959 {461}	455.403 { 74}2	313.042 {108}	317.933 {106}	228.802 {447}	228.616 {447}
IS Ref	(Y_3600)	(Y_3774)	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3774)	(Y_3774)	(Y_2243)	(In2306)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00004**	**.02002**	**.00187**	**.07669**	**.00045**	**.00010**	**21.826**	**.00055**	**.00143**
Stddev	.00035	.02838	.00420	.00090	.00003	.00003	.059	.00001	.00006
%RSD	884.51	141.75	223.90	1.1672	7.5380	32.424	.26854	1.6976	4.3232
#1	-.00021	-.00005	-.00109	.07732	.00043	.00013	21.867	.00056	.00147
#2	.00029	.04009	.00484	.07605	.00047	.00008	21.785	.00054	.00138
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Cr2677	Cu3247	Fe2599	K_7664	K_7664-2	Li6707	Mg2790	Mn2576	Mo2020
Line	267.716 {126}	324.754 {104}	259.940 {130}	766.490 { 44}	766.490 { 44}2	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}
IS Ref	(Y_3600)	(Y_3600)	(Y_3774)	(Y_3774)	(Y_3774)	(Y_3774)	(Y_3600)	(Y_3600)	(Y_2243)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00069**	**.00033**	**.00917**	**.35047**	**.46449**	**.05764**	**126.80**	**.37710**	**.00025**
Stddev	.00030	.00041	.00760	.00852	.00237	.00148	.02	.00105	.00019
%RSD	43.883	124.05	82.901	2.4301	.51070	2.5690	.01535	.27771	74.574
#1	.00048	.00004	.00379	.34445	.46281	.05869	126.78	.37636	.00012
#2	.00091	.00063	.01454	.35650	.46616	.05660	126.81	.37784	.00039
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Na8183	Ni2316	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899	Sr4077
Line	818.326 { 41}	231.604 {446}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}2	189.989 {477}	407.771 { 83}
IS Ref	(Y_3774)	(In2306)	(In2306)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3774)	(In2306)	(Y_3774)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**237.83**	**.00083**	**.00323**	F **309.7**	**.00018**	**.01335**	**.48373**	**-.00026**	**.87522**
Stddev	.18	.00056	.00109	2.1	.00128	.00680	.02092	.00003	.00130
%RSD	.07645	68.215	33.683	.6659	722.96	50.924	4.3249	13.098	.14846
#1	237.70	.00043	.00246	311.1	-.00073	.01816	.49852	-.00029	.87614
#2	237.96	.00122	.00400	308.2	.00108	.00854	.46893	-.00024	.87431
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				25.00					
Low Limit				-.0100					

Elem	Ti3349	Tl1908	V_2924	Zn2062
Line	334.904 {101}	190.856 {477}	292.402 {115}	206.200 {163}
IS Ref	(Y_3600)	(In2306)	(Y_3600)	(Y_3600)
Units	ppm	ppm	ppm	ppm
Avg	**-.00021**	**.00251**	**-.00021**	**-.00049**
Stddev	.00046	.00082	.00037	.00105
%RSD	220.40	32.631	177.33	215.48
#1	-.00053	.00309	-.00047	.00025
#2	.00012	.00193	.00005	-.00123
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				
Low Limit				

Int. Std.	In2306	Y_2243	Y_3600	Y_3774
Line	230.606 {446}	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**1751.1**	**2668.3**	**23193.**	**4651.2**
Stddev	3.6	9.8	6.	8.7
%RSD	.20694	.36739	.02734	.18725
#1	1748.6	2661.4	23197.	4657.4
#2	1753.7	2675.3	23188.	4645.0

Sample Name: CCV Acquired: 4/5/2012 15:42:24 Type: QC
Method: ICAP1(v261) Mode: CONC Corr. Factor: 1.000000
User: MDM Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	B_2089	Ba4554	Be3130	Ca3179	Cd2288	Co2286	Cr2677	Cu3247	Fe2599	K_7664
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.48515**	**25.473**	**.48480**	**.47648**	**.50151**	**.50703**	**25.537**	**.49243**	**.48384**	**.49692**	**.49361**	**25.729**	**24.898**
Stddev	.00139	.037	.00141	.00258	.00245	.00354	.133	.00009	.00157	.00283	.00144	.138	.032
%RSD	.28586	.14636	.29073	.54159	.48862	.69883	.52147	.01759	.32447	.56979	.29202	.53721	.13023
#1	.48417	25.499	.48579	.47466	.50324	.50954	25.631	.49236	.48495	.49492	.49259	25.826	24.921
#2	.48613	25.446	.48380	.47830	.49978	.50453	25.443	.49249	.48273	.49893	.49463	25.631	24.875
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value													
Range													

Elem	K_7664-2	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**24.192**	**.50134**	**24.615**	**.50571**	**.49481**	**24.857**	**.49186**	**.48749**	**24.85**	**.49727**	**.49569**	**24.977**	**.50318**
Stddev	.409	.00224	.065	.00239	.00025	.094	.00115	.00143	.02	.00444	.00054	.018	.00010
%RSD	1.6919	.44739	.26358	.47262	.05039	.37692	.23335	.29384	.0862	.89228	.10987	.07316	.01964
#1	24.482	.50293	24.569	.50402	.49499	24.923	.49267	.48648	24.83	.50041	.49608	24.964	.50325
#2	23.903	.49975	24.661	.50740	.49464	24.790	.49105	.48851	24.86	.49413	.49531	24.989	.50311
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value													
Range													

Elem	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm
Avg	**.49295**	**.49523**	**.49273**	**.49848**	**.49413**
Stddev	.00118	.00009	.00521	.00360	.00361
%RSD	.23855	.01900	1.0572	.72160	.73086
#1	.49378	.49530	.49641	.49594	.49157
#2	.49211	.49517	.48905	.50103	.49668
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value					
Range					

Int. Std.	In2306	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**1883.2**	**2785.2**	**24361.**	**4673.1**
Stddev	7.8	2.8	191.	40.9
%RSD	.41679	.09908	.78431	.87597
#1	1877.6	2783.2	24496.	4644.1
#2	1888.7	2787.1	24226.	4702.0

Sample Name: CCB Acquired: 4/5/2012 15:44:41 Type: QC
Method: ICAP1(v261) Mode: CONC Corr. Factor: 1.000000
User: MDM Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	B_2089	Ba4554-2	Be3130	Ca3179	Cd2288	Co2286	Cr2677	Cu3247	Fe2599	K_7664
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00087**	**.03478**	**.00089**	**.00086**	**.00002**	**.00018**	**-.00566**	**-.00005**	**.00011**	**-.00051**	**-.00052**	**-.00069**	**.02118**
Stddev	.00081	.02184	.00114	.00034	.00002	.00004	.00227	.00027	.00002	.00082	.00017	.00241	.01497
%RSD	93.738	62.794	128.56	39.545	80.187	19.543	40.147	535.58	18.622	160.57	33.768	349.38	70.680
#1	-.00029	.05022	.00170	.00111	.00003	.00015	-.00727	.00014	.00012	.00007	-.00064	-.00240	.01059
#2	-.00144	.01934	.00008	.00062	.00001	.00020	-.00405	-.00024	.00009	-.00109	-.00039	.00101	.03176
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit													
Low Limit													

Elem	K_7664-2	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00101**	**.00095**	**.00372**	**.00004**	**.00020**	**.01138**	**-.00015**	**.00047**	F **.0098**	**.00156**	**-.00242**	**.01920**	**-.00006**
Stddev	.00046	.00022	.00732	.00005	.00013	.00291	.00004	.00135	.0030	.00070	.00573	.01549	.00041
%RSD	45.563	23.605	196.63	114.88	63.873	25.555	26.667	284.56	30.05	44.806	236.96	80.651	686.23
#1	.00134	.00111	.00890	.00008	.00030	.00932	-.00018	.00142	.0119	.00205	-.00647	.00825	-.00035
#2	.00069	.00079	-.00145	.00001	.00011	.01343	-.00012	-.00048	.0077	.00106	.00163	.03015	.00023
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									.0030				
Low Limit									-.0040				

Elem	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm
Avg	**.00009**	**-.00012**	**-.00014**	**-.00019**	**-.00033**
Stddev	.00007	.00004	.00369	.00057	.00030
%RSD	77.323	32.493	2586.8	295.83	89.901
#1	.00004	-.00014	-.00275	.00021	-.00054
#2	.00015	-.00009	.00247	-.00059	-.00012
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Int. Std.	In2306	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**2012.4**	**2813.4**	**24900.**	**4634.9**
Stddev	.4	.0	125.	26.4
%RSD	.02200	.00126	.50088	.56900
#1	2012.7	2813.4	24812.	4653.5
#2	2012.1	2813.4	24988.	4616.2

Sample Name: 17223-B-3-A SD@100 Acquired: 4/5/2012 15:47:05 Type: Unk
Method: ICAP1(v261) Mode: CONC Corr. Factor: 1.000000
User: MDM Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	B_2089	Ba4554-2	Be3130	Ca3179	Cd2288	Co2286
Line	328.068 {103}	308.215 {109}	189.042 {478}	208.959 {461}	455.403 { 74}2	313.042 {108}	317.933 {106}	228.802 {447}	228.616 {447}
IS Ref	(Y_3600)	(Y_3774)	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3774)	(Y_3774)	(Y_2243)	(In2306)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00122**	**.00009**	**.00110**	**.01555**	**.00014**	**.00007**	**4.3790**	**.00017**	**.00031**
Stddev	.00044	.04789	.00061	.00058	.00001	.00016	.0452	.00000	.00013
%RSD	36.299	53320.	55.016	3.7293	9.5862	219.21	1.0320	.74826	42.900
#1	-.00153	.03396	.00153	.01596	.00015	.00019	4.4110	.00017	.00022
#2	-.00091	-.03378	.00067	.01514	.00013	-.00004	4.3471	.00017	.00041
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Cr2677	Cu3247	Fe2599	K_7664	K_7664-2	Li6707	Mg2790	Mn2576	Mo2020
Line	267.716 {126}	324.754 {104}	259.940 {130}	766.490 { 44}	766.490 { 44}2	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}
IS Ref	(Y_3600)	(Y_3600)	(Y_3774)	(Y_3774)	(Y_3774)	(Y_3774)	(Y_3600)	(Y_3600)	(Y_2243)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00020**	**-.00082**	**-.00196**	**.05917**	**.06776**	**.01109**	**24.529**	**.07580**	**.00018**
Stddev	.00022	.00021	.01522	.03059	.00042	.00012	.005	.00019	.00009
%RSD	110.52	25.719	775.96	51.693	.61597	1.0517	.02069	.25602	48.983
#1	.00035	-.00097	.00880	.08080	.06747	.01101	24.532	.07594	.00024
#2	.00004	-.00067	-.01273	.03754	.06806	.01118	24.525	.07567	.00012
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Na5895	Ni2316	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899	Sr4077
Line	589.592 { 57}	231.604 {446}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}2	189.989 {477}	407.771 { 83}
IS Ref	(Y_3774)	(In2306)	(In2306)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3774)	(In2306)	(Y_3774)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**47.183**	**.00025**	**.00135**	F **60.27**	**-.00104**	**.00374**	**.06314**	**-.00036**	**.17374**
Stddev	.398	.00059	.00251	.23	.00195	.00043	.00660	.00095	.00177
%RSD	.84370	236.10	185.70	.3845	187.52	11.459	10.460	261.17	1.0205
#1	47.464	.00067	.00313	60.44	.00034	.00404	.05847	-.00104	.17499
#2	46.901	-.00017	-.00042	60.11	-.00242	.00344	.06781	.00031	.17248
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				25.00					
Low Limit				-.0100					

Elem	Ti3349	Tl1908	V_2924	Zn2062
Line	334.904 {101}	190.856 {477}	292.402 {115}	206.200 {163}
IS Ref	(Y_3600)	(In2306)	(Y_3600)	(Y_3600)
Units	ppm	ppm	ppm	ppm
Avg	**.00007**	**-.00049**	**-.00068**	**-.00122**
Stddev	.00008	.00016	.00018	.00032
%RSD	104.53	31.644	26.423	26.693
#1	.00002	-.00060	-.00080	-.00145
#2	.00013	-.00038	-.00055	-.00099
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				
Low Limit				

Int. Std.	In2306	Y_2243	Y_3600	Y_3774
Line	230.606 {446}	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**1918.9**	**2777.1**	**24314.**	**4659.9**
Stddev	.0	.2	26.	2.3
%RSD	.00183	.00868	.10830	.04904
#1	1918.8	2776.9	24332.	4661.5
#2	1918.9	2777.2	24295.	4658.3

Sample Name: 17223-B-3-A PDS Acquired: 4/5/2012 15:49:24 Type: Unk
Method: ICAP1(v261) Mode: CONC Corr. Factor: 1.000000
User: MDM Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	B_2089	Ba4554-2	Be3130	Ca3179	Cd2288	Co2286
Line	328.068 {103}	308.215 {109}	189.042 {478}	208.959 {461}	455.403 { 74}2	313.042 {108}	317.933 {106}	228.802 {447}	228.616 {447}
IS Ref	(Y_3600)	(Y_3774)	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3774)	(Y_3774)	(Y_2243)	(In2306)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.04927	10.206	.21437	.27786	.20657	.21398	30.920	.20734	.20132
Stddev	.00065	.109	.00145	.00277	.00009	.00019	.090	.00181	.00027
%RSD	1.3249	1.0663	.67412	.99633	.04118	.08743	.28964	.87147	.13612
#1	.04881	10.129	.21335	.27982	.20651	.21385	30.856	.20862	.20151
#2	.04973	10.283	.21539	.27591	.20663	.21411	30.983	.20606	.20112
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Cr2677	Cu3247	Fe2599	K_7664	K_7664-2	Li6707	Mg2790	Mn2576	Mo2020
Line	267.716 {126}	324.754 {104}	259.940 {130}	766.490 { 44}	766.490 { 44}2	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}
IS Ref	(Y_3600)	(Y_3600)	(Y_3774)	(Y_3774)	(Y_3774)	(Y_3774)	(Y_3600)	(Y_3600)	(Y_2243)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.20346	.20528	10.466	10.657	13.998	.26361	131.49	.56473	.20294
Stddev	.00054	.00056	.007	.034	.072	.00128	.28	.00042	.00139
%RSD	.26549	.27352	.06567	.31783	.51094	.48461	.20969	.07512	.68659
#1	.20308	.20568	10.461	10.681	13.947	.26451	131.29	.56443	.20393
#2	.20384	.20489	10.471	10.633	14.048	.26271	131.68	.56503	.20196
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Na8183	Ni2316	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899	Sr4077
Line	818.326 { 41}	231.604 {446}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}2	189.989 {477}	407.771 { 83}
IS Ref	(Y_3774)	(In2306)	(In2306)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3774)	(In2306)	(Y_3774)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	238.13	.20863	.20849	F 297.5	.20871	.21933	11.114	.19607	1.0374
Stddev	.29	.00057	.00292	1.8	.00057	.00505	.020	.00099	.0018
%RSD	.12272	.27322	1.4014	.5936	.27383	2.3019	.18060	.50523	.17699
#1	237.93	.20903	.20642	298.8	.20831	.22289	11.128	.19677	1.0387
#2	238.34	.20822	.21055	296.3	.20911	.21576	11.099	.19536	1.0361
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				25.00					
Low Limit				-.0100					

Elem	Ti3349	Tl1908	V_2924	Zn2062
Line	334.904 {101}	190.856 {477}	292.402 {115}	206.200 {163}
IS Ref	(Y_3600)	(In2306)	(Y_3600)	(Y_3600)
Units	ppm	ppm	ppm	ppm
Avg	.20560	.20554	.20596	.21596
Stddev	.00030	.00171	.00071	.00301
%RSD	.14644	.82992	.34450	1.3935
#1	.20539	.20433	.20546	.21384
#2	.20582	.20675	.20646	.21809
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				
Low Limit				

Int. Std.	In2306	Y_2243	Y_3600	Y_3774
Line	230.606 {446}	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	1714.2	2664.1	22981.	4657.3
Stddev	3.5	3.2	57.	1.4
%RSD	.20398	.12155	.24728	.03047
#1	1716.7	2666.4	23021.	4656.3
#2	1711.8	2661.8	22941.	4658.3

Sample Name: 17223-B-3-C MS@20 Acquired: 4/5/2012 15:51:51 Type: Unk
Method: ICAP1(v261) Mode: CONC Corr. Factor: 1.000000
User: MDM Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	B_2089	Ba4554-2	Be3130	Ca3179	Cd2288	Co2286
Line	328.068 {103}	308.215 {109}	189.042 {478}	208.959 {461}	455.403 { 74}2	313.042 {108}	317.933 {106}	228.802 {447}	228.616 {447}
IS Ref	(Y_3600)	(Y_3774)	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3774)	(Y_3774)	(Y_2243)	(In2306)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00121**	**.57440**	**.01149**	**.08741**	**.01050**	**.01045**	**22.412**	**.01061**	**.01099**
Stddev	.00034	.01807	.00133	.00033	.00005	.00024	.082	.00006	.00010
%RSD	28.027	3.1458	11.585	.37932	.47004	2.3364	.36800	.59969	.94853
#1	.00145	.58718	.01055	.08765	.01047	.01062	22.470	.01065	.01092
#2	.00097	.56162	.01244	.08718	.01054	.01027	22.354	.01056	.01107
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Cr2677	Cu3247	Fe2599	K_7664	K_7664-2	Li6707	Mg2790	Mn2576	Mo2020
Line	267.716 {126}	324.754 {104}	259.940 {130}	766.490 { 44}	766.490 { 44}2	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}
IS Ref	(Y_3600)	(Y_3600)	(Y_3774)	(Y_3774)	(Y_3774)	(Y_3774)	(Y_3600)	(Y_3600)	(Y_2243)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.01108**	**.01041**	**.53347**	**.82739**	**1.1590**	**.06848**	**128.26**	**.39121**	**.01001**
Stddev	.00022	.00030	.01565	.01742	.0017	.00002	.19	.00098	.00049
%RSD	2.0055	2.8598	2.9345	2.1048	.14481	.03440	.14685	.25103	4.8681
#1	.01092	.01062	.52240	.83971	1.1578	.06849	128.13	.39052	.01036
#2	.01124	.01020	.54454	.81508	1.1601	.06846	128.40	.39191	.00967
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Na8183	Ni2316	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899	Sr4077
Line	818.326 { 41}	231.604 {446}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}2	189.989 {477}	407.771 { 83}
IS Ref	(Y_3774)	(In2306)	(In2306)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3774)	(In2306)	(Y_3774)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**240.77**	**.01080**	**.01246**	F **314.7**	**.00833**	**.02149**	**1.0099**	**.01031**	**.88578**
Stddev	.11	.00006	.00245	1.1	.00082	.00271	.0425	.00028	.00094
%RSD	.04408	.54637	19.673	.3397	9.8569	12.599	4.2115	2.7618	.10568
#1	240.85	.01075	.01073	315.5	.00775	.01957	.97980	.01051	.88644
#2	240.70	.01084	.01419	314.0	.00892	.02340	1.0400	.01011	.88512
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				25.00					
Low Limit				-.0100					

Elem	Ti3349	Tl1908	V_2924	Zn2062
Line	334.904 {101}	190.856 {477}	292.402 {115}	206.200 {163}
IS Ref	(Y_3600)	(In2306)	(Y_3600)	(Y_3600)
Units	ppm	ppm	ppm	ppm
Avg	**.01001**	**.00985**	**.01078**	**.00954**
Stddev	.00004	.00320	.00079	.00186
%RSD	.37086	32.479	7.2849	19.490
#1	.00999	.01211	.01022	.01085
#2	.01004	.00759	.01133	.00822
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				
Low Limit				

Int. Std.	In2306	Y_2243	Y_3600	Y_3774
Line	230.606 {446}	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**1736.1**	**2660.1**	**23099.**	**4634.1**
Stddev	.6	5.3	22.	4.3
%RSD	.03321	.20052	.09631	.09375
#1	1736.5	2663.9	23083.	4637.1
#2	1735.6	2656.4	23114.	4631.0

Sample Name: 17223-B-3-D MSD@20 Acquired: 4/5/2012 15:54:15 Type: Unk
Method: ICAP1(v261) Mode: CONC Corr. Factor: 1.000000
User: MDM Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	B_2089	Ba4554-2	Be3130	Ca3179	Cd2288	Co2286
Line	328.068 {103}	308.215 {109}	189.042 {478}	208.959 {461}	455.403 { 74}2	313.042 {108}	317.933 {106}	228.802 {447}	228.616 {447}
IS Ref	(Y_3600)	(Y_3774)	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3774)	(Y_3774)	(Y_2243)	(In2306)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.00218	.53825	.01159	.08952	.01066	.01064	23.064	.01078	.01084
Stddev	.00019	.00505	.00256	.00058	.00003	.00010	.101	.00004	.00039
%RSD	8.8521	.93899	22.124	.65320	.24828	.91769	.43610	.35918	3.6205
#1	.00204	.54183	.01340	.08910	.01064	.01057	23.135	.01075	.01112
#2	.00231	.53468	.00978	.08993	.01068	.01071	22.993	.01081	.01056
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Cr2677	Cu3247	Fe2599	K_7664	K_7664-2	Li6707	Mg2790	Mn2576	Mo2020
Line	267.716 {126}	324.754 {104}	259.940 {130}	766.490 { 44}	766.490 { 44}2	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}
IS Ref	(Y_3600)	(Y_3600)	(Y_3774)	(Y_3774)	(Y_3774)	(Y_3774)	(Y_3600)	(Y_3600)	(Y_2243)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.01087	.01091	.53791	.87953	1.1922	.07008	130.19	.39674	.01029
Stddev	.00046	.00067	.00846	.00574	.0081	.00004	.42	.00065	.00027
%RSD	4.2015	6.1513	1.5727	.65232	.68071	.06010	.32642	.16366	2.6436
#1	.01119	.01044	.54390	.87547	1.1864	.07011	129.89	.39628	.01048
#2	.01055	.01139	.53193	.88359	1.1979	.07005	130.49	.39720	.01010
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Na8183	Ni2316	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899	Sr4077
Line	818.326 { 41}	231.604 {446}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}2	189.989 {477}	407.771 { 83}
IS Ref	(Y_3774)	(In2306)	(In2306)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3774)	(In2306)	(Y_3774)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	245.69	.01107	.01232	F 319.9	.01148	.01362	1.0195	.01003	.90530
Stddev	.35	.00037	.00197	1.7	.00192	.00531	.0154	.00020	.00087
%RSD	.14077	3.3442	15.991	.5251	16.735	39.004	1.5115	1.9731	.09603
#1	245.94	.01133	.01093	321.1	.01012	.01737	1.0304	.00989	.90591
#2	245.45	.01081	.01371	318.7	.01284	.00986	1.0086	.01017	.90468
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				25.00					
Low Limit				-.0100					

Elem	Ti3349	Tl1908	V_2924	Zn2062
Line	334.904 {101}	190.856 {477}	292.402 {115}	206.200 {163}
IS Ref	(Y_3600)	(In2306)	(Y_3600)	(Y_3600)
Units	ppm	ppm	ppm	ppm
Avg	.00960	.01279	.01071	.00927
Stddev	.00024	.00085	.00037	.00024
%RSD	2.4674	6.6661	3.4947	2.6319
#1	.00943	.01339	.01097	.00909
#2	.00977	.01219	.01044	.00944
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				
Low Limit				

Int. Std.	In2306	Y_2243	Y_3600	Y_3774
Line	230.606 {446}	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	1744.7	2656.1	23023.	4604.1
Stddev	1.5	1.3	.	3.1
%RSD	.08534	.04753	.00025	.06757
#1	1743.6	2657.0	23023.	4606.3
#2	1745.7	2655.2	23023.	4601.9

Sample Name: MB 480-57318/27-B Acquired: 4/5/2012 15:56:41 Type: Unk
Method: ICAP1(v261) Mode: CONC Corr. Factor: 1.000000
User: MDM Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	B_2089	Ba4554-2	Be3130	Ca3179	Cd2288	Co2286
Line	328.068 {103}	308.215 {109}	189.042 {478}	208.959 {461}	455.403 { 74}2	313.042 {108}	317.933 {106}	228.802 {447}	228.616 {447}
IS Ref	(Y_3600)	(Y_3774)	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3774)	(Y_3774)	(Y_2243)	(In2306)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00080**	**.06241**	**.00173**	**.00691**	**.00006**	**.00015**	**.10539**	**.00000**	**.00023**
Stddev	.00102	.04350	.00163	.00081	.00004	.00003	.00774	.0001	.00019
%RSD	127.35	69.694	94.221	11.733	62.794	20.772	7.3462	8166.2	82.541
#1	-.00152	.03165	.00289	.00633	.00009	.00017	.09992	-.00010	.00010
#2	-.00008	.09317	.00058	.00748	.00003	.00013	.11087	.00010	.00037
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Cr2677	Cu3247	Fe2599	K_7664	K_7664-2	Li6707	Mg2790	Mn2576	Mo2020
Line	267.716 {126}	324.754 {104}	259.940 {130}	766.490 { 44}	766.490 { 44}2	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}
IS Ref	(Y_3600)	(Y_3600)	(Y_3774)	(Y_3774)	(Y_3774)	(Y_3774)	(Y_3600)	(Y_3600)	(Y_2243)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00005**	**-.00032**	**.00379**	**.00883**	**.00230**	**-.00040**	**.00673**	**.00031**	**.00011**
Stddev	.00057	.00050	.00222	.02871	.00018	.00019	.00627	.00018	.00038
%RSD	1211.0	155.24	58.509	325.24	7.9147	46.258	93.095	58.900	338.32
#1	-.00036	-.00067	.00536	-.01148	.00243	-.00053	.01116	.00044	.00038
#2	.00045	.00003	.00222	.02913	.00217	-.00027	.00230	.00018	-.00016
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Na5895	Ni2316	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899	Sr4077
Line	589.592 { 57}	231.604 {446}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}2	189.989 {477}	407.771 { 83}
IS Ref	(Y_3774)	(In2306)	(In2306)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3774)	(In2306)	(Y_3774)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.03646**	**-.00066**	**.00199**	F **.0203**	**.00047**	**.00030**	**-.00803**	**-.00037**	**.00055**
Stddev	.00387	.00088	.00136	.0011	.00068	.00144	.01995	.00007	.00002
%RSD	10.616	132.65	68.469	5.423	145.21	476.44	248.28	19.538	3.5867
#1	.03920	-.00004	.00103	.0211	-.00001	-.00072	.00607	-.00032	.00057
#2	.03373	-.00129	.00296	.0196	.00095	.00132	-.02214	-.00042	.00054
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				.0030					
Low Limit				-.0040					

Elem	Ti3349	Tl1908	V_2924	Zn2062
Line	334.904 {101}	190.856 {477}	292.402 {115}	206.200 {163}
IS Ref	(Y_3600)	(In2306)	(Y_3600)	(Y_3600)
Units	ppm	ppm	ppm	ppm
Avg	**.00056**	**.00095**	**-.00056**	**-.00059**
Stddev	.00022	.00341	.00043	.00029
%RSD	39.557	357.31	77.376	49.104
#1	.00072	.00337	-.00025	-.00039
#2	.00040	-.00146	-.00087	-.00080
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				
Low Limit				

Int. Std.	In2306	Y_2243	Y_3600	Y_3774
Line	230.606 {446}	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**2035.6**	**2845.4**	**25299.**	**4721.7**
Stddev	4.2	11.5	21.	19.9
%RSD	.20590	.40332	.08110	.42202
#1	2038.5	2853.5	25285.	4707.6
#2	2032.6	2837.3	25314.	4735.8

Sample Name: LCS 480-57318/28-B Acquired: 4/5/2012 15:59:04 Type: Unk
Method: ICAP1(v261) Mode: CONC Corr. Factor: 1.000000
User: MDM Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	B_2089	Ba4554-2	Be3130	Ca3179	Cd2288	Co2286
Line	328.068 {103}	308.215 {109}	189.042 {478}	208.959 {461}	455.403 { 74}2	313.042 {108}	317.933 {106}	228.802 {447}	228.616 {447}
IS Ref	(Y_3600)	(Y_3774)	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3774)	(Y_3774)	(Y_2243)	(In2306)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.04719**	**10.144**	**.19543**	**.20052**	**.20332**	**.21359**	**10.104**	**.19720**	**.19569**
Stddev	.00054	.048	.00217	.00081	.00051	.00090	.015	.00041	.00063
%RSD	1.1380	.46862	1.1081	.40172	.24902	.41905	.14908	.20666	.31995
#1	.04757	10.177	.19696	.20109	.20368	.21423	10.094	.19748	.19614
#2	.04681	10.110	.19389	.19995	.20296	.21296	10.115	.19691	.19525
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Cr2677	Cu3247	Fe2599	K_7664	K_7664-2	Li6707	Mg2790	Mn2576	Mo2020
Line	267.716 {126}	324.754 {104}	259.940 {130}	766.490 { 44}	766.490 { 44}2	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}
IS Ref	(Y_3600)	(Y_3600)	(Y_3774)	(Y_3774)	(Y_3774)	(Y_3774)	(Y_3600)	(Y_3600)	(Y_2243)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.19838**	**.19818**	**10.236**	**9.8574**	**8.7004**	**.20013**	**9.8508**	**.20539**	**.20109**
Stddev	.00011	.00070	.036	.0053	.1092	.00024	.0175	.00072	.00081
%RSD	.05717	.35500	.34760	.05324	1.2553	.12020	.17733	.34878	.40511
#1	.19830	.19768	10.211	9.8611	8.6232	.19996	9.8631	.20590	.20167
#2	.19846	.19867	10.261	9.8537	8.7776	.20030	9.8384	.20489	.20051
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Na5895	Ni2316	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899	Sr4077
Line	589.592 { 57}	231.604 {446}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}2	189.989 {477}	407.771 { 83}
IS Ref	(Y_3774)	(In2306)	(In2306)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3774)	(In2306)	(Y_3774)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**9.8598**	**.19575**	**.20103**	F **.0128**	**.20100**	**.19312**	**9.9580**	**.19127**	**.19892**
Stddev	.0105	.00067	.00178	.0034	.00070	.00176	.0121	.00173	.00022
%RSD	.10694	.34440	.88644	26.78	.34841	.91247	.12198	.90387	.10974
#1	9.8524	.19622	.20229	.0152	.20149	.19437	9.9666	.19249	.19876
#2	9.8673	.19527	.19977	.0104	.20050	.19187	9.9494	.19005	.19907
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				11.50					
Low Limit				8.500					

Elem	Ti3349	Tl1908	V_2924	Zn2062
Line	334.904 {101}	190.856 {477}	292.402 {115}	206.200 {163}
IS Ref	(Y_3600)	(In2306)	(Y_3600)	(Y_3600)
Units	ppm	ppm	ppm	ppm
Avg	**.19730**	**.19767**	**.19762**	**.20795**
Stddev	.00146	.00037	.00041	.00005
%RSD	.74189	.18863	.20955	.02517
#1	.19834	.19741	.19792	.20791
#2	.19627	.19793	.19733	.20799
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				
Low Limit				

Int. Std.	In2306	Y_2243	Y_3600	Y_3774
Line	230.606 {446}	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**1959.6**	**2808.6**	**24842.**	**4755.8**
Stddev	6.0	2.8	75.	5.3
%RSD	.30850	.10111	.30116	.11176
#1	1955.3	2810.6	24789.	4752.0
#2	1963.9	2806.6	24895.	4759.5

Sample Name: 480-18037-A-1-A Acquired: 4/5/2012 16:01:25 Type: Unk
Method: ICAP1(v261) Mode: CONC Corr. Factor: 1.000000
User: MDM Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	B_2089	Ba4554-2	Be3130	Ca3179	Cd2288	Co2286
Line	328.068 {103}	308.215 {109}	189.042 {478}	208.959 {461}	455.403 { 74}2	313.042 {108}	317.933 {106}	228.802 {447}	228.616 {447}
IS Ref	(Y_3600)	(Y_3774)	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3774)	(Y_3774)	(Y_2243)	(In2306)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00136**	**.06833**	**-.00020**	**.12280**	**.21022**	**-.00009**	**274.18**	**.00067**	**.00045**
Stddev	.00240	.04701	.00064	.00016	.00007	.00003	.89	.00024	.00024
%RSD	176.84	68.799	313.83	.13357	.03278	35.590	.32392	35.679	53.295
#1	-.00306	.10157	.00025	.12292	.21026	-.00012	273.55	.00084	.00028
#2	.00034	.03509	-.00065	.12268	.21017	-.00007	274.81	.00050	.00063
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Cr2677	Cu3247	Fe2599	K_7664	K_7664-2	Li6707	Mg2790	Mn2576	Mo2020
Line	267.716 {126}	324.754 {104}	259.940 {130}	766.490 { 44}	766.490 { 44}2	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}
IS Ref	(Y_3600)	(Y_3600)	(Y_3774)	(Y_3774)	(Y_3774)	(Y_3774)	(Y_3600)	(Y_3600)	(Y_2243)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00134**	**.00123**	**.00029**	**18.902**	**25.160**	**.00662**	**21.558**	**.25297**	**.00144**
Stddev	.00078	.00006	.00524	.064	.170	.00233	.010	.00084	.00036
%RSD	58.017	5.2123	1815.4	.33855	.67557	35.168	.04698	.33373	24.964
#1	.00189	.00118	.00400	18.856	25.040	.00497	21.550	.25237	.00170
#2	.00079	.00127	-.00342	18.947	25.280	.00826	21.565	.25356	.00119
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Na8183	Ni2316	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899	Sr4077
Line	818.326 { 41}	231.604 {446}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}2	189.989 {477}	407.771 { 83}
IS Ref	(Y_3774)	(In2306)	(In2306)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3774)	(In2306)	(Y_3774)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**228.50**	**.00149**	**-.00117**	F **26.57**	**.00063**	**.00047**	**4.0327**	**-.00072**	**6.3735**
Stddev	.34	.00072	.00046	.11	.00036	.00434	.0577	.00035	.0031
%RSD	.14797	48.469	39.326	.3969	56.417	916.35	1.4310	48.175	.04879
#1	228.74	.00200	-.00150	26.64	.00088	-.00260	3.9919	-.00048	6.3757
#2	228.26	.00098	-.00084	26.49	.00038	.00355	4.0735	-.00097	6.3713
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				25.00					
Low Limit				-.0100					

Elem	Ti3349	Tl1908	V_2924	Zn2062
Line	334.904 {101}	190.856 {477}	292.402 {115}	206.200 {163}
IS Ref	(Y_3600)	(In2306)	(Y_3600)	(Y_3600)
Units	ppm	ppm	ppm	ppm
Avg	**.00135**	**-.00001**	**.00023**	**1.7096**
Stddev	.00013	.00150	.00025	.0013
%RSD	9.4512	29447.	110.98	.07328
#1	.00144	-.00106	.00041	1.7105
#2	.00126	.00105	.00005	1.7087
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				
Low Limit				

Int. Std.	In2306	Y_2243	Y_3600	Y_3774
Line	230.606 {446}	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**1684.6**	**2600.1**	**22763.**	**4621.8**
Stddev	3.9	4.1	21.	6.5
%RSD	.23089	.15905	.09151	.14113
#1	1687.3	2603.0	22778.	4626.4
#2	1681.8	2597.1	22749.	4617.2

Sample Name: 480-18037-A-2-A Acquired: 4/5/2012 16:03:54 Type: Unk
Method: ICAP1(v261) Mode: CONC Corr. Factor: 1.000000
User: MDM Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	B_2089	Ba4554-2	Be3130	Ca3179	Cd2288	Co2286
Line	328.068 {103}	308.215 {109}	189.042 {478}	208.959 {461}	455.403 { 74}2	313.042 {108}	317.933 {106}	228.802 {447}	228.616 {447}
IS Ref	(Y_3600)	(Y_3774)	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3774)	(Y_3774)	(Y_2243)	(In2306)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00187**	**.04968**	**.00463**	**.06428**	**.15047**	**.00020**	**151.72**	**.00023**	**.00023**
Stddev	.00018	.02507	.00189	.00018	.00048	.00011	.32	.00018	.00022
%RSD	9.6926	50.463	40.884	.28537	.31616	52.452	.21147	78.618	95.896
#1	-.00174	.03195	.00597	.06441	.15080	.00028	151.94	.00010	.00038
#2	-.00199	.06741	.00329	.06415	.15013	.00013	151.49	.00036	.00007
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Cr2677	Cu3247	Fe2599	K_7664	K_7664-2	Li6707	Mg2790	Mn2576	Mo2020
Line	267.716 {126}	324.754 {104}	259.940 {130}	766.490 { 44}	766.490 { 44}2	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}
IS Ref	(Y_3600)	(Y_3600)	(Y_3774)	(Y_3774)	(Y_3774)	(Y_3774)	(Y_3600)	(Y_3600)	(Y_2243)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00064**	**.00026**	**.09201**	**1.1580**	**1.3117**	**.00508**	**28.578**	**.32240**	**.00228**
Stddev	.00012	.00014	.01088	.0429	.0043	.00153	.086	.00031	.00007
%RSD	19.454	53.513	11.820	3.7073	.32694	30.067	.30243	.09702	3.1973
#1	.00073	.00036	.09970	1.1884	1.3147	.00400	28.639	.32262	.00223
#2	.00055	.00016	.08432	1.1277	1.3087	.00616	28.517	.32218	.00233
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Na5895	Ni2316	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899	Sr4077
Line	589.592 { 57}	231.604 {446}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}2	189.989 {477}	407.771 { 83}
IS Ref	(Y_3774)	(In2306)	(In2306)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3774)	(In2306)	(Y_3774)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**25.343**	**.00067**	**.00144**	F **82.14**	**.00258**	**-.00188**	**6.9689**	**-.00103**	**1.8703**
Stddev	.144	.00082	.00086	.43	.00073	.00051	.0112	.00003	.0124
%RSD	.56678	121.80	59.919	.5244	28.212	27.337	.15998	2.6255	.66330
#1	25.445	.00125	.00083	82.44	.00207	-.00224	6.9610	-.00105	1.8790
#2	25.242	.00009	.00205	81.83	.00310	-.00152	6.9768	-.00101	1.8615
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				25.00					
Low Limit				-.0100					

Elem	Ti3349	Tl1908	V_2924	Zn2062
Line	334.904 {101}	190.856 {477}	292.402 {115}	206.200 {163}
IS Ref	(Y_3600)	(In2306)	(Y_3600)	(Y_3600)
Units	ppm	ppm	ppm	ppm
Avg	**.00089**	**.00070**	**.00057**	**1.9338**
Stddev	.00040	.00306	.00020	.0130
%RSD	45.165	436.57	34.370	.67037
#1	.00117	-.00146	.00043	1.9430
#2	.00060	.00287	.00071	1.9247
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				
Low Limit				

Int. Std.	In2306	Y_2243	Y_3600	Y_3774
Line	230.606 {446}	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**1828.6**	**2683.4**	**23727.**	**4663.3**
Stddev	.4	2.1	79.	8.1
%RSD	.02425	.07813	.33301	.17384
#1	1828.9	2681.9	23671.	4657.5
#2	1828.3	2684.9	23783.	4669.0

Sample Name: 480-18037-A-3-A Acquired: 4/5/2012 16:06:12 Type: Unk
Method: ICAP1(v261) Mode: CONC Corr. Factor: 1.000000
User: MDM Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	B_2089	Ba4554-2	Be3130	Ca3179	Cd2288	Co2286
Line	328.068 {103}	308.215 {109}	189.042 {478}	208.959 {461}	455.403 { 74}2	313.042 {108}	317.933 {106}	228.802 {447}	228.616 {447}
IS Ref	(Y_3600)	(Y_3774)	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3774)	(Y_3774)	(Y_2243)	(In2306)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00078**	**.05296**	**.00073**	**.04045**	**.05343**	**.00027**	**147.64**	**.00028**	**.00031**
Stddev	.00143	.01619	.00123	.00069	.00021	.00004	.58	.00021	.00001
%RSD	184.47	30.564	168.00	1.7014	.38791	15.057	.39551	77.042	2.2432
#1	.00024	.04151	-.00014	.03996	.05328	.00024	148.05	.00013	.00031
#2	-.00179	.06440	.00160	.04094	.05357	.00030	147.23	.00043	.00032
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Cr2677	Cu3247	Fe2599	K_7664	K_7664-2	Li6707	Mg2790	Mn2576	Mo2020
Line	267.716 {126}	324.754 {104}	259.940 {130}	766.490 { 44}	766.490 { 44}2	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}
IS Ref	(Y_3600)	(Y_3600)	(Y_3774)	(Y_3774)	(Y_3774)	(Y_3774)	(Y_3600)	(Y_3600)	(Y_2243)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00208**	**.00127**	**.25242**	**3.9700**	**4.1271**	**.00152**	**23.954**	**.12407**	**.00893**
Stddev	.00047	.00033	.01489	.0349	.0111	.00048	.016	.00041	.00019
%RSD	22.588	25.697	5.8971	.88019	.26965	31.964	.06470	.32991	2.0956
#1	.00241	.00104	.26295	3.9947	4.1192	.00117	23.943	.12436	.00880
#2	.00175	.00150	.24189	3.9453	4.1350	.00186	23.965	.12378	.00906
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Na5895	Ni2316	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899	Sr4077
Line	589.592 { 57}	231.604 {446}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}2	189.989 {477}	407.771 { 83}
IS Ref	(Y_3774)	(In2306)	(In2306)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3774)	(In2306)	(Y_3774)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**8.1476**	**.00203**	**.00025**	F **69.35**	**.00193**	**.00138**	**3.5134**	**-.00128**	**1.1444**
Stddev	.0248	.00042	.00397	.20	.00181	.00010	.0294	.00050	.0021
%RSD	.30446	20.605	1568.5	.2827	93.759	7.3771	.83727	38.824	.18136
#1	8.1651	.00173	-.00255	69.49	.00321	.00131	3.5342	-.00093	1.1458
#2	8.1300	.00233	.00306	69.21	.00065	.00146	3.4926	-.00163	1.1429
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				25.00					
Low Limit				-.0100					

Elem	Ti3349	Tl1908	V_2924	Zn2062
Line	334.904 {101}	190.856 {477}	292.402 {115}	206.200 {163}
IS Ref	(Y_3600)	(In2306)	(Y_3600)	(Y_3600)
Units	ppm	ppm	ppm	ppm
Avg	**.00072**	**.00051**	**.00110**	**.00066**
Stddev	.00056	.00128	.00021	.00048
%RSD	78.272	252.91	18.798	73.066
#1	.00032	.00142	.00124	.00032
#2	.00112	-.00040	.00095	.00100
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				
Low Limit				

Int. Std.	In2306	Y_2243	Y_3600	Y_3774
Line	230.606 {446}	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**1849.2**	**2702.0**	**23769.**	**4652.2**
Stddev	3.9	.9	57.	11.3
%RSD	.21140	.03161	.23942	.24385
#1	1852.0	2701.4	23729.	4644.2
#2	1846.5	2702.6	23809.	4660.2

Sample Name: 480-18037-A-3-A SD@5 Acquired: 4/5/2012 16:08:29 Type: Unk
Method: ICAP1(v261) Mode: CONC Corr. Factor: 1.000000
User: MDM Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	B_2089	Ba4554-2	Be3130	Ca3179	Cd2288	Co2286
Line	328.068 {103}	308.215 {109}	189.042 {478}	208.959 {461}	455.403 { 74}2	313.042 {108}	317.933 {106}	228.802 {447}	228.616 {447}
IS Ref	(Y_3600)	(Y_3774)	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3774)	(Y_3774)	(Y_2243)	(In2306)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00095**	**.04145**	**.00011**	**.00765**	**.01064**	**.00006**	**29.387**	**-.00001**	**.00009**
Stddev	.00056	.02863	.00018	.00031	.00009	.00017	.153	.00013	.00018
%RSD	58.766	69.068	170.90	4.0825	.80457	312.60	.51973	1041.9	200.83
#1	-.00055	.02121	.00023	.00743	.01070	-.00007	29.279	-.00011	-.00004
#2	-.00134	.06169	-.00002	.00787	.01058	.00018	29.495	.00008	.00022
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Cr2677	Cu3247	Fe2599	K_7664	K_7664-2	Li6707	Mg2790	Mn2576	Mo2020
Line	267.716 {126}	324.754 {104}	259.940 {130}	766.490 { 44}	766.490 { 44}2	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}
IS Ref	(Y_3600)	(Y_3600)	(Y_3774)	(Y_3774)	(Y_3774)	(Y_3774)	(Y_3600)	(Y_3600)	(Y_2243)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00005**	**-.00035**	**.04257**	**.76676**	**.65327**	**.00073**	**4.6564**	**.02467**	**.00170**
Stddev	.00001	.00018	.00248	.01475	.00403	.00023	.0091	.00008	.00008
%RSD	28.917	50.875	5.8375	1.9236	.61631	31.223	.19496	.32236	4.6230
#1	-.00006	-.00022	.04081	.77719	.65042	.00057	4.6629	.02473	.00176
#2	-.00004	-.00048	.04433	.75633	.65612	.00089	4.6500	.02462	.00164
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Na5895	Ni2316	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899	Sr4077
Line	589.592 { 57}	231.604 {446}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}2	189.989 {477}	407.771 { 83}
IS Ref	(Y_3774)	(In2306)	(In2306)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3774)	(In2306)	(Y_3774)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.5862**	**.00041**	**.00082**	**13.21**	**.00100**	**.00183**	**.71196**	**-.00112**	**.22536**
Stddev	.0113	.00018	.00111	.12	.00497	.00421	.00201	.00021	.00039
%RSD	.71478	43.454	134.83	.8966	498.49	230.40	.28258	18.510	.17169
#1	1.5782	.00054	.00004	13.29	.00451	.00481	.71338	-.00097	.22509
#2	1.5943	.00029	.00161	13.13	-.00252	-.00115	.71053	-.00127	.22563
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Ti3349	Tl1908	V_2924	Zn2062
Line	334.904 {101}	190.856 {477}	292.402 {115}	206.200 {163}
IS Ref	(Y_3600)	(In2306)	(Y_3600)	(Y_3600)
Units	ppm	ppm	ppm	ppm
Avg	**-.00039**	**.00099**	**-.00018**	**-.00015**
Stddev	.00070	.00014	.00000	.00054
%RSD	180.80	13.806	.93685	356.58
#1	-.00088	.00109	-.00018	.00023
#2	.00011	.00090	-.00018	-.00053
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				
Low Limit				

Int. Std.	In2306	Y_2243	Y_3600	Y_3774
Line	230.606 {446}	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**1974.6**	**2790.6**	**24758.**	**4676.1**
Stddev	2.4	2.5	168.	20.2
%RSD	.11922	.09031	.67852	.43171
#1	1972.9	2788.9	24639.	4690.4
#2	1976.2	2792.4	24877.	4661.8

Sample Name: CCV Acquired: 4/5/2012 16:10:51 Type: QC
Method: ICAP1(v261) Mode: CONC Corr. Factor: 1.000000
User: MDM Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	B_2089	Ba4554	Be3130	Ca3179	Cd2288	Co2286	Cr2677	Cu3247	Fe2599	K_7664
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.48656**	**25.206**	**.47764**	**.47350**	**.50379**	**.50643**	**25.188**	**.48932**	**.48137**	**.49685**	**.48788**	**25.782**	**24.734**
Stddev	.00427	.011	.00257	.00098	.00082	.00140	.099	.00217	.00369	.00042	.00009	.015	.139
%RSD	.87837	.04187	.53896	.20783	.16208	.27610	.39142	.44422	.76584	.08519	.01942	.05898	.56129
#1	.48353	25.214	.47946	.47420	.50322	.50544	25.119	.49086	.48398	.49715	.48782	25.771	24.635
#2	.48958	25.199	.47581	.47281	.50437	.50741	25.258	.48778	.47876	.49655	.48795	25.793	24.832
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value													
Range													

Elem	K_7664-2	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**23.773**	**.49375**	**24.689**	**.51043**	**.49088**	**24.556**	**.49081**	**.48898**	**24.93**	**.49571**	**.49019**	**24.499**	**.50079**
Stddev	.145	.00116	.008	.00088	.00172	.109	.00334	.00005	.06	.00549	.00520	.198	.00331
%RSD	.60887	.23590	.03241	.17229	.34938	.44567	.68092	.00995	.2387	1.1080	1.0604	.81009	.66150
#1	23.671	.49292	24.684	.50981	.49209	24.478	.49317	.48901	24.97	.49959	.49386	24.359	.50313
#2	23.876	.49457	24.695	.51105	.48966	24.633	.48845	.48895	24.88	.49183	.48651	24.639	.49845
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value													
Range													

Elem	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm
Avg	**.48875**	**.49531**	**.48673**	**.49203**	**.49364**
Stddev	.00008	.00152	.00695	.00040	.00147
%RSD	.01545	.30642	1.4286	.08131	.29768
#1	.48880	.49424	.49165	.49231	.49261
#2	.48869	.49638	.48181	.49174	.49468
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value					
Range					

Int. Std.	In2306	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**1880.5**	**2778.3**	**24226.**	**4687.0**
Stddev	2.4	2.0	84.	12.7
%RSD	.12956	.07139	.34754	.27200
#1	1878.8	2779.7	24286.	4678.0
#2	1882.2	2776.9	24166.	4696.0

Sample Name: CCB Acquired: 4/5/2012 16:13:09 Type: QC
Method: ICAP1(v261) Mode: CONC Corr. Factor: 1.000000
User: MDM Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	B_2089	Ba4554-2	Be3130	Ca3179	Cd2288	Co2286	Cr2677	Cu3247	Fe2599	K_7664
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00070**	**-.00631**	**.00098**	**.00038**	**.00002**	**.00024**	**.00154**	**.00018**	**.00014**	**.00046**	**-.00018**	**.00987**	**.00686**
Stddev	.00057	.00805	.00059	.00005	.00000	.00009	.00305	.00014	.00022	.00009	.00049	.00367	.00422
%RSD	80.752	127.66	60.428	13.390	9.2722	37.288	197.63	76.182	155.91	19.389	275.61	37.228	61.461
#1	-.00110	-.01200	.00140	.00041	.00002	.00030	.00370	.00008	-.00001	.00053	-.00052	.00727	.00388
#2	-.00030	-.00061	.00056	.00034	.00002	.00018	-.00061	.00028	.00030	.00040	.00017	.01247	.00984
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit													
Low Limit													

Elem	K_7664-2	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00166**	**.00118**	**.00267**	**-.00004**	**.00009**	**-.00452**	**-.00028**	**.00090**	F **.0031**	**.00165**	**.00016**	**.01403**	**-.00065**
Stddev	.00035	.00041	.00118	.00008	.00011	.00216	.00004	.00178	.0005	.00163	.00477	.00548	.00075
%RSD	20.970	34.946	44.102	192.71	118.52	47.820	13.000	199.18	14.77	99.061	2951.8	39.030	114.82
#1	.00141	.00089	.00350	.00001	.00002	-.00299	-.00026	-.00037	.0027	.00280	-.00321	.01791	-.00118
#2	.00190	.00148	.00184	-.00009	.00017	-.00604	-.00031	.00216	.0034	.00049	.00353	.01016	-.00012
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									.0030				
Low Limit									-.0040				

Elem	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm
Avg	**.00007**	**.00043**	**-.00067**	**-.00056**	**-.00110**
Stddev	.00016	.00007	.00087	.00009	.00019
%RSD	238.06	15.415	130.01	16.868	16.899
#1	.00017	.00039	-.00129	-.00049	-.00097
#2	-.00004	.00048	-.00005	-.00063	-.00123
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Int. Std.	In2306	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**1999.3**	**2791.4**	**24801.**	**4602.5**
Stddev	3.7	5.6	43.	31.3
%RSD	.18332	.20056	.17447	.67984
#1	1996.7	2795.3	24771.	4580.4
#2	2001.8	2787.4	24832.	4624.6

Sample Name: 480-18037-A-3-A PDS Acquired: 4/5/2012 16:15:34 Type: Unk
Method: ICAP1(v261) Mode: CONC Corr. Factor: 1.000000
User: MDM Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	B_2089	Ba4554-2	Be3130	Ca3179	Cd2288	Co2286
Line	328.068 {103}	308.215 {109}	189.042 {478}	208.959 {461}	455.403 { 74}2	313.042 {108}	317.933 {106}	228.802 {447}	228.616 {447}
IS Ref	(Y_3600)	(Y_3774)	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3774)	(Y_3774)	(Y_2243)	(In2306)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.04919	10.751	.22252	.25232	.27551	.22410	153.45	.21659	.20288
Stddev	.00111	.130	.00132	.00192	.00010	.00206	.96	.00128	.00053
%RSD	2.2602	1.2127	.59229	.76167	.03480	.91758	.62664	.59047	.26206
#1	.04997	10.659	.22346	.25368	.27544	.22265	152.77	.21750	.20326
#2	.04840	10.843	.22159	.25096	.27557	.22556	154.13	.21569	.20251
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Cr2677	Cu3247	Fe2599	K_7664	K_7664-2	Li6707	Mg2790	Mn2576	Mo2020
Line	267.716 {126}	324.754 {104}	259.940 {130}	766.490 { 44}	766.490 { 44}2	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}
IS Ref	(Y_3600)	(Y_3600)	(Y_3774)	(Y_3774)	(Y_3774)	(Y_3774)	(Y_3600)	(Y_3600)	(Y_2243)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.21262	.21682	11.242	14.682	15.672	.22068	33.943	.33504	.22433
Stddev	.00142	.00060	.045	.084	.011	.00072	.076	.00059	.00111
%RSD	.66975	.27812	.39744	.57040	.07251	.32441	.22333	.17687	.49535
#1	.21362	.21725	11.210	14.623	15.680	.22118	33.997	.33462	.22511
#2	.21161	.21639	11.274	14.741	15.664	.22017	33.890	.33546	.22354
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Na5895	Ni2316	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899	Sr4077
Line	589.592 { 57}	231.604 {446}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}2	189.989 {477}	407.771 { 83}
IS Ref	(Y_3774)	(In2306)	(In2306)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3774)	(In2306)	(Y_3774)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	18.711	.21267	.21591	F 67.36	.21708	.21762	14.532	.19777	1.3232
Stddev	.178	.00126	.00059	.27	.00246	.00280	.037	.00169	.0079
%RSD	.94921	.59275	.27443	.3945	1.1315	1.2874	.25417	.85592	.59394
#1	18.585	.21356	.21549	67.55	.21881	.21564	14.505	.19657	1.3176
#2	18.837	.21178	.21633	67.18	.21534	.21960	14.558	.19897	1.3287
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				25.00					
Low Limit				-.0100					

Elem	Ti3349	Tl1908	V_2924	Zn2062
Line	334.904 {101}	190.856 {477}	292.402 {115}	206.200 {163}
IS Ref	(Y_3600)	(In2306)	(Y_3600)	(Y_3600)
Units	ppm	ppm	ppm	ppm
Avg	.21234	.21691	.21271	.22094
Stddev	.00097	.00179	.00168	.00270
%RSD	.45548	.82387	.78813	1.2199
#1	.21165	.21565	.21390	.22285
#2	.21302	.21817	.21153	.21904
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				
Low Limit				

Int. Std.	In2306	Y_2243	Y_3600	Y_3774
Line	230.606 {446}	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	1810.5	2686.9	23688.	4632.6
Stddev	.5	.1	61.	23.6
%RSD	.02665	.00269	.25786	.50964
#1	1810.8	2686.9	23731.	4649.3
#2	1810.1	2686.8	23644.	4615.9

Sample Name: 480-18037-A-3-B MS Acquired: 4/5/2012 16:17:56 Type: Unk
Method: ICAP1(v261) Mode: CONC Corr. Factor: 1.000000
User: MDM Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	B_2089	Ba4554-2	Be3130	Ca3179	Cd2288	Co2286
Line	328.068 {103}	308.215 {109}	189.042 {478}	208.959 {461}	455.403 { 74}2	313.042 {108}	317.933 {106}	228.802 {447}	228.616 {447}
IS Ref	(Y_3600)	(Y_3774)	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3774)	(Y_3774)	(Y_2243)	(In2306)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.05009**	**10.512**	**.20148**	**.24185**	**.25801**	**.21589**	**156.72**	**.20253**	**.19977**
Stddev	.00064	.027	.00196	.00293	.00078	.00026	.59	.00207	.00072
%RSD	1.2752	.25723	.97485	1.2095	.30280	.11948	.37603	1.0241	.35934
#1	.05055	10.493	.20287	.24391	.25857	.21571	156.30	.20399	.20028
#2	.04964	10.531	.20009	.23978	.25746	.21608	157.13	.20106	.19926
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Cr2677	Cu3247	Fe2599	K_7664	K_7664-2	Li6707	Mg2790	Mn2576	Mo2020
Line	267.716 {126}	324.754 {104}	259.940 {130}	766.490 { 44}	766.490 { 44}2	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}
IS Ref	(Y_3600)	(Y_3600)	(Y_3774)	(Y_3774)	(Y_3774)	(Y_3774)	(Y_3600)	(Y_3600)	(Y_2243)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.20052**	**.20542**	**10.549**	**14.241**	**14.884**	**.20814**	**33.781**	**.32980**	**.21142**
Stddev	.00184	.00235	.055	.029	.041	.00028	.137	.00011	.00114
%RSD	.92009	1.1423	.52488	.20458	.27501	.13334	.40696	.03219	.53862
#1	.19921	.20376	10.510	14.221	14.855	.20794	33.878	.32988	.21223
#2	.20182	.20708	10.588	14.262	14.913	.20834	33.684	.32973	.21062
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Na5895	Ni2316	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899	Sr4077
Line	589.592 { 57}	231.604 {446}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}2	189.989 {477}	407.771 { 83}
IS Ref	(Y_3774)	(In2306)	(In2306)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3774)	(In2306)	(Y_3774)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**18.360**	**.20014**	**.20558**	F **68.91**	**.20505**	**.20020**	**13.572**	**.20078**	**1.3370**
Stddev	.035	.00023	.00086	.35	.00271	.00187	.011	.00132	.0003
%RSD	.18932	.11579	.41903	.5111	1.3202	.93432	.07909	.65564	.01952
#1	18.335	.19997	.20619	69.16	.20697	.20152	13.564	.20171	1.3371
#2	18.384	.20030	.20497	68.66	.20314	.19887	13.579	.19985	1.3368
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				25.00					
Low Limit				-.0100					

Elem	Ti3349	Tl1908	V_2924	Zn2062
Line	334.904 {101}	190.856 {477}	292.402 {115}	206.200 {163}
IS Ref	(Y_3600)	(In2306)	(Y_3600)	(Y_3600)
Units	ppm	ppm	ppm	ppm
Avg	**.19917**	**.19885**	**.20166**	**.20638**
Stddev	.00030	.00238	.00253	.00137
%RSD	.14861	1.1990	1.2540	.66590
#1	.19938	.20053	.19988	.20541
#2	.19896	.19716	.20345	.20735
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				
Low Limit				

Int. Std.	In2306	Y_2243	Y_3600	Y_3774
Line	230.606 {446}	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**1805.7**	**2694.2**	**23631.**	**4639.0**
Stddev	2.2	3.6	55.	2.3
%RSD	.11939	.13540	.23103	.04902
#1	1807.2	2691.7	23669.	4637.4
#2	1804.2	2696.8	23592.	4640.6

Sample Name: 480-18037-A-3-C MSD Acquired: 4/5/2012 16:20:17 Type: Unk
Method: ICAP1(v261) Mode: CONC Corr. Factor: 1.000000
User: MDM Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	B_2089	Ba4554-2	Be3130	Ca3179	Cd2288	Co2286
Line	328.068 {103}	308.215 {109}	189.042 {478}	208.959 {461}	455.403 { 74}2	313.042 {108}	317.933 {106}	228.802 {447}	228.616 {447}
IS Ref	(Y_3600)	(Y_3774)	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3774)	(Y_3774)	(Y_2243)	(In2306)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.04982**	**10.739**	**.20032**	**.24569**	**.26018**	**.21601**	**160.00**	**.20234**	**.19984**
Stddev	.00150	.025	.00157	.00164	.00080	.00073	.96	.00074	.00038
%RSD	3.0019	.22999	.78384	.66848	.30783	.33967	.60091	.36641	.19249
#1	.04876	10.757	.20143	.24685	.26075	.21653	160.68	.20287	.20012
#2	.05088	10.722	.19921	.24453	.25961	.21549	159.32	.20182	.19957
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Cr2677	Cu3247	Fe2599	K_7664	K_7664-2	Li6707	Mg2790	Mn2576	Mo2020
Line	267.716 {126}	324.754 {104}	259.940 {130}	766.490 { 44}	766.490 { 44}2	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}
IS Ref	(Y_3600)	(Y_3600)	(Y_3774)	(Y_3774)	(Y_3774)	(Y_3774)	(Y_3600)	(Y_3600)	(Y_2243)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.20158**	**.20262**	**10.557**	**14.410**	**15.377**	**.21385**	**34.036**	**.32966**	**.21169**
Stddev	.00005	.00093	.007	.060	.076	.00172	.205	.00210	.00069
%RSD	.02534	.45872	.06309	.41619	.49166	.80433	.60301	.63555	.32626
#1	.20154	.20328	10.562	14.452	15.324	.21506	34.181	.33114	.21218
#2	.20162	.20197	10.553	14.368	15.431	.21263	33.891	.32818	.21120
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Na5895	Ni2316	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899	Sr4077
Line	589.592 { 57}	231.604 {446}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}2	189.989 {477}	407.771 { 83}
IS Ref	(Y_3774)	(In2306)	(In2306)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3774)	(In2306)	(Y_3774)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**18.623**	**.20074**	**.20808**	F **69.90**	**.20984**	**.20034**	**13.671**	**.20498**	**1.3517**
Stddev	.057	.00102	.00069	.25	.00008	.00203	.039	.00021	.0014
%RSD	.30693	.50630	.33128	.3545	.03886	1.0118	.28478	.10407	.10506
#1	18.663	.20146	.20856	70.07	.20978	.19891	13.644	.20513	1.3527
#2	18.582	.20003	.20759	69.72	.20989	.20178	13.699	.20483	1.3507
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				25.00					
Low Limit				-.0100					

Elem	Ti3349	Tl1908	V_2924	Zn2062
Line	334.904 {101}	190.856 {477}	292.402 {115}	206.200 {163}
IS Ref	(Y_3600)	(In2306)	(Y_3600)	(Y_3600)
Units	ppm	ppm	ppm	ppm
Avg	**.20018**	**.19840**	**.19905**	**.20810**
Stddev	.00133	.00095	.00193	.00043
%RSD	.66634	.47772	.96831	.20436
#1	.20112	.19907	.20041	.20780
#2	.19923	.19773	.19768	.20840
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				
Low Limit				

Int. Std.	In2306	Y_2243	Y_3600	Y_3774
Line	230.606 {446}	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**1802.7**	**2692.9**	**23663.**	**4615.6**
Stddev	2.6	.6	89.	15.2
%RSD	.14295	.02157	.37552	.32928
#1	1800.9	2693.3	23600.	4604.8
#2	1804.5	2692.5	23726.	4626.3

Sample Name: 480-18037-A-4-A Acquired: 4/5/2012 16:22:38 Type: Unk
Method: ICAP1(v261) Mode: CONC Corr. Factor: 1.000000
User: MDM Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	B_2089	Ba4554-2	Be3130	Ca3179	Cd2288	Co2286
Line	328.068 {103}	308.215 {109}	189.042 {478}	208.959 {461}	455.403 { 74}2	313.042 {108}	317.933 {106}	228.802 {447}	228.616 {447}
IS Ref	(Y_3600)	(Y_3774)	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3774)	(Y_3774)	(Y_2243)	(In2306)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00161**	**.07550**	**.00467**	**.04574**	**.05898**	**.00006**	**147.27**	**.00032**	**.00017**
Stddev	.00141	.00564	.00169	.00016	.00011	.00014	.96	.00002	.00017
%RSD	87.801	7.4733	36.255	.34097	.18362	224.16	.65306	6.2764	97.355
#1	-.00061	.07151	.00587	.04563	.05905	-.00004	146.59	.00034	.00029
#2	-.00260	.07949	.00347	.04585	.05890	.00016	147.95	.00031	.00005
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Cr2677	Cu3247	Fe2599	K_7664	K_7664-2	Li6707	Mg2790	Mn2576	Mo2020
Line	267.716 {126}	324.754 {104}	259.940 {130}	766.490 { 44}	766.490 { 44}2	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}
IS Ref	(Y_3600)	(Y_3600)	(Y_3774)	(Y_3774)	(Y_3774)	(Y_3774)	(Y_3600)	(Y_3600)	(Y_2243)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00123**	**.00010**	**4.1081**	**4.3792**	**4.5641**	**.00156**	**26.750**	**.44258**	**.00636**
Stddev	.00023	.00001	.0344	.0257	.0139	.00084	.070	.00012	.00008
%RSD	18.873	5.5017	.83770	.58615	.30515	53.397	.26258	.02601	1.2260
#1	.00140	.00011	4.0838	4.3611	4.5542	.00216	26.800	.44266	.00642
#2	.00107	.00010	4.1324	4.3974	4.5739	.00097	26.701	.44250	.00631
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Na5895	Ni2316	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899	Sr4077
Line	589.592 { 57}	231.604 {446}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}2	189.989 {477}	407.771 { 83}
IS Ref	(Y_3774)	(In2306)	(In2306)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3774)	(In2306)	(Y_3774)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**10.026**	**.00079**	**.00033**	F **81.92**	**.00127**	**-.00061**	**3.3499**	**-.00095**	**1.0705**
Stddev	.024	.00013	.00298	.56	.00236	.00422	.0823	.00043	.0042
%RSD	.23791	16.670	907.01	.6854	186.40	688.76	2.4571	45.140	.39533
#1	10.009	.00070	.00244	82.32	.00294	-.00360	3.2917	-.00125	1.0675
#2	10.043	.00088	-.00178	81.52	-.00040	.00237	3.4081	-.00065	1.0735
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				25.00					
Low Limit				-.0100					

Elem	Ti3349	Tl1908	V_2924	Zn2062
Line	334.904 {101}	190.856 {477}	292.402 {115}	206.200 {163}
IS Ref	(Y_3600)	(In2306)	(Y_3600)	(Y_3600)
Units	ppm	ppm	ppm	ppm
Avg	**.00025**	**.00053**	**.00130**	**.00078**
Stddev	.00027	.00047	.00036	.00058
%RSD	110.42	88.601	27.817	74.395
#1	.00044	.00086	.00156	.00037
#2	.00005	.00020	.00104	.00119
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				
Low Limit				

Int. Std.	In2306	Y_2243	Y_3600	Y_3774
Line	230.606 {446}	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**1844.4**	**2695.8**	**23756.**	**4655.1**
Stddev	1.8	1.8	62.	31.3
%RSD	.09814	.06683	.26028	.67252
#1	1843.2	2694.5	23800.	4677.2
#2	1845.7	2697.1	23713.	4633.0

Sample Name: 480-18037-A-5-A Acquired: 4/5/2012 16:24:55 Type: Unk
Method: ICAP1(v261) Mode: CONC Corr. Factor: 1.000000
User: MDM Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	B_2089	Ba4554	Be3130	Ca3179	Cd2288	Co2286
Line	328.068 {103}	308.215 {109}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	317.933 {106}	228.802 {447}	228.616 {447}
IS Ref	(Y_3600)	(Y_3774)	(Y_2243)	(Y_2243)	(Y_3774)	(Y_3774)	(Y_3774)	(Y_2243)	(In2306)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00147**	**.06613**	**.00199**	**.89648**	**1.3176**	**.00013**	**13.299**	**-.00001**	**.00015**
Stddev	.00029	.00986	.00064	.00263	.0044	.00007	.023	.00010	.00001
%RSD	19.607	14.905	32.114	.29330	.33256	54.223	.17128	1407.6	4.5503
#1	-.00167	.07310	.00244	.89834	1.3145	.00019	13.315	.00007	.00015
#2	-.00127	.05916	.00154	.89462	1.3207	.00008	13.283	-.00008	.00014
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Cr2677	Cu3247	Fe2599	K_7664	K_7664-2	Li6707	Mg2790	Mn2576	Mo2020
Line	267.716 {126}	324.754 {104}	259.940 {130}	766.490 { 44}	766.490 { 44}2	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}
IS Ref	(Y_3600)	(Y_3600)	(Y_3774)	(Y_3774)	(Y_3774)	(Y_3774)	(Y_3600)	(Y_3600)	(Y_2243)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00004**	**-.00029**	**.16112**	**1.0209**	**1.0363**	**.00444**	**5.0790**	**.00387**	**.09446**
Stddev	.00018	.00024	.00104	.0272	.0126	.00234	.0234	.00013	.00073
%RSD	431.81	81.295	.64315	2.6678	1.2172	52.777	.46063	3.3834	.76773
#1	.00017	-.00046	.16186	1.0017	1.0452	.00609	5.0625	.00378	.09497
#2	-.00009	-.00012	.16039	1.0402	1.0273	.00278	5.0955	.00397	.09395
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Na8183	Ni2316	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899	Sr4077
Line	818.326 { 41}	231.604 {446}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}2	189.989 {477}	407.771 { 83}
IS Ref	(Y_3774)	(In2306)	(In2306)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3774)	(In2306)	(Y_3774)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**51.398**	**.00003**	**.00170**	**.0690**	**.00155**	**-.00232**	**5.5008**	**-.00087**	**3.2253**
Stddev	.309	.00060	.00066	.0014	.00060	.00138	.0098	.00047	.0075
%RSD	.60154	1721.6	39.083	2.051	38.571	59.604	.17907	54.025	.23273
#1	51.180	-.00039	.00123	.0700	.00198	-.00330	5.5078	-.00054	3.2199
#2	51.617	.00046	.00217	.0680	.00113	-.00134	5.4938	-.00121	3.2306
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Ti3349	Tl1908	V_2924	Zn2062
Line	334.904 {101}	190.856 {477}	292.402 {115}	206.200 {163}
IS Ref	(Y_3600)	(In2306)	(Y_3600)	(Y_3600)
Units	ppm	ppm	ppm	ppm
Avg	**-.00012**	**-.00107**	**-.00071**	**-.00032**
Stddev	.00063	.00032	.00040	.00027
%RSD	533.92	30.101	56.329	83.847
#1	-.00056	-.00130	-.00100	-.00051
#2	.00033	-.00084	-.00043	-.00013
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				
Low Limit				

Int. Std.	In2306	Y_2243	Y_3600	Y_3774
Line	230.606 {446}	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**1924.0**	**2769.8**	**24346.**	**4650.9**
Stddev	3.0	2.3	43.	18.0
%RSD	.15817	.08279	.17699	.38618
#1	1926.2	2768.1	24377.	4638.2
#2	1921.9	2771.4	24316.	4663.6

Sample Name: 480-18037-A-6-A Acquired: 4/5/2012 16:27:19 Type: Unk
Method: ICAP1(v261) Mode: CONC Corr. Factor: 1.000000
User: MDM Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	B_2089	Ba4554	Be3130	Ca3179	Cd2288	Co2286
Line	328.068 {103}	308.215 {109}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	317.933 {106}	228.802 {447}	228.616 {447}
IS Ref	(Y_3600)	(Y_3774)	(Y_2243)	(Y_2243)	(Y_3774)	(Y_3774)	(Y_3774)	(Y_2243)	(In2306)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00138**	**.10424**	**.00054**	**.81843**	**5.6431**	**.00004**	**13.498**	**-.00020**	**-.00037**
Stddev	.00156	.00485	.00099	.00145	.0036	.00015	.149	.00007	.00019
%RSD	112.64	4.6486	184.65	.17683	.06371	424.53	1.1028	34.672	50.641
#1	-.00248	.10082	-.00016	.81740	5.6456	.00014	13.393	-.00025	-.00024
#2	-.00028	.10767	.00124	.81945	5.6405	-.00007	13.603	-.00015	-.00050
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Cr2677	Cu3247	Fe2599	K_7664	K_7664-2	Li6707	Mg2790	Mn2576	Mo2020
Line	267.716 {126}	324.754 {104}	259.940 {130}	766.490 { 44}	766.490 { 44}2	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}
IS Ref	(Y_3600)	(Y_3600)	(Y_3774)	(Y_3774)	(Y_3774)	(Y_3774)	(Y_3600)	(Y_3600)	(Y_2243)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00035**	**-.00057**	**.03798**	**.87453**	**.87528**	**.00608**	**5.0723**	**.00312**	**.04000**
Stddev	.00040	.00006	.00239	.04935	.00099	.00045	.0435	.00022	.00002
%RSD	114.15	10.463	6.2996	5.6436	.11302	7.3982	.85694	7.0998	.05565
#1	.00007	-.00053	.03967	.83963	.87598	.00576	5.1031	.00296	.04001
#2	.00064	-.00061	.03629	.90943	.87458	.00640	5.0416	.00328	.03998
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Na8183	Ni2316	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899	Sr4077
Line	818.326 { 41}	231.604 {446}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}2	189.989 {477}	407.771 { 83}
IS Ref	(Y_3774)	(In2306)	(In2306)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3774)	(In2306)	(Y_3774)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**51.471**	**-.00017**	**.00116**	**1.110**	**.00230**	**-.00059**	**5.7577**	**-.00133**	**5.2139**
Stddev	.278	.00083	.00031	.003	.00056	.00019	.0311	.00031	.0213
%RSD	.54000	479.86	26.351	.2908	24.373	32.383	.54021	23.335	.40788
#1	51.275	.00041	.00137	1.112	.00270	-.00073	5.7357	-.00111	5.1989
#2	51.668	-.00076	.00094	1.107	.00190	-.00046	5.7796	-.00155	5.2289
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Ti3349	Tl1908	V_2924	Zn2062
Line	334.904 {101}	190.856 {477}	292.402 {115}	206.200 {163}
IS Ref	(Y_3600)	(In2306)	(Y_3600)	(Y_3600)
Units	ppm	ppm	ppm	ppm
Avg	**-.00025**	**.00340**	**-.00008**	**-.00104**
Stddev	.00003	.00153	.00039	.00094
%RSD	12.153	44.961	489.56	90.585
#1	-.00027	.00448	-.00036	-.00170
#2	-.00023	.00232	.00020	-.00037
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				
Low Limit				

Int. Std.	In2306	Y_2243	Y_3600	Y_3774
Line	230.606 {446}	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**1915.5**	**2773.4**	**24279.**	**4643.1**
Stddev	.1	8.9	9.	5.2
%RSD	.00761	.32195	.03594	.11112
#1	1915.6	2779.7	24286.	4646.7
#2	1915.4	2767.1	24273.	4639.4

Sample Name: 480-18037-A-7-A Acquired: 4/5/2012 16:29:45 Type: Unk
Method: ICAP1(v261) Mode: CONC Corr. Factor: 1.000000
User: MDM Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	B_2089	Ba4554-2	Be3130	Ca3179	Cd2288	Co2286
Line	328.068 {103}	308.215 {109}	189.042 {478}	208.959 {461}	455.403 { 74}2	313.042 {108}	317.933 {106}	228.802 {447}	228.616 {447}
IS Ref	(Y_3600)	(Y_3774)	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3774)	(Y_3774)	(Y_2243)	(In2306)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00150**	**.05474**	**.00191**	**1.0807**	**.13157**	**.00009**	**12.862**	**.00006**	**.00009**
Stddev	.00056	.04865	.00062	.0038	.00041	.00014	.097	.00000	.00004
%RSD	37.498	88.881	32.530	.34772	.31131	151.76	.75472	2.8199	44.755
#1	-.00110	.02034	.00235	1.0833	.13186	-.00001	12.931	.00006	.00006
#2	-.00189	.08914	.00147	1.0780	.13128	.00019	12.794	.00007	.00011
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Cr2677	Cu3247	Fe2599	K_7664	K_7664-2	Li6707	Mg2790	Mn2576	Mo2020
Line	267.716 {126}	324.754 {104}	259.940 {130}	766.490 { 44}	766.490 { 44}2	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}
IS Ref	(Y_3600)	(Y_3600)	(Y_3774)	(Y_3774)	(Y_3774)	(Y_3774)	(Y_3600)	(Y_3600)	(Y_2243)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00029**	**.00105**	**.14931**	**.94554**	**.92613**	**.00467**	**4.5962**	**.00587**	**.08995**
Stddev	.00007	.00001	.01260	.02544	.01379	.00011	.0229	.00013	.00007
%RSD	25.279	.91274	8.4388	2.6901	1.4894	2.3181	.49762	2.1454	.08064
#1	.00035	.00104	.15822	.96352	.93588	.00459	4.5800	.00596	.09000
#2	.00024	.00105	.14040	.92755	.91638	.00474	4.6124	.00578	.08990
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Na5895	Ni2316	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899	Sr4077
Line	589.592 { 57}	231.604 {446}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}2	189.989 {477}	407.771 { 83}
IS Ref	(Y_3774)	(In2306)	(In2306)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3774)	(In2306)	(Y_3774)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**48.294**	**-.00043**	**.00171**	**.2530**	**.00320**	**-.00580**	**5.8752**	**-.00106**	**1.6286**
Stddev	.099	.00082	.00061	.0011	.00433	.00298	.0408	.00008	.0035
%RSD	.20592	190.49	35.916	.4348	135.49	51.338	.69493	7.1594	.21218
#1	48.364	.00015	.00214	.2537	.00626	-.00790	5.9041	-.00111	1.6310
#2	48.223	-.00102	.00128	.2522	.00013	-.00369	5.8463	-.00100	1.6261
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Ti3349	Tl1908	V_2924	Zn2062
Line	334.904 {101}	190.856 {477}	292.402 {115}	206.200 {163}
IS Ref	(Y_3600)	(In2306)	(Y_3600)	(Y_3600)
Units	ppm	ppm	ppm	ppm
Avg	**.00051**	**-.00137**	**-.00080**	**-.00129**
Stddev	.00051	.00276	.00065	.00010
%RSD	99.711	202.01	81.419	7.4822
#1	.00015	.00059	-.00125	-.00122
#2	.00088	-.00332	-.00034	-.00135
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				
Low Limit				

Int. Std.	In2306	Y_2243	Y_3600	Y_3774
Line	230.606 {446}	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**1915.3**	**2757.8**	**24224.**	**4654.0**
Stddev	.8	.0	41.	43.5
%RSD	.04388	.00023	.17100	.93370
#1	1914.7	2757.8	24194.	4623.3
#2	1915.9	2757.8	24253.	4684.7

Sample Name: 480-18037-A-8-A Acquired: 4/5/2012 16:32:05 Type: Unk
Method: ICAP1(v261) Mode: CONC Corr. Factor: 1.000000
User: MDM Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	B_2089	Ba4554	Be3130	Ca3179	Cd2288	Co2286
Line	328.068 {103}	308.215 {109}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	317.933 {106}	228.802 {447}	228.616 {447}
IS Ref	(Y_3600)	(Y_3774)	(Y_2243)	(Y_2243)	(Y_3774)	(Y_3774)	(Y_3774)	(Y_2243)	(In2306)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00148**	**.06111**	**-.00047**	**.81578**	**5.5879**	**.00019**	**13.254**	**-.00014**	**-.00065**
Stddev	.00038	.03904	.00191	.00071	.0102	.00004	.057	.00011	.00021
%RSD	25.522	63.878	402.87	.08716	.18227	21.428	.42781	76.604	32.449
#1	-.00175	.03351	.00088	.81628	5.5951	.00016	13.294	-.00022	-.00080
#2	-.00122	.08872	-.00182	.81528	5.5807	.00022	13.214	-.00007	-.00050
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Cr2677	Cu3247	Fe2599	K_7664	K_7664-2	Li6707	Mg2790	Mn2576	Mo2020
Line	267.716 {126}	324.754 {104}	259.940 {130}	766.490 { 44}	766.490 { 44}2	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}
IS Ref	(Y_3600)	(Y_3600)	(Y_3774)	(Y_3774)	(Y_3774)	(Y_3774)	(Y_3600)	(Y_3600)	(Y_2243)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00036**	**.00054**	**.02364**	**.84977**	**.87023**	**.00526**	**5.0446**	**.00308**	**.03972**
Stddev	.00018	.00048	.00049	.03126	.00684	.00043	.0230	.00031	.00057
%RSD	49.123	89.054	2.0572	3.6791	.78544	8.1965	.45617	10.029	1.4272
#1	-.00049	.00020	.02330	.82766	.87507	.00556	5.0609	.00286	.04012
#2	-.00024	.00087	.02398	.87188	.86540	.00496	5.0283	.00330	.03932
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Na8183	Ni2316	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899	Sr4077
Line	818.326 { 41}	231.604 {446}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}2	189.989 {477}	407.771 { 83}
IS Ref	(Y_3774)	(In2306)	(In2306)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3774)	(In2306)	(Y_3774)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**51.039**	**-.00068**	**.00176**	**1.099**	**.00211**	**-.00122**	**5.6003**	**-.00064**	**5.1567**
Stddev	.409	.00094	.00056	.012	.00129	.00378	.0312	.00063	.0099
%RSD	.80135	138.26	32.070	1.093	61.054	309.16	.55637	99.117	.19225
#1	51.328	-.00134	.00136	1.108	.00303	-.00390	5.6224	-.00108	5.1637
#2	50.750	-.00002	.00216	1.091	.00120	.00145	5.5783	-.00019	5.1497
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Ti3349	Tl1908	V_2924	Zn2062
Line	334.904 {101}	190.856 {477}	292.402 {115}	206.200 {163}
IS Ref	(Y_3600)	(In2306)	(Y_3600)	(Y_3600)
Units	ppm	ppm	ppm	ppm
Avg	**.00010**	**.00126**	**-.00035**	**-.00137**
Stddev	.00029	.00153	.00095	.00014
%RSD	285.21	121.44	276.10	10.038
#1	-.00010	.00235	-.00102	-.00127
#2	.00031	.00018	.00033	-.00147
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				
Low Limit				

Int. Std.	In2306	Y_2243	Y_3600	Y_3774
Line	230.606 {446}	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**1917.5**	**2771.6**	**24043.**	**4633.4**
Stddev	.7	2.9	80.	14.0
%RSD	.03911	.10499	.33360	.30312
#1	1918.0	2773.7	23986.	4623.4
#2	1917.0	2769.6	24100.	4643.3

Sample Name: 480-18037-A-9-A Acquired: 4/5/2012 16:34:31 Type: Unk
Method: ICAP1(v261) Mode: CONC Corr. Factor: 1.000000
User: MDM Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	B_2089	Ba4554-2	Be3130	Ca3179	Cd2288	Co2286
Line	328.068 {103}	308.215 {109}	189.042 {478}	208.959 {461}	455.403 { 74}2	313.042 {108}	317.933 {106}	228.802 {447}	228.616 {447}
IS Ref	(Y_3600)	(Y_3774)	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3774)	(Y_3774)	(Y_2243)	(In2306)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00132**	**.06088**	**-.00145**	**.00891**	**.00039**	**.00002**	**.13540**	**.00008**	**.00005**
Stddev	.00007	.01267	.00082	.00043	.00004	.00007	.00146	.00017	.00012
%RSD	5.1962	20.806	56.767	4.8487	9.1803	322.66	1.0801	215.50	219.76
#1	-.00127	.06984	-.00203	.00861	.00041	.00007	.13437	.00020	.00013
#2	-.00137	.05192	-.00087	.00922	.00036	-.00003	.13644	-.00004	-.00003
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Cr2677	Cu3247	Fe2599	K_7664	K_7664-2	Li6707	Mg2790	Mn2576	Mo2020
Line	267.716 {126}	324.754 {104}	259.940 {130}	766.490 { 44}	766.490 { 44}2	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}
IS Ref	(Y_3600)	(Y_3600)	(Y_3774)	(Y_3774)	(Y_3774)	(Y_3774)	(Y_3600)	(Y_3600)	(Y_2243)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00057**	**-.00030**	**-.00175**	**.00850**	**.00441**	**.00028**	**.00412**	**.00000**	**.00014**
Stddev	.00027	.00006	.01476	.05402	.00020	.00237	.00680	.0001	.00009
%RSD	46.785	19.793	844.40	635.53	4.5231	852.08	165.01	2722.5	63.862
#1	-.00038	-.00034	-.01218	-.02970	.00427	.00195	.00893	-.00010	.00020
#2	-.00076	-.00026	.00869	.04670	.00455	-.00140	-.00069	.00009	.00007
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Na5895	Ni2316	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899	Sr4077
Line	589.592 { 57}	231.604 {446}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}2	189.989 {477}	407.771 { 83}
IS Ref	(Y_3774)	(In2306)	(In2306)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3774)	(In2306)	(Y_3774)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.06141**	**.00021**	**.00233**	**.0202**	**.00086**	**-.00191**	**.04058**	**-.00145**	**.00057**
Stddev	.00547	.00039	.00030	.0045	.00025	.00012	.01816	.00002	.00015
%RSD	8.9040	183.51	13.048	22.26	29.738	6.3376	44.750	1.0385	26.667
#1	.05754	-.00006	.00211	.0170	.00068	-.00200	.02774	-.00144	.00067
#2	.06527	.00049	.00254	.0234	.00104	-.00183	.05342	-.00146	.00046
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Ti3349	Tl1908	V_2924	Zn2062
Line	334.904 {101}	190.856 {477}	292.402 {115}	206.200 {163}
IS Ref	(Y_3600)	(In2306)	(Y_3600)	(Y_3600)
Units	ppm	ppm	ppm	ppm
Avg	**.00034**	**.00068**	**-.00046**	**-.00059**
Stddev	.00065	.00096	.00009	.00030
%RSD	191.66	142.51	20.084	51.480
#1	-.00012	.00136	-.00039	-.00038
#2	.00080	-.00001	-.00052	-.00080
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				
Low Limit				

Int. Std.	In2306	Y_2243	Y_3600	Y_3774
Line	230.606 {446}	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**2021.4**	**2833.9**	**25047.**	**4675.0**
Stddev	2.0	4.1	171.	8.7
%RSD	.10112	.14326	.68252	.18506
#1	2022.9	2836.8	24926.	4668.9
#2	2020.0	2831.0	25168.	4681.1

Sample Name: 480-18040-B-1-A Acquired: 4/5/2012 16:36:52 Type: Unk
Method: ICAP1(v261) Mode: CONC Corr. Factor: 1.000000
User: MDM Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	B_2089	Ba4554-2	Be3130	Ca3179	Cd2288	Co2286
Line	328.068 {103}	308.215 {109}	189.042 {478}	208.959 {461}	455.403 { 74}2	313.042 {108}	317.933 {106}	228.802 {447}	228.616 {447}
IS Ref	(Y_3600)	(Y_3774)	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3774)	(Y_3774)	(Y_2243)	(In2306)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00135**	**.04366**	**.00606**	**.02388**	**.02296**	**.00003**	**18.712**	**.00016**	**.00370**
Stddev	.00082	.03105	.00272	.00054	.00003	.00003	.053	.00012	.00011
%RSD	61.142	71.101	44.878	2.2764	.12713	74.924	.28357	78.919	2.9638
#1	-.00076	.06562	.00798	.02349	.02298	.00005	18.750	.00007	.00362
#2	-.00193	.02171	.00414	.02426	.02294	.00002	18.675	.00024	.00377
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Cr2677	Cu3247	Fe2599	K_7664	K_7664-2	Li6707	Mg2790	Mn2576	Mo2020
Line	267.716 {126}	324.754 {104}	259.940 {130}	766.490 { 44}	766.490 { 44}2	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}
IS Ref	(Y_3600)	(Y_3600)	(Y_3774)	(Y_3774)	(Y_3774)	(Y_3774)	(Y_3600)	(Y_3600)	(Y_2243)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00017**	**-.00027**	**13.201**	**1.4386**	**1.3530**	**.00144**	**5.3356**	**1.4143**	**.00099**
Stddev	.00034	.00010	.098	.0211	.0009	.00030	.0410	.0067	.00001
%RSD	203.01	36.160	.73914	1.4675	.06654	21.004	.76883	.47062	1.0702
#1	-.00041	-.00020	13.270	1.4535	1.3536	.00123	5.3646	1.4190	.00100
#2	.00007	-.00034	13.132	1.4237	1.3523	.00165	5.3066	1.4096	.00099
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Na5895	Ni2316	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899	Sr4077
Line	589.592 { 57}	231.604 {446}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}2	189.989 {477}	407.771 { 83}
IS Ref	(Y_3774)	(In2306)	(In2306)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3774)	(In2306)	(Y_3774)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**17.075**	**.00132**	**.00257**	**5.364**	**.00178**	**-.00072**	**7.6625**	**.00018**	**.09465**
Stddev	.061	.00092	.00346	.022	.00164	.00524	.0056	.00042	.00004
%RSD	.35567	69.901	134.72	.4156	92.139	731.87	.07242	239.94	.03878
#1	17.117	.00197	.00502	5.379	.00062	.00299	7.6586	-.00012	.09467
#2	17.032	.00067	.00012	5.348	.00295	-.00442	7.6665	.00048	.09462
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Ti3349	Tl1908	V_2924	Zn2062
Line	334.904 {101}	190.856 {477}	292.402 {115}	206.200 {163}
IS Ref	(Y_3600)	(In2306)	(Y_3600)	(Y_3600)
Units	ppm	ppm	ppm	ppm
Avg	**.00035**	**.00032**	**.00080**	**.00372**
Stddev	.00001	.00027	.00073	.00070
%RSD	2.6924	82.749	91.839	18.673
#1	.00036	.00013	.00132	.00323
#2	.00034	.00051	.00028	.00422
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				
Low Limit				

Int. Std.	In2306	Y_2243	Y_3600	Y_3774
Line	230.606 {446}	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**1947.5**	**2780.0**	**24473.**	**4661.2**
Stddev	5.3	10.9	135.	28.0
%RSD	.27431	.39272	.55351	.60083
#1	1943.7	2772.3	24377.	4641.4
#2	1951.2	2787.7	24568.	4681.0

Sample Name: CCV Acquired: 4/5/2012 16:39:13 Type: QC
Method: ICAP1(v261) Mode: CONC Corr. Factor: 1.000000
User: MDM Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	B_2089	Ba4554	Be3130	Ca3179	Cd2288	Co2286	Cr2677	Cu3247	Fe2599	K_7664
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.48914	25.152	.48149	.47213	.50491	.50720	25.243	.49026	.48178	.49368	.48719	25.788	24.794
Stddev	.00145	.024	.00292	.00032	.00222	.00075	.073	.00133	.00005	.00140	.00201	.043	.081
%RSD	.29656	.09565	.60685	.06873	.43973	.14848	.28856	.27062	.00942	.28414	.41287	.16749	.32817
#1	.48811	25.169	.48356	.47190	.50648	.50774	25.294	.49120	.48174	.49467	.48861	25.819	24.851
#2	.49016	25.135	.47942	.47236	.50334	.50667	25.191	.48932	.48181	.49269	.48577	25.758	24.736
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value													
Range													

Elem	K_7664-2	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	23.852	.49357	24.839	.51138	.49158	24.583	.49164	.49010	24.80	.49247	.48160	24.543	.50239
Stddev	.444	.00342	.035	.00007	.00132	.068	.00104	.00274	.13	.00115	.00389	.009	.00077
%RSD	1.8633	.69349	.13987	.01466	.26807	.27817	.21090	.55824	.5406	.23353	.80734	.03754	.15337
#1	23.537	.49599	24.814	.51143	.49251	24.631	.49238	.48817	24.89	.49166	.48435	24.549	.50184
#2	24.166	.49115	24.863	.51133	.49065	24.534	.49091	.49203	24.70	.49328	.47885	24.536	.50293
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value													
Range													

Elem	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm
Avg	.49004	.49609	.48905	.49219	.49473
Stddev	.00222	.00047	.00053	.00030	.00342
%RSD	.45349	.09378	.10900	.06195	.69216
#1	.49161	.49642	.48943	.49197	.49715
#2	.48846	.49576	.48868	.49240	.49231
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value					
Range					

Int. Std.	In2306	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	1870.5	2764.1	23970.	4642.3
Stddev	2.5	3.6	57.	1.6
%RSD	.13489	.12897	.23929	.03500
#1	1872.3	2761.6	24011.	4641.1
#2	1868.7	2766.6	23930.	4643.4

Sample Name: CCB Acquired: 4/5/2012 16:41:28 Type: QC
Method: ICAP1(v261) Mode: CONC Corr. Factor: 1.000000
User: MDM Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	B_2089	Ba4554-2	Be3130	Ca3179	Cd2288	Co2286	Cr2677	Cu3247	Fe2599	K_7664
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00137**	**.00255**	**-.00128**	**.00117**	**.00004**	**.00005**	**.00103**	**-.00003**	**.00006**	**-.00016**	**-.00022**	**.00485**	**.01279**
Stddev	.00102	.00037	.00134	.00027	.00005	.00008	.00677	.00003	.00020	.00014	.00033	.00252	.00922
%RSD	74.410	14.491	104.35	23.319	113.39	142.04	660.29	83.100	337.82	86.916	150.30	51.993	72.083
#1	-.00210	.00281	-.00222	.00098	.00007	.00000	.00581	-.00005	-.00008	-.00025	-.00045	.00306	.00627
#2	-.00065	.00228	-.00034	.00136	.00001	.00011	-.00376	-.00001	.00020	-.00006	.00001	.00663	.01930
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit													
Low Limit													

Elem	K_7664-2	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00170**	**-.00002**	**.00303**	**.00016**	**.00033**	**-.00578**	**-.00030**	**.00037**	**-.0015**	**.00218**	**-.00283**	**.03483**	**.00007**
Stddev	.00094	.00003	.00700	.00010	.00027	.00776	.00103	.00082	.0045	.00044	.00160	.02588	.00060
%RSD	55.324	167.29	230.93	61.102	80.450	134.33	348.86	221.31	292.3	19.940	56.410	74.318	820.88
#1	.00104	.00000	.00798	.00023	.00053	-.00029	-.00102	-.00021	-.0047	.00188	-.00170	.01652	.00050
#2	.00237	-.00004	-.00192	.00009	.00014	-.01126	.00043	.00095	.0016	.00249	-.00396	.05313	-.00035
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit													
Low Limit													

Elem	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm
Avg	**.00007**	**.00000**	**.00081**	**-.00063**	**-.00108**
Stddev	.00016	.00021	.00053	.00029	.00014
%RSD	210.19	26955.	65.312	46.496	13.251
#1	-.00004	.00015	.00044	-.00083	-.00118
#2	.00018	-.00015	.00119	-.00042	-.00098
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Int. Std.	In2306	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**2003.0**	**2783.3**	**24653.**	**4573.6**
Stddev	5.6	4.1	73.	13.5
%RSD	.27889	.14629	.29607	.29593
#1	1999.0	2780.4	24705.	4564.0
#2	2006.9	2786.2	24601.	4583.1

Sample Name: 480-18040-B-2-A Acquired: 4/5/2012 16:43:52 Type: Unk
Method: ICAP1(v261) Mode: CONC Corr. Factor: 1.000000
User: MDM Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	B_2089	Ba4554-2	Be3130	Ca3179	Cd2288	Co2286
Line	328.068 {103}	308.215 {109}	189.042 {478}	208.959 {461}	455.403 { 74}2	313.042 {108}	317.933 {106}	228.802 {447}	228.616 {447}
IS Ref	(Y_3600)	(Y_3774)	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3774)	(Y_3774)	(Y_2243)	(In2306)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00060**	**.05790**	**.00379**	**.10580**	**.04869**	**-.00003**	**32.725**	**.00038**	**.00754**
Stddev	.00038	.00731	.00260	.00021	.00036	.00008	.314	.00013	.00007
%RSD	63.339	12.620	68.555	.19889	.73183	240.80	.96008	33.387	.95358
#1	-.00033	.05274	.00195	.10595	.04844	.00002	32.947	.00029	.00759
#2	-.00087	.06307	.00563	.10565	.04894	-.00009	32.502	.00047	.00749
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Cr2677	Cu3247	Fe2599	K_7664	K_7664-2	Li6707	Mg2790	Mn2576	Mo2020
Line	267.716 {126}	324.754 {104}	259.940 {130}	766.490 { 44}	766.490 { 44}2	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}
IS Ref	(Y_3600)	(Y_3600)	(Y_3774)	(Y_3774)	(Y_3774)	(Y_3774)	(Y_3600)	(Y_3600)	(Y_2243)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00007**	**.00041**	**16.140**	**10.249**	**9.7307**	**.00068**	**8.2362**	**1.9532**	**.00111**
Stddev	.00104	.00047	.018	.066	.0898	.00062	.0203	.0057	.00016
%RSD	1432.8	114.25	.10887	.64678	.92243	90.267	.24689	.29304	14.596
#1	.00066	.00075	16.152	10.296	9.7942	.00112	8.2218	1.9491	.00123
#2	-.00081	.00008	16.128	10.202	9.6673	.00025	8.2506	1.9572	.00100
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Na5895	Ni2316	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899	Sr4077
Line	589.592 { 57}	231.604 {446}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}2	189.989 {477}	407.771 { 83}
IS Ref	(Y_3774)	(In2306)	(In2306)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3774)	(In2306)	(Y_3774)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**26.872**	**.00455**	**.00333**	**17.07**	**.00017**	**-.00143**	**7.5455**	**-.00062**	**.18520**
Stddev	.105	.00012	.00074	.08	.00021	.00546	.0681	.00028	.00024
%RSD	.39245	2.5813	22.326	.4411	124.19	382.21	.90287	45.995	.12829
#1	26.947	.00463	.00386	17.13	.00032	.00243	7.5936	-.00082	.18503
#2	26.797	.00447	.00281	17.02	.00002	-.00529	7.4973	-.00042	.18537
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Ti3349	Tl1908	V_2924	Zn2062
Line	334.904 {101}	190.856 {477}	292.402 {115}	206.200 {163}
IS Ref	(Y_3600)	(In2306)	(Y_3600)	(Y_3600)
Units	ppm	ppm	ppm	ppm
Avg	**.00018**	**-.00057**	**.00151**	**.00071**
Stddev	.00007	.00157	.00012	.00100
%RSD	36.698	277.87	7.7221	140.64
#1	.00013	-.00168	.00159	.00142
#2	.00023	.00055	.00143	.00000
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				
Low Limit				

Int. Std.	In2306	Y_2243	Y_3600	Y_3774
Line	230.606 {446}	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**1920.6**	**2758.4**	**24184.**	**4643.4**
Stddev	1.0	.6	11.	30.2
%RSD	.05025	.02213	.04560	.64947
#1	1921.3	2758.9	24176.	4622.1
#2	1919.9	2758.0	24192.	4664.7

Sample Name: 480-18040-B-3-A Acquired: 4/5/2012 16:46:15 Type: Unk
Method: ICAP1(v261) Mode: CONC Corr. Factor: 1.000000
User: MDM Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	B_2089	Ba4554-2	Be3130	Ca3179	Cd2288	Co2286
Line	328.068 {103}	308.215 {109}	189.042 {478}	208.959 {461}	455.403 { 74}2	313.042 {108}	317.933 {106}	228.802 {447}	228.616 {447}
IS Ref	(Y_3600)	(Y_3774)	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3774)	(Y_3774)	(Y_2243)	(In2306)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00188**	**.08092**	**.00954**	**.09309**	**.08850**	**.00013**	**27.393**	**.00046**	**.04406**
Stddev	.00058	.02480	.00071	.00035	.00013	.00005	.009	.00002	.00034
%RSD	30.695	30.641	7.4651	.37160	.14992	34.959	.03312	4.6080	.77907
#1	-.00147	.09846	.00904	.09334	.08841	.00017	27.387	.00048	.04430
#2	-.00229	.06339	.01005	.09285	.08859	.00010	27.400	.00045	.04382
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Cr2677	Cu3247	Fe2714	K_7664	K_7664-2	Li6707	Mg2790	Mn2576	Mo2020
Line	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}	766.490 { 44}2	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}
IS Ref	(Y_3600)	(Y_3600)	(Y_3774)	(Y_3774)	(Y_3774)	(Y_3774)	(Y_3600)	(Y_3600)	(Y_2243)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00180**	**.00050**	**112.57**	**12.081**	**12.578**	**.00055**	**6.4306**	**3.2619**	**.00359**
Stddev	.00056	.00014	.10	.058	.253	.00069	.0009	.0001	.00034
%RSD	30.995	27.870	.08894	.48368	2.0099	124.35	.01432	.00280	9.5135
#1	-.00140	.00060	112.64	12.039	12.399	.00104	6.4299	3.2620	.00383
#2	-.00219	.00040	112.50	12.122	12.757	.00007	6.4312	3.2618	.00335
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Na8183	Ni2316	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899	Sr4077
Line	818.326 { 41}	231.604 {446}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}2	189.989 {477}	407.771 { 83}
IS Ref	(Y_3774)	(In2306)	(In2306)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3774)	(In2306)	(Y_3774)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**66.238**	**.01012**	**.00478**	**4.948**	**-.00177**	**-.00422**	**7.9033**	**.00038**	**.13847**
Stddev	.119	.00050	.00142	.013	.00010	.00443	.0134	.00053	.00034
%RSD	.17930	4.9508	29.717	.2643	5.7858	105.03	.16971	139.67	.24197
#1	66.322	.00976	.00579	4.958	-.00169	-.00109	7.8938	.00075	.13824
#2	66.154	.01047	.00378	4.939	-.00184	-.00735	7.9128	.00000	.13871
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Ti3349	Tl1908	V_2924	Zn2062
Line	334.904 {101}	190.856 {477}	292.402 {115}	206.200 {163}
IS Ref	(Y_3600)	(In2306)	(Y_3600)	(Y_3600)
Units	ppm	ppm	ppm	ppm
Avg	**-.00037**	**-.00174**	**.00387**	**.00041**
Stddev	.00013	.00387	.00027	.00046
%RSD	36.099	222.90	6.9972	112.48
#1	-.00047	-.00448	.00406	.00008
#2	-.00028	.00100	.00368	.00073
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				
Low Limit				

Int. Std.	In2306	Y_2243	Y_3600	Y_3774
Line	230.606 {446}	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**1864.5**	**2731.5**	**23928.**	**4616.9**
Stddev	2.0	5.9	39.	25.7
%RSD	.10628	.21768	.16341	.55745
#1	1863.1	2727.3	23955.	4635.1
#2	1865.9	2735.7	23900.	4598.7

Sample Name: 480-18040-B-4-A Acquired: 4/5/2012 16:48:38 Type: Unk
Method: ICAP1(v261) Mode: CONC Corr. Factor: 1.000000
User: MDM Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	B_2089	Ba4554-2	Be3130	Ca3179	Cd2288	Co2286
Line	328.068 {103}	308.215 {109}	189.042 {478}	208.959 {461}	455.403 { 74}2	313.042 {108}	317.933 {106}	228.802 {447}	228.616 {447}
IS Ref	(Y_3600)	(Y_3774)	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3774)	(Y_3774)	(Y_2243)	(In2306)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00075**	**.13447**	**.00879**	**.04978**	**.01413**	**.00012**	**22.869**	**.00003**	**.00128**
Stddev	.00094	.00472	.00036	.00005	.00001	.00006	.041	.00007	.00012
%RSD	124.37	3.5081	4.1383	.09095	.06494	55.085	.17884	247.60	9.1332
#1	-.00141	.13781	.00905	.04975	.01413	.00016	22.840	.00008	.00120
#2	-.00009	.13114	.00853	.04981	.01412	.00007	22.898	-.00002	.00136
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Cr2677	Cu3247	Fe2599	K_7664	K_7664-2	Li6707	Mg2790	Mn2576	Mo2020
Line	267.716 {126}	324.754 {104}	259.940 {130}	766.490 { 44}	766.490 { 44}2	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}
IS Ref	(Y_3600)	(Y_3600)	(Y_3774)	(Y_3774)	(Y_3774)	(Y_3774)	(Y_3600)	(Y_3600)	(Y_2243)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00073**	**.00025**	**4.4714**	**1.2499**	**1.0975**	**.00394**	**4.1431**	**.91777**	**.00019**
Stddev	.00033	.00011	.0084	.0158	.0055	.00127	.0302	.00021	.00022
%RSD	45.444	44.788	.18807	1.2615	.49954	32.283	.72815	.02295	118.44
#1	.00050	.00017	4.4654	1.2387	1.0936	.00484	4.1218	.91792	.00003
#2	.00097	.00033	4.4773	1.2610	1.1014	.00304	4.1644	.91762	.00035
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Na5895	Ni2316	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899	Sr4077
Line	589.592 { 57}	231.604 {446}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}2	189.989 {477}	407.771 { 83}
IS Ref	(Y_3774)	(In2306)	(In2306)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3774)	(In2306)	(Y_3774)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**11.922**	**.00104**	**.00153**	**4.939**	**.00072**	**-.00360**	**9.7418**	**-.00081**	**.10943**
Stddev	.064	.00025	.00127	.020	.00054	.00740	.0805	.00029	.00069
%RSD	.53631	24.244	83.105	.3958	74.317	205.35	.82593	35.633	.62599
#1	11.877	.00122	.00243	4.953	.00110	-.00883	9.6849	-.00102	.10894
#2	11.967	.00086	.00063	4.925	.00034	.00163	9.7987	-.00061	.10991
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Ti3349	Tl1908	V_2924	Zn2062
Line	334.904 {101}	190.856 {477}	292.402 {115}	206.200 {163}
IS Ref	(Y_3600)	(In2306)	(Y_3600)	(Y_3600)
Units	ppm	ppm	ppm	ppm
Avg	**.00107**	**.00110**	**-.00001**	**.00355**
Stddev	.00011	.00088	.00087	.00068
%RSD	10.515	79.891	11567.	19.239
#1	.00115	.00048	-.00063	.00307
#2	.00099	.00172	.00061	.00404
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				
Low Limit				

Int. Std.	In2306	Y_2243	Y_3600	Y_3774
Line	230.606 {446}	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**1955.8**	**2785.1**	**24365.**	**4615.9**
Stddev	5.2	1.3	13.	13.0
%RSD	.26583	.04693	.05247	.28238
#1	1952.2	2786.0	24356.	4625.1
#2	1959.5	2784.2	24374.	4606.7

Sample Name: 480-18040-B-5-A Acquired: 4/5/2012 16:50:58 Type: Unk
Method: ICAP1(v261) Mode: CONC Corr. Factor: 1.000000
User: MDM Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	B_2089	Ba4554-2	Be3130	Ca3179	Cd2288	Co2286
Line	328.068 {103}	308.215 {109}	189.042 {478}	208.959 {461}	455.403 { 74}2	313.042 {108}	317.933 {106}	228.802 {447}	228.616 {447}
IS Ref	(Y_3600)	(Y_3774)	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3774)	(Y_3774)	(Y_2243)	(In2306)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00099**	**.16977**	**.01820**	**.08849**	**.31129**	**.00002**	**19.093**	**-.00006**	**.04553**
Stddev	.00176	.02953	.00004	.00001	.00076	.00020	.049	.00011	.00027
%RSD	178.69	17.392	.20676	.00881	.24336	1273.7	.25540	184.38	.58754
#1	.00026	.19065	.01823	.08849	.31182	.00016	19.059	-.00014	.04572
#2	-.00223	.14889	.01818	.08850	.31075	-.00013	19.128	.00002	.04534
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Cr2677	Cu3247	Fe2714	K_7664	K_7664-2	Li6707	Mg2790	Mn2576	Mo2020
Line	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}	766.490 { 44}2	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}
IS Ref	(Y_3600)	(Y_3600)	(Y_3774)	(Y_3774)	(Y_3774)	(Y_3774)	(Y_3600)	(Y_3600)	(Y_2243)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F **-.00450**	**.00026**	**55.703**	**7.0372**	**7.2596**	**.00208**	**5.1024**	**12.199**	**.00484**
Stddev	.00064	.00024	.080	.0508	.0004	.00021	.0072	.009	.00015
%RSD	14.247	93.210	.14372	.72113	.00601	9.8768	.14192	.07275	3.0131
#1	-.00496	.00043	55.760	7.0013	7.2592	.00194	5.0973	12.206	.00494
#2	-.00405	.00009	55.647	7.0731	7.2599	.00223	5.1075	12.193	.00473
Check ?	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	40.000								
Low Limit	-.00400								

Elem	Na5895	Ni2316	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899	Sr4077
Line	589.592 { 57}	231.604 {446}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}2	189.989 {477}	407.771 { 83}
IS Ref	(Y_3774)	(In2306)	(In2306)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3774)	(In2306)	(Y_3774)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**46.134**	**.00977**	**.00319**	**3.903**	**-.00191**	**-.00490**	**6.3619**	**-.00047**	**.11719**
Stddev	.145	.00030	.00195	.001	.00251	.00001	.0741	.00017	.00059
%RSD	.31529	3.0267	61.050	.0364	131.31	.16915	1.1641	35.435	.50750
#1	46.031	.00998	.00457	3.902	-.00014	-.00490	6.3095	-.00035	.11677
#2	46.236	.00956	.00182	3.904	-.00369	-.00489	6.4142	-.00059	.11761
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Ti3349	Tl1908	V_2924	Zn2062
Line	334.904 {101}	190.856 {477}	292.402 {115}	206.200 {163}
IS Ref	(Y_3600)	(In2306)	(Y_3600)	(Y_3600)
Units	ppm	ppm	ppm	ppm
Avg	**.00033**	**-.00603**	**.01038**	**.00279**
Stddev	.00001	.00161	.00037	.00046
%RSD	1.7122	26.624	3.5201	16.414
#1	.00033	-.00717	.01063	.00311
#2	.00033	-.00490	.01012	.00246
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				
Low Limit				

Int. Std.	In2306	Y_2243	Y_3600	Y_3774
Line	230.606 {446}	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**1900.9**	**2755.7**	**24035.**	**4632.1**
Stddev	1.2	3.6	23.	21.4
%RSD	.06477	.13128	.09607	.46251
#1	1900.0	2758.3	24018.	4647.3
#2	1901.7	2753.2	24051.	4617.0

Sample Name: 480-18040-B-6-A Acquired: 4/5/2012 16:53:17 Type: Unk
Method: ICAP1(v261) Mode: CONC Corr. Factor: 1.000000
User: MDM Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	B_2089	Ba4554-2	Be3130	Ca3179	Cd2288	Co2286
Line	328.068 {103}	308.215 {109}	189.042 {478}	208.959 {461}	455.403 { 74}2	313.042 {108}	317.933 {106}	228.802 {447}	228.616 {447}
IS Ref	(Y_3600)	(Y_3774)	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3774)	(Y_3774)	(Y_2243)	(In2306)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00154**	**.07817**	**.00700**	**.01514**	**.01036**	**.00018**	**31.861**	**.00001**	**.00015**
Stddev	.00043	.01140	.00165	.00004	.00005	.00011	.122	.00018	.00010
%RSD	27.933	14.581	23.605	.26506	.50705	60.833	.38386	2637.2	66.451
#1	-.00123	.07011	.00583	.01516	.01033	.00026	31.948	-.00012	.00022
#2	-.00184	.08623	.00817	.01511	.01040	.00010	31.775	.00013	.00008
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Cr2677	Cu3247	Fe2599	K_7664	K_7664-2	Li6707	Mg2790	Mn2576	Mo2020
Line	267.716 {126}	324.754 {104}	259.940 {130}	766.490 { 44}	766.490 { 44}2	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}
IS Ref	(Y_3600)	(Y_3600)	(Y_3774)	(Y_3774)	(Y_3774)	(Y_3774)	(Y_3600)	(Y_3600)	(Y_2243)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00001**	**-.00006**	**.40170**	**.90861**	**.80960**	**.00266**	**4.9178**	**1.3011**	**.00042**
Stddev	.00090	.00025	.00664	.05305	.00196	.00136	.0011	.0041	.00009
%RSD	16525.	434.71	1.6526	5.8382	.24238	51.309	.02293	.31382	21.433
#1	.00064	.00012	.39700	.87110	.81099	.00362	4.9186	1.2982	.00036
#2	-.00063	-.00024	.40639	.94612	.80822	.00169	4.9171	1.3040	.00048
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Na5895	Ni2316	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899	Sr4077
Line	589.592 { 57}	231.604 {446}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}2	189.989 {477}	407.771 { 83}
IS Ref	(Y_3774)	(In2306)	(In2306)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3774)	(In2306)	(Y_3774)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**10.471**	**.00036**	**.00461**	**4.443**	**.00150**	**-.00116**	**10.815**	**-.00104**	**.13017**
Stddev	.035	.00068	.00157	.015	.00260	.00113	.066	.00059	.00129
%RSD	.33864	187.32	34.121	.3369	172.82	97.200	.61315	56.581	.99053
#1	10.496	.00085	.00572	4.454	-.00033	-.00036	10.768	-.00062	.13108
#2	10.446	-.00012	.00350	4.432	.00334	-.00196	10.862	-.00146	.12926
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Ti3349	Tl1908	V_2924	Zn2062
Line	334.904 {101}	190.856 {477}	292.402 {115}	206.200 {163}
IS Ref	(Y_3600)	(In2306)	(Y_3600)	(Y_3600)
Units	ppm	ppm	ppm	ppm
Avg	**.00243**	**.00117**	**.00044**	**-.00073**
Stddev	.00011	.00306	.00036	.00071
%RSD	4.7126	261.01	80.924	96.628
#1	.00251	-.00099	.00019	-.00123
#2	.00234	.00334	.00070	-.00023
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				
Low Limit				

Int. Std.	In2306	Y_2243	Y_3600	Y_3774
Line	230.606 {446}	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**1945.0**	**2767.7**	**24340.**	**4634.9**
Stddev	6.9	14.4	72.	2.6
%RSD	.35489	.52169	.29651	.05507
#1	1949.9	2777.9	24391.	4633.1
#2	1940.2	2757.4	24289.	4636.7

Sample Name: 480-18040-B-7-A Acquired: 4/5/2012 16:55:35 Type: Unk
Method: ICAP1(v261) Mode: CONC Corr. Factor: 1.000000
User: MDM Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	B_2089	Ba4554-2	Be3130	Ca3179	Cd2288	Co2286
Line	328.068 {103}	308.215 {109}	189.042 {478}	208.959 {461}	455.403 { 74}2	313.042 {108}	317.933 {106}	228.802 {447}	228.616 {447}
IS Ref	(Y_3600)	(Y_3774)	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3774)	(Y_3774)	(Y_2243)	(In2306)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00139**	**.05707**	**.00081**	**.04899**	**.02126**	**.00005**	**11.457**	**.00038**	**.01401**
Stddev	.00017	.03256	.00297	.00085	.00003	.00024	.023	.00013	.00005
%RSD	12.154	57.058	365.05	1.7399	.15252	463.01	.20500	34.095	.35063
#1	-.00151	.03405	-.00129	.04959	.02128	.00023	11.473	.00029	.01397
#2	-.00127	.08010	.00292	.04838	.02124	-.00012	11.440	.00047	.01404
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Cr2677	Cu3247	Fe2599	K_7664	K_7664-2	Li6707	Mg2790	Mn2576	Mo2020
Line	267.716 {126}	324.754 {104}	259.940 {130}	766.490 { 44}	766.490 { 44}2	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}
IS Ref	(Y_3600)	(Y_3600)	(Y_3774)	(Y_3774)	(Y_3774)	(Y_3774)	(Y_3600)	(Y_3600)	(Y_2243)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F **-.00503**	**.00247**	**9.1973**	**4.8929**	**4.8004**	**.00222**	**3.1206**	**15.446**	**.00058**
Stddev	.00027	.00024	.0514	.0349	.0084	.00073	.0114	.343	.00002
%RSD	5.2826	9.7029	.55896	.71314	.17429	32.891	.36531	2.2237	3.9177
#1	-.00522	.00230	9.1609	4.8682	4.7945	.00170	3.1286	15.203	.00059
#2	-.00485	.00264	9.2336	4.9175	4.8063	.00273	3.1125	15.689	.00056
Check ?	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	40.000								
Low Limit	-.00400								

Elem	Na5895	Ni2316	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899	Sr4077
Line	589.592 { 57}	231.604 {446}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}2	189.989 {477}	407.771 { 83}
IS Ref	(Y_3774)	(In2306)	(In2306)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3774)	(In2306)	(Y_3774)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**15.220**	**.00909**	**.00344**	**3.679**	**.00103**	**-.00230**	**5.3246**	**-.00066**	**.07208**
Stddev	.002	.00006	.00242	.014	.00109	.00282	.0203	.00027	.00003
%RSD	.01362	.69399	70.396	.3774	105.78	122.73	.38104	41.204	.04189
#1	15.219	.00905	.00173	3.688	.00026	-.00030	5.3389	-.00085	.07210
#2	15.222	.00914	.00516	3.669	.00181	-.00430	5.3102	-.00047	.07206
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Ti3349	Tl1908	V_2924	Zn2062
Line	334.904 {101}	190.856 {477}	292.402 {115}	206.200 {163}
IS Ref	(Y_3600)	(In2306)	(Y_3600)	(Y_3600)
Units	ppm	ppm	ppm	ppm
Avg	**-.00019**	**-.00738**	**.01174**	**.00581**
Stddev	.00007	.00120	.00052	.00006
%RSD	35.750	16.249	4.4110	.95322
#1	-.00014	-.00823	.01138	.00585
#2	-.00024	-.00653	.01211	.00577
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				
Low Limit				

Int. Std.	In2306	Y_2243	Y_3600	Y_3774
Line	230.606 {446}	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**1997.8**	**2817.3**	**25222.**	**4609.5**
Stddev	5.6	3.7	39.	1.2
%RSD	.28227	.13304	.15398	.02522
#1	2001.8	2820.0	25194.	4610.3
#2	1993.8	2814.7	25249.	4608.7

Sample Name: 480-18040-B-8-A Acquired: 4/5/2012 16:58:01 Type: Unk
Method: ICAP1(v261) Mode: CONC Corr. Factor: 1.000000
User: MDM Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	B_2089	Ba4554-2	Be3130	Ca3179	Cd2288	Co2286
Line	328.068 {103}	308.215 {109}	189.042 {478}	208.959 {461}	455.403 { 74}2	313.042 {108}	317.933 {106}	228.802 {447}	228.616 {447}
IS Ref	(Y_3600)	(Y_3774)	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3774)	(Y_3774)	(Y_2243)	(In2306)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00084**	**.00536**	**.01143**	**.01282**	**.01734**	**-.00007**	**18.329**	**.00003**	**.00133**
Stddev	.00022	.00815	.00232	.00032	.00003	.00002	.076	.00012	.00034
%RSD	25.834	152.08	20.293	2.5117	.18324	30.602	.41448	445.87	25.831
#1	-.00069	.01112	.00979	.01305	.01732	-.00006	18.275	.00011	.00109
#2	-.00099	-.00040	.01308	.01259	.01736	-.00009	18.383	-.00006	.00158
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Cr2677	Cu3247	Fe2599	K_7664	K_7664-2	Li6707	Mg2790	Mn2576	Mo2020
Line	267.716 {126}	324.754 {104}	259.940 {130}	766.490 { 44}	766.490 { 44}2	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}
IS Ref	(Y_3600)	(Y_3600)	(Y_3774)	(Y_3774)	(Y_3774)	(Y_3774)	(Y_3600)	(Y_3600)	(Y_2243)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00065**	**.00007**	**5.7170**	**.78811**	**.73555**	**.00281**	**3.6684**	**.94606**	**-.00002**
Stddev	.00009	.00030	.0017	.00888	.00333	.00176	.0077	.00331	.00008
%RSD	13.630	408.13	.03015	1.1265	.45315	62.589	.20931	.34938	392.88
#1	-.00059	.00029	5.7158	.79439	.73790	.00405	3.6630	.94372	-.00008
#2	-.00072	-.00014	5.7183	.78183	.73319	.00157	3.6738	.94839	.00004
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Na5895	Ni2316	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899	Sr4077
Line	589.592 { 57}	231.604 {446}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}2	189.989 {477}	407.771 { 83}
IS Ref	(Y_3774)	(In2306)	(In2306)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3774)	(In2306)	(Y_3774)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**8.6246**	**.00046**	**.00186**	**5.260**	**.00315**	**-.00200**	**10.320**	**-.00056**	**.08910**
Stddev	.0150	.00001	.00026	.022	.00033	.00314	.055	.00057	.00025
%RSD	.17406	1.1544	14.112	.4099	10.395	156.86	.53562	101.82	.27541
#1	8.6139	.00046	.00205	5.275	.00338	-.00422	10.281	-.00096	.08893
#2	8.6352	.00047	.00168	5.244	.00292	.00022	10.359	-.00016	.08927
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Ti3349	Tl1908	V_2924	Zn2062
Line	334.904 {101}	190.856 {477}	292.402 {115}	206.200 {163}
IS Ref	(Y_3600)	(In2306)	(Y_3600)	(Y_3600)
Units	ppm	ppm	ppm	ppm
Avg	**-.00052**	**.00036**	**.00077**	**.00403**
Stddev	.00022	.00177	.00036	.00058
%RSD	42.539	488.35	46.822	14.320
#1	-.00036	-.00089	.00052	.00444
#2	-.00067	.00161	.00103	.00362
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				
Low Limit				

Int. Std.	In2306	Y_2243	Y_3600	Y_3774
Line	230.606 {446}	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**2005.2**	**2811.5**	**25145.**	**4885.9**
Stddev	5.0	2.0	82.	8.3
%RSD	.25038	.07273	.32563	.17079
#1	2001.7	2810.0	25203.	4880.0
#2	2008.8	2812.9	25087.	4891.8

Sample Name: MB 480-58146/1-B Acquired: 4/5/2012 17:00:21 Type: Unk
Method: ICAP1(v261) Mode: CONC Corr. Factor: 1.000000
User: MDM Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	B_2089	Ba4554-2	Be3130	Ca3179	Cd2288	Co2286
Line	328.068 {103}	308.215 {109}	189.042 {478}	208.959 {461}	455.403 { 74}2	313.042 {108}	317.933 {106}	228.802 {447}	228.616 {447}
IS Ref	(Y_3600)	(Y_3774)	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3774)	(Y_3774)	(Y_2243)	(In2306)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00071**	**.01813**	**.00094**	**.00646**	**.00002**	**.00008**	**.08071**	**-.00002**	**-.00006**
Stddev	.00031	.02107	.00157	.00067	.00001	.00010	.00398	.00002	.00003
%RSD	43.016	116.24	166.47	10.304	29.832	129.18	4.9352	81.318	59.364
#1	-.00050	.03303	.00205	.00599	.00003	.00001	.07789	-.00004	-.00008
#2	-.00093	.00323	-.00017	.00693	.00002	.00015	.08352	-.00001	-.00003
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Cr2677	Cu3247	Fe2599	K_7664	K_7664-2	Li6707	Mg2790	Mn2576	Mo2020
Line	267.716 {126}	324.754 {104}	259.940 {130}	766.490 { 44}	766.490 { 44}2	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}
IS Ref	(Y_3600)	(Y_3600)	(Y_3774)	(Y_3774)	(Y_3774)	(Y_3774)	(Y_3600)	(Y_3600)	(Y_2243)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00002**	**.00010**	**.00134**	**-.06295**	**.00203**	**-.00012**	**.00581**	**.00020**	**-.00013**
Stddev	.00010	.00058	.00618	.02308	.00007	.00045	.01148	.00008	.00021
%RSD	467.23	585.66	459.68	36.667	3.4657	379.54	197.48	41.579	165.45
#1	.00009	-.00031	.00572	-.07927	.00208	.00020	-.00230	.00025	-.00028
#2	-.00005	.00051	-.00303	-.04663	.00198	-.00044	.01393	.00014	.00002
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Na5895	Ni2316	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899	Sr4077
Line	589.592 { 57}	231.604 {446}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}2	189.989 {477}	407.771 { 83}
IS Ref	(Y_3774)	(In2306)	(In2306)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3774)	(In2306)	(Y_3774)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00114**	**.00019**	**.00168**	F **-.0055**	**.00092**	**.00231**	**.01679**	**-.00039**	**.00024**
Stddev	.00799	.00033	.00061	.0035	.00042	.00109	.01510	.00027	.00007
%RSD	699.95	168.18	36.374	63.15	45.664	47.078	89.933	67.822	31.092
#1	.00679	-.00004	.00124	-.0080	.00122	.00308	.02746	-.00020	.00019
#2	-.00451	.00043	.00211	-.0030	.00062	.00154	.00611	-.00058	.00029
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				.0030					
Low Limit				-.0040					

Elem	Ti3349	Tl1908	V_2924	Zn2062
Line	334.904 {101}	190.856 {477}	292.402 {115}	206.200 {163}
IS Ref	(Y_3600)	(In2306)	(Y_3600)	(Y_3600)
Units	ppm	ppm	ppm	ppm
Avg	**-.00003**	**.00188**	**-.00083**	**-.00067**
Stddev	.00032	.00037	.00013	.00016
%RSD	1230.7	19.736	15.111	24.156
#1	.00020	.00215	-.00074	-.00056
#2	-.00025	.00162	-.00092	-.00079
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				
Low Limit				

Int. Std.	In2306	Y_2243	Y_3600	Y_3774
Line	230.606 {446}	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**2058.4**	**2849.0**	**25625.**	**4870.2**
Stddev	2.2	2.6	9.	28.5
%RSD	.10545	.09148	.03318	.58477
#1	2060.0	2847.2	25619.	4890.3
#2	2056.9	2850.9	25631.	4850.0

Sample Name: LCS 480-58146/2-B Acquired: 4/5/2012 17:02:42 Type: Unk
Method: ICAP1(v261) Mode: CONC Corr. Factor: 1.000000
User: MDM Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	B_2089	Ba4554-2	Be3130	Ca3179	Cd2288	Co2286
Line	328.068 {103}	308.215 {109}	189.042 {478}	208.959 {461}	455.403 { 74}2	313.042 {108}	317.933 {106}	228.802 {447}	228.616 {447}
IS Ref	(Y_3600)	(Y_3774)	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3774)	(Y_3774)	(Y_2243)	(In2306)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.05265**	**10.258**	F **.25653**	**.21251**	**.20848**	**.21536**	**10.146**	**.20331**	**.19491**
Stddev	.00003	.088	.02407	.00228	.00090	.00022	.070	.00020	.00429
%RSD	.05724	.85493	9.3835	1.0706	.43129	.10256	.68667	.09961	2.2003
#1	.05267	10.196	.23951	.21090	.20784	.21520	10.097	.20316	.19795
#2	.05263	10.320	.27355	.21412	.20911	.21551	10.195	.20345	.19188
Check ?	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit			.23000						
Low Limit			.17000						

Elem	Cr2677	Cu3247	Fe2599	K_7664	K_7664-2	Li6707	Mg2790	Mn2576	Mo2020
Line	267.716 {126}	324.754 {104}	259.940 {130}	766.490 { 44}	766.490 { 44}2	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}
IS Ref	(Y_3600)	(Y_3600)	(Y_3774)	(Y_3774)	(Y_3774)	(Y_3774)	(Y_3600)	(Y_3600)	(Y_2243)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.20278**	**.20480**	**10.302**	**9.9862**	**9.3738**	**.20442**	**10.074**	**.20917**	**.20694**
Stddev	.00002	.00130	.042	.0334	.2927	.00094	.054	.00091	.00158
%RSD	.00934	.63244	.41161	.33452	3.1225	.46099	.53747	.43413	.76550
#1	.20277	.20388	10.272	9.9626	9.1669	.20376	10.036	.20853	.20582
#2	.20279	.20571	10.332	10.010	9.5808	.20509	10.112	.20981	.20806
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Na5895	Ni2316	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899	Sr4077
Line	589.592 { 57}	231.604 {446}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}2	189.989 {477}	407.771 { 83}
IS Ref	(Y_3774)	(In2306)	(In2306)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3774)	(In2306)	(Y_3774)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**9.9606**	**.20434**	**.22001**	F **4.112**	F **.15797**	F **.23168**	**9.9700**	**.19455**	**.20270**
Stddev	.0076	.00427	.00841	2.461	.01898	.02416	.0671	.00425	.00039
%RSD	.07621	2.0900	3.8247	59.84	12.017	10.430	.67296	2.1865	.19106
#1	9.9552	.20132	.21406	2.372	.17140	.21459	9.9225	.19154	.20297
#2	9.9659	.20736	.22596	5.852	.14455	.24877	10.017	.19755	.20243
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Fail	Chk Fail	Chk Pass	Chk Pass	Chk Pass
High Limit				11.50	.23000	.23000			
Low Limit				8.500	.17000	.17000			

Elem	Ti3349	Tl1908	V_2924	Zn2062
Line	334.904 {101}	190.856 {477}	292.402 {115}	206.200 {163}
IS Ref	(Y_3600)	(In2306)	(Y_3600)	(Y_3600)
Units	ppm	ppm	ppm	ppm
Avg	**.20185**	**.22097**	**.19934**	**.20905**
Stddev	.00034	.01150	.00044	.00309
%RSD	.16895	5.2052	.22190	1.4769
#1	.20161	.21284	.19966	.20686
#2	.20209	.22910	.19903	.21123
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				
Low Limit				

Int. Std.	In2306	Y_2243	Y_3600	Y_3774
Line	230.606 {446}	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**1809.3**	**2628.3**	**24360.**	**4866.5**
Stddev	31.9	30.8	366.	33.0
%RSD	1.7622	1.1721	1.5033	.67767
#1	1831.9	2650.1	24618.	4889.8
#2	1786.8	2606.5	24101.	4843.1

Sample Name: 480-18062-B-1-A Acquired: 4/5/2012 17:04:59 Type: Unk
Method: ICAP1(v261) Mode: CONC Corr. Factor: 1.000000
User: MDM Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	B_2089	Ba4554-2	Be3130	Ca3179	Cd2288	Co2286
Line	328.068 {103}	308.215 {109}	189.042 {478}	208.959 {461}	455.403 { 74}2	313.042 {108}	317.933 {106}	228.802 {447}	228.616 {447}
IS Ref	(Y_3600)	(Y_3774)	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3774)	(Y_3774)	(Y_2243)	(In2306)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00079**	**.04814**	**-.00026**	**.00545**	**.00011**	**-.00013**	**.08826**	**.00002**	**.00008**
Stddev	.00040	.03928	.00194	.00049	.00002	.00010	.01072	.00015	.00008
%RSD	51.423	81.590	753.21	9.0580	15.567	77.809	12.148	880.63	105.75
#1	-.00050	.02037	-.00163	.00579	.00012	-.00020	.09585	-.00009	.00002
#2	-.00107	.07592	.00111	.00510	.00010	-.00006	.08068	.00013	.00013
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Cr2677	Cu3247	Fe2599	K_7664	K_7664-2	Li6707	Mg2790	Mn2576	Mo2020
Line	267.716 {126}	324.754 {104}	259.940 {130}	766.490 { 44}	766.490 { 44}2	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}
IS Ref	(Y_3600)	(Y_3600)	(Y_3774)	(Y_3774)	(Y_3774)	(Y_3774)	(Y_3600)	(Y_3600)	(Y_2243)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00049**	**-.00033**	**.01584**	**.02027**	**.00260**	**-.00044**	**.00401**	**-.00010**	**.00019**
Stddev	.00015	.00030	.00727	.00098	.00039	.00053	.00185	.00001	.00004
%RSD	30.334	90.996	45.883	4.8398	14.939	118.86	46.115	12.511	21.884
#1	.00039	-.00012	.01070	.02097	.00287	-.00082	.00532	-.00011	.00022
#2	.00060	-.00054	.02098	.01958	.00232	-.00007	.00270	-.00010	.00016
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Na5895	Ni2316	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899	Sr4077
Line	589.592 { 57}	231.604 {446}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}2	189.989 {477}	407.771 { 83}
IS Ref	(Y_3774)	(In2306)	(In2306)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3774)	(In2306)	(Y_3774)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.01708**	**-.00018**	**.00129**	**.0045**	**.00405**	**-.00446**	**-.01067**	**-.00091**	**.00024**
Stddev	.00688	.00061	.00161	.0017	.00002	.00278	.01478	.00070	.00010
%RSD	40.287	337.74	124.86	38.42	.40883	62.289	138.58	76.625	41.030
#1	.02195	-.00061	.00243	.0057	.00404	-.00249	-.02112	-.00140	.00031
#2	.01222	.00025	.00015	.0032	.00406	-.00642	-.00021	-.00042	.00017
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Ti3349	Tl1908	V_2924	Zn2062
Line	334.904 {101}	190.856 {477}	292.402 {115}	206.200 {163}
IS Ref	(Y_3600)	(In2306)	(Y_3600)	(Y_3600)
Units	ppm	ppm	ppm	ppm
Avg	**-.00031**	**-.00054**	**-.00073**	**.00093**
Stddev	.00026	.00051	.00022	.00017
%RSD	82.739	96.020	30.347	18.004
#1	-.00049	-.00017	-.00088	.00105
#2	-.00013	-.00090	-.00057	.00082
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				
Low Limit				

Int. Std.	In2306	Y_2243	Y_3600	Y_3774
Line	230.606 {446}	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**2051.3**	**2842.6**	**25522.**	**4821.3**
Stddev	4.4	2.3	75.	35.1
%RSD	.21371	.08073	.29279	.72746
#1	2054.4	2841.0	25469.	4846.1
#2	2048.2	2844.2	25575.	4796.5

Sample Name: CCV Acquired: 4/5/2012 17:07:23 Type: QC
Method: ICAP1(v261) Mode: CONC Corr. Factor: 1.000000
User: MDM Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	B_2089	Ba4554	Be3130	Ca3179	Cd2288	Co2286	Cr2677	Cu3247	Fe2599	K_7664
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.49441**	**24.673**	**.48555**	**.48221**	**.50835**	**.49998**	**24.591**	**.49405**	**.47953**	**.48898**	**.49276**	**25.375**	**24.551**
Stddev	.00506	.020	.00039	.00261	.00335	.00069	.092	.00166	.00199	.00214	.00432	.064	.090
%RSD	1.0231	.08070	.07945	.54085	.65966	.13723	.37225	.33659	.41530	.43772	.87583	.25225	.36689
#1	.49798	24.659	.48582	.48405	.51072	.50046	24.526	.49522	.48094	.48747	.48971	25.420	24.488
#2	.49083	24.688	.48528	.48036	.50598	.49949	24.656	.49287	.47812	.49050	.49582	25.329	24.615
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value													
Range													

Elem	K_7664-2	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**24.624**	**.49165**	**24.808**	**.50760**	**.49515**	**24.369**	**.49073**	**.48589**	**25.12**	**.49964**	**.49284**	**24.072**	**.50084**
Stddev	.197	.00192	.054	.00003	.00353	.009	.00277	.00036	.14	.00704	.01039	.101	.00007
%RSD	.79920	.39139	.21682	.00567	.71297	.03802	.56350	.07442	.5490	1.4083	2.1084	.42142	.01433
#1	24.484	.49029	24.846	.50762	.49764	24.363	.49269	.48615	25.21	.50462	.48549	24.001	.50079
#2	24.763	.49301	24.770	.50758	.49265	24.376	.48878	.48564	25.02	.49466	.50019	24.144	.50089
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value													
Range													

Elem	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm
Avg	**.49052**	**.49616**	**.49286**	**.48892**	**.48682**
Stddev	.00111	.00079	.00025	.00521	.00007
%RSD	.22729	.15892	.05132	1.0658	.01455
#1	.49131	.49672	.49303	.48524	.48677
#2	.48973	.49560	.49268	.49261	.48687
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value					
Range					

Int. Std.	In2306	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**1900.3**	**2788.2**	**24638.**	**4826.9**
Stddev	6.7	7.8	45.	9.9
%RSD	.35127	.28071	.18157	.20604
#1	1895.6	2782.7	24669.	4833.9
#2	1905.0	2793.7	24606.	4819.9

Sample Name: CCB Acquired: 4/5/2012 17:09:39 Type: QC
Method: ICAP1(v261) Mode: CONC Corr. Factor: 1.000000
User: MDM Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	B_2089	Ba4554-2	Be3130	Ca3179	Cd2288	Co2286	Cr2677	Cu3247	Fe2599	K_7664
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00212**	**.02392**	**-.00007**	**.00072**	**.00004**	**.00009**	**-.00559**	**-.00003**	**-.00005**	**.00030**	**-.00032**	**.00726**	**-.01056**
Stddev	.00022	.05724	.00144	.00011	.00001	.00012	.01302	.00001	.00004	.00019	.00027	.00487	.02363
%RSD	10.294	239.33	2095.0	15.826	17.275	129.83	232.91	53.163	98.803	60.902	86.797	67.053	223.78
#1	-.00227	.06440	-.00109	.00064	.00004	.00001	.00362	-.00003	-.00008	.00017	-.00012	.01070	.00615
#2	-.00196	-.01656	.00095	.00080	.00003	.00018	-.01480	-.00002	-.00001	.00043	-.00051	.00382	-.02727
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit													
Low Limit													

Elem	K_7664-2	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00087**	**-.00014**	**.00400**	**-.00007**	**.00034**	**-.01228**	**-.00018**	**.00063**	**-.0013**	**.00086**	**.00047**	**.03490**	**.00013**
Stddev	.00019	.00026	.00490	.00002	.00006	.00704	.00030	.00074	.0029	.00030	.00088	.02728	.00015
%RSD	21.293	188.98	122.50	29.814	17.264	57.385	166.17	117.03	227.6	34.768	188.29	78.162	118.56
#1	.00100	-.00032	.00054	-.00005	.00030	-.00729	.00003	.00011	.0008	.00065	.00109	.05418	.00002
#2	.00074	.00005	.00747	-.00008	.00038	-.01726	-.00039	.00116	-.0034	.00107	-.00015	.01561	.00023
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit													
Low Limit													

Elem	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm
Avg	**-.00006**	**.00045**	**.00143**	**-.00060**	**-.00013**
Stddev	.00010	.00018	.00043	.00029	.00006
%RSD	186.20	39.571	30.270	48.200	45.763
#1	.00002	.00032	.00113	-.00040	-.00017
#2	-.00013	.00057	.00174	-.00081	-.00009
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Int. Std.	In2306	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**2035.3**	**2810.4**	**25263.**	**4774.3**
Stddev	4.4	2.4	22.	27.7
%RSD	.21793	.08694	.08681	.58102
#1	2032.2	2808.7	25278.	4793.9
#2	2038.4	2812.1	25247.	4754.7

Sample Name: 480-18062-B-2-A Acquired: 4/5/2012 17:12:03 Type: Unk
Method: ICAP1(v261) Mode: CONC Corr. Factor: 1.000000
User: MDM Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	B_2089	Ba4554-2	Be3130	Ca3179	Cd2288	Co2286
Line	328.068 {103}	308.215 {109}	189.042 {478}	208.959 {461}	455.403 { 74}2	313.042 {108}	317.933 {106}	228.802 {447}	228.616 {447}
IS Ref	(Y_3600)	(Y_3774)	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3774)	(Y_3774)	(Y_2243)	(In2306)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00009**	**.25147**	**.00217**	**1.5709**	**.02601**	**.00026**	**290.53**	**.00090**	**.00085**
Stddev	.00087	.01794	.00344	.0025	.00017	.00011	.64	.00008	.00039
%RSD	939.06	7.1331	158.77	.16169	.63565	43.422	.21965	9.1113	45.999
#1	.00052	.23879	-.00027	1.5691	.02612	.00018	290.07	.00084	.00057
#2	-.00071	.26415	.00460	1.5727	.02589	.00034	290.98	.00095	.00112
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Cr2677	Cu3247	Fe2599	K_7664	K_7664-2	Li6707	Mg2790	Mn2576	Mo2020
Line	267.716 {126}	324.754 {104}	259.940 {130}	766.490 { 44}	766.490 { 44}2	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}
IS Ref	(Y_3600)	(Y_3600)	(Y_3774)	(Y_3774)	(Y_3774)	(Y_3774)	(Y_3600)	(Y_3600)	(Y_2243)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00282**	**.00208**	**1.3048**	**12.201**	**25.808**	**.16678**	**66.391**	**.13372**	**.00683**
Stddev	.00023	.00088	.0031	.070	.387	.00105	.398	.00163	.00016
%RSD	7.9799	42.084	.24065	.57720	1.4981	.63024	.59878	1.2210	2.3282
#1	.00266	.00270	1.3026	12.152	25.534	.16753	66.672	.13487	.00672
#2	.00298	.00146	1.3071	12.251	26.081	.16604	66.110	.13256	.00694
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Na8183	Ni2316	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899	Sr4077
Line	818.326 { 41}	231.604 {446}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}2	189.989 {477}	407.771 { 83}
IS Ref	(Y_3774)	(In2306)	(In2306)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3774)	(In2306)	(Y_3774)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**2393.3**	**.00229**	**.00082**	F **204.4**	**.00024**	**.00004**	**4.2395**	**-.00042**	**6.1237**
Stddev	.3	.00101	.00216	1.2	.00149	.00594	.0651	.00030	.0100
%RSD	.01146	44.195	264.91	.6041	613.57	13795.	1.5351	71.099	.16257
#1	2393.1	.00157	.00235	205.3	-.00081	-.00416	4.1935	-.00021	6.1307
#2	2393.5	.00300	-.00071	203.5	.00130	.00424	4.2855	-.00063	6.1167
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				25.00					
Low Limit				-.0100					

Elem	Ti3349	Tl1908	V_2924	Zn2062
Line	334.904 {101}	190.856 {477}	292.402 {115}	206.200 {163}
IS Ref	(Y_3600)	(In2306)	(Y_3600)	(Y_3600)
Units	ppm	ppm	ppm	ppm
Avg	**.00863**	**.00257**	**.00018**	**-.00047**
Stddev	.00005	.00014	.00029	.00096
%RSD	.58327	5.3477	157.97	203.31
#1	.00866	.00267	.00038	.00021
#2	.00859	.00247	-.00002	-.00116
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				
Low Limit				

Int. Std.	In2306	Y_2243	Y_3600	Y_3774
Line	230.606 {446}	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**1425.9**	**2407.8**	**20287.**	**4566.2**
Stddev	1.5	2.6	180.	19.4
%RSD	.10440	.10992	.88869	.42526
#1	1424.8	2409.7	20159.	4579.9
#2	1426.9	2405.9	20414.	4552.4

Sample Name: 480-18062-B-3-A Acquired: 4/5/2012 17:14:32 Type: Unk
Method: ICAP1(v261) Mode: CONC Corr. Factor: 1.000000
User: MDM Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	B_2089	Ba4554-2	Be3130	Ca3179	Cd2288	Co2286
Line	328.068 {103}	308.215 {109}	189.042 {478}	208.959 {461}	455.403 { 74}2	313.042 {108}	317.933 {106}	228.802 {447}	228.616 {447}
IS Ref	(Y_3600)	(Y_3774)	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3774)	(Y_3774)	(Y_2243)	(In2306)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00131**	**.05090**	**.00179**	**1.7022**	**.02092**	**.00005**	**310.94**	**.00078**	**.00099**
Stddev	.00006	.00489	.00136	.0050	.00007	.00013	1.76	.00019	.00007
%RSD	4.4679	9.6154	76.180	.29319	.32708	278.28	.56482	23.749	7.2612
#1	-.00127	.04744	.00083	1.7057	.02087	-.00004	312.18	.00091	.00094
#2	-.00136	.05436	.00275	1.6986	.02097	.00014	309.69	.00065	.00104
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Cr2677	Cu3247	Fe2599	K_7664	K_7664-2	Li6707	Mg2790	Mn2576	Mo2020
Line	267.716 {126}	324.754 {104}	259.940 {130}	766.490 { 44}	766.490 { 44}2	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}
IS Ref	(Y_3600)	(Y_3600)	(Y_3774)	(Y_3774)	(Y_3774)	(Y_3774)	(Y_3600)	(Y_3600)	(Y_2243)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00184**	**.00163**	**1.6233**	**14.164**	**30.763**	**.18206**	**68.161**	**.08231**	**.00579**
Stddev	.00077	.00040	.0256	.007	.138	.00051	.040	.00012	.00037
%RSD	41.949	24.541	1.5772	.05283	.44825	.27876	.05861	.14587	6.3651
#1	.00129	.00192	1.6414	14.159	30.666	.18242	68.189	.08223	.00605
#2	.00238	.00135	1.6052	14.170	30.861	.18170	68.132	.08240	.00553
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Na8183	Ni2316	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899	Sr4077
Line	818.326 { 41}	231.604 {446}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}2	189.989 {477}	407.771 { 83}
IS Ref	(Y_3774)	(In2306)	(In2306)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3774)	(In2306)	(Y_3774)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**2859.3**	**.00080**	**-.00032**	F **222.0**	**-.00048**	**.00167**	**4.0468**	**-.00059**	**6.7321**
Stddev	5.4	.00032	.00594	.7	.00092	.00818	.0041	.00114	.0191
%RSD	.18966	40.224	1885.6	.2993	192.02	489.14	.10179	192.61	.28416
#1	2863.1	.00103	-.00452	222.5	.00017	-.00411	4.0497	.00021	6.7456
#2	2855.4	.00057	.00389	221.5	-.00113	.00746	4.0439	-.00139	6.7185
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				25.00					
Low Limit				-.0100					

Elem	Ti3349	Tl1908	V_2924	Zn2062
Line	334.904 {101}	190.856 {477}	292.402 {115}	206.200 {163}
IS Ref	(Y_3600)	(In2306)	(Y_3600)	(Y_3600)
Units	ppm	ppm	ppm	ppm
Avg	**.00114**	**-.00165**	**-.00046**	**-.00160**
Stddev	.00040	.00000	.00066	.00049
%RSD	35.259	.06295	143.67	30.545
#1	.00086	-.00165	-.00093	-.00195
#2	.00143	-.00165	.00001	-.00126
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				
Low Limit				

Int. Std.	In2306	Y_2243	Y_3600	Y_3774
Line	230.606 {446}	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**1392.2**	**2371.7**	**19982.**	**4566.6**
Stddev	.6	2.7	57.	2.5
%RSD	.04319	.11423	.28388	.05462
#1	1391.8	2369.8	19942.	4568.3
#2	1392.7	2373.6	20022.	4564.8

Sample Name: 480-18062-B-3-A SD@5 Acquired: 4/5/2012 17:17:01 Type: Unk
Method: ICAP1(v261) Mode: CONC Corr. Factor: 1.000000
User: MDM Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	B_2089	Ba4554-2	Be3130	Ca3179	Cd2288	Co2286
Line	328.068 {103}	308.215 {109}	189.042 {478}	208.959 {461}	455.403 { 74}2	313.042 {108}	317.933 {106}	228.802 {447}	228.616 {447}
IS Ref	(Y_3600)	(Y_3774)	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3774)	(Y_3774)	(Y_2243)	(In2306)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00136**	**.04462**	**-.00036**	**.34288**	**.00443**	**.00008**	**60.946**	**.00054**	**.00032**
Stddev	.00129	.02636	.00022	.00366	.00002	.00004	.331	.00002	.00014
%RSD	95.458	59.062	60.581	1.0669	.35571	49.089	.54230	4.1015	43.087
#1	-.00044	.02599	-.00052	.34546	.00442	.00005	61.179	.00056	.00042
#2	-.00227	.06326	-.00021	.34029	.00444	.00011	60.712	.00053	.00023
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Cr2677	Cu3247	Fe2599	K_7664	K_7664-2	Li6707	Mg2790	Mn2576	Mo2020
Line	267.716 {126}	324.754 {104}	259.940 {130}	766.490 { 44}	766.490 { 44}2	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}
IS Ref	(Y_3600)	(Y_3600)	(Y_3774)	(Y_3774)	(Y_3774)	(Y_3774)	(Y_3600)	(Y_3600)	(Y_2243)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00071**	**.00112**	**.32649**	**2.6824**	**4.3203**	**.03345**	**13.749**	**.01682**	**.00166**
Stddev	.00015	.00010	.01671	.0307	.0072	.00066	.016	.00013	.00010
%RSD	20.974	9.1391	5.1177	1.1429	.16555	1.9783	.11739	.77564	5.7507
#1	.00081	.00120	.31468	2.7041	4.3153	.03298	13.761	.01673	.00172
#2	.00060	.00105	.33831	2.6607	4.3254	.03391	13.738	.01692	.00159
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Na8183	Ni2316	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899	Sr4077
Line	818.326 { 41}	231.604 {446}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}2	189.989 {477}	407.771 { 83}
IS Ref	(Y_3774)	(In2306)	(In2306)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3774)	(In2306)	(Y_3774)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**560.67**	**-.00019**	**-.00120**	F **40.80**	**.00025**	**.00022**	**.75377**	**-.00050**	**1.3481**
Stddev	.68	.00016	.00192	.32	.00131	.00480	.04472	.00030	.0059
%RSD	.12188	87.652	159.81	.7779	528.01	2217.9	5.9327	59.315	.43732
#1	560.19	-.00030	-.00255	41.03	-.00068	.00361	.78539	-.00029	1.3522
#2	561.16	-.00007	.00016	40.58	.00117	-.00318	.72214	-.00071	1.3439
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				25.00					
Low Limit				-.0100					

Elem	Ti3349	Tl1908	V_2924	Zn2062
Line	334.904 {101}	190.856 {477}	292.402 {115}	206.200 {163}
IS Ref	(Y_3600)	(In2306)	(Y_3600)	(Y_3600)
Units	ppm	ppm	ppm	ppm
Avg	**.00001**	**.00185**	**-.00057**	**-.00170**
Stddev	.00101	.00361	.00096	.00046
%RSD	9332.4	195.78	168.74	27.072
#1	-.00070	.00440	.00011	-.00203
#2	.00073	-.00071	-.00125	-.00138
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				
Low Limit				

Int. Std.	In2306	Y_2243	Y_3600	Y_3774
Line	230.606 {446}	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**1689.5**	**2611.0**	**22667.**	**4737.4**
Stddev	4.2	16.1	20.	13.8
%RSD	.24894	.61658	.09021	.29208
#1	1686.5	2599.6	22682.	4747.2
#2	1692.5	2622.4	22653.	4727.7

Sample Name: 480-18062-B-3-A PDS Acquired: 4/5/2012 17:19:26 Type: Unk
Method: ICAP1(v261) Mode: CONC Corr. Factor: 1.000000
User: MDM Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	B_2089	Ba4554-2	Be3130	Ca3179	Cd2288	Co2286
Line	328.068 {103}	308.215 {109}	189.042 {478}	208.959 {461}	455.403 { 74}2	313.042 {108}	317.933 {106}	228.802 {447}	228.616 {447}
IS Ref	(Y_3600)	(Y_3774)	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3774)	(Y_3774)	(Y_2243)	(In2306)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.05301**	**10.062**	**.23210**	**1.8368**	**.21408**	**.20647**	**309.01**	**.21999**	**.20473**
Stddev	.00112	.065	.00126	.0062	.00025	.00112	1.66	.00144	.00171
%RSD	2.1100	.64791	.54477	.33945	.11748	.54363	.53857	.65272	.83310
#1	.05222	10.108	.23300	1.8412	.21390	.20727	310.18	.22101	.20594
#2	.05380	10.016	.23121	1.8324	.21426	.20568	307.83	.21898	.20353
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Cr2677	Cu3247	Fe2599	K_7664	K_7664-2	Li6707	Mg2790	Mn2576	Mo2020
Line	267.716 {126}	324.754 {104}	259.940 {130}	766.490 { 44}	766.490 { 44}2	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}
IS Ref	(Y_3600)	(Y_3600)	(Y_3774)	(Y_3774)	(Y_3774)	(Y_3774)	(Y_3600)	(Y_3600)	(Y_2243)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.20013**	**.21623**	**11.709**	**24.455**	**50.303**	**.38005**	**75.533**	**.27803**	**.20061**
Stddev	.00076	.00036	.083	.020	.561	.00472	.052	.00079	.00095
%RSD	.38166	.16742	.71163	.08333	1.1147	1.2419	.06837	.28418	.47191
#1	.20067	.21598	11.768	24.469	50.700	.38339	75.496	.27747	.20128
#2	.19959	.21649	11.650	24.441	49.907	.37672	75.569	.27859	.19994
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Na8183	Ni2316	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899	Sr4077
Line	818.326 { 41}	231.604 {446}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}2	189.989 {477}	407.771 { 83}
IS Ref	(Y_3774)	(In2306)	(In2306)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3774)	(In2306)	(Y_3774)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**2805.6**	**.21236**	**.21046**	F **212.8**	**.21738**	**.22406**	**14.483**	**.20230**	**6.7667**
Stddev	16.3	.00172	.00277	.8	.00416	.00091	.123	.00193	.0151
%RSD	.58076	.80885	1.3174	.3588	1.9116	.40621	.84994	.95230	.22279
#1	2817.1	.21357	.20850	213.3	.22032	.22342	14.570	.20366	6.7773
#2	2794.1	.21114	.21242	212.2	.21444	.22470	14.396	.20094	6.7560
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				25.00					
Low Limit				-.0100					

Elem	Ti3349	Tl1908	V_2924	Zn2062
Line	334.904 {101}	190.856 {477}	292.402 {115}	206.200 {163}
IS Ref	(Y_3600)	(In2306)	(Y_3600)	(Y_3600)
Units	ppm	ppm	ppm	ppm
Avg	**.20274**	**.19466**	**.19993**	**.21188**
Stddev	.00082	.00063	.00058	.00051
%RSD	.40436	.32472	.28996	.24107
#1	.20216	.19510	.19952	.21152
#2	.20331	.19421	.20034	.21224
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				
Low Limit				

Int. Std.	In2306	Y_2243	Y_3600	Y_3774
Line	230.606 {446}	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**1396.3**	**2398.9**	**20268.**	**4556.8**
Stddev	.4	.7	30.	23.1
%RSD	.02550	.02736	.14707	.50663
#1	1396.6	2398.5	20289.	4540.5
#2	1396.1	2399.4	20247.	4573.1

Sample Name: 480-18062-B-3-B MS Acquired: 4/5/2012 17:21:56 Type: Unk
Method: ICAP1(v261) Mode: CONC Corr. Factor: 1.000000
User: MDM Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	B_2089	Ba4554-2	Be3130	Ca3179	Cd2288	Co2286
Line	328.068 {103}	308.215 {109}	189.042 {478}	208.959 {461}	455.403 { 74}2	313.042 {108}	317.933 {106}	228.802 {447}	228.616 {447}
IS Ref	(Y_3600)	(Y_3774)	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3774)	(Y_3774)	(Y_2243)	(In2306)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.05859	10.536	.22599	1.8849	.21019	.21198	316.00	.22187	.21626
Stddev	.00107	.151	.00326	.0169	.00062	.00017	.22	.00188	.00185
%RSD	1.8269	1.4320	1.4446	.89852	.29423	.08085	.07000	.84781	.85363
#1	.05784	10.643	.22829	1.8969	.21062	.21210	316.16	.22320	.21757
#2	.05935	10.429	.22368	1.8730	.20975	.21186	315.84	.22054	.21496
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Cr2677	Cu3247	Fe2599	K_7664	K_7664-2	Li6707	Mg2790	Mn2576	Mo2020
Line	267.716 {126}	324.754 {104}	259.940 {130}	766.490 { 44}	766.490 { 44}2	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}
IS Ref	(Y_3600)	(Y_3600)	(Y_3774)	(Y_3774)	(Y_3774)	(Y_3774)	(Y_3600)	(Y_3600)	(Y_2243)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.20052	.22034	11.761	24.943	51.195	.38826	77.146	.28619	.20344
Stddev	.00012	.00229	.018	.004	1.431	.00055	.230	.00016	.00267
%RSD	.05882	1.0382	.15676	.01583	2.7953	.14171	.29764	.05689	1.3132
#1	.20044	.22196	11.748	24.941	52.207	.38787	77.309	.28608	.20533
#2	.20060	.21873	11.774	24.946	50.183	.38865	76.984	.28631	.20155
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Na8183	Ni2316	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899	Sr4077
Line	818.326 { 41}	231.604 {446}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}2	189.989 {477}	407.771 { 83}
IS Ref	(Y_3774)	(In2306)	(In2306)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3774)	(In2306)	(Y_3774)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	2866.2	.21258	.21501	F 218.6	.22249	.21450	14.259	.21934	6.8886
Stddev	1.5	.00284	.00241	1.0	.00193	.00237	.029	.00308	.0037
%RSD	.05154	1.3363	1.1195	.4679	.86526	1.1033	.20536	1.4023	.05382
#1	2867.2	.21459	.21331	219.3	.22385	.21617	14.238	.22152	6.8860
#2	2865.1	.21057	.21671	217.8	.22113	.21283	14.280	.21717	6.8912
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				25.00					
Low Limit				-.0100					

Elem	Ti3349	Tl1908	V_2924	Zn2062
Line	334.904 {101}	190.856 {477}	292.402 {115}	206.200 {163}
IS Ref	(Y_3600)	(In2306)	(Y_3600)	(Y_3600)
Units	ppm	ppm	ppm	ppm
Avg	.20565	.19414	.20042	.21420
Stddev	.00235	.00072	.00089	.00036
%RSD	1.1408	.37222	.44339	.16618
#1	.20730	.19363	.20105	.21394
#2	.20399	.19465	.19979	.21445
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				
Low Limit				

Int. Std.	In2306	Y_2243	Y_3600	Y_3774
Line	230.606 {446}	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	1388.0	2387.5	20176.	4564.2
Stddev	1.7	6.7	52.	.8
%RSD	.12041	.28180	.25691	.01790
#1	1386.9	2382.7	20139.	4564.8
#2	1389.2	2392.3	20212.	4563.6

Sample Name: 480-18062-B-3-C MSD Acquired: 4/5/2012 17:24:27 Type: Unk
Method: ICAP1(v261) Mode: CONC Corr. Factor: 1.000000
User: MDM Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	B_2089	Ba4554-2	Be3130	Ca3179	Cd2288	Co2286
Line	328.068 {103}	308.215 {109}	189.042 {478}	208.959 {461}	455.403 { 74}2	313.042 {108}	317.933 {106}	228.802 {447}	228.616 {447}
IS Ref	(Y_3600)	(Y_3774)	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3774)	(Y_3774)	(Y_2243)	(In2306)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.05918**	**10.914**	**.23180**	**1.9360**	**.21530**	**.21678**	**327.87**	**.22649**	**.22116**
Stddev	.00127	.081	.00209	.0121	.00033	.00182	1.93	.00168	.00158
%RSD	2.1425	.73815	.89952	.62418	.15253	.83908	.58894	.74304	.71506
#1	.05828	10.970	.23328	1.9445	.21553	.21807	329.24	.22768	.22228
#2	.06008	10.857	.23033	1.9274	.21507	.21550	326.51	.22530	.22005
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Cr2677	Cu3247	Fe2599	K_7664	K_7664-2	Li6707	Mg2790	Mn2576	Mo2020
Line	267.716 {126}	324.754 {104}	259.940 {130}	766.490 { 44}	766.490 { 44}2	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}
IS Ref	(Y_3600)	(Y_3600)	(Y_3774)	(Y_3774)	(Y_3774)	(Y_3774)	(Y_3600)	(Y_3600)	(Y_2243)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.20362**	**.22450**	**11.943**	**25.791**	**52.961**	**.40396**	**78.916**	**.29028**	**.20760**
Stddev	.00167	.00133	.037	.045	.153	.00331	.083	.00080	.00148
%RSD	.82232	.59435	.31301	.17532	.28974	.81986	.10461	.27685	.71217
#1	.20481	.22544	11.969	25.823	53.070	.40631	78.974	.29085	.20864
#2	.20244	.22355	11.916	25.759	52.853	.40162	78.857	.28972	.20655
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Na8183	Ni2316	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899	Sr4077
Line	818.326 { 41}	231.604 {446}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}2	189.989 {477}	407.771 { 83}
IS Ref	(Y_3774)	(In2306)	(In2306)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3774)	(In2306)	(Y_3774)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**2943.9**	**.21802**	**.22069**	F **224.9**	**.22337**	**.22568**	**14.872**	**.23304**	**7.1190**
Stddev	5.0	.00050	.00038	1.0	.00010	.00591	.164	.00205	.0255
%RSD	.17031	.22909	.17233	.4389	.04548	2.6202	1.1007	.88118	.35747
#1	2947.4	.21767	.22096	225.6	.22330	.22149	14.987	.23450	7.1369
#2	2940.4	.21838	.22042	224.2	.22344	.22986	14.756	.23159	7.1010
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				25.00					
Low Limit				-.0100					

Elem	Ti3349	Tl1908	V_2924	Zn2062
Line	334.904 {101}	190.856 {477}	292.402 {115}	206.200 {163}
IS Ref	(Y_3600)	(In2306)	(Y_3600)	(Y_3600)
Units	ppm	ppm	ppm	ppm
Avg	**.20831**	**.19654**	**.20410**	**.21715**
Stddev	.00043	.00492	.00348	.00288
%RSD	.20732	2.5037	1.7045	1.3250
#1	.20800	.20002	.20656	.21918
#2	.20861	.19307	.20164	.21512
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				
Low Limit				

Int. Std.	In2306	Y_2243	Y_3600	Y_3774
Line	230.606 {446}	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**1380.6**	**2380.3**	**20190.**	**4557.7**
Stddev	.6	.9	133.	5.7
%RSD	.04697	.03622	.65971	.12406
#1	1381.1	2379.7	20096.	4553.7
#2	1380.2	2380.9	20284.	4561.7

Sample Name: 480-18062-B-4-A Acquired: 4/5/2012 17:26:56 Type: Unk
Method: ICAP1(v261) Mode: CONC Corr. Factor: 1.000000
User: MDM Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	B_2089	Ba4554-2	Be3130	Ca3179	Cd2288	Co2286
Line	328.068 {103}	308.215 {109}	189.042 {478}	208.959 {461}	455.403 { 74}2	313.042 {108}	317.933 {106}	228.802 {447}	228.616 {447}
IS Ref	(Y_3600)	(Y_3774)	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3774)	(Y_3774)	(Y_2243)	(In2306)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00127**	**.03298**	**.00162**	**.52386**	**.02611**	**.00002**	**102.33**	**.00057**	**.00043**
Stddev	.00127	.01647	.00271	.00459	.00003	.00028	.16	.00012	.00016
%RSD	99.581	49.955	167.18	.87528	.11111	1566.3	.15153	21.766	37.850
#1	-.00038	.02133	-.00030	.52710	.02613	-.00018	102.44	.00048	.00055
#2	-.00217	.04463	.00354	.52062	.02609	.00022	102.22	.00066	.00032
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Cr2677	Cu3247	Fe2599	K_7664	K_7664-2	Li6707	Mg2790	Mn2576	Mo2020
Line	267.716 {126}	324.754 {104}	259.940 {130}	766.490 { 44}	766.490 { 44}2	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}
IS Ref	(Y_3600)	(Y_3600)	(Y_3774)	(Y_3774)	(Y_3774)	(Y_3774)	(Y_3600)	(Y_3600)	(Y_2243)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00086**	**.00138**	**.67164**	**5.5651**	**9.0763**	**.04466**	**38.766**	**.04300**	**.02901**
Stddev	.00012	.00029	.00045	.0252	.1903	.00086	.070	.00010	.00043
%RSD	13.796	20.686	.06635	.45348	2.0962	1.9253	.18010	.23032	1.4837
#1	.00078	.00158	.67132	5.5829	8.9418	.04527	38.815	.04307	.02931
#2	.00095	.00118	.67195	5.5472	9.2109	.04405	38.717	.04293	.02870
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Na8183	Ni2316	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899	Sr4077
Line	818.326 { 41}	231.604 {446}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}2	189.989 {477}	407.771 { 83}
IS Ref	(Y_3774)	(In2306)	(In2306)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3774)	(In2306)	(Y_3774)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**641.71**	**.00088**	**.00306**	F **46.74**	**.00246**	**-.00261**	**3.8123**	**.00002**	**2.4496**
Stddev	1.58	.00019	.00036	.43	.00199	.00066	.0393	.00076	.0023
%RSD	.24628	21.929	11.610	.9250	80.913	25.355	1.0315	4538.9	.09474
#1	640.59	.00102	.00331	47.04	.00386	-.00214	3.7844	-.00052	2.4480
#2	642.83	.00074	.00281	46.43	.00105	-.00308	3.8401	.00056	2.4513
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				25.00					
Low Limit				-.0100					

Elem	Ti3349	Tl1908	V_2924	Zn2062
Line	334.904 {101}	190.856 {477}	292.402 {115}	206.200 {163}
IS Ref	(Y_3600)	(In2306)	(Y_3600)	(Y_3600)
Units	ppm	ppm	ppm	ppm
Avg	**.00057**	**-.00015**	**.00041**	**-.00153**
Stddev	.00017	.00087	.00033	.00133
%RSD	28.971	592.39	80.129	87.468
#1	.00069	-.00077	.00064	-.00058
#2	.00045	.00047	.00018	-.00247
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				
Low Limit				

Int. Std.	In2306	Y_2243	Y_3600	Y_3774
Line	230.606 {446}	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**1648.0**	**2578.3**	**22323.**	**4761.2**
Stddev	2.6	4.3	32.	24.4
%RSD	.15531	.16545	.14208	.51149
#1	1646.2	2575.3	22301.	4778.5
#2	1649.8	2581.3	22346.	4744.0

Sample Name: 480-18062-B-5-A Acquired: 4/5/2012 17:29:28 Type: Unk
Method: ICAP1(v261) Mode: CONC Corr. Factor: 1.000000
User: MDM Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	B_2089	Ba4554-2	Be3130	Ca3179	Cd2288	Co2286
Line	328.068 {103}	308.215 {109}	189.042 {478}	208.959 {461}	455.403 { 74}2	313.042 {108}	317.933 {106}	228.802 {447}	228.616 {447}
IS Ref	(Y_3600)	(Y_3774)	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3774)	(Y_3774)	(Y_2243)	(In2306)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00096**	**.04989**	**.01070**	**1.3531**	**.02596**	**.00019**	**273.22**	**.00069**	**.00209**
Stddev	.00094	.04003	.00068	.0081	.00008	.00001	.22	.00004	.00000
%RSD	98.212	80.234	6.3284	.60191	.31793	4.9996	.08050	5.5579	.22960
#1	-.00029	.07819	.01022	1.3589	.02590	.00018	273.37	.00072	.00210
#2	-.00162	.02158	.01118	1.3474	.02602	.00019	273.06	.00067	.00209
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Cr2677	Cu3247	Fe2599	K_7664	K_7664-2	Li6707	Mg2790	Mn2576	Mo2020
Line	267.716 {126}	324.754 {104}	259.940 {130}	766.490 { 44}	766.490 { 44}2	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}
IS Ref	(Y_3600)	(Y_3600)	(Y_3774)	(Y_3774)	(Y_3774)	(Y_3774)	(Y_3600)	(Y_3600)	(Y_2243)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00132**	**.00204**	**1.6060**	**11.630**	**24.397**	**.13697**	**67.891**	**.12137**	**.01095**
Stddev	.00049	.00062	.0035	.048	.375	.00126	.168	.00050	.00066
%RSD	36.935	30.336	.21793	.41659	1.5366	.91830	.24793	.41259	6.0598
#1	.00166	.00160	1.6085	11.664	24.132	.13786	67.772	.12102	.01142
#2	.00097	.00248	1.6036	11.596	24.662	.13608	68.010	.12173	.01048
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Na8183	Ni2316	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899	Sr4077
Line	818.326 { 41}	231.604 {446}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}2	189.989 {477}	407.771 { 83}
IS Ref	(Y_3774)	(In2306)	(In2306)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3774)	(In2306)	(Y_3774)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**2316.5**	**.00068**	**.00491**	F **178.7**	**.00125**	**-.00157**	**5.0629**	**-.00029**	**6.4450**
Stddev	8.8	.00073	.00391	1.0	.00196	.00178	.0101	.00028	.0314
%RSD	.37816	107.31	79.701	.5345	156.97	113.70	.19939	97.114	.48753
#1	2322.7	.00120	.00768	179.4	-.00014	-.00031	5.0700	-.00009	6.4672
#2	2310.3	.00016	.00214	178.0	.00264	-.00283	5.0557	-.00048	6.4228
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				25.00					
Low Limit				-.0100					

Elem	Ti3349	Tl1908	V_2924	Zn2062
Line	334.904 {101}	190.856 {477}	292.402 {115}	206.200 {163}
IS Ref	(Y_3600)	(In2306)	(Y_3600)	(Y_3600)
Units	ppm	ppm	ppm	ppm
Avg	**.00128**	**-.00195**	**-.00047**	**-.00245**
Stddev	.00003	.00072	.00085	.00051
%RSD	2.4771	36.764	180.09	20.761
#1	.00126	-.00144	.00013	-.00209
#2	.00130	-.00245	-.00107	-.00280
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				
Low Limit				

Int. Std.	In2306	Y_2243	Y_3600	Y_3774
Line	230.606 {446}	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**1432.7**	**2407.0**	**20405.**	**4575.1**
Stddev	2.8	1.4	21.	1.6
%RSD	.19400	.05622	.10338	.03425
#1	1430.7	2407.9	20390.	4574.0
#2	1434.6	2406.0	20420.	4576.2

Sample Name: 480-18062-B-6-A Acquired: 4/5/2012 17:31:58 Type: Unk
Method: ICAP1(v261) Mode: CONC Corr. Factor: 1.000000
User: MDM Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	B_2089	Ba4554-2	Be3130	Ca3179	Cd2288	Co2286
Line	328.068 {103}	308.215 {109}	189.042 {478}	208.959 {461}	455.403 { 74}2	313.042 {108}	317.933 {106}	228.802 {447}	228.616 {447}
IS Ref	(Y_3600)	(Y_3774)	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3774)	(Y_3774)	(Y_2243)	(In2306)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00092**	**.08107**	**.01267**	**.74518**	**.03777**	**.00010**	**121.77**	**.00059**	**.00044**
Stddev	.00107	.00611	.00106	.00502	.00004	.00017	.89	.00024	.00032
%RSD	116.15	7.5348	8.3363	.67353	.10478	174.03	.73095	41.117	72.813
#1	-.00016	.08539	.01192	.74873	.03779	.00022	122.40	.00076	.00066
#2	-.00168	.07675	.01341	.74164	.03774	-.00002	121.14	.00042	.00021
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Cr2677	Cu3247	Fe2599	K_7664	K_7664-2	Li6707	Mg2790	Mn2576	Mo2020
Line	267.716 {126}	324.754 {104}	259.940 {130}	766.490 { 44}	766.490 { 44}2	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}
IS Ref	(Y_3600)	(Y_3600)	(Y_3774)	(Y_3774)	(Y_3774)	(Y_3774)	(Y_3600)	(Y_3600)	(Y_2243)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00167**	**.00100**	**.42648**	**5.6846**	**10.273**	**.05293**	**40.764**	**.11628**	**.02327**
Stddev	.00044	.00037	.01456	.0528	.135	.00128	.033	.00016	.00042
%RSD	26.041	36.736	3.4148	.92804	1.3178	2.4201	.08018	.13356	1.8015
#1	.00198	.00074	.43678	5.7219	10.177	.05384	40.787	.11617	.02357
#2	.00136	.00126	.41618	5.6473	10.369	.05203	40.741	.11639	.02298
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Na8183	Ni2316	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899	Sr4077
Line	818.326 { 41}	231.604 {446}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}2	189.989 {477}	407.771 { 83}
IS Ref	(Y_3774)	(In2306)	(In2306)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3774)	(In2306)	(Y_3774)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1015.2**	**.00071**	**.00005**	F **66.00**	**.00095**	**.00045**	**4.6688**	**.00001**	**3.3907**
Stddev	3.2	.00052	.00008	.27	.00163	.00029	.1210	.00022	.0101
%RSD	.31965	72.341	166.90	.4129	171.49	63.573	2.5922	2367.7	.29826
#1	1017.5	.00108	.00010	66.19	-.00020	.00065	4.7543	-.00015	3.3979
#2	1012.9	.00035	-.00001	65.80	.00210	.00025	4.5832	.00017	3.3836
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				25.00					
Low Limit				-.0100					

Elem	Ti3349	Tl1908	V_2924	Zn2062
Line	334.904 {101}	190.856 {477}	292.402 {115}	206.200 {163}
IS Ref	(Y_3600)	(In2306)	(Y_3600)	(Y_3600)
Units	ppm	ppm	ppm	ppm
Avg	**.00065**	**.00188**	**-.00053**	**-.00085**
Stddev	.00002	.00255	.00040	.00034
%RSD	2.4109	135.40	76.431	39.626
#1	.00066	.00369	-.00081	-.00109
#2	.00064	.00008	-.00024	-.00061
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				
Low Limit				

Int. Std.	In2306	Y_2243	Y_3600	Y_3774
Line	230.606 {446}	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**1586.0**	**2543.5**	**21825.**	**4685.8**
Stddev	.3	3.4	38.	8.2
%RSD	.02092	.13349	.17282	.17469
#1	1585.7	2541.1	21852.	4680.0
#2	1586.2	2545.9	21799.	4691.6

Sample Name: 480-18062-B-7-A Acquired: 4/5/2012 17:34:26 Type: Unk
Method: ICAP1(v261) Mode: CONC Corr. Factor: 1.000000
User: MDM Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	B_2089	Ba4554-2	Be3130	Ca3179	Cd2288	Co2286
Line	328.068 {103}	308.215 {109}	189.042 {478}	208.959 {461}	455.403 { 74}2	313.042 {108}	317.933 {106}	228.802 {447}	228.616 {447}
IS Ref	(Y_3600)	(Y_3774)	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3774)	(Y_3774)	(Y_2243)	(In2306)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00164**	**.05256**	**.00190**	**.39908**	**.00344**	**.00025**	**21.768**	**.00009**	**.00024**
Stddev	.00083	.03539	.00057	.00071	.00003	.00013	.176	.00003	.00015
%RSD	50.705	67.320	30.065	.17833	.91199	51.320	.80735	31.211	61.667
#1	-.00105	.02754	.00149	.39958	.00341	.00016	21.644	.00012	.00014
#2	-.00223	.07758	.00230	.39858	.00346	.00034	21.892	.00007	.00035
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Cr2677	Cu3247	Fe2599	K_7664	K_7664-2	Li6707	Mg2790	Mn2576	Mo2020
Line	267.716 {126}	324.754 {104}	259.940 {130}	766.490 { 44}	766.490 { 44}2	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}
IS Ref	(Y_3600)	(Y_3600)	(Y_3774)	(Y_3774)	(Y_3774)	(Y_3774)	(Y_3600)	(Y_3600)	(Y_2243)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00040**	**.00063**	**.10867**	**2.5504**	**2.8569**	**.01600**	**5.4333**	**.01402**	**.05833**
Stddev	.00049	.00026	.00123	.0241	.0279	.00148	.0149	.00006	.00060
%RSD	122.84	41.785	1.1329	.94565	.97850	9.2373	.27392	.45464	1.0308
#1	.00005	.00081	.10954	2.5334	2.8371	.01705	5.4228	.01407	.05876
#2	.00075	.00044	.10780	2.5675	2.8767	.01496	5.4439	.01397	.05791
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Na8183	Ni2316	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899	Sr4077
Line	818.326 { 41}	231.604 {446}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}2	189.989 {477}	407.771 { 83}
IS Ref	(Y_3774)	(In2306)	(In2306)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3774)	(In2306)	(Y_3774)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**96.113**	**-.00013**	**.00130**	**1.433**	**.00178**	**-.00328**	**3.6754**	**-.00101**	**.32758**
Stddev	.027	.00042	.00050	.018	.00105	.00469	.0383	.00009	.00073
%RSD	.02768	316.85	38.580	1.284	58.930	143.06	1.0411	8.5891	.22382
#1	96.094	.00016	.00094	1.446	.00104	-.00660	3.7025	-.00095	.32706
#2	96.132	-.00043	.00165	1.420	.00253	.00004	3.6484	-.00107	.32810
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Ti3349	Tl1908	V_2924	Zn2062
Line	334.904 {101}	190.856 {477}	292.402 {115}	206.200 {163}
IS Ref	(Y_3600)	(In2306)	(Y_3600)	(Y_3600)
Units	ppm	ppm	ppm	ppm
Avg	**.00037**	**.00023**	**-.00001**	**-.00118**
Stddev	.00031	.00342	.00003	.00026
%RSD	84.871	1495.4	301.36	22.195
#1	.00059	.00265	.00001	-.00100
#2	.00015	-.00219	-.00003	-.00137
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				
Low Limit				

Int. Std.	In2306	Y_2243	Y_3600	Y_3774
Line	230.606 {446}	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**1895.5**	**2748.8**	**24319.**	**4799.1**
Stddev	4.3	8.5	13.	24.5
%RSD	.22733	.30939	.05241	.50952
#1	1892.5	2742.8	24328.	4816.4
#2	1898.6	2754.8	24310.	4781.8

Sample Name: CCV Acquired: 4/5/2012 17:36:47 Type: QC
Method: ICAP1(v261) Mode: CONC Corr. Factor: 1.000000
User: MDM Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	B_2089	Ba4554	Be3130	Ca3179	Cd2288	Co2286	Cr2677	Cu3247	Fe2599	K_7664
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.49345**	**24.779**	**.48906**	**.48729**	**.50795**	**.50214**	**24.755**	**.49467**	**.48183**	**.49228**	**.49498**	**25.326**	**24.790**
Stddev	.00079	.161	.00447	.00112	.00130	.00250	.253	.00201	.00227	.00294	.00156	.063	.078
%RSD	.15911	.65110	.91365	.23017	.25607	.49862	1.0208	.40703	.47173	.59623	.31499	.24932	.31356
#1	.49401	24.665	.49222	.48809	.50703	.50037	24.576	.49610	.48344	.49436	.49388	25.281	24.735
#2	.49290	24.893	.48590	.48650	.50887	.50391	24.933	.49325	.48023	.49021	.49609	25.370	24.845
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value													
Range													

Elem	K_7664-2	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**24.918**	**.49601**	**24.840**	**.50701**	**.49511**	**24.729**	**.49064**	**.48940**	**25.17**	**.50143**	**.49602**	**24.228**	**.50268**
Stddev	.117	.00035	.002	.00062	.00189	.094	.00259	.00012	.08	.00523	.00788	.028	.00370
%RSD	.46945	.07137	.00698	.12189	.38256	.38072	.52691	.02533	.3064	1.0422	1.5878	.11625	.73669
#1	25.000	.49626	24.842	.50745	.49645	24.662	.49247	.48949	25.23	.50513	.49045	24.248	.50530
#2	24.835	.49576	24.839	.50657	.49377	24.795	.48881	.48931	25.12	.49774	.50159	24.208	.50006
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value													
Range													

Elem	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm
Avg	**.49208**	**.49501**	**.49172**	**.48931**	**.48549**
Stddev	.00205	.00005	.00373	.00062	.00041
%RSD	.41683	.00981	.75892	.12584	.08348
#1	.49063	.49504	.49436	.48975	.48520
#2	.49353	.49497	.48908	.48888	.48578
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value					
Range					

Int. Std.	In2306	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**1899.0**	**2790.0**	**24533.**	**4809.3**
Stddev	4.2	3.7	66.	42.9
%RSD	.21890	.13343	.26797	.89295
#1	1896.1	2787.4	24486.	4839.7
#2	1902.0	2792.7	24579.	4779.0

Sample Name: CCB Acquired: 4/5/2012 17:39:05 Type: QC
Method: ICAP1(v261) Mode: CONC Corr. Factor: 1.000000
User: MDM Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	B_2089	Ba4554-2	Be3130	Ca3179	Cd2288	Co2286	Cr2677	Cu3247	Fe2599	K_7664
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00154**	**.01380**	**.00001**	**.00320**	**.00003**	**.00011**	**-.00044**	**.00021**	**-.00010**	**.00090**	**-.00027**	**-.00333**	**-.00144**
Stddev	.00055	.00067	.00019	.00018	.00002	.00019	.00343	.00004	.00008	.00027	.00029	.01330	.00559
%RSD	35.888	4.8225	1875.2	5.7414	61.595	170.76	774.38	16.775	85.120	30.396	106.33	399.53	388.88
#1	-.00115	.01333	.00014	.00307	.00002	-.00002	-.00286	.00019	-.00004	.00071	-.00048	-.01273	-.00539
#2	-.00194	.01427	-.00012	.00333	.00004	.00024	.00198	.00024	-.00016	.00110	-.00007	.00607	.00251
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit													
Low Limit													

Elem	K_7664-2	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00245**	**.00123**	**.00075**	**-.00013**	**.00029**	**.13261**	**.00048**	**.00186**	**.0010**	**.00171**	**-.00043**	**.00516**	**-.00005**
Stddev	.00026	.00172	.00967	.00007	.00001	.00179	.00030	.00141	.0025	.00353	.00416	.01716	.00001
%RSD	10.624	139.98	1296.7	57.787	3.0808	1.3471	62.081	75.584	257.0	206.81	961.03	332.34	21.793
#1	.00263	.00245	.00758	-.00008	.00029	.13387	.00027	.00087	.0028	.00421	-.00337	.01729	-.00006
#2	.00226	.00001	-.00609	-.00018	.00028	.13134	.00069	.00286	-.0008	-.00079	.00251	-.00697	-.00004
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit													
Low Limit													

Elem	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm
Avg	**-.00002**	**-.00015**	**.00200**	**-.00024**	**-.00052**
Stddev	.00002	.00003	.00194	.00034	.00083
%RSD	105.87	20.974	97.247	139.59	159.56
#1	-.00001	-.00013	.00337	-.00048	.00007
#2	-.00004	-.00017	.00062	.00000	-.00111
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Int. Std.	In2306	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**2031.7**	**2803.4**	**25195.**	**4762.1**
Stddev	.8	2.4	7.	24.5
%RSD	.03986	.08675	.02689	.51444
#1	2032.3	2805.1	25190.	4744.8
#2	2031.1	2801.7	25200.	4779.4

Sample Name: 480-18062-B-8-A Acquired: 4/5/2012 17:41:29 Type: Unk
Method: ICAP1(v261) Mode: CONC Corr. Factor: 1.000000
User: MDM Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	B_2089	Ba4554-2	Be3130	Ca3179	Cd2288	Co2286
Line	328.068 {103}	308.215 {109}	189.042 {478}	208.959 {461}	455.403 { 74}2	313.042 {108}	317.933 {106}	228.802 {447}	228.616 {447}
IS Ref	(Y_3600)	(Y_3774)	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3774)	(Y_3774)	(Y_2243)	(In2306)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00070**	**.07510**	**.00850**	**.39790**	**.25129**	**.00006**	**50.400**	**.00017**	**.00019**
Stddev	.00104	.00383	.00269	.00022	.00029	.00003	.135	.00005	.00009
%RSD	147.87	5.0942	31.597	.05532	.11405	56.368	.26695	26.794	45.327
#1	.00003	.07781	.00660	.39775	.25109	.00004	50.305	.00021	.00013
#2	-.00143	.07240	.01040	.39806	.25149	.00009	50.496	.00014	.00025
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Cr2677	Cu3247	Fe2599	K_7664	K_7664-2	Li6707	Mg2790	Mn2576	Mo2020
Line	267.716 {126}	324.754 {104}	259.940 {130}	766.490 { 44}	766.490 { 44}2	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}
IS Ref	(Y_3600)	(Y_3600)	(Y_3774)	(Y_3774)	(Y_3774)	(Y_3774)	(Y_3600)	(Y_3600)	(Y_2243)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00037**	**.00072**	**.00930**	**2.2894**	**3.0210**	**.01249**	**18.056**	**.06759**	**.04917**
Stddev	.00076	.00006	.00725	.0217	.0085	.00087	.008	.00016	.00006
%RSD	201.82	8.5730	77.911	.94746	.28124	6.9243	.04587	.24004	.12077
#1	-.00016	.00068	.01443	2.3047	3.0150	.01311	18.051	.06770	.04921
#2	.00091	.00077	.00418	2.2741	3.0271	.01188	18.062	.06747	.04913
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Na8183	Ni2316	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899	Sr4077
Line	818.326 { 41}	231.604 {446}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}2	189.989 {477}	407.771 { 83}
IS Ref	(Y_3774)	(In2306)	(In2306)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3774)	(In2306)	(Y_3774)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**206.40**	**.00116**	**.00247**	**7.004**	**.00300**	**.00398**	**5.1536**	**-.00098**	**1.6314**
Stddev	.65	.00007	.00075	.015	.00070	.00061	.0603	.00039	.0079
%RSD	.31269	6.4502	30.328	.2123	23.215	15.333	1.1706	39.316	.48419
#1	205.95	.00111	.00194	7.015	.00251	.00355	5.1110	-.00125	1.6258
#2	206.86	.00121	.00300	6.994	.00349	.00441	5.1963	-.00071	1.6370
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Ti3349	Tl1908	V_2924	Zn2062
Line	334.904 {101}	190.856 {477}	292.402 {115}	206.200 {163}
IS Ref	(Y_3600)	(In2306)	(Y_3600)	(Y_3600)
Units	ppm	ppm	ppm	ppm
Avg	**.00058**	**.00234**	**.00010**	**-.00094**
Stddev	.00017	.00007	.00015	.00068
%RSD	29.265	3.0063	156.70	72.346
#1	.00070	.00239	-.00001	-.00046
#2	.00046	.00230	.00020	-.00142
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				
Low Limit				

Int. Std.	In2306	Y_2243	Y_3600	Y_3774
Line	230.606 {446}	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**1796.4**	**2697.0**	**23691.**	**4806.2**
Stddev	1.1	2.5	21.	9.3
%RSD	.06184	.09200	.09027	.19358
#1	1797.2	2698.8	23676.	4799.6
#2	1795.6	2695.3	23706.	4812.8

Sample Name: 480-18062-B-9-A Acquired: 4/5/2012 17:43:52 Type: Unk
Method: ICAP1(v261) Mode: CONC Corr. Factor: 1.000000
User: MDM Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	B_2089	Ba4554-2	Be3130	Ca3179	Cd2288	Co2286
Line	328.068 {103}	308.215 {109}	189.042 {478}	208.959 {461}	455.403 { 74}2	313.042 {108}	317.933 {106}	228.802 {447}	228.616 {447}
IS Ref	(Y_3600)	(Y_3774)	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3774)	(Y_3774)	(Y_2243)	(In2306)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00109**	**.08113**	**.01005**	**.54297**	**.08217**	**.00003**	**68.726**	**.00045**	**.00044**
Stddev	.00038	.07377	.00222	.00543	.00039	.00022	.413	.00014	.00039
%RSD	34.766	90.926	22.145	.99976	.47956	665.73	.60145	31.772	89.157
#1	-.00136	.13329	.00847	.54681	.08189	.00019	69.019	.00035	.00016
#2	-.00082	.02897	.01162	.53913	.08245	-.00012	68.434	.00055	.00072
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Cr2677	Cu3247	Fe2599	K_7664	K_7664-2	Li6707	Mg2790	Mn2576	Mo2020
Line	267.716 {126}	324.754 {104}	259.940 {130}	766.490 { 44}	766.490 { 44}2	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}
IS Ref	(Y_3600)	(Y_3600)	(Y_3774)	(Y_3774)	(Y_3774)	(Y_3774)	(Y_3600)	(Y_3600)	(Y_2243)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00070**	**.00124**	**.43469**	**3.8264**	**6.1751**	**.02704**	**25.820**	**.03477**	**.03615**
Stddev	.00048	.00006	.00525	.0042	.0208	.00014	.039	.00002	.00027
%RSD	67.862	4.4796	1.2084	.10974	.33640	.51718	.15179	.06645	.75108
#1	.00037	.00120	.43098	3.8294	6.1604	.02694	25.792	.03475	.03635
#2	.00104	.00128	.43840	3.8234	6.1898	.02714	25.847	.03479	.03596
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Na8183	Ni2316	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899	Sr4077
Line	818.326 { 41}	231.604 {446}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}2	189.989 {477}	407.771 { 83}
IS Ref	(Y_3774)	(In2306)	(In2306)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3774)	(In2306)	(Y_3774)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**520.49**	**-.00046**	**.00005**	**22.41**	**.00149**	**-.00192**	**5.1208**	**-.00057**	**2.4958**
Stddev	.97	.00027	.00256	.10	.00045	.00166	.0031	.00037	.0133
%RSD	.18708	58.181	5643.8	.4658	30.210	86.553	.05953	64.197	.53104
#1	521.18	-.00065	.00186	22.48	.00181	-.00074	5.1230	-.00031	2.5052
#2	519.80	-.00027	-.00177	22.33	.00117	-.00309	5.1186	-.00083	2.4864
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Ti3349	Tl1908	V_2924	Zn2062
Line	334.904 {101}	190.856 {477}	292.402 {115}	206.200 {163}
IS Ref	(Y_3600)	(In2306)	(Y_3600)	(Y_3600)
Units	ppm	ppm	ppm	ppm
Avg	**.00085**	**.00053**	**-.00051**	**-.00099**
Stddev	.00039	.00052	.00076	.00048
%RSD	46.106	97.627	148.30	48.572
#1	.00113	.00090	.00003	-.00133
#2	.00057	.00016	-.00106	-.00065
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				
Low Limit				

Int. Std.	In2306	Y_2243	Y_3600	Y_3774
Line	230.606 {446}	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**1694.1**	**2622.6**	**22688.**	**4724.9**
Stddev	3.2	9.0	82.	19.5
%RSD	.18835	.34183	.36168	.41262
#1	1691.9	2616.2	22746.	4711.1
#2	1696.4	2628.9	22630.	4738.6

Sample Name: 480-18062-B-10-A Acquired: 4/5/2012 17:46:16 Type: Unk
Method: ICAP1(v261) Mode: CONC Corr. Factor: 1.000000
User: MDM Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	B_2089	Ba4554-2	Be3130	Ca3179	Cd2288	Co2286
Line	328.068 {103}	308.215 {109}	189.042 {478}	208.959 {461}	455.403 { 74}2	313.042 {108}	317.933 {106}	228.802 {447}	228.616 {447}
IS Ref	(Y_3600)	(Y_3774)	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3774)	(Y_3774)	(Y_2243)	(In2306)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00097**	**.05968**	**.01730**	**.44940**	**.13037**	**-.00012**	**60.932**	**.00038**	**.00022**
Stddev	.00140	.02921	.00168	.00303	.00008	.00004	.479	.00018	.00022
%RSD	144.49	48.934	9.7275	.67501	.06314	35.804	.78583	45.654	96.371
#1	-.00196	.03903	.01611	.45155	.13031	-.00009	60.594	.00026	.00007
#2	.00002	.08033	.01849	.44726	.13042	-.00015	61.271	.00051	.00038
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Cr2677	Cu3247	Fe2599	K_7664	K_7664-2	Li6707	Mg2790	Mn2576	Mo2020
Line	267.716 {126}	324.754 {104}	259.940 {130}	766.490 { 44}	766.490 { 44}2	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}
IS Ref	(Y_3600)	(Y_3600)	(Y_3774)	(Y_3774)	(Y_3774)	(Y_3774)	(Y_3600)	(Y_3600)	(Y_2243)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00061**	**.00111**	**.20374**	**3.1586**	**4.3681**	**.01599**	**29.011**	**.03384**	**.03202**
Stddev	.00036	.00001	.00854	.0310	.0034	.00181	.014	.00005	.00061
%RSD	57.914	1.3482	4.1903	.98121	.07753	11.287	.04871	.14308	1.8908
#1	.00036	.00112	.19770	3.1806	4.3657	.01727	29.021	.03381	.03245
#2	.00087	.00110	.20978	3.1367	4.3705	.01472	29.001	.03387	.03159
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Na8183	Ni2316	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899	Sr4077
Line	818.326 { 41}	231.604 {446}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}2	189.989 {477}	407.771 { 83}
IS Ref	(Y_3774)	(In2306)	(In2306)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3774)	(In2306)	(Y_3774)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**263.66**	**-.00027**	**.00352**	**19.37**	**.00028**	**-.00426**	**5.1106**	**-.00104**	**2.6556**
Stddev	.91	.00146	.00001	.06	.00014	.00065	.0536	.00029	.0037
%RSD	.34565	548.77	.24581	.3074	50.747	15.249	1.0496	27.600	.14116
#1	264.31	-.00129	.00351	19.41	.00038	-.00380	5.0727	-.00125	2.6529
#2	263.02	.00076	.00352	19.33	.00018	-.00471	5.1485	-.00084	2.6582
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Ti3349	Tl1908	V_2924	Zn2062
Line	334.904 {101}	190.856 {477}	292.402 {115}	206.200 {163}
IS Ref	(Y_3600)	(In2306)	(Y_3600)	(Y_3600)
Units	ppm	ppm	ppm	ppm
Avg	**-.00004**	**.00039**	**.00056**	**-.00130**
Stddev	.00033	.00061	.00044	.00131
%RSD	843.89	158.05	79.277	100.93
#1	.00019	-.00005	.00024	-.00037
#2	-.00027	.00082	.00087	-.00223
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				
Low Limit				

Int. Std.	In2306	Y_2243	Y_3600	Y_3774
Line	230.606 {446}	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**1772.3**	**2667.5**	**23413.**	**4759.4**
Stddev	5.5	.3	37.	8.3
%RSD	.31285	.01147	.15689	.17526
#1	1776.2	2667.7	23387.	4765.3
#2	1768.3	2667.3	23439.	4753.5

Sample Name: 480-18062-B-11-A Acquired: 4/5/2012 17:48:38 Type: Unk
Method: ICAP1(v261) Mode: CONC Corr. Factor: 1.000000
User: MDM Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	B_2089	Ba4554-2	Be3130	Ca3179	Cd2288	Co2286
Line	328.068 {103}	308.215 {109}	189.042 {478}	208.959 {461}	455.403 { 74}2	313.042 {108}	317.933 {106}	228.802 {447}	228.616 {447}
IS Ref	(Y_3600)	(Y_3774)	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3774)	(Y_3774)	(Y_2243)	(In2306)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00020**	**.04126**	**.01848**	**.45638**	**.11450**	**.00009**	**44.121**	**.00018**	**.00030**
Stddev	.00029	.03468	.00035	.00263	.00050	.00005	.527	.00012	.00013
%RSD	142.97	84.036	1.8932	.57711	.43317	54.374	1.1945	68.806	44.387
#1	.00000	.06579	.01873	.45824	.11485	.00006	44.494	.00027	.00039
#2	.00040	.01674	.01823	.45452	.11415	.00013	43.749	.00009	.00021
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Cr2677	Cu3247	Fe2599	K_7664	K_7664-2	Li6707	Mg2790	Mn2576	Mo2020
Line	267.716 {126}	324.754 {104}	259.940 {130}	766.490 { 44}	766.490 { 44}2	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}
IS Ref	(Y_3600)	(Y_3600)	(Y_3774)	(Y_3774)	(Y_3774)	(Y_3774)	(Y_3600)	(Y_3600)	(Y_2243)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00111**	**.00111**	**.37675**	**2.2708**	**3.0858**	**.01377**	**16.999**	**.02001**	**.04611**
Stddev	.00044	.00043	.01952	.0140	.0100	.00088	.085	.00009	.00013
%RSD	40.048	39.038	5.1801	.61642	.32451	6.3929	.49807	.44032	.27209
#1	.00080	.00080	.39055	2.2610	3.0929	.01315	17.059	.02008	.04620
#2	.00143	.00142	.36295	2.2807	3.0788	.01440	16.939	.01995	.04602
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Na8183	Ni2316	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899	Sr4077
Line	818.326 { 41}	231.604 {446}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}2	189.989 {477}	407.771 { 83}
IS Ref	(Y_3774)	(In2306)	(In2306)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3774)	(In2306)	(Y_3774)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**236.21**	**.00043**	**.00236**	**10.63**	**.00287**	**.00047**	**5.4289**	**-.00169**	**1.6599**
Stddev	.56	.00085	.00394	.05	.00090	.00420	.0671	.00017	.0130
%RSD	.23535	194.82	166.60	.4937	31.278	888.34	1.2364	10.200	.78241
#1	236.60	.00103	-.00042	10.67	.00350	-.00250	5.4764	-.00157	1.6690
#2	235.82	-.00016	.00515	10.59	.00223	.00345	5.3814	-.00181	1.6507
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Ti3349	Tl1908	V_2924	Zn2062
Line	334.904 {101}	190.856 {477}	292.402 {115}	206.200 {163}
IS Ref	(Y_3600)	(In2306)	(Y_3600)	(Y_3600)
Units	ppm	ppm	ppm	ppm
Avg	**.00035**	**.00124**	**-.00017**	**-.00006**
Stddev	.00014	.00127	.00052	.00026
%RSD	41.297	102.24	310.88	445.39
#1	.00045	.00214	-.00054	.00013
#2	.00025	.00034	.00020	-.00024
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				
Low Limit				

Int. Std.	In2306	Y_2243	Y_3600	Y_3774
Line	230.606 {446}	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**1795.0**	**2688.5**	**23495.**	**4749.2**
Stddev	5.3	1.9	53.	33.4
%RSD	.29712	.07069	.22429	.70282
#1	1791.2	2687.1	23457.	4725.6
#2	1798.8	2689.8	23532.	4772.8

Sample Name: 480-18062-B-12-A Acquired: 4/5/2012 17:51:02 Type: Unk
Method: ICAP1(v261) Mode: CONC Corr. Factor: 1.000000
User: MDM Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	B_2089	Ba4554-2	Be3130	Ca3179	Cd2288	Co2286
Line	328.068 {103}	308.215 {109}	189.042 {478}	208.959 {461}	455.403 { 74}2	313.042 {108}	317.933 {106}	228.802 {447}	228.616 {447}
IS Ref	(Y_3600)	(Y_3774)	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3774)	(Y_3774)	(Y_2243)	(In2306)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00157**	**.04274**	**.01156**	**1.2179**	**.02992**	**.00002**	**293.51**	**.00080**	**.00107**
Stddev	.00112	.00852	.00032	.0008	.00013	.00004	1.03	.00015	.00022
%RSD	71.225	19.936	2.7612	.06216	.44016	237.80	.35181	18.143	20.664
#1	-.00078	.03672	.01179	1.2184	.03002	.00004	294.24	.00090	.00123
#2	-.00236	.04877	.01134	1.2174	.02983	-.00001	292.78	.00070	.00091
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Cr2677	Cu3247	Fe2599	K_7664	K_7664-2	Li6707	Mg2790	Mn2576	Mo2020
Line	267.716 {126}	324.754 {104}	259.940 {130}	766.490 { 44}	766.490 { 44}2	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}
IS Ref	(Y_3600)	(Y_3600)	(Y_3774)	(Y_3774)	(Y_3774)	(Y_3774)	(Y_3600)	(Y_3600)	(Y_2243)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00264**	**.00179**	**2.5050**	**10.703**	**22.758**	**.11002**	**89.220**	**.06783**	**.01039**
Stddev	.00012	.00030	.0145	.058	.335	.00016	.364	.00043	.00023
%RSD	4.5094	16.963	.57868	.53764	1.4739	.14953	.40824	.63864	2.2090
#1	.00256	.00201	2.4948	10.662	22.995	.11014	89.477	.06814	.01055
#2	.00272	.00158	2.5153	10.744	22.521	.10991	88.962	.06752	.01022
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Na8183	Ni2316	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899	Sr4077
Line	818.326 { 41}	231.604 {446}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}2	189.989 {477}	407.771 { 83}
IS Ref	(Y_3774)	(In2306)	(In2306)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3774)	(In2306)	(Y_3774)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**2437.8**	**.00122**	**.00286**	F **196.2**	**.00057**	**.00496**	**4.9165**	**-.00008**	**8.0753**
Stddev	3.3	.00045	.00073	.9	.00170	.00367	.1100	.00026	.0050
%RSD	.13476	36.770	25.589	.4494	296.89	73.997	2.2371	319.64	.06125
#1	2440.1	.00090	.00338	196.8	-.00063	.00755	4.9943	-.00027	8.0787
#2	2435.4	.00153	.00235	195.6	.00178	.00236	4.8388	.00010	8.0718
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				25.00					
Low Limit				-.0100					

Elem	Ti3349	Tl1908	V_2924	Zn2062
Line	334.904 {101}	190.856 {477}	292.402 {115}	206.200 {163}
IS Ref	(Y_3600)	(In2306)	(Y_3600)	(Y_3600)
Units	ppm	ppm	ppm	ppm
Avg	**.00181**	**.00054**	**-.00055**	**-.00078**
Stddev	.00160	.00141	.00051	.00106
%RSD	88.239	259.69	92.961	135.60
#1	.00068	.00154	-.00091	-.00003
#2	.00295	-.00045	-.00019	-.00153
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				
Low Limit				

Int. Std.	In2306	Y_2243	Y_3600	Y_3774
Line	230.606 {446}	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**1417.5**	**2379.3**	**20269.**	**4545.0**
Stddev	3.2	3.6	114.	39.0
%RSD	.22311	.15148	.56149	.85853
#1	1415.3	2381.9	20189.	4517.4
#2	1419.7	2376.8	20350.	4572.6

Sample Name: 480-18062-B-13-A Acquired: 4/5/2012 17:53:32 Type: Unk
Method: ICAP1(v261) Mode: CONC Corr. Factor: 1.000000
User: MDM Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	B_2089	Ba4554-2	Be3130	Ca3179	Cd2288	Co2286
Line	328.068 {103}	308.215 {109}	189.042 {478}	208.959 {461}	455.403 { 74}2	313.042 {108}	317.933 {106}	228.802 {447}	228.616 {447}
IS Ref	(Y_3600)	(Y_3774)	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3774)	(Y_3774)	(Y_2243)	(In2306)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00101**	**.04205**	**.01889**	**.76639**	**.03043**	**.00007**	**182.89**	**.00075**	**.00062**
Stddev	.00096	.03838	.00254	.00309	.00006	.00016	1.60	.00006	.00034
%RSD	94.747	91.272	13.461	.40332	.19943	226.38	.87699	7.8904	55.114
#1	-.00169	.01491	.01709	.76858	.03047	.00019	181.76	.00079	.00038
#2	-.00033	.06919	.02068	.76421	.03038	-.00004	184.03	.00071	.00086
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Cr2677	Cu3247	Fe2599	K_7664	K_7664-2	Li6707	Mg2790	Mn2576	Mo2020
Line	267.716 {126}	324.754 {104}	259.940 {130}	766.490 { 44}	766.490 { 44}2	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}
IS Ref	(Y_3600)	(Y_3600)	(Y_3774)	(Y_3774)	(Y_3774)	(Y_3774)	(Y_3600)	(Y_3600)	(Y_2243)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00252**	**.00143**	**1.2446**	**6.2137**	**11.788**	**.05389**	**62.368**	**.06739**	**.02279**
Stddev	.00040	.00022	.0115	.0175	.336	.00037	.179	.00011	.00038
%RSD	15.722	15.548	.92626	.28161	2.8505	.68706	.28722	.16952	1.6801
#1	.00224	.00159	1.2528	6.2013	12.025	.05415	62.241	.06731	.02306
#2	.00280	.00127	1.2365	6.2261	11.550	.05363	62.494	.06747	.02252
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Na8183	Ni2316	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899	Sr4077
Line	818.326 { 41}	231.604 {446}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}2	189.989 {477}	407.771 { 83}
IS Ref	(Y_3774)	(In2306)	(In2306)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3774)	(In2306)	(Y_3774)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1295.3**	**-.00003**	**.00082**	F **89.24**	**-.00216**	**-.00603**	**5.3156**	**-.00032**	**5.8387**
Stddev	1.0	.00084	.00366	.12	.00049	.00668	.0315	.00005	.0121
%RSD	.07469	2482.1	443.35	.1291	22.523	110.90	.59233	15.361	.20659
#1	1296.0	-.00063	-.00176	89.32	-.00250	-.01075	5.2934	-.00028	5.8302
#2	1294.6	.00056	.00341	89.16	-.00181	-.00130	5.3379	-.00035	5.8472
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				25.00					
Low Limit				-.0100					

Elem	Ti3349	Tl1908	V_2924	Zn2062
Line	334.904 {101}	190.856 {477}	292.402 {115}	206.200 {163}
IS Ref	(Y_3600)	(In2306)	(Y_3600)	(Y_3600)
Units	ppm	ppm	ppm	ppm
Avg	**.00080**	**.00160**	**-.00001**	**-.00194**
Stddev	.00019	.00393	.00035	.00123
%RSD	23.476	246.14	2859.2	63.260
#1	.00093	-.00118	-.00026	-.00281
#2	.00067	.00438	.00023	-.00107
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				
Low Limit				

Int. Std.	In2306	Y_2243	Y_3600	Y_3774
Line	230.606 {446}	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**1529.7**	**2490.0**	**21403.**	**4635.9**
Stddev	.2	4.2	6.	4.2
%RSD	.01519	.16800	.02844	.09031
#1	1529.8	2493.0	21398.	4633.0
#2	1529.5	2487.0	21407.	4638.9

Sample Name: 480-18062-B-14-A Acquired: 4/5/2012 17:56:02 Type: Unk
Method: ICAP1(v261) Mode: CONC Corr. Factor: 1.000000
User: MDM Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	B_2089	Ba4554-2	Be3130	Ca3179	Cd2288	Co2286
Line	328.068 {103}	308.215 {109}	189.042 {478}	208.959 {461}	455.403 { 74}2	313.042 {108}	317.933 {106}	228.802 {447}	228.616 {447}
IS Ref	(Y_3600)	(Y_3774)	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3774)	(Y_3774)	(Y_2243)	(In2306)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00140**	**.01022**	**.00928**	**.42141**	**.01037**	**.00003**	**15.048**	**.00019**	**.00005**
Stddev	.00022	.00316	.00044	.00291	.00007	.00006	.124	.00006	.00003
%RSD	15.777	30.879	4.7852	.69153	.69758	176.99	.82512	31.175	67.651
#1	-.00125	.00799	.00896	.42347	.01042	.00007	15.136	.00015	.00007
#2	-.00156	.01245	.00959	.41935	.01032	-.00001	14.960	.00024	.00003
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Cr2677	Cu3247	Fe2599	K_7664	K_7664-2	Li6707	Mg2790	Mn2576	Mo2020
Line	267.716 {126}	324.754 {104}	259.940 {130}	766.490 { 44}	766.490 { 44}2	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}
IS Ref	(Y_3600)	(Y_3600)	(Y_3774)	(Y_3774)	(Y_3774)	(Y_3774)	(Y_3600)	(Y_3600)	(Y_2243)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00051**	**.00104**	**.02673**	**1.3123**	**1.3589**	**.00666**	**5.7221**	**.00596**	**.06874**
Stddev	.00050	.00007	.00368	.0162	.0012	.00090	.0419	.00009	.00014
%RSD	98.252	6.6276	13.774	1.2360	.08685	13.445	.73151	1.5692	.20286
#1	.00015	.00108	.02934	1.3008	1.3598	.00729	5.7517	.00603	.06884
#2	.00086	.00099	.02413	1.3238	1.3581	.00603	5.6925	.00590	.06864
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Na8183	Ni2316	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899	Sr4077
Line	818.326 { 41}	231.604 {446}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}2	189.989 {477}	407.771 { 83}
IS Ref	(Y_3774)	(In2306)	(In2306)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3774)	(In2306)	(Y_3774)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**63.149**	**.00038**	**.00101**	**1.647**	**.00094**	**-.00308**	**4.6470**	**-.00032**	**.34493**
Stddev	.632	.00042	.00153	.002	.00136	.00266	.0007	.00088	.00106
%RSD	1.0002	110.68	151.01	.0960	143.96	86.152	.01527	273.63	.30863
#1	63.596	.00008	.00209	1.648	-.00002	-.00496	4.6475	-.00095	.34569
#2	62.703	.00067	-.00007	1.646	.00191	-.00120	4.6464	.00030	.34418
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Ti3349	Tl1908	V_2924	Zn2062
Line	334.904 {101}	190.856 {477}	292.402 {115}	206.200 {163}
IS Ref	(Y_3600)	(In2306)	(Y_3600)	(Y_3600)
Units	ppm	ppm	ppm	ppm
Avg	**.00070**	**.00096**	**-.00014**	**-.00056**
Stddev	.00032	.00074	.00029	.00084
%RSD	46.297	76.947	209.16	148.57
#1	.00093	.00148	.00007	.00003
#2	.00047	.00044	-.00035	-.00116
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				
Low Limit				

Int. Std.	In2306	Y_2243	Y_3600	Y_3774
Line	230.606 {446}	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**1936.5**	**2774.9**	**24637.**	**4825.0**
Stddev	1.5	3.3	162.	53.7
%RSD	.08002	.11927	.65873	1.1131
#1	1937.6	2777.2	24522.	4787.0
#2	1935.4	2772.6	24752.	4863.0

Sample Name: 480-18065-A-2-A Acquired: 4/5/2012 17:58:22 Type: Unk
Method: ICAP1(v261) Mode: CONC Corr. Factor: 1.000000
User: MDM Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	B_2089	Ba4554-2	Be3130	Ca3179	Cd2288	Co2286
Line	328.068 {103}	308.215 {109}	189.042 {478}	208.959 {461}	455.403 { 74}2	313.042 {108}	317.933 {106}	228.802 {447}	228.616 {447}
IS Ref	(Y_3600)	(Y_3774)	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3774)	(Y_3774)	(Y_2243)	(In2306)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00151**	**.05516**	**.01395**	**.14813**	**.04357**	**.00024**	**61.512**	**.00017**	**-.00011**
Stddev	.00024	.01626	.00144	.00032	.00019	.00002	.020	.00018	.00006
%RSD	15.691	29.477	10.290	.21361	.42696	8.4105	.03212	107.58	51.613
#1	-.00134	.06665	.01293	.14835	.04371	.00026	61.525	.00004	-.00007
#2	-.00168	.04366	.01496	.14791	.04344	.00023	61.498	.00029	-.00015
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Cr2677	Cu3247	Fe2599	K_7664	K_7664-2	Li6707	Mg2790	Mn2576	Mo2020
Line	267.716 {126}	324.754 {104}	259.940 {130}	766.490 { 44}	766.490 { 44}2	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}
IS Ref	(Y_3600)	(Y_3600)	(Y_3774)	(Y_3774)	(Y_3774)	(Y_3774)	(Y_3600)	(Y_3600)	(Y_2243)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00063**	**.00043**	**.04427**	**2.8623**	**3.2629**	**.01644**	**56.487**	**.00864**	**.00598**
Stddev	.00043	.00092	.00845	.0202	.0090	.00167	.029	.00005	.00007
%RSD	67.937	211.91	19.093	.70638	.27453	10.179	.05097	.53004	1.0975
#1	.00033	.00108	.05025	2.8480	3.2565	.01762	56.507	.00867	.00593
#2	.00093	-.00022	.03830	2.8766	3.2692	.01526	56.467	.00860	.00602
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Na8183	Ni2316	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899	Sr4077
Line	818.326 { 41}	231.604 {446}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}2	189.989 {477}	407.771 { 83}
IS Ref	(Y_3774)	(In2306)	(In2306)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3774)	(In2306)	(Y_3774)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**54.427**	**.00057**	**.00313**	F **82.86**	**.00177**	**-.00258**	**6.8755**	**-.00077**	**.91022**
Stddev	.665	.00080	.00140	.43	.00135	.00355	.0224	.00005	.00412
%RSD	1.2223	142.01	44.549	.5204	76.535	137.46	.32580	5.8779	.45305
#1	54.898	.00113	.00215	83.17	.00272	-.00509	6.8913	-.00074	.91313
#2	53.957	.00000	.00412	82.56	.00081	-.00007	6.8596	-.00081	.90730
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				25.00					
Low Limit				-.0100					

Elem	Ti3349	Tl1908	V_2924	Zn2062
Line	334.904 {101}	190.856 {477}	292.402 {115}	206.200 {163}
IS Ref	(Y_3600)	(In2306)	(Y_3600)	(Y_3600)
Units	ppm	ppm	ppm	ppm
Avg	**.00035**	**.00161**	**.00069**	**.02696**
Stddev	.00086	.00188	.00010	.00079
%RSD	247.26	116.87	14.756	2.9325
#1	-.00026	.00028	.00062	.02752
#2	.00095	.00293	.00077	.02640
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				
Low Limit				

Int. Std.	In2306	Y_2243	Y_3600	Y_3774
Line	230.606 {446}	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**1868.5**	**2711.5**	**24168.**	**4802.7**
Stddev	2.3	11.3	72.	7.5
%RSD	.12404	.41588	.29603	.15598
#1	1866.9	2703.5	24218.	4797.4
#2	1870.2	2719.4	24117.	4808.0

Sample Name: 480-18065-A-3-A Acquired: 4/5/2012 18:00:43 Type: Unk
Method: ICAP1(v261) Mode: CONC Corr. Factor: 1.000000
User: MDM Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	B_2089	Ba4554-2	Be3130	Ca3179	Cd2288	Co2286
Line	328.068 {103}	308.215 {109}	189.042 {478}	208.959 {461}	455.403 { 74}2	313.042 {108}	317.933 {106}	228.802 {447}	228.616 {447}
IS Ref	(Y_3600)	(Y_3774)	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3774)	(Y_3774)	(Y_2243)	(In2306)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00025**	**.03592**	**.00281**	**.09934**	**.12305**	**.00030**	**60.478**	**.00013**	**-.00010**
Stddev	.00030	.05085	.00098	.00030	.00064	.00003	.056	.00009	.00002
%RSD	120.14	141.58	34.929	.30280	.52224	10.813	.09249	73.292	18.569
#1	.00046	-.00004	.00350	.09956	.12260	.00027	60.518	.00019	-.00009
#2	.00004	.07188	.00211	.09913	.12350	.00032	60.439	.00006	-.00011
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Cr2677	Cu3247	Fe2599	K_7664	K_7664-2	Li6707	Mg2790	Mn2576	Mo2020
Line	267.716 {126}	324.754 {104}	259.940 {130}	766.490 { 44}	766.490 { 44}2	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}
IS Ref	(Y_3600)	(Y_3600)	(Y_3774)	(Y_3774)	(Y_3774)	(Y_3774)	(Y_3600)	(Y_3600)	(Y_2243)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00009**	**.00061**	**.09539**	**2.5751**	**2.8054**	**.01176**	**29.915**	**.08252**	**.00220**
Stddev	.00054	.00052	.00370	.0069	.0027	.00001	.134	.00046	.00007
%RSD	590.97	84.789	3.8776	.26873	.09479	.07925	.44862	.55760	3.1193
#1	.00047	.00025	.09278	2.5800	2.8035	.01175	29.821	.08220	.00225
#2	-.00029	.00098	.09801	2.5702	2.8073	.01176	30.010	.08285	.00215
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Na5895	Ni2316	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899	Sr4077
Line	589.592 { 57}	231.604 {446}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}2	189.989 {477}	407.771 { 83}
IS Ref	(Y_3774)	(In2306)	(In2306)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3774)	(In2306)	(Y_3774)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**43.886**	**.00087**	**.00377**	**10.39**	**.00130**	**-.00343**	**6.0058**	**-.00142**	**.60155**
Stddev	.118	.00068	.00116	.06	.00013	.00006	.0435	.00019	.00229
%RSD	.26913	78.537	30.847	.5591	9.8589	1.7055	.72513	13.151	.38146
#1	43.970	.00135	.00295	10.43	.00121	-.00338	6.0366	-.00156	.60318
#2	43.802	.00039	.00459	10.35	.00139	-.00347	5.9750	-.00129	.59993
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Ti3349	Tl1908	V_2924	Zn2062
Line	334.904 {101}	190.856 {477}	292.402 {115}	206.200 {163}
IS Ref	(Y_3600)	(In2306)	(Y_3600)	(Y_3600)
Units	ppm	ppm	ppm	ppm
Avg	**.00021**	**-.00015**	**-.00026**	**.00072**
Stddev	.00016	.00215	.00113	.00093
%RSD	77.478	1454.2	437.80	130.38
#1	.00010	-.00167	-.00106	.00006
#2	.00033	.00137	.00054	.00138
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				
Low Limit				

Int. Std.	In2306	Y_2243	Y_3600	Y_3774
Line	230.606 {446}	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**1889.6**	**2730.3**	**24372.**	**4794.8**
Stddev	6.1	3.3	11.	7.5
%RSD	.32206	.12116	.04348	.15547
#1	1885.3	2728.0	24364.	4800.1
#2	1894.0	2732.6	24379.	4789.6

Sample Name: 480-18065-A-4-A Acquired: 4/5/2012 18:03:02 Type: Unk
Method: ICAP1(v261) Mode: CONC Corr. Factor: 1.000000
User: MDM Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	B_2089	Ba4554-2	Be3130	Ca3179	Cd2288	Co2286
Line	328.068 {103}	308.215 {109}	189.042 {478}	208.959 {461}	455.403 { 74}2	313.042 {108}	317.933 {106}	228.802 {447}	228.616 {447}
IS Ref	(Y_3600)	(Y_3774)	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3774)	(Y_3774)	(Y_2243)	(In2306)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00127**	**.02202**	**.02939**	**.08992**	**.26880**	**-.00006**	**69.731**	**.00020**	**-.00004**
Stddev	.00068	.05258	.00239	.00050	.00115	.00007	.171	.00007	.00003
%RSD	53.825	238.80	8.1447	.55759	.42628	126.07	.24529	34.313	82.461
#1	-.00175	-.01516	.02770	.08956	.26799	-.00011	69.610	.00024	-.00007
#2	-.00078	.05920	.03108	.09027	.26961	-.00001	69.852	.00015	-.00002
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Cr2677	Cu3247	Fe2599	K_7664	K_7664-2	Li6707	Mg2790	Mn2576	Mo2020
Line	267.716 {126}	324.754 {104}	259.940 {130}	766.490 { 44}	766.490 { 44}2	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}
IS Ref	(Y_3600)	(Y_3600)	(Y_3774)	(Y_3774)	(Y_3774)	(Y_3774)	(Y_3600)	(Y_3600)	(Y_2243)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00121**	**.00038**	**.88729**	**1.6437**	**1.7503**	**.00914**	**28.000**	**.01159**	**.00440**
Stddev	.00056	.00007	.00207	.0325	.0157	.00147	.071	.00006	.00012
%RSD	46.713	16.972	.23325	1.9742	.89556	16.139	.25423	.52671	2.6651
#1	.00081	.00034	.88876	1.6666	1.7392	.00809	27.950	.01155	.00432
#2	.00160	.00043	.88583	1.6207	1.7614	.01018	28.050	.01163	.00448
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Na5895	Ni2316	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899	Sr4077
Line	589.592 { 57}	231.604 {446}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}2	189.989 {477}	407.771 { 83}
IS Ref	(Y_3774)	(In2306)	(In2306)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3774)	(In2306)	(Y_3774)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**41.858**	**-.00027**	**.00258**	**6.258**	**.00050**	**-.00256**	**9.0043**	**-.00159**	**.65033**
Stddev	.069	.00040	.00099	.019	.00291	.00860	.0998	.00022	.00054
%RSD	.16594	150.07	38.289	.2998	580.05	335.28	1.1079	13.971	.08281
#1	41.809	-.00055	.00328	6.272	-.00155	-.00865	8.9338	-.00174	.65071
#2	41.907	.00002	.00188	6.245	.00256	.00352	9.0749	-.00143	.64994
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Ti3349	Tl1908	V_2924	Zn2062
Line	334.904 {101}	190.856 {477}	292.402 {115}	206.200 {163}
IS Ref	(Y_3600)	(In2306)	(Y_3600)	(Y_3600)
Units	ppm	ppm	ppm	ppm
Avg	**.00025**	**-.00058**	**.00012**	**-.00009**
Stddev	.00008	.00444	.00077	.00008
%RSD	30.984	763.89	671.90	87.549
#1	.00030	-.00372	.00066	-.00004
#2	.00019	.00256	-.00043	-.00015
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				
Low Limit				

Int. Std.	In2306	Y_2243	Y_3600	Y_3774
Line	230.606 {446}	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**1881.4**	**2734.9**	**24255.**	**4811.0**
Stddev	2.6	.7	43.	4.2
%RSD	.13881	.02609	.17888	.08769
#1	1883.3	2734.4	24224.	4808.0
#2	1879.6	2735.4	24285.	4814.0

Sample Name: CCV Acquired: 4/5/2012 18:05:22 Type: QC
Method: ICAP1(v261) Mode: CONC Corr. Factor: 1.000000
User: MDM Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	B_2089	Ba4554	Be3130	Ca3179	Cd2288	Co2286	Cr2677	Cu3247	Fe2599	K_7664
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.49183**	**24.901**	**.48938**	**.48483**	**.50641**	**.50086**	**24.962**	**.49555**	**.47944**	**.49375**	**.49702**	**25.219**	**24.830**
Stddev	.00438	.051	.00096	.00184	.00004	.00056	.044	.00034	.00121	.00198	.00225	.009	.025
%RSD	.89113	.20483	.19548	.37884	.00808	.11213	.17649	.06850	.25138	.40138	.45346	.03548	.10237
#1	.49493	24.937	.48870	.48612	.50639	.50125	24.931	.49579	.48030	.49235	.49542	25.212	24.812
#2	.48873	24.865	.49005	.48353	.50644	.50046	24.994	.49531	.47859	.49515	.49861	25.225	24.848
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value													
Range													

Elem	K_7664-2	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**24.707**	**.49670**	**24.892**	**.50780**	**.49727**	**24.706**	**.48918**	**.48980**	**25.15**	**.49588**	**.49685**	**24.368**	**.50258**
Stddev	.049	.00088	.050	.00060	.00148	.022	.00225	.00380	.11	.00414	.00562	.097	.00020
%RSD	.19758	.17663	.20263	.11894	.29691	.08782	.46093	.77604	.4291	.83547	1.1314	.39808	.03962
#1	24.673	.49608	24.928	.50823	.49831	24.690	.49078	.49249	25.23	.49881	.50082	24.300	.50272
#2	24.742	.49732	24.856	.50738	.49623	24.721	.48759	.48711	25.07	.49295	.49287	24.437	.50244
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value													
Range													

Elem	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm
Avg	**.49379**	**.49810**	**.49322**	**.49443**	**.49042**
Stddev	.00010	.00059	.00007	.00177	.00004
%RSD	.02121	.11930	.01463	.35829	.00782
#1	.49371	.49768	.49317	.49317	.49040
#2	.49386	.49852	.49327	.49568	.49045
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value					
Range					

Int. Std.	In2306	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**1900.8**	**2779.8**	**24518.**	**4803.4**
Stddev	.2	.5	13.	7.6
%RSD	.01157	.01754	.05175	.15772
#1	1900.9	2780.2	24527.	4798.0
#2	1900.6	2779.5	24509.	4808.7

Sample Name: CCB Acquired: 4/5/2012 18:07:39 Type: QC
Method: ICAP1(v261) Mode: CONC Corr. Factor: 1.000000
User: MDM Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	B_2089	Ba4554-2	Be3130	Ca3179	Cd2288	Co2286	Cr2677	Cu3247	Fe2599	K_7664
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00058**	**.01226**	**.00177**	**.00205**	**.00001**	**.00009**	**-.00162**	**.00001**	**.00008**	**-.00009**	**.00061**	**-.00628**	**.04114**
Stddev	.00020	.00182	.00199	.00006	.00001	.00013	.00064	.00003	.00007	.00067	.00055	.00087	.02401
%RSD	34.534	14.880	112.59	2.7694	67.370	136.61	39.115	233.47	96.150	707.39	89.785	13.908	58.349
#1	-.00072	.01355	.00318	.00209	.00001	.00000	-.00118	-.00001	.00013	-.00057	.00100	-.00566	.02417
#2	-.00044	.01097	.00036	.00201	.00002	.00018	-.00207	.00004	.00002	.00038	.00022	-.00689	.05812
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit													
Low Limit													

Elem	K_7664-2	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00165**	**-.00006**	**.00302**	**-.00002**	**.00017**	**.06752**	**-.00015**	**.00141**	**-.0030**	**.00149**	**-.00065**	**.02538**	**.00021**
Stddev	.00025	.00110	.00044	.00007	.00012	.00295	.00063	.00270	.0021	.00020	.00519	.01643	.00019
%RSD	15.333	1976.3	14.398	300.58	67.550	4.3738	406.84	191.48	71.14	13.653	800.44	64.731	92.415
#1	.00183	-.00083	.00272	-.00007	.00026	.06961	-.00060	.00331	-.0044	.00164	.00302	.01376	.00007
#2	.00147	.00072	.00333	.00003	.00009	.06543	.00029	-.00050	-.0015	.00135	-.00431	.03699	.00034
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit													
Low Limit													

Elem	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm
Avg	**-.00014**	**-.00018**	**.00090**	**-.00057**	**-.00043**
Stddev	.00017	.00028	.00084	.00031	.00010
%RSD	126.61	157.24	92.888	55.606	21.954
#1	-.00001	-.00037	.00031	-.00034	-.00050
#2	-.00026	.00002	.00149	-.00079	-.00037
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Int. Std.	In2306	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**2023.8**	**2794.1**	**25190.**	**4721.0**
Stddev	2.0	1.2	24.	4.5
%RSD	.09710	.04437	.09420	.09590
#1	2022.4	2795.0	25173.	4717.8
#2	2025.2	2793.2	25206.	4724.2

Sample Name: 480-18065-A-5-A Acquired: 4/5/2012 18:10:03 Type: Unk
Method: ICAP1(v261) Mode: CONC Corr. Factor: 1.000000
User: MDM Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	B_2089	Ba4554-2	Be3130	Ca3179	Cd2288	Co2286
Line	328.068 {103}	308.215 {109}	189.042 {478}	208.959 {461}	455.403 { 74}2	313.042 {108}	317.933 {106}	228.802 {447}	228.616 {447}
IS Ref	(Y_3600)	(Y_3774)	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3774)	(Y_3774)	(Y_2243)	(In2306)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00130**	**.05331**	**.02802**	**.10583**	**.14787**	**.00016**	**69.581**	**.00020**	**.00017**
Stddev	.00009	.05506	.00219	.00007	.00037	.00013	.165	.00007	.00011
%RSD	6.6710	103.29	7.8016	.06268	.24967	81.106	.23664	36.596	67.257
#1	-.00136	.01437	.02648	.10588	.14761	.00025	69.698	.00025	.00025
#2	-.00124	.09224	.02957	.10578	.14813	.00007	69.465	.00014	.00009
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Cr2677	Cu3247	Fe2599	K_7664	K_7664-2	Li6707	Mg2790	Mn2576	Mo2020
Line	267.716 {126}	324.754 {104}	259.940 {130}	766.490 { 44}	766.490 { 44}2	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}
IS Ref	(Y_3600)	(Y_3600)	(Y_3774)	(Y_3774)	(Y_3774)	(Y_3774)	(Y_3600)	(Y_3600)	(Y_2243)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00058**	**.00066**	**.66064**	**1.7339**	**1.9537**	**.01150**	**29.208**	**.03570**	**.00908**
Stddev	.00065	.00034	.00781	.0318	.0056	.00092	.003	.00011	.00032
%RSD	110.52	52.042	1.1826	1.8362	.28873	8.0276	.00931	.30385	3.4767
#1	.00013	.00042	.65512	1.7114	1.9497	.01084	29.206	.03562	.00885
#2	.00104	.00091	.66617	1.7564	1.9577	.01215	29.209	.03577	.00930
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Na5895	Ni2316	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899	Sr4077
Line	589.592 { 57}	231.604 {446}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}2	189.989 {477}	407.771 { 83}
IS Ref	(Y_3774)	(In2306)	(In2306)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3774)	(In2306)	(Y_3774)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**48.266**	**.00015**	**.00401**	**8.790**	**.00093**	**-.00387**	**8.7405**	**-.00078**	**.58142**
Stddev	.178	.00078	.00029	.029	.00110	.00222	.0690	.00137	.00180
%RSD	.36797	533.46	7.2708	.3285	118.80	57.257	.78965	175.84	.30944
#1	48.391	.00070	.00422	8.810	.00171	-.00230	8.6917	.00019	.58269
#2	48.140	-.00041	.00381	8.769	.00015	-.00544	8.7893	-.00175	.58015
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Ti3349	Tl1908	V_2924	Zn2062
Line	334.904 {101}	190.856 {477}	292.402 {115}	206.200 {163}
IS Ref	(Y_3600)	(In2306)	(Y_3600)	(Y_3600)
Units	ppm	ppm	ppm	ppm
Avg	**.00062**	**-.00034**	**-.00035**	**.27930**
Stddev	.00000	.00064	.00008	.00285
%RSD	.54094	186.10	23.440	1.0186
#1	.00062	.00011	-.00041	.28131
#2	.00062	-.00080	-.00029	.27729
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				
Low Limit				

Int. Std.	In2306	Y_2243	Y_3600	Y_3774
Line	230.606 {446}	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**1875.7**	**2727.3**	**24367.**	**4792.9**
Stddev	2.9	6.8	153.	1.8
%RSD	.15614	.24893	.62818	.03769
#1	1877.7	2732.1	24258.	4791.6
#2	1873.6	2722.5	24475.	4794.2

Sample Name: 480-18065-A-6-A Acquired: 4/5/2012 18:12:22 Type: Unk
Method: ICAP1(v261) Mode: CONC Corr. Factor: 1.000000
User: MDM Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	B_2089	Ba4554-2	Be3130	Ca3179	Cd2288	Co2286
Line	328.068 {103}	308.215 {109}	189.042 {478}	208.959 {461}	455.403 { 74}2	313.042 {108}	317.933 {106}	228.802 {447}	228.616 {447}
IS Ref	(Y_3600)	(Y_3774)	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3774)	(Y_3774)	(Y_2243)	(In2306)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00139**	**.04441**	**.01310**	**.29780**	**.41173**	**.00000**	**89.020**	**.00048**	**.00053**
Stddev	.00006	.00531	.00016	.00084	.00049	.00000	.263	.00001	.00071
%RSD	4.0511	11.950	1.2115	.28201	.11906	962.33	.29547	1.9405	133.49
#1	-.00143	.04066	.01321	.29720	.41208	.00000	88.834	.00047	.00104
#2	-.00135	.04816	.01298	.29839	.41138	.00000	89.206	.00049	.00003
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Cr2677	Cu3247	Fe2599	K_7664	K_7664-2	Li6707	Mg2790	Mn2576	Mo2020
Line	267.716 {126}	324.754 {104}	259.940 {130}	766.490 { 44}	766.490 { 44}2	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}
IS Ref	(Y_3600)	(Y_3600)	(Y_3774)	(Y_3774)	(Y_3774)	(Y_3774)	(Y_3600)	(Y_3600)	(Y_2243)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00224**	**.00079**	**2.9489**	**2.7382**	**3.3446**	**.01592**	**46.015**	**.02445**	**.00650**
Stddev	.00044	.00019	.0211	.0014	.0200	.00082	.046	.00006	.00024
%RSD	19.513	24.300	.71575	.05137	.59801	5.1808	.09915	.24547	3.6875
#1	.00193	.00065	2.9638	2.7373	3.3587	.01650	46.047	.02449	.00667
#2	.00255	.00092	2.9340	2.7392	3.3304	.01534	45.982	.02441	.00633
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Na8183	Ni2316	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899	Sr4077
Line	818.326 { 41}	231.604 {446}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}2	189.989 {477}	407.771 { 83}
IS Ref	(Y_3774)	(In2306)	(In2306)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3774)	(In2306)	(Y_3774)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**92.090**	**.01529**	**.00236**	**3.574**	**.00175**	**-.00103**	**10.493**	**-.00069**	**1.0749**
Stddev	.276	.00039	.00159	.015	.00171	.00166	.027	.00013	.0036
%RSD	.30011	2.5664	67.444	.4135	98.053	160.83	.25925	18.572	.33822
#1	91.895	.01501	.00123	3.585	.00054	.00014	10.513	-.00078	1.0723
#2	92.286	.01556	.00348	3.564	.00296	-.00220	10.474	-.00060	1.0774
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Ti3349	Tl1908	V_2924	Zn2062
Line	334.904 {101}	190.856 {477}	292.402 {115}	206.200 {163}
IS Ref	(Y_3600)	(In2306)	(Y_3600)	(Y_3600)
Units	ppm	ppm	ppm	ppm
Avg	**.00059**	**.00140**	**-.00011**	**.03463**
Stddev	.00084	.00047	.00058	.00022
%RSD	141.45	33.767	513.00	.62260
#1	.00000	.00173	-.00052	.03479
#2	.00119	.00106	.00029	.03448
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				
Low Limit				

Int. Std.	In2306	Y_2243	Y_3600	Y_3774
Line	230.606 {446}	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**1831.1**	**2698.5**	**23989.**	**4811.1**
Stddev	2.7	.8	9.	9.6
%RSD	.14988	.03004	.03935	.19896
#1	1829.2	2699.1	23996.	4817.9
#2	1833.1	2697.9	23982.	4804.3

Sample Name: 480-18010-A-5-B@5 Acquired: 4/5/2012 18:14:43 Type: Unk
Method: ICAP1(v261) Mode: CONC Corr. Factor: 1.000000
User: MDM Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	B_2089	Ba4554-2	Be3130	Ca3179	Cd2288	Co2286
Line	328.068 {103}	308.215 {109}	189.042 {478}	208.959 {461}	455.403 { 74}2	313.042 {108}	317.933 {106}	228.802 {447}	228.616 {447}
IS Ref	(Y_3600)	(Y_3774)	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3774)	(Y_3774)	(Y_2243)	(In2306)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00097**	**.01953**	**.00209**	**.07212**	**.05989**	**.00004**	**80.244**	**.00021**	**.00024**
Stddev	.00050	.01161	.00001	.00062	.00038	.00009	.113	.00005	.00026
%RSD	51.227	59.448	.70876	.86162	.64218	212.17	.14128	24.277	110.53
#1	-.00132	.02773	.00210	.07256	.06016	-.00002	80.325	.00025	.00042
#2	-.00062	.01132	.00208	.07168	.05961	.00010	80.164	.00018	.00005
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Cr2677	Cu3247	Fe2599	K_7664	K_7664-2	Li6707	Mg2790	Mn2576	Mo2020
Line	267.716 {126}	324.754 {104}	259.940 {130}	766.490 { 44}	766.490 { 44}2	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}
IS Ref	(Y_3600)	(Y_3600)	(Y_3774)	(Y_3774)	(Y_3774)	(Y_3774)	(Y_3600)	(Y_3600)	(Y_2243)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00251**	**.00150**	**8.3772**	**.24790**	**.29593**	**.00565**	**65.767**	**.77297**	**.00018**
Stddev	.00065	.00037	.0512	.00089	.00189	.00016	.298	.00346	.00014
%RSD	25.884	24.965	.61135	.35951	.63876	2.8711	.45266	.44818	76.037
#1	.00297	.00123	8.4134	.24727	.29727	.00577	65.978	.77542	.00008
#2	.00205	.00176	8.3409	.24853	.29460	.00554	65.557	.77052	.00028
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Na8183	Ni2316	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899	Sr4077
Line	818.326 { 41}	231.604 {446}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}2	189.989 {477}	407.771 { 83}
IS Ref	(Y_3774)	(In2306)	(In2306)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3774)	(In2306)	(Y_3774)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**55.370**	**.00119**	**.00339**	**.3321**	**.00130**	**-.00159**	**2.4340**	**-.00053**	**.55282**
Stddev	.257	.00053	.00141	.0038	.00056	.00196	.0260	.00070	.00143
%RSD	.46388	44.183	41.722	1.129	42.777	122.78	1.0680	131.94	.25916
#1	55.552	.00156	.00439	.3347	.00170	-.00021	2.4524	-.00004	.55383
#2	55.189	.00082	.00239	.3294	.00091	-.00298	2.4156	-.00103	.55180
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Ti3349	Tl1908	V_2924	Zn2062
Line	334.904 {101}	190.856 {477}	292.402 {115}	206.200 {163}
IS Ref	(Y_3600)	(In2306)	(Y_3600)	(Y_3600)
Units	ppm	ppm	ppm	ppm
Avg	**.00075**	**.00054**	**.00137**	**.00010**
Stddev	.00100	.00186	.00022	.00111
%RSD	132.66	342.23	16.051	1078.4
#1	.00146	-.00077	.00152	-.00068
#2	.00005	.00185	.00121	.00089
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				
Low Limit				

Int. Std.	In2306	Y_2243	Y_3600	Y_3774
Line	230.606 {446}	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**1826.4**	**2698.3**	**23917.**	**4791.1**
Stddev	5.6	2.4	99.	.2
%RSD	.30778	.08761	.41231	.00333
#1	1822.4	2696.6	23848.	4791.3
#2	1830.4	2699.9	23987.	4791.0

Sample Name: 480-18010-A-7-B@5 Acquired: 4/5/2012 18:17:03 Type: Unk
Method: ICAP1(v261) Mode: CONC Corr. Factor: 1.000000
User: MDM Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	B_2089	Ba4554-2	Be3130	Ca3179	Cd2288	Co2286
Line	328.068 {103}	308.215 {109}	189.042 {478}	208.959 {461}	455.403 { 74}2	313.042 {108}	317.933 {106}	228.802 {447}	228.616 {447}
IS Ref	(Y_3600)	(Y_3774)	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3774)	(Y_3774)	(Y_2243)	(In2306)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00110**	**.03456**	**.00193**	**.01812**	**.00785**	**.00005**	**86.908**	**.00027**	**.00131**
Stddev	.00156	.00732	.00416	.00007	.00004	.00008	.432	.00019	.00002
%RSD	142.40	21.165	215.24	.36420	.51326	161.61	.49678	71.107	1.4500
#1	.00001	.03974	-.00101	.01808	.00783	.00011	87.214	.00040	.00130
#2	-.00220	.02939	.00488	.01817	.00788	-.00001	86.603	.00013	.00132
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Cr2677	Cu3247	Fe2599	K_7664	K_7664-2	Li6707	Mg2790	Mn2576	Mo2020
Line	267.716 {126}	324.754 {104}	259.940 {130}	766.490 { 44}	766.490 { 44}2	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}
IS Ref	(Y_3600)	(Y_3600)	(Y_3774)	(Y_3774)	(Y_3774)	(Y_3774)	(Y_3600)	(Y_3600)	(Y_2243)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00344**	**.00111**	**.79755**	**.30404**	**.32339**	**.00403**	**60.947**	**1.0563**	**.00151**
Stddev	.00019	.00022	.00140	.00969	.00081	.00149	.063	.0045	.00060
%RSD	5.4301	20.015	.17553	3.1879	.25000	36.978	.10319	.42950	39.623
#1	.00330	.00096	.79854	.31090	.32396	.00297	60.903	1.0531	.00193
#2	.00357	.00127	.79656	.29719	.32281	.00508	60.992	1.0595	.00108
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Na5895	Ni2316	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899	Sr4077
Line	589.592 { 57}	231.604 {446}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}2	189.989 {477}	407.771 { 83}
IS Ref	(Y_3774)	(In2306)	(In2306)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3774)	(In2306)	(Y_3774)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**16.400**	**.00608**	**.00537**	F **71.31**	**.00293**	**.00107**	**1.9439**	**-.00009**	**.34205**
Stddev	.025	.00046	.00179	.41	.00044	.00404	.0098	.00004	.00037
%RSD	.15315	7.6442	33.262	.5688	15.159	377.57	.50357	41.011	.10903
#1	16.417	.00575	.00411	71.60	.00324	.00393	1.9508	-.00012	.34232
#2	16.382	.00641	.00663	71.02	.00262	-.00179	1.9370	-.00006	.34179
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				25.00					
Low Limit				-.0100					

Elem	Ti3349	Tl1908	V_2924	Zn2062
Line	334.904 {101}	190.856 {477}	292.402 {115}	206.200 {163}
IS Ref	(Y_3600)	(In2306)	(Y_3600)	(Y_3600)
Units	ppm	ppm	ppm	ppm
Avg	**.00087**	**-.00103**	**.00102**	**.00200**
Stddev	.00090	.00328	.00050	.00092
%RSD	103.58	319.92	49.023	46.131
#1	.00151	.00130	.00137	.00265
#2	.00023	-.00335	.00067	.00135
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				
Low Limit				

Int. Std.	In2306	Y_2243	Y_3600	Y_3774
Line	230.606 {446}	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**1866.2**	**2707.4**	**24154.**	**4743.1**
Stddev	1.6	4.0	2.	7.5
%RSD	.08384	.14938	.00852	.15722
#1	1865.0	2704.6	24152.	4748.4
#2	1867.3	2710.3	24155.	4737.8

Sample Name: 480-18010-A-8-B@5 Acquired: 4/5/2012 18:19:22 Type: Unk
Method: ICAP1(v261) Mode: CONC Corr. Factor: 1.000000
User: MDM Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	B_2089	Ba4554-2	Be3130	Ca3179	Cd2288	Co2286
Line	328.068 {103}	308.215 {109}	189.042 {478}	208.959 {461}	455.403 { 74}2	313.042 {108}	317.933 {106}	228.802 {447}	228.616 {447}
IS Ref	(Y_3600)	(Y_3774)	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3774)	(Y_3774)	(Y_2243)	(In2306)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00106**	**.03909**	**.00038**	**.01766**	**.00768**	**.00026**	**84.182**	**.00036**	**.00112**
Stddev	.00003	.04676	.00004	.00001	.00002	.00008	1.105	.00011	.00034
%RSD	2.3927	119.63	10.444	.07988	.25314	28.810	1.3128	30.363	30.046
#1	-.00107	.00602	.00040	.01767	.00769	.00032	83.401	.00028	.00136
#2	-.00104	.07216	.00035	.01765	.00766	.00021	84.964	.00044	.00088
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Cr2677	Cu3247	Fe2599	K_7664	K_7664-2	Li6707	Mg2790	Mn2576	Mo2020
Line	267.716 {126}	324.754 {104}	259.940 {130}	766.490 { 44}	766.490 { 44}2	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}
IS Ref	(Y_3600)	(Y_3600)	(Y_3774)	(Y_3774)	(Y_3774)	(Y_3774)	(Y_3600)	(Y_3600)	(Y_2243)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00230**	**.00160**	**.69894**	**.28968**	**.31010**	**.00426**	**60.152**	**1.0476**	**.00159**
Stddev	.00092	.00010	.00574	.02454	.00119	.00056	.085	.0029	.00008
%RSD	40.080	6.3836	.82179	8.4714	.38349	13.139	.14184	.27885	5.0809
#1	.00295	.00153	.69488	.30704	.30926	.00466	60.092	1.0455	.00164
#2	.00165	.00167	.70300	.27233	.31094	.00387	60.212	1.0497	.00153
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Na5895	Ni2316	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899	Sr4077
Line	589.592 { 57}	231.604 {446}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}2	189.989 {477}	407.771 { 83}
IS Ref	(Y_3774)	(In2306)	(In2306)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3774)	(In2306)	(Y_3774)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**16.259**	**.00594**	**.00263**	F **70.79**	**.00089**	**-.00416**	**1.8467**	**-.00054**	**.33184**
Stddev	.167	.00071	.00088	.29	.00131	.00331	.0389	.00046	.00199
%RSD	1.0249	11.895	33.535	.4113	146.72	79.520	2.1085	85.100	.59889
#1	16.141	.00644	.00326	70.99	-.00003	-.00650	1.8192	-.00087	.33043
#2	16.377	.00544	.00201	70.58	.00182	-.00182	1.8742	-.00022	.33324
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				25.00					
Low Limit				-.0100					

Elem	Ti3349	Tl1908	V_2924	Zn2062
Line	334.904 {101}	190.856 {477}	292.402 {115}	206.200 {163}
IS Ref	(Y_3600)	(In2306)	(Y_3600)	(Y_3600)
Units	ppm	ppm	ppm	ppm
Avg	**.00032**	**-.00029**	**.00092**	**.00188**
Stddev	.00010	.00315	.00070	.00011
%RSD	30.249	1100.6	76.051	5.8630
#1	.00025	.00194	.00042	.00196
#2	.00039	-.00252	.00141	.00180
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				
Low Limit				

Int. Std.	In2306	Y_2243	Y_3600	Y_3774
Line	230.606 {446}	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**1867.5**	**2717.7**	**24244.**	**4761.7**
Stddev	.1	3.8	79.	6.4
%RSD	.00566	.13986	.32593	.13485
#1	1867.6	2720.4	24300.	4766.2
#2	1867.4	2715.0	24188.	4757.2

Sample Name: 480-18010-A-9-B@5 Acquired: 4/5/2012 18:21:40 Type: Unk
Method: ICAP1(v261) Mode: CONC Corr. Factor: 1.000000
User: MDM Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	B_2089	Ba4554-2	Be3130	Ca3179	Cd2288	Co2286
Line	328.068 {103}	308.215 {109}	189.042 {478}	208.959 {461}	455.403 { 74}2	313.042 {108}	317.933 {106}	228.802 {447}	228.616 {447}
IS Ref	(Y_3600)	(Y_3774)	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3774)	(Y_3774)	(Y_2243)	(In2306)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00048**	**.07328**	**-.00061**	**.01327**	**.00337**	**.00005**	**76.802**	**.00038**	**.00033**
Stddev	.00142	.05760	.00311	.00029	.00001	.00005	.121	.00006	.00006
%RSD	294.19	78.605	509.81	2.1843	.28238	93.377	.15710	16.257	16.946
#1	-.00148	.03255	-.00281	.01307	.00337	.00008	76.717	.00034	.00029
#2	.00052	.11401	.00159	.01348	.00338	.00002	76.887	.00043	.00037
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Cr2677	Cu3247	Fe2599	K_7664	K_7664-2	Li6707	Mg2790	Mn2576	Mo2020
Line	267.716 {126}	324.754 {104}	259.940 {130}	766.490 { 44}	766.490 { 44}2	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}
IS Ref	(Y_3600)	(Y_3600)	(Y_3774)	(Y_3774)	(Y_3774)	(Y_3774)	(Y_3600)	(Y_3600)	(Y_2243)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00260**	**.00392**	**.12906**	**.23212**	**.25528**	**.00376**	**77.630**	**.88672**	**.00065**
Stddev	.00008	.00034	.01011	.02438	.00077	.00136	.081	.00044	.00003
%RSD	3.0558	8.6958	7.8301	10.502	.30012	36.194	.10407	.05006	4.9540
#1	.00265	.00368	.13621	.21489	.25474	.00280	77.572	.88640	.00063
#2	.00254	.00416	.12192	.24936	.25583	.00472	77.687	.88703	.00067
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Na5895	Ni2316	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899	Sr4077
Line	589.592 { 57}	231.604 {446}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}2	189.989 {477}	407.771 { 83}
IS Ref	(Y_3774)	(In2306)	(In2306)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3774)	(In2306)	(Y_3774)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**16.501**	**.00416**	**.00085**	F **113.9**	**-.00018**	**-.00442**	**1.7359**	**-.00008**	**.31596**
Stddev	.017	.00017	.00083	.4	.00036	.00444	.0480	.00041	.00002
%RSD	.10581	4.0009	97.821	.3637	203.38	100.40	2.7628	515.16	.00681
#1	16.513	.00428	.00144	114.2	.00008	-.00128	1.7698	-.00037	.31595
#2	16.489	.00405	.00026	113.6	-.00043	-.00756	1.7019	.00021	.31598
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				25.00					
Low Limit				-.0100					

Elem	Ti3349	Tl1908	V_2924	Zn2062
Line	334.904 {101}	190.856 {477}	292.402 {115}	206.200 {163}
IS Ref	(Y_3600)	(In2306)	(Y_3600)	(Y_3600)
Units	ppm	ppm	ppm	ppm
Avg	**.00164**	**-.00223**	**.00154**	**.00092**
Stddev	.00035	.00162	.00027	.00000
%RSD	21.301	72.481	17.706	.46933
#1	.00139	-.00338	.00134	.00093
#2	.00189	-.00109	.00173	.00092
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				
Low Limit				

Int. Std.	In2306	Y_2243	Y_3600	Y_3774
Line	230.606 {446}	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**1864.8**	**2709.0**	**24136.**	**4730.0**
Stddev	.3	1.1	174.	6.4
%RSD	.01874	.04081	.71908	.13633
#1	1865.0	2708.2	24258.	4734.6
#2	1864.5	2709.8	24013.	4725.5

Sample Name: 480-17999-C-23-A@5 Acquired: 4/5/2012 18:23:59 Type: Unk
Method: ICAP1(v261) Mode: CONC Corr. Factor: 1.000000
User: MDM Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	B_2089	Ba4554-2	Be3130	Ca3179	Cd2288	Co2286
Line	328.068 {103}	308.215 {109}	189.042 {478}	208.959 {461}	455.403 { 74}2	313.042 {108}	317.933 {106}	228.802 {447}	228.616 {447}
IS Ref	(Y_3600)	(Y_3774)	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3774)	(Y_3774)	(Y_2243)	(In2306)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00232**	**.36436**	**.00458**	**.02550**	**.01080**	**.00040**	**7.8183**	**.00028**	**.01920**
Stddev	.00061	.01231	.00451	.00020	.00001	.00011	.0274	.00034	.00010
%RSD	26.558	3.3787	98.504	.79945	.10217	26.756	.35045	119.81	.53386
#1	-.00275	.35566	.00139	.02564	.01081	.00048	7.8377	.00052	.01927
#2	-.00188	.37307	.00776	.02535	.01079	.00033	7.7989	.00004	.01913
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Cr2677	Cu3247	Fe2714	K_7664	K_7664-2	Li6707	Mg2790	Mn2576	Mo2020
Line	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}	766.490 { 44}2	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}
IS Ref	(Y_3600)	(Y_3600)	(Y_3774)	(Y_3774)	(Y_3774)	(Y_3774)	(Y_3600)	(Y_3600)	(Y_2243)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00546**	**.00596**	**149.38**	**23.860**	**23.178**	**.00031**	**5.0923**	**.19826**	**.00816**
Stddev	.00028	.00026	1.05	.008	.282	.00068	.0106	.00002	.00004
%RSD	5.1228	4.4362	.70506	.03219	1.2183	223.49	.20871	.00998	.53259
#1	.00526	.00614	150.13	23.866	23.377	-.00018	5.0848	.19827	.00819
#2	.00565	.00577	148.64	23.855	22.978	.00079	5.0998	.19824	.00813
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Na5895	Ni2316	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899	Sr4077
Line	589.592 { 57}	231.604 {446}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}2	189.989 {477}	407.771 { 83}
IS Ref	(Y_3774)	(In2306)	(In2306)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3774)	(In2306)	(Y_3774)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**36.729**	**.02754**	**.00629**	**21.53**	**-.00340**	**.00256**	**2.8565**	**.00431**	**.02790**
Stddev	.011	.00002	.00037	.12	.00203	.00521	.0024	.00045	.00007
%RSD	.02975	.06393	5.9488	.5338	59.637	203.89	.08263	10.356	.24919
#1	36.737	.02755	.00602	21.62	-.00483	.00624	2.8548	.00463	.02795
#2	36.721	.02752	.00655	21.45	-.00197	-.00113	2.8581	.00399	.02785
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Ti3349	Tl1908	V_2924	Zn2062
Line	334.904 {101}	190.856 {477}	292.402 {115}	206.200 {163}
IS Ref	(Y_3600)	(In2306)	(Y_3600)	(Y_3600)
Units	ppm	ppm	ppm	ppm
Avg	**.00875**	**-.00286**	**.01641**	**.03585**
Stddev	.00022	.00234	.00110	.00057
%RSD	2.5091	81.736	6.6891	1.6016
#1	.00890	-.00121	.01564	.03544
#2	.00859	-.00451	.01719	.03625
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				
Low Limit				

Int. Std.	In2306	Y_2243	Y_3600	Y_3774
Line	230.606 {446}	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**1916.9**	**2742.1**	**24577.**	**4804.4**
Stddev	.9	9.9	74.	57.2
%RSD	.04466	.36119	.30264	1.1898
#1	1916.3	2749.1	24524.	4764.0
#2	1917.5	2735.1	24629.	4844.8

Sample Name: 480-17990-E-7-A Acquired: 4/5/2012 18:26:21 Type: Unk
Method: ICAP1(v261) Mode: CONC Corr. Factor: 1.000000
User: MDM Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	B_2089	Ba4554-2	Be3130	Ca3179	Cd2288	Co2286
Line	328.068 {103}	308.215 {109}	189.042 {478}	208.959 {461}	455.403 { 74}2	313.042 {108}	317.933 {106}	228.802 {447}	228.616 {447}
IS Ref	(Y_3600)	(Y_3774)	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3774)	(Y_3774)	(Y_2243)	(In2306)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00189**	**.06210**	**.00442**	**2.0110**	**.03113**	**-.00002**	**15.931**	**.00017**	**.00022**
Stddev	.00045	.00936	.00024	.0098	.00020	.00015	.116	.00007	.00009
%RSD	23.914	15.076	5.4824	.48527	.62993	817.64	.72848	38.935	41.121
#1	-.00157	.05548	.00425	2.0179	.03099	.00009	15.849	.00013	.00028
#2	-.00221	.06872	.00459	2.0041	.03127	-.00012	16.013	.00022	.00016
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Cr2677	Cu3247	Fe2599	K_7664	K_7664-2	Li6707	Mg2790	Mn2576	Mo2020
Line	267.716 {126}	324.754 {104}	259.940 {130}	766.490 { 44}	766.490 { 44}2	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}
IS Ref	(Y_3600)	(Y_3600)	(Y_3774)	(Y_3774)	(Y_3774)	(Y_3774)	(Y_3600)	(Y_3600)	(Y_2243)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00053**	**.00110**	**1.3571**	**3.4640**	**3.8234**	**.01757**	**4.9998**	**.01065**	**.01863**
Stddev	.00053	.00051	.0016	.0317	.0545	.00069	.0609	.00006	.00036
%RSD	99.813	46.688	.11635	.91627	1.4245	3.9374	1.2187	.56430	1.9526
#1	.00091	.00074	1.3582	3.4865	3.7849	.01806	4.9567	.01060	.01889
#2	.00016	.00146	1.3560	3.4416	3.8619	.01708	5.0428	.01069	.01837
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Na8183	Ni2316	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899	Sr4077
Line	818.326 { 41}	231.604 {446}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}2	189.989 {477}	407.771 { 83}
IS Ref	(Y_3774)	(In2306)	(In2306)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3774)	(In2306)	(Y_3774)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**72.933**	**.00038**	**.00200**	**.0490**	**-.00090**	**-.00551**	**4.2009**	**-.00087**	**.64430**
Stddev	.133	.00107	.00034	.0002	.00063	.00484	.0105	.00006	.00174
%RSD	.18244	284.52	17.195	.4732	69.663	87.810	.25079	6.8023	.26935
#1	72.839	-.00038	.00225	.0492	-.00134	-.00894	4.2083	-.00091	.64307
#2	73.027	.00113	.00176	.0488	-.00046	-.00209	4.1934	-.00083	.64553
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Ti3349	Tl1908	V_2924	Zn2062
Line	334.904 {101}	190.856 {477}	292.402 {115}	206.200 {163}
IS Ref	(Y_3600)	(In2306)	(Y_3600)	(Y_3600)
Units	ppm	ppm	ppm	ppm
Avg	**.00029**	**.00086**	**-.00028**	**.00091**
Stddev	.00106	.00119	.00051	.00031
%RSD	370.47	137.58	181.90	33.570
#1	.00104	.00170	-.00064	.00070
#2	-.00047	.00002	.00008	.00113
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				
Low Limit				

Int. Std.	In2306	Y_2243	Y_3600	Y_3774
Line	230.606 {446}	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**1926.0**	**2770.5**	**24530.**	**4805.1**
Stddev	1.3	1.9	219.	39.9
%RSD	.06599	.06783	.89336	.83004
#1	1925.1	2769.1	24685.	4833.3
#2	1926.9	2771.8	24375.	4776.9

Sample Name: 480-17990-E-7-A@5 Acquired: 4/5/2012 18:28:40 Type: Unk
Method: ICAP1(v261) Mode: CONC Corr. Factor: 1.000000
User: MDM Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	B_2089	Ba4554-2	Be3130	Ca3179	Cd2288	Co2286
Line	328.068 {103}	308.215 {109}	189.042 {478}	208.959 {461}	455.403 { 74}2	313.042 {108}	317.933 {106}	228.802 {447}	228.616 {447}
IS Ref	(Y_3600)	(Y_3774)	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3774)	(Y_3774)	(Y_2243)	(In2306)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00071**	**.00875**	**.00137**	**.39648**	**.00630**	**.00010**	**3.1913**	**.00001**	**.00006**
Stddev	.00026	.01503	.00063	.00154	.00005	.00000	.0170	.00003	.00028
%RSD	36.544	171.78	45.908	.38801	.81256	.42073	.53122	326.37	493.03
#1	-.00052	.01938	.00093	.39757	.00634	.00010	3.1793	-.00001	.00026
#2	-.00089	-.00188	.00182	.39539	.00626	.00010	3.2033	.00003	-.00014
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Cr2677	Cu3247	Fe2599	K_7664	K_7664-2	Li6707	Mg2790	Mn2576	Mo2020
Line	267.716 {126}	324.754 {104}	259.940 {130}	766.490 { 44}	766.490 { 44}2	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}
IS Ref	(Y_3600)	(Y_3600)	(Y_3774)	(Y_3774)	(Y_3774)	(Y_3774)	(Y_3600)	(Y_3600)	(Y_2243)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00012**	**.00089**	**.27368**	**.67008**	**.60787**	**.00320**	**1.0002**	**.00234**	**.00372**
Stddev	.00023	.00003	.00478	.02198	.00123	.00048	.0153	.00009	.00016
%RSD	193.70	3.3861	1.7464	3.2799	.20272	14.992	1.5246	3.9271	4.4015
#1	.00004	.00091	.27030	.68562	.60874	.00286	1.0110	.00227	.00383
#2	-.00029	.00087	.27706	.65453	.60700	.00354	.98942	.00240	.00360
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Na5895	Ni2316	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899	Sr4077
Line	589.592 { 57}	231.604 {446}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}2	189.989 {477}	407.771 { 83}
IS Ref	(Y_3774)	(In2306)	(In2306)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3774)	(In2306)	(Y_3774)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**14.257**	**.00016**	**.00188**	**.0006**	**.00157**	**-.00006**	**.86848**	**-.00109**	**.12930**
Stddev	.065	.00059	.00125	.0034	.00054	.00703	.01146	.00012	.00052
%RSD	.45480	375.09	66.093	560.9	34.241	11022.	1.3197	11.216	.40420
#1	14.211	.00058	.00276	.0030	.00119	.00490	.87659	-.00117	.12893
#2	14.302	-.00026	.00100	-.0018	.00195	-.00503	.86038	-.00100	.12967
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Ti3349	Tl1908	V_2924	Zn2062
Line	334.904 {101}	190.856 {477}	292.402 {115}	206.200 {163}
IS Ref	(Y_3600)	(In2306)	(Y_3600)	(Y_3600)
Units	ppm	ppm	ppm	ppm
Avg	**-.00063**	**.00007**	**-.00058**	**-.00105**
Stddev	.00001	.00089	.00025	.00087
%RSD	2.0474	1273.9	43.722	82.453
#1	-.00062	-.00056	-.00040	-.00044
#2	-.00064	.00070	-.00076	-.00166
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				
Low Limit				

Int. Std.	In2306	Y_2243	Y_3600	Y_3774
Line	230.606 {446}	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**2003.8**	**2798.9**	**24956.**	**4780.0**
Stddev	2.2	4.1	91.	4.0
%RSD	.10836	.14518	.36500	.08390
#1	2002.2	2796.0	24892.	4782.9
#2	2005.3	2801.8	25021.	4777.2

Sample Name: 480-17990-7 TOT RAW Acquired: 4/5/2012 18:31:02 Type: Unk
Method: ICAP1(v261) Mode: CONC Corr. Factor: 1.000000
User: MDM Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	B_2089	Ba4554-2	Be3130	Ca3179	Cd2288	Co2286
Line	328.068 {103}	308.215 {109}	189.042 {478}	208.959 {461}	455.403 { 74}2	313.042 {108}	317.933 {106}	228.802 {447}	228.616 {447}
IS Ref	(Y_3600)	(Y_3774)	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3774)	(Y_3774)	(Y_2243)	(In2306)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00165**	**.03499**	**.00225**	**2.1117**	**.03120**	**.00017**	**16.659**	**-.00017**	**.00044**
Stddev	.00013	.01366	.00217	.0096	.00007	.00017	.090	.00012	.00005
%RSD	8.0496	39.044	96.639	.45390	.21259	97.405	.54288	72.188	11.820
#1	-.00155	.04465	.00071	2.1185	.03115	.00029	16.723	-.00008	.00047
#2	-.00174	.02533	.00378	2.1049	.03125	.00005	16.595	-.00025	.00040
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Cr2677	Cu3247	Fe2599	K_7664	K_7664-2	Li6707	Mg2790	Mn2576	Mo2020
Line	267.716 {126}	324.754 {104}	259.940 {130}	766.490 { 44}	766.490 { 44}2	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}
IS Ref	(Y_3600)	(Y_3600)	(Y_3774)	(Y_3774)	(Y_3774)	(Y_3774)	(Y_3600)	(Y_3600)	(Y_2243)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00050**	**.00096**	**1.3615**	**3.5343**	**4.4763**	**.01717**	**5.2905**	**.01075**	**.01575**
Stddev	.00019	.00029	.0210	.0349	.0278	.00027	.0139	.00003	.00013
%RSD	39.047	30.328	1.5395	.98817	.62111	1.5602	.26207	.24424	.81681
#1	.00064	.00075	1.3764	3.5590	4.4960	.01698	5.2807	.01077	.01566
#2	.00036	.00117	1.3467	3.5096	4.4567	.01736	5.3003	.01073	.01584
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Na8183	Ni2316	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899	Sr4077
Line	818.326 { 41}	231.604 {446}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}2	189.989 {477}	407.771 { 83}
IS Ref	(Y_3774)	(In2306)	(In2306)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3774)	(In2306)	(Y_3774)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**74.431**	**.00036**	**.00509**	**.0350**	**.00160**	**-.00151**	**4.4327**	**-.00068**	**.65440**
Stddev	.032	.00002	.00051	.0007	.00125	.00350	.0546	.00081	.00009
%RSD	.04233	5.5388	10.092	2.014	78.168	231.17	1.2327	118.84	.01418
#1	74.454	.00038	.00473	.0345	.00071	-.00398	4.4713	-.00011	.65433
#2	74.409	.00035	.00545	.0355	.00248	.00096	4.3941	-.00125	.65446
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Ti3349	Tl1908	V_2924	Zn2062
Line	334.904 {101}	190.856 {477}	292.402 {115}	206.200 {163}
IS Ref	(Y_3600)	(In2306)	(Y_3600)	(Y_3600)
Units	ppm	ppm	ppm	ppm
Avg	**-.00006**	**.00035**	**-.00042**	**-.00073**
Stddev	.00002	.00272	.00017	.00036
%RSD	27.819	769.32	40.905	49.452
#1	-.00005	-.00157	-.00030	-.00048
#2	-.00008	.00228	-.00054	-.00099
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				
Low Limit				

Int. Std.	In2306	Y_2243	Y_3600	Y_3774
Line	230.606 {446}	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**1999.0**	**2913.3**	**25500.**	**4915.0**
Stddev	11.2	6.6	48.	26.5
%RSD	.55848	.22624	.18882	.53999
#1	2006.9	2918.0	25534.	4896.2
#2	1991.1	2908.7	25466.	4933.8

Sample Name: CCV Acquired: 4/5/2012 18:33:26 Type: QC
Method: ICAP1(v261) Mode: CONC Corr. Factor: 1.000000
User: MDM Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	B_2089	Ba4554	Be3130	Ca3179	Cd2288	Co2286	Cr2677	Cu3247	Fe2599	K_7664
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.49462**	**24.782**	**.49213**	**.49119**	**.51323**	**.49832**	**24.603**	**.49744**	**.48108**	**.49442**	**.49238**	**25.056**	**24.814**
Stddev	.00051	.152	.00230	.00091	.00239	.00023	.216	.00093	.00028	.00123	.00503	.109	.040
%RSD	.10244	.61374	.46688	.18591	.46550	.04663	.87811	.18676	.05822	.24867	1.0210	.43675	.15959
#1	.49498	24.675	.49051	.49183	.51492	.49848	24.450	.49810	.48128	.49529	.49593	24.979	24.842
#2	.49426	24.890	.49376	.49054	.51154	.49815	24.755	.49678	.48089	.49356	.48882	25.133	24.786
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value													
Range													

Elem	K_7664-2	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**25.048**	**.49428**	**24.975**	**.50844**	**.49795**	**24.693**	**.48883**	**.49098**	**25.24**	**.50312**	**.50514**	**23.933**	**.50276**
Stddev	.252	.00187	.077	.00136	.00197	.031	.00047	.00175	.05	.00426	.00075	.206	.00079
%RSD	1.0073	.37735	.30854	.26745	.39520	.12420	.09649	.35694	.1846	.84625	.14922	.86022	.15756
#1	24.870	.49296	25.029	.50940	.49934	24.671	.48917	.49222	25.28	.50011	.50460	23.788	.50332
#2	25.227	.49560	24.920	.50748	.49656	24.715	.48850	.48974	25.21	.50613	.50567	24.079	.50220
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value													
Range													

Elem	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm
Avg	**.49640**	**.49952**	**.49413**	**.49077**	**.49011**
Stddev	.00145	.00347	.00118	.00554	.00406
%RSD	.29149	.69396	.23852	1.1292	.82935
#1	.49743	.50197	.49496	.49469	.49298
#2	.49538	.49707	.49330	.48685	.48723
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value					
Range					

Int. Std.	In2306	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**1893.0**	**2768.1**	**24396.**	**4813.6**
Stddev	3.0	4.2	2.	37.3
%RSD	.15815	.15275	.00738	.77407
#1	1890.9	2765.1	24395.	4839.9
#2	1895.1	2771.1	24398.	4787.2

Sample Name: CCB Acquired: 4/5/2012 18:35:43 Type: QC
Method: ICAP1(v261) Mode: CONC Corr. Factor: 1.000000
User: MDM Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	B_2089	Ba4554-2	Be3130	Ca3179	Cd2288	Co2286	Cr2677	Cu3247	Fe2599	K_7664
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00138**	**.04153**	**.00028**	**.00341**	**.00004**	**.00010**	**-.00082**	**-.00008**	**.00017**	**.00081**	**.00000**	**-.00293**	**.01929**
Stddev	.00080	.00529	.00314	.00019	.00001	.00004	.01136	.00007	.00012	.00029	.00005	.00391	.00609
%RSD	58.042	12.729	1123.9	5.5777	24.301	40.796	1385.6	80.199	68.683	35.615	3753.9	133.32	31.545
#1	-.00081	.03779	-.00194	.00354	.00005	.00013	.00721	-.00004	.00009	.00061	.00003	-.00017	.02360
#2	-.00195	.04526	.00250	.00327	.00004	.00007	-.00885	-.00013	.00025	.00102	-.00003	-.00570	.01499
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit													
Low Limit													

Elem	K_7664-2	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00161**	**-.00061**	**.00240**	**-.00001**	**.00016**	**.02618**	**.00011**	**.00198**	**-.0008**	**.00399**	**-.00394**	**.00600**	**-.00009**
Stddev	.00030	.00128	.00394	.00001	.00020	.00434	.00077	.00100	.0022	.00090	.00143	.02385	.00017
%RSD	18.469	208.68	163.79	110.55	126.22	16.564	731.92	50.492	269.5	22.432	36.305	397.66	188.18
#1	.00140	-.00152	-.00038	.00000	.00030	.02925	.00065	.00269	-.0024	.00463	-.00495	.02287	-.00021
#2	.00182	.00029	.00519	-.00002	.00002	.02311	-.00044	.00127	.0007	.00336	-.00293	-.01087	.00003
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit													
Low Limit													

Elem	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm
Avg	**-.00005**	**.00014**	**.00146**	**-.00046**	**-.00121**
Stddev	.00021	.00033	.00016	.00025	.00147
%RSD	385.83	242.46	10.636	55.819	120.97
#1	-.00020	.00037	.00135	-.00064	-.00018
#2	.00009	-.00010	.00157	-.00028	-.00225
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Int. Std.	In2306	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**2029.5**	**2798.5**	**25202.**	**4760.4**
Stddev	.7	.6	42.	38.3
%RSD	.03502	.02172	.16836	.80525
#1	2029.0	2798.9	25232.	4733.3
#2	2030.0	2798.1	25172.	4787.5

Sample Name: 480-17969-4 TOT RAW Acquired: 4/5/2012 18:38:08 Type: Unk
Method: ICAP1(v261) Mode: CONC Corr. Factor: 1.000000
User: MDM Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	B_2089	Ba4554-2	Be3130	Ca3179	Cd2288	Co2286
Line	328.068 {103}	308.215 {109}	189.042 {478}	208.959 {461}	455.403 { 74}2	313.042 {108}	317.933 {106}	228.802 {447}	228.616 {447}
IS Ref	(Y_3600)	(Y_3774)	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3774)	(Y_3774)	(Y_2243)	(In2306)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00165**	**.03617**	**.00400**	**.02390**	**.23284**	**.00026**	**147.69**	**.00324**	**.01043**
Stddev	.00001	.01348	.00097	.00067	.00036	.00000	.08	.00004	.00004
%RSD	.88111	37.270	24.168	2.8138	.15428	.91638	.05521	1.1972	.38593
#1	-.00164	.04570	.00468	.02438	.23310	.00027	147.75	.00321	.01041
#2	-.00167	.02664	.00332	.02343	.23259	.00026	147.64	.00327	.01046
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Cr2677	Cu3247	Fe2599	K_7664	K_7664-2	Li6707	Mg2790	Mn2576	Mo2020
Line	267.716 {126}	324.754 {104}	259.940 {130}	766.490 { 44}	766.490 { 44}2	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}
IS Ref	(Y_3600)	(Y_3600)	(Y_3774)	(Y_3774)	(Y_3774)	(Y_3774)	(Y_3600)	(Y_3600)	(Y_2243)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00185**	**.72233**	**37.732**	**3.0368**	**3.8344**	**.00942**	**45.082**	**6.3231**	**-.00070**
Stddev	.00087	.00198	.091	.0319	.0096	.00013	.038	.0096	.00007
%RSD	47.071	.27383	.23996	1.0494	.24990	1.3918	.08334	.15219	10.242
#1	-.00123	.72373	37.668	3.0143	3.8412	.00951	45.109	6.3300	-.00065
#2	-.00246	.72093	37.796	3.0594	3.8276	.00933	45.055	6.3163	-.00075
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Na5895	Ni2316	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899	Sr4077
Line	589.592 { 57}	231.604 {446}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}2	189.989 {477}	407.771 { 83}
IS Ref	(Y_3774)	(In2306)	(In2306)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3774)	(In2306)	(Y_3774)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**13.469**	**.05225**	**.00822**	**4.941**	**-.00079**	**-.00232**	**30.432**	**-.00138**	**.60797**
Stddev	.030	.00052	.00003	.065	.00191	.00532	.582	.00034	.00117
%RSD	.22459	1.0040	.41741	1.310	240.64	229.44	1.9129	24.533	.19293
#1	13.491	.05188	.00824	4.987	.00056	-.00608	30.844	-.00162	.60880
#2	13.448	.05262	.00819	4.895	-.00215	.00144	30.020	-.00114	.60714
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Ti3349	Tl1908	V_2924	Zn2062
Line	334.904 {101}	190.856 {477}	292.402 {115}	206.200 {163}
IS Ref	(Y_3600)	(In2306)	(Y_3600)	(Y_3600)
Units	ppm	ppm	ppm	ppm
Avg	**.00115**	**-.00372**	**.00689**	**.32079**
Stddev	.00000	.00040	.00009	.00135
%RSD	.00130	10.859	1.3507	.41946
#1	.00115	-.00343	.00696	.31984
#2	.00115	-.00401	.00683	.32174
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				
Low Limit				

Int. Std.	In2306	Y_2243	Y_3600	Y_3774
Line	230.606 {446}	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**1925.6**	**2815.7**	**25112.**	**4961.2**
Stddev	5.0	4.7	64.	23.9
%RSD	.25847	.16596	.25639	.48271
#1	1929.1	2819.0	25157.	4978.1
#2	1922.1	2812.4	25066.	4944.2

Sample Name: 480-17969-5 TOT RAW Acquired: 4/5/2012 18:40:25 Type: Unk
Method: ICAP1(v261) Mode: CONC Corr. Factor: 1.000000
User: MDM Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	B_2089	Ba4554-2	Be3130	Ca3179	Cd2288	Co2286
Line	328.068 {103}	308.215 {109}	189.042 {478}	208.959 {461}	455.403 { 74}2	313.042 {108}	317.933 {106}	228.802 {447}	228.616 {447}
IS Ref	(Y_3600)	(Y_3774)	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3774)	(Y_3774)	(Y_2243)	(In2306)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00158**	**.00815**	**.00429**	**.02347**	**.23199**	**.00016**	**146.82**	**.00320**	**.01034**
Stddev	.00019	.02085	.00067	.00084	.00081	.00009	.25	.00007	.00004
%RSD	11.962	255.64	15.722	3.5616	.35016	59.298	.17021	2.2592	.35110
#1	-.00145	.02289	.00477	.02288	.23142	.00023	146.99	.00315	.01037
#2	-.00171	-.00659	.00381	.02406	.23257	.00009	146.64	.00325	.01031
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Cr2677	Cu3247	Fe2599	K_7664	K_7664-2	Li6707	Mg2790	Mn2576	Mo2020
Line	267.716 {126}	324.754 {104}	259.940 {130}	766.490 { 44}	766.490 { 44}2	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}
IS Ref	(Y_3600)	(Y_3600)	(Y_3774)	(Y_3774)	(Y_3774)	(Y_3774)	(Y_3600)	(Y_3600)	(Y_2243)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00191**	**.72979**	**37.592**	**3.0008**	**3.8204**	**.00831**	**44.615**	**6.2715**	**-.00085**
Stddev	.00053	.00417	.087	.0457	.0729	.00108	.052	.0073	.00004
%RSD	27.632	.57074	.23157	1.5228	1.9076	13.024	.11549	.11555	5.2126
#1	-.00228	.72685	37.530	3.0331	3.7688	.00907	44.579	6.2766	-.00088
#2	-.00153	.73274	37.653	2.9685	3.8719	.00754	44.652	6.2663	-.00082
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Na5895	Ni2316	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899	Sr4077
Line	589.592 { 57}	231.604 {446}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}2	189.989 {477}	407.771 { 83}
IS Ref	(Y_3774)	(In2306)	(In2306)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3774)	(In2306)	(Y_3774)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**13.523**	**.05280**	**.00508**	**4.935**	**.00128**	**.00014**	**29.468**	**-.00030**	**.61082**
Stddev	.080	.00015	.00057	.053	.00158	.00532	.602	.00054	.00493
%RSD	.59157	.27780	11.246	1.072	123.25	3780.5	2.0444	179.67	.80642
#1	13.579	.05269	.00467	4.972	.00016	-.00362	29.894	-.00068	.61430
#2	13.466	.05290	.00548	4.897	.00240	.00390	29.042	.00008	.60734
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Ti3349	Tl1908	V_2924	Zn2062
Line	334.904 {101}	190.856 {477}	292.402 {115}	206.200 {163}
IS Ref	(Y_3600)	(In2306)	(Y_3600)	(Y_3600)
Units	ppm	ppm	ppm	ppm
Avg	**.00162**	**-.00168**	**.00579**	**.31404**
Stddev	.00024	.00015	.00144	.00386
%RSD	14.941	8.6228	24.885	1.2305
#1	.00179	-.00179	.00477	.31677
#2	.00144	-.00158	.00681	.31131
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				
Low Limit				

Int. Std.	In2306	Y_2243	Y_3600	Y_3774
Line	230.606 {446}	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**1903.0**	**2795.4**	**24845.**	**4954.2**
Stddev	.1	2.9	62.	8.9
%RSD	.00739	.10283	.24889	.18004
#1	1902.9	2797.4	24801.	4960.5
#2	1903.1	2793.4	24889.	4947.9

Sample Name: 480-17974-2 TOT RAW Acquired: 4/5/2012 18:42:43 Type: Unk
Method: ICAP1(v261) Mode: CONC Corr. Factor: 1.000000
User: MDM Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	B_2089	Ba4554-2	Be3130	Ca3179	Cd2288	Co2286
Line	328.068 {103}	308.215 {109}	189.042 {478}	208.959 {461}	455.403 { 74}2	313.042 {108}	317.933 {106}	228.802 {447}	228.616 {447}
IS Ref	(Y_3600)	(Y_3774)	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3774)	(Y_3774)	(Y_2243)	(In2306)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00107**	**.03726**	**.00022**	**.03302**	**.00915**	**.00004**	**20.526**	**.00000**	**.00065**
Stddev	.00015	.00595	.00080	.00003	.00005	.00002	.118	.00010	.00020
%RSD	13.888	15.966	357.30	.08427	.54135	43.136	.57455	3370.7	31.066
#1	-.00117	.04146	.00079	.03300	.00911	.00005	20.609	.00008	.00079
#2	-.00096	.03305	-.00034	.03304	.00918	.00003	20.443	-.00007	.00051
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Cr2677	Cu3247	Fe2599	K_7664	K_7664-2	Li6707	Mg2790	Mn2576	Mo2020
Line	267.716 {126}	324.754 {104}	259.940 {130}	766.490 { 44}	766.490 { 44}2	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}
IS Ref	(Y_3600)	(Y_3600)	(Y_3774)	(Y_3774)	(Y_3774)	(Y_3774)	(Y_3600)	(Y_3600)	(Y_2243)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00245**	**.00698**	**3.7941**	**8.7709**	**10.180**	**.00230**	**5.7492**	**.20566**	**.00003**
Stddev	.00044	.00063	.0504	.0333	.113	.00157	.0457	.00056	.00030
%RSD	17.837	9.0832	1.3283	.37946	1.1070	68.300	.79416	.27307	920.34
#1	.00214	.00653	3.8298	8.7945	10.260	.00341	5.7169	.20526	.00024
#2	.00275	.00743	3.7585	8.7474	10.100	.00119	5.7815	.20605	-.00018
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Na8183	Ni2316	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899	Sr4077
Line	818.326 { 41}	231.604 {446}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}2	189.989 {477}	407.771 { 83}
IS Ref	(Y_3774)	(In2306)	(In2306)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3774)	(In2306)	(Y_3774)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**52.826**	**.00301**	**.00604**	**5.523**	**.00168**	**-.00653**	**4.2522**	**-.00097**	**.17257**
Stddev	.171	.00071	.00020	.069	.00030	.00256	.1269	.00013	.00049
%RSD	.32423	23.591	3.2546	1.254	17.674	39.148	2.9852	13.054	.28250
#1	52.947	.00351	.00590	5.572	.00147	-.00834	4.3419	-.00106	.17291
#2	52.704	.00250	.00618	5.474	.00189	-.00472	4.1624	-.00088	.17223
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Ti3349	Tl1908	V_2924	Zn2062
Line	334.904 {101}	190.856 {477}	292.402 {115}	206.200 {163}
IS Ref	(Y_3600)	(In2306)	(Y_3600)	(Y_3600)
Units	ppm	ppm	ppm	ppm
Avg	**.00021**	**.00283**	**.00003**	**.08453**
Stddev	.00090	.00036	.00105	.00057
%RSD	422.09	12.636	3370.4	.67392
#1	-.00042	.00258	-.00071	.08493
#2	.00085	.00308	.00077	.08413
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				
Low Limit				

Int. Std.	In2306	Y_2243	Y_3600	Y_3774
Line	230.606 {446}	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**1987.4**	**2867.2**	**25230.**	**4893.7**
Stddev	2.0	5.3	154.	10.1
%RSD	.10062	.18614	.60906	.20611
#1	1988.8	2871.0	25339.	4886.6
#2	1986.0	2863.4	25121.	4900.8

Sample Name: LB 480-58120/1-B Acquired: 4/5/2012 18:45:07 Type: Unk
Method: ICAP1(v261) Mode: CONC Corr. Factor: 1.000000
User: MDM Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	B_2089	Ba4554-2	Be3130	Ca3179	Cd2288	Co2286
Line	328.068 {103}	308.215 {109}	189.042 {478}	208.959 {461}	455.403 { 74}2	313.042 {108}	317.933 {106}	228.802 {447}	228.616 {447}
IS Ref	(Y_3600)	(Y_3774)	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3774)	(Y_3774)	(Y_2243)	(In2306)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00150**	**.01750**	**.00324**	F **.08843**	F **.02371**	**.00019**	F **.65005**	**.00033**	**.00089**
Stddev	.00034	.02859	.00069	.00043	.00003	.00023	.00925	.00007	.00001
%RSD	22.431	163.41	21.250	.48597	.13609	117.46	1.4232	19.763	1.4385
#1	-.00127	.03771	.00373	.08812	.02373	.00035	.64351	.00037	.00088
#2	-.00174	-.00272	.00276	.08873	.02369	.00003	.65660	.00028	.00090
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Fail	Chk Pass	Chk Fail	Chk Pass	Chk Pass
High Limit				.02000	.00200		.50000		
Low Limit				-.00800	-.00300		-.05000		

Elem	Cr2677	Cu3247	Fe2599	K_7664	K_7664-2	Li6707	Mg2790	Mn2576	Mo2020
Line	267.716 {126}	324.754 {104}	259.940 {130}	766.490 { 44}	766.490 { 44}2	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}
IS Ref	(Y_3600)	(Y_3600)	(Y_3774)	(Y_3774)	(Y_3774)	(Y_3774)	(Y_3600)	(Y_3600)	(Y_2243)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00259**	**.00254**	**.04472**	**.40853**	F **.69296**	**-.00058**	**.14376**	**.00060**	F **.00531**
Stddev	.00021	.00041	.01446	.00780	.00107	.00061	.00295	.00016	.00029
%RSD	8.1026	16.181	32.333	1.9086	.15440	105.50	2.0526	27.313	5.4356
#1	.00274	.00283	.03449	.41405	.69372	-.00101	.14167	.00072	.00552
#2	.00244	.00225	.05494	.40302	.69221	-.00015	.14584	.00049	.00511
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Fail
High Limit					.50000				.00462
Low Limit					-.50000				-.00500

Elem	Na8183	Ni2316	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899	Sr4077
Line	818.326 { 41}	231.604 {446}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}2	189.989 {477}	407.771 { 83}
IS Ref	(Y_3774)	(In2306)	(In2306)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3774)	(In2306)	(Y_3774)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F **1807.0**	**.00039**	**.00277**	F **.0353**	**.00093**	**.00033**	**.18142**	**.00132**	**.00470**
Stddev	5.0	.00001	.00020	.0002	.00187	.00252	.02291	.00032	.00009
%RSD	.27827	2.4697	7.1767	.5751	200.64	759.37	12.630	24.064	1.9443
#1	1803.5	.00040	.00263	.0354	-.00039	.00211	.16522	.00110	.00477
#2	1810.6	.00039	.00291	.0351	.00225	-.00145	.19762	.00155	.00464
Check ?	Chk Fail	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	1.0000			.0030					
Low Limit	-.50000			-.0040					

Elem	Ti3349	Tl1908	V_2924	Zn2062
Line	334.904 {101}	190.856 {477}	292.402 {115}	206.200 {163}
IS Ref	(Y_3600)	(In2306)	(Y_3600)	(Y_3600)
Units	ppm	ppm	ppm	ppm
Avg	**.00006**	**-.00464**	**.00006**	**.00562**
Stddev	.00024	.00186	.00015	.00087
%RSD	376.70	40.141	235.05	15.400
#1	-.00011	-.00333	-.00004	.00501
#2	.00024	-.00596	.00017	.00623
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				
Low Limit				

Int. Std.	In2306	Y_2243	Y_3600	Y_3774
Line	230.606 {446}	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**1537.8**	**2495.2**	**21080.**	**4676.0**
Stddev	4.8	6.3	44.	49.0
%RSD	.31305	.25288	.21074	1.0471
#1	1534.4	2490.7	21111.	4710.6
#2	1541.2	2499.6	21048.	4641.4

Sample Name: MB 480-58248/2-A Acquired: 4/5/2012 18:47:34 Type: Unk
Method: ICAP1(v261) Mode: CONC Corr. Factor: 1.000000
User: MDM Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	B_2089	Ba4554-2	Be3130	Ca3179	Cd2288	Co2286
Line	328.068 {103}	308.215 {109}	189.042 {478}	208.959 {461}	455.403 { 74}2	313.042 {108}	317.933 {106}	228.802 {447}	228.616 {447}
IS Ref	(Y_3600)	(Y_3774)	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3774)	(Y_3774)	(Y_2243)	(In2306)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00140**	**.02807**	**.00062**	**.00127**	**.00001**	**.00018**	**.00435**	**-.00006**	**.00021**
Stddev	.00073	.01461	.00126	.00001	.00003	.00012	.00172	.00000	.00011
%RSD	51.897	52.049	202.85	.71530	199.39	65.555	39.605	5.6315	49.910
#1	-.00089	.01774	.00151	.00127	-.00001	.00027	.00557	-.00006	.00029
#2	-.00192	.03840	-.00027	.00128	.00003	.00010	.00314	-.00006	.00014
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Cr2677	Cu3247	Fe2599	K_7664	K_7664-2	Li6707	Mg2790	Mn2576	Mo2020
Line	267.716 {126}	324.754 {104}	259.940 {130}	766.490 { 44}	766.490 { 44}2	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}
IS Ref	(Y_3600)	(Y_3600)	(Y_3774)	(Y_3774)	(Y_3774)	(Y_3774)	(Y_3600)	(Y_3600)	(Y_2243)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00039**	**.00014**	**.01836**	**.05570**	**.00203**	**-.00071**	**.00194**	**.00032**	**.00020**
Stddev	.00021	.00080	.00472	.00279	.00034	.00012	.00016	.00005	.00007
%RSD	54.199	589.55	25.732	5.0160	16.965	17.273	8.2705	15.939	33.556
#1	.00024	.00070	.01502	.05767	.00179	-.00080	.00205	.00036	.00015
#2	.00054	-.00043	.02170	.05372	.00227	-.00063	.00183	.00028	.00025
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Na5895	Ni2316	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899	Sr4077
Line	589.592 { 57}	231.604 {446}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}2	189.989 {477}	407.771 { 83}
IS Ref	(Y_3774)	(In2306)	(In2306)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3774)	(In2306)	(Y_3774)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.24082**	**-.00006**	**.00022**	**-.0014**	**.00228**	**-.00250**	**.07310**	**-.00101**	**-.00008**
Stddev	.04459	.00062	.00188	.0026	.00140	.00083	.00116	.00016	.00003
%RSD	18.515	966.30	852.15	179.9	61.494	33.090	1.5926	15.562	35.035
#1	.27235	-.00050	.00155	-.0033	.00327	-.00192	.07392	-.00113	-.00006
#2	.20929	.00038	-.00111	.0004	.00129	-.00309	.07227	-.00090	-.00010
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Ti3349	Tl1908	V_2924	Zn2062
Line	334.904 {101}	190.856 {477}	292.402 {115}	206.200 {163}
IS Ref	(Y_3600)	(In2306)	(Y_3600)	(Y_3600)
Units	ppm	ppm	ppm	ppm
Avg	**.00051**	**-.00113**	**-.00035**	**-.00069**
Stddev	.00095	.00155	.00007	.00012
%RSD	185.03	137.15	20.613	17.917
#1	.00119	-.00222	-.00040	-.00060
#2	-.00016	-.00003	-.00030	-.00078
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				
Low Limit				

Int. Std.	In2306	Y_2243	Y_3600	Y_3774
Line	230.606 {446}	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**2041.8**	**2833.9**	**25434.**	**4787.7**
Stddev	1.6	4.8	10.	18.2
%RSD	.08072	.17110	.03965	.37996
#1	2043.0	2830.5	25427.	4800.6
#2	2040.7	2837.4	25441.	4774.8

Sample Name: LCS 480-58248/3-A Acquired: 4/5/2012 18:49:57 Type: Unk
Method: ICAP1(v261) Mode: CONC Corr. Factor: 1.000000
User: MDM Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	B_2089	Ba4554	Be3130	Ca3179	Cd2288	Co2286
Line	328.068 {103}	308.215 {109}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	317.933 {106}	228.802 {447}	228.616 {447}
IS Ref	(Y_3600)	(Y_3774)	(Y_2243)	(Y_2243)	(Y_3774)	(Y_3774)	(Y_3774)	(Y_2243)	(In2306)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.1183**	**.06442**	**1.1127**	**.07708**	**1.0429**	**1.0161**	**.64792**	**1.0704**	**1.0473**
Stddev	.0092	.03519	.0077	.00088	.0049	.0085	.01576	.0039	.0021
%RSD	.82443	54.619	.69220	1.1471	.47390	.83718	2.4324	.36132	.19901
#1	1.1249	.03954	1.1181	.07646	1.0394	1.0101	.63678	1.0731	1.0488
#2	1.1118	.08930	1.1072	.07771	1.0464	1.0221	.65907	1.0677	1.0458
Check ?	Chk Pass	None	Chk Pass	None	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Cr2677	Cu3247	Fe2599	K_7664	K_7664-2	Li6707	Mg2790	Mn2576	Mo2020
Line	267.716 {126}	324.754 {104}	259.940 {130}	766.490 { 44}	766.490 { 44}2	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}
IS Ref	(Y_3600)	(Y_3600)	(Y_3774)	(Y_3774)	(Y_3774)	(Y_3774)	(Y_3600)	(Y_3600)	(Y_2243)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.0073**	**1.0381**	**.02555**	**.44670**	**.69110**	**-.00043**	**.13505**	**1.0198**	**1.0102**
Stddev	.0041	.0020	.00335	.04397	.01190	.00109	.00255	.0059	.0041
%RSD	.41148	.19485	13.120	9.8431	1.7226	254.06	1.8882	.58272	.40505
#1	1.0102	1.0395	.02792	.41561	.68269	.00034	.13324	1.0240	1.0131
#2	1.0043	1.0366	.02318	.47779	.69952	-.00120	.13685	1.0156	1.0073
Check ?	Chk Pass	Chk Pass	None	None	None	None	None	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Na8183	Ni2316	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899	Sr4077
Line	818.326 { 41}	231.604 {446}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}2	189.989 {477}	407.771 { 83}
IS Ref	(Y_3774)	(In2306)	(In2306)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3774)	(In2306)	(Y_3774)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1809.6**	**1.0390**	**1.0232**	F **.0300**	**1.0451**	**1.1113**	**.10765**	**.00152**	**.00466**
Stddev	11.3	.0045	.0078	.0035	.0097	.0055	.00989	.00048	.00006
%RSD	.62196	.42837	.76157	11.54	.92860	.49752	9.1862	31.547	1.3131
#1	1801.7	1.0421	1.0287	.0325	1.0520	1.1152	.11464	.00186	.00462
#2	1817.6	1.0358	1.0177	.0276	1.0383	1.1074	.10065	.00118	.00470
Check ?	None	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	None	None	None
High Limit				1.200					
Low Limit				.8000					

Elem	Ti3349	Tl1908	V_2924	Zn2062
Line	334.904 {101}	190.856 {477}	292.402 {115}	206.200 {163}
IS Ref	(Y_3600)	(In2306)	(Y_3600)	(Y_3600)
Units	ppm	ppm	ppm	ppm
Avg	**.00076**	**.96489**	**1.0023**	**1.1204**
Stddev	.00042	.00067	.0063	.0028
%RSD	54.806	.06923	.63361	.25125
#1	.00047	.96442	1.0068	1.1185
#2	.00106	.96536	.99782	1.1224
Check ?	None	Chk Pass	Chk Pass	Chk Pass
High Limit				
Low Limit				

Int. Std.	In2306	Y_2243	Y_3600	Y_3774
Line	230.606 {446}	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**1553.9**	**2512.3**	**21425.**	**4737.6**
Stddev	.2	3.6	134.	60.1
%RSD	.01203	.14189	.62496	1.2686
#1	1553.7	2509.7	21331.	4780.1
#2	1554.0	2514.8	21520.	4695.1

Sample Name: 480-17984-C-1-E Acquired: 4/5/2012 18:52:23 Type: Unk
Method: ICAP1(v261) Mode: CONC Corr. Factor: 1.000000
User: MDM Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	B_2089	Ba4554-2	Be3130	Ca3179	Cd2288	Co2286
Line	328.068 {103}	308.215 {109}	189.042 {478}	208.959 {461}	455.403 { 74}2	313.042 {108}	317.933 {106}	228.802 {447}	228.616 {447}
IS Ref	(Y_3600)	(Y_3774)	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3774)	(Y_3774)	(Y_2243)	(In2306)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00145**	**53.713**	**.00816**	**1.3852**	**.09117**	**.00040**	**422.06**	**.00310**	**.03037**
Stddev	.00073	.139	.00207	.0106	.00012	.00006	.80	.00038	.00095
%RSD	50.359	.25867	25.400	.76145	.13429	13.735	.18950	12.343	3.1359
#1	-.00197	53.615	.00669	1.3927	.09125	.00044	421.50	.00337	.03104
#2	-.00093	53.811	.00962	1.3778	.09108	.00036	422.63	.00283	.02969
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Cr2677	Cu3247	Fe2599	K_7664	K_7664-2	Li6707	Mg2790	Mn2576	Mo2020
Line	267.716 {126}	324.754 {104}	259.940 {130}	766.490 { 44}	766.490 { 44}2	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}
IS Ref	(Y_3600)	(Y_3600)	(Y_3774)	(Y_3774)	(Y_3774)	(Y_3774)	(Y_3600)	(Y_3600)	(Y_2243)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.14474**	**.07481**	**4.6579**	**1.3653**	**2.5996**	**.01073**	**47.903**	**7.5171**	**.00633**
Stddev	.00062	.00056	.0431	.0017	.0180	.00133	.029	.0049	.00002
%RSD	.42783	.74364	.92569	.12136	.69322	12.442	.06100	.06492	.33201
#1	.14431	.07520	4.6275	1.3664	2.6124	.00978	47.924	7.5205	.00635
#2	.14518	.07442	4.6884	1.3641	2.5869	.01167	47.882	7.5136	.00632
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Na8183	Ni2316	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899	Sr4077
Line	818.326 { 41}	231.604 {446}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}2	189.989 {477}	407.771 { 83}
IS Ref	(Y_3774)	(In2306)	(In2306)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3774)	(In2306)	(Y_3774)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1590.4**	**.72493**	**.01211**	F **99.77**	**.00206**	**-.00209**	**11.967**	**.00387**	**.28455**
Stddev	1.3	.00832	.00279	.29	.00256	.00431	.078	.00003	.00083
%RSD	.08271	1.1482	23.057	.2912	124.16	205.68	.65466	.81482	.29061
#1	1589.5	.73082	.01408	99.97	.00387	-.00514	11.912	.00384	.28397
#2	1591.3	.71905	.01014	99.56	.00025	.00095	12.023	.00389	.28514
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				25.00					
Low Limit				-.0100					

Elem	Ti3349	Tl1908	V_2924	Zn2062
Line	334.904 {101}	190.856 {477}	292.402 {115}	206.200 {163}
IS Ref	(Y_3600)	(In2306)	(Y_3600)	(Y_3600)
Units	ppm	ppm	ppm	ppm
Avg	**.04818**	**-.00535**	**.02560**	**.32495**
Stddev	.00094	.00322	.00060	.00064
%RSD	1.9602	60.229	2.3601	.19714
#1	.04751	-.00307	.02603	.32450
#2	.04885	-.00763	.02518	.32540
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				
Low Limit				

Int. Std.	In2306	Y_2243	Y_3600	Y_3774
Line	230.606 {446}	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**1459.2**	**2460.1**	**21285.**	**4713.1**
Stddev	4.7	7.2	49.	.1
%RSD	.32394	.29235	.22899	.00116
#1	1455.8	2455.0	21319.	4713.0
#2	1462.5	2465.2	21250.	4713.1

Sample Name: 480-17986-B-1-B Acquired: 4/5/2012 18:54:46 Type: Unk
Method: ICAP1(v261) Mode: CONC Corr. Factor: 1.000000
User: MDM Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	B_2089	Ba4554-2	Be3130	Ca3179	Cd2288	Co2286
Line	328.068 {103}	308.215 {109}	189.042 {478}	208.959 {461}	455.403 { 74}2	313.042 {108}	317.933 {106}	228.802 {447}	228.616 {447}
IS Ref	(Y_3600)	(Y_3774)	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3774)	(Y_3774)	(Y_2243)	(In2306)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00099**	**.16436**	**.00438**	**.09016**	**.07025**	**-.00006**	**1.7662**	**.00056**	**.00125**
Stddev	.00141	.03117	.00258	.00153	.00026	.00002	.0006	.00011	.00017
%RSD	142.40	18.964	58.936	1.6979	.37185	30.022	.03150	20.020	13.364
#1	.00001	.18640	.00620	.09124	.07007	-.00007	1.7666	.00048	.00137
#2	-.00199	.14232	.00255	.08908	.07044	-.00005	1.7658	.00064	.00113
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Cr2677	Cu3247	Fe2599	K_7664	K_7664-2	Li6707	Mg2790	Mn2576	Mo2020
Line	267.716 {126}	324.754 {104}	259.940 {130}	766.490 { 44}	766.490 { 44}2	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}
IS Ref	(Y_3600)	(Y_3600)	(Y_3774)	(Y_3774)	(Y_3774)	(Y_3774)	(Y_3600)	(Y_3600)	(Y_2243)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00262**	**.10502**	**.23040**	**3.0219**	**6.0403**	**.00123**	**3.2727**	**.02309**	**.00166**
Stddev	.00020	.00021	.00157	.0172	.0861	.00041	.0002	.00025	.00016
%RSD	7.4628	.20226	.68343	.56837	1.4256	33.645	.00538	1.0699	9.4883
#1	.00275	.10487	.23151	3.0341	6.1011	.00094	3.2726	.02291	.00177
#2	.00248	.10517	.22929	3.0098	5.9794	.00152	3.2728	.02326	.00155
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Na8183	Ni2316	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899	Sr4077
Line	818.326 { 41}	231.604 {446}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}2	189.989 {477}	407.771 { 83}
IS Ref	(Y_3774)	(In2306)	(In2306)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3774)	(In2306)	(Y_3774)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1586.8**	**.00142**	**.01037**	**4.750**	**.00617**	**.00308**	**.32778**	**.00189**	**.00811**
Stddev	3.2	.00089	.00040	.043	.00064	.00708	.00175	.00087	.00018
%RSD	.20480	63.205	3.8134	.8966	10.346	229.90	.53461	45.849	2.2503
#1	1589.1	.00205	.01065	4.780	.00662	-.00193	.32654	.00128	.00824
#2	1584.5	.00078	.01009	4.720	.00572	.00809	.32902	.00251	.00798
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Ti3349	Tl1908	V_2924	Zn2062
Line	334.904 {101}	190.856 {477}	292.402 {115}	206.200 {163}
IS Ref	(Y_3600)	(In2306)	(Y_3600)	(Y_3600)
Units	ppm	ppm	ppm	ppm
Avg	**.00013**	**-.00390**	**-.00101**	**.13278**
Stddev	.00070	.00129	.00029	.00126
%RSD	531.78	33.017	28.426	.94816
#1	-.00036	-.00299	-.00080	.13188
#2	.00063	-.00481	-.00121	.13367
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				
Low Limit				

Int. Std.	In2306	Y_2243	Y_3600	Y_3774
Line	230.606 {446}	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**1567.9**	**2534.3**	**21574.**	**4756.6**
Stddev	3.6	2.0	32.	26.5
%RSD	.23027	.07887	.15003	.55634
#1	1565.4	2532.8	21597.	4737.9
#2	1570.5	2535.7	21551.	4775.3

Sample Name: 480-17986-B-1-B SD@5 Acquired: 4/5/2012 18:57:12 Type: Unk
Method: ICAP1(v261) Mode: CONC Corr. Factor: 1.000000
User: MDM Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	B_2089	Ba4554-2	Be3130	Ca3179	Cd2288	Co2286
Line	328.068 {103}	308.215 {109}	189.042 {478}	208.959 {461}	455.403 { 74}2	313.042 {108}	317.933 {106}	228.802 {447}	228.616 {447}
IS Ref	(Y_3600)	(Y_3774)	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3774)	(Y_3774)	(Y_2243)	(In2306)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00073**	**.04621**	**.00181**	**.01906**	**.01456**	**-.00005**	**.35286**	**.00019**	**.00030**
Stddev	.00033	.04098	.00066	.00000	.00001	.00004	.00589	.00006	.00022
%RSD	45.507	88.672	36.458	.01797	.09603	81.608	1.6702	34.296	73.164
#1	-.00050	.01724	.00227	.01907	.01457	-.00008	.35703	.00014	.00045
#2	-.00097	.07519	.00134	.01906	.01455	-.00002	.34869	.00023	.00014
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Cr2677	Cu3247	Fe2599	K_7664	K_7664-2	Li6707	Mg2790	Mn2576	Mo2020
Line	267.716 {126}	324.754 {104}	259.940 {130}	766.490 { 44}	766.490 { 44}2	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}
IS Ref	(Y_3600)	(Y_3600)	(Y_3774)	(Y_3774)	(Y_3774)	(Y_3774)	(Y_3600)	(Y_3600)	(Y_2243)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00041**	**.02044**	**.05151**	**.60197**	**.80716**	**-.00007**	**.67167**	**.00483**	**.00038**
Stddev	.00077	.00017	.00269	.00951	.01789	.00019	.00664	.00016	.00041
%RSD	186.76	.85402	5.2273	1.5794	2.2165	261.52	.98808	3.3497	107.83
#1	.00096	.02056	.04961	.59525	.79451	.00006	.66698	.00495	.00068
#2	-.00013	.02032	.05342	.60870	.81981	-.00021	.67637	.00472	.00009
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Na8183	Ni2316	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899	Sr4077
Line	818.326 { 41}	231.604 {446}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}2	189.989 {477}	407.771 { 83}
IS Ref	(Y_3774)	(In2306)	(In2306)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3774)	(In2306)	(Y_3774)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**320.16**	**-.00007**	**.00206**	**.8921**	**.00339**	**.00230**	**.07915**	**.00052**	**.00160**
Stddev	.40	.00038	.00176	.0030	.00152	.00175	.01790	.00018	.00001
%RSD	.12588	519.79	85.446	.3418	44.849	76.043	22.608	35.210	.91621
#1	320.44	-.00034	.00082	.8942	.00446	.00354	.09181	.00039	.00159
#2	319.87	.00019	.00331	.8899	.00231	.00106	.06650	.00065	.00161
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Ti3349	Tl1908	V_2924	Zn2062
Line	334.904 {101}	190.856 {477}	292.402 {115}	206.200 {163}
IS Ref	(Y_3600)	(In2306)	(Y_3600)	(Y_3600)
Units	ppm	ppm	ppm	ppm
Avg	**-.00033**	**.00051**	**-.00059**	**.02394**
Stddev	.00023	.00048	.00044	.00015
%RSD	67.382	94.314	73.318	.62602
#1	-.00049	.00017	-.00029	.02384
#2	-.00018	.00085	-.00090	.02405
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				
Low Limit				

Int. Std.	In2306	Y_2243	Y_3600	Y_3774
Line	230.606 {446}	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**1790.9**	**2702.8**	**23556.**	**4786.6**
Stddev	2.2	1.8	11.	.4
%RSD	.12366	.06562	.04698	.00750
#1	1792.5	2704.1	23564.	4786.3
#2	1789.4	2701.6	23548.	4786.9

Sample Name: 480-17986-B-1-B PDS Acquired: 4/5/2012 18:59:39 Type: Unk
Method: ICAP1(v261) Mode: CONC Corr. Factor: 1.000000
User: MDM Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	B_2089	Ba4554	Be3130	Ca3179	Cd2288	Co2286
Line	328.068 {103}	308.215 {109}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	317.933 {106}	228.802 {447}	228.616 {447}
IS Ref	(Y_3600)	(Y_3774)	(Y_2243)	(Y_2243)	(Y_3774)	(Y_3774)	(Y_3774)	(Y_2243)	(In2306)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.1239**	**.15332**	**1.0998**	**.07540**	**1.1200**	**1.0548**	**1.7378**	**1.0789**	**1.0221**
Stddev	.0029	.00628	.0101	.00019	.0018	.0076	.0218	.0051	.0064
%RSD	.25482	4.0983	.91827	.25359	.15740	.72031	1.2568	.47303	.62861
#1	1.1259	.15776	1.1069	.07526	1.1213	1.0602	1.7533	1.0825	1.0266
#2	1.1219	.14888	1.0926	.07553	1.1188	1.0494	1.7224	1.0753	1.0176
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Cr2677	Cu3247	Fe2599	K_7664	K_7664-2	Li6707	Mg2790	Mn2576	Mo2020
Line	267.716 {126}	324.754 {104}	259.940 {130}	766.490 { 44}	766.490 { 44}2	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}
IS Ref	(Y_3600)	(Y_3600)	(Y_3774)	(Y_3774)	(Y_3774)	(Y_3774)	(Y_3600)	(Y_3600)	(Y_2243)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.0459**	**1.1821**	**.21380**	**2.9854**	**5.9628**	**.00091**	**3.2233**	**1.0705**	**1.0166**
Stddev	.0045	.0024	.00103	.0115	.0533	.00041	.0009	.0038	.0052
%RSD	.43310	.20753	.48006	.38411	.89334	45.027	.02840	.35865	.50900
#1	1.0491	1.1803	.21453	2.9935	6.0005	.00120	3.2227	1.0732	1.0202
#2	1.0427	1.1838	.21307	2.9773	5.9252	.00062	3.2240	1.0678	1.0129
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Na8183	Ni2316	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899	Sr4077
Line	818.326 { 41}	231.604 {446}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}2	189.989 {477}	407.771 { 83}
IS Ref	(Y_3774)	(In2306)	(In2306)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3774)	(In2306)	(Y_3774)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1582.2**	**1.0684**	**1.0622**	**4.647**	**1.0583**	**1.1203**	**.33897**	**.00116**	**.00808**
Stddev	8.2	.0047	.0029	.026	.0042	.0054	.00751	.00105	.00013
%RSD	.52095	.44193	.27177	.5513	.39641	.48572	2.2168	90.837	1.6152
#1	1588.0	1.0717	1.0642	4.665	1.0613	1.1164	.33366	.00190	.00818
#2	1576.4	1.0651	1.0601	4.629	1.0553	1.1241	.34428	.00041	.00799
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Ti3349	Tl1908	V_2924	Zn2062
Line	334.904 {101}	190.856 {477}	292.402 {115}	206.200 {163}
IS Ref	(Y_3600)	(In2306)	(Y_3600)	(Y_3600)
Units	ppm	ppm	ppm	ppm
Avg	**.00142**	**.99953**	**1.0417**	**1.2154**
Stddev	.00112	.00365	.0010	.0071
%RSD	78.973	.36509	.09195	.58440
#1	.00222	1.0021	1.0424	1.2204
#2	.00063	.99695	1.0411	1.2104
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				
Low Limit				

Int. Std.	In2306	Y_2243	Y_3600	Y_3774
Line	230.606 {446}	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**1573.5**	**2559.2**	**21671.**	**4759.3**
Stddev	.3	3.8	43.	74.8
%RSD	.01647	.14945	.19649	1.5710
#1	1573.3	2561.9	21641.	4706.5
#2	1573.7	2556.5	21701.	4812.2

Sample Name: CCV Acquired: 4/5/2012 19:02:06 Type: QC
Method: ICAP1(v261) Mode: CONC Corr. Factor: 1.000000
User: MDM Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	B_2089	Ba4554	Be3130	Ca3179	Cd2288	Co2286	Cr2677	Cu3247	Fe2599	K_7664
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.49615**	**24.963**	**.49337**	**.48977**	**.51274**	**.50131**	**24.996**	**.50009**	**.48255**	**.49678**	**.49210**	**25.293**	**25.067**
Stddev	.00052	.136	.00022	.00185	.00293	.00336	.215	.00126	.00095	.00125	.00234	.179	.161
%RSD	.10428	.54300	.04365	.37812	.57130	.67006	.85886	.25273	.19664	.25252	.47457	.70668	.64092
#1	.49651	25.059	.49321	.49108	.51481	.50368	25.148	.50099	.48322	.49766	.49375	25.419	25.181
#2	.49578	24.867	.49352	.48846	.51067	.49893	24.844	.49920	.48188	.49589	.49045	25.167	24.954
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value													
Range													

Elem	K_7664-2	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**24.140**	**.49586**	**25.092**	**.51172**	**.50115**	**25.080**	**.49196**	**.49309**	**25.20**	**.50411**	**.49598**	**24.414**	**.50539**
Stddev	.386	.00217	.081	.00060	.00242	.192	.00102	.00038	.08	.00271	.00645	.306	.00146
%RSD	1.5997	.43662	.32297	.11814	.48318	.76733	.20665	.07780	.3005	.53687	1.3008	1.2541	.28916
#1	24.413	.49739	25.035	.51129	.50287	25.216	.49268	.49336	25.25	.50602	.49142	24.630	.50643
#2	23.867	.49433	25.149	.51215	.49944	24.944	.49124	.49282	25.14	.50219	.50054	24.197	.50436
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value													
Range													

Elem	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm
Avg	**.49710**	**.50188**	**.50490**	**.49408**	**.49289**
Stddev	.00380	.00086	.00556	.00488	.00371
%RSD	.76444	.17180	1.1015	.98753	.75316
#1	.49978	.50249	.50884	.49753	.49552
#2	.49441	.50127	.50097	.49063	.49027
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value					
Range					

Int. Std.	In2306	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**1905.6**	**2783.9**	**24698.**	**4755.8**
Stddev	1.7	9.0	29.	59.1
%RSD	.09111	.32324	.11634	1.2417
#1	1904.4	2777.5	24718.	4714.0
#2	1906.9	2790.2	24677.	4797.5

Sample Name: CCB Acquired: 4/5/2012 19:04:22 Type: QC
Method: ICAP1(v261) Mode: CONC Corr. Factor: 1.000000
User: MDM Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	B_2089	Ba4554-2	Be3130	Ca3179	Cd2288	Co2286	Cr2677	Cu3247	Fe2599	K_7664
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00051**	**.01141**	**.00019**	**.00177**	**.00008**	**.00005**	**-.00729**	**.00017**	**.00010**	**-.00021**	**.00014**	**.00718**	**.00903**
Stddev	.00013	.03426	.00273	.00031	.00003	.00001	.00377	.00013	.00015	.00002	.00061	.00289	.01416
%RSD	25.350	300.14	1475.1	17.706	36.563	27.015	51.719	79.058	155.39	8.8021	446.86	40.163	156.84
#1	-.00042	.03564	.00212	.00199	.00010	.00004	-.00996	.00026	.00021	-.00020	.00057	.00922	-.00098
#2	-.00060	-.01281	-.00175	.00155	.00006	.00006	-.00463	.00007	-.00001	-.00023	-.00030	.00514	.01904
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit													
Low Limit													

Elem	K_7664-2	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00259**	**-.00038**	**.00593**	**.00002**	**-.00001**	**.15297**	**.00054**	**.00149**	**-.0002**	**-.00024**	**-.00432**	**.05339**	**.00020**
Stddev	.00084	.00053	.00352	.00003	.00017	.00926	.00057	.00001	.0022	.00094	.00135	.00373	.00062
%RSD	32.382	141.77	59.314	170.62	2071.1	6.0543	103.85	.51927	902.9	388.86	31.191	6.9917	303.93
#1	.00319	-.00076	.00841	.00000	.00011	.15952	.00014	.00149	.0013	.00042	-.00527	.05075	.00064
#2	.00200	.00000	.00344	.00004	-.00013	.14643	.00094	.00150	-.0018	-.00091	-.00337	.05603	-.00023
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit													
Low Limit													

Elem	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm
Avg	**.00004**	**.00026**	**.00075**	**-.00063**	**-.00047**
Stddev	.00000	.00023	.00374	.00018	.00005
%RSD	12.858	90.625	501.72	29.231	11.684
#1	.00004	.00042	-.00190	-.00076	-.00051
#2	.00003	.00009	.00339	-.00050	-.00043
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Int. Std.	In2306	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**2027.1**	**2801.8**	**25247.**	**4758.5**
Stddev	4.4	6.9	99.	22.1
%RSD	.21859	.24629	.39149	.46427
#1	2030.2	2796.9	25178.	4774.1
#2	2024.0	2806.7	25317.	4742.9

Sample Name: 480-17986-B-1-C MS Acquired: 4/5/2012 19:06:46 Type: Unk
Method: ICAP1(v261) Mode: CONC Corr. Factor: 1.000000
User: MDM Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	B_2089	Ba4554	Be3130	Ca3179	Cd2288	Co2286
Line	328.068 {103}	308.215 {109}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	317.933 {106}	228.802 {447}	228.616 {447}
IS Ref	(Y_3600)	(Y_3774)	(Y_2243)	(Y_2243)	(Y_3774)	(Y_3774)	(Y_3774)	(Y_2243)	(In2306)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.1031**	**.15664**	**1.1049**	**.07725**	**1.0980**	**1.0347**	**1.7547**	**1.0581**	**1.0664**
Stddev	.0008	.01641	.0072	.00032	.0027	.0097	.0170	.0058	.0031
%RSD	.07695	10.473	.64675	.42001	.24379	.93423	.96703	.55136	.29304
#1	1.1037	.14504	1.1100	.07702	1.0961	1.0278	1.7427	1.0622	1.0686
#2	1.1025	.16825	1.0999	.07747	1.0999	1.0415	1.7667	1.0540	1.0642
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Cr2677	Cu3247	Fe2599	K_7664	K_7664-2	Li6707	Mg2790	Mn2576	Mo2020
Line	267.716 {126}	324.754 {104}	259.940 {130}	766.490 { 44}	766.490 { 44}2	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}
IS Ref	(Y_3600)	(Y_3600)	(Y_3774)	(Y_3774)	(Y_3774)	(Y_3774)	(Y_3600)	(Y_3600)	(Y_2243)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.0218**	**1.1595**	**.19134**	**3.0512**	**6.1486**	**.00101**	**3.2832**	**1.0459**	**1.0036**
Stddev	.0070	.0022	.00451	.0317	.1025	.00028	.0077	.0022	.0072
%RSD	.68103	.18675	2.3579	1.0389	1.6666	28.165	.23550	.20662	.71662
#1	1.0169	1.1610	.19453	3.0736	6.0761	.00121	3.2887	1.0474	1.0087
#2	1.0267	1.1580	.18815	3.0288	6.2210	.00081	3.2778	1.0443	.99852
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Na8183	Ni2316	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899	Sr4077
Line	818.326 { 41}	231.604 {446}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}2	189.989 {477}	407.771 { 83}
IS Ref	(Y_3774)	(In2306)	(In2306)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3774)	(In2306)	(Y_3774)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1615.9**	**1.0518**	**1.0454**	**4.742**	**1.0549**	**1.0958**	**.36249**	**.00200**	**.00823**
Stddev	5.0	.0050	.0061	.030	.0060	.0036	.00857	.00002	.00007
%RSD	.30946	.47975	.58628	.6335	.56840	.33213	2.3653	.96266	.84695
#1	1612.4	1.0554	1.0497	4.764	1.0591	1.0984	.36856	.00199	.00828
#2	1619.5	1.0483	1.0411	4.721	1.0506	1.0932	.35643	.00202	.00818
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Ti3349	Tl1908	V_2924	Zn2062
Line	334.904 {101}	190.856 {477}	292.402 {115}	206.200 {163}
IS Ref	(Y_3600)	(In2306)	(Y_3600)	(Y_3600)
Units	ppm	ppm	ppm	ppm
Avg	**.00129**	**.97611**	**1.0221**	**1.2599**
Stddev	.00016	.01136	.0012	.0004
%RSD	12.563	1.1643	.11278	.03274
#1	.00118	.98415	1.0213	1.2596
#2	.00141	.96808	1.0229	1.2602
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				
Low Limit				

Int. Std.	In2306	Y_2243	Y_3600	Y_3774
Line	230.606 {446}	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**1567.0**	**2562.8**	**21610.**	**4720.3**
Stddev	3.8	8.3	5.	76.7
%RSD	.24355	.32411	.02434	1.6243
#1	1564.3	2556.9	21607.	4774.5
#2	1569.7	2568.7	21614.	4666.1

Sample Name: 480-17986-B-1-D MSD Acquired: 4/5/2012 19:09:10 Type: Unk
Method: ICAP1(v261) Mode: CONC Corr. Factor: 1.000000
User: MDM Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	B_2089	Ba4554	Be3130	Ca3179	Cd2288	Co2286
Line	328.068 {103}	308.215 {109}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	317.933 {106}	228.802 {447}	228.616 {447}
IS Ref	(Y_3600)	(Y_3774)	(Y_2243)	(Y_2243)	(Y_3774)	(Y_3774)	(Y_3774)	(Y_2243)	(In2306)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.1171**	**.12625**	**1.1107**	**.07833**	**1.1045**	**1.0443**	**1.7929**	**1.0653**	**1.0685**
Stddev	.0084	.04215	.0030	.00014	.0025	.0001	.0159	.0079	.0087
%RSD	.75054	33.382	.26706	.18265	.22364	.01238	.88630	.73871	.81316
#1	1.1112	.15605	1.1128	.07822	1.1063	1.0442	1.7817	1.0708	1.0747
#2	1.1230	.09645	1.1086	.07843	1.1028	1.0444	1.8042	1.0597	1.0624
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Cr2677	Cu3247	Fe2599	K_7664	K_7664-2	Li6707	Mg2790	Mn2576	Mo2020
Line	267.716 {126}	324.754 {104}	259.940 {130}	766.490 { 44}	766.490 { 44}2	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}
IS Ref	(Y_3600)	(Y_3600)	(Y_3774)	(Y_3774)	(Y_3774)	(Y_3774)	(Y_3600)	(Y_3600)	(Y_2243)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.0304**	**1.1664**	**.18159**	**3.1130**	**6.1972**	**.00062**	**3.2887**	**1.0541**	**1.0117**
Stddev	.0034	.0016	.00161	.0122	.0772	.00022	.0182	.0035	.0076
%RSD	.33299	.13429	.88650	.39237	1.2452	35.244	.55443	.33284	.75540
#1	1.0280	1.1675	.18273	3.1216	6.1426	.00046	3.2758	1.0516	1.0171
#2	1.0328	1.1652	.18045	3.1044	6.2517	.00077	3.3016	1.0566	1.0063
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Na8183	Ni2316	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899	Sr4077
Line	818.326 { 41}	231.604 {446}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}2	189.989 {477}	407.771 { 83}
IS Ref	(Y_3774)	(In2306)	(In2306)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3774)	(In2306)	(Y_3774)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1629.7**	**1.0554**	**1.0484**	**4.748**	**1.0546**	**1.1014**	**.35217**	**.00172**	**.00837**
Stddev	2.8	.0095	.0119	.012	.0055	.0045	.03162	.00009	.00004
%RSD	.17456	.90368	1.1385	.2535	.52481	.41161	8.9776	4.9762	.53261
#1	1631.7	1.0621	1.0568	4.757	1.0585	1.1046	.32981	.00166	.00840
#2	1627.7	1.0486	1.0400	4.740	1.0507	1.0982	.37453	.00178	.00833
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Ti3349	Tl1908	V_2924	Zn2062
Line	334.904 {101}	190.856 {477}	292.402 {115}	206.200 {163}
IS Ref	(Y_3600)	(In2306)	(Y_3600)	(Y_3600)
Units	ppm	ppm	ppm	ppm
Avg	**.00182**	**.97923**	**1.0318**	**1.2669**
Stddev	.00009	.00760	.0010	.0047
%RSD	4.7958	.77621	.10131	.36871
#1	.00188	.98460	1.0311	1.2636
#2	.00176	.97385	1.0325	1.2702
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				
Low Limit				

Int. Std.	In2306	Y_2243	Y_3600	Y_3774
Line	230.606 {446}	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**1570.2**	**2554.7**	**21636.**	**4720.0**
Stddev	6.7	5.5	42.	56.3
%RSD	.42912	.21713	.19447	1.1923
#1	1565.5	2550.8	21666.	4759.8
#2	1575.0	2558.6	21607.	4680.2

Sample Name: MB 480-58242/1-A Acquired: 4/5/2012 19:11:34 Type: Unk
Method: ICAP1(v261) Mode: CONC Corr. Factor: 1.000000
User: MDM Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	B_2089	Ba4554-2	Be3130	Ca3179	Cd2288	Co2286
Line	328.068 {103}	308.215 {109}	189.042 {478}	208.959 {461}	455.403 { 74}2	313.042 {108}	317.933 {106}	228.802 {447}	228.616 {447}
IS Ref	(Y_3600)	(Y_3774)	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3774)	(Y_3774)	(Y_2243)	(In2306)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00144**	**.03798**	**.00258**	**.00150**	**.00027**	**.00009**	**.04007**	**.00007**	**.00021**
Stddev	.00035	.02808	.00284	.00019	.00001	.00004	.00151	.00014	.00009
%RSD	24.066	73.948	110.33	12.533	2.7816	47.925	3.7604	207.62	40.935
#1	-.00168	.01812	.00459	.00136	.00027	.00006	.03900	-.00003	.00015
#2	-.00119	.05783	.00057	.00163	.00026	.00012	.04113	.00016	.00027
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Cr2677	Cu3247	Fe2599	K_7664	K_7664-2	Li6707	Mg2790	Mn2576	Mo2020
Line	267.716 {126}	324.754 {104}	259.940 {130}	766.490 { 44}	766.490 { 44}2	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}
IS Ref	(Y_3600)	(Y_3600)	(Y_3774)	(Y_3774)	(Y_3774)	(Y_3774)	(Y_3600)	(Y_3600)	(Y_2243)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00029**	**.00042**	**.01403**	**.09877**	**.02349**	**-.00119**	**.00087**	**.00052**	**.00053**
Stddev	.00039	.00008	.00250	.00184	.00027	.00017	.00154	.00003	.00011
%RSD	134.48	18.154	17.786	1.8657	1.1523	14.602	177.96	5.7562	20.795
#1	.00057	.00047	.01580	.10007	.02330	-.00107	.00195	.00054	.00061
#2	.00001	.00037	.01227	.09747	.02368	-.00131	-.00022	.00050	.00045
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Na5895	Ni2316	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899	Sr4077
Line	589.592 { 57}	231.604 {446}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}2	189.989 {477}	407.771 { 83}
IS Ref	(Y_3774)	(In2306)	(In2306)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3774)	(In2306)	(Y_3774)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.39987**	**.00046**	**.00219**	F **.0052**	**.00455**	**-.00278**	**.03980**	F **.03053**	**.00008**
Stddev	.04538	.00032	.00027	.0039	.00192	.00189	.03026	.00124	.00005
%RSD	11.350	70.091	12.273	75.13	42.096	67.963	76.030	4.0473	58.914
#1	.43196	.00069	.00200	.0024	.00320	-.00411	.01840	.03140	.00005
#2	.36778	.00023	.00238	.0079	.00591	-.00144	.06120	.02966	.00011
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass
High Limit				.0030				.01000	
Low Limit				-.0040				-.01000	

Elem	Ti3349	Tl1908	V_2924	Zn2062
Line	334.904 {101}	190.856 {477}	292.402 {115}	206.200 {163}
IS Ref	(Y_3600)	(In2306)	(Y_3600)	(Y_3600)
Units	ppm	ppm	ppm	ppm
Avg	**.00031**	**-.00099**	**-.00061**	**.00013**
Stddev	.00044	.00195	.00047	.00085
%RSD	140.62	197.74	77.174	637.46
#1	.00062	-.00237	-.00094	-.00047
#2	.00000	.00039	-.00028	.00073
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				
Low Limit				

Int. Std.	In2306	Y_2243	Y_3600	Y_3774
Line	230.606 {446}	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**2005.9**	**2760.0**	**25131.**	**4701.7**
Stddev	7.6	2.7	42.	24.1
%RSD	.38112	.09719	.16592	.51171
#1	2000.5	2758.1	25102.	4718.7
#2	2011.3	2761.9	25161.	4684.7

Sample Name: LCSSRM 480-58242/2-A Acquired: 4/5/2012 19:13:55 Type: Unk
Method: ICAP1(v261) Mode: CONC Corr. Factor: 1.000000
User: MDM Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	B_2089	Ba4554	Be3130	Ca3179	Cd2288	Co2286
Line	328.068 {103}	308.215 {109}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	317.933 {106}	228.802 {447}	228.616 {447}
IS Ref	(Y_3600)	(Y_3774)	(Y_2243)	(Y_2243)	(Y_3774)	(Y_3774)	(Y_3774)	(Y_2243)	(In2306)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.40717**	**70.292**	**1.0768**	**.95536**	**2.1388**	**.90415**	**64.983**	**.82588**	**1.3249**
Stddev	.00448	.426	.0012	.00395	.0037	.00120	.432	.00189	.0099
%RSD	1.1008	.60575	.11344	.41319	.17252	.13246	.66495	.22852	.74460
#1	.40400	69.991	1.0777	.95815	2.1414	.90330	64.678	.82721	1.3319
#2	.41034	70.593	1.0759	.95257	2.1362	.90500	65.289	.82454	1.3180
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Cr2677	Cu3247	Fe2714	K_7664	K_7664-2	Li6707	Mg2790	Mn2576	Mo2020
Line	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}	766.490 { 44}2	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}
IS Ref	(Y_3600)	(Y_3600)	(Y_3774)	(Y_3774)	(Y_3774)	(Y_3774)	(Y_3600)	(Y_3600)	(Y_2243)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.1432**	**1.1875**	**102.66**	**28.554**	**27.209**	**.07126**	**24.640**	**3.3994**	**.65424**
Stddev	.0070	.0034	.77	.014	.180	.00147	.041	.0029	.00305
%RSD	.61165	.29049	.75161	.05040	.66278	2.0636	.16755	.08536	.46607
#1	1.1482	1.1900	102.12	28.564	27.336	.07022	24.611	3.3973	.65640
#2	1.1383	1.1851	103.21	28.544	27.081	.07230	24.669	3.4014	.65208
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Na5895	Ni2316	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899	Sr4077
Line	589.592 { 57}	231.604 {446}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}2	189.989 {477}	407.771 { 83}
IS Ref	(Y_3774)	(In2306)	(In2306)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3774)	(In2306)	(Y_3774)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**3.7521**	**.74352**	**.77279**	**2.409**	**.91008**	**1.3584**	**27.109**	**1.2946**	**1.5606**
Stddev	.0216	.00700	.00139	.013	.00868	.0025	.008	.0074	.0008
%RSD	.57647	.94176	.17961	.5565	.95373	.18693	.02783	.57160	.05166
#1	3.7368	.74847	.77377	2.419	.91621	1.3602	27.104	1.2998	1.5612
#2	3.7674	.73857	.77181	2.400	.90394	1.3566	27.115	1.2893	1.5600
Check ?	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	None	Chk Pass	None
High Limit									
Low Limit									

Elem	Ti3349	Tl1908	V_2924	Zn2062
Line	334.904 {101}	190.856 {477}	292.402 {115}	206.200 {163}
IS Ref	(Y_3600)	(In2306)	(Y_3600)	(Y_3600)
Units	ppm	ppm	ppm	ppm
Avg	**2.7162**	**2.7964**	**.82346**	**2.6815**
Stddev	.0146	.0224	.00906	.0076
%RSD	.53777	.80190	1.0999	.28491
#1	2.7265	2.8122	.82986	2.6869
#2	2.7059	2.7805	.81705	2.6761
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				
Low Limit				

Int. Std.	In2306	Y_2243	Y_3600	Y_3774
Line	230.606 {446}	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**1827.7**	**2827.3**	**25215.**	**4975.1**
Stddev	5.2	2.5	67.	35.7
%RSD	.28333	.08827	.26555	.71831
#1	1824.0	2825.6	25167.	5000.3
#2	1831.4	2829.1	25262.	4949.8

Sample Name: 480-18068-C-1-D Acquired: 4/5/2012 19:16:16 Type: Unk
Method: ICAP1(v261) Mode: CONC Corr. Factor: 1.000000
User: MDM Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	B_2089	Ba4554	Be3130	Ca3179	Cd2288	Co2286
Line	328.068 {103}	308.215 {109}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	317.933 {106}	228.802 {447}	228.616 {447}
IS Ref	(Y_3600)	(Y_3774)	(Y_2243)	(Y_2243)	(Y_3774)	(Y_3774)	(Y_3774)	(Y_2243)	(In2306)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00248**	**59.734**	**.04313**	**.03436**	**.56815**	**.00378**	**135.33**	**.00222**	**.06444**
Stddev	.00035	.102	.00283	.00090	.00026	.00013	.21	.00017	.00101
%RSD	14.135	.16995	6.5722	2.6282	.04585	3.3618	.15352	7.6252	1.5613
#1	-.00223	59.805	.04514	.03500	.56797	.00369	135.18	.00234	.06515
#2	-.00273	59.662	.04113	.03372	.56833	.00387	135.47	.00210	.06372
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Cr2677	Cu3247	Fe2714	K_7664	K_7664-2	Li6707	Mg2790	Mn2576	Mo2020
Line	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}	766.490 { 44}2	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}
IS Ref	(Y_3600)	(Y_3600)	(Y_3774)	(Y_3774)	(Y_3774)	(Y_3774)	(Y_3600)	(Y_3600)	(Y_2243)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.10503**	**.16805**	**142.03**	**7.9764**	**8.2947**	**.12277**	**44.850**	**4.5572**	**.00387**
Stddev	.00165	.00173	.42	.0309	.1182	.00114	.214	.0154	.00034
%RSD	1.5753	1.0321	.29686	.38796	1.4244	.92465	.47824	.33700	8.6674
#1	.10620	.16928	142.33	7.9545	8.3783	.12357	45.002	4.5681	.00411
#2	.10386	.16682	141.73	7.9983	8.2112	.12197	44.699	4.5463	.00364
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Na5895	Ni2316	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899	Sr4077
Line	589.592 { 57}	231.604 {446}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}2	189.989 {477}	407.771 { 83}
IS Ref	(Y_3774)	(In2306)	(In2306)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3774)	(In2306)	(Y_3774)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.61284**	**.15295**	**.13360**	**3.573**	**-.00374**	**-.00048**	**23.279**	**.02388**	**.52753**
Stddev	.00851	.00084	.00346	.029	.00352	.00101	.011	.00063	.00012
%RSD	1.3892	.54686	2.5889	.7996	94.005	213.37	.04601	2.6178	.02239
#1	.61886	.15236	.13604	3.593	-.00623	-.00119	23.287	.02432	.52761
#2	.60682	.15354	.13115	3.553	-.00126	.00024	23.272	.02343	.52744
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Ti3349	Tl1908	V_2924	Zn2062
Line	334.904 {101}	190.856 {477}	292.402 {115}	206.200 {163}
IS Ref	(Y_3600)	(In2306)	(Y_3600)	(Y_3600)
Units	ppm	ppm	ppm	ppm
Avg	**.87900**	**-.00259**	**.12674**	**.45399**
Stddev	.01919	.00321	.00116	.00143
%RSD	2.1831	124.25	.91733	.31418
#1	.89257	-.00486	.12756	.45500
#2	.86543	-.00031	.12592	.45299
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				
Low Limit				

Int. Std.	In2306	Y_2243	Y_3600	Y_3774
Line	230.606 {446}	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**1780.5**	**2804.1**	**25015.**	**4957.0**
Stddev	2.1	2.5	103.	18.6
%RSD	.11687	.08792	.41309	.37534
#1	1782.0	2805.8	24942.	4970.2
#2	1779.0	2802.3	25088.	4943.8

Sample Name: 480-18068-C-2-B Acquired: 4/5/2012 19:18:39 Type: Unk
Method: ICAP1(v261) Mode: CONC Corr. Factor: 1.000000
User: MDM Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	B_2089	Ba4554	Be3130	Ca3179	Cd2288	Co2286
Line	328.068 {103}	308.215 {109}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	317.933 {106}	228.802 {447}	228.616 {447}
IS Ref	(Y_3600)	(Y_3774)	(Y_2243)	(Y_2243)	(Y_3774)	(Y_3774)	(Y_3774)	(Y_2243)	(In2306)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00142**	**54.772**	**.05697**	**.04105**	**.74874**	**.00363**	**146.31**	**.00376**	**.05738**
Stddev	.00017	.062	.00427	.00061	.00438	.00018	.33	.00022	.00055
%RSD	12.051	.11296	7.4947	1.4954	.58548	4.9028	.22315	5.7688	.96391
#1	-.00130	54.816	.05999	.04062	.74564	.00376	146.08	.00391	.05777
#2	-.00154	54.729	.05395	.04149	.75184	.00351	146.55	.00360	.05699
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Cr2677	Cu3247	Fe2714	K_7664	K_7664-2	Li6707	Mg2790	Mn2576	Mo2020
Line	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}	766.490 { 44}2	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}
IS Ref	(Y_3600)	(Y_3600)	(Y_3774)	(Y_3774)	(Y_3774)	(Y_3774)	(Y_3600)	(Y_3600)	(Y_2243)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.14123**	**.36798**	**163.05**	**7.7370**	**8.2925**	**.09791**	**44.582**	**3.7431**	**.00977**
Stddev	.00122	.00052	1.09	.0448	.0935	.00065	.116	.0034	.00055
%RSD	.86349	.14220	.66721	.57945	1.1274	.66233	.26103	.09120	5.6115
#1	.14209	.36835	162.28	7.7053	8.2264	.09836	44.664	3.7407	.01016
#2	.14037	.36761	163.82	7.7687	8.3586	.09745	44.500	3.7455	.00939
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Na5895	Ni2316	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899	Sr4077
Line	589.592 { 57}	231.604 {446}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}2	189.989 {477}	407.771 { 83}
IS Ref	(Y_3774)	(In2306)	(In2306)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3774)	(In2306)	(Y_3774)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.0646**	**.19807**	**.51878**	**4.096**	**.00081**	**.00541**	**23.495**	**.03867**	**.53993**
Stddev	.0040	.00012	.00000	.026	.00132	.00292	.106	.00070	.00336
%RSD	.37873	.06254	.00081	.6482	162.76	54.044	.45217	1.8136	.62279
#1	1.0617	.19815	.51878	4.114	.00175	.00748	23.420	.03818	.53755
#2	1.0674	.19798	.51878	4.077	-.00012	.00334	23.571	.03917	.54230
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Ti3349	Tl1908	V_2924	Zn2062
Line	334.904 {101}	190.856 {477}	292.402 {115}	206.200 {163}
IS Ref	(Y_3600)	(In2306)	(Y_3600)	(Y_3600)
Units	ppm	ppm	ppm	ppm
Avg	**1.0047**	**-.00072**	**.14140**	**1.5343**
Stddev	.0105	.00268	.00091	.0036
%RSD	1.0407	372.00	.64577	.23269
#1	1.0121	-.00261	.14205	1.5318
#2	.99731	.00117	.14076	1.5368
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				
Low Limit				

Int. Std.	In2306	Y_2243	Y_3600	Y_3774
Line	230.606 {446}	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**1774.8**	**2788.7**	**24781.**	**4900.8**
Stddev	2.9	8.1	44.	30.8
%RSD	.16485	.28936	.17918	.62812
#1	1776.9	2783.0	24812.	4922.6
#2	1772.7	2794.5	24750.	4879.1

Sample Name: 480-18068-C-3-A Acquired: 4/5/2012 19:21:05 Type: Unk
Method: ICAP1(v261) Mode: CONC Corr. Factor: 1.000000
User: MDM Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	B_2089	Ba4554	Be3130	Ca3179	Cd2288	Co2286
Line	328.068 {103}	308.215 {109}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	317.933 {106}	228.802 {447}	228.616 {447}
IS Ref	(Y_3600)	(Y_3774)	(Y_2243)	(Y_2243)	(Y_3774)	(Y_3774)	(Y_3774)	(Y_2243)	(In2306)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00155**	**58.898**	**.04306**	**.03363**	**.58593**	**.00387**	**156.43**	**.00224**	**.06585**
Stddev	.00096	.535	.00175	.00050	.00153	.00017	1.21	.00003	.00084
%RSD	61.686	.90834	4.0658	1.4803	.26125	4.3179	.77041	1.4220	1.2766
#1	-.00223	59.276	.04430	.03399	.58701	.00399	157.29	.00226	.06644
#2	-.00088	58.519	.04182	.03328	.58484	.00376	155.58	.00222	.06525
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Cr2677	Cu3247	Fe2714	K_7664	K_7664-2	Li6707	Mg2790	Mn2576	Mo2020
Line	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}	766.490 { 44}2	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}
IS Ref	(Y_3600)	(Y_3600)	(Y_3774)	(Y_3774)	(Y_3774)	(Y_3774)	(Y_3600)	(Y_3600)	(Y_2243)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.10517**	**.17678**	**143.33**	**7.8095**	**8.4086**	**.12443**	**53.609**	**3.7589**	**.00401**
Stddev	.00130	.00217	1.00	.0676	.3192	.00073	.393	.0259	.00018
%RSD	1.2327	1.2261	.69993	.86585	3.7956	.58904	.73219	.68894	4.4426
#1	.10609	.17832	144.04	7.8573	8.6342	.12494	53.887	3.7772	.00388
#2	.10425	.17525	142.62	7.7617	8.1829	.12391	53.332	3.7406	.00413
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Na5895	Ni2316	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899	Sr4077
Line	589.592 { 57}	231.604 {446}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}2	189.989 {477}	407.771 { 83}
IS Ref	(Y_3774)	(In2306)	(In2306)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3774)	(In2306)	(Y_3774)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.54801**	**.15545**	**.14471**	**3.751**	**-.00314**	**-.00405**	**20.319**	**.02564**	**.59338**
Stddev	.00140	.00221	.00187	.012	.00086	.00840	.065	.00035	.00225
%RSD	.25467	1.4244	1.2911	.3308	27.423	207.32	.31993	1.3588	.37971
#1	.54900	.15701	.14339	3.759	-.00253	.00189	20.365	.02540	.59498
#2	.54702	.15388	.14603	3.742	-.00375	-.00999	20.273	.02589	.59179
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Ti3349	Tl1908	V_2924	Zn2062
Line	334.904 {101}	190.856 {477}	292.402 {115}	206.200 {163}
IS Ref	(Y_3600)	(In2306)	(Y_3600)	(Y_3600)
Units	ppm	ppm	ppm	ppm
Avg	**.78195**	**-.00273**	**.12522**	**.46770**
Stddev	.00615	.00180	.00066	.00486
%RSD	.78635	66.014	.52379	1.0392
#1	.78630	-.00145	.12568	.47114
#2	.77760	-.00400	.12476	.46426
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				
Low Limit				

Int. Std.	In2306	Y_2243	Y_3600	Y_3774
Line	230.606 {446}	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**1764.5**	**2783.7**	**24746.**	**4928.7**
Stddev	2.0	9.2	252.	23.9
%RSD	.11080	.33057	1.0166	.48464
#1	1765.9	2790.2	24568.	4911.9
#2	1763.2	2777.2	24924.	4945.6

Sample Name: 480-18068-C-3-A SD@5 Acquired: 4/5/2012 19:23:28 Type: Unk
Method: ICAP1(v261) Mode: CONC Corr. Factor: 1.000000
User: MDM Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	B_2089	Ba4554-2	Be3130	Ca3179	Cd2288	Co2286
Line	328.068 {103}	308.215 {109}	189.042 {478}	208.959 {461}	455.403 { 74}2	313.042 {108}	317.933 {106}	228.802 {447}	228.616 {447}
IS Ref	(Y_3600)	(Y_3774)	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3774)	(Y_3774)	(Y_2243)	(In2306)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00115**	**13.076**	**.00829**	**.00854**	**.12936**	**.00080**	**35.212**	**.00055**	**.01399**
Stddev	.00028	.114	.00459	.00061	.00004	.00019	.238	.00011	.00016
%RSD	24.675	.87356	55.346	7.1706	.03246	23.518	.67651	20.673	1.1304
#1	-.00136	12.995	.00505	.00897	.12933	.00094	35.044	.00047	.01410
#2	-.00095	13.156	.01153	.00810	.12939	.00067	35.380	.00063	.01388
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Cr2677	Cu3247	Fe2599	K_7664	K_7664-2	Li6707	Mg2790	Mn2576	Mo2020
Line	267.716 {126}	324.754 {104}	259.940 {130}	766.490 { 44}	766.490 { 44}2	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}
IS Ref	(Y_3600)	(Y_3600)	(Y_3774)	(Y_3774)	(Y_3774)	(Y_3774)	(Y_3600)	(Y_3600)	(Y_2243)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.02464**	**.03828**	**32.578**	**1.7115**	**1.6020**	**.02620**	**11.879**	**.85023**	**.00065**
Stddev	.00037	.00055	.179	.0061	.0217	.00084	.114	.00558	.00009
%RSD	1.5064	1.4474	.54976	.35703	1.3575	3.1969	.95625	.65666	14.482
#1	.02490	.03789	32.451	1.7072	1.6174	.02561	11.799	.84629	.00058
#2	.02438	.03867	32.704	1.7158	1.5866	.02679	11.959	.85418	.00072
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Na5895	Ni2316	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899	Sr4077
Line	589.592 { 57}	231.604 {446}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}2	189.989 {477}	407.771 { 83}
IS Ref	(Y_3774)	(In2306)	(In2306)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3774)	(In2306)	(Y_3774)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.14263**	**.03321**	**.03081**	**.8053**	**.00007**	**-.00220**	**4.8829**	**.00556**	**.13023**
Stddev	.00387	.00001	.00210	.0038	.00179	.00157	.0407	.00022	.00112
%RSD	2.7117	.03877	6.8204	.4742	2633.5	71.262	.83269	3.8858	.85852
#1	.13990	.03322	.02933	.8080	.00133	-.00109	4.8542	.00540	.12944
#2	.14537	.03320	.03230	.8026	-.00120	-.00331	4.9117	.00571	.13102
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Ti3349	Tl1908	V_2924	Zn2062
Line	334.904 {101}	190.856 {477}	292.402 {115}	206.200 {163}
IS Ref	(Y_3600)	(In2306)	(Y_3600)	(Y_3600)
Units	ppm	ppm	ppm	ppm
Avg	**.18578**	**.00120**	**.02835**	**.10613**
Stddev	.00653	.00103	.00106	.00005
%RSD	3.5148	85.447	3.7301	.04586
#1	.18116	.00048	.02761	.10610
#2	.19040	.00193	.02910	.10616
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				
Low Limit				

Int. Std.	In2306	Y_2243	Y_3600	Y_3774
Line	230.606 {446}	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**1950.6**	**2835.8**	**25303.**	**4804.1**
Stddev	.8	2.3	186.	36.8
%RSD	.04331	.08023	.73511	.76566
#1	1951.2	2834.2	25434.	4830.1
#2	1950.0	2837.4	25171.	4778.1

Sample Name: 480-18068-C-3-A PDS Acquired: 4/5/2012 19:25:47 Type: Unk
Method: ICAP1(v261) Mode: CONC Corr. Factor: 1.000000
User: MDM Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	B_2089	Ba4554	Be3130	Ca3179	Cd2288	Co2286
Line	328.068 {103}	308.215 {109}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	317.933 {106}	228.802 {447}	228.616 {447}
IS Ref	(Y_3600)	(Y_3774)	(Y_2243)	(Y_2243)	(Y_3774)	(Y_3774)	(Y_3774)	(Y_2243)	(In2306)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.09282**	**81.225**	**.46507**	**.43219**	**1.0127**	**.41800**	**179.40**	**.40903**	**.47333**
Stddev	.00214	.610	.00455	.00238	.0036	.00060	.73	.00144	.00259
%RSD	2.3042	.75150	.97840	.55116	.35491	.14436	.40512	.35311	.54779
#1	.09433	81.657	.46829	.43387	1.0153	.41843	179.91	.41005	.47516
#2	.09130	80.793	.46185	.43050	1.0102	.41758	178.88	.40800	.47150
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Cr2677	Cu3247	Fe2714	K_7664	K_7664-2	Li6707	Mg2790	Mn2576	Mo2020
Line	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}	766.490 { 44}2	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}
IS Ref	(Y_3600)	(Y_3600)	(Y_3774)	(Y_3774)	(Y_3774)	(Y_3774)	(Y_3600)	(Y_3600)	(Y_2243)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.50292**	**.60352**	**165.63**	**28.758**	**30.194**	**.54723**	**73.423**	**4.1414**	**.40534**
Stddev	.00047	.00038	.68	.095	.450	.00359	.139	.0060	.00289
%RSD	.09332	.06279	.41349	.33153	1.4914	.65667	.18990	.14477	.71339
#1	.50259	.60326	166.11	28.825	30.513	.54977	73.522	4.1456	.40739
#2	.50326	.60379	165.14	28.691	29.876	.54469	73.325	4.1372	.40330
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Na5895	Ni2316	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899	Sr4077
Line	589.592 { 57}	231.604 {446}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}2	189.989 {477}	407.771 { 83}
IS Ref	(Y_3774)	(In2306)	(In2306)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3774)	(In2306)	(Y_3774)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**21.203**	**.57800**	**.56770**	**3.792**	**.40289**	**.41438**	**43.467**	**.42849**	**1.0076**
Stddev	.109	.00230	.00553	.021	.00013	.00555	.359	.00407	.0034
%RSD	.51460	.39871	.97343	.5451	.03198	1.3391	.82688	.95044	.33303
#1	21.280	.57963	.57161	3.807	.40280	.41045	43.721	.43137	1.0100
#2	21.126	.57637	.56380	3.778	.40298	.41830	43.213	.42561	1.0053
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Ti3349	Tl1908	V_2924	Zn2062
Line	334.904 {101}	190.856 {477}	292.402 {115}	206.200 {163}
IS Ref	(Y_3600)	(In2306)	(Y_3600)	(Y_3600)
Units	ppm	ppm	ppm	ppm
Avg	**1.2358**	**.41633**	**.53557**	**.87206**
Stddev	.0021	.00684	.00277	.00276
%RSD	.17155	1.6419	.51813	.31668
#1	1.2373	.42116	.53361	.87402
#2	1.2343	.41150	.53753	.87011
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				
Low Limit				

Int. Std.	In2306	Y_2243	Y_3600	Y_3774
Line	230.606 {446}	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**1713.2**	**2765.2**	**24205.**	**4892.4**
Stddev	1.5	.7	57.	52.3
%RSD	.08562	.02453	.23601	1.0680
#1	1712.2	2764.8	24245.	4855.4
#2	1714.3	2765.7	24164.	4929.3

Sample Name: 480-18068-C-3-B MS Acquired: 4/5/2012 19:28:08 Type: Unk
Method: ICAP1(v261) Mode: CONC Corr. Factor: 1.000000
User: MDM Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	B_2089	Ba4554	Be3130	Ca3179	Cd2288	Co2286
Line	328.068 {103}	308.215 {109}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	317.933 {106}	228.802 {447}	228.616 {447}
IS Ref	(Y_3600)	(Y_3774)	(Y_2243)	(Y_2243)	(Y_3774)	(Y_3774)	(Y_3774)	(Y_2243)	(In2306)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.09270**	**102.46**	**.41671**	**.42092**	**1.1083**	**.39300**	**174.09**	**.37909**	**.46817**
Stddev	.00111	.81	.00047	.00011	.0069	.00328	1.20	.00032	.00378
%RSD	1.1998	.79225	.11221	.02690	.62592	.83393	.68697	.08347	.80670
#1	.09348	101.89	.41638	.42084	1.1034	.39068	173.24	.37931	.47084
#2	.09191	103.04	.41704	.42100	1.1133	.39531	174.93	.37887	.46550
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Cr2677	Cu3247	Fe2714	K_7664	K_7664-2	Li6707	Mg2790	Mn2576	Mo2020
Line	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}	766.490 { 44}2	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}
IS Ref	(Y_3600)	(Y_3600)	(Y_3774)	(Y_3774)	(Y_3774)	(Y_3774)	(Y_3600)	(Y_3600)	(Y_2243)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.49067**	**.58338**	**171.41**	**29.804**	**32.131**	**.54449**	**72.203**	**4.4754**	**.37601**
Stddev	.00267	.00186	1.00	.147	.130	.00325	.418	.0194	.00204
%RSD	.54497	.31922	.58217	.49298	.40409	.59602	.57958	.43391	.54176
#1	.49256	.58469	170.70	29.700	32.039	.54220	72.499	4.4892	.37745
#2	.48878	.58206	172.11	29.908	32.223	.54679	71.907	4.4617	.37457
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Na5895	Ni2316	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899	Sr4077
Line	589.592 { 57}	231.604 {446}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}2	189.989 {477}	407.771 { 83}
IS Ref	(Y_3774)	(In2306)	(In2306)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3774)	(In2306)	(Y_3774)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**19.769**	**.56463**	**.57460**	**3.995**	**.30367**	**.36125**	**49.139**	**.42351**	**.99859**
Stddev	.097	.00286	.00519	.003	.00119	.00146	.215	.00132	.00244
%RSD	.49265	.50720	.90309	.0656	.39141	.40375	.43686	.31204	.24464
#1	19.700	.56666	.57827	3.993	.30283	.36022	48.987	.42444	.99687
#2	19.838	.56261	.57093	3.997	.30451	.36228	49.291	.42258	1.0003
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Ti3349	Tl1908	V_2924	Zn2062
Line	334.904 {101}	190.856 {477}	292.402 {115}	206.200 {163}
IS Ref	(Y_3600)	(In2306)	(Y_3600)	(Y_3600)
Units	ppm	ppm	ppm	ppm
Avg	**1.4134**	**.38356**	**.53649**	**.88902**
Stddev	.0162	.00444	.00130	.00586
%RSD	1.1482	1.1570	.24160	.65945
#1	1.4249	.38670	.53740	.89317
#2	1.4019	.38042	.53557	.88487
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				
Low Limit				

Int. Std.	In2306	Y_2243	Y_3600	Y_3774
Line	230.606 {446}	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**1712.1**	**2781.1**	**24669.**	**4973.5**
Stddev	5.4	4.3	116.	20.6
%RSD	.31506	.15582	.47017	.41414
#1	1708.3	2784.1	24587.	4988.1
#2	1715.9	2778.0	24751.	4959.0

Sample Name: CCV Acquired: 4/5/2012 19:30:33 Type: QC
Method: ICAP1(v261) Mode: CONC Corr. Factor: 1.000000
User: MDM Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	B_2089	Ba4554	Be3130	Ca3179	Cd2288	Co2286	Cr2677	Cu3247	Fe2599	K_7664
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.49625**	**24.881**	**.49419**	**.48861**	**.51038**	**.50006**	**24.941**	**.50037**	**.48445**	**.49449**	**.48888**	**25.234**	**24.947**
Stddev	.00477	.008	.00392	.00217	.00164	.00161	.041	.00208	.00255	.00092	.00073	.094	.043
%RSD	.96127	.03384	.79309	.44451	.32095	.32265	.16595	.41654	.52725	.18580	.15005	.37249	.17180
#1	.49962	24.887	.49696	.49015	.50922	.49892	24.911	.50185	.48626	.49384	.48836	25.300	24.917
#2	.49288	24.875	.49142	.48708	.51154	.50120	24.970	.49890	.48264	.49514	.48940	25.167	24.977
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value													
Range													

Elem	K_7664-2	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**25.143**	**.49415**	**25.048**	**.51141**	**.50033**	**24.753**	**.49157**	**.49277**	**25.11**	**.49966**	**.48920**	**24.415**	**.50813**
Stddev	.450	.00089	.095	.00022	.00257	.072	.00138	.00206	.11	.00040	.00048	.015	.00287
%RSD	1.7884	.17998	.38024	.04304	.51383	.28997	.28117	.41739	.4286	.07977	.09791	.06097	.56441
#1	25.461	.49478	25.116	.51157	.50215	24.703	.49255	.49422	25.19	.49995	.48886	24.404	.51016
#2	24.825	.49352	24.981	.51126	.49852	24.804	.49060	.49132	25.04	.49938	.48954	24.425	.50610
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value													
Range													

Elem	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm
Avg	**.49476**	**.50118**	**.49919**	**.49140**	**.49436**
Stddev	.00171	.00029	.00697	.00109	.00063
%RSD	.34609	.05760	1.3961	.22140	.12812
#1	.49355	.50098	.50412	.49063	.49480
#2	.49598	.50139	.49427	.49216	.49391
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value					
Range					

Int. Std.	In2306	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**1920.0**	**2817.0**	**24956.**	**4776.0**
Stddev	4.1	5.7	16.	32.9
%RSD	.21561	.20063	.06255	.68882
#1	1917.1	2813.0	24967.	4752.7
#2	1923.0	2821.0	24945.	4799.2

Sample Name: CCB Acquired: 4/5/2012 19:32:50 Type: QC
Method: ICAP1(v261) Mode: CONC Corr. Factor: 1.000000
User: MDM Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	B_2089	Ba4554-2	Be3130	Ca3179	Cd2288	Co2286	Cr2677	Cu3247	Fe2599	K_7664
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00078**	**.02008**	**.00130**	**.00137**	**.00005**	**-.00001**	**.00634**	**.00003**	**-.00001**	**-.00031**	**-.00048**	**-.00091**	**-.02993**
Stddev	.00010	.00348	.00251	.00003	.00000	.00007	.00372	.00008	.00019	.00043	.00023	.00833	.01901
%RSD	12.518	17.311	192.85	2.1032	1.8299	695.73	58.613	290.05	1665.1	140.80	47.263	912.95	63.513
#1	-.00085	.02254	-.00047	.00135	.00005	.00004	.00897	.00008	.00012	.00000	-.00032	.00498	-.04338
#2	-.00071	.01762	.00308	.00139	.00005	-.00006	.00371	-.00003	-.00014	-.00061	-.00064	-.00680	-.01649
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit													
Low Limit													

Elem	K_7664-2	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00244**	**-.00003**	**.00968**	**.00005**	**.00037**	**.02406**	**-.00013**	**.00101**	F **-.0041**	**.00222**	**.00045**	**.03279**	**.00029**
Stddev	.00027	.00073	.00371	.00014	.00017	.00104	.00051	.00058	.0016	.00149	.00226	.00205	.00028
%RSD	11.174	2126.4	38.290	274.52	45.586	4.3098	400.73	57.815	38.62	67.423	507.43	6.2613	94.438
#1	.00264	-.00055	.00706	-.00005	.00049	.02480	-.00048	.00142	-.0030	.00116	.00205	.03424	.00010
#2	.00225	.00048	.01230	.00015	.00025	.02333	.00023	.00059	-.0052	.00327	-.00115	.03133	.00049
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									.0030				
Low Limit									-.0040				

Elem	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm
Avg	**-.00004**	**-.00013**	**-.00081**	**-.00071**	**-.00039**
Stddev	.00002	.00017	.00279	.00068	.00065
%RSD	62.399	123.47	346.81	96.184	164.85
#1	-.00005	-.00025	-.00278	-.00119	.00006
#2	-.00002	-.00002	.00117	-.00023	-.00085
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Int. Std.	In2306	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**2038.6**	**2822.0**	**25269.**	**4720.6**
Stddev	.3	2.3	107.	24.4
%RSD	.01361	.08269	.42528	.51689
#1	2038.8	2823.7	25345.	4703.3
#2	2038.4	2820.4	25193.	4737.8

Sample Name: 480-18068-C-3-C MSD Acquired: 4/5/2012 19:35:14 Type: Unk
Method: ICAP1(v261) Mode: CONC Corr. Factor: 1.000000
User: MDM Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	B_2089	Ba4554	Be3130	Ca3179	Cd2288	Co2286
Line	328.068 {103}	308.215 {109}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	317.933 {106}	228.802 {447}	228.616 {447}
IS Ref	(Y_3600)	(Y_3774)	(Y_2243)	(Y_2243)	(Y_3774)	(Y_3774)	(Y_3774)	(Y_2243)	(In2306)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.08743**	**101.08**	**.39423**	**.40470**	**1.0532**	**.36893**	**147.27**	**.35389**	**.43249**
Stddev	.00008	1.08	.00257	.00388	.0004	.00166	1.23	.00223	.00238
%RSD	.09602	1.0651	.65278	.95861	.03483	.45024	.83493	.62950	.55017
#1	.08737	101.84	.39605	.40744	1.0529	.37011	148.14	.35546	.43418
#2	.08749	100.32	.39241	.40196	1.0535	.36776	146.40	.35231	.43081
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Cr2677	Cu3247	Fe2714	K_7664	K_7664-2	Li6707	Mg2790	Mn2576	Mo2020
Line	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}	766.490 { 44}2	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}
IS Ref	(Y_3600)	(Y_3600)	(Y_3774)	(Y_3774)	(Y_3774)	(Y_3774)	(Y_3600)	(Y_3600)	(Y_2243)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.46662**	**.56818**	**168.92**	**31.011**	**32.538**	**.50318**	**63.358**	**4.8483**	**.35296**
Stddev	.00084	.00012	1.45	.129	.540	.00451	.120	.0097	.00224
%RSD	.18077	.02050	.85924	.41710	1.6582	.89534	.18998	.20074	.63481
#1	.46602	.56810	169.95	31.103	32.156	.50636	63.443	4.8552	.35455
#2	.46721	.56826	167.89	30.920	32.919	.49999	63.273	4.8415	.35138
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Na5895	Ni2316	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899	Sr4077
Line	589.592 { 57}	231.604 {446}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}2	189.989 {477}	407.771 { 83}
IS Ref	(Y_3774)	(In2306)	(In2306)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3774)	(In2306)	(Y_3774)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**18.416**	**.53508**	**.53845**	**4.032**	**.26787**	**.34222**	**44.149**	**.37799**	**.89155**
Stddev	.132	.00377	.00331	.037	.00254	.00622	.682	.00078	.00294
%RSD	.71802	.70485	.61549	.9237	.94971	1.8184	1.5444	.20661	.32948
#1	18.510	.53774	.53611	4.058	.26967	.34662	44.631	.37854	.89362
#2	18.323	.53241	.54080	4.005	.26607	.33782	43.667	.37743	.88947
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Ti3349	Tl1908	V_2924	Zn2062
Line	334.904 {101}	190.856 {477}	292.402 {115}	206.200 {163}
IS Ref	(Y_3600)	(In2306)	(Y_3600)	(Y_3600)
Units	ppm	ppm	ppm	ppm
Avg	**1.4086**	**.35979**	**.51273**	**.83293**
Stddev	.0076	.00216	.00168	.00217
%RSD	.54032	.60018	.32724	.26087
#1	1.4032	.36131	.51392	.83447
#2	1.4140	.35826	.51155	.83139
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				
Low Limit				

Int. Std.	In2306	Y_2243	Y_3600	Y_3774
Line	230.606 {446}	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**1733.0**	**2790.9**	**24584.**	**4923.4**
Stddev	.3	4.8	86.	7.4
%RSD	.01600	.17139	.34796	.15093
#1	1733.2	2787.5	24523.	4918.2
#2	1732.8	2794.3	24644.	4928.7

Sample Name: 480-18068-C-4-A Acquired: 4/5/2012 19:37:35 Type: Unk
Method: ICAP1(v261) Mode: CONC Corr. Factor: 1.000000
User: MDM Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	B_2089	Ba4554	Be3130	Ca3179	Cd2288	Co2286
Line	328.068 {103}	308.215 {109}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	317.933 {106}	228.802 {447}	228.616 {447}
IS Ref	(Y_3600)	(Y_3774)	(Y_2243)	(Y_2243)	(Y_3774)	(Y_3774)	(Y_3774)	(Y_2243)	(In2306)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00235**	**55.723**	**.03940**	**.03507**	**.47715**	**.00369**	**131.05**	**.00195**	**.05611**
Stddev	.00004	.398	.00427	.00008	.00190	.00010	.48	.00007	.00065
%RSD	1.8296	.71416	10.828	.24217	.39822	2.6786	.36320	3.6434	1.1497
#1	-.00239	56.004	.03638	.03513	.47849	.00376	131.38	.00190	.05656
#2	-.00232	55.441	.04241	.03501	.47580	.00362	130.71	.00200	.05565
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Cr2677	Cu3247	Fe2714	K_7664	K_7664-2	Li6707	Mg2790	Mn2576	Mo2020
Line	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}	766.490 { 44}2	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}
IS Ref	(Y_3600)	(Y_3600)	(Y_3774)	(Y_3774)	(Y_3774)	(Y_3774)	(Y_3600)	(Y_3600)	(Y_2243)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.09684**	**.13095**	**127.30**	**7.6464**	**7.9859**	**.11085**	**45.392**	**3.1023**	**.00306**
Stddev	.00034	.00135	.20	.0230	.0626	.00054	.380	.0180	.00045
%RSD	.35090	1.0344	.15812	.30077	.78407	.48400	.83665	.58128	14.819
#1	.09708	.13190	127.44	7.6627	8.0302	.11047	45.661	3.1150	.00274
#2	.09660	.12999	127.16	7.6302	7.9416	.11123	45.124	3.0895	.00338
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Na5895	Ni2316	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899	Sr4077
Line	589.592 { 57}	231.604 {446}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}2	189.989 {477}	407.771 { 83}
IS Ref	(Y_3774)	(In2306)	(In2306)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3774)	(In2306)	(Y_3774)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.56416**	**.13215**	**.10796**	**3.159**	**-.00260**	**-.00076**	**20.485**	**.01975**	**.48609**
Stddev	.00279	.00024	.00167	.027	.00043	.00538	.066	.00015	.00357
%RSD	.49495	.18445	1.5436	.8476	16.586	707.46	.32367	.75038	.73442
#1	.56219	.13232	.10914	3.177	-.00229	.00304	20.438	.01985	.48862
#2	.56613	.13198	.10678	3.140	-.00290	-.00457	20.532	.01964	.48357
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Ti3349	Tl1908	V_2924	Zn2062
Line	334.904 {101}	190.856 {477}	292.402 {115}	206.200 {163}
IS Ref	(Y_3600)	(In2306)	(Y_3600)	(Y_3600)
Units	ppm	ppm	ppm	ppm
Avg	**.86252**	**-.00351**	**.12141**	**.43935**
Stddev	.00005	.00105	.00236	.00725
%RSD	.00634	30.061	1.9406	1.6508
#1	.86248	-.00425	.12307	.44448
#2	.86256	-.00276	.11974	.43422
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				
Low Limit				

Int. Std.	In2306	Y_2243	Y_3600	Y_3774
Line	230.606 {446}	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**1798.4**	**2826.5**	**25070.**	**4948.1**
Stddev	.3	2.0	156.	8.7
%RSD	.01586	.07050	.62203	.17631
#1	1798.2	2825.1	24960.	4941.9
#2	1798.6	2827.9	25180.	4954.3

Sample Name: 480-18068-C-5-A Acquired: 4/5/2012 19:39:57 Type: Unk
Method: ICAP1(v261) Mode: CONC Corr. Factor: 1.000000
User: MDM Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	B_2089	Ba4554	Be3130	Ca3179	Cd2288	Co2286
Line	328.068 {103}	308.215 {109}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	317.933 {106}	228.802 {447}	228.616 {447}
IS Ref	(Y_3600)	(Y_3774)	(Y_2243)	(Y_2243)	(Y_3774)	(Y_3774)	(Y_3774)	(Y_2243)	(In2306)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00149**	**56.011**	**.04369**	**.03910**	**.54094**	**.00367**	**194.42**	**.00249**	**.05997**
Stddev	.00030	.388	.00348	.00032	.00226	.00009	1.07	.00023	.00014
%RSD	20.357	.69258	7.9750	.82309	.41868	2.4669	.55139	9.2644	.23458
#1	-.00171	55.736	.04122	.03932	.53934	.00373	193.67	.00233	.06007
#2	-.00128	56.285	.04615	.03887	.54254	.00361	195.18	.00266	.05987
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Cr2677	Cu3247	Fe2714	K_7664	K_7664-2	Li6707	Mg2790	Mn2576	Mo2020
Line	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}	766.490 { 44}2	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}
IS Ref	(Y_3600)	(Y_3600)	(Y_3774)	(Y_3774)	(Y_3774)	(Y_3774)	(Y_3600)	(Y_3600)	(Y_2243)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.12425**	**.15842**	**132.35**	**7.8286**	**8.4849**	**.11465**	**75.419**	**3.6316**	**.00362**
Stddev	.00031	.00003	1.55	.0280	.0374	.00172	.034	.0001	.00022
%RSD	.24724	.01908	1.1677	.35831	.44111	1.4979	.04543	.00147	6.0333
#1	.12404	.15844	131.26	7.8087	8.5114	.11344	75.395	3.6316	.00347
#2	.12447	.15840	133.44	7.8484	8.4584	.11587	75.444	3.6316	.00377
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Na5895	Ni2316	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899	Sr4077
Line	589.592 { 57}	231.604 {446}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}2	189.989 {477}	407.771 { 83}
IS Ref	(Y_3774)	(In2306)	(In2306)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3774)	(In2306)	(Y_3774)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.62080**	**.14431**	**.14077**	**4.369**	**-.00235**	**.00404**	**22.836**	**.02279**	**.56553**
Stddev	.00535	.00036	.00096	.023	.00114	.00189	.042	.00019	.00039
%RSD	.86105	.24725	.68497	.5274	48.631	46.848	.18209	.82176	.06819
#1	.61702	.14456	.14146	4.385	-.00316	.00538	22.807	.02292	.56526
#2	.62458	.14406	.14009	4.352	-.00154	.00270	22.866	.02266	.56581
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Ti3349	Tl1908	V_2924	Zn2062
Line	334.904 {101}	190.856 {477}	292.402 {115}	206.200 {163}
IS Ref	(Y_3600)	(In2306)	(Y_3600)	(Y_3600)
Units	ppm	ppm	ppm	ppm
Avg	**.92756**	**-.00568**	**.12310**	**.48911**
Stddev	.00150	.00215	.00019	.00566
%RSD	.16122	37.803	.15384	1.1562
#1	.92650	-.00720	.12324	.48511
#2	.92862	-.00417	.12297	.49311
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				
Low Limit				

Int. Std.	In2306	Y_2243	Y_3600	Y_3774
Line	230.606 {446}	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**1747.5**	**2782.8**	**24678.**	**4949.2**
Stddev	2.4	9.6	23.	27.1
%RSD	.13755	.34477	.09135	.54846
#1	1745.8	2776.0	24662.	4968.4
#2	1749.2	2789.6	24694.	4930.0

Sample Name: 480-18068-C-6-B Acquired: 4/5/2012 19:42:19 Type: Unk
Method: ICAP1(v261) Mode: CONC Corr. Factor: 1.000000
User: MDM Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	B_2089	Ba4554	Be3130	Ca3179	Cd2288	Co2286
Line	328.068 {103}	308.215 {109}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	317.933 {106}	228.802 {447}	228.616 {447}
IS Ref	(Y_3600)	(Y_3774)	(Y_2243)	(Y_2243)	(Y_3774)	(Y_3774)	(Y_3774)	(Y_2243)	(In2306)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00114**	**61.959**	**.04682**	**.04112**	**.61919**	**.00400**	**177.59**	**.00258**	**.06568**
Stddev	.00036	.145	.00136	.00048	.00068	.00020	.55	.00030	.00036
%RSD	31.063	.23379	2.9032	1.1572	.10938	5.0154	.30968	11.834	.55044
#1	-.00089	61.856	.04778	.04078	.61967	.00414	177.20	.00279	.06594
#2	-.00140	62.061	.04586	.04145	.61871	.00385	177.98	.00236	.06542
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Cr2677	Cu3247	Fe2714	K_7664	K_7664-2	Li6707	Mg2790	Mn2576	Mo2020
Line	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}	766.490 { 44}2	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}
IS Ref	(Y_3600)	(Y_3600)	(Y_3774)	(Y_3774)	(Y_3774)	(Y_3774)	(Y_3600)	(Y_3600)	(Y_2243)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.11299**	**.16791**	**143.89**	**8.6934**	**9.4851**	**.12602**	**59.963**	**4.0696**	**.00408**
Stddev	.00016	.00072	.11	.0023	.1791	.00165	.085	.0095	.00001
%RSD	.14250	.42897	.07937	.02622	1.8881	1.3085	.14246	.23381	.22681
#1	.11288	.16842	143.97	8.6950	9.3585	.12719	59.903	4.0629	.00407
#2	.11311	.16740	143.81	8.6918	9.6118	.12485	60.024	4.0763	.00408
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Na5895	Ni2316	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899	Sr4077
Line	589.592 { 57}	231.604 {446}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}2	189.989 {477}	407.771 { 83}
IS Ref	(Y_3774)	(In2306)	(In2306)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3774)	(In2306)	(Y_3774)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.62637**	**.15530**	**.16218**	**5.012**	**-.00081**	**.00030**	**24.660**	**.02339**	**.65353**
Stddev	.00785	.00060	.00264	.010	.00035	.00144	.065	.00010	.00017
%RSD	1.2531	.38366	1.6306	.1919	42.697	472.23	.26372	.42296	.02556
#1	.63192	.15488	.16405	5.019	-.00057	.00132	24.614	.02332	.65365
#2	.62082	.15572	.16031	5.005	-.00106	-.00071	24.706	.02346	.65342
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Ti3349	Tl1908	V_2924	Zn2062
Line	334.904 {101}	190.856 {477}	292.402 {115}	206.200 {163}
IS Ref	(Y_3600)	(In2306)	(Y_3600)	(Y_3600)
Units	ppm	ppm	ppm	ppm
Avg	**.94176**	**-.00504**	**.12985**	**.51114**
Stddev	.00979	.00292	.00082	.00187
%RSD	1.0398	58.050	.63283	.36509
#1	.93484	-.00711	.12927	.50982
#2	.94869	-.00297	.13043	.51246
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				
Low Limit				

Int. Std.	In2306	Y_2243	Y_3600	Y_3774
Line	230.606 {446}	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**1752.7**	**2787.4**	**24864.**	**4980.3**
Stddev	1.4	.1	157.	7.1
%RSD	.07719	.00506	.63109	.14184
#1	1753.7	2787.5	24975.	4985.3
#2	1751.7	2787.3	24753.	4975.3

Sample Name: 480-18068-C-7-A Acquired: 4/5/2012 19:44:45 Type: Unk
Method: ICAP1(v261) Mode: CONC Corr. Factor: 1.000000
User: MDM Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	B_2089	Ba4554	Be3130	Ca3179	Cd2288	Co2286
Line	328.068 {103}	308.215 {109}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	317.933 {106}	228.802 {447}	228.616 {447}
IS Ref	(Y_3600)	(Y_3774)	(Y_2243)	(Y_2243)	(Y_3774)	(Y_3774)	(Y_3774)	(Y_2243)	(In2306)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00057**	**48.329**	**.19335**	**.03724**	**.60675**	**.00368**	**75.958**	**.00365**	**.07262**
Stddev	.00027	.446	.00180	.00091	.00140	.00007	.174	.00015	.00022
%RSD	46.383	.92312	.92926	2.4342	.23082	1.8143	.22912	4.1439	.30304
#1	-.00038	48.013	.19208	.03789	.60774	.00363	75.835	.00375	.07278
#2	-.00076	48.644	.19462	.03660	.60576	.00373	76.081	.00354	.07247
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Cr2677	Cu3247	Fe2714	K_7664	K_7664-2	Li6707	Mg2790	Mn2576	Mo2020
Line	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}	766.490 { 44}2	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}
IS Ref	(Y_3600)	(Y_3600)	(Y_3774)	(Y_3774)	(Y_3774)	(Y_3774)	(Y_3600)	(Y_3600)	(Y_2243)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.17490**	**2.0058**	**319.45**	**6.8096**	**6.9051**	**.09348**	**27.166**	**3.4846**	**.00850**
Stddev	.00069	.0043	1.42	.0085	.0122	.00092	.119	.0077	.00008
%RSD	.39706	.21445	.44585	.12429	.17650	.98537	.43781	.22098	.90668
#1	.17441	2.0027	318.45	6.8156	6.9137	.09413	27.082	3.4791	.00855
#2	.17539	2.0088	320.46	6.8036	6.8964	.09283	27.250	3.4900	.00844
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Na5895	Ni2316	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899	Sr4077
Line	589.592 { 57}	231.604 {446}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}2	189.989 {477}	407.771 { 83}
IS Ref	(Y_3774)	(In2306)	(In2306)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3774)	(In2306)	(Y_3774)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.60992**	**.18624**	**1.0551**	**3.936**	**.00762**	**.00065**	**22.849**	**.09825**	**.34560**
Stddev	.00094	.00139	.0055	.013	.00274	.00320	.069	.00045	.00024
%RSD	.15347	.74884	.52150	.3349	35.919	494.86	.30169	.46002	.06919
#1	.61058	.18722	1.0590	3.946	.00956	.00291	22.800	.09857	.34543
#2	.60926	.18525	1.0512	3.927	.00569	-.00162	22.898	.09793	.34577
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Ti3349	Tl1908	V_2924	Zn2062
Line	334.904 {101}	190.856 {477}	292.402 {115}	206.200 {163}
IS Ref	(Y_3600)	(In2306)	(Y_3600)	(Y_3600)
Units	ppm	ppm	ppm	ppm
Avg	**1.4023**	**-.00485**	**.18543**	**.91389**
Stddev	.0172	.00064	.00000	.00318
%RSD	1.2276	13.234	.00178	.34835
#1	1.3901	-.00440	.18543	.91164
#2	1.4144	-.00531	.18543	.91614
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				
Low Limit				

Int. Std.	In2306	Y_2243	Y_3600	Y_3774
Line	230.606 {446}	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**1805.0**	**2776.7**	**24725.**	**4871.5**
Stddev	6.2	8.6	16.	32.1
%RSD	.34192	.30811	.06506	.65941
#1	1800.6	2770.7	24736.	4848.8
#2	1809.3	2782.8	24714.	4894.3

Sample Name: 480-18068-C-8-A Acquired: 4/5/2012 19:47:04 Type: Unk
Method: ICAP1(v261) Mode: CONC Corr. Factor: 1.000000
User: MDM Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	B_2089	Ba4554	Be3130	Ca3179	Cd2288	Co2286
Line	328.068 {103}	308.215 {109}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	317.933 {106}	228.802 {447}	228.616 {447}
IS Ref	(Y_3600)	(Y_3774)	(Y_2243)	(Y_2243)	(Y_3774)	(Y_3774)	(Y_3774)	(Y_2243)	(In2306)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00266**	**48.147**	**.13797**	**.03799**	**.55856**	**.00410**	**65.561**	**.00252**	**.08704**
Stddev	.00063	.078	.00210	.00056	.00254	.00003	.087	.00010	.00112
%RSD	23.657	.16127	1.5253	1.4801	.45538	.80244	.13338	3.9131	1.2836
#1	-.00310	48.092	.13648	.03839	.56035	.00413	65.499	.00245	.08783
#2	-.00221	48.202	.13946	.03759	.55676	.00408	65.622	.00259	.08625
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Cr2677	Cu3247	Fe2714	K_7664	K_7664-2	Li6707	Mg2790	Mn2576	Mo2020
Line	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}	766.490 { 44}2	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}
IS Ref	(Y_3600)	(Y_3600)	(Y_3774)	(Y_3774)	(Y_3774)	(Y_3774)	(Y_3600)	(Y_3600)	(Y_2243)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.15177**	**.76787**	F **415.83**	**6.6768**	**6.7332**	**.09654**	**22.411**	**3.9349**	**.00782**
Stddev	.00005	.00463	.92	.0061	.0168	.00021	.074	.0059	.00019
%RSD	.03333	.60256	.22083	.09165	.24925	.21294	.33173	.15088	2.4455
#1	.15174	.77114	415.18	6.6811	6.7451	.09639	22.358	3.9307	.00796
#2	.15181	.76460	416.48	6.6725	6.7214	.09668	22.463	3.9391	.00769
Check ?	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit			400.00						
Low Limit			-.05000						

Elem	Na5895	Ni2316	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899	Sr4077
Line	589.592 { 57}	231.604 {446}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}2	189.989 {477}	407.771 { 83}
IS Ref	(Y_3774)	(In2306)	(In2306)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3774)	(In2306)	(Y_3774)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.62784**	**.19535**	**.54273**	**3.883**	**-.00251**	**.00390**	**23.550**	**.05316**	**.38704**
Stddev	.00007	.00013	.00630	.011	.00034	.00241	.111	.00022	.00010
%RSD	.01098	.06537	1.1601	.2751	13.685	61.733	.46996	.40783	.02625
#1	.62779	.19545	.54719	3.891	-.00276	.00561	23.472	.05332	.38712
#2	.62789	.19526	.53828	3.875	-.00227	.00220	23.628	.05301	.38697
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Ti3349	Tl1908	V_2924	Zn2062
Line	334.904 {101}	190.856 {477}	292.402 {115}	206.200 {163}
IS Ref	(Y_3600)	(In2306)	(Y_3600)	(Y_3600)
Units	ppm	ppm	ppm	ppm
Avg	**1.0853**	**-.00464**	**.16188**	**.57759**
Stddev	.0070	.00089	.00061	.00154
%RSD	.64361	19.130	.37590	.26699
#1	1.0804	-.00527	.16231	.57650
#2	1.0903	-.00401	.16145	.57868
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				
Low Limit				

Int. Std.	In2306	Y_2243	Y_3600	Y_3774
Line	230.606 {446}	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**1809.5**	**2799.2**	**24667.**	**4837.2**
Stddev	2.6	.9	70.	6.2
%RSD	.14242	.03389	.28377	.12781
#1	1807.7	2799.9	24717.	4832.8
#2	1811.3	2798.5	24618.	4841.6

Sample Name: 480-18068-C-9-A Acquired: 4/5/2012 19:49:19 Type: Unk
Method: ICAP1(v261) Mode: CONC Corr. Factor: 1.000000
User: MDM Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	B_2089	Ba4554	Be3130	Ca3179	Cd2288	Co2286
Line	328.068 {103}	308.215 {109}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	317.933 {106}	228.802 {447}	228.616 {447}
IS Ref	(Y_3600)	(Y_3774)	(Y_2243)	(Y_2243)	(Y_3774)	(Y_3774)	(Y_3774)	(Y_2243)	(In2306)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00278**	**48.987**	**.10972**	**.03342**	**.51252**	**.00415**	**41.177**	**.00232**	**.07326**
Stddev	.00078	.015	.00017	.00006	.00307	.00014	.029	.00000	.00099
%RSD	28.002	.03059	.15409	.18691	.59972	3.2925	.06945	.13098	1.3538
#1	-.00333	48.997	.10984	.03347	.51470	.00424	41.156	.00232	.07396
#2	-.00223	48.976	.10960	.03338	.51035	.00405	41.197	.00233	.07256
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Cr2677	Cu3247	Fe2714	K_7664	K_7664-2	Li6707	Mg2790	Mn2576	Mo2020
Line	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}	766.490 { 44}2	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}
IS Ref	(Y_3600)	(Y_3600)	(Y_3774)	(Y_3774)	(Y_3774)	(Y_3774)	(Y_3600)	(Y_3600)	(Y_2243)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.14459**	**.75921**	**204.61**	**7.2055**	**6.8806**	**.10436**	**18.265**	**3.0238**	**.00911**
Stddev	.00057	.00231	.44	.0033	.0726	.00081	.007	.0045	.00036
%RSD	.39300	.30382	.21623	.04626	1.0555	.78041	.04030	.14963	3.9591
#1	.14419	.76084	204.29	7.2032	6.9320	.10494	18.270	3.0206	.00937
#2	.14499	.75758	204.92	7.2079	6.8293	.10378	18.260	3.0270	.00886
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Na5895	Ni2316	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899	Sr4077
Line	589.592 { 57}	231.604 {446}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}2	189.989 {477}	407.771 { 83}
IS Ref	(Y_3774)	(In2306)	(In2306)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3774)	(In2306)	(Y_3774)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.59213**	**.17200**	**.65406**	**2.484**	**.00116**	**.00364**	**21.794**	**.05038**	**.23943**
Stddev	.00766	.00240	.00288	.013	.00201	.00488	.154	.00188	.00066
%RSD	1.2942	1.3937	.44089	.5232	172.39	133.99	.70484	3.7348	.27491
#1	.58671	.17369	.65610	2.494	-.00026	.00019	21.685	.05171	.23989
#2	.59755	.17030	.65202	2.475	.00258	.00709	21.902	.04905	.23896
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Ti3349	Tl1908	V_2924	Zn2062
Line	334.904 {101}	190.856 {477}	292.402 {115}	206.200 {163}
IS Ref	(Y_3600)	(In2306)	(Y_3600)	(Y_3600)
Units	ppm	ppm	ppm	ppm
Avg	**2.4583**	**-.00603**	**.17466**	**.59411**
Stddev	.0102	.00132	.00017	.00224
%RSD	.41647	21.890	.09533	.37685
#1	2.4510	-.00510	.17454	.59252
#2	2.4655	-.00696	.17477	.59569
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				
Low Limit				

Int. Std.	In2306	Y_2243	Y_3600	Y_3774
Line	230.606 {446}	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**1861.1**	**2834.8**	**25149.**	**4874.1**
Stddev	3.3	1.1	14.	27.6
%RSD	.17825	.03955	.05609	.56525
#1	1858.7	2834.0	25139.	4854.6
#2	1863.4	2835.6	25159.	4893.5

Sample Name: 480-18068-C-10-B Acquired: 4/5/2012 19:51:35 Type: Unk
Method: ICAP1(v261) Mode: CONC Corr. Factor: 1.000000
User: MDM Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	B_2089	Ba4554	Be3130	Ca3179	Cd2288	Co2286
Line	328.068 {103}	308.215 {109}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	317.933 {106}	228.802 {447}	228.616 {447}
IS Ref	(Y_3600)	(Y_3774)	(Y_2243)	(Y_2243)	(Y_3774)	(Y_3774)	(Y_3774)	(Y_2243)	(In2306)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00089**	**42.922**	**.52168**	**.04383**	**.73370**	**.00411**	**253.60**	**.00280**	**.06923**
Stddev	.00101	.047	.00475	.00018	.00168	.00006	.52	.00010	.00050
%RSD	113.85	.11025	.91085	.42044	.22892	1.5028	.20421	3.4324	.71527
#1	-.00017	42.889	.52504	.04396	.73489	.00407	253.96	.00274	.06958
#2	-.00160	42.956	.51832	.04370	.73251	.00415	253.23	.00287	.06888
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Cr2677	Cu3247	Fe2714	K_7664	K_7664-2	Li6707	Mg2790	Mn2576	Mo2020
Line	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}	766.490 { 44}2	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}
IS Ref	(Y_3600)	(Y_3600)	(Y_3774)	(Y_3774)	(Y_3774)	(Y_3774)	(Y_3600)	(Y_3600)	(Y_2243)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.22453**	**1.3905**	**282.95**	**6.1806**	**7.0041**	**.08293**	**18.389**	**3.0876**	**.02417**
Stddev	.00202	.0061	.14	.0372	.0426	.00077	.013	.0024	.00005
%RSD	.90121	.44128	.04879	.60138	.60798	.93145	.07159	.07808	.21489
#1	.22310	1.3862	283.04	6.1544	6.9740	.08348	18.398	3.0859	.02421
#2	.22596	1.3949	282.85	6.2069	7.0342	.08238	18.380	3.0893	.02414
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Na5895	Ni2316	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899	Sr4077
Line	589.592 { 57}	231.604 {446}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}2	189.989 {477}	407.771 { 83}
IS Ref	(Y_3774)	(In2306)	(In2306)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3774)	(In2306)	(Y_3774)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.70910**	**.24800**	**1.3388**	**3.768**	**.01925**	**.01176**	**22.704**	**.10499**	**.94846**
Stddev	.00143	.00181	.0071	.029	.00080	.01169	.042	.00031	.00084
%RSD	.20224	.72929	.53363	.7800	4.1774	99.395	.18469	.29378	.08806
#1	.71012	.24928	1.3438	3.789	.01869	.00349	22.675	.10521	.94787
#2	.70809	.24672	1.3337	3.747	.01982	.02002	22.734	.10477	.94905
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Ti3349	Tl1908	V_2924	Zn2062
Line	334.904 {101}	190.856 {477}	292.402 {115}	206.200 {163}
IS Ref	(Y_3600)	(In2306)	(Y_3600)	(Y_3600)
Units	ppm	ppm	ppm	ppm
Avg	**1.9603**	**-.00220**	**.16442**	**.92878**
Stddev	.0001	.00146	.00068	.00040
%RSD	.00347	66.200	.41162	.04309
#1	1.9604	-.00323	.16395	.92906
#2	1.9603	-.00117	.16490	.92850
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				
Low Limit				

Int. Std.	In2306	Y_2243	Y_3600	Y_3774
Line	230.606 {446}	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**1743.0**	**2728.2**	**24174.**	**4826.1**
Stddev	3.4	1.7	61.	20.7
%RSD	.19623	.06320	.25107	.42856
#1	1740.5	2727.0	24217.	4811.5
#2	1745.4	2729.4	24131.	4840.7

Sample Name: 480-18068-C-11-A Acquired: 4/5/2012 19:53:54 Type: Unk
Method: ICAP1(v261) Mode: CONC Corr. Factor: 1.000000
User: MDM Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	B_2089	Ba4554	Be3130	Ca3179	Cd2288	Co2286
Line	328.068 {103}	308.215 {109}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	317.933 {106}	228.802 {447}	228.616 {447}
IS Ref	(Y_3600)	(Y_3774)	(Y_2243)	(Y_2243)	(Y_3774)	(Y_3774)	(Y_3774)	(Y_2243)	(In2306)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00070**	**41.728**	**.28835**	**.03956**	**.68282**	**.00399**	**43.715**	**.00300**	**.06052**
Stddev	.00049	.335	.00096	.00037	.00563	.00008	.321	.00016	.00037
%RSD	70.664	.80362	.33371	.92458	.82490	2.0710	.73344	5.4196	.61493
#1	.00105	41.491	.28903	.03982	.68681	.00393	43.488	.00312	.06078
#2	.00035	41.965	.28767	.03930	.67884	.00405	43.941	.00289	.06026
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Cr2677	Cu3247	Fe2714	K_7664	K_7664-2	Li6707	Mg2790	Mn2576	Mo2020
Line	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}	766.490 { 44}2	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}
IS Ref	(Y_3600)	(Y_3600)	(Y_3774)	(Y_3774)	(Y_3774)	(Y_3774)	(Y_3600)	(Y_3600)	(Y_2243)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.13633**	**.92263**	**234.83**	**5.9999**	**5.8901**	**.07650**	**15.201**	**2.4472**	**.01853**
Stddev	.00003	.00344	1.67	.0008	.0456	.00036	.090	.0106	.00014
%RSD	.02547	.37273	.71075	.01328	.77439	.47436	.59283	.43285	.77099
#1	.13635	.92019	233.65	5.9993	5.8579	.07676	15.265	2.4547	.01842
#2	.13630	.92506	236.01	6.0004	5.9224	.07625	15.137	2.4397	.01863
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Na5895	Ni2316	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899	Sr4077
Line	589.592 { 57}	231.604 {446}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}2	189.989 {477}	407.771 { 83}
IS Ref	(Y_3774)	(In2306)	(In2306)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3774)	(In2306)	(Y_3774)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.62479**	**.18528**	F **81.450**	**4.846**	**.03772**	**.00303**	**22.258**	**1.7393**	**.44933**
Stddev	.00475	.00027	.299	.019	.00129	.00494	.130	.0103	.00001
%RSD	.75984	.14442	.36669	.3865	3.4125	163.05	.58227	.59354	.00200
#1	.62144	.18547	81.661	4.859	.03863	.00652	22.166	1.7466	.44932
#2	.62815	.18509	81.239	4.833	.03681	-.00046	22.349	1.7320	.44933
Check ?	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit			60.000						
Low Limit			-.00500						

Elem	Ti3349	Tl1908	V_2924	Zn2062
Line	334.904 {101}	190.856 {477}	292.402 {115}	206.200 {163}
IS Ref	(Y_3600)	(In2306)	(Y_3600)	(Y_3600)
Units	ppm	ppm	ppm	ppm
Avg	**1.5225**	**-.00087**	**.14731**	**.61624**
Stddev	.0141	.00378	.00042	.00127
%RSD	.92443	432.25	.28179	.20653
#1	1.5324	.00180	.14702	.61714
#2	1.5125	-.00355	.14760	.61534
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				
Low Limit				

Int. Std.	In2306	Y_2243	Y_3600	Y_3774
Line	230.606 {446}	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**1855.7**	**2808.8**	**24899.**	**4887.3**
Stddev	4.9	.1	38.	25.4
%RSD	.26657	.00365	.15130	.51994
#1	1852.2	2808.8	24926.	4869.3
#2	1859.2	2808.7	24872.	4905.3

Sample Name: 480-18068-C-12-A Acquired: 4/5/2012 19:56:17 Type: Unk
Method: ICAP1(v261) Mode: CONC Corr. Factor: 1.000000
User: MDM Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	B_2089	Ba4554	Be3130	Ca3179	Cd2288	Co2286
Line	328.068 {103}	308.215 {109}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	317.933 {106}	228.802 {447}	228.616 {447}
IS Ref	(Y_3600)	(Y_3774)	(Y_2243)	(Y_2243)	(Y_3774)	(Y_3774)	(Y_3774)	(Y_2243)	(In2306)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00142**	**49.978**	**.36350**	**.04324**	**.74801**	**.00516**	**54.888**	**.00266**	**.06685**
Stddev	.00047	.334	.00159	.00065	.00028	.00025	.374	.00017	.00058
%RSD	33.443	.66915	.43708	1.5082	.03716	4.7986	.68122	6.4067	.86669
#1	-.00108	49.741	.36238	.04370	.74821	.00498	54.624	.00254	.06726
#2	-.00175	50.214	.36463	.04278	.74782	.00533	55.153	.00279	.06644
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Cr2677	Cu3247	Fe2714	K_7664	K_7664-2	Li6707	Mg2790	Mn2576	Mo2020
Line	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}	766.490 { 44}2	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}
IS Ref	(Y_3600)	(Y_3600)	(Y_3774)	(Y_3774)	(Y_3774)	(Y_3774)	(Y_3600)	(Y_3600)	(Y_2243)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.21383**	**1.7674**	F **421.15**	**7.6248**	**7.6538**	**.10271**	**18.864**	**3.2232**	**.01805**
Stddev	.00027	.0107	2.08	.0392	.0691	.00099	.016	.0032	.00016
%RSD	.12625	.60267	.49413	.51466	.90214	.96019	.08581	.09975	.88466
#1	.21364	1.7750	419.68	7.5971	7.7026	.10201	18.876	3.2209	.01794
#2	.21402	1.7599	422.62	7.6526	7.6050	.10340	18.853	3.2254	.01816
Check ?	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit			400.00						
Low Limit			-.05000						

Elem	Na5895	Ni2316	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899	Sr4077
Line	589.592 { 57}	231.604 {446}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}2	189.989 {477}	407.771 { 83}
IS Ref	(Y_3774)	(In2306)	(In2306)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3774)	(In2306)	(Y_3774)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.91064**	**.23121**	**3.0869**	**5.147**	**.01863**	**.00276**	**22.462**	**.22953**	**.46388**
Stddev	.00368	.00129	.0033	.035	.00020	.00700	.089	.00041	.00278
%RSD	.40417	.55605	.10651	.6733	1.0856	253.18	.39486	.17973	.60005
#1	.90804	.23212	3.0893	5.171	.01877	-.00218	22.400	.22982	.46191
#2	.91324	.23030	3.0846	5.122	.01848	.00771	22.525	.22924	.46585
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Ti3349	Tl1908	V_2924	Zn2062
Line	334.904 {101}	190.856 {477}	292.402 {115}	206.200 {163}
IS Ref	(Y_3600)	(In2306)	(Y_3600)	(Y_3600)
Units	ppm	ppm	ppm	ppm
Avg	**1.8096**	**-.00520**	**.19407**	**.73151**
Stddev	.0002	.00149	.00075	.00093
%RSD	.01027	28.607	.38553	.12673
#1	1.8095	-.00415	.19460	.73086
#2	1.8097	-.00625	.19354	.73217
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				
Low Limit				

Int. Std.	In2306	Y_2243	Y_3600	Y_3774
Line	230.606 {446}	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**1823.9**	**2805.8**	**24849.**	**4843.2**
Stddev	1.3	2.5	4.	26.2
%RSD	.07183	.09016	.01781	.53995
#1	1823.0	2807.6	24852.	4861.7
#2	1824.8	2804.0	24846.	4824.7

Sample Name: CCV Acquired: 4/5/2012 19:58:45 Type: QC
Method: ICAP1(v261) Mode: CONC Corr. Factor: 1.000000
User: MDM Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	B_2089	Ba4554	Be3130	Ca3179	Cd2288	Co2286	Cr2677	Cu3247	Fe2599	K_7664
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.49813**	**25.048**	**.48927**	**.48374**	**.51237**	**.50408**	**24.996**	**.49976**	**.48303**	**.49865**	**.49337**	**25.388**	**25.019**
Stddev	.00188	.215	.00093	.00054	.00024	.00020	.099	.00120	.00038	.00259	.00302	.054	.058
%RSD	.37697	.85871	.19096	.11213	.04709	.04066	.39619	.24000	.07957	.51917	.61245	.21344	.23117
#1	.49945	25.200	.48861	.48412	.51220	.50423	25.066	.50061	.48330	.50048	.49550	25.350	25.059
#2	.49680	24.895	.48993	.48336	.51254	.50394	24.926	.49891	.48276	.49682	.49123	25.426	24.978
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value													
Range													

Elem	K_7664-2	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**24.976**	**.49967**	**25.019**	**.51381**	**.49998**	**24.766**	**.49089**	**.48966**	**25.12**	**.49937**	**.49466**	**24.492**	**.50641**
Stddev	.011	.00064	.147	.00312	.00210	.079	.00099	.00002	.10	.00929	.00715	.053	.00017
%RSD	.04555	.12900	.58858	.60679	.42017	.32096	.20251	.00371	.4091	1.8606	1.4449	.21711	.03447
#1	24.968	.50012	25.123	.51602	.50147	24.822	.49160	.48967	25.19	.50594	.48961	24.454	.50653
#2	24.984	.49921	24.915	.51161	.49850	24.710	.49019	.48965	25.04	.49280	.49972	24.530	.50628
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value													
Range													

Elem	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm
Avg	**.49605**	**.49961**	**.49858**	**.49556**	**.49713**
Stddev	.00174	.00329	.00119	.00208	.00801
%RSD	.34994	.65845	.23845	.42028	1.6107
#1	.49727	.50194	.49942	.49703	.50279
#2	.49482	.49728	.49774	.49409	.49147
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value					
Range					

Int. Std.	In2306	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**1924.6**	**2822.3**	**24826.**	**4780.4**
Stddev	2.3	1.3	61.	13.9
%RSD	.12004	.04690	.24513	.29111
#1	1926.3	2821.4	24783.	4790.3
#2	1923.0	2823.3	24869.	4770.6

Sample Name: CCB Acquired: 4/5/2012 20:01:07 Type: QC
Method: ICAP1(v261) Mode: CONC Corr. Factor: 1.000000
User: MDM Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	B_2089	Ba4554-2	Be3130	Ca3179	Cd2288	Co2286	Cr2677	Cu3247	Fe2599	K_7664
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00133**	**.02585**	**-.00080**	**.00036**	**.00006**	**.00013**	**.00191**	**-.00004**	**-.00013**	**-.00003**	**-.00009**	**.01471**	**-.01599**
Stddev	.00039	.00330	.00006	.00013	.00002	.00010	.00845	.00002	.00040	.00097	.00033	.01367	.03603
%RSD	29.434	12.783	7.2095	36.999	27.608	75.969	442.02	44.014	301.90	3458.3	374.20	92.899	225.31
#1	-.00105	.02819	-.00084	.00027	.00004	.00021	.00788	-.00002	.00015	.00065	-.00032	.02438	.00948
#2	-.00160	.02352	-.00075	.00046	.00007	.00006	-.00406	-.00005	-.00042	-.00071	.00014	.00505	-.04146
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit													
Low Limit													

Elem	K_7664-2	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00182**	**-.00026**	**-.00032**	**.00005**	**-.00007**	**.00204**	**-.00048**	**.00239**	**-.0034**	**.00324**	**-.00258**	**-.01286**	**.00026**
Stddev	.00004	.00108	.00194	.00003	.00002	.00082	.00078	.00074	.0021	.00025	.00179	.02088	.00009
%RSD	1.9414	424.80	609.20	66.571	28.899	40.465	161.48	31.063	61.45	7.7848	69.570	162.35	35.985
#1	.00180	-.00102	.00105	.00003	-.00005	.00262	.00007	.00291	-.0019	.00342	-.00385	.00190	.00033
#2	.00185	.00051	-.00169	.00007	-.00008	.00145	-.00103	.00186	-.0049	.00306	-.00131	-.02763	.00020
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit													
Low Limit													

Elem	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm
Avg	**-.00001**	**.00041**	**.00047**	**-.00089**	**-.00102**
Stddev	.00016	.00018	.00219	.00003	.00044
%RSD	1249.5	43.772	467.22	3.5730	43.419
#1	.00010	.00054	.00202	-.00091	-.00071
#2	-.00013	.00029	-.00108	-.00087	-.00134
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Int. Std.	In2306	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**2040.6**	**2845.0**	**25368.**	**4744.2**
Stddev	.0	1.9	73.	13.1
%RSD	.00234	.06747	.28915	.27637
#1	2040.6	2843.7	25419.	4734.9
#2	2040.6	2846.4	25316.	4753.5

Sample Name: 480-18071-A-1-B Acquired: 4/5/2012 20:03:30 Type: Unk
Method: ICAP1(v261) Mode: CONC Corr. Factor: 1.000000
User: MDM Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	B_2089	Ba4554-2	Be3130	Ca3179	Cd2288	Co2286
Line	328.068 {103}	308.215 {109}	189.042 {478}	208.959 {461}	455.403 { 74}2	313.042 {108}	317.933 {106}	228.802 {447}	228.616 {447}
IS Ref	(Y_3600)	(Y_3774)	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3774)	(Y_3774)	(Y_2243)	(In2306)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00181**	**47.818**	**.05677**	**.02167**	**.30173**	**.00307**	**66.632**	**.00207**	**.06502**
Stddev	.00058	.049	.00029	.00112	.00100	.00013	.197	.00027	.00023
%RSD	31.997	.10290	.51722	5.1533	.33239	4.3133	.29610	13.004	.35449
#1	-.00222	47.853	.05697	.02245	.30102	.00298	66.492	.00226	.06486
#2	-.00140	47.783	.05656	.02088	.30244	.00316	66.771	.00188	.06518
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Cr2677	Cu3247	Fe2714	K_7664	K_7664-2	Li6707	Mg2790	Mn2576	Mo2020
Line	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}	766.490 { 44}2	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}
IS Ref	(Y_3600)	(Y_3600)	(Y_3774)	(Y_3774)	(Y_3774)	(Y_3774)	(Y_3600)	(Y_3600)	(Y_2243)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.06360**	**.73643**	**266.01**	**6.6320**	**6.6987**	**.07428**	**24.024**	**2.7487**	**.00677**
Stddev	.00074	.00023	.53	.0563	.0055	.00059	.088	.0042	.00020
%RSD	1.1638	.03116	.20048	.84826	.08223	.79208	.36767	.15318	2.8968
#1	.06308	.73659	265.64	6.6718	6.6948	.07386	23.961	2.7458	.00663
#2	.06413	.73626	266.39	6.5922	6.7026	.07469	24.086	2.7517	.00691
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Na5895	Ni2316	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899	Sr4077
Line	589.592 { 57}	231.604 {446}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}2	189.989 {477}	407.771 { 83}
IS Ref	(Y_3774)	(In2306)	(In2306)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3774)	(In2306)	(Y_3774)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.66504**	**.13315**	**.39792**	**12.80**	**-.00312**	**-.00050**	**20.666**	**.04959**	**.19489**
Stddev	.00810	.00189	.00099	.01	.00229	.00287	.042	.00059	.00064
%RSD	1.2173	1.4191	.24788	.0861	73.456	572.23	.20479	1.1945	.32619
#1	.65932	.13449	.39862	12.81	-.00474	.00153	20.696	.04917	.19444
#2	.67076	.13182	.39723	12.80	-.00150	-.00253	20.636	.05000	.19534
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Ti3349	Tl1908	V_2924	Zn2062
Line	334.904 {101}	190.856 {477}	292.402 {115}	206.200 {163}
IS Ref	(Y_3600)	(In2306)	(Y_3600)	(Y_3600)
Units	ppm	ppm	ppm	ppm
Avg	**.98274**	**-.00702**	**.11950**	**.54278**
Stddev	.00083	.00007	.00117	.00204
%RSD	.08465	1.0636	.97834	.37512
#1	.98215	-.00697	.12033	.54422
#2	.98333	-.00708	.11867	.54134
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				
Low Limit				

Int. Std.	In2306	Y_2243	Y_3600	Y_3774
Line	230.606 {446}	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**1827.5**	**2794.9**	**24933.**	**4868.6**
Stddev	3.1	7.8	46.	12.0
%RSD	.17207	.27734	.18599	.24651
#1	1825.3	2789.4	24900.	4860.1
#2	1829.8	2800.4	24966.	4877.1

Sample Name: 480-18071-A-2-B Acquired: 4/5/2012 20:05:44 Type: Unk
Method: ICAP1(v261) Mode: CONC Corr. Factor: 1.000000
User: MDM Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	B_2089	Ba4554-2	Be3130	Ca3179	Cd2288	Co2286
Line	328.068 {103}	308.215 {109}	189.042 {478}	208.959 {461}	455.403 { 74}2	313.042 {108}	317.933 {106}	228.802 {447}	228.616 {447}
IS Ref	(Y_3600)	(Y_3774)	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3774)	(Y_3774)	(Y_2243)	(In2306)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00168**	**46.921**	**.05027**	**.02298**	**.30946**	**.00339**	**123.75**	**.00155**	**.05995**
Stddev	.00123	.234	.00082	.00046	.00005	.00014	.42	.00016	.00015
%RSD	72.875	.49886	1.6366	1.9988	.01503	4.0004	.34264	10.483	.24356
#1	-.00082	47.086	.05085	.02330	.30943	.00329	124.05	.00143	.06006
#2	-.00255	46.755	.04969	.02265	.30949	.00348	123.45	.00166	.05985
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Cr2677	Cu3247	Fe2714	K_7664	K_7664-2	Li6707	Mg2790	Mn2576	Mo2020
Line	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}	766.490 { 44}2	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}
IS Ref	(Y_3600)	(Y_3600)	(Y_3774)	(Y_3774)	(Y_3774)	(Y_3774)	(Y_3600)	(Y_3600)	(Y_2243)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.06622**	**.73360**	**176.73**	**7.5447**	**7.7605**	**.07835**	**24.291**	**3.5614**	**.00664**
Stddev	.00099	.00312	1.96	.0067	.0244	.00096	.044	.0046	.00019
%RSD	1.5007	.42549	1.1080	.08911	.31468	1.2291	.18038	.13011	2.7971
#1	.06692	.73139	178.11	7.5495	7.7777	.07903	24.260	3.5581	.00677
#2	.06552	.73581	175.34	7.5400	7.7432	.07767	24.322	3.5647	.00651
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Na5895	Ni2316	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899	Sr4077
Line	589.592 { 57}	231.604 {446}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}2	189.989 {477}	407.771 { 83}
IS Ref	(Y_3774)	(In2306)	(In2306)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3774)	(In2306)	(Y_3774)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.71781**	**.12195**	**.32312**	**9.397**	**-.00082**	**.00127**	**21.327**	**.06012**	**.36193**
Stddev	.00675	.00065	.00417	.022	.00408	.00295	.178	.00019	.00061
%RSD	.94056	.53114	1.2921	.2300	498.21	232.22	.83586	.32337	.16895
#1	.71304	.12149	.32608	9.413	.00207	.00336	21.453	.06026	.36236
#2	.72259	.12241	.32017	9.382	-.00370	-.00082	21.201	.05999	.36149
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Ti3349	Tl1908	V_2924	Zn2062
Line	334.904 {101}	190.856 {477}	292.402 {115}	206.200 {163}
IS Ref	(Y_3600)	(In2306)	(Y_3600)	(Y_3600)
Units	ppm	ppm	ppm	ppm
Avg	**1.0653**	**-.00391**	**.11792**	**.39018**
Stddev	.0010	.00320	.00035	.00208
%RSD	.09055	81.804	.29439	.53409
#1	1.0647	-.00165	.11817	.38871
#2	1.0660	-.00618	.11768	.39166
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				
Low Limit				

Int. Std.	In2306	Y_2243	Y_3600	Y_3774
Line	230.606 {446}	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**1812.3**	**2792.7**	**24679.**	**4860.5**
Stddev	5.0	.1	19.	1.2
%RSD	.27365	.00282	.07835	.02440
#1	1808.7	2792.8	24692.	4861.4
#2	1815.8	2792.7	24665.	4859.7

Sample Name: 480-18107-A-1-B Acquired: 4/5/2012 20:07:56 Type: Unk
Method: ICAP1(v261) Mode: CONC Corr. Factor: 1.000000
User: MDM Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	B_2089	Ba4554	Be3130	Ca3179	Cd2288	Co2286
Line	328.068 {103}	308.215 {109}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	317.933 {106}	228.802 {447}	228.616 {447}
IS Ref	(Y_3600)	(Y_3774)	(Y_2243)	(Y_2243)	(Y_3774)	(Y_3774)	(Y_3774)	(Y_2243)	(In2306)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00615**	**40.078**	**.01928**	**.02086**	**.51917**	**.00095**	**32.734**	**.00610**	**.01354**
Stddev	.00090	.036	.00027	.00015	.00017	.00018	.234	.00022	.00005
%RSD	14.564	.08879	1.3859	.70195	.03245	18.529	.71375	3.6023	.39043
#1	.00552	40.103	.01947	.02076	.51929	.00107	32.899	.00594	.01358
#2	.00679	40.053	.01910	.02096	.51905	.00082	32.569	.00626	.01350
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Cr2677	Cu3247	Fe2599	K_7664	K_7664-2	Li6707	Mg2790	Mn2576	Mo2020
Line	267.716 {126}	324.754 {104}	259.940 {130}	766.490 { 44}	766.490 { 44}2	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}
IS Ref	(Y_3600)	(Y_3600)	(Y_3774)	(Y_3774)	(Y_3774)	(Y_3774)	(Y_3600)	(Y_3600)	(Y_2243)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.07578**	**.72513**	**32.301**	**9.6240**	**8.6953**	**.02517**	**12.784**	**.28059**	**.01691**
Stddev	.00045	.00083	.128	.0193	.1495	.00196	.029	.00111	.00003
%RSD	.59627	.11507	.39503	.20099	1.7193	7.7996	.22747	.39711	.16443
#1	.07546	.72454	32.391	9.6377	8.5896	.02656	12.763	.27980	.01689
#2	.07610	.72572	32.210	9.6103	8.8011	.02378	12.804	.28138	.01693
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Na5895	Ni2316	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899	Sr4077
Line	589.592 { 57}	231.604 {446}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}2	189.989 {477}	407.771 { 83}
IS Ref	(Y_3774)	(In2306)	(In2306)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3774)	(In2306)	(Y_3774)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**2.5694**	**.03963**	**.08579**	**15.52**	**.07006**	**.02083**	**19.137**	**.04333**	**.36928**
Stddev	.0028	.00052	.00149	.04	.00158	.00122	.007	.00021	.00113
%RSD	.10928	1.3026	1.7418	.2669	2.2493	5.8438	.03520	.48471	.30692
#1	2.5714	.03999	.08473	15.55	.07117	.01997	19.132	.04318	.37008
#2	2.5674	.03926	.08685	15.49	.06894	.02169	19.142	.04347	.36848
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Ti3349	Tl1908	V_2924	Zn2062
Line	334.904 {101}	190.856 {477}	292.402 {115}	206.200 {163}
IS Ref	(Y_3600)	(In2306)	(Y_3600)	(Y_3600)
Units	ppm	ppm	ppm	ppm
Avg	**.55555**	**-.00234**	**.03033**	**1.1189**
Stddev	.00191	.00092	.00038	.0047
%RSD	.34416	39.079	1.2655	.42057
#1	.55419	-.00299	.03060	1.1155
#2	.55690	-.00170	.03006	1.1222
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				
Low Limit				

Int. Std.	In2306	Y_2243	Y_3600	Y_3774
Line	230.606 {446}	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**1930.1**	**2774.1**	**24746.**	**4794.9**
Stddev	.1	4.7	153.	55.6
%RSD	.00658	.17087	.61907	1.1596
#1	1930.2	2770.7	24854.	4755.6
#2	1930.0	2777.4	24637.	4834.2

Sample Name: Cr MB CHECK A6 Acquired: 4/5/2012 20:10:13 Type: Unk
Method: ICAP1(v261) Mode: CONC Corr. Factor: 1.000000
User: MDM Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	B_2089	Ba4554-2	Be3130	Ca3179	Cd2288	Co2286
Line	328.068 {103}	308.215 {109}	189.042 {478}	208.959 {461}	455.403 { 74}2	313.042 {108}	317.933 {106}	228.802 {447}	228.616 {447}
IS Ref	(Y_3600)	(Y_3774)	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3774)	(Y_3774)	(Y_2243)	(In2306)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00108**	**.01354**	**.00069**	**.00033**	**.00009**	**.00009**	**.00220**	**.00001**	**.00006**
Stddev	.00006	.00399	.00055	.00010	.00004	.00016	.00453	.00009	.00009
%RSD	5.3597	29.432	79.509	29.685	41.549	164.98	205.74	688.30	152.90
#1	-.00104	.01636	.00108	.00026	.00011	.00021	-.00100	-.00005	.00000
#2	-.00113	.01072	.00030	.00041	.00006	-.00002	.00541	.00008	.00013
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Cr2677	Cu3247	Fe2599	K_7664	K_7664-2	Li6707	Mg2790	Mn2576	Mo2020
Line	267.716 {126}	324.754 {104}	259.940 {130}	766.490 { 44}	766.490 { 44}2	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}
IS Ref	(Y_3600)	(Y_3600)	(Y_3774)	(Y_3774)	(Y_3774)	(Y_3774)	(Y_3600)	(Y_3600)	(Y_2243)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F **.00562**	**.00018**	**.03532**	**-.00150**	**.01867**	**.00044**	**-.00005**	**.00083**	**.00150**
Stddev	.00042	.00071	.00662	.00026	.00040	.00006	.00459	.00005	.00009
%RSD	7.5382	398.24	18.741	17.613	2.1550	14.517	10071.	5.7352	6.1440
#1	.00592	.00068	.04000	-.00169	.01895	.00039	.00320	.00079	.00144
#2	.00532	-.00033	.03064	-.00131	.01838	.00048	-.00329	.00086	.00157
Check ?	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	.00400								
Low Limit	-.00300								

Elem	Na5895	Ni2316	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899	Sr4077
Line	589.592 { 57}	231.604 {446}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}2	189.989 {477}	407.771 { 83}
IS Ref	(Y_3774)	(In2306)	(In2306)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3774)	(In2306)	(Y_3774)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00877**	**.00306**	**.00165**	F **-.0078**	**.00178**	**.00000**	**.04926**	F **.02862**	**-.00005**
Stddev	.00120	.00020	.00050	.0027	.00190	.00199	.01075	.00074	.00024
%RSD	13.685	6.5228	30.035	34.11	107.09	133920.	21.826	2.5867	454.24
#1	-.00962	.00292	.00130	-.0097	.00312	.00141	.05687	.02914	-.00022
#2	-.00792	.00320	.00200	-.0059	.00043	-.00140	.04166	.02810	.00012
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass
High Limit				.0030				.01000	
Low Limit				-.0040				-.01000	

Elem	Ti3349	Tl1908	V_2924	Zn2062
Line	334.904 {101}	190.856 {477}	292.402 {115}	206.200 {163}
IS Ref	(Y_3600)	(In2306)	(Y_3600)	(Y_3600)
Units	ppm	ppm	ppm	ppm
Avg	**.00054**	**.00113**	**-.00010**	**-.00011**
Stddev	.00053	.00107	.00053	.00030
%RSD	98.489	94.363	535.21	288.08
#1	.00016	.00038	-.00047	-.00032
#2	.00092	.00189	.00028	.00011
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				
Low Limit				

Int. Std.	In2306	Y_2243	Y_3600	Y_3774
Line	230.606 {446}	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**2045.5**	**2842.9**	**25514.**	**4752.7**
Stddev	5.5	2.4	183.	18.4
%RSD	.27013	.08414	.71686	.38742
#1	2041.6	2844.5	25385.	4739.7
#2	2049.4	2841.2	25643.	4765.7

Sample Name: CCV Acquired: 4/5/2012 20:12:32 Type: QC
Method: ICAP1(v261) Mode: CONC Corr. Factor: 1.000000
User: MDM Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	B_2089	Ba4554	Be3130	Ca3179	Cd2288	Co2286	Cr2677	Cu3247	Fe2599	K_7664
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.49163**	**25.453**	**.48693**	**.48027**	**.50790**	**.50729**	**25.452**	**.49595**	**.48651**	**.50047**	**.49949**	**25.433**	**25.210**
Stddev	.00136	.032	.00098	.00164	.00081	.00133	.211	.00173	.00188	.00369	.00318	.089	.009
%RSD	.27706	.12534	.20136	.34195	.15863	.26152	.82954	.34922	.38559	.73751	.63753	.34989	.03705
#1	.49067	25.431	.48624	.48143	.50733	.50635	25.302	.49718	.48784	.49786	.49724	25.370	25.204
#2	.49259	25.476	.48763	.47911	.50847	.50823	25.601	.49473	.48518	.50308	.50174	25.496	25.217
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value													
Range													

Elem	K_7664-2	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**25.356**	**.50580**	**24.865**	**.50950**	**.49819**	**25.118**	**.49340**	**.49313**	**25.05**	**.50256**	**.49537**	**24.866**	**.50886**
Stddev	.433	.00140	.115	.00159	.00171	.052	.00357	.00315	.03	.00091	.00042	.033	.00179
%RSD	1.7077	.27697	.46423	.31296	.34400	.20739	.72340	.63902	.1370	.18187	.08474	.13458	.35088
#1	25.050	.50481	24.783	.50838	.49940	25.081	.49592	.49536	25.07	.50320	.49567	24.843	.51012
#2	25.663	.50679	24.947	.51063	.49698	25.155	.49087	.49090	25.03	.50191	.49507	24.890	.50760
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value													
Range													

Elem	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm
Avg	**.49789**	**.49882**	**.49745**	**.49831**	**.49333**
Stddev	.00031	.00155	.00131	.00300	.00344
%RSD	.06159	.31154	.26347	.60233	.69698
#1	.49811	.49772	.49652	.49619	.49089
#2	.49768	.49992	.49838	.50043	.49576
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value					
Range					

Int. Std.	In2306	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**1913.3**	**2831.6**	**24757.**	**4728.2**
Stddev	1.0	5.1	95.	7.8
%RSD	.05054	.17903	.38295	.16407
#1	1914.0	2835.2	24824.	4733.7
#2	1912.6	2828.0	24690.	4722.8

Sample Name: CCB Acquired: 4/5/2012 20:14:54 Type: QC
Method: ICAP1(v261) Mode: CONC Corr. Factor: 1.000000
User: MDM Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	B_2089	Ba4554-2	Be3130	Ca3179	Cd2288	Co2286	Cr2677	Cu3247	Fe2599	K_7664
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00116**	**.03003**	**-.00082**	**.00024**	**.00005**	**.00023**	**-.00519**	**.00011**	**.00011**	**.00001**	**-.00008**	**.00528**	**-.02369**
Stddev	.00065	.02543	.00056	.00021	.00001	.00008	.00617	.00006	.00014	.00033	.00026	.00372	.07271
%RSD	56.164	84.704	67.758	86.465	20.828	34.980	119.05	50.630	129.53	6390.4	332.06	70.354	306.91
#1	-.00161	.04801	-.00043	.00009	.00004	.00029	-.00082	.00015	.00001	.00024	-.00026	.00791	-.07510
#2	-.00070	.01204	-.00121	.00039	.00006	.00017	-.00955	.00007	.00021	-.00023	.00011	.00265	.02772
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit													
Low Limit													

Elem	K_7664-2	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00172**	**-.00039**	**.00339**	**.00004**	**.00010**	**-.00469**	**.00007**	**.00070**	F **-.0050**	**.00280**	**-.00248**	**.01353**	**.00014**
Stddev	.00018	.00068	.00490	.00005	.00000	.00738	.00066	.00036	.0023	.00497	.00244	.00951	.00051
%RSD	10.558	176.63	144.67	125.28	.32874	157.16	948.85	52.374	47.23	177.14	98.429	70.253	364.57
#1	.00159	-.00087	-.00008	.00008	.00010	-.00991	-.00039	.00095	-.0066	.00632	-.00421	.00681	.00050
#2	.00184	.00010	.00685	.00000	.00010	.00052	.00053	.00044	-.0033	-.00071	-.00075	.02025	-.00022
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									.0030				
Low Limit									-.0040				

Elem	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm
Avg	**-.00002**	**-.00012**	**.00038**	**-.00039**	**-.00123**
Stddev	.00010	.00007	.00026	.00078	.00045
%RSD	655.94	56.168	67.301	198.08	36.516
#1	-.00009	-.00017	.00057	-.00095	-.00091
#2	.00006	-.00007	.00020	.00016	-.00154
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Int. Std.	In2306	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**2048.2**	**2853.6**	**25259.**	**4705.4**
Stddev	1.4	11.7	13.	10.3
%RSD	.06721	.41011	.05024	.21839
#1	2047.3	2845.3	25250.	4712.7
#2	2049.2	2861.9	25268.	4698.1

Run File: I1040912A

Instrument: ICAP 1

Analyst: MDM

Data Review: AMH 4/10/12

Spikes IDs: 421747, 425565, 635129(Sn), 517428(Ag), 226744(TCLP), 517430(Si)
Pipette IDs: 01-20-12-(1-7,8,10,13,14)
Internal Standard: 654281

Seq#	Run File ID	Sample ID	Date / Time	Type
1	I1040912A	IC-665389	4/9/2012 3:24:28PM	Standard
2	I1040912A	IC-655655	4/9/2012 3:26:46PM	Standard
3	I1040912A	IC-655654	4/9/2012 3:29:04PM	Standard
4	I1040912A	IC-655653	4/9/2012 3:31:22PM	Standard
5	I1040912A	ICV-668707	4/9/2012 3:33:42PM	QC
6	I1040912A	ICB-665389	4/9/2012 3:36:00PM	QC
7	I1040912A	CRI-649194	4/9/2012 3:38:34PM	QC
8	I1040912A	ICSA-659146	4/9/2012 3:40:56PM	QC
9	I1040912A	ICSAB-662364	4/9/2012 3:43:15PM	QC
10	I1040912A	CCV-665391	4/9/2012 3:45:28PM	QC
11	I1040912A	CCB-665389	4/9/2012 3:47:44PM	QC
12	I1040912A	MB 480-58146/19-B	4/9/2012 3:50:06PM	Unknown
13	I1040912A	LCS 480-58146/20-B	4/9/2012 3:52:27PM	Unknown
14	I1040912A	480-18204-E-1-A	4/9/2012 3:54:48PM	Unknown
15	I1040912A	CCV	4/9/2012 3:57:08PM	QC
16	I1040912A	CCB	4/9/2012 3:59:24PM	QC
17	I1040912A	480-18204-E-2	4/9/2012 4:01:47PM	Unknown
18	I1040912A	480-18204-E-3-A	4/9/2012 4:04:06PM	Unknown
19	I1040912A	480-18204-E-3-A SD@5	4/9/2012 4:06:23PM	Unknown
20	I1040912A	480-18204-E-3-A PDS	4/9/2012 4:08:45PM	Unknown
21	I1040912A	480-18204-E-3-B MS	4/9/2012 4:11:05PM	Unknown
22	I1040912A	480-18204-E-3-C MSD	4/9/2012 4:13:26PM	Unknown
23	I1040912A	480-18204-E-4-A	4/9/2012 4:15:46PM	Unknown
24	I1040912A	480-18204-E-5-A	4/9/2012 4:18:05PM	Unknown
25	I1040912A	480-18204-E-6-A	4/9/2012 4:20:23PM	Unknown
26	I1040912A	480-18204-E-7-A	4/9/2012 4:22:43PM	Unknown
27	I1040912A	CCV	4/9/2012 4:25:03PM	QC
28	I1040912A	CCB	4/9/2012 4:27:19PM	QC
29	I1040912A	480-18216-G-1-A	4/9/2012 4:29:44PM	Unknown
30	I1040912A	480-18216-G-2-A	4/9/2012 4:32:02PM	Unknown
31	I1040912A	480-18216-G-3-A	4/9/2012 4:34:20PM	Unknown
32	I1040912A	480-18216-G-4-A	4/9/2012 4:36:38PM	Unknown
33	I1040912A	480-18216-G-5-A	4/9/2012 4:38:57PM	Unknown
34	I1040912A	480-18216-G-6-A	4/9/2012 4:41:16PM	Unknown
35	I1040912A	480-18216-G-7-A	4/9/2012 4:43:35PM	Unknown
36	I1040912A	480-18215-C-1-A	4/9/2012 4:45:54PM	Unknown
37	I1040912A	480-18215-C-3-A	4/9/2012 4:48:13PM	Unknown
38	I1040912A	480-18215-C-4-A	4/9/2012 4:50:34PM	Unknown
39	I1040912A	CCV	4/9/2012 4:52:57PM	QC
40	I1040912A	CCB	4/9/2012 4:55:12PM	QC
41	I1040912A	480-18215-C-5-A	4/9/2012 4:57:36PM	Unknown

42	I1040912A	480-18215-C-6-A	4/9/2012	4:59:54PM	Unknown
43	I1040912A	MB 480-58146/27-B	4/9/2012	5:02:26PM	Unknown
44	I1040912A	LCS 480-58146/28-B	4/9/2012	5:04:59PM	Unknown
45	I1040912A	480-18219-K-1-A	4/9/2012	5:07:26PM	Unknown
46	I1040912A	480-18219-K-2-A	4/9/2012	5:09:48PM	Unknown
47	I1040912A	480-18219-K-3-A	4/9/2012	5:12:15PM	Unknown
48	I1040912A	480-18219-K-3-A SD@5	4/9/2012	5:14:34PM	Unknown
49	I1040912A	480-18219-K-3-A PDS	4/9/2012	5:16:54PM	Unknown
50	I1040912A	480-18219-K-3-B MS	4/9/2012	5:19:13PM	Unknown
51	I1040912A	CCV	4/9/2012	5:21:37PM	QC
52	I1040912A	CCB	4/9/2012	5:23:54PM	QC
53	I1040912A	480-18219-K-3-C MSD	4/9/2012	5:26:17PM	Unknown
54	I1040912A	480-18219-K-4-A	4/9/2012	5:28:37PM	Unknown
55	I1040912A	480-18219-K-5-A	4/9/2012	5:30:56PM	Unknown
56	I1040912A	480-18219-K-6-A	4/9/2012	5:33:14PM	Unknown
57	I1040912A	480-18219-K-7-A	4/9/2012	5:35:44PM	Unknown
58	I1040912A	480-18219-K-8-A	4/9/2012	5:38:05PM	Unknown
59	I1040912A	480-18217-D-1-A	4/9/2012	5:40:26PM	Unknown
60	I1040912A	480-18214-A-1-A	4/9/2012	5:42:46PM	Unknown
61	I1040912A	480-18214-A-2-A	4/9/2012	5:45:04PM	Unknown
62	I1040912A	480-18214-A-3-A	4/9/2012	5:47:23PM	Unknown
63	I1040912A	CCV	4/9/2012	5:49:43PM	QC
64	I1040912A	CCB	4/9/2012	5:52:00PM	QC
65	I1040912A	480-18214-A-5-A	4/9/2012	5:54:23PM	Unknown
66	I1040912A	480-18214-A-6-A	4/9/2012	5:56:46PM	Unknown
67	I1040912A	480-17969-G-1-B	4/9/2012	5:59:11PM	Unknown
68	I1040912A	MB 480-58539/1-A	4/9/2012	6:01:30PM	Unknown
69	I1040912A	LCSSRM 480-58539/2-A	4/9/2012	6:03:50PM	Unknown
70	I1040912A	480-18223-A-1-A	4/9/2012	6:06:10PM	Unknown
71	I1040912A	480-18223-A-2-A	4/9/2012	6:08:26PM	Unknown
72	I1040912A	480-18223-A-3-A	4/9/2012	6:10:44PM	Unknown
73	I1040912A	480-18223-A-4-A	4/9/2012	6:13:04PM	Unknown
74	I1040912A	480-18223-A-5-A	4/9/2012	6:15:28PM	Unknown
75	I1040912A	CCV	4/9/2012	6:17:45PM	QC
76	I1040912A	CCB	4/9/2012	6:20:02PM	QC
77	I1040912A	480-18223-A-6-A	4/9/2012	6:22:27PM	Unknown
78	I1040912A	480-18223-A-7-A	4/9/2012	6:24:41PM	Unknown
79	I1040912A	480-18223-A-8-A	4/9/2012	6:26:58PM	Unknown
80	I1040912A	480-18223-A-9-A	4/9/2012	6:29:14PM	Unknown
81	I1040912A	480-18223-A-10-A	4/9/2012	6:31:36PM	Unknown
82	I1040912A	480-18223-A-11-A	4/9/2012	6:33:51PM	Unknown
83	I1040912A	480-18223-A-12-A	4/9/2012	6:36:12PM	Unknown
84	I1040912A	18223-A-12-A SD@5	4/9/2012	6:38:29PM	Unknown
85	I1040912A	480-18223-A-12-A PDS	4/9/2012	6:40:47PM	Unknown
86	I1040912A	480-18223-A-12-B MS	4/9/2012	6:43:10PM	Unknown
87	I1040912A	CCV	4/9/2012	6:45:40PM	QC
88	I1040912A	CCB	4/9/2012	6:48:00PM	QC
89	I1040912A	480-18223-A-12-C MSD	4/9/2012	6:50:27PM	Unknown
90	I1040912A	480-18228-A-1-A	4/9/2012	6:52:51PM	Unknown
91	I1040912A	480-18228-A-2-A	4/9/2012	6:55:18PM	Unknown

92	I1040912A	480-18228-A-3-A	4/9/2012	6:57:31PM	Unknown
93	I1040912A	480-18228-A-3-B MS	4/9/2012	6:59:54PM	Unknown
94	I1040912A	480-18228-A-3-C MSD	4/9/2012	7:02:22PM	Unknown
95	I1040912A	480-18228-A-4-A	4/9/2012	7:04:43PM	Unknown
96	I1040912A	480-18228-A-5-A	4/9/2012	7:07:10PM	Unknown
97	I1040912A	480-18228-A-6-A	4/9/2012	7:09:31PM	Unknown
98	I1040912A	480-18068-C-8-A@5	4/9/2012	7:11:56PM	Unknown
99	I1040912A	CCV	4/9/2012	7:14:18PM	QC
100	I1040912A	CCB	4/9/2012	7:16:35PM	QC
101	I1040912A	480-18068-C-11-A@5	4/9/2012	7:19:00PM	Unknown
102	I1040912A	480-18068-C-12-A@5	4/9/2012	7:21:21PM	Unknown
103	I1040912A	480-18063-D-1-A@5	4/9/2012	7:23:41PM	Unknown
104	I1040912A	480-18066-D-1-A@5	4/9/2012	7:26:08PM	Unknown
105	I1040912A	480-17744-1 TOT RAW	4/9/2012	7:28:38PM	Unknown
106	I1040912A	480-18016-2 TOT RAW	4/9/2012	7:31:02PM	Unknown
107	I1040912A	480-18016-4 TOT RAW	4/9/2012	7:33:20PM	Unknown
108	I1040912A	480-18018-2 TOT RAW	4/9/2012	7:35:43PM	Unknown
109	I1040912A	480-18038-1 TOT RAW	4/9/2012	7:38:01PM	Unknown
110	I1040912A	480-18119-18 DIS RAW	4/9/2012	7:40:19PM	Unknown
111	I1040912A	CCV	4/9/2012	7:42:41PM	QC
112	I1040912A	CCB	4/9/2012	7:44:58PM	QC
113	I1040912A	CCV	4/9/2012	7:47:21PM	QC
114	I1040912A	CCB	4/9/2012	7:49:38PM	QC

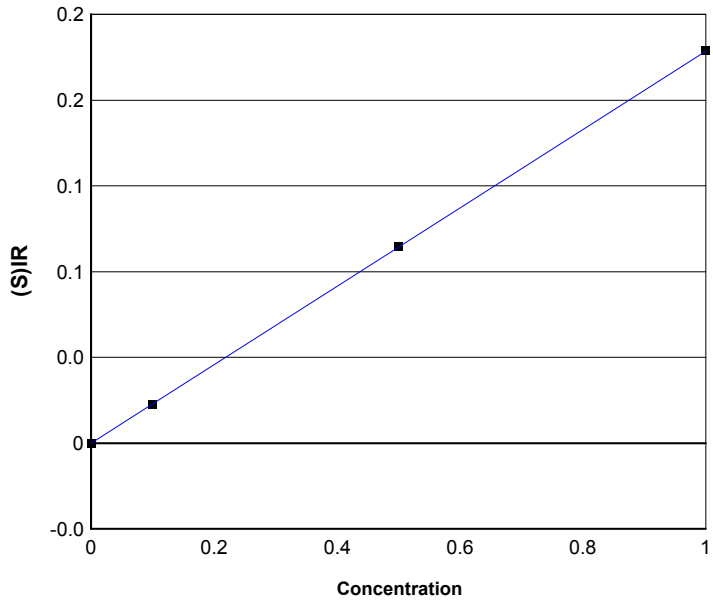
I1040912A

Author: MDM

Published: 4/10/2012 9:08:57AM

Instrument Name: ICAP 1 Serial Number: 20094603

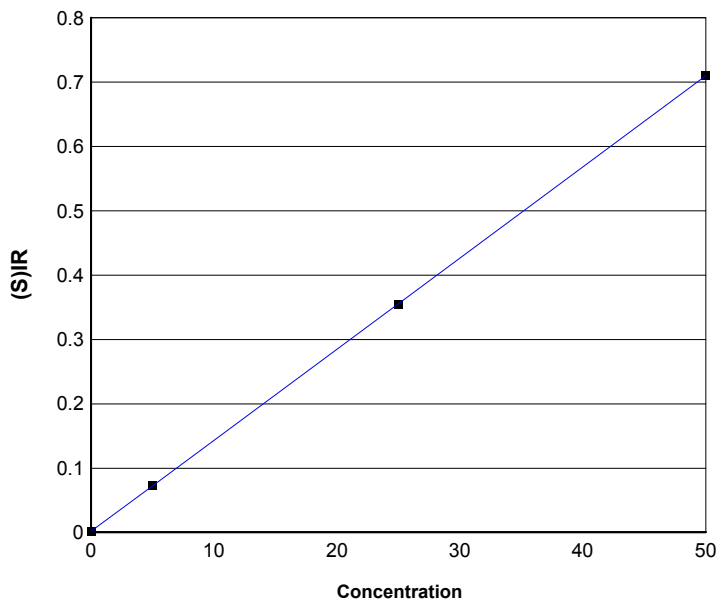
Method Name: ICAP1 (262)



Element Name:	Ag
Element Wavelength:	Ag 328.068 nm
Concentration Units:	ppm
Date of Calibration:	4/9/2012 3:33:38PM
Date of Fit:	4/9/2012 3:33:38PM
Type of Fit:	Linear
Correlation:	1.00000
A0 (Offset):	-0.000066880
A1 (Gain):	0.18307
A2 (Curvature):	0.00000
n (Exponent):	1.0000

Reslope		QC Normalize	
Slope:	1.0000	**Slope factor:**	1.0000
Y Int:	0.00000	**Offset:**	0.00000

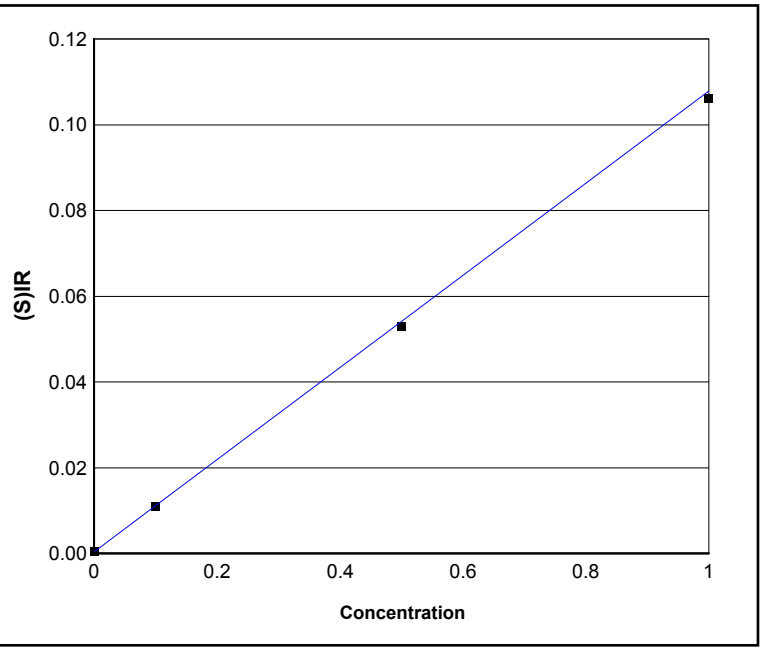
Standard Name	Stated	Found	Diff	% Diff	(S)IR	Stddev	Emphasis
IC1	0.00000	0.0000000000	0.0000007330	0.00000	-0.000066746	0.000010885	1
IC4	1.0000	1.00000	-0.00031284	-0.031284	0.18299	0.00031801	1
IC2	0.10000	0.100000	-0.00095531	-0.95531	0.018069	0.00021618	1
IC3	0.50000	0.50000	0.0012681	0.25363	0.091720	0.00027619	1



Element Name:	Al
Element Wavelength:	Al 308.215 nm
Concentration Units:	ppm
Date of Calibration:	4/9/2012 3:33:38PM
Date of Fit:	4/9/2012 3:33:38PM
Type of Fit:	Linear
Correlation:	1.00000
A0 (Offset):	0.0015848
A1 (Gain):	0.014165
A2 (Curvature):	0.00000
n (Exponent):	1.0000

Reslope		QC Normalize	
Slope:	1.0000	**Slope factor:**	1.0000
Y Int:	0.00000	**Offset:**	0.00000

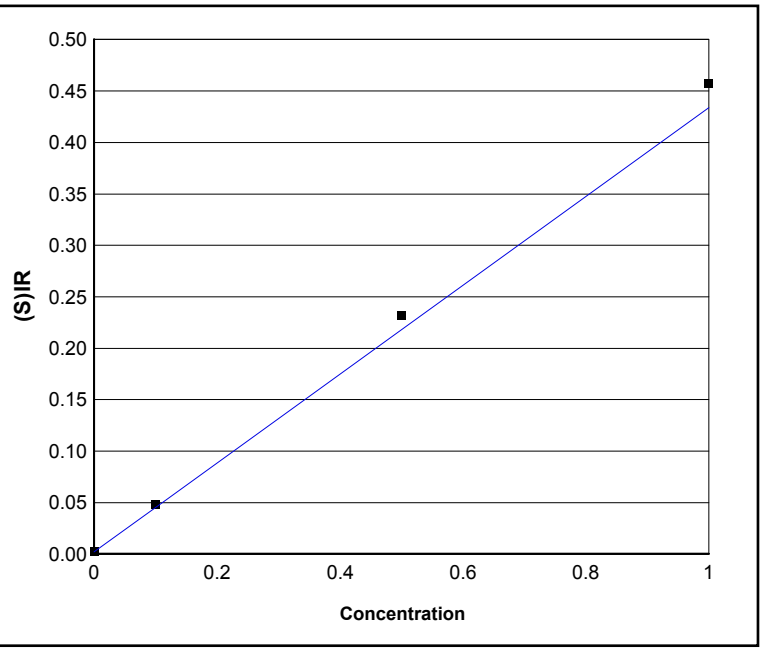
Standard Name	Stated	Found	Diff	% Diff	(S)IR	Stddev	Emphasis
IC1	0.00000	0.000000000	0.000024895	0.00000	0.0015851	0.00031180	1
IC4	50.000	50.080	0.080345	0.16069	0.71098	0.0030303	1
IC2	5.0000	4.9800	-0.021076	-0.42152	0.072112	0.00023713	1
IC3	25.000	24.940	-0.059269	-0.23707	0.35487	0.0018928	1



Element Name:	As
Element Wavelength:	As 189.042 nm
Concentration Units:	ppm
Date of Calibration:	4/9/2012 3:33:38PM
Date of Fit:	4/9/2012 3:33:38PM
Type of Fit:	Linear
Correlation:	1.00000
A0 (Offset):	0.00037163
A1 (Gain):	0.10755
A2 (Curvature):	0.00000
n (Exponent):	1.0000

Reslope		**QC Normalize**	
Slope:	1.0000	**Slope factor:**	1.0000
Y Int:	0.00000	**Offset:**	0.00000

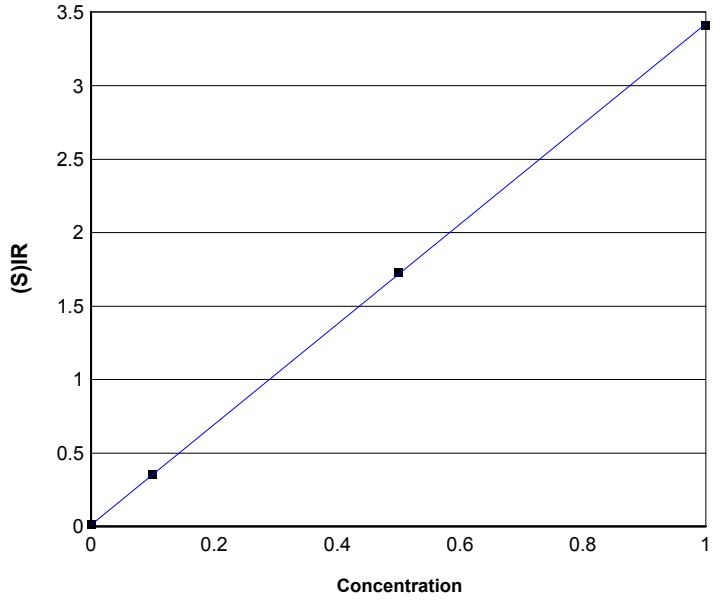
Standard Name	Stated	Found	Diff	% Diff	(S)IR	Stddev	Emphasis
IC1	0.00000	0.0000000000	0.0000001419	0.00000	0.00037165	0.000085328	1
IC4	1.0000	1.0000	0.0012154	0.12154	0.10614	0.0019246	1
IC2	0.10000	0.100000	-0.000025509	-0.025509	0.010933	0.000060726	1
IC3	0.50000	0.50000	-0.0011899	-0.23797	0.053065	0.00065531	1



Element Name:	B
Element Wavelength:	B 208.959 nm
Concentration Units:	ppm
Date of Calibration:	4/9/2012 3:33:38PM
Date of Fit:	4/9/2012 3:33:38PM
Type of Fit:	Linear
Correlation:	0.99999
A0 (Offset):	0.0021681
A1 (Gain):	0.43146
A2 (Curvature):	0.00000
n (Exponent):	1.0000

Reslope		**QC Normalize**	
Slope:	1.0000	**Slope factor:**	1.0000
Y Int:	0.00000	**Offset:**	0.00000

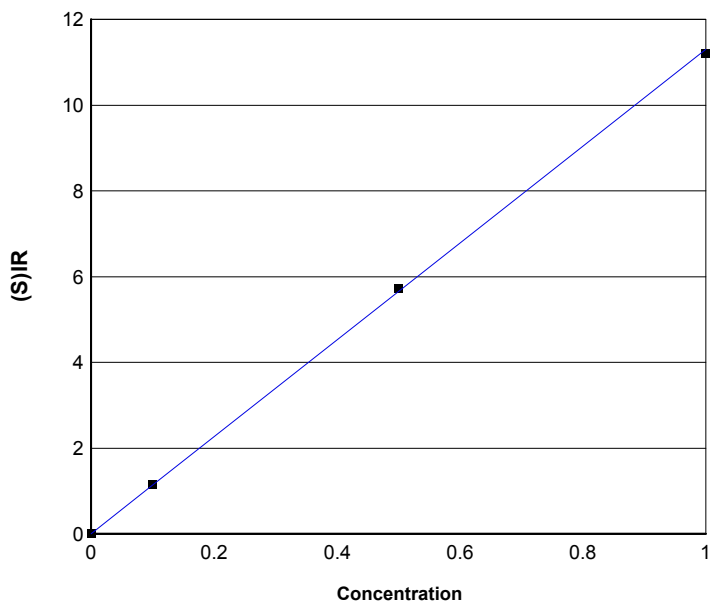
Standard Name	Stated	Found	Diff	% Diff	(S)IR	Stddev	Emphasis
IC1	0.00000	0.0000000000	-0.0000008473	0.00000	0.0021678	0.000066176	1
IC4	1.0000	1.00000	-0.0036443	-0.36443	0.45767	0.0053347	1
IC2	0.10000	0.10000	0.00060357	0.60357	0.048136	0.00041065	1
IC3	0.50000	0.50000	0.0030407	0.60815	0.23201	0.0033665	1



Element Name:	Ba
Element Wavelength:	Ba 455.403 nm
Concentration Units:	ppm
Date of Calibration:	4/9/2012 3:33:38PM
Date of Fit:	4/9/2012 3:33:38PM
Type of Fit:	Linear
Correlation:	0.99998
A0 (Offset):	0.010966
A1 (Gain):	3.4104
A2 (Curvature):	0.00000
n (Exponent):	1.0000

Reslope		**QC Normalize**	
Slope:	1.0000	**Slope factor:**	1.0000
Y Int:	0.00000	**Offset:**	0.00000

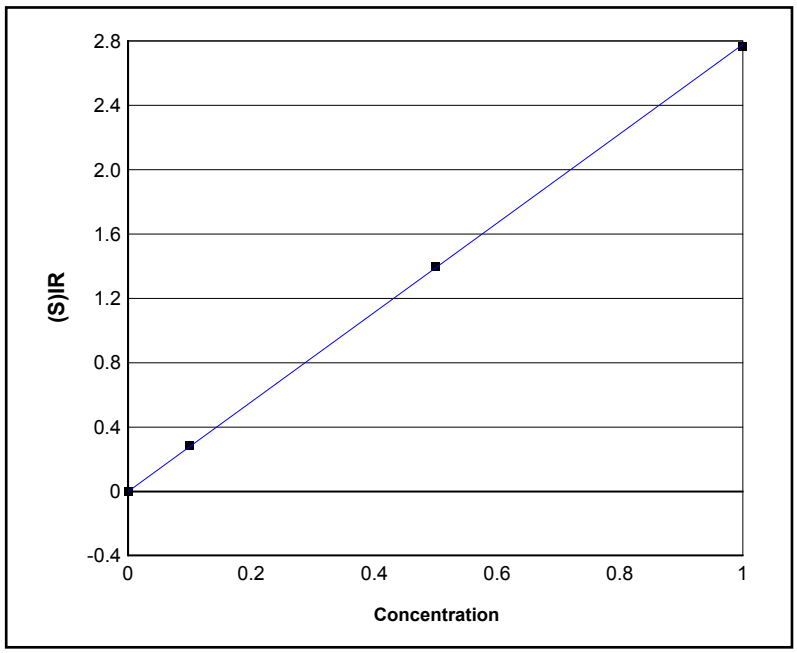
Standard Name	Stated	Found	Diff	% Diff	(S)IR	Stddev	Emphasis
IC1	0.00000	0.0000000000	-0.0000003781	0.00000	0.010964	0.00093433	1
IC4	1.0000	1.00000	-0.0040358	-0.40358	3.4076	0.014475	1
IC2	0.10000	0.100000	-0.000031819	-0.031819	0.35189	0.00059922	1
IC3	0.50000	0.50000	0.0040676	0.81353	1.7300	0.0010930	1



Element Name:	Ba
Element Wavelength:	Ba 455.403 nm
Concentration Units:	ppm
Date of Calibration:	4/9/2012 3:33:38PM
Date of Fit:	4/9/2012 3:33:38PM
Type of Fit:	Linear
Correlation:	0.99992
A0 (Offset):	0.0039114
A1 (Gain):	11.306
A2 (Curvature):	0.00000
n (Exponent):	1.0000

Reslope		**QC Normalize**	
Slope:	1.0000	**Slope factor:**	1.0000
Y Int:	0.00000	**Offset:**	0.00000

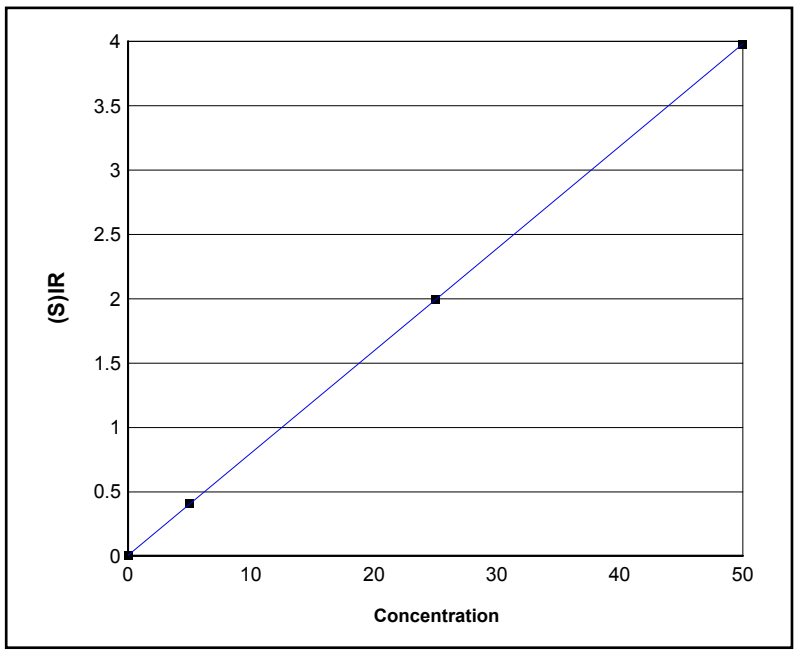
Standard Name	Stated	Found	Diff	% Diff	(S)IR	Stddev	Emphasis
IC1	0.00000	0.0000000000	-0.0000029217	0.00000	0.0038784	0.00024274	1
IC4	1.0000	0.99000	-0.0096543	-0.96543	11.201	0.10078	1
IC2	0.10000	0.10000	0.0024453	2.4453	1.1622	0.00051391	1
IC3	0.50000	0.51000	0.0072090	1.4418	5.7385	0.034678	1



Element Name:	Be
Element Wavelength:	Be 313.042 nm
Concentration Units:	ppm
Date of Calibration:	4/9/2012 3:33:38PM
Date of Fit:	4/9/2012 3:33:38PM
Type of Fit:	Linear
Correlation:	0.99997
A0 (Offset):	-0.00017726
A1 (Gain):	2.7811
A2 (Curvature):	0.00000
n (Exponent):	1.0000

Reslope		QC Normalize	
Slope:	1.0000	**Slope factor:**	1.0000
Y Int:	0.00000	**Offset:**	0.00000

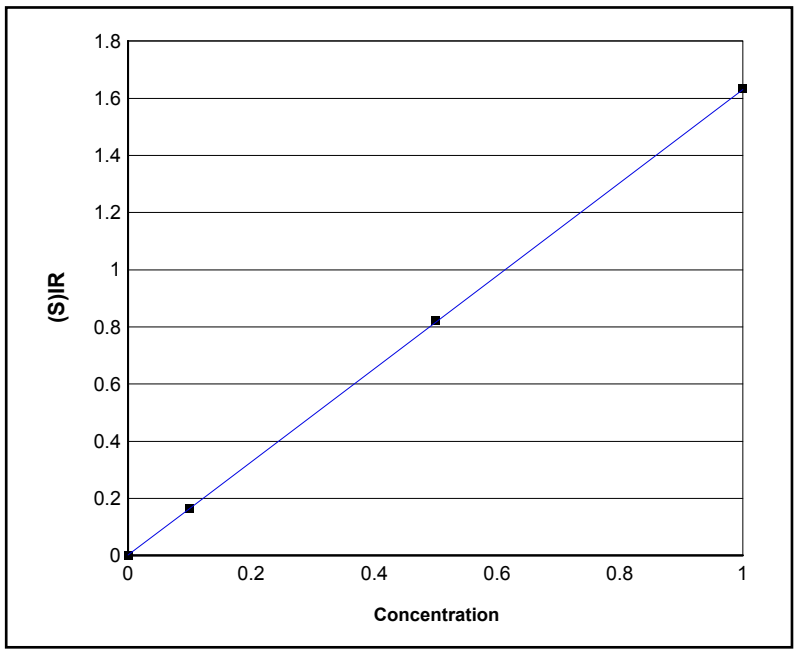
Standard Name	Stated	Found	Diff	% Diff	(S)IR	Stddev	Emphasis
IC1	0.00000	0.0000000000	-0.0000019047	0.00000	-0.00018256	0.00054572	1
IC4	1.0000	0.99000	-0.0053649	-0.53649	2.7654	0.000062103	1
IC2	0.10000	0.10000	0.0017103	1.7103	0.28263	0.000085650	1
IC3	0.50000	0.50000	0.0036546	0.73092	1.4003	0.0015341	1



Element Name:	Ca
Element Wavelength:	Ca 317.933 nm
Concentration Units:	ppm
Date of Calibration:	4/9/2012 3:33:38PM
Date of Fit:	4/9/2012 3:33:38PM
Type of Fit:	Linear
Correlation:	1.00000
A0 (Offset):	0.0035487
A1 (Gain):	0.079594
A2 (Curvature):	0.00000
n (Exponent):	1.0000

Reslope		QC Normalize	
Slope:	1.0000	**Slope factor:**	1.0000
Y Int:	0.00000	**Offset:**	0.00000

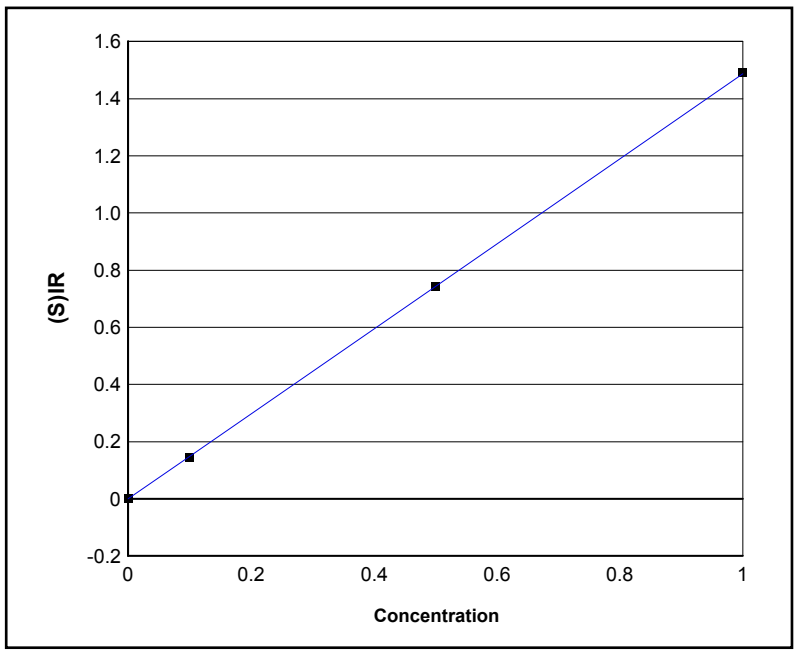
Standard Name	Stated	Found	Diff	% Diff	(S)IR	Stddev	Emphasis
IC1	0.00000	0.000000000	-0.000033935	0.00000	0.0035460	0.00015829	1
IC4	50.000	49.950	-0.052280	-0.10456	3.9791	0.0086124	1
IC2	5.0000	5.0400	0.035884	0.71768	0.40437	0.0044267	1
IC3	25.000	25.020	0.016396	0.065585	1.9947	0.011244	1



Element Name:	Cd
Element Wavelength:	Cd 228.802 nm
Concentration Units:	ppm
Date of Calibration:	4/9/2012 3:33:38PM
Date of Fit:	4/9/2012 3:33:38PM
Type of Fit:	Linear
Correlation:	0.99999
A0 (Offset):	0.0016848
A1 (Gain):	1.6280
A2 (Curvature):	0.00000
n (Exponent):	1.0000

Reslope		**QC Normalize**	
Slope:	1.0000	**Slope factor:**	1.0000
Y Int:	0.00000	**Offset:**	0.00000

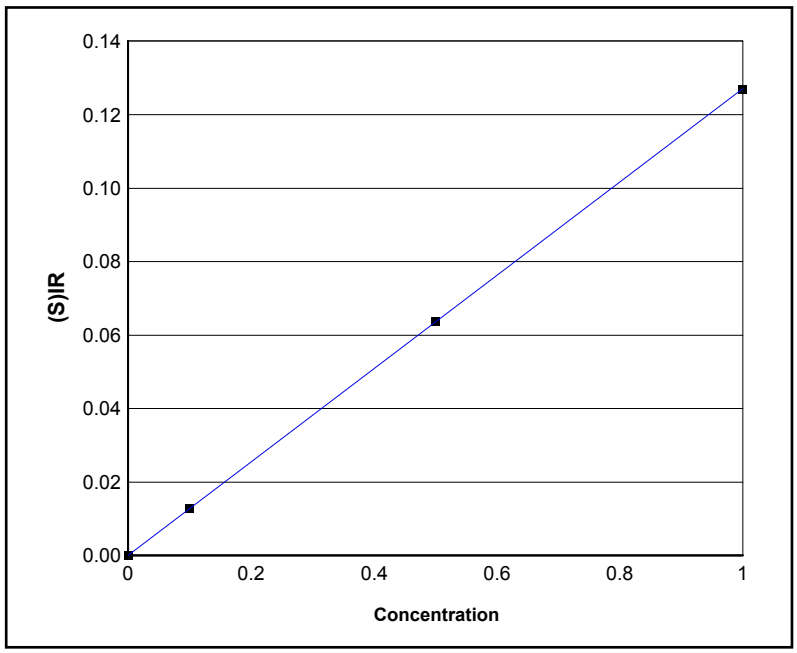
Standard Name	Stated	Found	Diff	% Diff	(S)IR	Stddev	Emphasis
IC1	0.00000	0.0000000000	-0.0000000712	0.00000	0.0016847	0.0000077573	1
IC4	1.0000	1.00000	-0.0022493	-0.22493	1.6334	0.019274	1
IC2	0.10000	0.100000	-0.00019218	-0.19218	0.16491	0.00093969	1
IC3	0.50000	0.50000	0.0024415	0.48829	0.82337	0.012644	1



Element Name:	Co
Element Wavelength:	Co 228.616 nm
Concentration Units:	ppm
Date of Calibration:	4/9/2012 3:33:38PM
Date of Fit:	4/9/2012 3:33:38PM
Type of Fit:	Linear
Correlation:	0.99998
A0 (Offset):	-0.00040923
A1 (Gain):	1.4869
A2 (Curvature):	0.00000
n (Exponent):	1.0000

Reslope		**QC Normalize**	
Slope:	1.0000	**Slope factor:**	1.0000
Y Int:	0.00000	**Offset:**	0.00000

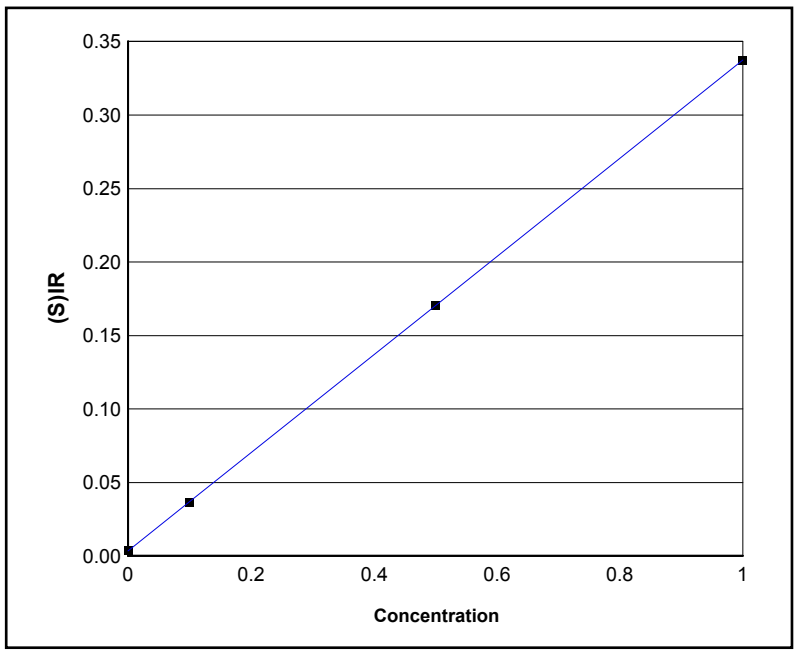
Standard Name	Stated	Found	Diff	% Diff	(S)IR	Stddev	Emphasis
IC1	0.00000	0.0000000000	0.0000022786	0.00000	-0.00040584	0.000050173	1
IC4	1.0000	1.0000	0.0022090	0.22090	1.4906	0.022371	1
IC2	0.10000	0.100000	-0.0025721	-2.5721	0.14453	0.00093102	1
IC3	0.50000	0.50000	0.00036311	0.072622	0.74397	0.0078783	1



Element Name:	Cr
Element Wavelength:	Cr 267.716 nm
Concentration Units:	ppm
Date of Calibration:	4/9/2012 3:33:38PM
Date of Fit:	4/9/2012 3:33:38PM
Type of Fit:	Linear
Correlation:	0.99999
A0 (Offset):	0.000070372
A1 (Gain):	0.12702
A2 (Curvature):	0.00000
n (Exponent):	1.0000

Reslope		**QC Normalize**	
Slope:	1.0000	**Slope factor:**	1.0000
Y Int:	0.00000	**Offset:**	0.00000

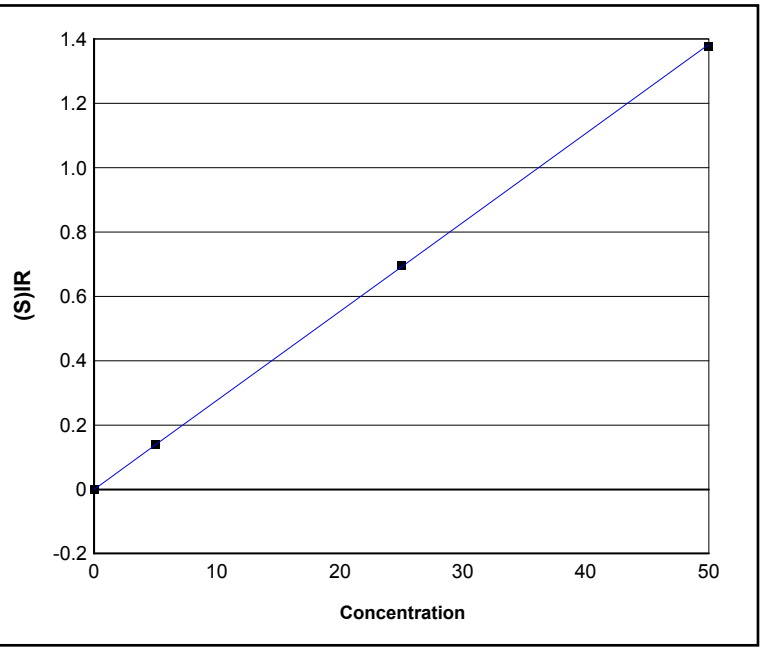
Standard Name	Stated	Found	Diff	% Diff	(S)IR	Stddev	Emphasis
IC1	0.00000	0.0000000000	-0.0000007788	0.00000	0.000070273	0.000016771	1
IC4	1.0000	1.00000	-0.0024674	-0.24674	0.12682	0.00023194	1
IC2	0.10000	0.10000	0.00066508	0.66508	0.012861	0.00019092	1
IC3	0.50000	0.50000	0.0018023	0.36045	0.063832	0.00061685	1



Element Name:	Cu
Element Wavelength:	Cu 324.754 nm
Concentration Units:	ppm
Date of Calibration:	4/9/2012 3:33:38PM
Date of Fit:	4/9/2012 3:33:38PM
Type of Fit:	Linear
Correlation:	1.00000
A0 (Offset):	0.0034616
A1 (Gain):	0.33381
A2 (Curvature):	0.00000
n (Exponent):	1.0000

Reslope		**QC Normalize**	
Slope:	1.0000	**Slope factor:**	1.0000
Y Int:	0.00000	**Offset:**	0.00000

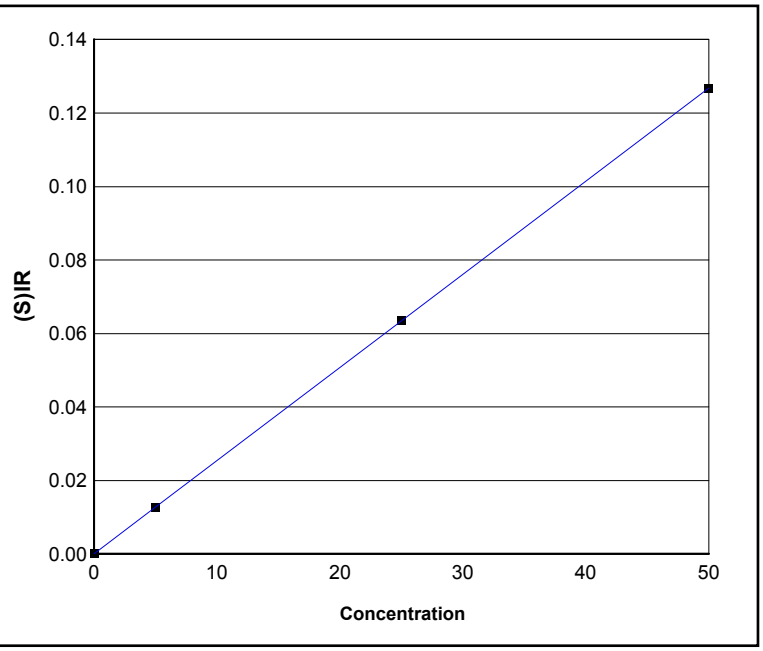
Standard Name	Stated	Found	Diff	% Diff	(S)IR	Stddev	Emphasis
IC1	0.00000	0.0000000000	0.0000010181	0.00000	0.0034619	0.000018958	1
IC4	1.0000	1.0000	0.00065643	0.065643	0.33749	0.00070888	1
IC2	0.10000	0.100000	-0.0011906	-1.1906	0.036445	0.00021136	1
IC3	0.50000	0.50000	0.00053415	0.10683	0.17055	0.00056904	1



Element Name:	Fe
Element Wavelength:	Fe 259.940 nm
Concentration Units:	ppm
Date of Calibration:	4/9/2012 3:33:38PM
Date of Fit:	4/9/2012 3:33:38PM
Type of Fit:	Linear
Correlation:	0.99999
A0 (Offset):	-0.00021023
A1 (Gain):	0.027673
A2 (Curvature):	0.00000
n (Exponent):	1.0000

Reslope		**QC Normalize**	
Slope:	1.0000	**Slope factor:**	1.0000
Y Int:	0.00000	**Offset:**	0.00000

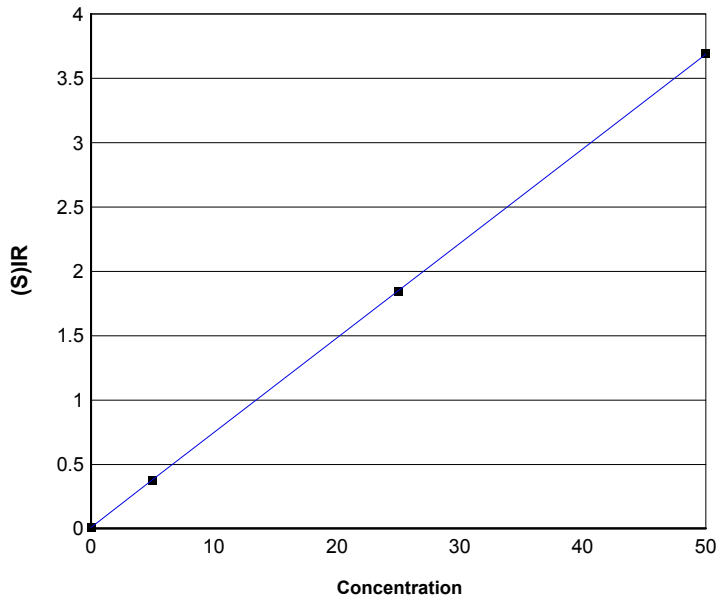
Standard Name	Stated	Found	Diff	% Diff	(S)IR	Stddev	Emphasis
IC1	0.00000	0.000000000	-0.000073990	0.00000	-0.00021228	0.000062319	1
IC4	50.000	49.810	-0.18854	-0.37707	1.3782	0.0042312	1
IC2	5.0000	5.0700	0.068920	1.3784	0.14006	0.00020582	1
IC3	25.000	25.120	0.11962	0.47846	0.69493	0.0045652	1



Element Name:	Fe
Element Wavelength:	Fe 271.441 nm
Concentration Units:	ppm
Date of Calibration:	4/9/2012 3:33:38PM
Date of Fit:	4/9/2012 3:33:38PM
Type of Fit:	Linear
Correlation:	1.00000
A0 (Offset):	0.000065597
A1 (Gain):	0.0025339
A2 (Curvature):	0.00000
n (Exponent):	1.0000

Reslope		**QC Normalize**	
Slope:	1.0000	**Slope factor:**	1.0000
Y Int:	0.00000	**Offset:**	0.00000

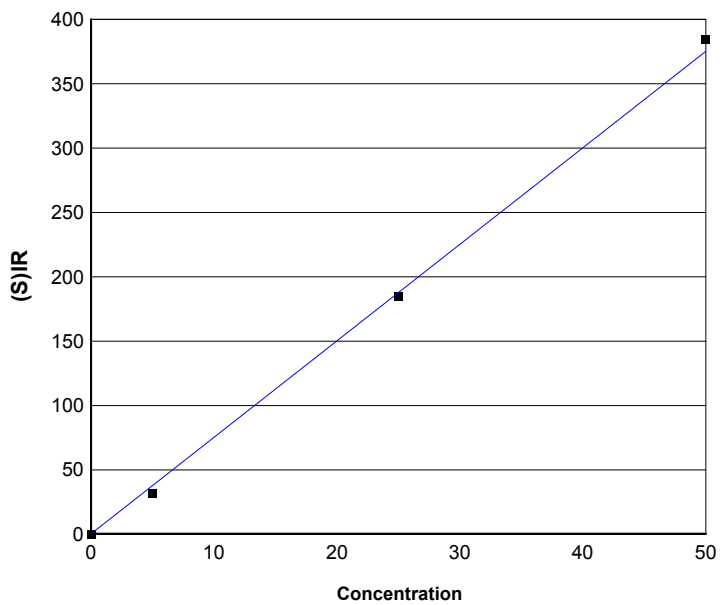
Standard Name	Stated	Found	Diff	% Diff	(S)IR	Stddev	Emphasis
IC1	0.00000	0.000000000	0.000019564	0.00000	0.000065647	0.00027583	1
IC4	50.000	49.990	-0.0079410	-0.015882	0.12674	0.0010248	1
IC2	5.0000	4.9700	-0.025448	-0.50896	0.012670	0.00037128	1
IC3	25.000	25.030	0.033389	0.13356	0.063496	0.0010762	1



Element Name:	K
Element Wavelength:	K 766.490 nm
Concentration Units:	ppm
Date of Calibration:	4/9/2012 3:33:38PM
Date of Fit:	4/9/2012 3:33:38PM
Type of Fit:	Linear
Correlation:	0.99999
A0 (Offset):	0.010393
A1 (Gain):	0.073542
A2 (Curvature):	0.00000
n (Exponent):	1.0000

Reslope		QC Normalize	
Slope:	1.0000	**Slope factor:**	1.0000
Y Int:	0.00000	**Offset:**	0.00000

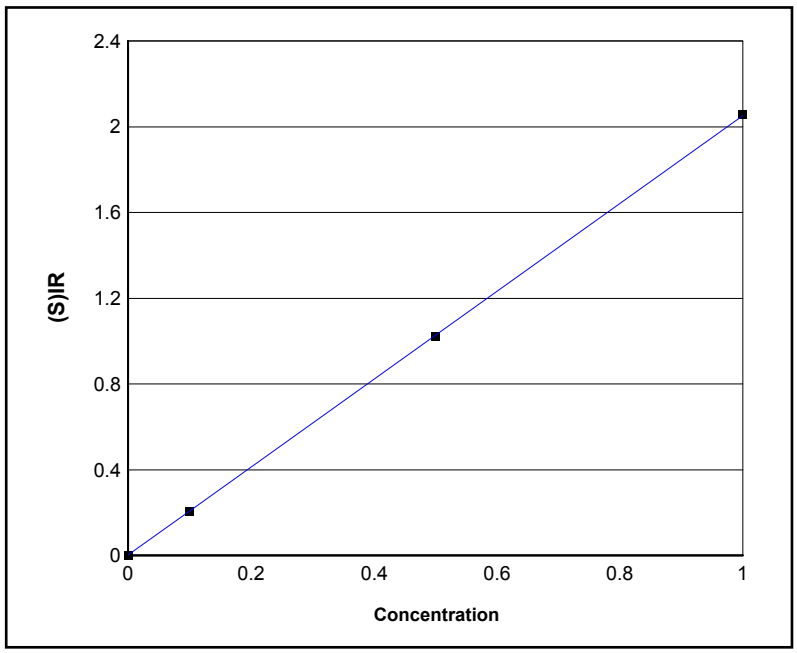
Standard Name	Stated	Found	Diff	% Diff	(S)IR	Stddev	Emphasis
IC1	0.00000	0.000000000	0.000060285	0.00000	0.010398	0.00021072	1
IC4	50.000	50.100	0.099075	0.19815	3.6948	0.014315	1
IC2	5.0000	4.9400	-0.062972	-1.2594	0.37347	0.0034213	1
IC3	25.000	24.960	-0.036103	-0.14441	1.8463	0.0051321	1



Element Name:	K
Element Wavelength:	K 766.490 nm
Concentration Units:	ppm
Date of Calibration:	4/9/2012 3:33:38PM
Date of Fit:	4/9/2012 3:33:38PM
Type of Fit:	Linear
Correlation:	0.99903
A0 (Offset):	0.010312
A1 (Gain):	7.5042
A2 (Curvature):	0.00000
n (Exponent):	1.0000

Reslope		QC Normalize	
Slope:	1.0000	**Slope factor:**	1.0000
Y Int:	0.00000	**Offset:**	0.00000

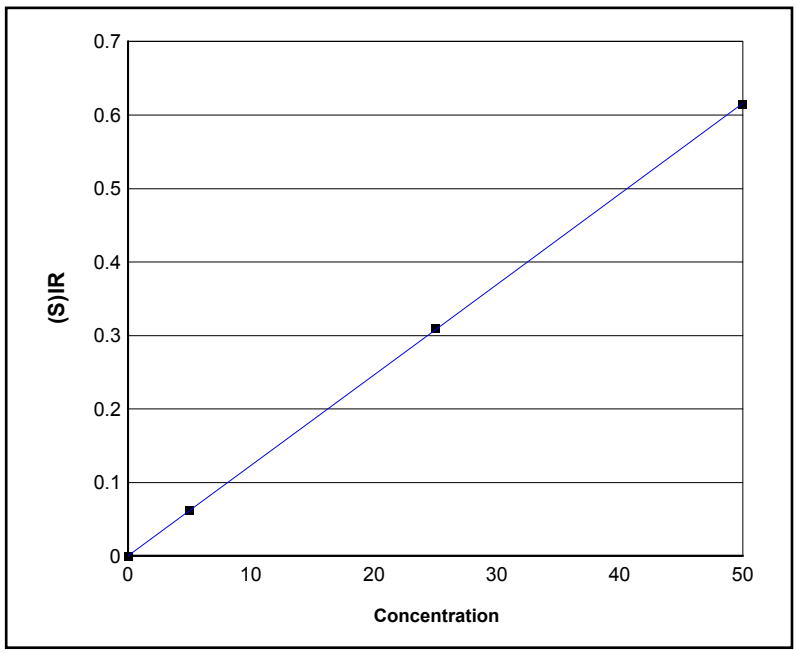
Standard Name	Stated	Found	Diff	% Diff	(S)IR	Stddev	Emphasis
IC1	0.00000	0.00000000	0.00074155	0.00000	0.015876	0.0048147	1
IC4	50.000	51.170	1.1729	2.3458	384.02	2.3916	1
IC2	5.0000	4.2200	-0.78033	-15.607	31.675	0.14446	1
IC3	25.000	24.610	-0.39255	-1.5702	184.67	0.94132	1



Element Name:	Li
Element Wavelength:	Li 670.784 nm
Concentration Units:	ppm
Date of Calibration:	4/9/2012 3:33:38PM
Date of Fit:	4/9/2012 3:33:38PM
Type of Fit:	Linear
Correlation:	0.99999
A0 (Offset):	0.0021956
A1 (Gain):	2.0509
A2 (Curvature):	0.00000
n (Exponent):	1.0000

Reslope		QC Normalize	
Slope:	1.0000	**Slope factor:**	1.0000
Y Int:	0.00000	**Offset:**	0.00000

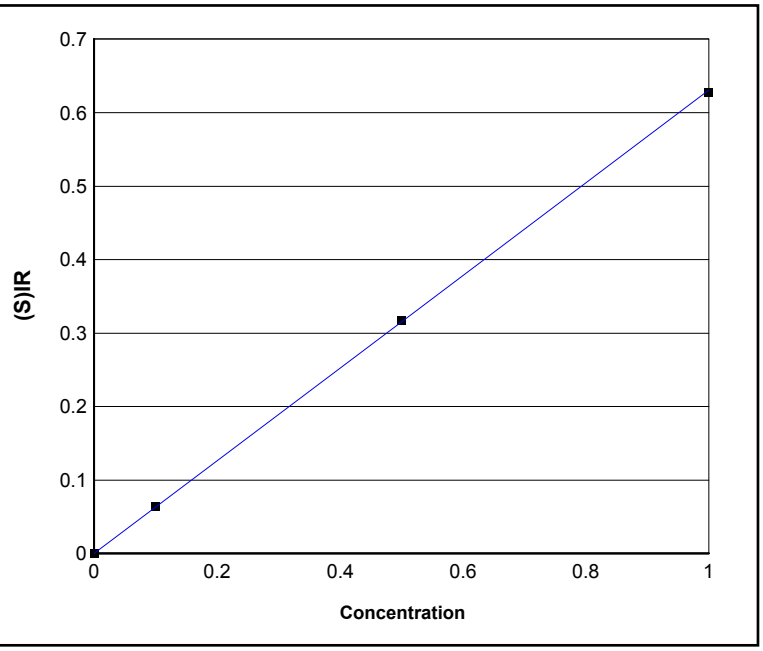
Standard Name	Stated	Found	Diff	% Diff	(S)IR	Stddev	Emphasis
IC1	0.00000	0.0000000000	0.0000011587	0.00000	0.0021979	0.0046168	1
IC2	0.10000	0.100000	-0.0011253	-1.1253	0.20498	0.0030388	1
IC3	0.50000	0.50000	-0.0014590	-0.29181	1.0247	0.0049210	1
IC4	1.0000	1.0000	0.0025844	0.25844	2.0584	0.0052493	1



Element Name:	Mg
Element Wavelength:	Mg 279.079 nm
Concentration Units:	ppm
Date of Calibration:	4/9/2012 3:33:38PM
Date of Fit:	4/9/2012 3:33:38PM
Type of Fit:	Linear
Correlation:	0.99999
A0 (Offset):	0.000066293
A1 (Gain):	0.012321
A2 (Curvature):	0.00000
n (Exponent):	1.0000

Reslope		QC Normalize	
Slope:	1.0000	**Slope factor:**	1.0000
Y Int:	0.00000	**Offset:**	0.00000

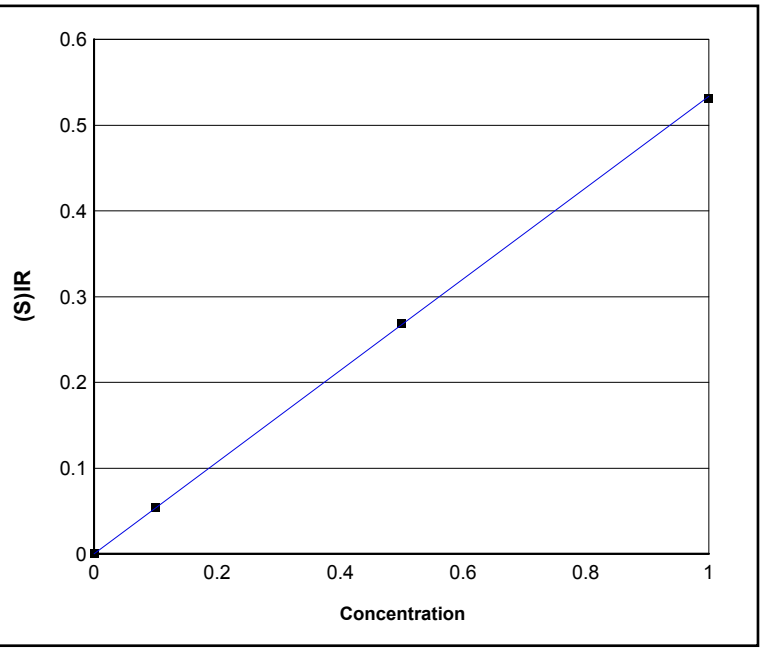
Standard Name	Stated	Found	Diff	% Diff	(S)IR	Stddev	Emphasis
IC1	0.00000	0.0000000000	-0.0000020367	0.00000	0.000066268	0.0000032494	1
IC4	50.000	49.890	-0.10964	-0.21927	0.61475	0.00070566	1
IC2	5.0000	4.9900	-0.011159	-0.22317	0.061532	0.00015921	1
IC3	25.000	25.120	0.12079	0.48318	0.30957	0.0023059	1



Element Name:	Mn
Element Wavelength:	Mn 257.610 nm
Concentration Units:	ppm
Date of Calibration:	4/9/2012 3:33:38PM
Date of Fit:	4/9/2012 3:33:38PM
Type of Fit:	Linear
Correlation:	0.99997
A0 (Offset):	0.00031003
A1 (Gain):	0.63035
A2 (Curvature):	0.00000
n (Exponent):	1.0000

Reslope		**QC Normalize**	
Slope:	1.0000	**Slope factor:**	1.0000
Y Int:	0.00000	**Offset:**	0.00000

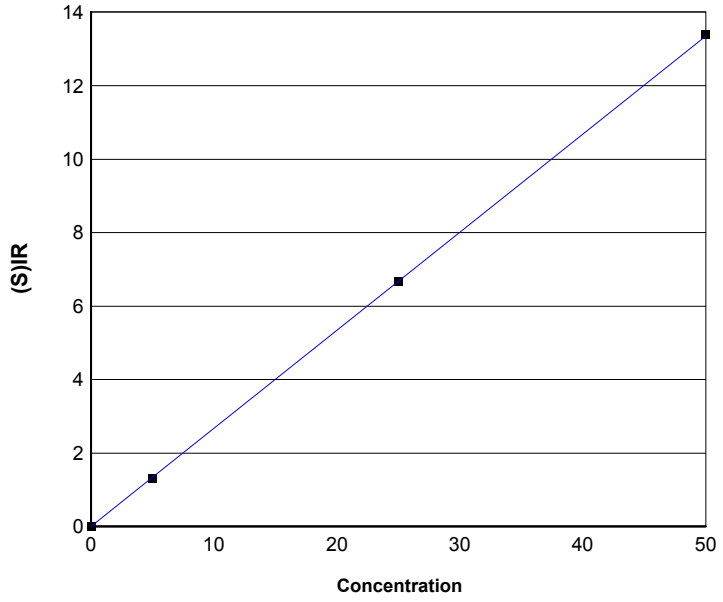
Standard Name	Stated	Found	Diff	% Diff	(S)IR	Stddev	Emphasis
IC1	0.00000	0.0000000000	-0.0000019823	0.00000	0.00030878	0.000093138	1
IC4	1.0000	0.99000	-0.0051119	-0.51119	0.62744	0.00027844	1
IC2	0.10000	0.10000	0.0018389	1.8389	0.064504	0.000015076	1
IC3	0.50000	0.50000	0.0032730	0.65460	0.31755	0.0013990	1



Element Name:	Mo
Element Wavelength:	Mo 202.030 nm
Concentration Units:	ppm
Date of Calibration:	4/9/2012 3:33:38PM
Date of Fit:	4/9/2012 3:33:38PM
Type of Fit:	Linear
Correlation:	0.99997
A0 (Offset):	0.00014741
A1 (Gain):	0.53375
A2 (Curvature):	0.00000
n (Exponent):	1.0000

Reslope		**QC Normalize**	
Slope:	1.0000	**Slope factor:**	1.0000
Y Int:	0.00000	**Offset:**	0.00000

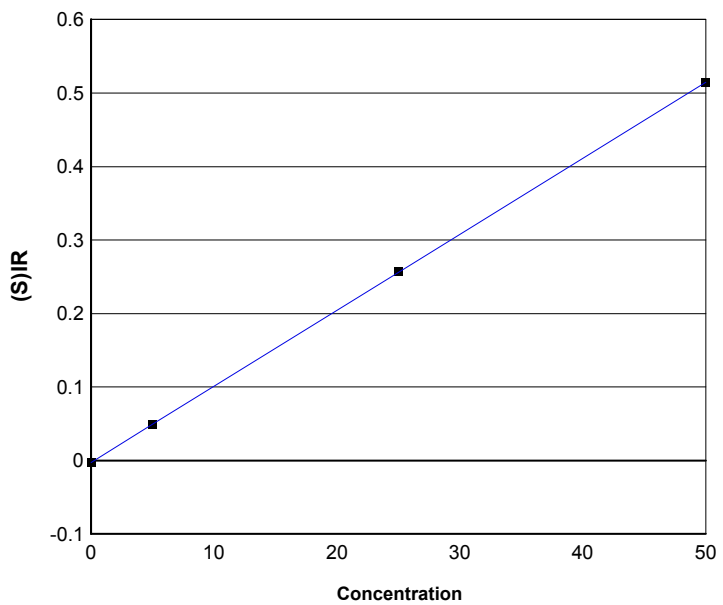
Standard Name	Stated	Found	Diff	% Diff	(S)IR	Stddev	Emphasis
IC1	0.00000	0.0000000000	-0.0000022455	0.00000	0.00014621	0.00025017	1
IC4	1.0000	0.99000	-0.0054875	-0.54875	0.53097	0.0065176	1
IC2	0.10000	0.10000	0.0021209	2.1209	0.054654	0.00027631	1
IC3	0.50000	0.50000	0.0033666	0.67332	0.26882	0.0032511	1



Element Name:	Na
Element Wavelength:	Na 589.592 nm
Concentration Units:	ppm
Date of Calibration:	4/9/2012 3:33:38PM
Date of Fit:	4/9/2012 3:33:38PM
Type of Fit:	Linear
Correlation:	0.99999
A0 (Offset):	0.0092140
A1 (Gain):	0.26693
A2 (Curvature):	0.00000
n (Exponent):	1.0000

Reslope		QC Normalize	
Slope:	1.0000	**Slope factor:**	1.0000
Y Int:	0.00000	**Offset:**	0.00000

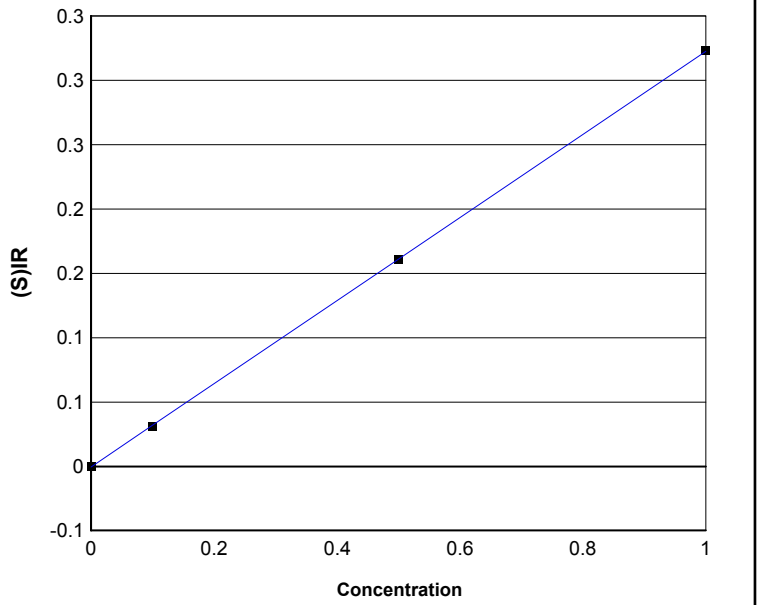
Standard Name	Stated	Found	Diff	% Diff	(S)IR	Stddev	Emphasis
IC1	0.00000	0.000000000	0.000067643	0.00000	0.0092320	0.0013296	1
IC4	50.000	50.110	0.11200	0.22401	13.385	0.032946	1
IC2	5.0000	4.9300	-0.070553	-1.4111	1.3250	0.0035974	1
IC3	25.000	24.960	-0.041451	-0.16580	6.6713	0.026215	1



Element Name:	Na
Element Wavelength:	Na 818.326 nm
Concentration Units:	ppm
Date of Calibration:	4/9/2012 3:33:38PM
Date of Fit:	4/9/2012 3:33:38PM
Type of Fit:	Linear
Correlation:	0.99999
A0 (Offset):	-0.0025432
A1 (Gain):	0.010341
A2 (Curvature):	0.00000
n (Exponent):	1.0000

Reslope		QC Normalize	
Slope:	1.0000	**Slope factor:**	1.0000
Y Int:	0.00000	**Offset:**	0.00000

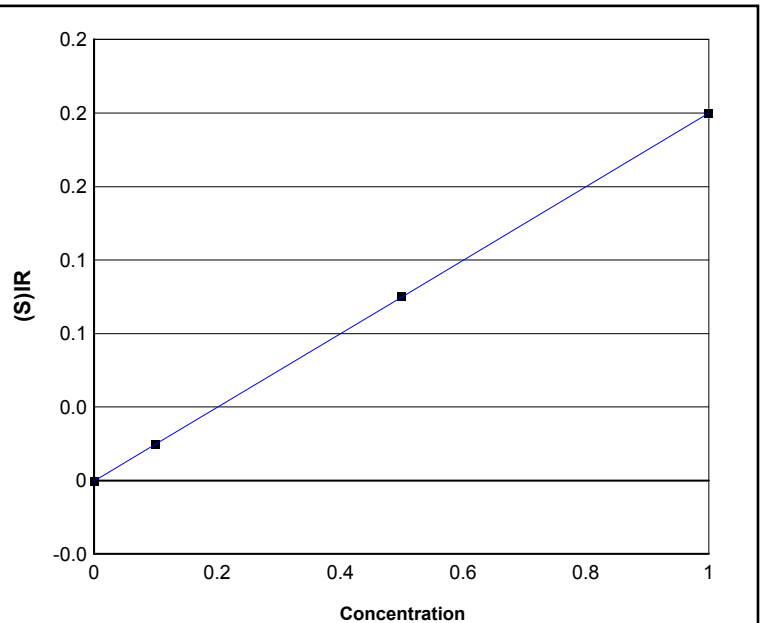
Standard Name	Stated	Found	Diff	% Diff	(S)IR	Stddev	Emphasis
IC1	0.00000	0.000000000	0.000048085	0.00000	-0.0025427	0.0026866	1
IC4	50.000	49.920	-0.077729	-0.15546	0.51372	0.0018575	1
IC2	5.0000	4.9300	-0.069823	-1.3965	0.048441	0.00048424	1
IC3	25.000	25.150	0.14755	0.59021	0.25751	0.00070740	1



Element Name:	Ni
Element Wavelength:	Ni 231.604 nm
Concentration Units:	ppm
Date of Calibration:	4/9/2012 3:33:38PM
Date of Fit:	4/9/2012 3:33:38PM
Type of Fit:	Linear
Correlation:	0.99998
A0 (Offset):	-0.00044061
A1 (Gain):	0.32322
A2 (Curvature):	0.00000
n (Exponent):	1.0000

Reslope		QC Normalize	
Slope:	1.0000	**Slope factor:**	1.0000
Y Int:	0.00000	**Offset:**	0.00000

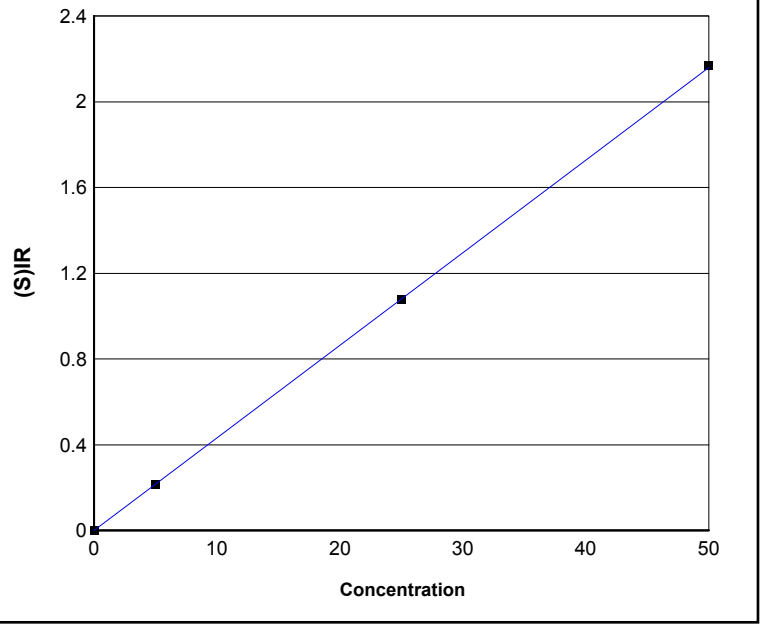
Standard Name	Stated	Found	Diff	% Diff	(S)IR	Stddev	Emphasis
IC1	0.00000	0.0000000000	0.0000022160	0.00000	-0.00043989	0.0000020233	1
IC4	1.0000	1.0000	0.0024318	0.24318	0.32337	0.0037272	1
IC2	0.10000	0.100000	-0.0024661	-2.4661	0.031065	0.00042452	1
IC3	0.50000	0.50000	0.000034308	0.0068616	0.16108	0.0015124	1



Element Name:	Pb
Element Wavelength:	Pb 220.353 nm
Concentration Units:	ppm
Date of Calibration:	4/9/2012 3:33:38PM
Date of Fit:	4/9/2012 3:33:38PM
Type of Fit:	Linear
Correlation:	1.00000
A0 (Offset):	-0.00039933
A1 (Gain):	0.20029
A2 (Curvature):	0.00000
n (Exponent):	1.0000

Reslope		QC Normalize	
Slope:	1.0000	**Slope factor:**	1.0000
Y Int:	0.00000	**Offset:**	0.00000

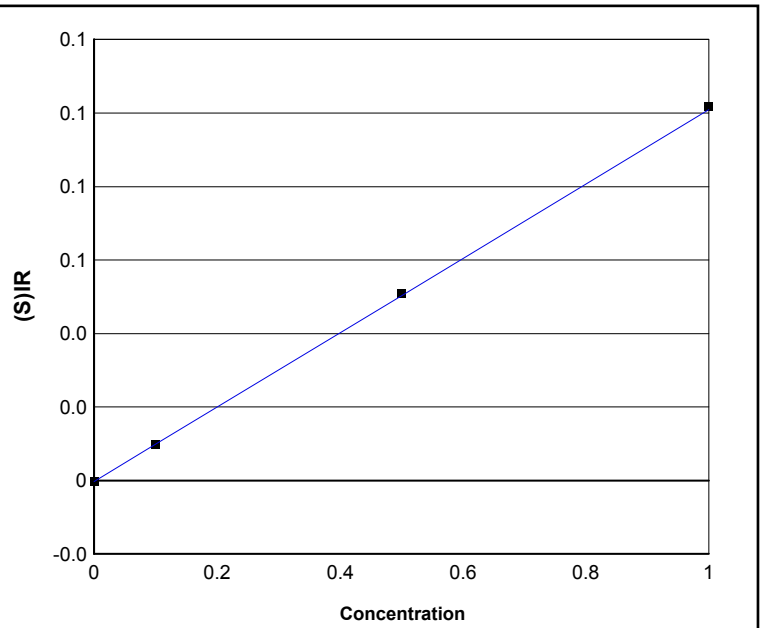
Standard Name	Stated	Found	Diff	% Diff	(S)IR	Stddev	Emphasis
IC1	0.00000	0.0000000000	-0.0000000940	0.00000	-0.00039935	0.00011011	1
IC4	1.0000	1.00000	-0.0012240	-0.12240	0.20007	0.0021213	1
IC2	0.10000	0.100000	-0.000035555	-0.035555	0.019665	0.00025485	1
IC3	0.50000	0.50000	0.0012596	0.25191	0.10021	0.0021886	1



Element Name:	S
Element Wavelength:	S 182.034 nm
Concentration Units:	ppm
Date of Calibration:	4/9/2012 3:33:38PM
Date of Fit:	4/9/2012 3:33:38PM
Type of Fit:	Linear
Correlation:	1.0000
A0 (Offset):	0.0001499
A1 (Gain):	0.04322
A2 (Curvature):	0.0000
n (Exponent):	1.000

Reslope		**QC Normalize**	
Slope:	1.000	**Slope factor:**	1.000
Y Int:	0.0000	**Offset:**	0.0000

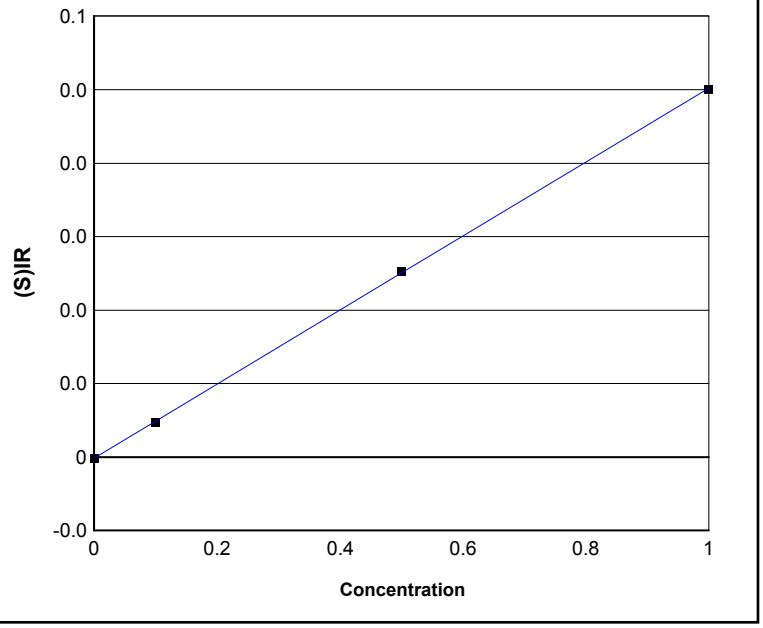
Standard Name	Stated	Found	Diff	% Diff	(S)IR	Stddev	Emphasis
IC1	0.0000	0.00000000	0.00007850	0.0000	0.0001533	0.0001088	1
IC2	5.000	4.920	-0.07747	-1.549	0.2129	0.002786	1
IC3	25.00	24.91	-0.08780	-0.3512	1.077	0.01056	1
IC4	50.00	50.17	0.1653	0.3305	2.168	0.02328	1



Element Name:	Sb
Element Wavelength:	Sb 206.833 nm
Concentration Units:	ppm
Date of Calibration:	4/9/2012 3:33:38PM
Date of Fit:	4/9/2012 3:33:38PM
Type of Fit:	Linear
Correlation:	1.00000
A0 (Offset):	-0.00031020
A1 (Gain):	0.10122
A2 (Curvature):	0.00000
n (Exponent):	1.0000

Reslope		**QC Normalize**	
Slope:	1.0000	**Slope factor:**	1.0000
Y Int:	0.00000	**Offset:**	0.00000

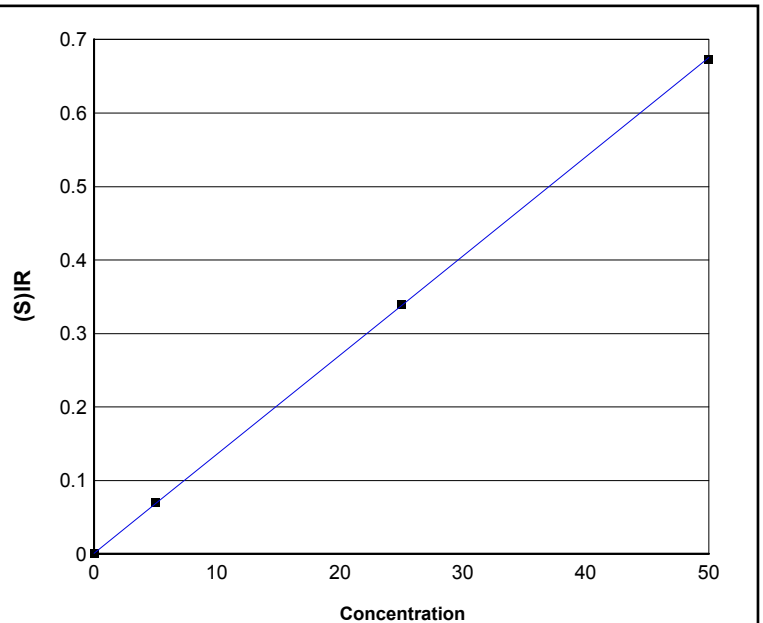
Standard Name	Stated	Found	Diff	% Diff	(S)IR	Stddev	Emphasis
IC1	0.00000	0.0000000000	-0.0000000225	0.00000	-0.00031020	0.00022504	1
IC4	1.0000	1.00000	-0.0017803	-0.17803	0.10165	0.0010429	1
IC2	0.10000	0.100000	-0.00019436	-0.19436	0.0098841	0.000019051	1
IC3	0.50000	0.50000	0.0019746	0.39493	0.050960	0.00036690	1



Element Name:	Se
Element Wavelength:	Se 196.090 nm
Concentration Units:	ppm
Date of Calibration:	4/9/2012 3:33:38PM
Date of Fit:	4/9/2012 3:33:38PM
Type of Fit:	Linear
Correlation:	0.99995
A0 (Offset):	-0.00014398
A1 (Gain):	0.050374
A2 (Curvature):	0.00000
n (Exponent):	1.0000

Reslope		QC Normalize	
Slope:	1.0000	**Slope factor:**	1.0000
Y Int:	0.00000	**Offset:**	0.00000

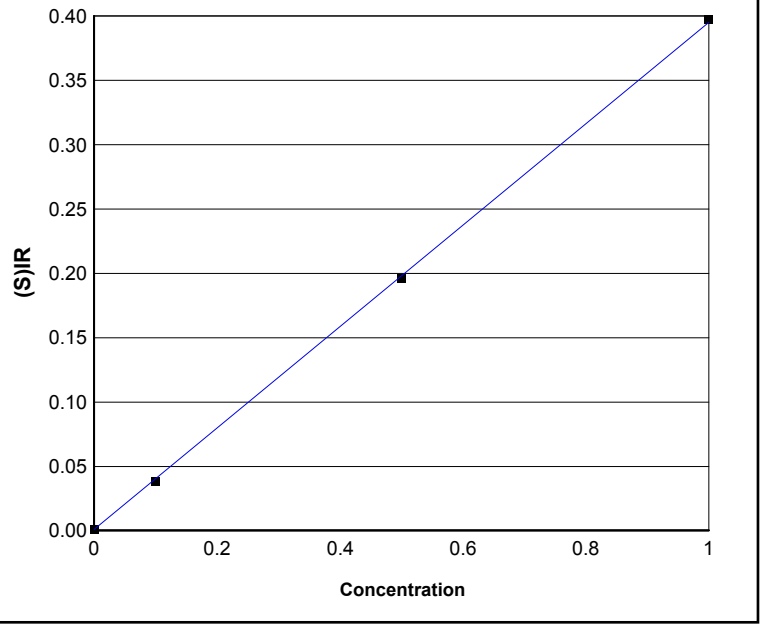
Standard Name	Stated	Found	Diff	% Diff	(S)IR	Stddev	Emphasis
IC1	0.00000	0.0000000000	0.0000021903	0.00000	-0.00014387	0.00018010	1
IC4	1.0000	1.00000	-0.0026075	-0.26075	0.050034	0.00078210	1
IC2	0.10000	0.100000	-0.0030638	-3.0638	0.0047326	0.00016181	1
IC3	0.50000	0.51000	0.0056714	1.1343	0.025296	0.00012971	1



Element Name:	Si
Element Wavelength:	Si 288.158 nm
Concentration Units:	ppm
Date of Calibration:	4/9/2012 3:33:38PM
Date of Fit:	4/9/2012 3:33:38PM
Type of Fit:	Linear
Correlation:	0.99997
A0 (Offset):	0.00084566
A1 (Gain):	0.013488
A2 (Curvature):	0.00000
n (Exponent):	1.0000

Reslope		QC Normalize	
Slope:	1.0000	**Slope factor:**	1.0000
Y Int:	0.00000	**Offset:**	0.00000

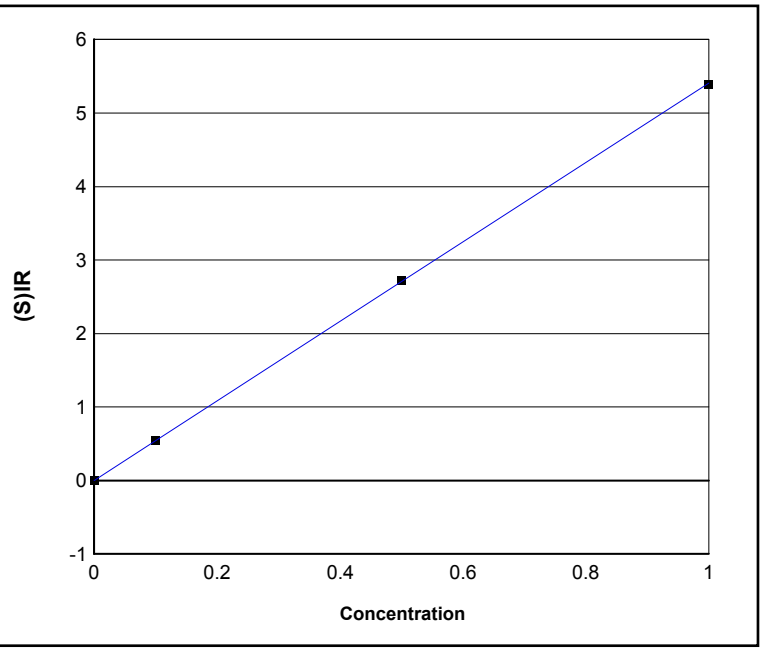
Standard Name	Stated	Found	Diff	% Diff	(S)IR	Stddev	Emphasis
IC1	0.00000	0.00000000	-0.00011555	0.00000	0.00084410	0.000010934	1
IC2	5.0000	5.1200	0.11806	2.3612	0.069899	0.00092888	1
IC3	25.000	25.090	0.092944	0.37178	0.33941	0.0037408	1
IC4	50.000	49.790	-0.21101	-0.42201	0.67261	0.00069227	1



Element Name:	Sn
Element Wavelength:	Sn 189.989 nm
Concentration Units:	ppm
Date of Calibration:	4/9/2012 3:33:38PM
Date of Fit:	4/9/2012 3:33:38PM
Type of Fit:	Linear
Correlation:	0.99990
A0 (Offset):	0.00076707
A1 (Gain):	0.39439
A2 (Curvature):	0.00000
n (Exponent):	1.0000

Reslope		QC Normalize	
Slope:	1.0000	**Slope factor:**	1.0000
Y Int:	0.00000	**Offset:**	0.00000

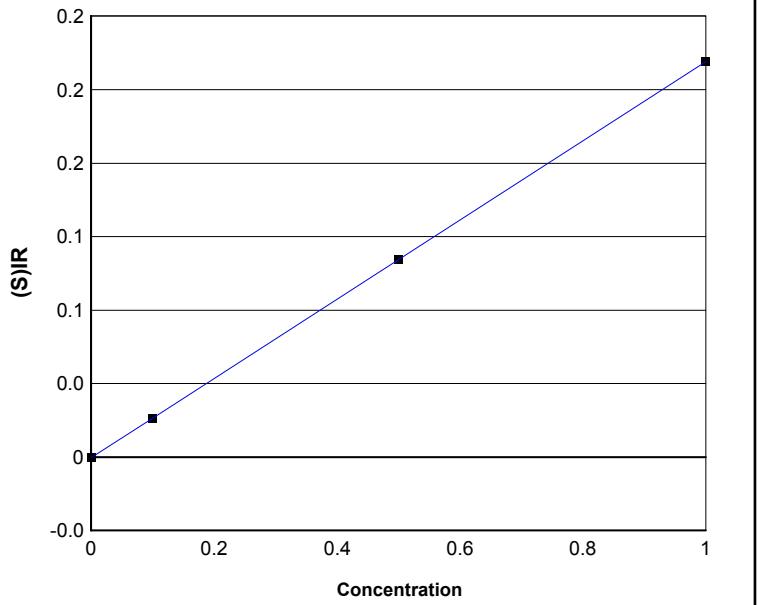
Standard Name	Stated	Found	Diff	% Diff	(S)IR	Stddev	Emphasis
IC1	0.00000	0.0000000000	0.0000045673	0.00000	0.00076887	0.000067981	1
IC4	1.0000	1.0100	0.0078818	0.78818	0.39731	0.0056313	1
IC2	0.10000	0.100000	-0.0047239	-4.7239	0.038247	0.00079404	1
IC3	0.50000	0.50000	-0.0031578	-0.63157	0.19624	0.0018399	1



Element Name:	Sr
Element Wavelength:	Sr 407.771 nm
Concentration Units:	ppm
Date of Calibration:	4/9/2012 3:33:38PM
Date of Fit:	4/9/2012 3:33:38PM
Type of Fit:	Linear
Correlation:	0.99999
A0 (Offset):	-0.0011889
A1 (Gain):	5.4105
A2 (Curvature):	0.00000
n (Exponent):	1.0000

Reslope		QC Normalize	
Slope:	1.0000	**Slope factor:**	1.0000
Y Int:	0.00000	**Offset:**	0.00000

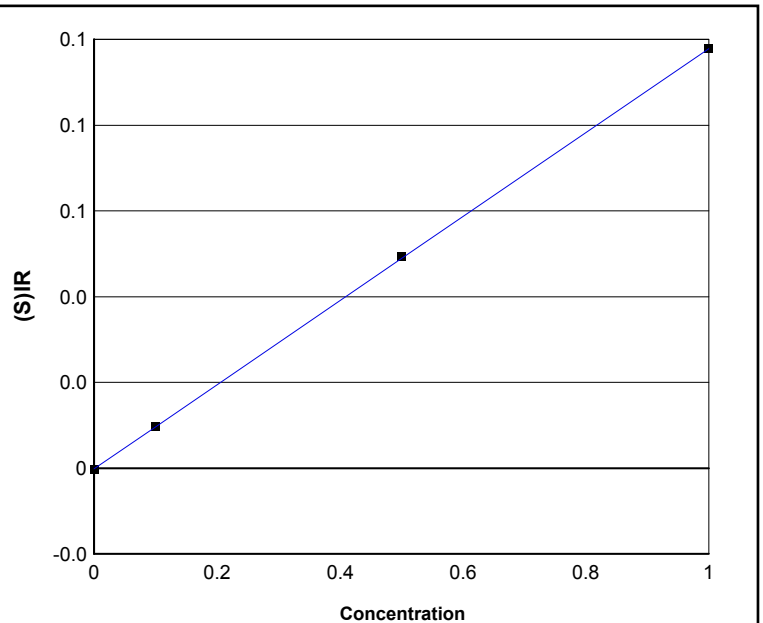
Standard Name	Stated	Found	Diff	% Diff	(S)IR	Stddev	Emphasis
IC1	0.00000	0.0000000000	-0.0000006562	0.00000	-0.0011924	0.00027314	1
IC2	0.10000	0.10000	0.00033176	0.33176	0.54194	0.0027706	1
IC3	0.50000	0.50000	0.0035763	0.71527	2.7248	0.011259	1
IC4	1.0000	1.00000	-0.0039081	-0.39081	5.3910	0.025250	1



Element Name:	Ti
Element Wavelength:	Ti 334.904 nm
Concentration Units:	ppm
Date of Calibration:	4/9/2012 3:33:38PM
Date of Fit:	4/9/2012 3:33:38PM
Type of Fit:	Linear
Correlation:	1.00000
A0 (Offset):	-0.00034190
A1 (Gain):	0.21551
A2 (Curvature):	0.00000
n (Exponent):	1.0000

Reslope		QC Normalize	
Slope:	1.0000	**Slope factor:**	1.0000
Y Int:	0.00000	**Offset:**	0.00000

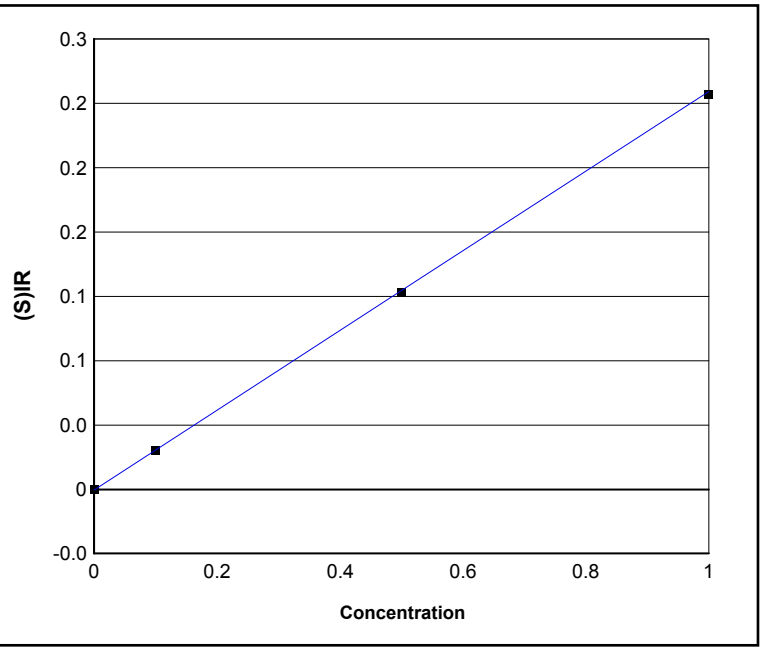
Standard Name	Stated	Found	Diff	% Diff	(S)IR	Stddev	Emphasis
IC1	0.00000	0.0000000000	0.0000005127	0.00000	-0.00034179	0.000067793	1
IC4	1.0000	1.0000	0.00096374	0.096374	0.21541	0.00050173	1
IC2	0.10000	0.100000	-0.00052038	-0.52038	0.021101	0.000029232	1
IC3	0.50000	0.50000	-0.00044337	-0.088673	0.10734	0.000035777	1



Element Name:	Tl
Element Wavelength:	Tl 190.856 nm
Concentration Units:	ppm
Date of Calibration:	4/9/2012 3:33:38PM
Date of Fit:	4/9/2012 3:33:38PM
Type of Fit:	Linear
Correlation:	0.99998
A0 (Offset):	-0.00016448
A1 (Gain):	0.098071
A2 (Curvature):	0.00000
n (Exponent):	1.0000

Reslope		QC Normalize	
Slope:	1.0000	**Slope factor:**	1.0000
Y Int:	0.00000	**Offset:**	0.00000

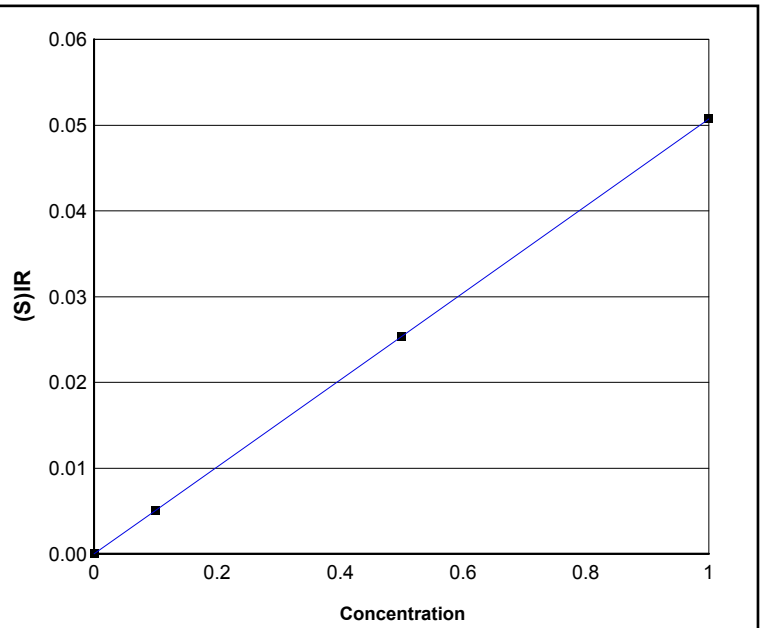
Standard Name	Stated	Found	Diff	% Diff	(S)IR	Stddev	Emphasis
IC1	0.00000	0.0000000000	-0.0000013522	0.00000	-0.00016461	0.000066250	1
IC4	1.0000	1.00000	-0.0047560	-0.47560	0.097929	0.0018520	1
IC2	0.10000	0.10000	0.0010958	1.0958	0.0097989	0.00031140	1
IC3	0.50000	0.50000	0.0036602	0.73205	0.049474	0.0010629	1



Element Name:	V
Element Wavelength:	V 292.402 nm
Concentration Units:	ppm
Date of Calibration:	4/9/2012 3:33:38PM
Date of Fit:	4/9/2012 3:33:38PM
Type of Fit:	Linear
Correlation:	1.00000
A0 (Offset):	-0.00033096
A1 (Gain):	0.24771
A2 (Curvature):	0.00000
n (Exponent):	1.0000

Reslope		QC Normalize	
Slope:	1.0000	**Slope factor:**	1.0000
Y Int:	0.00000	**Offset:**	0.00000

Standard Name	Stated	Found	Diff	% Diff	(S)IR	Stddev	Emphasis
IC1	0.00000	0.0000000000	-0.0000003710	0.00000	-0.00033106	0.00010802	1
IC4	1.0000	1.00000	-0.00011237	-0.011237	0.24520	0.0012724	1
IC2	0.10000	0.10000	0.00044966	0.44966	0.024336	0.00011700	1
IC3	0.50000	0.50000	-0.00033728	-0.067457	0.12236	0.000042731	1



Element Name:	Zn
Element Wavelength:	Zn 206.200 nm
Concentration Units:	ppm
Date of Calibration:	4/9/2012 3:33:38PM
Date of Fit:	4/9/2012 3:33:38PM
Type of Fit:	Linear
Correlation:	1.00000
A0 (Offset):	0.000012677
A1 (Gain):	0.050727
A2 (Curvature):	0.00000
n (Exponent):	1.0000

Reslope		QC Normalize	
Slope:	1.0000	**Slope factor:**	1.0000
Y Int:	0.00000	**Offset:**	0.00000

Standard Name	Stated	Found	Diff	% Diff	(S)IR	Stddev	Emphasis
IC1	0.00000	0.0000000000	0.0000006353	0.00000	0.000012709	0.0000092662	1
IC4	1.0000	1.0000	0.00037294	0.037294	0.050726	0.00022436	1
IC2	0.10000	0.100000	-0.00074751	-0.74751	0.0050442	0.000043787	1
IC3	0.50000	0.50000	0.00037457	0.074914	0.025379	0.00015964	1

Sample Name: IC1 Acquired: 4/9/2012 15:24:28 Type: Cal
Method: ICAP1(v262) Mode: IR Corr. Factor: 1.000000
User: MDM Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	B_2089	Ba4554	Ba4554-2	Be3130	Ca3179	Cd2288	Co2286	Cr2677	Cu3247
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**-.00007**	**.00159**	**.00037**	**.00217**	**.01096**	**.00388**	**-.00018**	**.00355**	**.00168**	**-.00041**	**.00007**	**.00346**
Stddev	.00001	.00031	.00009	.00007	.00093	.00024	.00055	.00016	.00001	.00005	.00002	.00002
%RSD	16.308	19.670	22.959	3.0527	8.5216	6.2587	298.94	4.4641	.46046	12.363	23.866	.54762
#1	-.00007	.00136	.00043	.00212	.01030	.00371	-.00057	.00366	.00169	-.00044	.00006	.00348
#2	-.00006	.00181	.00031	.00221	.01162	.00405	.00020	.00343	.00168	-.00037	.00008	.00345

Elem	Fe2599	Fe2714	K_7664	K_7664-2	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Na8183	Ni2316	Pb2203
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**-.00021**	**.00007**	**.01040**	**.01588**	**.00220**	**.00007**	**.00031**	**.00015**	**.00923**	**-.00254**	**-.00044**	**-.00040**
Stddev	.00006	.00028	.00021	.00481	.00462	.00000	.00009	.00025	.00133	.00269	.00000	.00011
%RSD	29.357	420.17	2.0266	30.326	210.05	4.9035	30.164	171.10	14.402	105.66	.45995	27.571
#1	-.00026	.00026	.01055	.01928	-.00107	.00007	.00024	-.00003	.01017	-.00064	-.00044	-.00032
#2	-.00017	-.00013	.01025	.01247	.00546	.00006	.00037	.00032	.00829	-.00444	-.00044	-.00048

Elem	S_1820	Sb2068	Se1960	Si2881	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**.0002**	**-.00031**	**-.00014**	**.00084**	**.00077**	**-.00119**	**-.00034**	**-.00016**	**-.00033**	**.00001**
Stddev	.0001	.00023	.00018	.00001	.00007	.00027	.00007	.00007	.00011	.00001
%RSD	71.01	72.545	125.18	1.2953	8.8417	22.906	19.835	40.246	32.630	72.910
#1	.0002	-.00015	-.00002	.00084	.00082	-.00100	-.00029	-.00021	-.00025	.00001
#2	.0001	-.00047	-.00027	.00085	.00072	-.00139	-.00039	-.00012	-.00041	.00002

Int. Std.	In2306	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**2006.7**	**2823.6**	**25432.**	**4620.2**
Stddev	3.0	.3	100.	23.9
%RSD	.14909	.01105	.39127	.51786
#1	2008.9	2823.8	25503.	4603.2
#2	2004.6	2823.4	25362.	4637.1

Sample Name: IC2 Acquired: 4/9/2012 15:26:46 Type: Cal
Method: ICAP1(v262) Mode: IR Corr. Factor: 1.000000
User: MDM Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	B_2089	Ba4554	Ba4554-2	Be3130	Ca3179	Cd2288	Co2286	Cr2677	Cu3247	Fe2599
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**.01807**	**.07211**	**.01093**	**.04814**	**.35189**	**1.1622**	**.28263**	**.40437**	**.16491**	**.14453**	**.01286**	**.03645**	**.14006**
Stddev	.00022	.00024	.00006	.00041	.00060	.0005	.00009	.00443	.00094	.00093	.00019	.00021	.00021
%RSD	1.1964	.32884	.55543	.85312	.17029	.04422	.03030	1.0947	.56981	.64415	1.4845	.57993	.14695
#1	.01792	.07194	.01098	.04843	.35147	1.1625	.28269	.40124	.16558	.14519	.01273	.03630	.14021
#2	.01822	.07228	.01089	.04785	.35232	1.1618	.28257	.40750	.16425	.14388	.01300	.03659	.13992

Elem	Fe2714	K_7664	K_7664-2	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Na8183	Ni2316	Pb2203	S_1820	Sb2068
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**.01267**	**.37347**	**31.675**	**.20498**	**.06153**	**.06450**	**.05465**	**1.3250**	**.04844**	**.03106**	**.01967**	**.2129**	**.00988**
Stddev	.00037	.00342	.144	.00304	.00016	.00002	.00028	.0036	.00048	.00042	.00025	.0028	.00002
%RSD	2.9303	.91607	.45607	1.4825	.25874	.02337	.50557	.27150	.99964	1.3666	1.2959	1.309	.19275
#1	.01293	.37106	31.573	.20283	.06142	.06449	.05485	1.3276	.04878	.03136	.01948	.2149	.00990
#2	.01241	.37589	31.778	.20713	.06164	.06451	.05446	1.3225	.04810	.03076	.01985	.2109	.00987

Elem	Se1960	Si2881	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**.00473**	**.06990**	**.03825**	**.54194**	**.02110**	**.00980**	**.02434**	**.00504**
Stddev	.00016	.00093	.00079	.00277	.00003	.00031	.00012	.00004
%RSD	3.4190	1.3289	2.0761	.51124	.13854	3.1779	.48078	.86808
#1	.00485	.06924	.03881	.53998	.02108	.01002	.02425	.00501
#2	.00462	.07056	.03769	.54390	.02112	.00958	.02442	.00508

Int. Std.	In2306	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**1980.9**	**2843.1**	**25298.**	**4623.1**
Stddev	2.9	7.7	167.	4.3
%RSD	.14459	.27002	.65884	.09344
#1	1982.9	2848.5	25416.	4620.0
#2	1978.9	2837.7	25180.	4626.1

Sample Name: IC3 Acquired: 4/9/2012 15:29:04 Type: Cal
Method: ICAP1(v262) Mode: IR Corr. Factor: 1.000000
User: MDM Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	B_2089	Ba4554	Ba4554-2	Be3130	Ca3179	Cd2288	Co2286	Cr2677	Cu3247	Fe2599
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**.09172**	**.35487**	**.05306**	**.23201**	**1.7300**	**5.7385**	**1.4003**	**1.9947**	**.82337**	**.74397**	**.06383**	**.17055**	**.69493**
Stddev	.00028	.00189	.00066	.00337	.0011	.0347	.0015	.0112	.01264	.00788	.00062	.00057	.00457
%RSD	.30112	.53338	1.2349	1.4510	.06318	.60431	.10956	.56367	1.5356	1.0589	.96637	.33366	.65694
#1	.09192	.35353	.05353	.23440	1.7308	5.7630	1.3992	1.9867	.83231	.74954	.06427	.17014	.69170
#2	.09152	.35621	.05260	.22963	1.7293	5.7139	1.4013	2.0026	.81443	.73840	.06340	.17095	.69815

Elem	Fe2714	K_7664	K_7664-2	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Na8183	Ni2316	Pb2203	S_1820	Sb2068
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**.06350**	**1.8463**	**184.67**	**1.0247**	**.30957**	**.31755**	**.26882**	**6.6713**	**.25751**	**.16108**	**.10021**	**1.077**	**.05096**
Stddev	.00108	.0051	.94	.0049	.00231	.00140	.00325	.0262	.00071	.00151	.00219	.011	.00037
%RSD	1.6948	.27797	.50974	.48026	.74487	.44056	1.2094	.39296	.27470	.93891	2.1840	.9805	.71998
#1	.06274	1.8427	185.33	1.0212	.31120	.31854	.27112	6.6528	.25802	.16215	.10176	1.084	.05122
#2	.06426	1.8499	184.00	1.0281	.30794	.31656	.26652	6.6898	.25701	.16001	.09866	1.069	.05070

Elem	Se1960	Si2881	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**.02530**	**.33941**	**.19624**	**2.7248**	**.10734**	**.04947**	**.12236**	**.02538**
Stddev	.00013	.00374	.00184	.0113	.00004	.00106	.00004	.00016
%RSD	.51275	1.1022	.93758	.41320	.03333	2.1483	.03492	.62902
#1	.02539	.33676	.19754	2.7169	.10736	.05023	.12239	.02549
#2	.02520	.34205	.19494	2.7328	.10731	.04872	.12233	.02527

Int. Std.	In2306	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**1879.9**	**2815.1**	**24744.**	**4642.2**
Stddev	2.1	4.3	63.	11.2
%RSD	.10935	.15166	.25635	.24049
#1	1881.4	2812.0	24699.	4650.1
#2	1878.5	2818.1	24788.	4634.3

Sample Name: IC4 Acquired: 4/9/2012 15:31:22 Type: Cal
Method: ICAP1(v262) Mode: IR Corr. Factor: 1.000000
User: MDM Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	B_2089	Ba4554	Ba4554-2	Be3130	Ca3179	Cd2288	Co2286	Cr2677	Cu3247	Fe2599
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**.18299**	**.71098**	**.10614**	**.45767**	**3.4076**	**11.201**	**2.7654**	**3.9791**	**1.6334**	**1.4906**	**.12682**	**.33749**	**1.3782**
Stddev	.00032	.00303	.00192	.00533	.0145	.101	.0001	.0086	.0193	.0224	.00023	.00071	.0042
%RSD	.17379	.42622	1.8132	1.1656	.42480	.89971	.00225	.21644	1.1800	1.5008	.18289	.21004	.30700
#1	.18321	.70884	.10751	.46144	3.4178	11.272	2.7654	3.9730	1.6471	1.5064	.12699	.33799	1.3752
#2	.18276	.71312	.10478	.45389	3.3973	11.130	2.7655	3.9852	1.6198	1.4747	.12666	.33699	1.3812

Elem	Fe2714	K_7664	K_7664-2	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Na8183	Ni2316	Pb2203	S_1820	Sb2068
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**.12674**	**3.6948**	**384.02**	**2.0584**	**.61475**	**.62744**	**.53097**	**13.385**	**.51372**	**.32337**	**.20007**	**2.168**	**.10165**
Stddev	.00102	.0143	2.39	.0053	.00071	.00028	.00652	.033	.00186	.00373	.00212	.023	.00104
%RSD	.80856	.38743	.62279	.25502	.11479	.04438	1.2275	.24613	.36158	1.1526	1.0603	1.074	1.0260
#1	.12601	3.7049	382.33	2.0621	.61525	.62763	.53557	13.409	.51240	.32600	.20157	2.185	.10239
#2	.12746	3.6847	385.71	2.0547	.61425	.62724	.52636	13.362	.51503	.32073	.19857	2.152	.10091

Elem	Se1960	Si2881	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**.05003**	**.67261**	**.39731**	**5.3910**	**.21541**	**.09793**	**.24520**	**.05073**
Stddev	.00078	.00069	.00563	.0253	.00050	.00185	.00127	.00022
%RSD	1.5631	.10292	1.4174	.46837	.23292	1.8911	.51893	.44229
#1	.05059	.67212	.40129	5.4088	.21577	.09924	.24610	.05088
#2	.04948	.67310	.39333	5.3731	.21506	.09662	.24430	.05057

Int. Std.	In2306	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**1799.2**	**2766.4**	**24143.**	**4600.0**
Stddev	1.1	5.6	29.	12.2
%RSD	.06307	.20173	.11990	.26521
#1	1800.0	2770.4	24164.	4608.7
#2	1798.4	2762.5	24123.	4591.4

Sample Name: ICV-668707 Acquired: 4/9/2012 15:33:42 Type: QC
Method: ICAP1(v262) Mode: CONC Corr. Factor: 1.000000
User: MDM Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	B_2089	Ba4554-2	Be3130	Ca3179	Cd2288	Co2286	Cr2677	Cu3247	Fe2599
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.37051	18.405	.36808	.36835	.38472	.37130	18.340	.37310	.36071	.36950	.36598	18.834
Stddev	.00325	.017	.00473	.00385	.00127	.00026	.072	.00266	.00368	.00069	.00073	.013
%RSD	.87658	.09331	1.2848	1.0439	.33013	.06902	.39362	.71312	1.0210	.18584	.19950	.06948
#1	.36821	18.417	.37142	.37107	.38382	.37112	18.289	.37499	.36332	.36998	.36546	18.825
#2	.37281	18.393	.36473	.36563	.38562	.37148	18.391	.37122	.35811	.36901	.36649	18.844
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value												
Range												

Elem	K_7664	K_7664-2	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203	S_1820	Sb2068	Se1960
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	18.224	W 17.200	.36224	18.788	.38485	.37611	18.126	.36794	.36845	18.55	.37336	.36858
Stddev	.137	.301	.00003	.031	.00040	.00253	.105	.00433	.00210	.11	.00019	.00312
%RSD	.75111	1.7494	.00757	.16271	.10436	.67136	.57825	1.1774	.56863	.5706	.04968	.84590
#1	18.128	16.987	.36226	18.767	.38457	.37789	18.052	.37100	.36993	18.63	.37349	.37078
#2	18.321	17.413	.36222	18.810	.38514	.37432	18.200	.36487	.36697	18.48	.37323	.36637
Check ?	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value		18.750										
Range		-5.0000%										

Elem	Si2881	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	18.174	.37763	.36735	.37213	.37343	.37033	.37145
Stddev	.238	.00366	.00037	.00083	.00425	.00066	.00097
%RSD	1.3088	.96848	.09991	.22330	1.1393	.17702	.26129
#1	18.006	.38022	.36709	.37272	.37644	.36986	.37214
#2	18.342	.37505	.36761	.37154	.37042	.37079	.37077
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value							
Range							

Int. Std.	In2306	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	1908.5	2802.2	24900.	4654.5
Stddev	3.4	4.5	33.	14.0
%RSD	.18032	.15988	.13372	.30111
#1	1906.1	2799.0	24923.	4664.4
#2	1910.9	2805.4	24876.	4644.6

Sample Name: ICB-665389 Acquired: 4/9/2012 15:36:00 Type: QC
Method: ICAP1(v262) Mode: CONC Corr. Factor: 1.000000
User: MDM Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	B_2089	Ba4554-2	Be3130	Ca3179	Cd2288	Co2286	Cr2677	Cu3247	Fe2599	K_7664
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00080**	**.04194**	**.00220**	**.00097**	**.00000**	**.00005**	**-.00152**	**-.00008**	**-.00018**	**-.00088**	**.00004**	**.01634**	**-.02092**
Stddev	.00067	.00386	.00112	.00046	.00002	.00004	.00432	.00002	.00000	.00007	.00004	.00651	.00672
%RSD	84.356	9.2016	50.892	46.892	692.13	74.396	284.15	20.460	2.3351	8.5032	105.57	39.861	32.100
#1	-.00032	.04467	.00141	.00130	.00002	.00002	.00154	-.00009	-.00017	-.00083	.00006	.02094	-.01617
#2	-.00127	.03921	.00300	.00065	-.00001	.00007	-.00458	-.00007	-.00018	-.00093	.00001	.01173	-.02567
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit													
Low Limit													

Elem	K_7664-2	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00405**	**-.00017**	**.00040**	**-.00011**	**.00030**	**.01187**	**-.00076**	**.00008**	F **.0037**	**.00005**	**-.00640**	**.03209**	**.00021**
Stddev	.00013	.00066	.00401	.00000	.00010	.00283	.00027	.00230	.0021	.00074	.00006	.02879	.00027
%RSD	3.2503	389.00	1005.2	.63516	33.202	23.805	35.006	2997.6	57.37	1639.6	.88403	89.745	126.94
#1	.00396	.00030	.00323	-.00011	.00023	.00987	-.00095	-.00155	.0052	.00057	-.00644	.05245	.00002
#2	.00415	-.00064	-.00244	-.00011	.00037	.01387	-.00057	.00170	.0022	-.00048	-.00636	.01172	.00040
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									.0030				
Low Limit									-.0040				

Elem	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm
Avg	**.00004**	**.00018**	**.00088**	**.00082**	**-.00007**
Stddev	.00008	.00022	.00028	.00072	.00023
%RSD	199.03	120.64	31.386	87.354	323.69
#1	.00010	.00003	.00069	.00031	-.00023
#2	-.00002	.00034	.00108	.00133	.00009
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Int. Std.	In2306	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**2019.7**	**2848.5**	**25413.**	**4618.0**
Stddev	.2	5.2	6.	20.0
%RSD	.01133	.18293	.02380	.43257
#1	2019.5	2844.8	25417.	4603.8
#2	2019.9	2852.2	25409.	4632.1

Sample Name: CRI-649194 Acquired: 4/9/2012 15:38:34 Type: QC
Method: ICAP1(v262) Mode: CONC Corr. Factor: 1.000000
User: MDM Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	B_2089	Ba4554-2	Be3130	Ca3179	Cd2288	Co2286	Cr2677	Cu3247	Fe2599
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	W .00167	.21139	.00782	.02070	.00214	.00228	.50208	.00095	.00377	.00336	.00989	W .07240
Stddev	.00007	.03903	.00284	.00006	.00001	.00019	.01363	.00004	.00010	.00025	.00071	.00209
%RSD	3.9920	18.463	36.374	.29090	.26265	8.2218	2.7143	3.8738	2.7218	7.3036	7.1652	2.8915
#1	.00162	.23899	.00983	.02074	.00214	.00241	.51171	.00092	.00370	.00353	.00939	.07092
#2	.00171	.18379	.00581	.02065	.00215	.00214	.49244	.00097	.00384	.00318	.01039	.07388
Check ?	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn
Value	.00300											.05000
Range	-30.000%											30.000%

Elem	K_7664	K_7664-2	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203	S_1820	Sb2068	Se1960
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.47290	.38364	.02820	.20359	.00333	.01009	.96792	.00968	.00506	F .0200	.02118	.01696
Stddev	.01585	.00144	.00005	.00143	.00004	.00007	.00254	.00077	.00109	.0010	.00262	.00001
%RSD	3.3515	.37591	.17356	.70482	1.0776	.67897	.26197	7.9162	21.470	4.773	12.389	.06615
#1	.46169	.38466	.02823	.20258	.00331	.01004	.96971	.00914	.00583	.0193	.01933	.01697
#2	.48411	.38262	.02816	.20461	.00336	.01013	.96612	.01022	.00429	.0207	.02304	.01695
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass
Value										.0030		
Range										50.00%		

Elem	Si2881	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.48822	W .00685	.00481	.00522	.01989	.00608	.00987
Stddev	.00479	.00065	.00000	.00048	.00429	.00046	.00048
%RSD	.98026	9.4962	.04565	9.2463	21.560	7.6040	4.8625
#1	.49160	.00731	.00481	.00488	.02293	.00640	.00953
#2	.48484	.00639	.00481	.00556	.01686	.00575	.01021
Check ?	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value		.01000					
Range		-30.000%					

Int. Std.	In2306	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2032.5	2861.8	25630.	4635.7
Stddev	.0	2.5	10.	59.2
%RSD	.00130	.08718	.03780	1.2776
#1	2032.5	2860.0	25637.	4593.8
#2	2032.4	2863.5	25623.	4677.6

Sample Name: ICSA-659146 Acquired: 4/9/2012 15:40:56 Type: QC
Method: ICAP1(v262) Mode: CONC Corr. Factor: 1.000000
User: MDM Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	B_2089	Ba4554-2	Be3130	Ca3179	Cd2288	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00169**	**502.54**	**.00718**	**.00096**	**.00048**	**.00016**	**483.91**	**.00260**	**-.00008**	**.00048**	**.00234**	**189.00**	**-.04204**
Stddev	.00033	2.04	.00402	.00098	.00005	.00025	2.09	.00005	.00018	.00003	.00037	.39	.04521
%RSD	19.778	.40684	56.076	102.53	9.7173	159.14	.43293	2.0785	233.36	6.3239	15.687	.20547	107.54
#1	-.00192	503.99	.01002	.00026	.00045	-.00002	485.39	.00263	.00005	.00050	.00208	188.72	-.07401
#2	-.00145	501.10	.00433	.00165	.00051	.00034	482.43	.00256	-.00020	.00046	.00260	189.27	-.01007
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit													
Low Limit													

Elem	K_7664-2	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00271**	**.00508**	**524.51**	**.00204**	**-.00165**	**.03501**	**-.00048**	**-.00555**	F **-.1014**	**-.01173**	**-.00880**	**.00390**	**.00160**
Stddev	.00054	.00082	1.28	.00017	.00011	.00015	.00121	.00198	.0013	.00167	.00450	.01664	.00013
%RSD	20.072	16.182	.24427	8.4077	6.4382	.42152	253.64	35.752	1.329	14.196	51.101	426.98	7.8884
#1	.00233	.00567	525.41	.00216	-.00158	.03512	-.00133	-.00415	-.1004	-.01291	-.01198	-.00787	.00151
#2	.00310	.00450	523.60	.00192	-.00173	.03491	.00038	-.00695	-.1023	-.01055	-.00562	.01567	.00169
Check ?	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	None	Chk Pass
High Limit									.0060				
Low Limit									-.0060				

Elem	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm
Avg	**.00065**	**.00473**	**.00111**	**.00639**	**.00166**
Stddev	.00007	.00006	.00754	.00035	.00009
%RSD	11.090	1.1666	676.21	5.4637	5.1120
#1	.00070	.00477	-.00421	.00614	.00172
#2	.00060	.00469	.00644	.00663	.00160
Check ?	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Int. Std.	In2306	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**1506.5**	**2504.4**	**21526.**	**4391.0**
Stddev	.4	4.5	139.	3.3
%RSD	.02500	.17824	.64525	.07554
#1	1506.3	2507.6	21428.	4388.7
#2	1506.8	2501.3	21624.	4393.4

Sample Name: ICSAB-662364 Acquired: 4/9/2012 15:43:15 Type: QC
Method: ICAP1(v262) Mode: CONC Corr. Factor: 1.000000
User: MDM Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	B_2089	Ba4554	Be3130	Ca3179	Cd2288	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.17506	491.36	.11213	.00505	.49935	.51457	472.44	1.0543	.51345	.49924	.54873	92.960	-.00116
Stddev	.00031	1.34	.00062	.00109	.00368	.00059	.65	.0076	.00104	.00183	.00206	.809	.02711
%RSD	.17765	.27347	.55633	21.598	.73790	.11535	.13768	.72086	.20351	.36567	.37498	.87025	2335.0
#1	.17484	490.41	.11168	.00428	.49674	.51415	471.98	1.0596	.51419	.50053	.54727	93.532	-.02033
#2	.17528	492.31	.11257	.00583	.50195	.51499	472.90	1.0489	.51271	.49795	.55018	92.388	.01801
Check ?	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None
Value													
Range													

Elem	K_7664-2	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.01257	.51590	538.47	.48789	-.00092	.05879	.99770	.04927	F .0057	.59458	.05106	1.0306	.00003
Stddev	.00073	.00114	.55	.00093	.00008	.00803	.00009	.00239	.0033	.00253	.00484	.0214	.00038
%RSD	5.8405	.22133	.10248	.19011	8.2380	13.655	.00887	4.8440	58.40	.42634	9.4868	2.0714	1502.8
#1	.01309	.51509	538.08	.48723	-.00086	.06446	.99764	.04758	.0081	.59638	.05449	1.0155	.00030
#2	.01205	.51671	538.86	.48854	-.00097	.05311	.99776	.05096	.0034	.59279	.04764	1.0457	-.00025
Check ?	None	None	Chk Pass	Chk Pass	None	None	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	None
Value									.2000				
Range									-20.00%				

Elem	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm
Avg	.48536	.00376	.09969	.51530	1.0095
Stddev	.00173	.00037	.00360	.00007	.0067
%RSD	.35543	9.9221	3.6113	.01301	.66095
#1	.48414	.00350	.10223	.51535	1.0142
#2	.48658	.00403	.09714	.51525	1.0047
Check ?	None	None	Chk Pass	Chk Pass	Chk Pass
Value					
Range					

Int. Std.	In2306	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	1525.5	2518.0	21562.	4453.5
Stddev	3.2	.3	.	.7
%RSD	.21077	.01234	.00015	.01579
#1	1527.7	2517.8	21562.	4454.0
#2	1523.2	2518.2	21562.	4453.0

Sample Name: CCV-665391 Acquired: 4/9/2012 15:45:28 Type: QC
Method: ICAP1(v262) Mode: CONC Corr. Factor: 1.000000
User: MDM Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	B_2089	Ba4554	Be3130	Ca3179	Cd2288	Co2286	Cr2677	Cu3247	Fe2599	K_7664
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.49585	24.364	.49440	.48520	.50046	.49258	24.496	.49971	.48580	.49318	.48739	25.013	24.210
Stddev	.00378	.024	.00252	.00141	.00283	.00021	.092	.00089	.00112	.00381	.00246	.114	.032
%RSD	.76283	.09973	.51004	.29158	.56619	.04222	.37656	.17870	.23019	.77258	.50375	.45423	.13214
#1	.49852	24.347	.49619	.48620	.50247	.49244	24.431	.50035	.48659	.49587	.48912	25.094	24.187
#2	.49317	24.381	.49262	.48420	.49846	.49273	24.562	.49908	.48501	.49049	.48565	24.933	24.233
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value													
Range													

Elem	K_7664-2	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	24.011	.47947	25.186	.51309	.50220	24.050	.49385	.49162	24.95	.50159	.49525	23.867	.50997
Stddev	.033	.00131	.031	.00037	.00068	.019	.00259	.00104	.02	.00091	.00052	.040	.00163
%RSD	.13777	.27271	.12430	.07159	.13475	.07770	.52414	.21054	.0955	.18133	.10576	.16653	.31933
#1	23.988	.47855	25.208	.51335	.50268	24.037	.49568	.49089	24.96	.50223	.49562	23.839	.51112
#2	24.034	.48039	25.164	.51283	.50172	24.063	.49202	.49235	24.93	.50095	.49488	23.895	.50882
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value													
Range													

Elem	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm
Avg	.48468	.50135	.50150	.49251	.49395
Stddev	.00149	.00059	.00334	.00110	.00016
%RSD	.30687	.11750	.66580	.22356	.03152
#1	.48574	.50093	.50386	.49173	.49406
#2	.48363	.50176	.49914	.49329	.49384
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value					
Range					

Int. Std.	In2306	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	1890.2	2806.9	24776.	4646.2
Stddev	1.3	8.0	78.	25.1
%RSD	.07121	.28437	.31372	.54045
#1	1891.2	2812.5	24831.	4664.0
#2	1889.3	2801.3	24721.	4628.5

Sample Name: CCB-665389 Acquired: 4/9/2012 15:47:44 Type: QC
Method: ICAP1(v262) Mode: CONC Corr. Factor: 1.000000
User: MDM Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	B_2089	Ba4554-2	Be3130	Ca3179	Cd2288	Co2286	Cr2677	Cu3247	Fe2599	K_7664
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00086**	**.00725**	**-.00111**	**.00021**	**.00002**	**.00007**	**.00661**	**-.00011**	**.00002**	**-.00047**	**.00013**	**.01942**	**-.02871**
Stddev	.00110	.03488	.00268	.00015	.00003	.00018	.00672	.00002	.00026	.00022	.00014	.00494	.01969
%RSD	128.85	481.27	241.97	73.646	133.09	266.51	101.71	15.830	1035.3	45.971	106.94	25.433	68.599
#1	-.00163	-.01741	.00079	.00032	.00000	-.00006	.01136	-.00012	.00021	-.00032	.00003	.02292	-.01478
#2	-.00008	.03191	-.00301	.00010	.00004	.00019	.00186	-.00009	-.00016	-.00062	.00023	.01593	-.04264
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit													
Low Limit													

Elem	K_7664-2	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00393**	**.00061**	**.00948**	**-.00007**	**.00019**	**-.00210**	**.00015**	**-.00120**	**.0002**	**.00017**	**.00095**	**.01452**	**.00010**
Stddev	.00064	.00062	.00259	.00005	.00019	.00719	.00010	.00165	.0043	.00121	.00086	.02187	.00014
%RSD	16.200	100.21	27.284	71.456	99.132	341.71	64.437	138.33	2256.	692.14	90.104	150.70	144.62
#1	.00348	.00105	.01131	-.00004	.00006	.00298	.00008	-.00003	.0033	.00103	.00035	-.00095	.00020
#2	.00438	.00018	.00765	-.00011	.00033	-.00719	.00022	-.00237	-.0029	-.00068	.00156	.02998	.00000
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit													
Low Limit													

Elem	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm
Avg	**.00005**	**-.00018**	**.00240**	**.00073**	**.00020**
Stddev	.00000	.00018	.00003	.00025	.00027
%RSD	.42183	101.38	1.1579	33.664	137.95
#1	.00005	-.00030	.00238	.00055	.00000
#2	.00005	-.00005	.00242	.00090	.00039
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Int. Std.	In2306	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**2017.7**	**2844.3**	**25333.**	**4631.5**
Stddev	2.1	.2	1.	11.7
%RSD	.10604	.00568	.00366	.25238
#1	2016.2	2844.2	25332.	4623.2
#2	2019.2	2844.4	25333.	4639.8

Sample Name: MB 480-58146/19-B Acquired: 4/9/2012 15:50:06 Type: Unk
Method: ICAP1(v262) Mode: CONC Corr. Factor: 1.000000
User: MDM Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	B_2089	Ba4554-2	Be3130	Ca3179	Cd2288	Co2286
Line	328.068 {103}	308.215 {109}	189.042 {478}	208.959 {461}	455.403 { 74}2	313.042 {108}	317.933 {106}	228.802 {447}	228.616 {447}
IS Ref	(Y_3600)	(Y_3774)	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3774)	(Y_3774)	(Y_2243)	(In2306)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00032**	**.05920**	**-.00169**	**.00496**	**.00008**	**.00012**	**.07116**	**.00014**	**.00016**
Stddev	.00042	.04453	.00090	.00054	.00001	.00010	.00021	.00002	.00014
%RSD	132.89	75.212	53.200	10.859	11.107	83.426	.30201	16.408	91.261
#1	-.00002	.09068	-.00106	.00534	.00009	.00020	.07101	.00016	.00026
#2	-.00062	.02772	-.00233	.00458	.00007	.00005	.07131	.00012	.00006
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Cr2677	Cu3247	Fe2599	K_7664	K_7664-2	Li6707	Mg2790	Mn2576	Mo2020
Line	267.716 {126}	324.754 {104}	259.940 {130}	766.490 { 44}	766.490 { 44}2	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}
IS Ref	(Y_3600)	(Y_3600)	(Y_3774)	(Y_3774)	(Y_3774)	(Y_3774)	(Y_3600)	(Y_3600)	(Y_2243)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00079**	**.00005**	**.01829**	**-.02022**	**.00456**	**.00094**	**.00291**	**.00034**	**.00030**
Stddev	.00026	.00022	.00503	.00838	.00029	.00104	.00219	.00013	.00006
%RSD	33.207	484.82	27.499	41.474	6.4257	111.42	75.092	37.880	20.863
#1	-.00097	.00020	.02185	-.01429	.00435	.00167	.00446	.00025	.00026
#2	-.00060	-.00011	.01474	-.02615	.00476	.00020	.00137	.00043	.00034
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Na5895	Ni2316	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899	Sr4077
Line	589.592 { 57}	231.604 {446}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}2	189.989 {477}	407.771 { 83}
IS Ref	(Y_3774)	(In2306)	(In2306)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3774)	(In2306)	(Y_3774)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.01769**	**.00032**	**-.00061**	F **.0050**	**.00098**	**-.00190**	**-.02002**	**-.00115**	**.00030**
Stddev	.00298	.00015	.00179	.0008	.00067	.00003	.01195	.00021	.00010
%RSD	16.862	47.576	292.93	15.87	69.059	1.3317	59.691	17.838	32.334
#1	.01558	.00043	.00065	.0045	.00145	-.00192	-.01157	-.00101	.00037
#2	.01980	.00021	-.00188	.0056	.00050	-.00188	-.02847	-.00130	.00023
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				.0030					
Low Limit				-.0040					

Elem	Ti3349	Tl1908	V_2924	Zn2062
Line	334.904 {101}	190.856 {477}	292.402 {115}	206.200 {163}
IS Ref	(Y_3600)	(In2306)	(Y_3600)	(Y_3600)
Units	ppm	ppm	ppm	ppm
Avg	**.00008**	**-.00137**	**.00044**	**.00055**
Stddev	.00024	.00018	.00022	.00000
%RSD	313.65	13.136	48.764	.05396
#1	.00024	-.00149	.00060	.00055
#2	-.00009	-.00124	.00029	.00055
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				
Low Limit				

Int. Std.	In2306	Y_2243	Y_3600	Y_3774
Line	230.606 {446}	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**2032.8**	**2845.3**	**25513.**	**4648.6**
Stddev	1.5	4.2	56.	12.2
%RSD	.07511	.14683	.21972	.26248
#1	2031.7	2848.2	25553.	4640.0
#2	2033.9	2842.3	25474.	4657.2

Sample Name: LCS 480-58146/20-B Acquired: 4/9/2012 15:52:27 Type: Unk
Method: ICAP1(v262) Mode: CONC Corr. Factor: 1.000000
User: MDM Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	B_2089	Ba4554-2	Be3130	Ca3179	Cd2288	Co2286
Line	328.068 {103}	308.215 {109}	189.042 {478}	208.959 {461}	455.403 { 74}2	313.042 {108}	317.933 {106}	228.802 {447}	228.616 {447}
IS Ref	(Y_3600)	(Y_3774)	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3774)	(Y_3774)	(Y_2243)	(In2306)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.04989**	**9.8934**	**.19801**	**.20527**	**.20917**	**.20605**	**9.6117**	**.19953**	**.19320**
Stddev	.00051	.0529	.00410	.00218	.00011	.00091	.0434	.00233	.00122
%RSD	1.0308	.53418	2.0684	1.0638	.05101	.44258	.45180	1.1699	.63228
#1	.04952	9.9308	.20091	.20682	.20910	.20669	9.6424	.20118	.19406
#2	.05025	9.8560	.19511	.20373	.20925	.20540	9.5809	.19788	.19233
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Cr2677	Cu3247	Fe2599	K_7664	K_7664-2	Li6707	Mg2790	Mn2576	Mo2020
Line	267.716 {126}	324.754 {104}	259.940 {130}	766.490 { 44}	766.490 { 44}2	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}
IS Ref	(Y_3600)	(Y_3600)	(Y_3774)	(Y_3774)	(Y_3774)	(Y_3774)	(Y_3600)	(Y_3600)	(Y_2243)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.19785**	**.19566**	**9.9129**	**9.6540**	**8.7952**	**.19252**	**9.9973**	**.20706**	**.20318**
Stddev	.00222	.00132	.0607	.0443	.1059	.00130	.0164	.00021	.00233
%RSD	1.1229	.67216	.61246	.45874	1.2037	.67723	.16363	.10289	1.1456
#1	.19628	.19659	9.9558	9.6853	8.7203	.19160	10.009	.20690	.20483
#2	.19943	.19473	9.8699	9.6227	8.8700	.19345	9.9857	.20721	.20153
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Na5895	Ni2316	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899	Sr4077
Line	589.592 { 57}	231.604 {446}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}2	189.989 {477}	407.771 { 83}
IS Ref	(Y_3774)	(In2306)	(In2306)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3774)	(In2306)	(Y_3774)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**9.6382**	**.19436**	**.19901**	F **.0042**	**.20148**	**.19308**	**9.9963**	**.19198**	**.19793**
Stddev	.0568	.00255	.00146	.0008	.00086	.00019	.0723	.00166	.00014
%RSD	.58895	1.3112	.73459	18.71	.42668	.09741	.72361	.86635	.07155
#1	9.6784	.19616	.19797	.0048	.20208	.19295	10.047	.19316	.19803
#2	9.5981	.19256	.20004	.0037	.20087	.19321	9.9452	.19081	.19783
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				11.50					
Low Limit				8.500					

Elem	Ti3349	Tl1908	V_2924	Zn2062
Line	334.904 {101}	190.856 {477}	292.402 {115}	206.200 {163}
IS Ref	(Y_3600)	(In2306)	(Y_3600)	(Y_3600)
Units	ppm	ppm	ppm	ppm
Avg	**.19758**	**.19767**	**.19461**	**.20883**
Stddev	.00129	.00531	.00003	.00156
%RSD	.65091	2.6853	.01562	.74547
#1	.19849	.20142	.19463	.20773
#2	.19667	.19391	.19459	.20993
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				
Low Limit				

Int. Std.	In2306	Y_2243	Y_3600	Y_3774
Line	230.606 {446}	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**1959.8**	**2814.9**	**25113.**	**4685.4**
Stddev	4.1	3.8	7.	1.6
%RSD	.20965	.13453	.02601	.03519
#1	1956.9	2812.2	25118.	4686.6
#2	1962.7	2817.6	25108.	4684.3

Sample Name: 480-18204-E-1-A Acquired: 4/9/2012 15:54:48 Type: Unk
Method: ICAP1(v262) Mode: CONC Corr. Factor: 1.000000
User: MDM Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	B_2089	Ba4554-2	Be3130	Ca3179	Cd2288	Co2286
Line	328.068 {103}	308.215 {109}	189.042 {478}	208.959 {461}	455.403 { 74}2	313.042 {108}	317.933 {106}	228.802 {447}	228.616 {447}
IS Ref	(Y_3600)	(Y_3774)	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3774)	(Y_3774)	(Y_2243)	(In2306)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00083**	**.02847**	**.05898**	**.01494**	**.00011**	**.00012**	**.09249**	**.00360**	F **-.00466**
Stddev	.00060	.02460	.03212	.00770	.00004	.00009	.00807	.00221	.00333
%RSD	72.461	86.404	54.457	51.557	40.622	76.296	8.7213	61.493	71.464
#1	-.00125	.01107	.03627	.00950	.00008	.00005	.09820	.00204	-.00231
#2	-.00040	.04586	.08169	.02039	.00014	.00018	.08679	.00517	-.00702
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail
High Limit									20.000
Low Limit									-.00400

Elem	Cr2677	Cu3247	Fe2599	K_7664	K_7664-2	Li6707	Mg2790	Mn2576	Mo2020
Line	267.716 {126}	324.754 {104}	259.940 {130}	766.490 { 44}	766.490 { 44}2	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}
IS Ref	(Y_3600)	(Y_3600)	(Y_3774)	(Y_3774)	(Y_3774)	(Y_3774)	(Y_3600)	(Y_3600)	(Y_2243)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00030**	**.00137**	**.01721**	**.00107**	**.03980**	**-.00048**	**.01489**	**.00031**	**.00177**
Stddev	.00060	.00018	.00647	.00034	.00017	.00061	.00202	.00001	.00138
%RSD	199.11	12.974	37.621	31.636	.43729	127.67	13.595	4.7341	77.941
#1	-.00073	.00149	.01263	.00131	.03968	-.00005	.01632	.00030	.00079
#2	.00012	.00124	.02179	.00083	.03992	-.00091	.01346	.00032	.00274
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Na5895	Ni2316	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899	Sr4077
Line	589.592 { 57}	231.604 {446}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}2	189.989 {477}	407.771 { 83}
IS Ref	(Y_3774)	(In2306)	(In2306)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3774)	(In2306)	(Y_3774)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.14510**	**.00385**	**.01493**	**3.433**	F **-.04777**	F **-.09028**	**-.00348**	**.00539**	**.00038**
Stddev	.00031	.00397	.01407	2.320	.03782	.06101	.01737	.00528	.00006
%RSD	.21416	103.12	94.234	67.58	79.168	67.580	498.57	98.128	16.629
#1	.14532	.00104	.00498	1.792	-.02103	-.04714	.00880	.00165	.00034
#2	.14488	.00666	.02487	5.073	-.07452	-.13342	-.01577	.00912	.00043
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Fail	Chk Pass	Chk Pass	Chk Pass
High Limit					50.000	40.000			
Low Limit					-.02000	-.01500			

Elem	Ti3349	Tl1908	V_2924	Zn2062
Line	334.904 {101}	190.856 {477}	292.402 {115}	206.200 {163}
IS Ref	(Y_3600)	(In2306)	(Y_3600)	(Y_3600)
Units	ppm	ppm	ppm	ppm
Avg	**-.00008**	**.00545**	**.00096**	**.00175**
Stddev	.00015	.00824	.00097	.00001
%RSD	195.93	151.30	101.06	.42717
#1	.00003	-.00038	.00165	.00176
#2	-.00019	.01127	.00027	.00175
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				
Low Limit				

Int. Std.	In2306	Y_2243	Y_3600	Y_3774
Line	230.606 {446}	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**1872.8**	**2677.0**	**25063.**	**4663.5**
Stddev	46.7	28.3	274.	4.1
%RSD	2.4953	1.0573	1.0920	.08790
#1	1905.8	2697.0	25257.	4666.4
#2	1839.8	2657.0	24870.	4660.6

Sample Name: CCV Acquired: 4/9/2012 15:57:08 Type: QC
Method: ICAP1(v262) Mode: CONC Corr. Factor: 1.000000
User: MDM Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	B_2089	Ba4554	Be3130	Ca3179	Cd2288	Co2286	Cr2677	Cu3247	Fe2599	K_7664
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.49506**	**24.554**	**.49256**	**.48608**	**.49890**	**.49564**	**24.661**	**.50065**	**.48604**	**.49355**	**.48873**	**25.264**	**24.254**
Stddev	.00015	.073	.00300	.00066	.00278	.00175	.088	.00157	.00037	.00045	.00209	.043	.026
%RSD	.03064	.29548	.60911	.13611	.55731	.35322	.35502	.31351	.07683	.09198	.42833	.16971	.10551
#1	.49517	24.503	.49468	.48561	.50087	.49687	24.599	.50176	.48630	.49387	.49021	25.294	24.272
#2	.49496	24.605	.49044	.48655	.49694	.49440	24.723	.49954	.48577	.49323	.48725	25.233	24.236
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value													
Range													

Elem	K_7664-2	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**23.575**	**.48276**	**25.103**	**.51441**	**.50322**	**24.144**	**.49735**	**.49494**	**25.08**	**.50242**	**.49510**	**23.973**	**.51281**
Stddev	.148	.00028	.011	.00010	.00163	.024	.00119	.00053	.10	.00100	.00382	.128	.00072
%RSD	.62585	.05707	.04181	.01929	.32445	.09793	.23889	.10646	.4009	.19826	.77216	.53507	.14019
#1	23.680	.48296	25.110	.51434	.50438	24.127	.49651	.49457	25.15	.50171	.49780	24.064	.51332
#2	23.471	.48257	25.095	.51448	.50207	24.161	.49819	.49532	25.01	.50312	.49240	23.882	.51231
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value													
Range													

Elem	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm
Avg	**.48400**	**.50557**	**.50223**	**.49485**	**.49082**
Stddev	.00047	.00083	.00061	.00492	.00040
%RSD	.09621	.16319	.12086	.99478	.08112
#1	.48432	.50616	.50266	.49833	.49054
#2	.48367	.50499	.50180	.49137	.49110
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value					
Range					

Int. Std.	In2306	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**1890.7**	**2807.4**	**24761.**	**4620.0**
Stddev	4.7	3.8	18.	1.8
%RSD	.24679	.13466	.07366	.03794
#1	1894.0	2810.0	24748.	4621.3
#2	1887.4	2804.7	24774.	4618.8

Sample Name: CCB Acquired: 4/9/2012 15:59:24 Type: QC
Method: ICAP1(v262) Mode: CONC Corr. Factor: 1.000000
User: MDM Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	B_2089	Ba4554-2	Be3130	Ca3179	Cd2288	Co2286	Cr2677	Cu3247	Fe2599	K_7664
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00094**	**.04800**	**-.00041**	**-.00057**	**.00002**	**.00003**	**-.00935**	**-.00002**	**-.00021**	**-.00073**	**.00029**	**.00464**	**.00901**
Stddev	.00084	.00448	.00013	.00071	.00002	.00000	.00596	.00013	.00003	.00021	.00002	.00539	.01886
%RSD	90.048	9.3287	31.253	124.74	109.92	2.1957	63.709	759.07	14.832	29.457	6.7746	116.21	209.31
#1	-.00153	.05116	-.00032	-.00007	.00003	.00003	-.00514	-.00011	-.00024	-.00058	.00028	.00845	-.00432
#2	-.00034	.04483	-.00050	-.00107	.00000	.00003	-.01356	.00007	-.00019	-.00088	.00030	.00083	.02234
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit													
Low Limit													

Elem	K_7664-2	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00383**	**.00016**	**.00028**	**-.00013**	**.00004**	**.00438**	**-.00023**	**.00074**	**.0006**	**-.00084**	**-.00396**	**-.01596**	**-.00013**
Stddev	.00044	.00074	.00620	.00002	.00016	.00586	.00118	.00125	.0037	.00018	.00089	.00401	.00007
%RSD	11.353	462.24	2231.9	15.489	415.66	133.77	502.38	169.13	625.8	22.072	22.534	25.156	54.857
#1	.00352	.00068	.00467	-.00011	.00015	.00024	-.00107	.00162	-.0020	-.00097	-.00460	-.01312	-.00008
#2	.00414	-.00036	-.00411	-.00014	-.00008	.00852	.00060	-.00014	.0032	-.00071	-.00333	-.01880	-.00018
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit													
Low Limit													

Elem	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm
Avg	**.00003**	**.00032**	**-.00105**	**.00116**	**-.00020**
Stddev	.00008	.00033	.00121	.00014	.00012
%RSD	295.21	102.95	115.23	11.960	61.464
#1	-.00003	.00056	-.00190	.00106	-.00028
#2	.00008	.00009	-.00019	.00126	-.00011
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Int. Std.	In2306	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**2024.7**	**2840.2**	**25463.**	**4639.6**
Stddev	6.1	.9	48.	6.5
%RSD	.30002	.03204	.18721	.13920
#1	2029.0	2839.5	25429.	4635.0
#2	2020.4	2840.8	25497.	4644.2

Sample Name: 480-18204-E-2 Acquired: 4/9/2012 16:01:47 Type: Unk
Method: ICAP1(v262) Mode: CONC Corr. Factor: 1.000000
User: MDM Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	B_2089	Ba4554-2	Be3130	Ca3179	Cd2288	Co2286
Line	328.068 {103}	308.215 {109}	189.042 {478}	208.959 {461}	455.403 { 74}2	313.042 {108}	317.933 {106}	228.802 {447}	228.616 {447}
IS Ref	(Y_3600)	(Y_3774)	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3774)	(Y_3774)	(Y_2243)	(In2306)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00101**	**.05061**	**-.00071**	**.03054**	**.04629**	**-.00002**	**28.673**	**.00004**	**-.00009**
Stddev	.00007	.04131	.00228	.00048	.00003	.00011	.013	.00010	.00009
%RSD	7.1650	81.636	321.76	1.5699	.06397	602.50	.04631	245.01	106.90
#1	-.00096	.07982	-.00232	.03088	.04631	.00006	28.664	-.00003	-.00015
#2	-.00106	.02139	.00090	.03020	.04627	-.00010	28.682	.00011	-.00002
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Cr2677	Cu3247	Fe2599	K_7664	K_7664-2	Li6707	Mg2790	Mn2576	Mo2020
Line	267.716 {126}	324.754 {104}	259.940 {130}	766.490 { 44}	766.490 { 44}2	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}
IS Ref	(Y_3600)	(Y_3600)	(Y_3774)	(Y_3774)	(Y_3774)	(Y_3774)	(Y_3600)	(Y_3600)	(Y_2243)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00014**	**.00068**	**.03583**	**2.8967**	**2.5888**	**.00387**	**10.979**	**.00017**	**-.00003**
Stddev	.00069	.00016	.00857	.0248	.0156	.00101	.040	.00006	.00002
%RSD	490.99	24.234	23.911	.85508	.60257	25.966	.36825	35.609	63.186
#1	-.00063	.00056	.04188	2.8791	2.5778	.00458	11.007	.00021	-.00002
#2	.00035	.00080	.02977	2.9142	2.5998	.00316	10.950	.00013	-.00004
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Na5895	Ni2316	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899	Sr4077
Line	589.592 { 57}	231.604 {446}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}2	189.989 {477}	407.771 { 83}
IS Ref	(Y_3774)	(In2306)	(In2306)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3774)	(In2306)	(Y_3774)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**5.8078**	**.00003**	**.00141**	**5.934**	**-.00009**	**.00238**	**5.8259**	**-.00118**	**.06563**
Stddev	.0050	.00020	.00183	.043	.00140	.00587	.0045	.00088	.00003
%RSD	.08661	574.29	129.36	.7259	1579.6	246.02	.07738	74.396	.04680
#1	5.8043	-.00011	.00270	5.964	-.00108	.00653	5.8227	-.00180	.06560
#2	5.8114	.00017	.00012	5.903	.00090	-.00176	5.8291	-.00056	.06565
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Ti3349	Tl1908	V_2924	Zn2062
Line	334.904 {101}	190.856 {477}	292.402 {115}	206.200 {163}
IS Ref	(Y_3600)	(In2306)	(Y_3600)	(Y_3600)
Units	ppm	ppm	ppm	ppm
Avg	**.00043**	**-.00074**	**.00185**	**-.00022**
Stddev	.00039	.00071	.00039	.00092
%RSD	89.375	96.349	20.933	410.35
#1	.00071	-.00024	.00213	.00043
#2	.00016	-.00124	.00158	-.00088
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				
Low Limit				

Int. Std.	In2306	Y_2243	Y_3600	Y_3774
Line	230.606 {446}	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**1969.2**	**2807.2**	**25118.**	**4711.4**
Stddev	.9	3.4	47.	4.0
%RSD	.04470	.12259	.18810	.08586
#1	1968.6	2809.6	25084.	4714.3
#2	1969.8	2804.7	25151.	4708.6

Sample Name: 480-18204-E-3-A Acquired: 4/9/2012 16:04:06 Type: Unk
Method: ICAP1(v262) Mode: CONC Corr. Factor: 1.000000
User: MDM Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	B_2089	Ba4554-2	Be3130	Ca3179	Cd2288	Co2286
Line	328.068 {103}	308.215 {109}	189.042 {478}	208.959 {461}	455.403 { 74}2	313.042 {108}	317.933 {106}	228.802 {447}	228.616 {447}
IS Ref	(Y_3600)	(Y_3774)	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3774)	(Y_3774)	(Y_2243)	(In2306)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00119**	**.05236**	**.00651**	**.00713**	**.07751**	**-.00003**	**50.874**	**.00014**	**-.00008**
Stddev	.00040	.00966	.00066	.00032	.00029	.00011	.048	.00025	.00009
%RSD	33.571	18.454	10.151	4.5225	.37997	420.47	.09345	180.61	103.85
#1	-.00091	.05919	.00698	.00736	.07730	.00005	50.840	.00031	-.00002
#2	-.00147	.04553	.00604	.00690	.07771	-.00010	50.907	-.00004	-.00015
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Cr2677	Cu3247	Fe2599	K_7664	K_7664-2	Li6707	Mg2790	Mn2576	Mo2020
Line	267.716 {126}	324.754 {104}	259.940 {130}	766.490 { 44}	766.490 { 44}2	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}
IS Ref	(Y_3600)	(Y_3600)	(Y_3774)	(Y_3774)	(Y_3774)	(Y_3774)	(Y_3600)	(Y_3600)	(Y_2243)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00052**	**.00078**	**.54105**	**4.4897**	**4.1312**	**.00067**	**20.329**	**.10528**	**.00104**
Stddev	.00077	.00001	.00212	.0094	.0581	.00097	.011	.00009	.00005
%RSD	147.62	.85930	.39207	.21006	1.4058	143.40	.05260	.08861	4.4729
#1	-.00107	.00078	.53955	4.4964	4.1723	-.00001	20.321	.10522	.00107
#2	.00002	.00079	.54255	4.4831	4.0902	.00136	20.336	.10535	.00100
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Na5895	Ni2316	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899	Sr4077
Line	589.592 { 57}	231.604 {446}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}2	189.989 {477}	407.771 { 83}
IS Ref	(Y_3774)	(In2306)	(In2306)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3774)	(In2306)	(Y_3774)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**3.0930**	**.00056**	**.00079**	**4.303**	**-.00029**	**-.00523**	**6.4750**	**-.00139**	**.07956**
Stddev	.0028	.00011	.00235	.024	.00239	.00252	.0386	.00023	.00016
%RSD	.09034	19.493	299.68	.5486	817.45	48.101	.59641	16.414	.19978
#1	3.0950	.00064	-.00088	4.319	-.00198	-.00701	6.4477	-.00123	.07945
#2	3.0910	.00049	.00245	4.286	.00139	-.00345	6.5023	-.00156	.07967
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Ti3349	Tl1908	V_2924	Zn2062
Line	334.904 {101}	190.856 {477}	292.402 {115}	206.200 {163}
IS Ref	(Y_3600)	(In2306)	(Y_3600)	(Y_3600)
Units	ppm	ppm	ppm	ppm
Avg	**.00047**	**-.00183**	**.00118**	**.00054**
Stddev	.00042	.00111	.00007	.00015
%RSD	88.232	60.934	6.3729	27.990
#1	.00018	-.00104	.00123	.00064
#2	.00077	-.00261	.00112	.00043
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				
Low Limit				

Int. Std.	In2306	Y_2243	Y_3600	Y_3774
Line	230.606 {446}	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**1933.7**	**2774.7**	**24910.**	**4654.1**
Stddev	.9	8.1	51.	9.5
%RSD	.04657	.29331	.20384	.20450
#1	1933.1	2769.0	24946.	4647.4
#2	1934.3	2780.5	24874.	4660.8

Sample Name: 480-18204-E-3-A SD@5 Acquired: 4/9/2012 16:06:23 Type: Unk
Method: ICAP1(v262) Mode: CONC Corr. Factor: 1.000000
User: MDM Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	B_2089	Ba4554-2	Be3130	Ca3179	Cd2288	Co2286
Line	328.068 {103}	308.215 {109}	189.042 {478}	208.959 {461}	455.403 { 74}2	313.042 {108}	317.933 {106}	228.802 {447}	228.616 {447}
IS Ref	(Y_3600)	(Y_3774)	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3774)	(Y_3774)	(Y_2243)	(In2306)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00027**	**.01007**	**.00158**	**.00029**	**.01556**	**.00008**	**10.216**	**.00005**	**.00011**
Stddev	.00026	.00452	.00238	.00008	.00001	.00004	.028	.00006	.00032
%RSD	96.177	44.851	150.68	28.894	.09587	46.940	.27725	123.83	298.80
#1	-.00046	.00688	-.00010	.00035	.01555	.00006	10.196	.00001	.00033
#2	-.00009	.01326	.00327	.00023	.01557	.00011	10.236	.00009	-.00012
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Cr2677	Cu3247	Fe2599	K_7664	K_7664-2	Li6707	Mg2790	Mn2576	Mo2020
Line	267.716 {126}	324.754 {104}	259.940 {130}	766.490 { 44}	766.490 { 44}2	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}
IS Ref	(Y_3600)	(Y_3600)	(Y_3774)	(Y_3774)	(Y_3774)	(Y_3774)	(Y_3600)	(Y_3600)	(Y_2243)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00053**	**.00033**	**.11832**	**.90027**	**.69867**	**.00110**	**3.9703**	**.02083**	**.00033**
Stddev	.00059	.00008	.00186	.00191	.01084	.00061	.0187	.00011	.00017
%RSD	111.70	23.694	1.5715	.21176	1.5522	55.479	.47152	.52993	51.347
#1	-.00011	.00038	.11963	.90162	.69100	.00067	3.9835	.02075	.00045
#2	-.00094	.00027	.11700	.89893	.70634	.00153	3.9571	.02091	.00021
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Na5895	Ni2316	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899	Sr4077
Line	589.592 { 57}	231.604 {446}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}2	189.989 {477}	407.771 { 83}
IS Ref	(Y_3774)	(In2306)	(In2306)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3774)	(In2306)	(Y_3774)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.60991**	**-.00027**	**.00131**	**.8274**	**.00121**	**-.00128**	**1.3067**	**.00019**	**.01605**
Stddev	.00331	.00010	.00210	.0042	.00002	.00265	.0260	.00000	.00020
%RSD	.54224	37.494	160.16	.5016	1.5716	207.52	1.9905	2.4380	1.2260
#1	.60757	-.00020	-.00017	.8303	.00120	.00060	1.3251	.00019	.01619
#2	.61225	-.00034	.00279	.8245	.00123	-.00316	1.2883	.00019	.01591
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Ti3349	Tl1908	V_2924	Zn2062
Line	334.904 {101}	190.856 {477}	292.402 {115}	206.200 {163}
IS Ref	(Y_3600)	(In2306)	(Y_3600)	(Y_3600)
Units	ppm	ppm	ppm	ppm
Avg	**.00016**	**.00070**	**.00101**	**.00065**
Stddev	.00001	.00082	.00024	.00009
%RSD	7.6326	117.88	23.774	14.433
#1	.00017	.00128	.00118	.00058
#2	.00015	.00012	.00084	.00071
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				
Low Limit				

Int. Std.	In2306	Y_2243	Y_3600	Y_3774
Line	230.606 {446}	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**1993.1**	**2824.3**	**25270.**	**4642.3**
Stddev	2.5	5.4	86.	30.5
%RSD	.12389	.19281	.33840	.65708
#1	1994.8	2828.1	25210.	4663.9
#2	1991.3	2820.4	25331.	4620.8

Sample Name: 480-18204-E-3-A PDS Acquired: 4/9/2012 16:08:45 Type: Unk
Method: ICAP1(v262) Mode: CONC Corr. Factor: 1.000000
User: MDM Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	B_2089	Ba4554-2	Be3130	Ca3179	Cd2288	Co2286
Line	328.068 {103}	308.215 {109}	189.042 {478}	208.959 {461}	455.403 { 74}2	313.042 {108}	317.933 {106}	228.802 {447}	228.616 {447}
IS Ref	(Y_3600)	(Y_3774)	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3774)	(Y_3774)	(Y_2243)	(In2306)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.04978**	**10.275**	**.45077**	**.21620**	**.30200**	**.44160**	**70.403**	**.43740**	**.40860**
Stddev	.00157	.007	.00182	.00022	.00101	.00245	.557	.00313	.00141
%RSD	3.1489	.06506	.40332	.10395	.33296	.55579	.79122	.71462	.34626
#1	.05089	10.280	.45205	.21636	.30271	.44334	70.797	.43961	.40960
#2	.04867	10.270	.44948	.21604	.30129	.43987	70.009	.43519	.40759
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Cr2677	Cu3247	Fe2599	K_7664	K_7664-2	Li6707	Mg2790	Mn2576	Mo2020
Line	267.716 {126}	324.754 {104}	259.940 {130}	766.490 { 44}	766.490 { 44}2	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}
IS Ref	(Y_3600)	(Y_3600)	(Y_3774)	(Y_3774)	(Y_3774)	(Y_3774)	(Y_3600)	(Y_3600)	(Y_2243)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.42380**	**.42648**	**22.039**	**14.794**	**14.835**	**.21008**	**41.936**	**.53806**	**.44079**
Stddev	.00073	.00023	.041	.035	.108	.00121	.197	.00312	.00416
%RSD	.17164	.05419	.18546	.23510	.72534	.57730	.46956	.58059	.94456
#1	.42432	.42632	22.068	14.818	14.759	.21094	42.076	.54027	.44374
#2	.42329	.42665	22.010	14.769	14.911	.20922	41.797	.53585	.43785
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Na5895	Ni2316	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899	Sr4077
Line	589.592 { 57}	231.604 {446}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}2	189.989 {477}	407.771 { 83}
IS Ref	(Y_3774)	(In2306)	(In2306)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3774)	(In2306)	(Y_3774)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**13.426**	**.42906**	**.43355**	**4.203**	**.43353**	**.43760**	**6.3591**	**.20028**	**.28910**
Stddev	.043	.00300	.00251	.018	.00253	.00538	.0384	.00167	.00217
%RSD	.31952	.69846	.57808	.4311	.58382	1.2304	.60320	.83439	.74903
#1	13.457	.43118	.43532	4.215	.43532	.43379	6.3862	.20146	.29063
#2	13.396	.42694	.43178	4.190	.43174	.44140	6.3320	.19910	.28757
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Ti3349	Tl1908	V_2924	Zn2062
Line	334.904 {101}	190.856 {477}	292.402 {115}	206.200 {163}
IS Ref	(Y_3600)	(In2306)	(Y_3600)	(Y_3600)
Units	ppm	ppm	ppm	ppm
Avg	**.43542**	**.45041**	**.42803**	**.45030**
Stddev	.00080	.00111	.00097	.00158
%RSD	.18316	.24582	.22647	.35188
#1	.43599	.45119	.42735	.45142
#2	.43486	.44963	.42872	.44918
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				
Low Limit				

Int. Std.	In2306	Y_2243	Y_3600	Y_3774
Line	230.606 {446}	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**1864.5**	**2763.7**	**24461.**	**4640.1**
Stddev	6.3	4.5	28.	49.7
%RSD	.33969	.16231	.11363	1.0719
#1	1869.0	2766.9	24441.	4605.0
#2	1860.0	2760.5	24481.	4675.3

Sample Name: 480-18204-E-3-B MS Acquired: 4/9/2012 16:11:05 Type: Unk
Method: ICAP1(v262) Mode: CONC Corr. Factor: 1.000000
User: MDM Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	B_2089	Ba4554-2	Be3130	Ca3179	Cd2288	Co2286
Line	328.068 {103}	308.215 {109}	189.042 {478}	208.959 {461}	455.403 { 74}2	313.042 {108}	317.933 {106}	228.802 {447}	228.616 {447}
IS Ref	(Y_3600)	(Y_3774)	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3774)	(Y_3774)	(Y_2243)	(In2306)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.05014**	**9.8637**	**.20603**	**.20817**	**.28555**	**.20870**	**61.442**	**.20107**	**.19542**
Stddev	.00030	.1160	.00158	.00122	.00074	.00036	.232	.00034	.00197
%RSD	.59227	1.1757	.76521	.58415	.26063	.17108	.37818	.16742	1.0097
#1	.04993	9.9457	.20715	.20903	.28503	.20895	61.606	.20131	.19681
#2	.05035	9.7817	.20492	.20731	.28608	.20845	61.278	.20084	.19402
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Cr2677	Cu3247	Fe2599	K_7664	K_7664-2	Li6707	Mg2790	Mn2576	Mo2020
Line	267.716 {126}	324.754 {104}	259.940 {130}	766.490 { 44}	766.490 { 44}2	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}
IS Ref	(Y_3600)	(Y_3600)	(Y_3774)	(Y_3774)	(Y_3774)	(Y_3774)	(Y_3600)	(Y_3600)	(Y_2243)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.19481**	**.19785**	**10.439**	**14.337**	**14.293**	**.19711**	**30.789**	**.31204**	**.20492**
Stddev	.00042	.00077	.005	.002	.095	.00108	.070	.00016	.00030
%RSD	.21614	.38719	.05271	.01395	.66200	.55003	.22597	.05190	.14479
#1	.19452	.19731	10.443	14.336	14.359	.19788	30.739	.31216	.20513
#2	.19511	.19839	10.435	14.338	14.226	.19634	30.838	.31193	.20471
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Na5895	Ni2316	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899	Sr4077
Line	589.592 { 57}	231.604 {446}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}2	189.989 {477}	407.771 { 83}
IS Ref	(Y_3774)	(In2306)	(In2306)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3774)	(In2306)	(Y_3774)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**12.852**	**.19590**	**.20197**	**4.388**	**.20226**	**.19130**	**16.423**	**.19830**	**.27850**
Stddev	.037	.00217	.00101	.016	.00182	.00680	.009	.00110	.00026
%RSD	.28818	1.1075	.49900	.3532	.90171	3.5561	.05196	.55390	.09480
#1	12.878	.19743	.20268	4.399	.20097	.18649	16.429	.19907	.27831
#2	12.826	.19436	.20125	4.377	.20355	.19611	16.417	.19752	.27868
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Ti3349	Tl1908	V_2924	Zn2062
Line	334.904 {101}	190.856 {477}	292.402 {115}	206.200 {163}
IS Ref	(Y_3600)	(In2306)	(Y_3600)	(Y_3600)
Units	ppm	ppm	ppm	ppm
Avg	**.20145**	**.20326**	**.19666**	**.20636**
Stddev	.00053	.00239	.00022	.00052
%RSD	.26481	1.1737	.11050	.25059
#1	.20182	.20157	.19651	.20673
#2	.20107	.20495	.19682	.20599
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				
Low Limit				

Int. Std.	In2306	Y_2243	Y_3600	Y_3774
Line	230.606 {446}	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**1880.1**	**2762.4**	**24521.**	**4640.8**
Stddev	1.2	2.9	34.	27.9
%RSD	.06248	.10642	.13783	.60095
#1	1879.3	2764.5	24544.	4621.1
#2	1880.9	2760.3	24497.	4660.6

Sample Name: 480-18204-E-3-C MSD Acquired: 4/9/2012 16:13:26 Type: Unk
Method: ICAP1(v262) Mode: CONC Corr. Factor: 1.000000
User: MDM Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	B_2089	Ba4554-2	Be3130	Ca3179	Cd2288	Co2286
Line	328.068 {103}	308.215 {109}	189.042 {478}	208.959 {461}	455.403 { 74}2	313.042 {108}	317.933 {106}	228.802 {447}	228.616 {447}
IS Ref	(Y_3600)	(Y_3774)	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3774)	(Y_3774)	(Y_2243)	(In2306)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.05088	9.7942	.20235	.20500	.28251	.20638	59.502	.19849	.19392
Stddev	.00199	.0071	.00590	.00197	.00043	.00262	.582	.00218	.00176
%RSD	3.9021	.07256	2.9156	.96276	.15367	1.2686	.97793	1.0985	.90581
#1	.04948	9.7993	.20652	.20639	.28221	.20823	59.914	.20004	.19517
#2	.05228	9.7892	.19818	.20360	.28282	.20453	59.091	.19695	.19268
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Cr2677	Cu3247	Fe2599	K_7664	K_7664-2	Li6707	Mg2790	Mn2576	Mo2020
Line	267.716 {126}	324.754 {104}	259.940 {130}	766.490 { 44}	766.490 { 44}2	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}
IS Ref	(Y_3600)	(Y_3600)	(Y_3774)	(Y_3774)	(Y_3774)	(Y_3774)	(Y_3600)	(Y_3600)	(Y_2243)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.19334	.19533	10.294	14.180	13.628	.19495	30.079	.30691	.20272
Stddev	.00031	.00046	.012	.041	.104	.00171	.009	.00036	.00152
%RSD	.16171	.23750	.11968	.28937	.76112	.87722	.02898	.11646	.75028
#1	.19312	.19500	10.303	14.209	13.701	.19616	30.072	.30716	.20380
#2	.19357	.19565	10.286	14.151	13.555	.19374	30.085	.30666	.20165
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Na5895	Ni2316	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899	Sr4077
Line	589.592 { 57}	231.604 {446}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}2	189.989 {477}	407.771 { 83}
IS Ref	(Y_3774)	(In2306)	(In2306)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3774)	(In2306)	(Y_3774)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	12.673	.19393	.19893	4.248	.20068	.19318	16.255	.19624	.27488
Stddev	.109	.00041	.00149	.042	.00257	.00909	.222	.00200	.00100
%RSD	.86343	.21143	.75053	.9818	1.2798	4.7079	1.3686	1.0184	.36539
#1	12.751	.19422	.19999	4.277	.20250	.19961	16.412	.19765	.27559
#2	12.596	.19364	.19788	4.218	.19887	.18675	16.098	.19482	.27417
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Ti3349	Tl1908	V_2924	Zn2062
Line	334.904 {101}	190.856 {477}	292.402 {115}	206.200 {163}
IS Ref	(Y_3600)	(In2306)	(Y_3600)	(Y_3600)
Units	ppm	ppm	ppm	ppm
Avg	.19818	.20142	.19459	.20508
Stddev	.00020	.00563	.00070	.00208
%RSD	.10226	2.7931	.36173	1.0125
#1	.19804	.20539	.19409	.20361
#2	.19833	.19744	.19509	.20655
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				
Low Limit				

Int. Std.	In2306	Y_2243	Y_3600	Y_3774
Line	230.606 {446}	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	1881.9	2769.4	24664.	4669.1
Stddev	2.9	2.8	7.	50.7
%RSD	.15523	.10015	.02926	1.0852
#1	1884.0	2767.4	24659.	4633.3
#2	1879.9	2771.3	24669.	4704.9

Sample Name: 480-18204-E-4-A Acquired: 4/9/2012 16:15:46 Type: Unk
Method: ICAP1(v262) Mode: CONC Corr. Factor: 1.000000
User: MDM Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	B_2089	Ba4554-2	Be3130	Ca3179	Cd2288	Co2286
Line	328.068 {103}	308.215 {109}	189.042 {478}	208.959 {461}	455.403 { 74}2	313.042 {108}	317.933 {106}	228.802 {447}	228.616 {447}
IS Ref	(Y_3600)	(Y_3774)	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3774)	(Y_3774)	(Y_2243)	(In2306)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00112**	**.02879**	**.00018**	**.03719**	**.37784**	**.00007**	**94.813**	**.00024**	**.00093**
Stddev	.00008	.00818	.00088	.00058	.00003	.00006	.005	.00009	.00013
%RSD	6.6926	28.419	491.19	1.5534	.00812	83.762	.00477	40.111	13.477
#1	-.00117	.03458	-.00045	.03678	.37786	.00003	94.816	.00017	.00084
#2	-.00107	.02300	.00081	.03760	.37781	.00012	94.810	.00030	.00102
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Cr2677	Cu3247	Fe2599	K_7664	K_7664-2	Li6707	Mg2790	Mn2576	Mo2020
Line	267.716 {126}	324.754 {104}	259.940 {130}	766.490 { 44}	766.490 { 44}2	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}
IS Ref	(Y_3600)	(Y_3600)	(Y_3774)	(Y_3774)	(Y_3774)	(Y_3774)	(Y_3600)	(Y_3600)	(Y_2243)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00018**	**.00347**	**.03403**	**4.0942**	**4.3144**	**.00787**	**52.656**	**2.2346**	**.00105**
Stddev	.00045	.00036	.01224	.0281	.0069	.00039	.003	.0021	.00014
%RSD	254.24	10.401	35.979	.68674	.15981	4.9649	.00596	.09414	13.510
#1	.00014	.00321	.04269	4.0743	4.3096	.00815	52.658	2.2331	.00116
#2	-.00049	.00372	.02537	4.1141	4.3193	.00759	52.653	2.2361	.00095
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Na5895	Ni2316	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899	Sr4077
Line	589.592 { 57}	231.604 {446}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}2	189.989 {477}	407.771 { 83}
IS Ref	(Y_3774)	(In2306)	(In2306)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3774)	(In2306)	(Y_3774)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**14.280**	**.00439**	**.00163**	**7.759**	**-.00202**	**-.00639**	**7.8337**	**-.00068**	**.12710**
Stddev	.018	.00022	.00015	.060	.00239	.00112	.0508	.00133	.00031
%RSD	.12616	5.0862	8.9685	.7718	118.17	17.457	.64810	196.01	.24531
#1	14.293	.00423	.00153	7.801	-.00371	-.00560	7.7978	-.00162	.12732
#2	14.268	.00454	.00173	7.716	-.00033	-.00718	7.8696	.00026	.12688
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Ti3349	Tl1908	V_2924	Zn2062
Line	334.904 {101}	190.856 {477}	292.402 {115}	206.200 {163}
IS Ref	(Y_3600)	(In2306)	(Y_3600)	(Y_3600)
Units	ppm	ppm	ppm	ppm
Avg	**.00120**	**.00167**	**.00352**	**.00044**
Stddev	.00018	.00289	.00071	.00094
%RSD	15.137	172.89	20.159	213.39
#1	.00107	.00371	.00302	.00111
#2	.00133	-.00037	.00402	-.00022
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				
Low Limit				

Int. Std.	In2306	Y_2243	Y_3600	Y_3774
Line	230.606 {446}	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**1857.2**	**2724.1**	**24216.**	**4590.4**
Stddev	5.5	4.8	74.	2.3
%RSD	.29409	.17532	.30366	.05018
#1	1853.3	2720.7	24268.	4588.8
#2	1861.1	2727.5	24164.	4592.0

Sample Name: 480-18204-E-5-A Acquired: 4/9/2012 16:18:05 Type: Unk
Method: ICAP1(v262) Mode: CONC Corr. Factor: 1.000000
User: MDM Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	B_2089	Ba4554-2	Be3130	Ca3179	Cd2288	Co2286
Line	328.068 {103}	308.215 {109}	189.042 {478}	208.959 {461}	455.403 { 74}2	313.042 {108}	317.933 {106}	228.802 {447}	228.616 {447}
IS Ref	(Y_3600)	(Y_3774)	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3774)	(Y_3774)	(Y_2243)	(In2306)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00097**	**.04858**	**.00389**	**.00658**	**.10168**	**.00017**	**55.405**	**.00005**	**-.00005**
Stddev	.00175	.06137	.00387	.00072	.00023	.00003	.159	.00004	.00004
%RSD	180.33	126.32	99.558	10.885	.22573	16.259	.28752	83.793	80.052
#1	.00027	.00519	.00663	.00607	.10152	.00019	55.292	.00008	-.00008
#2	-.00221	.09197	.00115	.00709	.10184	.00015	55.518	.00002	-.00002
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Cr2677	Cu3247	Fe2599	K_7664	K_7664-2	Li6707	Mg2790	Mn2576	Mo2020
Line	267.716 {126}	324.754 {104}	259.940 {130}	766.490 { 44}	766.490 { 44}2	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}
IS Ref	(Y_3600)	(Y_3600)	(Y_3774)	(Y_3774)	(Y_3774)	(Y_3774)	(Y_3600)	(Y_3600)	(Y_2243)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00018**	**.00095**	**.14651**	**6.4541**	**5.9979**	**.00148**	**16.884**	**.20104**	**.00218**
Stddev	.00050	.00017	.00157	.0407	.0051	.00032	.006	.00058	.00018
%RSD	284.42	18.345	1.0699	.63100	.08549	21.979	.03513	.28874	8.1391
#1	.00018	.00107	.14761	6.4253	5.9943	.00125	16.888	.20063	.00230
#2	-.00053	.00082	.14540	6.4829	6.0015	.00171	16.879	.20145	.00205
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Na5895	Ni2316	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899	Sr4077
Line	589.592 { 57}	231.604 {446}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}2	189.989 {477}	407.771 { 83}
IS Ref	(Y_3774)	(In2306)	(In2306)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3774)	(In2306)	(Y_3774)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**3.0908**	**.00038**	**-.00050**	**5.415**	**-.00049**	**.00195**	**5.3787**	**-.00151**	**.08040**
Stddev	.0084	.00047	.00049	.021	.00160	.00122	.0540	.00077	.00046
%RSD	.27113	123.73	96.328	.3926	324.38	62.499	1.0041	50.712	.57355
#1	3.0967	.00071	-.00016	5.430	-.00163	.00109	5.3405	-.00097	.08007
#2	3.0848	.00005	-.00085	5.400	.00064	.00281	5.4169	-.00206	.08072
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Ti3349	Tl1908	V_2924	Zn2062
Line	334.904 {101}	190.856 {477}	292.402 {115}	206.200 {163}
IS Ref	(Y_3600)	(In2306)	(Y_3600)	(Y_3600)
Units	ppm	ppm	ppm	ppm
Avg	**.00084**	**.00178**	**.00088**	**-.00008**
Stddev	.00021	.00169	.00042	.00067
%RSD	24.486	95.117	47.393	828.11
#1	.00070	.00298	.00059	-.00056
#2	.00099	.00058	.00118	.00040
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				
Low Limit				

Int. Std.	In2306	Y_2243	Y_3600	Y_3774
Line	230.606 {446}	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**1936.9**	**2767.3**	**24861.**	**4667.6**
Stddev	.1	.5	61.	15.0
%RSD	.00485	.01966	.24565	.32063
#1	1936.9	2766.9	24817.	4678.1
#2	1937.0	2767.7	24904.	4657.0

Sample Name: 480-18204-E-6-A Acquired: 4/9/2012 16:20:23 Type: Unk
Method: ICAP1(v262) Mode: CONC Corr. Factor: 1.000000
User: MDM Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	B_2089	Ba4554-2	Be3130	Ca3179	Cd2288	Co2286
Line	328.068 {103}	308.215 {109}	189.042 {478}	208.959 {461}	455.403 { 74}2	313.042 {108}	317.933 {106}	228.802 {447}	228.616 {447}
IS Ref	(Y_3600)	(Y_3774)	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3774)	(Y_3774)	(Y_2243)	(In2306)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00075**	**.03814**	**.00096**	**.00796**	**.01851**	**.00015**	**20.621**	**-.00005**	**.00007**
Stddev	.00034	.02344	.00023	.00023	.00001	.00010	.269	.00013	.00008
%RSD	44.695	61.466	24.333	2.8458	.04479	69.172	1.3020	254.96	114.51
#1	-.00099	.02156	.00112	.00780	.01852	.00008	20.431	-.00014	.00001
#2	-.00051	.05472	.00079	.00812	.01851	.00022	20.811	.00004	.00012
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Cr2677	Cu3247	Fe2599	K_7664	K_7664-2	Li6707	Mg2790	Mn2576	Mo2020
Line	267.716 {126}	324.754 {104}	259.940 {130}	766.490 { 44}	766.490 { 44}2	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}
IS Ref	(Y_3600)	(Y_3600)	(Y_3774)	(Y_3774)	(Y_3774)	(Y_3774)	(Y_3600)	(Y_3600)	(Y_2243)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00042**	**.00123**	**.02723**	**2.6391**	**2.3267**	**.00054**	**4.6569**	**.05876**	**.00428**
Stddev	.00132	.00052	.00402	.0483	.0309	.00198	.0255	.00026	.00011
%RSD	311.75	42.500	14.763	1.8287	1.3279	368.78	.54671	.44406	2.5208
#1	.00051	.00160	.02439	2.6050	2.3049	.00194	4.6749	.05895	.00435
#2	-.00135	.00086	.03007	2.6732	2.3486	-.00086	4.6389	.05858	.00420
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Na5895	Ni2316	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899	Sr4077
Line	589.592 { 57}	231.604 {446}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}2	189.989 {477}	407.771 { 83}
IS Ref	(Y_3774)	(In2306)	(In2306)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3774)	(In2306)	(Y_3774)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**5.7042**	**.00044**	**-.00014**	**5.948**	**.00069**	**-.00414**	**4.7534**	**-.00075**	**.06120**
Stddev	.0580	.00021	.00118	.032	.00073	.00145	.0749	.00021	.00032
%RSD	1.0173	48.528	871.09	.5445	104.93	34.991	1.5762	28.264	.52593
#1	5.6632	.00029	-.00097	5.971	.00121	-.00311	4.7005	-.00090	.06097
#2	5.7452	.00059	.00070	5.925	.00018	-.00516	4.8064	-.00060	.06143
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Ti3349	Tl1908	V_2924	Zn2062
Line	334.904 {101}	190.856 {477}	292.402 {115}	206.200 {163}
IS Ref	(Y_3600)	(In2306)	(Y_3600)	(Y_3600)
Units	ppm	ppm	ppm	ppm
Avg	**.00060**	**-.00124**	**.00071**	**-.00027**
Stddev	.00003	.00282	.00018	.00013
%RSD	5.4288	227.41	25.431	49.256
#1	.00062	-.00323	.00083	-.00017
#2	.00058	.00075	.00058	-.00036
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				
Low Limit				

Int. Std.	In2306	Y_2243	Y_3600	Y_3774
Line	230.606 {446}	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**1996.8**	**2814.6**	**25162.**	**4671.8**
Stddev	4.4	4.7	13.	58.5
%RSD	.21874	.16564	.05084	1.2528
#1	1993.7	2811.3	25153.	4713.2
#2	1999.9	2817.9	25171.	4630.4

Sample Name: 480-18204-E-7-A Acquired: 4/9/2012 16:22:43 Type: Unk
Method: ICAP1(v262) Mode: CONC Corr. Factor: 1.000000
User: MDM Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	B_2089	Ba4554-2	Be3130	Ca3179	Cd2288	Co2286
Line	328.068 {103}	308.215 {109}	189.042 {478}	208.959 {461}	455.403 { 74}2	313.042 {108}	317.933 {106}	228.802 {447}	228.616 {447}
IS Ref	(Y_3600)	(Y_3774)	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3774)	(Y_3774)	(Y_2243)	(In2306)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00045**	**.01792**	**.00139**	**.05519**	**.06624**	**.00015**	**83.038**	**.00007**	**.00028**
Stddev	.00048	.01619	.00011	.00018	.00002	.00010	.165	.00005	.00016
%RSD	106.02	90.377	7.6785	.31749	.03317	67.429	.19901	66.972	58.198
#1	-.00079	.00647	.00147	.05507	.06625	.00023	83.155	.00011	.00017
#2	-.00011	.02937	.00132	.05531	.06622	.00008	82.921	.00004	.00040
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Cr2677	Cu3247	Fe2599	K_7664	K_7664-2	Li6707	Mg2790	Mn2576	Mo2020
Line	267.716 {126}	324.754 {104}	259.940 {130}	766.490 { 44}	766.490 { 44}2	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}
IS Ref	(Y_3600)	(Y_3600)	(Y_3774)	(Y_3774)	(Y_3774)	(Y_3774)	(Y_3600)	(Y_3600)	(Y_2243)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00035**	**.00147**	**.11038**	**5.8922**	**6.5884**	**.00360**	**24.348**	**.12482**	**.00044**
Stddev	.00037	.00065	.00152	.0282	.0182	.00062	.000	.00020	.00060
%RSD	105.75	44.641	1.3749	.47865	.27679	17.123	.00017	.15773	134.02
#1	.00009	.00193	.11145	5.9122	6.6013	.00316	24.348	.12468	.00002
#2	.00060	.00100	.10931	5.8723	6.5756	.00404	24.348	.12496	.00087
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Na8183	Ni2316	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899	Sr4077
Line	818.326 { 41}	231.604 {446}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}2	189.989 {477}	407.771 { 83}
IS Ref	(Y_3774)	(In2306)	(In2306)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3774)	(In2306)	(Y_3774)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**55.299**	**.00167**	**-.00218**	**9.208**	**-.00122**	**-.00316**	**4.9742**	**-.00100**	**.10539**
Stddev	.185	.00011	.00187	.042	.00424	.00031	.0017	.00008	.00015
%RSD	.33442	6.7708	85.821	.4556	347.94	9.8184	.03331	8.5167	.14678
#1	55.430	.00159	-.00351	9.237	-.00422	-.00338	4.9753	-.00105	.10528
#2	55.168	.00175	-.00086	9.178	.00178	-.00294	4.9730	-.00094	.10550
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Ti3349	Tl1908	V_2924	Zn2062
Line	334.904 {101}	190.856 {477}	292.402 {115}	206.200 {163}
IS Ref	(Y_3600)	(In2306)	(Y_3600)	(Y_3600)
Units	ppm	ppm	ppm	ppm
Avg	**.00124**	**.00068**	**.00151**	**.00079**
Stddev	.00018	.00194	.00059	.00085
%RSD	14.777	283.83	39.124	107.80
#1	.00111	-.00069	.00193	.00139
#2	.00137	.00206	.00109	.00019
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				
Low Limit				

Int. Std.	In2306	Y_2243	Y_3600	Y_3774
Line	230.606 {446}	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**1850.6**	**2731.5**	**24212.**	**4622.2**
Stddev	6.1	.4	16.	10.7
%RSD	.33101	.01317	.06793	.23224
#1	1854.9	2731.2	24201.	4614.6
#2	1846.2	2731.7	24224.	4629.7

Sample Name: CCV Acquired: 4/9/2012 16:25:03 Type: QC
Method: ICAP1(v262) Mode: CONC Corr. Factor: 1.000000
User: MDM Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	B_2089	Ba4554	Be3130	Ca3179	Cd2288	Co2286	Cr2677	Cu3247	Fe2599	K_7664
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.49886**	**23.954**	**.48959**	**.48183**	**.50150**	**.49188**	**24.006**	**.49859**	**.48201**	**.48629**	**.48446**	**25.031**	**23.917**
Stddev	.00009	.304	.00166	.00206	.00147	.00031	.153	.00243	.00325	.00153	.00183	.053	.128
%RSD	.01837	1.2692	.33992	.42663	.29346	.06312	.63702	.48771	.67500	.31533	.37808	.21326	.53423
#1	.49879	24.169	.49076	.48329	.50255	.49210	24.114	.50031	.48431	.48737	.48575	25.068	24.008
#2	.49892	23.739	.48841	.48038	.50046	.49166	23.898	.49687	.47971	.48520	.48316	24.993	23.827
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value													
Range													

Elem	K_7664-2	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**23.509**	**.47362**	**25.054**	**.51385**	**.50156**	**23.713**	**.49210**	**.49327**	**25.08**	**.50261**	**.49553**	**23.412**	**.50909**
Stddev	.502	.00217	.029	.00146	.00251	.150	.00132	.00359	.05	.00553	.00258	.175	.00312
%RSD	2.1349	.45831	.11710	.28327	.50064	.63438	.26898	.72756	.1901	1.0997	.52033	.74863	.61334
#1	23.864	.47515	25.075	.51488	.50334	23.819	.49304	.49581	25.12	.49870	.49736	23.536	.51129
#2	23.154	.47208	25.033	.51282	.49979	23.606	.49117	.49073	25.05	.50652	.49371	23.288	.50688
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value													
Range													

Elem	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm
Avg	**.48059**	**.50262**	**.50016**	**.48459**	**.49142**
Stddev	.00260	.00024	.00455	.00149	.00136
%RSD	.54157	.04685	.91030	.30745	.27615
#1	.48243	.50278	.50338	.48564	.49238
#2	.47875	.50245	.49694	.48353	.49046
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value					
Range					

Int. Std.	In2306	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**1893.1**	**2798.6**	**24688.**	**4628.1**
Stddev	2.1	1.4	76.	4.6
%RSD	.11127	.04955	.30949	.09893
#1	1891.7	2799.6	24634.	4624.8
#2	1894.6	2797.7	24742.	4631.3

Sample Name: CCB Acquired: 4/9/2012 16:27:19 Type: QC
Method: ICAP1(v262) Mode: CONC Corr. Factor: 1.000000
User: MDM Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	B_2089	Ba4554-2	Be3130	Ca3179	Cd2288	Co2286	Cr2677	Cu3247	Fe2599	K_7664
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00096**	**.03247**	**-.00095**	**-.00072**	**.00001**	**.00011**	**-.00113**	**-.00015**	**-.00015**	**-.00074**	**.00027**	**.01620**	**-.02208**
Stddev	.00021	.00523	.00061	.00011	.00001	.00022	.00928	.00010	.00007	.00012	.00023	.00157	.00809
%RSD	21.884	16.107	63.771	15.585	147.14	199.89	820.51	63.373	45.761	16.643	82.997	9.7167	36.657
#1	-.00081	.02877	-.00138	-.00064	.00002	-.00004	.00543	-.00022	-.00020	-.00065	.00043	.01732	-.02780
#2	-.00111	.03617	-.00052	-.00080	.00000	.00026	-.00769	-.00008	-.00010	-.00083	.00011	.01509	-.01636
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit													
Low Limit													

Elem	K_7664-2	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00405**	**.00041**	**-.00102**	**.00011**	**.00010**	**-.00032**	**-.00083**	**.00138**	**-.0005**	**-.00177**	**-.00453**	**-.01113**	**-.00002**
Stddev	.00032	.00007	.00390	.00002	.00015	.00256	.00118	.00012	.0018	.00020	.00463	.01655	.00022
%RSD	7.9935	16.372	383.13	14.703	152.96	798.27	141.55	8.4092	366.7	11.171	102.20	148.70	1142.1
#1	.00428	.00046	-.00378	.00010	.00020	-.00213	.00000	.00146	.0008	-.00163	-.00126	-.02283	.00014
#2	.00382	.00036	.00174	.00012	-.00001	.00149	-.00166	.00129	-.0018	-.00191	-.00781	.00057	-.00017
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit													
Low Limit													

Elem	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm
Avg	**.00008**	**.00000**	**-.00080**	**.00104**	**.00016**
Stddev	.00009	.0013	.00191	.00004	.00007
%RSD	111.41	76592.	238.38	3.8149	41.612
#1	.00002	.00090	-.00215	.00107	.00011
#2	.00014	-.00090	.00055	.00101	.00021
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Int. Std.	In2306	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**2023.2**	**2833.6**	**25265.**	**4638.5**
Stddev	5.3	6.3	11.	12.5
%RSD	.26320	.22367	.04285	.26844
#1	2019.5	2829.1	25257.	4647.3
#2	2027.0	2838.1	25272.	4629.7

Sample Name: 480-18216-G-1-A Acquired: 4/9/2012 16:29:44 Type: Unk
Method: ICAP1(v262) Mode: CONC Corr. Factor: 1.000000
User: MDM Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	B_2089	Ba4554-2	Be3130	Ca3179	Cd2288	Co2286
Line	328.068 {103}	308.215 {109}	189.042 {478}	208.959 {461}	455.403 { 74}2	313.042 {108}	317.933 {106}	228.802 {447}	228.616 {447}
IS Ref	(Y_3600)	(Y_3774)	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3774)	(Y_3774)	(Y_2243)	(In2306)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00210**	**.06304**	**.00230**	**.15954**	**.07314**	**.00009**	**87.972**	**.00022**	**-.00010**
Stddev	.00096	.00040	.00086	.00009	.00007	.00001	.022	.00009	.00004
%RSD	45.829	.63401	37.212	.05885	.09650	5.9826	.02523	43.452	44.985
#1	-.00142	.06332	.00170	.15947	.07319	.00010	87.988	.00015	-.00007
#2	-.00278	.06276	.00291	.15961	.07309	.00009	87.957	.00028	-.00013
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Cr2677	Cu3247	Fe2599	K_7664	K_7664-2	Li6707	Mg2790	Mn2576	Mo2020
Line	267.716 {126}	324.754 {104}	259.940 {130}	766.490 { 44}	766.490 { 44}2	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}
IS Ref	(Y_3600)	(Y_3600)	(Y_3774)	(Y_3774)	(Y_3774)	(Y_3774)	(Y_3600)	(Y_3600)	(Y_2243)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00052**	**.00128**	**1.2746**	**2.4415**	**2.5902**	**.01950**	**50.731**	**.08458**	**.00291**
Stddev	.00117	.00078	.0012	.0340	.0447	.00014	.081	.00037	.00010
%RSD	223.61	60.477	.09365	1.3931	1.7239	.73302	.15869	.43772	3.4430
#1	-.00030	.00073	1.2755	2.4175	2.5587	.01960	50.788	.08484	.00298
#2	.00135	.00183	1.2738	2.4656	2.6218	.01940	50.674	.08431	.00284
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Na5895	Ni2316	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899	Sr4077
Line	589.592 { 57}	231.604 {446}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}2	189.989 {477}	407.771 { 83}
IS Ref	(Y_3774)	(In2306)	(In2306)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3774)	(In2306)	(Y_3774)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**11.627**	**.00083**	**.00312**	F **31.71**	**-.00016**	**-.00202**	**9.2492**	**-.00044**	**.46751**
Stddev	.039	.00098	.00082	.17	.00250	.00620	.0491	.00052	.00232
%RSD	.33483	117.82	26.170	.5352	1543.2	306.81	.53079	116.94	.49727
#1	11.655	.00014	.00370	31.83	-.00193	-.00641	9.2840	-.00008	.46916
#2	11.600	.00153	.00255	31.59	.00160	.00236	9.2145	-.00081	.46587
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				25.00					
Low Limit				-.0100					

Elem	Ti3349	Tl1908	V_2924	Zn2062
Line	334.904 {101}	190.856 {477}	292.402 {115}	206.200 {163}
IS Ref	(Y_3600)	(In2306)	(Y_3600)	(Y_3600)
Units	ppm	ppm	ppm	ppm
Avg	**.00074**	**.00093**	**.00135**	**.00007**
Stddev	.00018	.00214	.00031	.00004
%RSD	24.486	229.93	22.617	55.334
#1	.00061	-.00058	.00114	.00004
#2	.00086	.00244	.00157	.00009
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				
Low Limit				

Int. Std.	In2306	Y_2243	Y_3600	Y_3774
Line	230.606 {446}	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**1870.4**	**2729.0**	**24359.**	**4633.0**
Stddev	1.3	.8	22.	18.0
%RSD	.06919	.02861	.09101	.38784
#1	1869.5	2729.5	24343.	4645.7
#2	1871.3	2728.4	24374.	4620.3

Sample Name: 480-18216-G-2-A Acquired: 4/9/2012 16:32:02 Type: Unk
Method: ICAP1(v262) Mode: CONC Corr. Factor: 1.000000
User: MDM Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	B_2089	Ba4554-2	Be3130	Ca3179	Cd2288	Co2286
Line	328.068 {103}	308.215 {109}	189.042 {478}	208.959 {461}	455.403 { 74}2	313.042 {108}	317.933 {106}	228.802 {447}	228.616 {447}
IS Ref	(Y_3600)	(Y_3774)	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3774)	(Y_3774)	(Y_2243)	(In2306)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00097**	**.02815**	**.00939**	**.13100**	**.03225**	**.00001**	**233.08**	**.00059**	**-.00027**
Stddev	.00083	.00253	.00295	.00023	.00004	.00010	1.01	.00026	.00004
%RSD	84.907	8.9953	31.439	.17227	.11882	1417.2	.43189	43.122	14.365
#1	-.00156	.02994	.01148	.13116	.03222	-.00007	232.37	.00041	-.00024
#2	-.00039	.02636	.00730	.13084	.03228	.00008	233.79	.00078	-.00030
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Cr2677	Cu3247	Fe2599	K_7664	K_7664-2	Li6707	Mg2790	Mn2576	Mo2020
Line	267.716 {126}	324.754 {104}	259.940 {130}	766.490 { 44}	766.490 { 44}2	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}
IS Ref	(Y_3600)	(Y_3600)	(Y_3774)	(Y_3774)	(Y_3774)	(Y_3774)	(Y_3600)	(Y_3600)	(Y_2243)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00072**	**.00072**	**3.6868**	**3.4573**	**4.2752**	**.05742**	**155.76**	**.06680**	**.00648**
Stddev	.00001	.00003	.0373	.0288	.0300	.00109	.41	.00029	.00020
%RSD	.88978	4.2153	1.0116	.83303	.70101	1.9029	.26330	.43667	3.0682
#1	.00072	.00070	3.6604	3.4369	4.2963	.05665	155.47	.06660	.00662
#2	.00071	.00075	3.7132	3.4776	4.2540	.05819	156.05	.06701	.00634
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Na5895	Ni2316	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899	Sr4077
Line	589.592 { 57}	231.604 {446}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}2	189.989 {477}	407.771 { 83}
IS Ref	(Y_3774)	(In2306)	(In2306)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3774)	(In2306)	(Y_3774)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**28.656**	**.00184**	**.00245**	F **266.9**	**-.00174**	**.00180**	**10.087**	**-.00110**	**.79055**
Stddev	.160	.00057	.00165	2.2	.00319	.00028	.042	.00021	.00474
%RSD	.55749	31.024	67.627	.8125	183.84	15.785	.41742	19.472	.59922
#1	28.543	.00143	.00128	268.5	.00052	.00200	10.057	-.00125	.78720
#2	28.769	.00224	.00362	265.4	-.00399	.00160	10.116	-.00095	.79390
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				25.00					
Low Limit				-.0100					

Elem	Ti3349	Tl1908	V_2924	Zn2062
Line	334.904 {101}	190.856 {477}	292.402 {115}	206.200 {163}
IS Ref	(Y_3600)	(In2306)	(Y_3600)	(Y_3600)
Units	ppm	ppm	ppm	ppm
Avg	**.00088**	**-.00058**	**.00205**	**-.00030**
Stddev	.00032	.00308	.00043	.00097
%RSD	36.455	530.73	20.914	319.41
#1	.00110	.00160	.00236	.00038
#2	.00065	-.00276	.00175	-.00099
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				
Low Limit				

Int. Std.	In2306	Y_2243	Y_3600	Y_3774
Line	230.606 {446}	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**1742.1**	**2622.1**	**23333.**	**4544.3**
Stddev	2.5	3.4	88.	17.2
%RSD	.14391	.13062	.37910	.37853
#1	1740.3	2619.7	23395.	4532.2
#2	1743.8	2624.5	23270.	4556.5

Sample Name: 480-18216-G-3-A Acquired: 4/9/2012 16:34:20 Type: Unk
Method: ICAP1(v262) Mode: CONC Corr. Factor: 1.000000
User: MDM Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	B_2089	Ba4554-2	Be3130	Ca3179	Cd2288	Co2286
Line	328.068 {103}	308.215 {109}	189.042 {478}	208.959 {461}	455.403 { 74}2	313.042 {108}	317.933 {106}	228.802 {447}	228.616 {447}
IS Ref	(Y_3600)	(Y_3774)	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3774)	(Y_3774)	(Y_2243)	(In2306)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00091**	**.04598**	**.00737**	**.11578**	**.01567**	**-.00010**	**308.44**	**.00074**	**.00127**
Stddev	.00049	.01061	.00234	.00057	.00008	.00000	.65	.00003	.00023
%RSD	53.363	23.075	31.723	.49386	.48875	2.8055	.21166	3.6536	17.786
#1	-.00057	.05348	.00572	.11619	.01561	-.00011	307.98	.00072	.00111
#2	-.00125	.03847	.00903	.11538	.01572	-.00010	308.90	.00075	.00143
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Cr2677	Cu3247	Fe2599	K_7664	K_7664-2	Li6707	Mg2790	Mn2576	Mo2020
Line	267.716 {126}	324.754 {104}	259.940 {130}	766.490 { 44}	766.490 { 44}2	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}
IS Ref	(Y_3600)	(Y_3600)	(Y_3774)	(Y_3774)	(Y_3774)	(Y_3774)	(Y_3600)	(Y_3600)	(Y_2243)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00079**	**.00094**	**2.1534**	**4.6707**	**6.5331**	**.11176**	F **446.15**	**.11506**	**.00461**
Stddev	.00032	.00124	.0181	.0120	.0079	.00067	1.00	.00073	.00069
%RSD	40.843	131.59	.84263	.25730	.12080	.59831	.22372	.63832	14.949
#1	.00056	.00007	2.1406	4.6622	6.5275	.11129	445.45	.11454	.00510
#2	.00102	.00181	2.1663	4.6792	6.5387	.11223	446.86	.11558	.00413
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass
High Limit							250.00		
Low Limit							-.20000		

Elem	Na8183	Ni2316	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899	Sr4077
Line	818.326 { 41}	231.604 {446}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}2	189.989 {477}	407.771 { 83}
IS Ref	(Y_3774)	(In2306)	(In2306)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3774)	(In2306)	(Y_3774)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**68.952**	**.00429**	**.00324**	F **713.7**	**-.00073**	**-.00353**	**10.562**	**-.00091**	**.92630**
Stddev	.275	.00006	.00116	4.1	.00080	.00076	.059	.00104	.00185
%RSD	.39918	1.3197	35.940	.5735	109.78	21.671	.56147	113.86	.19951
#1	68.757	.00433	.00242	716.6	-.00129	-.00299	10.604	-.00165	.92761
#2	69.146	.00425	.00406	710.8	-.00016	-.00407	10.520	-.00018	.92500
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				25.00					
Low Limit				-.0100					

Elem	Ti3349	Tl1908	V_2924	Zn2062
Line	334.904 {101}	190.856 {477}	292.402 {115}	206.200 {163}
IS Ref	(Y_3600)	(In2306)	(Y_3600)	(Y_3600)
Units	ppm	ppm	ppm	ppm
Avg	**.00269**	**.00305**	**.00190**	**.00081**
Stddev	.00033	.00129	.00028	.00011
%RSD	12.345	42.130	14.790	12.947
#1	.00246	.00214	.00170	.00074
#2	.00292	.00396	.00210	.00089
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				
Low Limit				

Int. Std.	In2306	Y_2243	Y_3600	Y_3774
Line	230.606 {446}	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**1644.7**	**2525.5**	**22446.**	**4491.1**
Stddev	.3	4.9	14.	5.1
%RSD	.01753	.19279	.06372	.11294
#1	1644.9	2522.0	22435.	4494.7
#2	1644.5	2528.9	22456.	4487.5

Sample Name: 480-18216-G-4-A Acquired: 4/9/2012 16:36:38 Type: Unk
Method: ICAP1(v262) Mode: CONC Corr. Factor: 1.000000
User: MDM Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	B_2089	Ba4554-2	Be3130	Ca3179	Cd2288	Co2286
Line	328.068 {103}	308.215 {109}	189.042 {478}	208.959 {461}	455.403 { 74}2	313.042 {108}	317.933 {106}	228.802 {447}	228.616 {447}
IS Ref	(Y_3600)	(Y_3774)	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3774)	(Y_3774)	(Y_2243)	(In2306)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00126**	**.02383**	**.01485**	**.11280**	**.02473**	**.00000**	**141.42**	**.00035**	**.00001**
Stddev	.00037	.01728	.00080	.00097	.00002	.00020	1.10	.00000	.00004
%RSD	29.704	72.502	5.3656	.86350	.09412	4752.6	.77486	.01385	329.03
#1	-.00100	.01161	.01541	.11349	.02474	.00015	140.65	.00035	.00004
#2	-.00153	.03605	.01429	.11211	.02471	-.00014	142.20	.00035	-.00001
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Cr2677	Cu3247	Fe2599	K_7664	K_7664-2	Li6707	Mg2790	Mn2576	Mo2020
Line	267.716 {126}	324.754 {104}	259.940 {130}	766.490 { 44}	766.490 { 44}2	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}
IS Ref	(Y_3600)	(Y_3600)	(Y_3774)	(Y_3774)	(Y_3774)	(Y_3774)	(Y_3600)	(Y_3600)	(Y_2243)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00108**	**.00119**	**3.0621**	**2.5240**	**2.8839**	**.03642**	**88.033**	**.04027**	**.00908**
Stddev	.00030	.00071	.0366	.0197	.0435	.00058	.177	.00016	.00031
%RSD	28.260	59.413	1.1958	.78192	1.5079	1.6009	.20149	.39538	3.3608
#1	.00086	.00169	3.0362	2.5100	2.8531	.03683	88.158	.04038	.00930
#2	.00129	.00069	3.0880	2.5379	2.9146	.03600	87.907	.04015	.00886
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Na5895	Ni2316	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899	Sr4077
Line	589.592 { 57}	231.604 {446}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}2	189.989 {477}	407.771 { 83}
IS Ref	(Y_3774)	(In2306)	(In2306)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3774)	(In2306)	(Y_3774)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**16.082**	**.00274**	**.00190**	F **107.8**	**-.00120**	**-.00498**	**9.0270**	**-.00104**	**.43501**
Stddev	.066	.00088	.00025	.7	.00101	.00116	.1219	.00090	.00095
%RSD	.41204	32.031	13.082	.6039	83.787	23.262	1.3508	86.912	.21841
#1	16.035	.00212	.00208	108.3	-.00191	-.00580	8.9408	-.00168	.43434
#2	16.129	.00336	.00173	107.3	-.00049	-.00416	9.1132	-.00040	.43569
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				25.00					
Low Limit				-.0100					

Elem	Ti3349	Tl1908	V_2924	Zn2062
Line	334.904 {101}	190.856 {477}	292.402 {115}	206.200 {163}
IS Ref	(Y_3600)	(In2306)	(Y_3600)	(Y_3600)
Units	ppm	ppm	ppm	ppm
Avg	**.00133**	**.00154**	**.00232**	**-.00020**
Stddev	.00017	.00217	.00046	.00040
%RSD	12.823	140.73	20.032	200.03
#1	.00145	.00308	.00265	.00008
#2	.00121	.00001	.00199	-.00048
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				
Low Limit				

Int. Std.	In2306	Y_2243	Y_3600	Y_3774
Line	230.606 {446}	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**1811.1**	**2684.7**	**23939.**	**4594.8**
Stddev	4.7	1.9	58.	31.1
%RSD	.25779	.07121	.24133	.67577
#1	1807.8	2683.3	23899.	4616.8
#2	1814.4	2686.1	23980.	4572.9

Sample Name: 480-18216-G-5-A Acquired: 4/9/2012 16:38:57 Type: Unk
Method: ICAP1(v262) Mode: CONC Corr. Factor: 1.000000
User: MDM Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	B_2089	Ba4554-2	Be3130	Ca3179	Cd2288	Co2286
Line	328.068 {103}	308.215 {109}	189.042 {478}	208.959 {461}	455.403 { 74}2	313.042 {108}	317.933 {106}	228.802 {447}	228.616 {447}
IS Ref	(Y_3600)	(Y_3774)	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3774)	(Y_3774)	(Y_2243)	(In2306)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00174**	**.04105**	**.01218**	**.11242**	**.02903**	**.00018**	**153.25**	**.00018**	**.00031**
Stddev	.00147	.02748	.00154	.00026	.00002	.00006	1.77	.00007	.00013
%RSD	84.297	66.955	12.634	.23557	.07806	31.230	1.1561	36.173	41.827
#1	-.00070	.02161	.01109	.11260	.02901	.00022	152.00	.00014	.00041
#2	-.00277	.06048	.01327	.11223	.02904	.00014	154.50	.00023	.00022
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Cr2677	Cu3247	Fe2599	K_7664	K_7664-2	Li6707	Mg2790	Mn2576	Mo2020
Line	267.716 {126}	324.754 {104}	259.940 {130}	766.490 { 44}	766.490 { 44}2	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}
IS Ref	(Y_3600)	(Y_3600)	(Y_3774)	(Y_3774)	(Y_3774)	(Y_3774)	(Y_3600)	(Y_3600)	(Y_2243)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00028**	**.00092**	**2.7702**	**2.6196**	**3.0250**	**.03870**	**96.614**	**.04897**	**.01000**
Stddev	.00079	.00036	.0183	.0480	.0246	.00054	.180	.00024	.00002
%RSD	278.60	38.618	.66015	1.8317	.81189	1.4053	.18583	.48829	.23928
#1	-.00028	.00067	2.7573	2.5857	3.0076	.03832	96.487	.04880	.01002
#2	.00085	.00118	2.7832	2.6536	3.0424	.03909	96.741	.04914	.00998
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Na5895	Ni2316	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899	Sr4077
Line	589.592 { 57}	231.604 {446}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}2	189.989 {477}	407.771 { 83}
IS Ref	(Y_3774)	(In2306)	(In2306)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3774)	(In2306)	(Y_3774)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**17.864**	**.00163**	**.00031**	F **127.4**	**-.00105**	**-.00023**	**9.1064**	**-.00146**	**.45421**
Stddev	.106	.00030	.00067	.2	.00214	.00691	.0711	.00063	.00242
%RSD	.59453	18.180	213.08	.1766	203.46	2982.0	.78122	43.276	.53211
#1	17.789	.00142	.00078	127.6	-.00257	-.00512	9.0561	-.00101	.45250
#2	17.939	.00184	-.00016	127.2	.00046	.00466	9.1567	-.00190	.45592
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				25.00					
Low Limit				-.0100					

Elem	Ti3349	Tl1908	V_2924	Zn2062
Line	334.904 {101}	190.856 {477}	292.402 {115}	206.200 {163}
IS Ref	(Y_3600)	(In2306)	(Y_3600)	(Y_3600)
Units	ppm	ppm	ppm	ppm
Avg	**.00198**	**.00117**	**.00146**	**.00045**
Stddev	.00006	.00059	.00051	.00023
%RSD	2.7745	50.266	34.906	51.647
#1	.00195	.00159	.00110	.00029
#2	.00202	.00075	.00182	.00062
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				
Low Limit				

Int. Std.	In2306	Y_2243	Y_3600	Y_3774
Line	230.606 {446}	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**1805.6**	**2675.4**	**23827.**	**4607.2**
Stddev	1.9	4.5	47.	73.8
%RSD	.10723	.16657	.19876	1.6012
#1	1804.2	2678.5	23860.	4659.4
#2	1807.0	2672.2	23793.	4555.1

Sample Name: 480-18216-G-6-A Acquired: 4/9/2012 16:41:16 Type: Unk
Method: ICAP1(v262) Mode: CONC Corr. Factor: 1.000000
User: MDM Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	B_2089	Ba4554-2	Be3130	Ca3179	Cd2288	Co2286
Line	328.068 {103}	308.215 {109}	189.042 {478}	208.959 {461}	455.403 { 74}2	313.042 {108}	317.933 {106}	228.802 {447}	228.616 {447}
IS Ref	(Y_3600)	(Y_3774)	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3774)	(Y_3774)	(Y_2243)	(In2306)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00117**	**.04936**	**.01286**	**.12593**	**.02663**	**.00006**	**175.46**	**.00049**	**.00004**
Stddev	.00021	.06192	.00185	.00077	.00002	.00005	1.49	.00013	.00002
%RSD	17.864	125.44	14.387	.61004	.06385	90.065	.85132	25.472	58.590
#1	-.00132	.09315	.01417	.12648	.02662	.00002	174.40	.00040	.00006
#2	-.00102	.00558	.01155	.12539	.02664	.00009	176.51	.00058	.00002
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Cr2677	Cu3247	Fe2599	K_7664	K_7664-2	Li6707	Mg2790	Mn2576	Mo2020
Line	267.716 {126}	324.754 {104}	259.940 {130}	766.490 { 44}	766.490 { 44}2	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}
IS Ref	(Y_3600)	(Y_3600)	(Y_3774)	(Y_3774)	(Y_3774)	(Y_3774)	(Y_3600)	(Y_3600)	(Y_2243)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00080**	**.00126**	**3.3240**	**3.0743**	**3.6336**	**.04566**	**113.90**	**.06606**	**.00816**
Stddev	.00080	.00018	.0117	.0048	.0299	.00123	.03	.00039	.00015
%RSD	98.856	13.882	.35314	.15633	.82398	2.6993	.02712	.58941	1.8109
#1	.00024	.00139	3.3323	3.0709	3.6124	.04653	113.88	.06634	.00827
#2	.00137	.00114	3.3157	3.0777	3.6547	.04479	113.92	.06579	.00806
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Na5895	Ni2316	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899	Sr4077
Line	589.592 { 57}	231.604 {446}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}2	189.989 {477}	407.771 { 83}
IS Ref	(Y_3774)	(In2306)	(In2306)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3774)	(In2306)	(Y_3774)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**21.262**	**.00194**	**.00268**	F **162.8**	**-.00087**	**-.00285**	**9.6864**	**-.00113**	**.58022**
Stddev	.099	.00094	.00173	.5	.00020	.00279	.0681	.00046	.00355
%RSD	.46527	48.615	64.662	.3262	22.485	97.793	.70340	40.642	.61121
#1	21.192	.00261	.00145	163.2	-.00073	-.00483	9.6382	-.00081	.57771
#2	21.332	.00128	.00390	162.5	-.00101	-.00088	9.7346	-.00146	.58273
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				25.00					
Low Limit				-.0100					

Elem	Ti3349	Tl1908	V_2924	Zn2062
Line	334.904 {101}	190.856 {477}	292.402 {115}	206.200 {163}
IS Ref	(Y_3600)	(In2306)	(Y_3600)	(Y_3600)
Units	ppm	ppm	ppm	ppm
Avg	**.00140**	**-.00021**	**.00123**	**.00067**
Stddev	.00086	.00060	.00038	.00003
%RSD	61.915	288.95	30.743	4.9106
#1	.00201	-.00063	.00150	.00069
#2	.00078	.00022	.00097	.00064
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				
Low Limit				

Int. Std.	In2306	Y_2243	Y_3600	Y_3774
Line	230.606 {446}	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**1783.0**	**2650.2**	**23678.**	**4577.3**
Stddev	4.4	1.5	42.	27.4
%RSD	.24905	.05509	.17777	.59938
#1	1779.9	2649.2	23707.	4596.7
#2	1786.2	2651.2	23648.	4557.9

Sample Name: 480-18216-G-7-A Acquired: 4/9/2012 16:43:35 Type: Unk
Method: ICAP1(v262) Mode: CONC Corr. Factor: 1.000000
User: MDM Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	B_2089	Ba4554-2	Be3130	Ca3179	Cd2288	Co2286
Line	328.068 {103}	308.215 {109}	189.042 {478}	208.959 {461}	455.403 { 74}2	313.042 {108}	317.933 {106}	228.802 {447}	228.616 {447}
IS Ref	(Y_3600)	(Y_3774)	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3774)	(Y_3774)	(Y_2243)	(In2306)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00082**	**.05500**	**.00447**	**.12150**	**.01704**	**-.00002**	**331.35**	**.00078**	**.00090**
Stddev	.00069	.03371	.00181	.00109	.00001	.00002	1.69	.00010	.00025
%RSD	83.750	61.291	40.546	.89595	.03957	152.25	.51045	12.451	27.907
#1	-.00131	.07884	.00575	.12227	.01705	-.00003	330.15	.00085	.00072
#2	-.00034	.03116	.00319	.12073	.01704	.00000	332.54	.00071	.00108
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Cr2677	Cu3247	Fe2599	K_7664	K_7664-2	Li6707	Mg2790	Mn2576	Mo2020
Line	267.716 {126}	324.754 {104}	259.940 {130}	766.490 { 44}	766.490 { 44}2	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}
IS Ref	(Y_3600)	(Y_3600)	(Y_3774)	(Y_3774)	(Y_3774)	(Y_3774)	(Y_3600)	(Y_3600)	(Y_2243)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00063**	**.00127**	**3.4811**	**4.6437**	**6.4646**	**.10549**	F **405.77**	**.16658**	**.00419**
Stddev	.00009	.00024	.0300	.0039	.0051	.00024	2.60	.00128	.00078
%RSD	14.162	19.017	.86150	.08325	.07882	.22892	.64062	.76737	18.660
#1	.00056	.00144	3.4599	4.6464	6.4610	.10532	403.93	.16568	.00363
#2	.00069	.00110	3.5023	4.6410	6.4682	.10567	407.61	.16748	.00474
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass
High Limit							250.00		
Low Limit							-.20000		

Elem	Na8183	Ni2316	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899	Sr4077
Line	818.326 { 41}	231.604 {446}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}2	189.989 {477}	407.771 { 83}
IS Ref	(Y_3774)	(In2306)	(In2306)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3774)	(In2306)	(Y_3774)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**65.176**	**.00332**	**.00095**	F **679.5**	**-.00298**	**-.00490**	**10.655**	**-.00106**	**.97970**
Stddev	.118	.00081	.00203	3.3	.00284	.00917	.032	.00025	.00296
%RSD	.18051	24.412	214.05	.4822	95.420	187.25	.29560	23.228	.30201
#1	65.259	.00389	-.00049	681.8	-.00097	-.01138	10.677	-.00124	.97761
#2	65.093	.00275	.00238	677.2	-.00499	.00159	10.633	-.00089	.98179
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				25.00					
Low Limit				-.0100					

Elem	Ti3349	Tl1908	V_2924	Zn2062
Line	334.904 {101}	190.856 {477}	292.402 {115}	206.200 {163}
IS Ref	(Y_3600)	(In2306)	(Y_3600)	(Y_3600)
Units	ppm	ppm	ppm	ppm
Avg	**.00225**	**.00150**	**.00280**	**.00035**
Stddev	.00134	.00421	.00072	.00067
%RSD	59.815	281.36	25.589	188.94
#1	.00320	.00448	.00229	.00083
#2	.00130	-.00148	.00330	-.00012
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				
Low Limit				

Int. Std.	In2306	Y_2243	Y_3600	Y_3774
Line	230.606 {446}	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**1648.2**	**2526.7**	**22511.**	**4460.3**
Stddev	.9	1.5	87.	30.0
%RSD	.05243	.05961	.38801	.67176
#1	1648.8	2527.8	22572.	4481.5
#2	1647.6	2525.7	22449.	4439.2

Sample Name: 480-18215-C-1-A Acquired: 4/9/2012 16:45:54 Type: Unk
Method: ICAP1(v262) Mode: CONC Corr. Factor: 1.000000
User: MDM Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	B_2089	Ba4554-2	Be3130	Ca3179	Cd2288	Co2286
Line	328.068 {103}	308.215 {109}	189.042 {478}	208.959 {461}	455.403 { 74}2	313.042 {108}	317.933 {106}	228.802 {447}	228.616 {447}
IS Ref	(Y_3600)	(Y_3774)	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3774)	(Y_3774)	(Y_2243)	(In2306)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00161**	**2.4267**	**.00847**	**.02582**	**.02948**	**.00016**	**17.888**	**-.00008**	**.00121**
Stddev	.00080	.0156	.00234	.00044	.00033	.00004	.053	.00018	.00043
%RSD	49.760	.64180	27.602	1.6882	1.1114	27.146	.29691	212.74	35.869
#1	-.00104	2.4157	.00682	.02613	.02971	.00019	17.851	-.00021	.00151
#2	-.00218	2.4377	.01013	.02551	.02925	.00013	17.926	.00004	.00090
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Cr2677	Cu3247	Fe2599	K_7664	K_7664-2	Li6707	Mg2790	Mn2576	Mo2020
Line	267.716 {126}	324.754 {104}	259.940 {130}	766.490 { 44}	766.490 { 44}2	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}
IS Ref	(Y_3600)	(Y_3600)	(Y_3774)	(Y_3774)	(Y_3774)	(Y_3774)	(Y_3600)	(Y_3600)	(Y_2243)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00180**	**.00266**	**5.4388**	**1.8647**	**1.7058**	**.00712**	**5.8204**	**.94167**	**.00024**
Stddev	.00007	.00005	.0367	.0297	.0100	.00023	.0423	.00733	.00009
%RSD	4.0678	1.9791	.67555	1.5944	.58757	3.1963	.72654	.77878	38.489
#1	.00174	.00263	5.4648	1.8437	1.6987	.00729	5.8503	.94685	.00018
#2	.00185	.00270	5.4129	1.8857	1.7129	.00696	5.7905	.93648	.00031
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Na5895	Ni2316	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899	Sr4077
Line	589.592 { 57}	231.604 {446}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}2	189.989 {477}	407.771 { 83}
IS Ref	(Y_3774)	(In2306)	(In2306)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3774)	(In2306)	(Y_3774)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**13.019**	**.00238**	**.00443**	**14.68**	**-.00101**	**-.00146**	**14.867**	**-.00112**	**.11940**
Stddev	.015	.00015	.00081	.10	.00041	.00814	.001	.00098	.00021
%RSD	.11875	6.4232	18.380	.6659	40.317	557.23	.00588	87.193	.17283
#1	13.008	.00227	.00385	14.75	-.00130	-.00722	14.868	-.00043	.11926
#2	13.030	.00249	.00500	14.61	-.00072	.00429	14.866	-.00181	.11955
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Ti3349	Tl1908	V_2924	Zn2062
Line	334.904 {101}	190.856 {477}	292.402 {115}	206.200 {163}
IS Ref	(Y_3600)	(In2306)	(Y_3600)	(Y_3600)
Units	ppm	ppm	ppm	ppm
Avg	**.23508**	**-.00119**	**.00593**	**.00685**
Stddev	.00309	.00031	.00062	.00050
%RSD	1.3150	26.129	10.429	7.2305
#1	.23727	-.00141	.00636	.00720
#2	.23289	-.00097	.00549	.00650
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				
Low Limit				

Int. Std.	In2306	Y_2243	Y_3600	Y_3774
Line	230.606 {446}	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**1975.3**	**2826.4**	**25163.**	**4627.1**
Stddev	1.7	1.6	182.	20.2
%RSD	.08576	.05710	.72298	.43615
#1	1974.1	2827.6	25035.	4612.9
#2	1976.5	2825.3	25292.	4641.4

Sample Name: 480-18215-C-3-A Acquired: 4/9/2012 16:48:13 Type: Unk
Method: ICAP1(v262) Mode: CONC Corr. Factor: 1.000000
User: MDM Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	B_2089	Ba4554-2	Be3130	Ca3179	Cd2288	Co2286
Line	328.068 {103}	308.215 {109}	189.042 {478}	208.959 {461}	455.403 { 74}2	313.042 {108}	317.933 {106}	228.802 {447}	228.616 {447}
IS Ref	(Y_3600)	(Y_3774)	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3774)	(Y_3774)	(Y_2243)	(In2306)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00046**	**.01071**	**-.00198**	**.01657**	**.00346**	**.00010**	**2.2448**	**-.00014**	**.00007**
Stddev	.00041	.04038	.00111	.00016	.00003	.00001	.0181	.00018	.00012
%RSD	87.697	376.92	55.871	.99476	.89415	10.160	.80418	128.95	159.87
#1	-.00018	-.01784	-.00120	.01646	.00349	.00011	2.2576	-.00027	.00015
#2	-.00075	.03927	-.00277	.01669	.00344	.00009	2.2320	-.00001	-.00001
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Cr2677	Cu3247	Fe2599	K_7664	K_7664-2	Li6707	Mg2790	Mn2576	Mo2020
Line	267.716 {126}	324.754 {104}	259.940 {130}	766.490 { 44}	766.490 { 44}2	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}
IS Ref	(Y_3600)	(Y_3600)	(Y_3774)	(Y_3774)	(Y_3774)	(Y_3774)	(Y_3600)	(Y_3600)	(Y_2243)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00013**	**.00064**	**.02991**	**.67489**	**.58042**	**.00029**	**.78148**	**.00087**	**.00015**
Stddev	.00060	.00024	.00418	.01890	.01139	.00040	.01371	.00007	.00012
%RSD	446.48	37.669	13.964	2.8010	1.9628	137.88	1.7548	7.5397	79.179
#1	-.00029	.00081	.03286	.66152	.58848	.00058	.79117	.00082	.00023
#2	.00055	.00047	.02695	.68825	.57237	.00001	.77178	.00092	.00006
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Na5895	Ni2316	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899	Sr4077
Line	589.592 { 57}	231.604 {446}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}2	189.989 {477}	407.771 { 83}
IS Ref	(Y_3774)	(In2306)	(In2306)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3774)	(In2306)	(Y_3774)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**15.881**	**.00080**	**.00176**	**3.694**	**-.00139**	**.00150**	**4.9925**	**-.00039**	**.02766**
Stddev	.161	.00043	.00030	.036	.00442	.00378	.0753	.00032	.00005
%RSD	1.0141	54.141	16.849	.9745	318.06	252.03	1.5079	80.675	.16867
#1	15.995	.00049	.00155	3.719	.00174	-.00117	5.0457	-.00017	.02769
#2	15.767	.00111	.00197	3.668	-.00452	.00417	4.9393	-.00062	.02763
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Ti3349	Tl1908	V_2924	Zn2062
Line	334.904 {101}	190.856 {477}	292.402 {115}	206.200 {163}
IS Ref	(Y_3600)	(In2306)	(Y_3600)	(Y_3600)
Units	ppm	ppm	ppm	ppm
Avg	**.00058**	**.00030**	**.00068**	**.00042**
Stddev	.00023	.00241	.00015	.00027
%RSD	39.361	797.58	22.919	65.772
#1	.00074	.00200	.00057	.00061
#2	.00042	-.00140	.00079	.00022
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				
Low Limit				

Int. Std.	In2306	Y_2243	Y_3600	Y_3774
Line	230.606 {446}	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**2006.7**	**2822.7**	**25256.**	**4647.1**
Stddev	.2	2.1	145.	57.4
%RSD	.00804	.07264	.57531	1.2357
#1	2006.8	2824.2	25153.	4606.5
#2	2006.6	2821.3	25359.	4687.7

Sample Name: 480-18215-C-4-A Acquired: 4/9/2012 16:50:34 Type: Unk
Method: ICAP1(v262) Mode: CONC Corr. Factor: 1.000000
User: MDM Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	B_2089	Ba4554-2	Be3130	Ca3179	Cd2288	Co2286
Line	328.068 {103}	308.215 {109}	189.042 {478}	208.959 {461}	455.403 { 74}2	313.042 {108}	317.933 {106}	228.802 {447}	228.616 {447}
IS Ref	(Y_3600)	(Y_3774)	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3774)	(Y_3774)	(Y_2243)	(In2306)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00100**	**.04773**	**-.00341**	**.01213**	**.00603**	**.00005**	**4.2972**	**.00012**	**.00003**
Stddev	.00001	.01182	.00153	.00002	.00003	.00014	.0263	.00003	.00019
%RSD	1.2422	24.774	44.825	.14770	.55768	305.25	.61168	21.464	729.65
#1	-.00099	.05609	-.00449	.01214	.00606	-.00005	4.3157	.00010	.00016
#2	-.00100	.03937	-.00233	.01212	.00601	.00015	4.2786	.00013	-.00011
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Cr2677	Cu3247	Fe2599	K_7664	K_7664-2	Li6707	Mg2790	Mn2576	Mo2020
Line	267.716 {126}	324.754 {104}	259.940 {130}	766.490 { 44}	766.490 { 44}2	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}
IS Ref	(Y_3600)	(Y_3600)	(Y_3774)	(Y_3774)	(Y_3774)	(Y_3774)	(Y_3600)	(Y_3600)	(Y_2243)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00069**	**.00068**	**.03604**	**1.2572**	**1.0220**	**-.00015**	**1.0888**	**.00723**	**.00013**
Stddev	.00030	.00011	.00375	.0326	.0077	.00007	.0165	.00013	.00033
%RSD	43.788	16.184	10.402	2.5930	.75417	47.822	1.5186	1.8451	261.33
#1	-.00047	.00076	.03869	1.2342	1.0166	-.00010	1.1005	.00713	-.00011
#2	-.00090	.00060	.03339	1.2803	1.0275	-.00020	1.0771	.00732	.00036
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Na5895	Ni2316	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899	Sr4077
Line	589.592 { 57}	231.604 {446}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}2	189.989 {477}	407.771 { 83}
IS Ref	(Y_3774)	(In2306)	(In2306)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3774)	(In2306)	(Y_3774)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**3.4873**	**-.00040**	**-.00125**	**3.679**	**.00052**	**-.00369**	**4.2840**	**-.00112**	**.04125**
Stddev	.0080	.00005	.00184	.022	.00097	.00132	.0448	.00041	.00025
%RSD	.22863	13.592	147.31	.6079	185.94	35.713	1.0465	36.739	.59878
#1	3.4930	-.00036	.00005	3.694	.00120	-.00276	4.2523	-.00083	.04143
#2	3.4817	-.00043	-.00255	3.663	-.00016	-.00463	4.3157	-.00141	.04108
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Ti3349	Tl1908	V_2924	Zn2062
Line	334.904 {101}	190.856 {477}	292.402 {115}	206.200 {163}
IS Ref	(Y_3600)	(In2306)	(Y_3600)	(Y_3600)
Units	ppm	ppm	ppm	ppm
Avg	**.00014**	**.00038**	**.00125**	**.00121**
Stddev	.00020	.00241	.00025	.00140
%RSD	145.60	640.34	19.855	115.39
#1	.00028	.00208	.00143	.00022
#2	.00000	-.00133	.00108	.00220
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				
Low Limit				

Int. Std.	In2306	Y_2243	Y_3600	Y_3774
Line	230.606 {446}	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**2028.5**	**2826.9**	**25357.**	**4664.8**
Stddev	3.5	2.4	164.	39.9
%RSD	.17338	.08653	.64533	.85605
#1	2031.0	2825.1	25242.	4636.6
#2	2026.0	2828.6	25473.	4693.1

Sample Name: CCV Acquired: 4/9/2012 16:52:57 Type: QC
Method: ICAP1(v262) Mode: CONC Corr. Factor: 1.000000
User: MDM Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	B_2089	Ba4554	Be3130	Ca3179	Cd2288	Co2286	Cr2677	Cu3247	Fe2599	K_7664
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.49847**	**23.756**	**.49254**	**.47942**	**.50216**	**.48961**	**23.709**	**.49866**	**.47958**	**.48420**	**.47751**	**24.925**	**23.755**
Stddev	.00086	.187	.00261	.00165	.00098	.00304	.211	.00208	.00164	.00252	.00046	.179	.170
%RSD	.17234	.78883	.52891	.34519	.19585	.62052	.89111	.41784	.34116	.52061	.09534	.71650	.71634
#1	.49908	23.889	.49439	.48059	.50285	.49176	23.859	.50013	.48074	.48599	.47783	25.051	23.876
#2	.49787	23.624	.49070	.47825	.50146	.48746	23.560	.49718	.47842	.48242	.47719	24.798	23.635
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value													
Range													

Elem	K_7664-2	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**22.848**	**.46619**	**25.167**	**.51561**	**.50252**	**23.487**	**.49481**	**.49348**	**25.07**	**.50070**	**.49957**	**23.304**	**.50712**
Stddev	.213	.00315	.059	.00100	.00007	.163	.00116	.00002	.05	.00295	.00540	.242	.00210
%RSD	.93153	.67498	.23526	.19338	.01299	.69576	.23392	.00317	.2001	.58960	1.0815	1.0402	.41378
#1	22.998	.46842	25.209	.51631	.50257	23.603	.49563	.49347	25.11	.49861	.50339	23.476	.50860
#2	22.697	.46397	25.125	.51490	.50248	23.372	.49399	.49349	25.04	.50279	.49575	23.133	.50564
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value													
Range													

Elem	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm
Avg	**.47653**	**.49753**	**.49997**	**.48177**	**.49206**
Stddev	.00266	.00266	.00893	.00299	.00373
%RSD	.55887	.53433	1.7858	.62067	.75797
#1	.47841	.49941	.50628	.48388	.49469
#2	.47464	.49565	.49365	.47965	.48942
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value					
Range					

Int. Std.	In2306	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**1889.4**	**2786.1**	**24587.**	**4629.1**
Stddev	8.7	9.2	81.	49.2
%RSD	.46163	.32871	.33034	1.0634
#1	1883.2	2779.6	24530.	4594.3
#2	1895.6	2792.6	24645.	4663.9

Sample Name: CCB Acquired: 4/9/2012 16:55:12 Type: QC
Method: ICAP1(v262) Mode: CONC Corr. Factor: 1.000000
User: MDM Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	B_2089	Ba4554-2	Be3130	Ca3179	Cd2288	Co2286	Cr2677	Cu3247	Fe2599	K_7664
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00045**	**.01440**	**.00104**	**-.00088**	**.00001**	**.00025**	**-.00209**	**.00001**	**.00007**	**.00004**	**.00029**	**.01378**	**-.00687**
Stddev	.00010	.00013	.00153	.00013	.00002	.00009	.00398	.00022	.00000	.00060	.00028	.00209	.01070
%RSD	22.049	.87586	146.86	14.898	128.66	37.828	190.08	2842.8	.28213	1666.0	98.671	15.148	155.84
#1	-.00038	.01449	.00213	-.00079	.00003	.00032	.00072	-.00015	.00007	.00046	.00049	.01526	-.01444
#2	-.00052	.01432	-.00004	-.00097	.00000	.00018	-.00491	.00017	.00007	-.00039	.00009	.01231	.00070
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit													
Low Limit													

Elem	K_7664-2	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00440**	**.00016**	**.00144**	**-.00007**	**-.00003**	**.00123**	**.00025**	**-.00084**	F **.0095**	**-.00047**	**-.00409**	**.00109**	**.00049**
Stddev	.00023	.00067	.00783	.00009	.00045	.00381	.00032	.00139	.0034	.00013	.00400	.00029	.00068
%RSD	5.1159	432.13	544.52	127.79	1463.4	309.61	129.48	166.27	36.13	28.079	97.799	26.986	138.60
#1	.00456	-.00032	.00697	-.00001	.00029	-.00146	.00002	-.00182	.0119	-.00038	-.00692	.00130	.00097
#2	.00424	.00063	-.00410	-.00014	-.00035	.00392	.00047	.00015	.0071	-.00057	-.00126	.00088	.00001
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									.0030				
Low Limit									-.0040				

Elem	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm
Avg	**-.00009**	**.00052**	**.00165**	**.00089**	**.00023**
Stddev	.00009	.00038	.00277	.00044	.00045
%RSD	90.703	73.885	167.33	49.585	197.30
#1	-.00016	.00025	.00361	.00120	-.00009
#2	-.00003	.00079	-.00030	.00057	.00055
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Int. Std.	In2306	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**2021.2**	**2817.8**	**25266.**	**4590.4**
Stddev	7.6	6.3	15.	20.8
%RSD	.37785	.22313	.05799	.45219
#1	2015.8	2813.4	25276.	4575.7
#2	2026.6	2822.3	25256.	4605.1

Sample Name: 480-18215-C-5-A Acquired: 4/9/2012 16:57:36 Type: Unk
Method: ICAP1(v262) Mode: CONC Corr. Factor: 1.000000
User: MDM Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	B_2089	Ba4554-2	Be3130	Ca3179	Cd2288	Co2286
Line	328.068 {103}	308.215 {109}	189.042 {478}	208.959 {461}	455.403 { 74}2	313.042 {108}	317.933 {106}	228.802 {447}	228.616 {447}
IS Ref	(Y_3600)	(Y_3774)	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3774)	(Y_3774)	(Y_2243)	(In2306)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00094**	**.71874**	**.00152**	**.03760**	**.03351**	**.00028**	**20.868**	**.00009**	**.00029**
Stddev	.00055	.00843	.00223	.00033	.00015	.00020	.040	.00007	.00012
%RSD	57.983	1.1733	146.84	.86466	.43325	71.704	.18938	77.086	41.088
#1	-.00133	.71277	.00309	.03783	.03361	.00042	20.841	.00013	.00021
#2	-.00055	.72470	-.00006	.03737	.03340	.00014	20.896	.00004	.00037
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Cr2677	Cu3247	Fe2599	K_7664	K_7664-2	Li6707	Mg2790	Mn2576	Mo2020
Line	267.716 {126}	324.754 {104}	259.940 {130}	766.490 { 44}	766.490 { 44}2	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}
IS Ref	(Y_3600)	(Y_3600)	(Y_3774)	(Y_3774)	(Y_3774)	(Y_3774)	(Y_3600)	(Y_3600)	(Y_2243)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00247**	**.00202**	**1.0945**	**3.9725**	**3.8394**	**.00302**	**6.9404**	**.01981**	**.00045**
Stddev	.00061	.00005	.0162	.0117	.0184	.00032	.0052	.00007	.00008
%RSD	24.652	2.2540	1.4792	.29538	.47966	10.609	.07441	.33881	18.112
#1	.00290	.00199	1.0830	3.9808	3.8264	.00279	6.9440	.01985	.00039
#2	.00204	.00205	1.1059	3.9642	3.8525	.00324	6.9367	.01976	.00050
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Na5895	Ni2316	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899	Sr4077
Line	589.592 { 57}	231.604 {446}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}2	189.989 {477}	407.771 { 83}
IS Ref	(Y_3774)	(In2306)	(In2306)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3774)	(In2306)	(Y_3774)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**30.024**	**.00538**	**-.00043**	**5.210**	**.00082**	**-.00141**	**8.2738**	**-.00059**	**.25209**
Stddev	.036	.00092	.00185	.034	.00137	.00116	.0393	.00029	.00045
%RSD	.12098	17.154	430.86	.6527	167.04	82.722	.47531	49.275	.17971
#1	29.998	.00473	-.00174	5.234	.00179	-.00058	8.2460	-.00080	.25177
#2	30.050	.00603	.00088	5.186	-.00015	-.00223	8.3016	-.00038	.25241
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Ti3349	Tl1908	V_2924	Zn2062
Line	334.904 {101}	190.856 {477}	292.402 {115}	206.200 {163}
IS Ref	(Y_3600)	(In2306)	(Y_3600)	(Y_3600)
Units	ppm	ppm	ppm	ppm
Avg	**.05788**	**.00103**	**.00245**	**.00727**
Stddev	.00155	.00205	.00033	.00051
%RSD	2.6779	198.97	13.596	7.0286
#1	.05679	-.00042	.00269	.00691
#2	.05898	.00248	.00222	.00764
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				
Low Limit				

Int. Std.	In2306	Y_2243	Y_3600	Y_3774
Line	230.606 {446}	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**1956.4**	**2795.5**	**24903.**	**4643.7**
Stddev	5.7	4.8	40.	6.6
%RSD	.29006	.17010	.15954	.14191
#1	1952.4	2792.1	24875.	4648.4
#2	1960.5	2798.8	24931.	4639.1

Sample Name: 480-18215-C-6-A Acquired: 4/9/2012 16:59:54 Type: Unk
Method: ICAP1(v262) Mode: CONC Corr. Factor: 1.000000
User: MDM Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	B_2089	Ba4554-2	Be3130	Ca3179	Cd2288	Co2286
Line	328.068 {103}	308.215 {109}	189.042 {478}	208.959 {461}	455.403 { 74}2	313.042 {108}	317.933 {106}	228.802 {447}	228.616 {447}
IS Ref	(Y_3600)	(Y_3774)	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3774)	(Y_3774)	(Y_2243)	(In2306)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00073**	**.03806**	**-.00067**	**.01670**	**.00350**	**.00024**	**2.2436**	**.00005**	**.00010**
Stddev	.00107	.00928	.00130	.00019	.00001	.00008	.0193	.00011	.00008
%RSD	145.30	24.389	194.17	1.1262	.20849	34.647	.86102	220.67	77.614
#1	-.00149	.04463	.00025	.01683	.00350	.00018	2.2573	-.00003	.00005
#2	.00002	.03150	-.00159	.01656	.00351	.00030	2.2300	.00013	.00016
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Cr2677	Cu3247	Fe2599	K_7664	K_7664-2	Li6707	Mg2790	Mn2576	Mo2020
Line	267.716 {126}	324.754 {104}	259.940 {130}	766.490 { 44}	766.490 { 44}2	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}
IS Ref	(Y_3600)	(Y_3600)	(Y_3774)	(Y_3774)	(Y_3774)	(Y_3774)	(Y_3600)	(Y_3600)	(Y_2243)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00002**	**.00063**	**.01592**	**.65321**	**.57501**	**.00004**	**.77279**	**.00098**	**-.00002**
Stddev	.00013	.00001	.00168	.04025	.00129	.00060	.00219	.00004	.00014
%RSD	778.38	1.8858	10.551	6.1614	.22413	1357.6	.28381	4.4684	927.39
#1	.00011	.00062	.01711	.62475	.57592	.00047	.77435	.00101	.00009
#2	-.00008	.00064	.01473	.68166	.57410	-.00038	.77124	.00095	-.00012
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Na5895	Ni2316	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899	Sr4077
Line	589.592 { 57}	231.604 {446}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}2	189.989 {477}	407.771 { 83}
IS Ref	(Y_3774)	(In2306)	(In2306)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3774)	(In2306)	(Y_3774)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**16.203**	**-.00029**	**.00016**	**3.733**	**.00006**	**-.00309**	**4.9948**	**-.00164**	**.02776**
Stddev	.012	.00002	.00072	.013	.00086	.00039	.0482	.00037	.00010
%RSD	.07213	6.4394	463.07	.3356	1540.5	12.504	.96453	22.699	.34231
#1	16.212	-.00028	-.00035	3.742	.00067	-.00336	4.9608	-.00138	.02782
#2	16.195	-.00031	.00066	3.724	-.00055	-.00282	5.0289	-.00190	.02769
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Ti3349	Tl1908	V_2924	Zn2062
Line	334.904 {101}	190.856 {477}	292.402 {115}	206.200 {163}
IS Ref	(Y_3600)	(In2306)	(Y_3600)	(Y_3600)
Units	ppm	ppm	ppm	ppm
Avg	**-.00015**	**-.00061**	**.00109**	**.00066**
Stddev	.00005	.00129	.00038	.00026
%RSD	34.496	209.83	34.617	39.189
#1	-.00012	-.00153	.00136	.00084
#2	-.00019	.00030	.00083	.00048
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				
Low Limit				

Int. Std.	In2306	Y_2243	Y_3600	Y_3774
Line	230.606 {446}	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**2002.5**	**2823.3**	**25237.**	**4642.1**
Stddev	2.1	4.6	46.	14.2
%RSD	.10321	.16239	.18390	.30682
#1	2001.0	2826.5	25204.	4632.1
#2	2004.0	2820.0	25269.	4652.2

Sample Name: MB 480-58146/27-B Acquired: 4/9/2012 17:02:26 Type: Unk
Method: ICAP1(v262) Mode: CONC Corr. Factor: 1.000000
User: MDM Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	B_2089	Ba4554-2	Be3130	Ca3179	Cd2288	Co2286
Line	328.068 {103}	308.215 {109}	189.042 {478}	208.959 {461}	455.403 { 74}2	313.042 {108}	317.933 {106}	228.802 {447}	228.616 {447}
IS Ref	(Y_3600)	(Y_3774)	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3774)	(Y_3774)	(Y_2243)	(In2306)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00041**	**.05377**	**-.00074**	**.00233**	**.00001**	**.00010**	**.03635**	**-.00016**	**.00009**
Stddev	.00010	.01690	.00080	.00041	.00001	.00004	.00163	.00010	.00012
%RSD	24.402	31.431	108.04	17.518	169.02	36.475	4.4923	63.925	142.50
#1	-.00034	.06572	-.00130	.00262	.00000	.00008	.03519	-.00023	.00017
#2	-.00048	.04182	-.00017	.00204	.00002	.00013	.03750	-.00009	.00000
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Cr2677	Cu3247	Fe2599	K_7664	K_7664-2	Li6707	Mg2790	Mn2576	Mo2020
Line	267.716 {126}	324.754 {104}	259.940 {130}	766.490 { 44}	766.490 { 44}2	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}
IS Ref	(Y_3600)	(Y_3600)	(Y_3774)	(Y_3774)	(Y_3774)	(Y_3774)	(Y_3600)	(Y_3600)	(Y_2243)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00042**	**.00085**	**.02557**	**.00873**	**.00422**	**.00098**	**-.00119**	F **.00040**	**.00017**
Stddev	.00100	.00010	.01366	.04333	.00047	.00039	.00111	.00004	.00029
%RSD	238.10	11.943	53.432	496.29	11.203	39.681	93.466	8.6823	168.62
#1	.00029	.00078	.01591	.03937	.00455	.00071	-.00040	.00038	-.00003
#2	-.00113	.00093	.03523	-.02191	.00389	.00126	-.00198	.00043	.00038
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass
High Limit								.00035	
Low Limit								-.00300	

Elem	Na5895	Ni2316	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899	Sr4077
Line	589.592 { 57}	231.604 {446}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}2	189.989 {477}	407.771 { 83}
IS Ref	(Y_3774)	(In2306)	(In2306)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3774)	(In2306)	(Y_3774)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00571**	**.00031**	**.00031**	F **.0060**	**-.00331**	**-.00008**	**-.00848**	**-.00140**	**.00004**
Stddev	.00808	.00028	.00458	.0015	.00017	.00521	.02685	.00036	.00009
%RSD	141.37	90.885	1463.5	25.47	5.0252	6327.3	316.75	25.845	235.41
#1	.01142	.00011	.00355	.0049	-.00320	.00360	.01051	-.00115	-.00003
#2	.00000	.00051	-.00293	.0070	-.00343	-.00377	-.02746	-.00166	.00010
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass
High Limit				.0022					
Low Limit				-.0040					

Elem	Ti3349	Tl1908	V_2924	Zn2062
Line	334.904 {101}	190.856 {477}	292.402 {115}	206.200 {163}
IS Ref	(Y_3600)	(In2306)	(Y_3600)	(Y_3600)
Units	ppm	ppm	ppm	ppm
Avg	**.00052**	**-.00019**	**.00075**	**.00041**
Stddev	.00024	.00011	.00040	.00026
%RSD	45.514	60.541	53.202	64.029
#1	.00069	-.00027	.00047	.00023
#2	.00036	-.00011	.00103	.00060
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				
Low Limit				

Int. Std.	In2306	Y_2243	Y_3600	Y_3774
Line	230.606 {446}	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**2040.2**	**2851.1**	**25621.**	**4617.9**
Stddev	2.2	1.5	59.	15.0
%RSD	.10913	.05385	.22865	.32564
#1	2038.6	2850.0	25662.	4607.3
#2	2041.8	2852.2	25580.	4628.6

Sample Name: LCS 480-58146/28-B Acquired: 4/9/2012 17:04:59 Type: Unk
Method: ICAP1(v262) Mode: CONC Corr. Factor: 1.000000
User: MDM Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	B_2089	Ba4554-2	Be3130	Ca3179	Cd2288	Co2286
Line	328.068 {103}	308.215 {109}	189.042 {478}	208.959 {461}	455.403 { 74}2	313.042 {108}	317.933 {106}	228.802 {447}	228.616 {447}
IS Ref	(Y_3600)	(Y_3774)	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3774)	(Y_3774)	(Y_2243)	(In2306)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.04912**	**9.6607**	**.19062**	**.19667**	**.20601**	**.20321**	**9.3884**	**.19549**	**.19053**
Stddev	.00094	.0194	.00294	.00093	.00114	.00122	.0358	.00128	.00103
%RSD	1.9101	.20084	1.5432	.47183	.55314	.60111	.38160	.65558	.53939
#1	.04979	9.6470	.19270	.19601	.20682	.20407	9.4137	.19639	.19126
#2	.04846	9.6744	.18854	.19733	.20521	.20235	9.3631	.19458	.18981
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Cr2677	Cu3247	Fe2599	K_7664	K_7664-2	Li6707	Mg2790	Mn2576	Mo2020
Line	267.716 {126}	324.754 {104}	259.940 {130}	766.490 { 44}	766.490 { 44}2	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}
IS Ref	(Y_3600)	(Y_3600)	(Y_3774)	(Y_3774)	(Y_3774)	(Y_3774)	(Y_3600)	(Y_3600)	(Y_2243)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.19217**	**.19156**	**9.8038**	**9.4733**	**8.5309**	**.18928**	**9.7845**	**.20387**	**.20106**
Stddev	.00069	.00094	.0700	.0342	.0359	.00058	.0457	.00055	.00153
%RSD	.35663	.49050	.71400	.36079	.42103	.30389	.46662	.27047	.76249
#1	.19266	.19089	9.8533	9.4974	8.5055	.18968	9.8168	.20426	.20214
#2	.19169	.19222	9.7543	9.4491	8.5563	.18887	9.7522	.20348	.19997
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Na5895	Ni2316	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899	Sr4077
Line	589.592 { 57}	231.604 {446}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}2	189.989 {477}	407.771 { 83}
IS Ref	(Y_3774)	(In2306)	(In2306)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3774)	(In2306)	(Y_3774)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**9.4118**	**.19104**	**.19419**	F **.0008**	**.19565**	**.18997**	**9.4978**	**.19879**	**.19302**
Stddev	.0268	.00087	.00009	.0018	.00083	.00085	.0519	.00147	.00077
%RSD	.28440	.45472	.04439	234.8	.42368	.44866	.54630	.73951	.39815
#1	9.4307	.19166	.19425	.0020	.19624	.19058	9.5345	.19983	.19356
#2	9.3929	.19043	.19413	-.0005	.19507	.18937	9.4611	.19775	.19247
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				11.50					
Low Limit				8.500					

Elem	Ti3349	Tl1908	V_2924	Zn2062
Line	334.904 {101}	190.856 {477}	292.402 {115}	206.200 {163}
IS Ref	(Y_3600)	(In2306)	(Y_3600)	(Y_3600)
Units	ppm	ppm	ppm	ppm
Avg	**.19613**	**.19370**	**.19106**	**.20594**
Stddev	.00099	.00083	.00162	.00040
%RSD	.50445	.42879	.84590	.19411
#1	.19543	.19311	.18992	.20622
#2	.19683	.19429	.19220	.20566
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				
Low Limit				

Int. Std.	In2306	Y_2243	Y_3600	Y_3774
Line	230.606 {446}	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**1966.3**	**2825.6**	**24997.**	**4625.3**
Stddev	2.5	5.5	82.	14.3
%RSD	.12625	.19598	.32641	.30882
#1	1968.0	2829.5	24939.	4615.2
#2	1964.5	2821.7	25055.	4635.5

Sample Name: 480-18219-K-1-A Acquired: 4/9/2012 17:07:26 Type: Unk
Method: ICAP1(v262) Mode: CONC Corr. Factor: 1.000000
User: MDM Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	B_2089	Ba4554-2	Be3130	Ca3179	Cd2288	Co2286
Line	328.068 {103}	308.215 {109}	189.042 {478}	208.959 {461}	455.403 { 74}2	313.042 {108}	317.933 {106}	228.802 {447}	228.616 {447}
IS Ref	(Y_3600)	(Y_3774)	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3774)	(Y_3774)	(Y_2243)	(In2306)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00166**	**.02438**	**.00574**	**.10450**	**.01116**	**.00021**	**350.64**	**.00043**	**.00377**
Stddev	.00166	.00910	.00211	.00090	.00003	.00012	1.15	.00011	.00018
%RSD	100.39	37.332	36.785	.85812	.26117	57.869	.32836	26.733	4.7623
#1	-.00048	.03081	.00425	.10514	.01118	.00030	349.83	.00051	.00389
#2	-.00283	.01794	.00723	.10387	.01114	.00013	351.45	.00035	.00364
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Cr2677	Cu3247	Fe2599	K_7664	K_7664-2	Li6707	Mg2790	Mn2576	Mo2020
Line	267.716 {126}	324.754 {104}	259.940 {130}	766.490 { 44}	766.490 { 44}2	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}
IS Ref	(Y_3600)	(Y_3600)	(Y_3774)	(Y_3774)	(Y_3774)	(Y_3774)	(Y_3600)	(Y_3600)	(Y_2243)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00138**	**.00166**	**.86364**	**2.8378**	**3.6681**	**.02130**	**86.136**	**.83478**	**.01359**
Stddev	.00014	.00044	.02208	.0027	.0309	.00061	.354	.00159	.00016
%RSD	9.9918	26.141	2.5569	.09489	.84293	2.8476	.41059	.19003	1.1957
#1	.00148	.00136	.87925	2.8397	3.6899	.02173	85.886	.83366	.01347
#2	.00128	.00197	.84802	2.8359	3.6462	.02087	86.386	.83590	.01370
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Na8183	Ni2316	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899	Sr4077
Line	818.326 { 41}	231.604 {446}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}2	189.989 {477}	407.771 { 83}
IS Ref	(Y_3774)	(In2306)	(In2306)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3774)	(In2306)	(Y_3774)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**56.113**	**.01590**	**.00259**	F **361.9**	**-.00241**	**-.00355**	**19.075**	**-.00158**	**.94649**
Stddev	.355	.00073	.00215	2.2	.00191	.00252	.059	.00110	.00008
%RSD	.63233	4.5755	82.882	.6112	79.031	71.192	.30940	69.647	.00820
#1	56.364	.01641	.00412	363.4	-.00376	-.00533	19.033	-.00080	.94644
#2	55.862	.01539	.00107	360.3	-.00106	-.00176	19.116	-.00236	.94655
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				25.00					
Low Limit				-.0100					

Elem	Ti3349	Tl1908	V_2924	Zn2062
Line	334.904 {101}	190.856 {477}	292.402 {115}	206.200 {163}
IS Ref	(Y_3600)	(In2306)	(Y_3600)	(Y_3600)
Units	ppm	ppm	ppm	ppm
Avg	**.00212**	**-.00100**	**.00262**	**-.00041**
Stddev	.00183	.00011	.00005	.00140
%RSD	86.154	11.275	1.7519	339.95
#1	.00341	-.00108	.00259	.00058
#2	.00083	-.00092	.00266	-.00140
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				
Low Limit				

Int. Std.	In2306	Y_2243	Y_3600	Y_3774
Line	230.606 {446}	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**1718.3**	**2598.2**	**23035.**	**4493.2**
Stddev	3.6	4.9	141.	6.9
%RSD	.21235	.18997	.61004	.15380
#1	1715.7	2594.7	23134.	4498.1
#2	1720.8	2601.7	22935.	4488.3

Sample Name: 480-18219-K-2-A Acquired: 4/9/2012 17:09:48 Type: Unk
Method: ICAP1(v262) Mode: CONC Corr. Factor: 1.000000
User: MDM Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	B_2089	Ba4554-2	Be3130	Ca3179	Cd2288	Co2286
Line	328.068 {103}	308.215 {109}	189.042 {478}	208.959 {461}	455.403 { 74}2	313.042 {108}	317.933 {106}	228.802 {447}	228.616 {447}
IS Ref	(Y_3600)	(Y_3774)	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3774)	(Y_3774)	(Y_2243)	(In2306)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00086**	**.06183**	**.00309**	**.10854**	**.01733**	**-.00004**	**397.29**	**.00062**	**.00001**
Stddev	.00087	.00390	.00012	.00052	.00003	.00006	1.99	.00014	.00024
%RSD	101.35	6.3139	3.8600	.48102	.16750	161.41	.50182	22.595	3076.9
#1	-.00148	.06459	.00317	.10891	.01735	-.00008	395.88	.00071	.00018
#2	-.00024	.05906	.00301	.10817	.01731	.00001	398.70	.00052	-.00016
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Cr2677	Cu3247	Fe2599	K_7664	K_7664-2	Li6707	Mg2790	Mn2576	Mo2020
Line	267.716 {126}	324.754 {104}	259.940 {130}	766.490 { 44}	766.490 { 44}2	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}
IS Ref	(Y_3600)	(Y_3600)	(Y_3774)	(Y_3774)	(Y_3774)	(Y_3774)	(Y_3600)	(Y_3600)	(Y_2243)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00108**	**.00182**	**4.2239**	**5.0143**	**7.9481**	**.07031**	F **255.19**	**.06341**	**.00198**
Stddev	.00016	.00005	.0045	.0055	.0087	.00012	.23	.00031	.00032
%RSD	14.822	2.9403	.10596	.11000	.10995	.17546	.08883	.49626	15.952
#1	.00119	.00178	4.2270	5.0104	7.9419	.07022	255.35	.06319	.00221
#2	.00096	.00186	4.2207	5.0182	7.9543	.07040	255.03	.06363	.00176
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass
High Limit							250.00		
Low Limit							-.20000		

Elem	Na8183	Ni2316	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899	Sr4077
Line	818.326 { 41}	231.604 {446}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}2	189.989 {477}	407.771 { 83}
IS Ref	(Y_3774)	(In2306)	(In2306)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3774)	(In2306)	(Y_3774)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**354.79**	**.00121**	**.00137**	F **770.5**	**.00046**	**.00390**	**12.529**	**-.00028**	**.68025**
Stddev	.54	.00110	.00124	5.7	.00149	.00356	.013	.00017	.00193
%RSD	.15278	91.007	90.135	.7349	320.08	91.202	.10609	62.541	.28324
#1	354.41	.00199	.00225	774.5	.00151	.00642	12.519	-.00015	.67889
#2	355.18	.00043	.00050	766.5	-.00059	.00139	12.538	-.00040	.68161
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				25.00					
Low Limit				-.0100					

Elem	Ti3349	Tl1908	V_2924	Zn2062
Line	334.904 {101}	190.856 {477}	292.402 {115}	206.200 {163}
IS Ref	(Y_3600)	(In2306)	(Y_3600)	(Y_3600)
Units	ppm	ppm	ppm	ppm
Avg	**.00180**	**.00022**	**.00206**	**-.00107**
Stddev	.00004	.00004	.00132	.00053
%RSD	2.1115	16.907	64.035	49.191
#1	.00183	.00024	.00113	-.00070
#2	.00178	.00019	.00299	-.00145
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				
Low Limit				

Int. Std.	In2306	Y_2243	Y_3600	Y_3774
Line	230.606 {446}	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**1593.9**	**2495.6**	**22007.**	**4426.6**
Stddev	5.7	3.7	89.	29.4
%RSD	.35756	.14922	.40369	.66309
#1	1589.9	2493.0	21944.	4447.4
#2	1597.9	2498.3	22070.	4405.9

Sample Name: 480-18219-K-3-A Acquired: 4/9/2012 17:12:15 Type: Unk
Method: ICAP1(v262) Mode: CONC Corr. Factor: 1.000000
User: MDM Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	B_2089	Ba4554-2	Be3130	Ca3179	Cd2288	Co2286
Line	328.068 {103}	308.215 {109}	189.042 {478}	208.959 {461}	455.403 { 74}2	313.042 {108}	317.933 {106}	228.802 {447}	228.616 {447}
IS Ref	(Y_3600)	(Y_3774)	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3774)	(Y_3774)	(Y_2243)	(In2306)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00030**	**.05519**	**.01142**	**.08009**	**.02198**	**.00009**	**132.88**	**.00032**	**.00122**
Stddev	.00112	.03729	.00008	.00059	.00007	.00003	.34	.00025	.00015
%RSD	370.34	67.562	.74264	.73304	.31251	35.175	.25797	78.962	12.252
#1	-.00109	.02883	.01148	.08050	.02193	.00011	133.13	.00050	.00133
#2	.00049	.08156	.01136	.07967	.02203	.00007	132.64	.00014	.00112
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Cr2677	Cu3247	Fe2599	K_7664	K_7664-2	Li6707	Mg2790	Mn2576	Mo2020
Line	267.716 {126}	324.754 {104}	259.940 {130}	766.490 { 44}	766.490 { 44}2	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}
IS Ref	(Y_3600)	(Y_3600)	(Y_3774)	(Y_3774)	(Y_3774)	(Y_3774)	(Y_3600)	(Y_3600)	(Y_2243)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00081**	**.00128**	**2.5132**	**2.5901**	**2.8787**	**.03953**	**86.743**	**.03422**	**.00843**
Stddev	.00039	.00061	.0143	.0123	.0032	.00030	.124	.00027	.00032
%RSD	48.298	47.810	.56950	.47577	.11060	.76261	.14288	.79514	3.7736
#1	.00109	.00085	2.5233	2.5989	2.8810	.03975	86.831	.03442	.00865
#2	.00053	.00171	2.5031	2.5814	2.8765	.03932	86.656	.03403	.00820
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Na5895	Ni2316	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899	Sr4077
Line	589.592 { 57}	231.604 {446}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}2	189.989 {477}	407.771 { 83}
IS Ref	(Y_3774)	(In2306)	(In2306)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3774)	(In2306)	(Y_3774)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**17.488**	**.00112**	**.00126**	F **97.53**	**-.00144**	**-.00162**	**8.8644**	**-.00127**	**.32460**
Stddev	.017	.00043	.00047	.34	.00037	.00025	.0220	.00041	.00052
%RSD	.09445	38.134	37.638	.3453	25.735	15.383	.24840	32.141	.16099
#1	17.476	.00082	.00092	97.77	-.00170	-.00180	8.8489	-.00156	.32497
#2	17.500	.00142	.00159	97.29	-.00118	-.00144	8.8800	-.00098	.32423
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				25.00					
Low Limit				-.0100					

Elem	Ti3349	Tl1908	V_2924	Zn2062
Line	334.904 {101}	190.856 {477}	292.402 {115}	206.200 {163}
IS Ref	(Y_3600)	(In2306)	(Y_3600)	(Y_3600)
Units	ppm	ppm	ppm	ppm
Avg	**.00126**	**.00033**	**.00197**	**.00071**
Stddev	.00058	.00171	.00049	.00111
%RSD	45.987	514.23	25.015	156.49
#1	.00085	.00154	.00162	.00149
#2	.00166	-.00088	.00232	-.00008
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				
Low Limit				

Int. Std.	In2306	Y_2243	Y_3600	Y_3774
Line	230.606 {446}	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**1813.2**	**2687.0**	**23838.**	**4575.8**
Stddev	.1	2.6	2.	21.9
%RSD	.00805	.09525	.00988	.47814
#1	1813.1	2685.2	23836.	4560.3
#2	1813.3	2688.8	23839.	4591.2

Sample Name: 480-18219-K-3-A SD@5 Acquired: 4/9/2012 17:14:34 Type: Unk
Method: ICAP1(v262) Mode: CONC Corr. Factor: 1.000000
User: MDM Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	B_2089	Ba4554-2	Be3130	Ca3179	Cd2288	Co2286
Line	328.068 {103}	308.215 {109}	189.042 {478}	208.959 {461}	455.403 { 74}2	313.042 {108}	317.933 {106}	228.802 {447}	228.616 {447}
IS Ref	(Y_3600)	(Y_3774)	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3774)	(Y_3774)	(Y_2243)	(In2306)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00101**	**.03422**	**.00077**	**.01436**	**.00443**	**-.00005**	**27.106**	**-.00007**	**.00023**
Stddev	.00015	.00435	.00023	.00023	.00002	.00003	.173	.00003	.00009
%RSD	14.851	12.716	29.799	1.6123	.33946	55.497	.63957	36.922	38.675
#1	-.00090	.03730	.00061	.01453	.00442	-.00007	27.229	-.00009	.00029
#2	-.00112	.03114	.00093	.01420	.00445	-.00003	26.984	-.00005	.00017
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Cr2677	Cu3247	Fe2599	K_7664	K_7664-2	Li6707	Mg2790	Mn2576	Mo2020
Line	267.716 {126}	324.754 {104}	259.940 {130}	766.490 { 44}	766.490 { 44}2	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}
IS Ref	(Y_3600)	(Y_3600)	(Y_3774)	(Y_3774)	(Y_3774)	(Y_3774)	(Y_3600)	(Y_3600)	(Y_2243)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00013**	**.00043**	**.50096**	**.50288**	**.44587**	**.00804**	**16.846**	**.00691**	**.00161**
Stddev	.00007	.00059	.01215	.02856	.01134	.00046	.011	.00020	.00006
%RSD	56.961	137.07	2.4263	5.6796	2.5433	5.7134	.06756	2.8418	3.4607
#1	-.00008	.00085	.49236	.52307	.45389	.00771	16.854	.00704	.00165
#2	-.00018	.00001	.50955	.48268	.43786	.00836	16.838	.00677	.00157
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Na5895	Ni2316	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899	Sr4077
Line	589.592 { 57}	231.604 {446}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}2	189.989 {477}	407.771 { 83}
IS Ref	(Y_3774)	(In2306)	(In2306)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3774)	(In2306)	(Y_3774)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**3.4327**	**.00038**	**.00188**	**18.67**	**-.00134**	**-.00271**	**1.7700**	**.00004**	**.06470**
Stddev	.0201	.00019	.00067	.10	.00202	.00123	.0285	.00011	.00027
%RSD	.58465	50.122	35.829	.5237	150.62	45.516	1.6089	278.42	.41995
#1	3.4469	.00025	.00236	18.74	-.00277	-.00184	1.7901	-.00004	.06489
#2	3.4185	.00051	.00141	18.60	.00009	-.00358	1.7499	.00012	.06450
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Ti3349	Tl1908	V_2924	Zn2062
Line	334.904 {101}	190.856 {477}	292.402 {115}	206.200 {163}
IS Ref	(Y_3600)	(In2306)	(Y_3600)	(Y_3600)
Units	ppm	ppm	ppm	ppm
Avg	**.00073**	**.00099**	**.00079**	**-.00006**
Stddev	.00035	.00017	.00032	.00012
%RSD	47.419	17.160	40.975	211.02
#1	.00098	.00087	.00056	-.00015
#2	.00049	.00111	.00102	.00003
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				
Low Limit				

Int. Std.	In2306	Y_2243	Y_3600	Y_3774
Line	230.606 {446}	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**1957.4**	**2791.6**	**24762.**	**4567.6**
Stddev	.9	1.8	40.	44.3
%RSD	.04573	.06390	.16184	.97049
#1	1958.0	2790.3	24734.	4536.2
#2	1956.7	2792.8	24790.	4598.9

Sample Name: 480-18219-K-3-A PDS Acquired: 4/9/2012 17:16:54 Type: Unk
Method: ICAP1(v262) Mode: CONC Corr. Factor: 1.000000
User: MDM Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	B_2089	Ba4554-2	Be3130	Ca3179	Cd2288	Co2286
Line	328.068 {103}	308.215 {109}	189.042 {478}	208.959 {461}	455.403 { 74}2	313.042 {108}	317.933 {106}	228.802 {447}	228.616 {447}
IS Ref	(Y_3600)	(Y_3774)	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3774)	(Y_3774)	(Y_2243)	(In2306)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.05098**	**10.340**	**.46343**	**.28961**	**.24785**	**.43852**	**152.78**	**.44582**	**.41385**
Stddev	.00056	.037	.00111	.00034	.00010	.00180	.29	.00291	.00282
%RSD	1.1017	.35534	.23864	.11802	.04227	.41003	.19049	.65315	.68124
#1	.05058	10.366	.46422	.28985	.24793	.43979	152.98	.44788	.41584
#2	.05137	10.314	.46265	.28936	.24778	.43725	152.57	.44376	.41186
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Cr2677	Cu3247	Fe2599	K_7664	K_7664-2	Li6707	Mg2790	Mn2576	Mo2020
Line	267.716 {126}	324.754 {104}	259.940 {130}	766.490 { 44}	766.490 { 44}2	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}
IS Ref	(Y_3600)	(Y_3600)	(Y_3774)	(Y_3774)	(Y_3774)	(Y_3774)	(Y_3600)	(Y_3600)	(Y_2243)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.42256**	**.42807**	**23.958**	**13.067**	**14.734**	**.24917**	**107.41**	**.46955**	**.45100**
Stddev	.00001	.00074	.043	.018	.207	.00125	.13	.00125	.00363
%RSD	.00306	.17296	.17886	.14036	1.4062	.50248	.12010	.26609	.80550
#1	.42256	.42859	23.988	13.080	14.587	.25005	107.51	.47043	.45357
#2	.42257	.42754	23.928	13.054	14.881	.24828	107.32	.46867	.44843
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Na5895	Ni2316	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899	Sr4077
Line	589.592 { 57}	231.604 {446}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}2	189.989 {477}	407.771 { 83}
IS Ref	(Y_3774)	(In2306)	(In2306)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3774)	(In2306)	(Y_3774)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**27.697**	**.43258**	**.44076**	F **95.56**	**.44253**	**.44895**	**8.8089**	**.20634**	**.52861**
Stddev	.105	.00309	.00461	.55	.00406	.00050	.1312	.00211	.00269
%RSD	.37822	.71447	1.0470	.5725	.91807	.11147	1.4898	1.0208	.50962
#1	27.772	.43477	.44402	95.95	.44540	.44931	8.9017	.20783	.53051
#2	27.623	.43040	.43750	95.17	.43965	.44860	8.7161	.20485	.52670
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				25.00					
Low Limit				-.0100					

Elem	Ti3349	Tl1908	V_2924	Zn2062
Line	334.904 {101}	190.856 {477}	292.402 {115}	206.200 {163}
IS Ref	(Y_3600)	(In2306)	(Y_3600)	(Y_3600)
Units	ppm	ppm	ppm	ppm
Avg	**.44058**	**.44811**	**.42685**	**.44567**
Stddev	.00167	.00588	.00226	.00092
%RSD	.37883	1.3113	.53035	.20684
#1	.44177	.45226	.42845	.44632
#2	.43940	.44395	.42525	.44502
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				
Low Limit				

Int. Std.	In2306	Y_2243	Y_3600	Y_3774
Line	230.606 {446}	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**1770.3**	**2675.2**	**23642.**	**4523.5**
Stddev	.2	5.2	77.	2.6
%RSD	.00999	.19374	.32493	.05733
#1	1770.2	2671.5	23587.	4521.6
#2	1770.4	2678.9	23696.	4525.3

Sample Name: 480-18219-K-3-B MS Acquired: 4/9/2012 17:19:13 Type: Unk
Method: ICAP1(v262) Mode: CONC Corr. Factor: 1.000000
User: MDM Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	B_2089	Ba4554-2	Be3130	Ca3179	Cd2288	Co2286
Line	328.068 {103}	308.215 {109}	189.042 {478}	208.959 {461}	455.403 { 74}2	313.042 {108}	317.933 {106}	228.802 {447}	228.616 {447}
IS Ref	(Y_3600)	(Y_3774)	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3774)	(Y_3774)	(Y_2243)	(In2306)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.05041	9.6884	.20782	.27623	.22465	.20120	141.66	.19936	.19334
Stddev	.00081	.1295	.00090	.00242	.00058	.00034	.39	.00203	.00209
%RSD	1.5986	1.3371	.43192	.87445	.25986	.17049	.27305	1.0179	1.0791
#1	.04984	9.7800	.20846	.27794	.22423	.20144	141.93	.20080	.19482
#2	.05098	9.5968	.20719	.27452	.22506	.20096	141.39	.19793	.19187
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Cr2677	Cu3247	Fe2599	K_7664	K_7664-2	Li6707	Mg2790	Mn2576	Mo2020
Line	267.716 {126}	324.754 {104}	259.940 {130}	766.490 { 44}	766.490 { 44}2	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}
IS Ref	(Y_3600)	(Y_3600)	(Y_3774)	(Y_3774)	(Y_3774)	(Y_3774)	(Y_3600)	(Y_3600)	(Y_2243)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.18964	.19262	12.130	12.221	13.581	.23058	95.573	.23399	.20798
Stddev	.00010	.00027	.025	.008	.016	.00326	.238	.00075	.00308
%RSD	.05266	.14076	.20882	.06738	.11458	1.4133	.24938	.32161	1.4800
#1	.18957	.19242	12.148	12.216	13.592	.23289	95.405	.23346	.21016
#2	.18971	.19281	12.112	12.227	13.570	.22828	95.742	.23453	.20580
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Na5895	Ni2316	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899	Sr4077
Line	589.592 { 57}	231.604 {446}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}2	189.989 {477}	407.771 { 83}
IS Ref	(Y_3774)	(In2306)	(In2306)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3774)	(In2306)	(Y_3774)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	26.916	.19250	.19732	F 95.27	.19828	.19251	18.300	.19755	.51268
Stddev	.080	.00063	.00053	.52	.00222	.00329	.017	.00081	.00139
%RSD	.29819	.32806	.27106	.5438	1.1172	1.7106	.09379	.41126	.27103
#1	26.973	.19295	.19770	95.64	.19985	.19484	18.312	.19812	.51367
#2	26.859	.19206	.19694	94.91	.19672	.19018	18.287	.19697	.51170
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				25.00					
Low Limit				-.0100					

Elem	Ti3349	Tl1908	V_2924	Zn2062
Line	334.904 {101}	190.856 {477}	292.402 {115}	206.200 {163}
IS Ref	(Y_3600)	(In2306)	(Y_3600)	(Y_3600)
Units	ppm	ppm	ppm	ppm
Avg	.19913	.19798	.19012	.20248
Stddev	.00071	.00515	.00177	.00062
%RSD	.35455	2.6026	.93005	.30701
#1	.19863	.20163	.18887	.20204
#2	.19963	.19434	.19137	.20292
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				
Low Limit				

Int. Std.	In2306	Y_2243	Y_3600	Y_3774
Line	230.606 {446}	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	1788.7	2686.0	23671.	4543.5
Stddev	2.0	.6	29.	16.6
%RSD	.11261	.02078	.12144	.36564
#1	1790.2	2685.6	23650.	4531.7
#2	1787.3	2686.4	23691.	4555.2

Sample Name: CCV Acquired: 4/9/2012 17:21:37 Type: QC
Method: ICAP1(v262) Mode: CONC Corr. Factor: 1.000000
User: MDM Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	B_2089	Ba4554	Be3130	Ca3179	Cd2288	Co2286	Cr2677	Cu3247	Fe2599	K_7664
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.49715**	**23.651**	**.49158**	**.47683**	**.49927**	**.48970**	**23.811**	**.49578**	**.47877**	**.48501**	**.47187**	**24.940**	**23.669**
Stddev	.00375	.182	.00132	.00233	.00247	.00643	.262	.00188	.00100	.00215	.00027	.221	.204
%RSD	.75513	.76776	.26945	.48829	.49470	1.3134	1.0987	.37868	.20803	.44405	.05795	.88784	.86126
#1	.49981	23.779	.49252	.47847	.50102	.49425	23.996	.49711	.47947	.48654	.47168	25.096	23.813
#2	.49450	23.523	.49065	.47518	.49753	.48515	23.626	.49445	.47806	.48349	.47207	24.783	23.525
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value													
Range													

Elem	K_7664-2	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**22.958**	**.46565**	**25.124**	**.51636**	**.50174**	**23.416**	**.49137**	**.48993**	**24.87**	**.49677**	**.49004**	**23.180**	**.50763**
Stddev	.013	.00475	.026	.00068	.00151	.161	.00093	.00167	.06	.00217	.00425	.284	.00050
%RSD	.05747	1.0207	.10297	.13262	.30178	.68807	.19010	.34034	.2211	.43702	.86676	1.2246	.09791
#1	22.968	.46901	25.142	.51684	.50281	23.530	.49203	.48875	24.91	.49831	.49304	23.381	.50799
#2	22.949	.46229	25.106	.51587	.50067	23.302	.49071	.49110	24.84	.49524	.48703	22.979	.50728
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value													
Range													

Elem	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm
Avg	**.47365**	**.49822**	**.49770**	**.47738**	**.49414**
Stddev	.00364	.00161	.00107	.00239	.00215
%RSD	.76792	.32369	.21444	.50137	.43479
#1	.47622	.49708	.49846	.47908	.49566
#2	.47108	.49936	.49695	.47569	.49262
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value					
Range					

Int. Std.	In2306	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**1892.3**	**2791.3**	**24592.**	**4580.0**
Stddev	.4	1.3	59.	39.1
%RSD	.02265	.04527	.24057	.85335
#1	1892.6	2790.4	24551.	4552.4
#2	1892.0	2792.2	24634.	4607.6

Sample Name: CCB Acquired: 4/9/2012 17:23:54 Type: QC
Method: ICAP1(v262) Mode: CONC Corr. Factor: 1.000000
User: MDM Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	B_2089	Ba4554-2	Be3130	Ca3179	Cd2288	Co2286	Cr2677	Cu3247	Fe2599	K_7664
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00120**	**.03226**	**-.00099**	**-.00135**	**.00002**	**.00002**	**-.00492**	**-.00005**	**-.00002**	**-.00029**	**.00004**	**.01525**	**.05115**
Stddev	.00041	.03253	.00119	.00077	.00001	.00003	.00385	.00020	.00013	.00046	.00017	.00147	.00696
%RSD	34.444	100.84	120.92	57.469	26.105	119.49	78.219	372.38	564.21	156.59	391.66	9.6461	13.597
#1	-.00091	.05526	-.00183	-.00080	.00003	.00000	-.00764	-.00020	.00007	.00003	-.00008	.01629	.04623
#2	-.00150	.00926	-.00014	-.00189	.00002	.00004	-.00220	.00009	-.00012	-.00062	.00016	.01421	.05607
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit													
Low Limit													

Elem	K_7664-2	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00451**	**.00148**	**-.00402**	**-.00020**	**-.00008**	**.00834**	**-.00001**	**-.00028**	F **.0123**	**-.00017**	**-.00684**	**-.01039**	**.00014**
Stddev	.00007	.00182	.00603	.00016	.00009	.00141	.00018	.00227	.0022	.00068	.00474	.00227	.00053
%RSD	1.4908	123.02	150.05	83.772	107.43	16.938	3577.6	819.22	18.24	399.58	69.346	21.883	370.69
#1	.00447	.00276	.00025	-.00008	-.00002	.00734	.00012	.00133	.0107	-.00065	-.01019	-.01200	.00051
#2	.00456	.00019	-.00828	-.00031	-.00014	.00934	-.00013	-.00188	.0139	.00031	-.00348	-.00878	-.00023
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									.0030				
Low Limit									-.0040				

Elem	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm
Avg	**.00001**	**.00015**	**.00093**	**.00124**	**.00080**
Stddev	.00004	.00010	.00144	.00019	.00039
%RSD	369.95	67.111	155.22	15.238	48.633
#1	.00004	.00022	-.00009	.00110	.00053
#2	-.00002	.00008	.00195	.00137	.00108
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Int. Std.	In2306	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**2012.1**	**2816.4**	**25195.**	**4535.3**
Stddev	6.3	4.1	46.	3.5
%RSD	.31399	.14622	.18353	.07636
#1	2007.6	2819.3	25228.	4532.9
#2	2016.5	2813.5	25162.	4537.8

Sample Name: 480-18219-K-3-C MSD Acquired: 4/9/2012 17:26:17 Type: Unk
Method: ICAP1(v262) Mode: CONC Corr. Factor: 1.000000
User: MDM Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	B_2089	Ba4554-2	Be3130	Ca3179	Cd2288	Co2286
Line	328.068 {103}	308.215 {109}	189.042 {478}	208.959 {461}	455.403 { 74}2	313.042 {108}	317.933 {106}	228.802 {447}	228.616 {447}
IS Ref	(Y_3600)	(Y_3774)	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3774)	(Y_3774)	(Y_2243)	(In2306)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.05054**	**10.015**	**.21147**	**.28764**	**.22938**	**.20678**	**147.58**	**.20450**	**.19846**
Stddev	.00004	.054	.00362	.00233	.00067	.00055	.00	.00131	.00182
%RSD	.08028	.53591	1.7105	.81033	.29197	.26790	.00324	.64194	.91759
#1	.05057	9.9772	.21403	.28929	.22986	.20717	147.58	.20543	.19974
#2	.05051	10.053	.20891	.28599	.22891	.20639	147.59	.20357	.19717
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Cr2677	Cu3247	Fe2599	K_7664	K_7664-2	Li6707	Mg2790	Mn2576	Mo2020
Line	267.716 {126}	324.754 {104}	259.940 {130}	766.490 { 44}	766.490 { 44}2	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}
IS Ref	(Y_3600)	(Y_3600)	(Y_3774)	(Y_3774)	(Y_3774)	(Y_3774)	(Y_3600)	(Y_3600)	(Y_2243)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.19665**	**.19789**	**12.523**	**12.597**	**14.210**	**.23915**	**98.470**	**.24039**	**.21447**
Stddev	.00048	.00132	.010	.010	.004	.00005	.402	.00090	.00126
%RSD	.24222	.66833	.07769	.08308	.02929	.01905	.40808	.37456	.58577
#1	.19698	.19883	12.516	12.604	14.207	.23911	98.754	.24103	.21535
#2	.19631	.19696	12.530	12.589	14.213	.23918	98.186	.23976	.21358
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Na5895	Ni2316	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899	Sr4077
Line	589.592 { 57}	231.604 {446}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}2	189.989 {477}	407.771 { 83}
IS Ref	(Y_3774)	(In2306)	(In2306)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3774)	(In2306)	(Y_3774)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**27.862**	**.19846**	**.20423**	F **98.82**	**.20457**	**.19687**	**18.853**	**.20448**	**.53046**
Stddev	.040	.00289	.00382	.70	.00247	.00537	.018	.00157	.00182
%RSD	.14498	1.4570	1.8690	.7053	1.2094	2.7290	.09632	.76706	.34287
#1	27.891	.20050	.20693	99.31	.20632	.20067	18.866	.20559	.53174
#2	27.834	.19641	.20154	98.33	.20282	.19308	18.840	.20337	.52917
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				25.00					
Low Limit				-.0100					

Elem	Ti3349	Tl1908	V_2924	Zn2062
Line	334.904 {101}	190.856 {477}	292.402 {115}	206.200 {163}
IS Ref	(Y_3600)	(In2306)	(Y_3600)	(Y_3600)
Units	ppm	ppm	ppm	ppm
Avg	**.20309**	**.19449**	**.19638**	**.20877**
Stddev	.00176	.00291	.00038	.00274
%RSD	.86457	1.4940	.19318	1.3129
#1	.20433	.19655	.19665	.21071
#2	.20185	.19244	.19611	.20683
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				
Low Limit				

Int. Std.	In2306	Y_2243	Y_3600	Y_3774
Line	230.606 {446}	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**1776.5**	**2667.5**	**23538.**	**4516.5**
Stddev	10.5	8.4	125.	2.5
%RSD	.58969	.31563	.53247	.05547
#1	1769.1	2661.5	23449.	4514.7
#2	1783.9	2673.4	23626.	4518.3

Sample Name: 480-18219-K-4-A Acquired: 4/9/2012 17:28:37 Type: Unk
Method: ICAP1(v262) Mode: CONC Corr. Factor: 1.000000
User: MDM Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	B_2089	Ba4554-2	Be3130	Ca3179	Cd2288	Co2286
Line	328.068 {103}	308.215 {109}	189.042 {478}	208.959 {461}	455.403 { 74}2	313.042 {108}	317.933 {106}	228.802 {447}	228.616 {447}
IS Ref	(Y_3600)	(Y_3774)	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3774)	(Y_3774)	(Y_2243)	(In2306)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00113**	**.04901**	**.02175**	**.15667**	**.06231**	**.00005**	**119.13**	**.00014**	**.00238**
Stddev	.00073	.00608	.00021	.00094	.00023	.00016	.10	.00012	.00007
%RSD	64.795	12.413	.94846	.59804	.37694	294.47	.08670	87.934	2.7651
#1	-.00165	.04471	.02161	.15733	.06248	.00017	119.21	.00005	.00243
#2	-.00061	.05331	.02190	.15601	.06214	-.00006	119.06	.00022	.00233
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Cr2677	Cu3247	Fe2599	K_7664	K_7664-2	Li6707	Mg2790	Mn2576	Mo2020
Line	267.716 {126}	324.754 {104}	259.940 {130}	766.490 { 44}	766.490 { 44}2	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}
IS Ref	(Y_3600)	(Y_3600)	(Y_3774)	(Y_3774)	(Y_3774)	(Y_3774)	(Y_3600)	(Y_3600)	(Y_2243)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00058**	**.00115**	**2.5606**	**3.7508**	**4.1573**	**.02383**	**61.101**	**.15768**	**.01776**
Stddev	.00050	.00034	.0048	.0542	.0342	.00020	.205	.00042	.00015
%RSD	87.326	29.274	.18894	1.4453	.82233	.84226	.33572	.26558	.85469
#1	.00022	.00138	2.5571	3.7124	4.1331	.02398	61.246	.15798	.01786
#2	.00093	.00091	2.5640	3.7891	4.1815	.02369	60.956	.15739	.01765
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Na5895	Ni2316	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899	Sr4077
Line	589.592 { 57}	231.604 {446}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}2	189.989 {477}	407.771 { 83}
IS Ref	(Y_3774)	(In2306)	(In2306)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3774)	(In2306)	(Y_3774)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**25.013**	**.00364**	**-.00097**	F **67.74**	**-.00029**	**-.00519**	**6.4090**	**-.00128**	**.58090**
Stddev	.048	.00010	.00002	.42	.00113	.00169	.0133	.00008	.00113
%RSD	.19005	2.7256	2.3260	.6165	383.94	32.524	.20700	6.0220	.19402
#1	25.047	.00371	-.00099	68.03	-.00109	-.00638	6.3996	-.00133	.58010
#2	24.979	.00357	-.00096	67.44	.00050	-.00400	6.4184	-.00122	.58170
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				25.00					
Low Limit				-.0100					

Elem	Ti3349	Tl1908	V_2924	Zn2062
Line	334.904 {101}	190.856 {477}	292.402 {115}	206.200 {163}
IS Ref	(Y_3600)	(In2306)	(Y_3600)	(Y_3600)
Units	ppm	ppm	ppm	ppm
Avg	**.00112**	**.00018**	**.00124**	**-.00017**
Stddev	.00045	.00403	.00024	.00020
%RSD	40.232	2286.6	19.400	118.28
#1	.00144	.00302	.00141	-.00003
#2	.00080	-.00267	.00107	-.00031
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				
Low Limit				

Int. Std.	In2306	Y_2243	Y_3600	Y_3774
Line	230.606 {446}	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**1827.8**	**2682.8**	**23865.**	**4540.8**
Stddev	.3	3.2	87.	31.8
%RSD	.01387	.11899	.36650	.70068
#1	1827.7	2680.6	23804.	4563.3
#2	1828.0	2685.1	23927.	4518.3

Sample Name: 480-18219-K-5-A Acquired: 4/9/2012 17:30:56 Type: Unk
Method: ICAP1(v262) Mode: CONC Corr. Factor: 1.000000
User: MDM Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	B_2089	Ba4554-2	Be3130	Ca3179	Cd2288	Co2286
Line	328.068 {103}	308.215 {109}	189.042 {478}	208.959 {461}	455.403 { 74}2	313.042 {108}	317.933 {106}	228.802 {447}	228.616 {447}
IS Ref	(Y_3600)	(Y_3774)	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3774)	(Y_3774)	(Y_2243)	(In2306)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00128**	**.04448**	**.00246**	**.14466**	**.04693**	**-.00001**	**78.005**	**.00003**	**-.00007**
Stddev	.00009	.01949	.00189	.00088	.00003	.00001	.054	.00012	.00020
%RSD	7.1244	43.823	76.919	.60935	.06766	94.624	.06874	337.86	283.81
#1	-.00121	.03070	.00112	.14529	.04691	-.00002	77.967	.00012	-.00021
#2	-.00134	.05826	.00380	.14404	.04695	.00000	78.043	-.00005	.00007
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Cr2677	Cu3247	Fe2599	K_7664	K_7664-2	Li6707	Mg2790	Mn2576	Mo2020
Line	267.716 {126}	324.754 {104}	259.940 {130}	766.490 { 44}	766.490 { 44}2	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}
IS Ref	(Y_3600)	(Y_3600)	(Y_3774)	(Y_3774)	(Y_3774)	(Y_3774)	(Y_3600)	(Y_3600)	(Y_2243)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00063**	**.00116**	**.15974**	**2.3252**	**2.3601**	**.01703**	**56.559**	**.00308**	**.00153**
Stddev	.00088	.00030	.00025	.0044	.0086	.00082	.019	.00010	.00007
%RSD	138.87	25.587	.15954	.18780	.36464	4.8440	.03296	3.1772	4.5877
#1	.00125	.00137	.15956	2.3283	2.3662	.01761	56.572	.00302	.00148
#2	.00001	.00095	.15992	2.3221	2.3540	.01644	56.546	.00315	.00158
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Na5895	Ni2316	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899	Sr4077
Line	589.592 { 57}	231.604 {446}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}2	189.989 {477}	407.771 { 83}
IS Ref	(Y_3774)	(In2306)	(In2306)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3774)	(In2306)	(Y_3774)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**8.0753**	**.00021**	**-.00090**	**14.82**	**-.00185**	**-.00350**	**10.068**	**-.00105**	**.58800**
Stddev	.0012	.00013	.00104	.08	.00321	.00107	.021	.00041	.00142
%RSD	.01433	58.573	114.90	.5224	174.06	30.685	.20415	39.316	.24071
#1	8.0762	.00013	-.00164	14.87	.00043	-.00426	10.083	-.00076	.58901
#2	8.0745	.00030	-.00017	14.76	-.00412	-.00274	10.054	-.00134	.58700
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Ti3349	Tl1908	V_2924	Zn2062
Line	334.904 {101}	190.856 {477}	292.402 {115}	206.200 {163}
IS Ref	(Y_3600)	(In2306)	(Y_3600)	(Y_3600)
Units	ppm	ppm	ppm	ppm
Avg	**.00094**	**.00115**	**.00154**	**-.00026**
Stddev	.00030	.00104	.00080	.00073
%RSD	31.678	90.155	51.825	283.94
#1	.00116	.00189	.00210	-.00077
#2	.00073	.00042	.00097	.00026
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				
Low Limit				

Int. Std.	In2306	Y_2243	Y_3600	Y_3774
Line	230.606 {446}	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**1867.3**	**2735.6**	**24167.**	**4535.7**
Stddev	3.9	6.0	13.	7.4
%RSD	.20766	.21829	.05226	.16416
#1	1864.5	2731.4	24176.	4540.9
#2	1870.0	2739.8	24158.	4530.4

Sample Name: 480-18219-K-6-A Acquired: 4/9/2012 17:33:14 Type: Unk
Method: ICAP1(v262) Mode: CONC Corr. Factor: 1.000000
User: MDM Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	B_2089	Ba4554-2	Be3130	Ca3179	Cd2288	Co2286
Line	328.068 {103}	308.215 {109}	189.042 {478}	208.959 {461}	455.403 { 74}2	313.042 {108}	317.933 {106}	228.802 {447}	228.616 {447}
IS Ref	(Y_3600)	(Y_3774)	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3774)	(Y_3774)	(Y_2243)	(In2306)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00249**	**.06934**	**.08793**	**.51525**	**.00195**	**.00008**	**207.04**	**.00078**	**.01482**
Stddev	.00015	.06075	.00003	.00347	.00004	.00006	.42	.00009	.00004
%RSD	6.0179	87.615	.02879	.67295	1.8351	73.208	.20272	11.086	.28864
#1	-.00260	.11229	.08791	.51771	.00197	.00004	207.33	.00072	.01479
#2	-.00239	.02638	.08795	.51280	.00192	.00012	206.74	.00084	.01485
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Cr2677	Cu3247	Fe2599	K_7664	K_7664-2	Li6707	Mg2790	Mn2576	Mo2020
Line	267.716 {126}	324.754 {104}	259.940 {130}	766.490 { 44}	766.490 { 44}2	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}
IS Ref	(Y_3600)	(Y_3600)	(Y_3774)	(Y_3774)	(Y_3774)	(Y_3774)	(Y_3600)	(Y_3600)	(Y_2243)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00143**	**.00745**	**.24858**	**6.5687**	**11.363**	**.06335**	**232.61**	**3.3167**	**.03838**
Stddev	.00077	.00028	.00010	.0395	.210	.00033	.45	.0086	.00063
%RSD	54.003	3.7651	.04012	.60131	1.8462	.52519	.19439	.25926	1.6289
#1	.00197	.00725	.24865	6.5408	11.511	.06311	232.29	3.3106	.03882
#2	.00088	.00765	.24851	6.5967	11.214	.06359	232.92	3.3228	.03794
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Na8183	Ni2316	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899	Sr4077
Line	818.326 { 41}	231.604 {446}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}2	189.989 {477}	407.771 { 83}
IS Ref	(Y_3774)	(In2306)	(In2306)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3774)	(In2306)	(Y_3774)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**791.81**	**.05363**	**.00470**	F **845.9**	**-.00152**	**-.00414**	**23.765**	**-.00068**	**.20417**
Stddev	.03	.00029	.00051	7.0	.00042	.00281	.021	.00001	.00049
%RSD	.00351	.53813	10.752	.8245	27.622	67.972	.08884	1.8857	.24057
#1	791.79	.05342	.00506	850.8	-.00181	-.00613	23.750	-.00067	.20451
#2	791.83	.05383	.00434	841.0	-.00122	-.00215	23.780	-.00069	.20382
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				25.00					
Low Limit				-.0100					

Elem	Ti3349	Tl1908	V_2924	Zn2062
Line	334.904 {101}	190.856 {477}	292.402 {115}	206.200 {163}
IS Ref	(Y_3600)	(In2306)	(Y_3600)	(Y_3600)
Units	ppm	ppm	ppm	ppm
Avg	**.00224**	**.00330**	**.00720**	**-.00031**
Stddev	.00027	.00093	.00000	.00141
%RSD	12.134	28.129	.05632	459.84
#1	.00205	.00396	.00719	-.00131
#2	.00244	.00265	.00720	.00069
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				
Low Limit				

Int. Std.	In2306	Y_2243	Y_3600	Y_3774
Line	230.606 {446}	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**1559.2**	**2525.1**	**21831.**	**4376.9**
Stddev	3.3	3.5	71.	13.3
%RSD	.21136	.13811	.32333	.30351
#1	1556.9	2522.6	21881.	4367.5
#2	1561.5	2527.5	21781.	4386.3

Sample Name: 480-18219-K-7-A Acquired: 4/9/2012 17:35:44 Type: Unk
Method: ICAP1(v262) Mode: CONC Corr. Factor: 1.000000
User: MDM Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	B_2089	Ba4554-2	Be3130	Ca3179	Cd2288	Co2286
Line	328.068 {103}	308.215 {109}	189.042 {478}	208.959 {461}	455.403 { 74}2	313.042 {108}	317.933 {106}	228.802 {447}	228.616 {447}
IS Ref	(Y_3600)	(Y_3774)	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3774)	(Y_3774)	(Y_2243)	(In2306)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00168**	**.03620**	**.00006**	**.06139**	**.04062**	**-.00005**	**170.99**	**.00032**	**.00102**
Stddev	.00034	.00617	.00076	.00092	.00010	.00001	1.83	.00026	.00004
%RSD	20.441	17.046	1299.0	1.4964	.25843	26.834	1.0686	81.652	3.6331
#1	-.00143	.03184	-.00048	.06204	.04055	-.00004	172.28	.00050	.00105
#2	-.00192	.04057	.00060	.06074	.04070	-.00006	169.70	.00013	.00100
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Cr2677	Cu3247	Fe2599	K_7664	K_7664-2	Li6707	Mg2790	Mn2576	Mo2020
Line	267.716 {126}	324.754 {104}	259.940 {130}	766.490 { 44}	766.490 { 44}2	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}
IS Ref	(Y_3600)	(Y_3600)	(Y_3774)	(Y_3774)	(Y_3774)	(Y_3774)	(Y_3600)	(Y_3600)	(Y_2243)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00104**	**.00083**	**.85953**	**2.5643**	**2.9535**	**.02685**	**103.99**	**.13232**	**.00430**
Stddev	.00059	.00026	.02696	.0006	.0180	.00088	.20	.00006	.00001
%RSD	56.712	31.215	3.1371	.02475	.60797	3.2727	.19534	.04328	.23393
#1	.00145	.00101	.87860	2.5648	2.9662	.02747	103.85	.13236	.00429
#2	.00062	.00065	.84046	2.5639	2.9408	.02623	104.14	.13228	.00431
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Na5895	Ni2316	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899	Sr4077
Line	589.592 { 57}	231.604 {446}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}2	189.989 {477}	407.771 { 83}
IS Ref	(Y_3774)	(In2306)	(In2306)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3774)	(In2306)	(Y_3774)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**25.729**	**.00290**	**.00205**	F **117.5**	**-.00088**	**-.00200**	**7.3871**	**-.00117**	**.24040**
Stddev	.179	.00033	.00008	.8	.00041	.00335	.0193	.00029	.00113
%RSD	.69386	11.234	4.0395	.6745	46.809	167.61	.26182	24.778	.46798
#1	25.855	.00314	.00199	118.0	-.00059	.00037	7.4008	-.00138	.24120
#2	25.603	.00267	.00211	116.9	-.00117	-.00436	7.3734	-.00097	.23961
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				25.00					
Low Limit				-.0100					

Elem	Ti3349	Tl1908	V_2924	Zn2062
Line	334.904 {101}	190.856 {477}	292.402 {115}	206.200 {163}
IS Ref	(Y_3600)	(In2306)	(Y_3600)	(Y_3600)
Units	ppm	ppm	ppm	ppm
Avg	**.00140**	**.00025**	**.00249**	**.00024**
Stddev	.00058	.00305	.00001	.00109
%RSD	40.992	1211.9	.53507	451.09
#1	.00181	.00241	.00248	-.00053
#2	.00100	-.00191	.00250	.00101
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				
Low Limit				

Int. Std.	In2306	Y_2243	Y_3600	Y_3774
Line	230.606 {446}	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**1784.3**	**2651.9**	**23564.**	**4495.0**
Stddev	.1	2.4	12.	32.2
%RSD	.00806	.09002	.05218	.71675
#1	1784.4	2650.2	23572.	4472.2
#2	1784.2	2653.6	23555.	4517.8

Sample Name: 480-18219-K-8-A Acquired: 4/9/2012 17:38:05 Type: Unk
Method: ICAP1(v262) Mode: CONC Corr. Factor: 1.000000
User: MDM Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	B_2089	Ba4554-2	Be3130	Ca3179	Cd2288	Co2286
Line	328.068 {103}	308.215 {109}	189.042 {478}	208.959 {461}	455.403 { 74}2	313.042 {108}	317.933 {106}	228.802 {447}	228.616 {447}
IS Ref	(Y_3600)	(Y_3774)	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3774)	(Y_3774)	(Y_2243)	(In2306)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00108**	**.05811**	**.02686**	**.22734**	**.01375**	**.00008**	**272.24**	**.00042**	**-.00038**
Stddev	.00108	.00214	.00117	.00034	.00003	.00005	.10	.00014	.00009
%RSD	100.08	3.6839	4.3502	.14937	.22041	70.542	.03826	31.971	22.926
#1	-.00031	.05963	.02603	.22758	.01372	.00011	272.32	.00052	-.00045
#2	-.00184	.05660	.02768	.22710	.01377	.00004	272.17	.00033	-.00032
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Cr2677	Cu3247	Fe2599	K_7664	K_7664-2	Li6707	Mg2790	Mn2576	Mo2020
Line	267.716 {126}	324.754 {104}	259.940 {130}	766.490 { 44}	766.490 { 44}2	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}
IS Ref	(Y_3600)	(Y_3600)	(Y_3774)	(Y_3774)	(Y_3774)	(Y_3774)	(Y_3600)	(Y_3600)	(Y_2243)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00088**	**.00116**	**6.8570**	**4.9103**	**6.1284**	**.06982**	**151.67**	**.07014**	**.01907**
Stddev	.00024	.00017	.0149	.0317	.0113	.00193	.31	.00014	.00007
%RSD	26.755	14.581	.21713	.64519	.18363	2.7593	.20399	.20446	.34870
#1	.00072	.00128	6.8675	4.9327	6.1204	.06846	151.45	.07003	.01912
#2	.00105	.00104	6.8465	4.8879	6.1363	.07118	151.89	.07024	.01902
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Na5895	Ni2316	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899	Sr4077
Line	589.592 { 57}	231.604 {446}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}2	189.989 {477}	407.771 { 83}
IS Ref	(Y_3774)	(In2306)	(In2306)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3774)	(In2306)	(Y_3774)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**39.737**	**.00099**	**.00163**	F **298.6**	**-.00214**	**-.00101**	**11.044**	**-.00140**	**1.0755**
Stddev	.097	.00155	.00087	1.0	.00053	.00555	.020	.00005	.0029
%RSD	.24394	156.50	53.140	.3266	24.987	547.40	.17812	3.8968	.26678
#1	39.805	.00209	.00102	299.3	-.00252	-.00494	11.057	-.00136	1.0775
#2	39.668	-.00011	.00225	297.9	-.00176	.00291	11.030	-.00144	1.0735
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				25.00					
Low Limit				-.0100					

Elem	Ti3349	Tl1908	V_2924	Zn2062
Line	334.904 {101}	190.856 {477}	292.402 {115}	206.200 {163}
IS Ref	(Y_3600)	(In2306)	(Y_3600)	(Y_3600)
Units	ppm	ppm	ppm	ppm
Avg	**.00183**	**.00309**	**.00163**	**.00125**
Stddev	.00033	.00157	.00055	.00099
%RSD	17.866	50.855	33.503	79.025
#1	.00160	.00421	.00124	.00055
#2	.00206	.00198	.00201	.00195
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				
Low Limit				

Int. Std.	In2306	Y_2243	Y_3600	Y_3774
Line	230.606 {446}	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**1721.1**	**2592.3**	**23092.**	**4456.2**
Stddev	.2	.6	33.	6.4
%RSD	.01212	.02391	.14276	.14353
#1	1721.2	2592.7	23115.	4451.7
#2	1720.9	2591.8	23068.	4460.8

Sample Name: 480-18217-D-1-A Acquired: 4/9/2012 17:40:26 Type: Unk
Method: ICAP1(v262) Mode: CONC Corr. Factor: 1.000000
User: MDM Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	B_2089	Ba4554-2	Be3130	Ca3179	Cd2288	Co2286
Line	328.068 {103}	308.215 {109}	189.042 {478}	208.959 {461}	455.403 { 74}2	313.042 {108}	317.933 {106}	228.802 {447}	228.616 {447}
IS Ref	(Y_3600)	(Y_3774)	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3774)	(Y_3774)	(Y_2243)	(In2306)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00139**	**.12657**	**.00033**	**.06898**	**.07931**	**-.00006**	**105.39**	**.00017**	**-.00017**
Stddev	.00085	.00381	.00168	.00111	.00056	.00007	.85	.00018	.00032
%RSD	60.862	3.0128	508.76	1.6123	.70588	122.58	.81106	110.05	184.96
#1	-.00199	.12388	.00152	.06977	.07891	-.00010	104.79	.00004	-.00040
#2	-.00079	.12927	-.00086	.06820	.07970	-.00001	106.00	.00029	.00005
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Cr2677	Cu3247	Fe2599	K_7664	K_7664-2	Li6707	Mg2790	Mn2576	Mo2020
Line	267.716 {126}	324.754 {104}	259.940 {130}	766.490 { 44}	766.490 { 44}2	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}
IS Ref	(Y_3600)	(Y_3600)	(Y_3774)	(Y_3774)	(Y_3774)	(Y_3774)	(Y_3600)	(Y_3600)	(Y_2243)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00049**	**.00146**	**3.7417**	**1.8630**	**1.9499**	**.01919**	**57.846**	**.05874**	**.00061**
Stddev	.00096	.00038	.0203	.0270	.0015	.00100	.272	.00016	.00030
%RSD	197.26	25.961	.54129	1.4470	.07774	5.2339	.47052	.26776	49.465
#1	-.00019	.00173	3.7274	1.8820	1.9510	.01848	57.654	.05863	.00040
#2	.00116	.00119	3.7560	1.8439	1.9488	.01990	58.039	.05885	.00082
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Na5895	Ni2316	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899	Sr4077
Line	589.592 { 57}	231.604 {446}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}2	189.989 {477}	407.771 { 83}
IS Ref	(Y_3774)	(In2306)	(In2306)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3774)	(In2306)	(Y_3774)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**9.9055**	**.00076**	**.00031**	**24.33**	**-.00082**	**-.00124**	**8.7446**	**-.00078**	**.23121**
Stddev	.0640	.00004	.00064	.18	.00111	.00202	.0332	.00057	.00094
%RSD	.64619	4.9623	210.47	.7257	135.64	163.31	.37934	72.849	.40655
#1	9.8602	.00078	-.00015	24.45	-.00003	-.00266	8.7212	-.00038	.23055
#2	9.9507	.00073	.00076	24.20	-.00160	.00019	8.7681	-.00119	.23187
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Ti3349	Tl1908	V_2924	Zn2062
Line	334.904 {101}	190.856 {477}	292.402 {115}	206.200 {163}
IS Ref	(Y_3600)	(In2306)	(Y_3600)	(Y_3600)
Units	ppm	ppm	ppm	ppm
Avg	**.00542**	**-.00165**	**.00174**	**.00292**
Stddev	.00305	.00199	.00108	.00062
%RSD	56.179	120.64	61.871	21.190
#1	.00758	-.00305	.00098	.00249
#2	.00327	-.00024	.00250	.00336
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				
Low Limit				

Int. Std.	In2306	Y_2243	Y_3600	Y_3774
Line	230.606 {446}	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**1852.3**	**2710.3**	**24081.**	**4508.7**
Stddev	.5	10.2	21.	15.8
%RSD	.02674	.37540	.08786	.35068
#1	1852.0	2703.1	24096.	4519.9
#2	1852.7	2717.5	24067.	4497.5

Sample Name: 480-18214-A-1-A Acquired: 4/9/2012 17:42:46 Type: Unk
Method: ICAP1(v262) Mode: CONC Corr. Factor: 1.000000
User: MDM Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	B_2089	Ba4554-2	Be3130	Ca3179	Cd2288	Co2286
Line	328.068 {103}	308.215 {109}	189.042 {478}	208.959 {461}	455.403 { 74}2	313.042 {108}	317.933 {106}	228.802 {447}	228.616 {447}
IS Ref	(Y_3600)	(Y_3774)	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3774)	(Y_3774)	(Y_2243)	(In2306)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00129**	**.00585**	**.00315**	**.20411**	**.03663**	**.00013**	**480.78**	**.00082**	**.00439**
Stddev	.00058	.01701	.00216	.00053	.00009	.00006	.38	.00015	.00051
%RSD	44.918	290.98	68.562	.25946	.24676	47.274	.07851	18.278	11.654
#1	-.00088	.01788	.00162	.20374	.03656	.00008	480.51	.00092	.00402
#2	-.00169	-.00618	.00467	.20449	.03669	.00017	481.05	.00071	.00475
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Cr2677	Cu3247	Fe2599	K_7664	K_7664-2	Li6707	Mg2790	Mn2576	Mo2020
Line	267.716 {126}	324.754 {104}	259.940 {130}	766.490 { 44}	766.490 { 44}2	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}
IS Ref	(Y_3600)	(Y_3600)	(Y_3774)	(Y_3774)	(Y_3774)	(Y_3774)	(Y_3600)	(Y_3600)	(Y_2243)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00145**	**.00464**	**.42028**	**2.7670**	**3.8085**	**.00708**	**116.52**	**.39284**	**.00460**
Stddev	.00020	.00019	.00541	.0358	.0117	.00012	.07	.00066	.00048
%RSD	13.677	4.1990	1.2880	1.2949	.30703	1.6325	.05717	.16720	10.492
#1	.00131	.00478	.41645	2.7416	3.8003	.00716	116.57	.39331	.00494
#2	.00159	.00451	.42411	2.7923	3.8168	.00700	116.48	.39238	.00426
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Na8183	Ni2316	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899	Sr4077
Line	818.326 { 41}	231.604 {446}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}2	189.989 {477}	407.771 { 83}
IS Ref	(Y_3774)	(In2306)	(In2306)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3774)	(In2306)	(Y_3774)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**76.753**	**.01607**	**-.00120**	F **355.3**	**-.00152**	**-.00198**	**5.1316**	**-.00107**	**9.3351**
Stddev	.113	.00093	.00392	2.0	.00327	.00218	.0634	.00050	.0124
%RSD	.14711	5.7789	327.34	.5571	215.05	110.27	1.2362	47.218	.13308
#1	76.833	.01672	.00157	356.7	.00079	-.00352	5.1765	-.00071	9.3439
#2	76.673	.01541	-.00397	353.9	-.00383	-.00044	5.0868	-.00142	9.3264
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				25.00					
Low Limit				-.0100					

Elem	Ti3349	Tl1908	V_2924	Zn2062
Line	334.904 {101}	190.856 {477}	292.402 {115}	206.200 {163}
IS Ref	(Y_3600)	(In2306)	(Y_3600)	(Y_3600)
Units	ppm	ppm	ppm	ppm
Avg	**.00331**	**-.00016**	**.00214**	**.00481**
Stddev	.00023	.00323	.00030	.00020
%RSD	6.9076	1987.1	13.903	4.2414
#1	.00315	.00212	.00193	.00467
#2	.00347	-.00244	.00234	.00496
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				
Low Limit				

Int. Std.	In2306	Y_2243	Y_3600	Y_3774
Line	230.606 {446}	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**1655.2**	**2543.6**	**22540.**	**4391.2**
Stddev	3.0	3.9	53.	9.1
%RSD	.17972	.15293	.23452	.20747
#1	1653.1	2540.8	22502.	4384.7
#2	1657.3	2546.3	22577.	4397.6

Sample Name: 480-18214-A-2-A Acquired: 4/9/2012 17:45:04 Type: Unk
Method: ICAP1(v262) Mode: CONC Corr. Factor: 1.000000
User: MDM Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	B_2089	Ba4554-2	Be3130	Ca3179	Cd2288	Co2286
Line	328.068 {103}	308.215 {109}	189.042 {478}	208.959 {461}	455.403 { 74}2	313.042 {108}	317.933 {106}	228.802 {447}	228.616 {447}
IS Ref	(Y_3600)	(Y_3774)	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3774)	(Y_3774)	(Y_2243)	(In2306)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00076**	**.08504**	**-.00097**	**1.0171**	**.18452**	**.00014**	**17.010**	**-.00011**	**-.00001**
Stddev	.00012	.05355	.00079	.0046	.00071	.00010	.042	.00004	.00018
%RSD	15.246	62.970	81.581	.45531	.38377	70.453	.24610	36.837	3292.3
#1	-.00084	.04717	-.00152	1.0204	.18502	.00021	16.980	-.00008	.00012
#2	-.00068	.12290	-.00041	1.0138	.18401	.00007	17.039	-.00014	-.00013
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Cr2677	Cu3247	Fe2599	K_7664	K_7664-2	Li6707	Mg2790	Mn2576	Mo2020
Line	267.716 {126}	324.754 {104}	259.940 {130}	766.490 { 44}	766.490 { 44}2	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}
IS Ref	(Y_3600)	(Y_3600)	(Y_3774)	(Y_3774)	(Y_3774)	(Y_3774)	(Y_3600)	(Y_3600)	(Y_2243)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00015**	**.00037**	**.17331**	**1.3344**	**1.3509**	**.00505**	**5.6942**	**.02820**	**.09131**
Stddev	.00000	.00050	.00425	.0401	.0104	.00004	.0246	.00028	.00044
%RSD	2.8302	137.59	2.4509	3.0077	.76987	.84703	.43225	.97569	.48562
#1	.00015	.00072	.17030	1.3628	1.3435	.00502	5.7116	.02840	.09162
#2	.00016	.00001	.17631	1.3061	1.3582	.00508	5.6768	.02801	.09100
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Na8183	Ni2316	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899	Sr4077
Line	818.326 { 41}	231.604 {446}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}2	189.989 {477}	407.771 { 83}
IS Ref	(Y_3774)	(In2306)	(In2306)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3774)	(In2306)	(Y_3774)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**52.721**	**.00042**	**.00281**	**.9511**	**.00168**	**-.00155**	**6.4278**	**-.00110**	**2.2577**
Stddev	.206	.00052	.00211	.0096	.00039	.00151	.0819	.00036	.0078
%RSD	.39030	124.97	75.260	1.010	22.997	97.495	1.2736	32.240	.34495
#1	52.575	.00005	.00430	.9579	.00195	-.00048	6.3699	-.00085	2.2632
#2	52.866	.00079	.00131	.9443	.00140	-.00262	6.4857	-.00135	2.2522
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Ti3349	Tl1908	V_2924	Zn2062
Line	334.904 {101}	190.856 {477}	292.402 {115}	206.200 {163}
IS Ref	(Y_3600)	(In2306)	(Y_3600)	(Y_3600)
Units	ppm	ppm	ppm	ppm
Avg	**.00025**	**.00118**	**.00113**	**.00012**
Stddev	.00011	.00022	.00013	.00055
%RSD	42.751	19.032	11.361	442.43
#1	.00018	.00102	.00104	-.00026
#2	.00033	.00134	.00122	.00051
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				
Low Limit				

Int. Std.	In2306	Y_2243	Y_3600	Y_3774
Line	230.606 {446}	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**1921.9**	**2784.5**	**24514.**	**4536.4**
Stddev	3.6	1.1	153.	27.7
%RSD	.18919	.04010	.62412	.60970
#1	1924.5	2785.3	24405.	4556.0
#2	1919.3	2783.8	24622.	4516.8

Sample Name: 480-18214-A-3-A Acquired: 4/9/2012 17:47:23 Type: Unk
Method: ICAP1(v262) Mode: CONC Corr. Factor: 1.000000
User: MDM Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	B_2089	Ba4554-2	Be3130	Ca3179	Cd2288	Co2286
Line	328.068 {103}	308.215 {109}	189.042 {478}	208.959 {461}	455.403 { 74}2	313.042 {108}	317.933 {106}	228.802 {447}	228.616 {447}
IS Ref	(Y_3600)	(Y_3774)	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3774)	(Y_3774)	(Y_2243)	(In2306)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00281**	**.00706**	**.00427**	**.15655**	**.04638**	**-.00003**	**227.83**	**.00023**	**.00035**
Stddev	.00048	.03639	.00282	.00114	.00019	.00008	.52	.00021	.00046
%RSD	17.113	515.09	66.114	.72686	.40843	245.19	.22769	94.567	131.67
#1	-.00315	.03279	.00227	.15735	.04652	-.00009	228.19	.00038	.00002
#2	-.00247	-.01867	.00626	.15574	.04625	.00002	227.46	.00007	.00067
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Cr2677	Cu3247	Fe2599	K_7664	K_7664-2	Li6707	Mg2790	Mn2576	Mo2020
Line	267.716 {126}	324.754 {104}	259.940 {130}	766.490 { 44}	766.490 { 44}2	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}
IS Ref	(Y_3600)	(Y_3600)	(Y_3774)	(Y_3774)	(Y_3774)	(Y_3774)	(Y_3600)	(Y_3600)	(Y_2243)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00033**	**.00129**	**8.5607**	**6.2061**	**7.0960**	**.00371**	**55.327**	**.45939**	**.00242**
Stddev	.00020	.00001	.0212	.0376	.0020	.00102	.012	.00059	.00029
%RSD	61.671	1.1469	.24804	.60599	.02880	27.419	.02088	.12824	12.138
#1	.00047	.00128	8.5757	6.2327	7.0945	.00443	55.335	.45980	.00263
#2	.00018	.00130	8.5457	6.1796	7.0974	.00299	55.319	.45897	.00221
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Na5895	Ni2316	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899	Sr4077
Line	589.592 { 57}	231.604 {446}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}2	189.989 {477}	407.771 { 83}
IS Ref	(Y_3774)	(In2306)	(In2306)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3774)	(In2306)	(Y_3774)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**19.019**	**.00186**	**-.00072**	F **137.7**	**-.00016**	**-.00215**	**4.6645**	**-.00121**	**2.6647**
Stddev	.008	.00102	.00103	.7	.00012	.00207	.0116	.00008	.0061
%RSD	.04207	54.952	142.12	.5033	74.250	96.338	.24935	6.8681	.22946
#1	19.024	.00258	-.00145	138.2	-.00024	-.00069	4.6563	-.00115	2.6690
#2	19.013	.00114	.00000	137.3	-.00008	-.00362	4.6727	-.00127	2.6604
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				25.00					
Low Limit				-.0100					

Elem	Ti3349	Tl1908	V_2924	Zn2062
Line	334.904 {101}	190.856 {477}	292.402 {115}	206.200 {163}
IS Ref	(Y_3600)	(In2306)	(Y_3600)	(Y_3600)
Units	ppm	ppm	ppm	ppm
Avg	**.00131**	**.00139**	**.00218**	**.00031**
Stddev	.00015	.00258	.00025	.00050
%RSD	11.616	185.64	11.579	163.16
#1	.00142	.00321	.00236	-.00005
#2	.00120	-.00043	.00200	.00067
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				
Low Limit				

Int. Std.	In2306	Y_2243	Y_3600	Y_3774
Line	230.606 {446}	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**1782.5**	**2639.8**	**23506.**	**4455.8**
Stddev	1.1	11.6	71.	10.3
%RSD	.06240	.43809	.30089	.23053
#1	1781.7	2631.6	23456.	4448.5
#2	1783.3	2648.0	23556.	4463.0

Sample Name: CCV Acquired: 4/9/2012 17:49:43 Type: QC
Method: ICAP1(v262) Mode: CONC Corr. Factor: 1.000000
User: MDM Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	B_2089	Ba4554	Be3130	Ca3179	Cd2288	Co2286	Cr2677	Cu3247	Fe2599	K_7664
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.49560**	**23.650**	**.48441**	**.47179**	**.49802**	**.48985**	**24.014**	**.49182**	**.47709**	**.48429**	**.47067**	**24.967**	**23.765**
Stddev	.00292	.039	.00407	.00455	.00022	.00029	.065	.00358	.00194	.00091	.00225	.059	.055
%RSD	.58961	.16571	.84005	.96337	.04412	.05981	.27171	.72782	.40722	.18745	.47810	.23665	.23322
#1	.49354	23.623	.48729	.47501	.49786	.48964	23.968	.49435	.47846	.48364	.47226	24.925	23.726
#2	.49767	23.678	.48154	.46858	.49817	.49005	24.060	.48929	.47571	.48493	.46908	25.009	23.804
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value													
Range													

Elem	K_7664-2	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**22.703**	**.46700**	**25.073**	**.51481**	**.49730**	**23.503**	**.48840**	**.48931**	**24.71**	**.49245**	**.48725**	**23.395**	**.50544**
Stddev	.304	.00011	.038	.00262	.00415	.003	.00267	.00599	.15	.00410	.00061	.079	.00214
%RSD	1.3379	.02376	.14982	.50874	.83433	.01221	.54705	1.2248	.5986	.83315	.12503	.33725	.42431
#1	22.488	.46708	25.047	.51296	.50024	23.505	.49029	.49355	24.81	.49535	.48682	23.339	.50696
#2	22.918	.46692	25.100	.51666	.49437	23.501	.48652	.48507	24.60	.48955	.48768	23.450	.50392
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value													
Range													

Elem	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm
Avg	**.47476**	**.49707**	**.49235**	**.47910**	**.49758**
Stddev	.00077	.00073	.00645	.00075	.00103
%RSD	.16295	.14769	1.3110	.15701	.20772
#1	.47422	.49655	.49692	.47857	.49685
#2	.47531	.49758	.48779	.47963	.49831
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value					
Range					

Int. Std.	In2306	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**1886.1**	**2789.0**	**24447.**	**4510.0**
Stddev	3.7	8.4	77.	23.3
%RSD	.19454	.30275	.31297	.51729
#1	1883.5	2783.0	24501.	4526.5
#2	1888.7	2795.0	24393.	4493.5

Sample Name: CCB Acquired: 4/9/2012 17:52:00 Type: QC
Method: ICAP1(v262) Mode: CONC Corr. Factor: 1.000000
User: MDM Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	B_2089	Ba4554-2	Be3130	Ca3179	Cd2288	Co2286	Cr2677	Cu3247	Fe2599	K_7664
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00101**	**.02489**	**-.00107**	**-.00046**	**.00003**	**.00012**	**.00338**	**.00002**	**.00002**	**-.00089**	**.00018**	**.01538**	**.03266**
Stddev	.00003	.03536	.00172	.00008	.00001	.00019	.00170	.00029	.00004	.00008	.00046	.00532	.00166
%RSD	3.3140	142.07	161.67	18.255	27.252	166.96	50.180	1276.1	160.68	9.4502	260.28	34.614	5.0754
#1	-.00099	.04989	.00015	-.00052	.00003	.00025	.00218	.00023	.00000	-.00095	.00050	.01162	.03383
#2	-.00104	-.00011	-.00228	-.00040	.00004	-.00002	.00458	-.00018	.00005	-.00083	-.00015	.01915	.03149
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit													
Low Limit													

Elem	K_7664-2	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00427**	**.00057**	**.00919**	**-.00005**	**.00037**	**.00841**	**-.00009**	**-.00028**	F **.0124**	**-.00185**	**-.00309**	**-.02304**	**.00008**
Stddev	.00056	.00040	.00545	.00004	.00023	.00453	.00010	.00181	.0018	.00033	.00112	.02561	.00010
%RSD	13.054	70.606	59.313	70.873	61.376	53.941	121.24	645.79	14.19	18.114	36.282	111.18	120.48
#1	.00466	.00085	.00534	-.00008	.00053	.01161	-.00016	-.00156	.0137	-.00208	-.00230	-.00493	.00015
#2	.00387	.00028	.01305	-.00003	.00021	.00520	-.00001	.00100	.0112	-.00161	-.00388	-.04115	.00001
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									.0030				
Low Limit									-.0040				

Elem	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm
Avg	**.00011**	**-.00054**	**.00251**	**.00128**	**-.00027**
Stddev	.00005	.00048	.00320	.00028	.00037
%RSD	46.543	89.805	127.21	21.603	133.81
#1	.00014	-.00088	.00025	.00148	-.00001
#2	.00007	-.00020	.00477	.00109	-.00053
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Int. Std.	In2306	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**2022.2**	**2823.6**	**25087.**	**4483.0**
Stddev	1.5	3.8	103.	13.9
%RSD	.07427	.13546	.40971	.31083
#1	2021.1	2820.9	25160.	4492.9
#2	2023.2	2826.3	25014.	4473.2

Sample Name: 480-18214-A-5-A Acquired: 4/9/2012 17:54:23 Type: Unk
Method: ICAP1(v262) Mode: CONC Corr. Factor: 1.000000
User: MDM Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	B_2089	Ba4554-2	Be3130	Ca3179	Cd2288	Co2286
Line	328.068 {103}	308.215 {109}	189.042 {478}	208.959 {461}	455.403 { 74}2	313.042 {108}	317.933 {106}	228.802 {447}	228.616 {447}
IS Ref	(Y_3600)	(Y_3774)	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3774)	(Y_3774)	(Y_2243)	(In2306)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00120**	**.03510**	**.00468**	**.14487**	**.03827**	**.00016**	**356.97**	**.00047**	**.00055**
Stddev	.00127	.00452	.00341	.00225	.00012	.00001	.87	.00020	.00030
%RSD	105.82	12.879	72.784	1.5540	.30744	3.5219	.24317	43.619	54.400
#1	-.00030	.03191	.00227	.14646	.03836	.00017	356.36	.00032	.00076
#2	-.00210	.03830	.00709	.14328	.03819	.00016	357.59	.00061	.00034
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Cr2677	Cu3247	Fe2599	K_7664	K_7664-2	Li6707	Mg2790	Mn2576	Mo2020
Line	267.716 {126}	324.754 {104}	259.940 {130}	766.490 { 44}	766.490 { 44}2	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}
IS Ref	(Y_3600)	(Y_3600)	(Y_3774)	(Y_3774)	(Y_3774)	(Y_3774)	(Y_3600)	(Y_3600)	(Y_2243)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00017**	**.00150**	**13.189**	**15.887**	**18.999**	**.00847**	**58.552**	**.74117**	**.00094**
Stddev	.00065	.00076	.002	.063	.012	.00287	.219	.00312	.00044
%RSD	389.65	50.675	.01813	.39719	.06127	33.915	.37337	.42120	46.893
#1	.00063	.00096	13.190	15.842	19.007	.00644	58.707	.74338	.00063
#2	-.00029	.00204	13.187	15.932	18.991	.01050	58.398	.73897	.00125
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Na5895	Na8183	Ni2316	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899
Line	589.592 { 57}	818.326 { 41}	231.604 {446}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}2	189.989 {477}
IS Ref	(Y_3774)	(Y_3774)	(In2306)	(In2306)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3774)	(In2306)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**48.302**	**49.597**	**.00533**	**.00082**	F **232.4**	**-.00116**	**-.00009**	**6.8435**	**-.00178**
Stddev	.072	.280	.00072	.00068	1.3	.00001	.00033	.0627	.00054
%RSD	.14859	.56517	13.491	82.708	.5458	.51406	366.44	.91651	30.180
#1	48.251	49.399	.00583	.00034	233.3	-.00117	-.00032	6.7991	-.00216
#2	48.353	49.795	.00482	.00130	231.5	-.00116	.00014	6.8878	-.00140
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					25.00				
Low Limit					-.0100				

Elem	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
Line	407.771 { 83}	334.904 {101}	190.856 {477}	292.402 {115}	206.200 {163}
IS Ref	(Y_3774)	(Y_3600)	(In2306)	(Y_3600)	(Y_3600)
Units	ppm	ppm	ppm	ppm	ppm
Avg	**2.1164**	**.00251**	**.00092**	**.00219**	**.00289**
Stddev	.0069	.00010	.00182	.00064	.00100
%RSD	.32784	4.0458	197.58	29.194	34.569
#1	2.1115	.00244	-.00037	.00265	.00359
#2	2.1213	.00258	.00221	.00174	.00218
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Int. Std.	In2306	Y_2243	Y_3600	Y_3774
Line	230.606 {446}	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**1718.3**	**2600.9**	**22991.**	**4443.5**
Stddev	2.3	1.2	103.	18.1
%RSD	.13293	.04535	.44917	.40767
#1	1716.7	2600.1	22918.	4456.3
#2	1719.9	2601.7	23064.	4430.7

Sample Name: 480-18214-A-6-A Acquired: 4/9/2012 17:56:46 Type: Unk
Method: ICAP1(v262) Mode: CONC Corr. Factor: 1.000000
User: MDM Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	B_2089	Ba4554	Be3130	Ca3179	Cd2288	Co2286
Line	328.068 {103}	308.215 {109}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	317.933 {106}	228.802 {447}	228.616 {447}
IS Ref	(Y_3600)	(Y_3774)	(Y_2243)	(Y_2243)	(Y_3774)	(Y_3774)	(Y_3774)	(Y_2243)	(In2306)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00030**	**.04483**	**.00182**	**.91618**	**.80066**	**.00000**	**16.601**	**-.00016**	**.00009**
Stddev	.00062	.02766	.00004	.00603	.00118	.00009	.011	.00009	.00000
%RSD	202.07	61.693	2.1442	.65817	.14764	11991.	.06746	52.642	5.0023
#1	.00013	.02528	.00185	.92045	.80149	-.00006	16.609	-.00010	.00009
#2	-.00074	.06439	.00179	.91192	.79982	.00007	16.593	-.00022	.00009
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Cr2677	Cu3247	Fe2599	K_7664	K_7664-2	Li6707	Mg2790	Mn2576	Mo2020
Line	267.716 {126}	324.754 {104}	259.940 {130}	766.490 { 44}	766.490 { 44}2	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}
IS Ref	(Y_3600)	(Y_3600)	(Y_3774)	(Y_3774)	(Y_3774)	(Y_3774)	(Y_3600)	(Y_3600)	(Y_2243)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00001**	**.00061**	**.22814**	**1.0809**	**1.0946**	**.00563**	**6.4272**	**.00673**	**.07724**
Stddev	.00097	.00045	.00109	.0087	.0129	.00027	.0056	.00004	.00103
%RSD	11875.	73.277	.47713	.80303	1.1773	4.7706	.08740	.58460	1.3318
#1	.00069	.00029	.22737	1.0871	1.1037	.00582	6.4232	.00675	.07797
#2	-.00067	.00093	.22890	1.0748	1.0855	.00544	6.4312	.00670	.07651
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Na5895	Na8183	Ni2316	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899
Line	589.592 { 57}	818.326 { 41}	231.604 {446}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}2	189.989 {477}
IS Ref	(Y_3774)	(Y_3774)	(In2306)	(In2306)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3774)	(In2306)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**49.164**	**51.784**	**.00023**	**.00001**	**.1042**	**-.00001**	**-.00440**	**5.8942**	**-.00113**
Stddev	.006	.397	.00086	.00312	.0058	.00301	.00771	.0076	.00016
%RSD	.01301	.76647	377.34	41053.	5.533	21924.	175.14	.12882	13.892
#1	49.169	52.065	.00084	.00222	.1082	-.00214	.00105	5.8995	-.00102
#2	49.160	51.504	-.00038	-.00220	.1001	.00212	-.00986	5.8888	-.00124
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
Line	407.771 { 83}	334.904 {101}	190.856 {477}	292.402 {115}	206.200 {163}
IS Ref	(Y_3774)	(Y_3600)	(In2306)	(Y_3600)	(Y_3600)
Units	ppm	ppm	ppm	ppm	ppm
Avg	**2.7768**	**.00008**	**-.00007**	**.00112**	**.00030**
Stddev	.0012	.00059	.00391	.00031	.00055
%RSD	.04473	703.18	5733.5	27.368	183.41
#1	2.7759	.00050	-.00283	.00090	-.00009
#2	2.7777	-.00034	.00269	.00133	.00069
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Int. Std.	In2306	Y_2243	Y_3600	Y_3774
Line	230.606 {446}	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**1921.8**	**2779.7**	**24561.**	**4531.1**
Stddev	1.4	5.1	83.	37.2
%RSD	.07381	.18286	.33943	.82094
#1	1920.8	2783.3	24620.	4504.8
#2	1922.8	2776.1	24502.	4557.4

Sample Name: 480-17969-G-1-B Acquired: 4/9/2012 17:59:11 Type: Unk
Method: ICAP1(v262) Mode: CONC Corr. Factor: 1.000000
User: MDM Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	B_2089	Ba4554-2	Be3130	Ca3179	Cd2288	Co2286
Line	328.068 {103}	308.215 {109}	189.042 {478}	208.959 {461}	455.403 { 74}2	313.042 {108}	317.933 {106}	228.802 {447}	228.616 {447}
IS Ref	(Y_3600)	(Y_3774)	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3774)	(Y_3774)	(Y_2243)	(In2306)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00143**	**.02796**	**.00223**	**.02014**	**.13478**	**.00022**	**143.89**	**.00018**	**-.00003**
Stddev	.00038	.00666	.00151	.00013	.00076	.00002	.98	.00004	.00009
%RSD	26.252	23.823	67.803	.66180	.56642	9.6517	.68413	22.059	282.30
#1	-.00170	.02325	.00329	.02023	.13532	.00021	144.59	.00015	-.00009
#2	-.00116	.03267	.00116	.02004	.13424	.00024	143.19	.00020	.00003
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Cr2677	Cu3247	Fe2599	K_7664	K_7664-2	Li6707	Mg2790	Mn2576	Mo2020
Line	267.716 {126}	324.754 {104}	259.940 {130}	766.490 { 44}	766.490 { 44}2	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}
IS Ref	(Y_3600)	(Y_3600)	(Y_3774)	(Y_3774)	(Y_3774)	(Y_3774)	(Y_3600)	(Y_3600)	(Y_2243)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00159**	**.00074**	**.03134**	**2.8754**	**3.0190**	**.00844**	**43.835**	**.00427**	**.00023**
Stddev	.00040	.00032	.00137	.0694	.0551	.00063	.076	.00009	.00028
%RSD	25.462	43.388	4.3714	2.4141	1.8234	7.4239	.17270	2.0131	123.34
#1	.00130	.00051	.03037	2.9245	3.0579	.00799	43.888	.00421	.00043
#2	.00187	.00096	.03231	2.8263	2.9800	.00888	43.781	.00434	.00003
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Na5895	Ni2316	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899	Sr4077
Line	589.592 { 57}	231.604 {446}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}2	189.989 {477}	407.771 { 83}
IS Ref	(Y_3774)	(In2306)	(In2306)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3774)	(In2306)	(Y_3774)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**12.952**	**.00039**	**.00214**	**4.283**	**-.00104**	**-.00311**	**14.042**	**-.00120**	**.54551**
Stddev	.100	.00084	.00170	.022	.00112	.00140	.000	.00047	.00447
%RSD	.76976	216.63	79.716	.5044	107.95	44.854	.00092	39.227	.81907
#1	13.023	.00098	.00093	4.298	-.00183	-.00213	14.042	-.00154	.54867
#2	12.882	-.00021	.00334	4.267	-.00025	-.00410	14.042	-.00087	.54235
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Ti3349	Tl1908	V_2924	Zn2062
Line	334.904 {101}	190.856 {477}	292.402 {115}	206.200 {163}
IS Ref	(Y_3600)	(In2306)	(Y_3600)	(Y_3600)
Units	ppm	ppm	ppm	ppm
Avg	**.00095**	**.00117**	**.00099**	**-.00046**
Stddev	.00059	.00115	.00012	.00020
%RSD	61.997	97.748	11.680	42.537
#1	.00054	.00036	.00107	-.00032
#2	.00137	.00198	.00091	-.00060
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				
Low Limit				

Int. Std.	In2306	Y_2243	Y_3600	Y_3774
Line	230.606 {446}	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**1878.8**	**2747.2**	**23863.**	**4465.6**
Stddev	13.8	16.1	47.	12.3
%RSD	.73396	.58681	.19761	.27538
#1	1869.1	2735.8	23829.	4456.9
#2	1888.6	2758.6	23896.	4474.3

Sample Name: MB 480-58539/1-A Acquired: 4/9/2012 18:01:30 Type: Unk
Method: ICAP1(v262) Mode: CONC Corr. Factor: 1.000000
User: MDM Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	B_2089	Ba4554-2	Be3130	Ca3179	Cd2288	Co2286
Line	328.068 {103}	308.215 {109}	189.042 {478}	208.959 {461}	455.403 { 74}2	313.042 {108}	317.933 {106}	228.802 {447}	228.616 {447}
IS Ref	(Y_3600)	(Y_3774)	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3774)	(Y_3774)	(Y_2243)	(In2306)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00083**	**.01453**	**-.00051**	**-.00034**	**.00010**	**.00021**	**.04560**	**.00002**	**-.00003**
Stddev	.00005	.00772	.00265	.00000	.00001	.00003	.00495	.00003	.00007
%RSD	6.2358	53.131	524.39	.49282	13.568	15.527	10.860	129.76	218.34
#1	-.00086	.00907	.00137	-.00034	.00011	.00024	.04910	.00004	.00002
#2	-.00079	.01999	-.00238	-.00034	.00009	.00019	.04210	.00000	-.00008
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Cr2677	Cu3247	Fe2599	K_7664	K_7664-2	Li6707	Mg2790	Mn2576	Mo2020
Line	267.716 {126}	324.754 {104}	259.940 {130}	766.490 { 44}	766.490 { 44}2	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}
IS Ref	(Y_3600)	(Y_3600)	(Y_3774)	(Y_3774)	(Y_3774)	(Y_3774)	(Y_3600)	(Y_3600)	(Y_2243)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00083**	**.00096**	**.02954**	**.04278**	**.02712**	**.00022**	**.00629**	**.00046**	**.00002**
Stddev	.00007	.00032	.00214	.03744	.00022	.00072	.00090	.00008	.00011
%RSD	8.3551	33.493	7.2357	87.507	.82402	321.22	14.337	16.333	649.63
#1	.00088	.00074	.03105	.01631	.02696	-.00028	.00693	.00041	.00010
#2	.00078	.00119	.02802	.06926	.02728	.00073	.00565	.00052	-.00006
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Na5895	Ni2316	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899	Sr4077
Line	589.592 { 57}	231.604 {446}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}2	189.989 {477}	407.771 { 83}
IS Ref	(Y_3774)	(In2306)	(In2306)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3774)	(In2306)	(Y_3774)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.02478**	**.00035**	**-.00143**	F **.0160**	**.00219**	**-.00282**	**.16750**	F **.03562**	**.00013**
Stddev	.00324	.00080	.00144	.0015	.00086	.00161	.02182	.00124	.00014
%RSD	13.073	228.18	100.15	9.175	39.476	57.264	13.026	3.4721	106.95
#1	.02249	.00091	-.00042	.0170	.00280	-.00396	.15208	.03649	.00023
#2	.02707	-.00021	-.00245	.0150	.00158	-.00168	.18293	.03474	.00003
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass
High Limit				.0030				.01000	
Low Limit				-.0040				-.01000	

Elem	Ti3349	Tl1908	V_2924	Zn2062
Line	334.904 {101}	190.856 {477}	292.402 {115}	206.200 {163}
IS Ref	(Y_3600)	(In2306)	(Y_3600)	(Y_3600)
Units	ppm	ppm	ppm	ppm
Avg	**.00096**	**-.00126**	**.00126**	**.00111**
Stddev	.00072	.00084	.00023	.00033
%RSD	74.923	66.954	18.475	29.803
#1	.00045	-.00185	.00143	.00088
#2	.00147	-.00066	.00110	.00134
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				
Low Limit				

Int. Std.	In2306	Y_2243	Y_3600	Y_3774
Line	230.606 {446}	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**2026.5**	**2798.8**	**25609.**	**4734.9**
Stddev	1.0	4.1	116.	16.3
%RSD	.04984	.14568	.45198	.34440
#1	2025.8	2796.0	25527.	4746.4
#2	2027.3	2801.7	25691.	4723.3

Sample Name: LCSSRM 480-58539/2-A Acquired: 4/9/2012 18:03:50 Type: Unk
Method: ICAP1(v262) Mode: CONC Corr. Factor: 1.000000
User: MDM Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	B_2089	Ba4554	Be3130	Ca3179	Cd2288	Co2286
Line	328.068 {103}	308.215 {109}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	317.933 {106}	228.802 {447}	228.616 {447}
IS Ref	(Y_3600)	(Y_3774)	(Y_2243)	(Y_2243)	(Y_3774)	(Y_3774)	(Y_3774)	(Y_2243)	(In2306)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.44703**	**72.645**	**1.1424**	**.99563**	**2.1400**	**.93184**	**65.376**	**.83425**	**1.3730**
Stddev	.00025	.134	.0122	.00904	.0058	.00041	.079	.00900	.0189
%RSD	.05641	.18476	1.0669	.90844	.26972	.04348	.12014	1.0793	1.3769
#1	.44721	72.740	1.1510	1.0020	2.1440	.93213	65.432	.84062	1.3864
#2	.44685	72.550	1.1337	.98924	2.1359	.93155	65.321	.82788	1.3596
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Cr2677	Cu3247	Fe2714	K_7664	K_7664-2	Li6707	Mg2790	Mn2576	Mo2020
Line	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}	766.490 { 44}2	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}
IS Ref	(Y_3600)	(Y_3600)	(Y_3774)	(Y_3774)	(Y_3774)	(Y_3774)	(Y_3600)	(Y_3600)	(Y_2243)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.1784**	**1.2269**	**106.05**	**29.139**	**27.887**	**.07294**	**26.344**	**3.6197**	**.68055**
Stddev	.0073	.0000	.51	.089	.276	.00009	.005	.0048	.00755
%RSD	.62038	.00140	.48191	.30383	.98811	.12315	.01929	.13311	1.1094
#1	1.1733	1.2269	105.69	29.201	27.692	.07287	26.340	3.6231	.68589
#2	1.1836	1.2269	106.41	29.076	28.082	.07300	26.347	3.6163	.67521
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Na5895	Ni2316	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899	Sr4077
Line	589.592 { 57}	231.604 {446}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}2	189.989 {477}	407.771 { 83}
IS Ref	(Y_3774)	(In2306)	(In2306)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3774)	(In2306)	(Y_3774)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**3.6141**	**.77011**	**.84111**	**2.467**	**.95784**	**1.3464**	**29.187**	**1.4083**	**1.5744**
Stddev	.0011	.01510	.01405	.039	.01565	.0124	.285	.0207	.0066
%RSD	.03021	1.9605	1.6699	1.573	1.6344	.91715	.97781	1.4704	.41693
#1	3.6149	.78079	.85104	2.494	.96891	1.3551	29.389	1.4229	1.5791
#2	3.6133	.75944	.83118	2.439	.94677	1.3377	28.986	1.3936	1.5698
Check ?	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	None	Chk Pass	None
High Limit									
Low Limit									

Elem	Ti3349	Tl1908	V_2924	Zn2062
Line	334.904 {101}	190.856 {477}	292.402 {115}	206.200 {163}
IS Ref	(Y_3600)	(In2306)	(Y_3600)	(Y_3600)
Units	ppm	ppm	ppm	ppm
Avg	**2.9227**	**2.9370**	**.85844**	**2.8035**
Stddev	.0064	.0442	.00258	.0136
%RSD	.21881	1.5062	.30007	.48624
#1	2.9272	2.9683	.85662	2.7938
#2	2.9182	2.9057	.86026	2.8131
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				
Low Limit				

Int. Std.	In2306	Y_2243	Y_3600	Y_3774
Line	230.606 {446}	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**1819.4**	**2846.6**	**25401.**	**4939.4**
Stddev	6.2	2.7	21.	7.6
%RSD	.33829	.09631	.08402	.15345
#1	1815.1	2844.6	25416.	4934.0
#2	1823.8	2848.5	25386.	4944.7

Sample Name: 480-18223-A-1-A Acquired: 4/9/2012 18:06:10 Type: Unk
Method: ICAP1(v262) Mode: CONC Corr. Factor: 1.000000
User: MDM Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	B_2089	Ba4554	Be3130	Ca3179	Cd2288	Co2286
Line	328.068 {103}	308.215 {109}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	317.933 {106}	228.802 {447}	228.616 {447}
IS Ref	(Y_3600)	(Y_3774)	(Y_2243)	(Y_2243)	(Y_3774)	(Y_3774)	(Y_3774)	(Y_2243)	(In2306)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00244**	**52.780**	**.06651**	**.03707**	**.45120**	**.00251**	**67.851**	**.00281**	**.03213**
Stddev	.00082	.101	.00074	.00047	.00215	.00020	.106	.00001	.00027
%RSD	33.722	.19169	1.1168	1.2792	.47585	7.9890	.15617	.45352	.83477
#1	-.00302	52.708	.06598	.03741	.44968	.00266	67.776	.00280	.03232
#2	-.00186	52.851	.06703	.03674	.45272	.00237	67.926	.00282	.03194
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Cr2677	Cu3247	Fe2714	K_7664	K_7664-2	Li6707	Mg2790	Mn2576	Mo2020
Line	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}	766.490 { 44}2	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}
IS Ref	(Y_3600)	(Y_3600)	(Y_3774)	(Y_3774)	(Y_3774)	(Y_3774)	(Y_3600)	(Y_3600)	(Y_2243)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.11422**	**.29795**	**131.98**	**4.6680**	**4.5910**	**.04483**	**31.897**	**1.9002**	**.01103**
Stddev	.00113	.00162	.31	.0204	.0586	.00105	.040	.0046	.00026
%RSD	.99242	.54366	.23383	.43767	1.2767	2.3317	.12428	.24013	2.3572
#1	.11342	.29681	132.20	4.6824	4.5496	.04410	31.869	1.9034	.01085
#2	.11502	.29910	131.76	4.6535	4.6324	.04557	31.925	1.8969	.01121
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Na5895	Ni2316	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899	Sr4077
Line	589.592 { 57}	231.604 {446}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}2	189.989 {477}	407.771 { 83}
IS Ref	(Y_3774)	(In2306)	(In2306)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3774)	(In2306)	(Y_3774)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.36497**	**.13696**	**.46482**	**3.432**	**.00207**	**-.00432**	**22.194**	**.04657**	**.16534**
Stddev	.00265	.00122	.00460	.033	.00088	.00029	.157	.00001	.00081
%RSD	.72549	.88995	.98980	.9707	42.371	6.6382	.70911	.01436	.48837
#1	.36684	.13782	.46807	3.455	.00145	-.00412	22.306	.04658	.16477
#2	.36310	.13610	.46156	3.408	.00269	-.00452	22.083	.04657	.16591
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Ti3349	Tl1908	V_2924	Zn2062
Line	334.904 {101}	190.856 {477}	292.402 {115}	206.200 {163}
IS Ref	(Y_3600)	(In2306)	(Y_3600)	(Y_3600)
Units	ppm	ppm	ppm	ppm
Avg	**1.1307**	**-.00237**	**.16942**	**.56378**
Stddev	.0010	.00176	.00102	.00324
%RSD	.08820	74.302	.60170	.57410
#1	1.1314	-.00361	.16870	.56607
#2	1.1300	-.00112	.17014	.56149
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				
Low Limit				

Int. Std.	In2306	Y_2243	Y_3600	Y_3774
Line	230.606 {446}	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**1843.4**	**2797.8**	**25065.**	**4836.2**
Stddev	4.0	1.6	96.	7.1
%RSD	.21607	.05866	.38133	.14627
#1	1840.6	2796.6	24997.	4831.2
#2	1846.2	2798.9	25132.	4841.2

Sample Name: 480-18223-A-2-A Acquired: 4/9/2012 18:08:26 Type: Unk
Method: ICAP1(v262) Mode: CONC Corr. Factor: 1.000000
User: MDM Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	B_2089	Ba4554-2	Be3130	Ca3179	Cd2288	Co2286
Line	328.068 {103}	308.215 {109}	189.042 {478}	208.959 {461}	455.403 { 74}2	313.042 {108}	317.933 {106}	228.802 {447}	228.616 {447}
IS Ref	(Y_3600)	(Y_3774)	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3774)	(Y_3774)	(Y_2243)	(In2306)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00153**	**66.953**	**.06011**	**.02802**	**.34158**	**.00202**	**20.341**	**.00141**	**.02164**
Stddev	.00073	.613	.00002	.00031	.00000	.00013	.165	.00017	.00046
%RSD	47.772	.91581	.03695	1.0939	.00013	6.4251	.80940	12.193	2.1467
#1	-.00205	66.519	.06013	.02780	.34158	.00193	20.225	.00153	.02197
#2	-.00102	67.386	.06010	.02823	.34158	.00211	20.458	.00129	.02131
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Cr2677	Cu3247	Fe2714	K_7664	K_7664-2	Li6707	Mg2790	Mn2576	Mo2020
Line	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}	766.490 { 44}2	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}
IS Ref	(Y_3600)	(Y_3600)	(Y_3774)	(Y_3774)	(Y_3774)	(Y_3774)	(Y_3600)	(Y_3600)	(Y_2243)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.12795**	**.27184**	**124.32**	**4.2337**	**3.9471**	**.03067**	**7.9115**	**1.2937**	**.01361**
Stddev	.00151	.00165	1.03	.0634	.0387	.00038	.0182	.0037	.00018
%RSD	1.1815	.60647	.83093	1.4963	.97965	1.2362	.23043	.28432	1.3096
#1	.12902	.27301	123.59	4.1889	3.9198	.03040	7.9244	1.2963	.01373
#2	.12688	.27067	125.05	4.2785	3.9745	.03094	7.8986	1.2911	.01348
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Na5895	Ni2316	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899	Sr4077
Line	589.592 { 57}	231.604 {446}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}2	189.989 {477}	407.771 { 83}
IS Ref	(Y_3774)	(In2306)	(In2306)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3774)	(In2306)	(Y_3774)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.37048**	**.10752**	**.53421**	**1.713**	**.00052**	**-.00532**	**24.057**	**.05536**	**.10326**
Stddev	.00291	.00035	.00088	.023	.00191	.00015	.169	.00113	.00058
%RSD	.78517	.32516	.16408	1.335	363.87	2.8708	.70109	2.0499	.56110
#1	.37254	.10777	.53483	1.729	-.00082	-.00521	23.938	.05616	.10285
#2	.36842	.10727	.53359	1.697	.00187	-.00543	24.176	.05456	.10367
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Ti3349	Tl1908	V_2924	Zn2062
Line	334.904 {101}	190.856 {477}	292.402 {115}	206.200 {163}
IS Ref	(Y_3600)	(In2306)	(Y_3600)	(Y_3600)
Units	ppm	ppm	ppm	ppm
Avg	**1.2227**	**-.00362**	**.15776**	**.27773**
Stddev	.0022	.00311	.00086	.00065
%RSD	.17897	86.046	.54436	.23300
#1	1.2243	-.00582	.15715	.27727
#2	1.2212	-.00142	.15837	.27818
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				
Low Limit				

Int. Std.	In2306	Y_2243	Y_3600	Y_3774
Line	230.606 {446}	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**1893.3**	**2812.1**	**25213.**	**4806.4**
Stddev	2.4	3.5	88.	19.5
%RSD	.12463	.12292	.34970	.40535
#1	1891.6	2809.7	25151.	4820.2
#2	1894.9	2814.6	25275.	4792.7

Sample Name: 480-18223-A-3-A Acquired: 4/9/2012 18:10:44 Type: Unk
Method: ICAP1(v262) Mode: CONC Corr. Factor: 1.000000
User: MDM Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	B_2089	Ba4554-2	Be3130	Ca3179	Cd2288	Co2286
Line	328.068 {103}	308.215 {109}	189.042 {478}	208.959 {461}	455.403 { 74}2	313.042 {108}	317.933 {106}	228.802 {447}	228.616 {447}
IS Ref	(Y_3600)	(Y_3774)	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3774)	(Y_3774)	(Y_2243)	(In2306)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00186**	**65.740**	**.06912**	**.03250**	**.40751**	**.00219**	**61.771**	**.00190**	**.02606**
Stddev	.00018	.365	.00139	.00009	.00105	.00005	.374	.00005	.00044
%RSD	9.6409	.55557	2.0120	.28339	.25874	2.1566	.60594	2.8537	1.6691
#1	-.00174	65.482	.07010	.03257	.40676	.00215	61.507	.00194	.02637
#2	-.00199	65.998	.06814	.03244	.40825	.00222	62.036	.00186	.02576
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Cr2677	Cu3247	Fe2714	K_7664	K_7664-2	Li6707	Mg2790	Mn2576	Mo2020
Line	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}	766.490 { 44}2	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}
IS Ref	(Y_3600)	(Y_3600)	(Y_3774)	(Y_3774)	(Y_3774)	(Y_3774)	(Y_3600)	(Y_3600)	(Y_2243)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.13401**	**.25151**	**132.89**	**4.5249**	**4.4572**	**.03968**	**29.450**	**1.7910**	**.00940**
Stddev	.00057	.00035	.62	.0527	.0060	.00007	.046	.0024	.00000
%RSD	.42405	.14065	.46872	1.1655	.13490	.17556	.15491	.13097	.04385
#1	.13361	.25126	132.45	4.4877	4.4530	.03963	29.418	1.7893	.00940
#2	.13441	.25176	133.33	4.5622	4.4615	.03973	29.483	1.7926	.00941
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Na5895	Ni2316	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899	Sr4077
Line	589.592 { 57}	231.604 {446}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}2	189.989 {477}	407.771 { 83}
IS Ref	(Y_3774)	(In2306)	(In2306)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3774)	(In2306)	(Y_3774)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.40631**	**.11255**	**.40399**	**2.504**	**.00062**	**-.00189**	**21.762**	**.04331**	**.15784**
Stddev	.01110	.00093	.00571	.014	.00130	.00122	.089	.00132	.00059
%RSD	2.7325	.82367	1.4128	.5471	208.21	64.679	.40906	3.0368	.37502
#1	.39846	.11320	.40802	2.514	-.00029	-.00103	21.699	.04424	.15742
#2	.41416	.11189	.39995	2.495	.00154	-.00275	21.825	.04238	.15826
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Ti3349	Tl1908	V_2924	Zn2062
Line	334.904 {101}	190.856 {477}	292.402 {115}	206.200 {163}
IS Ref	(Y_3600)	(In2306)	(Y_3600)	(Y_3600)
Units	ppm	ppm	ppm	ppm
Avg	**1.2320**	**-.00332**	**.16915**	**.34313**
Stddev	.0117	.00426	.00197	.00128
%RSD	.94591	128.27	1.1625	.37287
#1	1.2237	-.00633	.16776	.34223
#2	1.2402	-.00031	.17054	.34404
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				
Low Limit				

Int. Std.	In2306	Y_2243	Y_3600	Y_3774
Line	230.606 {446}	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**1844.0**	**2790.5**	**24990.**	**4785.0**
Stddev	5.5	3.1	2.	11.3
%RSD	.29840	.10940	.00752	.23615
#1	1840.1	2788.3	24991.	4793.0
#2	1847.9	2792.6	24989.	4777.0

Sample Name: 480-18223-A-4-A Acquired: 4/9/2012 18:13:04 Type: Unk
Method: ICAP1(v262) Mode: CONC Corr. Factor: 1.000000
User: MDM Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	B_2089	Ba4554	Be3130	Ca3179	Cd2288	Co2286
Line	328.068 {103}	308.215 {109}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	317.933 {106}	228.802 {447}	228.616 {447}
IS Ref	(Y_3600)	(Y_3774)	(Y_2243)	(Y_2243)	(Y_3774)	(Y_3774)	(Y_3774)	(Y_2243)	(In2306)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00121**	**25.312**	**.17257**	**.03093**	**3.8954**	**.00267**	**144.82**	**.00550**	**.04298**
Stddev	.00051	.119	.00074	.00076	.0010	.00013	.34	.00006	.00035
%RSD	42.136	.46876	.42978	2.4573	.02611	4.9062	.23222	1.0013	.82496
#1	-.00157	25.228	.17309	.03147	3.8947	.00276	145.06	.00554	.04323
#2	-.00085	25.395	.17204	.03039	3.8961	.00258	144.58	.00546	.04273
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Cr2677	Cu3247	Fe2714	K_7664	K_7664-2	Li6707	Mg2790	Mn2576	Mo2020
Line	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}	766.490 { 44}2	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}
IS Ref	(Y_3600)	(Y_3600)	(Y_3774)	(Y_3774)	(Y_3774)	(Y_3774)	(Y_3600)	(Y_3600)	(Y_2243)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.22849**	**.39187**	**186.55**	**4.2859**	**4.5678**	**.03713**	**65.988**	**2.8527**	**.02786**
Stddev	.00026	.00122	.10	.0514	.0391	.00063	.463	.0143	.00049
%RSD	.11304	.31214	.05564	1.1992	.85535	1.6960	.70161	.50147	1.7510
#1	.22831	.39101	186.47	4.3222	4.5954	.03758	66.316	2.8628	.02820
#2	.22867	.39274	186.62	4.2496	4.5402	.03669	65.661	2.8425	.02751
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Na5895	Ni2316	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899	Sr4077
Line	589.592 { 57}	231.604 {446}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}2	189.989 {477}	407.771 { 83}
IS Ref	(Y_3774)	(In2306)	(In2306)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3774)	(In2306)	(Y_3774)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.37082**	**.21714**	**1.8832**	**6.632**	**.00772**	**-.00014**	**18.215**	**.06765**	**.29808**
Stddev	.00284	.00396	.0241	.080	.00055	.01068	.066	.00219	.00034
%RSD	.76560	1.8232	1.2794	1.207	7.1525	7541.3	.36270	3.2386	.11324
#1	.36881	.21994	1.9003	6.689	.00733	-.00769	18.262	.06920	.29832
#2	.37282	.21434	1.8662	6.575	.00811	.00741	18.168	.06610	.29784
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Ti3349	Tl1908	V_2924	Zn2062
Line	334.904 {101}	190.856 {477}	292.402 {115}	206.200 {163}
IS Ref	(Y_3600)	(In2306)	(Y_3600)	(Y_3600)
Units	ppm	ppm	ppm	ppm
Avg	**.89862**	**-.00200**	**.15502**	**1.3227**
Stddev	.00374	.00055	.00132	.0066
%RSD	.41601	27.769	.85117	.49757
#1	.90127	-.00239	.15408	1.3273
#2	.89598	-.00161	.15595	1.3180
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				
Low Limit				

Int. Std.	In2306	Y_2243	Y_3600	Y_3774
Line	230.606 {446}	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**1771.6**	**2718.4**	**24461.**	**4768.4**
Stddev	3.5	6.8	73.	6.5
%RSD	.19595	.25031	.30039	.13674
#1	1769.2	2713.6	24409.	4763.8
#2	1774.1	2723.3	24512.	4773.0

Sample Name: 480-18223-A-5-A Acquired: 4/9/2012 18:15:28 Type: Unk
Method: ICAP1(v262) Mode: CONC Corr. Factor: 1.000000
User: MDM Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	B_2089	Ba4554	Be3130	Ca3179	Cd2288	Co2286
Line	328.068 {103}	308.215 {109}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	317.933 {106}	228.802 {447}	228.616 {447}
IS Ref	(Y_3600)	(Y_3774)	(Y_2243)	(Y_2243)	(Y_3774)	(Y_3774)	(Y_3774)	(Y_2243)	(In2306)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00110**	**42.690**	**.14285**	**.03451**	**.64138**	**.00311**	**196.62**	**.00856**	**.04701**
Stddev	.00022	.414	.00062	.00067	.00271	.00012	1.36	.00012	.00067
%RSD	19.760	.97045	.43347	1.9338	.42315	3.8324	.69335	1.4375	1.4284
#1	-.00125	42.397	.14241	.03499	.63946	.00319	195.66	.00865	.04749
#2	-.00095	42.983	.14329	.03404	.64330	.00302	197.59	.00847	.04654
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Cr2677	Cu3247	Fe2714	K_7664	K_7664-2	Li6707	Mg2790	Mn2576	Mo2020
Line	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}	766.490 { 44}2	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}
IS Ref	(Y_3600)	(Y_3600)	(Y_3774)	(Y_3774)	(Y_3774)	(Y_3774)	(Y_3600)	(Y_3600)	(Y_2243)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.15251**	**.49202**	**240.51**	**5.4651**	**6.0962**	**.06963**	**85.499**	**7.9527**	**.01652**
Stddev	.00058	.00491	.87	.0251	.1056	.00051	.258	.0260	.00003
%RSD	.37808	.99706	.35974	.45912	1.7315	.72696	.30153	.32659	.16725
#1	.15210	.48856	239.89	5.4474	6.0216	.06927	85.682	7.9710	.01654
#2	.15292	.49549	241.12	5.4829	6.1709	.06999	85.317	7.9343	.01650
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Na5895	Ni2316	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899	Sr4077
Line	589.592 { 57}	231.604 {446}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}2	189.989 {477}	407.771 { 83}
IS Ref	(Y_3774)	(In2306)	(In2306)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3774)	(In2306)	(Y_3774)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.87351**	**.17850**	**3.1460**	**6.138**	**.01360**	**-.00226**	**22.233**	**.08756**	**.33061**
Stddev	.00776	.00297	.0314	.061	.00076	.00013	.176	.00011	.00178
%RSD	.88857	1.6651	.99760	.9952	5.5910	5.9092	.79113	.12074	.53742
#1	.86803	.18060	3.1682	6.181	.01414	-.00217	22.109	.08749	.32935
#2	.87900	.17640	3.1238	6.095	.01307	-.00236	22.358	.08764	.33186
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Ti3349	Tl1908	V_2924	Zn2062
Line	334.904 {101}	190.856 {477}	292.402 {115}	206.200 {163}
IS Ref	(Y_3600)	(In2306)	(Y_3600)	(Y_3600)
Units	ppm	ppm	ppm	ppm
Avg	**1.9909**	**-.00348**	**.18067**	**1.2500**
Stddev	.0014	.00059	.00063	.0018
%RSD	.07262	16.962	.34711	.14506
#1	1.9920	-.00307	.18022	1.2487
#2	1.9899	-.00390	.18111	1.2513
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				
Low Limit				

Int. Std.	In2306	Y_2243	Y_3600	Y_3774
Line	230.606 {446}	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**1709.3**	**2699.8**	**24245.**	**4759.1**
Stddev	3.4	12.4	21.	6.0
%RSD	.19918	.45908	.08696	.12635
#1	1706.9	2691.0	24230.	4763.4
#2	1711.8	2708.5	24260.	4754.8

Sample Name: CCV Acquired: 4/9/2012 18:17:45 Type: QC
Method: ICAP1(v262) Mode: CONC Corr. Factor: 1.000000
User: MDM Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	B_2089	Ba4554	Be3130	Ca3179	Cd2288	Co2286	Cr2677	Cu3247	Fe2599	K_7664
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.49564**	**23.680**	**.48447**	**.47948**	**.49734**	**.48608**	**23.613**	**.49578**	**.47450**	**.48209**	**.48123**	**24.666**	**23.632**
Stddev	.00093	.066	.00352	.00275	.00075	.00022	.131	.00295	.00269	.00121	.00043	.139	.075
%RSD	.18844	.27731	.72578	.57260	.15179	.04508	.55583	.59556	.56747	.25105	.08914	.56445	.31825
#1	.49498	23.633	.48198	.48142	.49787	.48624	23.706	.49787	.47640	.48295	.48154	24.765	23.685
#2	.49630	23.726	.48695	.47754	.49680	.48593	23.520	.49369	.47260	.48124	.48093	24.568	23.579
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value													
Range													

Elem	K_7664-2	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**23.368**	**.46894**	**24.989**	**.51161**	**.49948**	**23.418**	**.48873**	**.48322**	**24.93**	**.50072**	**.48309**	**23.164**	**.50396**
Stddev	.022	.00044	.058	.00226	.00298	.006	.00130	.00134	.10	.00471	.00343	.143	.00293
%RSD	.09482	.09464	.23032	.44223	.59605	.02730	.26537	.27726	.4141	.93999	.70959	.61713	.58170
#1	23.384	.46863	25.029	.51321	.50158	23.413	.48964	.48417	25.00	.50405	.48551	23.265	.50604
#2	23.353	.46925	24.948	.51001	.49737	23.422	.48781	.48228	24.85	.49739	.48067	23.063	.50189
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value													
Range													

Elem	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm
Avg	**.47363**	**.49827**	**.49365**	**.47960**	**.48566**
Stddev	.00009	.00049	.00487	.00192	.00136
%RSD	.01809	.09884	.98712	.40107	.27989
#1	.47357	.49862	.49710	.48096	.48662
#2	.47369	.49792	.49020	.47824	.48469
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value					
Range					

Int. Std.	In2306	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**1930.6**	**2837.5**	**25166.**	**4748.2**
Stddev	2.0	.4	16.	15.6
%RSD	.10612	.01423	.06245	.32797
#1	1932.1	2837.8	25155.	4737.2
#2	1929.2	2837.2	25177.	4759.3

Sample Name: CCB Acquired: 4/9/2012 18:20:02 Type: QC
Method: ICAP1(v262) Mode: CONC Corr. Factor: 1.000000
User: MDM Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	B_2089	Ba4554-2	Be3130	Ca3179	Cd2288	Co2286	Cr2677	Cu3247	Fe2599	K_7664
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00076**	**-.00584**	**-.00035**	**-.00121**	**.00005**	**-.00001**	**.00169**	**-.00023**	**.00005**	**-.00085**	**.00085**	**.00220**	**-.02117**
Stddev	.00050	.01448	.00232	.00030	.00003	.00018	.00105	.00004	.00017	.00018	.00077	.00752	.01365
%RSD	65.789	247.97	663.40	25.276	52.913	2459.5	61.923	16.904	317.28	20.719	91.373	341.62	64.457
#1	-.00041	-.01607	-.00199	-.00142	.00007	.00012	.00244	-.00020	-.00007	-.00073	.00139	.00752	-.03083
#2	-.00112	.00440	.00129	-.00099	.00003	-.00013	.00095	-.00026	.00018	-.00098	.00030	-.00312	-.01152
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit													
Low Limit													

Elem	K_7664-2	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00416**	**.00020**	**.00343**	**.00000**	**.00012**	**-.00981**	**-.00020**	**.00191**	F **.0033**	**-.00066**	**-.00472**	**-.00222**	**.00012**
Stddev	.00015	.00144	.00334	.0000	.00018	.00170	.00152	.00156	.0034	.00143	.00290	.01771	.00036
%RSD	3.4925	726.52	97.287	355.99	154.02	17.345	772.35	81.608	102.5	215.59	61.568	799.31	300.81
#1	.00406	-.00082	.00579	.00000	-.00001	-.00861	.00088	.00301	.0009	-.00167	-.00677	-.01474	-.00013
#2	.00427	.00122	.00107	.00000	.00025	-.01101	-.00127	.00081	.0057	.00035	-.00266	.01031	.00037
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									.0030				
Low Limit									-.0040				

Elem	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm
Avg	**.00010**	**.00003**	**-.00028**	**.00105**	**.00039**
Stddev	.00021	.00062	.00189	.00021	.00053
%RSD	217.83	2403.5	676.28	19.592	137.49
#1	.00025	-.00041	.00106	.00120	.00001
#2	-.00005	.00046	-.00161	.00091	.00077
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Int. Std.	In2306	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**2057.9**	**2847.2**	**25758.**	**4757.4**
Stddev	.1	5.2	13.	50.3
%RSD	.00679	.18392	.04942	1.0568
#1	2058.0	2843.5	25767.	4793.0
#2	2057.8	2850.9	25749.	4721.9

Sample Name: 480-18223-A-6-A Acquired: 4/9/2012 18:22:27 Type: Unk
Method: ICAP1(v262) Mode: CONC Corr. Factor: 1.000000
User: MDM Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	B_2089	Ba4554	Be3130	Ca3179	Cd2288	Co2286
Line	328.068 {103}	308.215 {109}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	317.933 {106}	228.802 {447}	228.616 {447}
IS Ref	(Y_3600)	(Y_3774)	(Y_2243)	(Y_2243)	(Y_3774)	(Y_3774)	(Y_3774)	(Y_2243)	(In2306)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00212**	**58.737**	**.10435**	**.04245**	**.57386**	**.00404**	**178.40**	**.00403**	**.03726**
Stddev	.00035	.286	.00058	.00039	.00166	.00012	1.35	.00023	.00017
%RSD	16.605	.48658	.55942	.92484	.29013	3.0291	.75443	5.5894	.46948
#1	-.00187	58.535	.10393	.04273	.57268	.00396	177.44	.00387	.03738
#2	-.00237	58.939	.10476	.04218	.57504	.00413	179.35	.00419	.03714
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Cr2677	Cu3247	Fe2714	K_7664	K_7664-2	Li6707	Mg2790	Mn2576	Mo2020
Line	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}	766.490 { 44}2	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}
IS Ref	(Y_3600)	(Y_3600)	(Y_3774)	(Y_3774)	(Y_3774)	(Y_3774)	(Y_3600)	(Y_3600)	(Y_2243)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.12922**	**.35411**	**210.61**	**6.4494**	**7.1289**	**.09531**	**72.515**	**12.175**	**.01084**
Stddev	.00030	.00032	1.38	.0267	.0160	.00068	.251	.042	.00037
%RSD	.22886	.09156	.65373	.41465	.22407	.71005	.34558	.34340	3.4488
#1	.12943	.35434	209.63	6.4305	7.1176	.09484	72.338	12.145	.01058
#2	.12902	.35388	211.58	6.4683	7.1402	.09579	72.693	12.204	.01110
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Na5895	Ni2316	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899	Sr4077
Line	589.592 { 57}	231.604 {446}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}2	189.989 {477}	407.771 { 83}
IS Ref	(Y_3774)	(In2306)	(In2306)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3774)	(In2306)	(Y_3774)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.1404**	**.15135**	**3.3791**	**4.641**	**.00340**	**-.00468**	**21.244**	**.07392**	**.41464**
Stddev	.0080	.00224	.0123	.021	.00097	.00164	.158	.00090	.00191
%RSD	.70082	1.4825	.36490	.4455	28.564	35.015	.74544	1.2207	.46130
#1	1.1347	.15294	3.3878	4.656	.00409	-.00584	21.132	.07455	.41328
#2	1.1460	.14977	3.3704	4.626	.00271	-.00352	21.356	.07328	.41599
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Ti3349	Tl1908	V_2924	Zn2062
Line	334.904 {101}	190.856 {477}	292.402 {115}	206.200 {163}
IS Ref	(Y_3600)	(In2306)	(Y_3600)	(Y_3600)
Units	ppm	ppm	ppm	ppm
Avg	**3.9193**	**-.00956**	**.15926**	**.81232**
Stddev	.0164	.00181	.00001	.00548
%RSD	.41878	18.891	.00733	.67462
#1	3.9077	-.01084	.15927	.80845
#2	3.9309	-.00828	.15926	.81620
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				
Low Limit				

Int. Std.	In2306	Y_2243	Y_3600	Y_3774
Line	230.606 {446}	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**1716.2**	**2709.4**	**24245.**	**4751.0**
Stddev	2.7	.1	7.	2.0
%RSD	.15991	.00534	.02829	.04260
#1	1714.3	2709.5	24250.	4752.5
#2	1718.2	2709.3	24241.	4749.6

Sample Name: 480-18223-A-7-A Acquired: 4/9/2012 18:24:41 Type: Unk
Method: ICAP1(v262) Mode: CONC Corr. Factor: 1.000000
User: MDM Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	B_2089	Ba4554-2	Be3130	Ca3179	Cd2288	Co2286
Line	328.068 {103}	308.215 {109}	189.042 {478}	208.959 {461}	455.403 { 74}2	313.042 {108}	317.933 {106}	228.802 {447}	228.616 {447}
IS Ref	(Y_3600)	(Y_3774)	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3774)	(Y_3774)	(Y_2243)	(In2306)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00115**	**50.432**	**.58589**	**.01950**	**.23343**	**.00224**	**15.858**	**.00019**	**.02433**
Stddev	.00052	.065	.00056	.00003	.00206	.00018	.082	.00011	.00036
%RSD	45.398	.12852	.09602	.15673	.88117	7.8420	.51873	56.048	1.4696
#1	-.00151	50.478	.58629	.01952	.23198	.00236	15.916	.00027	.02458
#2	-.00078	50.386	.58550	.01948	.23489	.00211	15.800	.00011	.02408
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Cr2677	Cu3247	Fe2714	K_7664	K_7664-2	Li6707	Mg2790	Mn2576	Mo2020
Line	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}	766.490 { 44}2	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}
IS Ref	(Y_3600)	(Y_3600)	(Y_3774)	(Y_3774)	(Y_3774)	(Y_3774)	(Y_3600)	(Y_3600)	(Y_2243)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.08938**	**.33475**	**133.55**	**4.3778**	**3.9488**	**.03050**	**7.1678**	**1.6659**	**.00511**
Stddev	.00006	.00135	.95	.0069	.0156	.00068	.0545	.0027	.00034
%RSD	.06303	.40358	.70937	.15664	.39459	2.2267	.76066	.16374	6.7173
#1	.08934	.33570	134.22	4.3729	3.9377	.03098	7.1292	1.6639	.00487
#2	.08942	.33379	132.88	4.3826	3.9598	.03002	7.2063	1.6678	.00535
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Na5895	Ni2316	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899	Sr4077
Line	589.592 { 57}	231.604 {446}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}2	189.989 {477}	407.771 { 83}
IS Ref	(Y_3774)	(In2306)	(In2306)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3774)	(In2306)	(Y_3774)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.46901**	**.08585**	**.60435**	**2.110**	**.00989**	**.00637**	**22.259**	**.07472**	**.08366**
Stddev	.00287	.00148	.00163	.005	.00390	.00623	.183	.00046	.00020
%RSD	.61214	1.7214	.26969	.2372	39.460	97.873	.82025	.61289	.23464
#1	.46698	.08690	.60550	2.113	.00713	.00196	22.389	.07505	.08353
#2	.47104	.08481	.60320	2.106	.01265	.01077	22.130	.07440	.08380
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Ti3349	Tl1908	V_2924	Zn2062
Line	334.904 {101}	190.856 {477}	292.402 {115}	206.200 {163}
IS Ref	(Y_3600)	(In2306)	(Y_3600)	(Y_3600)
Units	ppm	ppm	ppm	ppm
Avg	**1.0418**	**-.00432**	**.15475**	**.53602**
Stddev	.0076	.00139	.00028	.00193
%RSD	.72757	32.043	.18141	.35991
#1	1.0364	-.00334	.15495	.53465
#2	1.0471	-.00530	.15456	.53738
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				
Low Limit				

Int. Std.	In2306	Y_2243	Y_3600	Y_3774
Line	230.606 {446}	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**1903.2**	**2848.4**	**25458.**	**4825.8**
Stddev	3.1	1.7	60.	22.0
%RSD	.16345	.05984	.23470	.45512
#1	1901.0	2847.2	25416.	4810.2
#2	1905.4	2849.6	25500.	4841.3

Sample Name: 480-18223-A-8-A Acquired: 4/9/2012 18:26:58 Type: Unk
Method: ICAP1(v262) Mode: CONC Corr. Factor: 1.000000
User: MDM Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	B_2089	Ba4554-2	Be3130	Ca3179	Cd2288	Co2286
Line	328.068 {103}	308.215 {109}	189.042 {478}	208.959 {461}	455.403 { 74}2	313.042 {108}	317.933 {106}	228.802 {447}	228.616 {447}
IS Ref	(Y_3600)	(Y_3774)	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3774)	(Y_3774)	(Y_2243)	(In2306)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00233**	**56.467**	**.13518**	**.01857**	**.21885**	**.00260**	**7.5601**	**.00064**	**.02344**
Stddev	.00234	.334	.00437	.00039	.00003	.00004	.0237	.00017	.00025
%RSD	100.43	.59109	3.2350	2.0939	.01534	1.6843	.31311	26.374	1.0665
#1	-.00067	56.231	.13827	.01884	.21888	.00257	7.5433	.00052	.02362
#2	-.00398	56.703	.13209	.01829	.21883	.00263	7.5768	.00076	.02326
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Cr2677	Cu3247	Fe2714	K_7664	K_7664-2	Li6707	Mg2790	Mn2576	Mo2020
Line	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}	766.490 { 44}2	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}
IS Ref	(Y_3600)	(Y_3600)	(Y_3774)	(Y_3774)	(Y_3774)	(Y_3774)	(Y_3600)	(Y_3600)	(Y_2243)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.07592**	**.26872**	**114.82**	**4.9977**	**4.5006**	**.03460**	**7.3898**	**1.3024**	**.00417**
Stddev	.00088	.00031	.58	.0186	.0605	.00031	.0093	.0007	.00026
%RSD	1.1548	.11631	.50390	.37284	1.3450	.89580	.12531	.05552	6.3504
#1	.07654	.26850	114.41	4.9845	4.4578	.03438	7.3964	1.3029	.00436
#2	.07530	.26894	115.23	5.0109	4.5434	.03482	7.3833	1.3019	.00398
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Na5895	Ni2316	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899	Sr4077
Line	589.592 { 57}	231.604 {446}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}2	189.989 {477}	407.771 { 83}
IS Ref	(Y_3774)	(In2306)	(In2306)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3774)	(In2306)	(Y_3774)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.39992**	**.06898**	**.28263**	**1.549**	**.00272**	**-.00264**	**22.930**	**.05182**	**.06970**
Stddev	.00046	.00022	.00035	.005	.00314	.00508	.226	.00072	.00014
%RSD	.11501	.31319	.12319	.3197	115.44	192.45	.98561	1.3825	.19478
#1	.39960	.06913	.28239	1.553	.00495	-.00623	22.770	.05233	.06961
#2	.40025	.06882	.28288	1.546	.00050	.00095	23.090	.05131	.06980
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Ti3349	Tl1908	V_2924	Zn2062
Line	334.904 {101}	190.856 {477}	292.402 {115}	206.200 {163}
IS Ref	(Y_3600)	(In2306)	(Y_3600)	(Y_3600)
Units	ppm	ppm	ppm	ppm
Avg	**1.2721**	**-.00358**	**.14460**	**.22114**
Stddev	.0000	.00072	.00037	.00170
%RSD	.00055	20.123	.25686	.77037
#1	1.2721	-.00409	.14434	.22234
#2	1.2721	-.00307	.14487	.21993
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				
Low Limit				

Int. Std.	In2306	Y_2243	Y_3600	Y_3774
Line	230.606 {446}	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**1906.8**	**2861.9**	**25503.**	**4818.7**
Stddev	4.8	2.2	17.	33.3
%RSD	.25261	.07649	.06725	.69013
#1	1903.4	2863.4	25491.	4842.2
#2	1910.2	2860.3	25515.	4795.1

Sample Name: 480-18223-A-9-A Acquired: 4/9/2012 18:29:14 Type: Unk
Method: ICAP1(v262) Mode: CONC Corr. Factor: 1.000000
User: MDM Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	B_2089	Ba4554	Be3130	Ca3179	Cd2288	Co2286
Line	328.068 {103}	308.215 {109}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	317.933 {106}	228.802 {447}	228.616 {447}
IS Ref	(Y_3600)	(Y_3774)	(Y_2243)	(Y_2243)	(Y_3774)	(Y_3774)	(Y_3774)	(Y_2243)	(In2306)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00162**	**20.619**	**.18905**	**.04491**	**1.0622**	**.00348**	**17.269**	**-.00017**	**.02926**
Stddev	.00003	.137	.00119	.00005	.0053	.00011	.096	.00021	.00002
%RSD	2.0323	.66638	.63199	.11001	.49512	3.1487	.55531	128.81	.07746
#1	-.00164	20.522	.18990	.04494	1.0585	.00356	17.201	-.00032	.02924
#2	-.00160	20.716	.18821	.04487	1.0659	.00340	17.337	-.00001	.02928
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Cr2677	Cu3247	Fe2714	K_7664	K_7664-2	Li6707	Mg2790	Mn2576	Mo2020
Line	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}	766.490 { 44}2	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}
IS Ref	(Y_3600)	(Y_3600)	(Y_3774)	(Y_3774)	(Y_3774)	(Y_3774)	(Y_3600)	(Y_3600)	(Y_2243)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.05079**	**.22083**	**111.33**	**2.8311**	**2.4743**	**.01834**	**2.4593**	**.30736**	**.02694**
Stddev	.00035	.00006	1.06	.0131	.0176	.00041	.0075	.00207	.00014
%RSD	.69357	.02869	.95006	.46320	.71281	2.2156	.30411	.67230	.53487
#1	.05054	.22088	110.58	2.8218	2.4868	.01806	2.4646	.30590	.02704
#2	.05104	.22079	112.08	2.8403	2.4618	.01863	2.4540	.30882	.02684
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Na5895	Ni2316	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899	Sr4077
Line	589.592 { 57}	231.604 {446}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}2	189.989 {477}	407.771 { 83}
IS Ref	(Y_3774)	(In2306)	(In2306)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3774)	(In2306)	(Y_3774)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.50784**	**.07304**	**.24344**	**7.265**	**.00756**	**.00713**	**13.794**	**.04778**	**.20734**
Stddev	.00100	.00097	.00293	.050	.00260	.00334	.043	.00106	.00169
%RSD	.19646	1.3286	1.2027	.6943	34.350	46.883	.30842	2.2140	.81374
#1	.50855	.07372	.24551	7.301	.00940	.00950	13.764	.04852	.20614
#2	.50713	.07235	.24137	7.229	.00573	.00477	13.824	.04703	.20853
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Ti3349	Tl1908	V_2924	Zn2062
Line	334.904 {101}	190.856 {477}	292.402 {115}	206.200 {163}
IS Ref	(Y_3600)	(In2306)	(Y_3600)	(Y_3600)
Units	ppm	ppm	ppm	ppm
Avg	**1.5395**	**-.00122**	**.12268**	**.21475**
Stddev	.0014	.00075	.00046	.00025
%RSD	.09282	61.444	.37554	.11649
#1	1.5405	-.00175	.12300	.21492
#2	1.5385	-.00069	.12235	.21457
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				
Low Limit				

Int. Std.	In2306	Y_2243	Y_3600	Y_3774
Line	230.606 {446}	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**1938.9**	**2831.2**	**25538.**	**4774.2**
Stddev	.7	10.8	61.	4.8
%RSD	.03566	.38017	.23713	.09969
#1	1938.4	2823.6	25581.	4777.6
#2	1939.4	2838.8	25495.	4770.9

Sample Name: 480-18223-A-10-A Acquired: 4/9/2012 18:31:36 Type: Unk
Method: ICAP1(v262) Mode: CONC Corr. Factor: 1.000000
User: MDM Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	B_2089	Ba4554-2	Be3130	Ca3179	Cd2288	Co2286
Line	328.068 {103}	308.215 {109}	189.042 {478}	208.959 {461}	455.403 { 74}2	313.042 {108}	317.933 {106}	228.802 {447}	228.616 {447}
IS Ref	(Y_3600)	(Y_3774)	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3774)	(Y_3774)	(Y_2243)	(In2306)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00160**	**44.529**	**.65085**	**.01753**	**.20950**	**.00188**	**12.912**	**-.00023**	**.02099**
Stddev	.00100	.080	.00332	.00034	.00002	.00002	.049	.00004	.00007
%RSD	62.445	.18022	.50940	1.9480	.00965	.98062	.37973	16.944	.32238
#1	-.00089	44.585	.65320	.01777	.20951	.00189	12.947	-.00020	.02103
#2	-.00230	44.472	.64851	.01729	.20948	.00186	12.877	-.00026	.02094
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Cr2677	Cu3247	Fe2714	K_7664	K_7664-2	Li6707	Mg2790	Mn2576	Mo2020
Line	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}	766.490 { 44}2	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}
IS Ref	(Y_3600)	(Y_3600)	(Y_3774)	(Y_3774)	(Y_3774)	(Y_3774)	(Y_3600)	(Y_3600)	(Y_2243)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.07711**	**.27956**	**126.25**	**4.1071**	**3.6701**	**.02659**	**6.2430**	**1.3590**	**.00561**
Stddev	.00059	.00025	1.09	.0262	.0231	.00200	.0185	.0026	.00032
%RSD	.77019	.08994	.86469	.63855	.62973	7.5194	.29568	.19413	5.7724
#1	.07669	.27938	127.02	4.1256	3.6865	.02518	6.2560	1.3608	.00538
#2	.07753	.27974	125.48	4.0885	3.6538	.02801	6.2299	1.3571	.00584
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Na5895	Ni2316	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899	Sr4077
Line	589.592 { 57}	231.604 {446}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}2	189.989 {477}	407.771 { 83}
IS Ref	(Y_3774)	(In2306)	(In2306)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3774)	(In2306)	(Y_3774)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.40766**	**.07791**	**.37189**	**1.837**	**.00824**	**-.00101**	**21.048**	**2.4339**	**.07345**
Stddev	.01034	.00066	.00382	.005	.00064	.00292	.169	.0083	.00010
%RSD	2.5368	.84306	1.0281	.2523	7.7564	289.70	.80485	.34130	.12952
#1	.41498	.07744	.37460	1.840	.00869	.00106	21.168	2.4398	.07338
#2	.40035	.07837	.36919	1.834	.00778	-.00308	20.928	2.4281	.07352
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Ti3349	Tl1908	V_2924	Zn2062
Line	334.904 {101}	190.856 {477}	292.402 {115}	206.200 {163}
IS Ref	(Y_3600)	(In2306)	(Y_3600)	(Y_3600)
Units	ppm	ppm	ppm	ppm
Avg	**1.0094**	**-.00434**	**.13397**	**.44252**
Stddev	.0084	.00246	.00037	.00384
%RSD	.83167	56.762	.27622	.86665
#1	1.0035	-.00260	.13371	.44523
#2	1.0154	-.00608	.13424	.43981
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				
Low Limit				

Int. Std.	In2306	Y_2243	Y_3600	Y_3774
Line	230.606 {446}	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**1913.3**	**2844.6**	**25533.**	**4831.7**
Stddev	.3	.7	76.	30.0
%RSD	.01589	.02370	.29666	.62180
#1	1913.1	2844.2	25480.	4810.5
#2	1913.5	2845.1	25587.	4853.0

Sample Name: 480-18223-A-11-A Acquired: 4/9/2012 18:33:51 Type: Unk
Method: ICAP1(v262) Mode: CONC Corr. Factor: 1.000000
User: MDM Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	B_2089	Ba4554	Be3130	Ca3179	Cd2288	Co2286
Line	328.068 {103}	308.215 {109}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	317.933 {106}	228.802 {447}	228.616 {447}
IS Ref	(Y_3600)	(Y_3774)	(Y_2243)	(Y_2243)	(Y_3774)	(Y_3774)	(Y_3774)	(Y_2243)	(In2306)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00171**	**28.262**	**.22573**	**.08933**	**3.2616**	**.00433**	**31.320**	**.00013**	**.02392**
Stddev	.00067	.020	.00030	.00055	.0002	.00013	.065	.00005	.00056
%RSD	39.077	.06983	.13434	.61165	.00640	3.0335	.20859	37.215	2.3242
#1	-.00219	28.248	.22551	.08972	3.2614	.00443	31.274	.00010	.02431
#2	-.00124	28.276	.22594	.08895	3.2617	.00424	31.366	.00017	.02353
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Cr2677	Cu3247	Fe2714	K_7664	K_7664-2	Li6707	Mg2790	Mn2576	Mo2020
Line	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}	766.490 { 44}2	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}
IS Ref	(Y_3600)	(Y_3600)	(Y_3774)	(Y_3774)	(Y_3774)	(Y_3774)	(Y_3600)	(Y_3600)	(Y_2243)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.05792**	**.25630**	**101.81**	**4.0562**	**3.7098**	**.01986**	**4.0119**	**.51750**	**.01045**
Stddev	.00017	.00125	.48	.0015	.0209	.00064	.0002	.00132	.00017
%RSD	.29259	.48846	.46776	.03639	.56204	3.2019	.00511	.25526	1.5926
#1	.05780	.25541	102.15	4.0551	3.6950	.01941	4.0117	.51844	.01033
#2	.05804	.25718	101.47	4.0572	3.7245	.02031	4.0120	.51657	.01057
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Na5895	Ni2316	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899	Sr4077
Line	589.592 { 57}	231.604 {446}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}2	189.989 {477}	407.771 { 83}
IS Ref	(Y_3774)	(In2306)	(In2306)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3774)	(In2306)	(Y_3774)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.55276**	**.07055**	**.34358**	**5.514**	**.00469**	**.00162**	**19.284**	**.04445**	**.28899**
Stddev	.00044	.00184	.00474	.043	.00037	.00442	.009	.00099	.00015
%RSD	.08027	2.6055	1.3810	.7741	7.8975	272.89	.04604	2.2243	.05234
#1	.55307	.07185	.34693	5.544	.00495	-.00150	19.290	.04514	.28888
#2	.55245	.06925	.34022	5.483	.00442	.00474	19.278	.04375	.28910
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Ti3349	Tl1908	V_2924	Zn2062
Line	334.904 {101}	190.856 {477}	292.402 {115}	206.200 {163}
IS Ref	(Y_3600)	(In2306)	(Y_3600)	(Y_3600)
Units	ppm	ppm	ppm	ppm
Avg	**1.3571**	**-.00111**	**.11791**	**1.0217**
Stddev	.0097	.00413	.00057	.0029
%RSD	.71722	371.22	.48392	.28223
#1	1.3502	-.00404	.11751	1.0237
#2	1.3640	.00181	.11832	1.0197
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				
Low Limit				

Int. Std.	In2306	Y_2243	Y_3600	Y_3774
Line	230.606 {446}	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**1916.2**	**2834.3**	**25526.**	**4782.2**
Stddev	3.3	10.0	12.	43.1
%RSD	.17013	.35233	.04726	.90205
#1	1918.5	2841.4	25517.	4812.7
#2	1913.9	2827.3	25534.	4751.7

Sample Name: 480-18223-A-12-A Acquired: 4/9/2012 18:36:12 Type: Unk
Method: ICAP1(v262) Mode: CONC Corr. Factor: 1.000000
User: MDM Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	B_2089	Ba4554-2	Be3130	Ca3179	Cd2288	Co2286
Line	328.068 {103}	308.215 {109}	189.042 {478}	208.959 {461}	455.403 { 74}2	313.042 {108}	317.933 {106}	228.802 {447}	228.616 {447}
IS Ref	(Y_3600)	(Y_3774)	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3774)	(Y_3774)	(Y_2243)	(In2306)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00242**	**35.119**	**.24628**	**.01682**	**.43738**	**.00230**	**42.837**	**.00118**	**.02771**
Stddev	.00027	.227	.00452	.00005	.00039	.00015	.142	.00022	.00041
%RSD	11.202	.64743	1.8363	.28193	.08994	6.6826	.33105	18.903	1.4729
#1	-.00222	35.279	.24948	.01685	.43765	.00240	42.937	.00102	.02742
#2	-.00261	34.958	.24308	.01679	.43710	.00219	42.737	.00133	.02800
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Cr2677	Cu3247	Fe2714	K_7664	K_7664-2	Li6707	Mg2790	Mn2576	Mo2020
Line	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}	766.490 { 44}2	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}
IS Ref	(Y_3600)	(Y_3600)	(Y_3774)	(Y_3774)	(Y_3774)	(Y_3774)	(Y_3600)	(Y_3600)	(Y_2243)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.10211**	**.19248**	**150.55**	**4.9675**	**4.6586**	**.03539**	**26.555**	**1.7698**	**.00552**
Stddev	.00058	.00062	.59	.0066	.0593	.00009	.012	.0048	.00039
%RSD	.57248	.32024	.39297	.13354	1.2736	.25611	.04670	.26888	7.0839
#1	.10252	.19204	150.13	4.9629	4.6167	.03545	26.564	1.7731	.00524
#2	.10169	.19291	150.97	4.9722	4.7006	.03532	26.546	1.7664	.00580
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Na5895	Ni2316	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899	Sr4077
Line	589.592 { 57}	231.604 {446}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}2	189.989 {477}	407.771 { 83}
IS Ref	(Y_3774)	(In2306)	(In2306)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3774)	(In2306)	(Y_3774)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.26007**	**.07907**	**.34181**	**2.099**	**.00178**	**.00388**	**17.535**	**.04242**	**.07611**
Stddev	.00612	.00038	.00087	.012	.00028	.00166	.016	.00108	.00021
%RSD	2.3548	.48661	.25393	.5769	15.639	42.897	.09010	2.5508	.28129
#1	.25574	.07935	.34243	2.108	.00159	.00506	17.546	.04319	.07626
#2	.26440	.07880	.34120	2.091	.00198	.00270	17.524	.04166	.07596
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Ti3349	Tl1908	V_2924	Zn2062
Line	334.904 {101}	190.856 {477}	292.402 {115}	206.200 {163}
IS Ref	(Y_3600)	(In2306)	(Y_3600)	(Y_3600)
Units	ppm	ppm	ppm	ppm
Avg	**.78907**	**-.00293**	**.12699**	**.32231**
Stddev	.00988	.00212	.00127	.00177
%RSD	1.2525	72.202	1.0039	.54800
#1	.79606	-.00442	.12608	.32356
#2	.78208	-.00143	.12789	.32107
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				
Low Limit				

Int. Std.	In2306	Y_2243	Y_3600	Y_3774
Line	230.606 {446}	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**1859.8**	**2815.5**	**25321.**	**4808.3**
Stddev	1.8	6.6	38.	9.0
%RSD	.09734	.23385	.15054	.18669
#1	1861.1	2820.1	25294.	4814.6
#2	1858.5	2810.8	25348.	4801.9

Sample Name: 18223-A-12-A SD@5 Acquired: 4/9/2012 18:38:29 Type: Unk
Method: ICAP1(v262) Mode: CONC Corr. Factor: 1.000000
User: MDM Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	B_2089	Ba4554-2	Be3130	Ca3179	Cd2288	Co2286
Line	328.068 {103}	308.215 {109}	189.042 {478}	208.959 {461}	455.403 { 74}2	313.042 {108}	317.933 {106}	228.802 {447}	228.616 {447}
IS Ref	(Y_3600)	(Y_3774)	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3774)	(Y_3774)	(Y_2243)	(In2306)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00127**	**7.0381**	**.04944**	**.00140**	**.08728**	**.00040**	**8.7699**	**.00013**	**.00487**
Stddev	.00035	.0503	.00163	.00009	.00010	.00017	.0295	.00006	.00010
%RSD	27.626	.71537	3.2904	6.0790	.11858	40.846	.33636	43.863	2.0673
#1	-.00102	7.0737	.05059	.00146	.08721	.00029	8.7908	.00018	.00494
#2	-.00152	7.0025	.04829	.00134	.08736	.00052	8.7490	.00009	.00480
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Cr2677	Cu3247	Fe2599	K_7664	K_7664-2	Li6707	Mg2790	Mn2576	Mo2020
Line	267.716 {126}	324.754 {104}	259.940 {130}	766.490 { 44}	766.490 { 44}2	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}
IS Ref	(Y_3600)	(Y_3600)	(Y_3774)	(Y_3774)	(Y_3774)	(Y_3774)	(Y_3600)	(Y_3600)	(Y_2243)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.01972**	**.03881**	**31.372**	**.95492**	**.81330**	**.00651**	**5.3606**	**.36069**	**.00121**
Stddev	.00036	.00001	.204	.00030	.00850	.00077	.0039	.00001	.00011
%RSD	1.8238	.01998	.64982	.03116	1.0452	11.823	.07293	.00283	9.1052
#1	.01998	.03880	31.516	.95513	.80729	.00705	5.3579	.36070	.00129
#2	.01947	.03881	31.228	.95471	.81932	.00597	5.3634	.36068	.00113
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Na5895	Ni2316	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899	Sr4077
Line	589.592 { 57}	231.604 {446}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}2	189.989 {477}	407.771 { 83}
IS Ref	(Y_3774)	(In2306)	(In2306)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3774)	(In2306)	(Y_3774)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.03862**	**.01508**	**.06645**	**.4137**	**.00199**	**-.00501**	**3.4753**	**.00811**	**.01517**
Stddev	.00074	.00013	.00072	.0012	.00182	.00330	.0364	.00013	.00003
%RSD	1.9241	.85575	1.0882	.2841	91.344	65.924	1.0485	1.5972	.23054
#1	.03915	.01517	.06697	.4145	.00071	-.00735	3.5010	.00820	.01519
#2	.03810	.01499	.06594	.4129	.00328	-.00268	3.4495	.00802	.01514
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Ti3349	Tl1908	V_2924	Zn2062
Line	334.904 {101}	190.856 {477}	292.402 {115}	206.200 {163}
IS Ref	(Y_3600)	(In2306)	(Y_3600)	(Y_3600)
Units	ppm	ppm	ppm	ppm
Avg	**.15458**	**-.00141**	**.02634**	**.06585**
Stddev	.00433	.00085	.00023	.00052
%RSD	2.8006	60.342	.87819	.78585
#1	.15764	-.00081	.02650	.06621
#2	.15152	-.00201	.02617	.06548
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				
Low Limit				

Int. Std.	In2306	Y_2243	Y_3600	Y_3774
Line	230.606 {446}	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**2012.6**	**2875.6**	**25838.**	**4741.0**
Stddev	1.5	8.4	47.	7.4
%RSD	.07221	.29145	.18260	.15664
#1	2011.6	2869.7	25805.	4735.8
#2	2013.7	2881.5	25871.	4746.3

Sample Name: 480-18223-A-12-A PDS Acquired: 4/9/2012 18:40:47 Type: Unk
Method: ICAP1(v262) Mode: CONC Corr. Factor: 1.000000
User: MDM Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	B_2089	Ba4554	Be3130	Ca3179	Cd2288	Co2286
Line	328.068 {103}	308.215 {109}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	317.933 {106}	228.802 {447}	228.616 {447}
IS Ref	(Y_3600)	(Y_3774)	(Y_2243)	(Y_2243)	(Y_3774)	(Y_3774)	(Y_3774)	(Y_2243)	(In2306)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.09756**	**53.274**	**1.0990**	**.41582**	**.83635**	**.85164**	**79.442**	**.84509**	**.84045**
Stddev	.00025	.031	.0115	.00267	.00033	.00075	.293	.00867	.01167
%RSD	.25523	.05888	1.0472	.64107	.03895	.08788	.36861	1.0258	1.3888
#1	.09773	53.297	1.1071	.41771	.83612	.85111	79.235	.85122	.84871
#2	.09738	53.252	1.0909	.41394	.83658	.85217	79.649	.83896	.83220
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Cr2677	Cu3247	Fe2714	K_7664	K_7664-2	Li6707	Mg2790	Mn2576	Mo2020
Line	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}	766.490 { 44}2	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}
IS Ref	(Y_3600)	(Y_3600)	(Y_3774)	(Y_3774)	(Y_3774)	(Y_3774)	(Y_3600)	(Y_3600)	(Y_2243)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.90018**	**1.0219**	**182.50**	**24.917**	**25.329**	**.43987**	**66.905**	**2.4853**	**.85403**
Stddev	.00789	.0054	1.39	.035	.401	.00346	.336	.0097	.00921
%RSD	.87598	.53249	.76300	.14008	1.5845	.78547	.50220	.38819	1.0786
#1	.90575	1.0258	181.52	24.892	25.613	.43743	67.143	2.4921	.86055
#2	.89460	1.0181	183.49	24.942	25.046	.44231	66.668	2.4785	.84752
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Na5895	Ni2316	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899	Sr4077
Line	589.592 { 57}	231.604 {446}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}2	189.989 {477}	407.771 { 83}
IS Ref	(Y_3774)	(In2306)	(In2306)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3774)	(In2306)	(Y_3774)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**20.335**	**.92723**	**1.1758**	**2.003**	**.83736**	**.84044**	**17.116**	**.43955**	**.47940**
Stddev	.074	.00955	.0073	.014	.00860	.01452	.120	.00346	.00089
%RSD	.36517	1.0295	.62547	.7154	1.0268	1.7280	.70289	.78718	.18536
#1	20.283	.93398	1.1810	2.013	.84344	.85071	17.031	.44200	.47878
#2	20.388	.92048	1.1706	1.993	.83129	.83017	17.201	.43711	.48003
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Ti3349	Tl1908	V_2924	Zn2062
Line	334.904 {101}	190.856 {477}	292.402 {115}	206.200 {163}
IS Ref	(Y_3600)	(In2306)	(Y_3600)	(Y_3600)
Units	ppm	ppm	ppm	ppm
Avg	**1.5890**	**.86198**	**.93268**	**1.1370**
Stddev	.0146	.00242	.00479	.0122
%RSD	.92123	.28048	.51407	1.0741
#1	1.5994	.86369	.93607	1.1457
#2	1.5787	.86027	.92929	1.1284
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				
Low Limit				

Int. Std.	In2306	Y_2243	Y_3600	Y_3774
Line	230.606 {446}	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**1770.9**	**2762.2**	**24565.**	**4744.8**
Stddev	9.5	11.3	133.	24.0
%RSD	.53548	.40785	.53966	.50627
#1	1764.2	2754.2	24472.	4727.8
#2	1777.6	2770.2	24659.	4761.8

Sample Name: 480-18223-A-12-B MS Acquired: 4/9/2012 18:43:10 Type: Unk
Method: ICAP1(v262) Mode: CONC Corr. Factor: 1.000000
User: MDM Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	B_2089	Ba4554	Be3130	Ca3179	Cd2288	Co2286
Line	328.068 {103}	308.215 {109}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	317.933 {106}	228.802 {447}	228.616 {447}
IS Ref	(Y_3600)	(Y_3774)	(Y_2243)	(Y_2243)	(Y_3774)	(Y_3774)	(Y_3774)	(Y_2243)	(In2306)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.09766**	**80.685**	**.54187**	**.40911**	**.92946**	**.40053**	**59.431**	**.38923**	**.43300**
Stddev	.00043	.073	.00281	.00440	.00302	.00144	.318	.00383	.00254
%RSD	.44032	.09088	.51832	1.0760	.32516	.35904	.53538	.98299	.58559
#1	.09735	80.736	.54386	.41222	.93160	.39952	59.206	.39194	.43480
#2	.09796	80.633	.53989	.40599	.92732	.40155	59.656	.38652	.43121
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Cr2677	Cu3247	Fe2714	K_7664	K_7664-2	Li6707	Mg2790	Mn2576	Mo2020
Line	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}	766.490 { 44}2	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}
IS Ref	(Y_3600)	(Y_3600)	(Y_3774)	(Y_3774)	(Y_3774)	(Y_3774)	(Y_3600)	(Y_3600)	(Y_2243)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.51403**	**.60262**	**174.45**	**26.153**	**26.080**	**.43158**	**45.706**	**2.3762**	**.39851**
Stddev	.00251	.00131	.70	.008	.128	.00165	.144	.0033	.00564
%RSD	.48887	.21793	.40336	.03235	.49248	.38255	.31553	.13779	1.4158
#1	.51581	.60355	173.96	26.147	25.989	.43041	45.604	2.3739	.40250
#2	.51226	.60169	174.95	26.158	26.171	.43274	45.808	2.3785	.39452
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Na5895	Ni2316	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899	Sr4077
Line	589.592 { 57}	231.604 {446}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}2	189.989 {477}	407.771 { 83}
IS Ref	(Y_3774)	(In2306)	(In2306)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3774)	(In2306)	(Y_3774)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**19.146**	**.62375**	**.82278**	**2.260**	**.34837**	**.36808**	**41.189**	**.44983**	**.47777**
Stddev	.042	.00417	.00637	.029	.00542	.00246	.019	.00454	.00259
%RSD	.21844	.66930	.77381	1.301	1.5562	.66749	.04699	1.0100	.54114
#1	19.117	.62670	.82728	2.281	.35220	.36634	41.175	.45304	.47960
#2	19.176	.62080	.81828	2.239	.34454	.36982	41.203	.44661	.47594
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Ti3349	Tl1908	V_2924	Zn2062
Line	334.904 {101}	190.856 {477}	292.402 {115}	206.200 {163}
IS Ref	(Y_3600)	(In2306)	(Y_3600)	(Y_3600)
Units	ppm	ppm	ppm	ppm
Avg	**1.4591**	**.39528**	**.52845**	**.83036**
Stddev	.0000	.01242	.00079	.00092
%RSD	.00291	3.1413	.14905	.11061
#1	1.4591	.40406	.52901	.82971
#2	1.4591	.38650	.52790	.83101
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				
Low Limit				

Int. Std.	In2306	Y_2243	Y_3600	Y_3774
Line	230.606 {446}	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**1788.5**	**2801.4**	**24862.**	**4808.0**
Stddev	1.7	6.0	76.	30.3
%RSD	.09327	.21467	.30489	.63062
#1	1787.3	2797.2	24916.	4829.5
#2	1789.6	2805.7	24809.	4786.6

Sample Name: CCV Acquired: 4/9/2012 18:45:40 Type: QC
Method: ICAP1(v262) Mode: CONC Corr. Factor: 1.000000
User: MDM Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	B_2089	Ba4554	Be3130	Ca3179	Cd2288	Co2286	Cr2677	Cu3247	Fe2599	K_7664
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.49395	23.356	.48894	.47680	.49823	.48312	23.449	.49478	.47418	.47937	.47323	24.632	23.568
Stddev	.00152	.046	.00482	.00177	.00009	.00184	.043	.00223	.00342	.00051	.00103	.011	.006
%RSD	.30703	.19734	.98670	.37063	.01815	.38165	.18495	.45029	.72117	.10666	.21793	.04474	.02655
#1	.49288	23.324	.49235	.47805	.49816	.48181	23.418	.49635	.47660	.47973	.47396	24.640	23.564
#2	.49503	23.389	.48552	.47555	.49829	.48442	23.480	.49320	.47176	.47901	.47250	24.624	23.573
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value													
Range													

Elem	K_7664-2	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	23.045	.46447	25.013	.51238	.50075	23.275	.48584	.48831	24.91	.49553	.49369	22.985	.50402
Stddev	.248	.00092	.046	.00021	.00358	.014	.00435	.00442	.08	.00038	.00118	.053	.00097
%RSD	1.0781	.19787	.18308	.04110	.71564	.06014	.89613	.90489	.3389	.07752	.23802	.22850	.19158
#1	22.870	.46382	24.980	.51223	.50328	23.265	.48892	.49144	24.97	.49525	.49452	23.022	.50471
#2	23.221	.46512	25.045	.51252	.49822	23.284	.48276	.48519	24.85	.49580	.49286	22.948	.50334
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value													
Range													

Elem	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm
Avg	.47228	.49804	.49514	.47551	.48923
Stddev	.00025	.00092	.00411	.00031	.00288
%RSD	.05217	.18507	.82971	.06504	.58866
#1	.47211	.49869	.49805	.47573	.48720
#2	.47245	.49739	.49224	.47529	.49127
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value					
Range					

Int. Std.	In2306	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	1933.7	2843.3	25180.	4786.8
Stddev	.8	1.4	40.	62.0
%RSD	.04258	.05018	.15799	1.2945
#1	1933.1	2842.3	25208.	4830.6
#2	1934.3	2844.3	25152.	4743.0

Sample Name: CCB Acquired: 4/9/2012 18:48:00 Type: QC
Method: ICAP1(v262) Mode: CONC Corr. Factor: 1.000000
User: MDM Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	B_2089	Ba4554-2	Be3130	Ca3179	Cd2288	Co2286	Cr2677	Cu3247	Fe2599	K_7664
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00054**	**-.00874**	**.00022**	**-.00154**	**.00002**	**.00030**	**-.00530**	**-.00001**	**-.00001**	**-.00029**	**.00026**	**.01375**	**-.01546**
Stddev	.00099	.02711	.00034	.00015	.00000	.00019	.00052	.00004	.00028	.00043	.00048	.00600	.01958
%RSD	184.80	310.34	151.36	9.5354	22.129	61.559	9.8151	472.34	2007.0	150.70	181.92	43.595	126.68
#1	.00016	.01044	.00046	-.00165	.00002	.00017	-.00567	-.00003	.00019	.00002	.00060	.01799	-.00161
#2	-.00124	-.02791	-.00002	-.00144	.00002	.00044	-.00493	.00002	-.00022	-.00059	-.00008	.00951	-.02930
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit													
Low Limit													

Elem	K_7664-2	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00475**	**.00070**	**.00395**	**-.00002**	**-.00019**	**-.01355**	**.00000**	**-.00034**	**-.0001**	**.00050**	**-.00515**	**-.00834**	**.00049**
Stddev	.00031	.00008	.00274	.00001	.00007	.00393	.00097	.00044	.0001	.00200	.00198	.00018	.00055
%RSD	6.4246	10.728	69.335	63.198	35.685	28.987	45667.	130.67	153.0	399.76	38.407	2.1610	110.34
#1	.00497	.00076	.00201	-.00001	-.00014	-.01077	-.00069	-.00065	-.0002	-.00091	-.00375	-.00821	.00088
#2	.00453	.00065	.00588	-.00003	-.00023	-.01633	.00069	-.00003	.0000	.00192	-.00655	-.00846	.00011
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit													
Low Limit													

Elem	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm
Avg	**-.00002**	**.00054**	**.00122**	**.00119**	**.00030**
Stddev	.00013	.00013	.00123	.00051	.00057
%RSD	674.23	25.001	100.59	42.671	186.95
#1	-.00011	.00063	.00035	.00083	-.00010
#2	.00007	.00044	.00209	.00154	.00071
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Int. Std.	In2306	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**2059.0**	**2858.4**	**25729.**	**4704.6**
Stddev	.8	6.9	3.	15.8
%RSD	.04040	.23983	.01332	.33537
#1	2058.4	2863.3	25732.	4693.4
#2	2059.6	2853.6	25727.	4715.7

Sample Name: 480-18223-A-12-C MSD Acquired: 4/9/2012 18:50:27 Type: Unk
Method: ICAP1(v262) Mode: CONC Corr. Factor: 1.000000
User: MDM Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	B_2089	Ba4554	Be3130	Ca3179	Cd2288	Co2286
Line	328.068 {103}	308.215 {109}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	317.933 {106}	228.802 {447}	228.616 {447}
IS Ref	(Y_3600)	(Y_3774)	(Y_2243)	(Y_2243)	(Y_3774)	(Y_3774)	(Y_3774)	(Y_2243)	(In2306)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.09734**	**77.010**	**.55782**	**.41080**	**.92094**	**.40215**	**59.738**	**.39363**	**.43955**
Stddev	.00065	.010	.00268	.00123	.00096	.00021	.019	.00253	.00266
%RSD	.67067	.01325	.47977	.30003	.10475	.05233	.03207	.64235	.60529
#1	.09781	77.017	.55971	.41167	.92163	.40200	59.752	.39542	.44143
#2	.09688	77.003	.55593	.40993	.92026	.40230	59.725	.39185	.43767
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Cr2677	Cu3247	Fe2714	K_7664	K_7664-2	Li6707	Mg2790	Mn2576	Mo2020
Line	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}	766.490 { 44}2	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}
IS Ref	(Y_3600)	(Y_3600)	(Y_3774)	(Y_3774)	(Y_3774)	(Y_3774)	(Y_3600)	(Y_3600)	(Y_2243)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.53953**	**.63677**	**269.14**	**25.426**	**25.918**	**.43350**	**42.370**	**3.1516**	**.40026**
Stddev	.00002	.00100	.51	.040	.256	.00170	.052	.0069	.00273
%RSD	.00381	.15682	.18863	.15778	.98656	.39159	.12382	.22007	.68095
#1	.53954	.63606	269.50	25.454	26.099	.43230	42.407	3.1565	.40219
#2	.53951	.63747	268.78	25.397	25.738	.43470	42.333	3.1467	.39833
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Na5895	Ni2316	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899	Sr4077
Line	589.592 { 57}	231.604 {446}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}2	189.989 {477}	407.771 { 83}
IS Ref	(Y_3774)	(In2306)	(In2306)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3774)	(In2306)	(Y_3774)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**19.208**	**.51050**	**.82474**	**2.319**	**.35387**	**.37038**	**40.229**	**.45875**	**.46988**
Stddev	.016	.00684	.01285	.014	.00047	.00165	.108	.00594	.00037
%RSD	.08091	1.3397	1.5580	.5855	.13215	.44660	.26918	1.2955	.07981
#1	19.197	.51533	.83382	2.328	.35354	.37155	40.153	.46296	.47014
#2	19.219	.50566	.81565	2.309	.35420	.36921	40.306	.45455	.46961
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Ti3349	Tl1908	V_2924	Zn2062
Line	334.904 {101}	190.856 {477}	292.402 {115}	206.200 {163}
IS Ref	(Y_3600)	(In2306)	(Y_3600)	(Y_3600)
Units	ppm	ppm	ppm	ppm
Avg	**1.3972**	**.39197**	**.52312**	**.83611**
Stddev	.0089	.00368	.00305	.00339
%RSD	.64026	.93776	.58245	.40504
#1	1.4036	.39457	.52527	.83850
#2	1.3909	.38937	.52096	.83371
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				
Low Limit				

Int. Std.	In2306	Y_2243	Y_3600	Y_3774
Line	230.606 {446}	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**1759.0**	**2756.3**	**24496.**	**4756.9**
Stddev	3.5	3.9	43.	24.6
%RSD	.20060	.14115	.17486	.51725
#1	1761.5	2759.0	24465.	4739.5
#2	1756.5	2753.5	24526.	4774.3

Sample Name: 480-18228-A-1-A Acquired: 4/9/2012 18:52:51 Type: Unk
Method: ICAP1(v262) Mode: CONC Corr. Factor: 1.000000
User: MDM Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	B_2089	Ba4554	Be3130	Ca3179	Cd2288	Co2286
Line	328.068 {103}	308.215 {109}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	317.933 {106}	228.802 {447}	228.616 {447}
IS Ref	(Y_3600)	(Y_3774)	(Y_2243)	(Y_2243)	(Y_3774)	(Y_3774)	(Y_3774)	(Y_2243)	(In2306)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00090**	**58.129**	**.05352**	**.02713**	**.78901**	**.00396**	**342.95**	**.00275**	**.05132**
Stddev	.00079	.000	.00036	.00147	.00071	.00013	1.50	.00008	.00047
%RSD	87.767	.00007	.68124	5.4114	.09021	3.2748	.43860	2.8390	.90683
#1	-.00034	58.130	.05326	.02816	.78851	.00406	341.89	.00281	.05165
#2	-.00145	58.129	.05378	.02609	.78951	.00387	344.01	.00270	.05099
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Cr2677	Cu3247	Fe2714	K_7664	K_7664-2	Li6707	Mg2790	Mn2576	Mo2020
Line	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}	766.490 { 44}2	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}
IS Ref	(Y_3600)	(Y_3600)	(Y_3774)	(Y_3774)	(Y_3774)	(Y_3774)	(Y_3600)	(Y_3600)	(Y_2243)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.12823**	**.30424**	**148.02**	**8.1479**	**9.4155**	**.09570**	**33.060**	**2.5306**	**.01856**
Stddev	.00021	.00268	1.43	.0620	.1367	.00042	.003	.0013	.00010
%RSD	.16689	.88228	.96803	.76147	1.4515	.43370	.00955	.05199	.56492
#1	.12838	.30613	147.01	8.1917	9.3189	.09541	33.058	2.5297	.01863
#2	.12808	.30234	149.04	8.1040	9.5122	.09599	33.062	2.5315	.01848
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Na5895	Ni2316	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899	Sr4077
Line	589.592 { 57}	231.604 {446}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}2	189.989 {477}	407.771 { 83}
IS Ref	(Y_3774)	(In2306)	(In2306)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3774)	(In2306)	(Y_3774)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.3801**	**.10945**	**1.0910**	**7.217**	**-.00056**	**.00097**	**21.681**	**.07741**	**.57917**
Stddev	.0039	.00183	.0066	.056	.00240	.00094	.095	.00009	.00064
%RSD	.28487	1.6722	.60004	.7730	427.72	97.171	.43937	.11122	.10966
#1	1.3773	.11074	1.0956	7.257	.00114	.00164	21.613	.07747	.57872
#2	1.3829	.10815	1.0864	7.178	-.00226	.00030	21.748	.07735	.57962
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Ti3349	Tl1908	V_2924	Zn2062
Line	334.904 {101}	190.856 {477}	292.402 {115}	206.200 {163}
IS Ref	(Y_3600)	(In2306)	(Y_3600)	(Y_3600)
Units	ppm	ppm	ppm	ppm
Avg	**1.5551**	**-.00564**	**.15866**	**.85438**
Stddev	.0122	.00481	.00142	.00024
%RSD	.78218	85.312	.89287	.02866
#1	1.5637	-.00905	.15966	.85421
#2	1.5465	-.00224	.15766	.85455
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				
Low Limit				

Int. Std.	In2306	Y_2243	Y_3600	Y_3774
Line	230.606 {446}	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**1703.9**	**2768.7**	**24612.**	**4775.4**
Stddev	4.6	2.9	19.	6.5
%RSD	.27260	.10307	.07879	.13714
#1	1700.6	2766.7	24625.	4780.0
#2	1707.2	2770.7	24598.	4770.8

Sample Name: 480-18228-A-2-A Acquired: 4/9/2012 18:55:18 Type: Unk
Method: ICAP1(v262) Mode: CONC Corr. Factor: 1.000000
User: MDM Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	B_2089	Ba4554	Be3130	Ca3179	Cd2288	Co2286
Line	328.068 {103}	308.215 {109}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	317.933 {106}	228.802 {447}	228.616 {447}
IS Ref	(Y_3600)	(Y_3774)	(Y_2243)	(Y_2243)	(Y_3774)	(Y_3774)	(Y_3774)	(Y_2243)	(In2306)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00173**	**37.395**	**.12380**	**.02452**	**.57613**	**.00334**	**205.68**	**.02605**	**.05896**
Stddev	.00017	.042	.00132	.00121	.00099	.00006	.54	.00025	.00020
%RSD	9.5817	.11260	1.0702	4.9512	.17226	1.7039	.26266	.97351	.34232
#1	-.00184	37.425	.12474	.02537	.57543	.00338	205.29	.02623	.05910
#2	-.00161	37.365	.12287	.02366	.57684	.00330	206.06	.02587	.05882
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Cr2677	Cu3247	Fe2714	K_7664	K_7664-2	Li6707	Mg2790	Mn2576	Mo2020
Line	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}	766.490 { 44}2	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}
IS Ref	(Y_3600)	(Y_3600)	(Y_3774)	(Y_3774)	(Y_3774)	(Y_3774)	(Y_3600)	(Y_3600)	(Y_2243)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.12884**	**.33390**	**259.64**	**5.7039**	**6.3579**	**.07478**	**29.950**	**3.1380**	**.04118**
Stddev	.00155	.00017	.54	.0092	.0654	.00023	.056	.0019	.00059
%RSD	1.2007	.05200	.20626	.16035	1.0280	.31188	.18673	.06084	1.4266
#1	.12775	.33402	259.26	5.6974	6.4041	.07461	29.910	3.1394	.04160
#2	.12993	.33377	260.02	5.7104	6.3117	.07494	29.989	3.1367	.04077
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Na5895	Ni2316	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899	Sr4077
Line	589.592 { 57}	231.604 {446}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}2	189.989 {477}	407.771 { 83}
IS Ref	(Y_3774)	(In2306)	(In2306)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3774)	(In2306)	(Y_3774)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**2.1051**	**.11445**	**3.9788**	F **27.31**	**.00218**	**.00993**	**17.015**	**.97329**	**.54566**
Stddev	.0052	.00155	.0242	.15	.00146	.00755	.093	.00447	.00170
%RSD	.24679	1.3511	.60701	.5672	66.973	75.975	.54377	.45926	.31150
#1	2.1014	.11554	3.9959	27.42	.00115	.01527	17.080	.97645	.54446
#2	2.1088	.11336	3.9617	27.20	.00322	.00460	16.949	.97013	.54686
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				25.00					
Low Limit				-.0100					

Elem	Ti3349	Tl1908	V_2924	Zn2062
Line	334.904 {101}	190.856 {477}	292.402 {115}	206.200 {163}
IS Ref	(Y_3600)	(In2306)	(Y_3600)	(Y_3600)
Units	ppm	ppm	ppm	ppm
Avg	**.92111**	**-.00370**	**.18157**	**8.5361**
Stddev	.00057	.00159	.00086	.0245
%RSD	.06182	42.928	.47453	.28758
#1	.92152	-.00258	.18096	8.5188
#2	.92071	-.00482	.18218	8.5535
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				
Low Limit				

Int. Std.	In2306	Y_2243	Y_3600	Y_3774
Line	230.606 {446}	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**1733.3**	**2740.6**	**24547.**	**4732.4**
Stddev	5.4	14.3	34.	2.9
%RSD	.31417	.52179	.13744	.06216
#1	1729.4	2730.5	24523.	4734.5
#2	1737.1	2750.7	24571.	4730.3

Sample Name: 480-18228-A-3-A Acquired: 4/9/2012 18:57:31 Type: Unk
Method: ICAP1(v262) Mode: CONC Corr. Factor: 1.000000
User: MDM Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	B_2089	Ba4554	Be3130	Ca3179	Cd2288	Co2286
Line	328.068 {103}	308.215 {109}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	317.933 {106}	228.802 {447}	228.616 {447}
IS Ref	(Y_3600)	(Y_3774)	(Y_2243)	(Y_2243)	(Y_3774)	(Y_3774)	(Y_3774)	(Y_2243)	(In2306)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00247**	**29.934**	**.05095**	**.03167**	**.57901**	**.00255**	**610.78**	**.00160**	**.02325**
Stddev	.00035	.011	.00208	.00009	.00013	.00003	.31	.00000	.00006
%RSD	14.336	.03812	4.0738	.27970	.02280	1.1221	.05073	.04326	.27737
#1	-.00272	29.942	.05242	.03161	.57911	.00257	610.57	.00160	.02330
#2	-.00222	29.926	.04948	.03174	.57892	.00253	611.00	.00160	.02321
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Cr2677	Cu3247	Fe2714	K_7664	K_7664-2	Li6707	Mg2790	Mn2576	Mo2020
Line	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}	766.490 { 44}2	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}
IS Ref	(Y_3600)	(Y_3600)	(Y_3774)	(Y_3774)	(Y_3774)	(Y_3774)	(Y_3600)	(Y_3600)	(Y_2243)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.04923**	**.47193**	**75.596**	**6.1647**	**7.9515**	**.04431**	**93.394**	**1.9076**	**.00613**
Stddev	.00026	.00047	.041	.0223	.0885	.00084	.352	.0077	.00004
%RSD	.52087	.09912	.05395	.36247	1.1134	1.9063	.37674	.40227	.70118
#1	.04905	.47226	75.625	6.1805	8.0141	.04490	93.145	1.9022	.00616
#2	.04941	.47160	75.567	6.1489	7.8889	.04371	93.643	1.9131	.00610
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Na5895	Ni2316	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899	Sr4077
Line	589.592 { 57}	231.604 {446}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}2	189.989 {477}	407.771 { 83}
IS Ref	(Y_3774)	(In2306)	(In2306)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3774)	(In2306)	(Y_3774)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.1655**	**.06721**	**1.2158**	**17.68**	**.00295**	**.00319**	**16.156**	**.09560**	**.92052**
Stddev	.0008	.00011	.0069	.07	.00328	.00491	.033	.00141	.00152
%RSD	.06605	.16608	.57160	.4153	111.16	154.12	.20383	1.4788	.16544
#1	1.1650	.06713	1.2207	17.73	.00526	.00666	16.179	.09660	.92159
#2	1.1661	.06729	1.2109	17.63	.00063	-.00029	16.132	.09460	.91944
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Ti3349	Tl1908	V_2924	Zn2062
Line	334.904 {101}	190.856 {477}	292.402 {115}	206.200 {163}
IS Ref	(Y_3600)	(In2306)	(Y_3600)	(Y_3600)
Units	ppm	ppm	ppm	ppm
Avg	**1.2624**	**-.00249**	**.11943**	**.52257**
Stddev	.0077	.00062	.00072	.00188
%RSD	.61373	24.868	.60338	.36025
#1	1.2569	-.00293	.11994	.52124
#2	1.2678	-.00205	.11892	.52390
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				
Low Limit				

Int. Std.	In2306	Y_2243	Y_3600	Y_3774
Line	230.606 {446}	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**1626.9**	**2632.0**	**23313.**	**4618.4**
Stddev	2.2	3.2	38.	12.8
%RSD	.13814	.12066	.16354	.27772
#1	1625.3	2629.8	23340.	4609.3
#2	1628.5	2634.3	23287.	4627.5

Sample Name: 480-18228-A-3-B MS Acquired: 4/9/2012 18:59:54 Type: Unk
Method: ICAP1(v262) Mode: CONC Corr. Factor: 1.000000
User: MDM Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	B_2089	Ba4554	Be3130	Ca3179	Cd2288	Co2286
Line	328.068 {103}	308.215 {109}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	317.933 {106}	228.802 {447}	228.616 {447}
IS Ref	(Y_3600)	(Y_3774)	(Y_2243)	(Y_2243)	(Y_3774)	(Y_3774)	(Y_3774)	(Y_2243)	(In2306)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.10115**	**60.525**	**.42713**	**.43683**	**.89902**	**.39315**	**740.87**	**.39461**	**.41557**
Stddev	.00067	.133	.00215	.00342	.00290	.00085	4.48	.00255	.00361
%RSD	.65858	.22053	.50228	.78192	.32293	.21602	.60513	.64497	.86902
#1	.10068	60.431	.42865	.43924	.90107	.39375	744.04	.39641	.41812
#2	.10162	60.619	.42562	.43441	.89697	.39255	737.70	.39281	.41301
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Cr2677	Cu3247	Fe2714	K_7664	K_7664-2	Li6707	Mg2790	Mn2576	Mo2020
Line	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}	766.490 { 44}2	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}
IS Ref	(Y_3600)	(Y_3600)	(Y_3774)	(Y_3774)	(Y_3774)	(Y_3774)	(Y_3600)	(Y_3600)	(Y_2243)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.41688**	**.88366**	**94.758**	**29.624**	**37.879**	**.44780**	**125.24**	**2.2206**	**.38537**
Stddev	.00128	.00357	.159	.019	.269	.00120	.14	.0003	.00397
%RSD	.30623	.40438	.16776	.06332	.70977	.26812	.11095	.01407	1.0303
#1	.41778	.88618	94.646	29.637	38.069	.44865	125.34	2.2208	.38818
#2	.41598	.88113	94.871	29.611	37.689	.44696	125.14	2.2204	.38256
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Na5895	Ni2316	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899	Sr4077
Line	589.592 { 57}	231.604 {446}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}2	189.989 {477}	407.771 { 83}
IS Ref	(Y_3774)	(In2306)	(In2306)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3774)	(In2306)	(Y_3774)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**21.152**	**.45240**	**2.1633**	**18.33**	**.39165**	**.38127**	**39.708**	**.51706**	**1.4119**
Stddev	.038	.00675	.0327	.12	.00634	.01694	.215	.00667	.0007
%RSD	.18148	1.4930	1.5136	.6600	1.6183	4.4433	.54059	1.2895	.04930
#1	21.125	.45717	2.1864	18.41	.39613	.39325	39.556	.52178	1.4124
#2	21.179	.44762	2.1401	18.24	.38717	.36929	39.860	.51235	1.4114
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Ti3349	Tl1908	V_2924	Zn2062
Line	334.904 {101}	190.856 {477}	292.402 {115}	206.200 {163}
IS Ref	(Y_3600)	(In2306)	(Y_3600)	(Y_3600)
Units	ppm	ppm	ppm	ppm
Avg	**1.8867**	**.38313**	**.49855**	**.74227**
Stddev	.0043	.01028	.00077	.00162
%RSD	.22729	2.6840	.15465	.21792
#1	1.8897	.39040	.49801	.74342
#2	1.8836	.37586	.49910	.74113
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				
Low Limit				

Int. Std.	In2306	Y_2243	Y_3600	Y_3774
Line	230.606 {446}	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**1571.6**	**2598.5**	**22984.**	**4625.2**
Stddev	.1	2.8	64.	.2
%RSD	.00491	.10911	.27833	.00438
#1	1571.5	2600.5	22939.	4625.4
#2	1571.6	2596.5	23029.	4625.1

Sample Name: 480-18228-A-3-C MSD Acquired: 4/9/2012 19:02:22 Type: Unk
Method: ICAP1(v262) Mode: CONC Corr. Factor: 1.000000
User: MDM Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	B_2089	Ba4554	Be3130	Ca3179	Cd2288	Co2286
Line	328.068 {103}	308.215 {109}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	317.933 {106}	228.802 {447}	228.616 {447}
IS Ref	(Y_3600)	(Y_3774)	(Y_2243)	(Y_2243)	(Y_3774)	(Y_3774)	(Y_3774)	(Y_2243)	(In2306)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.10057**	**64.078**	**.45223**	**.43256**	**.92066**	**.40413**	**448.43**	**.39711**	**.42530**
Stddev	.00006	.007	.00452	.00190	.00111	.00017	.18	.00335	.00502
%RSD	.05566	.01164	1.0001	.43825	.12101	.04274	.04103	.84297	1.1797
#1	.10053	64.072	.45543	.43390	.91987	.40425	448.30	.39948	.42885
#2	.10061	64.083	.44903	.43122	.92145	.40400	448.56	.39474	.42176
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Cr2677	Cu3247	Fe2714	K_7664	K_7664-2	Li6707	Mg2790	Mn2576	Mo2020
Line	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}	766.490 { 44}2	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}
IS Ref	(Y_3600)	(Y_3600)	(Y_3774)	(Y_3774)	(Y_3774)	(Y_3774)	(Y_3600)	(Y_3600)	(Y_2243)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.43205**	**2.0620**	**93.238**	**28.636**	**32.516**	**.45161**	**85.869**	**2.0387**	**.39530**
Stddev	.00263	.0038	.488	.011	.031	.00224	.366	.0077	.00392
%RSD	.60928	.18603	.52340	.03846	.09405	.49615	.42600	.38016	.99267
#1	.43391	2.0647	92.892	28.644	32.537	.45319	86.127	2.0441	.39808
#2	.43018	2.0593	93.583	28.628	32.494	.45002	85.610	2.0332	.39253
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Na5895	Ni2316	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899	Sr4077
Line	589.592 { 57}	231.604 {446}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}2	189.989 {477}	407.771 { 83}
IS Ref	(Y_3774)	(In2306)	(In2306)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3774)	(In2306)	(Y_3774)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**21.130**	**.46323**	**1.8242**	**15.81**	**.45178**	**.39160**	**40.354**	**.64408**	**1.1450**
Stddev	.025	.00756	.0252	.13	.00377	.00102	.159	.00942	.0031
%RSD	.12038	1.6310	1.3818	.8408	.83552	.26064	.39454	1.4628	.26879
#1	21.148	.46857	1.8420	15.90	.45445	.39232	40.241	.65074	1.1472
#2	21.112	.45789	1.8064	15.71	.44911	.39087	40.466	.63741	1.1428
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Ti3349	Tl1908	V_2924	Zn2062
Line	334.904 {101}	190.856 {477}	292.402 {115}	206.200 {163}
IS Ref	(Y_3600)	(In2306)	(Y_3600)	(Y_3600)
Units	ppm	ppm	ppm	ppm
Avg	**1.9363**	**.39493**	**.51942**	**.90097**
Stddev	.0093	.00468	.00012	.00492
%RSD	.48060	1.1838	.02249	.54560
#1	1.9429	.39824	.51934	.90445
#2	1.9297	.39163	.51951	.89750
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				
Low Limit				

Int. Std.	In2306	Y_2243	Y_3600	Y_3774
Line	230.606 {446}	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**1638.8**	**2666.3**	**23537.**	**4664.8**
Stddev	3.4	3.2	12.	14.0
%RSD	.20960	.11825	.04891	.29915
#1	1636.4	2668.6	23528.	4674.6
#2	1641.3	2664.1	23545.	4654.9

Sample Name: 480-18228-A-4-A Acquired: 4/9/2012 19:04:43 Type: Unk
Method: ICAP1(v262) Mode: CONC Corr. Factor: 1.000000
User: MDM Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	B_2089	Ba4554	Be3130	Ca3179	Cd2288	Co2286
Line	328.068 {103}	308.215 {109}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	317.933 {106}	228.802 {447}	228.616 {447}
IS Ref	(Y_3600)	(Y_3774)	(Y_2243)	(Y_2243)	(Y_3774)	(Y_3774)	(Y_3774)	(Y_2243)	(In2306)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00180**	**63.749**	**.05205**	**.02854**	**.86819**	**.00391**	**124.28**	**.00135**	**.05270**
Stddev	.00029	.037	.00076	.00102	.00340	.00002	.16	.00005	.00094
%RSD	15.849	.05823	1.4609	3.5614	.39140	.57396	.12657	3.8418	1.7859
#1	-.00200	63.775	.05258	.02926	.86578	.00389	124.40	.00132	.05337
#2	-.00160	63.723	.05151	.02782	.87059	.00393	124.17	.00139	.05204
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Cr2677	Cu3247	Fe2714	K_7664	K_7664-2	Li6707	Mg2790	Mn2576	Mo2020
Line	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}	766.490 { 44}2	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}
IS Ref	(Y_3600)	(Y_3600)	(Y_3774)	(Y_3774)	(Y_3774)	(Y_3774)	(Y_3600)	(Y_3600)	(Y_2243)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.08689**	**.27106**	**113.21**	**7.4859**	**7.7819**	**.15174**	**26.913**	**1.6985**	**.00874**
Stddev	.00174	.00172	.47	.0091	.0701	.00014	.058	.0022	.00031
%RSD	2.0026	.63313	.41504	.12145	.90044	.09258	.21431	.12869	3.5262
#1	.08812	.27227	112.88	7.4923	7.8315	.15184	26.873	1.6970	.00852
#2	.08566	.26984	113.54	7.4794	7.7324	.15164	26.954	1.7001	.00895
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Na5895	Ni2316	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899	Sr4077
Line	589.592 { 57}	231.604 {446}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}2	189.989 {477}	407.771 { 83}
IS Ref	(Y_3774)	(In2306)	(In2306)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3774)	(In2306)	(Y_3774)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.9128**	**.08824**	**4.7938**	**5.592**	**-.00506**	**.00262**	**25.358**	**.04762**	**.26411**
Stddev	.0048	.00073	.0481	.058	.00128	.00256	.071	.00130	.00014
%RSD	.24897	.82940	1.0037	1.039	25.353	97.768	.27859	2.7368	.05292
#1	1.9094	.08876	4.8278	5.633	-.00415	.00443	25.407	.04855	.26421
#2	1.9161	.08772	4.7597	5.551	-.00597	.00081	25.308	.04670	.26401
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Ti3349	Tl1908	V_2924	Zn2062
Line	334.904 {101}	190.856 {477}	292.402 {115}	206.200 {163}
IS Ref	(Y_3600)	(In2306)	(Y_3600)	(Y_3600)
Units	ppm	ppm	ppm	ppm
Avg	**1.5714**	**-.00586**	**.16316**	**.65588**
Stddev	.0051	.00278	.00003	.00719
%RSD	.32705	47.543	.02051	1.0955
#1	1.5750	-.00389	.16314	.66096
#2	1.5678	-.00782	.16319	.65080
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				
Low Limit				

Int. Std.	In2306	Y_2243	Y_3600	Y_3774
Line	230.606 {446}	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**1805.6**	**2782.5**	**24790.**	**4740.4**
Stddev	.5	.6	18.	8.3
%RSD	.02707	.02287	.07448	.17540
#1	1805.3	2783.0	24803.	4746.3
#2	1806.0	2782.1	24777.	4734.5

Sample Name: 480-18228-A-5-A Acquired: 4/9/2012 19:07:10 Type: Unk
Method: ICAP1(v262) Mode: CONC Corr. Factor: 1.000000
User: MDM Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	B_2089	Ba4554	Be3130	Ca3179	Cd2288	Co2286
Line	328.068 {103}	308.215 {109}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	317.933 {106}	228.802 {447}	228.616 {447}
IS Ref	(Y_3600)	(Y_3774)	(Y_2243)	(Y_2243)	(Y_3774)	(Y_3774)	(Y_3774)	(Y_2243)	(In2306)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00148**	**26.180**	**.05529**	**.03066**	**.86184**	**.00260**	**557.01**	**.00265**	**.02438**
Stddev	.00084	.151	.00154	.00011	.00177	.00002	2.18	.00006	.00034
%RSD	56.758	.57570	2.7927	.36798	.20503	.60883	.39164	2.3127	1.3974
#1	-.00207	26.074	.05638	.03074	.86059	.00259	555.47	.00269	.02462
#2	-.00088	26.287	.05420	.03058	.86309	.00262	558.55	.00260	.02414
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Cr2677	Cu3247	Fe2714	K_7664	K_7664-2	Li6707	Mg2790	Mn2576	Mo2020
Line	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}	766.490 { 44}2	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}
IS Ref	(Y_3600)	(Y_3600)	(Y_3774)	(Y_3774)	(Y_3774)	(Y_3774)	(Y_3600)	(Y_3600)	(Y_2243)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.06961**	**.47979**	**108.26**	**4.9632**	**6.3350**	**.05002**	**48.612**	**1.7813**	**.00818**
Stddev	.00102	.00114	.21	.0261	.0004	.00019	.027	.0038	.00017
%RSD	1.4705	.23792	.19376	.52538	.00599	.38255	.05601	.21123	2.1165
#1	.07034	.48060	108.11	4.9817	6.3347	.05015	48.593	1.7787	.00831
#2	.06889	.47899	108.41	4.9448	6.3353	.04988	48.631	1.7840	.00806
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Na5895	Ni2316	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899	Sr4077
Line	589.592 { 57}	231.604 {446}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}2	189.989 {477}	407.771 { 83}
IS Ref	(Y_3774)	(In2306)	(In2306)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3774)	(In2306)	(Y_3774)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.4479**	**.06717**	**2.2143**	**20.69**	**.01083**	**.00589**	**16.441**	**.18030**	**.88353**
Stddev	.0045	.00062	.0122	.17	.00079	.00250	.012	.00371	.00018
%RSD	.31038	.92875	.55178	.8208	7.2987	42.498	.07151	2.0592	.02030
#1	1.4447	.06761	2.2230	20.81	.01027	.00767	16.432	.18292	.88366
#2	1.4510	.06673	2.2057	20.57	.01139	.00412	16.449	.17767	.88341
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Ti3349	Tl1908	V_2924	Zn2062
Line	334.904 {101}	190.856 {477}	292.402 {115}	206.200 {163}
IS Ref	(Y_3600)	(In2306)	(Y_3600)	(Y_3600)
Units	ppm	ppm	ppm	ppm
Avg	**.86944**	**-.00214**	**.11576**	**.96526**
Stddev	.01046	.00506	.00005	.00266
%RSD	1.2028	236.28	.04721	.27540
#1	.86205	-.00572	.11572	.96714
#2	.87683	.00144	.11580	.96338
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				
Low Limit				

Int. Std.	In2306	Y_2243	Y_3600	Y_3774
Line	230.606 {446}	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**1651.8**	**2649.6**	**23481.**	**4651.9**
Stddev	.7	2.0	105.	19.5
%RSD	.04369	.07602	.44793	.41983
#1	1651.3	2648.2	23406.	4665.7
#2	1652.3	2651.0	23555.	4638.1

Sample Name: 480-18228-A-6-A Acquired: 4/9/2012 19:09:31 Type: Unk
Method: ICAP1(v262) Mode: CONC Corr. Factor: 1.000000
User: MDM Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	B_2089	Ba4554	Be3130	Ca3179	Cd2288	Co2286
Line	328.068 {103}	308.215 {109}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	317.933 {106}	228.802 {447}	228.616 {447}
IS Ref	(Y_3600)	(Y_3774)	(Y_2243)	(Y_2243)	(Y_3774)	(Y_3774)	(Y_3774)	(Y_2243)	(In2306)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00054**	**40.092**	**.07994**	**.02839**	**.81828**	**.00469**	**247.98**	**.00178**	**.03178**
Stddev	.00109	.061	.00218	.00049	.00467	.00025	.66	.00007	.00048
%RSD	204.13	.15302	2.7254	1.7415	.57112	5.3349	.26505	4.1887	1.5092
#1	.00024	40.136	.07840	.02873	.82159	.00452	248.45	.00183	.03212
#2	-.00131	40.049	.08148	.02804	.81498	.00487	247.52	.00173	.03144
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Cr2677	Cu3247	Fe2714	K_7664	K_7664-2	Li6707	Mg2790	Mn2576	Mo2020
Line	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}	766.490 { 44}2	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}
IS Ref	(Y_3600)	(Y_3600)	(Y_3774)	(Y_3774)	(Y_3774)	(Y_3774)	(Y_3600)	(Y_3600)	(Y_2243)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.08740**	**.44899**	**107.84**	**11.257**	**12.092**	**.06197**	**44.517**	**.91954**	**.02152**
Stddev	.00064	.00052	.18	.032	.115	.00006	.072	.00088	.00021
%RSD	.72970	.11531	.16912	.28483	.95318	.09275	.16165	.09552	.99187
#1	.08695	.44862	107.97	11.279	12.011	.06193	44.568	.91892	.02137
#2	.08785	.44936	107.71	11.234	12.174	.06201	44.466	.92016	.02167
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Na5895	Ni2316	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899	Sr4077
Line	589.592 { 57}	231.604 {446}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}2	189.989 {477}	407.771 { 83}
IS Ref	(Y_3774)	(In2306)	(In2306)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3774)	(In2306)	(Y_3774)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**3.7725**	**.08997**	**1.7815**	F **55.89**	**.02597**	**.01693**	**17.784**	**.11578**	**.68058**
Stddev	.0159	.00287	.0151	.44	.00078	.00208	.176	.00332	.00369
%RSD	.42196	3.1931	.84578	.7826	3.0045	12.262	.98933	2.8687	.54212
#1	3.7837	.09200	1.7921	56.20	.02541	.01840	17.908	.11813	.68318
#2	3.7612	.08794	1.7708	55.58	.02652	.01546	17.659	.11343	.67797
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				25.00					
Low Limit				-.0100					

Elem	Ti3349	Tl1908	V_2924	Zn2062
Line	334.904 {101}	190.856 {477}	292.402 {115}	206.200 {163}
IS Ref	(Y_3600)	(In2306)	(Y_3600)	(Y_3600)
Units	ppm	ppm	ppm	ppm
Avg	**1.6431**	**-.00342**	**.17448**	**.83593**
Stddev	.0023	.00519	.00146	.00387
%RSD	.14256	151.86	.83433	.46341
#1	1.6447	.00025	.17346	.83319
#2	1.6414	-.00709	.17551	.83867
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				
Low Limit				

Int. Std.	In2306	Y_2243	Y_3600	Y_3774
Line	230.606 {446}	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**1741.5**	**2749.8**	**24308.**	**4710.9**
Stddev	3.5	6.9	22.	7.1
%RSD	.20332	.24982	.09126	.15069
#1	1739.0	2744.9	24292.	4705.9
#2	1744.0	2754.6	24323.	4715.9

Sample Name: 480-18068-C-8-A@5 Acquired: 4/9/2012 19:11:56 Type: Unk
Method: ICAP1(v262) Mode: CONC Corr. Factor: 1.000000
User: MDM Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	B_2089	Ba4554-2	Be3130	Ca3179	Cd2288	Co2286
Line	328.068 {103}	308.215 {109}	189.042 {478}	208.959 {461}	455.403 { 74}2	313.042 {108}	317.933 {106}	228.802 {447}	228.616 {447}
IS Ref	(Y_3600)	(Y_3774)	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3774)	(Y_3774)	(Y_2243)	(In2306)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00122**	**8.9209**	**.02818**	**.00536**	**.11664**	**.00081**	**12.842**	**.00032**	**.01816**
Stddev	.00049	.0016	.00100	.00029	.00015	.00020	.034	.00003	.00010
%RSD	40.489	.01753	3.5537	5.4665	.12757	24.241	.26747	9.0048	.54186
#1	-.00157	8.9220	.02747	.00557	.11653	.00095	12.817	.00034	.01823
#2	-.00087	8.9198	.02889	.00515	.11674	.00067	12.866	.00030	.01809
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Cr2677	Cu3247	Fe2714	K_7664	K_7664-2	Li6707	Mg2790	Mn2576	Mo2020
Line	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}	766.490 { 44}2	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}
IS Ref	(Y_3600)	(Y_3600)	(Y_3774)	(Y_3774)	(Y_3774)	(Y_3774)	(Y_3600)	(Y_3600)	(Y_2243)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.03141**	**.15422**	**92.313**	**1.1562**	**1.0283**	**.01761**	**4.7924**	**.88282**	**.00142**
Stddev	.00009	.00075	.360	.0247	.0133	.00012	.0108	.00288	.00050
%RSD	.27445	.48845	.39028	2.1330	1.2901	.69666	.22560	.32662	35.088
#1	.03135	.15369	92.058	1.1388	1.0377	.01752	4.7847	.88078	.00107
#2	.03147	.15475	92.567	1.1737	1.0189	.01770	4.8000	.88486	.00178
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Na5895	Ni2316	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899	Sr4077
Line	589.592 { 57}	231.604 {446}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}2	189.989 {477}	407.771 { 83}
IS Ref	(Y_3774)	(In2306)	(In2306)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3774)	(In2306)	(Y_3774)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.08618**	**.04128**	**.10937**	**.8476**	**-.00136**	**-.00390**	**3.7658**	**.01057**	**.07653**
Stddev	.00280	.00084	.00121	.0101	.00059	.00098	.0263	.00016	.00056
%RSD	3.2450	2.0399	1.1030	1.192	43.544	25.026	.69726	1.5405	.73719
#1	.08816	.04187	.11022	.8547	-.00177	-.00321	3.7472	.01069	.07613
#2	.08421	.04068	.10852	.8404	-.00094	-.00459	3.7844	.01046	.07693
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Ti3349	Tl1908	V_2924	Zn2062
Line	334.904 {101}	190.856 {477}	292.402 {115}	206.200 {163}
IS Ref	(Y_3600)	(In2306)	(Y_3600)	(Y_3600)
Units	ppm	ppm	ppm	ppm
Avg	**.20602**	**-.00175**	**.03396**	**.12172**
Stddev	.00195	.00044	.00082	.00196
%RSD	.94617	25.334	2.4262	1.6114
#1	.20464	-.00206	.03454	.12034
#2	.20740	-.00144	.03337	.12311
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				
Low Limit				

Int. Std.	In2306	Y_2243	Y_3600	Y_3774
Line	230.606 {446}	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**1980.2**	**2877.5**	**25711.**	**4729.0**
Stddev	2.2	.3	105.	38.0
%RSD	.10884	.01189	.40879	.80300
#1	1981.7	2877.7	25785.	4755.9
#2	1978.6	2877.2	25637.	4702.2

Sample Name: CCV Acquired: 4/9/2012 19:14:18 Type: QC
Method: ICAP1(v262) Mode: CONC Corr. Factor: 1.000000
User: MDM Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	B_2089	Ba4554	Be3130	Ca3179	Cd2288	Co2286	Cr2677	Cu3247	Fe2599	K_7664
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.49423	23.695	.48691	.47642	.49922	.48749	23.669	.49569	.47969	.48351	.47761	24.769	23.699
Stddev	.00308	.185	.00500	.00200	.00114	.00186	.276	.00287	.00072	.00048	.00007	.176	.224
%RSD	.62238	.77913	1.0271	.42014	.22813	.38158	1.1661	.57914	.14992	.09896	.01413	.71181	.94565
#1	.49641	23.564	.49044	.47783	.50003	.48618	23.474	.49772	.48020	.48317	.47756	24.645	23.540
#2	.49206	23.826	.48337	.47500	.49842	.48881	23.864	.49366	.47918	.48385	.47766	24.894	23.857
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value													
Range													

Elem	K_7664-2	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	23.519	.46982	24.851	.51300	.50145	23.503	.49097	.48833	25.09	.49915	.48999	23.497	.51509
Stddev	.322	.00258	.092	.00064	.00346	.197	.00092	.00080	.04	.00166	.00181	.259	.00361
%RSD	1.3673	.55000	.37078	.12443	.69066	.83649	.18733	.16390	.1414	.33170	.36878	1.1013	.70139
#1	23.292	.46799	24.916	.51345	.50390	23.364	.49032	.48889	25.12	.50032	.48871	23.314	.51254
#2	23.747	.47165	24.785	.51255	.49900	23.642	.49162	.48776	25.07	.49798	.49126	23.680	.51764
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value													
Range													

Elem	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm
Avg	.47393	.49841	.49881	.47928	.48855
Stddev	.00234	.00216	.00609	.00521	.00359
%RSD	.49451	.43321	1.2209	1.0866	.73537
#1	.47227	.49993	.50312	.48296	.49109
#2	.47559	.49688	.49451	.47560	.48601
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value					
Range					

Int. Std.	In2306	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	1923.6	2844.4	25074.	4688.3
Stddev	.1	9.2	99.	39.8
%RSD	.00371	.32421	.39371	.84844
#1	1923.6	2837.9	25004.	4716.5
#2	1923.7	2851.0	25144.	4660.2

Sample Name: CCB Acquired: 4/9/2012 19:16:35 Type: QC
Method: ICAP1(v262) Mode: CONC Corr. Factor: 1.000000
User: MDM Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	B_2089	Ba4554-2	Be3130	Ca3179	Cd2288	Co2286	Cr2677	Cu3247	Fe2599	K_7664
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00133**	**.03264**	**.00025**	**-.00176**	**.00002**	**.00003**	**.00490**	**-.00024**	**-.00001**	**-.00020**	**.00010**	**.01005**	**-.00082**
Stddev	.00086	.00404	.00097	.00041	.00003	.00007	.00600	.00019	.00009	.00010	.00070	.00148	.03430
%RSD	64.614	12.378	388.26	23.006	151.64	195.95	122.34	79.325	856.84	52.920	678.23	14.699	4188.0
#1	-.00194	.03550	.00094	-.00205	.00005	-.00001	.00914	-.00038	.00006	-.00027	-.00039	.01109	-.02507
#2	-.00072	.02979	-.00044	-.00148	.00000	.00008	.00066	-.00011	-.00008	-.00012	.00060	.00900	.02343
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit													
Low Limit													

Elem	K_7664-2	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00399**	**-.00014**	**-.00288**	**-.00019**	**.00043**	**-.00539**	**-.00027**	**-.00114**	**-.0010**	**-.00130**	**-.00390**	**-.00241**	**-.00002**
Stddev	.00013	.00037	.00354	.00007	.00032	.00886	.00017	.00064	.0040	.00047	.00188	.00147	.00010
%RSD	3.3261	275.35	123.24	39.034	74.898	164.27	63.196	56.081	424.4	36.615	48.162	60.975	446.68
#1	.00409	-.00040	-.00037	-.00024	.00020	.00087	-.00015	-.00160	-.0038	-.00096	-.00523	-.00137	.00005
#2	.00390	.00013	-.00538	-.00014	.00066	-.01166	-.00039	-.00069	.0019	-.00163	-.00257	-.00344	-.00009
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit													
Low Limit													

Elem	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm
Avg	**.00008**	**-.00043**	**.00148**	**.00095**	**.00001**
Stddev	.00004	.00030	.00092	.00005	.00057
%RSD	49.799	68.165	62.266	5.0601	11113.
#1	.00010	-.00064	.00213	.00099	.00041
#2	.00005	-.00022	.00083	.00092	-.00040
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Int. Std.	In2306	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**2048.2**	**2865.9**	**25512.**	**4642.5**
Stddev	8.8	9.2	31.	17.8
%RSD	.42835	.31992	.12012	.38318
#1	2042.0	2859.4	25490.	4655.1
#2	2054.4	2872.4	25533.	4629.9

Sample Name: 480-18068-C-11-A@5 Acquired: 4/9/2012 19:19:00 Type: Unk
Method: ICAP1(v262) Mode: CONC Corr. Factor: 1.000000
User: MDM Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	B_2089	Ba4554-2	Be3130	Ca3179	Cd2288	Co2286
Line	328.068 {103}	308.215 {109}	189.042 {478}	208.959 {461}	455.403 { 74}2	313.042 {108}	317.933 {106}	228.802 {447}	228.616 {447}
IS Ref	(Y_3600)	(Y_3774)	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3774)	(Y_3774)	(Y_2243)	(In2306)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00124**	**7.9611**	**.05897**	**.00512**	**.14057**	**.00090**	**8.8376**	**.00035**	**.01200**
Stddev	.00015	.0574	.00001	.00002	.00063	.00011	.0300	.00005	.00034
%RSD	11.807	.72086	.01968	.43196	.44757	12.733	.33931	14.038	2.8155
#1	-.00134	7.9206	.05898	.00513	.14013	.00098	8.8164	.00031	.01223
#2	-.00114	8.0017	.05896	.00510	.14102	.00081	8.8588	.00038	.01176
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Cr2677	Cu3247	Fe2714	K_7664	K_7664-2	Li6707	Mg2790	Mn2576	Mo2020
Line	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}	766.490 { 44}2	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}
IS Ref	(Y_3600)	(Y_3600)	(Y_3774)	(Y_3774)	(Y_3774)	(Y_3774)	(Y_3600)	(Y_3600)	(Y_2243)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.02693**	**.18006**	**49.337**	**1.0709**	**.90728**	**.01522**	**3.1897**	**.51949**	**.00349**
Stddev	.00031	.00002	.298	.0690	.00330	.00047	.0106	.00108	.00015
%RSD	1.1328	.00891	.60441	6.4448	.36406	3.0724	.33200	.20882	4.2272
#1	.02714	.18007	49.126	1.0221	.90495	.01555	3.1972	.51872	.00339
#2	.02671	.18004	49.548	1.1197	.90962	.01489	3.1822	.52026	.00360
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Na5895	Ni2316	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899	Sr4077
Line	589.592 { 57}	231.604 {446}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}2	189.989 {477}	407.771 { 83}
IS Ref	(Y_3774)	(In2306)	(In2306)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3774)	(In2306)	(Y_3774)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.10118**	**.03722**	**16.112**	**.9962**	**.00488**	**-.00389**	**3.5873**	**.34657**	**.09002**
Stddev	.00603	.00031	.116	.0166	.00007	.00028	.0030	.00378	.00057
%RSD	5.9576	.81985	.72060	1.663	1.5306	7.2204	.08249	1.0900	.63318
#1	.10544	.03744	16.194	1.008	.00493	-.00369	3.5893	.34924	.08962
#2	.09692	.03701	16.030	.9845	.00483	-.00409	3.5852	.34390	.09043
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Ti3349	Tl1908	V_2924	Zn2062
Line	334.904 {101}	190.856 {477}	292.402 {115}	206.200 {163}
IS Ref	(Y_3600)	(In2306)	(Y_3600)	(Y_3600)
Units	ppm	ppm	ppm	ppm
Avg	**.28847**	**-.00196**	**.02971**	**.12950**
Stddev	.00171	.00038	.00044	.00074
%RSD	.59306	19.527	1.4776	.57059
#1	.28726	-.00224	.03002	.13002
#2	.28968	-.00169	.02940	.12898
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				
Low Limit				

Int. Std.	In2306	Y_2243	Y_3600	Y_3774
Line	230.606 {446}	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**1990.8**	**2854.2**	**25520.**	**4680.7**
Stddev	1.6	5.5	54.	7.3
%RSD	.08014	.19372	.21203	.15682
#1	1989.6	2850.3	25481.	4675.5
#2	1991.9	2858.1	25558.	4685.9

Sample Name: 480-18068-C-12-A@5 Acquired: 4/9/2012 19:21:21 Type: Unk
Method: ICAP1(v262) Mode: CONC Corr. Factor: 1.000000
User: MDM Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	B_2089	Ba4554-2	Be3130	Ca3179	Cd2288	Co2286
Line	328.068 {103}	308.215 {109}	189.042 {478}	208.959 {461}	455.403 { 74}2	313.042 {108}	317.933 {106}	228.802 {447}	228.616 {447}
IS Ref	(Y_3600)	(Y_3774)	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3774)	(Y_3774)	(Y_2243)	(In2306)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00091**	**9.8178**	**.07684**	**.00743**	**.16486**	**.00120**	**11.317**	**.00051**	**.01419**
Stddev	.00051	.0874	.00341	.00111	.00043	.00014	.000	.00004	.00020
%RSD	55.734	.88981	4.4443	14.871	.26109	12.089	.00301	8.3509	1.4213
#1	-.00055	9.8796	.07926	.00821	.16456	.00130	11.317	.00054	.01434
#2	-.00126	9.7560	.07443	.00665	.16517	.00110	11.317	.00048	.01405
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Cr2677	Cu3247	Fe2714	K_7664	K_7664-2	Li6707	Mg2790	Mn2576	Mo2020
Line	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}	766.490 { 44}2	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}
IS Ref	(Y_3600)	(Y_3600)	(Y_3774)	(Y_3774)	(Y_3774)	(Y_3774)	(Y_3600)	(Y_3600)	(Y_2243)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.04435**	**.36864**	**91.914**	**1.5356**	**1.3065**	**.02135**	**4.1909**	**.74301**	**.00354**
Stddev	.00065	.00170	.233	.0105	.0091	.00009	.0095	.00037	.00015
%RSD	1.4755	.46229	.25384	.68654	.69496	.41424	.22738	.04938	4.3323
#1	.04482	.36984	92.079	1.5431	1.3001	.02129	4.1977	.74275	.00343
#2	.04389	.36743	91.749	1.5282	1.3129	.02141	4.1842	.74327	.00365
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Na5895	Ni2316	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899	Sr4077
Line	589.592 { 57}	231.604 {446}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}2	189.989 {477}	407.771 { 83}
IS Ref	(Y_3774)	(In2306)	(In2306)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3774)	(In2306)	(Y_3774)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.18081**	**.05051**	**.65727**	**1.133**	**.00346**	**.00200**	**3.8148**	**.04836**	**.09707**
Stddev	.00618	.00032	.00714	.015	.00198	.00279	.0291	.00123	.00005
%RSD	3.4158	.63220	1.0867	1.351	57.148	139.40	.76280	2.5342	.04952
#1	.17644	.05073	.66232	1.144	.00206	.00397	3.7943	.04923	.09704
#2	.18518	.05028	.65222	1.122	.00486	.00003	3.8354	.04750	.09711
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Ti3349	Tl1908	V_2924	Zn2062
Line	334.904 {101}	190.856 {477}	292.402 {115}	206.200 {163}
IS Ref	(Y_3600)	(In2306)	(Y_3600)	(Y_3600)
Units	ppm	ppm	ppm	ppm
Avg	**.37975**	**-.00155**	**.04127**	**.16390**
Stddev	.00506	.00157	.00033	.00055
%RSD	1.3328	101.61	.78982	.33747
#1	.38333	-.00266	.04150	.16429
#2	.37618	-.00044	.04104	.16350
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				
Low Limit				

Int. Std.	In2306	Y_2243	Y_3600	Y_3774
Line	230.606 {446}	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**1968.6**	**2855.1**	**25449.**	**4679.7**
Stddev	1.6	3.5	20.	9.9
%RSD	.08107	.12302	.07983	.21212
#1	1969.7	2852.6	25435.	4686.7
#2	1967.4	2857.6	25464.	4672.6

Sample Name: 480-18063-D-1-A@5 Acquired: 4/9/2012 19:23:41 Type: Unk
Method: ICAP1(v262) Mode: CONC Corr. Factor: 1.000000
User: MDM Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	B_2089	Ba4554-2	Be3130	Ca3179	Cd2288	Co2286
Line	328.068 {103}	308.215 {109}	189.042 {478}	208.959 {461}	455.403 { 74}2	313.042 {108}	317.933 {106}	228.802 {447}	228.616 {447}
IS Ref	(Y_3600)	(Y_3774)	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3774)	(Y_3774)	(Y_2243)	(In2306)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00151**	**.02960**	**.00483**	**1.1787**	**.15026**	**-.00002**	**47.588**	**.00036**	**.00223**
Stddev	.00004	.00786	.00157	.0048	.00082	.00008	.136	.00012	.00007
%RSD	2.9697	26.548	32.574	.40884	.54603	440.48	.28491	31.843	3.2845
#1	-.00154	.03515	.00371	1.1821	.15084	-.00008	47.492	.00028	.00228
#2	-.00148	.02404	.00594	1.1753	.14968	.00004	47.684	.00044	.00218
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Cr2677	Cu3247	Fe2599	K_7664	K_7664-2	Li6707	Mg2790	Mn2576	Mo2020
Line	267.716 {126}	324.754 {104}	259.940 {130}	766.490 { 44}	766.490 { 44}2	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}
IS Ref	(Y_3600)	(Y_3600)	(Y_3774)	(Y_3774)	(Y_3774)	(Y_3774)	(Y_3600)	(Y_3600)	(Y_2243)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00251**	**.00277**	**1.3552**	**170.77**	**^ *****	**.02436**	**47.596**	**.02564**	**.00028**
Stddev	.00025	.00040	.0167	.31	-----	.00008	.158	.00035	.00040
%RSD	10.003	14.439	1.2340	.18175	-----	.33300	.33145	1.3724	143.47
#1	.00233	.00248	1.3434	170.55	^ -----	.02441	47.708	.02589	.00056
#2	.00268	.00305	1.3670	170.99	^ -----	.02430	47.485	.02539	.00000
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Na8183	Ni2316	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899	Sr4077
Line	818.326 { 41}	231.604 {446}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}2	189.989 {477}	407.771 { 83}
IS Ref	(Y_3774)	(In2306)	(In2306)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3774)	(In2306)	(Y_3774)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**513.68**	**.01678**	**.00132**	**6.675**	**.00019**	**-.00062**	**1.8055**	**.00044**	**1.1234**
Stddev	.11	.00032	.00110	.083	.00014	.00269	.0062	.00037	.0039
%RSD	.02188	1.9067	82.803	1.247	74.057	433.57	.34422	85.233	.34962
#1	513.60	.01655	.00210	6.734	.00009	.00128	1.8099	.00070	1.1206
#2	513.76	.01700	.00055	6.616	.00029	-.00253	1.8011	.00017	1.1261
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Ti3349	Tl1908	V_2924	Zn2062
Line	334.904 {101}	190.856 {477}	292.402 {115}	206.200 {163}
IS Ref	(Y_3600)	(In2306)	(Y_3600)	(Y_3600)
Units	ppm	ppm	ppm	ppm
Avg	**.00212**	**.00053**	**.00145**	**.00207**
Stddev	.00008	.00018	.00037	.00009
%RSD	3.9011	34.317	25.757	4.3936
#1	.00206	.00066	.00171	.00214
#2	.00218	.00040	.00118	.00201
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				
Low Limit				

Int. Std.	In2306	Y_2243	Y_3600	Y_3774
Line	230.606 {446}	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**1679.3**	**2636.2**	**22841.**	**4622.3**
Stddev	2.4	3.5	102.	10.3
%RSD	.14434	.13250	.44577	.22181
#1	1677.6	2633.7	22769.	4615.0
#2	1681.0	2638.7	22913.	4629.5

Sample Name: 480-18066-D-1-A@5 Acquired: 4/9/2012 19:26:08 Type: Unk
Method: ICAP1(v262) Mode: CONC Corr. Factor: 1.000000
User: MDM Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	B_2089	Ba4554-2	Be3130	Ca3179	Cd2288	Co2286
Line	328.068 {103}	308.215 {109}	189.042 {478}	208.959 {461}	455.403 { 74}2	313.042 {108}	317.933 {106}	228.802 {447}	228.616 {447}
IS Ref	(Y_3600)	(Y_3774)	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3774)	(Y_3774)	(Y_2243)	(In2306)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00036**	**.08249**	**.01691**	**2.4971**	**.11548**	**.00024**	**20.399**	**.00008**	**.00766**
Stddev	.00054	.03630	.00170	.0294	.00039	.00015	.169	.00004	.00034
%RSD	148.83	44.002	10.043	1.1763	.34173	62.188	.82902	42.774	4.4705
#1	.00002	.05682	.01571	2.5178	.11576	.00034	20.519	.00011	.00742
#2	-.00075	.10815	.01811	2.4763	.11520	.00013	20.280	.00006	.00790
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Cr2677	Cu3247	Fe2599	K_7664	K_7664-2	Li6707	Mg2790	Mn2576	Mo2020
Line	267.716 {126}	324.754 {104}	259.940 {130}	766.490 { 44}	766.490 { 44}2	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}
IS Ref	(Y_3600)	(Y_3600)	(Y_3774)	(Y_3774)	(Y_3774)	(Y_3774)	(Y_3600)	(Y_3600)	(Y_2243)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.04626**	**.00222**	**1.0780**	**123.17**	**132.66**	**.03709**	**25.538**	**.06546**	**.00337**
Stddev	.00010	.00020	.0012	.78	.55	.00023	.003	.00005	.00017
%RSD	.21063	9.0435	.10714	.63076	.41576	.63217	.01228	.08188	5.0243
#1	.04633	.00207	1.0771	123.72	133.05	.03692	25.536	.06549	.00349
#2	.04619	.00236	1.0788	122.63	132.27	.03726	25.540	.06542	.00325
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Na8183	Ni2316	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899	Sr4077
Line	818.326 { 41}	231.604 {446}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}2	189.989 {477}	407.771 { 83}
IS Ref	(Y_3774)	(In2306)	(In2306)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3774)	(In2306)	(Y_3774)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**440.00**	**.05884**	**.00312**	**9.435**	**.00246**	**-.00743**	**4.4257**	**.01211**	**.22753**
Stddev	.69	.00144	.00161	.075	.00220	.00316	.0048	.00036	.00092
%RSD	.15666	2.4391	51.550	.7954	89.693	42.575	.10757	2.9398	.40381
#1	440.49	.05985	.00426	9.488	.00090	-.00519	4.4290	.01237	.22818
#2	439.51	.05783	.00199	9.382	.00402	-.00967	4.4223	.01186	.22689
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Ti3349	Tl1908	V_2924	Zn2062
Line	334.904 {101}	190.856 {477}	292.402 {115}	206.200 {163}
IS Ref	(Y_3600)	(In2306)	(Y_3600)	(Y_3600)
Units	ppm	ppm	ppm	ppm
Avg	**.04146**	**-.00278**	**.01218**	**.01779**
Stddev	.00004	.00235	.00020	.00008
%RSD	.09522	84.578	1.6383	.44001
#1	.04143	-.00112	.01204	.01785
#2	.04149	-.00444	.01232	.01773
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				
Low Limit				

Int. Std.	In2306	Y_2243	Y_3600	Y_3774
Line	230.606 {446}	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**1717.1**	**2685.4**	**23111.**	**4658.0**
Stddev	3.4	10.8	6.	18.2
%RSD	.19792	.40221	.02782	.39022
#1	1714.7	2677.7	23116.	4645.1
#2	1719.5	2693.0	23107.	4670.8

Sample Name: 480-17744-1 TOT RAW Acquired: 4/9/2012 19:28:38 Type: Unk
Method: ICAP1(v262) Mode: CONC Corr. Factor: 1.000000
User: MDM Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	B_2089	Ba4554-2	Be3130	Ca3179	Cd2288	Co2286
Line	328.068 {103}	308.215 {109}	189.042 {478}	208.959 {461}	455.403 { 74}2	313.042 {108}	317.933 {106}	228.802 {447}	228.616 {447}
IS Ref	(Y_3600)	(Y_3774)	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3774)	(Y_3774)	(Y_2243)	(In2306)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00061**	**.02714**	**-.00167**	**1.6881**	**.04896**	**.00005**	**34.417**	**-.00017**	**.00025**
Stddev	.00020	.02425	.00189	.0165	.00008	.00005	.289	.00022	.00008
%RSD	33.457	89.354	112.77	.97673	.17009	83.209	.84095	129.36	32.050
#1	-.00046	.00999	-.00301	1.6997	.04902	.00009	34.213	-.00001	.00030
#2	-.00075	.04429	-.00034	1.6764	.04890	.00002	34.622	-.00033	.00019
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Cr2677	Cu3247	Fe2599	K_7664	K_7664-2	Li6707	Mg2790	Mn2576	Mo2020
Line	267.716 {126}	324.754 {104}	259.940 {130}	766.490 { 44}	766.490 { 44}2	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}
IS Ref	(Y_3600)	(Y_3600)	(Y_3774)	(Y_3774)	(Y_3774)	(Y_3774)	(Y_3600)	(Y_3600)	(Y_2243)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00014**	**.00154**	**.09700**	**9.1331**	**12.478**	**.10384**	**18.916**	**.01067**	**.00016**
Stddev	.00003	.00044	.00170	.0741	.165	.00006	.016	.00005	.00025
%RSD	18.430	28.319	1.7539	.81126	1.3222	.05484	.08265	.47002	157.51
#1	-.00012	.00184	.09820	9.0807	12.362	.10388	18.927	.01071	.00034
#2	-.00016	.00123	.09579	9.1855	12.595	.10380	18.905	.01064	-.00002
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Na8183	Ni2316	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899	Sr4077
Line	818.326 { 41}	231.604 {446}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}2	189.989 {477}	407.771 { 83}
IS Ref	(Y_3774)	(In2306)	(In2306)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3774)	(In2306)	(Y_3774)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**175.09**	**.00021**	**.00135**	**14.81**	**-.00020**	**.00138**	**4.1799**	**-.00187**	**2.1445**
Stddev	.45	.00104	.00108	.16	.00009	.00273	.0369	.00078	.0138
%RSD	.25490	484.67	79.783	1.067	44.666	197.36	.88232	41.744	.64573
#1	174.78	.00095	.00212	14.92	-.00026	.00331	4.2060	-.00243	2.1347
#2	175.41	-.00052	.00059	14.69	-.00014	-.00055	4.1538	-.00132	2.1542
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Ti3349	Tl1908	V_2924	Zn2062
Line	334.904 {101}	190.856 {477}	292.402 {115}	206.200 {163}
IS Ref	(Y_3600)	(In2306)	(Y_3600)	(Y_3600)
Units	ppm	ppm	ppm	ppm
Avg	**.00053**	**.00309**	**.00143**	**.01673**
Stddev	.00087	.00143	.00067	.00045
%RSD	165.32	46.300	47.137	2.6838
#1	.00115	.00410	.00095	.01705
#2	-.00009	.00208	.00190	.01642
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				
Low Limit				

Int. Std.	In2306	Y_2243	Y_3600	Y_3774
Line	230.606 {446}	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**1920.7**	**2886.1**	**25239.**	**4819.0**
Stddev	7.7	7.8	90.	42.8
%RSD	.40022	.26954	.35653	.88736
#1	1926.2	2891.6	25303.	4849.2
#2	1915.3	2880.6	25176.	4788.7

Sample Name: 480-18016-2 TOT RAW Acquired: 4/9/2012 19:31:02 Type: Unk
Method: ICAP1(v262) Mode: CONC Corr. Factor: 1.000000
User: MDM Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	B_2089	Ba4554-2	Be3130	Ca3179	Cd2288	Co2286
Line	328.068 {103}	308.215 {109}	189.042 {478}	208.959 {461}	455.403 { 74}2	313.042 {108}	317.933 {106}	228.802 {447}	228.616 {447}
IS Ref	(Y_3600)	(Y_3774)	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3774)	(Y_3774)	(Y_2243)	(In2306)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00197**	**.01090**	**.00546**	**.49332**	**.32950**	**-.00007**	**263.09**	**.00018**	**.00038**
Stddev	.00017	.05749	.00118	.00055	.00046	.00001	.48	.00010	.00034
%RSD	8.8244	527.51	21.621	.11086	.13819	18.520	.18303	53.965	90.250
#1	-.00209	.05155	.00463	.49370	.32982	-.00006	262.75	.00011	.00062
#2	-.00184	-.02976	.00629	.49293	.32918	-.00008	263.43	.00025	.00014
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Cr2677	Cu3247	Fe2599	K_7664	K_7664-2	Li6707	Mg2790	Mn2576	Mo2020
Line	267.716 {126}	324.754 {104}	259.940 {130}	766.490 { 44}	766.490 { 44}2	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}
IS Ref	(Y_3600)	(Y_3600)	(Y_3774)	(Y_3774)	(Y_3774)	(Y_3774)	(Y_3600)	(Y_3600)	(Y_2243)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00073**	**.00115**	**8.5604**	**3.6683**	**5.3120**	**.00464**	**83.737**	**.97519**	**.00222**
Stddev	.00045	.00058	.0367	.0129	.1010	.00068	.357	.00575	.00026
%RSD	61.236	50.552	.42825	.35181	1.9017	14.678	.42613	.58962	11.848
#1	.00104	.00157	8.5345	3.6774	5.2406	.00513	83.989	.97926	.00240
#2	.00041	.00074	8.5864	3.6592	5.3834	.00416	83.485	.97113	.00203
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Na8183	Ni2316	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899	Sr4077
Line	818.326 { 41}	231.604 {446}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}2	189.989 {477}	407.771 { 83}
IS Ref	(Y_3774)	(In2306)	(In2306)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3774)	(In2306)	(Y_3774)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**113.56**	**.00248**	**.00013**	F **250.9**	**-.00154**	**.00038**	**5.2190**	**-.00131**	**.94367**
Stddev	.13	.00044	.00088	2.1	.00175	.00257	.0455	.00020	.00169
%RSD	.11566	17.581	688.42	.8477	113.97	672.52	.87125	15.265	.17950
#1	113.66	.00279	.00075	252.4	-.00030	.00220	5.1869	-.00117	.94487
#2	113.47	.00217	-.00049	249.4	-.00278	-.00144	5.2512	-.00145	.94247
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				25.00					
Low Limit				-.0100					

Elem	Ti3349	Tl1908	V_2924	Zn2062
Line	334.904 {101}	190.856 {477}	292.402 {115}	206.200 {163}
IS Ref	(Y_3600)	(In2306)	(Y_3600)	(Y_3600)
Units	ppm	ppm	ppm	ppm
Avg	**.00209**	**-.00014**	**.00278**	**.00029**
Stddev	.00014	.00337	.00057	.00016
%RSD	6.5710	2431.4	20.650	54.107
#1	.00218	-.00252	.00318	.00040
#2	.00199	.00225	.00237	.00018
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				
Low Limit				

Int. Std.	In2306	Y_2243	Y_3600	Y_3774
Line	230.606 {446}	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**1793.8**	**2728.2**	**24083.**	**4727.0**
Stddev	5.9	9.1	60.	15.8
%RSD	.32690	.33219	.24732	.33466
#1	1798.0	2734.7	24040.	4738.2
#2	1789.7	2721.8	24125.	4715.8

Sample Name: 480-18016-4 TOT RAW Acquired: 4/9/2012 19:33:20 Type: Unk
Method: ICAP1(v262) Mode: CONC Corr. Factor: 1.000000
User: MDM Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	B_2089	Ba4554-2	Be3130	Ca3179	Cd2288	Co2286
Line	328.068 {103}	308.215 {109}	189.042 {478}	208.959 {461}	455.403 { 74}2	313.042 {108}	317.933 {106}	228.802 {447}	228.616 {447}
IS Ref	(Y_3600)	(Y_3774)	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3774)	(Y_3774)	(Y_2243)	(In2306)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00144**	**.02376**	**.00203**	**.53400**	**.44198**	**.00001**	**221.48**	**.00006**	**.00024**
Stddev	.00046	.00048	.00167	.00003	.00165	.00007	.85	.00016	.00014
%RSD	31.842	2.0248	82.134	.00632	.37228	894.56	.38414	284.60	58.716
#1	-.00176	.02410	.00322	.53403	.44082	.00006	222.08	.00017	.00014
#2	-.00112	.02342	.00085	.53398	.44314	-.00004	220.88	-.00006	.00034
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Cr2677	Cu3247	Fe2599	K_7664	K_7664-2	Li6707	Mg2790	Mn2576	Mo2020
Line	267.716 {126}	324.754 {104}	259.940 {130}	766.490 { 44}	766.490 { 44}2	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}
IS Ref	(Y_3600)	(Y_3600)	(Y_3774)	(Y_3774)	(Y_3774)	(Y_3774)	(Y_3600)	(Y_3600)	(Y_2243)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00060**	**.00059**	**17.175**	**37.095**	**44.044**	**.01029**	**73.950**	**1.2250**	**.00041**
Stddev	.00025	.00067	.143	.121	.040	.00003	.485	.0045	.00023
%RSD	41.906	112.82	.83313	.32540	.09133	.32888	.65638	.36612	56.640
#1	.00078	.00012	17.276	37.180	44.073	.01032	73.607	1.2218	.00057
#2	.00042	.00107	17.073	37.009	44.016	.01027	74.293	1.2282	.00024
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Na8183	Ni2316	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899	Sr4077
Line	818.326 { 41}	231.604 {446}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}2	189.989 {477}	407.771 { 83}
IS Ref	(Y_3774)	(In2306)	(In2306)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3774)	(In2306)	(Y_3774)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**66.799**	**.00282**	**.00115**	F **217.2**	**-.00338**	**.00066**	**7.4451**	**-.00083**	**.97188**
Stddev	.204	.00030	.00249	2.1	.00172	.00281	.0565	.00042	.00371
%RSD	.30554	10.735	216.66	.9662	50.868	423.95	.75850	50.227	.38163
#1	66.943	.00261	-.00061	218.6	-.00216	-.00132	7.4850	-.00054	.97450
#2	66.655	.00304	.00291	215.7	-.00460	.00265	7.4052	-.00113	.96926
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				25.00					
Low Limit				-.0100					

Elem	Ti3349	Tl1908	V_2924	Zn2062
Line	334.904 {101}	190.856 {477}	292.402 {115}	206.200 {163}
IS Ref	(Y_3600)	(In2306)	(Y_3600)	(Y_3600)
Units	ppm	ppm	ppm	ppm
Avg	**.00193**	**.00214**	**.00456**	**.00193**
Stddev	.00070	.00233	.00062	.00039
%RSD	36.322	108.75	13.559	20.432
#1	.00242	.00378	.00500	.00165
#2	.00143	.00049	.00412	.00221
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				
Low Limit				

Int. Std.	In2306	Y_2243	Y_3600	Y_3774
Line	230.606 {446}	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**1806.2**	**2755.9**	**24054.**	**4682.0**
Stddev	1.2	8.3	48.	10.5
%RSD	.06876	.30109	.19933	.22518
#1	1807.1	2761.7	24088.	4689.5
#2	1805.3	2750.0	24020.	4674.6

Sample Name: 480-18018-2 TOT RAW Acquired: 4/9/2012 19:35:43 Type: Unk
Method: ICAP1(v262) Mode: CONC Corr. Factor: 1.000000
User: MDM Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	B_2089	Ba4554-2	Be3130	Ca3179	Cd2288	Co2286
Line	328.068 {103}	308.215 {109}	189.042 {478}	208.959 {461}	455.403 { 74}2	313.042 {108}	317.933 {106}	228.802 {447}	228.616 {447}
IS Ref	(Y_3600)	(Y_3774)	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3774)	(Y_3774)	(Y_2243)	(In2306)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00159**	**.22712**	**.00497**	**.06891**	**.06445**	**-.00006**	**89.419**	**-.00009**	**.00044**
Stddev	.00027	.02563	.00154	.00030	.00019	.00012	.428	.00010	.00009
%RSD	16.637	11.283	30.897	.43288	.30099	203.38	.47909	109.24	20.518
#1	-.00178	.20900	.00606	.06869	.06458	-.00015	89.722	-.00016	.00038
#2	-.00141	.24524	.00388	.06912	.06431	.00003	89.116	-.00002	.00051
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Cr2677	Cu3247	Fe2599	K_7664	K_7664-2	Li6707	Mg2790	Mn2576	Mo2020
Line	267.716 {126}	324.754 {104}	259.940 {130}	766.490 { 44}	766.490 { 44}2	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}
IS Ref	(Y_3600)	(Y_3600)	(Y_3774)	(Y_3774)	(Y_3774)	(Y_3774)	(Y_3600)	(Y_3600)	(Y_2243)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00088**	**.00207**	**.56400**	**3.6852**	**4.6400**	**.00397**	**28.653**	**.16434**	**.00101**
Stddev	.00096	.00019	.01255	.0152	.0342	.00115	.101	.00040	.00039
%RSD	109.24	9.2640	2.2256	.41331	.73785	28.984	.35404	.24201	38.754
#1	.00020	.00193	.57288	3.6960	4.6158	.00479	28.724	.16462	.00129
#2	.00156	.00220	.55512	3.6744	4.6642	.00316	28.581	.16406	.00074
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Na8183	Ni2316	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899	Sr4077
Line	818.326 { 41}	231.604 {446}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}2	189.989 {477}	407.771 { 83}
IS Ref	(Y_3774)	(In2306)	(In2306)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3774)	(In2306)	(Y_3774)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**76.938**	**.00184**	**.00039**	**23.64**	**.00101**	**-.00211**	**1.5797**	**-.00136**	**.35353**
Stddev	.483	.00080	.00088	.19	.00550	.00173	.0051	.00015	.00088
%RSD	.62783	43.332	224.98	.8245	542.76	82.094	.32419	11.243	.24758
#1	77.279	.00240	.00101	23.78	.00490	-.00334	1.5833	-.00146	.35414
#2	76.596	.00128	-.00023	23.51	-.00287	-.00089	1.5761	-.00125	.35291
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Ti3349	Tl1908	V_2924	Zn2062
Line	334.904 {101}	190.856 {477}	292.402 {115}	206.200 {163}
IS Ref	(Y_3600)	(In2306)	(Y_3600)	(Y_3600)
Units	ppm	ppm	ppm	ppm
Avg	**.00511**	**-.00017**	**.00229**	**.00406**
Stddev	.00008	.00097	.00073	.00042
%RSD	1.6274	565.89	31.799	10.377
#1	.00505	-.00085	.00177	.00436
#2	.00517	.00051	.00280	.00377
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				
Low Limit				

Int. Std.	In2306	Y_2243	Y_3600	Y_3774
Line	230.606 {446}	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**1916.9**	**2841.1**	**24813.**	**4749.8**
Stddev	4.7	6.8	51.	17.1
%RSD	.24767	.24021	.20528	.35936
#1	1920.2	2846.0	24777.	4737.7
#2	1913.5	2836.3	24849.	4761.8

Sample Name: 480-18038-1 TOT RAW Acquired: 4/9/2012 19:38:01 Type: Unk
Method: ICAP1(v262) Mode: CONC Corr. Factor: 1.000000
User: MDM Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	B_2089	Ba4554-2	Be3130	Ca3179	Cd2288	Co2286
Line	328.068 {103}	308.215 {109}	189.042 {478}	208.959 {461}	455.403 { 74}2	313.042 {108}	317.933 {106}	228.802 {447}	228.616 {447}
IS Ref	(Y_3600)	(Y_3774)	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3774)	(Y_3774)	(Y_2243)	(In2306)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00037**	**.02898**	**.00354**	**.01182**	**.03273**	**-.00009**	**23.772**	**-.00044**	**-.00007**
Stddev	.00114	.03410	.00077	.00024	.00006	.00002	.098	.00025	.00021
%RSD	307.41	117.66	21.795	2.0176	.18857	19.634	.41035	56.660	281.26
#1	-.00118	.00487	.00300	.01198	.03277	-.00011	23.703	-.00026	.00007
#2	.00044	.05309	.00409	.01165	.03268	-.00008	23.841	-.00061	-.00022
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Cr2677	Cu3247	Fe2599	K_7664	K_7664-2	Li6707	Mg2790	Mn2576	Mo2020
Line	267.716 {126}	324.754 {104}	259.940 {130}	766.490 { 44}	766.490 { 44}2	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}
IS Ref	(Y_3600)	(Y_3600)	(Y_3774)	(Y_3774)	(Y_3774)	(Y_3774)	(Y_3600)	(Y_3600)	(Y_2243)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00049**	**.00151**	**.02487**	**1.4636**	**1.4806**	**.00534**	**3.8471**	**.07978**	**.00048**
Stddev	.00046	.00027	.00101	.0282	.0098	.00070	.0109	.00007	.00002
%RSD	94.290	17.642	4.0553	1.9279	.66343	13.046	.28352	.09055	3.4652
#1	-.00081	.00133	.02558	1.4437	1.4876	.00583	3.8393	.07973	.00049
#2	-.00016	.00170	.02415	1.4836	1.4737	.00485	3.8548	.07983	.00047
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Na5895	Ni2316	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899	Sr4077
Line	589.592 { 57}	231.604 {446}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}2	189.989 {477}	407.771 { 83}
IS Ref	(Y_3774)	(In2306)	(In2306)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3774)	(In2306)	(Y_3774)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**15.115**	**.00036**	**.00118**	**5.322**	**-.00050**	**-.00194**	**7.7338**	**-.00209**	**.13988**
Stddev	.015	.00072	.00181	.044	.00068	.00178	.0103	.00008	.00010
%RSD	.09650	200.55	153.93	.8323	136.98	91.605	.13264	3.9561	.07118
#1	15.105	.00087	-.00010	5.353	-.00002	-.00068	7.7265	-.00203	.13981
#2	15.126	-.00015	.00246	5.291	-.00098	-.00320	7.7410	-.00215	.13995
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Ti3349	Tl1908	V_2924	Zn2062
Line	334.904 {101}	190.856 {477}	292.402 {115}	206.200 {163}
IS Ref	(Y_3600)	(In2306)	(Y_3600)	(Y_3600)
Units	ppm	ppm	ppm	ppm
Avg	**.00110**	**.00118**	**.00101**	**.00228**
Stddev	.00008	.00248	.00032	.00039
%RSD	6.8714	210.12	31.519	17.014
#1	.00115	-.00057	.00123	.00200
#2	.00105	.00293	.00078	.00255
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				
Low Limit				

Int. Std.	In2306	Y_2243	Y_3600	Y_3774
Line	230.606 {446}	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**2062.0**	**2926.7**	**25756.**	**4755.9**
Stddev	1.3	6.0	33.	14.6
%RSD	.06464	.20535	.12967	.30775
#1	2063.0	2922.4	25732.	4766.3
#2	2061.1	2930.9	25779.	4745.6

Sample Name: 480-18119-18 DIS RAW Acquired: 4/9/2012 19:40:19 Type: Unk
Method: ICAP1(v262) Mode: CONC Corr. Factor: 1.000000
User: MDM Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	B_2089	Ba4554-2	Be3130	Ca3179	Cd2288	Co2286
Line	328.068 {103}	308.215 {109}	189.042 {478}	208.959 {461}	455.403 { 74}2	313.042 {108}	317.933 {106}	228.802 {447}	228.616 {447}
IS Ref	(Y_3600)	(Y_3774)	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3774)	(Y_3774)	(Y_2243)	(In2306)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00091**	**.02262**	**.02361**	**.08350**	**.06464**	**.00007**	**110.92**	**-.00027**	**.00002**
Stddev	.00083	.00629	.00113	.00006	.00016	.00013	.64	.00000	.00006
%RSD	91.144	27.801	4.7813	.06775	.24326	172.98	.57644	1.7569	274.64
#1	-.00150	.01817	.02441	.08346	.06453	-.00002	110.47	-.00026	-.00002
#2	-.00033	.02706	.02282	.08354	.06475	.00016	111.38	-.00027	.00007
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Cr2677	Cu3247	Fe2599	K_7664	K_7664-2	Li6707	Mg2790	Mn2576	Mo2020
Line	267.716 {126}	324.754 {104}	259.940 {130}	766.490 { 44}	766.490 { 44}2	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}
IS Ref	(Y_3600)	(Y_3600)	(Y_3774)	(Y_3774)	(Y_3774)	(Y_3774)	(Y_3600)	(Y_3600)	(Y_2243)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00042**	**.00052**	**1.6798**	**1.9211**	**2.2960**	**.02183**	**63.320**	**.03733**	**.00341**
Stddev	.00031	.00031	.0121	.0142	.0078	.00058	.095	.00027	.00007
%RSD	72.788	60.004	.71907	.73739	.34096	2.6377	.15043	.72067	1.9264
#1	-.00020	.00030	1.6713	1.9111	2.3015	.02142	63.253	.03714	.00346
#2	-.00064	.00074	1.6884	1.9312	2.2904	.02223	63.388	.03752	.00336
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Na5895	Ni2316	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899	Sr4077
Line	589.592 { 57}	231.604 {446}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}2	189.989 {477}	407.771 { 83}
IS Ref	(Y_3774)	(In2306)	(In2306)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3774)	(In2306)	(Y_3774)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**13.858**	**.00035**	**.00106**	F **41.21**	**-.00116**	**-.00084**	**9.9529**	**-.00171**	**.69124**
Stddev	.122	.00009	.00213	.49	.00003	.00332	.1041	.00125	.00709
%RSD	.87802	25.145	201.94	1.193	2.3922	397.16	1.0458	72.921	1.0251
#1	13.772	.00042	.00256	41.56	-.00118	.00151	9.8793	-.00259	.68623
#2	13.944	.00029	-.00045	40.86	-.00114	-.00318	10.027	-.00083	.69625
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				25.00					
Low Limit				-.0100					

Elem	Ti3349	Tl1908	V_2924	Zn2062
Line	334.904 {101}	190.856 {477}	292.402 {115}	206.200 {163}
IS Ref	(Y_3600)	(In2306)	(Y_3600)	(Y_3600)
Units	ppm	ppm	ppm	ppm
Avg	**.00078**	**.00419**	**.00173**	**.00127**
Stddev	.00018	.00101	.00009	.00070
%RSD	23.599	24.131	5.3998	54.654
#1	.00065	.00347	.00180	.00078
#2	.00091	.00490	.00166	.00177
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				
Low Limit				

Int. Std.	In2306	Y_2243	Y_3600	Y_3774
Line	230.606 {446}	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**1901.5**	**2798.1**	**24615.**	**4667.8**
Stddev	4.2	3.8	46.	24.5
%RSD	.22287	.13511	.18546	.52589
#1	1904.5	2800.7	24648.	4685.1
#2	1898.5	2795.4	24583.	4650.4

Sample Name: CCV Acquired: 4/9/2012 19:42:41 Type: QC
Method: ICAP1(v262) Mode: CONC Corr. Factor: 1.000000
User: MDM Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	B_2089	Ba4554	Be3130	Ca3179	Cd2288	Co2286	Cr2677	Cu3247	Fe2599	K_7664
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.49214**	**23.721**	**.48830**	**.47975**	**.49773**	**.48927**	**23.706**	**.49829**	**.47486**	**.48036**	**.47856**	**24.754**	**23.760**
Stddev	.00278	.075	.00187	.00002	.00016	.00046	.084	.00054	.00218	.00008	.00048	.111	.063
%RSD	.56585	.31502	.38323	.00343	.03257	.09470	.35273	.10748	.45867	.01563	.09975	.44884	.26405
#1	.49411	23.668	.48962	.47976	.49762	.48894	23.647	.49867	.47640	.48031	.47890	24.676	23.716
#2	.49017	23.774	.48697	.47974	.49785	.48959	23.765	.49791	.47332	.48042	.47823	24.833	23.805
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value													
Range													

Elem	K_7664-2	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**23.141**	**.47586**	**24.726**	**.50935**	**.50358**	**23.586**	**.48620**	**.48013**	**25.22**	**.50065**	**.49818**	**23.235**	**.50547**
Stddev	.055	.00019	.064	.00204	.00031	.020	.00048	.00021	.06	.00010	.00424	.026	.00367
%RSD	.23667	.04034	.25862	.39976	.06058	.08671	.09878	.04316	.2307	.01937	.85021	.11195	.72577
#1	23.102	.47573	24.771	.51079	.50379	23.571	.48654	.48027	25.27	.50072	.50118	23.216	.50807
#2	23.179	.47600	24.681	.50791	.50336	23.600	.48586	.47998	25.18	.50058	.49519	23.253	.50288
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value													
Range													

Elem	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm
Avg	**.47399**	**.49972**	**.49395**	**.47601**	**.48543**
Stddev	.00041	.00246	.00078	.00017	.00191
%RSD	.08645	.49204	.15844	.03579	.39390
#1	.47370	.50146	.49339	.47613	.48408
#2	.47428	.49798	.49450	.47589	.48679
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value					
Range					

Int. Std.	In2306	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**1895.3**	**2773.5**	**24570.**	**4582.6**
Stddev	4.4	.3	55.	32.8
%RSD	.23028	.01073	.22389	.71634
#1	1892.2	2773.7	24532.	4605.8
#2	1898.4	2773.3	24609.	4559.4

Sample Name: CCB Acquired: 4/9/2012 19:44:58 Type: QC
Method: ICAP1(v262) Mode: CONC Corr. Factor: 1.000000
User: MDM Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	B_2089	Ba4554-2	Be3130	Ca3179	Cd2288	Co2286	Cr2677	Cu3247	Fe2599	K_7664
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00164**	**.00565**	**.00066**	**-.00021**	**.00004**	**.00002**	**.00116**	**-.00018**	**-.00006**	**-.00128**	**.00061**	**.01427**	**-.00906**
Stddev	.00027	.01317	.00050	.00001	.00001	.00001	.00855	.00028	.00017	.00049	.00022	.00385	.00039
%RSD	16.313	233.25	75.793	3.1856	13.952	30.581	736.29	153.41	298.24	38.457	35.463	26.967	4.2846
#1	-.00145	.01496	.00031	-.00021	.00004	.00002	.00720	-.00038	.00006	-.00093	.00077	.01155	-.00934
#2	-.00183	-.00367	.00102	-.00022	.00005	.00001	-.00488	.00002	-.00017	-.00163	.00046	.01699	-.00879
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit													
Low Limit													

Elem	K_7664-2	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00408**	**-.00040**	**-.00655**	**-.00012**	**.00024**	**.00480**	**-.00045**	**-.00024**	F **.0085**	**-.00086**	**-.00117**	**.01360**	**.00001**
Stddev	.00038	.00040	.00199	.00008	.00003	.00698	.00045	.00107	.0025	.00054	.00128	.00224	.00002
%RSD	9.3624	100.63	30.347	61.041	12.139	145.36	99.131	446.72	29.92	63.433	109.37	16.477	389.31
#1	.00381	-.00011	-.00795	-.00007	.00022	.00974	-.00014	.00052	.0067	-.00124	-.00208	.01519	-.00001
#2	.00435	-.00068	-.00514	-.00018	.00027	-.00013	-.00077	-.00099	.0103	-.00047	-.00027	.01202	.00002
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									.0030				
Low Limit									-.0040				

Elem	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm
Avg	**.00012**	**.00012**	**.00126**	**.00126**	**.00065**
Stddev	.00006	.00013	.00145	.00005	.00048
%RSD	47.347	114.44	114.94	3.7584	73.008
#1	.00008	.00021	.00024	.00123	.00099
#2	.00016	.00002	.00229	.00129	.00032
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Int. Std.	In2306	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**2038.7**	**2837.3**	**25298.**	**4591.6**
Stddev	5.5	1.3	161.	32.0
%RSD	.26797	.04440	.63575	.69595
#1	2042.6	2838.2	25184.	4569.0
#2	2034.9	2836.4	25412.	4614.2

Sample Name: CCV Acquired: 4/9/2012 19:47:21 Type: QC
Method: ICAP1(v262) Mode: CONC Corr. Factor: 1.000000
User: MDM Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	B_2089	Ba4554	Be3130	Ca3179	Cd2288	Co2286	Cr2677	Cu3247	Fe2599	K_7664
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.48972	23.761	.48745	.47603	.49615	.48894	23.770	.49465	.47778	.48124	.47532	24.821	23.668
Stddev	.00140	.035	.00174	.00084	.00075	.00032	.043	.00078	.00123	.00034	.00454	.077	.019
%RSD	.28625	.14774	.35711	.17578	.15107	.06595	.18227	.15682	.25809	.07114	.95557	.31113	.08031
#1	.49071	23.786	.48868	.47544	.49668	.48917	23.739	.49520	.47866	.48148	.47853	24.876	23.655
#2	.48873	23.737	.48622	.47662	.49562	.48871	23.800	.49410	.47691	.48100	.47210	24.767	23.682
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value													
Range													

Elem	K_7664-2	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	23.130	.47259	24.734	.51159	.50111	23.503	.49068	.48582	25.11	.49883	.48973	23.231	.51005
Stddev	.057	.00194	.051	.00356	.00147	.071	.00191	.00458	.08	.00291	.00827	.006	.00516
%RSD	.24629	.41052	.20539	.69532	.29398	.30359	.38878	.94259	.3302	.58329	1.6895	.02633	1.0119
#1	23.170	.47122	24.770	.51410	.50216	23.453	.49202	.48905	25.16	.50089	.49558	23.227	.51370
#2	23.090	.47396	24.699	.50907	.50007	23.554	.48933	.48258	25.05	.49678	.48388	23.235	.50640
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value													
Range													

Elem	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm
Avg	.47328	.49931	.49349	.47806	.48885
Stddev	.00084	.00456	.00464	.00446	.00349
%RSD	.17709	.91237	.94081	.93261	.71440
#1	.47269	.50253	.49677	.48121	.49132
#2	.47388	.49609	.49021	.47491	.48638
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value					
Range					

Int. Std.	In2306	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	1907.5	2812.6	24764.	4635.3
Stddev	.2	.7	35.	5.2
%RSD	.00888	.02514	.14114	.11244
#1	1907.4	2812.1	24740.	4631.6
#2	1907.6	2813.1	24789.	4639.0

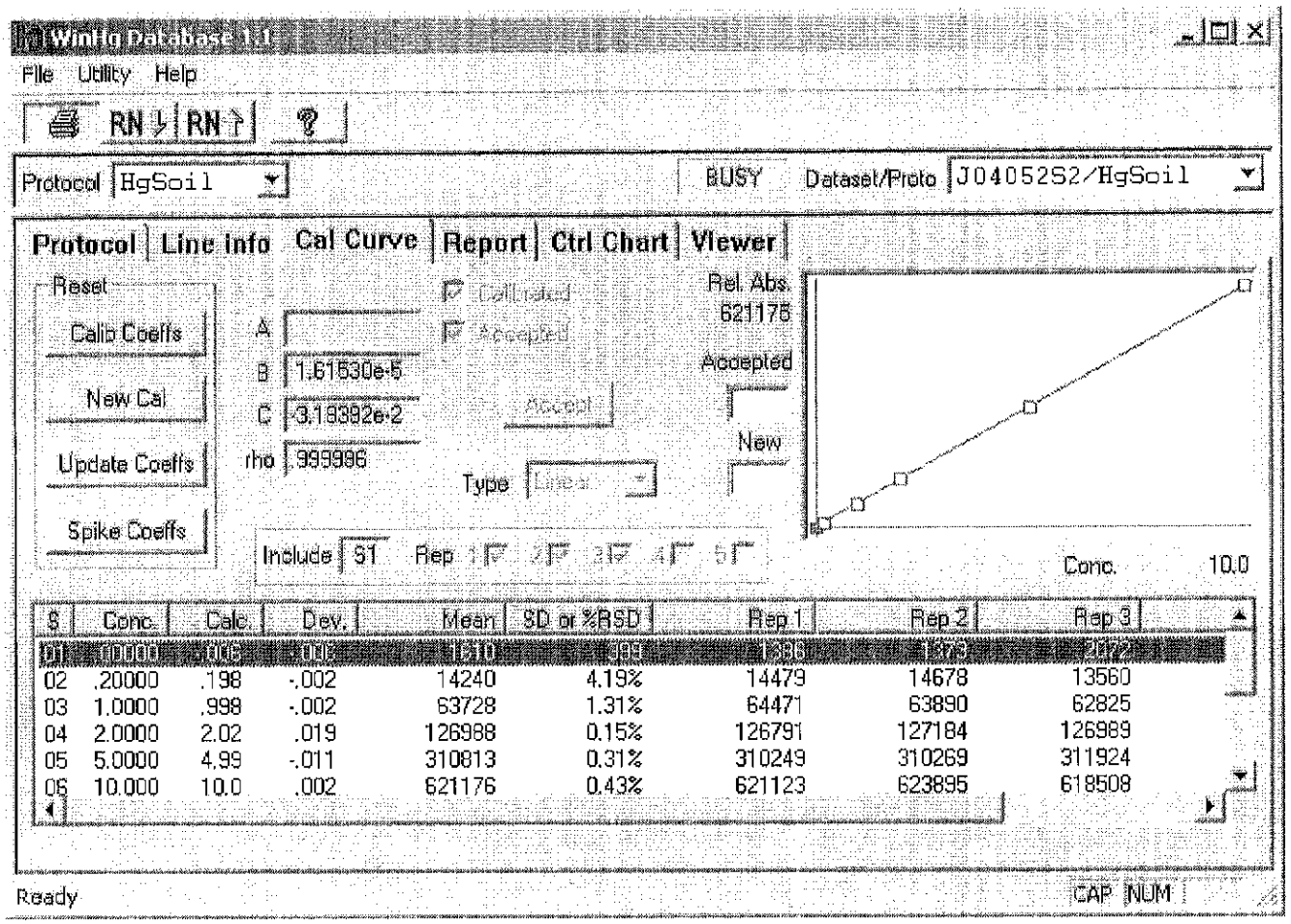
Sample Name: CCB Acquired: 4/9/2012 19:49:38 Type: QC
Method: ICAP1(v262) Mode: CONC Corr. Factor: 1.000000
User: MDM Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	B_2089	Ba4554-2	Be3130	Ca3179	Cd2288	Co2286	Cr2677	Cu3247	Fe2599	K_7664
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00071**	**.03537**	**.00047**	**-.00077**	**.00002**	**.00001**	**.00382**	**-.00007**	**-.00011**	**-.00103**	**-.00015**	**.01822**	**-.01501**
Stddev	.00051	.03710	.00077	.00030	.00001	.00009	.00325	.00014	.00004	.00044	.00041	.00371	.00819
%RSD	72.279	104.88	163.43	38.786	66.272	941.97	84.984	205.07	38.118	42.469	263.61	20.348	54.568
#1	-.00034	.06161	.00101	-.00098	.00003	.00007	.00153	.00003	-.00008	-.00134	.00013	.02084	-.00922
#2	-.00107	.00914	-.00007	-.00056	.00001	-.00005	.00612	-.00016	-.00015	-.00072	-.00044	.01559	-.02080
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit													
Low Limit													

Elem	K_7664-2	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00401**	**-.00097**	**-.00166**	**.00000**	**.00011**	**.00293**	**-.00030**	**-.00102**	F **.0036**	**.00090**	**-.00329**	**.02442**	**-.00031**
Stddev	.00020	.00013	.00571	.00004	.00033	.00362	.00053	.00018	.0028	.00005	.00387	.00546	.00029
%RSD	4.9813	13.773	343.28	3165.2	297.40	123.47	178.89	17.602	76.60	5.3683	117.48	22.355	94.835
#1	.00387	-.00088	.00237	.00003	.00034	.00550	-.00068	-.00089	.0017	.00093	-.00603	.02056	-.00051
#2	.00415	-.00107	-.00570	-.00003	-.00012	.00037	.00008	-.00114	.0056	.00086	-.00056	.02829	-.00010
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									.0030				
Low Limit									-.0040				

Elem	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm
Avg	**-.00002**	**.00029**	**.00152**	**.00178**	**.00088**
Stddev	.00010	.00039	.00171	.00023	.00025
%RSD	560.86	137.48	112.09	12.927	28.070
#1	.00005	.00056	.00032	.00162	.00105
#2	-.00009	.00001	.00273	.00195	.00070
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Int. Std.	In2306	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**2045.4**	**2861.4**	**25423.**	**4574.3**
Stddev	4.3	5.8	154.	15.6
%RSD	.21157	.20166	.60596	.34016
#1	2042.4	2857.3	25314.	4585.3
#2	2048.5	2865.5	25532.	4563.3



L3

4/5/12

58245

Cal: J04052CS
run: J04052S2
batch: 58215

Line	Conc.	Units	SD/RSD	1	2	3	4	5

58245

*** Check Standard: 2 Ck2ICV Seq: 3 11:26:16 05 Apr 12 HG

Line	Flag	%Rcv.	Found	True	Units	SD/RSD
Hg		97.2	2.92	3.00	ppb	.000

*** Check Standard: 1 Ck1ICB Seq: 4 11:27:53 05 Apr 12 HG

Line	Flag	Found	Range(+/-)	Units	SD/RSD
Hg		-.030	.200	ppb	.000

*** Check Standard: 4 Ck4CRA Seq: 5 11:29:12 05 Apr 12 HG

Line	Flag	%Rcv.	Found	True	Units	SD/RSD
Hg		67.3	.135	.200	ppb	.000

*** Check Standard: 3 Ck3CCV Seq: 6 11:30:27 05 Apr 12 HG

Line	Flag	%Rcv.	Found	True	Units	SD/RSD
Hg		99.3	1.99	2.00	ppb	.000

*** Check Standard: 1 Ck1CCB Seq: 7 11:31:33 05 Apr 12 HG

Line	Flag	Found	Range(+/-)	Units	SD/RSD
Hg		-.051	.200	ppb	.000

*** Sample ID: Seq: 8 11:33:20 05 Apr 12 HG
mb 480-58215/1-a

Hg	-.029	ppb	.000	-.029

*** Sample ID: Seq: 9 11:34:37 05 Apr 12 HG
lcssrm 480-58215/2-a

Hg	4.23	ppb	.000	4.23

*** Sample ID: Seq: 10 11:36:04 05 Apr 12 HG
480-17953-b-3-b

Hg	-.036	ppb	.000	-.036

*** Sample ID: Seq: 11 11:37:19 05 Apr 12 HG
480-17954-a-3-b

Hg	-.004	ppb	.000	-.004

*** Sample ID: Seq: 12 11:38:24 05 Apr 12 HG
480-17984-c-1-d

Hg	.074	ppb	.000	.074

*** Sample ID: Seq: 13 11:39:49 05 Apr 12 HG
480-17991-d-1-b

Hg	1.34	ppb	.000	1.34

*** Sample ID: Seq: 14 11:41:00 05 Apr 12 HG
480-18068-c-1-a

Hg	.454	ppb	.000	.454

*** Sample ID: Seq: 15 11:42:08 05 Apr 12 HG
480-18068-c-1-a SD@5

Hg	.078	ppb	.000	.078

*** Sample ID: Seq: 16 11:43:16 05 Apr 12 HG
480-18068-c-1-b ms

Hg	5.06	ppb	.000	5.06

*** Sample ID: Seq: 17 11:44:24 05 Apr 12 HG
480-18068-c-1-c msd

Hg	5.07	ppb	.000	5.07

Line	Conc.	Units	SD/RSD	1	2	3	4	5

*** Check Standard: 3 Ck3CCV Seq: 18 11:45:31 05 Apr 12 HG

Line	Flag	%Rcv.	Found	True	Units	SD/RSD
Hg		115.	2.29	2.00	ppb	.000

*** Check Standard: 1 Ck1CCB Seq: 19 11:47:37 05 Apr 12 HG

Line	Flag	Found	Range(+/-)	Units	SD/RSD
Hg		-.027	.200	ppb	.000

*** Sample ID: Seq: 20 11:48:44 05 Apr 12 HG
480-18068-c-2-a

Hg	2.86	ppb	.000	2.86	

*** Sample ID: Seq: 21 11:50:01 05 Apr 12 HG
480-18068-b-3-a

Hg	.529	ppb	.000	.529	

*** Sample ID: Seq: 22 11:51:08 05 Apr 12 HG
480-18068-b-4-a

Hg	.407	ppb	.000	.407	

*** Sample ID: Seq: 23 11:52:37 05 Apr 12 HG
480-18068-b-5-a

Hg	.572	ppb	.000	.572	

*** Sample ID: Seq: 24 11:54:06 05 Apr 12 HG
480-18068-c-6-a

Hg	.509	ppb	.000	.509	

*** Sample ID: Seq: 25 11:55:21 05 Apr 12 HG
480-18068-a-7-a

Hg	4.07	ppb	.000	4.07	

*** Sample ID: Seq: 26 11:56:27 05 Apr 12 HG
480-18068-a-8-a

Hg	2.97	ppb	.000	2.97	

*** Sample ID: Seq: 27 11:57:32 05 Apr 12 HG
480-18068-a-9-a

Hg	2.98	ppb	.000	2.98	

RE 1:10

*** Sample ID: Seq: 28 11:58:38 05 Apr 12 HG
480-18068-c-10-a

Hg	29.3	H ppb	.000	29.3	

*** Sample ID: Seq: 29 11:59:57 05 Apr 12 HG
480-18068-a-11-a

Hg	23.2	H ppb	.000	23.2	

*** Check Standard: 3 Ck3CCV Seq: 30 12:03:03 05 Apr 12 HG

Line	Flag	%Rcv.	Found	True	Units	SD/RSD
Hg		117.	2.34	2.00	ppb	.000

*** Check Standard: 1 Ck1CCB Seq: 31 12:04:12 05 Apr 12 HG

Line	Flag	Found	Range(+/-)	Units	SD/RSD
Hg		-.057	.200	ppb	.000

*** Sample ID: Seq: 32 12:05:30 05 Apr 12 HG
480-18068-b-12-a

RE 1:10

Hg	17.2	H ppb	.000	17.2	

Line	Conc.	Units	SD/RSD	1	2	3	4	5

*** Sample ID: Seq: 33 12:06:39 05 Apr 12 HG
480-18071-a-1-a

Hg	1.01	ppb	.000	1.01				

*** Sample ID: Seq: 34 12:07:45 05 Apr 12 HG
480-18071-a-2-a

Hg	.955	ppb	.000	.955				

*** Sample ID: Seq: 35 12:08:52 05 Apr 12 HG
480-18107-a-1-a

Hg	1.85	ppb	.000	1.85				

*** Check Standard: 3 Ck3CCV Seq: 36 12:09:58 05 Apr 12 HG

Line	Flag	%Rcv.	Found	True	Units	SD/RSD
Hg		115.	2.30	2.00	ppb	.000

*** Check Standard: 1 Ck1CCB Seq: 37 12:11:05 05 Apr 12 HG

Line	Flag	Found	Range(+/-)	Units	SD/RSD
Hg		-.063	.200	ppb	.000

*** Sample ID: Seq: 38 12:35:57 05 Apr 12 HG
480-18068-c-10-a@10

Hg	3.46	ppb	.000	3.46				

*** Sample ID: Seq: 39 12:37:03 05 Apr 12 HG
480-18068-a-11-a@10

Hg	2.63	ppb	.000	2.63				

*** Sample ID: Seq: 40 12:38:08 05 Apr 12 HG
480-18068-b-12-a@10

Hg	1.87	ppb	.000	1.87				

*** Check Standard: 3 Ck3CCV Seq: 41 12:39:16 05 Apr 12 HG

Line	Flag	%Rcv.	Found	True	Units	SD/RSD
Hg		114.	2.28	2.00	ppb	.000

*** Check Standard: 1 Ck1CCB Seq: 42 12:40:24 05 Apr 12 HG

Line	Flag	Found	Range(+/-)	Units	SD/RSD
Hg		-.049	.200	ppb	.000

METALS BATCH WORKSHEET

Lab Name: TestAmerica Buffalo Job No.: 480-18068-1

SDG No.:

Batch Number: 58242 Batch Start Date: 04/05/12 10:00 Batch Analyst: Setang, Steven

Batch Method: 3050B Batch End Date:

Lab Sample ID	Client Sample ID	Method Chain	Basis	CalcMsg	InitialAmount	FinalAmount	MED_01_Si 00010	MED_01_W1 00008	MED_02_W2 00007
MB 480-58242/1		3050B, 6010B		CALC NOT SET TO RUN	+0.5320 g	50 mL			
LCSSRM 480-58242/2		3050B, 6010B		CALC NOT SET TO RUN	+0.4994 g	50 mL			
480-18068-C-1	RB-03 (0-6")	3050B, 6010B	T	CALC NOT SET TO RUN	+0.4775 g	50 mL			
480-18068-C-2	RB-03 (6"-12")	3050B, 6010B	T	CALC NOT SET TO RUN	+0.4918 g	50 mL			
480-18068-C-3	RB-03 (12"-24")	3050B, 6010B	T	CALC NOT SET TO RUN	+0.5209 g	50 mL			
480-18068-C-3 MS	RB-03 (12"-24")	3050B, 6010B	T	CALC NOT SET TO RUN	+0.5211 g	50 mL	0.5 mL	0.5 mL	0.5 mL
480-18068-C-3 MSD	RB-03 (12"-24")	3050B, 6010B	T	CALC NOT SET TO RUN	+0.5155 g	50 mL	0.5 mL	0.5 mL	0.5 mL
480-18068-C-4	RB-04 (0-6")	3050B, 6010B	T	CALC NOT SET TO RUN	+0.4712 g	50 mL			
480-18068-C-5	RB-04 (6"-12"	3050B, 6010B	T	CALC NOT SET TO RUN	+0.4878 g	50 mL			
480-18068-C-6	RB-04 (12"-24")	3050B, 6010B	T	CALC NOT SET TO RUN	+0.4759 g	50 mL			
480-18068-C-7	RB-05 (0-6")	3050B, 6010B	T	CALC NOT SET TO RUN	+0.5316 g	50 mL			
480-18068-C-8	RB-05 (6"-12"	3050B, 6010B	T	CALC NOT SET TO RUN	+0.5218 g	50 mL			
480-18068-C-9	RB-05 (12"-24")	3050B, 6010B	T	CALC NOT SET TO RUN	+0.5405 g	50 mL			
480-18068-C-10	RB-06 (0-6")	3050B, 6010B	T	CALC NOT SET TO RUN	+0.5248 g	50 mL			
480-18068-C-11	RB-06 (6"-12"	3050B, 6010B	T	CALC NOT SET TO RUN	+0.4626 g	50 mL			
480-18068-C-12	RB-06 (12"-24")	3050B, 6010B	T	CALC NOT SET TO RUN	+0.5007 g	50 mL			

Lab Sample ID	Client Sample ID	Method Chain	Basis	MED_03_Ag 00017	MED_04_Sn 00016	MED_SRM_D072 00001			
MB 480-58242/1		3050B, 6010B							
LCSSRM 480-58242/2		3050B, 6010B				0.5 mL			
480-18068-C-1	RB-03 (0-6")	3050B, 6010B	T						
480-18068-C-2	RB-03 (6"-12")	3050B, 6010B	T						
480-18068-C-3	RB-03 (12"-24")	3050B, 6010B	T						
480-18068-C-3 MS	RB-03 (12"-24")	3050B, 6010B	T	0.5 mL	0.5 mL				

METALS BATCH WORKSHEET

Lab Name: TestAmerica Buffalo Job No.: 480-18068-1

SDG No.:

Batch Number: 58242 Batch Start Date: 04/05/12 10:00 Batch Analyst: Setang, Steven

Batch Method: 3050B Batch End Date:

Lab Sample ID	Client Sample ID	Method Chain	Basis	MED_03_Ag 00017	MED_04_Sn 00016	MED_SRM_D072 00001			
480-18068-C-3 MSD	RB-03 (12"-24")	3050B, 6010B	T	0.5 mL	0.5 mL				
480-18068-C-4	RB-04 (0-6")	3050B, 6010B	T						
480-18068-C-5	RB-04 (6"-12"	3050B, 6010B	T						
480-18068-C-6	RB-04 (12"-24")	3050B, 6010B	T						
480-18068-C-7	RB-05 (0-6")	3050B, 6010B	T						
480-18068-C-8	RB-05 (6"-12"	3050B, 6010B	T						
480-18068-C-9	RB-05 (12"-24")	3050B, 6010B	T						
480-18068-C-10	RB-06 (0-6")	3050B, 6010B	T						
480-18068-C-11	RB-06 (6"-12"	3050B, 6010B	T						
480-18068-C-12	RB-06 (12"-24")	3050B, 6010B	T						

Batch Notes	
Analyst	JMM
Balance ID	25850472
Batch Comment	00701761
Blank Soil Lot Number	298242
First End time	1300
Hydrogen peroxide lot number	J43A18
Lot # of hydrochloric acid	K50038
Lot # of Nitric Acid	L02030
Hot Block ID number	-F-
Oven, Bath or Block Temperature 1	96.7 Degrees C
Pipette ID	MDL-4
First Start time	1000
ID number of the thermometer	58758G320810/2
Digestion Tube/Cup Lot #	1108215
Uncorrected Temperature	96.2 Celsius

Basis	Basis Description
T	Total/NA

METALS BATCH WORKSHEET

Lab Name: TestAmerica Buffalo Job No.: 480-18068-1

SDG No.:

Batch Number: 58215 Batch Start Date: 04/05/12 07:55 Batch Analyst: Kacalski, Jason

Batch Method: 7471A Batch End Date:

Lab Sample ID	Client Sample ID	Method Chain	Basis	InitialAmount	FinalAmount	MEH_HG2_WKG 00061	MEH_SRM_D071 00001		
MB 480-58215/1		7471A, 7471A		+0.6430 g	50 mL				
LCSSRM 480-58215/2		7471A, 7471A		+0.0533 g	50 mL		0.0533 g		
480-18068-C-1	RB-03 (0-6")	7471A, 7471A	T	+0.6116 g	50 mL				
480-18068-C-1 MS	RB-03 (0-6")	7471A, 7471A	T	+0.5815 g	50 mL	2 mL			
480-18068-C-1 MSD	RB-03 (0-6")	7471A, 7471A	T	+0.5927 g	50 mL	2 mL			
480-18068-C-2	RB-03 (6"-12")	7471A, 7471A	T	+0.6201 g	50 mL				
480-18068-B-3	RB-03 (12"-24")	7471A, 7471A	T	+0.6636 g	50 mL				
480-18068-B-4	RB-04 (0-6")	7471A, 7471A	T	+0.6537 g	50 mL				
480-18068-B-5	RB-04 (6"-12"	7471A, 7471A	T	+0.6485 g	50 mL				
480-18068-C-6	RB-04 (12"-24")	7471A, 7471A	T	+0.6008 g	50 mL				
480-18068-A-7	RB-05 (0-6")	7471A, 7471A	T	+0.5943 g	50 mL				
480-18068-A-8	RB-05 (6"-12"	7471A, 7471A	T	+0.5839 g	50 mL				
480-18068-A-9	RB-05 (12"-24")	7471A, 7471A	T	+0.5876 g	50 mL				
480-18068-C-10	RB-06 (0-6")	7471A, 7471A	T	+0.6498 g	50 mL				
480-18068-A-11	RB-06 (6"-12"	7471A, 7471A	T	+0.6165 g	50 mL				
480-18068-B-12	RB-06 (12"-24")	7471A, 7471A	T	+0.5906 g	50 mL				

METALS BATCH WORKSHEET

Lab Name: TestAmerica Buffalo Job No.: 480-18068-1

SDG No.:

Batch Number: 58215 Batch Start Date: 04/05/12 07:55 Batch Analyst: Kacalski, Jason

Batch Method: 7471A Batch End Date:

Batch Notes	
Hydroxylamine Hydrochloride Lot	614754
Balance ID	2580473
Batch Comment	Cal Prep Batch: 58245
Blank Soil Lot Number	G01W019
Lot # of hydrochloric acid	477596
Lot # of Nitric Acid	597534
Hot Block ID number	C
Potassium Permanganate Lot Number	651860
Oven, Bath or Block Temperature 1	94.5
Pipette ID	hgl-5
Stannous Chloride Lot Number	597422
ID number of the thermometer	A-02-24-10
Digestion Tube/Cup Lot #	1107184
Uncorrected Temperature	95.0 Celsius

Basis	Basis Description
T	Total/NA

GENERAL CHEMISTRY

COVER PAGE
GENERAL CHEMISTRY

Lab Name: TestAmerica Buffalo Job Number: 480-18068-1

SDG No.:

Project: ALCO-Maxon Site

Client Sample ID	Lab Sample ID
RB-03 (0-6")	480-18068-1
RB-03 (6"-12")	480-18068-2
RB-03 (12"-24")	480-18068-3
RB-04 (0-6")	480-18068-4
RB-04 (6"-12"	480-18068-5
RB-04 (12"-24")	480-18068-6
RB-05 (0-6")	480-18068-7
RB-05 (6"-12"	480-18068-8
RB-05 (12"-24")	480-18068-9
RB-06 (0-6")	480-18068-10
RB-06 (6"-12"	480-18068-11
RB-06 (12"-24")	480-18068-12
SB-A1 (15'-15'8")	480-18068-13
SB-A2 (10'-11')	480-18068-14
SB-A3 (5'-6'1")	480-18068-15
DUP-03	480-18068-16

Comments:

9-IN
DETECTION LIMITS
GENERAL CHEMISTRY

Lab Name: TestAmerica Buffalo Job Number: 480-18068-1

SDG Number:

Matrix: Solid Instrument ID: NOEQUIP

Method: Moisture RL Date: 08/17/2009 12:10

Analyte	Wavelength/ Mass	RL (%)	
Percent Moisture		0.1	
Percent Solids		0.1	

9-IN
CALIBRATION BLANK DETECTION LIMITS
GENERAL CHEMISTRY

Lab Name: TestAmerica Buffalo Job Number: 480-18068-1

SDG Number:

Matrix: Solid Instrument ID: NOEQUIP

Method: Moisture XRL Date: 08/17/2009 12:10

Analyte	Wavelength/ Mass	XRL (%)	
Percent Moisture		0.1	
Percent Solids		0.1	

13-IN
ANALYSIS RUN LOG
GENERAL CHEMISTRY

Lab Name: TestAmerica Buffalo Job No.: 480-18068-1

SDG No.:

Instrument ID: NOEQUIP Method: Moisture

Start Date: 04/05/2012 11:21 End Date: 04/05/2012 11:21

Lab Sample ID	D / F	Type	Time	Analytes																				
				% Sol	Moist																			
ZZZZZZ			11:21																					
ZZZZZZ			11:21																					
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480-18068-1	1	T	11:21	X	X																			
480-18068-2	1	T	11:21	X	X																			
480-18068-3	1	T	11:21	X	X																			
480-18068-4	1	T	11:21	X	X																			
480-18068-5	1	T	11:21	X	X																			
480-18068-6	1	T	11:21	X	X																			
480-18068-7	1	T	11:21	X	X																			
480-18068-8	1	T	11:21	X	X																			
480-18068-9	1	T	11:21	X	X																			
480-18068-10	1	T	11:21	X	X																			
480-18068-11	1	T	11:21	X	X																			
480-18068-12	1	T	11:21	X	X																			
480-18068-13	1	T	11:21	X	X																			
480-18068-14	1	T	11:21	X	X																			
480-18068-15	1	T	11:21	X	X																			
480-18068-15 MS	1	T	11:21	X	X																			

13-IN
ANALYSIS RUN LOG
GENERAL CHEMISTRY

Lab Name: TestAmerica Buffalo Job No.: 480-18068-1

SDG No.:

Instrument ID: NOEQUIP Method: Moisture

Start Date: 04/05/2012 11:21 End Date: 04/05/2012 11:21

Lab Sample ID	D / F	Type	Time	Analytes																				
				% Sol	Moist																			
480-18068-15 MSD	1	T	11:21	X	X																			
480-18068-16	1	T	11:21	X	X																			
ZZZZZZ			11:21																					
ZZZZZZ			11:21																					
ZZZZZZ			11:21																					
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Prep Types
T = Total/NA

GENERAL CHEMISTRY BATCH WORKSHEET

Lab Name: TestAmerica Buffalo Job No.: 480-18068-1

SDG No.:

Batch Number: 58314 Batch Start Date: 04/05/12 11:21 Batch Analyst: Robitaille, Zach L

Batch Method: Moisture Batch End Date:

Lab Sample ID	Client Sample ID	Method Chain	Basis	DISH#	DishWeight	SampleMassWet	SampleMassDry		
480-18068-A-1	RB-03 (0-6")	Moisture	T	27	4.35 g	13.26 g	11.08 g		
480-18068-A-2	RB-03 (6"-12")	Moisture	T	28	4.35 g	9.23 g	8.34 g		
480-18068-A-3	RB-03 (12"-24")	Moisture	T	29	4.35 g	10.69 g	9.24 g		
480-18068-A-4	RB-04 (0-6")	Moisture	T	30	4.35 g	11.59 g	9.75 g		
480-18068-A-5	RB-04 (6"-12"	Moisture	T	31	4.35 g	13.81 g	11.36 g		
480-18068-A-6	RB-04 (12"-24")	Moisture	T	32	4.35 g	12.68 g	10.50 g		
480-18068-A-7	RB-05 (0-6")	Moisture	T	33	4.35 g	11.57 g	10.00 g		
480-18068-A-8	RB-05 (6"-12"	Moisture	T	34	4.35 g	15.29 g	13.90 g		
480-18068-A-9	RB-05 (12"-24")	Moisture	T	35	4.30 g	11.48 g	10.36 g		
480-18068-A-10	RB-06 (0-6")	Moisture	T	36	4.30 g	13.97 g	12.99 g		
480-18068-A-11	RB-06 (6"-12"	Moisture	T	37	4.30 g	11.14 g	10.35 g		
480-18068-A-12	RB-06 (12"-24")	Moisture	T	38	4.30 g	10.24 g	9.58 g		
480-18068-A-13	SB-A1 (15'-15'8")	Moisture	T	39	4.30 g	11.84 g	10.53 g		
480-18068-A-14	SB-A2 (10'-11')	Moisture	T	40	4.30 g	11.81 g	11.20 g		
480-18068-A-15	SB-A3 (5'-6'1")	Moisture	T	41	4.30 g	12.49 g	11.96 g		
480-18068-A-15 MS	SB-A3 (5'-6'1")	Moisture	T	41	4.30 g	12.49 g	11.96 g		
480-18068-A-15 MSD	SB-A3 (5'-6'1")	Moisture	T	41	4.30 g	12.49 g	11.96 g		
480-18068-A-16	DUP-03	Moisture	T	42	4.30 g	12.18 g	11.27 g		

Batch Notes	
Batch Comment	pp-bsl-0311 4.35, 4.30
Date samples were placed in the oven	04/05/12
Time samples were place in the oven	1121

Basis	Basis Description
T	Total/NA

Shipping and Receiving Documents

TestAmerica Buffalo
10 Hazelwood Drive
Amherst, NY 14228-2298
Phone (716) 691-2600 Fax (716) 691-7991

Chain of Custody Record

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

Client Information	Sampler: Rosevems	Lab PM: Gray-Erdmann, Peggy	Carrier Tracking No(s):	COC No: 480-20488-5165.2
Client Contact: ~~Katie Flood~~ Sarah Newell	Phone: 518-453-4500	E-Mail: peggy.gray-erdmann@testamericainc.com		Page: Page 1 of 87
Company: CHA Inc				Job #:
Address: 111 Winner Circle PO BOX 5269	Due Date Requested:			
City: Albany	TAT Requested (days): Standard			
State, Zip: NY, 12205-0269				
Phone: 518-453-8749(Tel)	PO #: ~~14600.2001.44000~~ 23816.2000.44080			
Email: snewell ~~kflood~~@chacompanies.com	WO #:			
Project Name: ALCO-Maxon Site	Project #: 48004698			
Site:	SSOW#:			

Analysis Requested

Preservation Codes:
A - HCL, B - NaOH, C - Zn Acetate, D - Nitric Acid, E - NaHSO4, F - MeOH, G - Amchlor, H - Ascorbic Acid, I - Ice, J - DI Water, K - EDTA, L - EDA, M - Hexane, N - None, O - AsNaO2, P - Na2O4S, O - Na2SO3, R - Na2S2SO3, S - H2SO4, T - TSP Dodecahydrate, U - Acetone, V - MCAA, W - ph 4-5, Z - other (specify)
Other:

Sample Identification	Sample Date	Sample Time	Sample Type (C=comp, G=grab)	Matrix (Wastewater, Sediment, Drinking Water, Tissue, Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	Lloyd_Kahn - Total Organic Carbon	8260B - (MOD) TCL list OLM04.2	8082 - TCL PCBs - OLM04.2	8270C - (MOD) TCL SVOA - OLM04.2	6010B, 7471A	Total Number of containers	Special Instructions/Note:
			Preservation Code:				N	N	N	N	N		
RB-10 (6-12")	4-5-12	3:20	G	Solid				✓	✓	✓	✓		
RB-10 (12"-24")		3:30		Solid									
RB-11 (0-6")		5:00		Solid									
RB-12 (0-6")		5:10		Solid									
RB-01 (0-6")		3:45		Solid									
~~RB-01~~ MS (RB-01)		3:45		Solid									
MSD (RB-01)		3:45		Solid									
RB-01 (6"-12")		4:00		Solid									
RB-01 (12"-24")		4:10		Solid									
RB-02 (0-6")		4:20		Solid									
RB-02 (6"-12")		4:40		Solid									

Possible Hazard Identification
☒ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown ☐ Radiological

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)
☐ Return To Client ☒ Disposal By Lab ☐ Archive For ____ Months

Deliverable Requested: I, II, III, IV, Other (specify)

Special Instructions/QC Requirements:

Empty Kit Relinquished by:	Date:	Time:	Method of Shipment:

	Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
1		4-6-12/1030			4/6/12 10:30	
2		4/6/12 1700	FOC		4-7-12 900	FCL
3	Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company

Custody Seals Intact: △ Yes △ No
Custody Seal No.:
Cooler Temperature(s) °C and Other Remarks: 3.9 #1

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04/20/2012

TestAmerica Buffalo
10 Hazelwood Drive
Amherst, NY 14228-2298
Phone (716) 691-2600 Fax (716) 691-7991

Chain of Custody Record

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

Client Information	Sampler: Rosecrans	Lab PM: Gray-Erdmann, Peggy	Carrier Tracking No(s):	COC No: 480-20488-5165.2
Client Contact: ~~Katie Flood~~ Sarah Newell	Phone: 518-453-4500	E-Mail: peggy.gray-erdmann@testamericainc.com		Page: Page 2 of 2
Company: CHA Inc				Job #:
Address: 111 Winner Circle PO BOX 5269	Due Date Requested:			
City: Albany	TAT Requested (days): Standard			
State, Zip: NY, 12205-0269				
Phone: 518-453-8749(Tel)	PO #: ~~14000.2001.44000~~ 23816-2000.44000			
Email: Snewell ~~kflood~~@chacompanies.com	WO #:			
Project Name: ALCO-Maxon Site	Project #: 48004698			
Site:	SSOW#:			

Analysis Requested

Preservation Codes:
A - HCL, B - NaOH, C - Zn Acetate, D - Nitric Acid, E - NaHSO4, F - MeOH, G - Amchlor, H - Ascorbic Acid, I - Ice, J - DI Water, K - EDTA, L - EDA, M - Hexane, N - None, O - AsNaO2, P - Na2O4S, Q - Na2SO3, R - Na2S2SO3, S - H2SO4, T - TSP Dodecahydrate, U - Acetone, V - MCAA, W - ph 4-5, Z - other (specify)
Other:

Sample Identification	Sample Date	Sample Time	Sample Type (C=comp, G=grab)	Matrix (Water, Solid, Oil/Waste, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	Lloyd_Kahn - Total Organic Carbon	8260B - (MOD) TCL list OLM04.2	8082 - TCL PCBs - OLM04.2	8270C - (MOD) TCL SVOA - OLM04.2	6010B, 7471A	Total Number of containers	Special Instructions/Note:
			Preservation Code:				N	N	N	N	N		
RB-03 (12-24')	4-5-12	4:50	G	Solid				✓	✓	✓	✓		
DUP-03	↓	4:30	↓	Solid				✓	✓	✓	✓		
TRIP BLANK	NA	NA	LW	~~Solid~~ Water				✓					
				Solid									
				Solid									
				Solid									
				Solid									
				Solid									
				Solid									
				Solid									
				Solid									
				Solid									

Possible Hazard Identification
☑ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown ☐ Radiological

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)
☐ Return To Client ☒ Disposal By Lab ☐ Archive For _____ Months

Deliverable Requested: I, II, III, IV, Other (specify)

Special Instructions/QC Requirements:

Empty Kit Relinquished by:	Date:	Time:	Method of Shipment:

	Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
1		4-6-12 1030			4/6/12 10:30	
2		4/6/12 1700	TAL		4-7-12 900	
3	Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company

Custody Seals Intact: Δ Yes Δ No	Custody Seal No.:	Cooler Temperature(s) °C and Other Remarks: 3.9-4

Login Sample Receipt Checklist

Client: CHA Inc

Job Number: 480-18068-1

Login Number: 18068

List Source: TestAmerica Buffalo

List Number: 1

Creator: Robitaille, Zach L

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	2.6, 2.4, 2.8 #2
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the sample IDs on the containers and the COC.	True	
Samples are received within Holding Time.	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
VOA sample vials do not have headspace or bubble is <6mm (1/4") in diameter.	True	
If necessary, staff have been informed of any short hold time or quick TAT needs	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Sampling Company provided.	True	CHA
Samples received within 48 hours of sampling.	True	
Samples requiring field filtration have been filtered in the field.	N/A	
Chlorine Residual checked.	N/A	