TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

ANALYTICAL REPORT

Job Number: 480-18292-1

Job Description: ALCO-Maxon Site

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

Attention: Ms. Sarah Newell

Approved for release.
Peggy Gray-Erdmann
Project Manager II
4/20/2012 4:17 PM

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04/20/2012

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Job Narrative
480-18292-1

Comments
No additional comments.

Receipt
The samples were received on 4/7/2012 9:00 AM; the samples arrived in good condition, properly preserved and on ice. The temperature of the cooler at receipt was 3.90 C.

GC/MS VOA
Method(s) 8260B: The matrix spike / matrix spike duplicate (MS/MSD) precision for batch 59033 was outside control limits. .

Method(s) 8260B: The matrix spike / matrix spike duplicate (MS/MSD) recoveries for batch 59033 were outside control limits. The associated laboratory control sample (LCS) recovery met acceptance criteria.

No other analytical or quality issues were noted.

GC/MS Semi VOA
Method(s) 8270C: The following samples were diluted due to viscosity: DUP-03 (480-18292-11), RB-01 (0-6") (480-18292-5), RB-01 (0-6") MS (480-18292-5 MS), RB-01 (0-6") MSD (480-18292-5 MSD), RB-01 (12-24") (480-18292-7), RB-01 (6-12") (480-18292-6), RB-02 (0-6") (480-18292-8), RB-02 (12-24") (480-18292-10), RB-02 (6-12") (480-18292-9), RB-10 (12-24") (480-18292-2), RB-10 (6-12") (480-18292-1), RB-11 (0-6") (480-18292-3), RB-12 (0-6") (480-18292-4). Elevated reporting limits (RL) are provided.

Method(s) 8270C: The matrix spike and matrix spike duplicate (MS/MSD) recoveries for preparation batch 480-58845 were outside control limits. As a result of the required dilutions the analytes 4-Nitrophenol and Pentachlorophenol were not recovered in the MS/MSD. The associated laboratory control sample (LCS) recovery met acceptance criteria.

Method(s) 8270C: The following sample contained one acid surrogate outside acceptance limits: RB-01 (0-6") (480-18292-5). The laboratory's SOP allows one acid surrogate to be outside acceptance limits; therefore, re-extraction/re-analysis was not performed. This result has been reported and qualified.

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 Method Blank for batch 480-58875 contained total calcium, cadmium, antimony, and manganese above the method detection limits. These target analyte concentrations was less than the reporting limits (RLs); therefore, re-extraction and/or re-analysis of samples DUP-03 (480-18292-11), RB-01 (12-24") (480-18292-7), RB-01 (6-12") (480-18292-6), RB-02 (0-6") (480-18292-8), RB-02 (12-24") (480-18292-10), RB-02 (6-12") (480-18292-9), RB-10 (12-24") (480-18292-2), RB-10 (6-12") (480-18292-1), RB-11 (0-6") (480-18292-3), RB-12 (0-6") (480-18292-4) was not performed.

Method(s) 6010B: The Method Blank for batch 480-58875 contained total calcium, cadmium, manganese, and antimony 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 RB-01 (0-6") (480-18292-5) was not performed.

Method(s) 6010B: The recovery of Post Spike, (480-18292-5 PDS), in batch 480-58875 exhibited results below the quality control limits for total calcium, iron, and manganese. However, the Serial Dilution of this sample was compliant. Therefore, no corrective action was necessary

Method(s) 6010B: The Matrix Spike/ Matrix Spike Duplicate (MS/MSD) recoveries for total aluminum in batch 480-58875 were outside control limits. The Matrix Spike was also outside the quality control limits for total magnesium. Non-homogeneity of the sample matrix 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) recovery for total barium in batch 480-58875 was outside control limits. Non-homogeneity of the sample matrix is suspected. The associated Laboratory Control Sample (LCS) recovery met acceptance criteria, therefore no corrective action was necessary.

Method(s) 6010B: The Matrix Spike/ Matrix Spike Duplicate (MS/MSD) precision for batch 58875 was outside quality control limits for total magnesium. Non-homogeneity of the sample matrix is suspected. The associated Laboratory Control Sample (LCS) met acceptance criteria, therefore, no corrective action was necssary.

Method(s) 7471A: The Matrix Spike / Matrix Spike Duplicate (MS/MSD) recoveries for batch 58653 were outside control limits for total mercury. The associated laboratory control sample (LCS) recovery met acceptance criteria.

Method(s) 7471A: The Serial Dilution (480-18292-5 SD) in batch 58653, exhibited results outside the quality control limits for total mercury. However, the standard reference material was compliant so no corrective action was necessary.

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.: 480-18292-1

SDG No.:

Instrument ID: HP5973G Analysis Batch Number: 58822

Lab Sample ID: STD 480-58822/6 ICIS Client Sample ID:

Date Analyzed: 04/09/12 21:24 Lab File ID: G10841.D GC Column: ZB-624 (60) ID: 0.25(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Trichlorofluoromethane	2.11	Split Peak	larsonr	04/09/12 22:54

Lab Sample ID: STD 480-58822/10 IC Client Sample ID:

Date Analyzed: 04/09/12 23:46 Lab File ID: G10845.D GC Column: ZB-624 (60) ID: 0.25(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Allyl chloride	2.88	Assign Peak	coderd	04/10/12 08:36

GC/MS SEMI VOA MANUAL INTEGRATION SUMMARY

Lab Name: TestAmerica Buffalo Job No.: 480-18292-1

SDG No.:

Instrument ID: HP5973V Analysis Batch Number: 53870

Lab Sample ID: IC 480-53870/8 Client Sample ID:

Date Analyzed: 03/05/12 14:58 Lab File ID: V7103.D GC Column: RXI-5Sil MS ID: 0.25(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Caprolactam	8.25	Assign Peak	pfenderk	03/05/12 16:38

GC/MS SEMI VOA MANUAL INTEGRATION SUMMARY

Lab Name: TestAmerica Buffalo Job No.: 480-18292-1

SDG No.:

Instrument ID: HP5973V Analysis Batch Number: 58695

Lab Sample ID: IC 480-58695/2 Client Sample ID:

Date Analyzed: 04/09/12 14:10 Lab File ID: V8758.D GC Column: RXI-5Sil MS ID: 0.25(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
N-Nitrosodimethylamine	2.77	Assign Peak	lyh	04/09/12 15:30
Pyridine	2.83	Assign Peak	lyh	04/09/12 15:30
2,4,5-Trichlorophenol	9.04	Assign Peak	lyh	04/09/12 15:30
2-Nitroaniline	9.38	Assign Peak	lyh	04/09/12 15:30
3-Nitroaniline	9.94	Assign Peak	lyh	04/09/12 15:30
2,4-Dinitrophenol	10.09	Assign Peak	lyh	04/09/12 15:30
4-Nitrophenol	10.21	Assign Peak	lyh	04/09/12 16:40
4-Nitroaniline	10.67	Assign Peak	lyh	04/09/12 15:30
Pentachlorophenol	11.45	Assign Peak	lyh	04/09/12 15:30
3,3'-Dichlorobenzidine	14.09	Assign Peak	lyh	04/09/12 15:30
Benzo(k)fluoranthene	15.13	Assign Peak	lyh	04/09/12 15:30
Indeno(1,2,3-cd)pyrene	16.78	Assign Peak	lyh	04/09/12 15:30
Dibenz(a,h)anthracene	16.81	Assign Peak	lyh	04/09/12 15:30

Lab Sample ID: IC 480-58695/3 Client Sample ID:

Date Analyzed: 04/09/12 14:38 Lab File ID: V8759.D GC Column: RXI-5Sil MS ID: 0.25(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Pyridine	2.82	Assign Peak	lyh	04/09/12 15:33
2,4-Dinitrophenol	10.06	Assign Peak	lyh	04/09/12 15:33

Lab Sample ID: ICIS 480-58695/4 Client Sample ID:

Date Analyzed: 04/09/12 15:02 Lab File ID: V8760.D GC Column: RXI-5Sil MS ID: 0.25(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Pyridine	2.82	Assign Peak	lyh	04/09/12 15:24

GC/MS SEMI VOA MANUAL INTEGRATION SUMMARY

Lab Name: TestAmerica Buffalo Job No.: 480-18292-1

SDG No.:

Instrument ID: HP5973V Analysis Batch Number: 58695

Lab Sample ID: IC 480-58695/5 Client Sample ID:

Date Analyzed: 04/09/12 15:27 Lab File ID: V8761.D GC Column: RXI-5Sil MS ID: 0.25(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Pyridine	2.83	Assign Peak	lyh	04/09/12 16:32

GC/MS SEMI VOA MANUAL INTEGRATION SUMMARY

Lab Name: TestAmerica Buffalo Job No.: 480-18292-1

SDG No.:

Instrument ID: HP5973V Analysis Batch Number: 59155

Lab Sample ID: CCVIS 480-59155/2 Client Sample ID:

Date Analyzed: 04/11/12 20:41 Lab File ID: V8860.D GC Column: RXI-5Sil MS ID: 0.25(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Pyridine	2.83	Assign Peak	lyh	04/12/12 10:07

Lab Sample ID: 480-18292-5 MS Client Sample ID: RB-01 (0-6") MS

Date Analyzed: 04/11/12 22:18 Lab File ID: V8864.D GC Column: RXI-5Sil MS ID: 0.25(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
2-Fluorophenol	4.33	Assign Peak	lyh	04/12/12 10:22
2-Chlorophenol	5.74	Assign Peak	lyh	04/12/12 10:22
2,4,5-Trichlorophenol	9.05	Assign Peak	lyh	04/12/12 10:22

Lab Sample ID: 480-18292-5 MSD Client Sample ID: RB-01 (0-6") MSD

Date Analyzed: 04/11/12 22:41 Lab File ID: V8865.D GC Column: RXI-5Sil MS ID: 0.25(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Caprolactam	8.27	Assign Peak	lyh	04/12/12 10:26
4,6-Dinitro-2-methylphenol	10.70	Assign Peak	lyh	04/12/12 10:26

Lab Sample ID: 480-18292-1 Client Sample ID: RB-10 (6-12")

Date Analyzed: 04/11/12 23:05 Lab File ID: V8866.D GC Column: RXI-5Sil MS ID: 0.25(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Benzo(b)fluoranthene	15.10	Coelution	lyh	04/12/12 10:35
Benzo(k)fluoranthene	15.11	Coelution	lyh	04/12/12 10:35

GC/MS SEMI VOA MANUAL INTEGRATION SUMMARY

Lab Name: TestAmerica Buffalo Job No.: 480-18292-1

SDG No.:

Instrument ID: HP5973V Analysis Batch Number: 59155

Lab Sample ID: 480-18292-2 Client Sample ID: RB-10 (12-24")

Date Analyzed: 04/11/12 23:29 Lab File ID: V8867.D GC Column: RXI-5Sil MS ID: 0.25(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Biphenyl	9.21	Assign Peak	lyh	04/12/12 10:40
Benzo(b)fluoranthene	15.10	Coelution	lyh	04/12/12 10:40
Benzo(k)fluoranthene	15.12	Coelution	lyh	04/12/12 10:40

Lab Sample ID: 480-18292-3 Client Sample ID: RB-11 (0-6")

Date Analyzed: 04/11/12 23:53 Lab File ID: V8868.D GC Column: RXI-5Sil MS ID: 0.25(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Benzo(k)fluoranthene	15.12	Assign Peak	lyh	04/12/12 10:44
Dibenz(a,h)anthracene	16.75	Assign Peak	lyh	04/12/12 10:44

Lab Sample ID: 480-18292-4 Client Sample ID: RB-12 (0-6")

Date Analyzed: 04/12/12 00:17 Lab File ID: V8869.D GC Column: RXI-5Sil MS ID: 0.25(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
2-Fluorophenol	4.33	Assign Peak	lyh	04/12/12 10:48
2,4,6-Tribromophenol	10.90	Assign Peak	lyh	04/12/12 10:48
Benzo(b)fluoranthene	15.10	Coelution	lyh	04/12/12 10:48
Benzo(k)fluoranthene	15.12	Coelution	lyh	04/12/12 10:48

Lab Sample ID: 480-18292-5 Client Sample ID: RB-01 (0-6")

Date Analyzed: 04/12/12 00:42 Lab File ID: V8870.D GC Column: RXI-5Sil MS ID: 0.25(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
2-Fluorophenol	4.33	Assign Peak	lyh	04/12/12 10:55
Phenol-d5	5.55	Assign Peak	lyh	04/12/12 10:55
Benzo(k)fluoranthene	15.12	Assign Peak	lyh	04/12/12 10:55

GC/MS SEMI VOA MANUAL INTEGRATION SUMMARY

Lab Name: TestAmerica Buffalo Job No.: 480-18292-1

SDG No.:

Instrument ID: HP5973V Analysis Batch Number: 59155

Lab Sample ID: 480-18292-6 Client Sample ID: RB-01 (6-12")

Date Analyzed: 04/12/12 01:06 Lab File ID: V8871.D GC Column: RXI-5Sil MS ID: 0.25(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
2-Fluorophenol	4.33	Assign Peak	lyh	04/12/12 11:00
Benzo(k)fluoranthene	15.13	Assign Peak	lyh	04/12/12 11:00

Lab Sample ID: 480-18292-7 Client Sample ID: RB-01 (12-24")

Date Analyzed: 04/12/12 01:30 Lab File ID: V8872.D GC Column: RXI-5Sil MS ID: 0.25(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Benzo(b)fluoranthene	15.10	Coelution	lyh	04/12/12 11:04
Benzo(k)fluoranthene	15.11	Coelution	lyh	04/12/12 11:04

Lab Sample ID: 480-18292-8 Client Sample ID: RB-02 (0-6")

Date Analyzed: 04/12/12 01:54 Lab File ID: V8873.D GC Column: RXI-5Sil MS ID: 0.25(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Benzo(k)fluoranthene	15.12	Assign Peak	lyh	04/12/12 11:08

Lab Sample ID: 480-18292-9 Client Sample ID: RB-02 (6-12")

Date Analyzed: 04/12/12 02:18 Lab File ID: V8874.D GC Column: RXI-5Sil MS ID: 0.25(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Benzo(b)fluoranthene	15.10	Coelution	lyh	04/12/12 11:13
Benzo(k)fluoranthene	15.11	Coelution	lyh	04/12/12 11:13

GC/MS SEMI VOA MANUAL INTEGRATION SUMMARY

Lab Name: TestAmerica Buffalo Job No.: 480-18292-1

SDG No.:

Instrument ID: HP5973V Analysis Batch Number: 59155

Lab Sample ID: 480-18292-10 Client Sample ID: RB-02 (12-24")

Date Analyzed: 04/12/12 02:43 Lab File ID: V8875.D GC Column: RXI-5Sil MS ID: 0.25(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Benzo(b)fluoranthene	15.10	Coelution	lyh	04/12/12 11:25
Benzo(k)fluoranthene	15.12	Coelution	lyh	04/12/12 11:25

Lab Sample ID: 480-18292-11 Client Sample ID: DUP-03

Date Analyzed: 04/12/12 03:07 Lab File ID: V8876.D GC Column: RXI-5Sil MS ID: 0.25(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Benzo(b)fluoranthene	15.10	Coelution	lyh	04/12/12 11:29
Benzo(k)fluoranthene	15.12	Coelution	lyh	04/12/12 11:29

PCBS MANUAL INTEGRATION SUMMARY

Lab Name: TestAmerica Buffalo Job No.: 480-18292-1

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: 480-18292-1

Lab Sample ID	Client Sample ID	Client Matrix	Date/Time Sampled	Date/Time Received
480-18292-1	RB-10 (6-12")	Solid	04/05/2012 1520	04/07/2012 0900
480-18292-2	RB-10 (12-24")	Solid	04/05/2012 1530	04/07/2012 0900
480-18292-3	RB-11 (0-6")	Solid	04/05/2012 1700	04/07/2012 0900
480-18292-4	RB-12 (0-6")	Solid	04/05/2012 1710	04/07/2012 0900
480-18292-5	RB-01 (0-6")	Solid	04/05/2012 1545	04/07/2012 0900
480-18292-5MS	RB-01 (0-6")	Solid	04/05/2012 1545	04/07/2012 0900
480-18292-5MSD	RB-01 (0-6")	Solid	04/05/2012 1545	04/07/2012 0900
480-18292-6	RB-01 (6-12")	Solid	04/05/2012 1600	04/07/2012 0900
480-18292-7	RB-01 (12-24")	Solid	04/05/2012 1610	04/07/2012 0900
480-18292-8	RB-02 (0-6")	Solid	04/05/2012 1620	04/07/2012 0900
480-18292-9	RB-02 (6-12")	Solid	04/05/2012 1640	04/07/2012 0900
480-18292-10	RB-02 (12-24")	Solid	04/05/2012 1650	04/07/2012 0900
480-18292-11	DUP-03	Solid	04/05/2012 1630	04/07/2012 0900
480-18292-12	TRIP BLANK	Water	04/05/2012 0000	04/07/2012 0900

EXECUTIVE SUMMARY - Detections

Client: CHA Inc

Job Number: 480-18292-1

Lab Sample ID / Analyte	Client Sample ID	Result	Qualifier	Reporting Limit	Units	Method
480-18292-1	**RB-10 (6-12")**					
Benzo(a)anthracene		2400		1800	ug/Kg	8270C
Benzo(a)pyrene		2100		1800	ug/Kg	8270C
Benzo(b)fluoranthene		6400		1800	ug/Kg	8270C
Benzo(g,h,i)perylene		4300		1800	ug/Kg	8270C
Benzo(k)fluoranthene		2500		1800	ug/Kg	8270C
Chrysene		4000		1800	ug/Kg	8270C
Dibenz(a,h)anthracene		2000		1800	ug/Kg	8270C
Fluoranthene		4600		1800	ug/Kg	8270C
Indeno(1,2,3-cd)pyrene		3200		1800	ug/Kg	8270C
Phenanthrene		1900		1800	ug/Kg	8270C
Pyrene		2800		1800	ug/Kg	8270C
Aluminum		5180		10.9	mg/Kg	6010B
Arsenic		17.0		2.2	mg/Kg	6010B
Barium		38.2		0.54	mg/Kg	6010B
Beryllium		0.30		0.22	mg/Kg	6010B
Cadmium		0.18	J B	0.22	mg/Kg	6010B
Calcium		2220	B	54.5	mg/Kg	6010B
Chromium		10.2		0.54	mg/Kg	6010B
Cobalt		3.9		0.54	mg/Kg	6010B
Copper		24.5		1.1	mg/Kg	6010B
Iron		15600		10.9	mg/Kg	6010B
Lead		34.1		1.1	mg/Kg	6010B
Magnesium		1950		21.8	mg/Kg	6010B
Manganese		230	B	0.22	mg/Kg	6010B
Nickel		13.2		5.4	mg/Kg	6010B
Potassium		735		32.7	mg/Kg	6010B
Sodium		34.8	J	153	mg/Kg	6010B
Vanadium		15.0		0.54	mg/Kg	6010B
Zinc		33.5		2.2	mg/Kg	6010B
Hg		0.51		0.021	mg/Kg	7471A
Percent Moisture		8.1		0.10	%	Moisture
Percent Solids		92		0.10	%	Moisture

EXECUTIVE SUMMARY - Detections

Client: CHA Inc

Job Number: 480-18292-1

Lab Sample ID / Analyte	Client Sample ID	Result	Qualifier	Reporting Limit	Units	Method
480-18292-2	**RB-10 (12-24")**					
2-Methylnaphthalene		120	J	1800	ug/Kg	8270C
Benzo(a)anthracene		3400		1800	ug/Kg	8270C
Benzo(a)pyrene		2900		1800	ug/Kg	8270C
Benzo(b)fluoranthene		8500		1800	ug/Kg	8270C
Benzo(g,h,i)perylene		5200		1800	ug/Kg	8270C
Benzo(k)fluoranthene		2300		1800	ug/Kg	8270C
Chrysene		5200		1800	ug/Kg	8270C
Dibenz(a,h)anthracene		2300		1800	ug/Kg	8270C
Fluoranthene		5900		1800	ug/Kg	8270C
Indeno(1,2,3-cd)pyrene		3700		1800	ug/Kg	8270C
Naphthalene		220	J	1800	ug/Kg	8270C
Phenanthrene		3100		1800	ug/Kg	8270C
Pyrene		3600		1800	ug/Kg	8270C
Aluminum		5120		10.7	mg/Kg	6010B
Arsenic		5.3		2.1	mg/Kg	6010B
Barium		24.0		0.53	mg/Kg	6010B
Beryllium		0.30		0.21	mg/Kg	6010B
Cadmium		0.12	J B	0.21	mg/Kg	6010B
Calcium		1950	B	53.3	mg/Kg	6010B
Chromium		9.3		0.53	mg/Kg	6010B
Cobalt		3.6		0.53	mg/Kg	6010B
Copper		14.7		1.1	mg/Kg	6010B
Iron		12900		10.7	mg/Kg	6010B
Lead		15.2		1.1	mg/Kg	6010B
Magnesium		1580		21.3	mg/Kg	6010B
Manganese		324	B	0.21	mg/Kg	6010B
Nickel		8.3		5.3	mg/Kg	6010B
Potassium		710		32.0	mg/Kg	6010B
Sodium		35.8	J	149	mg/Kg	6010B
Vanadium		15.8		0.53	mg/Kg	6010B
Zinc		22.9		2.1	mg/Kg	6010B
Hg		0.42		0.020	mg/Kg	7471A
Percent Moisture		7.0		0.10	%	Moisture
Percent Solids		93		0.10	%	Moisture

EXECUTIVE SUMMARY - Detections

Client: CHA Inc

Job Number: 480-18292-1

Lab Sample ID / Analyte	Client Sample ID	Result	Qualifier	Reporting Limit	Units	Method
480-18292-3	**RB-11 (0-6")**					
Toluene		0.75	J	5.7	ug/Kg	8260B
Trichloroethene		1.2	J	5.7	ug/Kg	8260B
Xylenes, Total		0.99	J	11	ug/Kg	8260B
Anthracene		290	J	1800	ug/Kg	8270C
Benzo(a)anthracene		1600	J	1800	ug/Kg	8270C
Benzo(a)pyrene		1900		1800	ug/Kg	8270C
Benzo(b)fluoranthene		2900		1800	ug/Kg	8270C
Benzo(g,h,i)perylene		1300	J	1800	ug/Kg	8270C
Benzo(k)fluoranthene		1300	J	1800	ug/Kg	8270C
Chrysene		1700	J	1800	ug/Kg	8270C
Dibenz(a,h)anthracene		1400	J	1800	ug/Kg	8270C
Fluoranthene		2000		1800	ug/Kg	8270C
Indeno(1,2,3-cd)pyrene		1300	J	1800	ug/Kg	8270C
Phenanthrene		790	J	1800	ug/Kg	8270C
Pyrene		2000		1800	ug/Kg	8270C
Aluminum		1910		10.7	mg/Kg	6010B
Arsenic		19.9		2.1	mg/Kg	6010B
Barium		61.3		0.53	mg/Kg	6010B
Beryllium		0.30		0.21	mg/Kg	6010B
Cadmium		0.18	J B	0.21	mg/Kg	6010B
Calcium		84400	B	53.5	mg/Kg	6010B
Chromium		11.9		0.53	mg/Kg	6010B
Cobalt		5.0		0.53	mg/Kg	6010B
Copper		22.9		1.1	mg/Kg	6010B
Iron		10600		10.7	mg/Kg	6010B
Lead		22.6		1.1	mg/Kg	6010B
Magnesium		46900		21.4	mg/Kg	6010B
Manganese		207	B	0.21	mg/Kg	6010B
Nickel		14.0		5.3	mg/Kg	6010B
Potassium		746		32.1	mg/Kg	6010B
Sodium		73.9	J	150	mg/Kg	6010B
Vanadium		8.4		0.53	mg/Kg	6010B
Zinc		32.8		2.1	mg/Kg	6010B
Hg		0.041		0.022	mg/Kg	7471A
Percent Moisture		6.1		0.10	%	Moisture
Percent Solids		94		0.10	%	Moisture

EXECUTIVE SUMMARY - Detections

Client: CHA Inc

Job Number: 480-18292-1

Lab Sample ID / Analyte	Client Sample ID	Result	Qualifier	Reporting Limit	Units	Method
480-18292-4	**RB-12 (0-6")**					
Toluene		0.67	J	4.6	ug/Kg	8260B
Xylenes, Total		0.77	J	9.2	ug/Kg	8260B
Acenaphthene		95	J	3500	ug/Kg	8270C
Acenaphthylene		1400	J	3500	ug/Kg	8270C
Anthracene		590	J	3500	ug/Kg	8270C
Benzo(a)anthracene		4900		3500	ug/Kg	8270C
Benzo(a)pyrene		8100		3500	ug/Kg	8270C
Benzo(b)fluoranthene		14000		3500	ug/Kg	8270C
Benzo(g,h,i)perylene		6300		3500	ug/Kg	8270C
Benzo(k)fluoranthene		4200		3500	ug/Kg	8270C
Carbazole		140	J	3500	ug/Kg	8270C
Chrysene		6000		3500	ug/Kg	8270C
Dibenz(a,h)anthracene		3500		3500	ug/Kg	8270C
Fluoranthene		5000		3500	ug/Kg	8270C
Indeno(1,2,3-cd)pyrene		5700		3500	ug/Kg	8270C
Phenanthrene		1200	J	3500	ug/Kg	8270C
Pyrene		5800		3500	ug/Kg	8270C
Aluminum		2940		10.3	mg/Kg	6010B
Arsenic		7.9		2.1	mg/Kg	6010B
Barium		27.6		0.52	mg/Kg	6010B
Beryllium		0.23		0.21	mg/Kg	6010B
Cadmium		0.54	B	0.21	mg/Kg	6010B
Calcium		19500	B	51.6	mg/Kg	6010B
Chromium		12.2		0.52	mg/Kg	6010B
Cobalt		4.4		0.52	mg/Kg	6010B
Copper		40.4		1.0	mg/Kg	6010B
Iron		15700		10.3	mg/Kg	6010B
Lead		63.4		1.0	mg/Kg	6010B
Magnesium		11100		20.6	mg/Kg	6010B
Manganese		237	B	0.21	mg/Kg	6010B
Nickel		12.2		5.2	mg/Kg	6010B
Potassium		434		31.0	mg/Kg	6010B
Sodium		39.1	J	144	mg/Kg	6010B
Vanadium		11.1		0.52	mg/Kg	6010B
Zinc		101		2.1	mg/Kg	6010B
Hg		0.38		0.020	mg/Kg	7471A
Percent Moisture		4.3		0.10	%	Moisture
Percent Solids		96		0.10	%	Moisture

EXECUTIVE SUMMARY - Detections

Client: CHA Inc

Job Number: 480-18292-1

Lab Sample ID / Analyte	Client Sample ID	Result	Qualifier	Reporting Limit	Units	Method
480-18292-5	**RB-01 (0-6")**					
2-Methylnaphthalene		200	J	3700	ug/Kg	8270C
Benzo(a)anthracene		1400	J	3700	ug/Kg	8270C
Benzo(a)pyrene		1800	J	3700	ug/Kg	8270C
Benzo(b)fluoranthene		2700	J	3700	ug/Kg	8270C
Benzo(g,h,i)perylene		1300	J	3700	ug/Kg	8270C
Benzo(k)fluoranthene		1100	J	3700	ug/Kg	8270C
Bis(2-ethylhexyl) phthalate		2700	J	3700	ug/Kg	8270C
Chrysene		1600	J	3700	ug/Kg	8270C
Dibenz(a,h)anthracene		2600	J	3700	ug/Kg	8270C
Fluoranthene		1600	J	3700	ug/Kg	8270C
Indeno(1,2,3-cd)pyrene		1100	J	3700	ug/Kg	8270C
Phenanthrene		760	J	3700	ug/Kg	8270C
Pyrene		1500	J	3700	ug/Kg	8270C
Aluminum		4270		10.4	mg/Kg	6010B
Antimony		0.84	J B	15.7	mg/Kg	6010B
Arsenic		9.5		2.1	mg/Kg	6010B
Barium		72.2		0.52	mg/Kg	6010B
Beryllium		0.30		0.21	mg/Kg	6010B
Cadmium		0.30	B	0.21	mg/Kg	6010B
Calcium		13400	B	52.2	mg/Kg	6010B
Chromium		9.5		0.52	mg/Kg	6010B
Cobalt		3.2		0.52	mg/Kg	6010B
Copper		34.8		1.0	mg/Kg	6010B
Iron		14600		10.4	mg/Kg	6010B
Lead		81.1		1.0	mg/Kg	6010B
Magnesium		4100		20.9	mg/Kg	6010B
Manganese		204	B	0.21	mg/Kg	6010B
Nickel		13.5		5.2	mg/Kg	6010B
Potassium		673		31.3	mg/Kg	6010B
Sodium		160		146	mg/Kg	6010B
Vanadium		14.9		0.52	mg/Kg	6010B
Zinc		58.6		2.1	mg/Kg	6010B
Hg		0.28		0.023	mg/Kg	7471A
Percent Moisture		11		0.10	%	Moisture
Percent Solids		89		0.10	%	Moisture

EXECUTIVE SUMMARY - Detections

Client: CHA Inc

Job Number: 480-18292-1

Lab Sample ID / Analyte	Client Sample ID	Result	Qualifier	Reporting Limit	Units	Method
480-18292-6	**RB-01 (6-12")**					
2-Methylnaphthalene		290	J	4000	ug/Kg	8270C
Benzo(a)anthracene		1100	J	4000	ug/Kg	8270C
Benzo(a)pyrene		1500	J	4000	ug/Kg	8270C
Benzo(b)fluoranthene		2200	J	4000	ug/Kg	8270C
Benzo(g,h,i)perylene		940	J	4000	ug/Kg	8270C
Benzo(k)fluoranthene		630	J	4000	ug/Kg	8270C
Chrysene		1300	J	4000	ug/Kg	8270C
Dibenz(a,h)anthracene		2500	J	4000	ug/Kg	8270C
Fluoranthene		990	J	4000	ug/Kg	8270C
Indeno(1,2,3-cd)pyrene		880	J	4000	ug/Kg	8270C
Phenanthrene		710	J	4000	ug/Kg	8270C
Pyrene		1000	J	4000	ug/Kg	8270C
Aluminum		6460		12.9	mg/Kg	6010B
Arsenic		11.5		2.6	mg/Kg	6010B
Barium		78.1		0.64	mg/Kg	6010B
Beryllium		0.39		0.26	mg/Kg	6010B
Cadmium		0.31	B	0.26	mg/Kg	6010B
Calcium		14100	B	64.3	mg/Kg	6010B
Chromium		11.9		0.64	mg/Kg	6010B
Cobalt		3.9		0.64	mg/Kg	6010B
Copper		43.5		1.3	mg/Kg	6010B
Iron		16800		12.9	mg/Kg	6010B
Lead		74.6		1.3	mg/Kg	6010B
Magnesium		5320		25.7	mg/Kg	6010B
Manganese		303	B	0.26	mg/Kg	6010B
Nickel		19.5		6.4	mg/Kg	6010B
Potassium		813		38.6	mg/Kg	6010B
Sodium		162	J	180	mg/Kg	6010B
Vanadium		17.4		0.64	mg/Kg	6010B
Zinc		63.1		2.6	mg/Kg	6010B
Hg		0.14		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: 480-18292-1

Lab Sample ID / Analyte	Client Sample ID	Result	Qualifier	Reporting Limit	Units	Method
480-18292-7	**RB-01 (12-24")**					
Methyl acetate		1.9	J	7.2	ug/Kg	8260B
2-Methylnaphthalene		310	J	4000	ug/Kg	8270C
Acenaphthene		490	J	4000	ug/Kg	8270C
Anthracene		820	J	4000	ug/Kg	8270C
Benzo(a)anthracene		3800	J	4000	ug/Kg	8270C
Benzo(a)pyrene		4900		4000	ug/Kg	8270C
Benzo(b)fluoranthene		6100		4000	ug/Kg	8270C
Benzo(g,h,i)perylene		2800	J	4000	ug/Kg	8270C
Benzo(k)fluoranthene		3000	J	4000	ug/Kg	8270C
Chrysene		4200		4000	ug/Kg	8270C
Dibenz(a,h)anthracene		3100	J	4000	ug/Kg	8270C
Fluoranthene		5900		4000	ug/Kg	8270C
Fluorene		350	J	4000	ug/Kg	8270C
Indeno(1,2,3-cd)pyrene		2500	J	4000	ug/Kg	8270C
Naphthalene		370	J	4000	ug/Kg	8270C
Phenanthrene		4100		4000	ug/Kg	8270C
Pyrene		4800		4000	ug/Kg	8270C
Aluminum		5290		11.4	mg/Kg	6010B
Arsenic		14.5		2.3	mg/Kg	6010B
Barium		86.9		0.57	mg/Kg	6010B
Beryllium		0.39		0.23	mg/Kg	6010B
Cadmium		0.27	B	0.23	mg/Kg	6010B
Calcium		40400	B	57.1	mg/Kg	6010B
Chromium		10.3		0.57	mg/Kg	6010B
Cobalt		3.6		0.57	mg/Kg	6010B
Copper		37.9		1.1	mg/Kg	6010B
Iron		15300		11.4	mg/Kg	6010B
Lead		65.6		1.1	mg/Kg	6010B
Magnesium		4280		22.9	mg/Kg	6010B
Manganese		195	B	0.23	mg/Kg	6010B
Nickel		15.8		5.7	mg/Kg	6010B
Potassium		692		34.3	mg/Kg	6010B
Selenium		0.76	J	4.6	mg/Kg	6010B
Sodium		252		160	mg/Kg	6010B
Vanadium		16.0		0.57	mg/Kg	6010B
Zinc		48.1		2.3	mg/Kg	6010B
Hg		0.14		0.026	mg/Kg	7471A
Percent Moisture		18		0.10	%	Moisture
Percent Solids		82		0.10	%	Moisture

EXECUTIVE SUMMARY - Detections

Client: CHA Inc

Job Number: 480-18292-1

Lab Sample ID / Analyte	Client Sample ID	Result	Qualifier	Reporting Limit	Units	Method
480-18292-8	**RB-02 (0-6")**					
2-Methylnaphthalene		260	J	3600	ug/Kg	8270C
Benzo(a)anthracene		2400	J	3600	ug/Kg	8270C
Benzo(a)pyrene		3500	J	3600	ug/Kg	8270C
Benzo(b)fluoranthene		6900		3600	ug/Kg	8270C
Benzo(g,h,i)perylene		2400	J	3600	ug/Kg	8270C
Benzo(k)fluoranthene		2200	J	3600	ug/Kg	8270C
Chrysene		3500	J	3600	ug/Kg	8270C
Dibenz(a,h)anthracene		2700	J	3600	ug/Kg	8270C
Fluoranthene		2100	J	3600	ug/Kg	8270C
Indeno(1,2,3-cd)pyrene		2100	J	3600	ug/Kg	8270C
Naphthalene		170	J	3600	ug/Kg	8270C
Phenanthrene		730	J	3600	ug/Kg	8270C
Pyrene		1900	J	3600	ug/Kg	8270C
Aluminum		3150		11.0	mg/Kg	6010B
Arsenic		32.8		2.2	mg/Kg	6010B
Barium		33.4		0.55	mg/Kg	6010B
Beryllium		0.21	J	0.22	mg/Kg	6010B
Cadmium		0.14	J B	0.22	mg/Kg	6010B
Calcium		8710	B	55.1	mg/Kg	6010B
Chromium		8.8		0.55	mg/Kg	6010B
Cobalt		3.4		0.55	mg/Kg	6010B
Copper		21.5		1.1	mg/Kg	6010B
Iron		20700		11.0	mg/Kg	6010B
Lead		37.7		1.1	mg/Kg	6010B
Magnesium		2920		22.1	mg/Kg	6010B
Manganese		163	B	0.22	mg/Kg	6010B
Nickel		9.4		5.5	mg/Kg	6010B
Potassium		650		33.1	mg/Kg	6010B
Selenium		1.5	J	4.4	mg/Kg	6010B
Sodium		369		154	mg/Kg	6010B
Vanadium		16.1		0.55	mg/Kg	6010B
Zinc		32.9		2.2	mg/Kg	6010B
Hg		0.19		0.023	mg/Kg	7471A
Percent Moisture		6.8		0.10	%	Moisture
Percent Solids		93		0.10	%	Moisture

EXECUTIVE SUMMARY - Detections

Client: CHA Inc

Job Number: 480-18292-1

Lab Sample ID / Analyte	Client Sample ID	Result	Qualifier	Reporting Limit	Units	Method
480-18292-9	**RB-02 (6-12")**					
Benzo(a)anthracene		3800		3700	ug/Kg	8270C
Benzo(a)pyrene		5600		3700	ug/Kg	8270C
Benzo(b)fluoranthene		9900		3700	ug/Kg	8270C
Benzo(g,h,i)perylene		4100		3700	ug/Kg	8270C
Benzo(k)fluoranthene		4300		3700	ug/Kg	8270C
Chrysene		5700		3700	ug/Kg	8270C
Dibenz(a,h)anthracene		3400	J	3700	ug/Kg	8270C
Fluoranthene		2700	J	3700	ug/Kg	8270C
Indeno(1,2,3-cd)pyrene		3600	J	3700	ug/Kg	8270C
Phenanthrene		750	J	3700	ug/Kg	8270C
Pyrene		2500	J	3700	ug/Kg	8270C
Aluminum		5350		9.9	mg/Kg	6010B
Arsenic		5.4		2.0	mg/Kg	6010B
Barium		19.3		0.49	mg/Kg	6010B
Beryllium		0.13	J	0.20	mg/Kg	6010B
Cadmium		0.15	J B	0.20	mg/Kg	6010B
Calcium		2340	B	49.5	mg/Kg	6010B
Chromium		8.7		0.49	mg/Kg	6010B
Cobalt		1.6		0.49	mg/Kg	6010B
Copper		11.7		0.99	mg/Kg	6010B
Iron		7970		9.9	mg/Kg	6010B
Lead		17.1		0.99	mg/Kg	6010B
Magnesium		662		19.8	mg/Kg	6010B
Manganese		134	B	0.20	mg/Kg	6010B
Nickel		7.5		4.9	mg/Kg	6010B
Potassium		365		29.7	mg/Kg	6010B
Sodium		226		139	mg/Kg	6010B
Vanadium		11.8		0.49	mg/Kg	6010B
Zinc		15.4		2.0	mg/Kg	6010B
Hg		0.13		0.023	mg/Kg	7471A
Percent Moisture		7.6		0.10	%	Moisture
Percent Solids		92		0.10	%	Moisture

EXECUTIVE SUMMARY - Detections

Client: CHA Inc

Job Number: 480-18292-1

Lab Sample ID / Analyte	Client Sample ID	Result	Qualifier	Reporting Limit	Units	Method
480-18292-10	**RB-02 (12-24")**					
Benzo(a)anthracene		3200	J	3800	ug/Kg	8270C
Benzo(a)pyrene		5100		3800	ug/Kg	8270C
Benzo(b)fluoranthene		10000		3800	ug/Kg	8270C
Benzo(g,h,i)perylene		3300	J	3800	ug/Kg	8270C
Benzo(k)fluoranthene		2900	J	3800	ug/Kg	8270C
Chrysene		4700		3800	ug/Kg	8270C
Dibenz(a,h)anthracene		3200	J	3800	ug/Kg	8270C
Fluoranthene		2700	J	3800	ug/Kg	8270C
Indeno(1,2,3-cd)pyrene		2900	J	3800	ug/Kg	8270C
Phenanthrene		850	J	3800	ug/Kg	8270C
Pyrene		2300	J	3800	ug/Kg	8270C
Aluminum		4970		11.4	mg/Kg	6010B
Arsenic		16.2		2.3	mg/Kg	6010B
Barium		35.0		0.57	mg/Kg	6010B
Beryllium		0.20	J	0.23	mg/Kg	6010B
Cadmium		0.14	J B	0.23	mg/Kg	6010B
Calcium		3530	B	56.8	mg/Kg	6010B
Chromium		8.9		0.57	mg/Kg	6010B
Cobalt		2.4		0.57	mg/Kg	6010B
Copper		18.8		1.1	mg/Kg	6010B
Iron		12300		11.4	mg/Kg	6010B
Lead		47.2		1.1	mg/Kg	6010B
Magnesium		1040		22.7	mg/Kg	6010B
Manganese		115	B	0.23	mg/Kg	6010B
Nickel		7.8		5.7	mg/Kg	6010B
Potassium		498		34.1	mg/Kg	6010B
Selenium		0.87	J	4.5	mg/Kg	6010B
Sodium		264		159	mg/Kg	6010B
Vanadium		12.5		0.57	mg/Kg	6010B
Zinc		28.9		2.3	mg/Kg	6010B
Hg		0.12		0.021	mg/Kg	7471A
Percent Moisture		11		0.10	%	Moisture
Percent Solids		89		0.10	%	Moisture

EXECUTIVE SUMMARY - Detections

Client: CHA Inc

Job Number: 480-18292-1

Lab Sample ID / Analyte	Client Sample ID	Result	Qualifier	Reporting Limit	Units	Method
480-18292-11	**DUP-03**					
2-Methylnaphthalene		340	J	4200	ug/Kg	8270C
Anthracene		170	J	4200	ug/Kg	8270C
Benzo(a)anthracene		1700	J	4200	ug/Kg	8270C
Benzo(a)pyrene		2000	J	4200	ug/Kg	8270C
Benzo(b)fluoranthene		3100	J	4200	ug/Kg	8270C
Benzo(g,h,i)perylene		940	J	4200	ug/Kg	8270C
Benzo(k)fluoranthene		1200	J	4200	ug/Kg	8270C
Chrysene		1700	J	4200	ug/Kg	8270C
Dibenz(a,h)anthracene		2700	J	4200	ug/Kg	8270C
Fluoranthene		1600	J	4200	ug/Kg	8270C
Indeno(1,2,3-cd)pyrene		810	J	4200	ug/Kg	8270C
Phenanthrene		1100	J	4200	ug/Kg	8270C
Pyrene		1400	J	4200	ug/Kg	8270C
Aluminum		4790		13.6	mg/Kg	6010B
Arsenic		12.7		2.7	mg/Kg	6010B
Barium		82.7		0.68	mg/Kg	6010B
Beryllium		0.37		0.27	mg/Kg	6010B
Cadmium		0.35	B	0.27	mg/Kg	6010B
Calcium		42900	B	67.8	mg/Kg	6010B
Chromium		13.8		0.68	mg/Kg	6010B
Cobalt		4.5		0.68	mg/Kg	6010B
Copper		42.3		1.4	mg/Kg	6010B
Iron		17600		13.6	mg/Kg	6010B
Lead		62.2		1.4	mg/Kg	6010B
Magnesium		24700		27.1	mg/Kg	6010B
Manganese		255	B	0.27	mg/Kg	6010B
Nickel		16.4		6.8	mg/Kg	6010B
Potassium		760		40.7	mg/Kg	6010B
Sodium		242		190	mg/Kg	6010B
Vanadium		16.7		0.68	mg/Kg	6010B
Zinc		47.2		2.7	mg/Kg	6010B
Hg		0.12		0.026	mg/Kg	7471A
Percent Moisture		19		0.10	%	Moisture
Percent Solids		81		0.10	%	Moisture

METHOD SUMMARY

Client: CHA Inc

Job Number: 480-18292-1

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

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: 480-18292-1

Method	Analyst	Analyst ID
SW846 8260B	Byrnes, Jennifer M	JMB
SW846 8260B	Cwiklinski, Charles D	CDC
SW846 8260B	Larson, Renee	RL
SW846 8270C	Ly, Hau T	HTL
SW846 8082	Besco, Donna	DB
SW846 6010B	Marzolf, Michelle	MM
SW846 7471A	Mantell, Jaclyn	JM
EPA Moisture	Robison, Zachary	ZR

Client: CHA Inc

Job Number: 480-18292-1

Client Sample ID: **RB-10 (6-12")**

Lab Sample ID: 480-18292-1
Client Matrix: Solid
% Moisture: 8.1
Date Sampled: 04/05/2012 1520
Date Received: 04/07/2012 0900

8260B Volatile Organic Compounds (GC/MS)

Analysis Method:	8260B	Analysis Batch:	480-58994	Instrument ID:	HP5973F
Prep Method:	5035	Prep Batch:	480-58917	Lab File ID:	F8005.D
Dilution:	1.0			Initial Weight/Volume:	5.62 g
Analysis Date:	04/11/2012 0605			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		0.35	4.8
1,1,2,2-Tetrachloroethane		ND		0.79	4.8
1,1,2-Trichloroethane		ND		0.63	4.8
1,1,2-Trichloro-1,2,2-trifluoroethane		ND		1.1	4.8
1,1-Dichloroethane		ND		0.59	4.8
1,1-Dichloroethene		ND		0.59	4.8
1,2,4-Trichlorobenzene		ND		0.29	4.8
1,2-Dibromo-3-Chloropropane		ND		2.4	4.8
1,2-Dibromoethane		ND		0.62	4.8
1,2-Dichlorobenzene		ND		0.38	4.8
1,2-Dichloroethane		ND		0.24	4.8
1,2-Dichloropropane		ND		2.4	4.8
1,3-Dichlorobenzene		ND		0.25	4.8
1,4-Dichlorobenzene		ND		0.68	4.8
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	4.8
Bromodichloromethane		ND		0.65	4.8
Bromoform		ND		2.4	4.8
Bromomethane		ND		0.44	4.8
Carbon disulfide		ND		2.4	4.8
Carbon tetrachloride		ND		0.47	4.8
Chlorobenzene		ND		0.64	4.8
Dibromochloromethane		ND		0.62	4.8
Chloroethane		ND		1.1	4.8
Chloroform		ND		0.30	4.8
Chloromethane		ND		0.29	4.8
cis-1,2-Dichloroethene		ND		0.62	4.8
cis-1,3-Dichloropropene		ND		0.70	4.8
Cyclohexane		ND		0.68	4.8
Dichlorodifluoromethane		ND		0.40	4.8
Ethylbenzene		ND		0.33	4.8
Isopropylbenzene		ND		0.73	4.8
Methyl acetate		ND		0.90	4.8
Methyl tert-butyl ether		ND		0.48	4.8
Methylcyclohexane		ND		0.74	4.8
Methylene Chloride		ND		2.2	4.8
Styrene		ND		0.24	4.8
Tetrachloroethene		ND		0.65	4.8
Toluene		ND		0.37	4.8
trans-1,2-Dichloroethene		ND		0.50	4.8
trans-1,3-Dichloropropene		ND		2.1	4.8
Trichloroethene		ND		1.1	4.8
Trichlorofluoromethane		ND		0.46	4.8

Client: CHA Inc

Job Number: 480-18292-1

Client Sample ID: **RB-10 (6-12")**

Lab Sample ID: 480-18292-1
Client Matrix: Solid
% Moisture: 8.1

Date Sampled: 04/05/2012 1520
Date Received: 04/07/2012 0900

8260B Volatile Organic Compounds (GC/MS)

Analysis Method:	8260B	Analysis Batch:	480-58994	Instrument ID:	HP5973F
Prep Method:	5035	Prep Batch:	480-58917	Lab File ID:	F8005.D
Dilution:	1.0			Initial Weight/Volume:	5.62 g
Analysis Date:	04/11/2012 0605			Final Weight/Volume:	5 mL
Prep Date:	04/10/2012 1150				

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
Vinyl chloride		ND		0.59	4.8
Xylenes, Total		ND		0.81	9.7

Surrogate	%Rec	Qualifier	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	100		64 - 126
Toluene-d8 (Surr)	109		71 - 125
4-Bromofluorobenzene (Surr)	110		72 - 126

Client: CHA Inc

Job Number: 480-18292-1

Client Sample ID: **RB-10 (6-12")**

Lab Sample ID: 480-18292-1
Client Matrix: Solid
% Moisture: 8.1

Date Sampled: 04/05/2012 1520
Date Received: 04/07/2012 0900

8260B Volatile Organic Compounds (GC/MS)

Analysis Method:	8260B	Analysis Batch:	480-58994	Instrument ID:	HP5973F
Prep Method:	5035	Prep Batch:	480-58917	Lab File ID:	F8005.D
Dilution:	1.0			Initial Weight/Volume:	5.62 g
Analysis Date:	04/11/2012 0605			Final Weight/Volume:	5 mL
Prep Date:	04/10/2012 1150				

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

Cas Number	Analyte	RT	Est. Result (ug/Kg)	Qualifier
287-92-3	Cyclopentane	3.77	34	T J N
556-67-2	Cyclotetrasiloxane, octamethyl-	9.64	13	T J N

Client: CHA Inc

Job Number: 480-18292-1

Client Sample ID: **RB-10 (12-24")**

Lab Sample ID: 480-18292-2
Client Matrix: Solid
% Moisture: 7.0

Date Sampled: 04/05/2012 1530
Date Received: 04/07/2012 0900

8260B Volatile Organic Compounds (GC/MS)

Analysis Method:	8260B	Analysis Batch:	480-58994	Instrument ID:	HP5973F
Prep Method:	5035	Prep Batch:	480-58917	Lab File ID:	F8006.D
Dilution:	1.0			Initial Weight/Volume:	5.5 g
Analysis Date:	04/11/2012 0630			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		0.35	4.9
1,1,2,2-Tetrachloroethane		ND		0.79	4.9
1,1,2-Trichloroethane		ND		0.64	4.9
1,1,2-Trichloro-1,2,2-trifluoroethane		ND		1.1	4.9
1,1-Dichloroethane		ND		0.60	4.9
1,1-Dichloroethene		ND		0.60	4.9
1,2,4-Trichlorobenzene		ND		0.30	4.9
1,2-Dibromo-3-Chloropropane		ND		2.4	4.9
1,2-Dibromoethane		ND		0.63	4.9
1,2-Dichlorobenzene		ND		0.38	4.9
1,2-Dichloroethane		ND		0.25	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		0.65	4.9
Dibromochloromethane		ND		0.63	4.9
Chloroethane		ND		1.1	4.9
Chloroform		ND		0.30	4.9
Chloromethane		ND		0.30	4.9
cis-1,2-Dichloroethene		ND		0.63	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		0.34	4.9
Isopropylbenzene		ND		0.74	4.9
Methyl acetate		ND		0.91	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		0.66	4.9
Toluene		ND		0.37	4.9
trans-1,2-Dichloroethene		ND		0.50	4.9
trans-1,3-Dichloropropene		ND		2.2	4.9
Trichloroethene		ND		1.1	4.9
Trichlorofluoromethane		ND		0.46	4.9

Client: CHA Inc

Job Number: 480-18292-1

Client Sample ID: **RB-10 (12-24")**

Lab Sample ID: 480-18292-2
Client Matrix: Solid
% Moisture: 7.0

Date Sampled: 04/05/2012 1530
Date Received: 04/07/2012 0900

8260B Volatile Organic Compounds (GC/MS)

Analysis Method:	8260B	Analysis Batch:	480-58994	Instrument ID:	HP5973F
Prep Method:	5035	Prep Batch:	480-58917	Lab File ID:	F8006.D
Dilution:	1.0			Initial Weight/Volume:	5.5 g
Analysis Date:	04/11/2012 0630			Final Weight/Volume:	5 mL
Prep Date:	04/10/2012 1150				

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
Vinyl chloride		ND		0.60	4.9
Xylenes, Total		ND		0.82	9.8

Surrogate	%Rec	Qualifier	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	97		64 - 126
Toluene-d8 (Surr)	109		71 - 125
4-Bromofluorobenzene (Surr)	108		72 - 126

Client: CHA Inc

Job Number: 480-18292-1

Client Sample ID: **RB-10 (12-24")**

Lab Sample ID: 480-18292-2
Client Matrix: Solid
% Moisture: 7.0

Date Sampled: 04/05/2012 1530
Date Received: 04/07/2012 0900

8260B Volatile Organic Compounds (GC/MS)

Analysis Method:	8260B	Analysis Batch:	480-58994	Instrument ID:	HP5973F
Prep Method:	5035	Prep Batch:	480-58917	Lab File ID:	F8006.D
Dilution:	1.0			Initial Weight/Volume:	5.5 g
Analysis Date:	04/11/2012 0630			Final Weight/Volume:	5 mL
Prep Date:	04/10/2012 1150				

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

Cas Number	Analyte	RT	Est. Result (ug/Kg)	Qualifier
287-92-3	Cyclopentane	3.77	38	T J N
556-67-2	Cyclotetrasiloxane, octamethyl-	9.64	16	T J N

Client: CHA Inc

Job Number: 480-18292-1

Client Sample ID: **RB-11 (0-6")**

Lab Sample ID: 480-18292-3
Client Matrix: Solid
% Moisture: 6.1
Date Sampled: 04/05/2012 1700
Date Received: 04/07/2012 0900

8260B Volatile Organic Compounds (GC/MS)

Analysis Method:	8260B	Analysis Batch:	480-58994	Instrument ID:	HP5973F
Prep Method:	5035	Prep Batch:	480-58917	Lab File ID:	F8007.D
Dilution:	1.0			Initial Weight/Volume:	4.7 g
Analysis Date:	04/11/2012 0656			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)		ND		2.1	28
4-Methyl-2-pentanone (MIBK)		ND		1.9	28
Acetone		ND		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		0.72	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		0.72	5.7
cis-1,3-Dichloropropene		ND		0.82	5.7
Cyclohexane		ND		0.79	5.7
Dichlorodifluoromethane		ND		0.47	5.7
Ethylbenzene		ND		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		0.75	J	0.43	5.7
trans-1,2-Dichloroethene		ND		0.58	5.7
trans-1,3-Dichloropropene		ND		2.5	5.7
Trichloroethene		1.2	J	1.2	5.7
Trichlorofluoromethane		ND		0.54	5.7

Client: CHA Inc

Job Number: 480-18292-1

Client Sample ID: **RB-11 (0-6")**

Lab Sample ID: 480-18292-3
Client Matrix: Solid
% Moisture: 6.1
Date Sampled: 04/05/2012 1700
Date Received: 04/07/2012 0900

8260B Volatile Organic Compounds (GC/MS)

Analysis Method:	8260B	Analysis Batch:	480-58994	Instrument ID:	HP5973F
Prep Method:	5035	Prep Batch:	480-58917	Lab File ID:	F8007.D
Dilution:	1.0			Initial Weight/Volume:	4.7 g
Analysis Date:	04/11/2012 0656			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		0.99	J	0.95	11

Surrogate	%Rec	Qualifier	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	97		64 - 126
Toluene-d8 (Surr)	107		71 - 125
4-Bromofluorobenzene (Surr)	110		72 - 126

Client: CHA Inc

Job Number: 480-18292-1

Client Sample ID: **RB-11 (0-6")**

Lab Sample ID: 480-18292-3
Client Matrix: Solid
% Moisture: 6.1

Date Sampled: 04/05/2012 1700
Date Received: 04/07/2012 0900

8260B Volatile Organic Compounds (GC/MS)

Analysis Method:	8260B	Analysis Batch:	480-58994	Instrument ID:	HP5973F
Prep Method:	5035	Prep Batch:	480-58917	Lab File ID:	F8007.D
Dilution:	1.0			Initial Weight/Volume:	4.7 g
Analysis Date:	04/11/2012 0656			Final Weight/Volume:	5 mL
Prep Date:	04/10/2012 1150				

Tentatively Identified Compounds **Number TIC's Found:** **5**

Cas Number	Analyte	RT	Est. Result (ug/Kg)	Qualifier
	Unknown	2.78	6.9	T J
287-92-3	Cyclopentane	3.77	210	T J N
110-54-3	Hexane	4.07	8.0	J
179601-23-1	m-Xylene & p-Xylene	8.70	0.99	J
556-67-2	Cyclotetrasiloxane, octamethyl-	9.64	32	T J N

Client: CHA Inc

Job Number: 480-18292-1

Client Sample ID: **RB-12 (0-6")**

Lab Sample ID: 480-18292-4
Client Matrix: Solid

% Moisture: 4.3

Date Sampled: 04/05/2012 1710
Date Received: 04/07/2012 0900

8260B Volatile Organic Compounds (GC/MS)

Analysis Method:	8260B	Analysis Batch:	480-58994	Instrument ID:	HP5973F
Prep Method:	5035	Prep Batch:	480-58917	Lab File ID:	F8008.D
Dilution:	1.0			Initial Weight/Volume:	5.7 g
Analysis Date:	04/11/2012 0721			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		0.33	4.6
1,1,2,2-Tetrachloroethane		ND		0.74	4.6
1,1,2-Trichloroethane		ND		0.60	4.6
1,1,2-Trichloro-1,2,2-trifluoroethane		ND		1.0	4.6
1,1-Dichloroethane		ND		0.56	4.6
1,1-Dichloroethene		ND		0.56	4.6
1,2,4-Trichlorobenzene		ND		0.28	4.6
1,2-Dibromo-3-Chloropropane		ND		2.3	4.6
1,2-Dibromoethane		ND		0.59	4.6
1,2-Dichlorobenzene		ND		0.36	4.6
1,2-Dichloroethane		ND		0.23	4.6
1,2-Dichloropropane		ND		2.3	4.6
1,3-Dichlorobenzene		ND		0.24	4.6
1,4-Dichlorobenzene		ND		0.64	4.6
2-Hexanone		ND		2.3	23
2-Butanone (MEK)		ND		1.7	23
4-Methyl-2-pentanone (MIBK)		ND		1.5	23
Acetone		ND		3.9	23
Benzene		ND		0.22	4.6
Bromodichloromethane		ND		0.61	4.6
Bromoform		ND		2.3	4.6
Bromomethane		ND		0.41	4.6
Carbon disulfide		ND		2.3	4.6
Carbon tetrachloride		ND		0.44	4.6
Chlorobenzene		ND		0.61	4.6
Dibromochloromethane		ND		0.59	4.6
Chloroethane		ND		1.0	4.6
Chloroform		ND		0.28	4.6
Chloromethane		ND		0.28	4.6
cis-1,2-Dichloroethene		ND		0.59	4.6
cis-1,3-Dichloropropene		ND		0.66	4.6
Cyclohexane		ND		0.64	4.6
Dichlorodifluoromethane		ND		0.38	4.6
Ethylbenzene		ND		0.32	4.6
Isopropylbenzene		ND		0.69	4.6
Methyl acetate		ND		0.85	4.6
Methyl tert-butyl ether		ND		0.45	4.6
Methylcyclohexane		ND		0.70	4.6
Methylene Chloride		ND		2.1	4.6
Styrene		ND		0.23	4.6
Tetrachloroethene		ND		0.62	4.6
Toluene		0.67	J	0.35	4.6
trans-1,2-Dichloroethene		ND		0.47	4.6
trans-1,3-Dichloropropene		ND		2.0	4.6
Trichloroethene		ND		1.0	4.6
Trichlorofluoromethane		ND		0.43	4.6

Client: CHA Inc

Job Number: 480-18292-1

Client Sample ID: **RB-12 (0-6")**

Lab Sample ID: 480-18292-4
Client Matrix: Solid
% Moisture: 4.3

Date Sampled: 04/05/2012 1710
Date Received: 04/07/2012 0900

8260B Volatile Organic Compounds (GC/MS)

Analysis Method:	8260B	Analysis Batch:	480-58994	Instrument ID:	HP5973F
Prep Method:	5035	Prep Batch:	480-58917	Lab File ID:	F8008.D
Dilution:	1.0			Initial Weight/Volume:	5.7 g
Analysis Date:	04/11/2012 0721			Final Weight/Volume:	5 mL
Prep Date:	04/10/2012 1150				

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
Vinyl chloride		ND		0.56	4.6
Xylenes, Total		0.77	J	0.77	9.2

Surrogate	%Rec	Qualifier	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	98		64 - 126
Toluene-d8 (Surr)	108		71 - 125
4-Bromofluorobenzene (Surr)	110		72 - 126

Client: CHA Inc

Job Number: 480-18292-1

Client Sample ID: **RB-12 (0-6")**

Lab Sample ID: 480-18292-4
Client Matrix: Solid
% Moisture: 4.3

Date Sampled: 04/05/2012 1710
Date Received: 04/07/2012 0900

8260B Volatile Organic Compounds (GC/MS)

Analysis Method:	8260B	Analysis Batch:	480-58994	Instrument ID:	HP5973F
Prep Method:	5035	Prep Batch:	480-58917	Lab File ID:	F8008.D
Dilution:	1.0			Initial Weight/Volume:	5.7 g
Analysis Date:	04/11/2012 0721			Final Weight/Volume:	5 mL
Prep Date:	04/10/2012 1150				

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

Cas Number	Analyte	RT	Est. Result (ug/Kg)	Qualifier
287-92-3	Cyclopentane	3.77	66	T J N
179601-23-1	m-Xylene & p-Xylene	8.71	0.77	J
556-67-2	Cyclotetrasiloxane, octamethyl-	9.64	11	T J N

Client: CHA Inc

Job Number: 480-18292-1

Client Sample ID: **RB-01 (0-6")**

Lab Sample ID: 480-18292-5
Client Matrix: Solid

% Moisture: 10.7

Date Sampled: 04/05/2012 1545
Date Received: 04/07/2012 0900

8260B Volatile Organic Compounds (GC/MS)

Analysis Method:	8260B	Analysis Batch:	480-59033	Instrument ID:	HP5973F
Prep Method:	5035	Prep Batch:	480-58917	Lab File ID:	F8016.D
Dilution:	1.0			Initial Weight/Volume:	3.3 g
Analysis Date:	04/11/2012 1102			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		0.62	8.5
1,1,2,2-Tetrachloroethane		ND		1.4	8.5
1,1,2-Trichloroethane		ND		1.1	8.5
1,1,2-Trichloro-1,2,2-trifluoroethane		ND		1.9	8.5
1,1-Dichloroethane		ND		1.0	8.5
1,1-Dichloroethene		ND		1.0	8.5
1,2,4-Trichlorobenzene		ND		0.52	8.5
1,2-Dibromo-3-Chloropropane		ND		4.2	8.5
1,2-Dibromoethane		ND		1.1	8.5
1,2-Dichlorobenzene		ND		0.66	8.5
1,2-Dichloroethane		ND		0.43	8.5
1,2-Dichloropropane		ND		4.2	8.5
1,3-Dichlorobenzene		ND		0.44	8.5
1,4-Dichlorobenzene		ND		1.2	8.5
2-Hexanone		ND		4.2	42
2-Butanone (MEK)		ND		3.1	42
4-Methyl-2-pentanone (MIBK)		ND		2.8	42
Acetone		ND		7.1	42
Benzene		ND		0.42	8.5
Bromodichloromethane		ND		1.1	8.5
Bromoform		ND		4.2	8.5
Bromomethane		ND		0.76	8.5
Carbon disulfide		ND		4.2	8.5
Carbon tetrachloride		ND		0.82	8.5
Chlorobenzene		ND		1.1	8.5
Dibromochloromethane		ND		1.1	8.5
Chloroethane		ND		1.9	8.5
Chloroform		ND		0.52	8.5
Chloromethane		ND		0.51	8.5
cis-1,2-Dichloroethene		ND		1.1	8.5
cis-1,3-Dichloropropene		ND		1.2	8.5
Cyclohexane		ND		1.2	8.5
Dichlorodifluoromethane		ND		0.70	8.5
Ethylbenzene		ND		0.59	8.5
Isopropylbenzene		ND		1.3	8.5
Methyl acetate		ND		1.6	8.5
Methyl tert-butyl ether		ND		0.83	8.5
Methylcyclohexane		ND		1.3	8.5
Methylene Chloride		ND		3.9	8.5
Styrene		ND		0.42	8.5
Tetrachloroethene		ND		1.1	8.5
Toluene		ND		0.64	8.5
trans-1,2-Dichloroethene		ND		0.88	8.5
trans-1,3-Dichloropropene		ND		3.7	8.5
Trichloroethene		ND		1.9	8.5
Trichlorofluoromethane		ND		0.80	8.5

Client: CHA Inc

Job Number: 480-18292-1

Client Sample ID: **RB-01 (0-6")**

Lab Sample ID: 480-18292-5
Client Matrix: Solid
% Moisture: 10.7

Date Sampled: 04/05/2012 1545
Date Received: 04/07/2012 0900

8260B Volatile Organic Compounds (GC/MS)

Analysis Method:	8260B	Analysis Batch:	480-59033	Instrument ID:	HP5973F
Prep Method:	5035	Prep Batch:	480-58917	Lab File ID:	F8016.D
Dilution:	1.0			Initial Weight/Volume:	3.3 g
Analysis Date:	04/11/2012 1102			Final Weight/Volume:	5 mL
Prep Date:	04/10/2012 1150				

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
Vinyl chloride		ND		1.0	8.5
Xylenes, Total		ND		1.4	17

Surrogate	%Rec	Qualifier	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	97		64 - 126
Toluene-d8 (Surr)	108		71 - 125
4-Bromofluorobenzene (Surr)	107		72 - 126

Client: CHA Inc

Job Number: 480-18292-1

Client Sample ID: **RB-01 (0-6")**

Lab Sample ID: 480-18292-5
Client Matrix: Solid
% Moisture: 10.7

Date Sampled: 04/05/2012 1545
Date Received: 04/07/2012 0900

8260B Volatile Organic Compounds (GC/MS)

Analysis Method:	8260B	Analysis Batch:	480-59033	Instrument ID:	HP5973F
Prep Method:	5035	Prep Batch:	480-58917	Lab File ID:	F8016.D
Dilution:	1.0			Initial Weight/Volume:	3.3 g
Analysis Date:	04/11/2012 1102			Final Weight/Volume:	5 mL
Prep Date:	04/10/2012 1150				

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

Cas Number	Analyte	RT	Est. Result (ug/Kg)	Qualifier
287-92-3	Cyclopentane	3.77	130	T J N
110-54-3	Hexane	4.07	5.1	J
	Unknown	9.64	22	T J

Client: CHA Inc

Job Number: 480-18292-1

Client Sample ID: **RB-01 (6-12")**

Lab Sample ID: 480-18292-6
Client Matrix: Solid
% Moisture: 16.5

Date Sampled: 04/05/2012 1600
Date Received: 04/07/2012 0900

8260B Volatile Organic Compounds (GC/MS)

Analysis Method:	8260B	Analysis Batch:	480-58994	Instrument ID:	HP5973F
Prep Method:	5035	Prep Batch:	480-58917	Lab File ID:	F8009.D
Dilution:	1.0			Initial Weight/Volume:	2.86 g
Analysis Date:	04/11/2012 0746			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		0.76	10
1,1,2,2-Tetrachloroethane		ND		1.7	10
1,1,2-Trichloroethane		ND		1.4	10
1,1,2-Trichloro-1,2,2-trifluoroethane		ND		2.4	10
1,1-Dichloroethane		ND		1.3	10
1,1-Dichloroethene		ND		1.3	10
1,2,4-Trichlorobenzene		ND		0.64	10
1,2-Dibromo-3-Chloropropane		ND		5.2	10
1,2-Dibromoethane		ND		1.3	10
1,2-Dichlorobenzene		ND		0.82	10
1,2-Dichloroethane		ND		0.53	10
1,2-Dichloropropane		ND		5.2	10
1,3-Dichlorobenzene		ND		0.54	10
1,4-Dichlorobenzene		ND		1.5	10
2-Hexanone		ND		5.2	52
2-Butanone (MEK)		ND		3.8	52
4-Methyl-2-pentanone (MIBK)		ND		3.4	52
Acetone		ND		8.8	52
Benzene		ND		0.51	10
Bromodichloromethane		ND		1.4	10
Bromoform		ND		5.2	10
Bromomethane		ND		0.94	10
Carbon disulfide		ND		5.2	10
Carbon tetrachloride		ND		1.0	10
Chlorobenzene		ND		1.4	10
Dibromochloromethane		ND		1.3	10
Chloroethane		ND		2.4	10
Chloroform		ND		0.65	10
Chloromethane		ND		0.63	10
cis-1,2-Dichloroethene		ND		1.3	10
cis-1,3-Dichloropropene		ND		1.5	10
Cyclohexane		ND		1.5	10
Dichlorodifluoromethane		ND		0.86	10
Ethylbenzene		ND		0.72	10
Isopropylbenzene		ND		1.6	10
Methyl acetate		ND		1.9	10
Methyl tert-butyl ether		ND		1.0	10
Methylcyclohexane		ND		1.6	10
Methylene Chloride		ND		4.8	10
Styrene		ND		0.52	10
Tetrachloroethene		ND		1.4	10
Toluene		ND		0.79	10
trans-1,2-Dichloroethene		ND		1.1	10
trans-1,3-Dichloropropene		ND		4.6	10
Trichloroethene		ND		2.3	10
Trichlorofluoromethane		ND		0.99	10

Client: CHA Inc

Job Number: 480-18292-1

Client Sample ID: **RB-01 (6-12")**

Lab Sample ID: 480-18292-6
Client Matrix: Solid
% Moisture: 16.5

Date Sampled: 04/05/2012 1600
Date Received: 04/07/2012 0900

8260B Volatile Organic Compounds (GC/MS)

Analysis Method:	8260B	Analysis Batch:	480-58994	Instrument ID:	HP5973F
Prep Method:	5035	Prep Batch:	480-58917	Lab File ID:	F8009.D
Dilution:	1.0			Initial Weight/Volume:	2.86 g
Analysis Date:	04/11/2012 0746			Final Weight/Volume:	5 mL
Prep Date:	04/10/2012 1150				

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
Vinyl chloride		ND		1.3	10
Xylenes, Total		ND		1.8	21

Surrogate	%Rec	Qualifier	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	98		64 - 126
Toluene-d8 (Surr)	109		71 - 125
4-Bromofluorobenzene (Surr)	110		72 - 126

Client: CHA Inc

Job Number: 480-18292-1

Client Sample ID: **RB-01 (6-12")**

Lab Sample ID: 480-18292-6
Client Matrix: Solid
% Moisture: 16.5

Date Sampled: 04/05/2012 1600
Date Received: 04/07/2012 0900

8260B Volatile Organic Compounds (GC/MS)

Analysis Method:	8260B	Analysis Batch:	480-58994	Instrument ID:	HP5973F
Prep Method:	5035	Prep Batch:	480-58917	Lab File ID:	F8009.D
Dilution:	1.0			Initial Weight/Volume:	2.86 g
Analysis Date:	04/11/2012 0746			Final Weight/Volume:	5 mL
Prep Date:	04/10/2012 1150				

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

Cas Number	Analyte	RT	Est. Result (ug/Kg)	Qualifier
78-78-4	Butane, 2-methyl-	2.79	22	T J N
287-92-3	Cyclopentane	3.77	390	T J N
110-54-3	Hexane	4.07	15	J
556-67-2	Cyclotetrasiloxane, octamethyl-	9.64	72	T J N

Client: CHA Inc

Job Number: 480-18292-1

Client Sample ID: **RB-01 (12-24")**

Lab Sample ID: 480-18292-7
Client Matrix: Solid
% Moisture: 17.5

Date Sampled: 04/05/2012 1610
Date Received: 04/07/2012 0900

8260B Volatile Organic Compounds (GC/MS)

Analysis Method:	8260B	Analysis Batch:	480-58994	Instrument ID:	HP5973F
Prep Method:	5035	Prep Batch:	480-58917	Lab File ID:	F8010.D
Dilution:	1.0			Initial Weight/Volume:	4.2 g
Analysis Date:	04/11/2012 0812			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		0.52	7.2
1,1,2,2-Tetrachloroethane		ND		1.2	7.2
1,1,2-Trichloroethane		ND		0.94	7.2
1,1,2-Trichloro-1,2,2-trifluoroethane		ND		1.6	7.2
1,1-Dichloroethane		ND		0.88	7.2
1,1-Dichloroethene		ND		0.88	7.2
1,2,4-Trichlorobenzene		ND		0.44	7.2
1,2-Dibromo-3-Chloropropane		ND		3.6	7.2
1,2-Dibromoethane		ND		0.93	7.2
1,2-Dichlorobenzene		ND		0.56	7.2
1,2-Dichloroethane		ND		0.36	7.2
1,2-Dichloropropane		ND		3.6	7.2
1,3-Dichlorobenzene		ND		0.37	7.2
1,4-Dichlorobenzene		ND		1.0	7.2
2-Hexanone		ND		3.6	36
2-Butanone (MEK)		ND		2.6	36
4-Methyl-2-pentanone (MIBK)		ND		2.4	36
Acetone		ND		6.1	36
Benzene		ND		0.35	7.2
Bromodichloromethane		ND		0.97	7.2
Bromoform		ND		3.6	7.2
Bromomethane		ND		0.65	7.2
Carbon disulfide		ND		3.6	7.2
Carbon tetrachloride		ND		0.70	7.2
Chlorobenzene		ND		0.95	7.2
Dibromochloromethane		ND		0.92	7.2
Chloroethane		ND		1.6	7.2
Chloroform		ND		0.45	7.2
Chloromethane		ND		0.44	7.2
cis-1,2-Dichloroethene		ND		0.92	7.2
cis-1,3-Dichloropropene		ND		1.0	7.2
Cyclohexane		ND		1.0	7.2
Dichlorodifluoromethane		ND		0.60	7.2
Ethylbenzene		ND		0.50	7.2
Isopropylbenzene		ND		1.1	7.2
Methyl acetate		1.9	J	1.3	7.2
Methyl tert-butyl ether		ND		0.71	7.2
Methylcyclohexane		ND		1.1	7.2
Methylene Chloride		ND		3.3	7.2
Styrene		ND		0.36	7.2
Tetrachloroethene		ND		0.97	7.2
Toluene		ND		0.55	7.2
trans-1,2-Dichloroethene		ND		0.74	7.2
trans-1,3-Dichloropropene		ND		3.2	7.2
Trichloroethene		ND		1.6	7.2
Trichlorofluoromethane		ND		0.68	7.2

Client: CHA Inc

Job Number: 480-18292-1

Client Sample ID: **RB-01 (12-24")**

Lab Sample ID: 480-18292-7
Client Matrix: Solid
% Moisture: 17.5

Date Sampled: 04/05/2012 1610
Date Received: 04/07/2012 0900

8260B Volatile Organic Compounds (GC/MS)

Analysis Method:	8260B	Analysis Batch:	480-58994	Instrument ID:	HP5973F
Prep Method:	5035	Prep Batch:	480-58917	Lab File ID:	F8010.D
Dilution:	1.0			Initial Weight/Volume:	4.2 g
Analysis Date:	04/11/2012 0812			Final Weight/Volume:	5 mL
Prep Date:	04/10/2012 1150				

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
Vinyl chloride		ND		0.88	7.2
Xylenes, Total		ND		1.2	14

Surrogate	%Rec	Qualifier	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	96		64 - 126
Toluene-d8 (Surr)	109		71 - 125
4-Bromofluorobenzene (Surr)	108		72 - 126

Client: CHA Inc

Job Number: 480-18292-1

Client Sample ID: **RB-01 (12-24")**

Lab Sample ID: 480-18292-7
Client Matrix: Solid
% Moisture: 17.5

Date Sampled: 04/05/2012 1610
Date Received: 04/07/2012 0900

8260B Volatile Organic Compounds (GC/MS)

Analysis Method:	8260B	Analysis Batch:	480-58994	Instrument ID:	HP5973F
Prep Method:	5035	Prep Batch:	480-58917	Lab File ID:	F8010.D
Dilution:	1.0			Initial Weight/Volume:	4.2 g
Analysis Date:	04/11/2012 0812			Final Weight/Volume:	5 mL
Prep Date:	04/10/2012 1150				

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

Cas Number	Analyte	RT	Est. Result (ug/Kg)	Qualifier
75-05-8	Acetonitrile	3.77	150	J
	Unknown	9.64	18	T J

Client: CHA Inc

Job Number: 480-18292-1

Client Sample ID: **RB-02 (0-6")**

Lab Sample ID: 480-18292-8
Client Matrix: Solid
% Moisture: 6.8

Date Sampled: 04/05/2012 1620
Date Received: 04/07/2012 0900

8260B Volatile Organic Compounds (GC/MS)

Analysis Method:	8260B	Analysis Batch:	480-59033	Instrument ID:	HP5973F
Prep Method:	5035	Prep Batch:	480-58917	Lab File ID:	F8019.D
Dilution:	1.0			Initial Weight/Volume:	5.25 g
Analysis Date:	04/11/2012 1218			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		0.37	5.1
1,1,2,2-Tetrachloroethane		ND		0.83	5.1
1,1,2-Trichloroethane		ND		0.66	5.1
1,1,2-Trichloro-1,2,2-trifluoroethane		ND		1.2	5.1
1,1-Dichloroethane		ND		0.62	5.1
1,1-Dichloroethene		ND		0.63	5.1
1,2,4-Trichlorobenzene		ND		0.31	5.1
1,2-Dibromo-3-Chloropropane		ND		2.6	5.1
1,2-Dibromoethane		ND		0.66	5.1
1,2-Dichlorobenzene		ND		0.40	5.1
1,2-Dichloroethane		ND		0.26	5.1
1,2-Dichloropropane		ND		2.6	5.1
1,3-Dichlorobenzene		ND		0.26	5.1
1,4-Dichlorobenzene		ND		0.72	5.1
2-Hexanone		ND		2.6	26
2-Butanone (MEK)		ND		1.9	26
4-Methyl-2-pentanone (MIBK)		ND		1.7	26
Acetone		ND		4.3	26
Benzene		ND		0.25	5.1
Bromodichloromethane		ND		0.68	5.1
Bromoform		ND		2.6	5.1
Bromomethane		ND		0.46	5.1
Carbon disulfide		ND		2.6	5.1
Carbon tetrachloride		ND		0.49	5.1
Chlorobenzene		ND		0.67	5.1
Dibromochloromethane		ND		0.65	5.1
Chloroethane		ND		1.2	5.1
Chloroform		ND		0.32	5.1
Chloromethane		ND		0.31	5.1
cis-1,2-Dichloroethene		ND		0.65	5.1
cis-1,3-Dichloropropene		ND		0.74	5.1
Cyclohexane		ND		0.72	5.1
Dichlorodifluoromethane		ND		0.42	5.1
Ethylbenzene		ND		0.35	5.1
Isopropylbenzene		ND		0.77	5.1
Methyl acetate		ND		0.95	5.1
Methyl tert-butyl ether		ND		0.50	5.1
Methylcyclohexane		ND		0.78	5.1
Methylene Chloride		ND		2.3	5.1
Styrene		ND		0.26	5.1
Tetrachloroethene		ND		0.69	5.1
Toluene		ND		0.39	5.1
trans-1,2-Dichloroethene		ND		0.53	5.1
trans-1,3-Dichloropropene		ND		2.2	5.1
Trichloroethene		ND		1.1	5.1
Trichlorofluoromethane		ND		0.48	5.1

Client: CHA Inc

Job Number: 480-18292-1

Client Sample ID: **RB-02 (0-6")**

Lab Sample ID: 480-18292-8
Client Matrix: Solid
% Moisture: 6.8
Date Sampled: 04/05/2012 1620
Date Received: 04/07/2012 0900

8260B Volatile Organic Compounds (GC/MS)

Analysis Method:	8260B	Analysis Batch:	480-59033	Instrument ID:	HP5973F
Prep Method:	5035	Prep Batch:	480-58917	Lab File ID:	F8019.D
Dilution:	1.0			Initial Weight/Volume:	5.25 g
Analysis Date:	04/11/2012 1218			Final Weight/Volume:	5 mL
Prep Date:	04/10/2012 1150				

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
Vinyl chloride		ND		0.62	5.1
Xylenes, Total		ND		0.86	10

Surrogate	%Rec	Qualifier	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	97		64 - 126
Toluene-d8 (Surr)	108		71 - 125
4-Bromofluorobenzene (Surr)	108		72 - 126

Client: CHA Inc

Job Number: 480-18292-1

Client Sample ID: **RB-02 (0-6")**

Lab Sample ID: 480-18292-8
Client Matrix: Solid
% Moisture: 6.8

Date Sampled: 04/05/2012 1620
Date Received: 04/07/2012 0900

8260B Volatile Organic Compounds (GC/MS)

Analysis Method:	8260B	Analysis Batch:	480-59033	Instrument ID:	HP5973F
Prep Method:	5035	Prep Batch:	480-58917	Lab File ID:	F8019.D
Dilution:	1.0			Initial Weight/Volume:	5.25 g
Analysis Date:	04/11/2012 1218			Final Weight/Volume:	5 mL
Prep Date:	04/10/2012 1150				

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

Cas Number	Analyte	RT	Est. Result (ug/Kg)	Qualifier
287-92-3	Cyclopentane	3.77	89	T J N
110-54-3	Hexane	4.07	3.2	J
	Unknown	9.64	16	T J

Client: CHA Inc

Job Number: 480-18292-1

Client Sample ID: **RB-02 (6-12")**

Lab Sample ID: 480-18292-9
Client Matrix: Solid

% Moisture: 7.6

Date Sampled: 04/05/2012 1640
Date Received: 04/07/2012 0900

8260B Volatile Organic Compounds (GC/MS)

Analysis Method:	8260B	Analysis Batch:	480-59033	Instrument ID:	HP5973F
Prep Method:	5035	Prep Batch:	480-58917	Lab File ID:	F8020.D
Dilution:	1.0			Initial Weight/Volume:	5.58 g
Analysis Date:	04/11/2012 1244			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		0.35	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: 480-18292-1

Client Sample ID: **RB-02 (6-12")**

Lab Sample ID: 480-18292-9
Client Matrix: Solid
% Moisture: 7.6

Date Sampled: 04/05/2012 1640
Date Received: 04/07/2012 0900

8260B Volatile Organic Compounds (GC/MS)

Analysis Method:	8260B	Analysis Batch:	480-59033	Instrument ID:	HP5973F
Prep Method:	5035	Prep Batch:	480-58917	Lab File ID:	F8020.D
Dilution:	1.0			Initial Weight/Volume:	5.58 g
Analysis Date:	04/11/2012 1244			Final Weight/Volume:	5 mL
Prep Date:	04/10/2012 1150				

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

Surrogate	%Rec	Qualifier	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	97		64 - 126
Toluene-d8 (Surr)	108		71 - 125
4-Bromofluorobenzene (Surr)	108		72 - 126

Client: CHA Inc

Job Number: 480-18292-1

Client Sample ID: **RB-02 (6-12")**

Lab Sample ID: 480-18292-9
Client Matrix: Solid
% Moisture: 7.6

Date Sampled: 04/05/2012 1640
Date Received: 04/07/2012 0900

8260B Volatile Organic Compounds (GC/MS)

Analysis Method:	8260B	Analysis Batch:	480-59033	Instrument ID:	HP5973F
Prep Method:	5035	Prep Batch:	480-58917	Lab File ID:	F8020.D
Dilution:	1.0			Initial Weight/Volume:	5.58 g
Analysis Date:	04/11/2012 1244			Final Weight/Volume:	5 mL
Prep Date:	04/10/2012 1150				

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

Cas Number	Analyte	RT	Est. Result (ug/Kg)	Qualifier
287-92-3	Cyclopentane	3.77	88	T J N
110-54-3	Hexane	4.07	3.5	J
	Unknown	9.64	16	T J

Client: CHA Inc

Job Number: 480-18292-1

Client Sample ID: **RB-02 (12-24")**

Lab Sample ID: 480-18292-10
Client Matrix: Solid
% Moisture: 11.3
Date Sampled: 04/05/2012 1650
Date Received: 04/07/2012 0900

8260B Volatile Organic Compounds (GC/MS)

Analysis Method:	8260B	Analysis Batch:	480-59033	Instrument ID:	HP5973F
Prep Method:	5035	Prep Batch:	480-58917	Lab File ID:	F8021.D
Dilution:	1.0			Initial Weight/Volume:	5.27 g
Analysis Date:	04/11/2012 1309			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		0.39	5.3
1,1,2,2-Tetrachloroethane		ND		0.87	5.3
1,1,2-Trichloroethane		ND		0.70	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		0.33	5.3
1,2-Dibromo-3-Chloropropane		ND		2.7	5.3
1,2-Dibromoethane		ND		0.69	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		2.0	27
4-Methyl-2-pentanone (MIBK)		ND		1.8	27
Acetone		ND		4.5	27
Benzene		ND		0.26	5.3
Bromodichloromethane		ND		0.72	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		0.71	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		0.81	5.3
Methyl acetate		ND		0.99	5.3
Methyl tert-butyl ether		ND		0.53	5.3
Methylcyclohexane		ND		0.81	5.3
Methylene Chloride		ND		2.5	5.3
Styrene		ND		0.27	5.3
Tetrachloroethene		ND		0.72	5.3
Toluene		ND		0.40	5.3
trans-1,2-Dichloroethene		ND		0.55	5.3
trans-1,3-Dichloropropene		ND		2.4	5.3
Trichloroethene		ND		1.2	5.3
Trichlorofluoromethane		ND		0.51	5.3

Client: CHA Inc

Job Number: 480-18292-1

Client Sample ID: **RB-02 (12-24")**

Lab Sample ID: 480-18292-10
Client Matrix: Solid
% Moisture: 11.3

Date Sampled: 04/05/2012 1650
Date Received: 04/07/2012 0900

8260B Volatile Organic Compounds (GC/MS)

Analysis Method:	8260B	Analysis Batch:	480-59033	Instrument ID:	HP5973F
Prep Method:	5035	Prep Batch:	480-58917	Lab File ID:	F8021.D
Dilution:	1.0			Initial Weight/Volume:	5.27 g
Analysis Date:	04/11/2012 1309			Final Weight/Volume:	5 mL
Prep Date:	04/10/2012 1150				

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

Surrogate	%Rec	Qualifier	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	99		64 - 126
Toluene-d8 (Surr)	108		71 - 125
4-Bromofluorobenzene (Surr)	108		72 - 126

Client: CHA Inc

Job Number: 480-18292-1

Client Sample ID: **RB-02 (12-24")**

Lab Sample ID: 480-18292-10
Client Matrix: Solid
% Moisture: 11.3

Date Sampled: 04/05/2012 1650
Date Received: 04/07/2012 0900

8260B Volatile Organic Compounds (GC/MS)

Analysis Method:	8260B	Analysis Batch:	480-59033	Instrument ID:	HP5973F
Prep Method:	5035	Prep Batch:	480-58917	Lab File ID:	F8021.D
Dilution:	1.0			Initial Weight/Volume:	5.27 g
Analysis Date:	04/11/2012 1309			Final Weight/Volume:	5 mL
Prep Date:	04/10/2012 1150				

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

Cas Number	Analyte	RT	Est. Result (ug/Kg)	Qualifier
	Unknown	3.77	89	T J
110-54-3	Hexane	4.07	3.8	J
556-67-2	Cyclotetrasiloxane, octamethyl-	9.64	24	T J N

Client: CHA Inc

Job Number: 480-18292-1

Client Sample ID: **DUP-03**

Lab Sample ID: 480-18292-11
Client Matrix: Solid
% Moisture: 18.5

Date Sampled: 04/05/2012 1630
Date Received: 04/07/2012 0900

8260B Volatile Organic Compounds (GC/MS)

Analysis Method:	8260B	Analysis Batch:	480-59033	Instrument ID:	HP5973F
Prep Method:	5035	Prep Batch:	480-58917	Lab File ID:	F8022.D
Dilution:	1.0			Initial Weight/Volume:	3.5 g
Analysis Date:	04/11/2012 1335			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		0.64	8.8
1,1,2,2-Tetrachloroethane		ND		1.4	8.8
1,1,2-Trichloroethane		ND		1.1	8.8
1,1,2-Trichloro-1,2,2-trifluoroethane		ND		2.0	8.8
1,1-Dichloroethane		ND		1.1	8.8
1,1-Dichloroethene		ND		1.1	8.8
1,2,4-Trichlorobenzene		ND		0.53	8.8
1,2-Dibromo-3-Chloropropane		ND		4.4	8.8
1,2-Dibromoethane		ND		1.1	8.8
1,2-Dichlorobenzene		ND		0.69	8.8
1,2-Dichloroethane		ND		0.44	8.8
1,2-Dichloropropane		ND		4.4	8.8
1,3-Dichlorobenzene		ND		0.45	8.8
1,4-Dichlorobenzene		ND		1.2	8.8
2-Hexanone		ND		4.4	44
2-Butanone (MEK)		ND		3.2	44
4-Methyl-2-pentanone (MIBK)		ND		2.9	44
Acetone		ND		7.4	44
Benzene		ND		0.43	8.8
Bromodichloromethane		ND		1.2	8.8
Bromoform		ND		4.4	8.8
Bromomethane		ND		0.79	8.8
Carbon disulfide		ND		4.4	8.8
Carbon tetrachloride		ND		0.85	8.8
Chlorobenzene		ND		1.2	8.8
Dibromochloromethane		ND		1.1	8.8
Chloroethane		ND		2.0	8.8
Chloroform		ND		0.54	8.8
Chloromethane		ND		0.53	8.8
cis-1,2-Dichloroethene		ND		1.1	8.8
cis-1,3-Dichloropropene		ND		1.3	8.8
Cyclohexane		ND		1.2	8.8
Dichlorodifluoromethane		ND		0.72	8.8
Ethylbenzene		ND		0.60	8.8
Isopropylbenzene		ND		1.3	8.8
Methyl acetate		ND		1.6	8.8
Methyl tert-butyl ether		ND		0.86	8.8
Methylcyclohexane		ND		1.3	8.8
Methylene Chloride		ND		4.0	8.8
Styrene		ND		0.44	8.8
Tetrachloroethene		ND		1.2	8.8
Toluene		ND		0.66	8.8
trans-1,2-Dichloroethene		ND		0.90	8.8
trans-1,3-Dichloropropene		ND		3.9	8.8
Trichloroethene		ND		1.9	8.8
Trichlorofluoromethane		ND		0.83	8.8

Client: CHA Inc

Job Number: 480-18292-1

Client Sample ID: **DUP-03**

Lab Sample ID: 480-18292-11
Client Matrix: Solid
% Moisture: 18.5

Date Sampled: 04/05/2012 1630
Date Received: 04/07/2012 0900

8260B Volatile Organic Compounds (GC/MS)

Analysis Method:	8260B	Analysis Batch:	480-59033	Instrument ID:	HP5973F
Prep Method:	5035	Prep Batch:	480-58917	Lab File ID:	F8022.D
Dilution:	1.0			Initial Weight/Volume:	3.5 g
Analysis Date:	04/11/2012 1335			Final Weight/Volume:	5 mL
Prep Date:	04/10/2012 1150				

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
Vinyl chloride		ND		1.1	8.8
Xylenes, Total		ND		1.5	18

Surrogate	%Rec	Qualifier	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	98		64 - 126
Toluene-d8 (Surr)	110		71 - 125
4-Bromofluorobenzene (Surr)	108		72 - 126

Client: CHA Inc

Job Number: 480-18292-1

Client Sample ID: **DUP-03**

Lab Sample ID: 480-18292-11
Client Matrix: Solid
% Moisture: 18.5

Date Sampled: 04/05/2012 1630
Date Received: 04/07/2012 0900

8260B Volatile Organic Compounds (GC/MS)

Analysis Method:	8260B	Analysis Batch:	480-59033	Instrument ID:	HP5973F
Prep Method:	5035	Prep Batch:	480-58917	Lab File ID:	F8022.D
Dilution:	1.0			Initial Weight/Volume:	3.5 g
Analysis Date:	04/11/2012 1335			Final Weight/Volume:	5 mL
Prep Date:	04/10/2012 1150				

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

Cas Number	Analyte	RT	Est. Result (ug/Kg)	Qualifier
287-92-3	Cyclopentane	3.77	130	T J N
556-67-2	Cyclotetrasiloxane, octamethyl-	9.64	31	T J N

Client: CHA Inc

Job Number: 480-18292-1

Client Sample ID: **TRIP BLANK**

Lab Sample ID: 480-18292-12
Client Matrix: Water

Date Sampled: 04/05/2012 0000
Date Received: 04/07/2012 0900

8260B Volatile Organic Compounds (GC/MS)

Analysis Method:	8260B	Analysis Batch:	480-59441	Instrument ID:	HP5973G
Prep Method:	5030B	Prep Batch:	N/A	Lab File ID:	G11036.D
Dilution:	1.0			Initial Weight/Volume:	5 mL
Analysis Date:	04/13/2012 1609			Final Weight/Volume:	5 mL
Prep Date:	04/13/2012 1609				

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: 480-18292-1

Client Sample ID: **TRIP BLANK**

Lab Sample ID: 480-18292-12
Client Matrix: Water

Date Sampled: 04/05/2012 0000
Date Received: 04/07/2012 0900

8260B Volatile Organic Compounds (GC/MS)

Analysis Method:	8260B	Analysis Batch:	480-59441	Instrument ID:	HP5973G
Prep Method:	5030B	Prep Batch:	N/A	Lab File ID:	G11036.D
Dilution:	1.0			Initial Weight/Volume:	5 mL
Analysis Date:	04/13/2012 1609			Final Weight/Volume:	5 mL
Prep Date:	04/13/2012 1609				

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)	120		66 - 137
Toluene-d8 (Surr)	99		71 - 126
4-Bromofluorobenzene (Surr)	106		73 - 120

Client: CHA Inc

Job Number: 480-18292-1

Client Sample ID: **TRIP BLANK**

Lab Sample ID: 480-18292-12
Client Matrix: Water

Date Sampled: 04/05/2012 0000
Date Received: 04/07/2012 0900

8260B Volatile Organic Compounds (GC/MS)

Analysis Method:	8260B	Analysis Batch:	480-59441	Instrument ID:	HP5973G
Prep Method:	5030B	Prep Batch:	N/A	Lab File ID:	G11036.D
Dilution:	1.0			Initial Weight/Volume:	5 mL
Analysis Date:	04/13/2012 1609			Final Weight/Volume:	5 mL
Prep Date:	04/13/2012 1609				

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: 480-18292-1

Client Sample ID: **RB-10 (6-12")**

Lab Sample ID: 480-18292-1
Client Matrix: Solid
% Moisture: 8.1

Date Sampled: 04/05/2012 1520
Date Received: 04/07/2012 0900

8270C Semivolatile Organic Compounds (GC/MS)

Analysis Method:	8270C	Analysis Batch:	480-59155	Instrument ID:	HP5973V
Prep Method:	3550B	Prep Batch:	480-58845	Lab File ID:	V8866.D
Dilution:	10			Initial Weight/Volume:	+30.49 g
Analysis Date:	04/11/2012 2305			Final Weight/Volume:	1 mL
Prep Date:	04/10/2012 0739			Injection Volume:	1 uL

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
2,4,5-Trichlorophenol		ND		390	1800
2,4,6-Trichlorophenol		ND		120	1800
2,4-Dichlorophenol		ND		95	1800
2,4-Dimethylphenol		ND		490	1800
2,4-Dinitrophenol		ND		630	3500
2,4-Dinitrotoluene		ND		280	1800
2,6-Dinitrotoluene		ND		440	1800
2-Chloronaphthalene		ND		120	1800
2-Chlorophenol		ND		92	1800
2-Methylnaphthalene		ND		22	1800
2-Methylphenol		ND		56	1800
2-Nitroaniline		ND		580	3500
2-Nitrophenol		ND		83	1800
3,3'-Dichlorobenzidine		ND		1600	1800
3-Nitroaniline		ND		420	3500
4,6-Dinitro-2-methylphenol		ND		620	3500
4-Bromophenyl phenyl ether		ND		580	1800
4-Chloro-3-methylphenol		ND		74	1800
4-Chloroaniline		ND		530	1800
4-Chlorophenyl phenyl ether		ND		39	1800
4-Methylphenol		ND		100	3500
4-Nitroaniline		ND		200	3500
4-Nitrophenol		ND		440	3500
Acenaphthene		ND		21	1800
Acenaphthylene		ND		15	1800
Acetophenone		ND		93	1800
Anthracene		ND		46	1800
Atrazine		ND		80	1800
Benzaldehyde		ND		200	1800
Benzo(a)anthracene		2400		31	1800
Benzo(a)pyrene		2100		44	1800
Benzo(b)fluoranthene		6400		35	1800
Benzo(g,h,i)perylene		4300		22	1800
Benzo(k)fluoranthene		2500		20	1800
Biphenyl		ND		110	1800
bis (2-chloroisopropyl) ether		ND		190	1800
Bis(2-chloroethoxy)methane		ND		98	1800
Bis(2-chloroethyl)ether		ND		160	1800
Bis(2-ethylhexyl) phthalate		ND		580	1800
Butyl benzyl phthalate		ND		490	1800
Caprolactam		ND		780	1800
Carbazole		ND		21	1800
Chrysene		4000		18	1800
Dibenz(a,h)anthracene		2000		21	1800
Dibenzofuran		ND		19	1800
Diethyl phthalate		ND		55	1800

Client: CHA Inc

Job Number: 480-18292-1

Client Sample ID: **RB-10 (6-12")**

Lab Sample ID: 480-18292-1
Client Matrix: Solid
% Moisture: 8.1
Date Sampled: 04/05/2012 1520
Date Received: 04/07/2012 0900

8270C Semivolatile Organic Compounds (GC/MS)

Analysis Method:	8270C	Analysis Batch:	480-59155	Instrument ID:	HP5973V
Prep Method:	3550B	Prep Batch:	480-58845	Lab File ID:	V8866.D
Dilution:	10			Initial Weight/Volume:	+30.49 g
Analysis Date:	04/11/2012 2305			Final Weight/Volume:	1 mL
Prep Date:	04/10/2012 0739			Injection Volume:	1 uL

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
Dimethyl phthalate		ND		47	1800
Di-n-butyl phthalate		ND		620	1800
Di-n-octyl phthalate		ND		42	1800
Fluoranthene		4600		26	1800
Fluorene		ND		42	1800
Hexachlorobenzene		ND		90	1800
Hexachlorobutadiene		ND		92	1800
Hexachlorocyclopentadiene		ND		550	1800
Hexachloroethane		ND		140	1800
Indeno(1,2,3-cd)pyrene		3200		50	1800
Isophorone		ND		90	1800
Naphthalene		ND		30	1800
Nitrobenzene		ND		80	1800
N-Nitrosodi-n-propylamine		ND		140	1800
N-Nitrosodiphenylamine		ND		99	1800
Pentachlorophenol		ND		620	3500
Phenanthrene		1900		38	1800
Phenol		ND		190	1800
Pyrene		2800		12	1800

Surrogate	%Rec	Qualifier	Acceptance Limits
2,4,6-Tribromophenol	73		39 - 146
2-Fluorobiphenyl	81		37 - 120
2-Fluorophenol	70		18 - 120
Nitrobenzene-d5	75		34 - 132
Phenol-d5	66		11 - 120
p-Terphenyl-d14	99		65 - 153

Client: CHA Inc

Job Number: 480-18292-1

Client Sample ID: **RB-10 (6-12")**

Lab Sample ID: 480-18292-1
Client Matrix: Solid
% Moisture: 8.1

Date Sampled: 04/05/2012 1520
Date Received: 04/07/2012 0900

8270C Semivolatile Organic Compounds (GC/MS)

Analysis Method:	8270C	Analysis Batch:	480-59155	Instrument ID:	HP5973V
Prep Method:	3550B	Prep Batch:	480-58845	Lab File ID:	V8866.D
Dilution:	10			Initial Weight/Volume:	+30.49 g
Analysis Date:	04/11/2012 2305			Final Weight/Volume:	1 mL
Prep Date:	04/10/2012 0739			Injection Volume:	1 uL

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

Cas Number	Analyte	RT	Est. Result (ug/Kg)	Qualifier
198-55-0	Perylene	15.38	3900	T J N

Client: CHA Inc

Job Number: 480-18292-1

Client Sample ID: **RB-10 (12-24")**

Lab Sample ID: 480-18292-2
Client Matrix: Solid
% Moisture: 7.0

Date Sampled: 04/05/2012 1530
Date Received: 04/07/2012 0900

8270C Semivolatile Organic Compounds (GC/MS)

Analysis Method:	8270C	Analysis Batch:	480-59155	Instrument ID:	HP5973V
Prep Method:	3550B	Prep Batch:	480-58845	Lab File ID:	V8867.D
Dilution:	10			Initial Weight/Volume:	+30.40 g
Analysis Date:	04/11/2012 2329			Final Weight/Volume:	1 mL
Prep Date:	04/10/2012 0739			Injection Volume:	1 uL

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
2,4,5-Trichlorophenol		ND		390	1800
2,4,6-Trichlorophenol		ND		120	1800
2,4-Dichlorophenol		ND		94	1800
2,4-Dimethylphenol		ND		480	1800
2,4-Dinitrophenol		ND		630	3500
2,4-Dinitrotoluene		ND		280	1800
2,6-Dinitrotoluene		ND		440	1800
2-Chloronaphthalene		ND		120	1800
2-Chlorophenol		ND		91	1800
2-Methylnaphthalene		120	J	22	1800
2-Methylphenol		ND		55	1800
2-Nitroaniline		ND		570	3500
2-Nitrophenol		ND		82	1800
3,3'-Dichlorobenzidine		ND		1600	1800
3-Nitroaniline		ND		410	3500
4,6-Dinitro-2-methylphenol		ND		620	3500
4-Bromophenyl phenyl ether		ND		570	1800
4-Chloro-3-methylphenol		ND		74	1800
4-Chloroaniline		ND		530	1800
4-Chlorophenyl phenyl ether		ND		38	1800
4-Methylphenol		ND		100	3500
4-Nitroaniline		ND		200	3500
4-Nitrophenol		ND		430	3500
Acenaphthene		ND		21	1800
Acenaphthylene		ND		15	1800
Acetophenone		ND		92	1800
Anthracene		ND		46	1800
Atrazine		ND		80	1800
Benzaldehyde		ND		200	1800
Benzo(a)anthracene		3400		31	1800
Benzo(a)pyrene		2900		43	1800
Benzo(b)fluoranthene		8500		35	1800
Benzo(g,h,i)perylene		5200		21	1800
Benzo(k)fluoranthene		2300		20	1800
Biphenyl		ND		110	1800
bis (2-chloroisopropyl) ether		ND		190	1800
Bis(2-chloroethoxy)methane		ND		97	1800
Bis(2-chloroethyl)ether		ND		150	1800
Bis(2-ethylhexyl) phthalate		ND		580	1800
Butyl benzyl phthalate		ND		480	1800
Caprolactam		ND		770	1800
Carbazole		ND		21	1800
Chrysene		5200		18	1800
Dibenz(a,h)anthracene		2300		21	1800
Dibenzofuran		ND		19	1800
Diethyl phthalate		ND		54	1800

Client: CHA Inc

Job Number: 480-18292-1

Client Sample ID: **RB-10 (12-24")**

Lab Sample ID: 480-18292-2
Client Matrix: Solid
% Moisture: 7.0
Date Sampled: 04/05/2012 1530
Date Received: 04/07/2012 0900

8270C Semivolatile Organic Compounds (GC/MS)

Analysis Method:	8270C	Analysis Batch:	480-59155	Instrument ID:	HP5973V
Prep Method:	3550B	Prep Batch:	480-58845	Lab File ID:	V8867.D
Dilution:	10			Initial Weight/Volume:	+30.40 g
Analysis Date:	04/11/2012 2329			Final Weight/Volume:	1 mL
Prep Date:	04/10/2012 0739			Injection Volume:	1 uL

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
Dimethyl phthalate		ND		47	1800
Di-n-butyl phthalate		ND		620	1800
Di-n-octyl phthalate		ND		42	1800
Fluoranthene		5900		26	1800
Fluorene		ND		41	1800
Hexachlorobenzene		ND		89	1800
Hexachlorobutadiene		ND		92	1800
Hexachlorocyclopentadiene		ND		540	1800
Hexachloroethane		ND		140	1800
Indeno(1,2,3-cd)pyrene		3700		50	1800
Isophorone		ND		90	1800
Naphthalene		220	J	30	1800
Nitrobenzene		ND		79	1800
N-Nitrosodi-n-propylamine		ND		140	1800
N-Nitrosodiphenylamine		ND		98	1800
Pentachlorophenol		ND		610	3500
Phenanthrene		3100		38	1800
Phenol		ND		190	1800
Pyrene		3600		12	1800

Surrogate	%Rec	Qualifier	Acceptance Limits
2,4,6-Tribromophenol	92		39 - 146
2-Fluorobiphenyl	91		37 - 120
2-Fluorophenol	72		18 - 120
Nitrobenzene-d5	82		34 - 132
Phenol-d5	73		11 - 120
p-Terphenyl-d14	107		65 - 153

Client: CHA Inc

Job Number: 480-18292-1

Client Sample ID: **RB-10 (12-24")**

Lab Sample ID: 480-18292-2
Client Matrix: Solid
% Moisture: 7.0

Date Sampled: 04/05/2012 1530
Date Received: 04/07/2012 0900

8270C Semivolatile Organic Compounds (GC/MS)

Analysis Method:	8270C	Analysis Batch:	480-59155	Instrument ID:	HP5973V
Prep Method:	3550B	Prep Batch:	480-58845	Lab File ID:	V8867.D
Dilution:	10			Initial Weight/Volume:	+30.40 g
Analysis Date:	04/11/2012 2329			Final Weight/Volume:	1 mL
Prep Date:	04/10/2012 0739			Injection Volume:	1 uL

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

Cas Number	Analyte	RT	Est. Result (ug/Kg)	Qualifier
205-99-2	Benz[e]acephenanthrylene	15.38	4700	T J N

Client: CHA Inc

Job Number: 480-18292-1

Client Sample ID: **RB-11 (0-6")**

Lab Sample ID: 480-18292-3
Client Matrix: Solid
% Moisture: 6.1
Date Sampled: 04/05/2012 1700
Date Received: 04/07/2012 0900

8270C Semivolatile Organic Compounds (GC/MS)

Analysis Method:	8270C	Analysis Batch:	480-59155	Instrument ID:	HP5973V
Prep Method:	3550B	Prep Batch:	480-58845	Lab File ID:	V8868.D
Dilution:	10			Initial Weight/Volume:	+30.55 g
Analysis Date:	04/11/2012 2353			Final Weight/Volume:	1 mL
Prep Date:	04/10/2012 0739			Injection Volume:	1 uL

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
2,4,5-Trichlorophenol		ND		380	1800
2,4,6-Trichlorophenol		ND		120	1800
2,4-Dichlorophenol		ND		93	1800
2,4-Dimethylphenol		ND		480	1800
2,4-Dinitrophenol		ND		620	3500
2,4-Dinitrotoluene		ND		270	1800
2,6-Dinitrotoluene		ND		430	1800
2-Chloronaphthalene		ND		120	1800
2-Chlorophenol		ND		90	1800
2-Methylnaphthalene		ND		21	1800
2-Methylphenol		ND		54	1800
2-Nitroaniline		ND		570	3500
2-Nitrophenol		ND		81	1800
3,3'-Dichlorobenzidine		ND		1500	1800
3-Nitroaniline		ND		410	3500
4,6-Dinitro-2-methylphenol		ND		610	3500
4-Bromophenyl phenyl ether		ND		560	1800
4-Chloro-3-methylphenol		ND		73	1800
4-Chloroaniline		ND		520	1800
4-Chlorophenyl phenyl ether		ND		38	1800
4-Methylphenol		ND		98	3500
4-Nitroaniline		ND		200	3500
4-Nitrophenol		ND		430	3500
Acenaphthene		ND		21	1800
Acenaphthylene		ND		14	1800
Acetophenone		ND		91	1800
Anthracene		290	J	45	1800
Atrazine		ND		79	1800
Benzaldehyde		ND		190	1800
Benzo(a)anthracene		1600	J	30	1800
Benzo(a)pyrene		1900		43	1800
Benzo(b)fluoranthene		2900		34	1800
Benzo(g,h,i)perylene		1300	J	21	1800
Benzo(k)fluoranthene		1300	J	19	1800
Biphenyl		ND		110	1800
bis (2-chloroisopropyl) ether		ND		180	1800
Bis(2-chloroethoxy)methane		ND		96	1800
Bis(2-chloroethyl)ether		ND		150	1800
Bis(2-ethylhexyl) phthalate		ND		570	1800
Butyl benzyl phthalate		ND		470	1800
Caprolactam		ND		760	1800
Carbazole		ND		20	1800
Chrysene		1700	J	18	1800
Dibenz(a,h)anthracene		1400	J	21	1800
Dibenzofuran		ND		18	1800
Diethyl phthalate		ND		53	1800

Client: CHA Inc

Job Number: 480-18292-1

Client Sample ID: **RB-11 (0-6")**

Lab Sample ID: 480-18292-3
Client Matrix: Solid
% Moisture: 6.1
Date Sampled: 04/05/2012 1700
Date Received: 04/07/2012 0900

8270C Semivolatile Organic Compounds (GC/MS)

Analysis Method:	8270C	Analysis Batch:	480-59155	Instrument ID:	HP5973V
Prep Method:	3550B	Prep Batch:	480-58845	Lab File ID:	V8868.D
Dilution:	10			Initial Weight/Volume:	+30.55 g
Analysis Date:	04/11/2012 2353			Final Weight/Volume:	1 mL
Prep Date:	04/10/2012 0739			Injection Volume:	1 uL

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
Dimethyl phthalate		ND		46	1800
Di-n-butyl phthalate		ND		610	1800
Di-n-octyl phthalate		ND		41	1800
Fluoranthene		2000		26	1800
Fluorene		ND		41	1800
Hexachlorobenzene		ND		88	1800
Hexachlorobutadiene		ND		90	1800
Hexachlorocyclopentadiene		ND		530	1800
Hexachloroethane		ND		140	1800
Indeno(1,2,3-cd)pyrene		1300	J	49	1800
Isophorone		ND		88	1800
Naphthalene		ND		29	1800
Nitrobenzene		ND		78	1800
N-Nitrosodi-n-propylamine		ND		140	1800
N-Nitrosodiphenylamine		ND		96	1800
Pentachlorophenol		ND		610	3500
Phenanthrene		790	J	37	1800
Phenol		ND		190	1800
Pyrene		2000		11	1800

Surrogate	%Rec	Qualifier	Acceptance Limits
2,4,6-Tribromophenol	78		39 - 146
2-Fluorobiphenyl	81		37 - 120
2-Fluorophenol	71		18 - 120
Nitrobenzene-d5	70		34 - 132
Phenol-d5	71		11 - 120
p-Terphenyl-d14	98		65 - 153

Client: CHA Inc

Job Number: 480-18292-1

Client Sample ID: **RB-11 (0-6")**

Lab Sample ID: 480-18292-3
Client Matrix: Solid
% Moisture: 6.1

Date Sampled: 04/05/2012 1700
Date Received: 04/07/2012 0900

8270C Semivolatile Organic Compounds (GC/MS)

Analysis Method:	8270C	Analysis Batch:	480-59155	Instrument ID:	HP5973V
Prep Method:	3550B	Prep Batch:	480-58845	Lab File ID:	V8868.D
Dilution:	10			Initial Weight/Volume:	+30.55 g
Analysis Date:	04/11/2012 2353			Final Weight/Volume:	1 mL
Prep Date:	04/10/2012 0739			Injection Volume:	1 uL

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

Cas Number	Analyte	RT	Est. Result (ug/Kg)	Qualifier
207-8-9	Benzo[k]fluoranthene	15.38	1600	T J N

Client: CHA Inc

Job Number: 480-18292-1

Client Sample ID: **RB-12 (0-6")**

Lab Sample ID: 480-18292-4
Client Matrix: Solid
% Moisture: 4.3
Date Sampled: 04/05/2012 1710
Date Received: 04/07/2012 0900

8270C Semivolatile Organic Compounds (GC/MS)

Analysis Method:	8270C	Analysis Batch:	480-59155	Instrument ID:	HP5973V
Prep Method:	3550B	Prep Batch:	480-58845	Lab File ID:	V8869.D
Dilution:	20			Initial Weight/Volume:	+30.60 g
Analysis Date:	04/12/2012 0017			Final Weight/Volume:	1 mL
Prep Date:	04/10/2012 0739			Injection Volume:	1 uL

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
2,4,5-Trichlorophenol		ND		750	3500
2,4,6-Trichlorophenol		ND		230	3500
2,4-Dichlorophenol		ND		180	3500
2,4-Dimethylphenol		ND		930	3500
2,4-Dinitrophenol		ND		1200	6800
2,4-Dinitrotoluene		ND		540	3500
2,6-Dinitrotoluene		ND		850	3500
2-Chloronaphthalene		ND		230	3500
2-Chlorophenol		ND		180	3500
2-Methylnaphthalene		ND		42	3500
2-Methylphenol		ND		110	3500
2-Nitroaniline		ND		1100	6800
2-Nitrophenol		ND		160	3500
3,3'-Dichlorobenzidine		ND		3000	3500
3-Nitroaniline		ND		800	6800
4,6-Dinitro-2-methylphenol		ND		1200	6800
4-Bromophenyl phenyl ether		ND		1100	3500
4-Chloro-3-methylphenol		ND		140	3500
4-Chloroaniline		ND		1000	3500
4-Chlorophenyl phenyl ether		ND		74	3500
4-Methylphenol		ND		190	6800
4-Nitroaniline		ND		390	6800
4-Nitrophenol		ND		840	6800
Acenaphthene		95	J	41	3500
Acenaphthylene		1400	J	28	3500
Acetophenone		ND		180	3500
Anthracene		590	J	89	3500
Atrazine		ND		150	3500
Benzaldehyde		ND		380	3500
Benzo(a)anthracene		4900		60	3500
Benzo(a)pyrene		8100		83	3500
Benzo(b)fluoranthene		14000		67	3500
Benzo(g,h,i)perylene		6300		42	3500
Benzo(k)fluoranthene		4200		38	3500
Biphenyl		ND		220	3500
bis (2-chloroisopropyl) ether		ND		360	3500
Bis(2-chloroethoxy)methane		ND		190	3500
Bis(2-chloroethyl)ether		ND		300	3500
Bis(2-ethylhexyl) phthalate		ND		1100	3500
Butyl benzyl phthalate		ND		930	3500
Caprolactam		ND		1500	3500
Carbazole		140	J	40	3500
Chrysene		6000		35	3500
Dibenz(a,h)anthracene		3500		41	3500
Dibenzofuran		ND		36	3500
Diethyl phthalate		ND		100	3500

Client: CHA Inc

Job Number: 480-18292-1

Client Sample ID: **RB-12 (0-6")**

Lab Sample ID: 480-18292-4
Client Matrix: Solid
% Moisture: 4.3
Date Sampled: 04/05/2012 1710
Date Received: 04/07/2012 0900

8270C Semivolatile Organic Compounds (GC/MS)

Analysis Method:	8270C	Analysis Batch:	480-59155	Instrument ID:	HP5973V
Prep Method:	3550B	Prep Batch:	480-58845	Lab File ID:	V8869.D
Dilution:	20			Initial Weight/Volume:	+30.60 g
Analysis Date:	04/12/2012 0017			Final Weight/Volume:	1 mL
Prep Date:	04/10/2012 0739			Injection Volume:	1 uL

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
Dimethyl phthalate		ND		90	3500
Di-n-butyl phthalate		ND		1200	3500
Di-n-octyl phthalate		ND		81	3500
Fluoranthene		5000		50	3500
Fluorene		ND		80	3500
Hexachlorobenzene		ND		170	3500
Hexachlorobutadiene		ND		180	3500
Hexachlorocyclopentadiene		ND		1000	3500
Hexachloroethane		ND		270	3500
Indeno(1,2,3-cd)pyrene		5700		96	3500
Isophorone		ND		170	3500
Naphthalene		ND		58	3500
Nitrobenzene		ND		150	3500
N-Nitrosodi-n-propylamine		ND		270	3500
N-Nitrosodiphenylamine		ND		190	3500
Pentachlorophenol		ND		1200	6800
Phenanthrene		1200	J	73	3500
Phenol		ND		360	3500
Pyrene		5800		22	3500

Surrogate	%Rec	Qualifier	Acceptance Limits
2,4,6-Tribromophenol	69		39 - 146
2-Fluorobiphenyl	86		37 - 120
2-Fluorophenol	63		18 - 120
Nitrobenzene-d5	75		34 - 132
Phenol-d5	65		11 - 120
p-Terphenyl-d14	100		65 - 153

Client: CHA Inc

Job Number: 480-18292-1

Client Sample ID: **RB-12 (0-6")**

Lab Sample ID: 480-18292-4
Client Matrix: Solid
% Moisture: 4.3

Date Sampled: 04/05/2012 1710
Date Received: 04/07/2012 0900

8270C Semivolatile Organic Compounds (GC/MS)

Analysis Method:	8270C	Analysis Batch:	480-59155	Instrument ID:	HP5973V
Prep Method:	3550B	Prep Batch:	480-58845	Lab File ID:	V8869.D
Dilution:	20			Initial Weight/Volume:	+30.60 g
Analysis Date:	04/12/2012 0017			Final Weight/Volume:	1 mL
Prep Date:	04/10/2012 0739			Injection Volume:	1 uL

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

Cas Number	Analyte	RT	Est. Result (ug/Kg)	Qualifier
198-55-0	Perylene	15.38	7200	T J N

Client: CHA Inc

Job Number: 480-18292-1

Client Sample ID: **RB-01 (0-6")**

Lab Sample ID: 480-18292-5
Client Matrix: Solid

% Moisture: 10.7

Date Sampled: 04/05/2012 1545
Date Received: 04/07/2012 0900

8270C Semivolatile Organic Compounds (GC/MS)

Analysis Method:	8270C	Analysis Batch:	480-59155	Instrument ID:	HP5973V
Prep Method:	3550B	Prep Batch:	480-58845	Lab File ID:	V8870.D
Dilution:	20			Initial Weight/Volume:	+30.50 g
Analysis Date:	04/12/2012 0042			Final Weight/Volume:	1 mL
Prep Date:	04/10/2012 0739			Injection Volume:	1 uL

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
2,4,5-Trichlorophenol		ND		810	3700
2,4,6-Trichlorophenol		ND		250	3700
2,4-Dichlorophenol		ND		190	3700
2,4-Dimethylphenol		ND		1000	3700
2,4-Dinitrophenol		ND		1300	7300
2,4-Dinitrotoluene		ND		580	3700
2,6-Dinitrotoluene		ND		910	3700
2-Chloronaphthalene		ND		250	3700
2-Chlorophenol		ND		190	3700
2-Methylnaphthalene		200	J	45	3700
2-Methylphenol		ND		110	3700
2-Nitroaniline		ND		1200	7300
2-Nitrophenol		ND		170	3700
3,3'-Dichlorobenzidine		ND		3300	3700
3-Nitroaniline		ND		860	7300
4,6-Dinitro-2-methylphenol		ND		1300	7300
4-Bromophenyl phenyl ether		ND		1200	3700
4-Chloro-3-methylphenol		ND		150	3700
4-Chloroaniline		ND		1100	3700
4-Chlorophenyl phenyl ether		ND		79	3700
4-Methylphenol		ND		210	7300
4-Nitroaniline		ND		420	7300
4-Nitrophenol		ND		900	7300
Acenaphthene		ND		44	3700
Acenaphthylene		ND		30	3700
Acetophenone		ND		190	3700
Anthracene		ND		95	3700
Atrazine		ND		170	3700
Benzaldehyde		ND		410	3700
Benzo(a)anthracene		1400	J	64	3700
Benzo(a)pyrene		1800	J	90	3700
Benzo(b)fluoranthene		2700	J	72	3700
Benzo(g,h,i)perylene		1300	J	45	3700
Benzo(k)fluoranthene		1100	J	41	3700
Biphenyl		ND		230	3700
bis (2-chloroisopropyl) ether		ND		390	3700
Bis(2-chloroethoxy)methane		ND		200	3700
Bis(2-chloroethyl)ether		ND		320	3700
Bis(2-ethylhexyl) phthalate		2700	J	1200	3700
Butyl benzyl phthalate		ND		1000	3700
Caprolactam		ND		1600	3700
Carbazole		ND		43	3700
Chrysene		1600	J	37	3700
Dibenz(a,h)anthracene		2600	J	44	3700
Dibenzofuran		ND		39	3700
Diethyl phthalate		ND		110	3700

Client: CHA Inc

Job Number: 480-18292-1

Client Sample ID: **RB-01 (0-6")**

Lab Sample ID: 480-18292-5
Client Matrix: Solid
% Moisture: 10.7
Date Sampled: 04/05/2012 1545
Date Received: 04/07/2012 0900

8270C Semivolatile Organic Compounds (GC/MS)

Analysis Method:	8270C	Analysis Batch:	480-59155	Instrument ID:	HP5973V
Prep Method:	3550B	Prep Batch:	480-58845	Lab File ID:	V8870.D
Dilution:	20			Initial Weight/Volume:	+30.50 g
Analysis Date:	04/12/2012 0042			Final Weight/Volume:	1 mL
Prep Date:	04/10/2012 0739			Injection Volume:	1 uL

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
Dimethyl phthalate		ND		97	3700
Di-n-butyl phthalate		ND		1300	3700
Di-n-octyl phthalate		ND		87	3700
Fluoranthene		1600	J	54	3700
Fluorene		ND		86	3700
Hexachlorobenzene		ND		180	3700
Hexachlorobutadiene		ND		190	3700
Hexachlorocyclopentadiene		ND		1100	3700
Hexachloroethane		ND		290	3700
Indeno(1,2,3-cd)pyrene		1100	J	100	3700
Isophorone		ND		190	3700
Naphthalene		ND		62	3700
Nitrobenzene		ND		160	3700
N-Nitrosodi-n-propylamine		ND		290	3700
N-Nitrosodiphenylamine		ND		200	3700
Pentachlorophenol		ND		1300	7300
Phenanthrene		760	J	78	3700
Phenol		ND		390	3700
Pyrene		1500	J	24	3700

Surrogate	%Rec	Qualifier	Acceptance Limits
2,4,6-Tribromophenol	37	X	39 - 146
2-Fluorobiphenyl	65		37 - 120
2-Fluorophenol	52		18 - 120
Nitrobenzene-d5	55		34 - 132
Phenol-d5	53		11 - 120
p-Terphenyl-d14	82		65 - 153

Client: CHA Inc

Job Number: 480-18292-1

Client Sample ID: **RB-01 (0-6")**

Lab Sample ID: 480-18292-5
Client Matrix: Solid
% Moisture: 10.7

Date Sampled: 04/05/2012 1545
Date Received: 04/07/2012 0900

8270C Semivolatile Organic Compounds (GC/MS)

Analysis Method:	8270C	Analysis Batch:	480-59155	Instrument ID:	HP5973V
Prep Method:	3550B	Prep Batch:	480-58845	Lab File ID:	V8870.D
Dilution:	20			Initial Weight/Volume:	+30.50 g
Analysis Date:	04/12/2012 0042			Final Weight/Volume:	1 mL
Prep Date:	04/10/2012 0739			Injection Volume:	1 uL

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: 480-18292-1

Client Sample ID: **RB-01 (6-12")**

Lab Sample ID: 480-18292-6
Client Matrix: Solid
% Moisture: 16.5

Date Sampled: 04/05/2012 1600
Date Received: 04/07/2012 0900

8270C Semivolatile Organic Compounds (GC/MS)

Analysis Method:	8270C	Analysis Batch:	480-59155	Instrument ID:	HP5973V
Prep Method:	3550B	Prep Batch:	480-58845	Lab File ID:	V8871.D
Dilution:	20			Initial Weight/Volume:	+30.89 g
Analysis Date:	04/12/2012 0106			Final Weight/Volume:	1 mL
Prep Date:	04/10/2012 0739			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	7700
2,4-Dinitrotoluene		ND		610	4000
2,6-Dinitrotoluene		ND		960	4000
2-Chloronaphthalene		ND		260	4000
2-Chlorophenol		ND		200	4000
2-Methylnaphthalene		290	J	48	4000
2-Methylphenol		ND		120	4000
2-Nitroaniline		ND		1300	7700
2-Nitrophenol		ND		180	4000
3,3'-Dichlorobenzidine		ND		3400	4000
3-Nitroaniline		ND		900	7700
4,6-Dinitro-2-methylphenol		ND		1400	7700
4-Bromophenyl phenyl ether		ND		1200	4000
4-Chloro-3-methylphenol		ND		160	4000
4-Chloroaniline		ND		1200	4000
4-Chlorophenyl phenyl ether		ND		84	4000
4-Methylphenol		ND		220	7700
4-Nitroaniline		ND		440	7700
4-Nitrophenol		ND		950	7700
Acenaphthene		ND		46	4000
Acenaphthylene		ND		32	4000
Acetophenone		ND		200	4000
Anthracene		ND		100	4000
Atrazine		ND		170	4000
Benzaldehyde		ND		430	4000
Benzo(a)anthracene		1100	J	68	4000
Benzo(a)pyrene		1500	J	95	4000
Benzo(b)fluoranthene		2200	J	76	4000
Benzo(g,h,i)perylene		940	J	47	4000
Benzo(k)fluoranthene		630	J	43	4000
Biphenyl		ND		240	4000
bis (2-chloroisopropyl) ether		ND		410	4000
Bis(2-chloroethoxy)methane		ND		210	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		ND		45	4000
Chrysene		1300	J	39	4000
Dibenz(a,h)anthracene		2500	J	46	4000
Dibenzofuran		ND		41	4000
Diethyl phthalate		ND		120	4000

Client: CHA Inc

Job Number: 480-18292-1

Client Sample ID: **RB-01 (6-12")**

Lab Sample ID: 480-18292-6
Client Matrix: Solid
% Moisture: 16.5

Date Sampled: 04/05/2012 1600
Date Received: 04/07/2012 0900

8270C Semivolatile Organic Compounds (GC/MS)

Analysis Method:	8270C	Analysis Batch:	480-59155	Instrument ID:	HP5973V
Prep Method:	3550B	Prep Batch:	480-58845	Lab File ID:	V8871.D
Dilution:	20			Initial Weight/Volume:	+30.89 g
Analysis Date:	04/12/2012 0106			Final Weight/Volume:	1 mL
Prep Date:	04/10/2012 0739			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		92	4000
Fluoranthene		990	J	57	4000
Fluorene		ND		90	4000
Hexachlorobenzene		ND		200	4000
Hexachlorobutadiene		ND		200	4000
Hexachlorocyclopentadiene		ND		1200	4000
Hexachloroethane		ND		300	4000
Indeno(1,2,3-cd)pyrene		880	J	110	4000
Isophorone		ND		200	4000
Naphthalene		ND		65	4000
Nitrobenzene		ND		170	4000
N-Nitrosodi-n-propylamine		ND		310	4000
N-Nitrosodiphenylamine		ND		210	4000
Pentachlorophenol		ND		1300	7700
Phenanthrene		710	J	82	4000
Phenol		ND		410	4000
Pyrene		1000	J	25	4000

Surrogate	%Rec	Qualifier	Acceptance Limits
2,4,6-Tribromophenol	43		39 - 146
2-Fluorobiphenyl	79		37 - 120
2-Fluorophenol	66		18 - 120
Nitrobenzene-d5	67		34 - 132
Phenol-d5	61		11 - 120
p-Terphenyl-d14	95		65 - 153

Client: CHA Inc

Job Number: 480-18292-1

Client Sample ID: **RB-01 (6-12")**

Lab Sample ID: 480-18292-6
Client Matrix: Solid
% Moisture: 16.5

Date Sampled: 04/05/2012 1600
Date Received: 04/07/2012 0900

8270C Semivolatile Organic Compounds (GC/MS)

Analysis Method:	8270C	Analysis Batch:	480-59155	Instrument ID:	HP5973V
Prep Method:	3550B	Prep Batch:	480-58845	Lab File ID:	V8871.D
Dilution:	20			Initial Weight/Volume:	+30.89 g
Analysis Date:	04/12/2012 0106			Final Weight/Volume:	1 mL
Prep Date:	04/10/2012 0739			Injection Volume:	1 uL

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: 480-18292-1

Client Sample ID: **RB-01 (12-24")**

Lab Sample ID: 480-18292-7
Client Matrix: Solid
% Moisture: 17.5

Date Sampled: 04/05/2012 1610
Date Received: 04/07/2012 0900

8270C Semivolatile Organic Compounds (GC/MS)

Analysis Method:	8270C	Analysis Batch:	480-59155	Instrument ID:	HP5973V
Prep Method:	3550B	Prep Batch:	480-58845	Lab File ID:	V8872.D
Dilution:	20			Initial Weight/Volume:	+30.61 g
Analysis Date:	04/12/2012 0130			Final Weight/Volume:	1 mL
Prep Date:	04/10/2012 0739			Injection Volume:	1 uL

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
2,4,5-Trichlorophenol		ND		880	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		620	4000
2,6-Dinitrotoluene		ND		980	4000
2-Chloronaphthalene		ND		270	4000
2-Chlorophenol		ND		200	4000
2-Methylnaphthalene		310	J	49	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		920	7800
4,6-Dinitro-2-methylphenol		ND		1400	7800
4-Bromophenyl phenyl ether		ND		1300	4000
4-Chloro-3-methylphenol		ND		170	4000
4-Chloroaniline		ND		1200	4000
4-Chlorophenyl phenyl ether		ND		86	4000
4-Methylphenol		ND		220	7800
4-Nitroaniline		ND		450	7800
4-Nitrophenol		ND		970	7800
Acenaphthene		490	J	47	4000
Acenaphthylene		ND		33	4000
Acetophenone		ND		210	4000
Anthracene		820	J	100	4000
Atrazine		ND		180	4000
Benzaldehyde		ND		440	4000
Benzo(a)anthracene		3800	J	69	4000
Benzo(a)pyrene		4900		97	4000
Benzo(b)fluoranthene		6100		78	4000
Benzo(g,h,i)perylene		2800	J	48	4000
Benzo(k)fluoranthene		3000	J	44	4000
Biphenyl		ND		250	4000
bis (2-chloroisopropyl) ether		ND		420	4000
Bis(2-chloroethoxy)methane		ND		220	4000
Bis(2-chloroethyl)ether		ND		350	4000
Bis(2-ethylhexyl) phthalate		ND		1300	4000
Butyl benzyl phthalate		ND		1100	4000
Caprolactam		ND		1700	4000
Carbazole		ND		46	4000
Chrysene		4200		40	4000
Dibenz(a,h)anthracene		3100	J	47	4000
Dibenzofuran		ND		42	4000
Diethyl phthalate		ND		120	4000

Client: CHA Inc

Job Number: 480-18292-1

Client Sample ID: **RB-01 (12-24")**

Lab Sample ID: 480-18292-7
Client Matrix: Solid
% Moisture: 17.5
Date Sampled: 04/05/2012 1610
Date Received: 04/07/2012 0900

8270C Semivolatile Organic Compounds (GC/MS)

Analysis Method:	8270C	Analysis Batch:	480-59155	Instrument ID:	HP5973V
Prep Method:	3550B	Prep Batch:	480-58845	Lab File ID:	V8872.D
Dilution:	20			Initial Weight/Volume:	+30.61 g
Analysis Date:	04/12/2012 0130			Final Weight/Volume:	1 mL
Prep Date:	04/10/2012 0739			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		94	4000
Fluoranthene		5900		58	4000
Fluorene		350	J	92	4000
Hexachlorobenzene		ND		200	4000
Hexachlorobutadiene		ND		210	4000
Hexachlorocyclopentadiene		ND		1200	4000
Hexachloroethane		ND		310	4000
Indeno(1,2,3-cd)pyrene		2500	J	110	4000
Isophorone		ND		200	4000
Naphthalene		370	J	67	4000
Nitrobenzene		ND		180	4000
N-Nitrosodi-n-propylamine		ND		320	4000
N-Nitrosodiphenylamine		ND		220	4000
Pentachlorophenol		ND		1400	7800
Phenanthrene		4100		84	4000
Phenol		ND		420	4000
Pyrene		4800		26	4000

Surrogate	%Rec	Qualifier	Acceptance Limits
2,4,6-Tribromophenol	66		39 - 146
2-Fluorobiphenyl	89		37 - 120
2-Fluorophenol	68		18 - 120
Nitrobenzene-d5	78		34 - 132
Phenol-d5	69		11 - 120
p-Terphenyl-d14	97		65 - 153

Client: CHA Inc

Job Number: 480-18292-1

Client Sample ID: **RB-01 (12-24")**

Lab Sample ID: 480-18292-7
Client Matrix: Solid
% Moisture: 17.5

Date Sampled: 04/05/2012 1610
Date Received: 04/07/2012 0900

8270C Semivolatile Organic Compounds (GC/MS)

Analysis Method:	8270C	Analysis Batch:	480-59155	Instrument ID:	HP5973V
Prep Method:	3550B	Prep Batch:	480-58845	Lab File ID:	V8872.D
Dilution:	20			Initial Weight/Volume:	+30.61 g
Analysis Date:	04/12/2012 0130			Final Weight/Volume:	1 mL
Prep Date:	04/10/2012 0739			Injection Volume:	1 uL

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

Cas Number	Analyte	RT	Est. Result (ug/Kg)	Qualifier
	Unknown	15.38	3600	T J

Client: CHA Inc

Job Number: 480-18292-1

Client Sample ID: **RB-02 (0-6")**

Lab Sample ID: 480-18292-8
Client Matrix: Solid

% Moisture: 6.8

Date Sampled: 04/05/2012 1620
Date Received: 04/07/2012 0900

8270C Semivolatile Organic Compounds (GC/MS)

Analysis Method:	8270C	Analysis Batch:	480-59155	Instrument ID:	HP5973V
Prep Method:	3550B	Prep Batch:	480-58845	Lab File ID:	V8873.D
Dilution:	20			Initial Weight/Volume:	+30.62 g
Analysis Date:	04/12/2012 0154			Final Weight/Volume:	1 mL
Prep Date:	04/10/2012 0739			Injection Volume:	1 uL

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
2,4,5-Trichlorophenol		ND		770	3600
2,4,6-Trichlorophenol		ND		230	3600
2,4-Dichlorophenol		ND		190	3600
2,4-Dimethylphenol		ND		960	3600
2,4-Dinitrophenol		ND		1200	6900
2,4-Dinitrotoluene		ND		550	3600
2,6-Dinitrotoluene		ND		870	3600
2-Chloronaphthalene		ND		240	3600
2-Chlorophenol		ND		180	3600
2-Methylnaphthalene		260	J	43	3600
2-Methylphenol		ND		110	3600
2-Nitroaniline		ND		1100	6900
2-Nitrophenol		ND		160	3600
3,3'-Dichlorobenzidine		ND		3100	3600
3-Nitroaniline		ND		820	6900
4,6-Dinitro-2-methylphenol		ND		1200	6900
4-Bromophenyl phenyl ether		ND		1100	3600
4-Chloro-3-methylphenol		ND		150	3600
4-Chloroaniline		ND		1000	3600
4-Chlorophenyl phenyl ether		ND		76	3600
4-Methylphenol		ND		200	6900
4-Nitroaniline		ND		400	6900
4-Nitrophenol		ND		860	6900
Acenaphthene		ND		42	3600
Acenaphthylene		ND		29	3600
Acetophenone		ND		180	3600
Anthracene		ND		91	3600
Atrazine		ND		160	3600
Benzaldehyde		ND		390	3600
Benzo(a)anthracene		2400	J	61	3600
Benzo(a)pyrene		3500	J	86	3600
Benzo(b)fluoranthene		6900		69	3600
Benzo(g,h,i)perylene		2400	J	43	3600
Benzo(k)fluoranthene		2200	J	39	3600
Biphenyl		ND		220	3600
bis (2-chloroisopropyl) ether		ND		370	3600
Bis(2-chloroethoxy)methane		ND		190	3600
Bis(2-chloroethyl)ether		ND		310	3600
Bis(2-ethylhexyl) phthalate		ND		1100	3600
Butyl benzyl phthalate		ND		950	3600
Caprolactam		ND		1500	3600
Carbazole		ND		41	3600
Chrysene		3500	J	35	3600
Dibenz(a,h)anthracene		2700	J	42	3600
Dibenzofuran		ND		37	3600
Diethyl phthalate		ND		110	3600

Client: CHA Inc

Job Number: 480-18292-1

Client Sample ID: **RB-02 (0-6")**

Lab Sample ID: 480-18292-8
Client Matrix: Solid
% Moisture: 6.8
Date Sampled: 04/05/2012 1620
Date Received: 04/07/2012 0900

8270C Semivolatile Organic Compounds (GC/MS)

Analysis Method:	8270C	Analysis Batch:	480-59155	Instrument ID:	HP5973V
Prep Method:	3550B	Prep Batch:	480-58845	Lab File ID:	V8873.D
Dilution:	20			Initial Weight/Volume:	+30.62 g
Analysis Date:	04/12/2012 0154			Final Weight/Volume:	1 mL
Prep Date:	04/10/2012 0739			Injection Volume:	1 uL

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
Dimethyl phthalate		ND		93	3600
Di-n-butyl phthalate		ND		1200	3600
Di-n-octyl phthalate		ND		83	3600
Fluoranthene		2100	J	51	3600
Fluorene		ND		82	3600
Hexachlorobenzene		ND		180	3600
Hexachlorobutadiene		ND		180	3600
Hexachlorocyclopentadiene		ND		1100	3600
Hexachloroethane		ND		270	3600
Indeno(1,2,3-cd)pyrene		2100	J	98	3600
Isophorone		ND		180	3600
Naphthalene		170	J	59	3600
Nitrobenzene		ND		160	3600
N-Nitrosodi-n-propylamine		ND		280	3600
N-Nitrosodiphenylamine		ND		190	3600
Pentachlorophenol		ND		1200	6900
Phenanthrene		730	J	74	3600
Phenol		ND		370	3600
Pyrene		1900	J	23	3600

Surrogate	%Rec	Qualifier	Acceptance Limits
2,4,6-Tribromophenol	56		39 - 146
2-Fluorobiphenyl	83		37 - 120
2-Fluorophenol	66		18 - 120
Nitrobenzene-d5	75		34 - 132
Phenol-d5	64		11 - 120
p-Terphenyl-d14	90		65 - 153

Client: CHA Inc

Job Number: 480-18292-1

Client Sample ID: **RB-02 (0-6")**

Lab Sample ID: 480-18292-8
Client Matrix: Solid
% Moisture: 6.8

Date Sampled: 04/05/2012 1620
Date Received: 04/07/2012 0900

8270C Semivolatile Organic Compounds (GC/MS)

Analysis Method:	8270C	Analysis Batch:	480-59155	Instrument ID:	HP5973V
Prep Method:	3550B	Prep Batch:	480-58845	Lab File ID:	V8873.D
Dilution:	20			Initial Weight/Volume:	+30.62 g
Analysis Date:	04/12/2012 0154			Final Weight/Volume:	1 mL
Prep Date:	04/10/2012 0739			Injection Volume:	1 uL

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

Cas Number	Analyte	RT	Est. Result (ug/Kg)	Qualifier
192-97-2	Benzo[e]pyrene	15.38	4000	T J N

Client: CHA Inc

Job Number: 480-18292-1

Client Sample ID: **RB-02 (6-12")**

Lab Sample ID: 480-18292-9
Client Matrix: Solid
% Moisture: 7.6
Date Sampled: 04/05/2012 1640
Date Received: 04/07/2012 0900

8270C Semivolatile Organic Compounds (GC/MS)

Analysis Method:	8270C	Analysis Batch:	480-59155	Instrument ID:	HP5973V
Prep Method:	3550B	Prep Batch:	480-58845	Lab File ID:	V8874.D
Dilution:	20			Initial Weight/Volume:	+30.15 g
Analysis Date:	04/12/2012 0218			Final Weight/Volume:	1 mL
Prep Date:	04/10/2012 0739			Injection Volume:	1 uL

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
2,4,5-Trichlorophenol		ND		790	3700
2,4,6-Trichlorophenol		ND		240	3700
2,4-Dichlorophenol		ND		190	3700
2,4-Dimethylphenol		ND		980	3700
2,4-Dinitrophenol		ND		1300	7100
2,4-Dinitrotoluene		ND		560	3700
2,6-Dinitrotoluene		ND		890	3700
2-Chloronaphthalene		ND		240	3700
2-Chlorophenol		ND		190	3700
2-Methylnaphthalene		ND		44	3700
2-Methylphenol		ND		110	3700
2-Nitroaniline		ND		1200	7100
2-Nitrophenol		ND		170	3700
3,3'-Dichlorobenzidine		ND		3200	3700
3-Nitroaniline		ND		840	7100
4,6-Dinitro-2-methylphenol		ND		1300	7100
4-Bromophenyl phenyl ether		ND		1200	3700
4-Chloro-3-methylphenol		ND		150	3700
4-Chloroaniline		ND		1100	3700
4-Chlorophenyl phenyl ether		ND		78	3700
4-Methylphenol		ND		200	7100
4-Nitroaniline		ND		410	7100
4-Nitrophenol		ND		880	7100
Acenaphthene		ND		43	3700
Acenaphthylene		ND		30	3700
Acetophenone		ND		190	3700
Anthracene		ND		93	3700
Atrazine		ND		160	3700
Benzaldehyde		ND		400	3700
Benzo(a)anthracene		3800		63	3700
Benzo(a)pyrene		5600		88	3700
Benzo(b)fluoranthene		9900		71	3700
Benzo(g,h,i)perylene		4100		44	3700
Benzo(k)fluoranthene		4300		40	3700
Biphenyl		ND		230	3700
bis (2-chloroisopropyl) ether		ND		380	3700
Bis(2-chloroethoxy)methane		ND		200	3700
Bis(2-chloroethyl)ether		ND		310	3700
Bis(2-ethylhexyl) phthalate		ND		1200	3700
Butyl benzyl phthalate		ND		980	3700
Caprolactam		ND		1600	3700
Carbazole		ND		42	3700
Chrysene		5700		36	3700
Dibenz(a,h)anthracene		3400	J	43	3700
Dibenzofuran		ND		38	3700
Diethyl phthalate		ND		110	3700

Client: CHA Inc

Job Number: 480-18292-1

Client Sample ID: **RB-02 (6-12")**

Lab Sample ID: 480-18292-9
Client Matrix: Solid
% Moisture: 7.6
Date Sampled: 04/05/2012 1640
Date Received: 04/07/2012 0900

8270C Semivolatile Organic Compounds (GC/MS)

Analysis Method:	8270C	Analysis Batch:	480-59155	Instrument ID:	HP5973V
Prep Method:	3550B	Prep Batch:	480-58845	Lab File ID:	V8874.D
Dilution:	20			Initial Weight/Volume:	+30.15 g
Analysis Date:	04/12/2012 0218			Final Weight/Volume:	1 mL
Prep Date:	04/10/2012 0739			Injection Volume:	1 uL

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
Dimethyl phthalate		ND		95	3700
Di-n-butyl phthalate		ND		1300	3700
Di-n-octyl phthalate		ND		85	3700
Fluoranthene		2700	J	53	3700
Fluorene		ND		84	3700
Hexachlorobenzene		ND		180	3700
Hexachlorobutadiene		ND		190	3700
Hexachlorocyclopentadiene		ND		1100	3700
Hexachloroethane		ND		280	3700
Indeno(1,2,3-cd)pyrene		3600	J	100	3700
Isophorone		ND		180	3700
Naphthalene		ND		61	3700
Nitrobenzene		ND		160	3700
N-Nitrosodi-n-propylamine		ND		290	3700
N-Nitrosodiphenylamine		ND		200	3700
Pentachlorophenol		ND		1200	7100
Phenanthrene		750	J	76	3700
Phenol		ND		380	3700
Pyrene		2500	J	24	3700

Surrogate	%Rec	Qualifier	Acceptance Limits
2,4,6-Tribromophenol	57		39 - 146
2-Fluorobiphenyl	80		37 - 120
2-Fluorophenol	72		18 - 120
Nitrobenzene-d5	71		34 - 132
Phenol-d5	64		11 - 120
p-Terphenyl-d14	89		65 - 153

Client: CHA Inc

Job Number: 480-18292-1

Client Sample ID: **RB-02 (6-12")**

Lab Sample ID: 480-18292-9
Client Matrix: Solid
% Moisture: 7.6

Date Sampled: 04/05/2012 1640
Date Received: 04/07/2012 0900

8270C Semivolatile Organic Compounds (GC/MS)

Analysis Method:	8270C	Analysis Batch:	480-59155	Instrument ID:	HP5973V
Prep Method:	3550B	Prep Batch:	480-58845	Lab File ID:	V8874.D
Dilution:	20			Initial Weight/Volume:	+30.15 g
Analysis Date:	04/12/2012 0218			Final Weight/Volume:	1 mL
Prep Date:	04/10/2012 0739			Injection Volume:	1 uL

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

Cas Number	Analyte	RT	Est. Result (ug/Kg)	Qualifier
207-8-9	Benzo[k]fluoranthene	15.38	5600	T J N

Client: CHA Inc

Job Number: 480-18292-1

Client Sample ID: **RB-02 (12-24")**

Lab Sample ID: 480-18292-10
Client Matrix: Solid
% Moisture: 11.3
Date Sampled: 04/05/2012 1650
Date Received: 04/07/2012 0900

8270C Semivolatile Organic Compounds (GC/MS)

Analysis Method:	8270C	Analysis Batch:	480-59155	Instrument ID:	HP5973V
Prep Method:	3550B	Prep Batch:	480-58845	Lab File ID:	V8875.D
Dilution:	20			Initial Weight/Volume:	+30.34 g
Analysis Date:	04/12/2012 0243			Final Weight/Volume:	1 mL
Prep Date:	04/10/2012 0739			Injection Volume:	1 uL

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
2,4,5-Trichlorophenol		ND		820	3800
2,4,6-Trichlorophenol		ND		250	3800
2,4-Dichlorophenol		ND		200	3800
2,4-Dimethylphenol		ND		1000	3800
2,4-Dinitrophenol		ND		1300	7400
2,4-Dinitrotoluene		ND		580	3800
2,6-Dinitrotoluene		ND		920	3800
2-Chloronaphthalene		ND		250	3800
2-Chlorophenol		ND		190	3800
2-Methylnaphthalene		ND		46	3800
2-Methylphenol		ND		120	3800
2-Nitroaniline		ND		1200	7400
2-Nitrophenol		ND		170	3800
3,3'-Dichlorobenzidine		ND		3300	3800
3-Nitroaniline		ND		870	7400
4,6-Dinitro-2-methylphenol		ND		1300	7400
4-Bromophenyl phenyl ether		ND		1200	3800
4-Chloro-3-methylphenol		ND		150	3800
4-Chloroaniline		ND		1100	3800
4-Chlorophenyl phenyl ether		ND		80	3800
4-Methylphenol		ND		210	7400
4-Nitroaniline		ND		420	7400
4-Nitrophenol		ND		910	7400
Acenaphthene		ND		44	3800
Acenaphthylene		ND		31	3800
Acetophenone		ND		190	3800
Anthracene		ND		96	3800
Atrazine		ND		170	3800
Benzaldehyde		ND		410	3800
Benzo(a)anthracene		3200	J	65	3800
Benzo(a)pyrene		5100		91	3800
Benzo(b)fluoranthene		10000		73	3800
Benzo(g,h,i)perylene		3300	J	45	3800
Benzo(k)fluoranthene		2900	J	41	3800
Biphenyl		ND		230	3800
bis (2-chloroisopropyl) ether		ND		390	3800
Bis(2-chloroethoxy)methane		ND		200	3800
Bis(2-chloroethyl)ether		ND		320	3800
Bis(2-ethylhexyl) phthalate		ND		1200	3800
Butyl benzyl phthalate		ND		1000	3800
Caprolactam		ND		1600	3800
Carbazole		ND		44	3800
Chrysene		4700		38	3800
Dibenz(a,h)anthracene		3200	J	44	3800
Dibenzofuran		ND		39	3800
Diethyl phthalate		ND		110	3800

Client: CHA Inc

Job Number: 480-18292-1

Client Sample ID: **RB-02 (12-24")**

Lab Sample ID: 480-18292-10
Client Matrix: Solid
% Moisture: 11.3
Date Sampled: 04/05/2012 1650
Date Received: 04/07/2012 0900

8270C Semivolatile Organic Compounds (GC/MS)

Analysis Method:	8270C	Analysis Batch:	480-59155	Instrument ID:	HP5973V
Prep Method:	3550B	Prep Batch:	480-58845	Lab File ID:	V8875.D
Dilution:	20			Initial Weight/Volume:	+30.34 g
Analysis Date:	04/12/2012 0243			Final Weight/Volume:	1 mL
Prep Date:	04/10/2012 0739			Injection Volume:	1 uL

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
Dimethyl phthalate		ND		98	3800
Di-n-butyl phthalate		ND		1300	3800
Di-n-octyl phthalate		ND		88	3800
Fluoranthene		2700	J	55	3800
Fluorene		ND		87	3800
Hexachlorobenzene		ND		190	3800
Hexachlorobutadiene		ND		190	3800
Hexachlorocyclopentadiene		ND		1100	3800
Hexachloroethane		ND		290	3800
Indeno(1,2,3-cd)pyrene		2900	J	100	3800
Isophorone		ND		190	3800
Naphthalene		ND		63	3800
Nitrobenzene		ND		170	3800
N-Nitrosodi-n-propylamine		ND		300	3800
N-Nitrosodiphenylamine		ND		210	3800
Pentachlorophenol		ND		1300	7400
Phenanthrene		850	J	79	3800
Phenol		ND		400	3800
Pyrene		2300	J	24	3800

Surrogate	%Rec	Qualifier	Acceptance Limits
2,4,6-Tribromophenol	67		39 - 146
2-Fluorobiphenyl	85		37 - 120
2-Fluorophenol	68		18 - 120
Nitrobenzene-d5	65		34 - 132
Phenol-d5	62		11 - 120
p-Terphenyl-d14	97		65 - 153

Client: CHA Inc

Job Number: 480-18292-1

Client Sample ID: **RB-02 (12-24")**

Lab Sample ID: 480-18292-10
Client Matrix: Solid
% Moisture: 11.3

Date Sampled: 04/05/2012 1650
Date Received: 04/07/2012 0900

8270C Semivolatile Organic Compounds (GC/MS)

Analysis Method:	8270C	Analysis Batch:	480-59155	Instrument ID:	HP5973V
Prep Method:	3550B	Prep Batch:	480-58845	Lab File ID:	V8875.D
Dilution:	20			Initial Weight/Volume:	+30.34 g
Analysis Date:	04/12/2012 0243			Final Weight/Volume:	1 mL
Prep Date:	04/10/2012 0739			Injection Volume:	1 uL

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

Cas Number	Analyte	RT	Est. Result (ug/Kg)	Qualifier
192-97-2	Benzo[e]pyrene	15.38	5400	T J N

Client: CHA Inc

Job Number: 480-18292-1

Client Sample ID: **DUP-03**

Lab Sample ID: 480-18292-11
Client Matrix: Solid
% Moisture: 18.5
Date Sampled: 04/05/2012 1630
Date Received: 04/07/2012 0900

8270C Semivolatile Organic Compounds (GC/MS)

Analysis Method:	8270C	Analysis Batch:	480-59155	Instrument ID:	HP5973V
Prep Method:	3550B	Prep Batch:	480-58845	Lab File ID:	V8876.D
Dilution:	20			Initial Weight/Volume:	+30.15 g
Analysis Date:	04/12/2012 0307			Final Weight/Volume:	1 mL
Prep Date:	04/10/2012 0739			Injection Volume:	1 uL

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
2,4,5-Trichlorophenol		ND		900	4200
2,4,6-Trichlorophenol		ND		270	4200
2,4-Dichlorophenol		ND		220	4200
2,4-Dimethylphenol		ND		1100	4200
2,4-Dinitrophenol		ND		1400	8100
2,4-Dinitrotoluene		ND		640	4200
2,6-Dinitrotoluene		ND		1000	4200
2-Chloronaphthalene		ND		280	4200
2-Chlorophenol		ND		210	4200
2-Methylnaphthalene		340	J	50	4200
2-Methylphenol		ND		130	4200
2-Nitroaniline		ND		1300	8100
2-Nitrophenol		ND		190	4200
3,3'-Dichlorobenzidine		ND		3600	4200
3-Nitroaniline		ND		950	8100
4,6-Dinitro-2-methylphenol		ND		1400	8100
4-Bromophenyl phenyl ether		ND		1300	4200
4-Chloro-3-methylphenol		ND		170	4200
4-Chloroaniline		ND		1200	4200
4-Chlorophenyl phenyl ether		ND		88	4200
4-Methylphenol		ND		230	8100
4-Nitroaniline		ND		460	8100
4-Nitrophenol		ND		1000	8100
Acenaphthene		ND		48	4200
Acenaphthylene		ND		34	4200
Acetophenone		ND		210	4200
Anthracene		170	J	110	4200
Atrazine		ND		180	4200
Benzaldehyde		ND		450	4200
Benzo(a)anthracene		1700	J	71	4200
Benzo(a)pyrene		2000	J	99	4200
Benzo(b)fluoranthene		3100	J	80	4200
Benzo(g,h,i)perylene		940	J	49	4200
Benzo(k)fluoranthene		1200	J	45	4200
Biphenyl		ND		260	4200
bis (2-chloroisopropyl) ether		ND		430	4200
Bis(2-chloroethoxy)methane		ND		220	4200
Bis(2-chloroethyl)ether		ND		360	4200
Bis(2-ethylhexyl) phthalate		ND		1300	4200
Butyl benzyl phthalate		ND		1100	4200
Caprolactam		ND		1800	4200
Carbazole		ND		48	4200
Chrysene		1700	J	41	4200
Dibenz(a,h)anthracene		2700	J	48	4200
Dibenzofuran		ND		43	4200
Diethyl phthalate		ND		120	4200

Client: CHA Inc

Job Number: 480-18292-1

Client Sample ID: **DUP-03**

Lab Sample ID: 480-18292-11
Client Matrix: Solid
% Moisture: 18.5
Date Sampled: 04/05/2012 1630
Date Received: 04/07/2012 0900

8270C Semivolatile Organic Compounds (GC/MS)

Analysis Method:	8270C	Analysis Batch:	480-59155	Instrument ID:	HP5973V
Prep Method:	3550B	Prep Batch:	480-58845	Lab File ID:	V8876.D
Dilution:	20			Initial Weight/Volume:	+30.15 g
Analysis Date:	04/12/2012 0307			Final Weight/Volume:	1 mL
Prep Date:	04/10/2012 0739			Injection Volume:	1 uL

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
Dimethyl phthalate		ND		110	4200
Di-n-butyl phthalate		ND		1400	4200
Di-n-octyl phthalate		ND		96	4200
Fluoranthene		1600	J	60	4200
Fluorene		ND		95	4200
Hexachlorobenzene		ND		200	4200
Hexachlorobutadiene		ND		210	4200
Hexachlorocyclopentadiene		ND		1200	4200
Hexachloroethane		ND		320	4200
Indeno(1,2,3-cd)pyrene		810	J	110	4200
Isophorone		ND		210	4200
Naphthalene		ND		69	4200
Nitrobenzene		ND		180	4200
N-Nitrosodi-n-propylamine		ND		330	4200
N-Nitrosodiphenylamine		ND		230	4200
Pentachlorophenol		ND		1400	8100
Phenanthrene		1100	J	86	4200
Phenol		ND		430	4200
Pyrene		1400	J	27	4200

Surrogate	%Rec	Qualifier	Acceptance Limits
2,4,6-Tribromophenol	49		39 - 146
2-Fluorobiphenyl	82		37 - 120
2-Fluorophenol	59		18 - 120
Nitrobenzene-d5	74		34 - 132
Phenol-d5	63		11 - 120
p-Terphenyl-d14	90		65 - 153

Client: CHA Inc

Job Number: 480-18292-1

Client Sample ID: **DUP-03**

Lab Sample ID: 480-18292-11
Client Matrix: Solid
% Moisture: 18.5

Date Sampled: 04/05/2012 1630
Date Received: 04/07/2012 0900

8270C Semivolatile Organic Compounds (GC/MS)

Analysis Method:	8270C	Analysis Batch:	480-59155	Instrument ID:	HP5973V
Prep Method:	3550B	Prep Batch:	480-58845	Lab File ID:	V8876.D
Dilution:	20			Initial Weight/Volume:	+30.15 g
Analysis Date:	04/12/2012 0307			Final Weight/Volume:	1 mL
Prep Date:	04/10/2012 0739			Injection Volume:	1 uL

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: 480-18292-1

Client Sample ID: **RB-10 (6-12")**

Lab Sample ID: 480-18292-1
Client Matrix: Solid
% Moisture: 8.1
Date Sampled: 04/05/2012 1520
Date Received: 04/07/2012 0900

8082 Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analysis Method:	8082	Analysis Batch:	480-59004	Instrument ID:	HP5890-12
Prep Method:	3550B	Prep Batch:	480-58864	Initial Weight/Volume:	+2.56 g
Dilution:	1.0			Final Weight/Volume:	10 mL
Analysis Date:	04/11/2012 0807			Injection Volume:	1 uL
Prep Date:	04/10/2012 0838			Result Type:	PRIMARY

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
PCB-1016		ND		42	210
PCB-1221		ND		42	210
PCB-1232		ND		42	210
PCB-1242		ND		46	210
PCB-1248		ND		42	210
PCB-1254		ND		45	210
PCB-1260		ND		99	210

Surrogate	%Rec	Qualifier	Acceptance Limits
DCB Decachlorobiphenyl	132		36 - 182
Tetrachloro-m-xylene	132		24 - 172

Client: CHA Inc

Job Number: 480-18292-1

Client Sample ID: **RB-10 (6-12")**

Lab Sample ID: 480-18292-1
Client Matrix: Solid
% Moisture: 8.1

Date Sampled: 04/05/2012 1520
Date Received: 04/07/2012 0900

8082 Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analysis Method:	8082	Analysis Batch:	480-59004	Instrument ID:	HP5890-12
Prep Method:	3550B	Prep Batch:	480-58864	Initial Weight/Volume:	+2.56 g
Dilution:	1.0			Final Weight/Volume:	10 mL
Analysis Date:	04/11/2012 0807			Injection Volume:	1 uL
Prep Date:	04/10/2012 0838			Result Type:	SECONDARY

Surrogate	%Rec	Qualifier	Acceptance Limits
DCB Decachlorobiphenyl	157		36 - 182
Tetrachloro-m-xylene	144		24 - 172

Client: CHA Inc

Job Number: 480-18292-1

Client Sample ID: **RB-10 (12-24")**

Lab Sample ID: 480-18292-2
Client Matrix: Solid
% Moisture: 7.0

Date Sampled: 04/05/2012 1530
Date Received: 04/07/2012 0900

8082 Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analysis Method:	8082	Analysis Batch:	480-59004	Instrument ID:	HP5890-12
Prep Method:	3550B	Prep Batch:	480-58864	Initial Weight/Volume:	+2.27 g
Dilution:	1.0			Final Weight/Volume:	10 mL
Analysis Date:	04/11/2012 0822			Injection Volume:	1 uL
Prep Date:	04/10/2012 0838			Result Type:	PRIMARY

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
PCB-1016		ND		46	240
PCB-1221		ND		46	240
PCB-1232		ND		46	240
PCB-1242		ND		51	240
PCB-1248		ND		46	240
PCB-1254		ND		50	240
PCB-1260		ND		110	240

Surrogate	%Rec	Qualifier	Acceptance Limits
DCB Decachlorobiphenyl	130		36 - 182
Tetrachloro-m-xylene	130		24 - 172

Client: CHA Inc

Job Number: 480-18292-1

Client Sample ID: **RB-10 (12-24")**

Lab Sample ID: 480-18292-2
Client Matrix: Solid
% Moisture: 7.0

Date Sampled: 04/05/2012 1530
Date Received: 04/07/2012 0900

8082 Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analysis Method:	8082	Analysis Batch:	480-59004	Instrument ID:	HP5890-12
Prep Method:	3550B	Prep Batch:	480-58864	Initial Weight/Volume:	+2.27 g
Dilution:	1.0			Final Weight/Volume:	10 mL
Analysis Date:	04/11/2012 0822			Injection Volume:	1 uL
Prep Date:	04/10/2012 0838			Result Type:	SECONDARY

Surrogate	%Rec	Qualifier	Acceptance Limits
DCB Decachlorobiphenyl	155		36 - 182
Tetrachloro-m-xylene	138		24 - 172

Client: CHA Inc

Job Number: 480-18292-1

Client Sample ID: **RB-11 (0-6")**

Lab Sample ID: 480-18292-3
Client Matrix: Solid
% Moisture: 6.1

Date Sampled: 04/05/2012 1700
Date Received: 04/07/2012 0900

8082 Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analysis Method:	8082	Analysis Batch:	480-59004	Instrument ID:	HP5890-12
Prep Method:	3550B	Prep Batch:	480-58864	Initial Weight/Volume:	+2.52 g
Dilution:	1.0			Final Weight/Volume:	10 mL
Analysis Date:	04/11/2012 0837			Injection Volume:	1 uL
Prep Date:	04/10/2012 0838			Result Type:	PRIMARY

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
PCB-1016		ND		41	210
PCB-1221		ND		41	210
PCB-1232		ND		41	210
PCB-1242		ND		46	210
PCB-1248		ND		41	210
PCB-1254		ND		45	210
PCB-1260		ND		99	210

Surrogate	%Rec	Qualifier	Acceptance Limits
DCB Decachlorobiphenyl	140		36 - 182
Tetrachloro-m-xylene	134		24 - 172

Client: CHA Inc

Job Number: 480-18292-1

Client Sample ID: **RB-11 (0-6")**

Lab Sample ID: 480-18292-3
Client Matrix: Solid
% Moisture: 6.1

Date Sampled: 04/05/2012 1700
Date Received: 04/07/2012 0900

8082 Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analysis Method:	8082	Analysis Batch:	480-59004	Instrument ID:	HP5890-12
Prep Method:	3550B	Prep Batch:	480-58864	Initial Weight/Volume:	+2.52 g
Dilution:	1.0			Final Weight/Volume:	10 mL
Analysis Date:	04/11/2012 0837			Injection Volume:	1 uL
Prep Date:	04/10/2012 0838			Result Type:	SECONDARY

Surrogate	%Rec	Qualifier	Acceptance Limits
DCB Decachlorobiphenyl	156		36 - 182
Tetrachloro-m-xylene	142		24 - 172

Client: CHA Inc

Job Number: 480-18292-1

Client Sample ID: **RB-12 (0-6")**

Lab Sample ID: 480-18292-4
Client Matrix: Solid
% Moisture: 4.3
Date Sampled: 04/05/2012 1710
Date Received: 04/07/2012 0900

8082 Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analysis Method:	8082	Analysis Batch:	480-59004	Instrument ID:	HP5890-12
Prep Method:	3550B	Prep Batch:	480-58864	Initial Weight/Volume:	+2.13 g
Dilution:	1.0			Final Weight/Volume:	10 mL
Analysis Date:	04/11/2012 0851			Injection Volume:	1 uL
Prep Date:	04/10/2012 0838			Result Type:	PRIMARY

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
PCB-1016		ND		48	250
PCB-1221		ND		48	250
PCB-1232		ND		48	250
PCB-1242		ND		53	250
PCB-1248		ND		48	250
PCB-1254		ND		52	250
PCB-1260		ND		110	250

Surrogate	%Rec	Qualifier	Acceptance Limits
DCB Decachlorobiphenyl	166		36 - 182
Tetrachloro-m-xylene	135		24 - 172

Client: CHA Inc

Job Number: 480-18292-1

Client Sample ID: **RB-12 (0-6")**

Lab Sample ID: 480-18292-4
Client Matrix: Solid
% Moisture: 4.3

Date Sampled: 04/05/2012 1710
Date Received: 04/07/2012 0900

8082 Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analysis Method:	8082	Analysis Batch:	480-59004	Instrument ID:	HP5890-12
Prep Method:	3550B	Prep Batch:	480-58864	Initial Weight/Volume:	+2.13 g
Dilution:	1.0			Final Weight/Volume:	10 mL
Analysis Date:	04/11/2012 0851			Injection Volume:	1 uL
Prep Date:	04/10/2012 0838			Result Type:	SECONDARY

Surrogate	%Rec	Qualifier	Acceptance Limits
DCB Decachlorobiphenyl	163		36 - 182
Tetrachloro-m-xylene	142		24 - 172

Client: CHA Inc

Job Number: 480-18292-1

Client Sample ID: **RB-01 (0-6")**

Lab Sample ID: 480-18292-5
Client Matrix: Solid
% Moisture: 10.7

Date Sampled: 04/05/2012 1545
Date Received: 04/07/2012 0900

8082 Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analysis Method:	8082	Analysis Batch:	480-59004	Instrument ID:	HP5890-12
Prep Method:	3550B	Prep Batch:	480-58864	Initial Weight/Volume:	+2.18 g
Dilution:	1.0			Final Weight/Volume:	10 mL
Analysis Date:	04/11/2012 0906			Injection Volume:	1 uL
Prep Date:	04/10/2012 0838			Result Type:	PRIMARY

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
PCB-1016		ND		50	260
PCB-1221		ND		50	260
PCB-1232		ND		50	260
PCB-1242		ND		56	260
PCB-1248		ND		50	260
PCB-1254		ND		54	260
PCB-1260		ND		120	260

Surrogate	%Rec	Qualifier	Acceptance Limits
DCB Decachlorobiphenyl	132		36 - 182
Tetrachloro-m-xylene	133		24 - 172

Client: CHA Inc

Job Number: 480-18292-1

Client Sample ID: **RB-01 (0-6")**

Lab Sample ID: 480-18292-5
Client Matrix: Solid
% Moisture: 10.7

Date Sampled: 04/05/2012 1545
Date Received: 04/07/2012 0900

8082 Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analysis Method:	8082	Analysis Batch:	480-59004	Instrument ID:	HP5890-12
Prep Method:	3550B	Prep Batch:	480-58864	Initial Weight/Volume:	+2.18 g
Dilution:	1.0			Final Weight/Volume:	10 mL
Analysis Date:	04/11/2012 0906			Injection Volume:	1 uL
Prep Date:	04/10/2012 0838			Result Type:	SECONDARY

Surrogate	%Rec	Qualifier	Acceptance Limits
DCB Decachlorobiphenyl	157		36 - 182
Tetrachloro-m-xylene	144		24 - 172

Client: CHA Inc

Job Number: 480-18292-1

Client Sample ID: **RB-01 (6-12")**

Lab Sample ID: 480-18292-6
Client Matrix: Solid
% Moisture: 16.5

Date Sampled: 04/05/2012 1600
Date Received: 04/07/2012 0900

8082 Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analysis Method:	8082	Analysis Batch:	480-59004	Instrument ID:	HP5890-12
Prep Method:	3550B	Prep Batch:	480-58864	Initial Weight/Volume:	+2.20 g
Dilution:	1.0			Final Weight/Volume:	10 mL
Analysis Date:	04/11/2012 0951			Injection Volume:	1 uL
Prep Date:	04/10/2012 0838			Result Type:	PRIMARY

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
PCB-1016		ND		53	270
PCB-1221		ND		53	270
PCB-1232		ND		53	270
PCB-1242		ND		59	270
PCB-1248		ND		53	270
PCB-1254		ND		57	270
PCB-1260		ND		130	270

Surrogate	%Rec	Qualifier	Acceptance Limits
DCB Decachlorobiphenyl	134		36 - 182
Tetrachloro-m-xylene	135		24 - 172

Client: CHA Inc

Job Number: 480-18292-1

Client Sample ID: **RB-01 (6-12")**

Lab Sample ID: 480-18292-6
Client Matrix: Solid
% Moisture: 16.5

Date Sampled: 04/05/2012 1600
Date Received: 04/07/2012 0900

8082 Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analysis Method:	8082	Analysis Batch:	480-59004	Instrument ID:	HP5890-12
Prep Method:	3550B	Prep Batch:	480-58864	Initial Weight/Volume:	+2.20 g
Dilution:	1.0			Final Weight/Volume:	10 mL
Analysis Date:	04/11/2012 0951			Injection Volume:	1 uL
Prep Date:	04/10/2012 0838			Result Type:	SECONDARY

Surrogate	%Rec	Qualifier	Acceptance Limits
DCB Decachlorobiphenyl	161		36 - 182
Tetrachloro-m-xylene	144		24 - 172

Client: CHA Inc

Job Number: 480-18292-1

Client Sample ID: **RB-01 (12-24")**

Lab Sample ID: 480-18292-7
Client Matrix: Solid
% Moisture: 17.5

Date Sampled: 04/05/2012 1610
Date Received: 04/07/2012 0900

8082 Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analysis Method:	8082	Analysis Batch:	480-59004	Instrument ID:	HP5890-12
Prep Method:	3550B	Prep Batch:	480-58864	Initial Weight/Volume:	+2.12 g
Dilution:	1.0			Final Weight/Volume:	10 mL
Analysis Date:	04/11/2012 1035			Injection Volume:	1 uL
Prep Date:	04/10/2012 0838			Result Type:	PRIMARY

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
PCB-1016		ND		56	290
PCB-1221		ND		56	290
PCB-1232		ND		56	290
PCB-1242		ND		62	290
PCB-1248		ND		56	290
PCB-1254		ND		60	290
PCB-1260		ND		130	290

Surrogate	%Rec	Qualifier	Acceptance Limits
DCB Decachlorobiphenyl	133		36 - 182
Tetrachloro-m-xylene	131		24 - 172

Client: CHA Inc

Job Number: 480-18292-1

Client Sample ID: **RB-01 (12-24")**

Lab Sample ID: 480-18292-7
Client Matrix: Solid
% Moisture: 17.5

Date Sampled: 04/05/2012 1610
Date Received: 04/07/2012 0900

8082 Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analysis Method:	8082	Analysis Batch:	480-59004	Instrument ID:	HP5890-12
Prep Method:	3550B	Prep Batch:	480-58864	Initial Weight/Volume:	+2.12 g
Dilution:	1.0			Final Weight/Volume:	10 mL
Analysis Date:	04/11/2012 1035			Injection Volume:	1 uL
Prep Date:	04/10/2012 0838			Result Type:	SECONDARY

Surrogate	%Rec	Qualifier	Acceptance Limits
DCB Decachlorobiphenyl	159		36 - 182
Tetrachloro-m-xylene	142		24 - 172

Client: CHA Inc

Job Number: 480-18292-1

Client Sample ID: **RB-02 (0-6")**

Lab Sample ID: 480-18292-8
Client Matrix: Solid
% Moisture: 6.8
Date Sampled: 04/05/2012 1620
Date Received: 04/07/2012 0900

8082 Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analysis Method:	8082	Analysis Batch:	480-59004	Instrument ID:	HP5890-12
Prep Method:	3550B	Prep Batch:	480-58864	Initial Weight/Volume:	+2.80 g
Dilution:	1.0			Final Weight/Volume:	10 mL
Analysis Date:	04/11/2012 1050			Injection Volume:	1 uL
Prep Date:	04/10/2012 0838			Result Type:	PRIMARY

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
PCB-1016		ND		37	190
PCB-1221		ND		37	190
PCB-1232		ND		37	190
PCB-1242		ND		42	190
PCB-1248		ND		38	190
PCB-1254		ND		40	190
PCB-1260		ND		90	190

Surrogate	%Rec	Qualifier	Acceptance Limits
DCB Decachlorobiphenyl	143		36 - 182
Tetrachloro-m-xylene	141		24 - 172

Client: CHA Inc

Job Number: 480-18292-1

Client Sample ID: **RB-02 (0-6")**

Lab Sample ID: 480-18292-8
Client Matrix: Solid
% Moisture: 6.8
Date Sampled: 04/05/2012 1620
Date Received: 04/07/2012 0900

8082 Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analysis Method:	8082	Analysis Batch:	480-59004	Instrument ID:	HP5890-12
Prep Method:	3550B	Prep Batch:	480-58864	Initial Weight/Volume:	+2.80 g
Dilution:	1.0			Final Weight/Volume:	10 mL
Analysis Date:	04/11/2012 1050			Injection Volume:	1 uL
Prep Date:	04/10/2012 0838			Result Type:	SECONDARY

Surrogate	%Rec	Qualifier	Acceptance Limits
DCB Decachlorobiphenyl	169		36 - 182
Tetrachloro-m-xylene	149		24 - 172

Client: CHA Inc

Job Number: 480-18292-1

Client Sample ID: **RB-02 (6-12")**

Lab Sample ID: 480-18292-9
Client Matrix: Solid
% Moisture: 7.6
Date Sampled: 04/05/2012 1640
Date Received: 04/07/2012 0900

8082 Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analysis Method:	8082	Analysis Batch:	480-59004	Instrument ID:	HP5890-12
Prep Method:	3550B	Prep Batch:	480-58864	Initial Weight/Volume:	+2.66 g
Dilution:	1.0			Final Weight/Volume:	10 mL
Analysis Date:	04/11/2012 1105			Injection Volume:	1 uL
Prep Date:	04/10/2012 0838			Result Type:	PRIMARY

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
PCB-1016		ND		40	200
PCB-1221		ND		40	200
PCB-1232		ND		40	200
PCB-1242		ND		44	200
PCB-1248		ND		40	200
PCB-1254		ND		43	200
PCB-1260		ND		95	200

Surrogate	%Rec	Qualifier	Acceptance Limits
DCB Decachlorobiphenyl	144		36 - 182
Tetrachloro-m-xylene	136		24 - 172

Client: CHA Inc

Job Number: 480-18292-1

Client Sample ID: **RB-02 (6-12")**

Lab Sample ID: 480-18292-9
Client Matrix: Solid
% Moisture: 7.6

Date Sampled: 04/05/2012 1640
Date Received: 04/07/2012 0900

8082 Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analysis Method:	8082	Analysis Batch:	480-59004	Instrument ID:	HP5890-12
Prep Method:	3550B	Prep Batch:	480-58864	Initial Weight/Volume:	+2.66 g
Dilution:	1.0			Final Weight/Volume:	10 mL
Analysis Date:	04/11/2012 1105			Injection Volume:	1 uL
Prep Date:	04/10/2012 0838			Result Type:	SECONDARY

Surrogate	%Rec	Qualifier	Acceptance Limits
DCB Decachlorobiphenyl	164		36 - 182
Tetrachloro-m-xylene	146		24 - 172

Client: CHA Inc

Job Number: 480-18292-1

Client Sample ID: **RB-02 (12-24")**

Lab Sample ID: 480-18292-10
Client Matrix: Solid
% Moisture: 11.3

Date Sampled: 04/05/2012 1650
Date Received: 04/07/2012 0900

8082 Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analysis Method:	8082	Analysis Batch:	480-59004	Instrument ID:	HP5890-12
Prep Method:	3550B	Prep Batch:	480-58864	Initial Weight/Volume:	+2.46 g
Dilution:	1.0			Final Weight/Volume:	10 mL
Analysis Date:	04/11/2012 1119			Injection Volume:	1 uL
Prep Date:	04/10/2012 0838			Result Type:	PRIMARY

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
PCB-1016		ND		45	230
PCB-1221		ND		45	230
PCB-1232		ND		45	230
PCB-1242		ND		50	230
PCB-1248		ND		45	230
PCB-1254		ND		48	230
PCB-1260		ND		110	230

Surrogate	%Rec	Qualifier	Acceptance Limits
DCB Decachlorobiphenyl	129		36 - 182
Tetrachloro-m-xylene	132		24 - 172

Client: CHA Inc

Job Number: 480-18292-1

Client Sample ID: **RB-02 (12-24")**

Lab Sample ID: 480-18292-10
Client Matrix: Solid
% Moisture: 11.3

Date Sampled: 04/05/2012 1650
Date Received: 04/07/2012 0900

8082 Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analysis Method:	8082	Analysis Batch:	480-59004	Instrument ID:	HP5890-12
Prep Method:	3550B	Prep Batch:	480-58864	Initial Weight/Volume:	+2.46 g
Dilution:	1.0			Final Weight/Volume:	10 mL
Analysis Date:	04/11/2012 1119			Injection Volume:	1 uL
Prep Date:	04/10/2012 0838			Result Type:	SECONDARY

Surrogate	%Rec	Qualifier	Acceptance Limits
DCB Decachlorobiphenyl	156		36 - 182
Tetrachloro-m-xylene	141		24 - 172

Client: CHA Inc

Job Number: 480-18292-1

Client Sample ID: **DUP-03**

Lab Sample ID: 480-18292-11
Client Matrix: Solid
% Moisture: 18.5

Date Sampled: 04/05/2012 1630
Date Received: 04/07/2012 0900

8082 Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analysis Method:	8082	Analysis Batch:	480-59004	Instrument ID:	HP5890-12
Prep Method:	3550B	Prep Batch:	480-58864	Initial Weight/Volume:	+2.25 g
Dilution:	1.0			Final Weight/Volume:	10 mL
Analysis Date:	04/11/2012 1134			Injection Volume:	1 uL
Prep Date:	04/10/2012 0838			Result Type:	PRIMARY

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	MDL	RL
PCB-1016		ND		53	270
PCB-1221		ND		53	270
PCB-1232		ND		53	270
PCB-1242		ND		59	270
PCB-1248		ND		54	270
PCB-1254		ND		58	270
PCB-1260		ND		130	270

Surrogate	%Rec	Qualifier	Acceptance Limits
DCB Decachlorobiphenyl	130		36 - 182
Tetrachloro-m-xylene	129		24 - 172

Client: CHA Inc

Job Number: 480-18292-1

Client Sample ID: **DUP-03**

Lab Sample ID: 480-18292-11
Client Matrix: Solid
% Moisture: 18.5

Date Sampled: 04/05/2012 1630
Date Received: 04/07/2012 0900

8082 Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analysis Method:	8082	Analysis Batch:	480-59004	Instrument ID:	HP5890-12
Prep Method:	3550B	Prep Batch:	480-58864	Initial Weight/Volume:	+2.25 g
Dilution:	1.0			Final Weight/Volume:	10 mL
Analysis Date:	04/11/2012 1134			Injection Volume:	1 uL
Prep Date:	04/10/2012 0838			Result Type:	SECONDARY

Surrogate	%Rec	Qualifier	Acceptance Limits
DCB Decachlorobiphenyl	156		36 - 182
Tetrachloro-m-xylene	138		24 - 172

Client: CHA Inc

Job Number: 480-18292-1

Client Sample ID: **RB-10 (6-12")**

Lab Sample ID: 480-18292-1
Client Matrix: Solid
% Moisture: 8.1
Date Sampled: 04/05/2012 1520
Date Received: 04/07/2012 0900

6010B Metals (ICP)

Analysis Method:	6010B	Analysis Batch:	480-59065	Instrument ID:	ICAP1
Prep Method:	3050B	Prep Batch:	480-58875	Lab File ID:	I1041012A-7.asc
Dilution:	1.0			Initial Weight/Volume:	+0.4994 g
Analysis Date:	04/10/2012 2316			Final Weight/Volume:	50 mL
Prep Date:	04/10/2012 1010				

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	RL
Aluminum		5180		4.8	10.9
Antimony		ND		0.59	16.3
Arsenic		17.0		0.44	2.2
Barium		38.2		0.12	0.54
Beryllium		0.30		0.031	0.22
Cadmium		0.18	J B	0.033	0.22
Calcium		2220	B	3.6	54.5
Chromium		10.2		0.22	0.54
Cobalt		3.9		0.054	0.54
Copper		24.5		0.23	1.1
Iron		15600		1.2	10.9
Lead		34.1		0.26	1.1
Magnesium		1950		1.0	21.8
Manganese		230	B	0.035	0.22
Nickel		13.2		0.25	5.4
Potassium		735		21.8	32.7
Selenium		ND		0.62	4.4
Silver		ND		0.22	0.54
Sodium		34.8	J	14.2	153
Thallium		ND		0.33	6.5
Vanadium		15.0		0.12	0.54
Zinc		33.5		0.17	2.2

7471A Mercury (CVAA)

Analysis Method:	7471A	Analysis Batch:	480-58742	Instrument ID:	LEEMAN3
Prep Method:	7471A	Prep Batch:	480-58653	Lab File ID:	J04092S1.PRN
Dilution:	1.0			Initial Weight/Volume:	+0.6125 g
Analysis Date:	04/09/2012 1117			Final Weight/Volume:	50 mL
Prep Date:	04/09/2012 0840				

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	RL
Hg		0.51		0.0086	0.021

Client: CHA Inc

Job Number: 480-18292-1

Client Sample ID: **RB-10 (12-24")**

Lab Sample ID: 480-18292-2
Client Matrix: Solid
% Moisture: 7.0

Date Sampled: 04/05/2012 1530
Date Received: 04/07/2012 0900

6010B Metals (ICP)

Analysis Method:	6010B	Analysis Batch:	480-59065	Instrument ID:	ICAP1
Prep Method:	3050B	Prep Batch:	480-58875	Lab File ID:	I1041012A-7.asc
Dilution:	1.0			Initial Weight/Volume:	+0.5044 g
Analysis Date:	04/10/2012 2323			Final Weight/Volume:	50 mL
Prep Date:	04/10/2012 1010				

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	RL
Aluminum		5120		4.7	10.7
Antimony		ND		0.58	16.0
Arsenic		5.3		0.43	2.1
Barium		24.0		0.12	0.53
Beryllium		0.30		0.030	0.21
Cadmium		0.12	J B	0.032	0.21
Calcium		1950	B	3.5	53.3
Chromium		9.3		0.21	0.53
Cobalt		3.6		0.053	0.53
Copper		14.7		0.22	1.1
Iron		12900		1.2	10.7
Lead		15.2		0.26	1.1
Magnesium		1580		0.99	21.3
Manganese		324	B	0.034	0.21
Nickel		8.3		0.25	5.3
Potassium		710		21.3	32.0
Selenium		ND		0.61	4.3
Silver		ND		0.21	0.53
Sodium		35.8	J	13.9	149
Thallium		ND		0.32	6.4
Vanadium		15.8		0.12	0.53
Zinc		22.9		0.16	2.1

7471A Mercury (CVAA)

Analysis Method:	7471A	Analysis Batch:	480-58742	Instrument ID:	LEEMAN3
Prep Method:	7471A	Prep Batch:	480-58653	Lab File ID:	J04092S1.PRN
Dilution:	1.0			Initial Weight/Volume:	+0.6581 g
Analysis Date:	04/09/2012 1118			Final Weight/Volume:	50 mL
Prep Date:	04/09/2012 0840				

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	RL
Hg		0.42		0.0079	0.020

Client: CHA Inc

Job Number: 480-18292-1

Client Sample ID: **RB-11 (0-6")**

Lab Sample ID: 480-18292-3
Client Matrix: Solid
% Moisture: 6.1

Date Sampled: 04/05/2012 1700
Date Received: 04/07/2012 0900

6010B Metals (ICP)

Analysis Method:	6010B	Analysis Batch:	480-59065	Instrument ID:	ICAP1
Prep Method:	3050B	Prep Batch:	480-58875	Lab File ID:	I1041012A-7.asc
Dilution:	1.0			Initial Weight/Volume:	+0.4979 g
Analysis Date:	04/10/2012 2325			Final Weight/Volume:	50 mL
Prep Date:	04/10/2012 1010				

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	RL
Aluminum		1910		4.7	10.7
Antimony		ND		0.58	16.0
Arsenic		19.9		0.43	2.1
Barium		61.3		0.12	0.53
Beryllium		0.30		0.030	0.21
Cadmium		0.18	J B	0.032	0.21
Calcium		84400	B	3.5	53.5
Chromium		11.9		0.21	0.53
Cobalt		5.0		0.053	0.53
Copper		22.9		0.22	1.1
Iron		10600		1.2	10.7
Lead		22.6		0.26	1.1
Manganese		207	B	0.034	0.21
Nickel		14.0		0.25	5.3
Potassium		746		21.4	32.1
Selenium		ND		0.61	4.3
Silver		ND		0.21	0.53
Sodium		73.9	J	13.9	150
Thallium		ND		0.32	6.4
Vanadium		8.4		0.12	0.53
Zinc		32.8		0.16	2.1

Analysis Method:	6010B	Analysis Batch:	480-59415	Instrument ID:	ICAP2
Prep Method:	3050B	Prep Batch:	480-58875	Lab File ID:	I2041212A-1.asc
Dilution:	1.0			Initial Weight/Volume:	+0.4979 g
Analysis Date:	04/12/2012 1541			Final Weight/Volume:	50 mL
Prep Date:	04/10/2012 1010				

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	RL
Magnesium		46900		0.99	21.4

7471A Mercury (CVAA)

Analysis Method:	7471A	Analysis Batch:	480-58742	Instrument ID:	LEEMAN3
Prep Method:	7471A	Prep Batch:	480-58653	Lab File ID:	J04092S1.PRN
Dilution:	1.0			Initial Weight/Volume:	+0.5935 g
Analysis Date:	04/09/2012 1119			Final Weight/Volume:	50 mL
Prep Date:	04/09/2012 0840				

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	RL
Hg		0.041		0.0087	0.022

Client: CHA Inc

Job Number: 480-18292-1

Client Sample ID: **RB-12 (0-6")**

Lab Sample ID: 480-18292-4
Client Matrix: Solid
% Moisture: 4.3
Date Sampled: 04/05/2012 1710
Date Received: 04/07/2012 0900

6010B Metals (ICP)

Analysis Method:	6010B	Analysis Batch:	480-59065	Instrument ID:	ICAP1
Prep Method:	3050B	Prep Batch:	480-58875	Lab File ID:	I1041012A-7.asc
Dilution:	1.0			Initial Weight/Volume:	+0.5066 g
Analysis Date:	04/10/2012 2328			Final Weight/Volume:	50 mL
Prep Date:	04/10/2012 1010				

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	RL
Aluminum		2940		4.5	10.3
Antimony		ND		0.56	15.5
Arsenic		7.9		0.41	2.1
Barium		27.6		0.11	0.52
Beryllium		0.23		0.029	0.21
Cadmium		0.54	B	0.031	0.21
Calcium		19500	B	3.4	51.6
Chromium		12.2		0.21	0.52
Cobalt		4.4		0.052	0.52
Copper		40.4		0.22	1.0
Iron		15700		1.1	10.3
Lead		63.4		0.25	1.0
Magnesium		11100		0.96	20.6
Manganese		237	B	0.033	0.21
Nickel		12.2		0.24	5.2
Potassium		434		20.6	31.0
Selenium		ND		0.59	4.1
Silver		ND		0.21	0.52
Sodium		39.1	J	13.4	144
Thallium		ND		0.31	6.2
Vanadium		11.1		0.11	0.52
Zinc		101		0.16	2.1

7471A Mercury (CVAA)

Analysis Method:	7471A	Analysis Batch:	480-58742	Instrument ID:	LEEMAN3
Prep Method:	7471A	Prep Batch:	480-58653	Lab File ID:	J04092S1.PRN
Dilution:	1.0			Initial Weight/Volume:	+0.6373 g
Analysis Date:	04/09/2012 1121			Final Weight/Volume:	50 mL
Prep Date:	04/09/2012 0840				

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	RL
Hg		0.38		0.0080	0.020

Client: CHA Inc

Job Number: 480-18292-1

Client Sample ID: **RB-01 (0-6")**

Lab Sample ID: 480-18292-5
Client Matrix: Solid
% Moisture: 10.7

Date Sampled: 04/05/2012 1545
Date Received: 04/07/2012 0900

6010B Metals (ICP)

Analysis Method:	6010B	Analysis Batch:	480-59065	Instrument ID:	ICAP1
Prep Method:	3050B	Prep Batch:	480-58875	Lab File ID:	I1041012A-7.asc
Dilution:	1.0			Initial Weight/Volume:	+0.5362 g
Analysis Date:	04/10/2012 2330			Final Weight/Volume:	50 mL
Prep Date:	04/10/2012 1010				

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	RL
Aluminum		4270		4.6	10.4
Antimony		0.84	J B	0.56	15.7
Arsenic		9.5		0.42	2.1
Barium		72.2		0.11	0.52
Beryllium		0.30		0.029	0.21
Cadmium		0.30	B	0.031	0.21
Calcium		13400	B	3.4	52.2
Chromium		9.5		0.21	0.52
Cobalt		3.2		0.052	0.52
Copper		34.8		0.22	1.0
Iron		14600		1.1	10.4
Lead		81.1		0.25	1.0
Magnesium		4100		0.97	20.9
Manganese		204	B	0.033	0.21
Nickel		13.5		0.24	5.2
Potassium		673		20.9	31.3
Selenium		ND		0.60	4.2
Silver		ND		0.21	0.52
Sodium		160		13.6	146
Thallium		ND		0.31	6.3
Vanadium		14.9		0.11	0.52
Zinc		58.6		0.16	2.1

7471A Mercury (CVAA)

Analysis Method:	7471A	Analysis Batch:	480-58742	Instrument ID:	LEEMAN3
Prep Method:	7471A	Prep Batch:	480-58653	Lab File ID:	J04092S1.PRN
Dilution:	1.0			Initial Weight/Volume:	+0.5902 g
Analysis Date:	04/09/2012 1124			Final Weight/Volume:	50 mL
Prep Date:	04/09/2012 0840				

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	RL
Hg		0.28		0.0092	0.023

Client: CHA Inc

Job Number: 480-18292-1

Client Sample ID: **RB-01 (6-12")**

Lab Sample ID: 480-18292-6
Client Matrix: Solid
% Moisture: 16.5
Date Sampled: 04/05/2012 1600
Date Received: 04/07/2012 0900

6010B Metals (ICP)

Analysis Method:	6010B	Analysis Batch:	480-59065	Instrument ID:	ICAP1
Prep Method:	3050B	Prep Batch:	480-58875	Lab File ID:	I1041012A-7.asc
Dilution:	1.0			Initial Weight/Volume:	+0.4655 g
Analysis Date:	04/10/2012 2342			Final Weight/Volume:	50 mL
Prep Date:	04/10/2012 1010				

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	RL
Aluminum		6460		5.7	12.9
Antimony		ND		0.69	19.3
Arsenic		11.5		0.51	2.6
Barium		78.1		0.14	0.64
Beryllium		0.39		0.036	0.26
Cadmium		0.31	B	0.039	0.26
Calcium		14100	B	4.2	64.3
Chromium		11.9		0.26	0.64
Cobalt		3.9		0.064	0.64
Copper		43.5		0.27	1.3
Iron		16800		1.4	12.9
Lead		74.6		0.31	1.3
Magnesium		5320		1.2	25.7
Manganese		303	B	0.041	0.26
Nickel		19.5		0.30	6.4
Potassium		813		25.7	38.6
Selenium		ND		0.73	5.1
Silver		ND		0.26	0.64
Sodium		162	J	16.7	180
Thallium		ND		0.39	7.7
Vanadium		17.4		0.14	0.64
Zinc		63.1		0.20	2.6

7471A Mercury (CVAA)

Analysis Method:	7471A	Analysis Batch:	480-58742	Instrument ID:	LEEMAN3
Prep Method:	7471A	Prep Batch:	480-58653	Lab File ID:	J04092S1.PRN
Dilution:	1.0			Initial Weight/Volume:	+0.5968 g
Analysis Date:	04/09/2012 1129			Final Weight/Volume:	50 mL
Prep Date:	04/09/2012 0840				

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	RL
Hg		0.14		0.0098	0.024

Client: CHA Inc

Job Number: 480-18292-1

Client Sample ID: **RB-01 (12-24")**

Lab Sample ID: 480-18292-7
Client Matrix: Solid
% Moisture: 17.5

Date Sampled: 04/05/2012 1610
Date Received: 04/07/2012 0900

6010B Metals (ICP)

Analysis Method:	6010B	Analysis Batch:	480-59065	Instrument ID:	ICAP1
Prep Method:	3050B	Prep Batch:	480-58875	Lab File ID:	I1041012A-7.asc
Dilution:	1.0			Initial Weight/Volume:	+0.5305 g
Analysis Date:	04/10/2012 2344			Final Weight/Volume:	50 mL
Prep Date:	04/10/2012 1010				

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	RL
Aluminum		5290		5.0	11.4
Antimony		ND		0.62	17.1
Arsenic		14.5		0.46	2.3
Barium		86.9		0.13	0.57
Beryllium		0.39		0.032	0.23
Cadmium		0.27	B	0.034	0.23
Calcium		40400	B	3.8	57.1
Chromium		10.3		0.23	0.57
Cobalt		3.6		0.057	0.57
Copper		37.9		0.24	1.1
Iron		15300		1.3	11.4
Lead		65.6		0.27	1.1
Magnesium		4280		1.1	22.9
Manganese		195	B	0.037	0.23
Nickel		15.8		0.26	5.7
Potassium		692		22.9	34.3
Selenium		0.76	J	0.65	4.6
Silver		ND		0.23	0.57
Sodium		252		14.9	160
Thallium		ND		0.34	6.9
Vanadium		16.0		0.13	0.57
Zinc		48.1		0.17	2.3

7471A Mercury (CVAA)

Analysis Method:	7471A	Analysis Batch:	480-58742	Instrument ID:	LEEMAN3
Prep Method:	7471A	Prep Batch:	480-58653	Lab File ID:	J04092S1.PRN
Dilution:	1.0			Initial Weight/Volume:	+0.5559 g
Analysis Date:	04/09/2012 1131			Final Weight/Volume:	50 mL
Prep Date:	04/09/2012 0840				

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	RL
Hg		0.14		0.011	0.026

Client: CHA Inc

Job Number: 480-18292-1

Client Sample ID: **RB-02 (0-6")**

Lab Sample ID: 480-18292-8
Client Matrix: Solid
% Moisture: 6.8
Date Sampled: 04/05/2012 1620
Date Received: 04/07/2012 0900

6010B Metals (ICP)

Analysis Method:	6010B	Analysis Batch:	480-59065	Instrument ID:	ICAP1
Prep Method:	3050B	Prep Batch:	480-58875	Lab File ID:	I1041012A-7.asc
Dilution:	1.0			Initial Weight/Volume:	+0.4865 g
Analysis Date:	04/10/2012 2351			Final Weight/Volume:	50 mL
Prep Date:	04/10/2012 1010				

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	RL
Aluminum		3150		4.9	11.0
Antimony		ND		0.60	16.5
Arsenic		32.8		0.44	2.2
Barium		33.4		0.12	0.55
Beryllium		0.21	J	0.031	0.22
Cadmium		0.14	J B	0.033	0.22
Calcium		8710	B	3.6	55.1
Chromium		8.8		0.22	0.55
Cobalt		3.4		0.055	0.55
Copper		21.5		0.23	1.1
Iron		20700		1.2	11.0
Lead		37.7		0.26	1.1
Magnesium		2920		1.0	22.1
Manganese		163	B	0.035	0.22
Nickel		9.4		0.25	5.5
Potassium		650		22.1	33.1
Selenium		1.5	J	0.63	4.4
Silver		ND		0.22	0.55
Sodium		369		14.3	154
Thallium		ND		0.33	6.6
Vanadium		16.1		0.12	0.55
Zinc		32.9		0.17	2.2

7471A Mercury (CVAA)

Analysis Method:	7471A	Analysis Batch:	480-58742	Instrument ID:	LEEMAN3
Prep Method:	7471A	Prep Batch:	480-58653	Lab File ID:	J04092S1.PRN
Dilution:	1.0			Initial Weight/Volume:	+0.5694 g
Analysis Date:	04/09/2012 1133			Final Weight/Volume:	50 mL
Prep Date:	04/09/2012 0840				

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	RL
Hg		0.19		0.0092	0.023

Client: CHA Inc

Job Number: 480-18292-1

Client Sample ID: **RB-02 (6-12")**

Lab Sample ID: 480-18292-9
Client Matrix: Solid
% Moisture: 7.6
Date Sampled: 04/05/2012 1640
Date Received: 04/07/2012 0900

6010B Metals (ICP)

Analysis Method:	6010B	Analysis Batch:	480-59065	Instrument ID:	ICAP1
Prep Method:	3050B	Prep Batch:	480-58875	Lab File ID:	I1041012A-7.asc
Dilution:	1.0			Initial Weight/Volume:	+0.5468 g
Analysis Date:	04/10/2012 2353			Final Weight/Volume:	50 mL
Prep Date:	04/10/2012 1010				

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	RL
Aluminum		5350		4.4	9.9
Antimony		ND		0.53	14.8
Arsenic		5.4		0.40	2.0
Barium		19.3		0.11	0.49
Beryllium		0.13	J	0.028	0.20
Cadmium		0.15	J B	0.030	0.20
Calcium		2340	B	3.3	49.5
Chromium		8.7		0.20	0.49
Cobalt		1.6		0.049	0.49
Copper		11.7		0.21	0.99
Iron		7970		1.1	9.9
Lead		17.1		0.24	0.99
Magnesium		662		0.92	19.8
Manganese		134	B	0.032	0.20
Nickel		7.5		0.23	4.9
Potassium		365		19.8	29.7
Selenium		ND		0.56	4.0
Silver		ND		0.20	0.49
Sodium		226		12.9	139
Thallium		ND		0.30	5.9
Vanadium		11.8		0.11	0.49
Zinc		15.4		0.15	2.0

7471A Mercury (CVAA)

Analysis Method:	7471A	Analysis Batch:	480-58742	Instrument ID:	LEEMAN3
Prep Method:	7471A	Prep Batch:	480-58653	Lab File ID:	J04092S1.PRN
Dilution:	1.0			Initial Weight/Volume:	+0.5579 g
Analysis Date:	04/09/2012 1134			Final Weight/Volume:	50 mL
Prep Date:	04/09/2012 0840				

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	RL
Hg		0.13		0.0094	0.023

Client: CHA Inc

Job Number: 480-18292-1

Client Sample ID: **RB-02 (12-24")**

Lab Sample ID: 480-18292-10
Client Matrix: Solid
% Moisture: 11.3
Date Sampled: 04/05/2012 1650
Date Received: 04/07/2012 0900

6010B Metals (ICP)

Analysis Method:	6010B	Analysis Batch:	480-59065	Instrument ID:	ICAP1
Prep Method:	3050B	Prep Batch:	480-58875	Lab File ID:	I1041012A-7.asc
Dilution:	1.0			Initial Weight/Volume:	+0.4965 g
Analysis Date:	04/10/2012 2355			Final Weight/Volume:	50 mL
Prep Date:	04/10/2012 1010				

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	RL
Aluminum		4970		5.0	11.4
Antimony		ND		0.61	17.0
Arsenic		16.2		0.45	2.3
Barium		35.0		0.12	0.57
Beryllium		0.20	J	0.032	0.23
Cadmium		0.14	J B	0.034	0.23
Calcium		3530	B	3.7	56.8
Chromium		8.9		0.23	0.57
Cobalt		2.4		0.057	0.57
Copper		18.8		0.24	1.1
Iron		12300		1.2	11.4
Lead		47.2		0.27	1.1
Magnesium		1040		1.1	22.7
Manganese		115	B	0.036	0.23
Nickel		7.8		0.26	5.7
Potassium		498		22.7	34.1
Selenium		0.87	J	0.65	4.5
Silver		ND		0.23	0.57
Sodium		264		14.8	159
Thallium		ND		0.34	6.8
Vanadium		12.5		0.12	0.57
Zinc		28.9		0.17	2.3

7471A Mercury (CVAA)

Analysis Method:	7471A	Analysis Batch:	480-58742	Instrument ID:	LEEMAN3
Prep Method:	7471A	Prep Batch:	480-58653	Lab File ID:	J04092S1.PRN
Dilution:	1.0			Initial Weight/Volume:	+0.6306 g
Analysis Date:	04/09/2012 1135			Final Weight/Volume:	50 mL
Prep Date:	04/09/2012 0840				

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	RL
Hg		0.12		0.0087	0.021

Client: CHA Inc

Job Number: 480-18292-1

Client Sample ID: **DUP-03**

Lab Sample ID: 480-18292-11
Client Matrix: Solid
% Moisture: 18.5
Date Sampled: 04/05/2012 1630
Date Received: 04/07/2012 0900

6010B Metals (ICP)

Analysis Method:	6010B	Analysis Batch:	480-59065	Instrument ID:	ICAP1
Prep Method:	3050B	Prep Batch:	480-58875	Lab File ID:	I1041012A-7.asc
Dilution:	1.0			Initial Weight/Volume:	+0.4525 g
Analysis Date:	04/10/2012 2357			Final Weight/Volume:	50 mL
Prep Date:	04/10/2012 1010				

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	RL
Aluminum		4790		6.0	13.6
Antimony		ND		0.73	20.3
Arsenic		12.7		0.54	2.7
Barium		82.7		0.15	0.68
Beryllium		0.37		0.038	0.27
Cadmium		0.35	B	0.041	0.27
Calcium		42900	B	4.5	67.8
Chromium		13.8		0.27	0.68
Cobalt		4.5		0.068	0.68
Copper		42.3		0.28	1.4
Iron		17600		1.5	13.6
Lead		62.2		0.33	1.4
Magnesium		24700		1.3	27.1
Manganese		255	B	0.043	0.27
Nickel		16.4		0.31	6.8
Potassium		760		27.1	40.7
Selenium		ND		0.77	5.4
Silver		ND		0.27	0.68
Sodium		242		17.6	190
Thallium		ND		0.41	8.1
Vanadium		16.7		0.15	0.68
Zinc		47.2		0.21	2.7

7471A Mercury (CVAA)

Analysis Method:	7471A	Analysis Batch:	480-58742	Instrument ID:	LEEMAN3
Prep Method:	7471A	Prep Batch:	480-58653	Lab File ID:	J04092S1.PRN
Dilution:	1.0			Initial Weight/Volume:	+0.5562 g
Analysis Date:	04/09/2012 1137			Final Weight/Volume:	50 mL
Prep Date:	04/09/2012 0840				

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	RL
Hg		0.12		0.011	0.026

General Chemistry

Client Sample ID: **RB-10 (6-12")**

Lab Sample ID: 480-18292-1 Date Sampled: 04/05/2012 1520

Client Matrix: Solid Date Received: 04/07/2012 0900

Analyte	Result	Qual	Units	RL	RL	Dil	Method
Percent Moisture	8.1		%	0.10	0.10	1.0	Moisture
Analysis Batch: 480-58736	Analysis Date: 04/09/2012 1140						DryWt Corrected: N
Percent Solids	92		%	0.10	0.10	1.0	Moisture
Analysis Batch: 480-58736	Analysis Date: 04/09/2012 1140						DryWt Corrected: N

General Chemistry

Client Sample ID: **RB-10 (12-24")**

Lab Sample ID: 480-18292-2

Client Matrix: Solid

Date Sampled: 04/05/2012 1530

Date Received: 04/07/2012 0900

Analyte	Result	Qual	Units	RL	RL	Dil	Method
Percent Moisture	7.0		%	0.10	0.10	1.0	Moisture
Analysis Batch: 480-58736	Analysis Date: 04/09/2012 1140						DryWt Corrected: N
Percent Solids	93		%	0.10	0.10	1.0	Moisture
Analysis Batch: 480-58736	Analysis Date: 04/09/2012 1140						DryWt Corrected: N

General Chemistry

Client Sample ID: **RB-11 (0-6")**

Lab Sample ID: 480-18292-3

Client Matrix: Solid

Date Sampled: 04/05/2012 1700

Date Received: 04/07/2012 0900

Analyte	Result	Qual	Units	RL	RL	Dil	Method
Percent Moisture	6.1		%	0.10	0.10	1.0	Moisture
Analysis Batch: 480-58736	Analysis Date: 04/09/2012 1140						DryWt Corrected: N
Percent Solids	94		%	0.10	0.10	1.0	Moisture
Analysis Batch: 480-58736	Analysis Date: 04/09/2012 1140						DryWt Corrected: N

General Chemistry

Client Sample ID: **RB-12 (0-6")**

Lab Sample ID: 480-18292-4 Date Sampled: 04/05/2012 1710

Client Matrix: Solid Date Received: 04/07/2012 0900

Analyte	Result	Qual	Units	RL	RL	Dil	Method
Percent Moisture	4.3		%	0.10	0.10	1.0	Moisture
Analysis Batch: 480-58736	Analysis Date: 04/09/2012 1140						DryWt Corrected: N
Percent Solids	96		%	0.10	0.10	1.0	Moisture
Analysis Batch: 480-58736	Analysis Date: 04/09/2012 1140						DryWt Corrected: N

General Chemistry

Client Sample ID: **RB-01 (0-6")**

Lab Sample ID: 480-18292-5

Client Matrix: Solid

Date Sampled: 04/05/2012 1545

Date Received: 04/07/2012 0900

Analyte	Result	Qual	Units	RL	RL	Dil	Method
Percent Moisture	11		%	0.10	0.10	1.0	Moisture
Analysis Batch: 480-58736	Analysis Date: 04/09/2012 1140						DryWt Corrected: N
Percent Solids	89		%	0.10	0.10	1.0	Moisture
Analysis Batch: 480-58736	Analysis Date: 04/09/2012 1140						DryWt Corrected: N

General Chemistry

Client Sample ID: **RB-01 (6-12")**

Lab Sample ID: 480-18292-6

Client Matrix: Solid

Date Sampled: 04/05/2012 1600

Date Received: 04/07/2012 0900

Analyte	Result	Qual	Units	RL	RL	Dil	Method
Percent Moisture	16		%	0.10	0.10	1.0	Moisture
Analysis Batch: 480-58736	Analysis Date: 04/09/2012 1140						DryWt Corrected: N
Percent Solids	84		%	0.10	0.10	1.0	Moisture
Analysis Batch: 480-58736	Analysis Date: 04/09/2012 1140						DryWt Corrected: N

General Chemistry

Client Sample ID: **RB-01 (12-24")**

Lab Sample ID: 480-18292-7

Client Matrix: Solid

Date Sampled: 04/05/2012 1610

Date Received: 04/07/2012 0900

Analyte	Result	Qual	Units	RL	RL	Dil	Method
Percent Moisture	18		%	0.10	0.10	1.0	Moisture
Analysis Batch: 480-58736	Analysis Date: 04/09/2012 1140						DryWt Corrected: N
Percent Solids	82		%	0.10	0.10	1.0	Moisture
Analysis Batch: 480-58736	Analysis Date: 04/09/2012 1140						DryWt Corrected: N

General Chemistry

Client Sample ID: **RB-02 (0-6")**

Lab Sample ID: 480-18292-8 Date Sampled: 04/05/2012 1620

Client Matrix: Solid Date Received: 04/07/2012 0900

Analyte	Result	Qual	Units	RL	RL	Dil	Method
Percent Moisture	6.8		%	0.10	0.10	1.0	Moisture
Analysis Batch: 480-58736	Analysis Date: 04/09/2012 1140						DryWt Corrected: N
Percent Solids	93		%	0.10	0.10	1.0	Moisture
Analysis Batch: 480-58736	Analysis Date: 04/09/2012 1140						DryWt Corrected: N

General Chemistry

Client Sample ID: **RB-02 (6-12")**

Lab Sample ID: 480-18292-9

Client Matrix: Solid

Date Sampled: 04/05/2012 1640

Date Received: 04/07/2012 0900

Analyte	Result	Qual	Units	RL	RL	Dil	Method
Percent Moisture	7.6		%	0.10	0.10	1.0	Moisture
Analysis Batch: 480-58736	Analysis Date: 04/09/2012 1140						DryWt Corrected: N
Percent Solids	92		%	0.10	0.10	1.0	Moisture
Analysis Batch: 480-58736	Analysis Date: 04/09/2012 1140						DryWt Corrected: N

General Chemistry

Client Sample ID: **RB-02 (12-24")**

Lab Sample ID: 480-18292-10

Client Matrix: Solid

Date Sampled: 04/05/2012 1650

Date Received: 04/07/2012 0900

Analyte	Result	Qual	Units	RL	RL	Dil	Method
Percent Moisture	11		%	0.10	0.10	1.0	Moisture
Analysis Batch: 480-58736	Analysis Date: 04/09/2012 1140						DryWt Corrected: N
Percent Solids	89		%	0.10	0.10	1.0	Moisture
Analysis Batch: 480-58736	Analysis Date: 04/09/2012 1140						DryWt Corrected: N

General Chemistry

Client Sample ID: **DUP-03**

Lab Sample ID: 480-18292-11 Date Sampled: 04/05/2012 1630
Client Matrix: Solid Date Received: 04/07/2012 0900

Analyte	Result	Qual	Units	RL	RL	Dil	Method
Percent Moisture	19		%	0.10	0.10	1.0	Moisture
Analysis Batch: 480-58736	Analysis Date: 04/09/2012 1140						DryWt Corrected: N
Percent Solids	81		%	0.10	0.10	1.0	Moisture
Analysis Batch: 480-58736	Analysis Date: 04/09/2012 1140						DryWt Corrected: N

Client: CHA Inc

Job Number: 480-18292-1

Surrogate Recovery Report

8260B Volatile Organic Compounds (GC/MS)

Client Matrix: Solid

Lab Sample ID	Client Sample ID	DCA %Rec	TOL %Rec	BFB %Rec
480-18292-1	RB-10 (6-12")	100	109	110
480-18292-2	RB-10 (12-24")	97	109	108
480-18292-3	RB-11 (0-6")	97	107	110
480-18292-4	RB-12 (0-6")	98	108	110
480-18292-5	RB-01 (0-6")	97	108	107
480-18292-6	RB-01 (6-12")	98	109	110
480-18292-7	RB-01 (12-24")	96	109	108
480-18292-8	RB-02 (0-6")	97	108	108
480-18292-9	RB-02 (6-12")	97	108	108
480-18292-10	RB-02 (12-24")	99	108	108
480-18292-11	DUP-03	98	110	108
MB 480-58994/5		94	108	107
MB 480-59033/5		91	108	106
LCS 480-58994/4		94	108	109
LCS 480-59033/4		95	107	109
480-18292-5 MS	RB-01 (0-6") MS	86	108	106
480-18292-5 MSD	RB-01 (0-6") MSD	86	109	107

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: 480-18292-1

Surrogate Recovery Report

8260B Volatile Organic Compounds (GC/MS)

Client Matrix: Water

Lab Sample ID	Client Sample ID	DCA %Rec	TOL %Rec	BFB %Rec
480-18292-12	TRIP BLANK	120	99	106
MB 480-59441/5		122	99	108
LCS 480-59441/4		117	96	106

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: 480-18292-1

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
480-18292-1	RB-10 (6-12")	70	66	75	81	73	99
480-18292-2	RB-10 (12-24")	72	73	82	91	92	107
480-18292-3	RB-11 (0-6")	71	71	70	81	78	98
480-18292-4	RB-12 (0-6")	63	65	75	86	69	100
480-18292-5	RB-01 (0-6")	52	53	55	65	37X	82
480-18292-6	RB-01 (6-12")	66	61	67	79	43	95
480-18292-7	RB-01 (12-24")	68	69	78	89	66	97
480-18292-8	RB-02 (0-6")	66	64	75	83	56	90
480-18292-9	RB-02 (6-12")	72	64	71	80	57	89
480-18292-10	RB-02 (12-24")	68	62	65	85	67	97
480-18292-11	DUP-03	59	63	74	82	49	90
MB 480-58845/1-A		69	71	76	82	97	103
LCS 480-58845/2-A		74	79	91	90	115	112
480-18292-5 MS	RB-01 (0-6") MS	75	68	87	85	97	97
480-18292-5 MSD	RB-01 (0-6") MSD	82	76	95	94	96	112

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: 480-18292-1

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
480-18292-1	RB-10 (6-12")	144	132	157	132
480-18292-2	RB-10 (12-24")	138	130	155	130
480-18292-3	RB-11 (0-6")	142	134	156	140
480-18292-4	RB-12 (0-6")	142	135	163	166
480-18292-5	RB-01 (0-6")	144	133	157	132
480-18292-6	RB-01 (6-12")	144	135	161	134
480-18292-7	RB-01 (12-24")	142	131	159	133
480-18292-8	RB-02 (0-6")	149	141	169	143
480-18292-9	RB-02 (6-12")	146	136	164	144
480-18292-10	RB-02 (12-24")	141	132	156	129
480-18292-11	DUP-03	138	129	156	130
MB 480-58864/1-A		141	133	156	128
LCS 480-58864/2-A		172	147	175	144
480-18292-5 MS	RB-01 (0-6") MS	172	148	175	152
480-18292-5 MSD	RB-01 (0-6") MSD	171	147	177	149

Surrogate	Acceptance Limits
TCX = Tetrachloro-m-xylene	24-172
DCB = DCB Decachlorobiphenyl	36-182

Client: CHA Inc

Job Number: 480-18292-1

Matrix Spike/
Matrix Spike Duplicate Recovery Report - Batch: 480-58917

Method: 8260B
Preparation: 5035

MS Lab Sample ID:	480-18292-5	Analysis Batch:	480-59033	Instrument ID:	HP5973F
Client Matrix:	Solid	Prep Batch:	480-58917	Lab File ID:	F8017.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	3.26 g
Analysis Date:	04/11/2012 1128			Final Weight/Volume:	5 mL
Prep Date:	04/10/2012 1150				
Leach Date:	N/A				

MSD Lab Sample ID:	480-18292-5	Analysis Batch:	480-59033	Instrument ID:	HP5973F
Client Matrix:	Solid	Prep Batch:	480-58917	Lab File ID:	F8018.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	2.79 g
Analysis Date:	04/11/2012 1153			Final Weight/Volume:	5 mL
Prep Date:	04/10/2012 1150				
Leach Date:	N/A				

	% Rec.						
Analyte	MS	MSD	Limit	RPD	RPD Limit	MS Qual	MSD Qual
1,1-Dichloroethane	43	70	79 - 126	63.0	30	F	F
1,1-Dichloroethene	36	59	65 - 153	62.6	30	F	F
1,2-Dichlorobenzene	23	33	75 - 120	50.2	30	F	F
1,2-Dichloroethane	37	59	77 - 122	61.1	30	F	F
Benzene	41	68	79 - 127	62.7	30	F	F
Chlorobenzene	33	51	76 - 124	57.1	30	F	F
cis-1,2-Dichloroethene	39	63	81 - 117	61.0	30	F	F
Ethylbenzene	34	53	80 - 120	57.3	30	F	F
Methyl tert-butyl ether	38	63	63 - 125	64.0	30	F	F
Tetrachloroethene	36	54	74 - 122	55.0	30	F	F
Toluene	40	63	74 - 128	59.5	30	F	F
trans-1,2-Dichloroethene	38	60	78 - 126	60.4	30	F	F
Trichloroethene	34	52	77 - 129	57.6	30	F	F

Surrogate	MS % Rec	MSD % Rec	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	86	86	64 - 126
Toluene-d8 (Surr)	108	109	71 - 125
4-Bromofluorobenzene (Surr)	106	107	72 - 126

Client: CHA Inc

Job Number: 480-18292-1

Matrix Spike/
Matrix Spike Duplicate Recovery Report - Batch: 480-58917

Method: 8260B
Preparation: 5035

MS Lab Sample ID:	480-18292-5	Units: ug/Kg	
Client Matrix:	Solid		
Dilution:	1.0		
Analysis Date:	04/11/2012 1128		
Prep Date:	04/10/2012 1150		
Leach Date:	N/A		

MSD Lab Sample ID:	480-18292-5
Client Matrix:	Solid
Dilution:	1.0
Analysis Date:	04/11/2012 1153
Prep Date:	04/10/2012 1150
Leach Date:	N/A

Analyte	Sample Result/Qual	MS Spike Amount	MSD Spike Amount	MS Result/Qual		MSD Result/Qual	
1,1-Dichloroethane	ND	85.9	100	36.6	F	70.2	F
1,1-Dichloroethene	ND	85.9	100	31.1	F	59.4	F
1,2-Dichlorobenzene	ND	85.9	100	19.6	F	32.7	F
1,2-Dichloroethane	ND	85.9	100	31.6	F	59.4	F
Benzene	ND	85.9	100	35.6	F	68.0	F
Chlorobenzene	ND	85.9	100	28.3	F	51.0	F
cis-1,2-Dichloroethene	ND	85.9	100	33.7	F	63.2	F
Ethylbenzene	ND	85.9	100	29.4	F	53.0	F
Methyl tert-butyl ether	ND	85.9	100	32.5	F	63.0	F
Tetrachloroethene	ND	85.9	100	30.9	F	54.4	F
Toluene	ND	85.9	100	34.0	F	62.8	F
trans-1,2-Dichloroethene	ND	85.9	100	32.3	F	60.2	F
Trichloroethene	ND	85.9	100	28.9	F	52.2	F

Client: CHA Inc

Job Number: 480-18292-1

Method Blank - Batch: 480-58994

Method: 8260B
Preparation: N/A

Lab Sample ID:	MB 480-58994/5	Analysis Batch:	480-58994	Instrument ID:	HP5973F
Client Matrix:	Solid	Prep Batch:	N/A	Lab File ID:	F7990.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	5 g
Analysis Date:	04/10/2012 2311	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: 480-58994

Method: 8260B
Preparation: N/A

Lab Sample ID:	MB 480-58994/5	Analysis Batch:	480-58994	Instrument ID:	HP5973F
Client Matrix:	Solid	Prep Batch:	N/A	Lab File ID:	F7990.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	5 g
Analysis Date:	04/10/2012 2311	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)	94	64 - 126
Toluene-d8 (Surr)	108	71 - 125
4-Bromofluorobenzene (Surr)	107	72 - 126

Method Blank TICs- Batch: 480-58994

Cas Number	Analyte	RT	Est. Result	Qual
	Tentatively Identified Compound		None	

Lab Control Sample - Batch: 480-58994

Method: 8260B
Preparation: N/A

Lab Sample ID:	LCS 480-58994/4	Analysis Batch:	480-58994	Instrument ID:	HP5973F
Client Matrix:	Solid	Prep Batch:	N/A	Lab File ID:	F7989.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	5 g
Analysis Date:	04/10/2012 2245	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	45.9	92	79 - 126	
1,1-Dichloroethene	50.0	42.7	85	65 - 153	
1,2-Dichlorobenzene	50.0	48.9	98	75 - 120	
1,2-Dichloroethane	50.0	43.9	88	77 - 122	
Benzene	50.0	47.9	96	79 - 127	
Chlorobenzene	50.0	51.3	103	76 - 124	
cis-1,2-Dichloroethene	50.0	48.4	97	81 - 117	
Ethylbenzene	50.0	50.0	100	80 - 120	
Methyl tert-butyl ether	50.0	42.3	85	63 - 125	
Tetrachloroethene	50.0	53.7	107	74 - 122	
Toluene	50.0	49.9	100	74 - 128	
trans-1,2-Dichloroethene	50.0	50.1	100	78 - 126	
Trichloroethene	50.0	46.9	94	77 - 129	

Surrogate	% Rec	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	94	64 - 126
Toluene-d8 (Surr)	108	71 - 125
4-Bromofluorobenzene (Surr)	109	72 - 126

Client: CHA Inc

Job Number: 480-18292-1

Method Blank - Batch: 480-59033

Method: 8260B
Preparation: N/A

Lab Sample ID:	MB 480-59033/5	Analysis Batch:	480-59033	Instrument ID:	HP5973F
Client Matrix:	Solid	Prep Batch:	N/A	Lab File ID:	F8015.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	5 g
Analysis Date:	04/11/2012 1023	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: 480-59033

Method: 8260B
Preparation: N/A

Lab Sample ID:	MB 480-59033/5	Analysis Batch:	480-59033	Instrument ID:	HP5973F
Client Matrix:	Solid	Prep Batch:	N/A	Lab File ID:	F8015.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	5 g
Analysis Date:	04/11/2012 1023	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)	91	64 - 126
Toluene-d8 (Surr)	108	71 - 125
4-Bromofluorobenzene (Surr)	106	72 - 126

Method Blank TICs- Batch: 480-59033

Cas Number	Analyte	RT	Est. Result	Qual
	Tentatively Identified Compound		None	

Lab Control Sample - Batch: 480-59033

Method: 8260B
Preparation: N/A

Lab Sample ID:	LCS 480-59033/4	Analysis Batch:	480-59033	Instrument ID:	HP5973F
Client Matrix:	Solid	Prep Batch:	N/A	Lab File ID:	F8014.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	5 g
Analysis Date:	04/11/2012 0958	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	44.9	90	79 - 126	
1,1-Dichloroethene	50.0	41.6	83	65 - 153	
1,2-Dichlorobenzene	50.0	47.5	95	75 - 120	
1,2-Dichloroethane	50.0	43.6	87	77 - 122	
Benzene	50.0	46.8	94	79 - 127	
Chlorobenzene	50.0	48.8	98	76 - 124	
cis-1,2-Dichloroethene	50.0	46.6	93	81 - 117	
Ethylbenzene	50.0	48.2	96	80 - 120	
Methyl tert-butyl ether	50.0	42.3	85	63 - 125	
Tetrachloroethene	50.0	51.9	104	74 - 122	
Toluene	50.0	48.5	97	74 - 128	
trans-1,2-Dichloroethene	50.0	48.8	98	78 - 126	
Trichloroethene	50.0	46.1	92	77 - 129	

Surrogate	% Rec	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	95	64 - 126
Toluene-d8 (Surr)	107	71 - 125
4-Bromofluorobenzene (Surr)	109	72 - 126

Client: CHA Inc

Job Number: 480-18292-1

Method Blank - Batch: 480-59441

Method: 8260B
Preparation: 5030B

Lab Sample ID:	MB 480-59441/5	Analysis Batch:	480-59441	Instrument ID:	HP5973G
Client Matrix:	Water	Prep Batch:	N/A	Lab File ID:	G11025.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	5 mL
Analysis Date:	04/13/2012 1116	Units:	ug/L	Final Weight/Volume:	5 mL
Prep Date:	04/13/2012 1116				
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

Method Blank - Batch: 480-59441

Method: 8260B
Preparation: 5030B

Lab Sample ID:	MB 480-59441/5	Analysis Batch:	480-59441	Instrument ID:	HP5973G
Client Matrix:	Water	Prep Batch:	N/A	Lab File ID:	G11025.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	5 mL
Analysis Date:	04/13/2012 1116	Units:	ug/L	Final Weight/Volume:	5 mL
Prep Date:	04/13/2012 1116				
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)	122	66 - 137
Toluene-d8 (Surr)	99	71 - 126
4-Bromofluorobenzene (Surr)	108	73 - 120

Method Blank TICs- Batch: 480-59441

Cas Number	Analyte	RT	Est. Result	Qual
	Tentatively Identified Compound		None	

Lab Control Sample - Batch: 480-59441

Method: 8260B
Preparation: 5030B

Lab Sample ID:	LCS 480-59441/4	Analysis Batch:	480-59441	Instrument ID:	HP5973G
Client Matrix:	Water	Prep Batch:	N/A	Lab File ID:	G11024.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	5 mL
Analysis Date:	04/13/2012 1053	Units:	ug/L	Final Weight/Volume:	5 mL
Prep Date:	04/13/2012 1053				
Leach Date:	N/A				

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
1,1-Dichloroethane	25.0	24.7	99	71 - 129	
1,1-Dichloroethene	25.0	17.0	68	65 - 138	
1,2-Dichlorobenzene	25.0	27.2	109	77 - 120	
1,2-Dichloroethane	25.0	28.0	112	75 - 127	
Benzene	25.0	24.3	97	71 - 124	
Chlorobenzene	25.0	24.7	99	72 - 120	
cis-1,2-Dichloroethene	25.0	24.7	99	74 - 124	
Ethylbenzene	25.0	23.4	94	77 - 123	
Methyl tert-butyl ether	25.0	28.3	113	64 - 127	
Tetrachloroethene	25.0	21.7	87	74 - 122	
Toluene	25.0	23.2	93	70 - 122	
trans-1,2-Dichloroethene	25.0	22.0	88	73 - 127	
Trichloroethene	25.0	23.3	93	74 - 123	

Surrogate	% Rec	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	117	66 - 137
Toluene-d8 (Surr)	96	71 - 126
4-Bromofluorobenzene (Surr)	106	73 - 120

Client: CHA Inc

Job Number: 480-18292-1

Method Blank - Batch: 480-58845

Method: 8270C
Preparation: 3550B

Lab Sample ID:	MB 480-58845/1-A	Analysis Batch:	480-59155	Instrument ID:	HP5973V
Client Matrix:	Solid	Prep Batch:	480-58845	Lab File ID:	V8862.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	+30.10 g
Analysis Date:	04/11/2012 2129	Units:	ug/Kg	Final Weight/Volume:	1 mL
Prep Date:	04/10/2012 0739			Injection Volume:	1 uL
Leach Date:	N/A				

Analyte	Result	Qual	MDL	RL
2,4,5-Trichlorophenol	ND		37	170
2,4,6-Trichlorophenol	ND		11	170
2,4-Dichlorophenol	ND		8.8	170
2,4-Dimethylphenol	ND		45	170
2,4-Dinitrophenol	ND		59	330
2,4-Dinitrotoluene	ND		26	170
2,6-Dinitrotoluene	ND		41	170
2-Chloronaphthalene	ND		11	170
2-Chlorophenol	ND		8.6	170
2-Methylnaphthalene	ND		2.0	170
2-Methylphenol	ND		5.2	170
2-Nitroaniline	ND		54	330
2-Nitrophenol	ND		7.7	170
3,3'-Dichlorobenzidine	ND		150	170
3-Nitroaniline	ND		39	330
4,6-Dinitro-2-methylphenol	ND		58	330
4-Bromophenyl phenyl ether	ND		54	170
4-Chloro-3-methylphenol	ND		6.9	170
4-Chloroaniline	ND		49	170
4-Chlorophenyl phenyl ether	ND		3.6	170
4-Methylphenol	ND		9.4	330
4-Nitroaniline	ND		19	330
4-Nitrophenol	ND		41	330
Acenaphthene	ND		2.0	170
Acenaphthylene	ND		1.4	170
Acetophenone	ND		8.6	170
Anthracene	ND		4.3	170
Atrazine	ND		7.5	170
Benzaldehyde	ND		18	170
Benzo(a)anthracene	ND		2.9	170
Benzo(a)pyrene	ND		4.1	170
Benzo(b)fluoranthene	ND		3.3	170
Benzo(g,h,i)perylene	ND		2.0	170
Benzo(k)fluoranthene	ND		1.9	170
Biphenyl	ND		10	170
bis (2-chloroisopropyl) ether	ND		18	170
Bis(2-chloroethoxy)methane	ND		9.2	170
Bis(2-chloroethyl)ether	ND		15	170
Bis(2-ethylhexyl) phthalate	ND		54	170
Butyl benzyl phthalate	ND		45	170
Caprolactam	ND		73	170
Carbazole	ND		1.9	170
Chrysene	ND		1.7	170
Dibenz(a,h)anthracene	ND		2.0	170
Dibenzofuran	ND		1.8	170

Client: CHA Inc

Job Number: 480-18292-1

Method Blank - Batch: 480-58845

Method: 8270C
Preparation: 3550B

Lab Sample ID:	MB 480-58845/1-A	Analysis Batch:	480-59155	Instrument ID:	HP5973V
Client Matrix:	Solid	Prep Batch:	480-58845	Lab File ID:	V8862.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	+30.10 g
Analysis Date:	04/11/2012 2129	Units:	ug/Kg	Final Weight/Volume:	1 mL
Prep Date:	04/10/2012 0739			Injection Volume:	1 uL
Leach Date:	N/A				

Analyte	Result	Qual	MDL	RL
Diethyl phthalate	ND		5.1	170
Dimethyl phthalate	ND		4.4	170
Di-n-butyl phthalate	ND		58	170
Di-n-octyl phthalate	ND		3.9	170
Fluoranthene	ND		2.4	170
Fluorene	ND		3.9	170
Hexachlorobenzene	ND		8.4	170
Hexachlorobutadiene	ND		8.6	170
Hexachlorocyclopentadiene	ND		51	170
Hexachloroethane	ND		13	170
Indeno(1,2,3-cd)pyrene	ND		4.7	170
Isophorone	ND		8.4	170
Naphthalene	ND		2.8	170
Nitrobenzene	ND		7.5	170
N-Nitrosodi-n-propylamine	ND		13	170
N-Nitrosodiphenylamine	ND		9.2	170
Pentachlorophenol	ND		58	330
Phenanthrene	ND		3.5	170
Phenol	ND		18	170
Pyrene	ND		1.1	170

Surrogate	% Rec	Acceptance Limits
2,4,6-Tribromophenol	97	39 - 146
2-Fluorobiphenyl	82	37 - 120
2-Fluorophenol	69	18 - 120
Nitrobenzene-d5	76	34 - 132
Phenol-d5	71	11 - 120
p-Terphenyl-d14	103	65 - 153

Method Blank TICs- Batch: 480-58845

Cas Number	Analyte	RT	Est. Result	Qual
	Unknown	2.24	944	T J

Client: CHA Inc

Job Number: 480-18292-1

Lab Control Sample - Batch: 480-58845

Method: 8270C
Preparation: 3550B

Lab Sample ID:	LCS 480-58845/2-A	Analysis Batch:	480-59155	Instrument ID:	HP5973V
Client Matrix:	Solid	Prep Batch:	480-58845	Lab File ID:	V8863.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	+30.60 g
Analysis Date:	04/11/2012 2154	Units:	ug/Kg	Final Weight/Volume:	1 mL
Prep Date:	04/10/2012 0739			Injection Volume:	1 uL
Leach Date:	N/A				

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
2,4-Dinitrotoluene	3270	3700	113	55 - 125	
2-Chlorophenol	3270	2600	79	38 - 120	
4-Chloro-3-methylphenol	3270	3490	107	49 - 125	
4-Nitrophenol	3270	3260	100	43 - 137	
Acenaphthene	3270	3210	98	53 - 120	
Bis(2-ethylhexyl) phthalate	3270	3680	113	61 - 133	
Fluorene	3270	3390	104	63 - 126	
Hexachloroethane	3270	2460	75	41 - 120	
N-Nitrosodi-n-propylamine	3270	3130	96	46 - 120	
Pentachlorophenol	3270	3240	99	33 - 136	
Phenol	3270	2820	86	36 - 120	
Pyrene	3270	3420	105	51 - 133	

Surrogate	% Rec	Acceptance Limits
2,4,6-Tribromophenol	115	39 - 146
2-Fluorobiphenyl	90	37 - 120
2-Fluorophenol	74	18 - 120
Nitrobenzene-d5	91	34 - 132
Phenol-d5	79	11 - 120
p-Terphenyl-d14	112	65 - 153

Client: CHA Inc

Job Number: 480-18292-1

Matrix Spike/
Matrix Spike Duplicate Recovery Report - Batch: 480-58845

Method: 8270C
Preparation: 3550B

MS Lab Sample ID:	480-18292-5	Analysis Batch:	480-59155	Instrument ID:	HP5973V
Client Matrix:	Solid	Prep Batch:	480-58845	Lab File ID:	V8864.D
Dilution:	20	Leach Batch:	N/A	Initial Weight/Volume:	+30.08 g
Analysis Date:	04/11/2012 2218			Final Weight/Volume:	1 mL
Prep Date:	04/10/2012 0739			Injection Volume:	1 uL
Leach Date:	N/A				

MSD Lab Sample ID:	480-18292-5	Analysis Batch:	480-59155	Instrument ID:	HP5973V
Client Matrix:	Solid	Prep Batch:	480-58845	Lab File ID:	V8865.D
Dilution:	20	Leach Batch:	N/A	Initial Weight/Volume:	+30.73 g
Analysis Date:	04/11/2012 2241			Final Weight/Volume:	1 mL
Prep Date:	04/10/2012 0739			Injection Volume:	1 uL
Leach Date:	N/A				

	% Rec.						
Analyte	MS	MSD	Limit	RPD	RPD Limit	MS Qual	MSD Qual
2,4-Dinitrotoluene	74	68	55 - 125	10.3	20	J	J
2-Chlorophenol	83	84	38 - 120	1.66	25	J	J
4-Chloro-3-methylphenol	103	105	49 - 125	0.000	27		
4-Nitrophenol	0	0	43 - 137	NC	25	F	F
Acenaphthene	81	99	53 - 120	17.2	35	J	J
Bis(2-ethylhexyl) phthalate	54	69	61 - 133	9.55	15	F	
Fluorene	81	95	63 - 126	13.6	15	J	J
Hexachloroethane	70	80	41 - 120	11.1	46	J	J
N-Nitrosodi-n-propylamine	82	89	46 - 120	6.07	31	J	J
Pentachlorophenol	170	0	33 - 136	NC	35	J F	F
Phenol	68	85	36 - 120	20.2	35	J	J
Pyrene	80	103	51 - 133	16.1	35		

Surrogate	MS % Rec	MSD % Rec	Acceptance Limits
2,4,6-Tribromophenol	97	96	39 - 146
2-Fluorobiphenyl	85	94	37 - 120
2-Fluorophenol	75	82	18 - 120
Nitrobenzene-d5	87	95	34 - 132
Phenol-d5	68	76	11 - 120
p-Terphenyl-d14	97	112	65 - 153

Client: CHA Inc

Job Number: 480-18292-1

Matrix Spike/
Matrix Spike Duplicate Recovery Report - Batch: 480-58845

Method: 8270C
Preparation: 3550B

MS Lab Sample ID:	480-18292-5	Units: ug/Kg	
Client Matrix:	Solid		
Dilution:	20		
Analysis Date:	04/11/2012 2218		
Prep Date:	04/10/2012 0739		
Leach Date:	N/A		

MSD Lab Sample ID:	480-18292-5
Client Matrix:	Solid
Dilution:	20
Analysis Date:	04/11/2012 2241
Prep Date:	04/10/2012 0739
Leach Date:	N/A

Analyte	Sample Result/Qual		MS Spike Amount	MSD Spike Amount	MS Result/Qual		MSD Result/Qual	
2,4-Dinitrotoluene	ND		3720	3640	2760	J	2490	J
2-Chlorophenol	ND		3720	3640	3100	J	3050	J
4-Chloro-3-methylphenol	ND		3720	3640	3830		3830	
4-Nitrophenol	ND		3720	3640	ND	F	ND	F
Acenaphthene	ND		3720	3640	3030	J	3600	J
Bis(2-ethylhexyl) phthalate	2700	J	3720	3640	4740	F	5220	
Fluorene	ND		3720	3640	3020	J	3450	J
Hexachloroethane	ND		3720	3640	2620	J	2930	J
N-Nitrosodi-n-propylamine	ND		3720	3640	3050	J	3240	J
Pentachlorophenol	ND		3720	3640	6340	J F	ND	F
Phenol	ND		3720	3640	2520	J	3080	J
Pyrene	1500	J	3720	3640	4490		5280	

Method Blank - Batch: 480-58864

Method: 8082
Preparation: 3550B

Lab Sample ID:	MB 480-58864/1-A	Analysis Batch:	480-59004	Instrument ID:	HP5890-12
Client Matrix:	Solid	Prep Batch:	480-58864	Lab File ID:	12_164_068.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	+2.49 g
Analysis Date:	04/11/2012 0738	Units:	ug/Kg	Final Weight/Volume:	10 mL
Prep Date:	04/10/2012 0838			Injection Volume:	1 uL
Leach Date:	N/A			Column ID:	PRIMARY

Analyte	Result	Qual	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	Acceptance Limits
DCB Decachlorobiphenyl	128	36 - 182
Tetrachloro-m-xylene	133	24 - 172

Surrogate	% Rec	Acceptance Limits
DCB Decachlorobiphenyl	156	36 - 182
Tetrachloro-m-xylene	141	24 - 172

Lab Control Sample - Batch: 480-58864

Method: 8082
Preparation: 3550B

Lab Sample ID:	LCS 480-58864/2-A	Analysis Batch:	480-59004	Instrument ID:	HP5890-12
Client Matrix:	Solid	Prep Batch:	480-58864	Lab File ID:	12_164_069.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	+2.04 g
Analysis Date:	04/11/2012 0752	Units:	ug/Kg	Final Weight/Volume:	10 mL
Prep Date:	04/10/2012 0838			Injection Volume:	1 uL
Leach Date:	N/A			Column ID:	PRIMARY

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
PCB-1016	2450	3230	132	51 - 185	
PCB-1260	2450	3400	139	61 - 184	

Surrogate	% Rec	Acceptance Limits
DCB Decachlorobiphenyl	144	36 - 182
Tetrachloro-m-xylene	147	24 - 172

Surrogate	% Rec	Acceptance Limits
DCB Decachlorobiphenyl	175	36 - 182
Tetrachloro-m-xylene	172	24 - 172

Client: CHA Inc

Job Number: 480-18292-1

Matrix Spike/
Matrix Spike Duplicate Recovery Report - Batch: 480-58864

Method: 8082
Preparation: 3550B

MS Lab Sample ID:	480-18292-5	Analysis Batch:	480-59004	Instrument ID:	HP5890-12
Client Matrix:	Solid	Prep Batch:	480-58864	Lab File ID:	12_164_075.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	+2.10 g
Analysis Date:	04/11/2012 0921			Final Weight/Volume:	10 mL
Prep Date:	04/10/2012 0838			Injection Volume:	1 uL
Leach Date:	N/A			Column ID:	PRIMARY

MSD Lab Sample ID:	480-18292-5	Analysis Batch:	480-59004	Instrument ID:	HP5890-12
Client Matrix:	Solid	Prep Batch:	480-58864	Lab File ID:	12_164_076.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	+2.09 g
Analysis Date:	04/11/2012 0936			Final Weight/Volume:	10 mL
Prep Date:	04/10/2012 0838			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	132	128	42 - 159	2.14	50		
PCB-1260	142	140	47 - 153	1.34	50		

Surrogate	MS % Rec	MSD % Rec	Acceptance Limits
DCB Decachlorobiphenyl	152	149	36 - 182
Tetrachloro-m-xylene	148	147	24 - 172

Surrogate	MS % Rec	MSD % Rec	Acceptance Limits
DCB Decachlorobiphenyl	175	177	36 - 182
Tetrachloro-m-xylene	172	171	24 - 172

Matrix Spike/
Matrix Spike Duplicate Recovery Report - Batch: 480-58864

Method: 8082
Preparation: 3550B

MS Lab Sample ID:	480-18292-5	Units:	ug/Kg	MSD Lab Sample ID:	480-18292-5
Client Matrix:	Solid			Client Matrix:	Solid
Dilution:	1.0			Dilution:	1.0
Analysis Date:	04/11/2012 0921			Analysis Date:	04/11/2012 0936
Prep Date:	04/10/2012 0838			Prep Date:	04/10/2012 0838
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	2670	2680	3510	3440
PCB-1260	ND	2670	2680	3800	3750

Client: CHA Inc

Job Number: 480-18292-1

Method Blank - Batch: 480-58875

Method: 6010B
Preparation: 3050B

Lab Sample ID:	MB 480-58875/1-A	Analysis Batch:	480-59065	Instrument ID:	ICAP1
Client Matrix:	Solid	Prep Batch:	480-58875	Lab File ID:	I1041012A-7.asc
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	+0.4511 g
Analysis Date:	04/10/2012 2311	Units:	mg/Kg	Final Weight/Volume:	50 mL
Prep Date:	04/10/2012 1010				
Leach Date:	N/A				

Analyte	Result	Qual	MDL	RL
Aluminum	ND		4.9	11.1
Antimony	0.909	J	0.60	16.6
Arsenic	ND		0.44	2.2
Barium	ND		0.12	0.55
Beryllium	ND		0.031	0.22
Cadmium	0.0333	J	0.033	0.22
Calcium	4.73	J	3.7	55.4
Chromium	ND		0.22	0.55
Cobalt	ND		0.055	0.55
Copper	ND		0.23	1.1
Iron	ND		1.2	11.1
Lead	ND		0.27	1.1
Magnesium	ND		1.0	22.2
Manganese	0.0355	J	0.035	0.22
Nickel	ND		0.25	5.5
Potassium	ND		22.2	33.3
Selenium	ND		0.63	4.4
Silver	ND		0.22	0.55
Sodium	ND		14.4	155
Thallium	ND		0.33	6.7
Vanadium	ND		0.12	0.55
Zinc	ND		0.17	2.2

Client: CHA Inc

Job Number: 480-18292-1

LCS-Certified Reference Material - Batch: 480-58875

Method: 6010B
Preparation: 3050B

Lab Sample ID:	LCSSRM 480-58875/2-A	Analysis Batch:	480-59065	Instrument ID:	ICAP1
Client Matrix:	Solid	Prep Batch:	480-58875	Lab File ID:	I1041012A-7.asc
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	+0.5007 g
Analysis Date:	04/10/2012 2313	Units:	mg/Kg	Final Weight/Volume:	50 mL
Prep Date:	04/10/2012 1010				
Leach Date:	N/A				

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
Aluminum	8380	6972	83	41 - 160	
Antimony	106	102.2	97	25 - 275	
Arsenic	109	112.5	103	70 - 134	
Barium	206	192.9	94	73 - 127	
Beryllium	88.1	89.64	102	74 - 126	
Cadmium	80.1	84.36	105	73 - 127	
Calcium	6690	6184	92	74 - 126	
Chromium	117	113.3	97	70 - 130	
Cobalt	127	133.9	106	74 - 125	
Copper	117	122.1	104	75 - 125	
Iron	12300	10090	82	31 - 170	
Lead	76.1	78.79	104	69 - 131	
Magnesium	2640	2527	96	64 - 136	
Manganese	350	347.6	99	75 - 125	
Nickel	71.1	74.96	105	71 - 129	
Potassium	2960	2851	96	63 - 138	
Selenium	127	133.9	106	67 - 134	
Silver	40.9	39.38	96	66 - 134	
Sodium	359	352.9	98	44 - 156	
Thallium	266	286.1	108	70 - 130	
Vanadium	86.0	82.64	96	63 - 137	
Zinc	280	261.6	94	71 - 129	

Client: CHA Inc

Job Number: 480-18292-1

Post Digestion Spike - Batch: 480-58875

Method: 6010B
Preparation: 3050B

Lab Sample ID:	480-18292-5	Analysis Batch:	480-59065	Instrument ID:	ICAP1
Client Matrix:	Solid	Prep Batch:	480-58875	Lab File ID:	I1041012A-7.asc
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	+0.5362 g
Analysis Date:	04/10/2012 2334	Units:	mg/Kg	Final Weight/Volume:	50 mL
Prep Date:	04/10/2012 1010				
Leach Date:	N/A				

Analyte	Sample Result/Qual	Spike Amount	Result	% Rec.	Limit	Qual
Aluminum	4270	2090	6040	85	75 - 125	
Antimony	0.84 J	41.8	40.95	96	75 - 125	
Arsenic	9.5	41.8	48.74	94	75 - 125	
Barium	72.2	41.8	107.1	83	75 - 125	
Beryllium	0.30	41.8	40.22	96	75 - 125	
Cadmium	0.30	41.8	41.29	98	75 - 125	
Calcium	13400	2090	14470	52	75 - 125	W
Chromium	9.5	41.8	46.74	89	75 - 125	
Cobalt	3.2	41.8	42.71	95	75 - 125	
Copper	34.8	41.8	74.21	94	75 - 125	
Iron	14600	2090	15650	53	75 - 125	W
Lead	81.1	41.8	116.9	86	75 - 125	
Magnesium	4100	2090	5800	81	75 - 125	
Manganese	204	41.8	230.7	64	75 - 125	W
Nickel	13.5	41.8	51.80	92	75 - 125	
Potassium	673	2090	2618	93	75 - 125	
Selenium	ND	41.8	40.48	97	75 - 125	
Silver	ND	10.4	9.38	90	75 - 125	
Sodium	160	2090	2112	93	75 - 125	
Thallium	ND	41.8	40.17	96	75 - 125	
Vanadium	14.9	41.8	51.99	89	75 - 125	
Zinc	58.6	41.8	92.32	81	75 - 125	

Client: CHA Inc

Job Number: 480-18292-1

Matrix Spike/
Matrix Spike Duplicate Recovery Report - Batch: 480-58875

Method: 6010B
Preparation: 3050B

MS Lab Sample ID:	480-18292-5	Analysis Batch:	480-59065	Instrument ID:	ICAP1
Client Matrix:	Solid	Prep Batch:	480-58875	Lab File ID:	I1041012A-7.asc
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	+0.5292 g
Analysis Date:	04/10/2012 2337			Final Weight/Volume:	50 mL
Prep Date:	04/10/2012 1010				
Leach Date:	N/A				

MSD Lab Sample ID:	480-18292-5	Analysis Batch:	480-59065	Instrument ID:	ICAP1
Client Matrix:	Solid	Prep Batch:	480-58875	Lab File ID:	I1041012A-7.asc
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	+0.4986 g
Analysis Date:	04/10/2012 2339			Final Weight/Volume:	50 mL
Prep Date:	04/10/2012 1010				
Leach Date:	N/A				

	% Rec.						
Analyte	MS	MSD	Limit	RPD	RPD Limit	MS Qual	MSD Qual
Aluminum	215	255	75 - 125	12.5	20	F	F
Antimony	90	89	75 - 125	5.09	20		
Arsenic	98	97	75 - 125	4.12	20		
Barium	116	146	75 - 125	12.5	20		F
Beryllium	97	96	75 - 125	5.21	20		
Cadmium	101	98	75 - 125	3.59	20		
Calcium	255	138	75 - 125	13.1	20	4	4
Chromium	100	97	75 - 125	2.07	20		
Cobalt	99	98	75 - 125	4.87	20		
Copper	103	101	75 - 125	2.51	20		
Iron	96	129	75 - 125	5.09	20	4	4
Lead	89	93	75 - 125	3.40	20		
Magnesium	265	92	75 - 125	44.8	20	F	F
Manganese	107	139	75 - 125	6.74	20	4	4
Nickel	100	103	75 - 125	6.38	20		
Potassium	113	112	75 - 125	3.93	20		
Selenium	97	94	75 - 125	3.22	20		
Silver	91	91	75 - 125	6.03	20		
Sodium	97	98	75 - 125	6.60	20		
Thallium	98	96	75 - 125	4.50	20		
Vanadium	100	103	75 - 125	6.27	20		
Zinc	103	85	75 - 125	5.71	20		

Client: CHA Inc

Job Number: 480-18292-1

Matrix Spike/
Matrix Spike Duplicate Recovery Report - Batch: 480-58875

Method: 6010B
Preparation: 3050B

MS Lab Sample ID:	480-18292-5	Units: mg/Kg	
Client Matrix:	Solid		
Dilution:	1.0		
Analysis Date:	04/10/2012 2337		
Prep Date:	04/10/2012 1010		
Leach Date:	N/A		

MSD Lab Sample ID:	480-18292-5
Client Matrix:	Solid
Dilution:	1.0
Analysis Date:	04/10/2012 2339
Prep Date:	04/10/2012 1010
Leach Date:	N/A

Analyte	Sample Result/Qual		MS Spike Amount	MSD Spike Amount	MS Result/Qual		MSD Result/Qual	
Aluminum	4270		2120	2250	8822	F	9996	F
Antimony	0.84	J	42.3	44.9	38.73		40.75	
Arsenic	9.5		42.3	44.9	50.88		53.02	
Barium	72.2		42.3	44.9	121.5		137.6	F
Beryllium	0.30		42.3	44.9	41.43		43.65	
Cadmium	0.30		42.3	44.9	42.95		44.52	
Calcium	13400		2120	2250	18790	4	16480	4
Chromium	9.5		42.3	44.9	51.93		53.02	
Cobalt	3.2		42.3	44.9	44.97		47.22	
Copper	34.8		42.3	44.9	78.30		80.29	
Iron	14600		2120	2250	16580	4	17440	4
Lead	81.1		42.3	44.9	118.9		123.0	
Magnesium	4100		2120	2250	9709	F	6157	F
Manganese	204		42.3	44.9	248.9	4	266.2	4
Nickel	13.5		42.3	44.9	55.94		59.63	
Potassium	673		2120	2250	3070		3193	
Selenium	ND		42.3	44.9	41.03		42.37	
Silver	ND		10.6	11.2	9.63		10.23	
Sodium	160		2120	2250	2221		2372	
Thallium	ND		42.3	44.9	41.35		43.25	
Vanadium	14.9		42.3	44.9	57.38		61.09	
Zinc	58.6		42.3	44.9	102.3		96.59	

Client: CHA Inc

Job Number: 480-18292-1

Serial Dilution - Batch: 480-58875

Method: 6010B
Preparation: 3050B

Lab Sample ID:	480-18292-5	Analysis Batch:	480-59065	Instrument ID:	ICAP1
Client Matrix:	Solid	Prep Batch:	480-58875	Lab File ID:	I1041012A-7.asc
Dilution:	5.0	Leach Batch:	N/A	Initial Weight/Volume:	+0.5362 g
Analysis Date:	04/10/2012 2332	Units:	mg/Kg	Final Weight/Volume:	50 mL
Prep Date:	04/10/2012 1010				
Leach Date:	N/A				

Analyte	Sample Result/Qual		Result	%Diff	Limit	Qual
Aluminum	4270		4378	2.6	10	
Antimony	0.84	J	ND	NC	10	
Arsenic	9.5		10.39	NC	10	J
Barium	72.2		75.57	4.6	10	
Beryllium	0.30		0.282	NC	10	J
Cadmium	0.30		0.386	NC	10	J
Calcium	13400		13770	2.9	10	
Chromium	9.5		9.85	4.2	10	
Cobalt	3.2		3.12	1.3	10	
Copper	34.8		34.95	0.48	10	
Iron	14600		15610	7.2	10	
Lead	81.1		80.33	1.0	10	
Magnesium	4100		4196	2.3	10	
Manganese	204		211.4	3.8	10	
Nickel	13.5		13.89	2.6	10	J
Potassium	673		700.8	4.2	10	
Selenium	ND		ND	NC	10	
Silver	ND		ND	NC	10	
Sodium	160		161.4	NC	10	J
Thallium	ND		ND	NC	10	
Vanadium	14.9		15.01	0.52	10	
Zinc	58.6		60.67	3.5	10	

Method Blank - Batch: 480-58653

Method: 7471A
Preparation: 7471A

Lab Sample ID:	MB 480-58653/1-A	Analysis Batch:	480-58742	Instrument ID:	LEEMAN3
Client Matrix:	Solid	Prep Batch:	480-58653	Lab File ID:	J04092S1.PRN
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	+0.5559 g
Analysis Date:	04/09/2012 1114	Units:	mg/Kg	Final Weight/Volume:	50 mL
Prep Date:	04/09/2012 0840				
Leach Date:	N/A				

Analyte	Result	Qual	MDL	RL
Hg	ND		0.0087	0.022

LCS-Certified Reference Material - Batch: 480-58653

Method: 7471A
Preparation: 7471A

Lab Sample ID:	LCSSRM 480-58653/2-A	Analysis Batch:	480-58742	Instrument ID:	LEEMAN3
Client Matrix:	Solid	Prep Batch:	480-58653	Lab File ID:	J04092S1.PRN
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	+0.0558 g
Analysis Date:	04/09/2012 1115	Units:	mg/Kg	Final Weight/Volume:	50 mL
Prep Date:	04/09/2012 0840				
Leach Date:	N/A				

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
Hg	3.77	4.53	120	51 - 149	

Matrix Spike/
Matrix Spike Duplicate Recovery Report - Batch: 480-58653

Method: 7471A
Preparation: 7471A

MS Lab Sample ID:	480-18292-5	Analysis Batch:	480-58742	Instrument ID:	LEEMAN3
Client Matrix:	Solid	Prep Batch:	480-58653	Lab File ID:	J04092S1.PRN
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	+0.5732 g
Analysis Date:	04/09/2012 1127			Final Weight/Volume:	50 mL
Prep Date:	04/09/2012 0840				
Leach Date:	N/A				

MSD Lab Sample ID:	480-18292-5	Analysis Batch:	480-58742	Instrument ID:	LEEMAN3
Client Matrix:	Solid	Prep Batch:	480-58653	Lab File ID:	J04092S1.PRN
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	+0.5915 g
Analysis Date:	04/09/2012 1128			Final Weight/Volume:	50 mL
Prep Date:	04/09/2012 0840				
Leach Date:	N/A				

	% Rec.						
Analyte	MS	MSD	Limit	RPD	RPD Limit	MS Qual	MSD Qual
Hg	71	64	75 - 125	6.70	20	F	F

Client: CHA Inc

Job Number: 480-18292-1

Matrix Spike/
Matrix Spike Duplicate Recovery Report - Batch: 480-58653

Method: 7471A
Preparation: 7471A

MS Lab Sample ID:	480-18292-5	Units: mg/Kg	MSD Lab Sample ID:	480-18292-5	
Client Matrix:	Solid		Client Matrix:	Solid	
Dilution:	1.0		Dilution:	1.0	
Analysis Date:	04/09/2012 1127		Analysis Date:	04/09/2012 1128	
Prep Date:	04/09/2012 0840		Prep Date:	04/09/2012 0840	
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	0.28	0.391	0.379	0.559	F	0.523	F

Serial Dilution - Batch: 480-58653

Method: 7471A
Preparation: 7471A

Lab Sample ID:	480-18292-5	Analysis Batch:	480-58742	Instrument ID:	LEEMAN3
Client Matrix:	Solid	Prep Batch:	480-58653	Lab File ID:	J04092S1.PRN
Dilution:	5.0	Leach Batch:	N/A	Initial Weight/Volume:	+0.5902 g
Analysis Date:	04/09/2012 1125	Units:	mg/Kg	Final Weight/Volume:	50 mL
Prep Date:	04/09/2012 0840				
Leach Date:	N/A				

Analyte	Sample Result/Qual	Result	%Diff	Limit	Qual
Hg	0.28	0.250	11	10	V

DATA REPORTING QUALIFIERS

Lab Section	Qualifier	Description

Client: CHA Inc

Job Number: 480-18292-1

QC Association Summary

Lab Sample ID	Client Sample ID	Report Basis	Client Matrix	Method	Prep Batch
GC/MS VOA					
Prep Batch: 480-58917					
480-18292-1	RB-10 (6-12")	T	Solid	5035	
480-18292-2	RB-10 (12-24")	T	Solid	5035	
480-18292-3	RB-11 (0-6")	T	Solid	5035	
480-18292-4	RB-12 (0-6")	T	Solid	5035	
480-18292-5	RB-01 (0-6")	T	Solid	5035	
480-18292-5MS	Matrix Spike	T	Solid	5035	
480-18292-5MSD	Matrix Spike Duplicate	T	Solid	5035	
480-18292-6	RB-01 (6-12")	T	Solid	5035	
480-18292-7	RB-01 (12-24")	T	Solid	5035	
480-18292-8	RB-02 (0-6")	T	Solid	5035	
480-18292-9	RB-02 (6-12")	T	Solid	5035	
480-18292-10	RB-02 (12-24")	T	Solid	5035	
480-18292-11	DUP-03	T	Solid	5035	
Analysis Batch:480-58994					
LCS 480-58994/4	Lab Control Sample	T	Solid	8260B	
MB 480-58994/5	Method Blank	T	Solid	8260B	
480-18292-1	RB-10 (6-12")	T	Solid	8260B	480-58917
480-18292-2	RB-10 (12-24")	T	Solid	8260B	480-58917
480-18292-3	RB-11 (0-6")	T	Solid	8260B	480-58917
480-18292-4	RB-12 (0-6")	T	Solid	8260B	480-58917
480-18292-6	RB-01 (6-12")	T	Solid	8260B	480-58917
480-18292-7	RB-01 (12-24")	T	Solid	8260B	480-58917
Analysis Batch:480-59033					
LCS 480-59033/4	Lab Control Sample	T	Solid	8260B	
MB 480-59033/5	Method Blank	T	Solid	8260B	
480-18292-5	RB-01 (0-6")	T	Solid	8260B	480-58917
480-18292-5MS	Matrix Spike	T	Solid	8260B	480-58917
480-18292-5MSD	Matrix Spike Duplicate	T	Solid	8260B	480-58917
480-18292-8	RB-02 (0-6")	T	Solid	8260B	480-58917
480-18292-9	RB-02 (6-12")	T	Solid	8260B	480-58917
480-18292-10	RB-02 (12-24")	T	Solid	8260B	480-58917
480-18292-11	DUP-03	T	Solid	8260B	480-58917
Analysis Batch:480-59441					
LCS 480-59441/4	Lab Control Sample	T	Water	8260B	
MB 480-59441/5	Method Blank	T	Water	8260B	
480-18292-12	TRIP BLANK	T	Water	8260B	

Report Basis

T = Total

Client: CHA Inc

Job Number: 480-18292-1

QC Association Summary

Lab Sample ID	Client Sample ID	Report Basis	Client Matrix	Method	Prep Batch
GC/MS Semi VOA					
Prep Batch: 480-58845					
LCS 480-58845/2-A	Lab Control Sample	T	Solid	3550B	
MB 480-58845/1-A	Method Blank	T	Solid	3550B	
480-18292-1	RB-10 (6-12")	T	Solid	3550B	
480-18292-2	RB-10 (12-24")	T	Solid	3550B	
480-18292-3	RB-11 (0-6")	T	Solid	3550B	
480-18292-4	RB-12 (0-6")	T	Solid	3550B	
480-18292-5	RB-01 (0-6")	T	Solid	3550B	
480-18292-5MS	Matrix Spike	T	Solid	3550B	
480-18292-5MSD	Matrix Spike Duplicate	T	Solid	3550B	
480-18292-6	RB-01 (6-12")	T	Solid	3550B	
480-18292-7	RB-01 (12-24")	T	Solid	3550B	
480-18292-8	RB-02 (0-6")	T	Solid	3550B	
480-18292-9	RB-02 (6-12")	T	Solid	3550B	
480-18292-10	RB-02 (12-24")	T	Solid	3550B	
480-18292-11	DUP-03	T	Solid	3550B	
Analysis Batch:480-59155					
LCS 480-58845/2-A	Lab Control Sample	T	Solid	8270C	480-58845
MB 480-58845/1-A	Method Blank	T	Solid	8270C	480-58845
480-18292-1	RB-10 (6-12")	T	Solid	8270C	480-58845
480-18292-2	RB-10 (12-24")	T	Solid	8270C	480-58845
480-18292-3	RB-11 (0-6")	T	Solid	8270C	480-58845
480-18292-4	RB-12 (0-6")	T	Solid	8270C	480-58845
480-18292-5	RB-01 (0-6")	T	Solid	8270C	480-58845
480-18292-5MS	Matrix Spike	T	Solid	8270C	480-58845
480-18292-5MSD	Matrix Spike Duplicate	T	Solid	8270C	480-58845
480-18292-6	RB-01 (6-12")	T	Solid	8270C	480-58845
480-18292-7	RB-01 (12-24")	T	Solid	8270C	480-58845
480-18292-8	RB-02 (0-6")	T	Solid	8270C	480-58845
480-18292-9	RB-02 (6-12")	T	Solid	8270C	480-58845
480-18292-10	RB-02 (12-24")	T	Solid	8270C	480-58845
480-18292-11	DUP-03	T	Solid	8270C	480-58845

Report Basis

T = Total

Client: CHA Inc

Job Number: 480-18292-1

QC Association Summary

Lab Sample ID	Client Sample ID	Report Basis	Client Matrix	Method	Prep Batch
GC Semi VOA					
Prep Batch: 480-58864					
LCS 480-58864/2-A	Lab Control Sample	T	Solid	3550B	
MB 480-58864/1-A	Method Blank	T	Solid	3550B	
480-18292-1	RB-10 (6-12")	T	Solid	3550B	
480-18292-2	RB-10 (12-24")	T	Solid	3550B	
480-18292-3	RB-11 (0-6")	T	Solid	3550B	
480-18292-4	RB-12 (0-6")	T	Solid	3550B	
480-18292-5	RB-01 (0-6")	T	Solid	3550B	
480-18292-5MS	Matrix Spike	T	Solid	3550B	
480-18292-5MSD	Matrix Spike Duplicate	T	Solid	3550B	
480-18292-6	RB-01 (6-12")	T	Solid	3550B	
480-18292-7	RB-01 (12-24")	T	Solid	3550B	
480-18292-8	RB-02 (0-6")	T	Solid	3550B	
480-18292-9	RB-02 (6-12")	T	Solid	3550B	
480-18292-10	RB-02 (12-24")	T	Solid	3550B	
480-18292-11	DUP-03	T	Solid	3550B	
Analysis Batch:480-59004					
LCS 480-58864/2-A	Lab Control Sample	T	Solid	8082	480-58864
MB 480-58864/1-A	Method Blank	T	Solid	8082	480-58864
480-18292-1	RB-10 (6-12")	T	Solid	8082	480-58864
480-18292-2	RB-10 (12-24")	T	Solid	8082	480-58864
480-18292-3	RB-11 (0-6")	T	Solid	8082	480-58864
480-18292-4	RB-12 (0-6")	T	Solid	8082	480-58864
480-18292-5	RB-01 (0-6")	T	Solid	8082	480-58864
480-18292-5MS	Matrix Spike	T	Solid	8082	480-58864
480-18292-5MSD	Matrix Spike Duplicate	T	Solid	8082	480-58864
480-18292-6	RB-01 (6-12")	T	Solid	8082	480-58864
480-18292-7	RB-01 (12-24")	T	Solid	8082	480-58864
480-18292-8	RB-02 (0-6")	T	Solid	8082	480-58864
480-18292-9	RB-02 (6-12")	T	Solid	8082	480-58864
480-18292-10	RB-02 (12-24")	T	Solid	8082	480-58864
480-18292-11	DUP-03	T	Solid	8082	480-58864

Report Basis

T = Total

Client: CHA Inc

Job Number: 480-18292-1

QC Association Summary

Lab Sample ID	Client Sample ID	Report Basis	Client Matrix	Method	Prep Batch
Metals					
Prep Batch: 480-58653					
LCSSRM 480-58653/2-A	LCS-Certified Reference Material	T	Solid	7471A	
MB 480-58653/1-A	Method Blank	T	Solid	7471A	
480-18292-1	RB-10 (6-12")	T	Solid	7471A	
480-18292-2	RB-10 (12-24")	T	Solid	7471A	
480-18292-3	RB-11 (0-6")	T	Solid	7471A	
480-18292-4	RB-12 (0-6")	T	Solid	7471A	
480-18292-5	RB-01 (0-6")	T	Solid	7471A	
480-18292-5MS	Matrix Spike	T	Solid	7471A	
480-18292-5MSD	Matrix Spike Duplicate	T	Solid	7471A	
480-18292-6	RB-01 (6-12")	T	Solid	7471A	
480-18292-7	RB-01 (12-24")	T	Solid	7471A	
480-18292-8	RB-02 (0-6")	T	Solid	7471A	
480-18292-9	RB-02 (6-12")	T	Solid	7471A	
480-18292-10	RB-02 (12-24")	T	Solid	7471A	
480-18292-11	DUP-03	T	Solid	7471A	
Analysis Batch:480-58742					
LCSSRM 480-58653/2-A	LCS-Certified Reference Material	T	Solid	7471A	480-58653
MB 480-58653/1-A	Method Blank	T	Solid	7471A	480-58653
480-18292-1	RB-10 (6-12")	T	Solid	7471A	480-58653
480-18292-2	RB-10 (12-24")	T	Solid	7471A	480-58653
480-18292-3	RB-11 (0-6")	T	Solid	7471A	480-58653
480-18292-4	RB-12 (0-6")	T	Solid	7471A	480-58653
480-18292-5	RB-01 (0-6")	T	Solid	7471A	480-58653
480-18292-5MS	Matrix Spike	T	Solid	7471A	480-58653
480-18292-5MSD	Matrix Spike Duplicate	T	Solid	7471A	480-58653
480-18292-6	RB-01 (6-12")	T	Solid	7471A	480-58653
480-18292-7	RB-01 (12-24")	T	Solid	7471A	480-58653
480-18292-8	RB-02 (0-6")	T	Solid	7471A	480-58653
480-18292-9	RB-02 (6-12")	T	Solid	7471A	480-58653
480-18292-10	RB-02 (12-24")	T	Solid	7471A	480-58653
480-18292-11	DUP-03	T	Solid	7471A	480-58653

Client: CHA Inc

Job Number: 480-18292-1

QC Association Summary

Lab Sample ID	Client Sample ID	Report Basis	Client Matrix	Method	Prep Batch
Metals					
Prep Batch: 480-58875					
LCSSRM 480-58875/2-A	LCS-Certified Reference Material	T	Solid	3050B	
MB 480-58875/1-A	Method Blank	T	Solid	3050B	
480-18292-1	RB-10 (6-12")	T	Solid	3050B	
480-18292-2	RB-10 (12-24")	T	Solid	3050B	
480-18292-3	RB-11 (0-6")	T	Solid	3050B	
480-18292-4	RB-12 (0-6")	T	Solid	3050B	
480-18292-5	RB-01 (0-6")	T	Solid	3050B	
480-18292-5MS	Matrix Spike	T	Solid	3050B	
480-18292-5MSD	Matrix Spike Duplicate	T	Solid	3050B	
480-18292-6	RB-01 (6-12")	T	Solid	3050B	
480-18292-7	RB-01 (12-24")	T	Solid	3050B	
480-18292-8	RB-02 (0-6")	T	Solid	3050B	
480-18292-9	RB-02 (6-12")	T	Solid	3050B	
480-18292-10	RB-02 (12-24")	T	Solid	3050B	
480-18292-11	DUP-03	T	Solid	3050B	
Analysis Batch:480-59065					
LCSSRM 480-58875/2-A	LCS-Certified Reference Material	T	Solid	6010B	480-58875
MB 480-58875/1-A	Method Blank	T	Solid	6010B	480-58875
480-18292-1	RB-10 (6-12")	T	Solid	6010B	480-58875
480-18292-2	RB-10 (12-24")	T	Solid	6010B	480-58875
480-18292-3	RB-11 (0-6")	T	Solid	6010B	480-58875
480-18292-4	RB-12 (0-6")	T	Solid	6010B	480-58875
480-18292-5	RB-01 (0-6")	T	Solid	6010B	480-58875
480-18292-5MS	Matrix Spike	T	Solid	6010B	480-58875
480-18292-5MSD	Matrix Spike Duplicate	T	Solid	6010B	480-58875
480-18292-6	RB-01 (6-12")	T	Solid	6010B	480-58875
480-18292-7	RB-01 (12-24")	T	Solid	6010B	480-58875
480-18292-8	RB-02 (0-6")	T	Solid	6010B	480-58875
480-18292-9	RB-02 (6-12")	T	Solid	6010B	480-58875
480-18292-10	RB-02 (12-24")	T	Solid	6010B	480-58875
480-18292-11	DUP-03	T	Solid	6010B	480-58875
Analysis Batch:480-59415					
480-18292-3	RB-11 (0-6")	T	Solid	6010B	480-58875

Report Basis

T = Total

Client: CHA Inc

Job Number: 480-18292-1

QC Association Summary

Lab Sample ID	Client Sample ID	Report Basis	Client Matrix	Method	Prep Batch
General Chemistry					
Analysis Batch:480-58736					
480-18292-1	RB-10 (6-12")	T	Solid	Moisture	
480-18292-2	RB-10 (12-24")	T	Solid	Moisture	
480-18292-3	RB-11 (0-6")	T	Solid	Moisture	
480-18292-4	RB-12 (0-6")	T	Solid	Moisture	
480-18292-5	RB-01 (0-6")	T	Solid	Moisture	
480-18292-5MS	Matrix Spike	T	Solid	Moisture	
480-18292-5MSD	Matrix Spike Duplicate	T	Solid	Moisture	
480-18292-6	RB-01 (6-12")	T	Solid	Moisture	
480-18292-7	RB-01 (12-24")	T	Solid	Moisture	
480-18292-8	RB-02 (0-6")	T	Solid	Moisture	
480-18292-9	RB-02 (6-12")	T	Solid	Moisture	
480-18292-10	RB-02 (12-24")	T	Solid	Moisture	
480-18292-11	DUP-03	T	Solid	Moisture	

Report Basis

T = Total

Client: CHA Inc

Job Number: 480-18292-1

Laboratory Chronicle

Lab ID: 480-18292-1 **Client ID:** RB-10 (6-12")

Sample Date/Time: 04/05/2012 15:20 Received Date/Time: 04/07/2012 09:00

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:5035	480-18292-F-1-A		480-58994	480-58917	04/10/2012 11:50	1	TAL BUF	JMB
A:8260B	480-18292-F-1-A		480-58994	480-58917	04/11/2012 06:05	1	TAL BUF	JMB
P:3550B	480-18292-C-1-B		480-59155	480-58845	04/10/2012 07:39	10	TAL BUF	MZ
A:8270C	480-18292-C-1-B		480-59155	480-58845	04/11/2012 23:05	10	TAL BUF	HTL
P:3550B	480-18292-C-1-C		480-59004	480-58864	04/10/2012 08:38	1	TAL BUF	MZ
A:8082	480-18292-C-1-C		480-59004	480-58864	04/11/2012 08:07	1	TAL BUF	DB
P:3050B	480-18292-A-1-A		480-59065	480-58875	04/10/2012 10:10	1	TAL BUF	SS
A:6010B	480-18292-A-1-A		480-59065	480-58875	04/10/2012 23:16	1	TAL BUF	MM
P:7471A	480-18292-C-1-A		480-58742	480-58653	04/09/2012 08:40	1	TAL BUF	JM
A:7471A	480-18292-C-1-A		480-58742	480-58653	04/09/2012 11:17	1	TAL BUF	JM
A:Moisture	480-18292-A-1		480-58736		04/09/2012 11:40	1	TAL BUF	ZR

Lab ID: 480-18292-2 **Client ID:** RB-10 (12-24")

Sample Date/Time: 04/05/2012 15:30 Received Date/Time: 04/07/2012 09:00

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:5035	480-18292-F-2-A		480-58994	480-58917	04/10/2012 11:50	1	TAL BUF	JMB
A:8260B	480-18292-F-2-A		480-58994	480-58917	04/11/2012 06:30	1	TAL BUF	JMB
P:3550B	480-18292-C-2-B		480-59155	480-58845	04/10/2012 07:39	10	TAL BUF	MZ
A:8270C	480-18292-C-2-B		480-59155	480-58845	04/11/2012 23:29	10	TAL BUF	HTL
P:3550B	480-18292-C-2-C		480-59004	480-58864	04/10/2012 08:38	1	TAL BUF	MZ
A:8082	480-18292-C-2-C		480-59004	480-58864	04/11/2012 08:22	1	TAL BUF	DB
P:3050B	480-18292-A-2-A		480-59065	480-58875	04/10/2012 10:10	1	TAL BUF	SS
A:6010B	480-18292-A-2-A		480-59065	480-58875	04/10/2012 23:23	1	TAL BUF	MM
P:7471A	480-18292-C-2-A		480-58742	480-58653	04/09/2012 08:40	1	TAL BUF	JM
A:7471A	480-18292-C-2-A		480-58742	480-58653	04/09/2012 11:18	1	TAL BUF	JM
A:Moisture	480-18292-A-2		480-58736		04/09/2012 11:40	1	TAL BUF	ZR

Client: CHA Inc

Job Number: 480-18292-1

Laboratory Chronicle

Lab ID: 480-18292-3 **Client ID:** RB-11 (0-6")

Sample Date/Time: 04/05/2012 17:00 Received Date/Time: 04/07/2012 09:00

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:5035	480-18292-F-3-A		480-58994	480-58917	04/10/2012 11:50	1	TAL BUF	JMB
A:8260B	480-18292-F-3-A		480-58994	480-58917	04/11/2012 06:56	1	TAL BUF	JMB
P:3550B	480-18292-B-3-A		480-59155	480-58845	04/10/2012 07:39	10	TAL BUF	MZ
A:8270C	480-18292-B-3-A		480-59155	480-58845	04/11/2012 23:53	10	TAL BUF	HTL
P:3550B	480-18292-B-3-B		480-59004	480-58864	04/10/2012 08:38	1	TAL BUF	MZ
A:8082	480-18292-B-3-B		480-59004	480-58864	04/11/2012 08:37	1	TAL BUF	DB
P:3050B	480-18292-A-3-A		480-59065	480-58875	04/10/2012 10:10	1	TAL BUF	SS
A:6010B	480-18292-A-3-A		480-59065	480-58875	04/10/2012 23:25	1	TAL BUF	MM
P:3050B	480-18292-A-3-A		480-59415	480-58875	04/10/2012 10:10	1	TAL BUF	SS
A:6010B	480-18292-A-3-A		480-59415	480-58875	04/12/2012 15:41	1	TAL BUF	MM
P:7471A	480-18292-C-3-A		480-58742	480-58653	04/09/2012 08:40	1	TAL BUF	JM
A:7471A	480-18292-C-3-A		480-58742	480-58653	04/09/2012 11:19	1	TAL BUF	JM
A:Moisture	480-18292-A-3		480-58736		04/09/2012 11:40	1	TAL BUF	ZR

Lab ID: 480-18292-4 **Client ID:** RB-12 (0-6")

Sample Date/Time: 04/05/2012 17:10 Received Date/Time: 04/07/2012 09:00

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:5035	480-18292-G-4-A		480-58994	480-58917	04/10/2012 11:50	1	TAL BUF	JMB
A:8260B	480-18292-G-4-A		480-58994	480-58917	04/11/2012 07:21	1	TAL BUF	JMB
P:3550B	480-18292-B-4-A		480-59155	480-58845	04/10/2012 07:39	20	TAL BUF	MZ
A:8270C	480-18292-B-4-A		480-59155	480-58845	04/12/2012 00:17	20	TAL BUF	HTL
P:3550B	480-18292-B-4-B		480-59004	480-58864	04/10/2012 08:38	1	TAL BUF	MZ
A:8082	480-18292-B-4-B		480-59004	480-58864	04/11/2012 08:51	1	TAL BUF	DB
P:3050B	480-18292-A-4-A		480-59065	480-58875	04/10/2012 10:10	1	TAL BUF	SS
A:6010B	480-18292-A-4-A		480-59065	480-58875	04/10/2012 23:28	1	TAL BUF	MM
P:7471A	480-18292-C-4-A		480-58742	480-58653	04/09/2012 08:40	1	TAL BUF	JM
A:7471A	480-18292-C-4-A		480-58742	480-58653	04/09/2012 11:21	1	TAL BUF	JM
A:Moisture	480-18292-A-4		480-58736		04/09/2012 11:40	1	TAL BUF	ZR

Client: CHA Inc

Job Number: 480-18292-1

Laboratory Chronicle

Lab ID: 480-18292-5 **Client ID:** RB-01 (0-6")

Sample Date/Time: 04/05/2012 15:45 Received Date/Time: 04/07/2012 09:00

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:5035	480-18292-G-5-A		480-59033	480-58917	04/10/2012 11:50	1	TAL BUF	JMB
A:8260B	480-18292-G-5-A		480-59033	480-58917	04/11/2012 11:02	1	TAL BUF	CDC
P:3550B	480-18292-C-5-D		480-59155	480-58845	04/10/2012 07:39	20	TAL BUF	MZ
A:8270C	480-18292-C-5-D		480-59155	480-58845	04/12/2012 00:42	20	TAL BUF	HTL
P:3550B	480-18292-C-5-E		480-59004	480-58864	04/10/2012 08:38	1	TAL BUF	MZ
A:8082	480-18292-C-5-E		480-59004	480-58864	04/11/2012 09:06	1	TAL BUF	DB
P:3050B	480-18292-A-5-A		480-59065	480-58875	04/10/2012 10:10	1	TAL BUF	SS
A:6010B	480-18292-A-5-A		480-59065	480-58875	04/10/2012 23:30	1	TAL BUF	MM
P:7471A	480-18292-C-5-A		480-58742	480-58653	04/09/2012 08:40	1	TAL BUF	JM
A:7471A	480-18292-C-5-A		480-58742	480-58653	04/09/2012 11:24	1	TAL BUF	JM
A:Moisture	480-18292-A-5		480-58736		04/09/2012 11:40	1	TAL BUF	ZR

Lab ID: 480-18292-5 **Client ID:** RB-01 (0-6")

Sample Date/Time: 04/05/2012 15:45 Received Date/Time: 04/07/2012 09:00

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:5035	480-18292-F-5-A MS		480-59033	480-58917	04/10/2012 11:50	1	TAL BUF	JMB
A:8260B	480-18292-F-5-A MS		480-59033	480-58917	04/11/2012 11:28	1	TAL BUF	CDC
P:3550B	480-18292-B-5-A MS		480-59155	480-58845	04/10/2012 07:39	20	TAL BUF	MZ
A:8270C	480-18292-B-5-A MS		480-59155	480-58845	04/11/2012 22:18	20	TAL BUF	HTL
P:3550B	480-18292-B-5-C MS		480-59004	480-58864	04/10/2012 08:38	1	TAL BUF	MZ
A:8082	480-18292-B-5-C MS		480-59004	480-58864	04/11/2012 09:21	1	TAL BUF	DB
P:3050B	480-18292-A-5-B MS		480-59065	480-58875	04/10/2012 10:10	1	TAL BUF	SS
A:6010B	480-18292-A-5-B MS		480-59065	480-58875	04/10/2012 23:37	1	TAL BUF	MM
P:7471A	480-18292-C-5-B MS		480-58742	480-58653	04/09/2012 08:40	1	TAL BUF	JM
A:7471A	480-18292-C-5-B MS		480-58742	480-58653	04/09/2012 11:27	1	TAL BUF	JM
A:Moisture	480-18292-A-5 MS		480-58736		04/09/2012 11:40	1	TAL BUF	ZR

Client: CHA Inc

Job Number: 480-18292-1

Laboratory Chronicle

Lab ID: 480-18292-5 **Client ID:** RB-01 (0-6")

Sample Date/Time: 04/05/2012 15:45 Received Date/Time: 04/07/2012 09:00

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:5035	480-18292-G-5-B MSD		480-59033	480-58917	04/10/2012 11:50	1	TAL BUF	JMB
A:8260B	480-18292-G-5-B MSD		480-59033	480-58917	04/11/2012 11:53	1	TAL BUF	CDC
P:3550B	480-18292-B-5-B MSD		480-59155	480-58845	04/10/2012 07:39	20	TAL BUF	MZ
A:8270C	480-18292-B-5-B MSD		480-59155	480-58845	04/11/2012 22:41	20	TAL BUF	HTL
P:3550B	480-18292-B-5-D MSD		480-59004	480-58864	04/10/2012 08:38	1	TAL BUF	MZ
A:8082	480-18292-B-5-D MSD		480-59004	480-58864	04/11/2012 09:36	1	TAL BUF	DB
P:3050B	480-18292-A-5-C MSD		480-59065	480-58875	04/10/2012 10:10	1	TAL BUF	SS
A:6010B	480-18292-A-5-C MSD		480-59065	480-58875	04/10/2012 23:39	1	TAL BUF	MM
P:7471A	480-18292-C-5-C MSD		480-58742	480-58653	04/09/2012 08:40	1	TAL BUF	JM
A:7471A	480-18292-C-5-C MSD		480-58742	480-58653	04/09/2012 11:28	1	TAL BUF	JM
A:Moisture	480-18292-A-5 MSD		480-58736		04/09/2012 11:40	1	TAL BUF	ZR

Lab ID: 480-18292-5 SD **Client ID:** RB-01 (0-6")

Sample Date/Time: 04/05/2012 15:45 Received Date/Time: 04/07/2012 09:00

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:3050B	480-18292-A-5-A SD ^5		480-59065	480-58875	04/10/2012 10:10	5	TAL BUF	SS
A:6010B	480-18292-A-5-A SD ^5		480-59065	480-58875	04/10/2012 23:32	5	TAL BUF	MM
P:3050B	480-18292-A-5-A PDS		480-59065	480-58875	04/10/2012 10:10	1	TAL BUF	SS
A:6010B	480-18292-A-5-A PDS		480-59065	480-58875	04/10/2012 23:34	1	TAL BUF	MM
P:7471A	480-18292-C-5-A SD ^5		480-58742	480-58653	04/09/2012 08:40	5	TAL BUF	JM
A:7471A	480-18292-C-5-A SD ^5		480-58742	480-58653	04/09/2012 11:25	5	TAL BUF	JM

Client: CHA Inc

Job Number: 480-18292-1

Laboratory Chronicle

Lab ID: 480-18292-6 **Client ID:** RB-01 (6-12")

Sample Date/Time: 04/05/2012 16:00 Received Date/Time: 04/07/2012 09:00

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:5035	480-18292-G-6-A		480-58994	480-58917	04/10/2012 11:50	1	TAL BUF	JMB
A:8260B	480-18292-G-6-A		480-58994	480-58917	04/11/2012 07:46	1	TAL BUF	JMB
P:3550B	480-18292-A-6-A		480-59155	480-58845	04/10/2012 07:39	20	TAL BUF	MZ
A:8270C	480-18292-A-6-A		480-59155	480-58845	04/12/2012 01:06	20	TAL BUF	HTL
P:3550B	480-18292-A-6-B		480-59004	480-58864	04/10/2012 08:38	1	TAL BUF	MZ
A:8082	480-18292-A-6-B		480-59004	480-58864	04/11/2012 09:51	1	TAL BUF	DB
P:3050B	480-18292-A-6-C		480-59065	480-58875	04/10/2012 10:10	1	TAL BUF	SS
A:6010B	480-18292-A-6-C		480-59065	480-58875	04/10/2012 23:42	1	TAL BUF	MM
P:7471A	480-18292-C-6-A		480-58742	480-58653	04/09/2012 08:40	1	TAL BUF	JM
A:7471A	480-18292-C-6-A		480-58742	480-58653	04/09/2012 11:29	1	TAL BUF	JM
A:Moisture	480-18292-A-6		480-58736		04/09/2012 11:40	1	TAL BUF	ZR

Lab ID: 480-18292-7 **Client ID:** RB-01 (12-24")

Sample Date/Time: 04/05/2012 16:10 Received Date/Time: 04/07/2012 09:00

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:5035	480-18292-F-7-A		480-58994	480-58917	04/10/2012 11:50	1	TAL BUF	JMB
A:8260B	480-18292-F-7-A		480-58994	480-58917	04/11/2012 08:12	1	TAL BUF	JMB
P:3550B	480-18292-C-7-B		480-59155	480-58845	04/10/2012 07:39	20	TAL BUF	MZ
A:8270C	480-18292-C-7-B		480-59155	480-58845	04/12/2012 01:30	20	TAL BUF	HTL
P:3550B	480-18292-C-7-C		480-59004	480-58864	04/10/2012 08:38	1	TAL BUF	MZ
A:8082	480-18292-C-7-C		480-59004	480-58864	04/11/2012 10:35	1	TAL BUF	DB
P:3050B	480-18292-A-7-A		480-59065	480-58875	04/10/2012 10:10	1	TAL BUF	SS
A:6010B	480-18292-A-7-A		480-59065	480-58875	04/10/2012 23:44	1	TAL BUF	MM
P:7471A	480-18292-C-7-A		480-58742	480-58653	04/09/2012 08:40	1	TAL BUF	JM
A:7471A	480-18292-C-7-A		480-58742	480-58653	04/09/2012 11:31	1	TAL BUF	JM
A:Moisture	480-18292-A-7		480-58736		04/09/2012 11:40	1	TAL BUF	ZR

Client: CHA Inc

Job Number: 480-18292-1

Laboratory Chronicle

Lab ID: 480-18292-8 **Client ID:** RB-02 (0-6")

Sample Date/Time: 04/05/2012 16:20 Received Date/Time: 04/07/2012 09:00

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:5035	480-18292-F-8-A		480-59033	480-58917	04/10/2012 11:50	1	TAL BUF	JMB
A:8260B	480-18292-F-8-A		480-59033	480-58917	04/11/2012 12:18	1	TAL BUF	CDC
P:3550B	480-18292-B-8-A		480-59155	480-58845	04/10/2012 07:39	20	TAL BUF	MZ
A:8270C	480-18292-B-8-A		480-59155	480-58845	04/12/2012 01:54	20	TAL BUF	HTL
P:3550B	480-18292-B-8-B		480-59004	480-58864	04/10/2012 08:38	1	TAL BUF	MZ
A:8082	480-18292-B-8-B		480-59004	480-58864	04/11/2012 10:50	1	TAL BUF	DB
P:3050B	480-18292-A-8-A		480-59065	480-58875	04/10/2012 10:10	1	TAL BUF	SS
A:6010B	480-18292-A-8-A		480-59065	480-58875	04/10/2012 23:51	1	TAL BUF	MM
P:7471A	480-18292-C-8-A		480-58742	480-58653	04/09/2012 08:40	1	TAL BUF	JM
A:7471A	480-18292-C-8-A		480-58742	480-58653	04/09/2012 11:33	1	TAL BUF	JM
A:Moisture	480-18292-A-8		480-58736		04/09/2012 11:40	1	TAL BUF	ZR

Lab ID: 480-18292-9 **Client ID:** RB-02 (6-12")

Sample Date/Time: 04/05/2012 16:40 Received Date/Time: 04/07/2012 09:00

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:5035	480-18292-F-9-A		480-59033	480-58917	04/10/2012 11:50	1	TAL BUF	JMB
A:8260B	480-18292-F-9-A		480-59033	480-58917	04/11/2012 12:44	1	TAL BUF	CDC
P:3550B	480-18292-A-9-A		480-59155	480-58845	04/10/2012 07:39	20	TAL BUF	MZ
A:8270C	480-18292-A-9-A		480-59155	480-58845	04/12/2012 02:18	20	TAL BUF	HTL
P:3550B	480-18292-A-9-B		480-59004	480-58864	04/10/2012 08:38	1	TAL BUF	MZ
A:8082	480-18292-A-9-B		480-59004	480-58864	04/11/2012 11:05	1	TAL BUF	DB
P:3050B	480-18292-A-9-C		480-59065	480-58875	04/10/2012 10:10	1	TAL BUF	SS
A:6010B	480-18292-A-9-C		480-59065	480-58875	04/10/2012 23:53	1	TAL BUF	MM
P:7471A	480-18292-C-9-A		480-58742	480-58653	04/09/2012 08:40	1	TAL BUF	JM
A:7471A	480-18292-C-9-A		480-58742	480-58653	04/09/2012 11:34	1	TAL BUF	JM
A:Moisture	480-18292-A-9		480-58736		04/09/2012 11:40	1	TAL BUF	ZR

Client: CHA Inc

Job Number: 480-18292-1

Laboratory Chronicle

Lab ID: 480-18292-10 **Client ID:** RB-02 (12-24")

Sample Date/Time: 04/05/2012 16:50 Received Date/Time: 04/07/2012 09:00

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:5035	480-18292-G-10-A		480-59033	480-58917	04/10/2012 11:50	1	TAL BUF	JMB
A:8260B	480-18292-G-10-A		480-59033	480-58917	04/11/2012 13:09	1	TAL BUF	CDC
P:3550B	480-18292-B-10-A		480-59155	480-58845	04/10/2012 07:39	20	TAL BUF	MZ
A:8270C	480-18292-B-10-A		480-59155	480-58845	04/12/2012 02:43	20	TAL BUF	HTL
P:3550B	480-18292-B-10-B		480-59004	480-58864	04/10/2012 08:38	1	TAL BUF	MZ
A:8082	480-18292-B-10-B		480-59004	480-58864	04/11/2012 11:19	1	TAL BUF	DB
P:3050B	480-18292-A-10-A		480-59065	480-58875	04/10/2012 10:10	1	TAL BUF	SS
A:6010B	480-18292-A-10-A		480-59065	480-58875	04/10/2012 23:55	1	TAL BUF	MM
P:7471A	480-18292-C-10-A		480-58742	480-58653	04/09/2012 08:40	1	TAL BUF	JM
A:7471A	480-18292-C-10-A		480-58742	480-58653	04/09/2012 11:35	1	TAL BUF	JM
A:Moisture	480-18292-A-10		480-58736		04/09/2012 11:40	1	TAL BUF	ZR

Lab ID: 480-18292-11 **Client ID:** DUP-03

Sample Date/Time: 04/05/2012 16:30 Received Date/Time: 04/07/2012 09:00

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:5035	480-18292-G-11-A		480-59033	480-58917	04/10/2012 11:50	1	TAL BUF	JMB
A:8260B	480-18292-G-11-A		480-59033	480-58917	04/11/2012 13:35	1	TAL BUF	CDC
P:3550B	480-18292-B-11-A		480-59155	480-58845	04/10/2012 07:39	20	TAL BUF	MZ
A:8270C	480-18292-B-11-A		480-59155	480-58845	04/12/2012 03:07	20	TAL BUF	HTL
P:3550B	480-18292-B-11-B		480-59004	480-58864	04/10/2012 08:38	1	TAL BUF	MZ
A:8082	480-18292-B-11-B		480-59004	480-58864	04/11/2012 11:34	1	TAL BUF	DB
P:3050B	480-18292-A-11-A		480-59065	480-58875	04/10/2012 10:10	1	TAL BUF	SS
A:6010B	480-18292-A-11-A		480-59065	480-58875	04/10/2012 23:57	1	TAL BUF	MM
P:7471A	480-18292-C-11-A		480-58742	480-58653	04/09/2012 08:40	1	TAL BUF	JM
A:7471A	480-18292-C-11-A		480-58742	480-58653	04/09/2012 11:37	1	TAL BUF	JM
A:Moisture	480-18292-A-11		480-58736		04/09/2012 11:40	1	TAL BUF	ZR

Lab ID: 480-18292-12 **Client ID:** TRIP BLANK

Sample Date/Time: 04/05/2012 00:00 Received Date/Time: 04/07/2012 09:00

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:5030B	480-18292-A-12		480-59441		04/13/2012 16:09	1	TAL BUF	RL
A:8260B	480-18292-A-12		480-59441		04/13/2012 16:09	1	TAL BUF	RL

Client: CHA Inc

Job Number: 480-18292-1

Laboratory Chronicle

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

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

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
A:8260B	MB 480-58994/5		480-58994		04/10/2012 23:11	1	TAL BUF	JMB
A:8260B	MB 480-59033/5		480-59033		04/11/2012 10:23	1	TAL BUF	CDC
P:5030B	MB 480-59441/5		480-59441		04/13/2012 11:16	1	TAL BUF	RL
A:8260B	MB 480-59441/5		480-59441		04/13/2012 11:16	1	TAL BUF	RL
P:3550B	MB 480-58845/1-A		480-59155	480-58845	04/10/2012 07:39	1	TAL BUF	MZ
A:8270C	MB 480-58845/1-A		480-59155	480-58845	04/11/2012 21:29	1	TAL BUF	HTL
P:3550B	MB 480-58864/1-A		480-59004	480-58864	04/10/2012 08:38	1	TAL BUF	MZ
A:8082	MB 480-58864/1-A		480-59004	480-58864	04/11/2012 07:38	1	TAL BUF	DB
P:3050B	MB 480-58875/1-A		480-59065	480-58875	04/10/2012 10:10	1	TAL BUF	SS
A:6010B	MB 480-58875/1-A		480-59065	480-58875	04/10/2012 23:11	1	TAL BUF	MM
P:7471A	MB 480-58653/1-A		480-58742	480-58653	04/09/2012 08:40	1	TAL BUF	JM
A:7471A	MB 480-58653/1-A		480-58742	480-58653	04/09/2012 11:14	1	TAL BUF	JM

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 480-58994/4		480-58994		04/10/2012 22:45	1	TAL BUF	JMB
A:8260B	LCS 480-59033/4		480-59033		04/11/2012 09:58	1	TAL BUF	CDC
P:5030B	LCS 480-59441/4		480-59441		04/13/2012 10:53	1	TAL BUF	RL
A:8260B	LCS 480-59441/4		480-59441		04/13/2012 10:53	1	TAL BUF	RL
P:3550B	LCS 480-58845/2-A		480-59155	480-58845	04/10/2012 07:39	1	TAL BUF	MZ
A:8270C	LCS 480-58845/2-A		480-59155	480-58845	04/11/2012 21:54	1	TAL BUF	HTL
P:3550B	LCS 480-58864/2-A		480-59004	480-58864	04/10/2012 08:38	1	TAL BUF	MZ
A:8082	LCS 480-58864/2-A		480-59004	480-58864	04/11/2012 07:52	1	TAL BUF	DB

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 480-58875/2-A		480-59065	480-58875	04/10/2012 10:10	1	TAL BUF	SS
A:6010B	LCSSRM 480-58875/2-A		480-59065	480-58875	04/10/2012 23:13	1	TAL BUF	MM
P:7471A	LCSSRM 480-58653/2-A		480-58742	480-58653	04/09/2012 08:40	1	TAL BUF	JM
A:7471A	LCSSRM 480-58653/2-A		480-58742	480-58653	04/09/2012 11:15	1	TAL BUF	JM

Lab References:

TAL BUF = TestAmerica Buffalo

Certification Summary

Client: CHA Inc
Project/Site: ALCO-Maxon Site

TestAmerica Job ID: 480-18292-1

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.: 480-18292-1

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-10 (6-12")	480-18292-1	100	109	110
RB-10 (12-24")	480-18292-2	97	109	108
RB-11 (0-6")	480-18292-3	97	107	110
RB-12 (0-6")	480-18292-4	98	108	110
RB-01 (0-6")	480-18292-5	97	108	107
RB-01 (6-12")	480-18292-6	98	109	110
RB-01 (12-24")	480-18292-7	96	109	108
RB-02 (0-6")	480-18292-8	97	108	108
RB-02 (6-12")	480-18292-9	97	108	108
RB-02 (12-24")	480-18292-10	99	108	108
DUP-03	480-18292-11	98	110	108
	MB 480-58994/5	94	108	107
	MB 480-59033/5	91	108	106
	LCS 480-58994/4	94	108	109
	LCS 480-59033/4	95	107	109
RB-01 (0-6") MS	480-18292-5 MS	86	108	106
RB-01 (0-6") MSD	480-18292-5 MSD	86	109	107

	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.: 480-18292-1

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 #
TRIP BLANK	480-18292-12	120	99	106
	MB 480-59441/5	122	99	108
	LCS 480-59441/4	117	96	106

	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.: 480-18292-1

SDG No.:

Matrix: Solid Level: Low Lab File ID: F7989.D

Lab ID: LCS 480-58994/4 Client ID:

COMPOUND	SPIKE ADDED (ug/Kg)	LCS CONCENTRATION (ug/Kg)	LCS % REC	QC LIMITS REC	#
1,1-Dichloroethane	50.0	45.9	92	79-126	
1,1-Dichloroethene	50.0	42.7	85	65-153	
1,2-Dichlorobenzene	50.0	48.9	98	75-120	
1,2-Dichloroethane	50.0	43.9	88	77-122	
Benzene	50.0	47.9	96	79-127	
Chlorobenzene	50.0	51.3	103	76-124	
cis-1,2-Dichloroethene	50.0	48.4	97	81-117	
Ethylbenzene	50.0	50.0	100	80-120	
Methyl tert-butyl ether	50.0	42.3	85	63-125	
Tetrachloroethene	50.0	53.7	107	74-122	
Toluene	50.0	49.9	100	74-128	
trans-1,2-Dichloroethene	50.0	50.1	100	78-126	
Trichloroethene	50.0	46.9	94	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.: 480-18292-1

SDG No.:

Matrix: Solid Level: Low Lab File ID: F8014.D

Lab ID: LCS 480-59033/4 Client ID:

COMPOUND	SPIKE ADDED (ug/Kg)	LCS CONCENTRATION (ug/Kg)	LCS % REC	QC LIMITS REC	#
1,1-Dichloroethane	50.0	44.9	90	79-126	
1,1-Dichloroethene	50.0	41.6	83	65-153	
1,2-Dichlorobenzene	50.0	47.5	95	75-120	
1,2-Dichloroethane	50.0	43.6	87	77-122	
Benzene	50.0	46.8	94	79-127	
Chlorobenzene	50.0	48.8	98	76-124	
cis-1,2-Dichloroethene	50.0	46.6	93	81-117	
Ethylbenzene	50.0	48.2	96	80-120	
Methyl tert-butyl ether	50.0	42.3	85	63-125	
Tetrachloroethene	50.0	51.9	104	74-122	
Toluene	50.0	48.5	97	74-128	
trans-1,2-Dichloroethene	50.0	48.8	98	78-126	
Trichloroethene	50.0	46.1	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.: 480-18292-1

SDG No.:

Matrix: Water Level: Low Lab File ID: G11024.D

Lab ID: LCS 480-59441/4 Client ID:

COMPOUND	SPIKE ADDED (ug/L)	LCS CONCENTRATION (ug/L)	LCS % REC	QC LIMITS REC	#
1,1-Dichloroethane	25.0	24.7	99	71-129	
1,1-Dichloroethene	25.0	17.0	68	65-138	
1,2-Dichlorobenzene	25.0	27.2	109	77-120	
1,2-Dichloroethane	25.0	28.0	112	75-127	
Benzene	25.0	24.3	97	71-124	
Chlorobenzene	25.0	24.7	99	72-120	
cis-1,2-Dichloroethene	25.0	24.7	99	74-124	
Ethylbenzene	25.0	23.4	94	77-123	
Methyl tert-butyl ether	25.0	28.3	113	64-127	
Tetrachloroethene	25.0	21.7	87	74-122	
Toluene	25.0	23.2	93	70-122	
trans-1,2-Dichloroethene	25.0	22.0	88	73-127	
Trichloroethene	25.0	23.3	93	74-123	

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.: 480-18292-1

SDG No.:

Matrix: Solid Level: Low Lab File ID: F8017.D

Lab ID: 480-18292-5 MS Client ID: RB-01 (0-6") MS

COMPOUND	SPIKE ADDED (ug/Kg)	SAMPLE CONCENTRATION (ug/Kg)	MS CONCENTRATION (ug/Kg)	MS % REC	QC LIMITS REC	#
1,1-Dichloroethane	85.9	ND	36.6	43	79-126	F
1,1-Dichloroethene	85.9	ND	31.1	36	65-153	F
1,2-Dichlorobenzene	85.9	ND	19.6	23	75-120	F
1,2-Dichloroethane	85.9	ND	31.6	37	77-122	F
Benzene	85.9	ND	35.6	41	79-127	F
Chlorobenzene	85.9	ND	28.3	33	76-124	F
cis-1,2-Dichloroethene	85.9	ND	33.7	39	81-117	F
Ethylbenzene	85.9	ND	29.4	34	80-120	F
Methyl tert-butyl ether	85.9	ND	32.5	38	63-125	F
Tetrachloroethene	85.9	ND	30.9	36	74-122	F
Toluene	85.9	ND	34.0	40	74-128	F
trans-1,2-Dichloroethene	85.9	ND	32.3	38	78-126	F
Trichloroethene	85.9	ND	28.9	34	77-129	F

Column to be used to flag recovery and RPD values

FORM III 8260B

FORM III
GC/MS VOA MATRIX SPIKE DUPLICATE RECOVERY

Lab Name: TestAmerica Buffalo Job No.: 480-18292-1

SDG No.:

Matrix: Solid Level: Low Lab File ID: F8018.D

Lab ID: 480-18292-5 MSD Client ID: RB-01 (0-6") MSD

COMPOUND	SPIKE ADDED (ug/Kg)	MSD CONCENTRATION (ug/Kg)	MSD % REC	% RPD	QC LIMITS RPD	QC LIMITS REC	#
1,1-Dichloroethane	100	70.2	70	63.0	30	79-126	F
1,1-Dichloroethene	100	59.4	59	62.6	30	65-153	F
1,2-Dichlorobenzene	100	32.7	33	50.2	30	75-120	F
1,2-Dichloroethane	100	59.4	59	61.1	30	77-122	F
Benzene	100	68.0	68	62.7	30	79-127	F
Chlorobenzene	100	51.0	51	57.1	30	76-124	F
cis-1,2-Dichloroethene	100	63.2	63	61.0	30	81-117	F
Ethylbenzene	100	53.0	53	57.3	30	80-120	F
Methyl tert-butyl ether	100	63.0	63	64.0	30	63-125	F
Tetrachloroethene	100	54.4	54	55.0	30	74-122	F
Toluene	100	62.8	63	59.5	30	74-128	F
trans-1,2-Dichloroethene	100	60.2	60	60.4	30	78-126	F
Trichloroethene	100	52.2	52	57.6	30	77-129	F

Column to be used to flag recovery and RPD values

FORM III 8260B

FORM IV
GC/MS VOA METHOD BLANK SUMMARY

Lab Name: TestAmerica Buffalo Job No.: 480-18292-1

SDG No.:

Lab File ID: F7990.D Lab Sample ID: MB 480-58994/5

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

Instrument ID: HP5973F Date Analyzed: 04/10/2012 23:11

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 480-58994/4	F7989.D	04/10/2012 22:45
RB-10 (6-12")	480-18292-1	F8005.D	04/11/2012 06:05
RB-10 (12-24")	480-18292-2	F8006.D	04/11/2012 06:30
RB-11 (0-6")	480-18292-3	F8007.D	04/11/2012 06:56
RB-12 (0-6")	480-18292-4	F8008.D	04/11/2012 07:21
RB-01 (6-12")	480-18292-6	F8009.D	04/11/2012 07:46
RB-01 (12-24")	480-18292-7	F8010.D	04/11/2012 08:12

FORM IV
GC/MS VOA METHOD BLANK SUMMARY

Lab Name: TestAmerica Buffalo Job No.: 480-18292-1

SDG No.:

Lab File ID: F8015.D Lab Sample ID: MB 480-59033/5

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

Instrument ID: HP5973F Date Analyzed: 04/11/2012 10:23

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 480-59033/4	F8014.D	04/11/2012 09:58
RB-01 (0-6")	480-18292-5	F8016.D	04/11/2012 11:02
RB-01 (0-6") MS	480-18292-5 MS	F8017.D	04/11/2012 11:28
RB-01 (0-6") MSD	480-18292-5 MSD	F8018.D	04/11/2012 11:53
RB-02 (0-6")	480-18292-8	F8019.D	04/11/2012 12:18
RB-02 (6-12")	480-18292-9	F8020.D	04/11/2012 12:44
RB-02 (12-24")	480-18292-10	F8021.D	04/11/2012 13:09
DUP-03	480-18292-11	F8022.D	04/11/2012 13:35

FORM IV
GC/MS VOA METHOD BLANK SUMMARY

Lab Name: TestAmerica Buffalo Job No.: 480-18292-1

SDG No.:

Lab File ID: G11025.D Lab Sample ID: MB 480-59441/5

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

Instrument ID: HP5973G Date Analyzed: 04/13/2012 11:16

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 480-59441/4	G11024.D	04/13/2012 10:53
TRIP BLANK	480-18292-12	G11036.D	04/13/2012 16:09

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

Lab Name: TestAmerica Buffalo Job No.: 480-18292-1

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.: 480-18292-1

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.: 480-18292-1

SDG No.:

Lab File ID: F7986.D BFB Injection Date: 04/10/2012

Instrument ID: HP5973F BFB Injection Time: 21:21

Analysis Batch No.: 58994

M/E	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE	
50	15.0 - 40.0 % of mass 95	16.8	
75	30.0 - 60.0 % of mass 95	41.8	
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	86.6	
175	5.0 - 9.0 % of mass 174	6.1	(7.1)1
176	95.0 - 101.0 % of mass 174	82.3	(95.1)1
177	5.0 - 9.0 % of mass 176	5.4	(6.6)2

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

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

CLIENT SAMPLE ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
	CCVIS 480-58994/2	F7987.D	04/10/2012	21:46
	CCV 480-58994/3	F7988.D	04/10/2012	22:20
	LCS 480-58994/4	F7989.D	04/10/2012	22:45
	MB 480-58994/5	F7990.D	04/10/2012	23:11
RB-10 (6-12")	480-18292-1	F8005.D	04/11/2012	06:05
RB-10 (12-24")	480-18292-2	F8006.D	04/11/2012	06:30
RB-11 (0-6")	480-18292-3	F8007.D	04/11/2012	06:56
RB-12 (0-6")	480-18292-4	F8008.D	04/11/2012	07:21
RB-01 (6-12")	480-18292-6	F8009.D	04/11/2012	07:46
RB-01 (12-24")	480-18292-7	F8010.D	04/11/2012	08:12

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

Lab Name: TestAmerica Buffalo Job No.: 480-18292-1

SDG No.:

Lab File ID: F8011.D BFB Injection Date: 04/11/2012

Instrument ID: HP5973F BFB Injection Time: 08:37

Analysis Batch No.: 59033

M/E	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE	
50	15.0 - 40.0 % of mass 95	17.8	
75	30.0 - 60.0 % of mass 95	43.3	
95	Base Peak, 100% relative abundance	100.0	
96	5.0 - 9.0 % of mass 95	7.6	
173	Less than 2.0 % of mass 174	0.0	(0.0)1
174	50.0 - 120.00 % of mass 95	88.0	
175	5.0 - 9.0 % of mass 174	5.9	(6.7)1
176	95.0 - 101.0 % of mass 174	83.8	(95.2)1
177	5.0 - 9.0 % of mass 176	6.4	(7.6)2

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

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

CLIENT SAMPLE ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
	CCVIS 480-59033/2	F8012.D	04/11/2012	09:07
	CCV 480-59033/3	F8013.D	04/11/2012	09:32
	LCS 480-59033/4	F8014.D	04/11/2012	09:58
	MB 480-59033/5	F8015.D	04/11/2012	10:23
RB-01 (0-6")	480-18292-5	F8016.D	04/11/2012	11:02
RB-01 (0-6") MS	480-18292-5 MS	F8017.D	04/11/2012	11:28
RB-01 (0-6") MSD	480-18292-5 MSD	F8018.D	04/11/2012	11:53
RB-02 (0-6")	480-18292-8	F8019.D	04/11/2012	12:18
RB-02 (6-12")	480-18292-9	F8020.D	04/11/2012	12:44
RB-02 (12-24")	480-18292-10	F8021.D	04/11/2012	13:09
DUP-03	480-18292-11	F8022.D	04/11/2012	13:35

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

Lab Name: TestAmerica Buffalo Job No.: 480-18292-1

SDG No.:

Lab File ID: G10836.D BFB Injection Date: 04/09/2012

Instrument ID: HP5973G BFB Injection Time: 19:28

Analysis Batch No.: 58822

M/E	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE	
50	15.0 - 40.0 % of mass 95	24.1	
75	30.0 - 60.0 % of mass 95	47.4	
95	Base Peak, 100% relative abundance	100.0	
96	5.0 - 9.0 % of mass 95	6.6	
173	Less than 2.0 % of mass 174	0.5	(0.8)1
174	50.0 - 120.00 % of mass 95	64.3	
175	5.0 - 9.0 % of mass 174	4.1	(6.4)1
176	95.0 - 101.0 % of mass 174	61.3	(95.2)1
177	5.0 - 9.0 % of mass 176	4.4	(7.2)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
	STD 480-58822/3	G10838.D	04/09/2012	20:15
	STD 480-58822/4	G10839.D	04/09/2012	20:38
	STD 480-58822/5	G10840.D	04/09/2012	21:01
	STD 480-58822/6	G10841.D	04/09/2012	21:24
	STD 480-58822/7	G10842.D	04/09/2012	21:46
	STD 480-58822/8	G10843.D	04/09/2012	22:09
	STD 480-58822/10	G10845.D	04/09/2012	23:46
	STD 480-58822/11	G10846.D	04/10/2012	00:09
	STD 480-58822/12	G10847.D	04/10/2012	00:33
	STD 480-58822/13	G10848.D	04/10/2012	00:56
	STD 480-58822/14	G10849.D	04/10/2012	01:19
	STD 480-58822/15	G10850.D	04/10/2012	01:42

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

Lab Name: TestAmerica Buffalo Job No.: 480-18292-1

SDG No.:

Lab File ID: G11021.D BFB Injection Date: 04/13/2012

Instrument ID: HP5973G BFB Injection Time: 09:30

Analysis Batch No.: 59441

M/E	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE	
50	15.0 - 40.0 % of mass 95	21.2	
75	30.0 - 60.0 % of mass 95	46.7	
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	0.6	(0.8)1
174	50.0 - 120.00 % of mass 95	71.2	
175	5.0 - 9.0 % of mass 174	4.7	(6.7)1
176	95.0 - 101.0 % of mass 174	68.3	(95.9)1
177	5.0 - 9.0 % of mass 176	4.1	(6.1)2

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

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

CLIENT SAMPLE ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
	CCVIS 480-59441/2	G11022.D	04/13/2012	09:56
	CCV 480-59441/3	G11023.D	04/13/2012	10:31
	LCS 480-59441/4	G11024.D	04/13/2012	10:53
	MB 480-59441/5	G11025.D	04/13/2012	11:16
TRIP BLANK	480-18292-12	G11036.D	04/13/2012	16:09

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

Lab Name: TestAmerica Buffalo Job No.: 480-18292-1

SDG No.:

Sample No.: CCVIS 480-58994/2 Date Analyzed: 04/10/2012 21:46

Instrument ID: HP5973F GC Column: ZB-624 (60) ID: 0.25(mm)

Lab File ID (Standard): F7987.D Heated Purge: (Y/N) N

Calibration ID: 6376

		DFB		CBZ		DCB	
		AREA #	RT #	AREA #	RT #	AREA #	RT #
12/24 HOUR STD		470762	5.71	196128	8.49	241913	10.80
UPPER LIMIT		941524	6.21	392256	8.99	483826	11.30
LOWER LIMIT		235381	5.21	98064	7.99	120957	10.30
LAB SAMPLE ID	CLIENT SAMPLE ID						
CCV 480-58994/3		465387	5.71	195075	8.49	236366	10.80
LCS 480-58994/4		463597	5.71	189762	8.49	233318	10.80
MB 480-58994/5		459036	5.71	188811	8.50	226664	10.80
480-18292-1	RB-10 (6-12")	445139	5.71	181393	8.49	217896	10.80
480-18292-2	RB-10 (12-24")	445063	5.71	181046	8.49	208072	10.80
480-18292-3	RB-11 (0-6")	452637	5.71	186611	8.49	221909	10.80
480-18292-4	RB-12 (0-6")	449010	5.71	184587	8.49	220809	10.80
480-18292-6	RB-01 (6-12")	440258	5.71	178078	8.49	207120	10.80
480-18292-7	RB-01 (12-24")	443164	5.71	178109	8.50	208988	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.: 480-18292-1

SDG No.:

Sample No.: CCVIS 480-59033/2 Date Analyzed: 04/11/2012 09:07

Instrument ID: HP5973F GC Column: ZB-624 (60) ID: 0.25(mm)

Lab File ID (Standard): F8012.D Heated Purge: (Y/N) N

Calibration ID: 6376

		DFB		CBZ		DCB	
		AREA #	RT #	AREA #	RT #	AREA #	RT #
12/24 HOUR STD		464552	5.71	192700	8.49	232666	10.80
UPPER LIMIT		929104	6.21	385400	8.99	465332	11.30
LOWER LIMIT		232276	5.21	96350	7.99	116333	10.30
LAB SAMPLE ID	CLIENT SAMPLE ID						
CCV 480-59033/3		459619	5.71	192713	8.49	229159	10.80
LCS 480-59033/4		456999	5.71	187828	8.49	229021	10.80
MB 480-59033/5		456091	5.71	187347	8.49	222921	10.80
480-18292-5	RB-01 (0-6")	452566	5.71	183932	8.49	207895	10.80
480-18292-5 MS	RB-01 (0-6") MS	455416	5.71	182163	8.49	206983	10.80
480-18292-5 MSD	RB-01 (0-6") MSD	458272	5.71	182932	8.49	209590	10.80
480-18292-8	RB-02 (0-6")	446881	5.71	181307	8.49	208658	10.80
480-18292-9	RB-02 (6-12")	440793	5.71	177892	8.49	207046	10.80
480-18292-10	RB-02 (12-24")	436381	5.71	180633	8.49	207010	10.80
480-18292-11	DUP-03	430107	5.71	173210	8.49	198534	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.: 480-18292-1

SDG No.:

Sample No.: CCVIS 480-59441/2 Date Analyzed: 04/13/2012 09:56

Instrument ID: HP5973G GC Column: ZB-624 (60) ID: 0.25(mm)

Lab File ID (Standard): G11022.D Heated Purge: (Y/N) N

Calibration ID: 7322

		DFB		CBZ		DCB	
		AREA #	RT #	AREA #	RT #	AREA #	RT #
12/24 HOUR STD		472204	5.36	237152	8.22	235965	10.63
UPPER LIMIT		944408	5.86	474304	8.72	471930	11.13
LOWER LIMIT		236102	4.86	118576	7.72	117983	10.13
LAB SAMPLE ID	CLIENT SAMPLE ID						
CCV 480-59441/3		467474	5.36	234400	8.22	227175	10.63
LCS 480-59441/4		473562	5.36	239664	8.22	222525	10.63
MB 480-59441/5		463363	5.36	229961	8.22	223191	10.63
480-18292-12	TRIP BLANK	456780	5.36	228480	8.22	215150	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.: 480-18292-1

SDG No.:

Client Sample ID: RB-10 (6-12") | Lab Sample ID: 480-18292-1

Matrix: Solid | Lab File ID: F8005.D

Analysis Method: 8260B | Date Collected: 04/05/2012 15:20

Sample wt/vol: 5.62(g) | Date Analyzed: 04/11/2012 06:05

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.: 58994 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
71-55-6	1,1,1-Trichloroethane	ND		4.8	0.35
79-34-5	1,1,2,2-Tetrachloroethane	ND		4.8	0.79
79-00-5	1,1,2-Trichloroethane	ND		4.8	0.63
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	ND		4.8	1.1
75-34-3	1,1-Dichloroethane	ND		4.8	0.59
75-35-4	1,1-Dichloroethene	ND		4.8	0.59
120-82-1	1,2,4-Trichlorobenzene	ND		4.8	0.29
96-12-8	1,2-Dibromo-3-Chloropropane	ND		4.8	2.4
106-93-4	1,2-Dibromoethane	ND		4.8	0.62
95-50-1	1,2-Dichlorobenzene	ND		4.8	0.38
107-06-2	1,2-Dichloroethane	ND		4.8	0.24
78-87-5	1,2-Dichloropropane	ND		4.8	2.4
541-73-1	1,3-Dichlorobenzene	ND		4.8	0.25
106-46-7	1,4-Dichlorobenzene	ND		4.8	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		4.8	0.24
75-27-4	Bromodichloromethane	ND		4.8	0.65
75-25-2	Bromoform	ND		4.8	2.4
74-83-9	Bromomethane	ND		4.8	0.44
75-15-0	Carbon disulfide	ND		4.8	2.4
56-23-5	Carbon tetrachloride	ND		4.8	0.47
108-90-7	Chlorobenzene	ND		4.8	0.64
124-48-1	Dibromochloromethane	ND		4.8	0.62
75-00-3	Chloroethane	ND		4.8	1.1
67-66-3	Chloroform	ND		4.8	0.30
74-87-3	Chloromethane	ND		4.8	0.29
156-59-2	cis-1,2-Dichloroethene	ND		4.8	0.62
10061-01-5	cis-1,3-Dichloropropene	ND		4.8	0.70
110-82-7	Cyclohexane	ND		4.8	0.68
75-71-8	Dichlorodifluoromethane	ND		4.8	0.40
100-41-4	Ethylbenzene	ND		4.8	0.33
98-82-8	Isopropylbenzene	ND		4.8	0.73

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Buffalo | Job No.: 480-18292-1

SDG No.:

Client Sample ID: RB-10 (6-12") | Lab Sample ID: 480-18292-1

Matrix: Solid | Lab File ID: F8005.D

Analysis Method: 8260B | Date Collected: 04/05/2012 15:20

Sample wt/vol: 5.62(g) | Date Analyzed: 04/11/2012 06:05

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.: 58994 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
79-20-9	Methyl acetate	ND		4.8	0.90
1634-04-4	Methyl tert-butyl ether	ND		4.8	0.48
108-87-2	Methylcyclohexane	ND		4.8	0.74
75-09-2	Methylene Chloride	ND		4.8	2.2
100-42-5	Styrene	ND		4.8	0.24
127-18-4	Tetrachloroethene	ND		4.8	0.65
108-88-3	Toluene	ND		4.8	0.37
156-60-5	trans-1,2-Dichloroethene	ND		4.8	0.50
10061-02-6	trans-1,3-Dichloropropene	ND		4.8	2.1
79-01-6	Trichloroethene	ND		4.8	1.1
75-69-4	Trichlorofluoromethane	ND		4.8	0.46
75-01-4	Vinyl chloride	ND		4.8	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)	100		64-126
2037-26-5	Toluene-d8 (Surr)	109		71-125
460-00-4	4-Bromofluorobenzene (Surr)	110		72-126

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

Lab Name: TestAmerica Buffalo | Job No.: 480-18292-1

SDG No.:

Client Sample ID: RB-10 (6-12") | Lab Sample ID: 480-18292-1

Matrix: Solid | Lab File ID: F8005.D

Analysis Method: 8260B | Date Collected: 04/05/2012 15:20

Sample wt/vol: 5.62(g) | Date Analyzed: 04/11/2012 06:05

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.: 58994 | Units: ug/Kg

Number TICs Found: 2 | TIC Result Total: 47

CAS NO.	COMPOUND NAME	RT	RESULT	Q
287-92-3	Cyclopentane	3.77	34	T J N
556-67-2	Cyclotetrasiloxane, octamethyl-	9.64	13	T J N

TestAmerica Laboratories
Target Compound Quantitation Report

Data File:	\\Bufchrom\ChromData\HP5973F\20120410-10884.b\F8005.D		
Lims ID:	480-18292-F-1-A	Client ID:	RB-10 (6-12")
Inject. Date:	11-Apr-2012 06:05:30	Dil. Factor:	1.0000
Sample Type:	Client		
Sample ID:	480-18292-F-1-A		
Misc. Info.:	480-0010884-020 =480-0010884-020		
Operator:	CDC	Instrument ID:	HP5973F
Vol. Injected:	1.0000	ALS Bottle#:	15
Lims Batch ID:	58994	Lims Sample ID:	20
Detector:	MS SCAN		
Method:	\\Bufchrom\ChromData\HP5973F\20120410-10884.b\F-8260 SOIL.m		
Last Update:	11-Apr-2012 12:48:56	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: ByrnesJ		Date:	11-Apr-2012 12:26:54

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	445139	50.0	
* 2 Chlorobenzene-d5	82	8.494	8.494	0.0	80	181393	50.0	
* 3 1,4-Dichlorobenzene-d4	152	10.800	10.800	0.0	92	217896	50.0	
$ 4 1,2-Dichloroethane-d4 (Surr)	67	5.410	5.404	0.006	99	67795	50.1	
$ 5 Toluene-d8 (Surr)	98	7.040	7.040	0.0	91	467679	54.6	
$ 6 4-Bromofluorobenzene (Surr)	174	9.705	9.705	0.0	92	157037	55.1	
10 Dichlorodifluoromethane	85		2.052					
12 Chloromethane	50		2.204					
13 Vinyl chloride	62		2.325					
14 Bromomethane	94		2.624					
15 Chloroethane	64		2.703					
17 Trichlorofluoromethane	101		2.928					
21 1,1,2-Trichloro-1,2,2-trifluoroe	101		3.305					
22 1,1-Dichloroethene	96		3.335					
23 Acetone	43		3.384					
26 Carbon disulfide	76		3.560					
27 Methyl acetate	43		3.609					
30 Methylene Chloride	84		3.737					
32 Methyl tert-butyl ether	73		3.889					
34 trans-1,2-Dichloroethene	96		3.925					
39 1,1-Dichloroethane	63		4.266					
43 2-Butanone (MEK)	43		4.710					
45 cis-1,2-Dichloroethene	96		4.728					
50 Chloroform	83		4.972					
51 1,1,1-Trichloroethane	97		5.124					
52 Cyclohexane	56		5.148					
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		7.703					
83 Chlorodibromomethane	129		7.941					
84 Ethylene Dibromide	107		8.074					
87 Chlorobenzene	112		8.531					
88 Ethylbenzene	91		8.585					
90 m-Xylene & p-Xylene	106		8.701					
91 o-Xylene	106		9.139					
92 Styrene	104		9.157					
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		30.000					7

QC Flag Legend

Processing Flags
7 - Failed Limit of Detection

TestAmerica Laboratories
Tentatively Identified Quantitation Report

Data File:	\\Bufchrom\ChromData\HP5973F\20120410-10884.b\F8005.D		
Lims ID:	480-18292-F-1-A	Client ID:	RB-10 (6-12")
Inject. Date:	11-Apr-2012 06:05:30	Dil. Factor:	1.0000
Sample Type:	Client		
Sample ID:	480-18292-F-1-A		
Misc. Info.:	480-0010884-020 =480-0010884-020		
Operator:	CDC	Instrument ID:	HP5973F
Vol. Injected:	1.0000	ALS Bottle#:	15
Lims Batch ID:	58994	Lims Sample ID:	20
Detector:	MS SCAN		
Method:	\\Bufchrom\ChromData\HP5973F\20120410-10884.b\F-8260 SOIL.m		
Last Update:	11-Apr-2012 12:48:56	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:	0		
Process Host:	CORP-CTX-19		
First Level Reviewer: ByrnesJ		Date:	11-Apr-2012 12:26:54

Calibrated Tentative Identified Compound Results

Compound	RT	Response	Amount ug/kg	Flags
Hexane	4.072	6770	1.74	

Tentative Identified Compound Results

RT	Response	Amount ug/kg	Quant Cpnd	Qual	Lib Entry	Flags
287-92-3 Cyclopentane						
3.767	644654	35.4	1	86	3292	
556-67-2 Cyclotetrasiloxane, octamethyl-						
9.638	280876	13.1	2	90	97367	

Quantitation Compounds

Compound	RT	Response	Amount ug/kg
* 1 1,4-Difluorobenzene	5.714	910541	50.0
* 2 Chlorobenzene-d5	8.494	1075648	50.0

QC Flag Legend

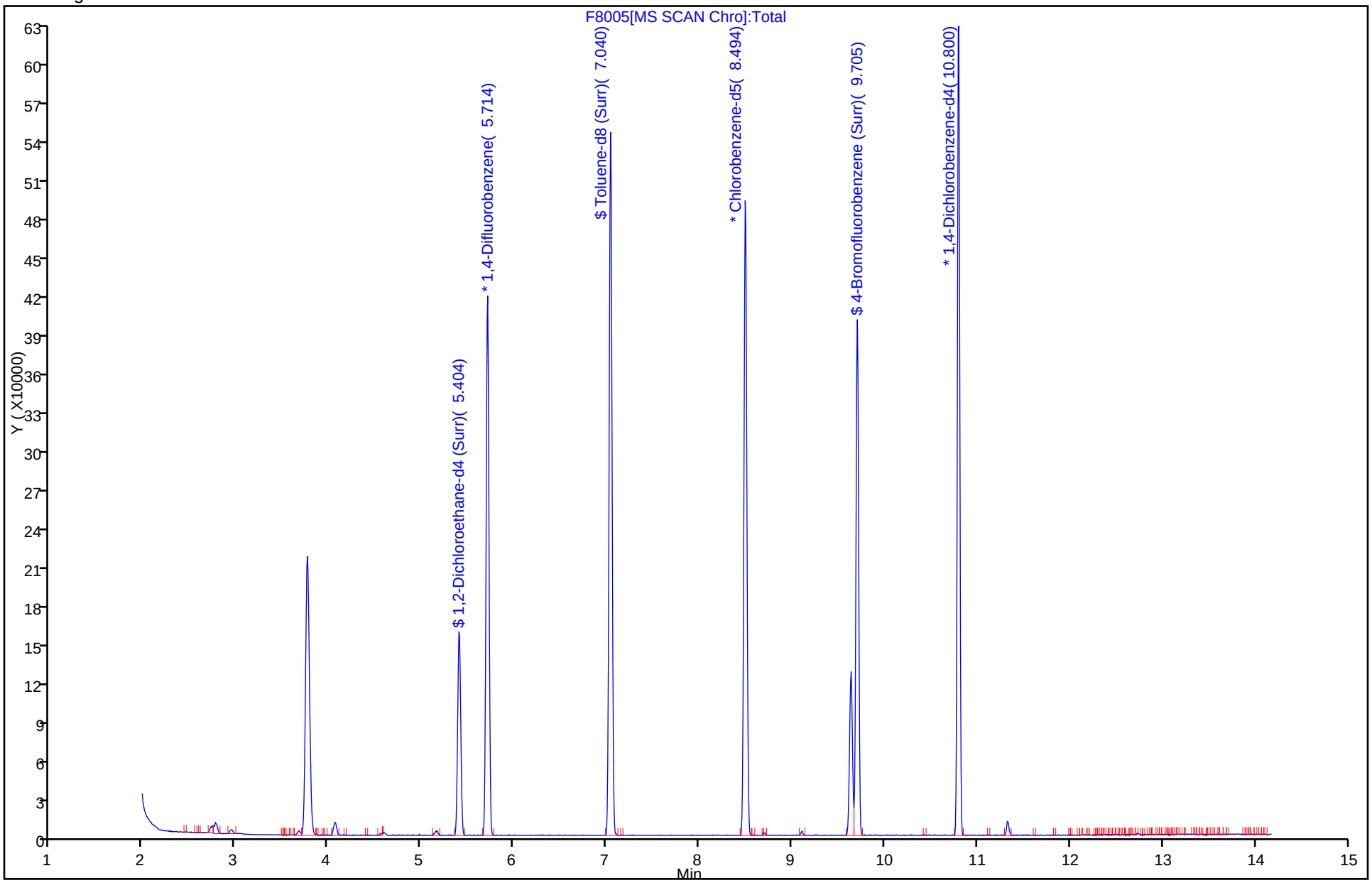
Processing Flags

Report Date: 18-Apr-2012 13:23:16 Chrom Revision: 2.0 20-Feb-2012 13:27:02

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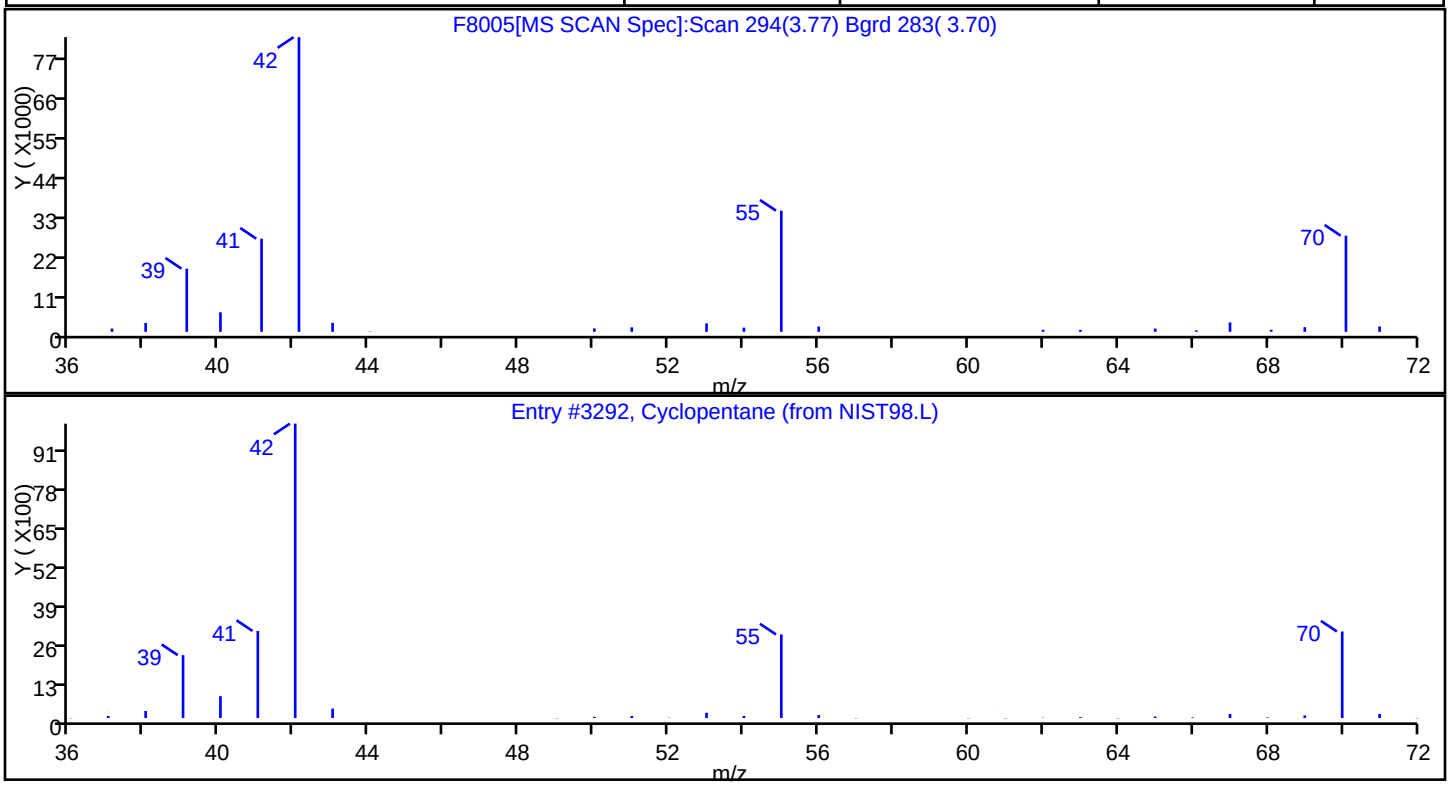
Injection Date:	11-Apr-2012 06:05:30	Limit Group:	MV - 8260B ICAL
Client ID:	RB-10 (6-12")	Instrument ID:	HP5973F
Lims Batch ID:	58994	Lims Sample ID:	20
Operator ID:	CDC		
Column Type:	ZB-624	Column Dia:	0.25 mm

Y Scaling:



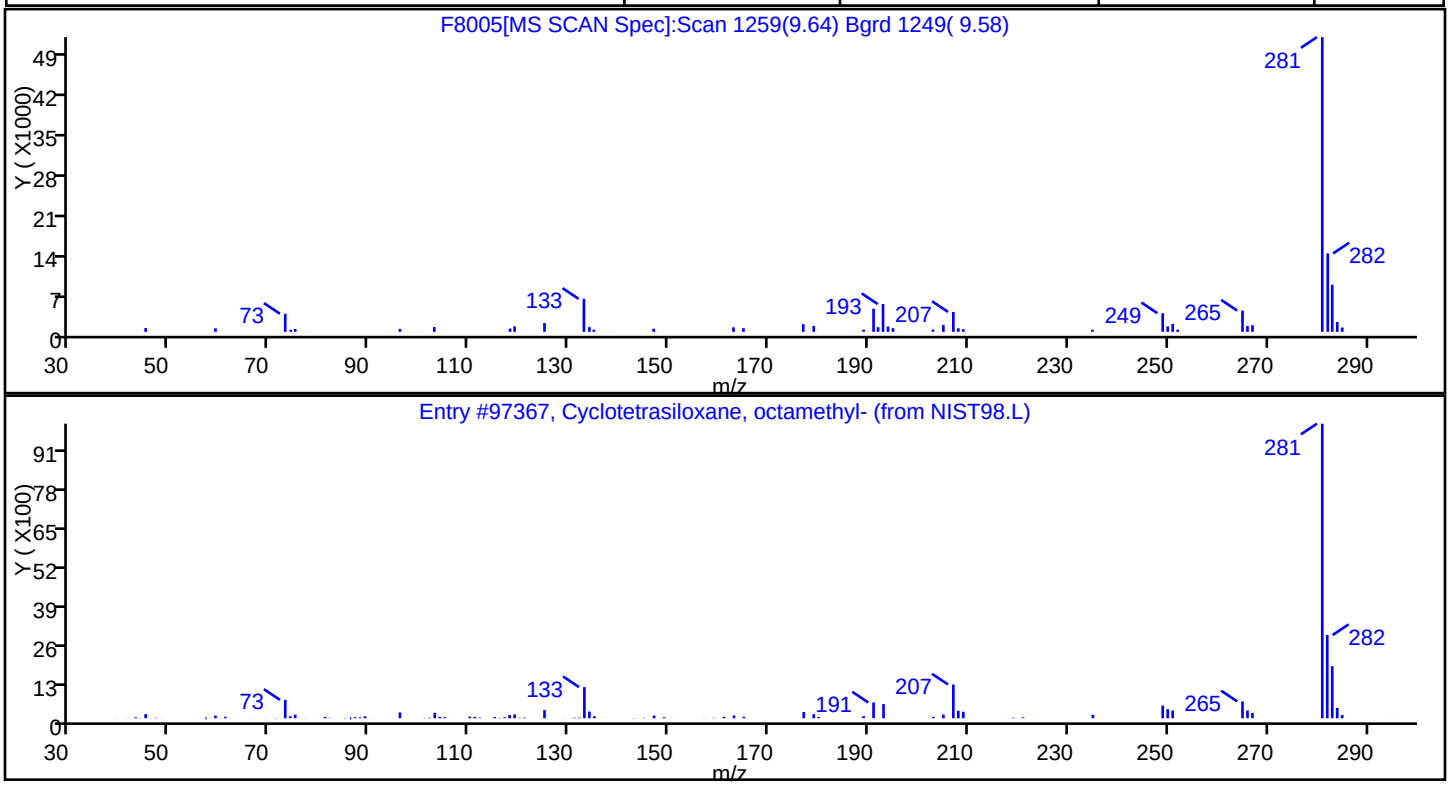
Report Date: 18-Apr-2012 13:23:16 Chrom Revision: 2.0 20-Feb-2012 13:27:02
Data File: \\Bufchrom\ChromData\HP5973F\20120410-10884.b\F8005.D
Injection Date: 11-Apr-2012 06:05:30 Limit Group: MV - 8260B ICAL
Client ID: RB-10 (6-12") Instrument ID: HP5973F
Lims Batch ID: 58994 Lims Sample ID: 20
Operator 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	3292	86



Report Date: 18-Apr-2012 13:23:16 Chrom Revision: 2.0 20-Feb-2012 13:27:02
Data File: \\Bufchrom\ChromData\HP5973F\20120410-10884.b\F8005.D
Injection Date: 11-Apr-2012 06:05:30 Limit Group: MV - 8260B ICAL
Client ID: RB-10 (6-12") Instrument ID: HP5973F
Lims Batch ID: 58994 Lims Sample ID: 20
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	90



FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Buffalo | Job No.: 480-18292-1

SDG No.:

Client Sample ID: RB-10 (12-24") | Lab Sample ID: 480-18292-2

Matrix: Solid | Lab File ID: F8006.D

Analysis Method: 8260B | Date Collected: 04/05/2012 15:30

Sample wt/vol: 5.5(g) | Date Analyzed: 04/11/2012 06:30

Soil Aliquot Vol: | Dilution Factor: 1

Soil Extract Vol.: | GC Column: ZB-624 (60) ID: 0.25(mm)

% Moisture: 7.0 | Level: (low/med) Low

Analysis Batch No.: 58994 | 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	0.64
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	0.60
75-35-4	1,1-Dichloroethene	ND		4.9	0.60
120-82-1	1,2,4-Trichlorobenzene	ND		4.9	0.30
96-12-8	1,2-Dibromo-3-Chloropropane	ND		4.9	2.4
106-93-4	1,2-Dibromoethane	ND		4.9	0.63
95-50-1	1,2-Dichlorobenzene	ND		4.9	0.38
107-06-2	1,2-Dichloroethane	ND		4.9	0.25
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	0.65
124-48-1	Dibromochloromethane	ND		4.9	0.63
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	0.30
156-59-2	cis-1,2-Dichloroethene	ND		4.9	0.63
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	0.34
98-82-8	Isopropylbenzene	ND		4.9	0.74

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Buffalo | Job No.: 480-18292-1

SDG No.:

Client Sample ID: RB-10 (12-24") | Lab Sample ID: 480-18292-2

Matrix: Solid | Lab File ID: F8006.D

Analysis Method: 8260B | Date Collected: 04/05/2012 15:30

Sample wt/vol: 5.5(g) | Date Analyzed: 04/11/2012 06:30

Soil Aliquot Vol: | Dilution Factor: 1

Soil Extract Vol.: | GC Column: ZB-624 (60) ID: 0.25(mm)

% Moisture: 7.0 | Level: (low/med) Low

Analysis Batch No.: 58994 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
79-20-9	Methyl acetate	ND		4.9	0.91
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	0.66
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	2.2
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	0.60
1330-20-7	Xylenes, Total	ND		9.8	0.82

CAS NO.	SURROGATE	%REC	Q	LIMITS
17060-07-0	1,2-Dichloroethane-d4 (Surr)	97		64-126
2037-26-5	Toluene-d8 (Surr)	109		71-125
460-00-4	4-Bromofluorobenzene (Surr)	108		72-126

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

Lab Name: TestAmerica Buffalo | Job No.: 480-18292-1

SDG No.:

Client Sample ID: RB-10 (12-24") | Lab Sample ID: 480-18292-2

Matrix: Solid | Lab File ID: F8006.D

Analysis Method: 8260B | Date Collected: 04/05/2012 15:30

Sample wt/vol: 5.5(g) | Date Analyzed: 04/11/2012 06:30

Soil Aliquot Vol: | Dilution Factor: 1

Soil Extract Vol.: | GC Column: ZB-624 (60) ID: 0.25(mm)

% Moisture: 7.0 | Level: (low/med) Low

Analysis Batch No.: 58994 | Units: ug/Kg

Number TICs Found: 2 | TIC Result Total: 54

CAS NO.	COMPOUND NAME	RT	RESULT	Q
287-92-3	Cyclopentane	3.77	38	T J N
556-67-2	Cyclotetrasiloxane, octamethyl-	9.64	16	T J N

TestAmerica Laboratories
Target Compound Quantitation Report

Data File:	\\Bufchrom\ChromData\HP5973F\20120410-10884.b\F8006.D		
Lims ID:	480-18292-F-2-A	Client ID:	RB-10 (12-24")
Inject. Date:	11-Apr-2012 06:30:30	Dil. Factor:	1.0000
Sample Type:	Client		
Sample ID:	480-18292-F-2-A		
Misc. Info.:	480-0010884-021 =480-0010884-021		
Operator:	CDC	Instrument ID:	HP5973F
Vol. Injected:	1.0000	ALS Bottle#:	16
Lims Batch ID:	58994	Lims Sample ID:	21
Detector:	MS SCAN		
Method:	\\Bufchrom\ChromData\HP5973F\20120410-10884.b\F-8260 SOIL.m		
Last Update:	11-Apr-2012 12:48:56	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: ByrnesJ		Date:	11-Apr-2012 12:27:30

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	445063	50.0	
* 2 Chlorobenzene-d5	82	8.494	8.494	0.0	80	181046	50.0	
* 3 1,4-Dichlorobenzene-d4	152	10.800	10.800	0.0	92	208072	50.0	
$ 4 1,2-Dichloroethane-d4 (Surr)	67	5.410	5.404	0.006	98	65876	48.7	
$ 5 Toluene-d8 (Surr)	98	7.040	7.040	0.0	91	466031	54.5	
$ 6 4-Bromofluorobenzene (Surr)	174	9.705	9.705	0.0	91	154122	54.1	
10 Dichlorodifluoromethane	85		2.052					
12 Chloromethane	50		2.204					
13 Vinyl chloride	62		2.325					
14 Bromomethane	94		2.624					
15 Chloroethane	64		2.703					
17 Trichlorofluoromethane	101		2.928					
21 1,1,2-Trichloro-1,2,2-trifluoroe	101		3.305					
22 1,1-Dichloroethene	96		3.335					
23 Acetone	43		3.384					
26 Carbon disulfide	76		3.560					
27 Methyl acetate	43		3.609					
30 Methylene Chloride	84		3.737					
32 Methyl tert-butyl ether	73		3.889					
34 trans-1,2-Dichloroethene	96		3.925					
39 1,1-Dichloroethane	63		4.266					
43 2-Butanone (MEK)	43		4.710					
45 cis-1,2-Dichloroethene	96		4.728					
50 Chloroform	83		4.972					
51 1,1,1-Trichloroethane	97		5.124					
52 Cyclohexane	56		5.148					
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		7.703					
83 Chlorodibromomethane	129		7.941					
84 Ethylene Dibromide	107		8.074					
87 Chlorobenzene	112		8.531					
88 Ethylbenzene	91		8.585					
90 m-Xylene & p-Xylene	106		8.701					
91 o-Xylene	106		9.139					
92 Styrene	104		9.157					
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		30.000					7

QC Flag Legend

Processing Flags
7 - Failed Limit of Detection

TestAmerica Laboratories
Tentatively Identified Quantitation Report

Data File:	\\Bufchrom\ChromData\HP5973F\20120410-10884.b\F8006.D		
Lims ID:	480-18292-F-2-A	Client ID:	RB-10 (12-24")
Inject. Date:	11-Apr-2012 06:30:30	Dil. Factor:	1.0000
Sample Type:	Client		
Sample ID:	480-18292-F-2-A		
Misc. Info.:	480-0010884-021 =480-0010884-021		
Operator:	CDC	Instrument ID:	HP5973F
Vol. Injected:	1.0000	ALS Bottle#:	16
Lims Batch ID:	58994	Lims Sample ID:	21
Detector:	MS SCAN		
Method:	\\Bufchrom\ChromData\HP5973F\20120410-10884.b\F-8260 SOIL.m		
Last Update:	11-Apr-2012 12:48:56	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:	0		
Process Host:	CORP-CTX-19		
First Level Reviewer: ByrnesJ		Date:	11-Apr-2012 12:27:30

Calibrated Tentative Identified Compound Results

Compound	RT	Response	Amount ug/kg	Flags
Hexane	4.078	7962	2.05	

Tentative Identified Compound Results

RT	Response	Amount ug/kg	Quant Cpnd	Qual	Lib Entry	Flags
287-92-3 Cyclopentane						
3.773	696269	38.4	1	86	3292	
556-67-2 Cyclotetrasiloxane, octamethyl-						
9.638	355150	16.6	2	87	97367	

Quantitation Compounds

Compound	RT	Response	Amount ug/kg
* 1 1,4-Difluorobenzene	5.714	907739	50.0
* 2 Chlorobenzene-d5	8.494	1069697	50.0

QC Flag Legend

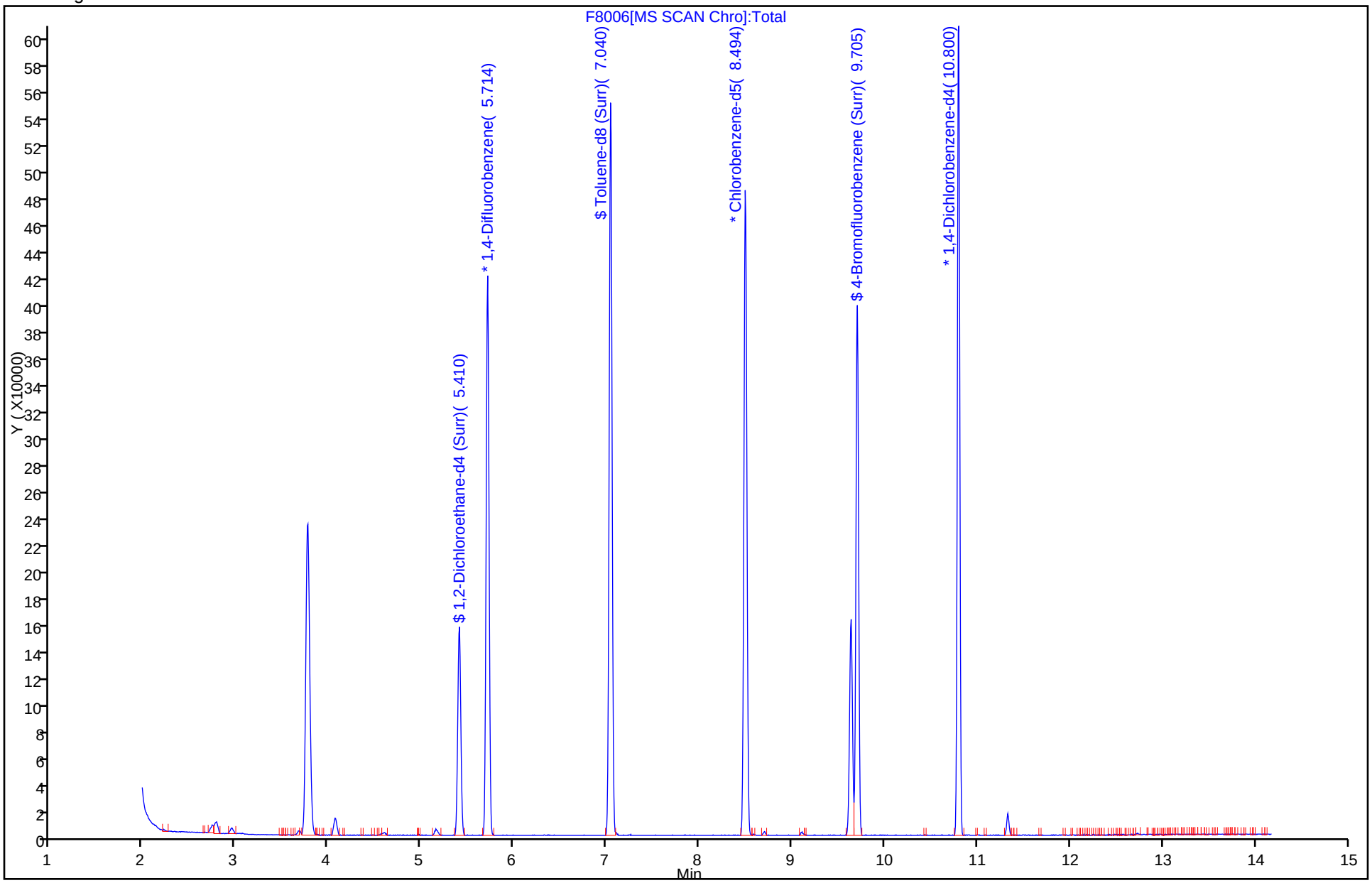
Processing Flags

Report Date: 18-Apr-2012 13:23:18 Chrom Revision: 2.0 20-Feb-2012 13:27:02

Data File: \\Bufchrom\ChromData\HP5973F\20120410-10884.b\F8006.D

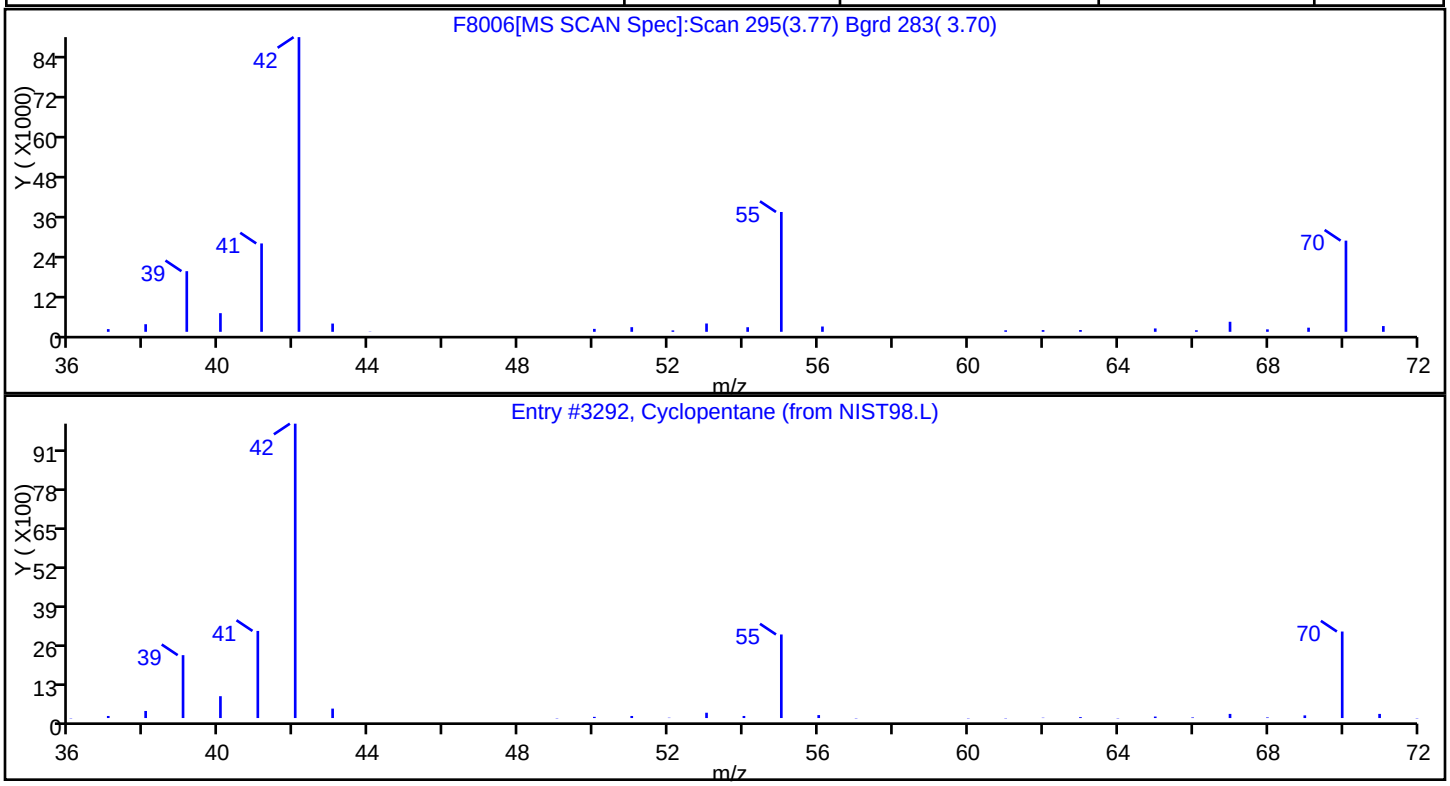
Injection Date:	11-Apr-2012 06:30:30	Limit Group:	MV - 8260B ICAL
Client ID:	RB-10 (12-24")	Instrument ID:	HP5973F
Lims Batch ID:	58994	Lims Sample ID:	21
Operator ID:	CDC		
Column Type:	ZB-624	Column Dia:	0.25 mm

Y Scaling:



Report Date: 18-Apr-2012 13:23:18 Chrom Revision: 2.0 20-Feb-2012 13:27:02
Data File: \\Bufchrom\ChromData\HP5973F\20120410-10884.b\F8006.D
Injection Date: 11-Apr-2012 06:30:30 Limit Group: MV - 8260B ICAL
Client ID: RB-10 (12-24") Instrument ID: HP5973F
Lims Batch ID: 58994 Lims Sample ID: 21
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	3292	86



Report Date: 18-Apr-2012 13:23:18 Chrom Revision: 2.0 20-Feb-2012 13:27:02

Data File: \\Bufchrom\ChromData\HP5973F\20120410-10884.b\F8006.D

Injection Date: 11-Apr-2012 06:30:30 Limit Group: MV - 8260B ICAL

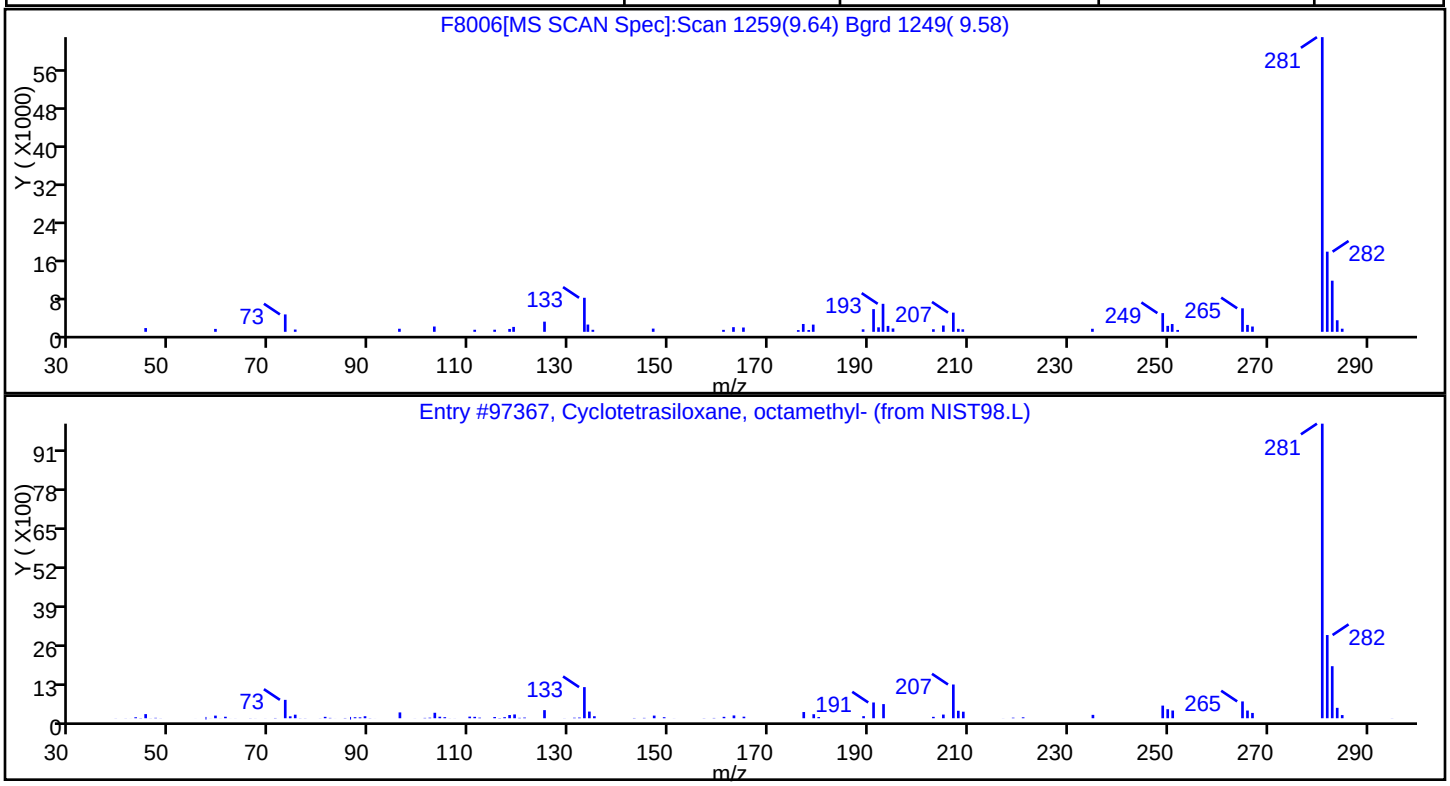
Client ID: RB-10 (12-24") Instrument ID: HP5973F

Lims Batch ID: 58994 Lims Sample ID: 21

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.: 480-18292-1

SDG No.:

Client Sample ID: RB-11 (0-6") | Lab Sample ID: 480-18292-3

Matrix: Solid | Lab File ID: F8007.D

Analysis Method: 8260B | Date Collected: 04/05/2012 17:00

Sample wt/vol: 4.7(g) | Date Analyzed: 04/11/2012 06:56

Soil Aliquot Vol: | Dilution Factor: 1

Soil Extract Vol.: | GC Column: ZB-624 (60) ID: 0.25(mm)

% Moisture: 6.1 | Level: (low/med) Low

Analysis Batch No.: 58994 | 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)	ND		28	2.1
108-10-1	4-Methyl-2-pentanone (MIBK)	ND		28	1.9
67-64-1	Acetone	ND		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	0.72
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	0.72
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	ND		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.: 480-18292-1

SDG No.:

Client Sample ID: RB-11 (0-6") | Lab Sample ID: 480-18292-3

Matrix: Solid | Lab File ID: F8007.D

Analysis Method: 8260B | Date Collected: 04/05/2012 17:00

Sample wt/vol: 4.7(g) | Date Analyzed: 04/11/2012 06:56

Soil Aliquot Vol: | Dilution Factor: 1

Soil Extract Vol.: | GC Column: ZB-624 (60) ID: 0.25(mm)

% Moisture: 6.1 | Level: (low/med) Low

Analysis Batch No.: 58994 | 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	0.75	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	1.2	J	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	0.99	J	11	0.95

CAS NO.	SURROGATE	%REC	Q	LIMITS
17060-07-0	1,2-Dichloroethane-d4 (Surr)	97		64-126
2037-26-5	Toluene-d8 (Surr)	107		71-125
460-00-4	4-Bromofluorobenzene (Surr)	110		72-126

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

Lab Name: TestAmerica Buffalo | Job No.: 480-18292-1

SDG No.:

Client Sample ID: RB-11 (0-6") | Lab Sample ID: 480-18292-3

Matrix: Solid | Lab File ID: F8007.D

Analysis Method: 8260B | Date Collected: 04/05/2012 17:00

Sample wt/vol: 4.7(g) | Date Analyzed: 04/11/2012 06:56

Soil Aliquot Vol: | Dilution Factor: 1

Soil Extract Vol.: | GC Column: ZB-624 (60) ID: 0.25(mm)

% Moisture: 6.1 | Level: (low/med) Low

Analysis Batch No.: 58994 | Units: ug/Kg

Number TICs Found: 5 | TIC Result Total: 257.89

CAS NO.	COMPOUND NAME	RT	RESULT	Q
	Unknown	2.78	6.9	T J
287-92-3	Cyclopentane	3.77	210	T J N
110-54-3	Hexane	4.07	8.0	J
179601-23-1	m-Xylene & p-Xylene	8.70	0.99	J
556-67-2	Cyclotetrasiloxane, octamethyl-	9.64	32	T J N

TestAmerica Laboratories
Target Compound Quantitation Report

Data File: \\Bufchrom\ChromData\HP5973F\20120410-10884.b\F8007.D
Lims ID: 480-18292-F-3-A
Client ID: RB-11 (0-6")
Inject. Date: 11-Apr-2012 06:56:30
Dil. Factor: 1.0000
Sample Type: Client
Sample ID: 480-18292-F-3-A
Misc. Info.: 480-0010884-022 =480-0010884-022
Operator: CDC
Instrument ID: HP5973F
Vol. Injected: 1.0000
ALS Bottle#: 17
Lims Batch ID: 58994
Lims Sample ID: 22
Detector: MS SCAN

Method: \\Bufchrom\ChromData\HP5973F\20120410-10884.b\F-8260 SOIL.m
Last Update: 11-Apr-2012 12:48:56
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: ByrnesJ
Date: 11-Apr-2012 12:28:02

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	452637	50.0	
* 2 Chlorobenzene-d5	82	8.494	8.494	0.0	82	186611	50.0	
* 3 1,4-Dichlorobenzene-d4	152	10.800	10.800	0.0	93	221909	50.0	
$ 4 1,2-Dichloroethane-d4 (Surr)	67	5.410	5.404	0.006	98	66944	48.7	
$ 5 Toluene-d8 (Surr)	98	7.040	7.040	0.0	91	473707	53.7	
$ 6 4-Bromofluorobenzene (Surr)	174	9.705	9.705	0.0	91	162059	55.2	
10 Dichlorodifluoromethane	85		2.052					
12 Chloromethane	50		2.204					
13 Vinyl chloride	62		2.325					
14 Bromomethane	94		2.624					
15 Chloroethane	64		2.703					
17 Trichlorofluoromethane	101		2.928					
21 1,1,2-Trichloro-1,2,2-trifluoroe	101		3.305					
22 1,1-Dichloroethene	96		3.335					
23 Acetone	43		3.384					
26 Carbon disulfide	76		3.560					
27 Methyl acetate	43		3.609					
30 Methylene Chloride	84		3.737					
32 Methyl tert-butyl ether	73		3.889					
34 trans-1,2-Dichloroethene	96		3.925					
39 1,1-Dichloroethane	63		4.266					
43 2-Butanone (MEK)	43		4.710					
45 cis-1,2-Dichloroethene	96		4.728					
50 Chloroform	83		4.972					
51 1,1,1-Trichloroethane	97		5.124					
52 Cyclohexane	56		5.148					
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	44	2823	1.08	
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	47	4104	0.6607	
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		7.703					
83 Chlorodibromomethane	129		7.941					
84 Ethylene Dibromide	107		8.074					
87 Chlorobenzene	112		8.531					
88 Ethylbenzene	91		8.585					
90 m-Xylene & p-Xylene	106	8.701	8.701	0.0	37	4174	0.8719	
91 o-Xylene	106		9.139					
92 Styrene	104		9.157					
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		0.8719	

TestAmerica Laboratories
Tentatively Identified Quantitation Report

Data File:	\\Bufchrom\ChromData\HP5973F\20120410-10884.b\F8007.D		
Lims ID:	480-18292-F-3-A	Client ID:	RB-11 (0-6")
Inject. Date:	11-Apr-2012 06:56:30	Dil. Factor:	1.0000
Sample Type:	Client		
Sample ID:	480-18292-F-3-A		
Misc. Info.:	480-0010884-022 =480-0010884-022		
Operator:	CDC	Instrument ID:	HP5973F
Vol. Injected:	1.0000	ALS Bottle#:	17
Lims Batch ID:	58994	Lims Sample ID:	22
Detector:	MS SCAN		
Method:	\\Bufchrom\ChromData\HP5973F\20120410-10884.b\F-8260 SOIL.m		
Last Update:	11-Apr-2012 12:48:56	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:	0		
Process Host:	CORP-CTX-19		
First Level Reviewer: ByrnesJ		Date:	11-Apr-2012 12:28:02

Calibrated Tentative Identified Compound Results

Compound	RT	Response	Amount ug/kg	Flags
Hexane	4.071	27915	7.06	

Tentative Identified Compound Results

RT	Response	Amount ug/kg	Quant Cpnd	Qual	Lib Entry	Flags
	Unknown					
2.782	112019	6.06	1			
	287-92-3	Cyclopentane				
3.773	3476345	188.2	1	86	3292	
	556-67-2	Cyclotetrasiloxane, octamethyl-				
9.638	616912	28.0	2	90	97367	

Quantitation Compounds

Compound	RT	Response	Amount ug/kg
* 1 1,4-Difluorobenzene	5.714	923781	50.0
* 2 Chlorobenzene-d5	8.494	1102166	50.0

QC Flag Legend

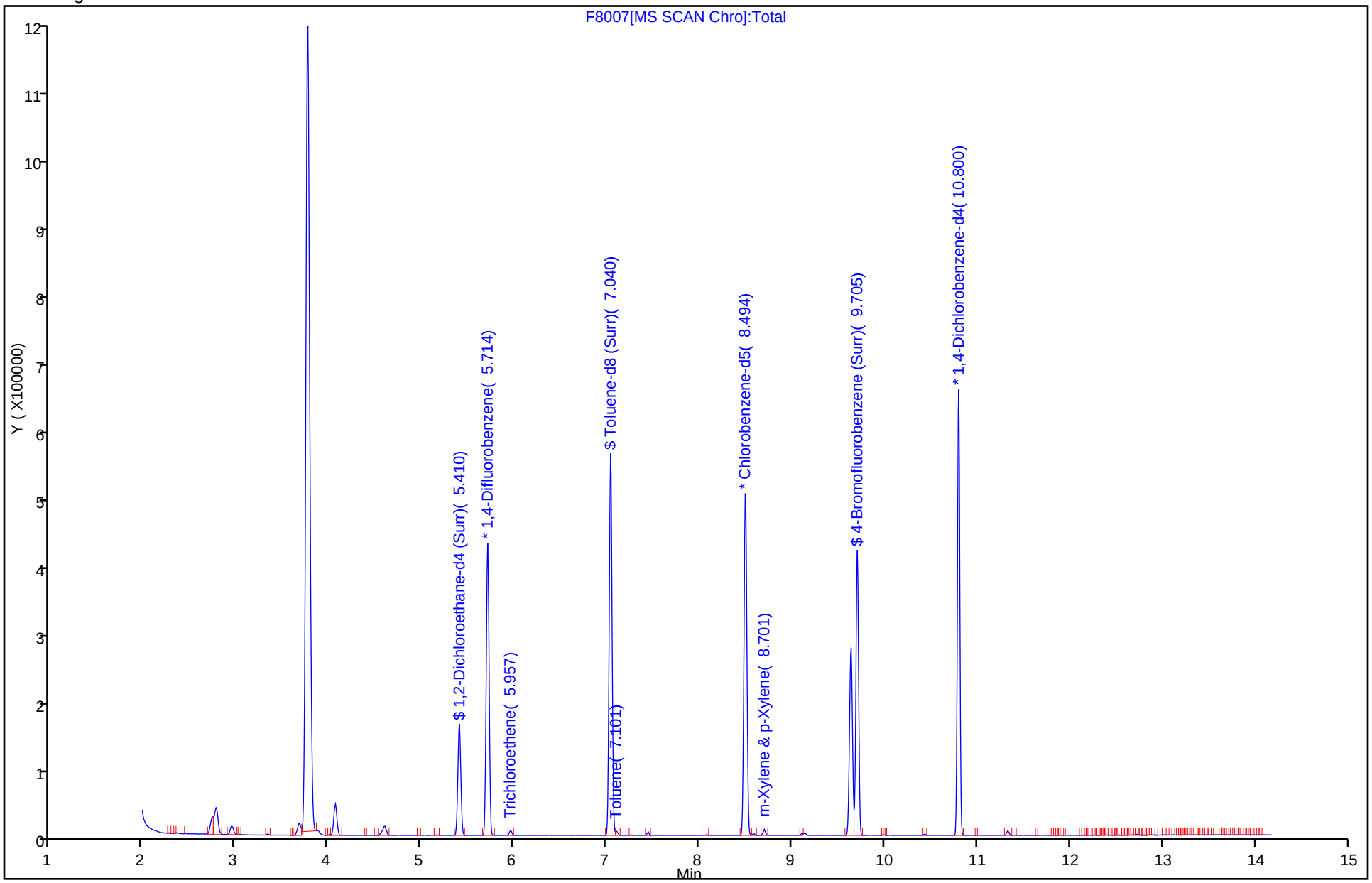
Processing Flags

Report Date: 18-Apr-2012 13:23:20 Chrom Revision: 2.0 20-Feb-2012 13:27:02

Data File: \\Bufchrom\ChromData\HP5973F\20120410-10884.b\F8007.D

Injection Date:	11-Apr-2012 06:56:30	Limit Group:	MV - 8260B ICAL
Client ID:	RB-11 (0-6")	Instrument ID:	HP5973F
Lims Batch ID:	58994	Lims Sample ID:	22
Operator ID:	CDC		
Column Type:	ZB-624	Column Dia:	0.25 mm

Y Scaling:

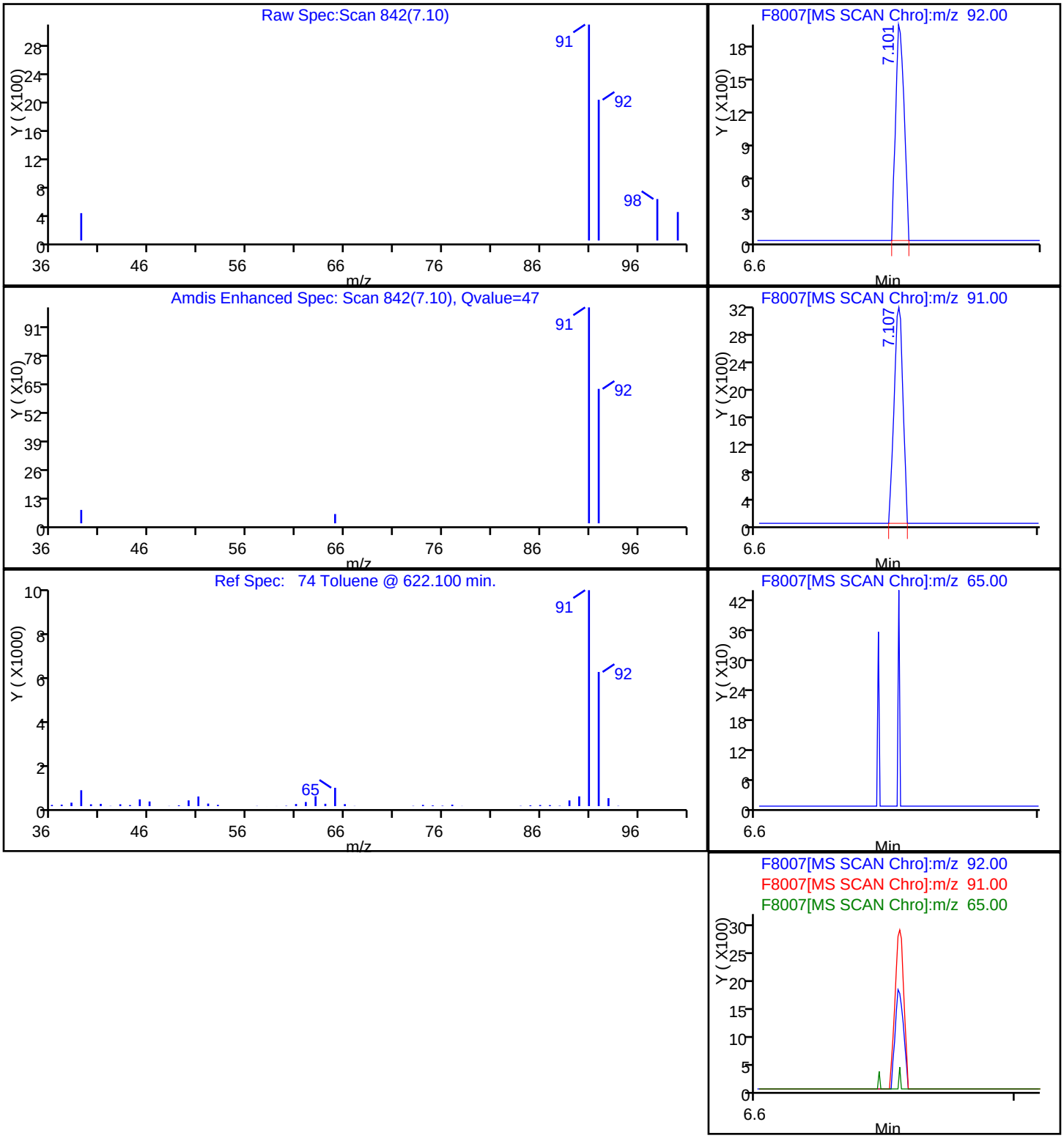


Report Date: 18-Apr-2012 13:23:20 Chrom Revision: 2.0 20-Feb-2012 13:27:02

Data File: \\Bufchrom\ChromData\HP5973F\20120410-10884.b\F8007.D

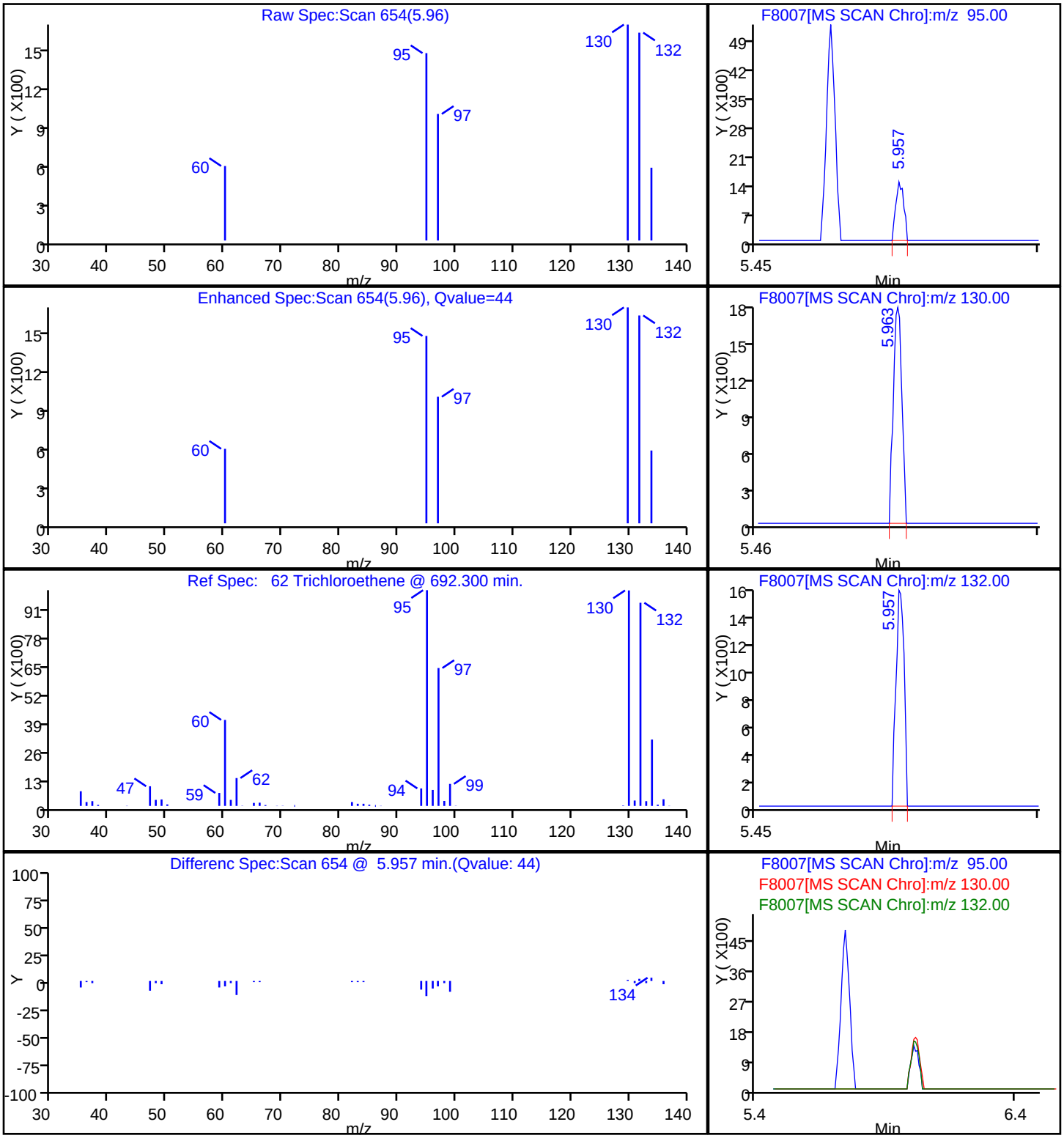
Injection Date:	11-Apr-2012 06:56:30	Limit Group:	MV - 8260B ICAL
Client ID:	RB-11 (0-6")	Instrument ID:	HP5973F
Lims Batch ID:	58994	Lims Sample ID:	22
Operator ID:	CDC		
Column Type:	ZB-624	Column Dia:	0.25 mm

74 Toluene

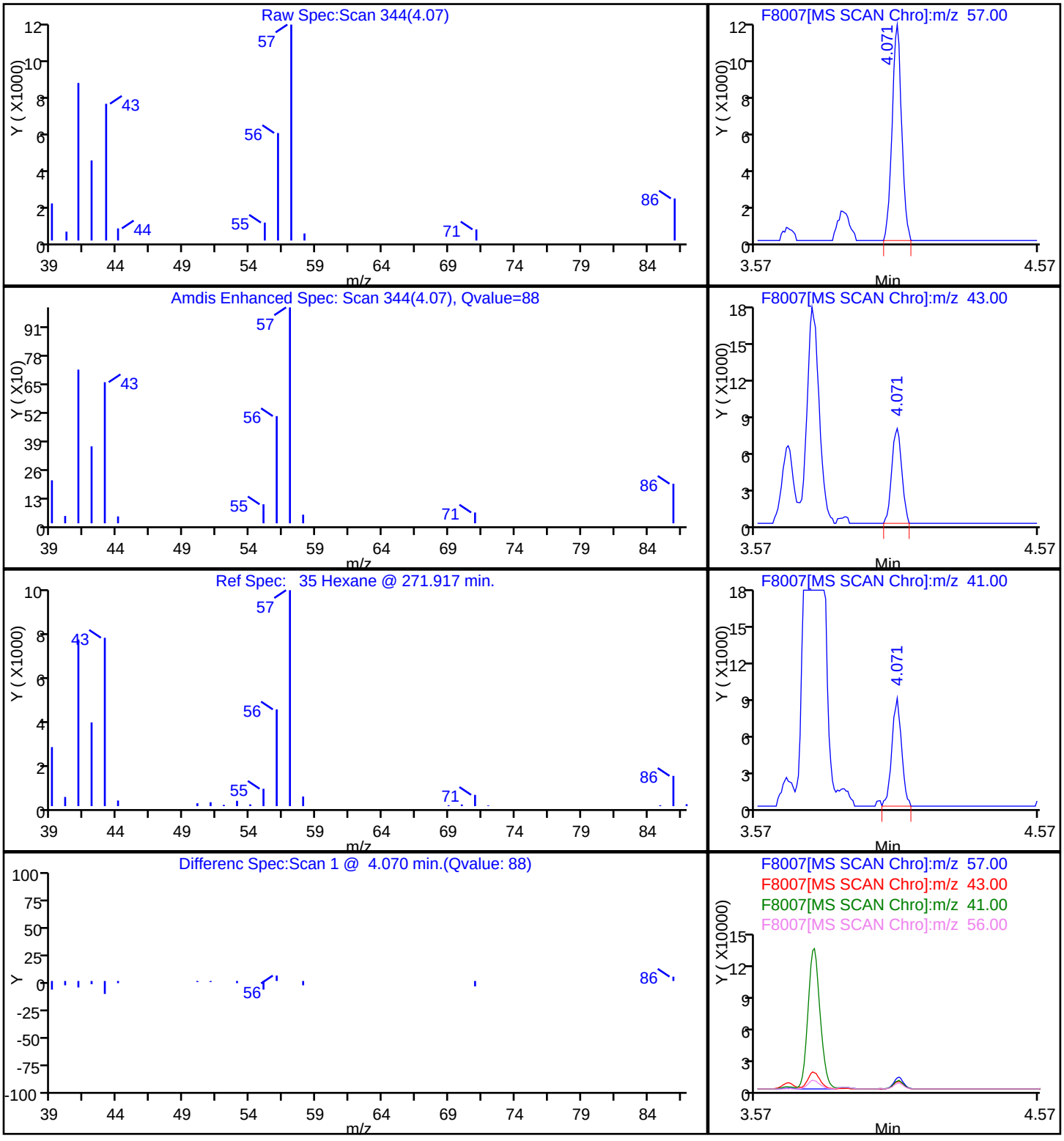


Report Date: 18-Apr-2012 13:23:20 Chrom Revision: 2.0 20-Feb-2012 13:27:02
Data File: \\Bufchrom\ChromData\HP5973F\20120410-10884.b\F8007.D
Injection Date: 11-Apr-2012 06:56:30 Limit Group: MV - 8260B ICAL
Client ID: RB-11 (0-6") Instrument ID: HP5973F
Lims Batch ID: 58994 Lims Sample ID: 22
Operator ID: CDC
Column Type: ZB-624 Column Dia: 0.25 mm

62 Trichloroethene



Report Date: 18-Apr-2012 13:23:20 Chrom Revision: 2.0 20-Feb-2012 13:27:02
Data File: \\Bufchrom\ChromData\HP5973F\20120410-10884.b\F8007.D
Injection Date: 11-Apr-2012 06:56:30 Limit Group: MV - 8260B ICAL
Client ID: RB-11 (0-6") Instrument ID: HP5973F
Lims Batch ID: 58994 Lims Sample ID: 22
Operator ID: CDC
Column Type: ZB-624 Column Dia: 0.25 mm
35 Hexane

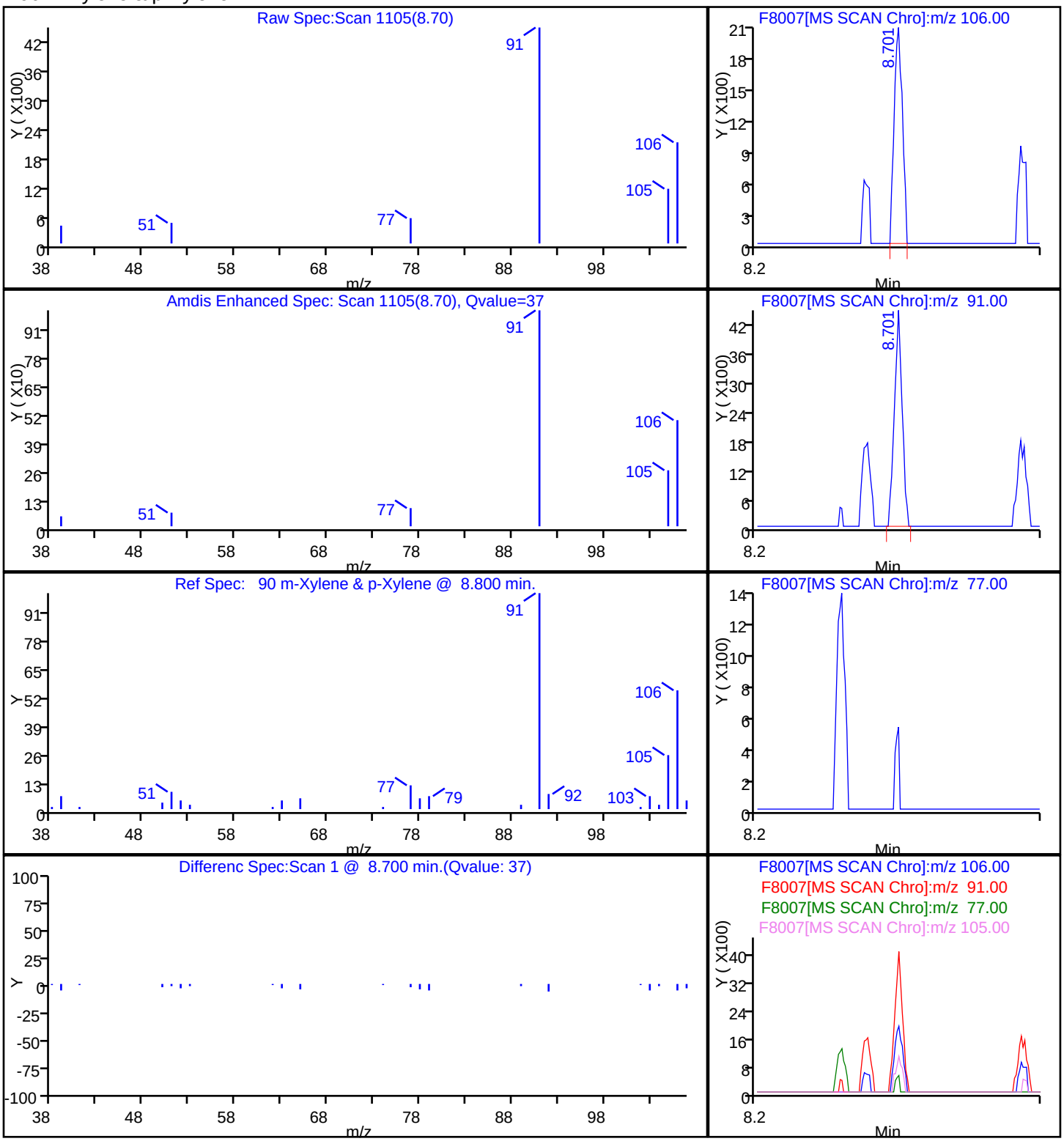


Report Date: 18-Apr-2012 13:23:20 Chrom Revision: 2.0 20-Feb-2012 13:27:02

Data File: \\Bufchrom\ChromData\HP5973F\20120410-10884.b\F8007.D

Injection Date:	11-Apr-2012 06:56:30	Limit Group:	MV - 8260B ICAL
Client ID:	RB-11 (0-6")	Instrument ID:	HP5973F
Lims Batch ID:	58994	Lims Sample ID:	22
Operator ID:	CDC		
Column Type:	ZB-624	Column Dia:	0.25 mm

90 m-Xylene & p-Xylene

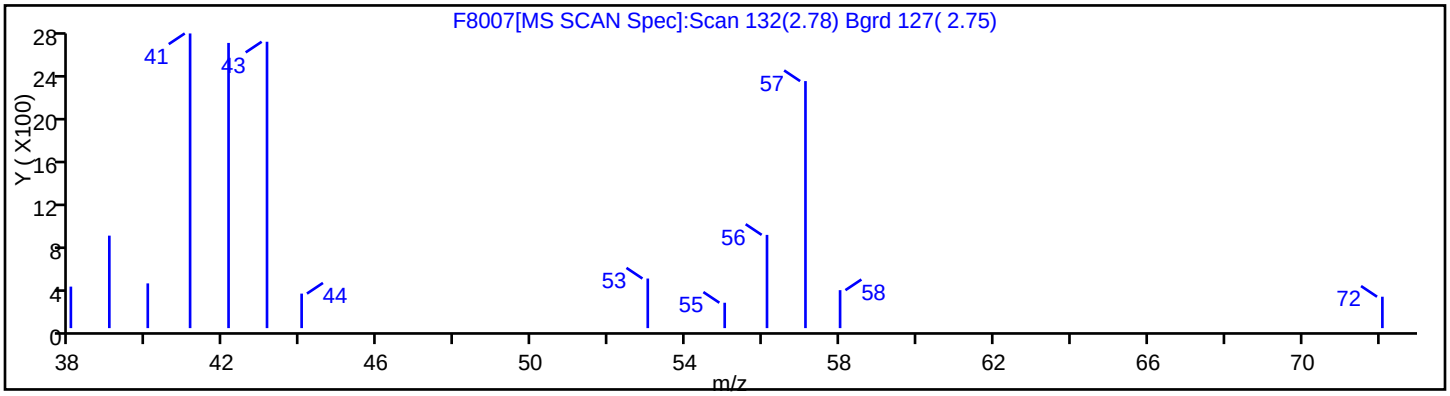


Report Date: 18-Apr-2012 13:23:20 Chrom Revision: 2.0 20-Feb-2012 13:27:02

Data File: \\Bufchrom\ChromData\HP5973F\20120410-10884.b\F8007.D

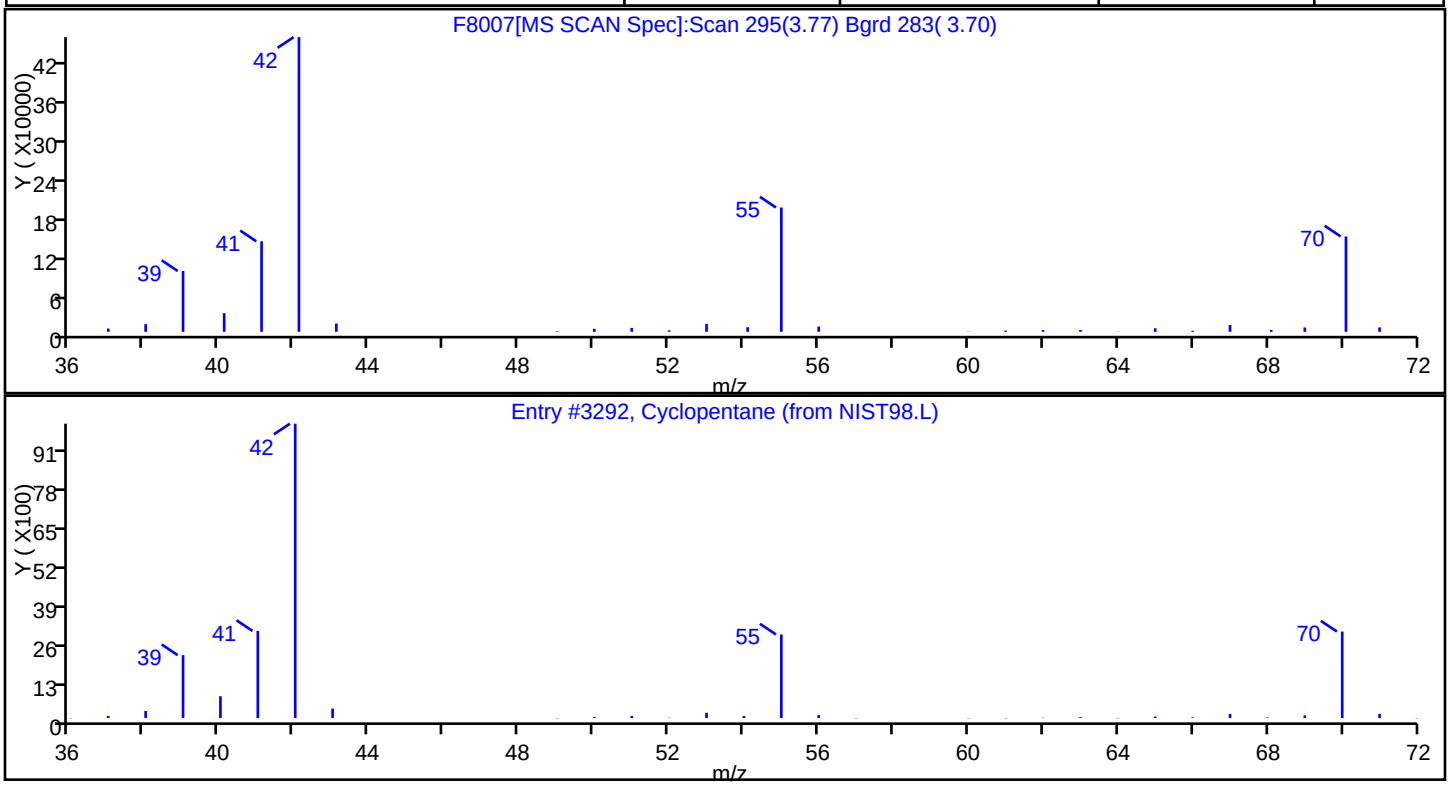
Injection Date:	11-Apr-2012 06:56:30	Limit Group:	MV - 8260B ICAL
Client ID:	RB-11 (0-6")	Instrument ID:	HP5973F
Lims Batch ID:	58994	Lims Sample ID:	22
Operator ID:	CDC		
Column Type:	ZB-624	Column Dia:	0.25 mm

No Library Matches Found above the Threshold: 0



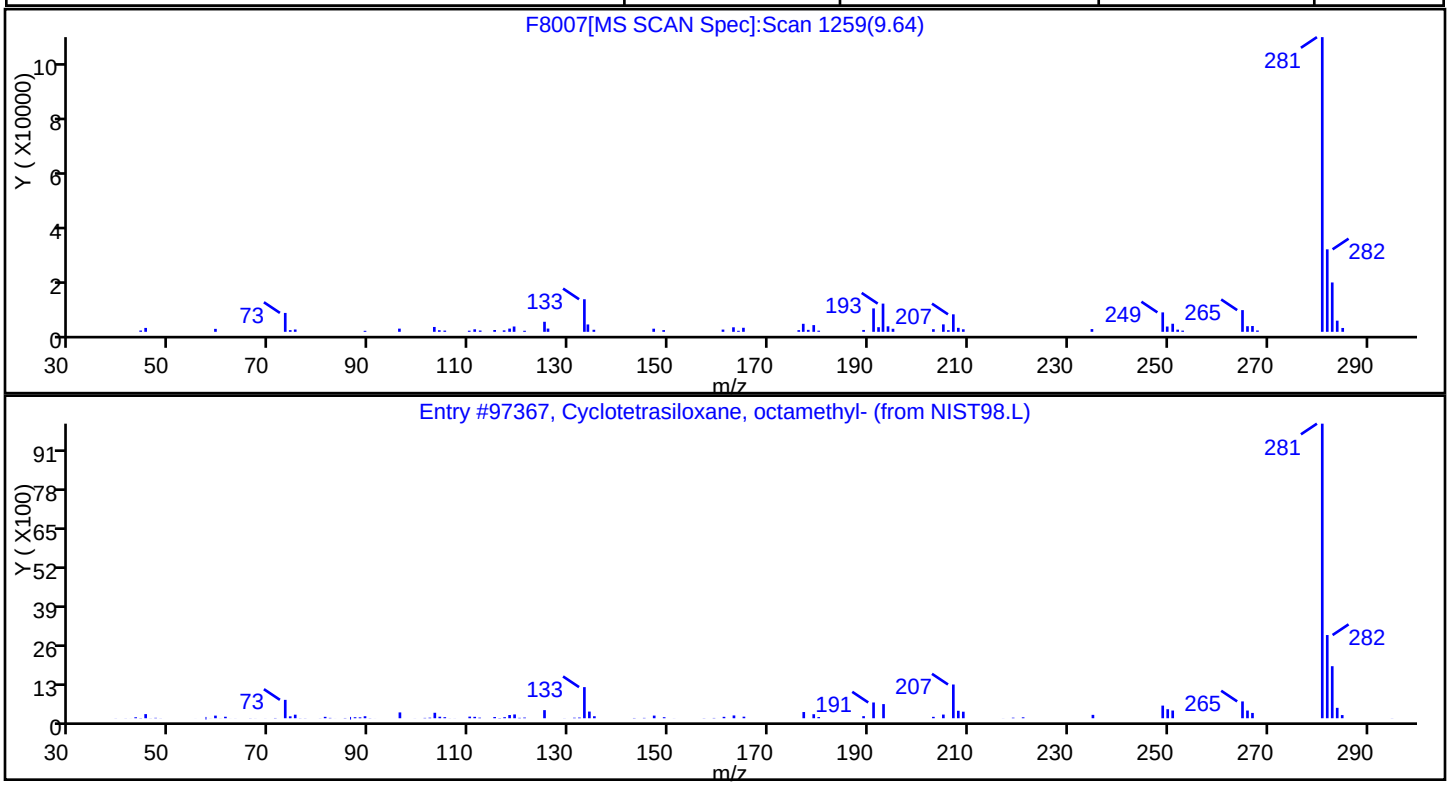
Report Date: 18-Apr-2012 13:23:20 Chrom Revision: 2.0 20-Feb-2012 13:27:02
Data File: \\Bufchrom\ChromData\HP5973F\20120410-10884.b\F8007.D
Injection Date: 11-Apr-2012 06:56:30 Limit Group: MV - 8260B ICAL
Client ID: RB-11 (0-6") Instrument ID: HP5973F
Lims Batch ID: 58994 Lims Sample ID: 22
Operator 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	3292	86



Report Date: 18-Apr-2012 13:23:20 Chrom Revision: 2.0 20-Feb-2012 13:27:02
Data File: \\Bufchrom\ChromData\HP5973F\20120410-10884.b\F8007.D
Injection Date: 11-Apr-2012 06:56:30 Limit Group: MV - 8260B ICAL
Client ID: RB-11 (0-6") Instrument ID: HP5973F
Lims Batch ID: 58994 Lims Sample ID: 22
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	90



FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Buffalo | Job No.: 480-18292-1

SDG No.:

Client Sample ID: RB-12 (0-6") | Lab Sample ID: 480-18292-4

Matrix: Solid | Lab File ID: F8008.D

Analysis Method: 8260B | Date Collected: 04/05/2012 17:10

Sample wt/vol: 5.7(g) | Date Analyzed: 04/11/2012 07:21

Soil Aliquot Vol: | Dilution Factor: 1

Soil Extract Vol.: | GC Column: ZB-624 (60) ID: 0.25(mm)

% Moisture: 4.3 | Level: (low/med) Low

Analysis Batch No.: 58994 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
71-55-6	1,1,1-Trichloroethane	ND		4.6	0.33
79-34-5	1,1,2,2-Tetrachloroethane	ND		4.6	0.74
79-00-5	1,1,2-Trichloroethane	ND		4.6	0.60
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	ND		4.6	1.0
75-34-3	1,1-Dichloroethane	ND		4.6	0.56
75-35-4	1,1-Dichloroethene	ND		4.6	0.56
120-82-1	1,2,4-Trichlorobenzene	ND		4.6	0.28
96-12-8	1,2-Dibromo-3-Chloropropane	ND		4.6	2.3
106-93-4	1,2-Dibromoethane	ND		4.6	0.59
95-50-1	1,2-Dichlorobenzene	ND		4.6	0.36
107-06-2	1,2-Dichloroethane	ND		4.6	0.23
78-87-5	1,2-Dichloropropane	ND		4.6	2.3
541-73-1	1,3-Dichlorobenzene	ND		4.6	0.24
106-46-7	1,4-Dichlorobenzene	ND		4.6	0.64
591-78-6	2-Hexanone	ND		23	2.3
78-93-3	2-Butanone (MEK)	ND		23	1.7
108-10-1	4-Methyl-2-pentanone (MIBK)	ND		23	1.5
67-64-1	Acetone	ND		23	3.9
71-43-2	Benzene	ND		4.6	0.22
75-27-4	Bromodichloromethane	ND		4.6	0.61
75-25-2	Bromoform	ND		4.6	2.3
74-83-9	Bromomethane	ND		4.6	0.41
75-15-0	Carbon disulfide	ND		4.6	2.3
56-23-5	Carbon tetrachloride	ND		4.6	0.44
108-90-7	Chlorobenzene	ND		4.6	0.61
124-48-1	Dibromochloromethane	ND		4.6	0.59
75-00-3	Chloroethane	ND		4.6	1.0
67-66-3	Chloroform	ND		4.6	0.28
74-87-3	Chloromethane	ND		4.6	0.28
156-59-2	cis-1,2-Dichloroethene	ND		4.6	0.59
10061-01-5	cis-1,3-Dichloropropene	ND		4.6	0.66
110-82-7	Cyclohexane	ND		4.6	0.64
75-71-8	Dichlorodifluoromethane	ND		4.6	0.38
100-41-4	Ethylbenzene	ND		4.6	0.32
98-82-8	Isopropylbenzene	ND		4.6	0.69

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Buffalo | Job No.: 480-18292-1

SDG No.:

Client Sample ID: RB-12 (0-6") | Lab Sample ID: 480-18292-4

Matrix: Solid | Lab File ID: F8008.D

Analysis Method: 8260B | Date Collected: 04/05/2012 17:10

Sample wt/vol: 5.7(g) | Date Analyzed: 04/11/2012 07:21

Soil Aliquot Vol: | Dilution Factor: 1

Soil Extract Vol.: | GC Column: ZB-624 (60) ID: 0.25(mm)

% Moisture: 4.3 | Level: (low/med) Low

Analysis Batch No.: 58994 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
79-20-9	Methyl acetate	ND		4.6	0.85
1634-04-4	Methyl tert-butyl ether	ND		4.6	0.45
108-87-2	Methylcyclohexane	ND		4.6	0.70
75-09-2	Methylene Chloride	ND		4.6	2.1
100-42-5	Styrene	ND		4.6	0.23
127-18-4	Tetrachloroethene	ND		4.6	0.62
108-88-3	Toluene	0.67	J	4.6	0.35
156-60-5	trans-1,2-Dichloroethene	ND		4.6	0.47
10061-02-6	trans-1,3-Dichloropropene	ND		4.6	2.0
79-01-6	Trichloroethene	ND		4.6	1.0
75-69-4	Trichlorofluoromethane	ND		4.6	0.43
75-01-4	Vinyl chloride	ND		4.6	0.56
1330-20-7	Xylenes, Total	0.77	J	9.2	0.77

CAS NO.	SURROGATE	%REC	Q	LIMITS
17060-07-0	1,2-Dichloroethane-d4 (Surr)	98		64-126
2037-26-5	Toluene-d8 (Surr)	108		71-125
460-00-4	4-Bromofluorobenzene (Surr)	110		72-126

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

Lab Name: TestAmerica Buffalo | Job No.: 480-18292-1

SDG No.:

Client Sample ID: RB-12 (0-6") | Lab Sample ID: 480-18292-4

Matrix: Solid | Lab File ID: F8008.D

Analysis Method: 8260B | Date Collected: 04/05/2012 17:10

Sample wt/vol: 5.7(g) | Date Analyzed: 04/11/2012 07:21

Soil Aliquot Vol: | Dilution Factor: 1

Soil Extract Vol.: | GC Column: ZB-624 (60) ID: 0.25(mm)

% Moisture: 4.3 | Level: (low/med) Low

Analysis Batch No.: 58994 | Units: ug/Kg

Number TICs Found: 3 | TIC Result Total: 77.77

CAS NO.	COMPOUND NAME	RT	RESULT	Q
287-92-3	Cyclopentane	3.77	66	T J N
179601-23-1	m-Xylene & p-Xylene	8.71	0.77	J
556-67-2	Cyclotetrasiloxane, octamethyl-	9.64	11	T J N

TestAmerica Laboratories
Target Compound Quantitation Report

Data File:	\\Bufchrom\ChromData\HP5973F\20120410-10884.b\F8008.D		
Lims ID:	480-18292-G-4-A	Client ID:	RB-12 (0-6")
Inject. Date:	11-Apr-2012 07:21:30	Dil. Factor:	1.0000
Sample Type:	Client		
Sample ID:	480-18292-G-4-A		
Misc. Info.:	480-0010884-023 =480-0010884-023		
Operator:	CDC	Instrument ID:	HP5973F
Vol. Injected:	1.0000	ALS Bottle#:	18
Lims Batch ID:	58994	Lims Sample ID:	23
Detector:	MS SCAN		
Method:	\\Bufchrom\ChromData\HP5973F\20120410-10884.b\F-8260 SOIL.m		
Last Update:	11-Apr-2012 12:48:56	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: ByrnesJ		Date:	11-Apr-2012 12:30:18

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	449010	50.0	
* 2 Chlorobenzene-d5	82	8.494	8.494	0.0	81	184587	50.0	
* 3 1,4-Dichlorobenzene-d4	152	10.800	10.800	0.0	92	220809	50.0	
$ 4 1,2-Dichloroethane-d4 (Surr)	67	5.410	5.404	0.006	99	66627	48.8	
$ 5 Toluene-d8 (Surr)	98	7.040	7.040	0.0	91	469087	53.8	
$ 6 4-Bromofluorobenzene (Surr)	174	9.705	9.705	0.0	92	159897	55.1	
10 Dichlorodifluoromethane	85		2.052					
12 Chloromethane	50		2.204					
13 Vinyl chloride	62		2.325					
14 Bromomethane	94		2.624					
15 Chloroethane	64		2.703					
17 Trichlorofluoromethane	101		2.928					
21 1,1,2-Trichloro-1,2,2-trifluoroe	101		3.305					
22 1,1-Dichloroethene	96		3.335					
23 Acetone	43		3.384					
26 Carbon disulfide	76		3.560					
27 Methyl acetate	43		3.609					
30 Methylene Chloride	84		3.737					
32 Methyl tert-butyl ether	73		3.889					
34 trans-1,2-Dichloroethene	96		3.925					
39 1,1-Dichloroethane	63		4.266					
43 2-Butanone (MEK)	43		4.710					
45 cis-1,2-Dichloroethene	96		4.728					
50 Chloroform	83		4.972					
51 1,1,1-Trichloroethane	97		5.124					
52 Cyclohexane	56		5.148					
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	45	4464	0.7265	
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		7.703					
83 Chlorodibromomethane	129		7.941					
84 Ethylene Dibromide	107		8.074					
87 Chlorobenzene	112		8.531					
88 Ethylbenzene	91		8.585					
90 m-Xylene & p-Xylene	106	8.707	8.701	0.006	31	3978	0.8401	
91 o-Xylene	106		9.139					
92 Styrene	104		9.157					
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		0.8401	

TestAmerica Laboratories
Tentatively Identified Quantitation Report

Data File:	\\Bufchrom\ChromData\HP5973F\20120410-10884.b\F8008.D		
Lims ID:	480-18292-G-4-A	Client ID:	RB-12 (0-6")
Inject. Date:	11-Apr-2012 07:21:30	Dil. Factor:	1.0000
Sample Type:	Client		
Sample ID:	480-18292-G-4-A		
Misc. Info.:	480-0010884-023 =480-0010884-023		
Operator:	CDC	Instrument ID:	HP5973F
Vol. Injected:	1.0000	ALS Bottle#:	18
Lims Batch ID:	58994	Lims Sample ID:	23
Detector:	MS SCAN		
Method:	\\Bufchrom\ChromData\HP5973F\20120410-10884.b\F-8260 SOIL.m		
Last Update:	11-Apr-2012 12:48:56	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:	0		
Process Host:	CORP-CTX-19		
First Level Reviewer: ByrnesJ		Date:	11-Apr-2012 12:30:18

Calibrated Tentative Identified Compound Results

Compound	RT	Response	Amount ug/kg	Flags
Hexane	4.065	11074	2.82	

Tentative Identified Compound Results

RT	Response	Amount ug/kg	Quant Cpnd	Qual	Lib Entry	Flags
287-92-3 Cyclopentane						
3.767	1315604	71.9	1	87	109034	
556-67-2 Cyclotetrasiloxane, octamethyl-						
9.638	255159	11.7	2	90	128142	

Quantitation Compounds

Compound	RT	Response	Amount ug/kg
* 1 1,4-Difluorobenzene	5.714	914299	50.0
* 2 Chlorobenzene-d5	8.494	1087927	50.0

QC Flag Legend

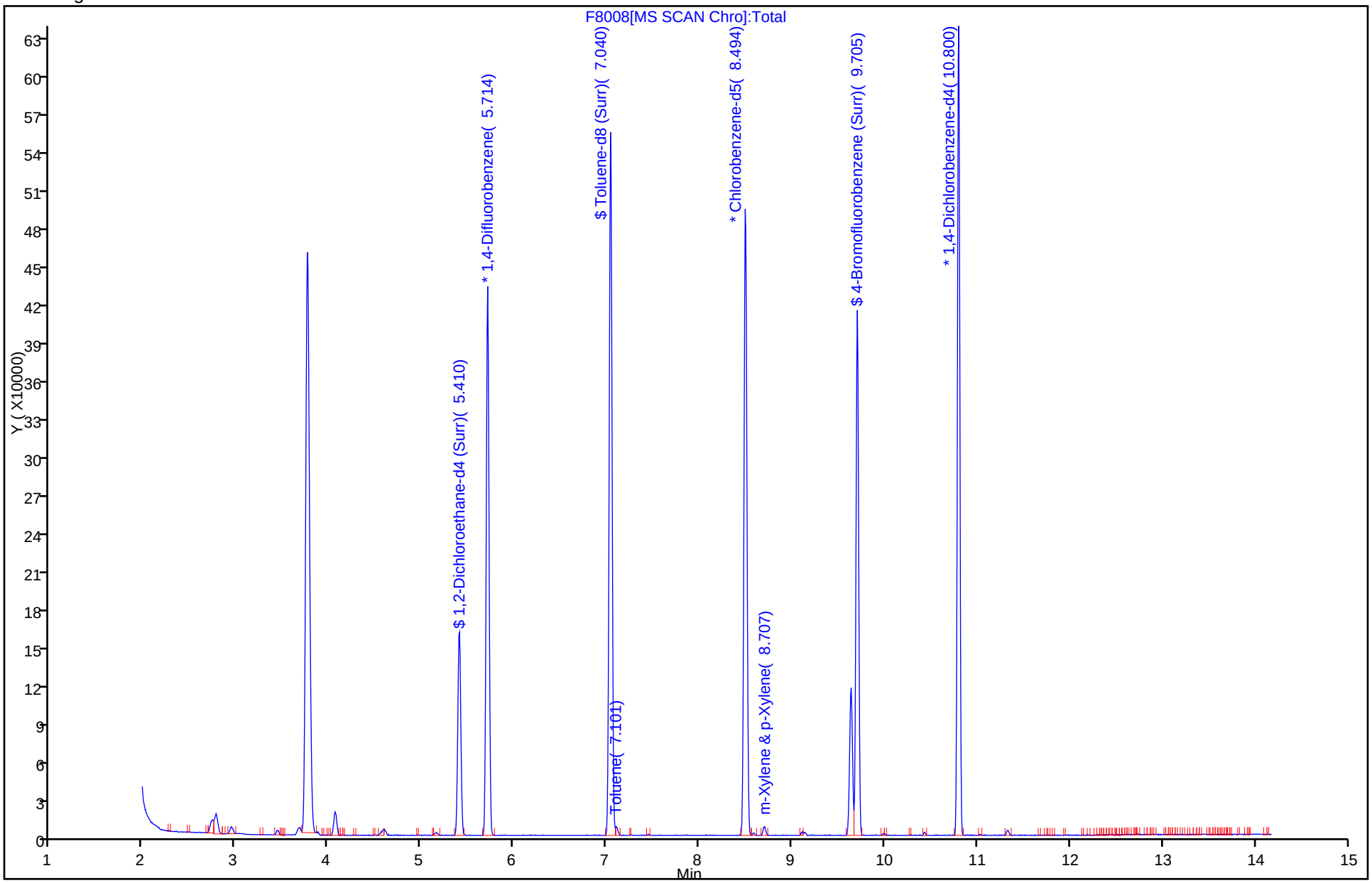
Processing Flags

Report Date: 18-Apr-2012 13:23:22 Chrom Revision: 2.0 20-Feb-2012 13:27:02

Data File: \\Bufchrom\ChromData\HP5973F\20120410-10884.b\F8008.D

Injection Date:	11-Apr-2012 07:21:30	Limit Group:	MV - 8260B ICAL
Client ID:	RB-12 (0-6")	Instrument ID:	HP5973F
Lims Batch ID:	58994	Lims Sample ID:	23
Operator ID:	CDC		
Column Type:	ZB-624	Column Dia:	0.25 mm

Y Scaling:

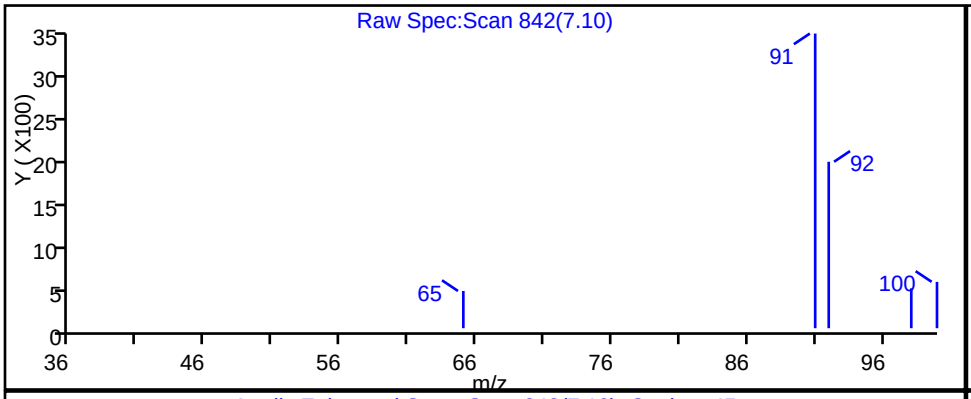


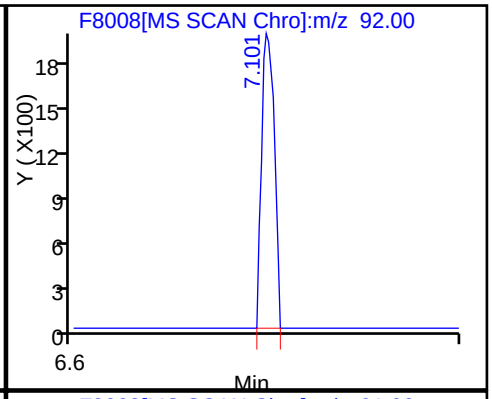
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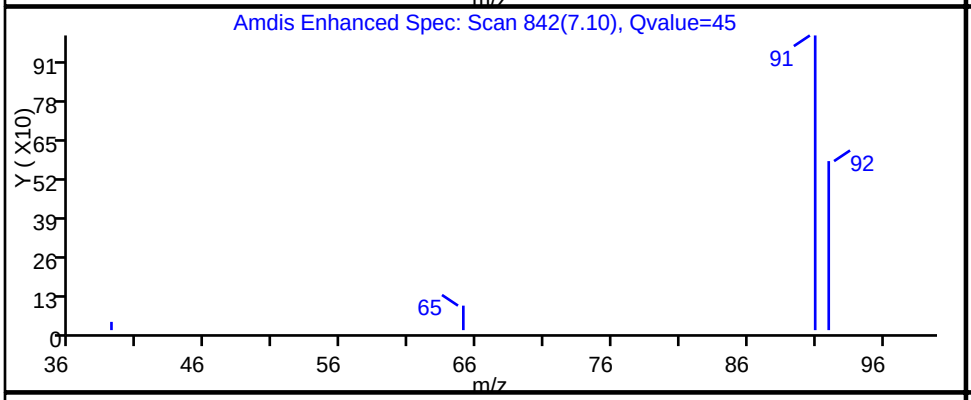
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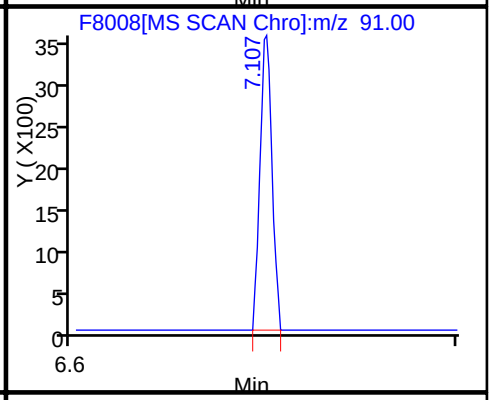
Injection Date:	11-Apr-2012 07:21:30	Limit Group:	MV - 8260B ICAL
Client ID:	RB-12 (0-6")	Instrument ID:	HP5973F
Lims Batch ID:	58994	Lims Sample ID:	23
Operator ID:	CDC		
Column Type:	ZB-624	Column Dia:	0.25 mm

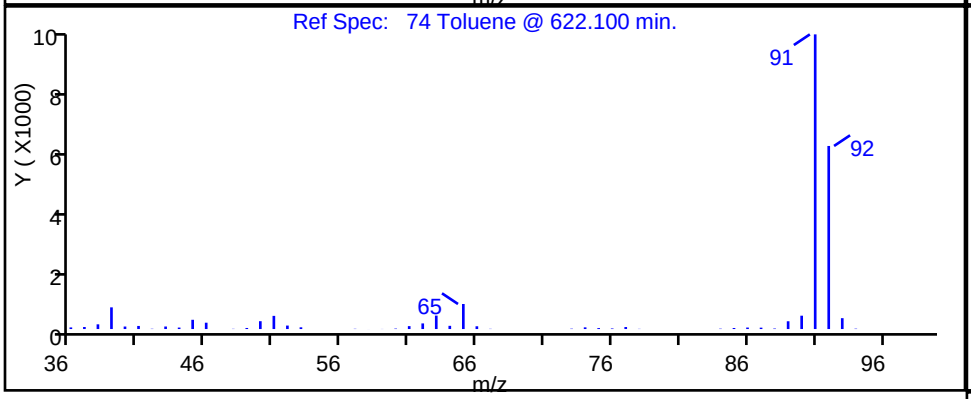
74 Toluene

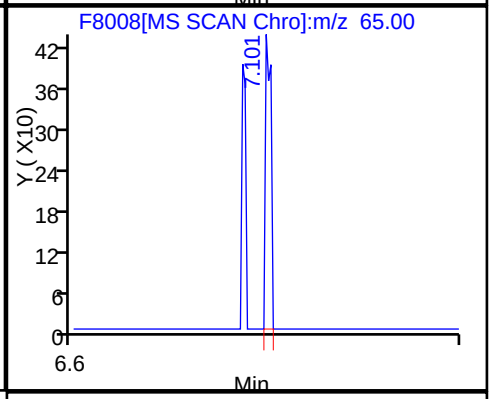


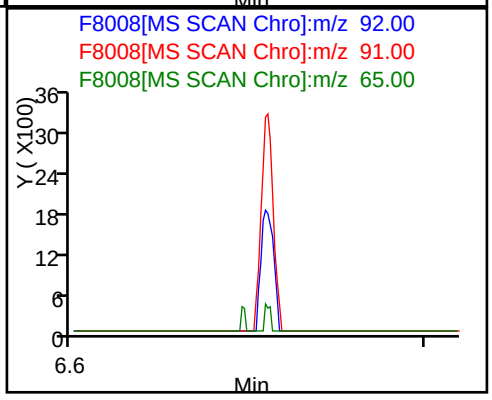










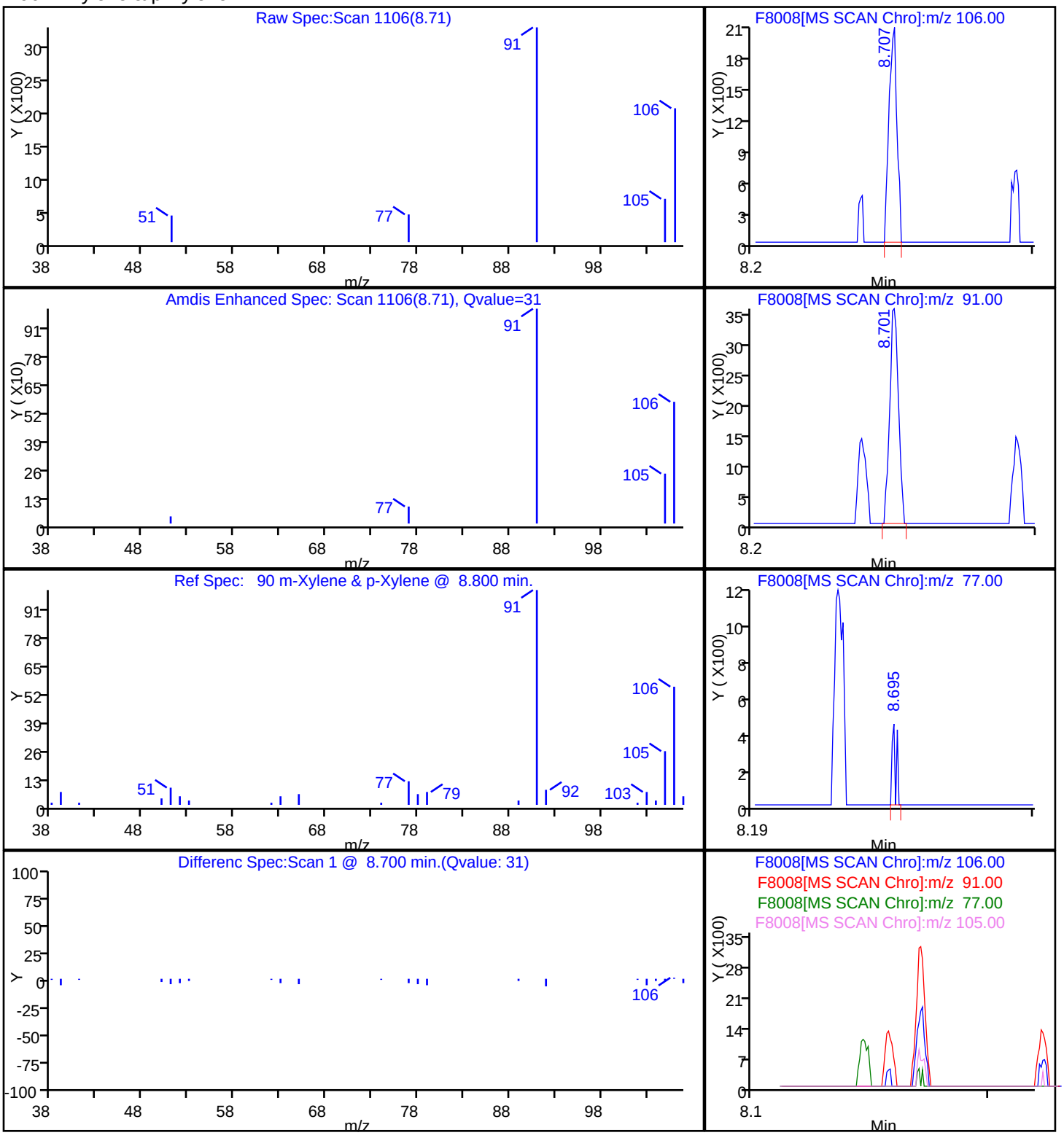


Report Date: 18-Apr-2012 13:23:22 Chrom Revision: 2.0 20-Feb-2012 13:27:02

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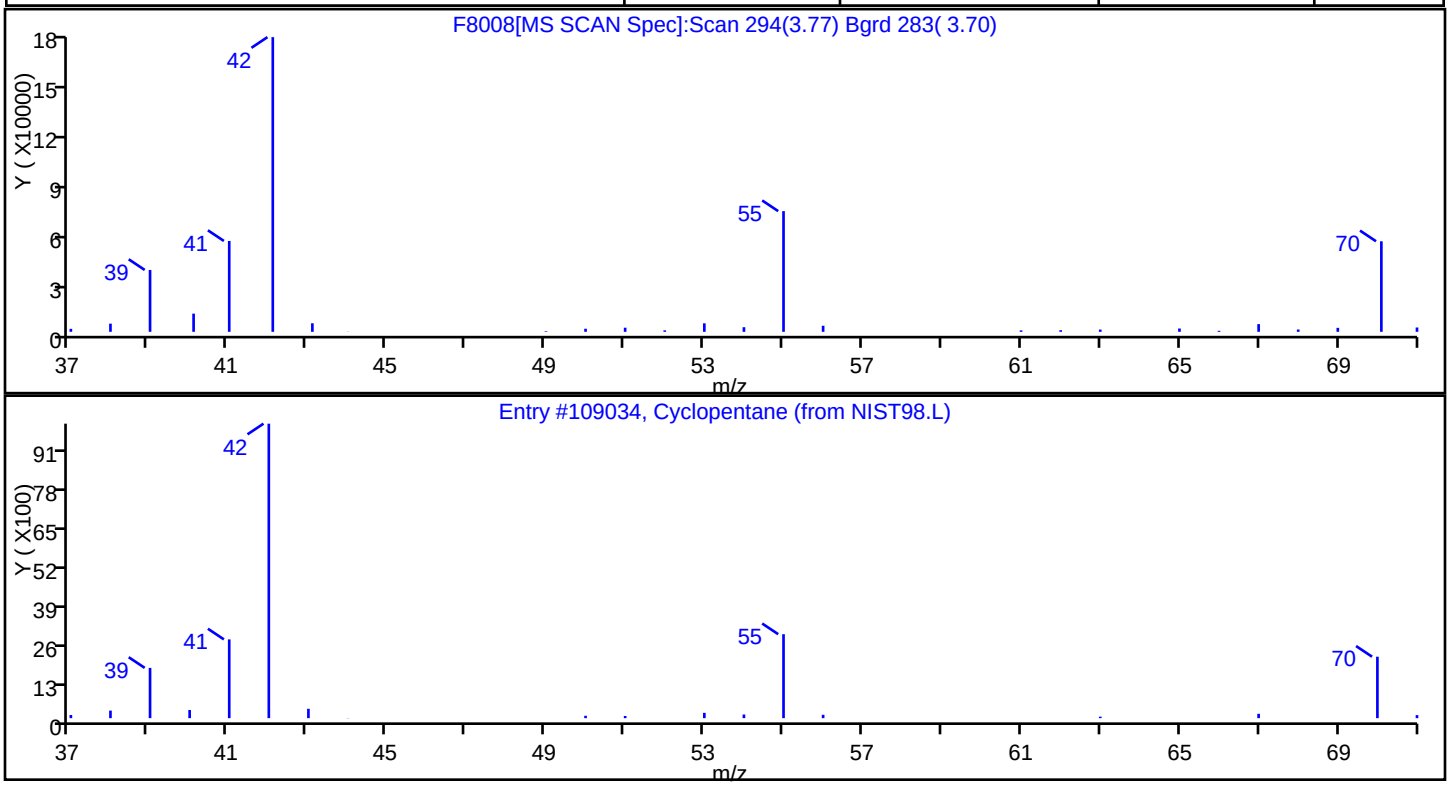
Injection Date:	11-Apr-2012 07:21:30	Limit Group:	MV - 8260B ICAL
Client ID:	RB-12 (0-6")	Instrument ID:	HP5973F
Lims Batch ID:	58994	Lims Sample ID:	23
Operator ID:	CDC		
Column Type:	ZB-624	Column Dia:	0.25 mm

90 m-Xylene & p-Xylene



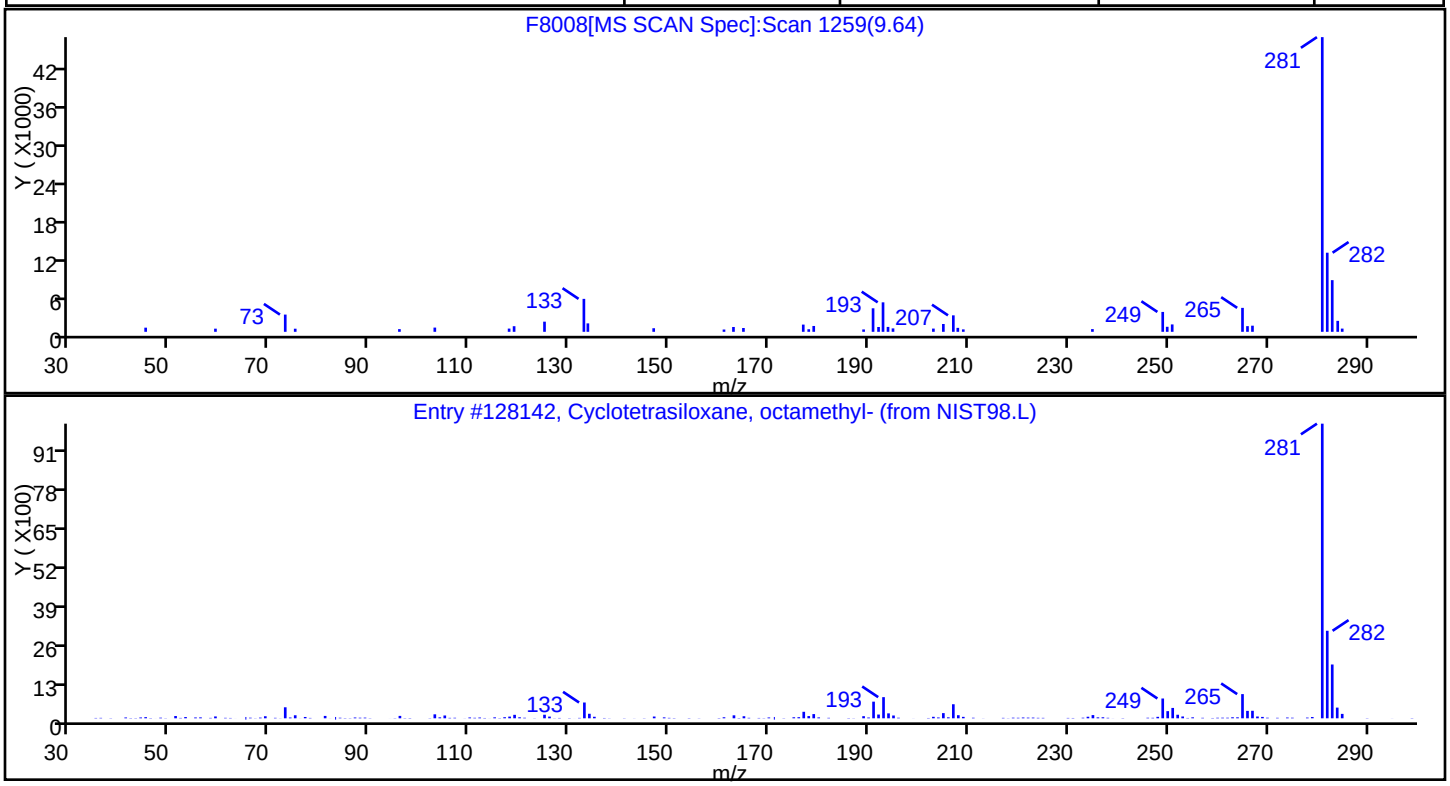
Report Date: 18-Apr-2012 13:23:22 Chrom Revision: 2.0 20-Feb-2012 13:27:02
Data File: \\Bufchrom\ChromData\HP5973F\20120410-10884.b\F8008.D
Injection Date: 11-Apr-2012 07:21:30 Limit Group: MV - 8260B ICAL
Client ID: RB-12 (0-6") Instrument ID: HP5973F
Lims Batch ID: 58994 Lims Sample ID: 23
Operator 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	87



Report Date: 18-Apr-2012 13:23:23 Chrom Revision: 2.0 20-Feb-2012 13:27:02
Data File: \\Bufchrom\ChromData\HP5973F\20120410-10884.b\F8008.D
Injection Date: 11-Apr-2012 07:21:30 Limit Group: MV - 8260B ICAL
Client ID: RB-12 (0-6") Instrument ID: HP5973F
Lims Batch ID: 58994 Lims Sample ID: 23
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	128142	90



FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Buffalo | Job No.: 480-18292-1

SDG No.:

Client Sample ID: RB-01 (0-6") | Lab Sample ID: 480-18292-5

Matrix: Solid | Lab File ID: F8016.D

Analysis Method: 8260B | Date Collected: 04/05/2012 15:45

Sample wt/vol: 3.3(g) | Date Analyzed: 04/11/2012 11:02

Soil Aliquot Vol: | Dilution Factor: 1

Soil Extract Vol.: | GC Column: ZB-624 (60) ID: 0.25(mm)

% Moisture: 10.7 | Level: (low/med) Low

Analysis Batch No.: 59033 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
71-55-6	1,1,1-Trichloroethane	ND		8.5	0.62
79-34-5	1,1,2,2-Tetrachloroethane	ND		8.5	1.4
79-00-5	1,1,2-Trichloroethane	ND		8.5	1.1
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	ND		8.5	1.9
75-34-3	1,1-Dichloroethane	ND		8.5	1.0
75-35-4	1,1-Dichloroethene	ND		8.5	1.0
120-82-1	1,2,4-Trichlorobenzene	ND		8.5	0.52
96-12-8	1,2-Dibromo-3-Chloropropane	ND		8.5	4.2
106-93-4	1,2-Dibromoethane	ND		8.5	1.1
95-50-1	1,2-Dichlorobenzene	ND		8.5	0.66
107-06-2	1,2-Dichloroethane	ND		8.5	0.43
78-87-5	1,2-Dichloropropane	ND		8.5	4.2
541-73-1	1,3-Dichlorobenzene	ND		8.5	0.44
106-46-7	1,4-Dichlorobenzene	ND		8.5	1.2
591-78-6	2-Hexanone	ND		42	4.2
78-93-3	2-Butanone (MEK)	ND		42	3.1
108-10-1	4-Methyl-2-pentanone (MIBK)	ND		42	2.8
67-64-1	Acetone	ND		42	7.1
71-43-2	Benzene	ND		8.5	0.42
75-27-4	Bromodichloromethane	ND		8.5	1.1
75-25-2	Bromoform	ND		8.5	4.2
74-83-9	Bromomethane	ND		8.5	0.76
75-15-0	Carbon disulfide	ND		8.5	4.2
56-23-5	Carbon tetrachloride	ND		8.5	0.82
108-90-7	Chlorobenzene	ND		8.5	1.1
124-48-1	Dibromochloromethane	ND		8.5	1.1
75-00-3	Chloroethane	ND		8.5	1.9
67-66-3	Chloroform	ND		8.5	0.52
74-87-3	Chloromethane	ND		8.5	0.51
156-59-2	cis-1,2-Dichloroethene	ND		8.5	1.1
10061-01-5	cis-1,3-Dichloropropene	ND		8.5	1.2
110-82-7	Cyclohexane	ND		8.5	1.2
75-71-8	Dichlorodifluoromethane	ND		8.5	0.70
100-41-4	Ethylbenzene	ND		8.5	0.59
98-82-8	Isopropylbenzene	ND		8.5	1.3

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Buffalo | Job No.: 480-18292-1

SDG No.:

Client Sample ID: RB-01 (0-6") | Lab Sample ID: 480-18292-5

Matrix: Solid | Lab File ID: F8016.D

Analysis Method: 8260B | Date Collected: 04/05/2012 15:45

Sample wt/vol: 3.3(g) | Date Analyzed: 04/11/2012 11:02

Soil Aliquot Vol: | Dilution Factor: 1

Soil Extract Vol.: | GC Column: ZB-624 (60) ID: 0.25(mm)

% Moisture: 10.7 | Level: (low/med) Low

Analysis Batch No.: 59033 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
79-20-9	Methyl acetate	ND		8.5	1.6
1634-04-4	Methyl tert-butyl ether	ND		8.5	0.83
108-87-2	Methylcyclohexane	ND		8.5	1.3
75-09-2	Methylene Chloride	ND		8.5	3.9
100-42-5	Styrene	ND		8.5	0.42
127-18-4	Tetrachloroethene	ND		8.5	1.1
108-88-3	Toluene	ND		8.5	0.64
156-60-5	trans-1,2-Dichloroethene	ND		8.5	0.88
10061-02-6	trans-1,3-Dichloropropene	ND		8.5	3.7
79-01-6	Trichloroethene	ND		8.5	1.9
75-69-4	Trichlorofluoromethane	ND		8.5	0.80
75-01-4	Vinyl chloride	ND		8.5	1.0
1330-20-7	Xylenes, Total	ND		17	1.4

CAS NO.	SURROGATE	%REC	Q	LIMITS
17060-07-0	1,2-Dichloroethane-d4 (Surr)	97		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.: 480-18292-1

SDG No.:

Client Sample ID: RB-01 (0-6") | Lab Sample ID: 480-18292-5

Matrix: Solid | Lab File ID: F8016.D

Analysis Method: 8260B | Date Collected: 04/05/2012 15:45

Sample wt/vol: 3.3(g) | Date Analyzed: 04/11/2012 11:02

Soil Aliquot Vol: | Dilution Factor: 1

Soil Extract Vol.: | GC Column: ZB-624 (60) ID: 0.25(mm)

% Moisture: 10.7 | Level: (low/med) Low

Analysis Batch No.: 59033 | Units: ug/Kg

Number TICs Found: 3 | TIC Result Total: 157.1

CAS NO.	COMPOUND NAME	RT	RESULT	Q
287-92-3	Cyclopentane	3.77	130	T J N
110-54-3	Hexane	4.07	5.1	J
	Unknown	9.64	22	T J

TestAmerica Laboratories
Target Compound Quantitation Report

Data File:	\\Bufchrom\ChromData\HP5973F\20120411-10889.b\F8016.D		
Lims ID:	480-18292-G-5-A	Client ID:	RB-01 (0-6")
Inject. Date:	11-Apr-2012 11:02:30	Dil. Factor:	1.0000
Sample Type:	Client		
Sample ID:	480-18292-G-5-A		
Misc. Info.:	480-0010889-006 =480-0010889-006		
Operator:	jmb	Instrument ID:	HP5973F
Vol. Injected:	1.0000	ALS Bottle#:	6
Lims Batch ID:	59033	Lims Sample ID:	6
Detector:	MS SCAN		
Method:	\\Bufchrom\ChromData\HP5973F\20120411-10889.b\F-8260 SOIL.m		
Last Update:	18-Apr-2012 13:21:54	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:	11-Apr-2012 18:55:33

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	452566	50.0	
* 2 Chlorobenzene-d5	82	8.494	8.494	0.0	80	183932	50.0	
* 3 1,4-Dichlorobenzene-d4	152	10.800	10.800	0.0	92	207895	50.0	
$ 4 1,2-Dichloroethane-d4 (Surr)	67	5.404	5.404	0.0	98	66474	48.3	
$ 5 Toluene-d8 (Surr)	98	7.040	7.040	0.0	91	469130	54.0	
$ 6 4-Bromofluorobenzene (Surr)	174	9.705	9.705	0.0	91	154368	53.4	
10 Dichlorodifluoromethane	85		2.058					
12 Chloromethane	50		2.210					
13 Vinyl chloride	62		2.325					
14 Bromomethane	94		2.630					
15 Chloroethane	64		2.709					
17 Trichlorofluoromethane	101		2.928					
21 1,1,2-Trichloro-1,2,2-trifluoroe	101		3.311					
22 1,1-Dichloroethene	96		3.335					
23 Acetone	43		3.384					
26 Carbon disulfide	76		3.560					
27 Methyl acetate	43		3.609					
30 Methylene Chloride	84		3.737					
32 Methyl tert-butyl ether	73		3.895					
34 trans-1,2-Dichloroethene	96		3.925					
39 1,1-Dichloroethane	63		4.266					
43 2-Butanone (MEK)	43		4.716					
45 cis-1,2-Dichloroethene	96		4.728					
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		7.636					
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		8.585					
90 m-Xylene & p-Xylene	106		8.701					
91 o-Xylene	106		9.139					
92 Styrene	104		9.157					
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		30.000					7

QC Flag Legend

Processing Flags
7 - Failed Limit of Detection

TestAmerica Laboratories
Tentatively Identified Quantitation Report

Data File:	\\Bufchrom\ChromData\HP5973F\20120411-10889.b\F8016.D		
Lims ID:	480-18292-G-5-A	Client ID:	RB-01 (0-6")
Inject. Date:	11-Apr-2012 11:02:30	Dil. Factor:	1.0000
Sample Type:	Client		
Sample ID:	480-18292-G-5-A		
Misc. Info.:	480-0010889-006 =480-0010889-006		
Operator:	jmb	Instrument ID:	HP5973F
Vol. Injected:	1.0000	ALS Bottle#:	6
Lims Batch ID:	59033	Lims Sample ID:	6
Detector:	MS SCAN		
Method:	\\Bufchrom\ChromData\HP5973F\20120411-10889.b\F-8260 SOIL.m		
Last Update:	18-Apr-2012 13:21:54	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:	11-Apr-2012 18:55:33

Calibrated Tentative Identified Compound Results

Compound	RT	Response	Amount ug/kg	Flags
Hexane	4.065	11936	3.02	

Tentative Identified Compound Results

RT	Response	Amount ug/kg	Quant Cpnd	Qual	Lib Entry	Flags
287-92-3 Cyclopentane						
3.767	1433931	77.8	1	86	109034	
Unknown						
9.638	282767	13.1	2			

Quantitation Compounds

Compound	RT	Response	Amount ug/kg
* 1 1,4-Difluorobenzene	5.714	921883	50.0
* 2 Chlorobenzene-d5	8.494	1080285	50.0

QC Flag Legend

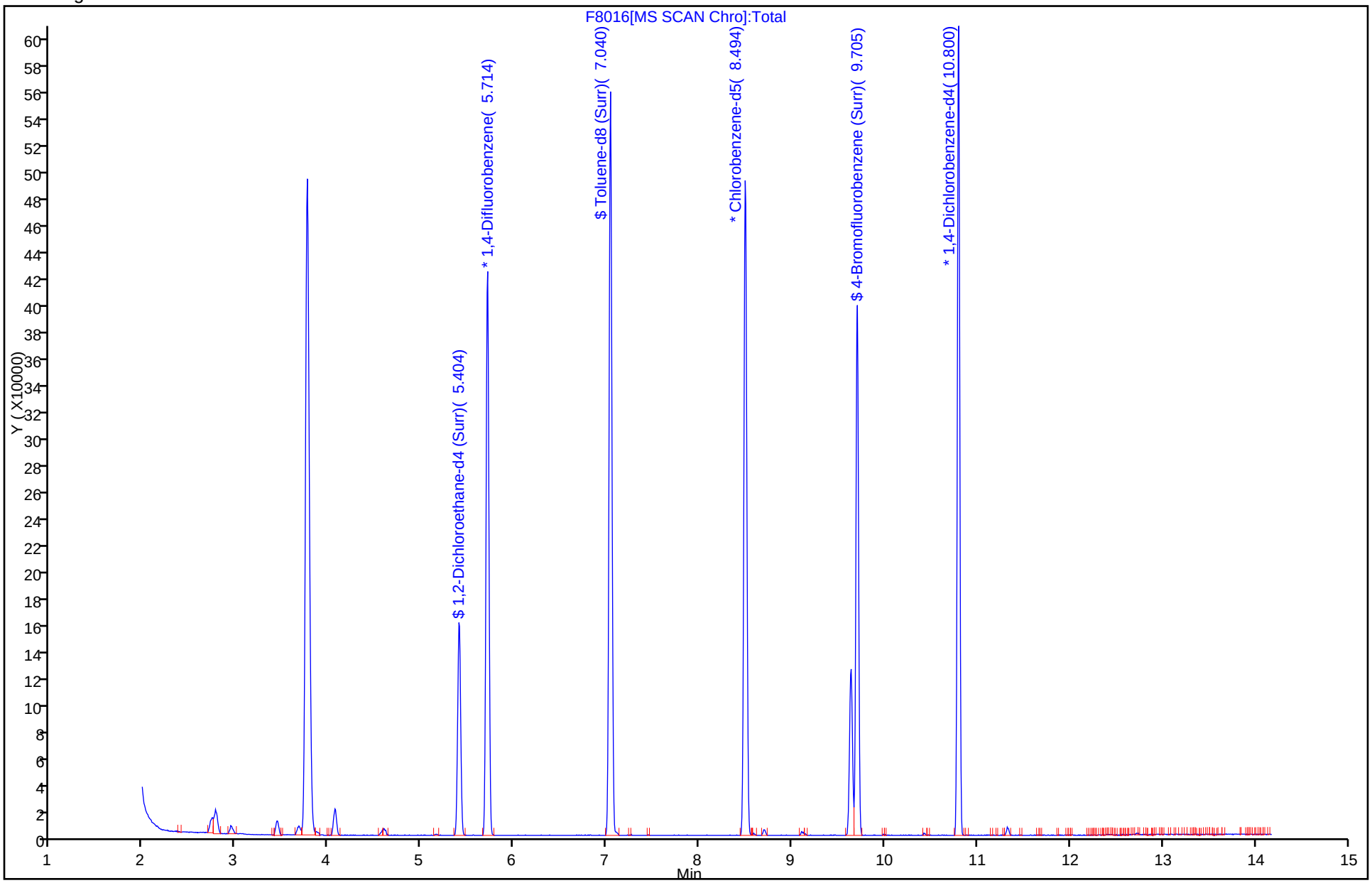
Processing Flags

Report Date: 19-Apr-2012 13:00:53 Chrom Revision: 2.0 20-Feb-2012 13:27:02

Data File: \\Bufchrom\ChromData\HP5973F\20120411-10889.b\F8016.D

Injection Date:	11-Apr-2012 11:02:30	Limit Group:	MV - 8260B ICAL
Client ID:	RB-01 (0-6")	Instrument ID:	HP5973F
Lims Batch ID:	59033	Lims Sample ID:	6
Operator ID:	jmb		
Column Type:	ZB-624	Column Dia:	0.25 mm

Y Scaling:

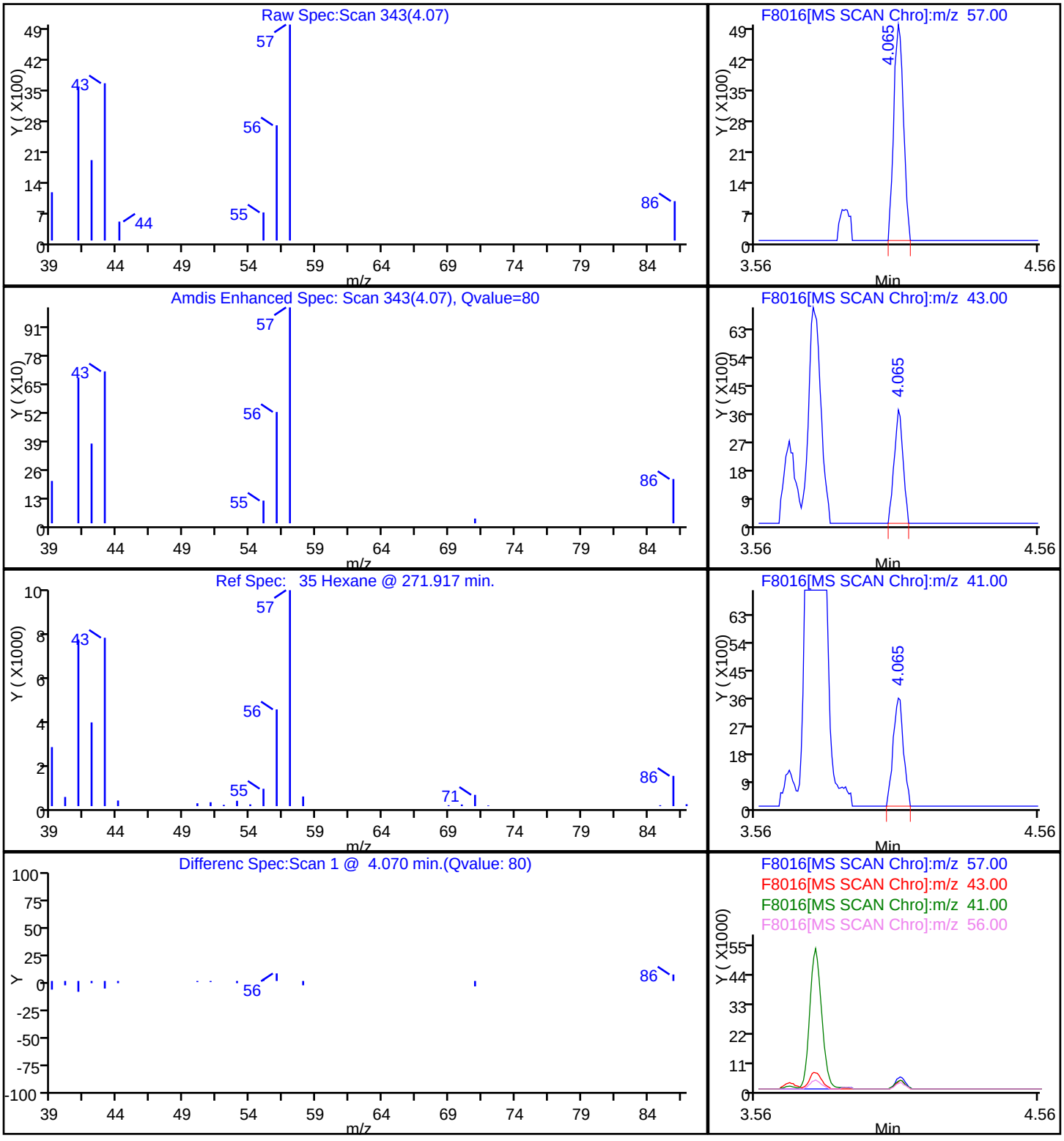


Report Date: 19-Apr-2012 13:00:53 Chrom Revision: 2.0 20-Feb-2012 13:27:02

Data File: \\Bufchrom\ChromData\HP5973F\20120411-10889.b\F8016.D

Injection Date:	11-Apr-2012 11:02:30	Limit Group:	MV - 8260B ICAL
Client ID:	RB-01 (0-6")	Instrument ID:	HP5973F
Lims Batch ID:	59033	Lims Sample ID:	6
Operator ID:	jmb		
Column Type:	ZB-624	Column Dia:	0.25 mm

35 Hexane



Report Date: 19-Apr-2012 13:00:53 Chrom Revision: 2.0 20-Feb-2012 13:27:02

Data File: \\Bufchrom\ChromData\HP5973F\20120411-10889.b\F8016.D

Injection Date: 11-Apr-2012 11:02:30 Limit Group: MV - 8260B ICAL

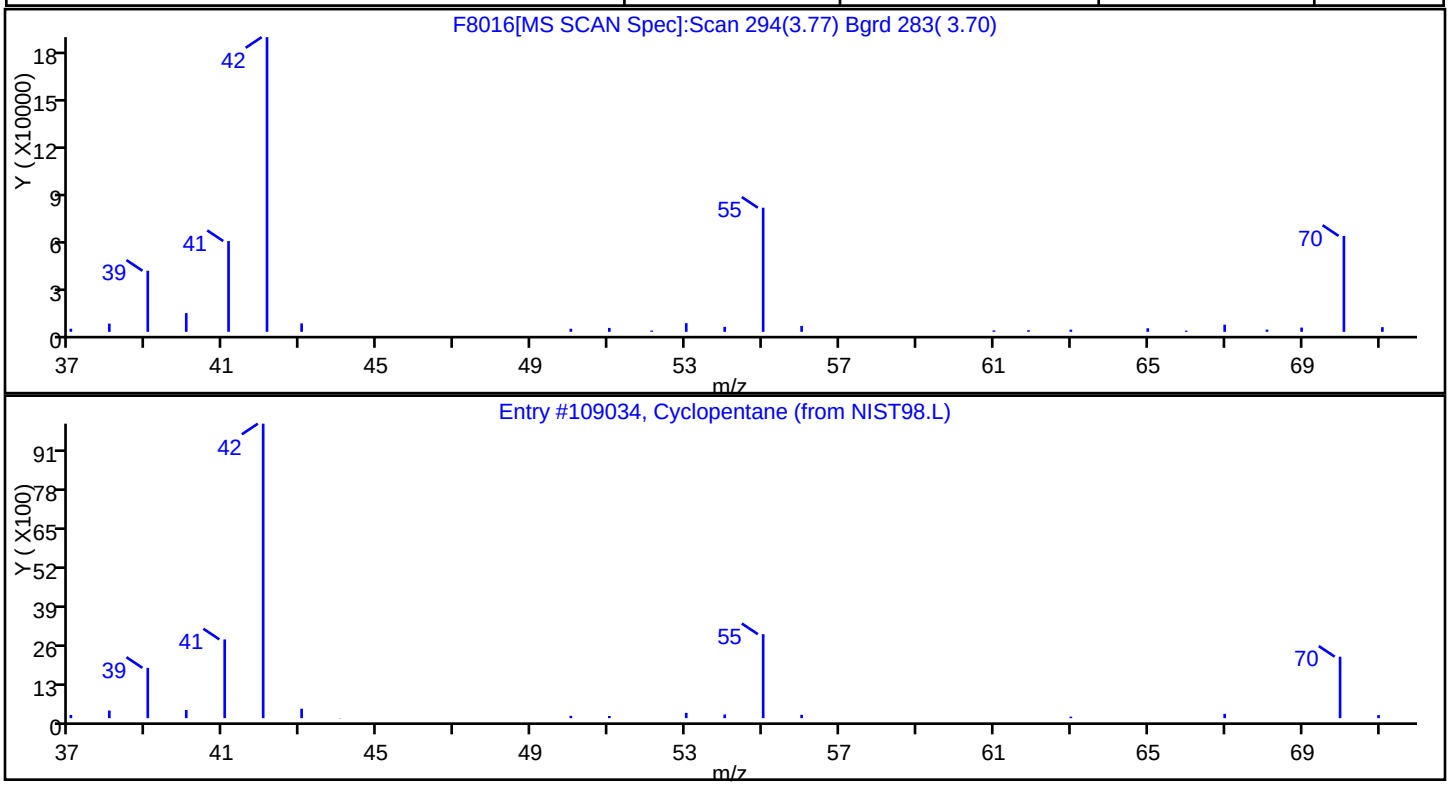
Client ID: RB-01 (0-6") Instrument ID: HP5973F

Lims Batch ID: 59033 Lims Sample ID: 6

Operator ID: jmb

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	86

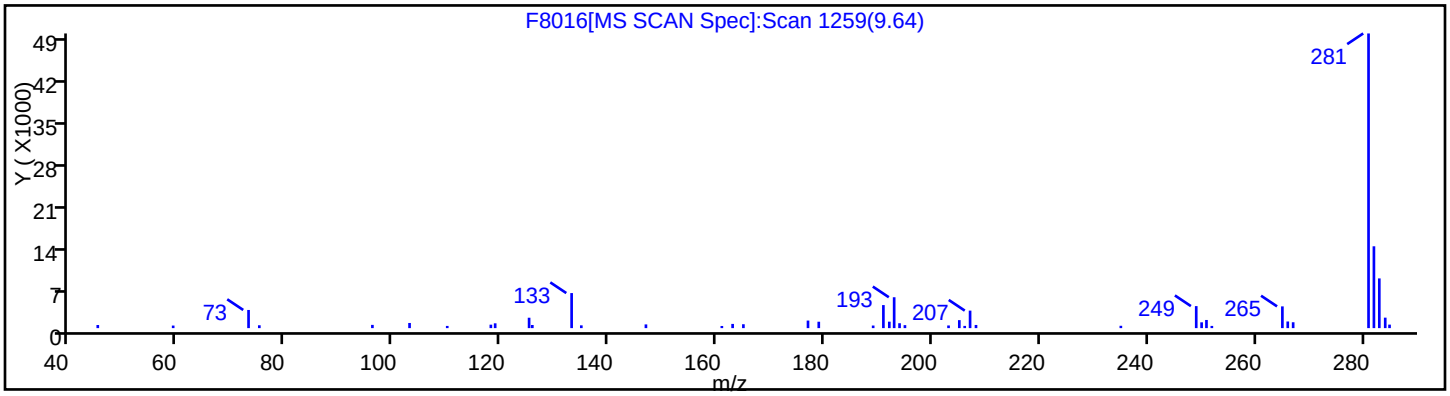


Report Date: 19-Apr-2012 13:00:53 Chrom Revision: 2.0 20-Feb-2012 13:27:02

Data File: \\Bufchrom\ChromData\HP5973F\20120411-10889.b\F8016.D

Injection Date:	11-Apr-2012 11:02:30	Limit Group:	MV - 8260B ICAL
Client ID:	RB-01 (0-6")	Instrument ID:	HP5973F
Lims Batch ID:	59033	Lims Sample ID:	6
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.: 480-18292-1

SDG No.:

Client Sample ID: RB-01 (6-12") | Lab Sample ID: 480-18292-6

Matrix: Solid | Lab File ID: F8009.D

Analysis Method: 8260B | Date Collected: 04/05/2012 16:00

Sample wt/vol: 2.86(g) | Date Analyzed: 04/11/2012 07:46

Soil Aliquot Vol: | Dilution Factor: 1

Soil Extract Vol.: | GC Column: ZB-624 (60) ID: 0.25(mm)

% Moisture: 16.5 | Level: (low/med) Low

Analysis Batch No.: 58994 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
71-55-6	1,1,1-Trichloroethane	ND		10	0.76
79-34-5	1,1,2,2-Tetrachloroethane	ND		10	1.7
79-00-5	1,1,2-Trichloroethane	ND		10	1.4
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	ND		10	2.4
75-34-3	1,1-Dichloroethane	ND		10	1.3
75-35-4	1,1-Dichloroethene	ND		10	1.3
120-82-1	1,2,4-Trichlorobenzene	ND		10	0.64
96-12-8	1,2-Dibromo-3-Chloropropane	ND		10	5.2
106-93-4	1,2-Dibromoethane	ND		10	1.3
95-50-1	1,2-Dichlorobenzene	ND		10	0.82
107-06-2	1,2-Dichloroethane	ND		10	0.53
78-87-5	1,2-Dichloropropane	ND		10	5.2
541-73-1	1,3-Dichlorobenzene	ND		10	0.54
106-46-7	1,4-Dichlorobenzene	ND		10	1.5
591-78-6	2-Hexanone	ND		52	5.2
78-93-3	2-Butanone (MEK)	ND		52	3.8
108-10-1	4-Methyl-2-pentanone (MIBK)	ND		52	3.4
67-64-1	Acetone	ND		52	8.8
71-43-2	Benzene	ND		10	0.51
75-27-4	Bromodichloromethane	ND		10	1.4
75-25-2	Bromoform	ND		10	5.2
74-83-9	Bromomethane	ND		10	0.94
75-15-0	Carbon disulfide	ND		10	5.2
56-23-5	Carbon tetrachloride	ND		10	1.0
108-90-7	Chlorobenzene	ND		10	1.4
124-48-1	Dibromochloromethane	ND		10	1.3
75-00-3	Chloroethane	ND		10	2.4
67-66-3	Chloroform	ND		10	0.65
74-87-3	Chloromethane	ND		10	0.63
156-59-2	cis-1,2-Dichloroethene	ND		10	1.3
10061-01-5	cis-1,3-Dichloropropene	ND		10	1.5
110-82-7	Cyclohexane	ND		10	1.5
75-71-8	Dichlorodifluoromethane	ND		10	0.86
100-41-4	Ethylbenzene	ND		10	0.72
98-82-8	Isopropylbenzene	ND		10	1.6

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Buffalo | Job No.: 480-18292-1

SDG No.:

Client Sample ID: RB-01 (6-12") | Lab Sample ID: 480-18292-6

Matrix: Solid | Lab File ID: F8009.D

Analysis Method: 8260B | Date Collected: 04/05/2012 16:00

Sample wt/vol: 2.86(g) | Date Analyzed: 04/11/2012 07:46

Soil Aliquot Vol: | Dilution Factor: 1

Soil Extract Vol.: | GC Column: ZB-624 (60) ID: 0.25(mm)

% Moisture: 16.5 | Level: (low/med) Low

Analysis Batch No.: 58994 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
79-20-9	Methyl acetate	ND		10	1.9
1634-04-4	Methyl tert-butyl ether	ND		10	1.0
108-87-2	Methylcyclohexane	ND		10	1.6
75-09-2	Methylene Chloride	ND		10	4.8
100-42-5	Styrene	ND		10	0.52
127-18-4	Tetrachloroethene	ND		10	1.4
108-88-3	Toluene	ND		10	0.79
156-60-5	trans-1,2-Dichloroethene	ND		10	1.1
10061-02-6	trans-1,3-Dichloropropene	ND		10	4.6
79-01-6	Trichloroethene	ND		10	2.3
75-69-4	Trichlorofluoromethane	ND		10	0.99
75-01-4	Vinyl chloride	ND		10	1.3
1330-20-7	Xylenes, Total	ND		21	1.8

CAS NO.	SURROGATE	%REC	Q	LIMITS
17060-07-0	1,2-Dichloroethane-d4 (Surr)	98		64-126
2037-26-5	Toluene-d8 (Surr)	109		71-125
460-00-4	4-Bromofluorobenzene (Surr)	110		72-126

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

Lab Name: TestAmerica Buffalo | Job No.: 480-18292-1

SDG No.:

Client Sample ID: RB-01 (6-12") | Lab Sample ID: 480-18292-6

Matrix: Solid | Lab File ID: F8009.D

Analysis Method: 8260B | Date Collected: 04/05/2012 16:00

Sample wt/vol: 2.86(g) | Date Analyzed: 04/11/2012 07:46

Soil Aliquot Vol: | Dilution Factor: 1

Soil Extract Vol.: | GC Column: ZB-624 (60) ID: 0.25(mm)

% Moisture: 16.5 | Level: (low/med) Low

Analysis Batch No.: 58994 | Units: ug/Kg

Number TICs Found: 4 | TIC Result Total: 499

CAS NO.	COMPOUND NAME	RT	RESULT	Q
78-78-4	Butane, 2-methyl-	2.79	22	T J N
287-92-3	Cyclopentane	3.77	390	T J N
110-54-3	Hexane	4.07	15	J
556-67-2	Cyclotetrasiloxane, octamethyl-	9.64	72	T J N

TestAmerica Laboratories
Target Compound Quantitation Report

Data File:	\\Bufchrom\ChromData\HP5973F\20120410-10884.b\F8009.D		
Lims ID:	480-18292-G-6-A	Client ID:	RB-01 (6-12")
Inject. Date:	11-Apr-2012 07:46:30	Dil. Factor:	1.0000
Sample Type:	Client		
Sample ID:	480-18292-G-6-A		
Misc. Info.:	480-0010884-024 =480-0010884-024		
Operator:	CDC	Instrument ID:	HP5973F
Vol. Injected:	1.0000	ALS Bottle#:	19
Lims Batch ID:	58994	Lims Sample ID:	24
Detector:	MS SCAN		
Method:	\\Bufchrom\ChromData\HP5973F\20120410-10884.b\F-8260 SOIL.m		
Last Update:	11-Apr-2012 12:48:56	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: ByrnesJ		Date:	11-Apr-2012 12:30:58

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	440258	50.0	
* 2 Chlorobenzene-d5	82	8.494	8.494	0.0	80	178078	50.0	
* 3 1,4-Dichlorobenzene-d4	152	10.800	10.800	0.0	92	207120	50.0	
$ 4 1,2-Dichloroethane-d4 (Surr)	67	5.410	5.404	0.006	98	65876	49.2	
$ 5 Toluene-d8 (Surr)	98	7.040	7.040	0.0	91	459503	54.6	
$ 6 4-Bromofluorobenzene (Surr)	174	9.705	9.705	0.0	92	154593	55.2	
10 Dichlorodifluoromethane	85		2.052					
12 Chloromethane	50		2.204					
13 Vinyl chloride	62		2.325					
14 Bromomethane	94		2.624					
15 Chloroethane	64		2.703					
17 Trichlorofluoromethane	101		2.928					
21 1,1,2-Trichloro-1,2,2-trifluoroe	101		3.305					
22 1,1-Dichloroethene	96		3.335					
23 Acetone	43		3.384					
26 Carbon disulfide	76		3.560					
27 Methyl acetate	43		3.609					
30 Methylene Chloride	84		3.737					
32 Methyl tert-butyl ether	73		3.889					
34 trans-1,2-Dichloroethene	96		3.925					
39 1,1-Dichloroethane	63		4.266					
43 2-Butanone (MEK)	43		4.710					
45 cis-1,2-Dichloroethene	96		4.728					
50 Chloroform	83		4.972					
51 1,1,1-Trichloroethane	97		5.124					
52 Cyclohexane	56		5.148					
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		7.703					
83 Chlorodibromomethane	129		7.941					
84 Ethylene Dibromide	107		8.074					
87 Chlorobenzene	112		8.531					
88 Ethylbenzene	91		8.585					
90 m-Xylene & p-Xylene	106		8.701					
91 o-Xylene	106		9.139					
92 Styrene	104		9.157					
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		30.000					7

QC Flag Legend

Processing Flags
7 - Failed Limit of Detection

TestAmerica Laboratories
Tentatively Identified Quantitation Report

Data File:	\\Bufchrom\ChromData\HP5973F\20120410-10884.b\F8009.D		
Lims ID:	480-18292-G-6-A	Client ID:	RB-01 (6-12")
Inject. Date:	11-Apr-2012 07:46:30	Dil. Factor:	1.0000
Sample Type:	Client		
Sample ID:	480-18292-G-6-A		
Misc. Info.:	480-0010884-024 =480-0010884-024		
Operator:	CDC	Instrument ID:	HP5973F
Vol. Injected:	1.0000	ALS Bottle#:	19
Lims Batch ID:	58994	Lims Sample ID:	24
Detector:	MS SCAN		
Method:	\\Bufchrom\ChromData\HP5973F\20120410-10884.b\F-8260 SOIL.m		
Last Update:	11-Apr-2012 12:48:56	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:	0		
Process Host:	CORP-CTX-19		
First Level Reviewer: ByrnesJ		Date:	11-Apr-2012 12:30:58

Calibrated Tentative Identified Compound Results

Compound	RT	Response	Amount ug/kg	Flags
Hexane	4.071	28225	7.34	

Tentative Identified Compound Results

RT	Response	Amount ug/kg	Quant Cpnd	Qual	Lib Entry	Flags
	78-78-4	Butane, 2-methyl-				
2.788	186591	10.4	1	90	109392	
	287-92-3	Cyclopentane				
3.773	3381973	187.9	1	86	109034	
	556-67-2	Cyclotetrasiloxane, octamethyl-				
9.638	724004	34.4	2	86	97367	

Quantitation Compounds

Compound	RT	Response	Amount ug/kg
* 1 1,4-Difluorobenzene	5.714	899893	50.0
* 2 Chlorobenzene-d5	8.500	1052359	50.0

QC Flag Legend

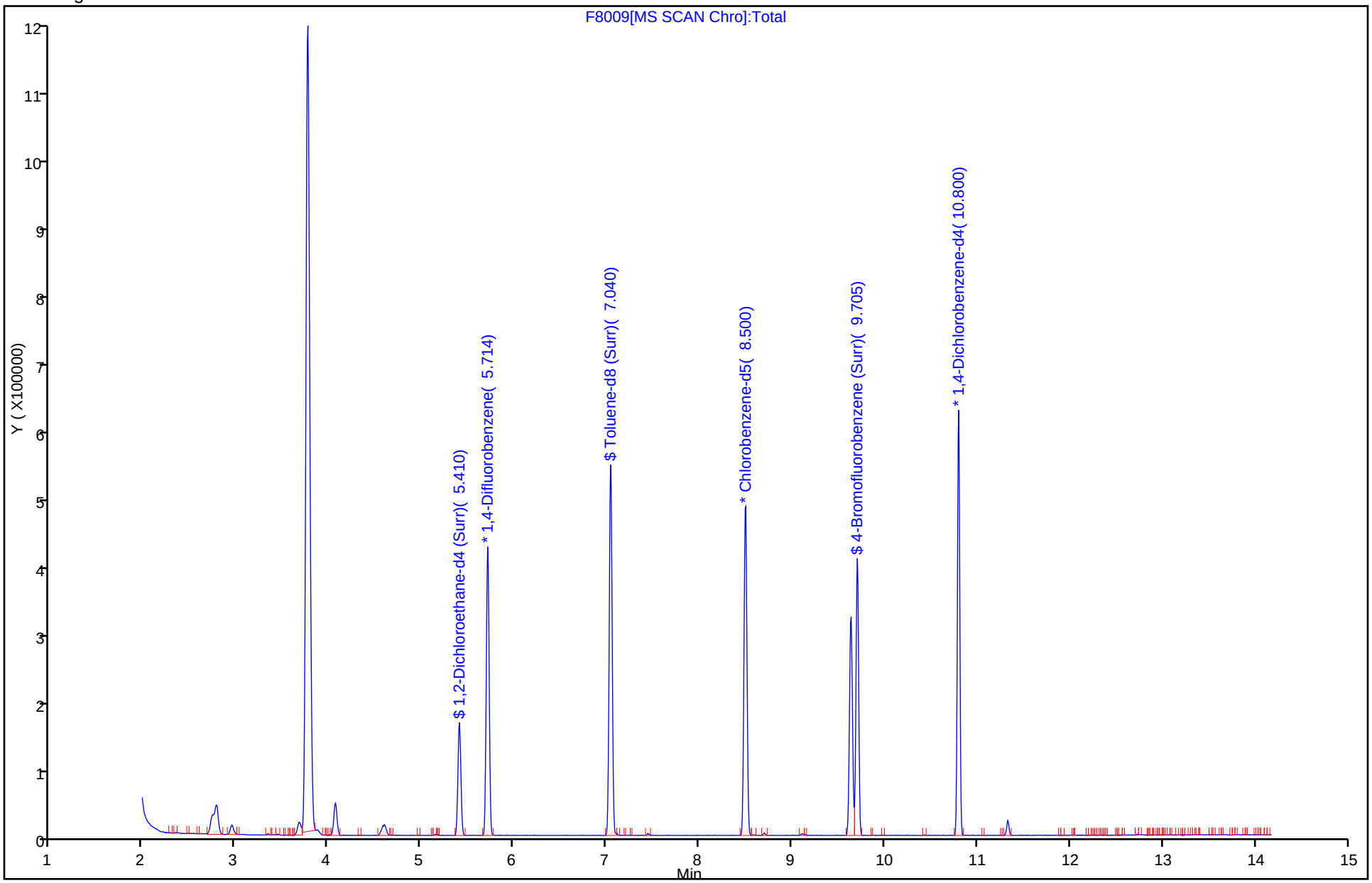
Processing Flags

Report Date: 18-Apr-2012 13:23:25 Chrom Revision: 2.0 20-Feb-2012 13:27:02

Data File: \\Bufchrom\ChromData\HP5973F\20120410-10884.b\F8009.D

Injection Date:	11-Apr-2012 07:46:30	Limit Group:	MV - 8260B ICAL
Client ID:	RB-01 (6-12")	Instrument ID:	HP5973F
Lims Batch ID:	58994	Lims Sample ID:	24
Operator ID:	CDC		
Column Type:	ZB-624	Column Dia:	0.25 mm

Y Scaling:

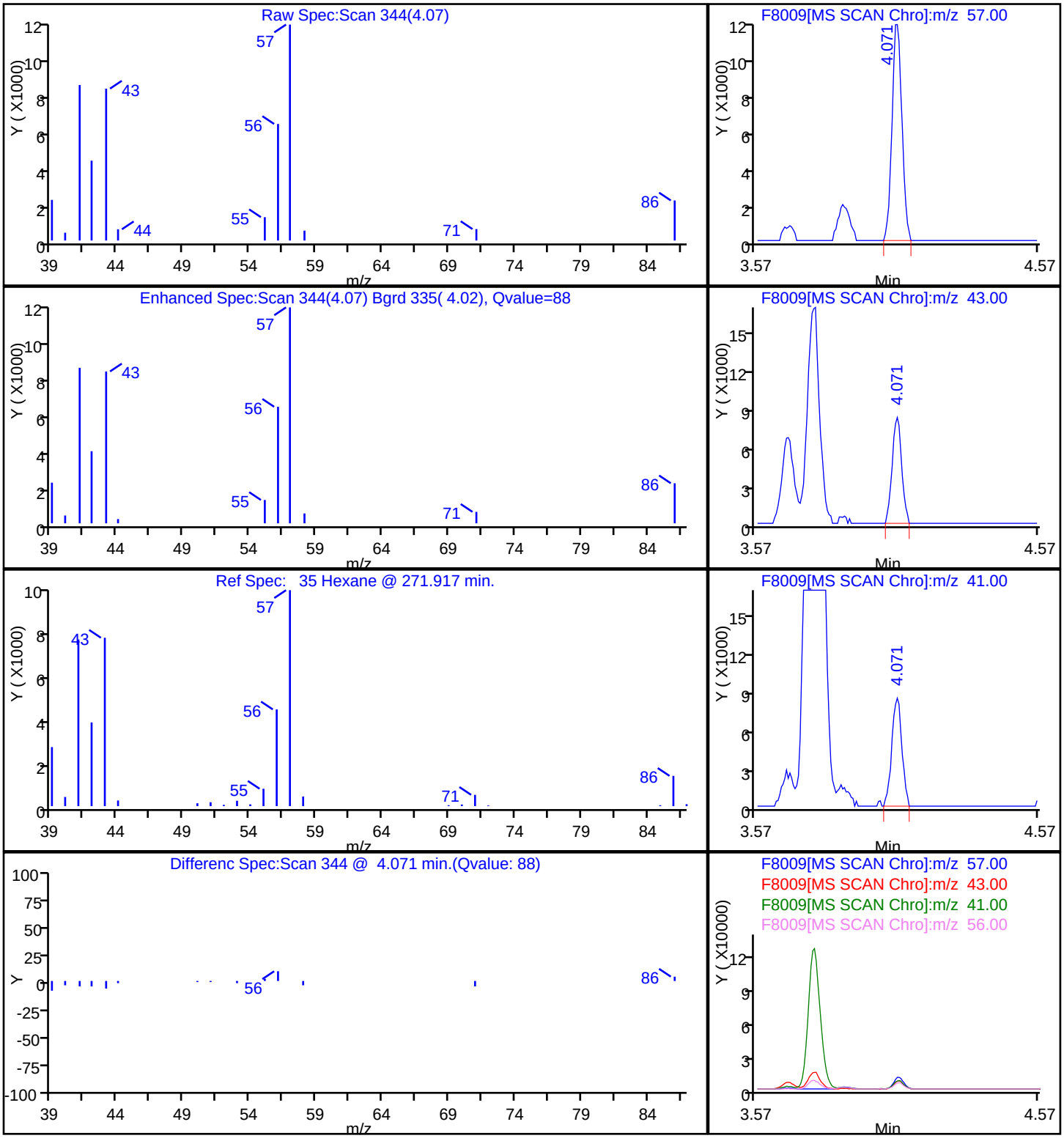


Report Date: 18-Apr-2012 13:23:25 Chrom Revision: 2.0 20-Feb-2012 13:27:02

Data File: \\Bufchrom\ChromData\HP5973F\20120410-10884.b\F8009.D

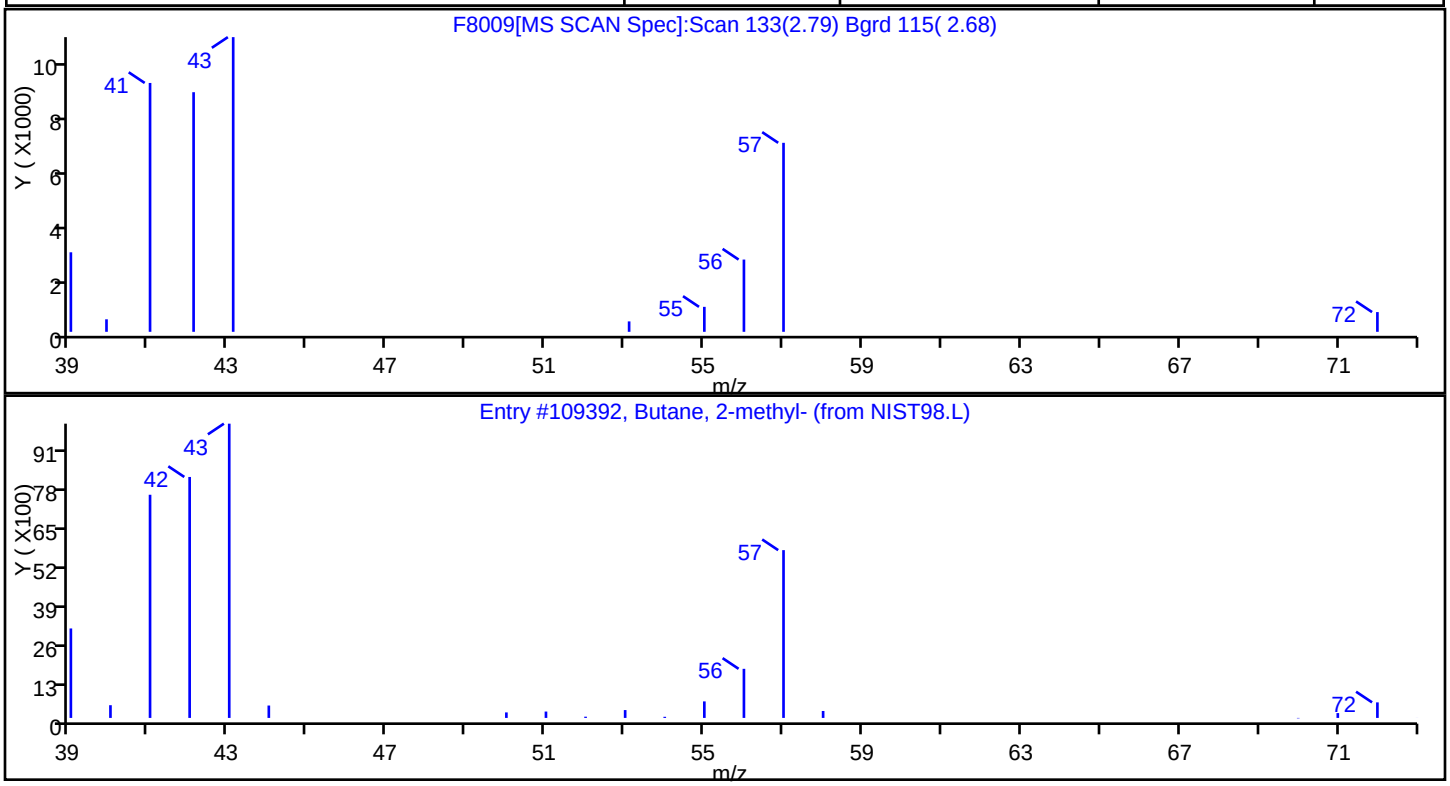
Injection Date:	11-Apr-2012 07:46:30	Limit Group:	MV - 8260B ICAL
Client ID:	RB-01 (6-12")	Instrument ID:	HP5973F
Lims Batch ID:	58994	Lims Sample ID:	24
Operator ID:	CDC		
Column Type:	ZB-624	Column Dia:	0.25 mm

35 Hexane



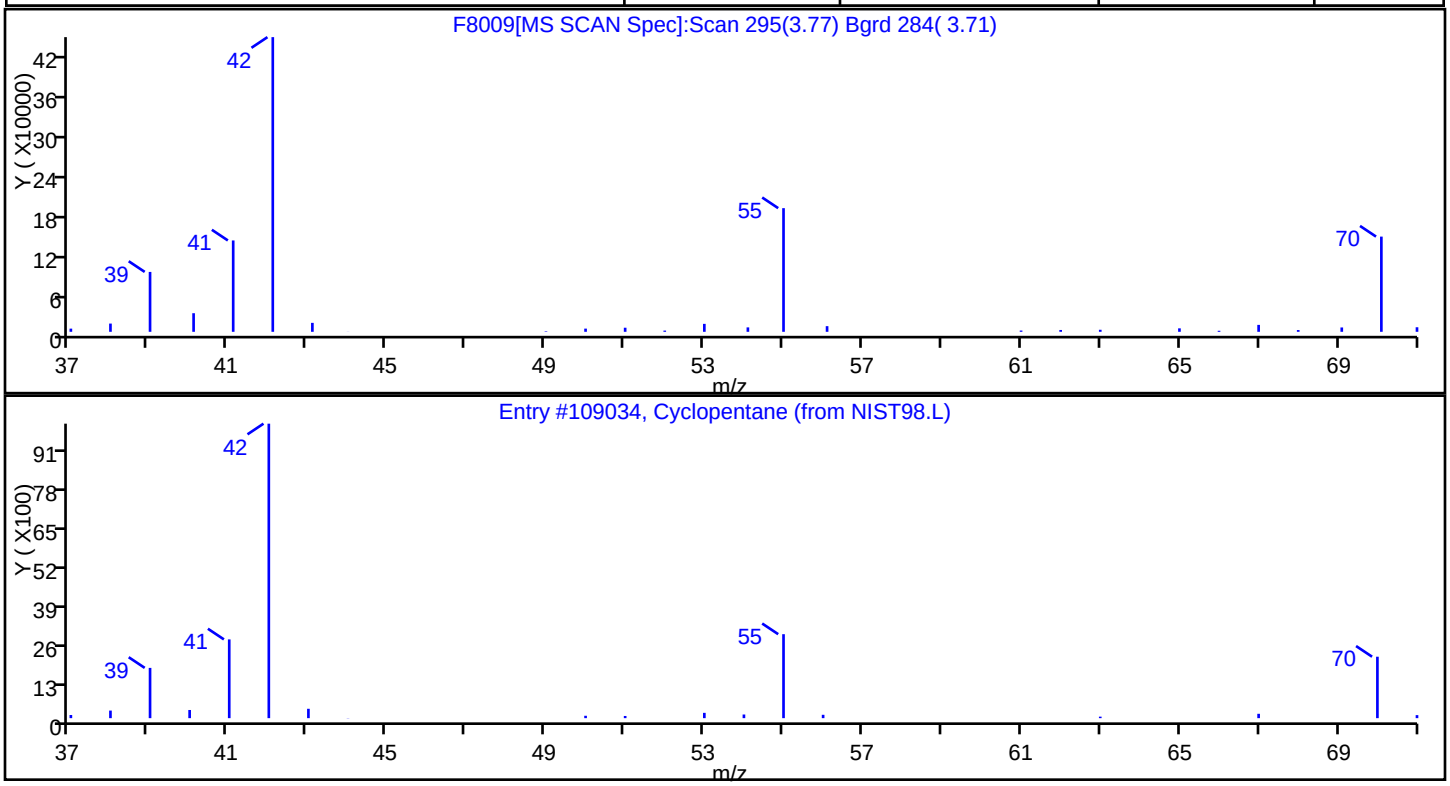
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Data File: \\Bufchrom\ChromData\HP5973F\20120410-10884.b\F8009.D
Injection Date: 11-Apr-2012 07:46:30 Limit Group: MV - 8260B ICAL
Client ID: RB-01 (6-12") Instrument ID: HP5973F
Lims Batch ID: 58994 Lims Sample ID: 24
Operator ID: CDC
Column Type: ZB-624 Column Dia: 0.25 mm

Library Search Compound Match	CAS Number	Library	Entry	Quality
Butane, 2-methyl-	78-78-4	NIST98.L	109392	90



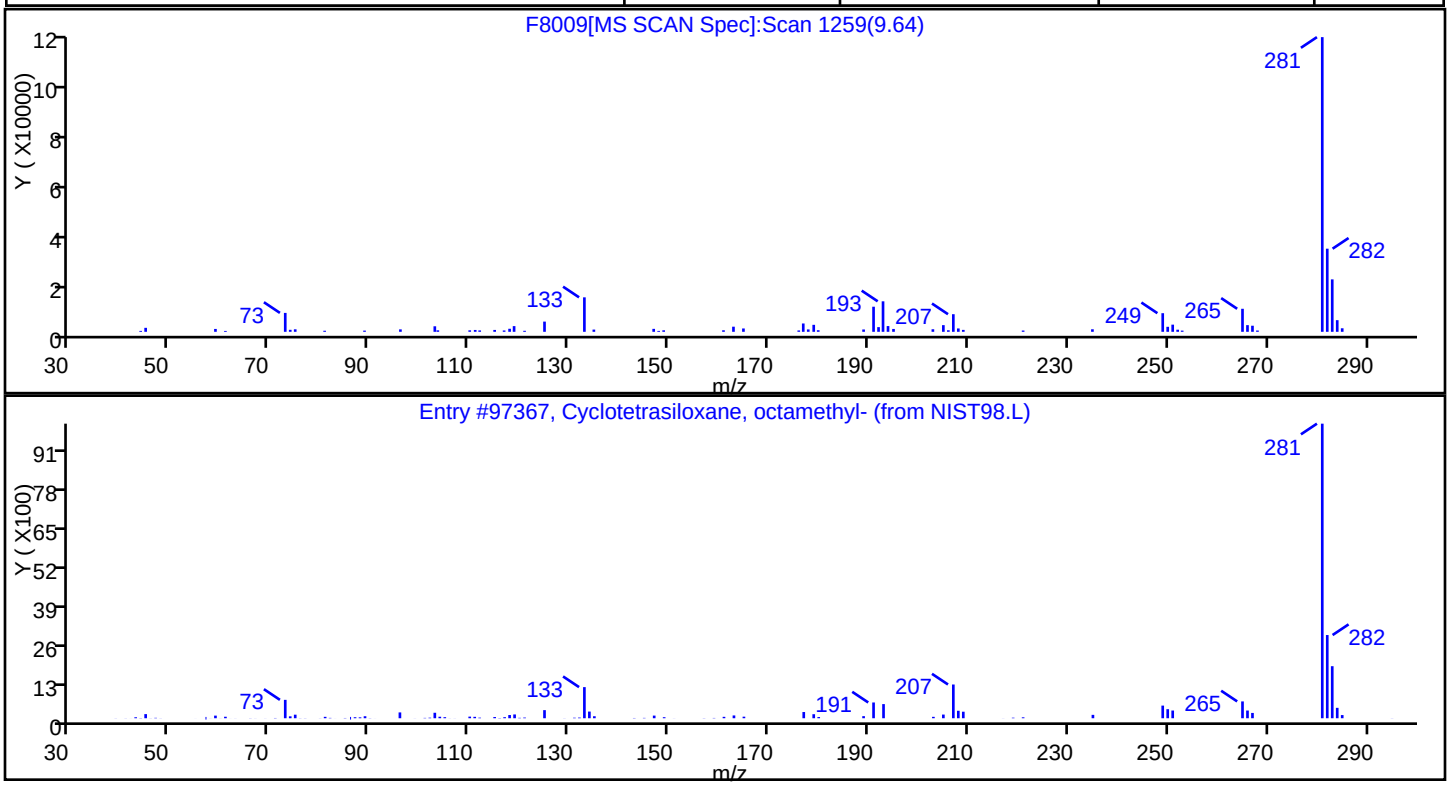
Report Date: 18-Apr-2012 13:23:25 Chrom Revision: 2.0 20-Feb-2012 13:27:02
Data File: \\Bufchrom\ChromData\HP5973F\20120410-10884.b\F8009.D
Injection Date: 11-Apr-2012 07:46:30 Limit Group: MV - 8260B ICAL
Client ID: RB-01 (6-12") Instrument ID: HP5973F
Lims Batch ID: 58994 Lims Sample ID: 24
Operator 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	86



Report Date: 18-Apr-2012 13:23:25 Chrom Revision: 2.0 20-Feb-2012 13:27:02
Data File: \\Bufchrom\ChromData\HP5973F\20120410-10884.b\F8009.D
Injection Date: 11-Apr-2012 07:46:30 Limit Group: MV - 8260B ICAL
Client ID: RB-01 (6-12") Instrument ID: HP5973F
Lims Batch ID: 58994 Lims Sample ID: 24
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	86



FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Buffalo | Job No.: 480-18292-1

SDG No.:

Client Sample ID: RB-01 (12-24") | Lab Sample ID: 480-18292-7

Matrix: Solid | Lab File ID: F8010.D

Analysis Method: 8260B | Date Collected: 04/05/2012 16:10

Sample wt/vol: 4.2(g) | Date Analyzed: 04/11/2012 08:12

Soil Aliquot Vol: | Dilution Factor: 1

Soil Extract Vol.: | GC Column: ZB-624 (60) ID: 0.25(mm)

% Moisture: 17.5 | Level: (low/med) Low

Analysis Batch No.: 58994 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
71-55-6	1,1,1-Trichloroethane	ND		7.2	0.52
79-34-5	1,1,2,2-Tetrachloroethane	ND		7.2	1.2
79-00-5	1,1,2-Trichloroethane	ND		7.2	0.94
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	ND		7.2	1.6
75-34-3	1,1-Dichloroethane	ND		7.2	0.88
75-35-4	1,1-Dichloroethene	ND		7.2	0.88
120-82-1	1,2,4-Trichlorobenzene	ND		7.2	0.44
96-12-8	1,2-Dibromo-3-Chloropropane	ND		7.2	3.6
106-93-4	1,2-Dibromoethane	ND		7.2	0.93
95-50-1	1,2-Dichlorobenzene	ND		7.2	0.56
107-06-2	1,2-Dichloroethane	ND		7.2	0.36
78-87-5	1,2-Dichloropropane	ND		7.2	3.6
541-73-1	1,3-Dichlorobenzene	ND		7.2	0.37
106-46-7	1,4-Dichlorobenzene	ND		7.2	1.0
591-78-6	2-Hexanone	ND		36	3.6
78-93-3	2-Butanone (MEK)	ND		36	2.6
108-10-1	4-Methyl-2-pentanone (MIBK)	ND		36	2.4
67-64-1	Acetone	ND		36	6.1
71-43-2	Benzene	ND		7.2	0.35
75-27-4	Bromodichloromethane	ND		7.2	0.97
75-25-2	Bromoform	ND		7.2	3.6
74-83-9	Bromomethane	ND		7.2	0.65
75-15-0	Carbon disulfide	ND		7.2	3.6
56-23-5	Carbon tetrachloride	ND		7.2	0.70
108-90-7	Chlorobenzene	ND		7.2	0.95
124-48-1	Dibromochloromethane	ND		7.2	0.92
75-00-3	Chloroethane	ND		7.2	1.6
67-66-3	Chloroform	ND		7.2	0.45
74-87-3	Chloromethane	ND		7.2	0.44
156-59-2	cis-1,2-Dichloroethene	ND		7.2	0.92
10061-01-5	cis-1,3-Dichloropropene	ND		7.2	1.0
110-82-7	Cyclohexane	ND		7.2	1.0
75-71-8	Dichlorodifluoromethane	ND		7.2	0.60
100-41-4	Ethylbenzene	ND		7.2	0.50
98-82-8	Isopropylbenzene	ND		7.2	1.1

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Buffalo | Job No.: 480-18292-1

SDG No.:

Client Sample ID: RB-01 (12-24") | Lab Sample ID: 480-18292-7

Matrix: Solid | Lab File ID: F8010.D

Analysis Method: 8260B | Date Collected: 04/05/2012 16:10

Sample wt/vol: 4.2(g) | Date Analyzed: 04/11/2012 08:12

Soil Aliquot Vol: | Dilution Factor: 1

Soil Extract Vol.: | GC Column: ZB-624 (60) ID: 0.25(mm)

% Moisture: 17.5 | Level: (low/med) Low

Analysis Batch No.: 58994 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
79-20-9	Methyl acetate	1.9	J	7.2	1.3
1634-04-4	Methyl tert-butyl ether	ND		7.2	0.71
108-87-2	Methylcyclohexane	ND		7.2	1.1
75-09-2	Methylene Chloride	ND		7.2	3.3
100-42-5	Styrene	ND		7.2	0.36
127-18-4	Tetrachloroethene	ND		7.2	0.97
108-88-3	Toluene	ND		7.2	0.55
156-60-5	trans-1,2-Dichloroethene	ND		7.2	0.74
10061-02-6	trans-1,3-Dichloropropene	ND		7.2	3.2
79-01-6	Trichloroethene	ND		7.2	1.6
75-69-4	Trichlorofluoromethane	ND		7.2	0.68
75-01-4	Vinyl chloride	ND		7.2	0.88
1330-20-7	Xylenes, Total	ND		14	1.2

CAS NO.	SURROGATE	%REC	Q	LIMITS
17060-07-0	1,2-Dichloroethane-d4 (Surr)	96		64-126
2037-26-5	Toluene-d8 (Surr)	109		71-125
460-00-4	4-Bromofluorobenzene (Surr)	108		72-126

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

Lab Name: TestAmerica Buffalo | Job No.: 480-18292-1

SDG No.:

Client Sample ID: RB-01 (12-24") | Lab Sample ID: 480-18292-7

Matrix: Solid | Lab File ID: F8010.D

Analysis Method: 8260B | Date Collected: 04/05/2012 16:10

Sample wt/vol: 4.2(g) | Date Analyzed: 04/11/2012 08:12

Soil Aliquot Vol: | Dilution Factor: 1

Soil Extract Vol.: | GC Column: ZB-624 (60) ID: 0.25(mm)

% Moisture: 17.5 | Level: (low/med) Low

Analysis Batch No.: 58994 | Units: ug/Kg

Number TICs Found: 2 | TIC Result Total: 168

CAS NO.	COMPOUND NAME	RT	RESULT	Q
75-05-8	Acetonitrile	3.77	150	J
	Unknown	9.64	18	T J

TestAmerica Laboratories
Target Compound Quantitation Report

Data File: \\Bufchrom\ChromData\HP5973F\20120410-10884.b\F8010.D
Lims ID: 480-18292-F-7-A Client ID: RB-01 (12-24")
Inject. Date: 11-Apr-2012 08:12:30 Dil. Factor: 1.0000
Sample Type: Client
Sample ID: 480-18292-F-7-A
Misc. Info.: 480-0010884-025 =480-0010884-025
Operator: CDC Instrument ID: HP5973F
Vol. Injected: 1.0000 ALS Bottle#: 20
Lims Batch ID: 58994 Lims Sample ID: 25
Detector: MS SCAN

Method: \\Bufchrom\ChromData\HP5973F\20120410-10884.b\F-8260 SOIL.m
Last Update: 11-Apr-2012 12:48:56 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

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	443164	50.0	
* 2 Chlorobenzene-d5	82	8.500	8.494	0.006	81	178109	50.0	
* 3 1,4-Dichlorobenzene-d4	152	10.800	10.800	0.0	92	208988	50.0	
$ 4 1,2-Dichloroethane-d4 (Surr)	67	5.410	5.404	0.006	98	64584	48.0	
$ 5 Toluene-d8 (Surr)	98	7.040	7.040	0.0	91	459258	54.6	
$ 6 4-Bromofluorobenzene (Surr)	174	9.705	9.705	0.0	91	151714	54.2	
10 Dichlorodifluoromethane	85		2.052					
12 Chloromethane	50		2.204					
13 Vinyl chloride	62		2.325					
14 Bromomethane	94		2.624					
15 Chloroethane	64		2.703					
17 Trichlorofluoromethane	101		2.928					
21 1,1,2-Trichloro-1,2,2-trifluoroe	101		3.305					
22 1,1-Dichloroethene	96		3.335					
23 Acetone	43		3.384					
26 Carbon disulfide	76		3.560					
27 Methyl acetate	43	3.676	3.609	0.067	45	4410	1.31	
30 Methylene Chloride	84		3.737					
32 Methyl tert-butyl ether	73		3.889					
34 trans-1,2-Dichloroethene	96		3.925					
39 1,1-Dichloroethane	63		4.266					
43 2-Butanone (MEK)	43		4.710					
45 cis-1,2-Dichloroethene	96		4.728					
50 Chloroform	83		4.972					
51 1,1,1-Trichloroethane	97		5.124					
52 Cyclohexane	56		5.148					
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		7.703					
83 Chlorodibromomethane	129		7.941					
84 Ethylene Dibromide	107		8.074					
87 Chlorobenzene	112		8.531					
88 Ethylbenzene	91		8.585					
90 m-Xylene & p-Xylene	106		8.701					
91 o-Xylene	106		9.139					
92 Styrene	104		9.157					
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		30.000					7

QC Flag Legend

Processing Flags
7 - Failed Limit of Detection

TestAmerica Laboratories
Tentatively Identified Quantitation Report

Data File:	\\Bufchrom\ChromData\HP5973F\20120410-10884.b\F8010.D		
Lims ID:	480-18292-F-7-A	Client ID:	RB-01 (12-24")
Inject. Date:	11-Apr-2012 08:12:30	Dil. Factor:	1.0000
Sample Type:	Client		
Sample ID:	480-18292-F-7-A		
Misc. Info.:	480-0010884-025 =480-0010884-025		
Operator:	CDC	Instrument ID:	HP5973F
Vol. Injected:	1.0000	ALS Bottle#:	20
Lims Batch ID:	58994	Lims Sample ID:	25
Detector:	MS SCAN		
Method:	\\Bufchrom\ChromData\HP5973F\20120410-10884.b\F-8260 SOIL.m		
Last Update:	11-Apr-2012 12:48:56	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:	0		
Process Host:	CORP-CTX-19		

Calibrated Tentative Identified Compound Results

Compound	RT	Response	Amount ug/kg	Flags
Acetonitrile	3.767	20593	103.0	
Hexane	4.071	8495	2.19	

Tentative Identified Compound Results

RT	Response	Amount ug/kg	Quant Cpnd	Qual	Lib Entry	Flags
		Unknown				
9.638	258300	12.2	2			

Quantitation Compounds

Compound	RT	Response	Amount ug/kg
* 2 Chlorobenzene-d5	8.494	1059757	50.0

QC Flag Legend

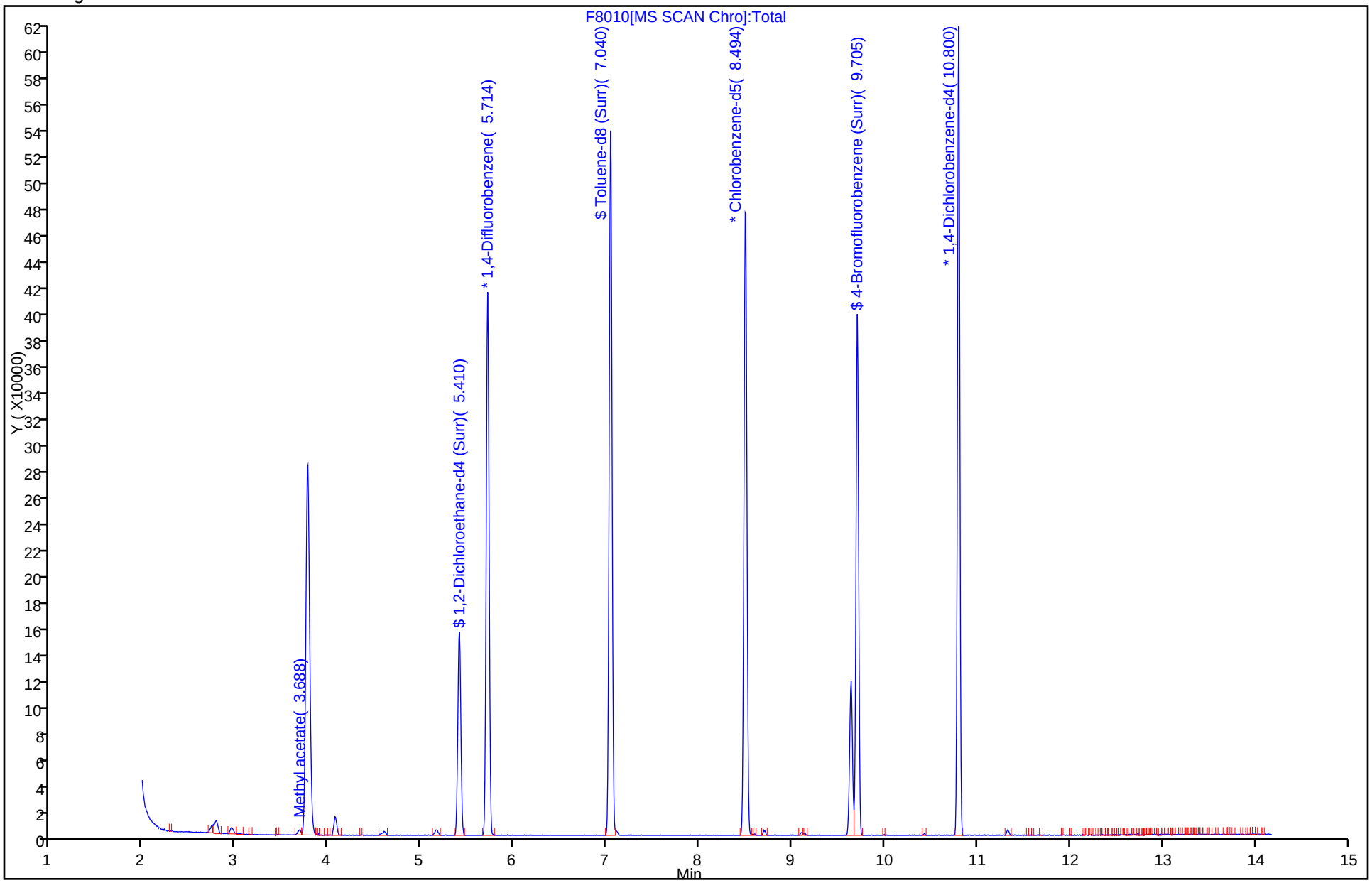
Processing Flags

Report Date: 18-Apr-2012 13:23:27 Chrom Revision: 2.0 20-Feb-2012 13:27:02

Data File: \\Bufchrom\ChromData\HP5973F\20120410-10884.b\F8010.D

Injection Date:	11-Apr-2012 08:12:30	Limit Group:	MV - 8260B ICAL
Client ID:	RB-01 (12-24")	Instrument ID:	HP5973F
Lims Batch ID:	58994	Lims Sample ID:	25
Operator ID:	CDC		
Column Type:	ZB-624	Column Dia:	0.25 mm

Y Scaling:

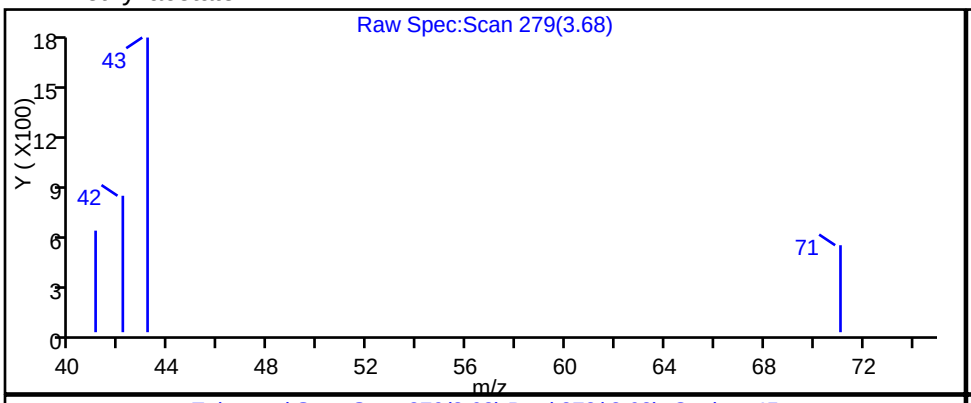


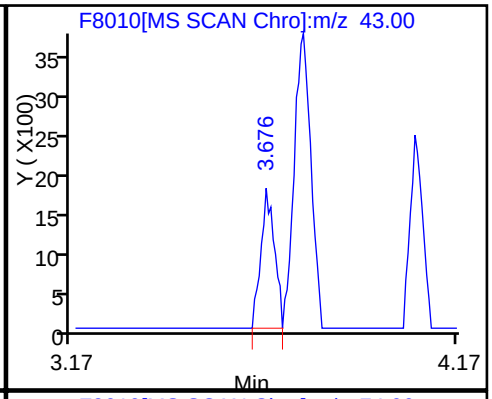
Report Date: 18-Apr-2012 13:23:27 Chrom Revision: 2.0 20-Feb-2012 13:27:02

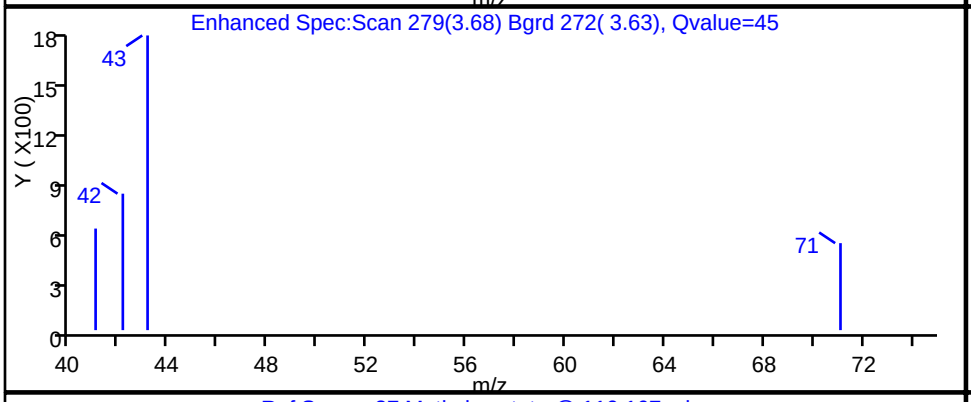
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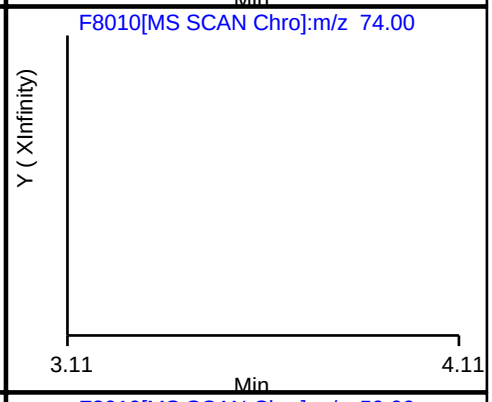
Injection Date:	11-Apr-2012 08:12:30	Limit Group:	MV - 8260B ICAL
Client ID:	RB-01 (12-24")	Instrument ID:	HP5973F
Lims Batch ID:	58994	Lims Sample ID:	25
Operator ID:	CDC		
Column Type:	ZB-624	Column Dia:	0.25 mm

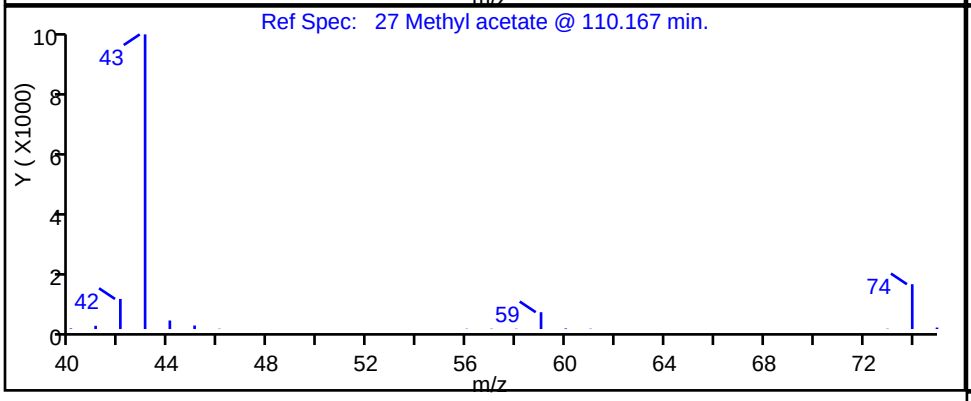
27 Methyl acetate

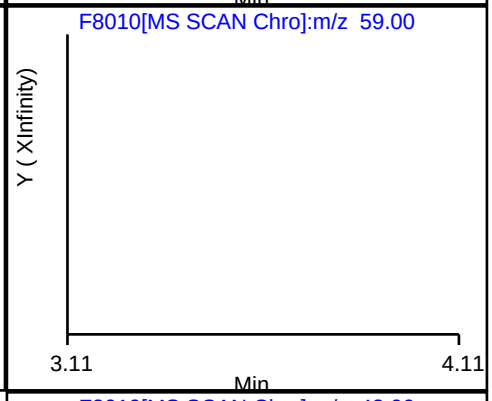


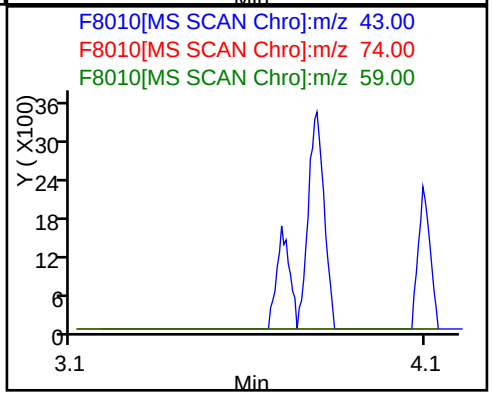










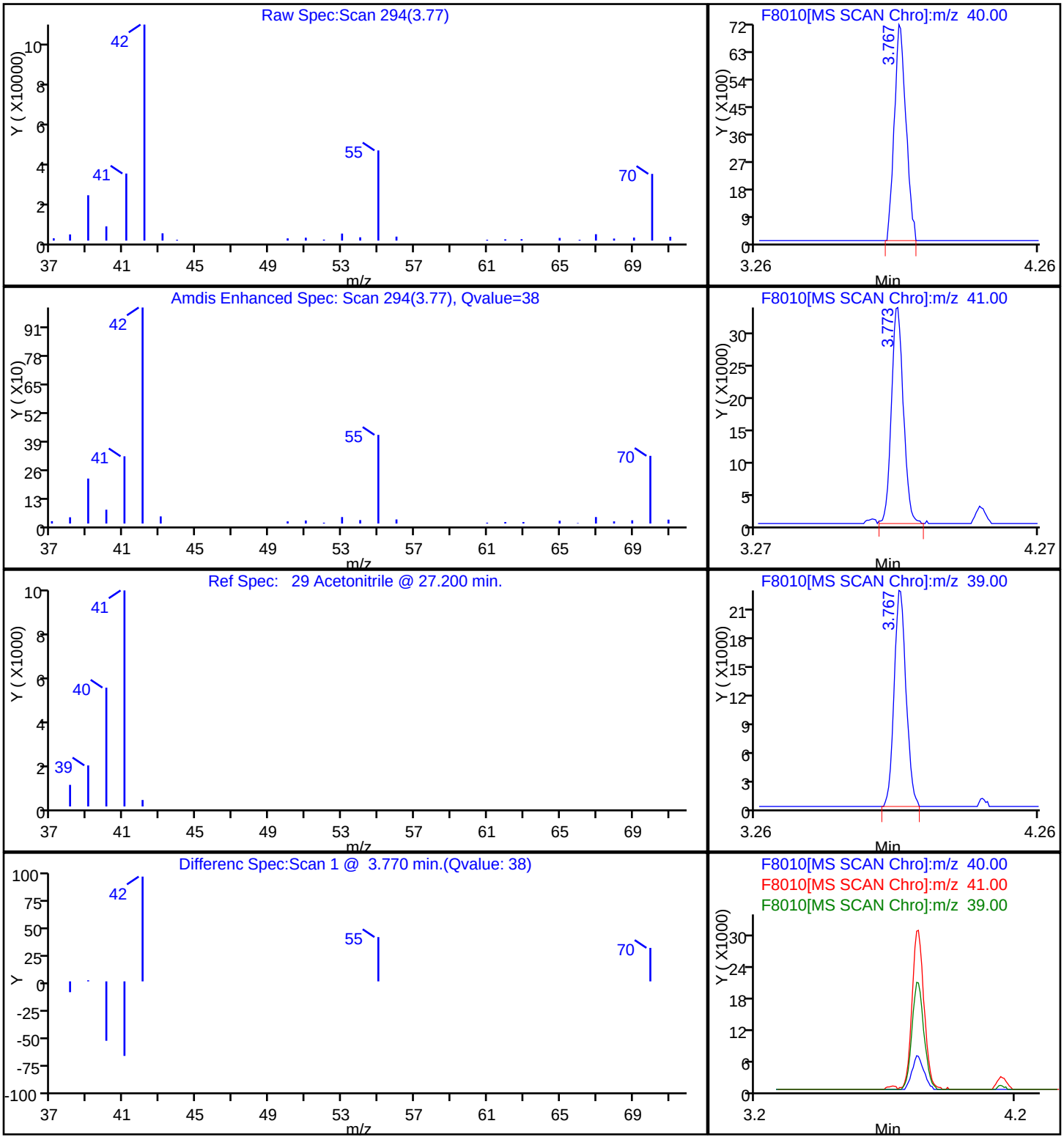


Report Date: 18-Apr-2012 13:23:27 Chrom Revision: 2.0 20-Feb-2012 13:27:02

Data File: \\Bufchrom\ChromData\HP5973F\20120410-10884.b\F8010.D

Injection Date:	11-Apr-2012 08:12:30	Limit Group:	MV - 8260B ICAL
Client ID:	RB-01 (12-24")	Instrument ID:	HP5973F
Lims Batch ID:	58994	Lims Sample ID:	25
Operator ID:	CDC		
Column Type:	ZB-624	Column Dia:	0.25 mm

29 Acetonitrile

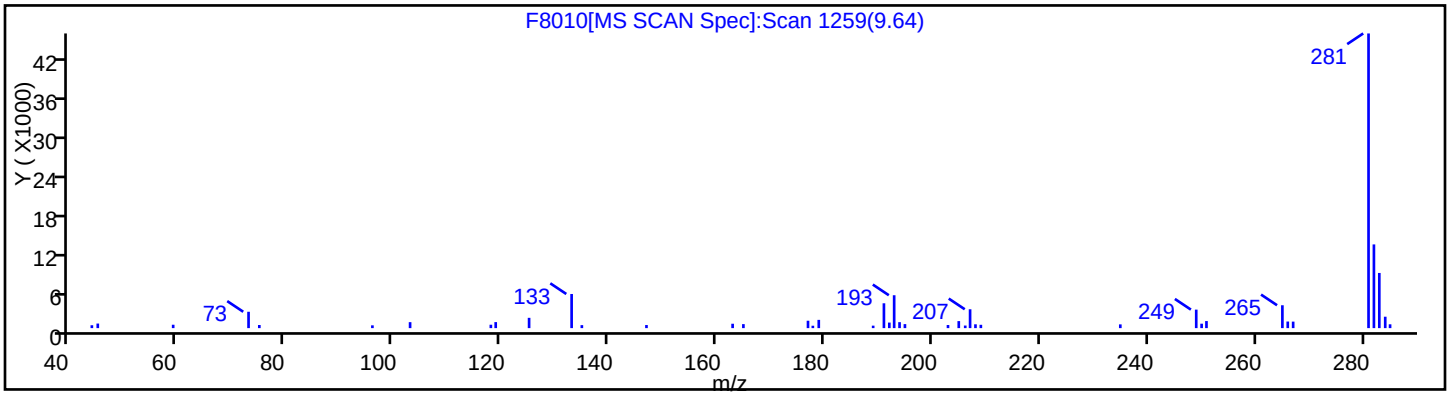


Report Date: 18-Apr-2012 13:23:27 Chrom Revision: 2.0 20-Feb-2012 13:27:02

Data File: \\Bufchrom\ChromData\HP5973F\20120410-10884.b\F8010.D

Injection Date:	11-Apr-2012 08:12:30	Limit Group:	MV - 8260B ICAL
Client ID:	RB-01 (12-24")	Instrument ID:	HP5973F
Lims Batch ID:	58994	Lims Sample ID:	25
Operator ID:	CDC		
Column Type:	ZB-624	Column Dia:	0.25 mm

No Library Matches Found above the Threshold: 0



FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Buffalo | Job No.: 480-18292-1

SDG No.:

Client Sample ID: RB-02 (0-6") | Lab Sample ID: 480-18292-8

Matrix: Solid | Lab File ID: F8019.D

Analysis Method: 8260B | Date Collected: 04/05/2012 16:20

Sample wt/vol: 5.25(g) | Date Analyzed: 04/11/2012 12:18

Soil Aliquot Vol: | Dilution Factor: 1

Soil Extract Vol.: | GC Column: ZB-624 (60) ID: 0.25(mm)

% Moisture: 6.8 | Level: (low/med) Low

Analysis Batch No.: 59033 | 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	0.83
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	ND		5.1	0.62
75-35-4	1,1-Dichloroethene	ND		5.1	0.63
120-82-1	1,2,4-Trichlorobenzene	ND		5.1	0.31
96-12-8	1,2-Dibromo-3-Chloropropane	ND		5.1	2.6
106-93-4	1,2-Dibromoethane	ND		5.1	0.66
95-50-1	1,2-Dichlorobenzene	ND		5.1	0.40
107-06-2	1,2-Dichloroethane	ND		5.1	0.26
78-87-5	1,2-Dichloropropane	ND		5.1	2.6
541-73-1	1,3-Dichlorobenzene	ND		5.1	0.26
106-46-7	1,4-Dichlorobenzene	ND		5.1	0.72
591-78-6	2-Hexanone	ND		26	2.6
78-93-3	2-Butanone (MEK)	ND		26	1.9
108-10-1	4-Methyl-2-pentanone (MIBK)	ND		26	1.7
67-64-1	Acetone	ND		26	4.3
71-43-2	Benzene	ND		5.1	0.25
75-27-4	Bromodichloromethane	ND		5.1	0.68
75-25-2	Bromoform	ND		5.1	2.6
74-83-9	Bromomethane	ND		5.1	0.46
75-15-0	Carbon disulfide	ND		5.1	2.6
56-23-5	Carbon tetrachloride	ND		5.1	0.49
108-90-7	Chlorobenzene	ND		5.1	0.67
124-48-1	Dibromochloromethane	ND		5.1	0.65
75-00-3	Chloroethane	ND		5.1	1.2
67-66-3	Chloroform	ND		5.1	0.32
74-87-3	Chloromethane	ND		5.1	0.31
156-59-2	cis-1,2-Dichloroethene	ND		5.1	0.65
10061-01-5	cis-1,3-Dichloropropene	ND		5.1	0.74
110-82-7	Cyclohexane	ND		5.1	0.72
75-71-8	Dichlorodifluoromethane	ND		5.1	0.42
100-41-4	Ethylbenzene	ND		5.1	0.35
98-82-8	Isopropylbenzene	ND		5.1	0.77

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Buffalo | Job No.: 480-18292-1

SDG No.:

Client Sample ID: RB-02 (0-6") | Lab Sample ID: 480-18292-8

Matrix: Solid | Lab File ID: F8019.D

Analysis Method: 8260B | Date Collected: 04/05/2012 16:20

Sample wt/vol: 5.25(g) | Date Analyzed: 04/11/2012 12:18

Soil Aliquot Vol: | Dilution Factor: 1

Soil Extract Vol.: | GC Column: ZB-624 (60) ID: 0.25(mm)

% Moisture: 6.8 | Level: (low/med) Low

Analysis Batch No.: 59033 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
79-20-9	Methyl acetate	ND		5.1	0.95
1634-04-4	Methyl tert-butyl ether	ND		5.1	0.50
108-87-2	Methylcyclohexane	ND		5.1	0.78
75-09-2	Methylene Chloride	ND		5.1	2.3
100-42-5	Styrene	ND		5.1	0.26
127-18-4	Tetrachloroethene	ND		5.1	0.69
108-88-3	Toluene	ND		5.1	0.39
156-60-5	trans-1,2-Dichloroethene	ND		5.1	0.53
10061-02-6	trans-1,3-Dichloropropene	ND		5.1	2.2
79-01-6	Trichloroethene	ND		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	ND		10	0.86

CAS NO.	SURROGATE	%REC	Q	LIMITS
17060-07-0	1,2-Dichloroethane-d4 (Surr)	97		64-126
2037-26-5	Toluene-d8 (Surr)	108		71-125
460-00-4	4-Bromofluorobenzene (Surr)	108		72-126

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

Lab Name: TestAmerica Buffalo | Job No.: 480-18292-1

SDG No.:

Client Sample ID: RB-02 (0-6") | Lab Sample ID: 480-18292-8

Matrix: Solid | Lab File ID: F8019.D

Analysis Method: 8260B | Date Collected: 04/05/2012 16:20

Sample wt/vol: 5.25(g) | Date Analyzed: 04/11/2012 12:18

Soil Aliquot Vol: | Dilution Factor: 1

Soil Extract Vol.: | GC Column: ZB-624 (60) ID: 0.25(mm)

% Moisture: 6.8 | Level: (low/med) Low

Analysis Batch No.: 59033 | Units: ug/Kg

Number TICs Found: 3 | TIC Result Total: 108.2

CAS NO.	COMPOUND NAME	RT	RESULT	Q
287-92-3	Cyclopentane	3.77	89	T J N
110-54-3	Hexane	4.07	3.2	J
	Unknown	9.64	16	T J

TestAmerica Laboratories
Target Compound Quantitation Report

Data File:	\\Bufchrom\ChromData\HP5973F\20120411-10889.b\F8019.D		
Lims ID:	480-18292-F-8-A	Client ID:	RB-02 (0-6")
Inject. Date:	11-Apr-2012 12:18:30	Dil. Factor:	1.0000
Sample Type:	Client		
Sample ID:	480-18292-F-8-A		
Misc. Info.:	480-0010889-010 =480-0010889-010		
Operator:	jmb	Instrument ID:	HP5973F
Vol. Injected:	1.0000	ALS Bottle#:	9
Lims Batch ID:	59033	Lims Sample ID:	10
Detector:	MS SCAN		
Method:	\\Bufchrom\ChromData\HP5973F\20120411-10889.b\F-8260 SOIL.m		
Last Update:	18-Apr-2012 13:21:54	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:	11-Apr-2012 18:57:33

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	446881	50.0	
* 2 Chlorobenzene-d5	82	8.494	8.494	0.0	81	181307	50.0	
* 3 1,4-Dichlorobenzene-d4	152	10.800	10.800	0.0	92	208658	50.0	
$ 4 1,2-Dichloroethane-d4 (Surr)	67	5.404	5.404	0.0	98	65592	48.3	
$ 5 Toluene-d8 (Surr)	98	7.040	7.040	0.0	91	463120	54.1	
$ 6 4-Bromofluorobenzene (Surr)	174	9.705	9.705	0.0	92	153837	54.0	
10 Dichlorodifluoromethane	85		2.058					
12 Chloromethane	50		2.210					
13 Vinyl chloride	62		2.325					
14 Bromomethane	94		2.630					
15 Chloroethane	64		2.709					
17 Trichlorofluoromethane	101		2.928					
21 1,1,2-Trichloro-1,2,2-trifluoroe	101		3.311					
22 1,1-Dichloroethene	96		3.335					
23 Acetone	43		3.384					
26 Carbon disulfide	76		3.560					
27 Methyl acetate	43		3.609					
30 Methylene Chloride	84		3.737					
32 Methyl tert-butyl ether	73		3.895					
34 trans-1,2-Dichloroethene	96		3.925					
39 1,1-Dichloroethane	63		4.266					
43 2-Butanone (MEK)	43		4.716					
45 cis-1,2-Dichloroethene	96		4.728					
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		7.636					
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		8.585					
90 m-Xylene & p-Xylene	106		8.701					
91 o-Xylene	106		9.139					
92 Styrene	104		9.157					
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		30.000					7

QC Flag Legend

Processing Flags
7 - Failed Limit of Detection

TestAmerica Laboratories
Tentatively Identified Quantitation Report

Data File:	\\Bufchrom\ChromData\HP5973F\20120411-10889.b\F8019.D		
Lims ID:	480-18292-F-8-A	Client ID:	RB-02 (0-6")
Inject. Date:	11-Apr-2012 12:18:30	Dil. Factor:	1.0000
Sample Type:	Client		
Sample ID:	480-18292-F-8-A		
Misc. Info.:	480-0010889-010 =480-0010889-010		
Operator:	jmb	Instrument ID:	HP5973F
Vol. Injected:	1.0000	ALS Bottle#:	9
Lims Batch ID:	59033	Lims Sample ID:	10
Detector:	MS SCAN		
Method:	\\Bufchrom\ChromData\HP5973F\20120411-10889.b\F-8260 SOIL.m		
Last Update:	18-Apr-2012 13:21:54	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:	11-Apr-2012 18:57:33

Calibrated Tentative Identified Compound Results

Compound	RT	Response	Amount ug/kg	Flags
Hexane	4.065	12431	3.18	

Tentative Identified Compound Results

RT	Response	Amount ug/kg	Quant Cpnd	Qual	Lib Entry	Flags
287-92-3 Cyclopentane						
3.767	1583613	86.9	1	86	109034	
Unknown						
9.638	347137	16.1	2			

Quantitation Compounds

Compound	RT	Response	Amount ug/kg
* 1 1,4-Difluorobenzene	5.714	911240	50.0
* 2 Chlorobenzene-d5	8.494	1075256	50.0

QC Flag Legend

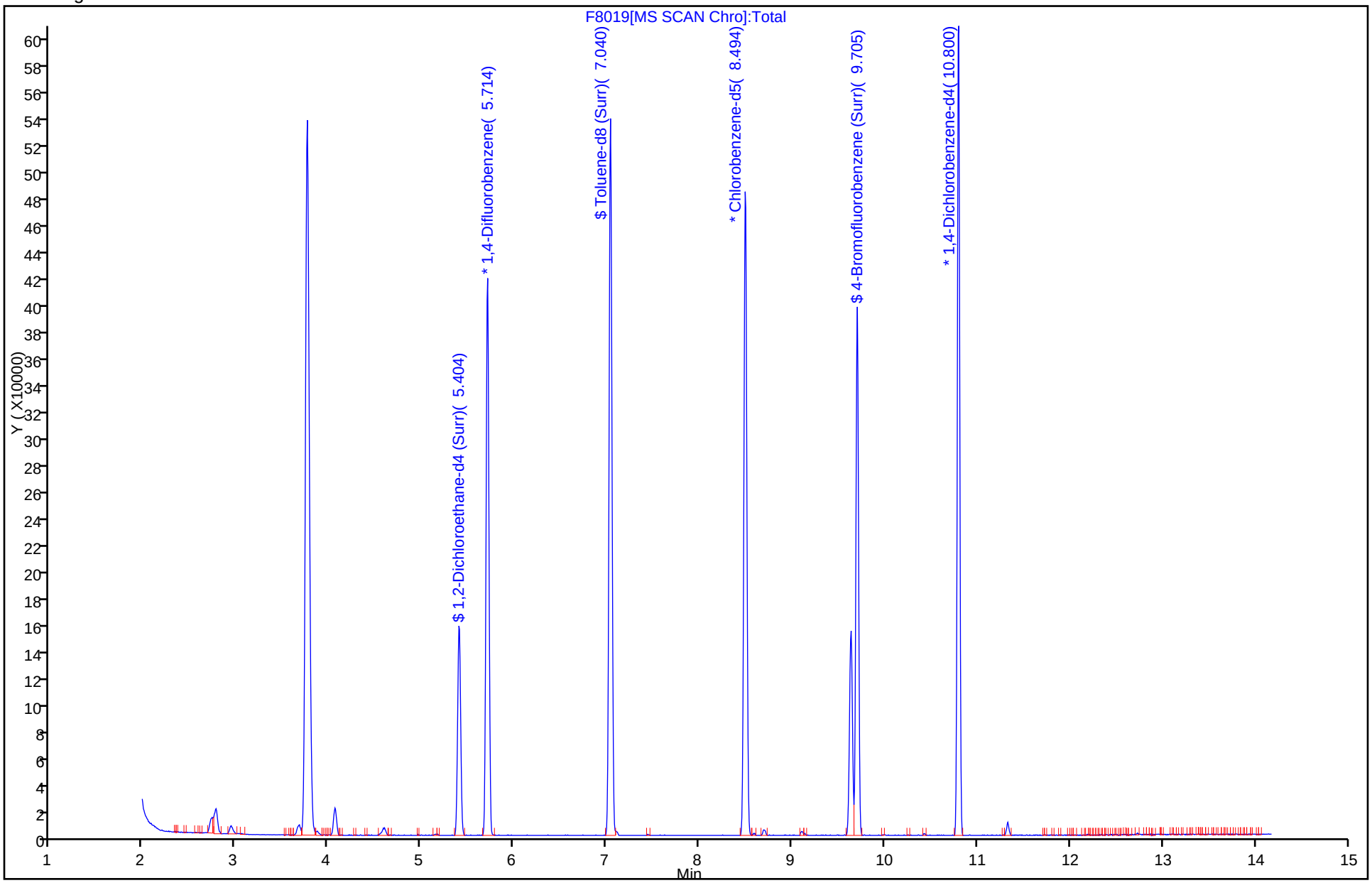
Processing Flags

Report Date: 18-Apr-2012 14:43:49 Chrom Revision: 2.0 20-Feb-2012 13:27:02

Data File: \\Bufchrom\ChromData\HP5973F\20120411-10889.b\F8019.D

Injection Date:	11-Apr-2012 12:18:30	Limit Group:	MV - 8260B ICAL
Client ID:	RB-02 (0-6")	Instrument ID:	HP5973F
Lims Batch ID:	59033	Lims Sample ID:	10
Operator ID:	jmb		
Column Type:	ZB-624	Column Dia:	0.25 mm

Y Scaling:

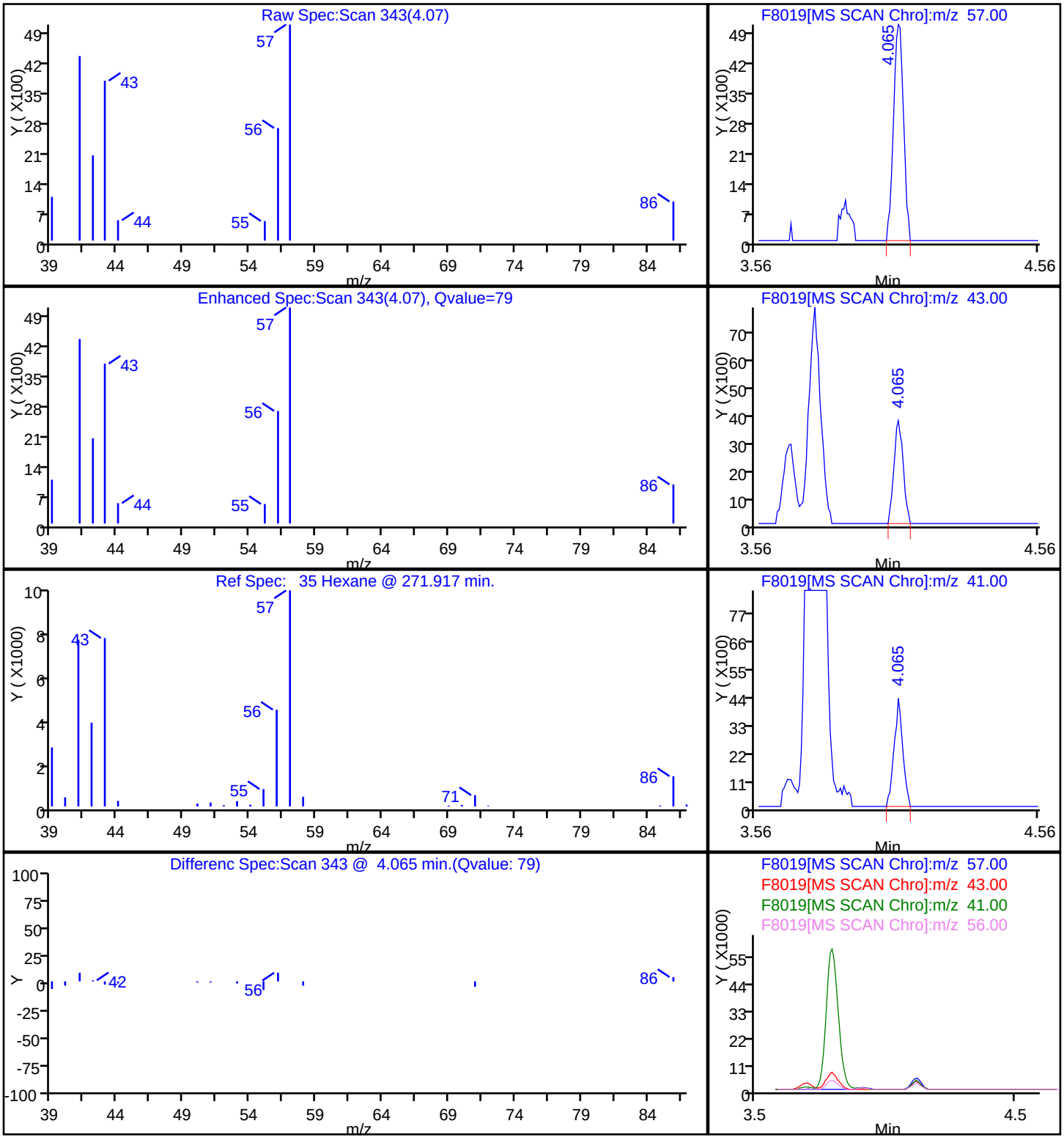


Report Date: 18-Apr-2012 14:43:49 Chrom Revision: 2.0 20-Feb-2012 13:27:02

Data File: \\Bufchrom\ChromData\HP5973F\20120411-10889.b\F8019.D

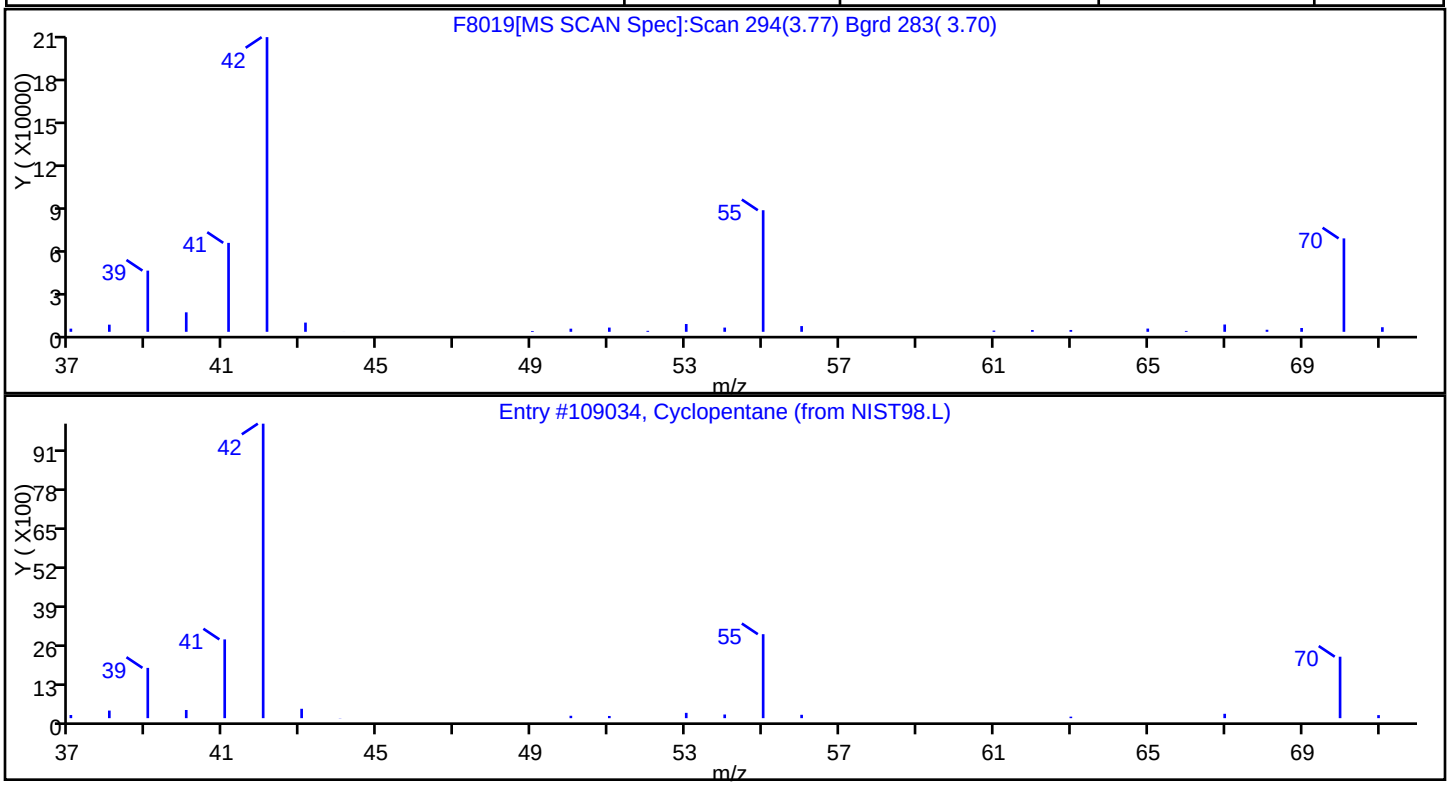
Injection Date:	11-Apr-2012 12:18:30	Limit Group:	MV - 8260B ICAL
Client ID:	RB-02 (0-6")	Instrument ID:	HP5973F
Lims Batch ID:	59033	Lims Sample ID:	10
Operator ID:	jmb		
Column Type:	ZB-624	Column Dia:	0.25 mm

35 Hexane



Report Date: 18-Apr-2012 14:43:49 Chrom Revision: 2.0 20-Feb-2012 13:27:02
Data File: \\Bufchrom\ChromData\HP5973F\20120411-10889.b\F8019.D
Injection Date: 11-Apr-2012 12:18:30 Limit Group: MV - 8260B ICAL
Client ID: RB-02 (0-6") Instrument ID: HP5973F
Lims Batch ID: 59033 Lims Sample ID: 10
Operator ID: jmb
Column Type: ZB-624 Column Dia: 0.25 mm

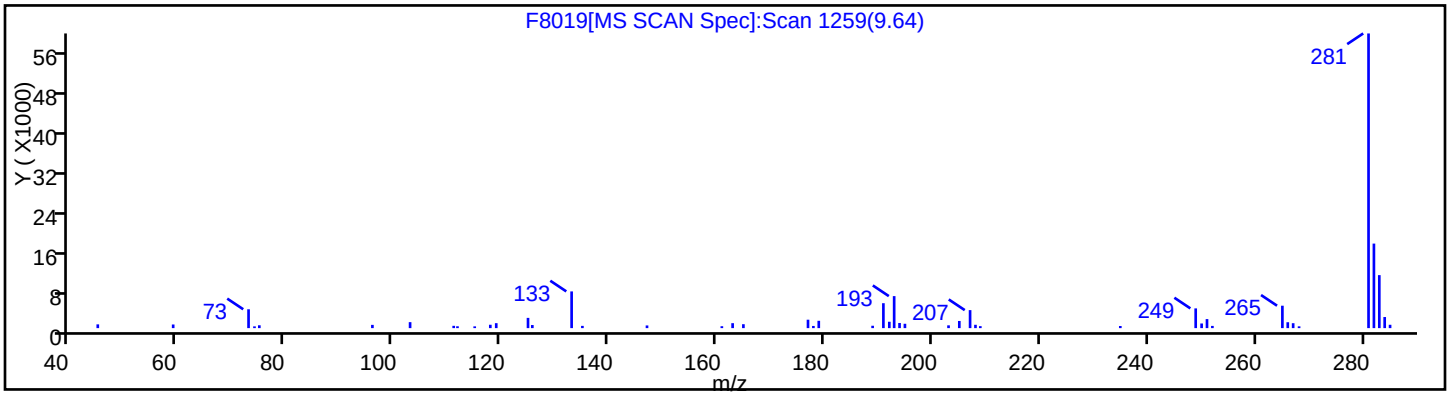
Library Search Compound Match	CAS Number	Library	Entry	Quality
Cyclopentane	287-92-3	NIST98.L	109034	86



Report Date: 18-Apr-2012 14:43:49 Chrom Revision: 2.0 20-Feb-2012 13:27:02

Data File:	\\Bufchrom\ChromData\HP5973F\20120411-10889.b\F8019.D		
Injection Date:	11-Apr-2012 12:18:30	Limit Group:	MV - 8260B ICAL
Client ID:	RB-02 (0-6")	Instrument ID:	HP5973F
Lims Batch ID:	59033	Lims Sample ID:	10
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.: 480-18292-1

SDG No.:

Client Sample ID: RB-02 (6-12") | Lab Sample ID: 480-18292-9

Matrix: Solid | Lab File ID: F8020.D

Analysis Method: 8260B | Date Collected: 04/05/2012 16:40

Sample wt/vol: 5.58(g) | Date Analyzed: 04/11/2012 12:44

Soil Aliquot Vol: | Dilution Factor: 1

Soil Extract Vol.: | GC Column: ZB-624 (60) ID: 0.25(mm)

% Moisture: 7.6 | Level: (low/med) Low

Analysis Batch No.: 59033 | 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.: 480-18292-1

SDG No.:

Client Sample ID: RB-02 (6-12") | Lab Sample ID: 480-18292-9

Matrix: Solid | Lab File ID: F8020.D

Analysis Method: 8260B | Date Collected: 04/05/2012 16:40

Sample wt/vol: 5.58(g) | Date Analyzed: 04/11/2012 12:44

Soil Aliquot Vol: | Dilution Factor: 1

Soil Extract Vol.: | GC Column: ZB-624 (60) ID: 0.25(mm)

% Moisture: 7.6 | Level: (low/med) Low

Analysis Batch No.: 59033 | 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)	97		64-126
2037-26-5	Toluene-d8 (Surr)	108		71-125
460-00-4	4-Bromofluorobenzene (Surr)	108		72-126

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

Lab Name: TestAmerica Buffalo | Job No.: 480-18292-1

SDG No.:

Client Sample ID: RB-02 (6-12") | Lab Sample ID: 480-18292-9

Matrix: Solid | Lab File ID: F8020.D

Analysis Method: 8260B | Date Collected: 04/05/2012 16:40

Sample wt/vol: 5.58(g) | Date Analyzed: 04/11/2012 12:44

Soil Aliquot Vol: | Dilution Factor: 1

Soil Extract Vol.: | GC Column: ZB-624 (60) ID: 0.25(mm)

% Moisture: 7.6 | Level: (low/med) Low

Analysis Batch No.: 59033 | Units: ug/Kg

Number TICs Found: 3 | TIC Result Total: 107.5

CAS NO.	COMPOUND NAME	RT	RESULT	Q
287-92-3	Cyclopentane	3.77	88	T J N
110-54-3	Hexane	4.07	3.5	J
	Unknown	9.64	16	T J

TestAmerica Laboratories
Target Compound Quantitation Report

Data File:	\\Bufchrom\ChromData\HP5973F\20120411-10889.b\F8020.D		
Lims ID:	480-18292-F-9-A	Client ID:	RB-02 (6-12")
Inject. Date:	11-Apr-2012 12:44:30	Dil. Factor:	1.0000
Sample Type:	Client		
Sample ID:	480-18292-F-9-A		
Misc. Info.:	480-0010889-011 =480-0010889-011		
Operator:	jmb	Instrument ID:	HP5973F
Vol. Injected:	1.0000	ALS Bottle#:	10
Lims Batch ID:	59033	Lims Sample ID:	11
Detector:	MS SCAN		
Method:	\\Bufchrom\ChromData\HP5973F\20120411-10889.b\F-8260 SOIL.m		
Last Update:	18-Apr-2012 13:21:54	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:	11-Apr-2012 18:57:18

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	440793	50.0	
* 2 Chlorobenzene-d5	82	8.494	8.494	0.0	81	177892	50.0	
* 3 1,4-Dichlorobenzene-d4	152	10.800	10.800	0.0	92	207046	50.0	
$ 4 1,2-Dichloroethane-d4 (Surr)	67	5.410	5.404	0.006	98	64973	48.5	
$ 5 Toluene-d8 (Surr)	98	7.040	7.040	0.0	92	455437	54.2	
$ 6 4-Bromofluorobenzene (Surr)	174	9.705	9.705	0.0	91	150763	53.9	
10 Dichlorodifluoromethane	85		2.058					
12 Chloromethane	50		2.210					
13 Vinyl chloride	62		2.325					
14 Bromomethane	94		2.630					
15 Chloroethane	64		2.709					
17 Trichlorofluoromethane	101		2.928					
21 1,1,2-Trichloro-1,2,2-trifluoroe	101		3.311					
22 1,1-Dichloroethene	96		3.335					
23 Acetone	43		3.384					
26 Carbon disulfide	76		3.560					
27 Methyl acetate	43		3.609					
30 Methylene Chloride	84		3.737					
32 Methyl tert-butyl ether	73		3.895					
34 trans-1,2-Dichloroethene	96		3.925					
39 1,1-Dichloroethane	63		4.266					
43 2-Butanone (MEK)	43		4.716					
45 cis-1,2-Dichloroethene	96		4.728					
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		7.636					
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		8.585					
90 m-Xylene & p-Xylene	106		8.701					
91 o-Xylene	106		9.139					
92 Styrene	104		9.157					
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		30.000					7

QC Flag Legend

Processing Flags
7 - Failed Limit of Detection

TestAmerica Laboratories
Tentatively Identified Quantitation Report

Data File:	\\Bufchrom\ChromData\HP5973F\20120411-10889.b\F8020.D		
Lims ID:	480-18292-F-9-A	Client ID:	RB-02 (6-12")
Inject. Date:	11-Apr-2012 12:44:30	Dil. Factor:	1.0000
Sample Type:	Client		
Sample ID:	480-18292-F-9-A		
Misc. Info.:	480-0010889-011 =480-0010889-011		
Operator:	jmb	Instrument ID:	HP5973F
Vol. Injected:	1.0000	ALS Bottle#:	10
Lims Batch ID:	59033	Lims Sample ID:	11
Detector:	MS SCAN		
Method:	\\Bufchrom\ChromData\HP5973F\20120411-10889.b\F-8260 SOIL.m		
Last Update:	18-Apr-2012 13:21:54	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:	11-Apr-2012 18:57:18

Calibrated Tentative Identified Compound Results

Compound	RT	Response	Amount ug/kg	Flags
Hexane	4.071	13758	3.57	

Tentative Identified Compound Results

RT	Response	Amount ug/kg	Quant Cpnd	Qual	Lib Entry	Flags
287-92-3 Cyclopentane						
3.773	1625166	90.3	1	86	109034	
Unknown						
9.638	353321	16.7	2			

Quantitation Compounds

Compound	RT	Response	Amount ug/kg
* 1 1,4-Difluorobenzene	5.714	900247	50.0
* 2 Chlorobenzene-d5	8.494	1060590	50.0

QC Flag Legend

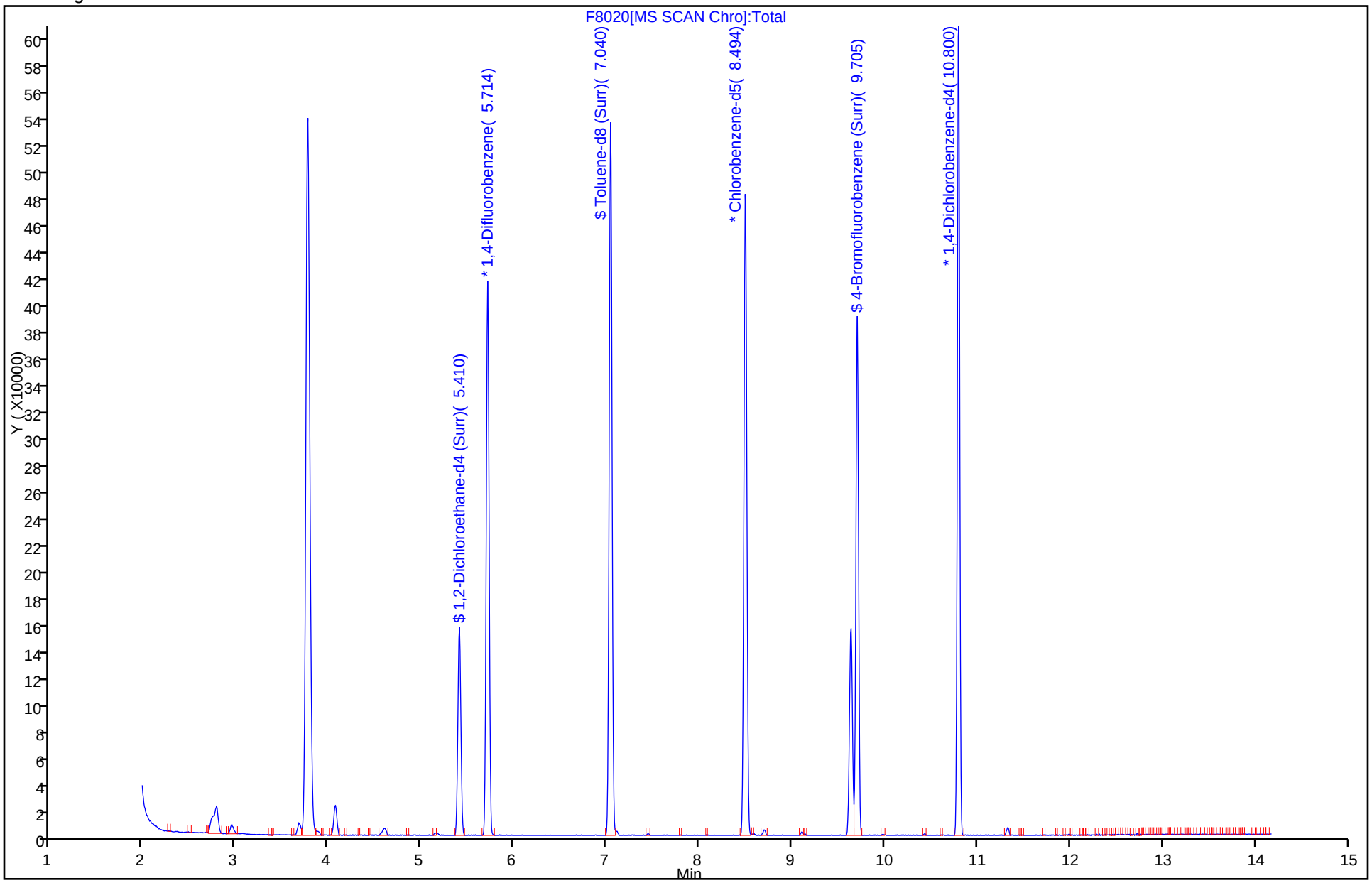
Processing Flags

Report Date: 18-Apr-2012 14:43:49 Chrom Revision: 2.0 20-Feb-2012 13:27:02

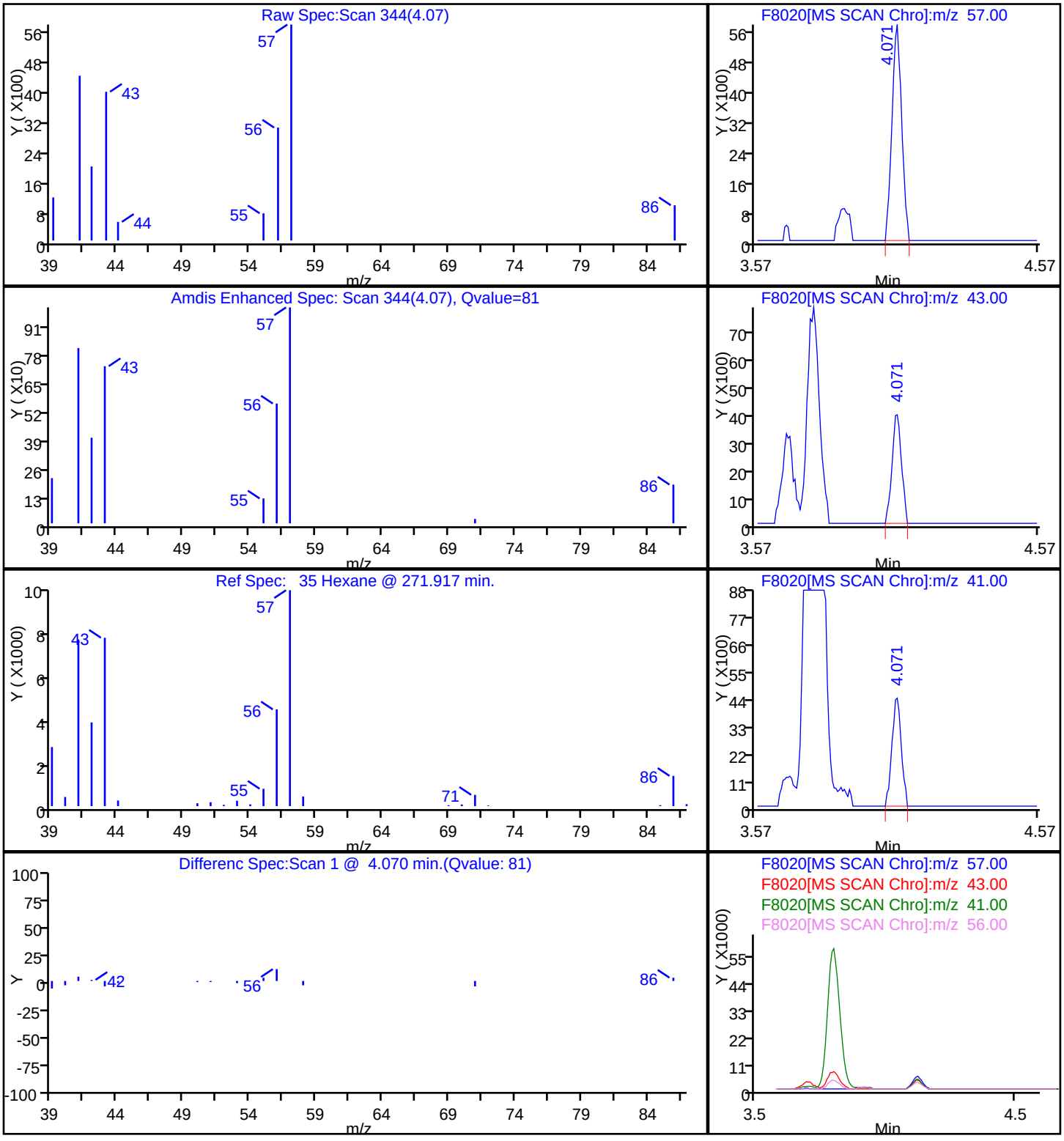
Data File: \\Bufchrom\ChromData\HP5973F\20120411-10889.b\F8020.D

Injection Date:	11-Apr-2012 12:44:30	Limit Group:	MV - 8260B ICAL
Client ID:	RB-02 (6-12")	Instrument ID:	HP5973F
Lims Batch ID:	59033	Lims Sample ID:	11
Operator ID:	jmb		
Column Type:	ZB-624	Column Dia:	0.25 mm

Y Scaling:

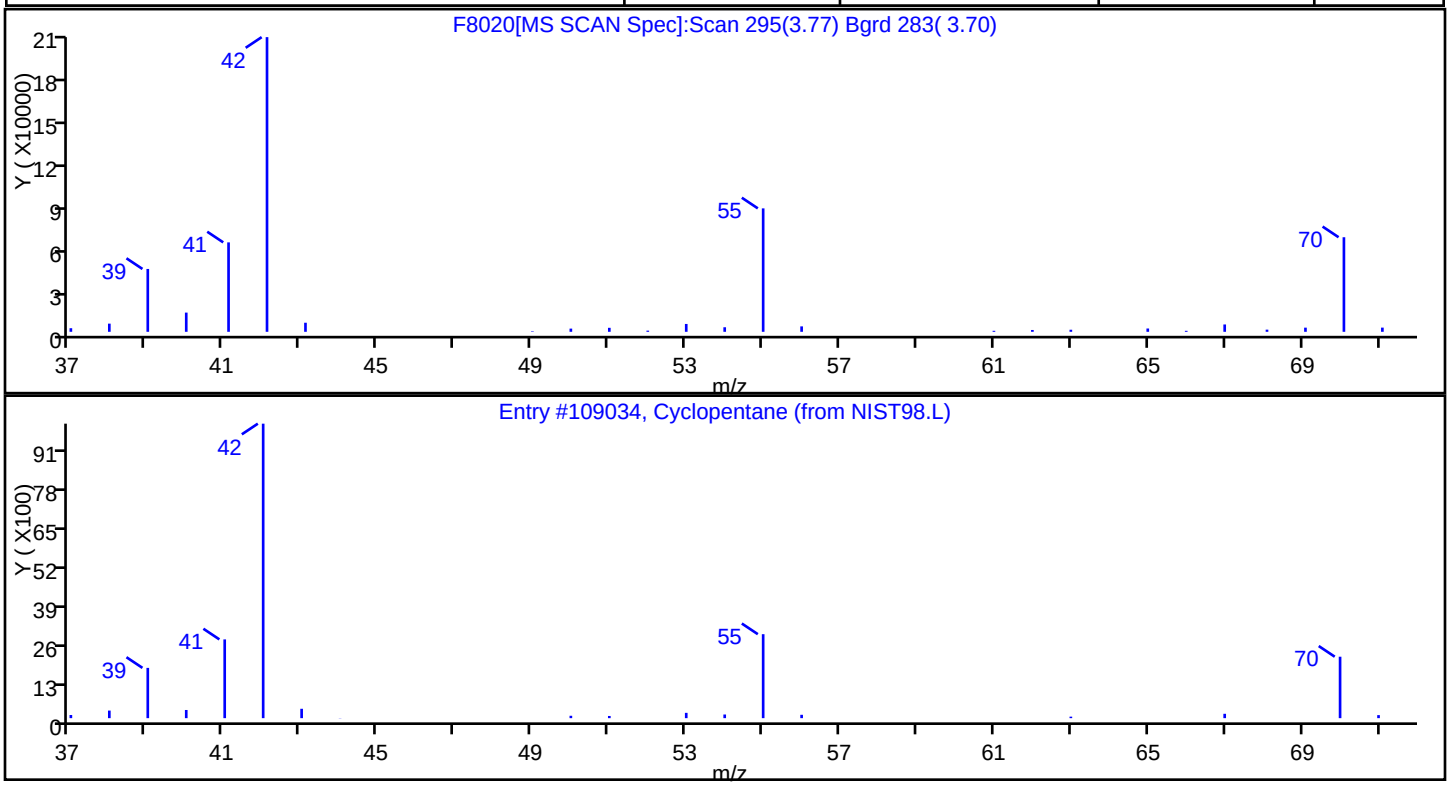


Report Date: 18-Apr-2012 14:43:49 Chrom Revision: 2.0 20-Feb-2012 13:27:02
Data File: \\Bufchrom\ChromData\HP5973F\20120411-10889.b\F8020.D
Injection Date: 11-Apr-2012 12:44:30 Limit Group: MV - 8260B ICAL
Client ID: RB-02 (6-12") Instrument ID: HP5973F
Lims Batch ID: 59033 Lims Sample ID: 11
Operator ID: jmb
Column Type: ZB-624 Column Dia: 0.25 mm
35 Hexane



Report Date: 18-Apr-2012 14:43:50 Chrom Revision: 2.0 20-Feb-2012 13:27:02
Data File: \\Bufchrom\ChromData\HP5973F\20120411-10889.b\F8020.D
Injection Date: 11-Apr-2012 12:44:30 Limit Group: MV - 8260B ICAL
Client ID: RB-02 (6-12") Instrument ID: HP5973F
Lims Batch ID: 59033 Lims Sample ID: 11
Operator ID: jmb
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	86

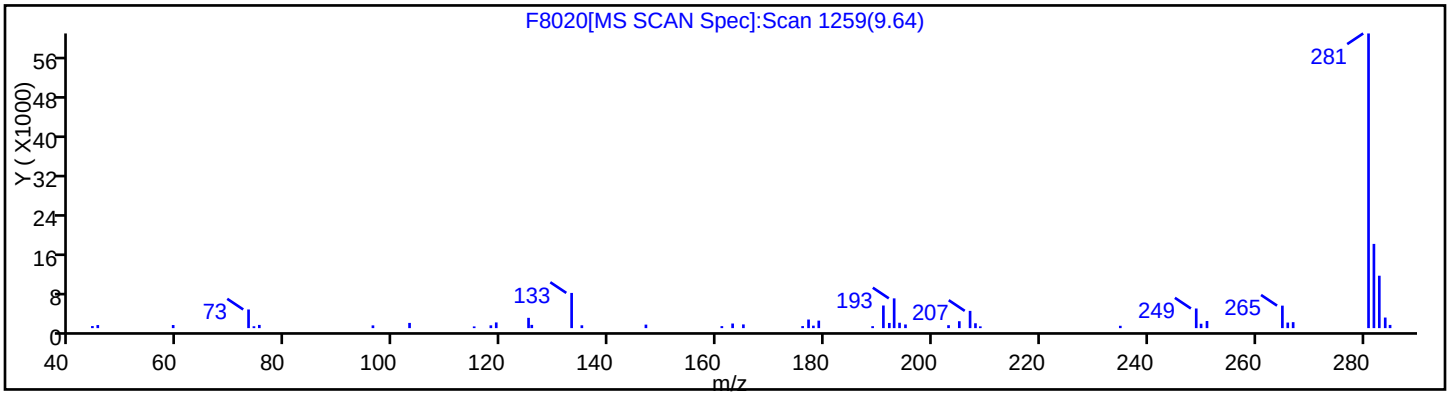


Report Date: 18-Apr-2012 14:43:50 Chrom Revision: 2.0 20-Feb-2012 13:27:02

Data File: \\Bufchrom\ChromData\HP5973F\20120411-10889.b\F8020.D

Injection Date:	11-Apr-2012 12:44:30	Limit Group:	MV - 8260B ICAL
Client ID:	RB-02 (6-12")	Instrument ID:	HP5973F
Lims Batch ID:	59033	Lims Sample ID:	11
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.: 480-18292-1

SDG No.:

Client Sample ID: RB-02 (12-24") | Lab Sample ID: 480-18292-10

Matrix: Solid | Lab File ID: F8021.D

Analysis Method: 8260B | Date Collected: 04/05/2012 16:50

Sample wt/vol: 5.27(g) | Date Analyzed: 04/11/2012 13:09

Soil Aliquot Vol: | Dilution Factor: 1

Soil Extract Vol.: | GC Column: ZB-624 (60) ID: 0.25(mm)

% Moisture: 11.3 | Level: (low/med) Low

Analysis Batch No.: 59033 | 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	0.87
79-00-5	1,1,2-Trichloroethane	ND		5.3	0.70
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	0.33
96-12-8	1,2-Dibromo-3-Chloropropane	ND		5.3	2.7
106-93-4	1,2-Dibromoethane	ND		5.3	0.69
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	2.0
108-10-1	4-Methyl-2-pentanone (MIBK)	ND		27	1.8
67-64-1	Acetone	ND		27	4.5
71-43-2	Benzene	ND		5.3	0.26
75-27-4	Bromodichloromethane	ND		5.3	0.72
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	0.71
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	0.81

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Buffalo | Job No.: 480-18292-1

SDG No.:

Client Sample ID: RB-02 (12-24") | Lab Sample ID: 480-18292-10

Matrix: Solid | Lab File ID: F8021.D

Analysis Method: 8260B | Date Collected: 04/05/2012 16:50

Sample wt/vol: 5.27(g) | Date Analyzed: 04/11/2012 13:09

Soil Aliquot Vol: | Dilution Factor: 1

Soil Extract Vol.: | GC Column: ZB-624 (60) ID: 0.25(mm)

% Moisture: 11.3 | Level: (low/med) Low

Analysis Batch No.: 59033 | 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	0.53
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	0.72
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	2.4
79-01-6	Trichloroethene	ND		5.3	1.2
75-69-4	Trichlorofluoromethane	ND		5.3	0.51
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)	99		64-126
2037-26-5	Toluene-d8 (Surr)	108		71-125
460-00-4	4-Bromofluorobenzene (Surr)	108		72-126

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

Lab Name: TestAmerica Buffalo | Job No.: 480-18292-1

SDG No.:

Client Sample ID: RB-02 (12-24") | Lab Sample ID: 480-18292-10

Matrix: Solid | Lab File ID: F8021.D

Analysis Method: 8260B | Date Collected: 04/05/2012 16:50

Sample wt/vol: 5.27(g) | Date Analyzed: 04/11/2012 13:09

Soil Aliquot Vol: | Dilution Factor: 1

Soil Extract Vol.: | GC Column: ZB-624 (60) ID: 0.25(mm)

% Moisture: 11.3 | Level: (low/med) Low

Analysis Batch No.: 59033 | Units: ug/Kg

Number TICs Found: 3 | TIC Result Total: 116.8

CAS NO.	COMPOUND NAME	RT	RESULT	Q
	Unknown	3.77	89	T J
110-54-3	Hexane	4.07	3.8	J
556-67-2	Cyclotetrasiloxane, octamethyl-	9.64	24	T J N

TestAmerica Laboratories
Target Compound Quantitation Report

Data File:	\\Bufchrom\ChromData\HP5973F\20120411-10889.b\F8021.D		
Lims ID:	480-18292-G-10-A	Client ID:	RB-02 (12-24")
Inject. Date:	11-Apr-2012 13:09:30	Dil. Factor:	1.0000
Sample Type:	Client		
Sample ID:	480-18292-G-10-A		
Misc. Info.:	480-0010889-012 =480-0010889-012		
Operator:	jmb	Instrument ID:	HP5973F
Vol. Injected:	1.0000	ALS Bottle#:	11
Lims Batch ID:	59033	Lims Sample ID:	12
Detector:	MS SCAN		
Method:	\\Bufchrom\ChromData\HP5973F\20120411-10889.b\F-8260 SOIL.m		
Last Update:	18-Apr-2012 13:21:54	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:	11-Apr-2012 18:58:16

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	436381	50.0	
* 2 Chlorobenzene-d5	82	8.494	8.494	0.0	80	180633	50.0	
* 3 1,4-Dichlorobenzene-d4	152	10.800	10.800	0.0	92	207010	50.0	
$ 4 1,2-Dichloroethane-d4 (Surr)	67	5.410	5.404	0.006	99	65659	49.5	
$ 5 Toluene-d8 (Surr)	98	7.040	7.040	0.0	91	458700	53.8	
$ 6 4-Bromofluorobenzene (Surr)	174	9.705	9.705	0.0	91	153856	54.2	
10 Dichlorodifluoromethane	85		2.058					
12 Chloromethane	50		2.210					
13 Vinyl chloride	62		2.325					
14 Bromomethane	94		2.630					
15 Chloroethane	64		2.709					
17 Trichlorofluoromethane	101		2.928					
21 1,1,2-Trichloro-1,2,2-trifluoroe	101		3.311					
22 1,1-Dichloroethene	96		3.335					
23 Acetone	43		3.384					
26 Carbon disulfide	76		3.560					
27 Methyl acetate	43		3.609					
30 Methylene Chloride	84		3.737					
32 Methyl tert-butyl ether	73		3.895					
34 trans-1,2-Dichloroethene	96		3.925					
39 1,1-Dichloroethane	63		4.266					
43 2-Butanone (MEK)	43		4.716					
45 cis-1,2-Dichloroethene	96		4.728					
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		7.636					
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		8.585					
90 m-Xylene & p-Xylene	106		8.701					
91 o-Xylene	106		9.139					
92 Styrene	104		9.157					
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		30.000					7

QC Flag Legend

Processing Flags
7 - Failed Limit of Detection

TestAmerica Laboratories
Tentatively Identified Quantitation Report

Data File:	\\Bufchrom\ChromData\HP5973F\20120411-10889.b\F8021.D		
Lims ID:	480-18292-G-10-A	Client ID:	RB-02 (12-24")
Inject. Date:	11-Apr-2012 13:09:30	Dil. Factor:	1.0000
Sample Type:	Client		
Sample ID:	480-18292-G-10-A		
Misc. Info.:	480-0010889-012 =480-0010889-012		
Operator:	jmb	Instrument ID:	HP5973F
Vol. Injected:	1.0000	ALS Bottle#:	11
Lims Batch ID:	59033	Lims Sample ID:	12
Detector:	MS SCAN		
Method:	\\Bufchrom\ChromData\HP5973F\20120411-10889.b\F-8260 SOIL.m		
Last Update:	18-Apr-2012 13:21:54	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:	11-Apr-2012 18:58:16

Calibrated Tentative Identified Compound Results

Compound	RT	Response	Amount ug/kg	Flags
Hexane	4.065	13461	3.53	

Tentative Identified Compound Results

RT	Response	Amount ug/kg	Quant Cpnd	Qual	Lib Entry	Flags
	Unknown					
3.767	1488121	83.3	1			
	556-67-2	Cyclotetrasiloxane, octamethyl-				
9.638	487261	22.8	2	91	97367	

Quantitation Compounds

Compound	RT	Response	Amount ug/kg
* 1 1,4-Difluorobenzene	5.714	893528	50.0
* 2 Chlorobenzene-d5	8.494	1068427	50.0

QC Flag Legend

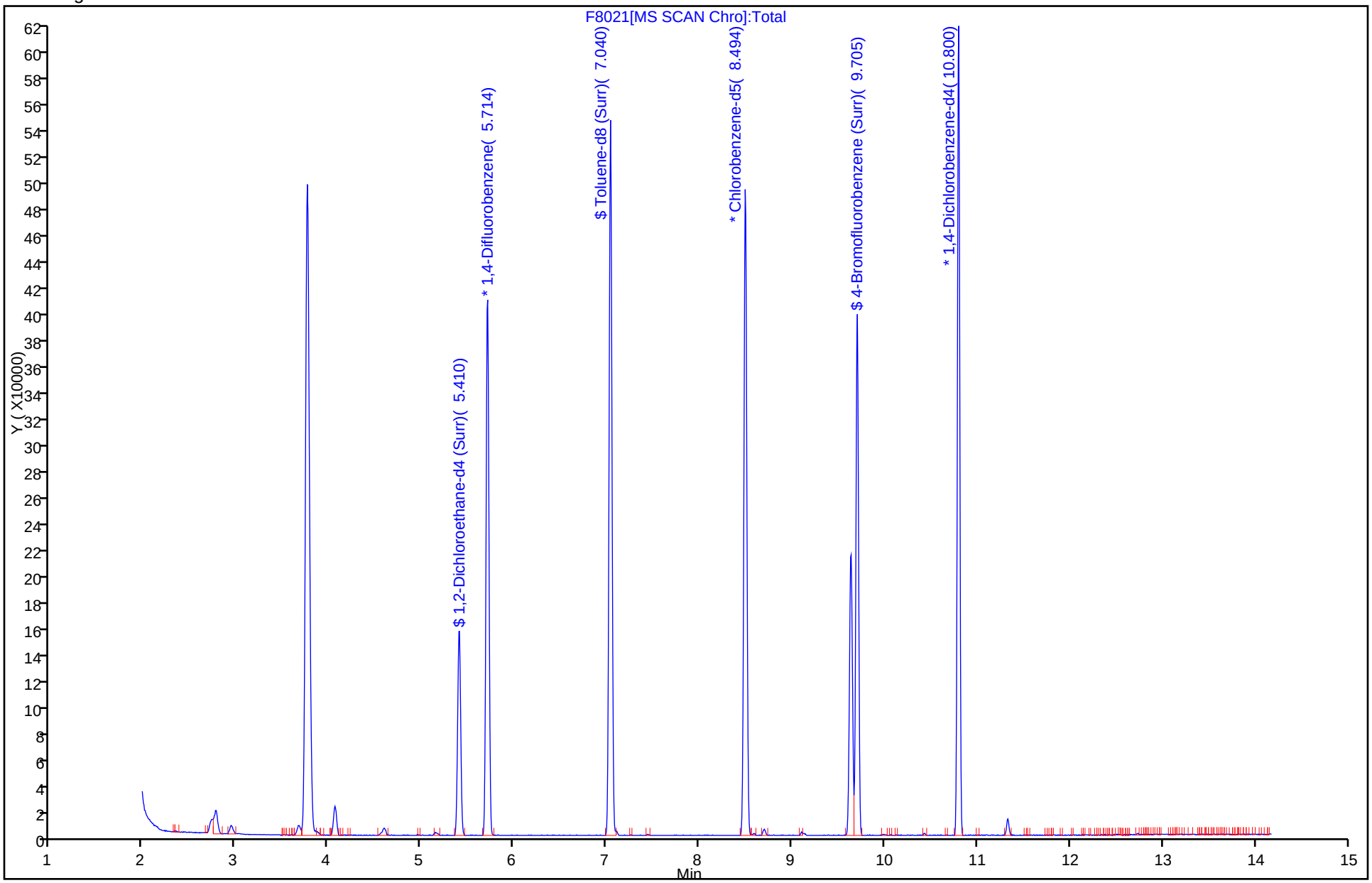
Processing Flags

Report Date: 18-Apr-2012 14:43:50 Chrom Revision: 2.0 20-Feb-2012 13:27:02

Data File: \\Bufchrom\ChromData\HP5973F\20120411-10889.b\F8021.D

Injection Date:	11-Apr-2012 13:09:30	Limit Group:	MV - 8260B ICAL
Client ID:	RB-02 (12-24")	Instrument ID:	HP5973F
Lims Batch ID:	59033	Lims Sample ID:	12
Operator ID:	jmb		
Column Type:	ZB-624	Column Dia:	0.25 mm

Y Scaling:

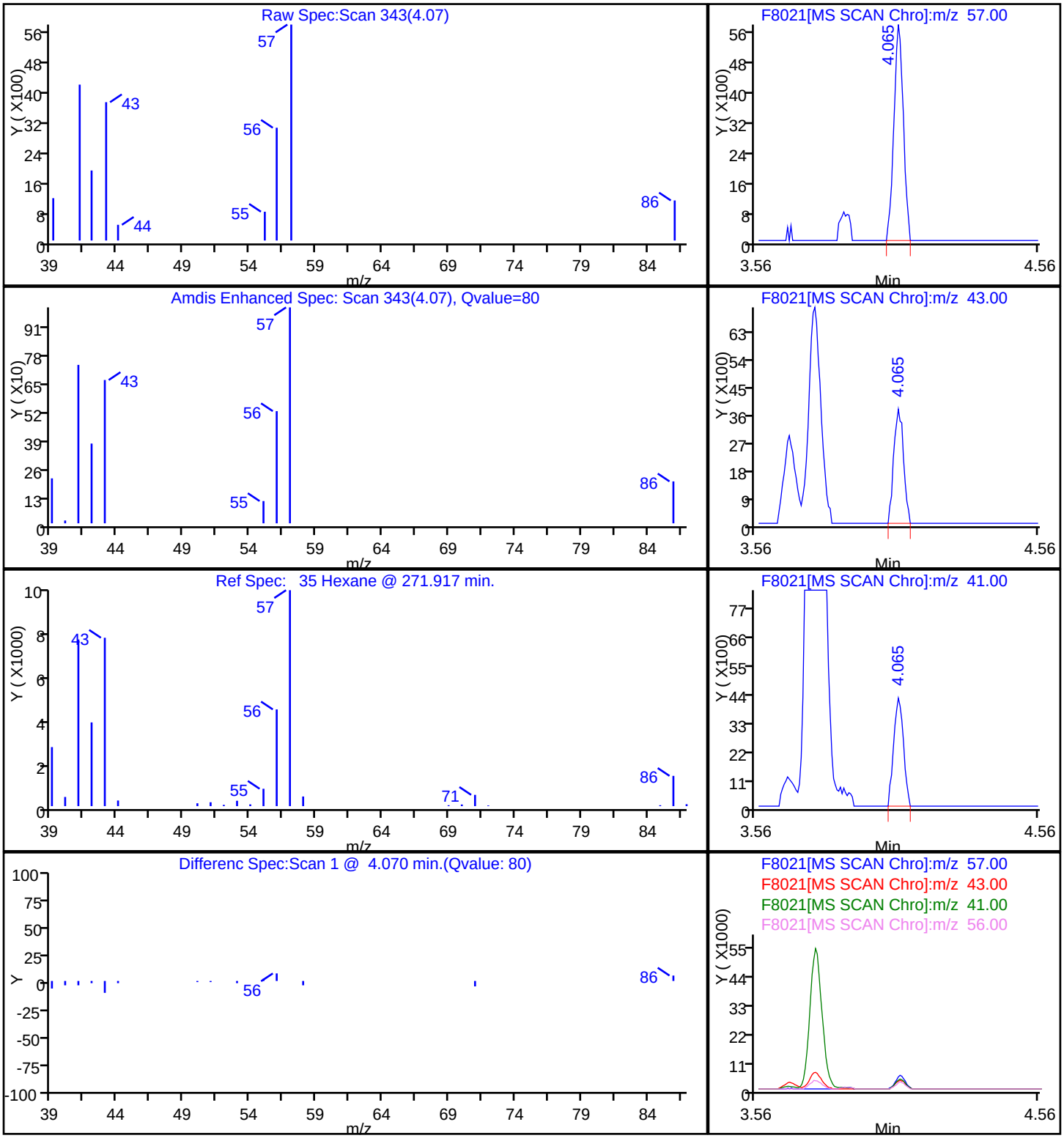


Report Date: 18-Apr-2012 14:43:50 Chrom Revision: 2.0 20-Feb-2012 13:27:02

Data File: \\Bufchrom\ChromData\HP5973F\20120411-10889.b\F8021.D

Injection Date:	11-Apr-2012 13:09:30	Limit Group:	MV - 8260B ICAL
Client ID:	RB-02 (12-24")	Instrument ID:	HP5973F
Lims Batch ID:	59033	Lims Sample ID:	12
Operator ID:	jmb		
Column Type:	ZB-624	Column Dia:	0.25 mm

35 Hexane

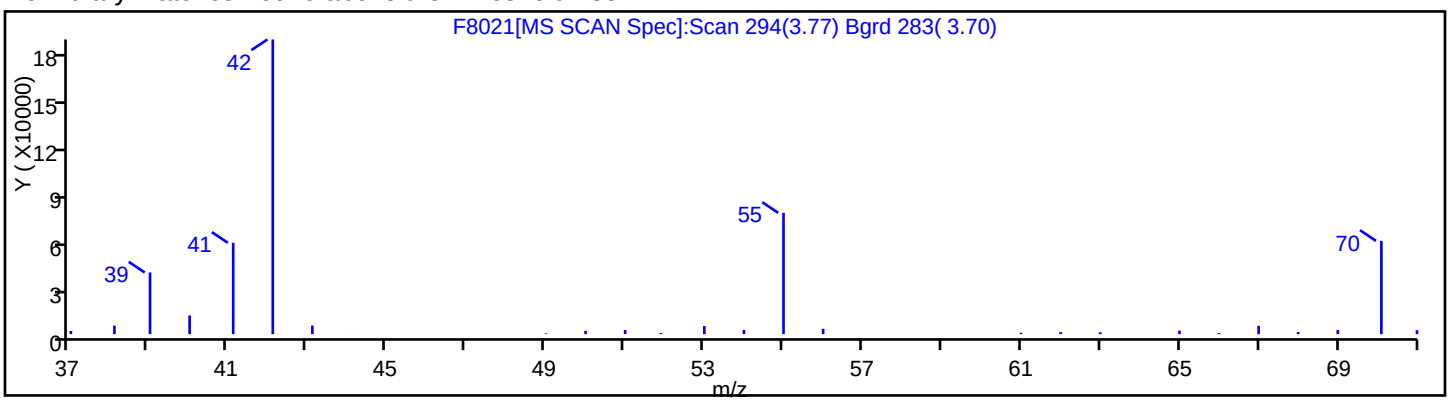


Report Date: 18-Apr-2012 14:43:50 Chrom Revision: 2.0 20-Feb-2012 13:27:02

Data File: \\Bufchrom\ChromData\HP5973F\20120411-10889.b\F8021.D

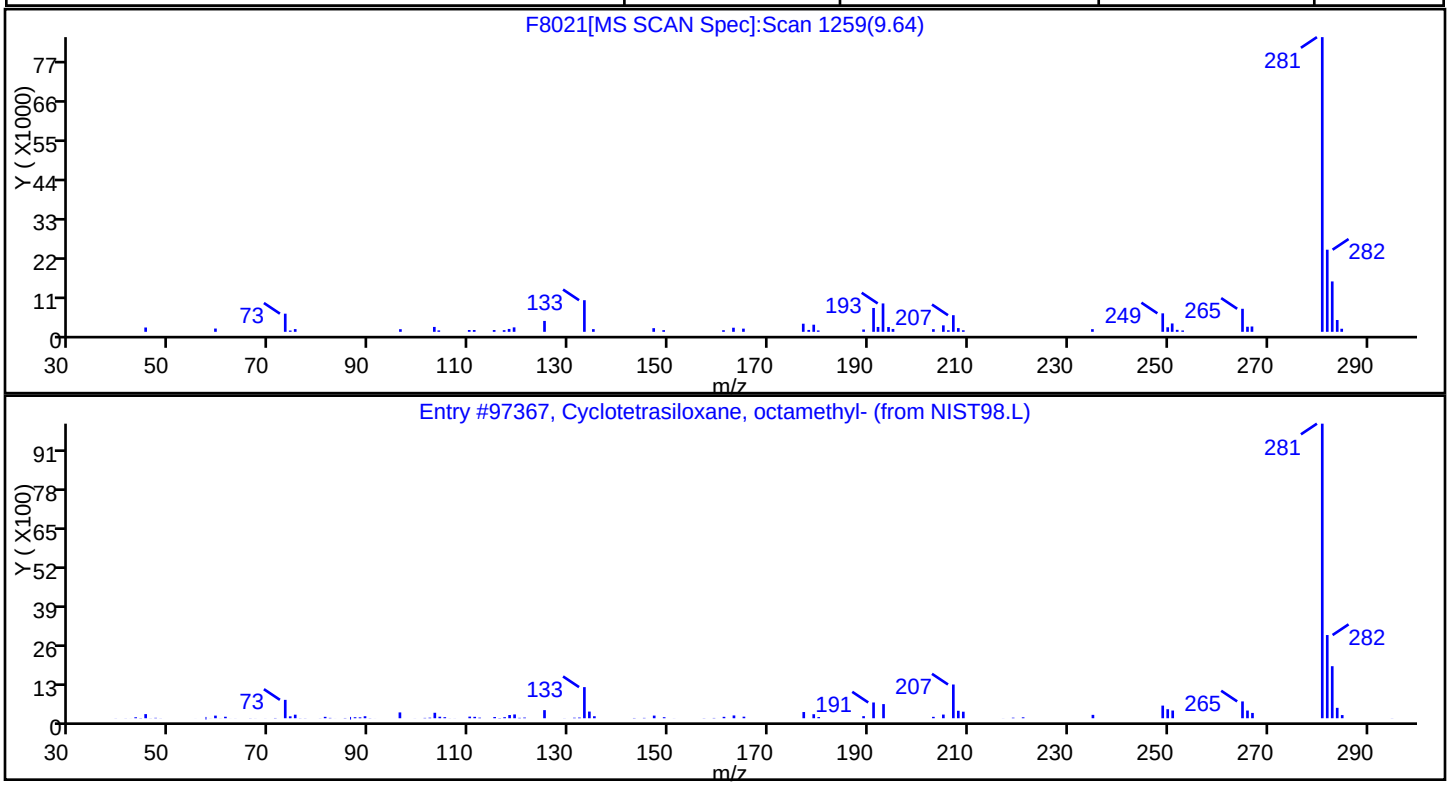
Injection Date:	11-Apr-2012 13:09:30	Limit Group:	MV - 8260B ICAL
Client ID:	RB-02 (12-24")	Instrument ID:	HP5973F
Lims Batch ID:	59033	Lims Sample ID:	12
Operator ID:	jmb		
Column Type:	ZB-624	Column Dia:	0.25 mm

No Library Matches Found above the Threshold: 85



Report Date: 18-Apr-2012 14:43:50 Chrom Revision: 2.0 20-Feb-2012 13:27:02
Data File: \\Bufchrom\ChromData\HP5973F\20120411-10889.b\F8021.D
Injection Date: 11-Apr-2012 13:09:30 Limit Group: MV - 8260B ICAL
Client ID: RB-02 (12-24") Instrument ID: HP5973F
Lims Batch ID: 59033 Lims Sample ID: 12
Operator ID: jmb
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.: 480-18292-1

SDG No.:

Client Sample ID: DUP-03 | Lab Sample ID: 480-18292-11

Matrix: Solid | Lab File ID: F8022.D

Analysis Method: 8260B | Date Collected: 04/05/2012 16:30

Sample wt/vol: 3.5(g) | Date Analyzed: 04/11/2012 13:35

Soil Aliquot Vol: | Dilution Factor: 1

Soil Extract Vol.: | GC Column: ZB-624 (60) ID: 0.25(mm)

% Moisture: 18.5 | Level: (low/med) Low

Analysis Batch No.: 59033 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
71-55-6	1,1,1-Trichloroethane	ND		8.8	0.64
79-34-5	1,1,2,2-Tetrachloroethane	ND		8.8	1.4
79-00-5	1,1,2-Trichloroethane	ND		8.8	1.1
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	ND		8.8	2.0
75-34-3	1,1-Dichloroethane	ND		8.8	1.1
75-35-4	1,1-Dichloroethene	ND		8.8	1.1
120-82-1	1,2,4-Trichlorobenzene	ND		8.8	0.53
96-12-8	1,2-Dibromo-3-Chloropropane	ND		8.8	4.4
106-93-4	1,2-Dibromoethane	ND		8.8	1.1
95-50-1	1,2-Dichlorobenzene	ND		8.8	0.69
107-06-2	1,2-Dichloroethane	ND		8.8	0.44
78-87-5	1,2-Dichloropropane	ND		8.8	4.4
541-73-1	1,3-Dichlorobenzene	ND		8.8	0.45
106-46-7	1,4-Dichlorobenzene	ND		8.8	1.2
591-78-6	2-Hexanone	ND		44	4.4
78-93-3	2-Butanone (MEK)	ND		44	3.2
108-10-1	4-Methyl-2-pentanone (MIBK)	ND		44	2.9
67-64-1	Acetone	ND		44	7.4
71-43-2	Benzene	ND		8.8	0.43
75-27-4	Bromodichloromethane	ND		8.8	1.2
75-25-2	Bromoform	ND		8.8	4.4
74-83-9	Bromomethane	ND		8.8	0.79
75-15-0	Carbon disulfide	ND		8.8	4.4
56-23-5	Carbon tetrachloride	ND		8.8	0.85
108-90-7	Chlorobenzene	ND		8.8	1.2
124-48-1	Dibromochloromethane	ND		8.8	1.1
75-00-3	Chloroethane	ND		8.8	2.0
67-66-3	Chloroform	ND		8.8	0.54
74-87-3	Chloromethane	ND		8.8	0.53
156-59-2	cis-1,2-Dichloroethene	ND		8.8	1.1
10061-01-5	cis-1,3-Dichloropropene	ND		8.8	1.3
110-82-7	Cyclohexane	ND		8.8	1.2
75-71-8	Dichlorodifluoromethane	ND		8.8	0.72
100-41-4	Ethylbenzene	ND		8.8	0.60
98-82-8	Isopropylbenzene	ND		8.8	1.3

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Buffalo | Job No.: 480-18292-1

SDG No.:

Client Sample ID: DUP-03 | Lab Sample ID: 480-18292-11

Matrix: Solid | Lab File ID: F8022.D

Analysis Method: 8260B | Date Collected: 04/05/2012 16:30

Sample wt/vol: 3.5(g) | Date Analyzed: 04/11/2012 13:35

Soil Aliquot Vol: | Dilution Factor: 1

Soil Extract Vol.: | GC Column: ZB-624 (60) ID: 0.25(mm)

% Moisture: 18.5 | Level: (low/med) Low

Analysis Batch No.: 59033 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
79-20-9	Methyl acetate	ND		8.8	1.6
1634-04-4	Methyl tert-butyl ether	ND		8.8	0.86
108-87-2	Methylcyclohexane	ND		8.8	1.3
75-09-2	Methylene Chloride	ND		8.8	4.0
100-42-5	Styrene	ND		8.8	0.44
127-18-4	Tetrachloroethene	ND		8.8	1.2
108-88-3	Toluene	ND		8.8	0.66
156-60-5	trans-1,2-Dichloroethene	ND		8.8	0.90
10061-02-6	trans-1,3-Dichloropropene	ND		8.8	3.9
79-01-6	Trichloroethene	ND		8.8	1.9
75-69-4	Trichlorofluoromethane	ND		8.8	0.83
75-01-4	Vinyl chloride	ND		8.8	1.1
1330-20-7	Xylenes, Total	ND		18	1.5

CAS NO.	SURROGATE	%REC	Q	LIMITS
17060-07-0	1,2-Dichloroethane-d4 (Surr)	98		64-126
2037-26-5	Toluene-d8 (Surr)	110		71-125
460-00-4	4-Bromofluorobenzene (Surr)	108		72-126

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

Lab Name: TestAmerica Buffalo | Job No.: 480-18292-1

SDG No.:

Client Sample ID: DUP-03 | Lab Sample ID: 480-18292-11

Matrix: Solid | Lab File ID: F8022.D

Analysis Method: 8260B | Date Collected: 04/05/2012 16:30

Sample wt/vol: 3.5(g) | Date Analyzed: 04/11/2012 13:35

Soil Aliquot Vol: | Dilution Factor: 1

Soil Extract Vol.: | GC Column: ZB-624 (60) ID: 0.25(mm)

% Moisture: 18.5 | Level: (low/med) Low

Analysis Batch No.: 59033 | Units: ug/Kg

Number TICs Found: 2 | TIC Result Total: 161

CAS NO.	COMPOUND NAME	RT	RESULT	Q
287-92-3	Cyclopentane	3.77	130	T J N
556-67-2	Cyclotetrasiloxane, octamethyl-	9.64	31	T J N

TestAmerica Laboratories
Target Compound Quantitation Report

Data File:	\\Bufchrom\ChromData\HP5973F\20120411-10889.b\F8022.D		
Lims ID:	480-18292-G-11-A	Client ID:	DUP-03
Inject. Date:	11-Apr-2012 13:35:30	Dil. Factor:	1.0000
Sample Type:	Client		
Sample ID:	480-18292-G-11-A		
Misc. Info.:	480-0010889-013 =480-0010889-013		
Operator:	jmb	Instrument ID:	HP5973F
Vol. Injected:	1.0000	ALS Bottle#:	12
Lims Batch ID:	59033	Lims Sample ID:	13
Detector:	MS SCAN		
Method:	\\Bufchrom\ChromData\HP5973F\20120411-10889.b\F-8260 SOIL.m		
Last Update:	18-Apr-2012 13:21:54	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:	11-Apr-2012 18:58:33

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	430107	50.0	
* 2 Chlorobenzene-d5	82	8.494	8.494	0.0	80	173210	50.0	
* 3 1,4-Dichlorobenzene-d4	152	10.800	10.800	0.0	92	198534	50.0	
$ 4 1,2-Dichloroethane-d4 (Surr)	67	5.410	5.404	0.006	99	63836	48.8	
$ 5 Toluene-d8 (Surr)	98	7.040	7.040	0.0	92	448634	54.8	
$ 6 4-Bromofluorobenzene (Surr)	174	9.705	9.705	0.0	91	147596	54.2	
10 Dichlorodifluoromethane	85		2.058					
12 Chloromethane	50		2.210					
13 Vinyl chloride	62		2.325					
14 Bromomethane	94		2.630					
15 Chloroethane	64		2.709					
17 Trichlorofluoromethane	101		2.928					
21 1,1,2-Trichloro-1,2,2-trifluoroe	101		3.311					
22 1,1-Dichloroethene	96		3.335					
23 Acetone	43		3.384					
26 Carbon disulfide	76		3.560					
27 Methyl acetate	43		3.609					
30 Methylene Chloride	84		3.737					
32 Methyl tert-butyl ether	73		3.895					
34 trans-1,2-Dichloroethene	96		3.925					
39 1,1-Dichloroethane	63		4.266					
43 2-Butanone (MEK)	43		4.716					
45 cis-1,2-Dichloroethene	96		4.728					
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		7.636					
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		8.585					
90 m-Xylene & p-Xylene	106		8.701					
91 o-Xylene	106		9.139					
92 Styrene	104		9.157					
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		30.000					7

QC Flag Legend

Processing Flags
7 - Failed Limit of Detection

TestAmerica Laboratories
Tentatively Identified Quantitation Report

Data File:	\\Bufchrom\ChromData\HP5973F\20120411-10889.b\F8022.D		
Lims ID:	480-18292-G-11-A	Client ID:	DUP-03
Inject. Date:	11-Apr-2012 13:35:30	Dil. Factor:	1.0000
Sample Type:	Client		
Sample ID:	480-18292-G-11-A		
Misc. Info.:	480-0010889-013 =480-0010889-013		
Operator:	jmb	Instrument ID:	HP5973F
Vol. Injected:	1.0000	ALS Bottle#:	12
Lims Batch ID:	59033	Lims Sample ID:	13
Detector:	MS SCAN		
Method:	\\Bufchrom\ChromData\HP5973F\20120411-10889.b\F-8260 SOIL.m		
Last Update:	18-Apr-2012 13:21:54	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:	11-Apr-2012 18:58:33

Calibrated Tentative Identified Compound Results

Compound	RT	Response	Amount ug/kg	Flags
Hexane	4.065	9936	2.64	

Tentative Identified Compound Results

RT	Response	Amount ug/kg	Quant Cpnd	Qual	Lib Entry	Flags
287-92-3 Cyclopentane						
3.773	1330600	75.8	1	87	109034	
556-67-2 Cyclotetrasiloxane, octamethyl-						
9.638	361200	17.6	2	91	97367	

Quantitation Compounds

Compound	RT	Response	Amount ug/kg
* 1 1,4-Difluorobenzene	5.714	877473	50.0
* 2 Chlorobenzene-d5	8.494	1028134	50.0

QC Flag Legend

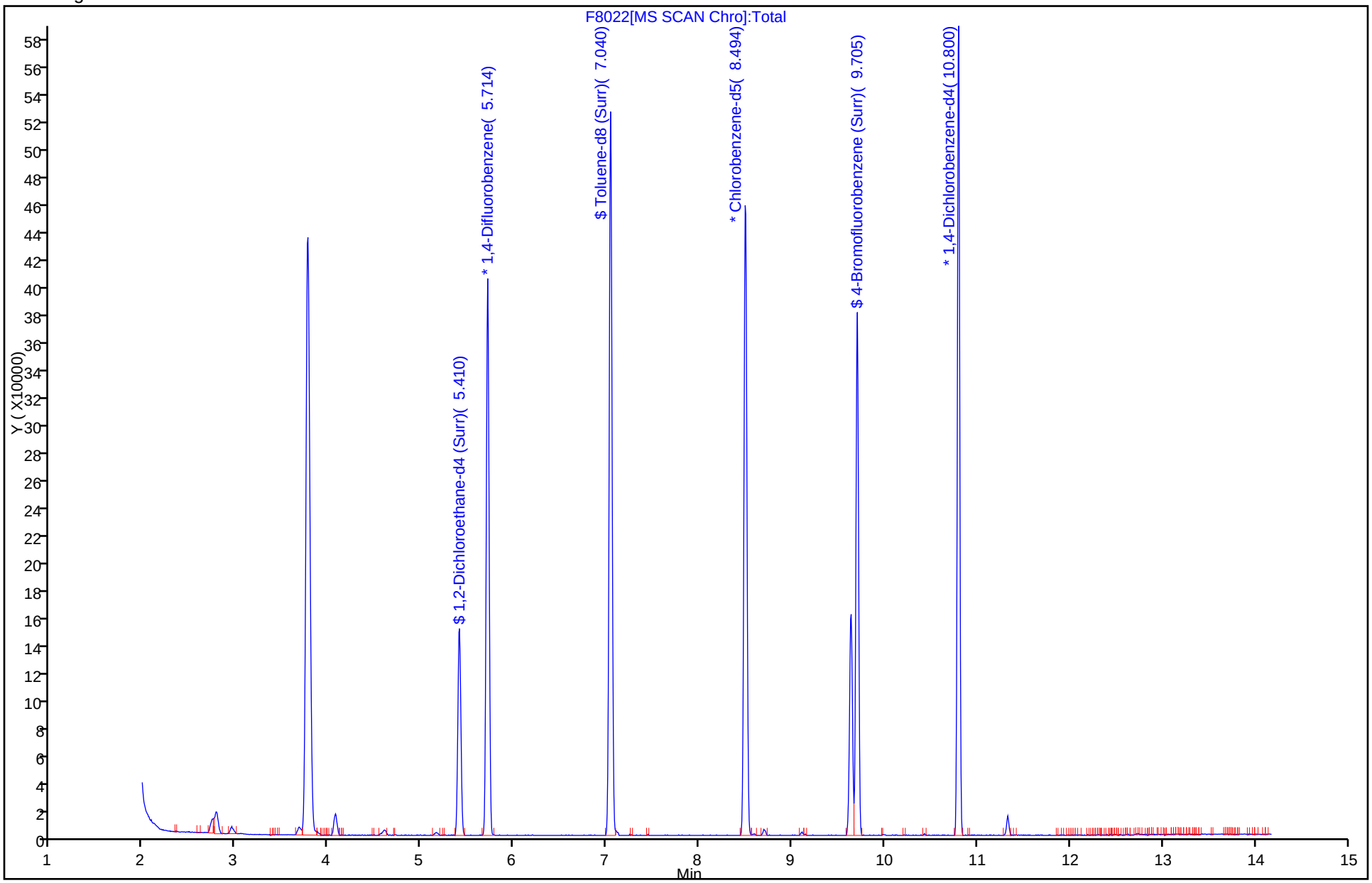
Processing Flags

Report Date: 18-Apr-2012 14:43:51 Chrom Revision: 2.0 20-Feb-2012 13:27:02

Data File: \\Bufchrom\ChromData\HP5973F\20120411-10889.b\F8022.D

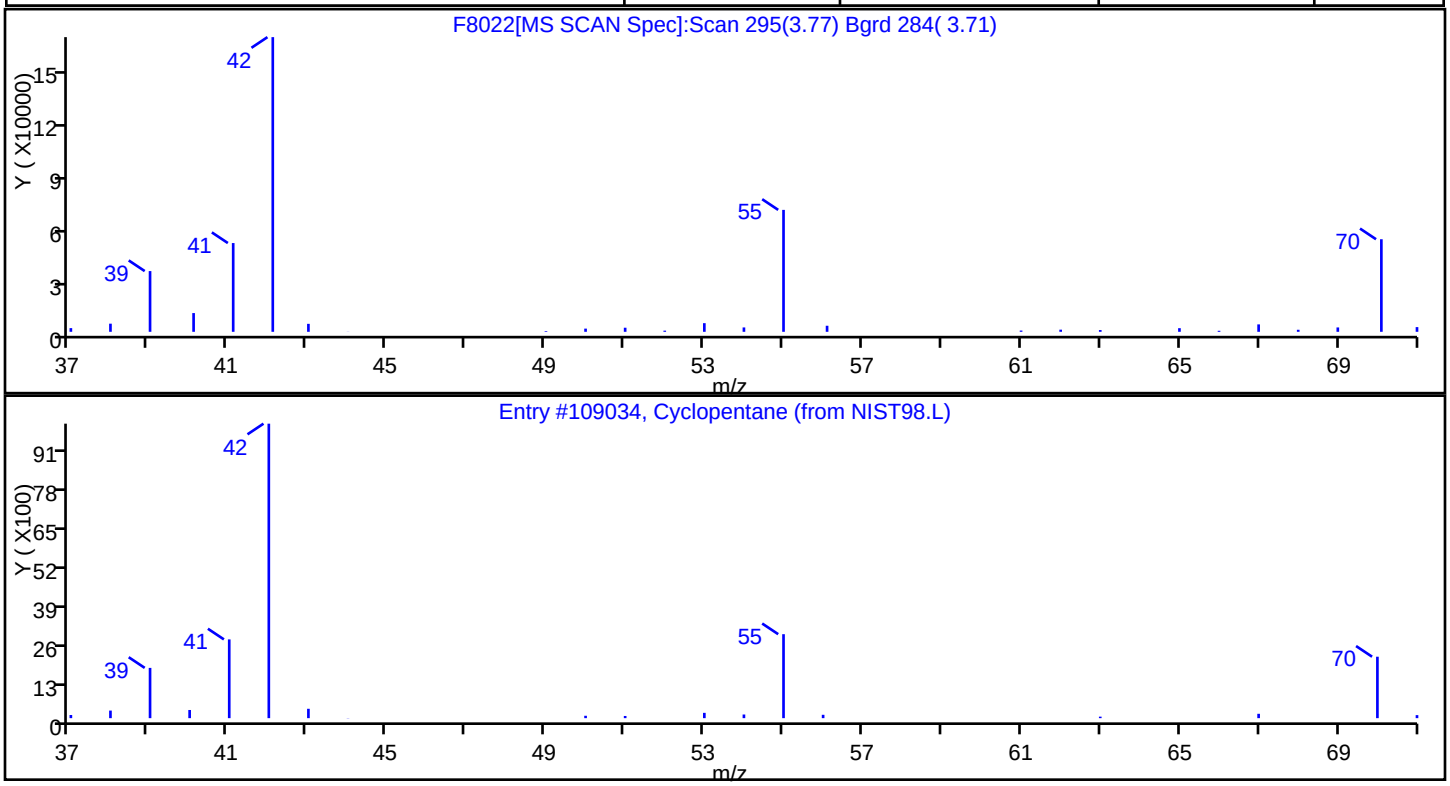
Injection Date:	11-Apr-2012 13:35:30	Limit Group:	MV - 8260B ICAL
Client ID:	DUP-03	Instrument ID:	HP5973F
Lims Batch ID:	59033	Lims Sample ID:	13
Operator ID:	jmb		
Column Type:	ZB-624	Column Dia:	0.25 mm

Y Scaling:



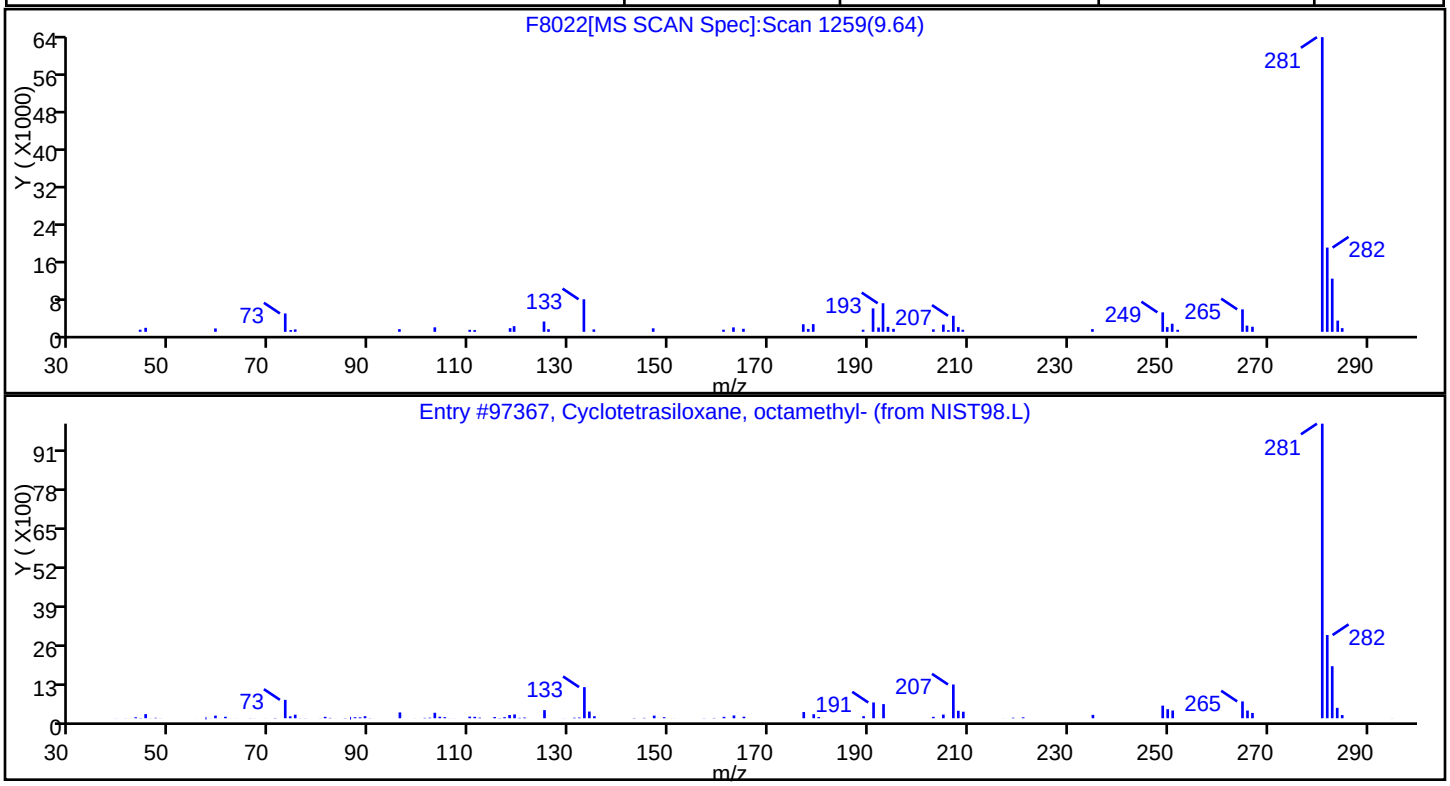
Report Date: 18-Apr-2012 14:43:51 Chrom Revision: 2.0 20-Feb-2012 13:27:02
Data File: \\Bufchrom\ChromData\HP5973F\20120411-10889.b\F8022.D
Injection Date: 11-Apr-2012 13:35:30 Limit Group: MV - 8260B ICAL
Client ID: DUP-03 Instrument ID: HP5973F
Lims Batch ID: 59033 Lims Sample ID: 13
Operator ID: jmb
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	87



Report Date: 18-Apr-2012 14:43:51 Chrom Revision: 2.0 20-Feb-2012 13:27:02
Data File: \\Bufchrom\ChromData\HP5973F\20120411-10889.b\F8022.D
Injection Date: 11-Apr-2012 13:35:30 Limit Group: MV - 8260B ICAL
Client ID: DUP-03 Instrument ID: HP5973F
Lims Batch ID: 59033 Lims Sample ID: 13
Operator ID: jmb
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.: 480-18292-1

SDG No.:

Client Sample ID: TRIP BLANK | Lab Sample ID: 480-18292-12

Matrix: Water | Lab File ID: G11036.D

Analysis Method: 8260B | Date Collected: 04/05/2012 00:00

Sample wt/vol: 5(mL) | Date Analyzed: 04/13/2012 16:09

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.: 59441 | 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.: 480-18292-1

SDG No.:

Client Sample ID: TRIP BLANK | Lab Sample ID: 480-18292-12

Matrix: Water | Lab File ID: G11036.D

Analysis Method: 8260B | Date Collected: 04/05/2012 00:00

Sample wt/vol: 5(mL) | Date Analyzed: 04/13/2012 16:09

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.: 59441 | 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)	120		66-137
2037-26-5	Toluene-d8 (Surr)	99		71-126
460-00-4	4-Bromofluorobenzene (Surr)	106		73-120

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

Lab Name: TestAmerica Buffalo | Job No.: 480-18292-1

SDG No.:

Client Sample ID: TRIP BLANK | Lab Sample ID: 480-18292-12

Matrix: Water | Lab File ID: G11036.D

Analysis Method: 8260B | Date Collected: 04/05/2012 00:00

Sample wt/vol: 5(mL) | Date Analyzed: 04/13/2012 16:09

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.: 59441 | 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\20120413-10963.b\G11036.D		
Lims ID:	480-18292-A-12	Client ID:	TRIP BLANK
Inject. Date:	13-Apr-2012 16:09:30	Dil. Factor:	1.0000
Sample Type:	Client		
Sample ID:	480-18292-A-12		
Misc. Info.:	480-0010963-019 =480-0010963-019		
Operator:	DHC	Instrument ID:	HP5973G
Vol. Injected:	1.0000	ALS Bottle#:	16
Lims Batch ID:	59441	Lims Sample ID:	19
Detector:	MS SCAN		
Method:	\\Bufchrom\ChromData\HP5973G\20120413-10963.b\G-8260.m		
Last Update:	16-Apr-2012 12:38:48	Calib Date:	10-Apr-2012 01:42:30
Quant Method:	Internal Standard	Quant By:	Initial Calibration
Last ICal File:	\\Bufchrom\ChromData\HP5973G\20120409-10850.b\G10850.D		
Limit Group:	MV - 8260B ICAL		
Integrator:	RTE	ID Type:	Deconvolution ID
Process Host:	CORP-CTX-19		
First Level Reviewer: larsonr		Date:	13-Apr-2012 23:00:29

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	456780	25.0	
* 2 Chlorobenzene-d5	82	8.221	8.215	0.006	87	228480	25.0	
* 3 1,4-Dichlorobenzene-d4	152	10.629	10.630	-0.001	98	215150	25.0	
$ 4 1,2-Dichloroethane-d4 (Surr)	67	4.978	4.972	0.006	0	100808	30.0	
$ 5 Toluene-d8 (Surr)	98	6.740	6.740	0.0	94	620127	24.8	
$ 6 4-Bromofluorobenzene (Surr)	174	9.477	9.477	0.0	82	165922	26.6	
10 Dichlorodifluoromethane	85		1.241					
12 Chloromethane	50		1.375					
13 Vinyl chloride	62		1.479					
14 Bromomethane	94		1.747					
15 Chloroethane	64		1.857					
17 Trichlorofluoromethane	101		2.094					
21 1,1,2-Trichloro-1,2,2-trifluoroe	101		2.552					
20 1,1-Dichloroethene	96		2.552					
22 Acetone	43		2.649					
24 Carbon disulfide	76		2.765					
28 Methyl acetate	43		2.936					
29 Methylene Chloride	84		3.082					
31 Methyl tert-butyl ether	73		3.234					
32 trans-1,2-Dichloroethene	96		3.241					
36 1,1-Dichloroethane	63		3.655					
43 cis-1,2-Dichloroethene	96		4.198					
44 2-Butanone (MEK)	43		4.253					
50 Chloroform	85		4.515					
52 Cyclohexane	56		4.618					
51 1,1,1-Trichloroethane	97		4.618					
53 Carbon tetrachloride	117		4.752					
56 Benzene	78		4.972					
57 1,2-Dichloroethane	62		5.045					
61 Trichloroethene	95		5.575					
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		7.679					
84 Ethylene Dibromide	107		7.776					
86 Chlorobenzene	112		8.252					
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

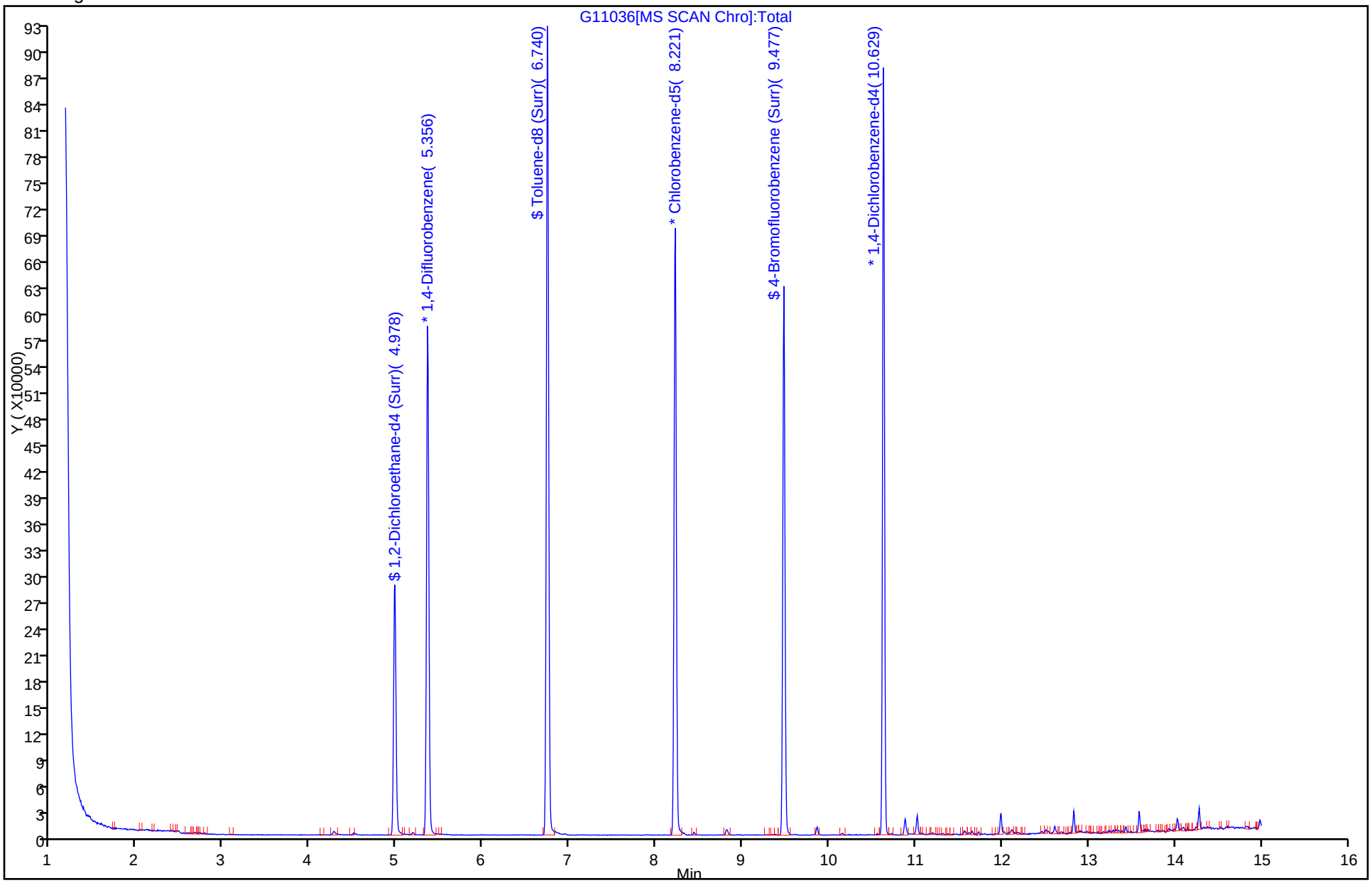
Processing Flags
7 - Failed Limit of Detection

Report Date: 18-Apr-2012 13:25:06 Chrom Revision: 2.0 20-Feb-2012 13:27:02

Data File: \\Bufchrom\ChromData\HP5973G\20120413-10963.b\G11036.D

Injection Date:	13-Apr-2012 16:09:30	Limit Group:	MV - 8260B ICAL
Client ID:	TRIP BLANK	Instrument ID:	HP5973G
Lims Batch ID:	59441	Lims Sample ID:	19
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.: 480-18292-1 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.: 480-18292-1 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.: 480-18292-1 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-Xylene & 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.: 480-18292-1 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.: 480-18292-1 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.: 480-18292-1 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.: 480-18292-1 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

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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-Xylene & 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

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Lab Name: TestAmerica Buffalo Job No.: 480-18292-1 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

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Lab Name: TestAmerica Buffalo Job No.: 480-18292-1 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	

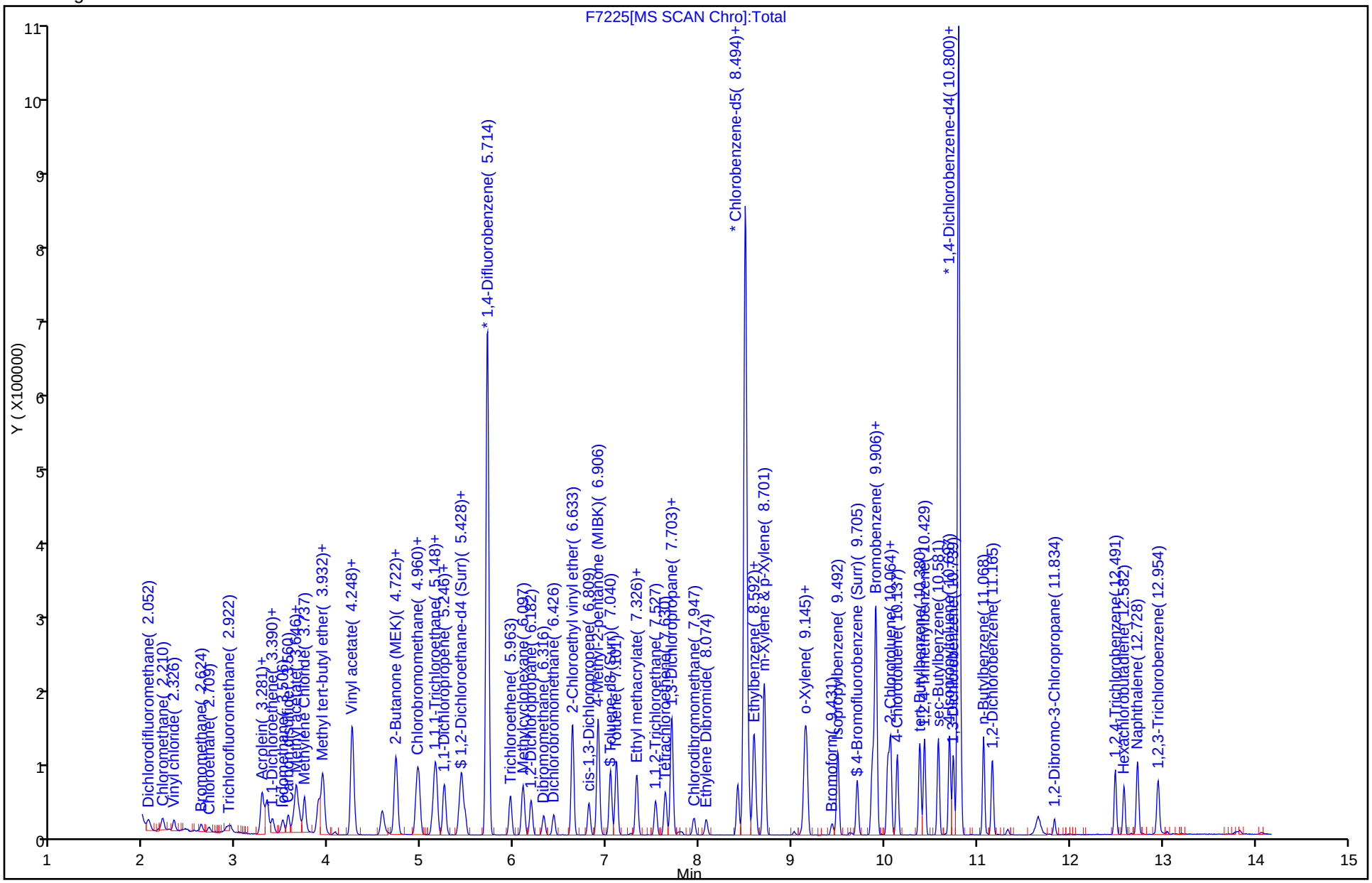
Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/kg	Flags
121 Naphthalene	128	12.728	12.728	0.0	93	101127	5.72	
122 1,2,3-Trichlorobenzene	180	12.954	12.954	0.0	83	29984	5.49	
S 123 Total BTEX	1				0		31.3	
S 124 Xylenes, Total	1				0		15.6	
S 125 1,2-Dichloroethene, Total	1				0		10.5	
S 126 1,3-Dichloropropene, 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	

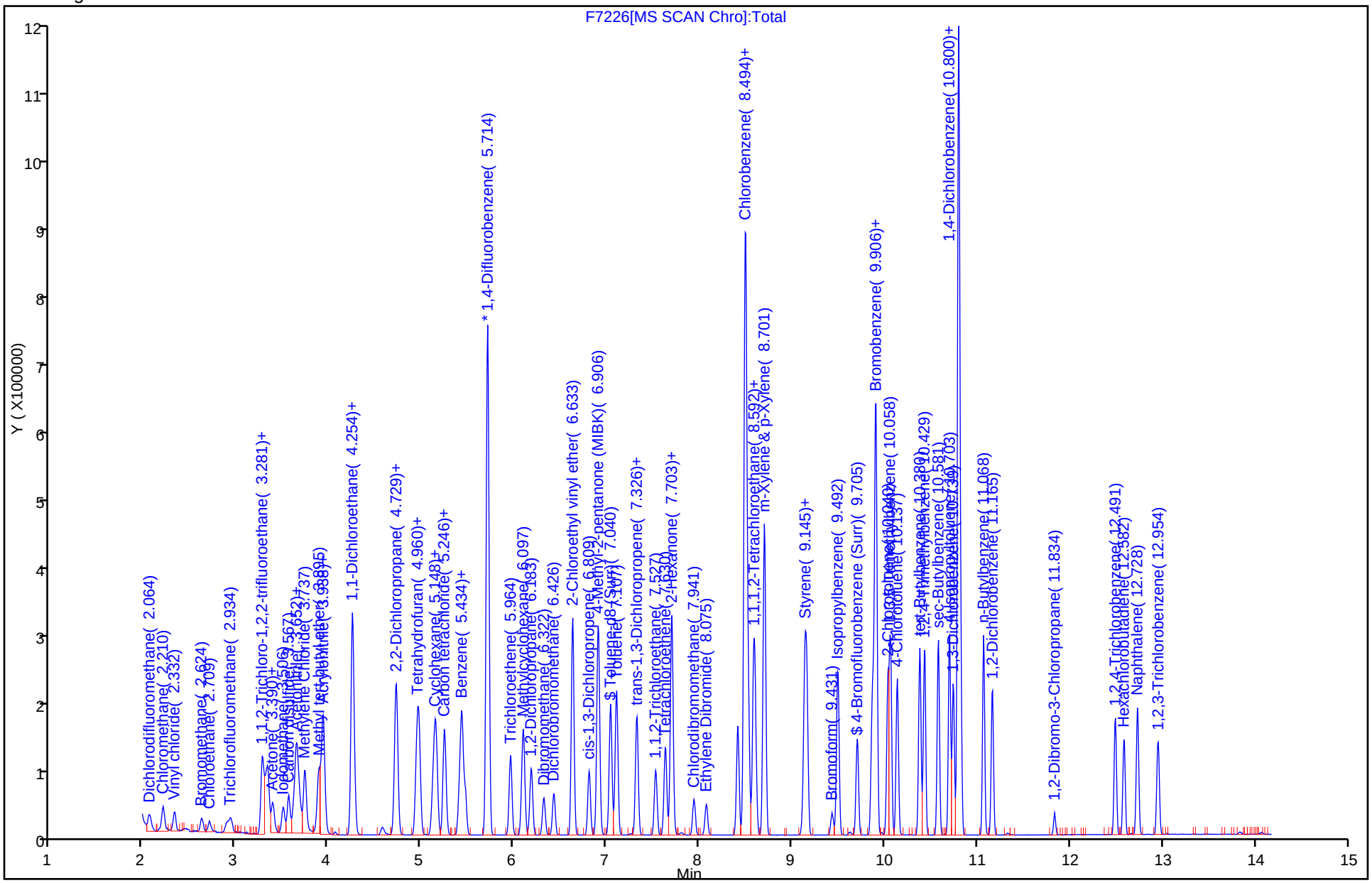
Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/kg	Flags
121 Naphthalene	128	12.728	12.728	0.0	95	178643	9.79	
122 1,2,3-Trichlorobenzene	180	12.954	12.954	0.0	93	56479	10.0	
S 123 Total BTEX	1				0		63.0	
S 124 Xylenes, Total	1				0		31.6	
S 125 1,2-Dichloroethene, Total	1				0		20.4	
S 126 1,3-Dichloropropene, 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	

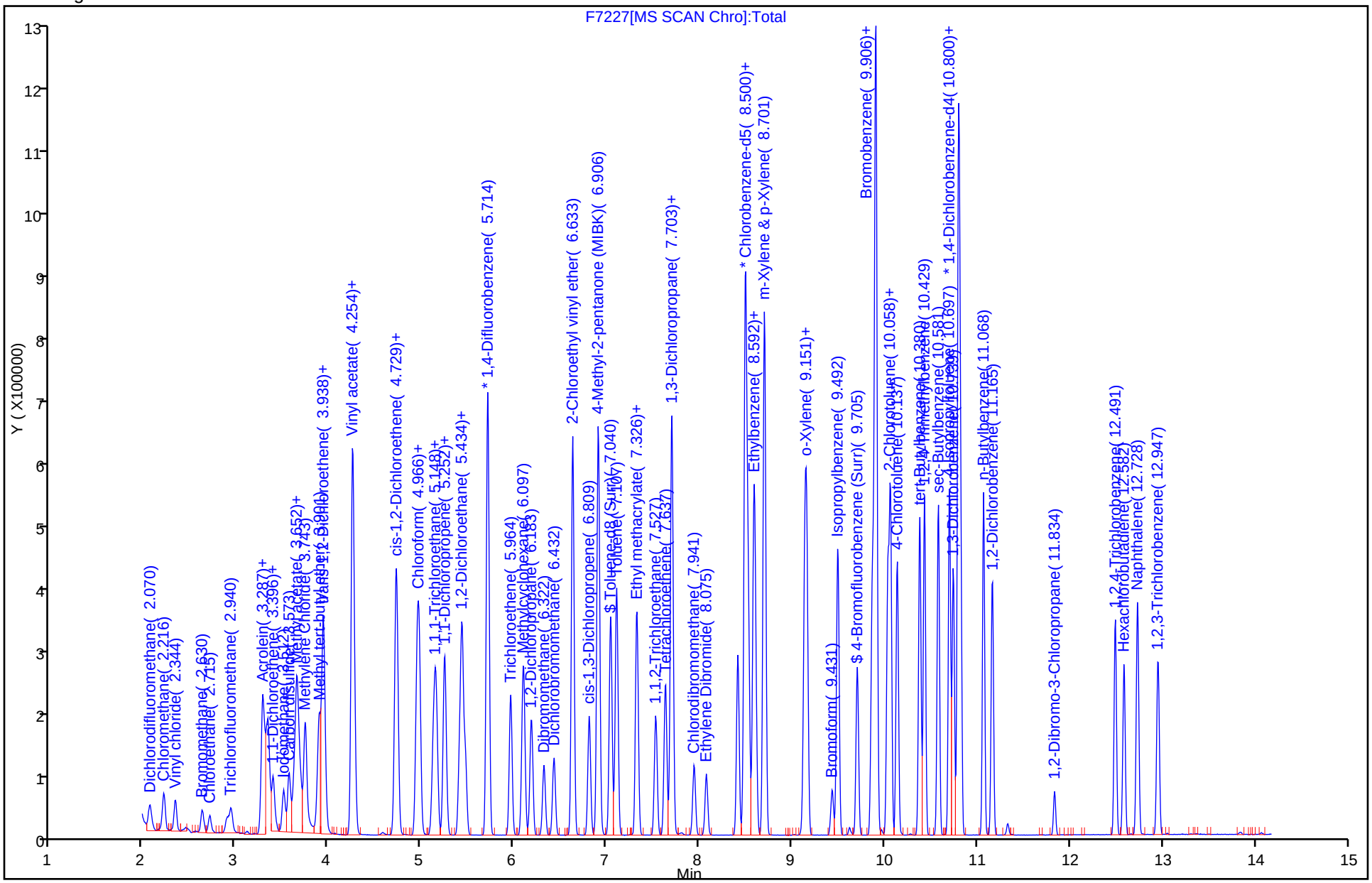
Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/kg	Flags
121 Naphthalene	128	12.728	12.728	0.0	96	382007	20.3	
122 1,2,3-Trichlorobenzene	180	12.954	12.954	0.0	95	119114	20.5	
S 123 Total BTEX	1				0		122.7	
S 124 Xylenes, Total	1				0		61.3	
S 125 1,2-Dichloroethene, Total	1				0		40.6	
S 126 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	

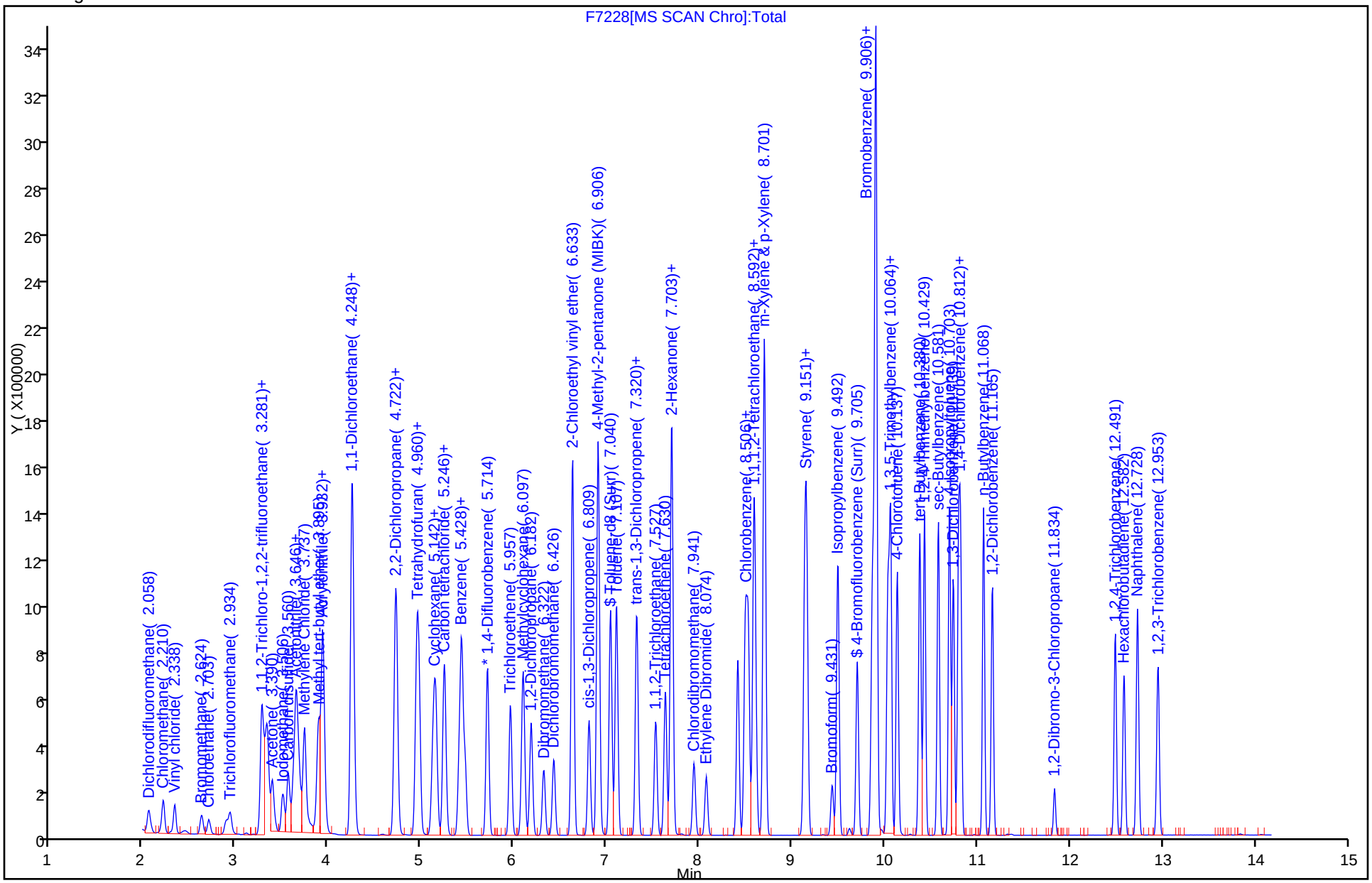
Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/kg	Flags
121 Naphthalene	128	12.728	12.728	0.0	96	975013	49.6	
122 1,2,3-Trichlorobenzene	180	12.953	12.953	0.0	96	297943	49.1	
S 123 Total BTEX	1				0		301.0	
S 124 Xylenes, Total	1				0		150.5	
S 125 1,2-Dichloroethene, Total	1				0		100.4	
S 126 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	

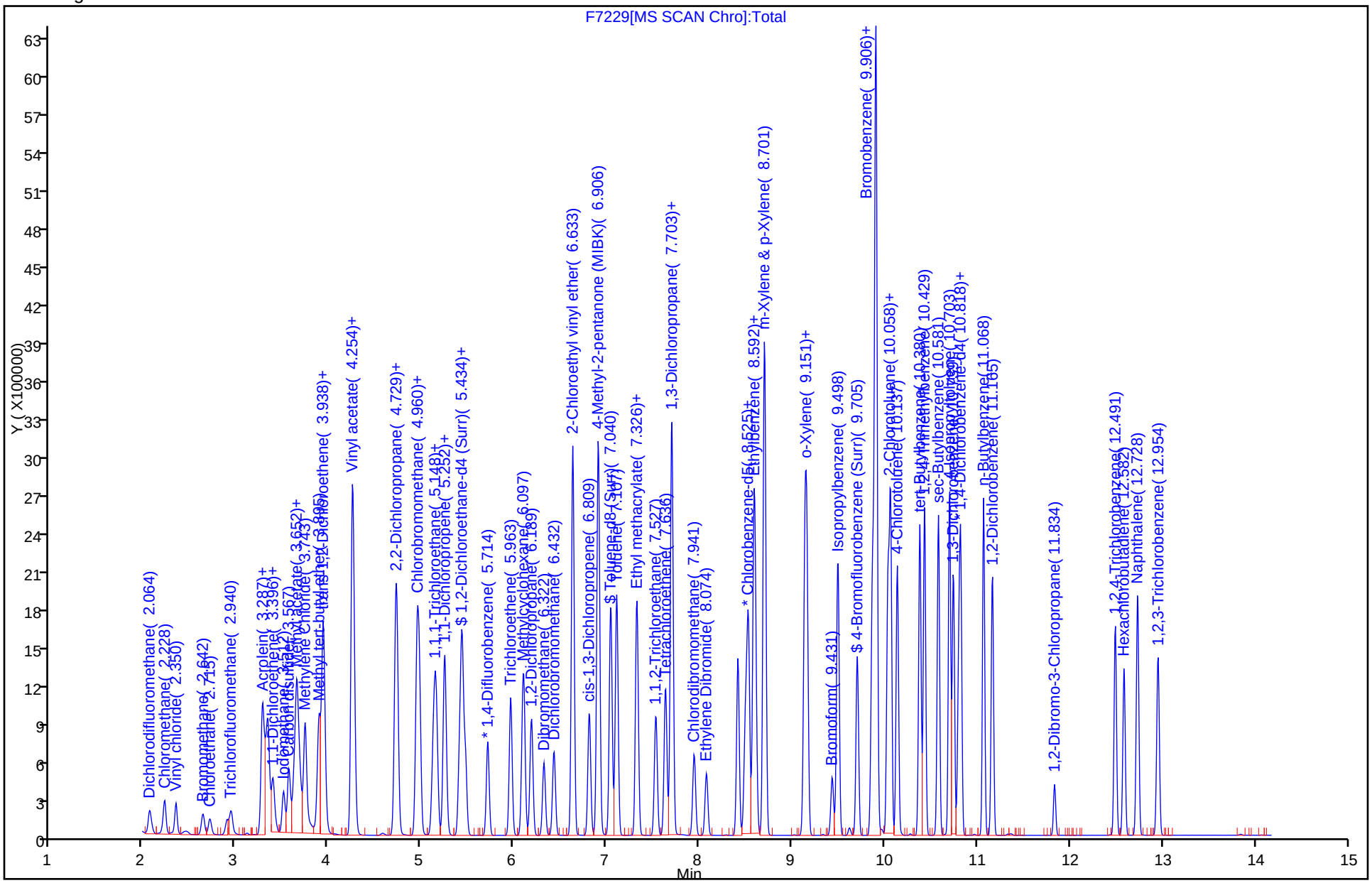
Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/kg	Flags
121 Naphthalene	128	12.728	12.728	0.0	97	1928086	96.2	
122 1,2,3-Trichlorobenzene	180	12.954	12.953	0.001	95	590535	95.4	
S 123 Total BTEX	1				0		570.6	
S 124 Xylenes, Total	1				0		285.3	
S 125 1,2-Dichloroethene, Total	1				0		191.5	
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	

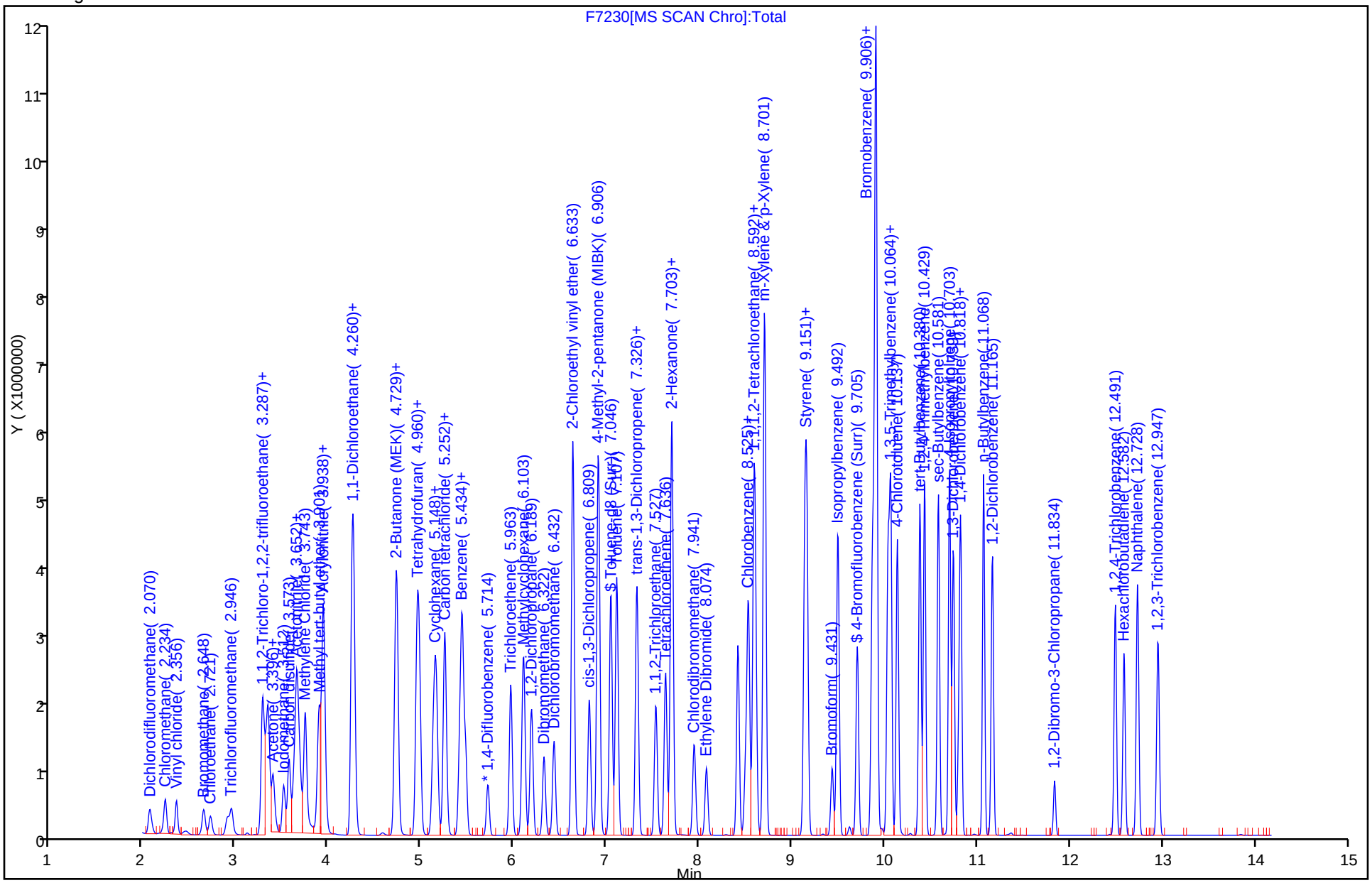
Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/kg	Flags
121 Naphthalene	128	12.728	12.728	0.0	97	3685545	182.1	
122 1,2,3-Trichlorobenzene	180	12.954	12.953	0.001	95	1172032	187.6	
S 123 Total BTEX	1				0		1113.3	
S 124 Xylenes, Total	1				0		557.7	
S 125 1,2-Dichloroethene, Total	1				0		380.8	
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.: 480-18292-1 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.: 480-18292-1 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.: 480-18292-1 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.: 480-18292-1 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	

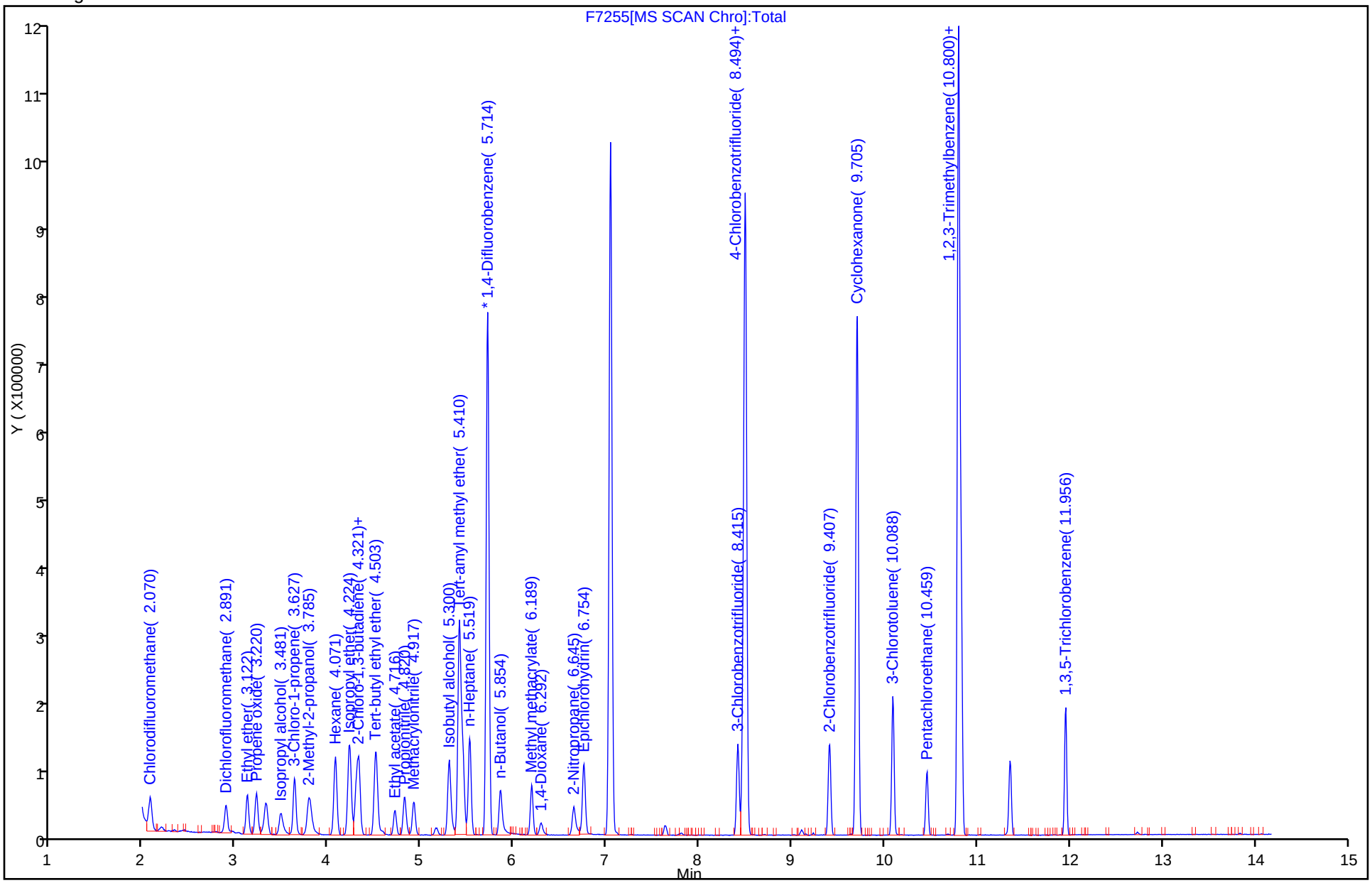
Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/kg	Flags
104 3-Chlorotoluene	126	10.088	10.088	0.0	94	53903	10.1	
108 Pentachloroethane	167	10.453	10.459	-0.006	68	16207	9.45	
114 Dicyclopentadiene	66	10.812	10.812	0.0	87	175675	10.2	
112 1,2,3-Trimethylbenzene	105	10.830	10.830	0.0	73	164829	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	

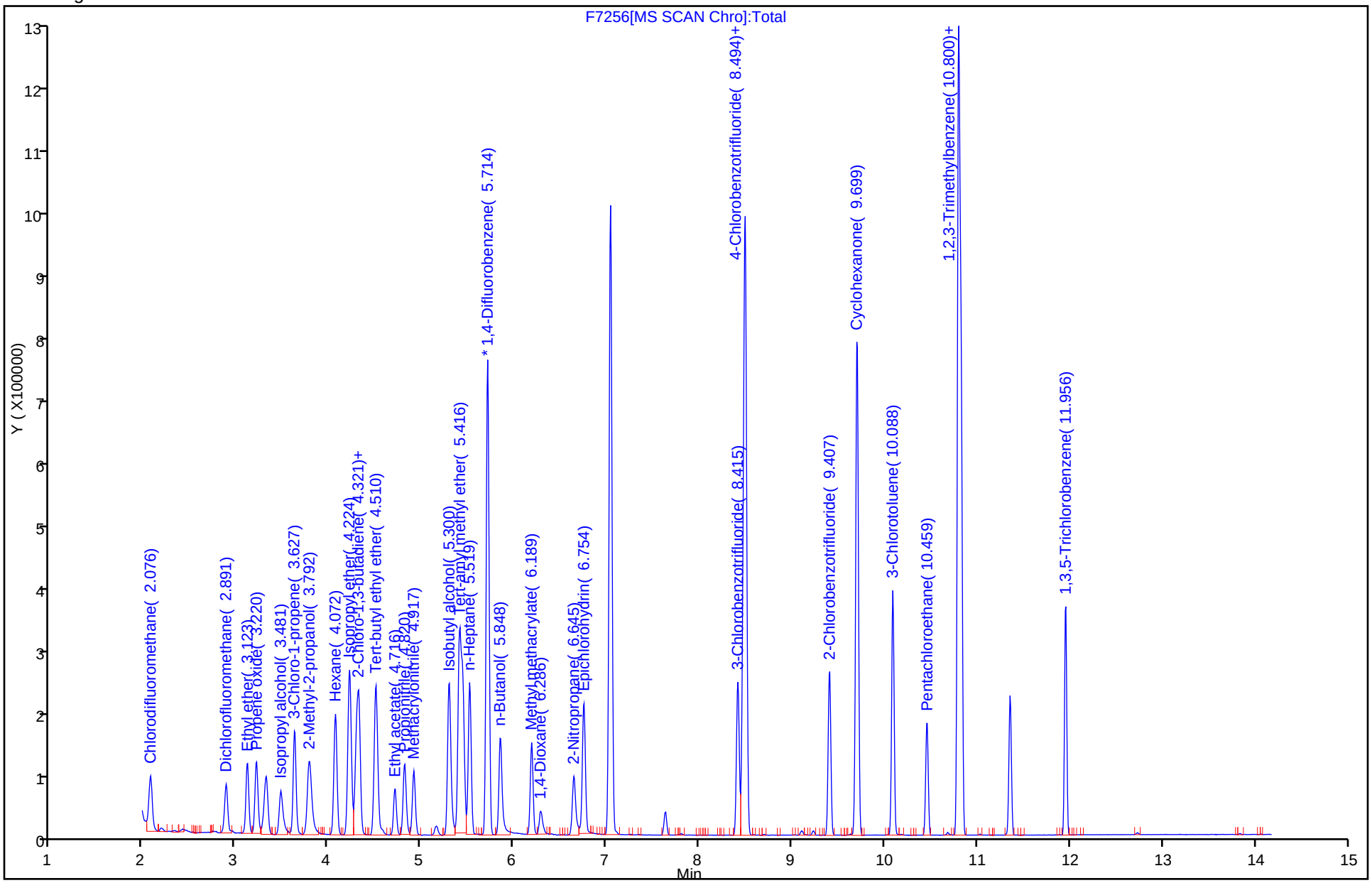
Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/kg	Flags
104 3-Chlorotoluene	126	10.088	10.088	0.0	95	103996	19.2	
108 Pentachloroethane	167	10.459	10.459	0.0	76	32124	18.5	
114 Dicyclopentadiene	66	10.812	10.812	0.0	96	336749	19.4	
112 1,2,3-Trimethylbenzene	105	10.830	10.830	0.0	78	322328	19.6	
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	

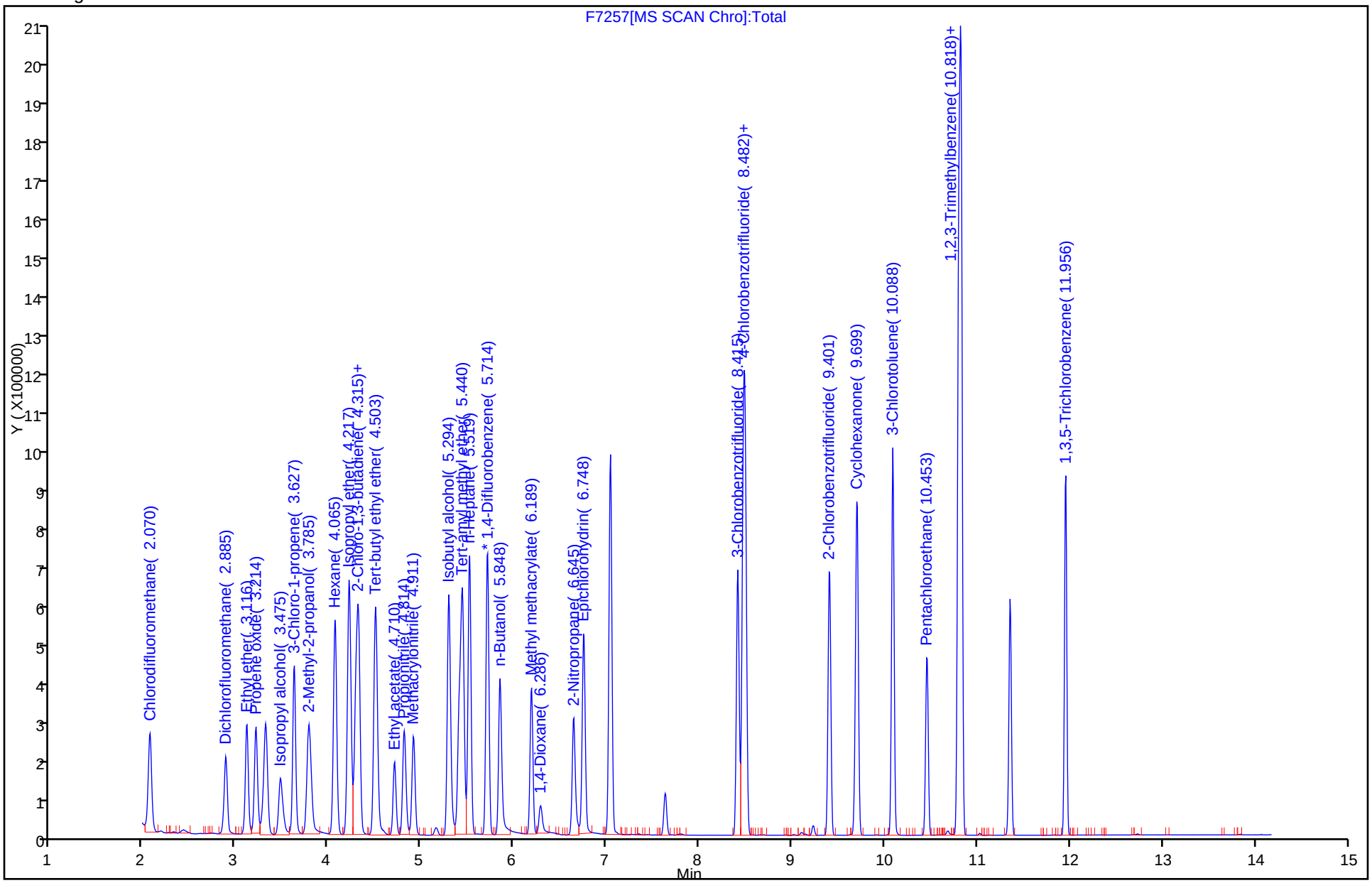
Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/kg	Flags
104 3-Chlorotoluene	126	10.088	10.088	0.0	95	278540	50.2	
108 Pentachloroethane	167	10.459	10.459	0.0	84	93594	52.5	
114 Dicyclopentadiene	66	10.812	10.812	0.0	96	906035	50.8	
112 1,2,3-Trimethylbenzene	105	10.830	10.830	0.0	92	857733	50.9	
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	

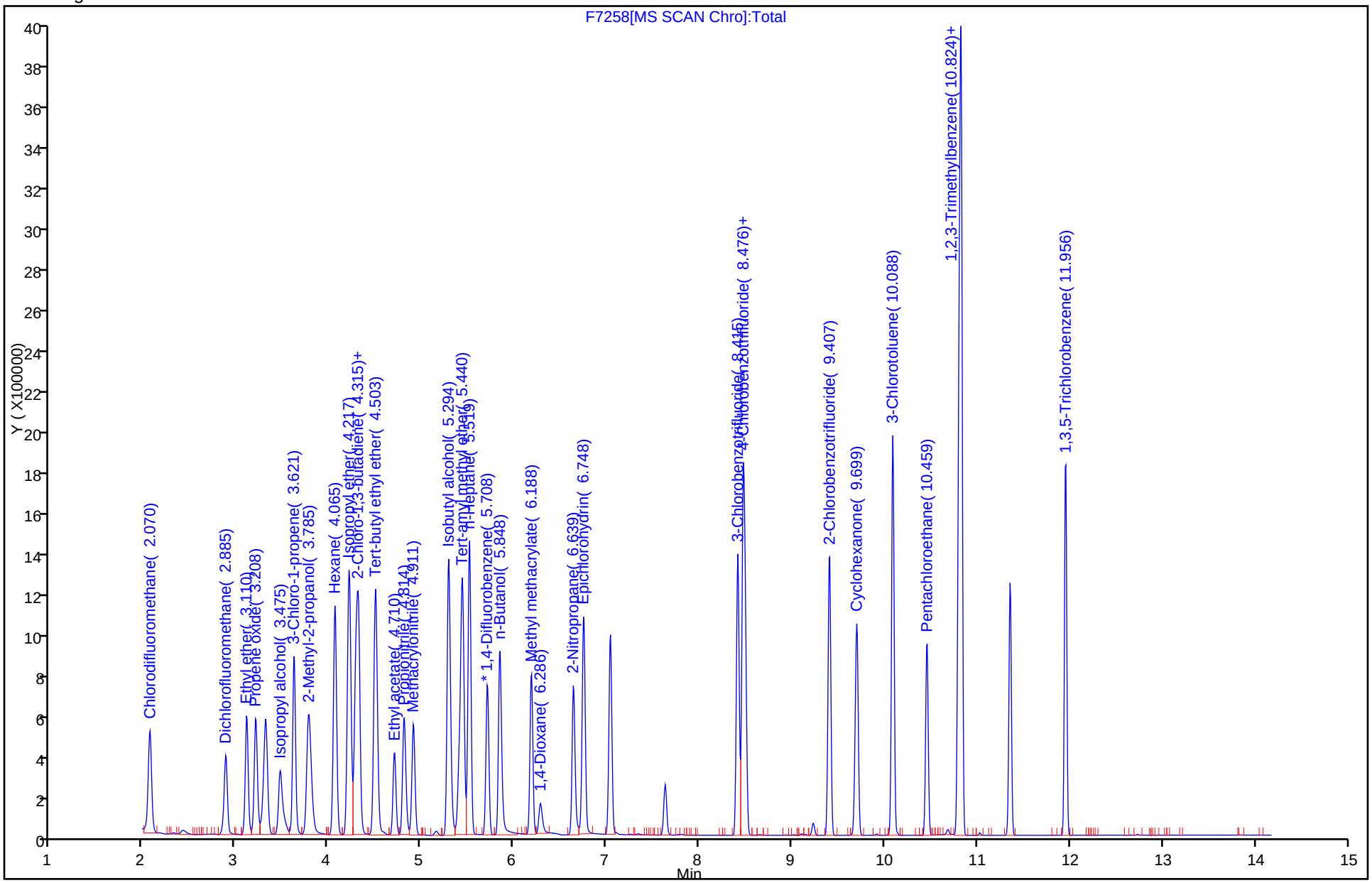
Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/kg	Flags
104 3-Chlorotoluene	126	10.088	10.088	0.0	95	571214	100.6	
108 Pentachloroethane	167	10.459	10.459	0.0	86	197030	108.0	
114 Dicyclopentadiene	66	10.812	10.812	0.0	97	1801339	98.7	
112 1,2,3-Trimethylbenzene	105	10.830	10.830	0.0	97	1724559	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	

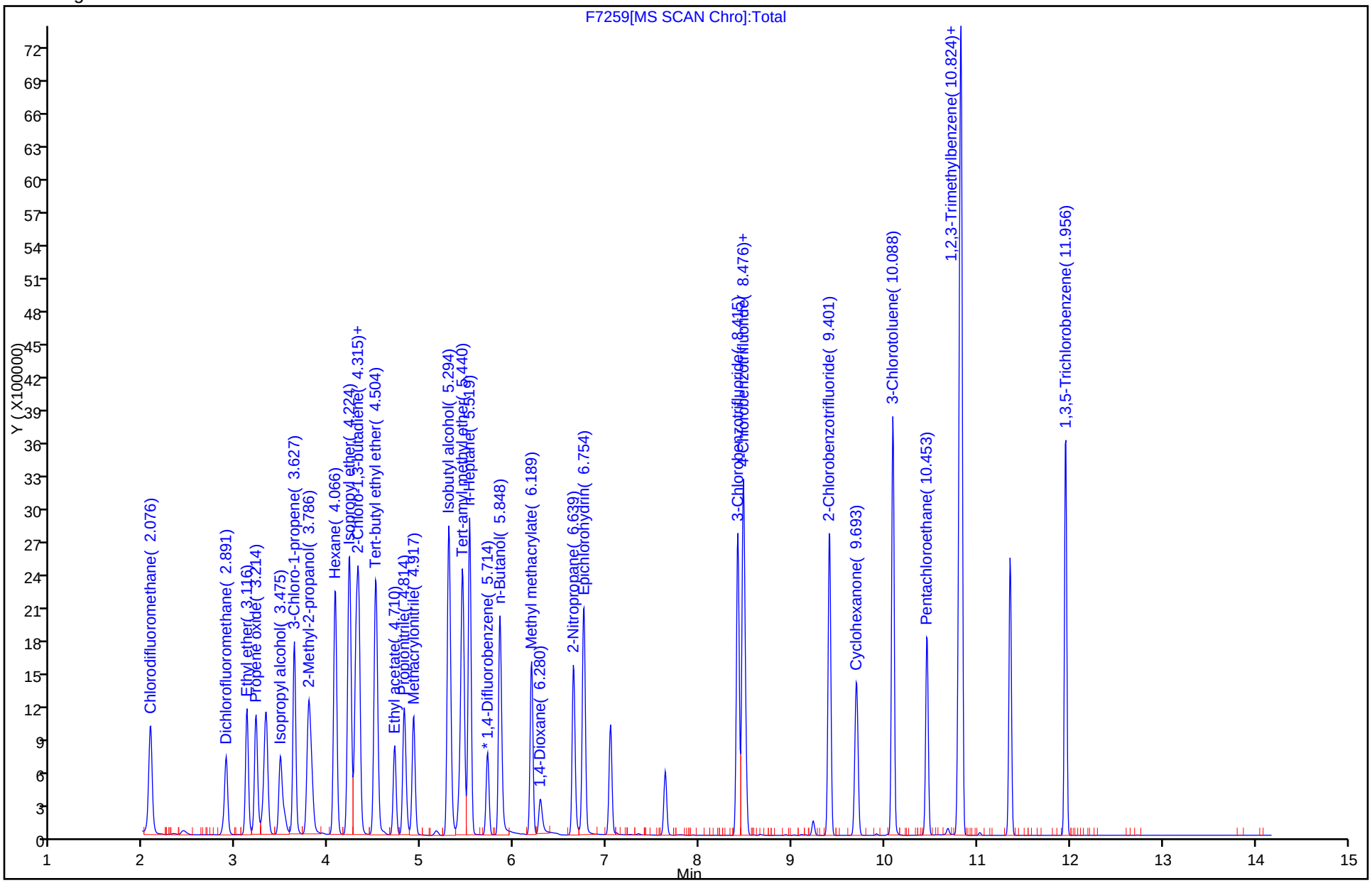
Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/kg	Flags
104 3-Chlorotoluene	126	10.088	10.088	0.0	95	1158764	199.5	
108 Pentachloroethane	167	10.459	10.459	0.0	87	403911	216.2	
114 Dicyclopentadiene	66	10.812	10.812	0.0	97	3480931	186.4	
112 1,2,3-Trimethylbenzene	105	10.830	10.830	0.0	96	3294248	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.: 480-18292-1 Analy Batch No.: 58822

SDG No.:

Instrument ID: HP5973G GC Column: ZB-624 (60) ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 04/09/2012 20:15 Calibration End Date: 04/09/2012 22:09 Calibration ID: 7320

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	STD 480-58822/3	G10838.D
Level 2	STD 480-58822/4	G10839.D
Level 3	STD 480-58822/5	G10840.D
Level 4	STD 480-58822/6	G10841.D
Level 5	STD 480-58822/7	G10842.D
Level 6	STD 480-58822/8	G10843.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	0.3614 0.4493	0.5192	0.4063	0.4186	0.4215	Ave		0.4294				12.0		15.0			
Chloromethane	0.6433 0.6820	0.7359	0.6790	0.6811	0.6523	Ave		0.6789			0.1000	4.8		15.0			
Vinyl chloride	0.4879 0.6189	0.6494	0.5650	0.5975	0.5878	Ave		0.5844				9.5		30.0			
Bromomethane	0.1143 0.0828	0.1349	0.0981	0.1117	0.1021	QuaF		0.1200	0						0.9990		0.9900
Chloroethane	0.2448 0.2907	0.3260	0.2469	0.2864	0.2794	Ave		0.2790				11.0		15.0			
Trichlorofluoromethane	0.2502 0.4982	0.4754	0.3910	0.4472	0.4501	Lin1F		0.4714							0.9940		0.9900
Acrolein	0.0431 0.0484	0.0451	0.0435	0.0446	0.0434	Ave		0.0447				4.4		15.0			
1,1,2-Trichloro-1,2,2-trifluoroethane	0.2660 0.3677	0.3645	0.3290	0.3238	0.3018	Ave		0.3255				12.0		15.0			
1,1-Dichloroethene	0.3099 0.3976	0.4202	0.3615	0.3671	0.3643	Ave		0.3701				10.0		30.0			
Acetone	0.1940 0.2080	0.2153	0.1985	0.2007	0.1932	Ave		0.2016				4.2		15.0			
Iodomethane	0.2842 0.3897	0.3877	0.3322	0.3581	0.3598	Ave		0.3520				11.0		15.0			
Carbon disulfide	0.7436 1.0881	0.8784	0.8327	0.9094	0.9431	Ave		0.8992				13.0		15.0			
Methyl acetate	0.7048 0.7619	0.7945	0.7200	0.7166	0.6777	Ave		0.7292				5.8		15.0			
Acetonitrile	0.0400 0.0524	0.0531	0.0548	0.0533	0.0515	Ave		0.0508				11.0		15.0			
Methylene Chloride	0.4140 0.4626	0.4875	0.4383	0.4727	0.4381	Ave		0.4522				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.: 480-18292-1 Analy Batch No.: 58822

SDG No.:

Instrument ID: HP5973G GC Column: ZB-624 (60) ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 04/09/2012 20:15 Calibration End Date: 04/09/2012 22:09 Calibration ID: 7320

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	0.9913 1.1088	1.1035	1.0561	1.0406	1.0004	Ave		1.0501				4.7		15.0			
trans-1,2-Dichloroethene	0.3750 0.4381	0.4639	0.4001	0.4368	0.4078	Ave		0.4203				7.6		15.0			
Acrylonitrile	0.2606 0.2739	0.2652	0.2648	0.2665	0.2573	Ave		0.2647				2.1		15.0			
1,1-Dichloroethane	0.5539 0.7063	0.7441	0.6706	0.7353	0.6665	Ave		0.6794			0.1000	10.0		15.0			
Vinyl acetate	0.8080 0.8216	0.9779	0.9850	0.9976	0.9082	Ave		0.9164				9.2		15.0			
2,2-Dichloropropane	0.2110 0.2765	0.2811	0.2541	0.2684	0.2519	Ave		0.2572				9.9		15.0			
cis-1,2-Dichloroethene	0.3126 0.3949	0.4024	0.3694	0.3964	0.3671	Ave		0.3738				8.9		15.0			
2-Butanone (MEK)	0.3529 0.3969	0.4025	0.3957	0.3893	0.3770	Ave		0.3857				4.7		15.0			
Bromochloromethane	0.1318 0.1661	0.1596	0.1483	0.1598	0.1543	Ave		0.1533				7.9		15.0			
Tetrahydrofuran	0.2890 0.2737	0.2777	0.2676	0.2681	0.2595	Ave		0.2726				3.7		15.0			
Chloroform	0.3069 0.3932	0.4092	0.3604	0.3932	0.3641	Ave		0.3712				9.9		30.0			
1,1,1-Trichloroethane	0.2943 0.4192	0.3994	0.3618	0.3884	0.3777	Ave		0.3735				12.0		15.0			
Cyclohexane	0.8312 1.0745	1.0188	0.9885	0.9498	0.9472	Ave		0.9683				8.5		15.0			
Carbon tetrachloride	0.2208 0.4514	0.3600	0.3234	0.3785	0.3887	LinF		0.4350							0.9920		0.9900
1,1-Dichloropropene	0.4312 0.5630	0.5760	0.5225	0.5587	0.5214	Ave		0.5288				10.0		15.0			
Benzene	1.2645 1.5589	1.6575	1.5470	1.6219	1.4957	Ave		1.5242				9.2		15.0			
1,2-Dichloroethane	0.4621 0.5097	0.5236	0.4900	0.5081	0.4720	Ave		0.4942				4.8		15.0			
Trichloroethene	0.3200 0.3948	0.3991	0.3658	0.3900	0.3693	Ave		0.3732				7.9		15.0			
Methylcyclohexane	0.5779 0.7800	0.7247	0.6924	0.6708	0.6809	Ave		0.6878				9.7		15.0			
1,2-Dichloropropane	0.3263 0.4258	0.4148	0.3881	0.4191	0.3931	Ave		0.3945				9.3		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.: 480-18292-1 Analy Batch No.: 58822

SDG No.:

Instrument ID: HP5973G GC Column: ZB-624 (60) ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 04/09/2012 20:15 Calibration End Date: 04/09/2012 22:09 Calibration ID: 7320

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	0.1446 0.2028	0.1907	0.1829	0.1940	0.1843	Ave		0.1832				11.0		15.0			
Bromodichloromethane	0.2493 0.4157	0.3307	0.3048	0.3666	0.3576	Lin1F		0.3852							0.9910		0.9900
2-Chloroethyl vinyl ether	0.2310 0.3113	0.2857	0.2954	0.3009	0.2883	Ave		0.2854				9.9		15.0			
cis-1,3-Dichloropropene	0.3155 0.5641	0.4643	0.4270	0.5036	0.5005	Lin1F		0.5284							0.9930		0.9900
4-Methyl-2-pentanone (MIBK)	1.2549 1.2652	1.4604	1.4664	1.4484	1.3463	Ave		1.3736				7.2		15.0			
Toluene	1.7082 2.0611	2.2003	2.0092	2.1130	1.9879	Ave		2.0133				8.3		30.0			
trans-1,3-Dichloropropene	0.5522 1.0396	0.7577	0.7611	0.9100	0.9060	Lin1F		0.9631							0.9900		0.9900
Ethyl methacrylate	0.7466 1.1948	0.9704	0.9789	1.0368	1.0321	Ave		0.9933				15.0		15.0			
1,1,2-Trichloroethane	0.4524 0.5397	0.5215	0.5007	0.5331	0.5201	Ave		0.5112				6.2		15.0			
Tetrachloroethene	0.6828 0.7973	0.8220	0.7491	0.7917	0.7572	Ave		0.7667				6.4		15.0			
1,3-Dichloropropane	0.9619 1.1954	1.1782	1.1131	1.1718	1.1358	Ave		1.1260				7.6		15.0			
2-Hexanone	0.9626 1.0568	1.1295	1.1568	1.1339	1.0801	Ave		1.0866				6.5		15.0			
Dibromochloromethane	0.3142 0.5769	0.3948	0.3755	0.4450	0.4691	QuaF		0.3744	0.0020						1.0000		0.9900
1,2-Dibromoethane	0.5215 0.6780	0.6135	0.5947	0.6391	0.6201	Ave		0.6112				8.5		15.0			
Chlorobenzene	1.8317 2.1848	2.2980	2.0762	2.1858	2.0643	Ave		2.1068			0.3000	7.6		15.0			
Ethylbenzene	3.0886 3.8353	4.1402	3.8420	4.0283	3.7301	Ave		3.7774				9.8		30.0			
1,1,1,2-Tetrachloroethane	0.3813 0.6461	0.5175	0.4878	0.5669	0.5585	Lin1F		0.5997							0.9910		0.9900
m,p-Xylene	1.1982 1.5056	1.6178	1.4968	1.5556	1.4488	Ave		1.4705				9.9		15.0			
o-Xylene	1.0792 1.4772	1.4815	1.3564	1.4628	1.3792	Ave		1.3727				11.0		15.0			
Styrene	1.6709 2.4168	2.3318	2.2036	2.3842	2.2410	Ave		2.2080				12.0		15.0			

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

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

Lab Name: TestAmerica Buffalo Job No.: 480-18292-1 Analy Batch No.: 58822

SDG No.:

Instrument ID: HP5973G GC Column: ZB-624 (60) ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 04/09/2012 20:15 Calibration End Date: 04/09/2012 22:09 Calibration ID: 7320

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	0.0809 0.3567	0.1874	0.1884	0.2379	0.2649	QuaF		0.1812	0.0018		0.1000				1.0000		0.9900
Isopropylbenzene	3.1377 4.0159	4.3553	4.0592	4.2556	3.9700	Ave		3.9656				11.0		15.0			
Bromobenzene	0.7012 0.8894	0.8970	0.8275	0.8814	0.8217	Ave		0.8364				8.8		15.0			
1,1,2,2-Tetrachloroethane	0.7602 1.0788	1.0561	1.0044	1.0710	1.0033	Ave		0.9956			0.3000	12.0		15.0			
N-Propylbenzene	3.7819 4.9230	5.4068	5.0188	5.3085	4.9582	Ave		4.8995				12.0		15.0			
1,2,3-Trichloropropane	0.2915 0.3475	0.3655	0.3439	0.3566	0.3280	Ave		0.3388				7.8		15.0			
trans-1,4-Dichloro-2-butene	0.2354 0.4007	0.2615	0.2778	0.3229	0.3471	LinF		0.3857							0.9910		0.9900
2-Chlorotoluene	0.7638 0.9855	0.9956	0.9306	0.9680	0.9144	Ave		0.9263				9.2		15.0			
1,3,5-Trimethylbenzene	2.5470 3.4255	3.6917	3.4390	3.5816	3.3597	Ave		3.3408				12.0		15.0			
4-Chlorotoluene	0.8040 1.0372	1.0342	0.9511	1.0249	0.9673	Ave		0.9698				9.2		15.0			
tert-Butylbenzene	0.5570 0.7742	0.8175	0.7497	0.7859	0.7440	Ave		0.7380				13.0		15.0			
1,2,4-Trimethylbenzene	2.5493 3.3705	3.7042	3.4654	3.6276	3.3176	Ave		3.3391				12.0		15.0			
sec-Butylbenzene	3.4066 4.1514	4.8231	4.4016	4.5854	4.2132	Ave		4.2636				11.0		15.0			
1,3-Dichlorobenzene	1.5567 1.7874	1.9768	1.8281	1.8981	1.7504	Ave		1.7996				8.0		15.0			
4-Isopropyltoluene	2.6986 3.4277	3.9639	3.6950	3.8656	3.5333	Ave		3.5307				13.0		15.0			
1,4-Dichlorobenzene	1.5963 1.8888	2.0496	1.8920	1.9426	1.8145	Ave		1.8640				8.2		15.0			
n-Butylbenzene	2.5606 3.2048	3.7710	3.4404	3.6246	3.2942	Ave		3.3159				13.0		15.0			
1,2-Dichlorobenzene	1.4854 1.5852	1.9096	1.7417	1.7949	1.5728	Ave		1.6816				9.5		15.0			
1,2-Dibromo-3-Chloropropane	0.1688 0.1838	0.2015	0.1950	0.2159	0.1876	Ave		0.1921				8.4		15.0			
1,2,4-Trichlorobenzene	1.0172 0.8158	1.2649	1.1511	1.0760	0.8623	QuaF		1.0238	-0.002						0.9960		0.9900

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

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

Lab Name: TestAmerica Buffalo Job No.: 480-18292-1 Analy Batch No.: 58822

SDG No.:

Instrument ID: HP5973G GC Column: ZB-624 (60) ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 04/09/2012 20:15 Calibration End Date: 04/09/2012 22:09 Calibration ID: 7320

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	0.4571 0.2824	0.4995	0.4708	0.4199	0.3401	QuaF		0.4304	-0.001						0.9970		0.9900
Naphthalene	2.8674 2.6718	3.9267	3.7508	3.5754	2.9229	QuaF		3.4806	-0.008						0.9970		0.9900
1,2,3-Trichlorobenzene	0.8695 0.6910	1.1488	1.0591	0.9313	0.7545	QuaF		0.9124	-0.002						0.9960		0.9900
1,2-Dichloroethane-d4 (Surr)	0.1323 0.2024	0.1954	0.2003	0.1856	0.1858	Ave		0.1836				14.0		15.0			
Toluene-d8 (Surr)	1.7578 2.7923	2.7018	2.7893	2.7543	2.6270	Lin1F		2.7361							0.9980		0.9900
4-Bromofluorobenzene (Surr)	0.4791 0.7827	0.7189	0.7065	0.7121	0.6945	Ave		0.6823				15.0		15.0			

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

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

Lab Name: TestAmerica Buffalo Job No.: 480-18292-1 Analy Batch No.: 58822

SDG No.:

Instrument ID: HP5973G GC Column: ZB-624 (60) ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 04/09/2012 20:15 Calibration End Date: 04/09/2012 22:09 Calibration ID: 7320

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	STD 480-58822/3	G10838.D
Level 2	STD 480-58822/4	G10839.D
Level 3	STD 480-58822/5	G10840.D
Level 4	STD 480-58822/6	G10841.D
Level 5	STD 480-58822/7	G10842.D
Level 6	STD 480-58822/8	G10843.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	6427 892101	43741	71198	199962	396137	1.00 100	5.00	10.0	25.0	50.0
Chloromethane	DFB	Ave	11440 1354164	61995	118983	325365	613012	1.00 100	5.00	10.0	25.0	50.0
Vinyl chloride	DFB	Ave	8676 1228843	54707	99008	285402	552409	1.00 100	5.00	10.0	25.0	50.0
Bromomethane	DFB	QuaF	2032 164435	11363	17195	53344	95922	1.00 100	5.00	10.0	25.0	50.0
Chloroethane	DFB	Ave	4354 577264	27466	43260	136803	262589	1.00 100	5.00	10.0	25.0	50.0
Trichlorofluoromethane	DFB	Lin1F	4450 989143	40052	68515	213616	422978	1.00 100	5.00	10.0	25.0	50.0
Acrolein	DFB	Ave	15314 1920826	75914	152499	425713	815615	20.0 2000	100	200	500	1000
1,1,2-Trichloro-1,2,2-trifluoroethane	DFB	Ave	4730 730113	30704	57648	154686	283590	1.00 100	5.00	10.0	25.0	50.0
1,1-Dichloroethene	DFB	Ave	5511 789438	35394	63354	175347	342334	1.00 100	5.00	10.0	25.0	50.0
Acetone	DFB	Ave	17253 2064809	90673	173894	479478	907708	5.00 500	25.0	50.0	125	250
Iodomethane	DFB	Ave	5054 773794	32659	58211	171081	338095	1.00 100	5.00	10.0	25.0	50.0
Carbon disulfide	DFB	Ave	13224 2160403	73993	145925	434388	886320	1.00 100	5.00	10.0	25.0	50.0
Methyl acetate	DFB	Ave	12533 1512820	66927	126174	342306	636895	1.00 100	5.00	10.0	25.0	50.0
Acetonitrile	DFB	Ave	28450 4159464	179016	383785	1018216	1937014	40.0 4000	200	400	1000	2000
Methylene Chloride	DFB	Ave	7362 918507	41064	76799	225813	411735	1.00 100	5.00	10.0	25.0	50.0
Methyl tert-butyl ether	DFB	Ave	17628 2201522	92962	185060	497064	940175	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.: 480-18292-1 Analy Batch No.: 58822

SDG No.:

Instrument ID: HP5973G GC Column: ZB-624 (60) ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 04/09/2012 20:15 Calibration End Date: 04/09/2012 22:09 Calibration ID: 7320

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	6669 869959	39079	70116	208674	383210	1.00 100	5.00	10.0	25.0	50.0
Acrylonitrile	DFB	Ave	23171 2719217	111694	232021	636577	1208787	5.00 500	25.0	50.0	125	250
1,1-Dichloroethane	DFB	Ave	9851 1402451	62685	117504	351238	626311	1.00 100	5.00	10.0	25.0	50.0
Vinyl acetate	DFB	Ave	71850 8156453	411897	863066	2382781	4267594	5.00 500	25.0	50.0	125	250
2,2-Dichloropropane	DFB	Ave	3752 549030	23682	44533	128209	236770	1.00 100	5.00	10.0	25.0	50.0
cis-1,2-Dichloroethene	DFB	Ave	5559 784098	33902	64734	189357	345013	1.00 100	5.00	10.0	25.0	50.0
2-Butanone (MEK)	DFB	Ave	31376 3940700	169513	346670	929873	1771221	5.00 500	25.0	50.0	125	250
Bromochloromethane	DFB	Ave	2344 329854	13447	25988	76320	144990	1.00 100	5.00	10.0	25.0	50.0
Tetrahydrofuran	DFB	Ave	25701 2717115	116988	234436	640330	1219531	5.00 500	25.0	50.0	125	250
Chloroform	DFB	Ave	5458 780715	34473	63155	187820	342196	1.00 100	5.00	10.0	25.0	50.0
1,1,1-Trichloroethane	DFB	Ave	5233 832365	33642	63394	185524	354987	1.00 100	5.00	10.0	25.0	50.0
Cyclohexane	DFB	Ave	14781 2133357	85823	173218	453718	890133	1.00 100	5.00	10.0	25.0	50.0
Carbon tetrachloride	DFB	LinF	3926 896293	30325	56665	180823	365304	1.00 100	5.00	10.0	25.0	50.0
1,1-Dichloropropene	DFB	Ave	7668 1117878	48519	91559	266868	490005	1.00 100	5.00	10.0	25.0	50.0
Benzene	DFB	Ave	22487 3095279	139630	271085	774754	1405591	1.00 100	5.00	10.0	25.0	50.0
1,2-Dichloroethane	DFB	Ave	8217 1011946	44107	85860	242725	443574	1.00 100	5.00	10.0	25.0	50.0
Trichloroethene	DFB	Ave	5690 783953	33621	64096	186302	347078	1.00 100	5.00	10.0	25.0	50.0
Methylcyclohexane	DFB	Ave	10277 1548708	61050	121325	320428	639861	1.00 100	5.00	10.0	25.0	50.0
1,2-Dichloropropane	DFB	Ave	5803 845378	34939	68005	200208	369445	1.00 100	5.00	10.0	25.0	50.0
Dibromomethane	DFB	Ave	2572 402589	16061	32054	92653	173162	1.00 100	5.00	10.0	25.0	50.0
Bromodichloromethane	DFB	Lin1F	4433 825374	27856	53405	175138	336087	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.: 480-18292-1 Analy Batch No.: 58822

SDG No.:

Instrument ID: HP5973G GC Column: ZB-624 (60) ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 04/09/2012 20:15 Calibration End Date: 04/09/2012 22:09 Calibration ID: 7320

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	20544 3090198	120331	258863	718791	1354445	5.00 500	25.0	50.0	125	250
cis-1,3-Dichloropropene	DFB	Lin1F	5611 1119940	39116	74828	240570	470321	1.00 100	5.00	10.0	25.0	50.0
4-Methyl-2-pentanone (MIBK)	CBZ	Ave	52576 6240415	299618	619688	1692586	3091967	5.00 500	25.0	50.0	125	250
Toluene	CBZ	Ave	14313 2033187	90285	169816	493827	913059	1.00 100	5.00	10.0	25.0	50.0
trans-1,3-Dichloropropene	CBZ	Lin1F	4627 1025518	31089	64327	212667	416142	1.00 100	5.00	10.0	25.0	50.0
Ethyl methacrylate	CBZ	Ave	6256 1178643	39820	82735	242303	474080	1.00 100	5.00	10.0	25.0	50.0
1,1,2-Trichloroethane	CBZ	Ave	3791 532371	21400	42315	124587	238887	1.00 100	5.00	10.0	25.0	50.0
Tetrachloroethene	CBZ	Ave	5721 786463	33729	63311	185032	347793	1.00 100	5.00	10.0	25.0	50.0
1,3-Dichloropropane	CBZ	Ave	8060 1179170	48344	94078	273873	521678	1.00 100	5.00	10.0	25.0	50.0
2-Hexanone	CBZ	Ave	40328 5212288	231745	488858	1325004	2480564	5.00 500	25.0	50.0	125	250
Dibromochloromethane	CBZ	QuaF	2633 569075	16202	31738	103995	215471	1.00 100	5.00	10.0	25.0	50.0
1,2-Dibromoethane	CBZ	Ave	4370 668808	25172	50267	149366	284840	1.00 100	5.00	10.0	25.0	50.0
Chlorobenzene	CBZ	Ave	15348 2155179	94293	175484	510837	948169	1.00 100	5.00	10.0	25.0	50.0
Ethylbenzene	CBZ	Ave	25880 3783367	169885	324728	941455	1713305	1.00 100	5.00	10.0	25.0	50.0
1,1,1,2-Tetrachloroethane	CBZ	Lin1F	3195 637335	21236	41233	132485	256508	1.00 100	5.00	10.0	25.0	50.0
m,p-Xylene	CBZ	Ave	20080 2970482	132771	253016	727107	1330909	2.00 200	10.0	20.0	50.0	100
o-Xylene	CBZ	Ave	9043 1457223	60790	114644	341873	633476	1.00 100	5.00	10.0	25.0	50.0
Styrene	CBZ	Ave	14001 2384044	95680	186245	557203	1029331	1.00 100	5.00	10.0	25.0	50.0
Bromoform	CBZ	QuaF	678 351895	7691	15920	55603	121656	1.00 100	5.00	10.0	25.0	50.0
Isopropylbenzene	DCB	Ave	24747 3859945	169576	323242	942860	1720219	1.00 100	5.00	10.0	25.0	50.0
Bromobenzene	DCB	Ave	5530 854892	34925	65894	195282	356057	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.: 480-18292-1 Analy Batch No.: 58822

SDG No.:

Instrument ID: HP5973G GC Column: ZB-624 (60) ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 04/09/2012 20:15 Calibration End Date: 04/09/2012 22:09 Calibration ID: 7320

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	5996 1036903	41119	79983	237281	434753	1.00 100	5.00	10.0	25.0	50.0
N-Propylbenzene	DCB	Ave	29828 4731839	210516	399654	1176132	2148420	1.00 100	5.00	10.0	25.0	50.0
1,2,3-Trichloropropane	DCB	Ave	2299 333962	14230	27382	79004	142124	1.00 100	5.00	10.0	25.0	50.0
trans-1,4-Dichloro-2-butene	DCB	LinF	9283 1925533	50917	110611	357677	752081	5.00 500	25.0	50.0	125	250
2-Chlorotoluene	DCB	Ave	6024 947203	38766	74103	214477	396200	1.00 100	5.00	10.0	25.0	50.0
1,3,5-Trimethylbenzene	DCB	Ave	20088 3292477	143738	273854	793536	1455773	1.00 100	5.00	10.0	25.0	50.0
4-Chlorotoluene	DCB	Ave	6341 996934	40266	75741	227079	419146	1.00 100	5.00	10.0	25.0	50.0
tert-Butylbenzene	DCB	Ave	4393 744127	31830	59698	174118	322390	1.00 100	5.00	10.0	25.0	50.0
1,2,4-Trimethylbenzene	DCB	Ave	20106 3239650	144225	275955	803710	1437551	1.00 100	5.00	10.0	25.0	50.0
sec-Butylbenzene	DCB	Ave	26868 3990254	187790	350505	1015935	1825614	1.00 100	5.00	10.0	25.0	50.0
1,3-Dichlorobenzene	DCB	Ave	12278 1718028	76969	145573	420537	758444	1.00 100	5.00	10.0	25.0	50.0
4-Isopropyltoluene	DCB	Ave	21284 3294639	154336	294240	856455	1531019	1.00 100	5.00	10.0	25.0	50.0
1,4-Dichlorobenzene	DCB	Ave	12590 1815513	79802	150659	430406	786219	1.00 100	5.00	10.0	25.0	50.0
n-Butylbenzene	DCB	Ave	20195 3080338	146825	273964	803047	1427404	1.00 100	5.00	10.0	25.0	50.0
1,2-Dichlorobenzene	DCB	Ave	11715 1523694	74352	138691	397673	681510	1.00 100	5.00	10.0	25.0	50.0
1,2-Dibromo-3-Chloropropane	DCB	Ave	1331 176705	7846	15529	47834	81305	1.00 100	5.00	10.0	25.0	50.0
1,2,4-Trichlorobenzene	DCB	QuaF	8023 784168	49248	91662	238395	373622	1.00 100	5.00	10.0	25.0	50.0
Hexachlorobutadiene	DCB	QuaF	3605 271418	19450	37494	93023	147387	1.00 100	5.00	10.0	25.0	50.0
Naphthalene	DCB	QuaF	22615 2568065	152889	298682	792145	1266493	1.00 100	5.00	10.0	25.0	50.0
1,2,3-Trichlorobenzene	DCB	QuaF	6858 664204	44730	84339	206336	326931	1.00 100	5.00	10.0	25.0	50.0
1,2-Dichloroethane-d4 (Surr)	DFB	Ave	2353 401832	16462	35095	88664	174579	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.: 480-18292-1 Analy Batch No.: 58822

SDG No.:

Instrument ID: HP5973G GC Column: ZB-624 (60) ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 04/09/2012 20:15 Calibration End Date: 04/09/2012 22:09 Calibration ID: 7320

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	Lin1F	14729 2754461	110865	235754	643696	1206607	1.00 100	5.00	10.0	25.0	50.0
4-Bromofluorobenzene (Surr)	CBZ	Ave	4014 772116	29497	59714	166435	318976	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\20120409-10850.b\G10838.D
Lims ID: STD Client ID:
Inject. Date: 09-Apr-2012 20:15:30 Dil. Factor: 1.0000
Sample Type: IC Calib Level: 1
Sample ID: STD
Misc. Info.: 480-0010850-003 =480-0010850-003
Operator: RAL Instrument ID: HP5973G
Vol. Injected: 1.0000 ALS Bottle#: 3
Lims Batch ID: 58822 Lims Sample ID: 3
Sublist: chrom-G-8260*sub1
Detector: MS SCAN

Method: \\Bufchrom\ChromData\HP5973G\20120409-10850.b\G-8260.m
Last Update: 09-Apr-2012 23:01:54 Calib Date: 09-Apr-2012 22:09:30
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\Bufchrom\ChromData\HP5973G\20120409-10850.b\G10843.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 22:58:57

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	444589	25.0	
* 2 Chlorobenzene-d5	82	8.222	8.221	0.001	87	209477	25.0	
* 3 1,4-Dichlorobenzene-d4	152	10.630	10.630	0.0	97	197174	25.0	
$ 4 1,2-Dichloroethane-d4 (Surr)	67	4.978	4.978	0.0	0	2353	0.7206	
$ 5 Toluene-d8 (Surr)	98	6.746	6.740	0.006	81	14729	0.6425	
$ 6 4-Bromofluorobenzene (Surr)	174	9.483	9.477	0.006	69	4014	0.7021	
10 Dichlorodifluoromethane	85	1.253	1.247	0.006	66	6427	0.8416	
12 Chloromethane	50	1.369	1.375	-0.006	86	11440	0.9475	
13 Vinyl chloride	62	1.473	1.485	-0.012	75	8676	0.8348	
14 Bromomethane	94	1.735	1.747	-0.012	49	2032	0.9551	
15 Chloroethane	64	1.875	1.869	0.006	18	4354	0.8774	
17 Trichlorofluoromethane	101	2.089	2.107	-0.018	14	4450	0.5308	
19 Acrolein	56	2.497	2.491	0.006	87	15314	19.3	
20 1,1-Dichloroethene	96	2.558	2.558	0.0	79	5511	0.8373	
21 1,1,2-Trichloro-1,2,2-trifluoroe	101	2.546	2.558	-0.012	55	4730	0.8172	
22 Acetone	43	2.656	2.655	0.001	98	17253	4.81	
23 Iodomethane	142	2.723	2.729	-0.006	74	5054	0.8075	
24 Carbon disulfide	76	2.765	2.777	-0.012	88	13224	0.8270	
28 Methyl acetate	43	2.936	2.936	0.0	95	12533	0.9664	
27 Acetonitrile	40	2.960	2.960	0.0	100	28450	31.5	
29 Methylene Chloride	84	3.082	3.082	0.0	76	7362	0.9155	
32 trans-1,2-Dichloroethene	96	3.296	3.241	0.055	70	6669	0.8922	
31 Methyl tert-butyl ether	73	3.247	3.241	0.006	88	17628	0.9440	
33 Acrylonitrile	53	3.314	3.314	0.0	98	23171	4.92	
36 1,1-Dichloroethane	63	3.655	3.655	0.0	56	9851	0.8153	
38 Vinyl acetate	43	3.722	3.716	0.006	96	71850	4.41	
42 2,2-Dichloropropane	77	4.167	4.167	0.0	58	3752	0.8204	
43 cis-1,2-Dichloroethene	96	4.210	4.204	0.006	49	5559	0.8362	
44 2-Butanone (MEK)	43	4.265	4.253	0.012	96	31376	4.57	
48 Chlorobromomethane	128	4.436	4.436	0.0	72	2344	0.8597	

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/L	Flags
49 Tetrahydrofuran	42	4.478	4.466	0.012	93	25701	5.30	
50 Chloroform	85	4.515	4.515	0.0	66	5458	0.8269	
51 1,1,1-Trichloroethane	97	4.619	4.619	0.001	45	5233	0.7879	
52 Cyclohexane	56	4.637	4.625	0.012	84	14781	0.8584	
53 Carbon tetrachloride	117	4.759	4.753	0.006	73	3926	0.5075	
54 1,1-Dichloropropene	75	4.771	4.771	0.0	84	7668	0.8154	
56 Benzene	78	4.972	4.972	0.0	94	22487	0.8296	
57 1,2-Dichloroethane	62	5.045	5.045	0.0	83	8217	0.9349	
61 Trichloroethene	95	5.582	5.582	0.0	81	5690	0.8574	
62 Methylcyclohexane	83	5.692	5.691	0.001	90	10277	0.8402	
63 1,2-Dichloropropane	63	5.820	5.819	0.001	68	5803	0.8271	
65 Dibromomethane	93	5.960	5.960	0.0	78	2572	0.7895	
67 Dichlorobromomethane	83	6.112	6.112	0.0	64	4433	0.6472	
70 2-Chloroethyl vinyl ether	63	6.399	6.393	0.006	85	20544	4.05	
72 cis-1,3-Dichloropropene	75	6.527	6.527	0.0	58	5611	0.5971	
73 4-Methyl-2-pentanone (MIBK)	43	6.685	6.679	0.006	96	52576	4.57	
74 Toluene	92	6.807	6.807	0.0	95	14313	0.8485	
76 trans-1,3-Dichloropropene	75	7.094	7.094	0.0	73	4627	0.5733	
78 Ethyl methacrylate	69	7.149	7.148	0.001	87	6256	0.7517	
79 1,1,2-Trichloroethane	83	7.283	7.283	0.0	70	3791	0.8850	
80 Tetrachloroethene	166	7.331	7.331	0.0	84	5721	0.8906	
81 1,3-Dichloropropane	76	7.447	7.441	0.006	84	8060	0.8543	
82 2-Hexanone	43	7.520	7.514	0.006	97	40328	4.43	
83 Chlorodibromomethane	129	7.673	7.679	-0.006	28	2633	0.8355	
84 Ethylene Dibromide	107	7.783	7.776	0.007	48	4370	0.8534	
86 Chlorobenzene	112	8.246	8.252	-0.006	73	15348	0.8694	
89 Ethylbenzene	91	8.343	8.343	0.0	96	25880	0.8177	
88 1,1,1,2-Tetrachloroethane	131	8.356	8.349	0.007	15	3195	0.6358	
90 m-Xylene & p-Xylene	106	8.465	8.465	0.0	99	20080	1.63	
91 o-Xylene	106	8.892	8.892	0.0	92	9043	0.7862	
92 Styrene	104	8.923	8.923	0.0	88	14001	0.7568	
93 Bromoform	173	9.166	9.172	-0.006	1	678	0.4446	
95 Isopropylbenzene	105	9.276	9.276	0.0	93	24747	0.7912	
97 Bromobenzene	156	9.630	9.630	0.0	88	5530	0.8383	
98 1,1,2,2-Tetrachloroethane	83	9.697	9.697	0.0	68	5996	0.7636	
101 N-Propylbenzene	91	9.715	9.715	0.0	96	29828	0.7719	
99 1,2,3-Trichloropropane	110	9.727	9.727	0.0	56	2299	0.8603	
100 trans-1,4-Dichloro-2-butene	53	9.740	9.746	-0.006	67	9283	3.05	
102 2-Chlorotoluene	126	9.819	9.819	0.0	91	6024	0.8245	
104 1,3,5-Trimethylbenzene	105	9.898	9.898	0.0	87	20088	0.7624	
105 4-Chlorotoluene	126	9.929	9.935	-0.007	93	6341	0.8290	
106 tert-Butylbenzene	134	10.215	10.215	0.0	88	4393	0.7547	
107 1,2,4-Trimethylbenzene	105	10.270	10.270	0.0	94	20106	0.7635	
109 sec-Butylbenzene	105	10.435	10.428	0.006	85	26868	0.7990	
110 1,3-Dichlorobenzene	146	10.563	10.562	0.001	91	12278	0.8651	
111 4-Isopropyltoluene	119	10.575	10.575	0.0	93	21284	0.7643	
113 1,4-Dichlorobenzene	146	10.654	10.654	0.0	73	12590	0.8564	
115 n-Butylbenzene	91	10.965	10.965	0.0	95	20195	0.7722	
116 1,2-Dichlorobenzene	146	11.008	11.008	0.0	89	11715	0.8833	
117 1,2-Dibromo-3-Chloropropane	75	11.751	11.745	0.006	14	1331	0.8784	
119 1,2,4-Trichlorobenzene	180	12.422	12.422	0.0	85	8023	1.00	
120 Hexachlorobutadiene	225	12.538	12.532	0.006	73	3605	1.07	

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/L	Flags
121 Naphthalene	128	12.641	12.635	0.006	93	22615	0.8254	
122 1,2,3-Trichlorobenzene	180	12.836	12.836	0.0	84	6858	0.9553	
S 125 1,2-Dichloroethene, Total	1				0		1.73	
S 126 1,3-Dichloropropene, Total	1				0		1.17	
S 123 Total BTEX	1				0		4.91	
S 124 Xylenes, Total	1				0		2.42	

Report Date: 09-Apr-2012 23:01:55 Chrom Revision: 2.0 20-Feb-2012 13:27:02

Data File: \\Bufchrom\ChromData\HP5973G\20120409-10850.b\G10838.D

Injection Date: 09-Apr-2012 20:15:30 Limit Group: MV - 8260B ICAL

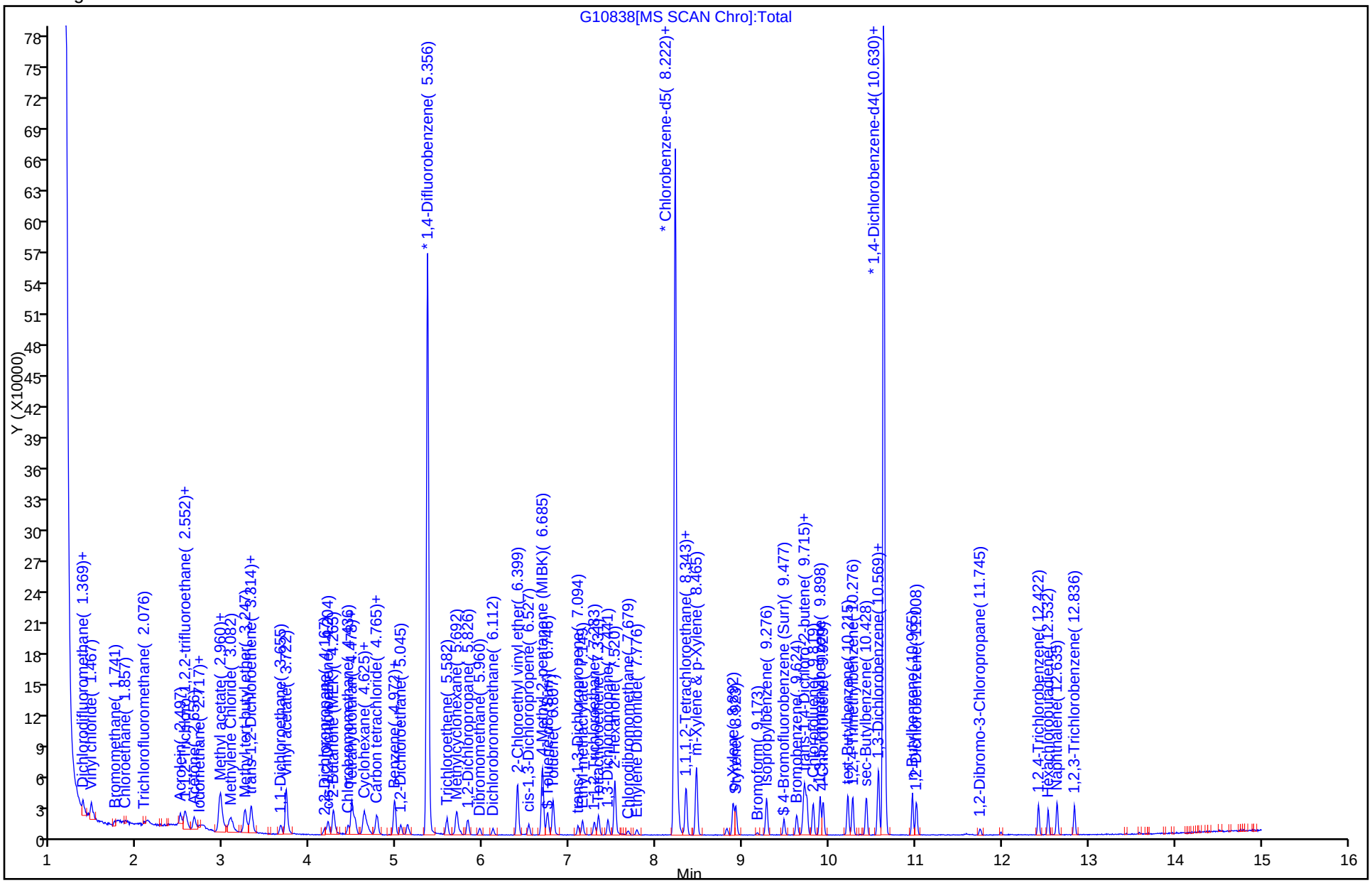
Client ID: Instrument ID: HP5973G

Lims Batch ID: 58822 Lims Sample ID: 3

Operator ID: RAL

Column Type: ZB-624 Column Dia: 0.25 mm

Y Scaling:



TestAmerica Laboratories
Target Compound Quantitation Report

Data File:	\\Bufchrom\ChromData\HP5973G\20120409-10850.b\G10839.D		
Lims ID:	STD-2	Client ID:	
Inject. Date:	09-Apr-2012 20:38:30	Dil. Factor:	1.0000
Sample Type:	IC	Calib Level:	2
Sample ID:	STD-2		
Misc. Info.:	480-0010850-004 =480-0010850-004		
Operator:	RAL	Instrument ID:	HP5973G
Vol. Injected:	1.0000	ALS Bottle#:	4
Lims Batch ID:	58822	Lims Sample ID:	4
Sublist:	chrom-G-8260*sub1		
Detector:	MS SCAN		
Method:	\\Bufchrom\ChromData\HP5973G\20120409-10850.b\G-8260.m		
Last Update:	09-Apr-2012 23:01:56	Calib Date:	09-Apr-2012 22:09:30
Quant Method:	Internal Standard	Quant By:	Initial Calibration
Last ICal File:	\\Bufchrom\ChromData\HP5973G\20120409-10850.b\G10843.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 22:59:01

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	421202	25.0	
* 2 Chlorobenzene-d5	82	8.221	8.221	0.0	88	205167	25.0	
* 3 1,4-Dichlorobenzene-d4	152	10.629	10.630	-0.001	96	194677	25.0	
$ 4 1,2-Dichloroethane-d4 (Surr)	67	4.978	4.978	0.0	0	16462	5.32	
$ 5 Toluene-d8 (Surr)	98	6.740	6.740	0.0	91	110865	4.94	
$ 6 4-Bromofluorobenzene (Surr)	174	9.477	9.477	0.0	79	29497	5.27	
10 Dichlorodifluoromethane	85	1.259	1.247	0.012	79	43741	6.05	
12 Chloromethane	50	1.375	1.375	0.0	89	61995	5.42	
13 Vinyl chloride	62	1.479	1.485	-0.006	83	54707	5.56	
14 Bromomethane	94	1.747	1.747	0.0	87	11363	5.72	
15 Chloroethane	64	1.869	1.869	0.0	83	27466	5.84	
17 Trichlorofluoromethane	101	2.088	2.107	-0.019	88	40052	5.04	
19 Acrolein	56	2.497	2.491	0.006	98	75914	100.9	
20 1,1-Dichloroethene	96	2.558	2.558	0.0	82	35394	5.68	
21 1,1,2-Trichloro-1,2,2-trifluoroe	101	2.552	2.558	-0.006	46	30704	5.60	
22 Acetone	43	2.655	2.655	0.0	98	90673	26.7	
23 Iodomethane	142	2.722	2.729	-0.007	97	32659	5.51	
24 Carbon disulfide	76	2.765	2.777	-0.012	98	73993	4.88	
28 Methyl acetate	43	2.942	2.936	0.006	97	66927	5.45	
27 Acetonitrile	40	2.960	2.960	0.0	99	179016	209.0	
29 Methylene Chloride	84	3.076	3.082	-0.006	85	41064	5.39	
32 trans-1,2-Dichloroethene	96	3.247	3.241	0.006	89	39079	5.52	
31 Methyl tert-butyl ether	73	3.241	3.241	0.0	93	92962	5.25	
33 Acrylonitrile	53	3.320	3.314	0.006	99	111694	25.0	
36 1,1-Dichloroethane	63	3.661	3.655	0.006	84	62685	5.48	
38 Vinyl acetate	43	3.722	3.716	0.006	97	411897	26.7	
42 2,2-Dichloropropane	77	4.167	4.167	0.0	86	23682	5.47	
43 cis-1,2-Dichloroethene	96	4.204	4.204	0.0	68	33902	5.38	
44 2-Butanone (MEK)	43	4.265	4.253	0.012	98	169513	26.1	
48 Chlorobromomethane	128	4.435	4.436	-0.001	87	13447	5.21	

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/L	Flags
49 Tetrahydrofuran	42	4.472	4.466	0.006	95	116988	25.5	
50 Chloroform	85	4.521	4.515	0.006	81	34473	5.51	
51 1,1,1-Trichloroethane	97	4.624	4.619	0.006	89	33642	5.35	
52 Cyclohexane	56	4.631	4.625	0.006	92	85823	5.26	
53 Carbon tetrachloride	117	4.753	4.753	-0.001	75	30325	4.14	
54 1,1-Dichloropropene	75	4.771	4.771	0.0	90	48519	5.45	
56 Benzene	78	4.972	4.972	0.0	96	139630	5.44	
57 1,2-Dichloroethane	62	5.045	5.045	0.0	95	44107	5.30	
61 Trichloroethene	95	5.582	5.582	0.0	92	33621	5.35	
62 Methylcyclohexane	83	5.697	5.691	0.006	97	61050	5.27	
63 1,2-Dichloropropane	63	5.825	5.819	0.006	89	34939	5.26	
65 Dibromomethane	93	5.960	5.960	0.0	84	16061	5.20	
67 Dichlorobromomethane	83	6.112	6.112	0.0	88	27856	4.29	
70 2-Chloroethyl vinyl ether	63	6.399	6.393	0.006	91	120331	25.0	
72 cis-1,3-Dichloropropene	75	6.527	6.527	0.0	82	39116	4.39	
73 4-Methyl-2-pentanone (MIBK)	43	6.679	6.679	0.0	98	299618	26.6	
74 Toluene	92	6.807	6.807	0.0	97	90285	5.46	
76 trans-1,3-Dichloropropene	75	7.094	7.094	0.0	94	31089	3.93	
78 Ethyl methacrylate	69	7.148	7.148	0.0	94	39820	4.88	
79 1,1,2-Trichloroethane	83	7.283	7.283	-0.001	92	21400	5.10	
80 Tetrachloroethene	166	7.337	7.331	0.006	82	33729	5.36	
81 1,3-Dichloropropane	76	7.441	7.441	0.0	98	48344	5.23	
82 2-Hexanone	43	7.520	7.514	0.006	99	231745	26.0	
83 Chlorodibromomethane	129	7.673	7.679	-0.006	83	16202	5.13	
84 Ethylene Dibromide	107	7.776	7.776	0.0	96	25172	5.02	
86 Chlorobenzene	112	8.252	8.252	0.0	84	94293	5.45	
89 Ethylbenzene	91	8.343	8.343	0.0	99	169885	5.48	
88 1,1,1,2-Tetrachloroethane	131	8.349	8.349	0.0	80	21236	4.31	
90 m-Xylene & p-Xylene	106	8.465	8.465	0.0	99	132771	11.0	
91 o-Xylene	106	8.892	8.892	0.0	99	60790	5.40	
92 Styrene	104	8.922	8.923	-0.001	96	95680	5.28	
93 Bromoform	173	9.166	9.172	-0.006	81	7691	4.94	
95 Isopropylbenzene	105	9.276	9.276	0.0	96	169576	5.49	
97 Bromobenzene	156	9.630	9.630	0.0	99	34925	5.36	
98 1,1,2,2-Tetrachloroethane	83	9.697	9.697	0.0	70	41119	5.30	
101 N-Propylbenzene	91	9.715	9.715	0.0	98	210516	5.52	
99 1,2,3-Trichloropropane	110	9.727	9.727	0.0	76	14230	5.39	
100 trans-1,4-Dichloro-2-butene	53	9.745	9.746	-0.001	76	50917	17.0	
102 2-Chlorotoluene	126	9.819	9.819	0.0	93	38766	5.37	
104 1,3,5-Trimethylbenzene	105	9.898	9.898	0.0	94	143738	5.53	
105 4-Chlorotoluene	126	9.928	9.935	-0.007	89	40266	5.33	
106 tert-Butylbenzene	134	10.215	10.215	0.0	93	31830	5.54	
107 1,2,4-Trimethylbenzene	105	10.276	10.270	0.006	98	144225	5.55	
109 sec-Butylbenzene	105	10.428	10.428	0.0	94	187790	5.66	
110 1,3-Dichlorobenzene	146	10.562	10.562	0.0	97	76969	5.49	
111 4-Isopropyltoluene	119	10.575	10.575	0.0	97	154336	5.61	
113 1,4-Dichlorobenzene	146	10.654	10.654	0.0	90	79802	5.50	
115 n-Butylbenzene	91	10.965	10.965	0.0	98	146825	5.69	
116 1,2-Dichlorobenzene	146	11.007	11.008	-0.001	94	74352	5.68	
117 1,2-Dibromo-3-Chloropropane	75	11.745	11.745	0.0	53	7846	5.24	
119 1,2,4-Trichlorobenzene	180	12.422	12.422	0.0	92	49248	6.26	
120 Hexachlorobutadiene	225	12.538	12.532	0.006	89	19450	5.93	

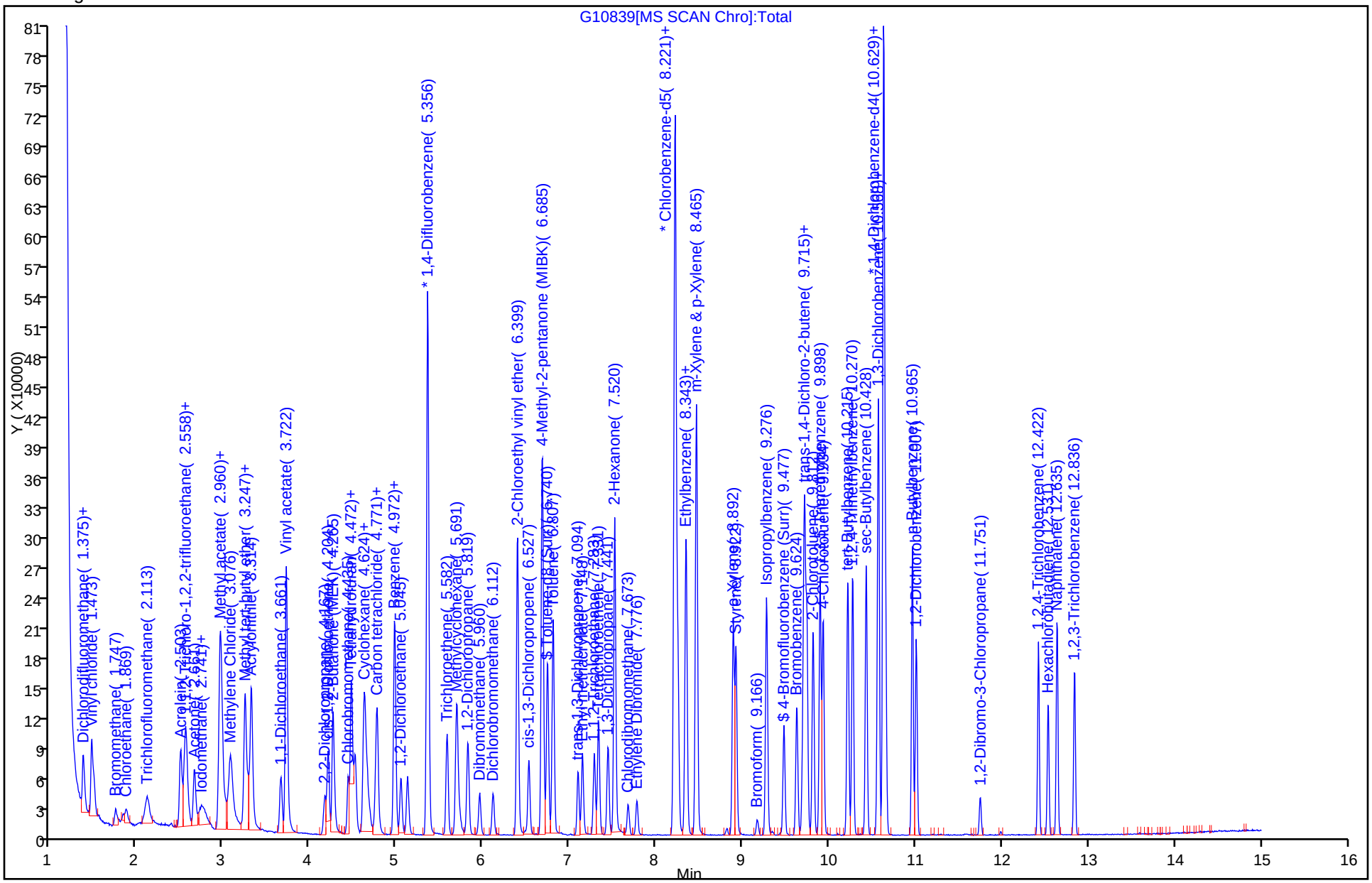
Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/L	Flags
121 Naphthalene	128	12.641	12.635	0.006	97	152889	5.72	
122 1,2,3-Trichlorobenzene	180	12.842	12.836	0.006	94	44730	6.40	
S 125 1,2-Dichloroethene, Total	1				0		10.9	
S 126 1,3-Dichloropropene, Total	1				0		8.33	
S 123 Total BTEX	1				0		32.8	
S 124 Xylenes, Total	1				0		16.4	

Report Date: 09-Apr-2012 23:01:57 Chrom Revision: 2.0 20-Feb-2012 13:27:02

Data File: \\Bufchrom\ChromData\HP5973G\20120409-10850.b\G10839.D

Injection Date:	09-Apr-2012 20:38:30	Limit Group:	MV - 8260B ICAL
Client ID:		Instrument ID:	HP5973G
Lims Batch ID:	58822	Lims Sample ID:	4
Operator ID:	RAL		
Column Type:	ZB-624	Column Dia:	0.25 mm

Y Scaling:



TestAmerica Laboratories
Target Compound Quantitation Report

Data File: \\Bufchrom\ChromData\HP5973G\20120409-10850.b\G10840.D
Lims ID: STD-3 Client ID:
Inject. Date: 09-Apr-2012 21:01:30 Dil. Factor: 1.0000
Sample Type: IC Calib Level: 3
Sample ID: STD-3
Misc. Info.: 480-0010850-005 =480-0010850-005
Operator: RAL Instrument ID: HP5973G
Vol. Injected: 1.0000 ALS Bottle#: 5
Lims Batch ID: 58822 Lims Sample ID: 5
Sublist: chrom-G-8260*sub1
Detector: MS SCAN

Method: \\Bufchrom\ChromData\HP5973G\20120409-10850.b\G-8260.m
Last Update: 09-Apr-2012 23:01:58 Calib Date: 09-Apr-2012 22:09:30
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\Bufchrom\ChromData\HP5973G\20120409-10850.b\G10843.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 22:59:03

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	438086	25.0	
* 2 Chlorobenzene-d5	82	8.221	8.221	0.0	87	211300	25.0	
* 3 1,4-Dichlorobenzene-d4	152	10.630	10.630	0.0	91	199078	25.0	
$ 4 1,2-Dichloroethane-d4 (Surr)	67	4.978	4.978	0.0	0	35095	10.9	
$ 5 Toluene-d8 (Surr)	98	6.746	6.740	0.006	85	235754	10.2	
$ 6 4-Bromofluorobenzene (Surr)	174	9.477	9.477	0.0	80	59714	10.4	
10 Dichlorodifluoromethane	85	1.247	1.247	0.0	85	71198	9.46	
12 Chloromethane	50	1.375	1.375	0.0	89	118983	10.0	
13 Vinyl chloride	62	1.479	1.485	-0.006	82	99008	9.67	
14 Bromomethane	94	1.747	1.747	0.0	91	17195	8.40	
15 Chloroethane	64	1.869	1.869	0.0	95	43260	8.85	
17 Trichlorofluoromethane	101	2.107	2.107	0.0	80	68515	8.29	
19 Acrolein	56	2.497	2.491	0.006	98	152499	194.9	
20 1,1-Dichloroethene	96	2.564	2.558	0.006	84	63354	9.77	
21 1,1,2-Trichloro-1,2,2-trifluoroe	101	2.546	2.558	-0.012	76	57648	10.1	
22 Acetone	43	2.655	2.655	0.0	99	173894	49.2	
23 Iodomethane	142	2.723	2.729	-0.006	100	58211	9.44	
24 Carbon disulfide	76	2.771	2.777	-0.006	99	145925	9.26	
28 Methyl acetate	43	2.942	2.936	0.006	98	126174	9.87	
27 Acetonitrile	40	2.960	2.960	0.0	99	383785	430.8	
29 Methylene Chloride	84	3.082	3.082	0.0	87	76799	9.69	
32 trans-1,2-Dichloroethene	96	3.241	3.241	0.0	89	70116	9.52	
31 Methyl tert-butyl ether	73	3.247	3.241	0.006	93	185060	10.1	
33 Acrylonitrile	53	3.320	3.314	0.006	100	232021	50.0	
36 1,1-Dichloroethane	63	3.661	3.655	0.006	86	117504	9.87	
38 Vinyl acetate	43	3.722	3.716	0.006	97	863066	53.7	
42 2,2-Dichloropropane	77	4.173	4.167	0.006	92	44533	9.88	
43 cis-1,2-Dichloroethene	96	4.210	4.204	0.006	69	64734	9.88	
44 2-Butanone (MEK)	43	4.259	4.253	0.006	98	346670	51.3	
48 Chlorobromomethane	128	4.436	4.436	0.0	85	25988	9.67	

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/L	Flags
49 Tetrahydrofuran	42	4.472	4.466	0.006	94	234436	49.1	
50 Chloroform	85	4.521	4.515	0.006	83	63155	9.71	
51 1,1,1-Trichloroethane	97	4.625	4.619	0.007	89	63394	9.69	
52 Cyclohexane	56	4.625	4.625	0.0	94	173218	10.2	
53 Carbon tetrachloride	117	4.753	4.753	0.0	78	56665	7.43	
54 1,1-Dichloropropene	75	4.771	4.771	0.0	92	91559	9.88	
56 Benzene	78	4.972	4.972	0.0	96	271085	10.1	
57 1,2-Dichloroethane	62	5.051	5.045	0.006	89	85860	9.91	
61 Trichloroethene	95	5.582	5.582	0.0	93	64096	9.80	
62 Methylcyclohexane	83	5.691	5.691	0.0	98	121325	10.1	
63 1,2-Dichloropropane	63	5.819	5.819	0.0	91	68005	9.84	
65 Dibromomethane	93	5.960	5.960	0.0	84	32054	9.98	
67 Dichlorobromomethane	83	6.112	6.112	0.0	91	53405	7.91	
70 2-Chloroethyl vinyl ether	63	6.399	6.393	0.006	91	258863	51.8	
72 cis-1,3-Dichloropropene	75	6.527	6.527	0.0	83	74828	8.08	
73 4-Methyl-2-pentanone (MIBK)	43	6.679	6.679	0.0	98	619688	53.4	
74 Toluene	92	6.807	6.807	0.0	97	169816	9.98	
76 trans-1,3-Dichloropropene	75	7.094	7.094	0.0	93	64327	7.90	
78 Ethyl methacrylate	69	7.148	7.148	0.0	94	82735	9.86	
79 1,1,2-Trichloroethane	83	7.283	7.283	0.0	94	42315	9.79	
80 Tetrachloroethene	166	7.331	7.331	0.0	81	63311	9.77	
81 1,3-Dichloropropane	76	7.441	7.441	0.0	98	94078	9.89	
82 2-Hexanone	43	7.520	7.514	0.006	99	488858	53.2	
83 Chlorodibromomethane	129	7.679	7.679	0.0	88	31738	9.54	
84 Ethylene Dibromide	107	7.776	7.776	0.0	96	50267	9.73	
86 Chlorobenzene	112	8.252	8.252	0.0	85	175484	9.85	
89 Ethylbenzene	91	8.343	8.343	0.0	99	324728	10.2	
88 1,1,1,2-Tetrachloroethane	131	8.349	8.349	0.0	82	41233	8.13	
90 m-Xylene & p-Xylene	106	8.465	8.465	0.0	99	253016	20.4	
91 o-Xylene	106	8.892	8.892	0.0	98	114644	9.88	
92 Styrene	104	8.923	8.923	0.0	95	186245	9.98	
93 Bromoform	173	9.172	9.172	0.0	94	15920	9.52	
95 Isopropylbenzene	105	9.276	9.276	0.0	96	323242	10.2	
97 Bromobenzene	156	9.630	9.630	0.0	98	65894	9.89	
98 1,1,2,2-Tetrachloroethane	83	9.697	9.697	0.0	71	79983	10.1	
101 N-Propylbenzene	91	9.715	9.715	0.0	99	399654	10.2	
99 1,2,3-Trichloropropane	110	9.727	9.727	0.0	75	27382	10.1	
100 trans-1,4-Dichloro-2-butene	53	9.739	9.746	-0.007	72	110611	36.0	
102 2-Chlorotoluene	126	9.819	9.819	0.0	96	74103	10.0	
104 1,3,5-Trimethylbenzene	105	9.898	9.898	0.0	92	273854	10.3	
105 4-Chlorotoluene	126	9.935	9.935	0.0	96	75741	9.81	
106 tert-Butylbenzene	134	10.215	10.215	0.0	93	59698	10.2	
107 1,2,4-Trimethylbenzene	105	10.270	10.270	0.0	97	275955	10.4	
109 sec-Butylbenzene	105	10.428	10.428	0.0	95	350505	10.3	
110 1,3-Dichlorobenzene	146	10.562	10.562	0.0	96	145573	10.2	
111 4-Isopropyltoluene	119	10.575	10.575	0.0	97	294240	10.5	
113 1,4-Dichlorobenzene	146	10.654	10.654	0.0	92	150659	10.2	
115 n-Butylbenzene	91	10.965	10.965	0.0	98	273964	10.4	
116 1,2-Dichlorobenzene	146	11.014	11.008	0.006	94	138691	10.4	
117 1,2-Dibromo-3-Chloropropane	75	11.751	11.745	0.006	65	15529	10.2	
119 1,2,4-Trichlorobenzene	180	12.422	12.422	0.0	93	91662	11.5	
120 Hexachlorobutadiene	225	12.538	12.532	0.006	91	37494	11.4	

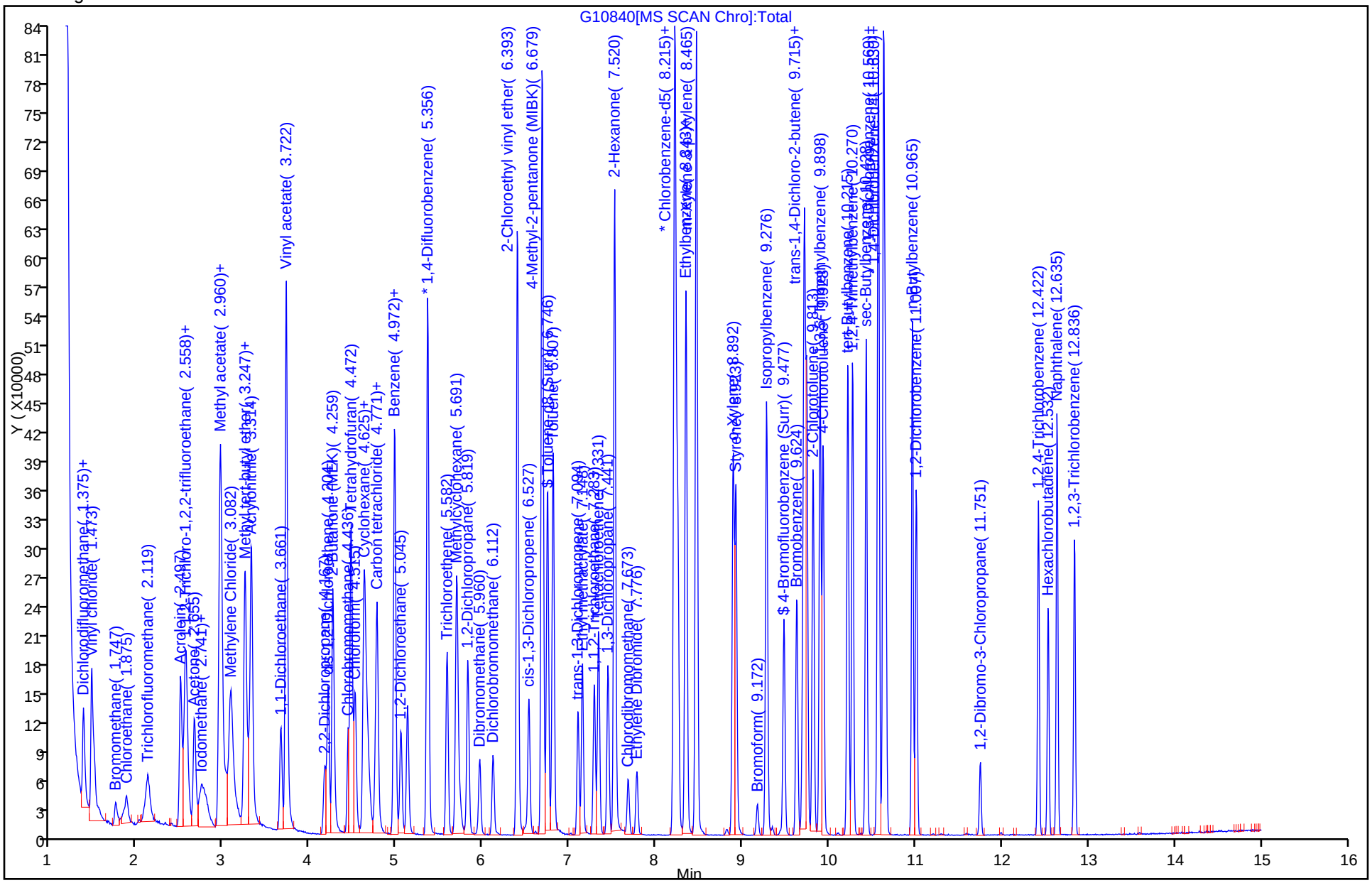
Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/L	Flags
121 Naphthalene	128	12.635	12.635	0.0	97	298682	11.1	
122 1,2,3-Trichlorobenzene	180	12.842	12.836	0.006	95	84339	12.0	
S 125 1,2-Dichloroethene, Total	1				0		19.4	
S 126 1,3-Dichloropropene, Total	1				0		16.0	
S 123 Total BTEX	1				0		60.5	
S 124 Xylenes, Total	1				0		30.2	

Report Date: 09-Apr-2012 23:01:58 Chrom Revision: 2.0 20-Feb-2012 13:27:02

Data File: \\Bufchrom\ChromData\HP5973G\20120409-10850.b\G10840.D

Injection Date:	09-Apr-2012 21:01:30	Limit Group:	MV - 8260B ICAL
Client ID:		Instrument ID:	HP5973G
Lims Batch ID:	58822	Lims Sample ID:	5
Operator ID:	RAL		
Column Type:	ZB-624	Column Dia:	0.25 mm

Y Scaling:



TestAmerica Laboratories
Target Compound Quantitation Report

Data File: \\Bufchrom\ChromData\HP5973G\20120409-10850.b\G10841.D
Lims ID: STD-4 Client ID:
Inject. Date: 09-Apr-2012 21:24:30 Dil. Factor: 1.0000
Sample Type: ICIS Calib Level: 4
Sample ID: STD-4
Misc. Info.: 480-0010850-006 =480-0010850-006
Operator: RAL Instrument ID: HP5973G
Vol. Injected: 1.0000 ALS Bottle#: 6
Lims Batch ID: 58822 Lims Sample ID: 6
Sublist: chrom-G-8260*sub1
Detector: MS SCAN

Method: \\Bufchrom\ChromData\HP5973G\20120409-10850.b\G-8260.m
Last Update: 09-Apr-2012 23:02:00 Calib Date: 09-Apr-2012 22:09:30
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\Bufchrom\ChromData\HP5973G\20120409-10850.b\G10843.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 22:59:48

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	477688	25.0	
* 2 Chlorobenzene-d5	82	8.221	8.221	0.0	87	233710	25.0	
* 3 1,4-Dichlorobenzene-d4	152	10.630	10.630	0.0	77	221557	25.0	
$ 4 1,2-Dichloroethane-d4 (Surr)	67	4.978	4.978	0.0	0	88664	25.3	
$ 5 Toluene-d8 (Surr)	98	6.740	6.740	0.0	92	643696	25.2	
$ 6 4-Bromofluorobenzene (Surr)	174	9.477	9.477	0.0	83	166435	26.1	
10 Dichlorodifluoromethane	85	1.247	1.247	0.0	87	199962	24.4	
12 Chloromethane	50	1.375	1.375	0.0	89	325365	25.1	
13 Vinyl chloride	62	1.485	1.485	0.0	83	285402	25.6	
14 Bromomethane	94	1.747	1.747	0.0	89	53344	25.2	
15 Chloroethane	64	1.869	1.869	0.0	93	136803	25.7	
17 Trichlorofluoromethane	101	2.107	2.107	0.0	83	213616	23.7	M
19 Acrolein	56	2.491	2.491	0.0	98	425713	498.9	
20 1,1-Dichloroethene	96	2.558	2.558	0.0	83	175347	24.8	
21 1,1,2-Trichloro-1,2,2-trifluoroe	101	2.558	2.558	0.0	81	154686	24.9	
22 Acetone	43	2.655	2.655	0.0	99	479478	124.5	
23 Iodomethane	142	2.729	2.729	0.0	98	171081	25.4	
24 Carbon disulfide	76	2.777	2.777	0.0	100	434388	25.3	
28 Methyl acetate	43	2.936	2.936	0.0	98	342306	24.6	
27 Acetonitrile	40	2.960	2.960	0.0	99	1018216	1048.1	
29 Methylene Chloride	84	3.082	3.082	0.0	87	225813	26.1	
32 trans-1,2-Dichloroethene	96	3.241	3.241	0.0	91	208674	26.0	
31 Methyl tert-butyl ether	73	3.241	3.241	0.0	93	497064	24.8	
33 Acrylonitrile	53	3.314	3.314	0.0	99	636577	125.9	
36 1,1-Dichloroethane	63	3.655	3.655	0.0	85	351238	27.1	
38 Vinyl acetate	43	3.716	3.716	0.0	97	2382781	136.1	
42 2,2-Dichloropropane	77	4.167	4.167	0.0	91	128209	26.1	
43 cis-1,2-Dichloroethene	96	4.204	4.204	0.0	71	189357	26.5	
44 2-Butanone (MEK)	43	4.253	4.253	0.0	98	929873	126.2	
48 Chlorobromomethane	128	4.436	4.436	0.0	85	76320	26.1	

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/L	Flags
49 Tetrahydrofuran	42	4.466	4.466	0.0	94	640330	122.9	
50 Chloroform	85	4.515	4.515	0.0	82	187820	26.5	
51 1,1,1-Trichloroethane	97	4.619	4.619	0.0	91	185524	26.0	
52 Cyclohexane	56	4.625	4.625	0.0	94	453718	24.5	
53 Carbon tetrachloride	117	4.753	4.753	0.0	78	180823	21.8	
54 1,1-Dichloropropene	75	4.771	4.771	0.0	92	266868	26.4	
56 Benzene	78	4.972	4.972	0.0	98	774754	26.6	
57 1,2-Dichloroethane	62	5.045	5.045	0.0	90	242725	25.7	
61 Trichloroethene	95	5.582	5.582	0.0	94	186302	26.1	
62 Methylcyclohexane	83	5.691	5.691	0.0	97	320428	24.4	
63 1,2-Dichloropropane	63	5.819	5.819	0.0	92	200208	26.6	
65 Dibromomethane	93	5.960	5.960	0.0	87	92653	26.5	
67 Dichlorobromomethane	83	6.112	6.112	0.0	92	175138	23.8	
70 2-Chloroethyl vinyl ether	63	6.393	6.393	0.0	90	718791	131.8	
72 cis-1,3-Dichloropropene	75	6.527	6.527	0.0	85	240570	23.8	
73 4-Methyl-2-pentanone (MIBK)	43	6.679	6.679	0.0	98	1692586	131.8	
74 Toluene	92	6.807	6.807	0.0	98	493827	26.2	
76 trans-1,3-Dichloropropene	75	7.094	7.094	0.0	94	212667	23.6	
78 Ethyl methacrylate	69	7.148	7.148	0.0	94	242303	26.1	
79 1,1,2-Trichloroethane	83	7.283	7.283	0.0	88	124587	26.1	
80 Tetrachloroethene	166	7.331	7.331	0.0	83	185032	25.8	
81 1,3-Dichloropropane	76	7.441	7.441	0.0	98	273873	26.0	
82 2-Hexanone	43	7.514	7.514	0.0	98	1325004	130.4	
83 Chlorodibromomethane	129	7.679	7.679	0.0	88	103995	26.1	
84 Ethylene Dibromide	107	7.776	7.776	0.0	98	149366	26.1	
86 Chlorobenzene	112	8.252	8.252	0.0	90	510837	25.9	
89 Ethylbenzene	91	8.343	8.343	0.0	99	941455	26.7	
88 1,1,1,2-Tetrachloroethane	131	8.349	8.349	0.0	86	132485	23.6	
90 m-Xylene & p-Xylene	106	8.465	8.465	0.0	99	727107	52.9	
91 o-Xylene	106	8.892	8.892	0.0	98	341873	26.6	
92 Styrene	104	8.923	8.923	0.0	95	557203	27.0	
93 Bromoform	173	9.172	9.172	0.0	94	55603	26.2	
95 Isopropylbenzene	105	9.276	9.276	0.0	97	942860	26.8	
97 Bromobenzene	156	9.630	9.630	0.0	98	195282	26.3	
98 1,1,2,2-Tetrachloroethane	83	9.697	9.697	0.0	67	237281	26.9	
101 N-Propylbenzene	91	9.715	9.715	0.0	99	1176132	27.1	
99 1,2,3-Trichloropropane	110	9.727	9.727	0.0	81	79004	26.3	
100 trans-1,4-Dichloro-2-butene	53	9.746	9.746	0.0	75	357677	104.6	
102 2-Chlorotoluene	126	9.819	9.819	0.0	95	214477	26.1	
104 1,3,5-Trimethylbenzene	105	9.898	9.898	0.0	93	793536	26.8	
105 4-Chlorotoluene	126	9.935	9.935	0.0	96	227079	26.4	
106 tert-Butylbenzene	134	10.215	10.215	0.0	93	174118	26.6	
107 1,2,4-Trimethylbenzene	105	10.270	10.270	0.0	98	803710	27.2	
109 sec-Butylbenzene	105	10.428	10.428	0.0	95	1015935	26.9	
110 1,3-Dichlorobenzene	146	10.562	10.562	0.0	95	420537	26.4	
111 4-Isopropyltoluene	119	10.575	10.575	0.0	96	856455	27.4	
113 1,4-Dichlorobenzene	146	10.654	10.654	0.0	92	430406	26.1	
115 n-Butylbenzene	91	10.965	10.965	0.0	98	803047	27.3	
116 1,2-Dichlorobenzene	146	11.008	11.008	0.0	94	397673	26.7	
117 1,2-Dibromo-3-Chloropropane	75	11.745	11.745	0.0	75	47834	28.1	
119 1,2,4-Trichlorobenzene	180	12.422	12.422	0.0	93	238395	27.9	
120 Hexachlorobutadiene	225	12.532	12.532	0.0	94	93023	26.9	

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	792145	27.5	
122 1,2,3-Trichlorobenzene	180	12.836	12.836	0.0	94	206336	27.4	
S 125 1,2-Dichloroethene, Total	1				0		52.5	
S 126 1,3-Dichloropropene, Total	1				0		47.4	
S 123 Total BTEX	1				0		159.0	
S 124 Xylenes, Total	1				0		79.5	

QC Flag Legend

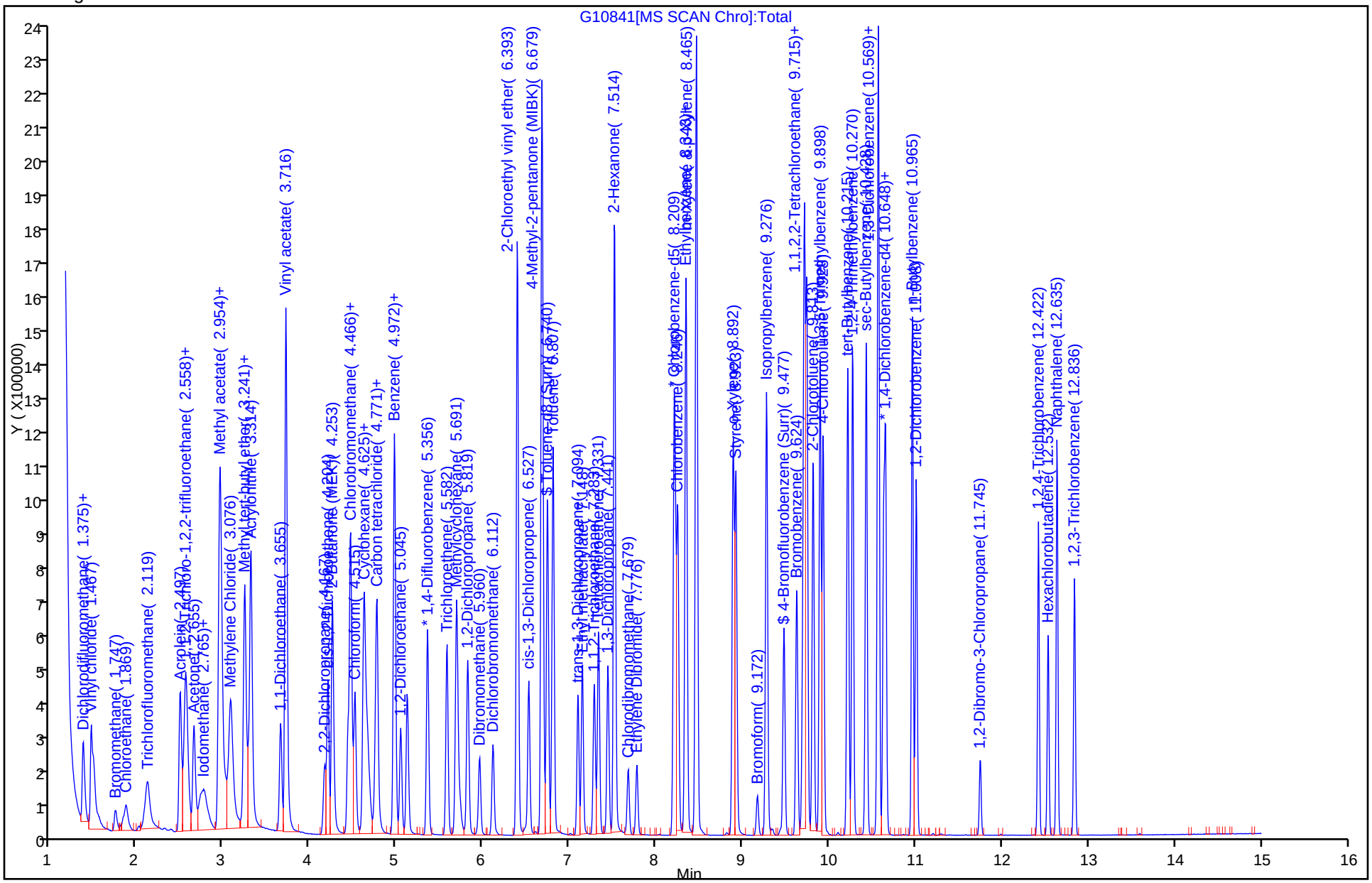
Review Flags
M - Manually Integrated

Report Date: 09-Apr-2012 23:02:00 Chrom Revision: 2.0 20-Feb-2012 13:27:02

Data File: \\Bufchrom\ChromData\HP5973G\20120409-10850.b\G10841.D

Injection Date:	09-Apr-2012 21:24:30	Limit Group:	MV - 8260B ICAL
Client ID:		Instrument ID:	HP5973G
Lims Batch ID:	58822	Lims Sample ID:	6
Operator ID:	RAL		
Column Type:	ZB-624	Column Dia:	0.25 mm

Y Scaling:



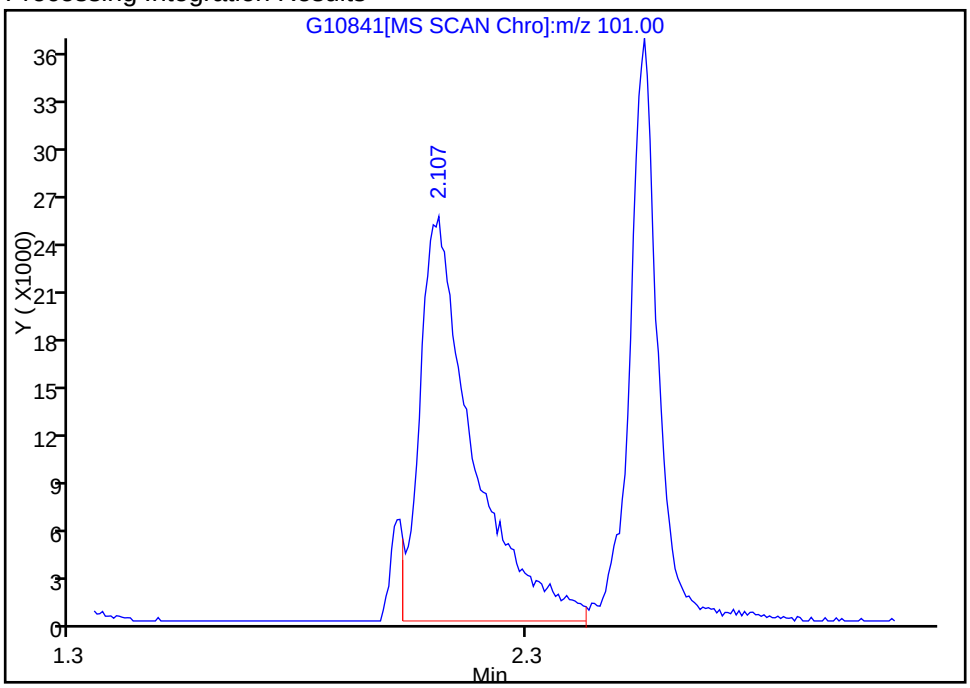
Manual Integration/User Assign Peak Report

Data File:	\\Bufchrom\ChromData\HP5973G\20120409-10850.b\G10841.D		
Injection Date:	09-Apr-2012 21:24:30	Limit Group:	MV - 8260B ICAL
Client ID:		Instrument ID:	HP5973G
Lims Batch ID:	58822	Lims Sample ID:	6
Operator ID:	RAL		
Column Type:	ZB-624	Column Dia:	0.25 mm

17 Trichlorofluoromethane, Signal: 1, m/z: 101.0 Type: quant, RT: 2.11

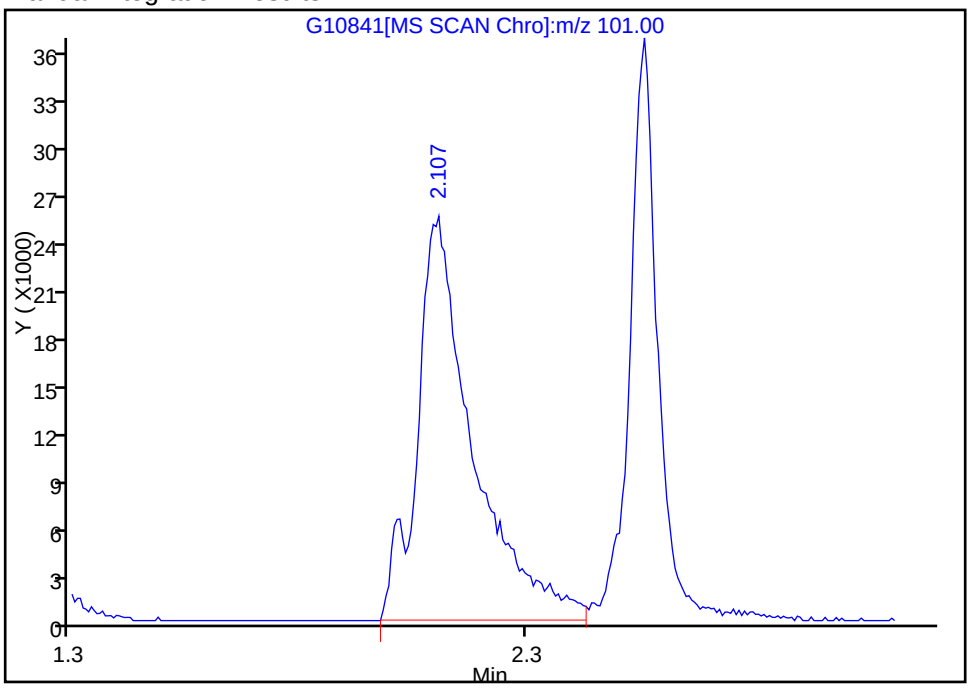
Processing Integration Results

RT: 2.11
Response: 204479
Amount: 22.822236



Manual Integration Results

RT: 2.11
Response: 213616
Amount: 23.715410



Reviewer: larsonr, 09-Apr-2012 22:54:53
Audit Action: Manually Integrated
Audit Reason: Split Peak

TestAmerica Laboratories
Target Compound Quantitation Report

Data File:	\\Bufchrom\ChromData\HP5973G\20120409-10850.b\G10842.D		
Lims ID:	STD-5	Client ID:	
Inject. Date:	09-Apr-2012 21:46:30	Dil. Factor:	1.0000
Sample Type:	IC	Calib Level:	5
Sample ID:	STD-5		
Misc. Info.:	480-0010850-007 =480-0010850-007		
Operator:	RAL	Instrument ID:	HP5973G
Vol. Injected:	1.0000	ALS Bottle#:	7
Lims Batch ID:	58822	Lims Sample ID:	7
Sublist:	chrom-G-8260*sub1		
Detector:	MS SCAN		
Method:	\\Bufchrom\ChromData\HP5973G\20120409-10850.b\G-8260.m		
Last Update:	09-Apr-2012 23:02:02	Calib Date:	09-Apr-2012 22:09:30
Quant Method:	Internal Standard	Quant By:	Initial Calibration
Last ICal File:	\\Bufchrom\ChromData\HP5973G\20120409-10850.b\G10843.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 22:59:52

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	469879	25.0	
* 2 Chlorobenzene-d5	82	8.221	8.221	0.0	86	229659	25.0	
* 3 1,4-Dichlorobenzene-d4	152	10.630	10.630	0.0	69	216653	25.0	
$ 4 1,2-Dichloroethane-d4 (Surr)	67	4.972	4.978	-0.006	0	174579	50.6	
$ 5 Toluene-d8 (Surr)	98	6.746	6.740	0.006	91	1206607	48.0	
$ 6 4-Bromofluorobenzene (Surr)	174	9.477	9.477	0.0	83	318976	50.9	
10 Dichlorodifluoromethane	85	1.241	1.247	-0.006	88	396137	49.1	
12 Chloromethane	50	1.375	1.375	0.0	89	613012	48.0	
13 Vinyl chloride	62	1.491	1.485	0.006	82	552409	50.3	
14 Bromomethane	94	1.753	1.747	0.006	90	95922	50.4	
15 Chloroethane	64	1.869	1.869	0.0	94	262589	50.1	
17 Trichlorofluoromethane	101	2.101	2.107	-0.006	97	422978	47.7	
19 Acrolein	56	2.497	2.491	0.006	98	815615	971.7	
20 1,1-Dichloroethene	96	2.570	2.558	0.012	85	342334	49.2	
21 1,1,2-Trichloro-1,2,2-trifluoroe	101	2.564	2.558	0.006	85	283590	46.4	
22 Acetone	43	2.655	2.655	0.0	100	907708	239.5	
23 Iodomethane	142	2.729	2.729	0.0	98	338095	51.1	
24 Carbon disulfide	76	2.777	2.777	0.0	100	886320	52.4	
28 Methyl acetate	43	2.942	2.936	0.006	99	636895	46.5	
27 Acetonitrile	40	2.960	2.960	0.0	99	1937014	2027.0	
29 Methylene Chloride	84	3.088	3.082	0.006	91	411735	48.4	
32 trans-1,2-Dichloroethene	96	3.247	3.241	0.006	89	383210	48.5	
31 Methyl tert-butyl ether	73	3.241	3.241	0.0	93	940175	47.6	
33 Acrylonitrile	53	3.314	3.314	0.0	100	1208787	243.0	
36 1,1-Dichloroethane	63	3.661	3.655	0.006	85	626311	49.0	
38 Vinyl acetate	43	3.716	3.716	0.0	97	4267594	247.8	
42 2,2-Dichloropropane	77	4.167	4.167	0.0	91	236770	49.0	
43 cis-1,2-Dichloroethene	96	4.204	4.204	0.0	72	345013	49.1	
44 2-Butanone (MEK)	43	4.253	4.253	0.0	98	1771221	244.3	
48 Chlorobromomethane	128	4.436	4.436	0.0	88	144990	50.3	

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/L	Flags
49 Tetrahydrofuran	42	4.466	4.466	0.0	94	1219531	238.0	
50 Chloroform	85	4.521	4.515	0.006	82	342196	49.1	
51 1,1,1-Trichloroethane	97	4.618	4.619	0.0	93	354987	50.6	
52 Cyclohexane	56	4.625	4.625	0.0	93	890133	48.9	
53 Carbon tetrachloride	117	4.753	4.753	0.0	78	365304	44.7	
54 1,1-Dichloropropene	75	4.771	4.771	0.0	90	490005	49.3	
56 Benzene	78	4.972	4.972	0.0	96	1405591	49.1	
57 1,2-Dichloroethane	62	5.045	5.045	0.0	90	443574	47.8	
61 Trichloroethene	95	5.582	5.582	0.0	94	347078	49.5	
62 Methylcyclohexane	83	5.691	5.691	0.0	97	639861	49.5	
63 1,2-Dichloropropane	63	5.819	5.819	0.0	92	369445	49.8	
65 Dibromomethane	93	5.960	5.960	0.0	86	173162	50.3	
67 Dichlorobromomethane	83	6.112	6.112	0.0	92	336087	46.4	
70 2-Chloroethyl vinyl ether	63	6.393	6.393	0.0	90	1354445	252.5	
72 cis-1,3-Dichloropropene	75	6.527	6.527	0.0	85	470321	47.4	
73 4-Methyl-2-pentanone (MIBK)	43	6.679	6.679	0.0	97	3091967	245.0	
74 Toluene	92	6.807	6.807	0.0	98	913059	49.4	
76 trans-1,3-Dichloropropene	75	7.094	7.094	0.0	94	416142	47.0	
78 Ethyl methacrylate	69	7.148	7.148	0.0	95	474080	52.0	
79 1,1,2-Trichloroethane	83	7.283	7.283	0.0	87	238887	50.9	
80 Tetrachloroethene	166	7.331	7.331	0.0	83	347793	49.4	
81 1,3-Dichloropropane	76	7.441	7.441	0.0	97	521678	50.4	
82 2-Hexanone	43	7.514	7.514	0.0	98	2480564	248.5	
83 Chlorodibromomethane	129	7.679	7.679	0.0	89	215471	49.5	
84 Ethylene Dibromide	107	7.776	7.776	0.0	98	284840	50.7	
86 Chlorobenzene	112	8.252	8.252	0.0	91	948169	49.0	
89 Ethylbenzene	91	8.343	8.343	0.0	99	1713305	49.4	
88 1,1,1,2-Tetrachloroethane	131	8.349	8.349	0.0	88	256508	46.6	
90 m-Xylene & p-Xylene	106	8.465	8.465	0.0	99	1330909	98.5	
91 o-Xylene	106	8.892	8.892	0.0	98	633476	50.2	
92 Styrene	104	8.923	8.923	0.0	95	1029331	50.7	
93 Bromoform	173	9.172	9.172	0.0	96	121656	49.4	
95 Isopropylbenzene	105	9.276	9.276	0.0	97	1720219	50.1	
97 Bromobenzene	156	9.630	9.630	0.0	98	356057	49.1	
98 1,1,2,2-Tetrachloroethane	83	9.697	9.697	0.0	71	434753	50.4	
101 N-Propylbenzene	91	9.715	9.715	0.0	99	2148420	50.6	
99 1,2,3-Trichloropropane	110	9.727	9.727	0.0	78	142124	48.4	
100 trans-1,4-Dichloro-2-butene	53	9.746	9.746	0.0	89	752081	225.0	
102 2-Chlorotoluene	126	9.819	9.819	0.0	95	396200	49.4	
104 1,3,5-Trimethylbenzene	105	9.898	9.898	0.0	94	1455773	50.3	
105 4-Chlorotoluene	126	9.935	9.935	0.0	89	419146	49.9	
106 tert-Butylbenzene	134	10.215	10.215	0.0	93	322390	50.4	
107 1,2,4-Trimethylbenzene	105	10.276	10.270	0.006	98	1437551	49.7	
109 sec-Butylbenzene	105	10.428	10.428	0.0	95	1825614	49.4	
110 1,3-Dichlorobenzene	146	10.562	10.562	0.0	95	758444	48.6	
111 4-Isopropyltoluene	119	10.575	10.575	0.0	96	1531019	50.0	
113 1,4-Dichlorobenzene	146	10.654	10.654	0.0	92	786219	48.7	
115 n-Butylbenzene	91	10.965	10.965	0.0	98	1427404	49.7	
116 1,2-Dichlorobenzene	146	11.007	11.008	-0.001	94	681510	46.8	
117 1,2-Dibromo-3-Chloropropane	75	11.751	11.745	0.006	78	81305	48.8	
119 1,2,4-Trichlorobenzene	180	12.422	12.422	0.0	93	373622	46.6	
120 Hexachlorobutadiene	225	12.538	12.532	0.006	95	147387	47.3	

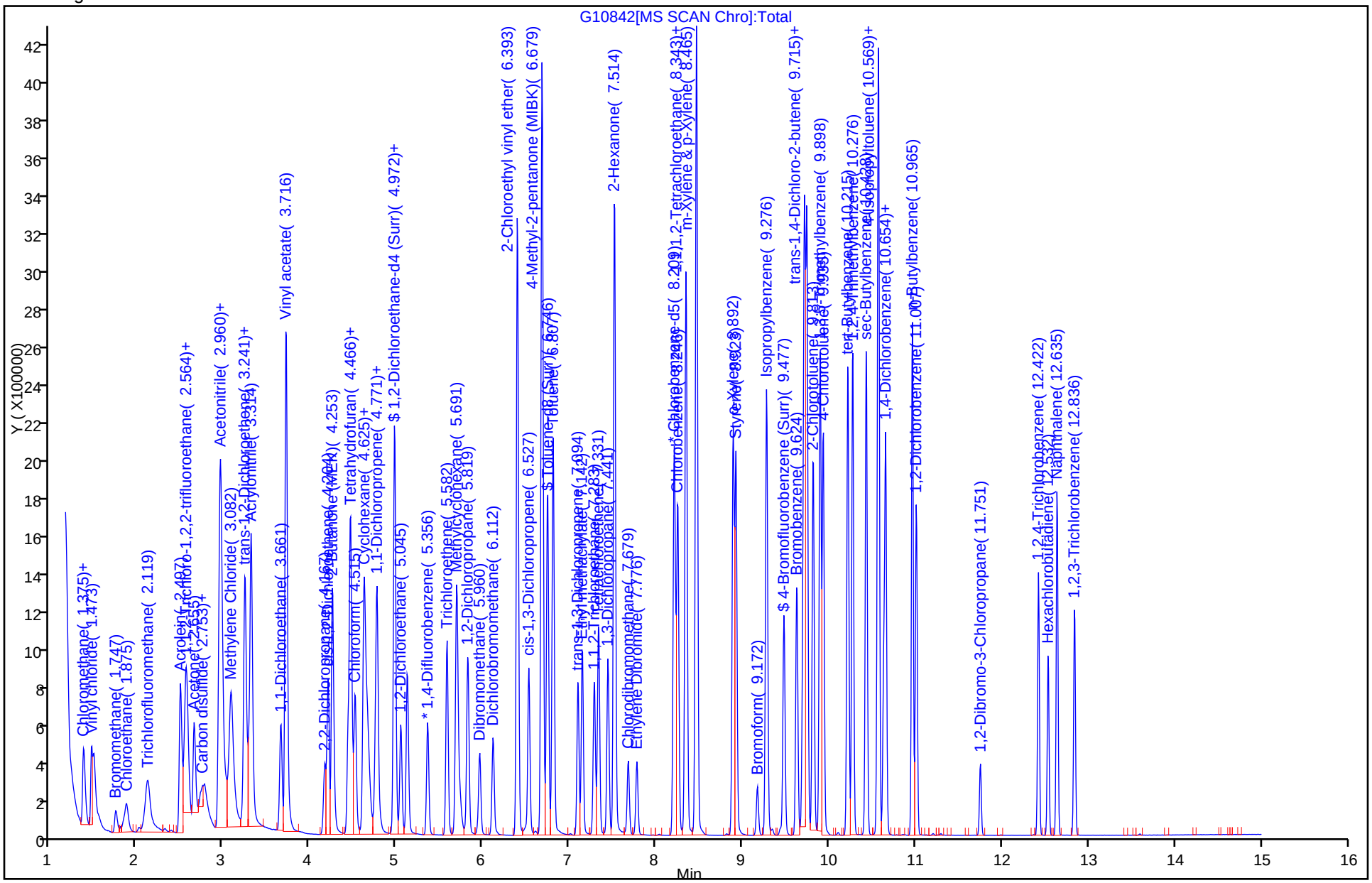
Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/L	Flags
121 Naphthalene	128	12.635	12.635	0.0	97	1266493	47.3	
122 1,2,3-Trichlorobenzene	180	12.842	12.836	0.006	93	326931	46.8	
S 125 1,2-Dichloroethene, Total	1				0		97.6	
S 126 1,3-Dichloropropene, Total	1				0		94.4	
S 123 Total BTEX	1				0		296.6	
S 124 Xylenes, Total	1				0		148.8	

Report Date: 09-Apr-2012 23:02:02 Chrom Revision: 2.0 20-Feb-2012 13:27:02

Data File: \\Bufchrom\ChromData\HP5973G\20120409-10850.b\G10842.D

Injection Date:	09-Apr-2012 21:46:30	Limit Group:	MV - 8260B ICAL
Client ID:		Instrument ID:	HP5973G
Lims Batch ID:	58822	Lims Sample ID:	7
Operator ID:	RAL		
Column Type:	ZB-624	Column Dia:	0.25 mm

Y Scaling:



TestAmerica Laboratories
Target Compound Quantitation Report

Data File:	\\Bufchrom\ChromData\HP5973G\20120409-10850.b\G10843.D		
Lims ID:	STD-6	Client ID:	
Inject. Date:	09-Apr-2012 22:09:30	Dil. Factor:	1.0000
Sample Type:	IC	Calib Level:	6
Sample ID:	STD-6		
Misc. Info.:	480-0010850-008 =480-0010850-008		
Operator:	RAL	Instrument ID:	HP5973G
Vol. Injected:	1.0000	ALS Bottle#:	8
Lims Batch ID:	58822	Lims Sample ID:	8
Sublist:	chrom-G-8260*sub1		
Detector:	MS SCAN		
Method:	\\Bufchrom\ChromData\HP5973G\20120409-10850.b\G-8260.m		
Last Update:	09-Apr-2012 23:09:52	Calib Date:	09-Apr-2012 22:09:30
Quant Method:	Internal Standard	Quant By:	Initial Calibration
Last ICal File:	\\Bufchrom\ChromData\HP5973G\20120409-10850.b\G10843.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 23:00:21

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/L	Flags
* 1 1,4-Difluorobenzene	114	5.362	5.356	0.006	96	496382	25.0	
* 2 Chlorobenzene-d5	82	8.222	8.221	0.001	69	246612	25.0	
* 3 1,4-Dichlorobenzene-d4	152	10.636	10.630	0.006	95	240294	25.0	
$ 4 1,2-Dichloroethane-d4 (Surr)	67	4.978	4.978	0.0	0	401832	110.2	
$ 5 Toluene-d8 (Surr)	98	6.746	6.740	0.006	91	2754461	102.1	
$ 6 4-Bromofluorobenzene (Surr)	174	9.477	9.477	0.0	83	772116	114.7	
10 Dichlorodifluoromethane	85	1.247	1.247	0.0	88	892101	104.6	
12 Chloromethane	50	1.381	1.375	0.006	89	1354164	100.5	
13 Vinyl chloride	62	1.497	1.485	0.012	83	1228843	105.9	
14 Bromomethane	94	1.753	1.747	0.006	91	164435	99.8	
15 Chloroethane	64	1.875	1.869	0.006	94	577264	104.2	
17 Trichlorofluoromethane	101	2.101	2.107	-0.006	86	989143	105.7	
19 Acrolein	56	2.497	2.491	0.006	98	1920826	2166.2	
20 1,1-Dichloroethene	96	2.570	2.558	0.012	86	789438	107.4	
21 1,1,2-Trichloro-1,2,2-trifluoroe	101	2.558	2.558	0.0	85	730113	113.0	
22 Acetone	43	2.656	2.655	0.001	100	2064809	515.8	
23 Iodomethane	142	2.735	2.729	0.006	98	773794	110.7	
24 Carbon disulfide	76	2.771	2.777	-0.006	100	2160403	121.0	
28 Methyl acetate	43	2.942	2.936	0.006	99	1512820	104.5	
27 Acetonitrile	40	2.966	2.960	0.006	100	4159464	4120.2	
29 Methylene Chloride	84	3.082	3.082	0.0	91	918507	102.3	
32 trans-1,2-Dichloroethene	96	3.247	3.241	0.006	93	869959	104.2	
31 Methyl tert-butyl ether	73	3.241	3.241	0.0	93	2201522	105.6	
33 Acrylonitrile	53	3.320	3.314	0.006	99	2719217	517.4	
36 1,1-Dichloroethane	63	3.661	3.655	0.006	85	1402451	104.0	
38 Vinyl acetate	43	3.722	3.716	0.006	98	8156453	448.3	
42 2,2-Dichloropropane	77	4.167	4.167	0.0	92	549030	107.5	
43 cis-1,2-Dichloroethene	96	4.210	4.204	0.006	72	784098	105.6	
44 2-Butanone (MEK)	43	4.253	4.253	0.0	99	3940700	514.6	
48 Chlorobromomethane	128	4.442	4.436	0.006	87	329854	108.4	

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/L	Flags
49 Tetrahydrofuran	42	4.466	4.466	0.0	93	2717115	502.0	
50 Chloroform	85	4.521	4.515	0.006	83	780715	105.9	
51 1,1,1-Trichloroethane	97	4.625	4.619	0.007	93	832365	112.3	
52 Cyclohexane	56	4.631	4.625	0.006	94	2133357	111.0	
53 Carbon tetrachloride	117	4.759	4.753	0.006	77	896293	103.8	
54 1,1-Dichloropropene	75	4.771	4.771	0.0	90	1117878	106.5	
56 Benzene	78	4.978	4.972	0.006	96	3095279	102.3	
57 1,2-Dichloroethane	62	5.051	5.045	0.006	90	1011946	103.1	
61 Trichloroethene	95	5.582	5.582	0.0	94	783953	105.8	
62 Methylcyclohexane	83	5.698	5.691	0.007	97	1548708	113.4	
63 1,2-Dichloropropane	63	5.826	5.819	0.007	93	845378	107.9	
65 Dibromomethane	93	5.960	5.960	0.0	91	402589	110.7	
67 Dichlorobromomethane	83	6.112	6.112	0.0	92	825374	107.9	
70 2-Chloroethyl vinyl ether	63	6.399	6.393	0.006	91	3090198	545.2	
72 cis-1,3-Dichloropropene	75	6.527	6.527	0.0	85	1119940	106.7	
73 4-Methyl-2-pentanone (MIBK)	43	6.679	6.679	0.0	94	6240415	460.5	
74 Toluene	92	6.813	6.807	0.006	98	2033187	102.4	
76 trans-1,3-Dichloropropene	75	7.094	7.094	0.0	94	1025518	107.9	
78 Ethyl methacrylate	69	7.149	7.148	0.001	94	1178643	120.3	
79 1,1,2-Trichloroethane	83	7.283	7.283	0.0	88	532371	105.6	
80 Tetrachloroethene	166	7.338	7.331	0.007	83	786463	104.0	
81 1,3-Dichloropropane	76	7.441	7.441	0.0	98	1179170	106.2	
82 2-Hexanone	43	7.520	7.514	0.006	94	5212288	486.3	
83 Chlorodibromomethane	129	7.679	7.679	0.0	89	569075	100.1	
84 Ethylene Dibromide	107	7.776	7.776	0.0	99	668808	110.9	
86 Chlorobenzene	112	8.252	8.252	0.0	84	2155179	103.7	
89 Ethylbenzene	91	8.343	8.343	0.0	98	3783367	101.5	
88 1,1,1,2-Tetrachloroethane	131	8.356	8.349	0.007	88	637335	107.7	
90 m-Xylene & p-Xylene	106	8.465	8.465	0.0	95	2970482	204.8	
91 o-Xylene	106	8.892	8.892	0.0	98	1457223	107.6	
92 Styrene	104	8.923	8.923	0.0	95	2384044	109.5	
93 Bromoform	173	9.173	9.172	0.001	96	351895	100.1	
95 Isopropylbenzene	105	9.276	9.276	0.0	97	3859945	101.3	
97 Bromobenzene	156	9.630	9.630	0.0	99	854892	106.3	
98 1,1,2,2-Tetrachloroethane	83	9.697	9.697	0.0	80	1036903	108.4	
101 N-Propylbenzene	91	9.715	9.715	0.0	97	4731839	100.5	
99 1,2,3-Trichloropropane	110	9.727	9.727	0.0	74	333962	102.6	
100 trans-1,4-Dichloro-2-butene	53	9.746	9.746	0.0	90	1925533	519.4	
102 2-Chlorotoluene	126	9.819	9.819	0.0	96	947203	106.4	
104 1,3,5-Trimethylbenzene	105	9.898	9.898	0.0	94	3292477	102.5	
105 4-Chlorotoluene	126	9.935	9.935	0.0	95	996934	107.0	
106 tert-Butylbenzene	134	10.221	10.215	0.006	93	744127	104.9	
107 1,2,4-Trimethylbenzene	105	10.276	10.270	0.006	98	3239650	100.9	
109 sec-Butylbenzene	105	10.435	10.428	0.006	95	3990254	97.4	
110 1,3-Dichlorobenzene	146	10.569	10.562	0.007	95	1718028	99.3	
111 4-Isopropyltoluene	119	10.575	10.575	0.0	95	3294639	97.1	
113 1,4-Dichlorobenzene	146	10.654	10.654	0.0	92	1815513	101.3	
115 n-Butylbenzene	91	10.965	10.965	0.0	96	3080338	96.6	
116 1,2-Dichlorobenzene	146	11.008	11.008	0.0	94	1523694	94.3	
117 1,2-Dibromo-3-Chloropropane	75	11.751	11.745	0.006	81	176705	95.7	
119 1,2,4-Trichlorobenzene	180	12.422	12.422	0.0	93	784168	100.8	
120 Hexachlorobutadiene	225	12.538	12.532	0.006	94	271418	101.1	

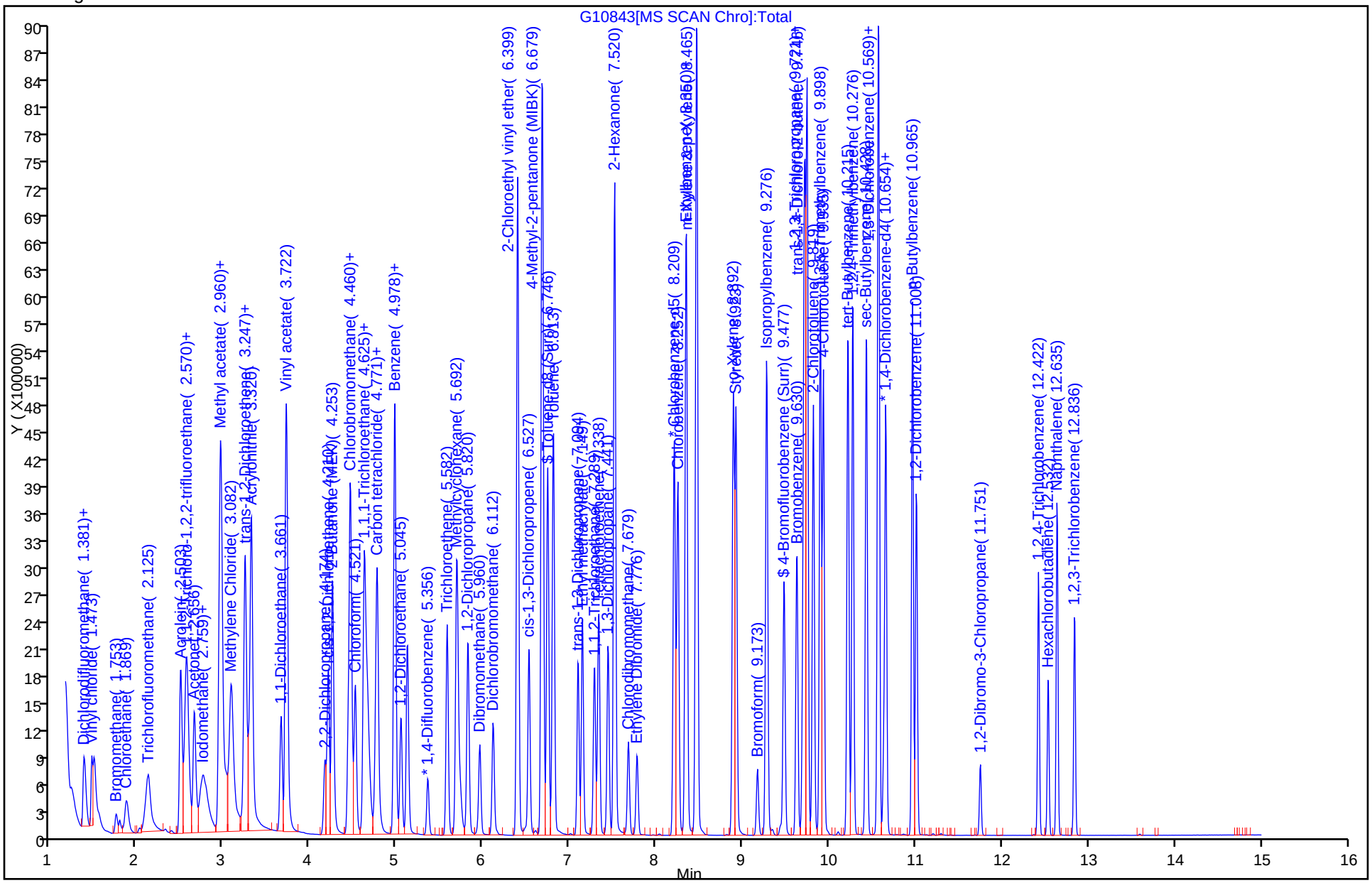
Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/L	Flags
121 Naphthalene	128	12.635	12.635	0.0	98	2568065	100.7	
122 1,2,3-Trichlorobenzene	180	12.843	12.836	0.007	94	664204	100.9	
S 125 1,2-Dichloroethene, Total	1				0		209.9	
S 126 1,3-Dichloropropene, Total	1				0		214.7	
S 123 Total BTEX	1				0		618.6	
S 124 Xylenes, Total	1				0		312.4	

Report Date: 09-Apr-2012 23:09:52 Chrom Revision: 2.0 20-Feb-2012 13:27:02

Data File: \\Bufchrom\ChromData\HP5973G\20120409-10850.b\G10843.D

Injection Date:	09-Apr-2012 22:09:30	Limit Group:	MV - 8260B ICAL
Client ID:		Instrument ID:	HP5973G
Lims Batch ID:	58822	Lims Sample ID:	8
Operator ID:	RAL		
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.: 480-18292-1 Analy Batch No.: 58822

SDG No.:

Instrument ID: HP5973G GC Column: ZB-624 (60) ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 04/09/2012 23:46 Calibration End Date: 04/10/2012 01:42 Calibration ID: 7322

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	STD 480-58822/10	G10845.D
Level 2	STD 480-58822/11	G10846.D
Level 3	STD 480-58822/12	G10847.D
Level 4	STD 480-58822/13	G10848.D
Level 5	STD 480-58822/14	G10849.D
Level 6	STD 480-58822/15	G10850.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	0.2792 0.6772	0.4117	0.4547	0.4976	0.6053	LinF		0.6529							0.9910		0.9900
Dichlorofluoromethane	0.2923 0.6082	0.4376	0.4779	0.4744	0.5693	LinF		0.5932							0.9950		0.9900
Ethyl ether	0.3047 0.3254	0.3418	0.3621	0.3407	0.3402	Ave		0.3358				5.7		15.0			
Propene oxide	0.1215 0.1271	0.1223	0.1331	0.1302	0.1334	Ave		0.1279				4.1		15.0			
Isopropyl alcohol	0.0661 0.0631	0.0618	0.0656	0.0623	0.0667	Ave		0.0643				3.3		15.0			
Allyl chloride	0.3308 0.2513	0.3267	0.3775	0.3059	0.2831	Ave		0.3126				14.0		15.0			
t-Butyl alcohol	0.0867 0.1038	0.0899	0.0966	0.0940	0.1028	Ave		0.0956				7.2		15.0			
Hexane	0.6126 0.8734	0.7222	0.8157	0.7893	0.8527	Ave		0.7776				12.0		15.0			
Isopropyl ether	1.3833 1.6532	1.5029	1.6362	1.6165	1.7066	Ave		1.5831				7.5		15.0			
Chloroprene	0.5294 0.8434	0.7041	0.8020	0.7984	0.8367	Lin1F		0.8283							0.9980		0.9900
1,1-Dimethoxyethane	0.0920 0.1171	0.0921	0.1073	0.1091	0.1159	Ave		0.1056				11.0		15.0			
Tert-butyl ethyl ether	1.1236 1.3424	1.1275	1.2913	1.2785	1.3612	Ave		1.2541				8.3		15.0			
Ethyl acetate	0.6345 0.7357	0.6592	0.7061	0.6939	0.7429	Ave		0.6954				6.1		15.0			
Propionitrile	0.1144 0.1265	0.1177	0.1251	0.1205	0.1288	Ave		0.1222				4.5		15.0			
Methacrylonitrile	0.4492 0.4200	0.4083	0.4137	0.4045	0.4265	Ave		0.4204				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.: 480-18292-1 Analy Batch No.: 58822

SDG No.:

Instrument ID: HP5973G GC Column: ZB-624 (60) ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 04/09/2012 23:46 Calibration End Date: 04/10/2012 01:42 Calibration ID: 7322

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	0.0498 0.0604	0.0540	0.0586	0.0576	0.0638	Ave		0.0574				8.6		15.0			
Tert-amyl methyl ether	0.8531 1.0700	0.9376	1.0339	1.0302	1.1047	Ave		1.0049				9.3		15.0			
n-Heptane	0.6729 0.8810	0.7214	0.8118	0.8101	0.8522	Ave		0.7916				10.0		15.0			
n-Butanol	0.0213 0.0299	0.0238	0.0250	0.0258	0.0303	Ave		0.0260				13.0		15.0			
Methyl methacrylate	0.4518 0.5492	0.4599	0.5243	0.5362	0.5534	Ave		0.5125				8.8		15.0			
1,4-Dioxane	0.0118 0.0133	0.0126	0.0125	0.0114	0.0125	Ave		0.0124				5.6		15.0			
2-Nitropropane	0.1501 0.3027	0.1511	0.1637	0.1986	0.2530	QuaF		0.1845	0.0002						0.9990		0.9900
Epichlorohydrin	0.0725 0.0862	0.0762	0.0860	0.0867	0.0916	Ave		0.0832				8.7		15.0			
2-Methylthiophene	2.2744 2.6642	2.3071	2.5493	2.5794	2.6741	Ave		2.5081				7.0		15.0			
3-Methylthiophene	2.3213 2.7727	2.4222	2.7431	2.6435	2.7293	Ave		2.6054				7.2		15.0			
3-Chlorobenzotrifluoride	1.0316 1.2971	1.0884	1.2216	1.1917	1.2525	Ave		1.1805				8.6		15.0			
p-Monochlorobenzotrifluoride	0.9424 1.2968	1.0874	1.2256	1.1983	1.2641	Ave		1.1691				11.0		15.0			
2-Chlorobenzotrifluoride	1.0726 1.2901	1.0526	1.1967	1.1866	1.2600	Ave		1.1764				8.2		15.0			
Cyclohexanone	0.0773 0.0855	0.0731	0.0726	0.0729	0.0853	Ave		0.0778				7.9		15.0			
3-Chlorotoluene	0.8625 1.0750	0.8692	1.0004	1.0019	1.0716	Ave		0.9801				9.6		15.0			
Pentachloroethane	0.2241 0.3720	0.2624	0.3004	0.2920	0.3459	Lin1F		0.3473							0.9900		0.9900
Dicyclopentadiene	3.8557 4.6798	4.0077	4.5406	4.5733	4.8703	Ave		4.4212				9.0		15.0			
1,2,3-Trimethylbenzene	3.0791 3.6179	3.2700	3.7221	3.7084	3.8256	Ave		3.5372				8.3		15.0			
1,3,5-Trichlorobenzene	1.1619 1.3521	1.2222	1.3977	1.3866	1.4633	Ave		1.3306				8.6		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.: 480-18292-1 Analy Batch No.: 58822

SDG No.:

Instrument ID: HP5973G GC Column: ZB-624 (60) ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 04/09/2012 23:46 Calibration End Date: 04/10/2012 01:42 Calibration ID: 7322

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	STD 480-58822/10	G10845.D
Level 2	STD 480-58822/11	G10846.D
Level 3	STD 480-58822/12	G10847.D
Level 4	STD 480-58822/13	G10848.D
Level 5	STD 480-58822/14	G10849.D
Level 6	STD 480-58822/15	G10850.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	LinF	5014 1283819	37237	81977	230978	564615	1.00 100	5.00	10.0	25.0	50.0
Dichlorofluoromethane	DFB	LinF	5249 1153059	39579	86159	220192	530960	1.00 100	5.00	10.0	25.0	50.0
Ethyl ether	DFB	Ave	5472 616998	30913	65279	158152	317333	1.00 100	5.00	10.0	25.0	50.0
Propene oxide	DFB	Ave	10908 1205205	55323	119998	302181	621986	5.00 500	25.0	50.0	125	250
Isopropyl alcohol	DFB	Ave	23727 2392517	111841	236705	578245	1243608	20.0 2000	100	200	500	1000
Allyl chloride	DFB	Ave	5941 476341	29549	68054	142013	264013	1.00 100	5.00	10.0	25.0	50.0
t-Butyl alcohol	DFB	Ave	31146 3936522	162572	348135	872272	1917810	20.0 2000	100	200	500	1000
Hexane	DFB	Ave	11000 1655752	65318	147045	366377	795344	1.00 100	5.00	10.0	25.0	50.0
Isopropyl ether	DFB	Ave	24841 3134227	135919	294972	750316	1591781	1.00 100	5.00	10.0	25.0	50.0
Chloroprene	DFB	Lin1F	9507 1599012	63679	144579	370611	780406	1.00 100	5.00	10.0	25.0	50.0
1,1-Dimethoxyethane	DFB	Ave	8259 1109702	41663	96754	253315	540550	5.00 500	25.0	50.0	125	250
Tert-butyl ethyl ether	DFB	Ave	20177 2545021	101975	232797	593452	1269610	1.00 100	5.00	10.0	25.0	50.0
Ethyl acetate	DFB	Ave	11394 1394864	59620	127298	322068	692953	1.00 100	5.00	10.0	25.0	50.0
Propionitrile	DFB	Ave	20543 2398562	106467	225485	559448	1201248	10.0 1000	50.0	100	250	500
Methacrylonitrile	DFB	Ave	8067 796296	36926	74575	187766	397777	1.00 100	5.00	10.0	25.0	50.0
Isobutyl alcohol	DFB	Ave	35738 4582068	195334	422477	1069816	2379144	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.: 480-18292-1 Analy Batch No.: 58822

SDG No.:

Instrument ID: HP5973G GC Column: ZB-624 (60) ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 04/09/2012 23:46 Calibration End Date: 04/10/2012 01:42 Calibration ID: 7322

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	15320 2028533	84799	186395	478213	1030369	1.00 100	5.00	10.0	25.0	50.0
n-Heptane	DFB	Ave	12083 1670242	65248	146343	376042	794829	1.00 100	5.00	10.0	25.0	50.0
n-Butanol	DFB	Ave	15302 2264060	86111	180420	478495	1131568	40.0 4000	200	400	1000	2000
Methyl methacrylate	DFB	Ave	8113 1041153	41590	94525	248867	516199	1.00 100	5.00	10.0	25.0	50.0
1,4-Dioxane	CBZ	Ave	4155 488398	22123	43709	100688	226387	40.0 4000	200	400	1000	2000
2-Nitropropane	DCB	QuaF	6045 1289381	30992	67903	211114	545288	5.00 500	25.0	50.0	125	250
Epichlorohydrin	DFB	Ave	26039 3267681	137787	310153	805040	1708730	20.0 2000	100	200	500	1000
2-Methylthiophene	DCB	Ave	18325 2269517	94631	211431	548378	1152508	1.00 100	5.00	10.0	25.0	50.0
3-Methylthiophene	DCB	Ave	18703 2361931	99354	227512	562010	1176292	1.00 100	5.00	10.0	25.0	50.0
3-Chlorobenzotrifluoride	DCB	Ave	8312 1104922	44645	101319	253349	539811	1.00 100	5.00	10.0	25.0	50.0
p-Monochlorobenzotrifluoride	DCB	Ave	7593 1104646	44603	101653	254762	544798	1.00 100	5.00	10.0	25.0	50.0
2-Chlorobenzotrifluoride	DCB	Ave	8642 1098936	43175	99251	252262	543052	1.00 100	5.00	10.0	25.0	50.0
Cyclohexanone	DCB	Ave	6226 727903	30000	60211	155018	367545	10.0 1000	50.0	100	250	500
3-Chlorotoluene	DCB	Ave	6949 915756	35653	82974	213008	461839	1.00 100	5.00	10.0	25.0	50.0
Pentachloroethane	DCB	Lin1F	1806 316890	10763	24913	62084	149065	1.00 100	5.00	10.0	25.0	50.0
Dicyclopentadiene	DCB	Ave	31066 3986418	164386	376588	972294	2099068	1.00 100	5.00	10.0	25.0	50.0
1,2,3-Trimethylbenzene	DCB	Ave	24809 3081905	134128	308707	788404	1648793	1.00 100	5.00	10.0	25.0	50.0
1,3,5-Trichlorobenzene	DCB	Ave	9362 1151799	50133	115919	294789	630664	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\20120409-10850.b\G10845.D		
Lims ID:	STD-7	Client ID:	
Inject. Date:	09-Apr-2012 23:46:30	Dil. Factor:	1.0000
Sample Type:	IC	Calib Level:	1
Sample ID:	STD-7		
Misc. Info.:	480-0010850-010 =480-0010850-010		
Operator:	RAL	Instrument ID:	HP5973G
Vol. Injected:	1.0000	ALS Bottle#:	10
Lims Batch ID:	58822	Lims Sample ID:	10
Sublist:	chrom-G-8260*sub9		
Detector:	MS SCAN		
Method:	\\Bufchrom\ChromData\HP5973G\20120409-10850.b\G-8260.m		
Last Update:	10-Apr-2012 08:36:25	Calib Date:	10-Apr-2012 01:42:30
Quant Method:	Internal Standard	Quant By:	Initial Calibration
Last ICal File:	\\Bufchrom\ChromData\HP5973G\20120409-10850.b\G10850.D		
Limit Group:	MV - 8260B ICAL		
Integrator:	RTE	ID Type:	Deconvolution ID
Process Host:	CORP-CTX-16		
First Level Reviewer: coderd		Date:	10-Apr-2012 08:36:25

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	448939	25.0	
* 2 Chlorobenzene-d5	82	8.221	8.221	0.0	87	220007	25.0	
* 3 1,4-Dichlorobenzene-d4	152	10.629	10.630	-0.001	97	201429	25.0	
11 Chlorodifluoromethane	51	1.284	1.278	0.006	40	5014	0.4276	
16 Dichlorofluoromethane	67	2.064	2.070	-0.006	45	5249	0.4927	
18 Ethyl ether	59	2.320	2.320	0.0	85	5472	0.9073	
68 Propene oxide	58	2.405	2.406	-0.001	92	10908	4.75	
25 Isopropyl alcohol	45	2.850	2.851	-0.001	84	23727	20.6	
26 3-Chloro-1-propene	41	2.875	2.875	0.0	44	5941	1.06	M
30 2-Methyl-2-propanol	59	3.222	3.222	0.0	94	31146	18.1	
34 Hexane	57	3.436	3.436	0.0	90	11000	0.7877	
37 Isopropyl ether	45	3.680	3.680	0.0	92	24841	0.8738	
39 2-Chloro-1,3-butadiene	53	3.716	3.716	0.0	63	9507	0.6391	
40 1,1-Dimethoxyethane	75	3.765	3.759	0.006	92	8259	4.36	
41 Tert-butyl ethyl ether	59	4.021	4.015	0.006	96	20177	0.8959	
45 Ethyl acetate	43	4.295	4.289	0.006	95	11394	0.9124	
46 Propionitrile	54	4.362	4.356	0.006	96	20543	9.36	
47 Methacrylonitrile	41	4.466	4.460	0.006	87	8067	1.07	
55 Isobutyl alcohol	43	5.021	5.021	0.0	91	35738	34.7	
58 Tert-amyl methyl ether	73	5.063	5.057	0.006	63	15320	0.8489	
59 n-Heptane	43	5.161	5.155	0.006	87	12083	0.8500	
60 n-Butanol	56	5.649	5.637	0.012	87	15302	32.8	
64 Methyl methacrylate	41	5.935	5.929	0.006	85	8113	0.8816	
66 1,4-Dioxane	88	5.990	5.978	0.012	73	4155	38.2	
69 2-Nitropropane	43	6.368	6.368	0.0	93	6045	4.05	
71 Epichlorohydrin	57	6.496	6.490	0.006	99	26039	17.4	
75 2-Methylthiophene	97	6.947	6.947	0.0	90	18325	0.9068	
77 3-Methylthiophene	97	7.112	7.112	0.0	91	18703	0.8910	
85 3-Chlorobenzotrifluoride	180	8.234	8.228	0.006	63	8312	0.8739	
87 4-Chlorobenzotrifluoride	180	8.294	8.289	0.006	77	7593	0.8061	

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/L	Flags
94 2-Chlorobenzotrifluoride	180	9.209	9.203	0.006	80	8642	0.9117	
96 Cyclohexanone	55	9.465	9.459	0.006	32	6226	9.94	
103 3-Chlorotoluene	126	9.886	9.886	0.0	93	6949	0.8800	
108 Pentachloroethane	167	10.276	10.276	0.0	47	1806	0.6454	
112 Dicyclopentadiene	66	10.629	10.630	-0.001	46	31066	0.8721	
114 1,2,3-Trimethylbenzene	105	10.684	10.684	0.0	91	24809	0.8705	
118 1,3,5-Trichlorobenzene	180	11.879	11.879	0.0	90	9362	0.8732	

QC Flag Legend

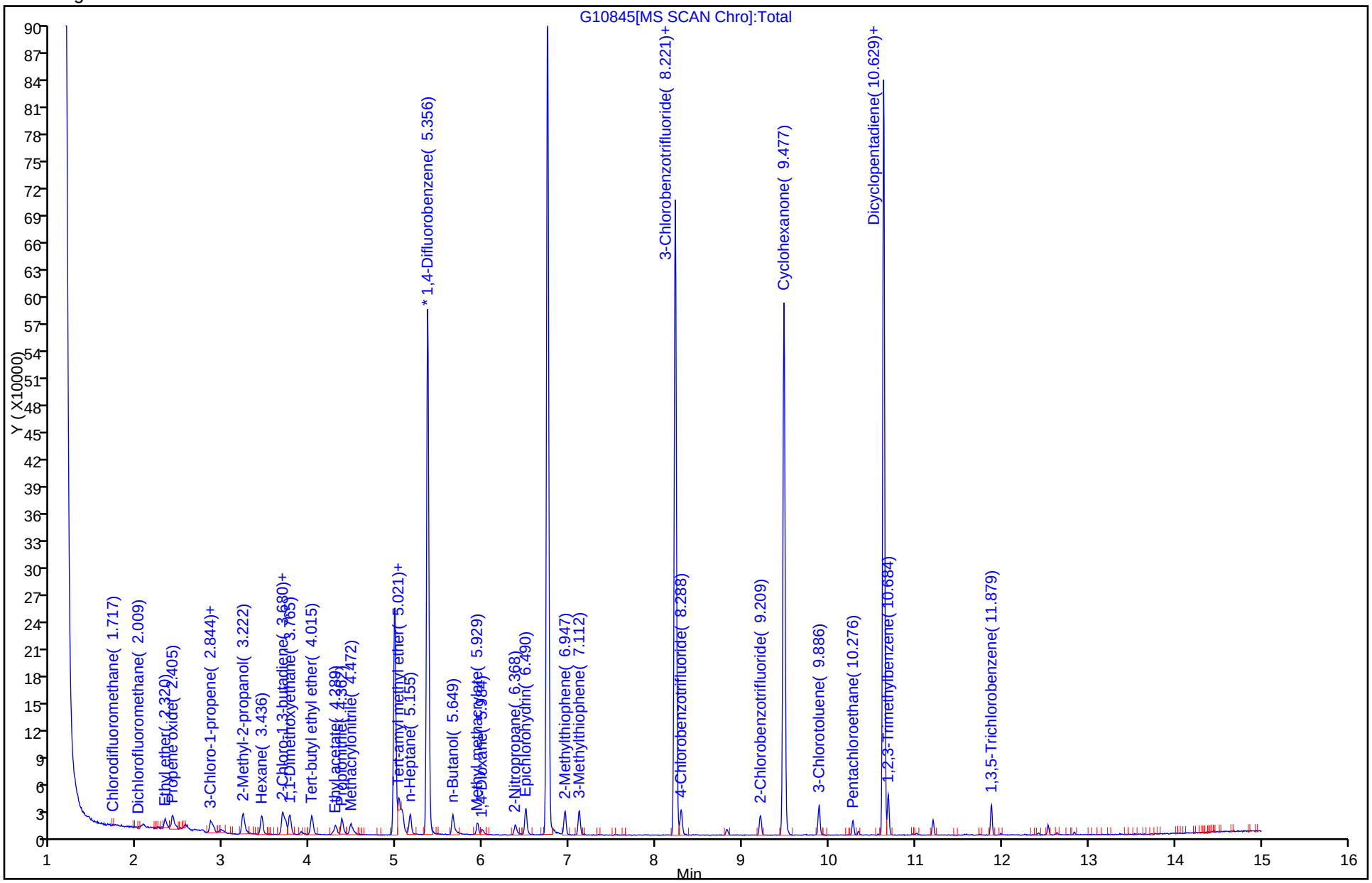
Review Flags
M - Manually Integrated

Report Date: 10-Apr-2012 08:36:25 Chrom Revision: 2.0 20-Feb-2012 13:27:02

Data File: \\Bufchrom\ChromData\HP5973G\20120409-10850.b\G10845.D

Injection Date:	09-Apr-2012 23:46:30	Limit Group:	MV - 8260B ICAL
Client ID:		Instrument ID:	HP5973G
Lims Batch ID:	58822	Lims Sample ID:	10
Operator ID:	RAL		
Column Type:	ZB-624	Column Dia:	0.25 mm

Y Scaling:



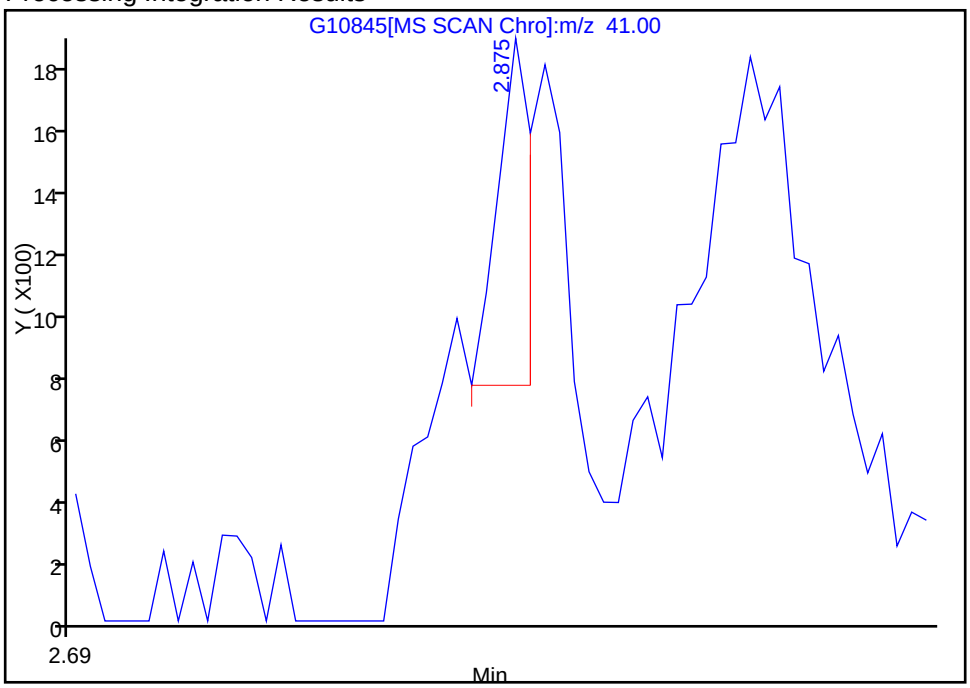
Manual Integration/User Assign Peak Report

Data File:	\\Bufchrom\ChromData\HP5973G\20120409-10850.b\G10845.D		
Injection Date:	09-Apr-2012 23:46:30	Limit Group:	MV - 8260B ICAL
Client ID:		Instrument ID:	HP5973G
Lims Batch ID:	58822	Lims Sample ID:	10
Operator ID:	RAL		
Column Type:	ZB-624	Column Dia:	0.25 mm

26 3-Chloro-1-propene, Signal: 1, m/z: 41.0 Type: quant, RT: 2.87

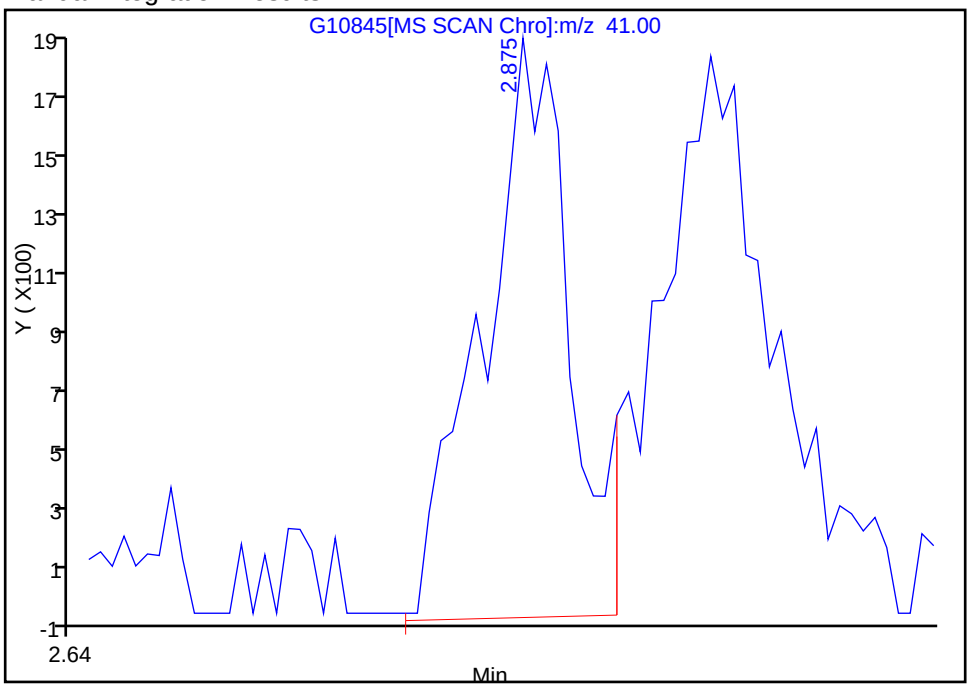
Processing Integration Results

RT: 2.87
Response: 1070
Amount: 0.183944



Manual Integration Results

RT: 2.87
Response: 5941
Amount: 1.058499



Reviewer: coderd, 10-Apr-2012 08:36:25
Audit Action: Manually Integrated
Audit Reason: Assign Peak

TestAmerica Laboratories
Target Compound Quantitation Report

Data File: \\Bufchrom\ChromData\HP5973G\20120409-10850.b\G10846.D
Lims ID: STD-8 Client ID:
Inject. Date: 10-Apr-2012 00:09:30 Dil. Factor: 1.0000
Sample Type: IC Calib Level: 2
Sample ID: STD-8
Misc. Info.: 480-0010850-011 =480-0010850-011
Operator: RAL Instrument ID: HP5973G
Vol. Injected: 1.0000 ALS Bottle#: 11
Lims Batch ID: 58822 Lims Sample ID: 11
Sublist: chrom-G-8260*sub9
Detector: MS SCAN

Method: \\Bufchrom\ChromData\HP5973G\20120409-10850.b\G-8260.m
Last Update: 10-Apr-2012 08:36:38 Calib Date: 10-Apr-2012 01:42:30
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\Bufchrom\ChromData\HP5973G\20120409-10850.b\G10850.D
Limit Group: MV - 8260B ICAL
Integrator: RTE ID Type: Deconvolution ID
Process Host: CORP-CTX-16

First Level Reviewer: coderd Date: 10-Apr-2012 08:36:38

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	452204	25.0	
* 2 Chlorobenzene-d5	82	8.222	8.221	0.001	90	218636	25.0	
* 3 1,4-Dichlorobenzene-d4	152	10.630	10.630	0.0	97	205089	25.0	
11 Chlorodifluoromethane	51	1.272	1.278	-0.006	71	37237	3.15	
16 Dichlorofluoromethane	67	2.076	2.070	0.006	93	39579	3.69	
18 Ethyl ether	59	2.326	2.320	0.006	96	30913	5.09	
68 Propene oxide	58	2.412	2.406	0.006	86	55323	23.9	
25 Isopropyl alcohol	45	2.851	2.851	0.0	97	111841	96.2	
26 3-Chloro-1-propene	41	2.887	2.875	0.012	79	29549	5.23	
30 2-Methyl-2-propanol	59	3.222	3.222	0.0	97	162572	94.0	
34 Hexane	57	3.442	3.436	0.006	95	65318	4.64	
37 Isopropyl ether	45	3.680	3.680	0.0	96	135919	4.75	
39 2-Chloro-1,3-butadiene	53	3.716	3.716	0.0	87	63679	4.25	
40 1,1-Dimethoxyethane	75	3.759	3.759	0.0	93	41663	21.8	
41 Tert-butyl ethyl ether	59	4.015	4.015	0.0	98	101975	4.50	
45 Ethyl acetate	43	4.289	4.289	0.0	98	59620	4.74	
46 Propionitrile	54	4.363	4.356	0.006	99	106467	48.2	
47 Methacrylonitrile	41	4.466	4.460	0.006	96	36926	4.86	
55 Isobutyl alcohol	43	5.027	5.021	0.006	93	195334	188.3	
58 Tert-amyl methyl ether	73	5.057	5.057	0.0	82	84799	4.67	
59 n-Heptane	43	5.155	5.155	0.0	97	65248	4.56	
60 n-Butanol	56	5.643	5.637	0.006	92	86111	183.0	
64 Methyl methacrylate	41	5.929	5.929	0.0	92	41590	4.49	
66 1,4-Dioxane	88	5.984	5.978	0.006	93	22123	204.6	
69 2-Nitropropane	43	6.368	6.368	0.0	99	30992	20.0	
71 Epichlorohydrin	57	6.490	6.490	0.0	98	137787	91.6	
75 2-Methylthiophene	97	6.947	6.947	0.0	98	94631	4.60	
77 3-Methylthiophene	97	7.112	7.112	0.0	100	99354	4.65	
85 3-Chlorobenzotrifluoride	180	8.228	8.228	0.0	88	44645	4.61	
87 4-Chlorobenzotrifluoride	180	8.289	8.289	0.001	96	44603	4.65	

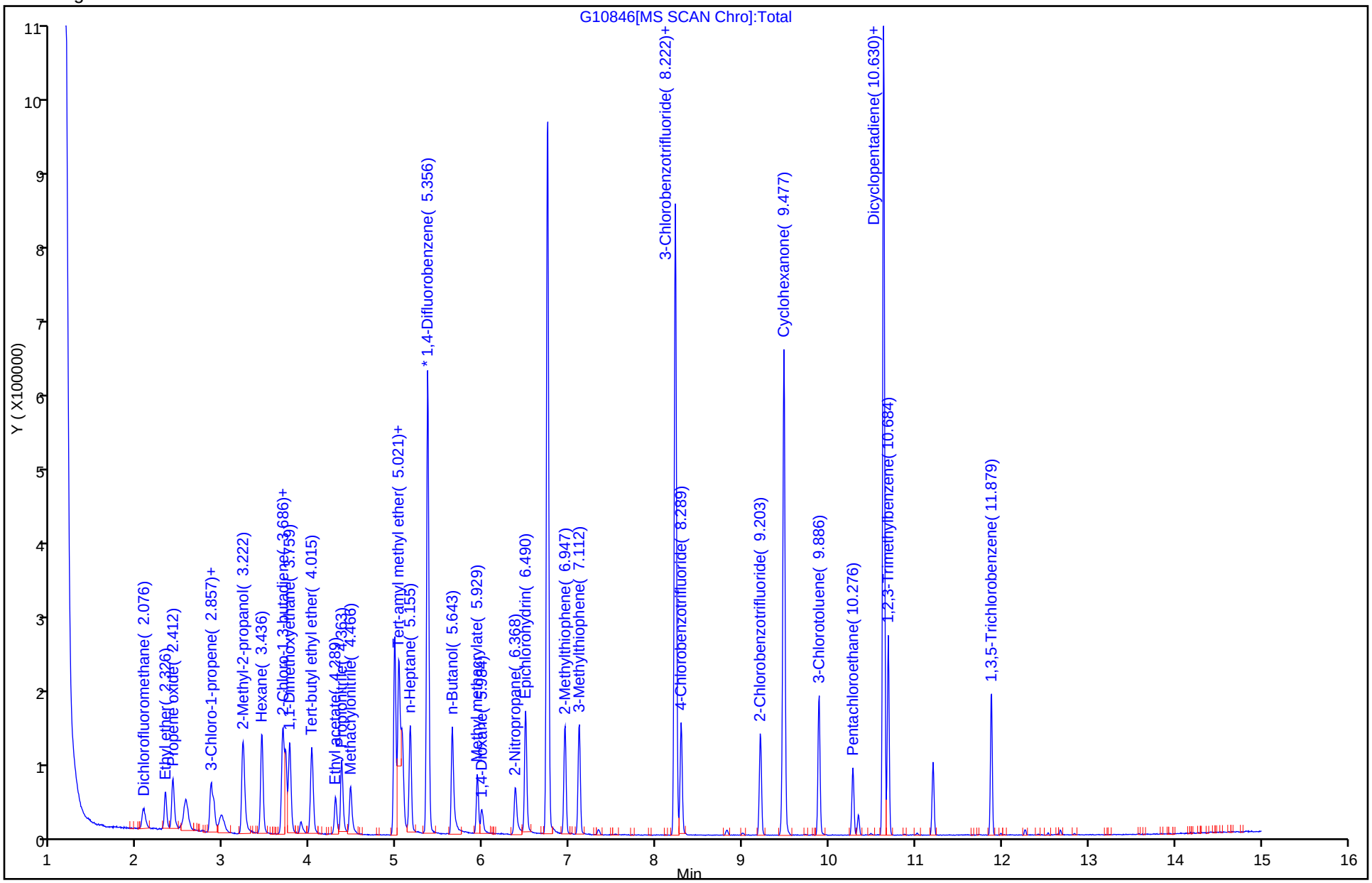
Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/L	Flags
94 2-Chlorobenzotrifluoride	180	9.203	9.203	0.0	92	43175	4.47	
96 Cyclohexanone	55	9.465	9.459	0.006	90	30000	47.0	
103 3-Chlorotoluene	126	9.886	9.886	0.0	98	35653	4.43	
108 Pentachloroethane	167	10.276	10.276	0.0	67	10763	3.78	
112 Dicyclopentadiene	66	10.630	10.630	0.0	67	164386	4.53	
114 1,2,3-Trimethylbenzene	105	10.684	10.684	0.0	97	134128	4.62	
118 1,3,5-Trichlorobenzene	180	11.879	11.879	0.0	95	50133	4.59	

Report Date: 10-Apr-2012 08:36:39 Chrom Revision: 2.0 20-Feb-2012 13:27:02

Data File: \\Bufchrom\ChromData\HP5973G\20120409-10850.b\G10846.D

Injection Date:	10-Apr-2012 00:09:30	Limit Group:	MV - 8260B ICAL
Client ID:		Instrument ID:	HP5973G
Lims Batch ID:	58822	Lims Sample ID:	11
Operator ID:	RAL		
Column Type:	ZB-624	Column Dia:	0.25 mm

Y Scaling:



TestAmerica Laboratories
Target Compound Quantitation Report

Data File:	\\Bufchrom\ChromData\HP5973G\20120409-10850.b\G10847.D		
Lims ID:	STD-9	Client ID:	
Inject. Date:	10-Apr-2012 00:33:30	Dil. Factor:	1.0000
Sample Type:	IC	Calib Level:	3
Sample ID:	STD-9		
Misc. Info.:	480-0010850-012 =480-0010850-012		
Operator:	RAL	Instrument ID:	HP5973G
Vol. Injected:	1.0000	ALS Bottle#:	12
Lims Batch ID:	58822	Lims Sample ID:	12
Sublist:	chrom-G-8260*sub9		
Detector:	MS SCAN		
Method:	\\Bufchrom\ChromData\HP5973G\20120409-10850.b\G-8260.m		
Last Update:	10-Apr-2012 08:36:57	Calib Date:	10-Apr-2012 01:42:30
Quant Method:	Internal Standard	Quant By:	Initial Calibration
Last ICal File:	\\Bufchrom\ChromData\HP5973G\20120409-10850.b\G10850.D		
Limit Group:	MV - 8260B ICAL		
Integrator:	RTE	ID Type:	Deconvolution ID
Process Host:	CORP-CTX-16		

First Level Reviewer: coderd Date: 10-Apr-2012 08:36:57

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	450697	25.0	
* 2 Chlorobenzene-d5	82	8.221	8.221	0.0	88	217914	25.0	
* 3 1,4-Dichlorobenzene-d4	152	10.629	10.630	-0.001	97	207346	25.0	
11 Chlorodifluoromethane	51	1.271	1.278	-0.007	73	81977	6.96	
16 Dichlorofluoromethane	67	2.070	2.070	0.0	81	86159	8.06	
18 Ethyl ether	59	2.320	2.320	0.0	98	65279	10.8	
68 Propene oxide	58	2.411	2.406	0.005	95	119998	52.0	
25 Isopropyl alcohol	45	2.850	2.851	-0.001	99	236705	204.3	
26 3-Chloro-1-propene	41	2.887	2.875	0.012	85	68054	12.1	
30 2-Methyl-2-propanol	59	3.222	3.222	0.0	97	348135	201.9	
34 Hexane	57	3.436	3.436	0.0	95	147045	10.5	
37 Isopropyl ether	45	3.680	3.680	0.0	95	294972	10.3	
39 2-Chloro-1,3-butadiene	53	3.716	3.716	0.0	84	144579	9.68	
40 1,1-Dimethoxyethane	75	3.759	3.759	0.0	94	96754	50.8	
41 Tert-butyl ethyl ether	59	4.015	4.015	0.0	98	232797	10.3	
45 Ethyl acetate	43	4.289	4.289	0.0	99	127298	10.2	
46 Propionitrile	54	4.356	4.356	0.0	100	225485	102.4	
47 Methacrylonitrile	41	4.466	4.460	0.006	96	74575	9.84	
55 Isobutyl alcohol	43	5.021	5.021	0.0	94	422477	408.6	
58 Tert-amyl methyl ether	73	5.063	5.057	0.006	86	186395	10.3	
59 n-Heptane	43	5.155	5.155	0.0	98	146343	10.3	
60 n-Butanol	56	5.643	5.637	0.006	91	180420	384.7	
64 Methyl methacrylate	41	5.929	5.929	0.0	92	94525	10.2	
66 1,4-Dioxane	88	5.978	5.978	0.0	87	43709	405.6	
69 2-Nitropropane	43	6.368	6.368	0.0	98	67903	42.1	
71 Epichlorohydrin	57	6.490	6.490	0.0	98	310153	206.8	
75 2-Methylthiophene	97	6.947	6.947	0.0	98	211431	10.2	
77 3-Methylthiophene	97	7.112	7.112	0.0	100	227512	10.5	
85 3-Chlorobenzotrifluoride	180	8.227	8.228	-0.001	91	101319	10.3	
87 4-Chlorobenzotrifluoride	180	8.288	8.289	0.0	97	101653	10.5	

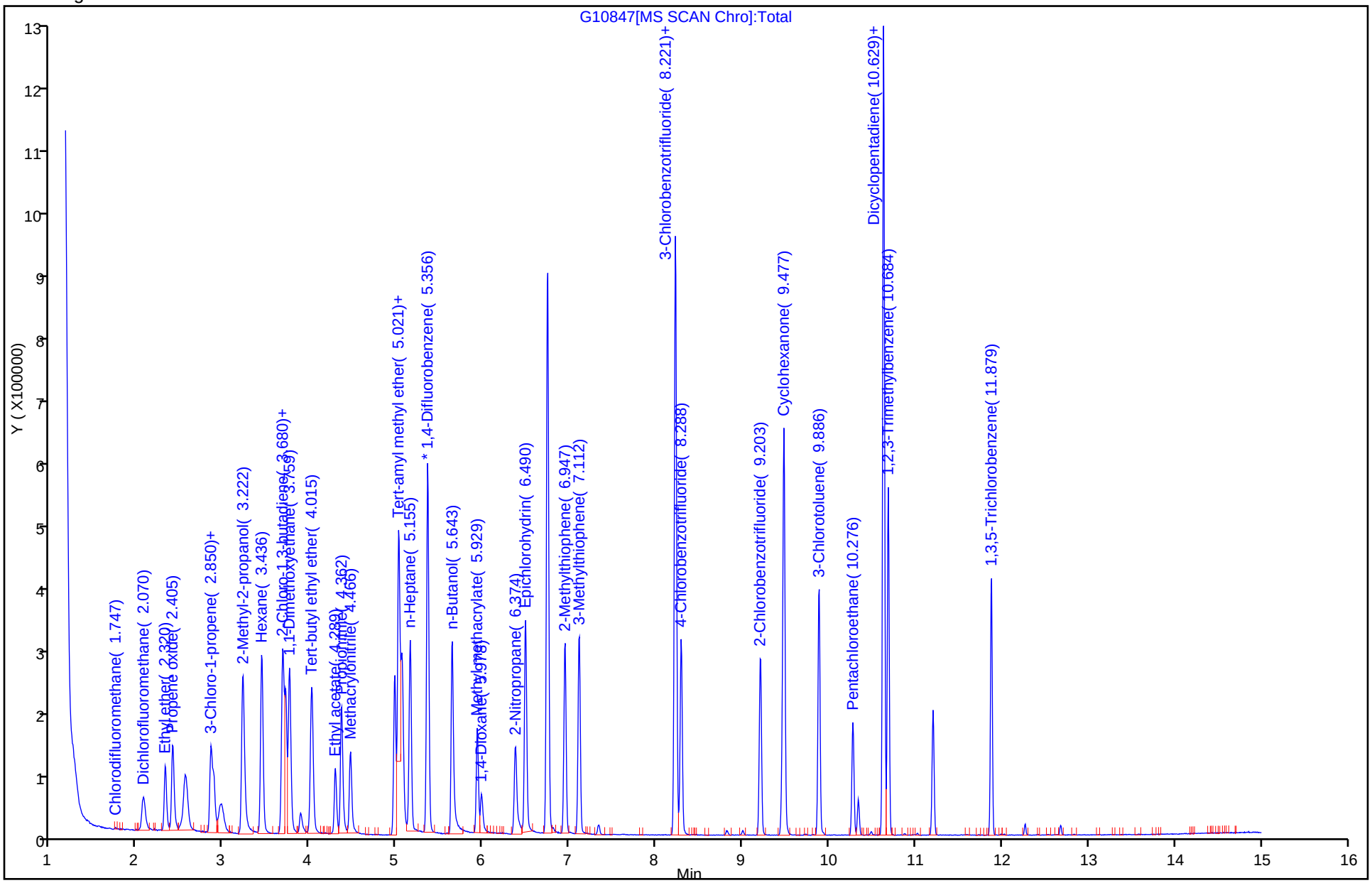
Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/L	Flags
94 2-Chlorobenzotrifluoride	180	9.209	9.203	0.006	96	99251	10.2	
96 Cyclohexanone	55	9.459	9.459	0.0	95	60211	93.3	
103 3-Chlorotoluene	126	9.886	9.886	0.0	98	82974	10.2	
108 Pentachloroethane	167	10.276	10.276	0.0	72	24913	8.65	
112 Dicyclopentadiene	66	10.629	10.630	-0.001	93	376588	10.3	
114 1,2,3-Trimethylbenzene	105	10.684	10.684	0.0	98	308707	10.5	
118 1,3,5-Trichlorobenzene	180	11.879	11.879	0.0	96	115919	10.5	

Report Date: 10-Apr-2012 08:36:57 Chrom Revision: 2.0 20-Feb-2012 13:27:02

Data File: \\Bufchrom\ChromData\HP5973G\20120409-10850.b\G10847.D

Injection Date:	10-Apr-2012 00:33:30	Limit Group:	MV - 8260B ICAL
Client ID:		Instrument ID:	HP5973G
Lims Batch ID:	58822	Lims Sample ID:	12
Operator ID:	RAL		
Column Type:	ZB-624	Column Dia:	0.25 mm

Y Scaling:



TestAmerica Laboratories
Target Compound Quantitation Report

Data File:	\\Bufchrom\ChromData\HP5973G\20120409-10850.b\G10848.D		
Lims ID:	STD-10	Client ID:	
Inject. Date:	10-Apr-2012 00:56:30	Dil. Factor:	1.0000
Sample Type:	IC	Calib Level:	4
Sample ID:	STD-10		
Misc. Info.:	480-0010850-013 =480-0010850-013		
Operator:	RAL	Instrument ID:	HP5973G
Vol. Injected:	1.0000	ALS Bottle#:	13
Lims Batch ID:	58822	Lims Sample ID:	13
Sublist:	chrom-G-8260*sub9		
Detector:	MS SCAN		
Method:	\\Bufchrom\ChromData\HP5973G\20120409-10850.b\G-8260.m		
Last Update:	10-Apr-2012 08:35:51	Calib Date:	10-Apr-2012 01:42:30
Quant Method:	Internal Standard	Quant By:	Initial Calibration
Last ICal File:	\\Bufchrom\ChromData\HP5973G\20120409-10850.b\G10850.D		
Limit Group:	MV - 8260B ICAL		
Integrator:	RTE	ID Type:	Deconvolution ID
Process Host:	CORP-CTX-16		

First Level Reviewer: coderd Date: 10-Apr-2012 08:35:22

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	464173	25.0	
* 2 Chlorobenzene-d5	82	8.221	8.221	0.0	88	221585	25.0	
* 3 1,4-Dichlorobenzene-d4	152	10.630	10.630	0.0	89	212600	25.0	
11 Chlorodifluoromethane	51	1.278	1.278	0.0	76	230978	19.1	
16 Dichlorofluoromethane	67	2.070	2.070	0.0	83	220192	20.0	
18 Ethyl ether	59	2.320	2.320	0.0	97	158152	25.4	
68 Propene oxide	58	2.406	2.406	0.0	95	302181	127.2	
25 Isopropyl alcohol	45	2.851	2.851	0.0	98	578245	484.6	
26 3-Chloro-1-propene	41	2.881	2.881	0.0	83	142013	25.0	
30 2-Methyl-2-propanol	59	3.222	3.222	0.0	98	872272	491.3	
34 Hexane	57	3.436	3.436	0.0	95	366377	25.4	
37 Isopropyl ether	45	3.680	3.680	0.0	96	750316	25.5	
39 2-Chloro-1,3-butadiene	53	3.716	3.716	0.0	91	370611	24.1	
40 1,1-Dimethoxyethane	75	3.759	3.759	0.0	95	253315	129.2	
41 Tert-butyl ethyl ether	59	4.015	4.015	0.0	98	593452	25.5	
45 Ethyl acetate	43	4.289	4.289	0.0	99	322068	24.9	
46 Propionitrile	54	4.356	4.356	0.0	99	559448	246.6	
47 Methacrylonitrile	41	4.460	4.460	0.0	96	187766	24.1	
55 Isobutyl alcohol	43	5.021	5.021	0.0	95	1069816	1004.6	
58 Tert-amyl methyl ether	73	5.057	5.057	0.0	86	478213	25.6	
59 n-Heptane	43	5.155	5.155	0.0	98	376042	25.6	
60 n-Butanol	56	5.637	5.637	0.0	91	478495	990.7	
64 Methyl methacrylate	41	5.929	5.929	0.0	93	248867	26.2	
66 1,4-Dioxane	88	5.978	5.978	0.0	93	100688	918.8	
69 2-Nitropropane	43	6.368	6.368	0.0	99	211114	116.9	
71 Epichlorohydrin	57	6.490	6.490	0.0	99	805040	521.1	
75 2-Methylthiophene	97	6.947	6.947	0.0	98	548378	25.7	
77 3-Methylthiophene	97	7.112	7.112	0.0	100	562010	25.4	
85 3-Chlorobenzotrifluoride	180	8.228	8.228	0.0	92	253349	25.2	
87 4-Chlorobenzotrifluoride	180	8.289	8.289	0.0	96	254762	25.6	

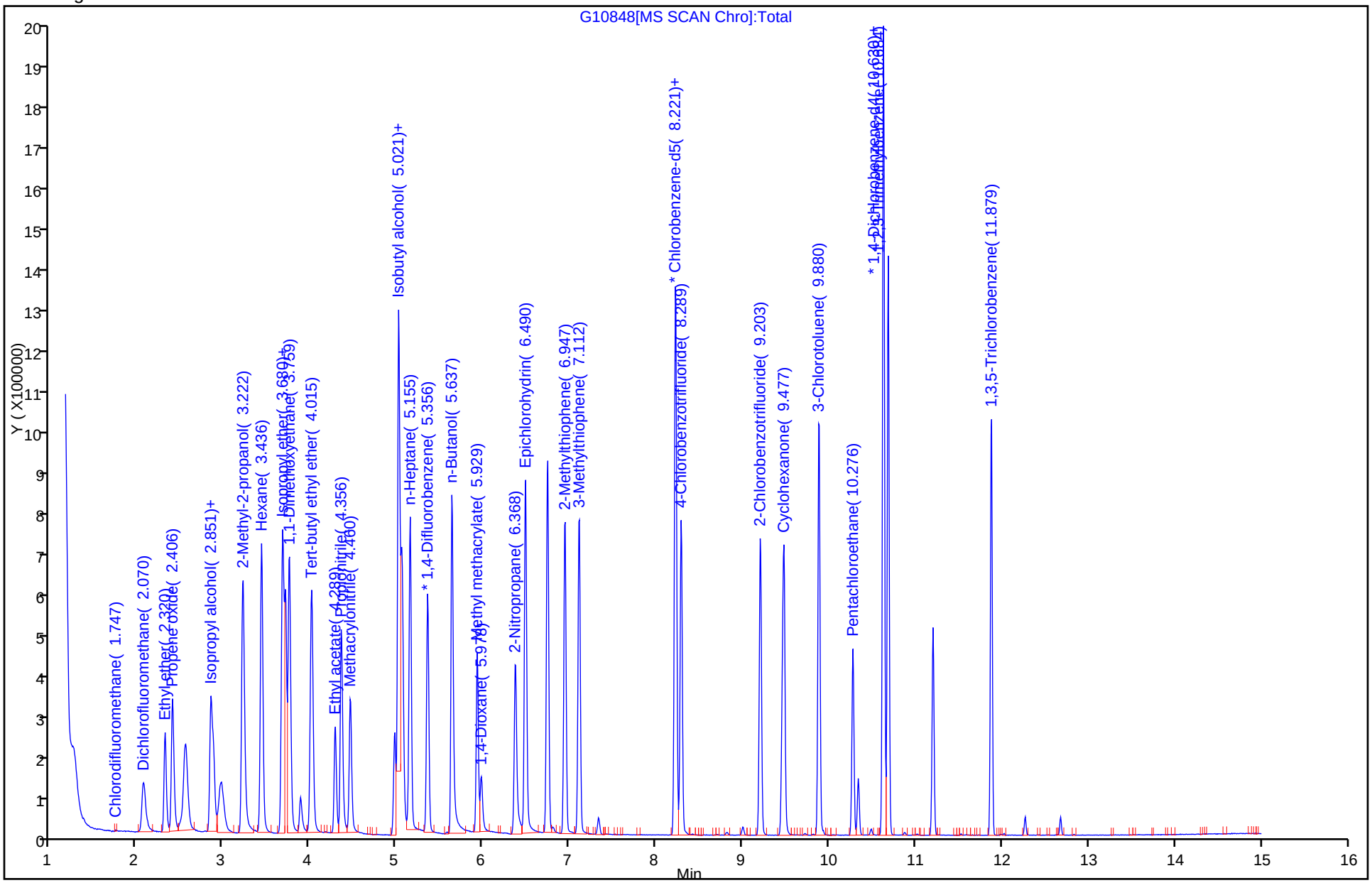
Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/L	Flags
94 2-Chlorobenzotrifluoride	180	9.203	9.203	0.0	94	252262	25.2	
96 Cyclohexanone	55	9.459	9.459	0.0	94	155018	234.4	
103 3-Chlorotoluene	126	9.886	9.886	0.0	98	213008	25.6	
108 Pentachloroethane	167	10.276	10.276	0.0	76	62084	21.0	
112 Dicyclopentadiene	66	10.630	10.630	0.0	96	972294	25.9	
114 1,2,3-Trimethylbenzene	105	10.684	10.684	0.0	98	788404	26.2	
118 1,3,5-Trichlorobenzene	180	11.879	11.879	0.0	96	294789	26.1	

Report Date: 10-Apr-2012 08:35:51 Chrom Revision: 2.0 20-Feb-2012 13:27:02

Data File: \\Bufchrom\ChromData\HP5973G\20120409-10850.b\G10848.D

Injection Date:	10-Apr-2012 00:56:30	Limit Group:	MV - 8260B ICAL
Client ID:		Instrument ID:	HP5973G
Lims Batch ID:	58822	Lims Sample ID:	13
Operator ID:	RAL		
Column Type:	ZB-624	Column Dia:	0.25 mm

Y Scaling:



TestAmerica Laboratories
Target Compound Quantitation Report

Data File: \\Bufchrom\ChromData\HP5973G\20120409-10850.b\G10849.D
Lims ID: STD-11 Client ID:
Inject. Date: 10-Apr-2012 01:19:30 Dil. Factor: 1.0000
Sample Type: IC Calib Level: 5
Sample ID: STD-11
Misc. Info.: 480-0010850-014 =480-0010850-014
Operator: RAL Instrument ID: HP5973G
Vol. Injected: 1.0000 ALS Bottle#: 14
Lims Batch ID: 58822 Lims Sample ID: 14
Sublist: chrom-G-8260*sub9
Detector: MS SCAN

Method: \\Bufchrom\ChromData\HP5973G\20120409-10850.b\G-8260.m
Last Update: 10-Apr-2012 08:37:33 Calib Date: 10-Apr-2012 01:42:30
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\Bufchrom\ChromData\HP5973G\20120409-10850.b\G10850.D
Limit Group: MV - 8260B ICAL
Integrator: RTE ID Type: Deconvolution ID
Process Host: CORP-CTX-16

First Level Reviewer: coderd Date: 10-Apr-2012 08:37:33

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	466363	25.0	
* 2 Chlorobenzene-d5	82	8.221	8.221	0.0	87	226240	25.0	
* 3 1,4-Dichlorobenzene-d4	152	10.630	10.630	0.0	53	215496	25.0	
11 Chlorodifluoromethane	51	1.272	1.278	-0.006	76	564615	46.4	
16 Dichlorofluoromethane	67	2.076	2.070	0.006	83	530960	48.0	
18 Ethyl ether	59	2.320	2.320	0.0	97	317333	50.7	
68 Propene oxide	58	2.406	2.406	0.0	95	621986	260.6	
25 Isopropyl alcohol	45	2.857	2.851	0.006	98	1243608	1037.3	
26 3-Chloro-1-propene	41	2.881	2.875	0.006	86	264013	45.3	
30 2-Methyl-2-propanol	59	3.222	3.222	0.0	98	1917810	1075.1	
34 Hexane	57	3.436	3.436	0.0	95	795344	54.8	
37 Isopropyl ether	45	3.680	3.680	0.0	96	1591781	53.9	
39 2-Chloro-1,3-butadiene	53	3.716	3.716	0.0	90	780406	50.5	
40 1,1-Dimethoxyethane	75	3.759	3.759	0.0	95	540550	274.4	
41 Tert-butyl ethyl ether	59	4.015	4.015	0.0	99	1269610	54.3	
45 Ethyl acetate	43	4.289	4.289	0.0	99	692953	53.4	
46 Propionitrile	54	4.356	4.356	0.0	99	1201248	527.1	
47 Methacrylonitrile	41	4.460	4.460	0.0	96	397777	50.7	
55 Isobutyl alcohol	43	5.027	5.021	0.006	96	2379144	2223.5	
58 Tert-amyl methyl ether	73	5.057	5.057	0.0	86	1030369	55.0	
59 n-Heptane	43	5.155	5.155	0.0	97	794829	53.8	
60 n-Butanol	56	5.637	5.637	0.0	90	1131568	2331.8	
64 Methyl methacrylate	41	5.929	5.929	0.0	94	516199	54.0	
66 1,4-Dioxane	88	5.978	5.978	0.0	90	226387	2023.2	
69 2-Nitropropane	43	6.368	6.368	0.0	99	545288	257.4	
71 Epichlorohydrin	57	6.490	6.490	0.0	99	1708730	1101.0	
75 2-Methylthiophene	97	6.947	6.947	0.0	98	1152508	53.3	
77 3-Methylthiophene	97	7.106	7.112	-0.006	100	1176292	52.4	
85 3-Chlorobenzotrifluoride	180	8.228	8.228	0.0	92	539811	53.0	
87 4-Chlorobenzotrifluoride	180	8.289	8.289	0.001	97	544798	54.1	

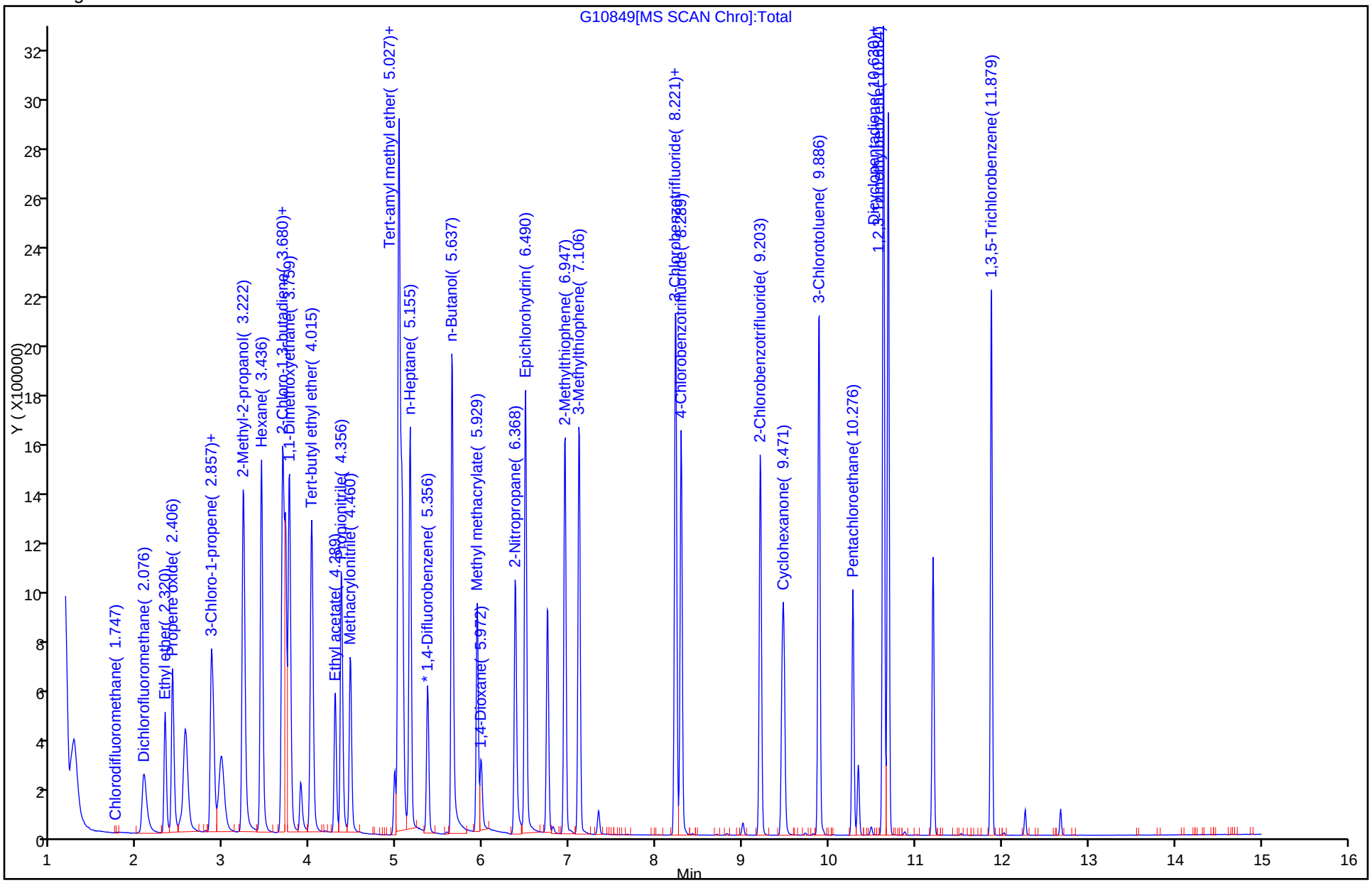
Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/L	Flags
94 2-Chlorobenzotrifluoride	180	9.209	9.203	0.006	96	543052	53.6	
96 Cyclohexanone	55	9.459	9.459	0.0	95	367545	548.2	
103 3-Chlorotoluene	126	9.886	9.886	0.0	98	461839	54.7	
108 Pentachloroethane	167	10.276	10.276	0.0	79	149065	49.8	
112 Dicyclopentadiene	66	10.630	10.630	0.0	97	2099068	55.1	
114 1,2,3-Trimethylbenzene	105	10.684	10.684	0.0	98	1648793	54.1	
118 1,3,5-Trichlorobenzene	180	11.879	11.879	0.0	96	630664	55.0	

Report Date: 10-Apr-2012 08:37:34 Chrom Revision: 2.0 20-Feb-2012 13:27:02

Data File: \\Bufchrom\ChromData\HP5973G\20120409-10850.b\G10849.D

Injection Date:	10-Apr-2012 01:19:30	Limit Group:	MV - 8260B ICAL
Client ID:		Instrument ID:	HP5973G
Lims Batch ID:	58822	Lims Sample ID:	14
Operator ID:	RAL		
Column Type:	ZB-624	Column Dia:	0.25 mm

Y Scaling:



TestAmerica Laboratories
Target Compound Quantitation Report

Data File: \\Bufchrom\ChromData\HP5973G\20120409-10850.b\G10850.D
Lims ID: STD-12 Client ID:
Inject. Date: 10-Apr-2012 01:42:30 Dil. Factor: 1.0000
Sample Type: IC Calib Level: 6
Sample ID: STD-12
Misc. Info.: 480-0010850-015 =480-0010850-015
Operator: RAL Instrument ID: HP5973G
Vol. Injected: 1.0000 ALS Bottle#: 15
Lims Batch ID: 58822 Lims Sample ID: 15
Sublist: chrom-G-8260*sub9
Detector: MS SCAN

Method: \\Bufchrom\ChromData\HP5973G\20120409-10850.b\G-8260.m
Last Update: 10-Apr-2012 08:39:07 Calib Date: 10-Apr-2012 01:42:30
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\Bufchrom\ChromData\HP5973G\20120409-10850.b\G10850.D
Limit Group: MV - 8260B ICAL
Integrator: RTE ID Type: Deconvolution ID
Process Host: CORP-CTX-16

First Level Reviewer: coderd Date: 10-Apr-2012 08:39:07

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	473962	25.0	
* 2 Chlorobenzene-d5	82	8.221	8.221	0.0	87	228979	25.0	
* 3 1,4-Dichlorobenzene-d4	152	10.630	10.630	0.0	49	212961	25.0	
11 Chlorodifluoromethane	51	1.278	1.278	0.0	77	1283819	103.7	
16 Dichlorofluoromethane	67	2.082	2.070	0.012	83	1153059	102.5	
18 Ethyl ether	59	2.320	2.320	0.0	98	616998	96.9	
68 Propene oxide	58	2.406	2.406	0.0	95	1205205	496.9	
25 Isopropyl alcohol	45	2.863	2.851	0.012	98	2392517	1963.7	
26 3-Chloro-1-propene	41	2.881	2.875	0.006	88	476341	80.4	
30 2-Methyl-2-propanol	59	3.235	3.222	0.013	98	3936522	2171.4	
34 Hexane	57	3.436	3.436	0.0	94	1655752	112.3	
37 Isopropyl ether	45	3.680	3.680	0.0	96	3134227	104.4	
39 2-Chloro-1,3-butadiene	53	3.716	3.716	0.0	91	1599012	101.8	
40 1,1-Dimethoxyethane	75	3.759	3.759	0.0	95	1109702	554.3	
41 Tert-butyl ethyl ether	59	4.015	4.015	0.0	98	2545021	107.0	
45 Ethyl acetate	43	4.289	4.289	0.0	99	1394864	105.8	
46 Propionitrile	54	4.362	4.356	0.006	99	2398562	1035.6	
47 Methacrylonitrile	41	4.466	4.460	0.006	95	796296	99.9	
55 Isobutyl alcohol	43	5.033	5.021	0.012	95	4582068	4213.7	
58 Tert-amyl methyl ether	73	5.064	5.057	0.007	87	2028533	106.5	
59 n-Heptane	43	5.155	5.155	0.0	97	1670242	111.3	
60 n-Butanol	56	5.643	5.637	0.006	89	2264060	4590.7	
64 Methyl methacrylate	41	5.929	5.929	0.0	95	1041153	107.2	
66 1,4-Dioxane	88	5.972	5.978	-0.006	94	488398	4312.6	
69 2-Nitropropane	43	6.374	6.368	0.006	98	1289381	499.0	
71 Epichlorohydrin	57	6.490	6.490	0.0	99	3267681	2071.7	
75 2-Methylthiophene	97	6.947	6.947	0.0	98	2269517	106.2	
77 3-Methylthiophene	97	7.106	7.112	-0.006	99	2361931	106.4	
85 3-Chlorobenzotrifluoride	180	8.228	8.228	0.0	93	1104922	109.9	
87 4-Chlorobenzotrifluoride	180	8.288	8.289	0.0	97	1104646	110.9	

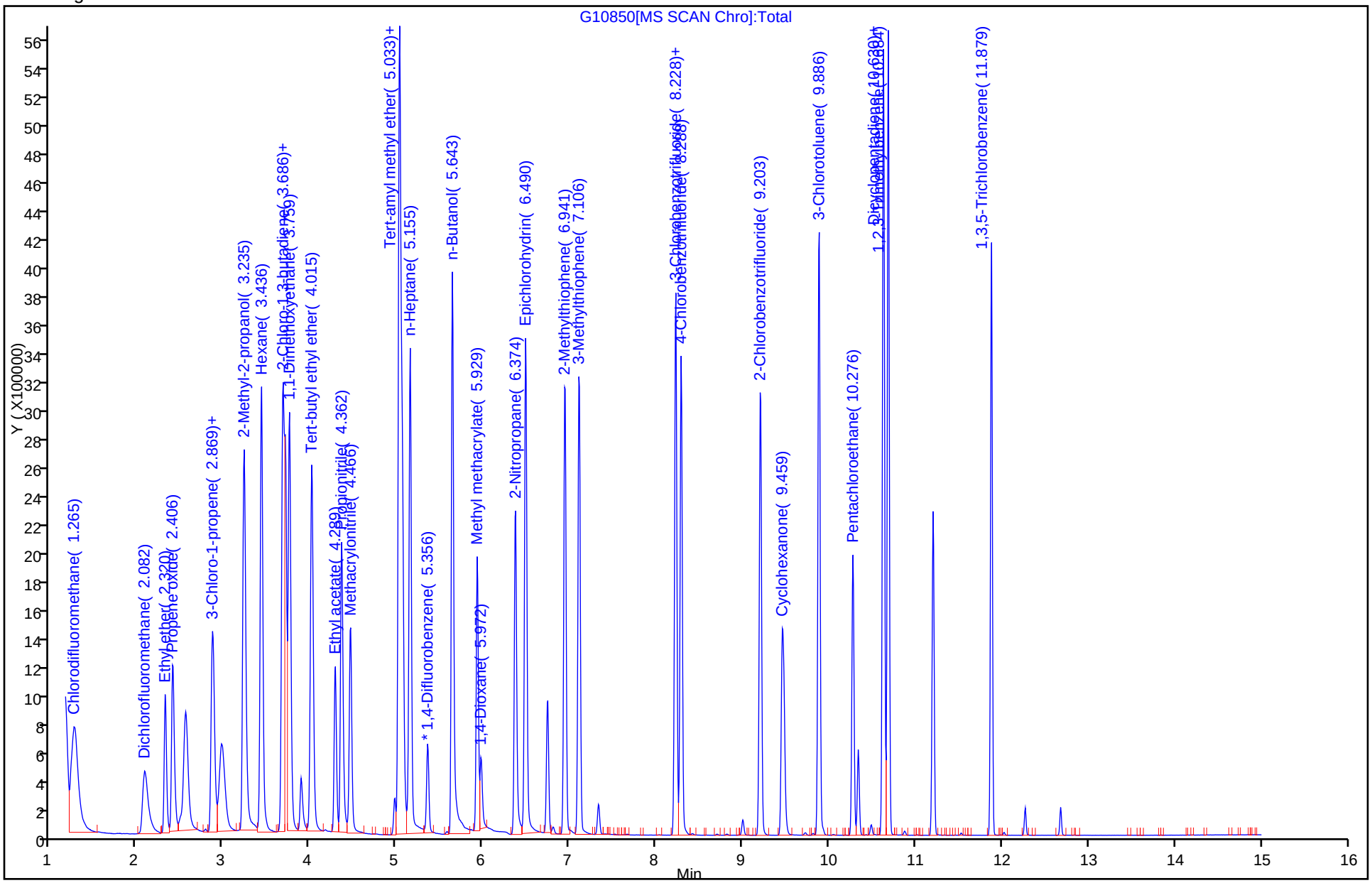
Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/L	Flags
94 2-Chlorobenzotrifluoride	180	9.209	9.203	0.006	95	1098936	109.7	
96 Cyclohexanone	55	9.459	9.459	0.0	95	727903	1098.7	
103 3-Chlorotoluene	126	9.886	9.886	0.0	97	915756	109.7	
108 Pentachloroethane	167	10.276	10.276	0.0	82	316890	107.1	
112 Dicyclopentadiene	66	10.630	10.630	0.0	97	3986418	105.8	
114 1,2,3-Trimethylbenzene	105	10.684	10.684	0.0	98	3081905	102.3	
118 1,3,5-Trichlorobenzene	180	11.879	11.879	0.0	96	1151799	101.6	

Report Date: 10-Apr-2012 08:39:07 Chrom Revision: 2.0 20-Feb-2012 13:27:02

Data File: \\Bufchrom\ChromData\HP5973G\20120409-10850.b\G10850.D

Injection Date:	10-Apr-2012 01:42:30	Limit Group:	MV - 8260B ICAL
Client ID:		Instrument ID:	HP5973G
Lims Batch ID:	58822	Lims Sample ID:	15
Operator ID:	RAL		
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.: 480-18292-1

SDG No.:

Lab Sample ID: CCVIS 480-58994/2 Calibration Date: 04/10/2012 21:46

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: F7987.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	0.2014		48.9	50.0	-2.2	50.0
Chloromethane	Ave	0.2765	0.2578	0.1000	46.6	50.0	-6.8	50.0
Vinyl chloride	Ave	0.2213	0.2293		51.8	50.0	3.6	20.0
Bromomethane	Ave	0.1097	0.0927		42.3	50.0	-15.5	50.0
Chloroethane	Ave	0.1050	0.0927		44.1	50.0	-11.7	50.0
Trichlorofluoromethane	Ave	0.2394	0.2647		55.3	50.0	10.5	50.0
Acrolein	Ave	0.0379	0.0240		633	1000	-36.7	50.0
1,1,2-Trichloro-1,2,2-triflu oroethane	Ave	0.2313	0.1984		42.9	50.0	-14.2	50.0
1,1-Dichloroethene	Ave	0.2420	0.2591	0.1000	53.5	50.0	7.1	20.0
Acetone	Ave	0.1081	0.0900		208	250	-16.7	50.0
Iodomethane	Ave	0.3623	0.3335		46.0	50.0	-8.0	50.0
Carbon disulfide	Ave	0.6556	0.5151		39.3	50.0	-21.4	50.0
Methyl acetate	Ave	0.3785	0.3211		42.4	50.0	-15.1	50.0
Acetonitrile	Ave	0.0226	0.0218		1930	2000	-3.5	50.0
Methylene Chloride	Ave	0.2868	0.2897		50.5	50.0	1.0	50.0
Methyl tert-butyl ether	Ave	0.8378	0.7091		42.3	50.0	-15.4	50.0
trans-1,2-Dichloroethene	Ave	0.2812	0.2952		52.5	50.0	5.0	50.0
Acrylonitrile	Ave	0.1271	0.1149		226	250	-9.6	50.0
Vinyl acetate	Ave	0.6567	0.5720		218	250	-12.9	50.0
1,1-Dichloroethane	Ave	0.4772	0.4632		48.5	50.0	-2.9	50.0
2-Butanone (MEK)	Ave	0.1867	0.1594		213	250	-14.6	50.0
2,2-Dichloropropane	Ave	0.3267	0.3289		50.3	50.0	0.7	50.0
cis-1,2-Dichloroethene	Ave	0.3174	0.3205		50.5	50.0	1.0	50.0
Bromochloromethane	Ave	0.1669	0.1700		50.9	50.0	1.8	50.0
Tetrahydrofuran	Ave	0.1231	0.1063		216	250	-13.7	50.0
Chloroform	Ave	0.4648	0.4541		48.8	50.0	-2.3	20.0
1,1,1-Trichloroethane	Ave	0.3695	0.3767		51.0	50.0	1.9	50.0
Cyclohexane	Ave	0.4776	0.4089		42.8	50.0	-14.4	50.0
1,1-Dichloropropene	Ave	0.3625	0.3633		50.1	50.0	0.2	50.0
Carbon tetrachloride	Ave	0.3123	0.3286		52.6	50.0	5.2	50.0
Benzene	Ave	1.074	1.089		50.7	50.0	1.4	50.0
1,2-Dichloroethane	Ave	0.3784	0.3443		45.5	50.0	-9.0	50.0
Trichloroethene	Ave	0.2881	0.2940		51.0	50.0	2.1	50.0
Methylcyclohexane	Ave	0.4705	0.4294		45.6	50.0	-8.7	50.0
1,2-Dichloropropane	Ave	0.2858	0.2757		48.2	50.0	-3.5	20.0
Dibromomethane	Ave	0.1702	0.1632		47.9	50.0	-4.1	50.0
Bromodichloromethane	Ave	0.3334	0.3134		47.0	50.0	-6.0	50.0
2-Chloroethyl vinyl ether	Ave	0.2068	0.1830		221	250	-11.5	50.0
cis-1,3-Dichloropropene	Ave	0.4314	0.3963		45.9	50.0	-8.1	50.0
4-Methyl-2-pentanone (MIBK)	Ave	0.8542	0.7818		229	250	-8.5	50.0

FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Buffalo Job No.: 480-18292-1

SDG No.:

Lab Sample ID: CCVIS 480-58994/2 Calibration Date: 04/10/2012 21:46

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: F7987.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	1.748		52.5	50.0	5.0	20.0
Ethyl methacrylate	Ave	0.9228	0.8393		45.5	50.0	-9.1	50.0
trans-1,3-Dichloropropene	Ave	0.9099	0.8423		46.3	50.0	-7.4	50.0
1,1,2-Trichloroethane	Ave	0.5001	0.4932		49.3	50.0	-1.4	50.0
Tetrachloroethene	Ave	0.7388	0.8490		57.5	50.0	14.9	50.0
1,3-Dichloropropane	Ave	1.038	0.9928		47.8	50.0	-4.3	50.0
2-Hexanone	Ave	0.6379	0.5615		220	250	-12.0	50.0
Dibromochloromethane	Ave	0.6588	0.6470		49.1	50.0	-1.8	50.0
1,2-Dibromoethane	Ave	0.6697	0.6653		49.7	50.0	-0.7	50.0
Chlorobenzene	Ave	2.027	2.125	0.3000	52.4	50.0	4.8	50.0
Ethylbenzene	Ave	3.069	3.238		52.7	50.0	5.5	20.0
1,1,1,2-Tetrachloroethane	Ave	0.6553	0.7063		53.9	50.0	7.8	50.0
m-Xylene & p-Xylene	Ave	1.283	1.369		107	100	6.8	50.0
o-Xylene	Ave	1.233	1.310		53.1	50.0	6.2	50.0
Styrene	Ave	2.044	2.148		52.5	50.0	5.1	50.0
Bromoform	Ave	0.3801	0.3728	0.1000	49.0	50.0	-1.9	50.0
Isopropylbenzene	Ave	2.706	2.723		50.3	50.0	0.7	50.0
1,1,2,2-Tetrachloroethane	Ave	0.7166	0.6610	0.3000	46.1	50.0	-7.8	50.0
Bromobenzene	Ave	0.7878	0.7684		48.8	50.0	-2.5	50.0
trans-1,4-Dichloro-2-butene	Ave	0.2406	0.1983		206	250	-17.6	50.0
N-Propylbenzene	Ave	3.278	3.210		49.0	50.0	-2.1	50.0
1,2,3-Trichloropropane	Ave	0.2483	0.2260		45.5	50.0	-9.0	50.0
2-Chlorotoluene	Ave	0.7471	0.7552		50.5	50.0	1.1	50.0
1,3,5-Trimethylbenzene	Ave	2.282	2.306		50.5	50.0	1.1	50.0
4-Chlorotoluene	Ave	0.7987	0.7877		49.3	50.0	-1.4	50.0
tert-Butylbenzene	Ave	0.5765	0.5872		50.9	50.0	1.9	50.0
1,2,4-Trimethylbenzene	Ave	2.322	2.323		50.0	50.0	0.0	50.0
sec-Butylbenzene	Ave	2.926	3.021		51.6	50.0	3.2	50.0
4-Isopropyltoluene	Ave	2.670	2.764		51.8	50.0	3.5	50.0
1,3-Dichlorobenzene	Ave	1.504	1.491		49.6	50.0	-0.9	50.0
1,4-Dichlorobenzene	Ave	1.550	1.514		48.8	50.0	-2.3	50.0
n-Butylbenzene	Ave	2.179	2.237		51.3	50.0	2.6	50.0
1,2-Dichlorobenzene	Ave	1.420	1.418		49.9	50.0	-0.1	50.0
1,2-Dibromo-3-Chloropropane	Ave	0.1193	0.1000		41.9	50.0	-16.2	50.0
1,2,4-Trichlorobenzene	Ave	0.8879	0.9457		53.3	50.0	6.5	50.0
Hexachlorobutadiene	Ave	0.3855	0.4240		55.0	50.0	10.0	50.0
Naphthalene	Ave	2.610	2.536		48.6	50.0	-2.8	50.0
1,2,3-Trichlorobenzene	Ave	0.8054	0.8444		52.4	50.0	4.8	50.0
1,2-Dichloroethane-d4 (Surr)	Ave	0.1520	0.1458		48.0	50.0	-4.1	50.0
Toluene-d8 (Surr)	Ave	2.361	2.570		54.4	50.0	8.8	50.0
4-Bromofluorobenzene (Surr)	Ave	0.7860	0.8656		55.1	50.0	10.1	50.0

TestAmerica Laboratories
Target Compound Quantitation Report

Data File: \\Bufchrom\ChromData\HP5973F\20120410-10884.b\F7987.D
Lims ID: CCVIS Client ID:
Inject. Date: 10-Apr-2012 21:46:30 Dil. Factor: 1.0000
Sample Type: CCVIS
Sample ID: CCVIS
Misc. Info.: 480-0010884-002 =480-0010884-002
Operator: CDC Instrument ID: HP5973F
Vol. Injected: 1.0000 ALS Bottle#: 1
Lims Batch ID: 58994 Lims Sample ID: 2
Sublist: chrom-F-8260 SOIL*sub1
Detector: MS SCAN

Method: \\Bufchrom\ChromData\HP5973F\20120410-10884.b\F-8260 SOIL.m
Last Update: 18-Apr-2012 13:23:57 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 21:52:26

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	92	470762	50.0	
* 2 Chlorobenzene-d5	82	8.494	8.494	0.0	79	196128	50.0	
* 3 1,4-Dichlorobenzene-d4	152	10.800	10.800	0.0	74	241913	50.0	
$ 4 1,2-Dichloroethane-d4 (Surr)	67	5.404	5.404	0.0	95	68616	48.0	
$ 5 Toluene-d8 (Surr)	98	7.040	7.040	0.0	91	503996	54.4	
$ 6 4-Bromofluorobenzene (Surr)	174	9.705	9.705	0.0	91	169763	55.1	
10 Dichlorodifluoromethane	85	2.052	2.052	0.0	83	94822	48.9	
12 Chloromethane	50	2.204	2.204	0.0	89	121352	46.6	
13 Vinyl chloride	62	2.325	2.325	0.0	83	107950	51.8	
14 Bromomethane	94	2.624	2.624	0.0	86	43646	42.3	
15 Chloroethane	64	2.703	2.703	0.0	95	43630	44.1	
17 Trichlorofluoromethane	101	2.928	2.928	0.0	82	124596	55.3	
20 Acrolein	56	3.268	3.268	0.0	93	225741	632.9	
21 1,1,2-Trichloro-1,2,2-trifluoroe	101	3.305	3.305	0.0	79	93402	42.9	
22 1,1-Dichloroethene	96	3.335	3.335	0.0	83	121970	53.5	
23 Acetone	43	3.384	3.384	0.0	97	211929	208.1	
25 Iodomethane	142	3.500	3.500	0.0	96	157000	46.0	
26 Carbon disulfide	76	3.560	3.560	0.0	99	242503	39.3	
27 Methyl acetate	43	3.609	3.609	0.0	91	151181	42.4	
29 Acetonitrile	40	3.639	3.639	0.0	99	409871	1929.2	
30 Methylene Chloride	84	3.737	3.737	0.0	87	136375	50.5	
32 Methyl tert-butyl ether	73	3.889	3.889	0.0	90	333813	42.3	
34 trans-1,2-Dichloroethene	96	3.925	3.925	0.0	95	138969	52.5	
33 Acrylonitrile	53	3.938	3.938	0.0	100	270333	226.0	
37 Vinyl acetate	43	4.242	4.242	0.0	97	1346421	217.8	
39 1,1-Dichloroethane	63	4.266	4.266	0.0	84	218066	48.5	
43 2-Butanone (MEK)	43	4.710	4.710	0.0	99	375225	213.4	
44 2,2-Dichloropropane	77	4.722	4.722	0.0	66	154844	50.3	
45 cis-1,2-Dichloroethene	96	4.728	4.728	0.0	69	150886	50.5	
48 Chlorobromomethane	128	4.941	4.941	0.0	90	80038	50.9	

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/kg	Flags
49 Tetrahydrofuran	42	4.954	4.954	0.0	91	250106	215.8	
50 Chloroform	83	4.972	4.972	0.0	81	213765	48.8	
51 1,1,1-Trichloroethane	97	5.124	5.124	0.0	92	177338	51.0	
52 Cyclohexane	56	5.148	5.148	0.0	90	192472	42.8	
54 1,1-Dichloropropene	75	5.239	5.239	0.0	93	171025	50.1	
55 Carbon tetrachloride	117	5.252	5.252	0.0	80	154688	52.6	
57 Benzene	78	5.434	5.434	0.0	97	512678	50.7	
58 1,2-Dichloroethane	62	5.471	5.471	0.0	73	162061	45.5	
62 Trichloroethene	95	5.957	5.957	0.0	90	138412	51.0	
64 Methylcyclohexane	83	6.097	6.097	0.0	89	202137	45.6	
65 1,2-Dichloropropane	63	6.182	6.182	0.0	93	129780	48.2	
67 Dibromomethane	93	6.316	6.316	0.0	86	76831	47.9	
68 Dichlorobromomethane	83	6.426	6.426	0.0	92	147550	47.0	
69 2-Chloroethyl vinyl ether	63	6.633	6.633	0.0	91	430840	221.3	
72 cis-1,3-Dichloropropene	75	6.809	6.809	0.0	87	186557	45.9	
73 4-Methyl-2-pentanone (MIBK)	43	6.906	6.906	0.0	96	766654	228.8	
74 Toluene	92	7.107	7.107	0.0	98	342790	52.5	
75 Ethyl methacrylate	69	7.320	7.320	0.0	91	164603	45.5	
77 trans-1,3-Dichloropropene	75	7.326	7.326	0.0	91	165190	46.3	
79 1,1,2-Trichloroethane	83	7.527	7.527	0.0	83	96739	49.3	
81 Tetrachloroethene	166	7.630	7.630	0.0	91	166512	57.5	
82 1,3-Dichloropropane	76	7.697	7.697	0.0	93	194721	47.8	
80 2-Hexanone	43	7.703	7.703	0.0	97	550600	220.0	
83 Chlorodibromomethane	129	7.941	7.941	0.0	87	126896	49.1	
84 Ethylene Dibromide	107	8.074	8.074	0.0	98	130489	49.7	
87 Chlorobenzene	112	8.531	8.531	0.0	96	416829	52.4	
88 Ethylbenzene	91	8.585	8.585	0.0	97	635046	52.7	
89 1,1,1,2-Tetrachloroethane	131	8.604	8.604	0.0	87	138518	53.9	
90 m-Xylene & p-Xylene	106	8.701	8.701	0.0	100	537152	106.8	
91 o-Xylene	106	9.139	9.139	0.0	93	256840	53.1	
92 Styrene	104	9.157	9.157	0.0	96	421300	52.5	
95 Bromoform	173	9.437	9.437	0.0	98	73109	49.0	
94 Isopropylbenzene	105	9.492	9.492	0.0	94	658802	50.3	
97 1,1,2,2-Tetrachloroethane	83	9.863	9.863	0.0	80	159901	46.1	
101 Bromobenzene	156	9.875	9.875	0.0	87	185878	48.8	
98 trans-1,4-Dichloro-2-butene	53	9.899	9.899	0.0	57	239907	206.1	
99 N-Propylbenzene	91	9.906	9.906	0.0	95	776659	49.0	
100 1,2,3-Trichloropropane	110	9.912	9.912	0.0	58	54678	45.5	
103 2-Chlorotoluene	126	10.033	10.033	0.0	98	182697	50.5	
102 1,3,5-Trimethylbenzene	105	10.064	10.064	0.0	95	557910	50.5	
105 4-Chlorotoluene	126	10.137	10.137	0.0	95	190546	49.3	
106 tert-Butylbenzene	134	10.380	10.380	0.0	88	142046	50.9	
107 1,2,4-Trimethylbenzene	105	10.429	10.429	0.0	94	562078	50.0	
109 sec-Butylbenzene	105	10.581	10.581	0.0	92	730760	51.6	
110 4-Isopropyltoluene	119	10.703	10.703	0.0	96	668602	51.8	
111 1,3-Dichlorobenzene	146	10.739	10.739	0.0	95	360590	49.6	
113 1,4-Dichlorobenzene	146	10.818	10.818	0.0	96	366201	48.8	
115 n-Butylbenzene	91	11.068	11.068	0.0	96	541108	51.3	
116 1,2-Dichlorobenzene	146	11.165	11.165	0.0	98	342975	49.9	
117 1,2-Dibromo-3-Chloropropane	75	11.834	11.834	0.0	77	24196	41.9	
119 1,2,4-Trichlorobenzene	180	12.491	12.491	0.0	90	228773	53.3	
120 Hexachlorobutadiene	225	12.582	12.582	0.0	95	102566	55.0	

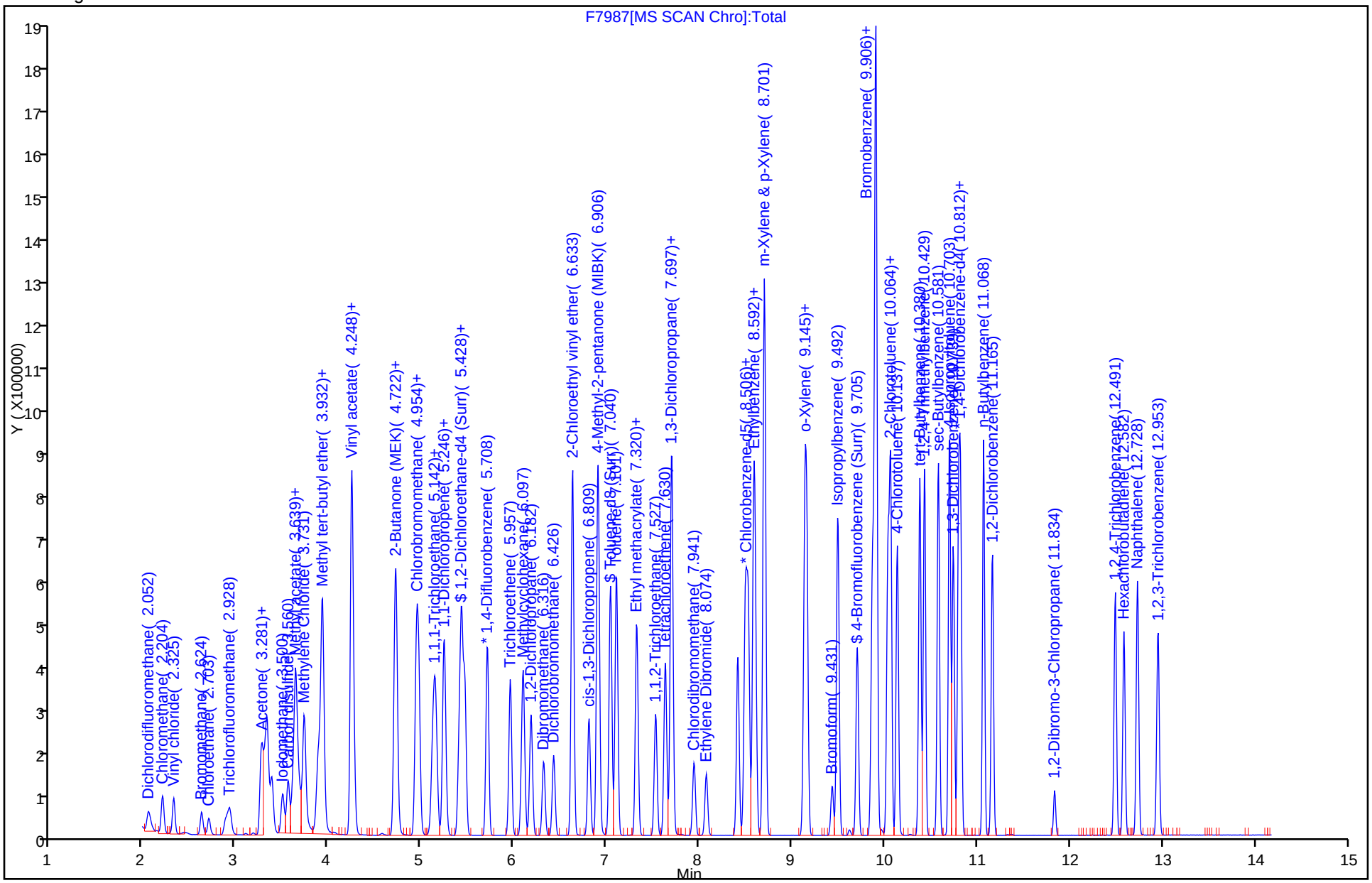
Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/kg	Flags
121 Naphthalene	128	12.728	12.728	0.0	96	613470	48.6	
122 1,2,3-Trichlorobenzene	180	12.953	12.953	0.0	95	204272	52.4	
S 125 1,2-Dichloroethene, Total	1				0		103.0	
S 126 1,3-Dichloropropene, Total	1				0		92.2	
S 123 Total BTEX	1				0		315.8	
S 124 Xylenes, Total	1				0		159.9	

Report Date: 18-Apr-2012 13:23:58 Chrom Revision: 2.0 20-Feb-2012 13:27:02

Data File: \\Bufchrom\ChromData\HP5973F\20120410-10884.b\F7987.D

Injection Date:	10-Apr-2012 21:46:30	Limit Group:	MV - 8260B ICAL
Client ID:		Instrument ID:	HP5973F
Lims Batch ID:	58994	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.: 480-18292-1

SDG No.:

Lab Sample ID: CCV 480-58994/3 Calibration Date: 04/10/2012 22:20

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: F7988.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	0.1510		49.7	50.0	-0.6	50.0
Toluene-d8 (Surr)	Ave	2.361	2.512		53.2	50.0	6.4	50.0
4-Bromofluorobenzene (Surr)	Ave	0.7860	0.8669		55.1	50.0	10.3	50.0

TestAmerica Laboratories
Target Compound Quantitation Report

Data File: \\Bufchrom\ChromData\HP5973F\20120410-10884.b\F7988.D
Lims ID: CCV Client ID:
Inject. Date: 10-Apr-2012 22:20:30 Dil. Factor: 1.0000
Sample Type: CCV
Sample ID: CCV
Misc. Info.: 480-0010884-003 =480-0010884-003
Operator: CDC Instrument ID: HP5973F
Vol. Injected: 1.0000 ALS Bottle#: 2
Lims Batch ID: 58994 Lims Sample ID: 3
Sublist: chrom-F-8260 SOIL*sub5
Detector: MS SCAN

Method: \\Bufchrom\ChromData\HP5973F\20120410-10884.b\F-8260 SOIL.m
Last Update: 18-Apr-2012 13:23:59 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 23:32:49

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	465387	50.0	
* 2 Chlorobenzene-d5	82	8.494	8.494	0.0	81	195075	50.0	
* 3 1,4-Dichlorobenzene-d4	152	10.800	10.800	0.0	93	236366	50.0	
$ 4 1,2-Dichloroethane-d4 (Surr)	67	5.404	5.404	0.0	99	70272	49.7	
$ 5 Toluene-d8 (Surr)	98	7.040	7.040	0.0	91	489960	53.2	
$ 6 4-Bromofluorobenzene (Surr)	174	9.705	9.705	0.0	91	169118	55.1	
11 Chlorodifluoromethane	51	2.076	2.076	0.0	75	96787	41.9	
16 Dichlorofluoromethane	67	2.891	2.891	0.0	81	137241	43.0	
18 Ethyl ether	59	3.116	3.116	0.0	93	107908	43.3	
19 Propene oxide	58	3.214	3.214	0.0	94	190434	278.7	
24 Isopropyl alcohol	45	3.475	3.475	0.0	97	247801	1144.2	
28 3-Chloro-1-propene	41	3.627	3.627	0.0	91	183680	41.7	
31 2-Methyl-2-propanol	59	3.780	3.780	0.0	98	383994	1158.1	
35 Hexane	57	4.072	4.072	0.0	93	180175	44.3	
36 Isopropyl ether	45	4.218	4.218	0.0	96	426426	43.9	
38 1,1-Dimethoxyethane	75	4.297	4.297	0.0	94	134137	290.9	
40 2-Chloro-1,3-butadiene	53	4.321	4.321	0.0	87	160763	42.2	
41 Tert-butyl ethyl ether	59	4.510	4.510	0.0	97	365037	43.7	
42 Ethyl acetate	43	4.710	4.710	0.0	98	152091	46.2	
46 Propionitrile	54	4.814	4.814	0.0	99	224703	504.6	
47 Methacrylonitrile	41	4.911	4.911	0.0	94	89205	45.1	
53 Isobutyl alcohol	43	5.294	5.294	0.0	95	361594	2294.4	
56 Tert-amyl methyl ether	73	5.446	5.446	0.0	98	335091	47.2	
59 n-Heptane	43	5.519	5.519	0.0	93	206461	43.7	
60 n-Butanol	56	5.848	5.848	0.0	89	221364	1991.1	
63 Methyl methacrylate	41	6.189	6.189	0.0	92	121461	42.9	
66 1,4-Dioxane	88	6.292	6.292	0.0	91	70004	2607.8	
70 2-Nitropropane	43	6.639	6.639	0.0	96	145550	257.3	
71 Epichlorohydrin	57	6.754	6.754	0.0	98	335889	966.7	
85 3-Chlorobenzotrifluoride	180	8.415	8.415	0.0	87	203427	48.8	

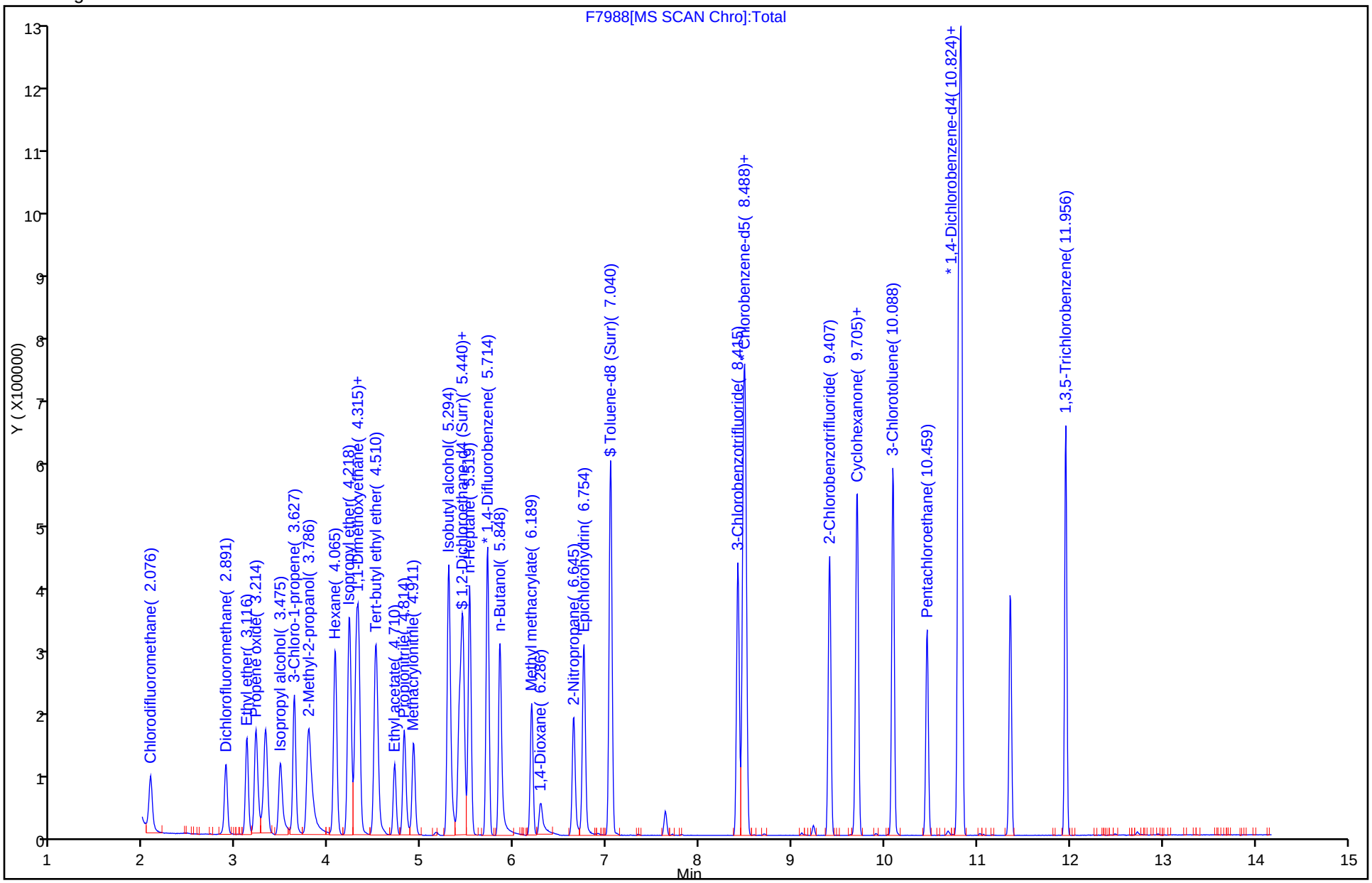
Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/kg	Flags
86 4-Chlorobenzotrifluoride	180	8.476	8.476	0.0	93	198519	49.7	
93 2-Chlorobenzotrifluoride	180	9.407	9.407	0.0	97	198018	50.1	
96 Cyclohexanone	55	9.693	9.693	0.0	91	70100	495.9	
104 3-Chlorotoluene	126	10.088	10.088	0.0	94	170386	46.0	
108 Pentachloroethane	167	10.459	10.459	0.0	83	65582	55.1	
114 Dicyclopentadiene	66	10.818	10.818	0.0	96	514362	43.2	
112 1,2,3-Trimethylbenzene	105	10.830	10.830	0.0	93	514277	45.7	
118 1,3,5-Trichlorobenzene	180	11.956	11.956	0.0	97	229950	52.8	

Report Date: 18-Apr-2012 13:24:00 Chrom Revision: 2.0 20-Feb-2012 13:27:02

Data File: \\Bufchrom\ChromData\HP5973F\20120410-10884.b\F7988.D

Injection Date:	10-Apr-2012 22:20:30	Limit Group:	MV - 8260B ICAL
Client ID:		Instrument ID:	HP5973F
Lims Batch ID:	58994	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.: 480-18292-1

SDG No.:

Lab Sample ID: CCV 480-58994/3 Calibration Date: 04/10/2012 22:20

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: F7988.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	0.2080		41.9	50.0	-16.1	50.0
Dichlorofluoromethane	Ave	0.3433	0.2949		43.0	50.0	-14.1	50.0
Ethyl ether	Ave	0.2676	0.2319		43.3	50.0	-13.3	50.0
Isopropyl alcohol	Ave	0.0233	0.0266		1140	1000	14.4	50.0
Allyl chloride	Ave	0.4731	0.3947		41.7	50.0	-16.6	50.0
t-Butyl alcohol	Ave	0.0356	0.0413		1160	1000	15.8	50.0
Hexane	Ave	0.4368	0.3872		44.3	50.0	-11.4	50.0
Isopropyl ether	Ave	1.043	0.9163		43.9	50.0	-12.2	50.0
1,1-Dimethoxyethane	Ave	0.0495	0.0577		291	250	16.3	50.0
Chloroprene	Ave	0.4089	0.3454		42.2	50.0	-15.5	50.0
Tert-butyl ethyl ether	Ave	0.8965	0.7844		43.7	50.0	-12.5	50.0
Ethyl acetate	Ave	0.3537	0.3268		46.2	50.0	-7.6	50.0
Propionitrile	Ave	0.0478	0.0483		505	500	0.9	50.0
Methacrylonitrile	Ave	0.2127	0.1917		45.1	50.0	-9.9	50.0
Isobutyl alcohol	Ave	0.0169	0.0194		2290	2000	14.7	50.0
Tert-amyl methyl ether	Ave	0.7627	0.7200		47.2	50.0	-5.6	50.0
n-Heptane	Ave	0.5076	0.4436		43.7	50.0	-12.6	50.0
n-Butanol	LinF		0.0119		1990	2000	-0.4	50.0
Methyl methacrylate	Ave	0.3042	0.2610		42.9	50.0	-14.2	50.0
1,4-Dioxane	Ave	0.0069	0.0090		2610	2000	30.4	50.0
2-Nitropropane	QuaF		0.1232		257	250	2.9	50.0
Epichlorohydrin	Ave	0.0373	0.0361		967	1000	-3.3	50.0
3-Chlorobenzotrifluoride	Ave	0.8825	0.8606		48.8	50.0	-2.5	50.0
p-Monochlorobenzotrifluoride	Ave	0.8446	0.8399		49.7	50.0	-0.6	50.0
2-Chlorobenzotrifluoride	Ave	0.8367	0.8378		50.1	50.0	0.1	50.0
Cyclohexanone	Ave	0.0299	0.0297		496	500	-0.8	50.0
3-Chlorotoluene	Ave	0.7836	0.7209		46.0	50.0	-8.0	50.0
Pentachloroethane	Ave	0.2520	0.2775		55.1	50.0	10.1	50.0
Dicyclopentadiene	Ave	2.520	2.176		43.2	50.0	-13.6	50.0
1,2,3-Trimethylbenzene	Ave	2.381	2.176		45.7	50.0	-8.6	50.0
1,3,5-Trichlorobenzene	Ave	0.9214	0.9729		52.8	50.0	5.6	50.0

TestAmerica Laboratories
Target Compound Quantitation Report

Data File: \\Bufchrom\ChromData\HP5973F\20120410-10884.b\F7988.D
Lims ID: CCV Client ID:
Inject. Date: 10-Apr-2012 22:20:30 Dil. Factor: 1.0000
Sample Type: CCV
Sample ID: CCV
Misc. Info.: 480-0010884-003 =480-0010884-003
Operator: CDC Instrument ID: HP5973F
Vol. Injected: 1.0000 ALS Bottle#: 2
Lims Batch ID: 58994 Lims Sample ID: 3
Sublist: chrom-F-8260 SOIL*sub5
Detector: MS SCAN

Method: \\Bufchrom\ChromData\HP5973F\20120410-10884.b\F-8260 SOIL.m
Last Update: 18-Apr-2012 13:23:59 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 23:32:49

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	465387	50.0	
* 2 Chlorobenzene-d5	82	8.494	8.494	0.0	81	195075	50.0	
* 3 1,4-Dichlorobenzene-d4	152	10.800	10.800	0.0	93	236366	50.0	
$ 4 1,2-Dichloroethane-d4 (Surr)	67	5.404	5.404	0.0	99	70272	49.7	
$ 5 Toluene-d8 (Surr)	98	7.040	7.040	0.0	91	489960	53.2	
$ 6 4-Bromofluorobenzene (Surr)	174	9.705	9.705	0.0	91	169118	55.1	
11 Chlorodifluoromethane	51	2.076	2.076	0.0	75	96787	41.9	
16 Dichlorofluoromethane	67	2.891	2.891	0.0	81	137241	43.0	
18 Ethyl ether	59	3.116	3.116	0.0	93	107908	43.3	
19 Propene oxide	58	3.214	3.214	0.0	94	190434	278.7	
24 Isopropyl alcohol	45	3.475	3.475	0.0	97	247801	1144.2	
28 3-Chloro-1-propene	41	3.627	3.627	0.0	91	183680	41.7	
31 2-Methyl-2-propanol	59	3.780	3.780	0.0	98	383994	1158.1	
35 Hexane	57	4.072	4.072	0.0	93	180175	44.3	
36 Isopropyl ether	45	4.218	4.218	0.0	96	426426	43.9	
38 1,1-Dimethoxyethane	75	4.297	4.297	0.0	94	134137	290.9	
40 2-Chloro-1,3-butadiene	53	4.321	4.321	0.0	87	160763	42.2	
41 Tert-butyl ethyl ether	59	4.510	4.510	0.0	97	365037	43.7	
42 Ethyl acetate	43	4.710	4.710	0.0	98	152091	46.2	
46 Propionitrile	54	4.814	4.814	0.0	99	224703	504.6	
47 Methacrylonitrile	41	4.911	4.911	0.0	94	89205	45.1	
53 Isobutyl alcohol	43	5.294	5.294	0.0	95	361594	2294.4	
56 Tert-amyl methyl ether	73	5.446	5.446	0.0	98	335091	47.2	
59 n-Heptane	43	5.519	5.519	0.0	93	206461	43.7	
60 n-Butanol	56	5.848	5.848	0.0	89	221364	1991.1	
63 Methyl methacrylate	41	6.189	6.189	0.0	92	121461	42.9	
66 1,4-Dioxane	88	6.292	6.292	0.0	91	70004	2607.8	
70 2-Nitropropane	43	6.639	6.639	0.0	96	145550	257.3	
71 Epichlorohydrin	57	6.754	6.754	0.0	98	335889	966.7	
85 3-Chlorobenzotrifluoride	180	8.415	8.415	0.0	87	203427	48.8	

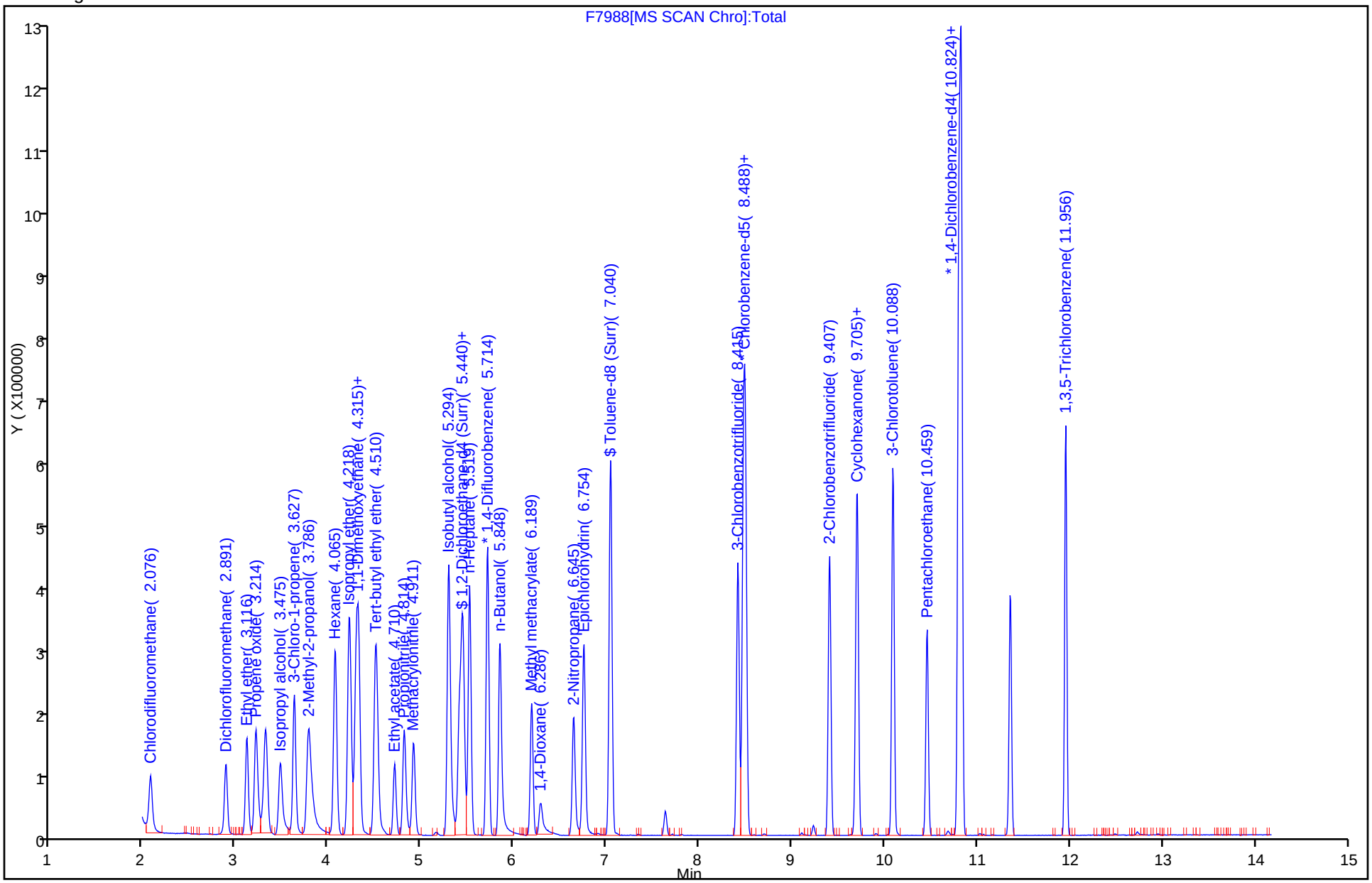
Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/kg	Flags
86 4-Chlorobenzotrifluoride	180	8.476	8.476	0.0	93	198519	49.7	
93 2-Chlorobenzotrifluoride	180	9.407	9.407	0.0	97	198018	50.1	
96 Cyclohexanone	55	9.693	9.693	0.0	91	70100	495.9	
104 3-Chlorotoluene	126	10.088	10.088	0.0	94	170386	46.0	
108 Pentachloroethane	167	10.459	10.459	0.0	83	65582	55.1	
114 Dicyclopentadiene	66	10.818	10.818	0.0	96	514362	43.2	
112 1,2,3-Trimethylbenzene	105	10.830	10.830	0.0	93	514277	45.7	
118 1,3,5-Trichlorobenzene	180	11.956	11.956	0.0	97	229950	52.8	

Report Date: 18-Apr-2012 13:24:00 Chrom Revision: 2.0 20-Feb-2012 13:27:02

Data File: \\Bufchrom\ChromData\HP5973F\20120410-10884.b\F7988.D

Injection Date:	10-Apr-2012 22:20:30	Limit Group:	MV - 8260B ICAL
Client ID:		Instrument ID:	HP5973F
Lims Batch ID:	58994	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.: 480-18292-1

SDG No.:

Lab Sample ID: CCVIS 480-59033/2 Calibration Date: 04/11/2012 09:07

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: F8012.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	0.1737		42.2	50.0	-15.6	50.0
Chloromethane	Ave	0.2765	0.2401	0.1000	43.4	50.0	-13.2	50.0
Vinyl chloride	Ave	0.2213	0.2092		47.3	50.0	-5.4	20.0
Bromomethane	Ave	0.1097	0.0921		42.0	50.0	-16.0	50.0
Chloroethane	Ave	0.1050	0.0912		43.4	50.0	-13.1	50.0
Trichlorofluoromethane	Ave	0.2394	0.2472		51.6	50.0	3.3	50.0
Acrolein	Ave	0.0379	0.0208		550	1000	-45.0	50.0
1,1,2-Trichloro-1,2,2-trifluoroethane	Ave	0.2313	0.1680		36.3	50.0	-27.4	50.0
1,1-Dichloroethene	Ave	0.2420	0.2356	0.1000	48.7	50.0	-2.7	20.0
Acetone	Ave	0.1081	0.0778		180	250	-28.0	50.0
Iodomethane	Ave	0.3623	0.2962		40.9	50.0	-18.3	50.0
Carbon disulfide	Ave	0.6556	0.4370		33.3	50.0	-33.3	50.0
Methyl acetate	Ave	0.3785	0.2809		37.1	50.0	-25.8	50.0
Acetonitrile	Ave	0.0226	0.0190		1690	2000	-15.6	50.0
Methylene Chloride	Ave	0.2868	0.2634		45.9	50.0	-8.2	50.0
Methyl tert-butyl ether	Ave	0.8378	0.6331		37.8	50.0	-24.4	50.0
trans-1,2-Dichloroethene	Ave	0.2812	0.2665		47.4	50.0	-5.2	50.0
Acrylonitrile	Ave	0.1271	0.0988		194	250	-22.2	50.0
Vinyl acetate	Ave	0.6567	0.5084		194	250	-22.6	50.0
1,1-Dichloroethane	Ave	0.4772	0.4238		44.4	50.0	-11.2	50.0
2-Butanone (MEK)	Ave	0.1867	0.1348		181	250	-27.8	50.0
2,2-Dichloropropane	Ave	0.3267	0.2974		45.5	50.0	-9.0	50.0
cis-1,2-Dichloroethene	Ave	0.3174	0.2942		46.3	50.0	-7.3	50.0
Bromochloromethane	Ave	0.1669	0.1559		46.7	50.0	-6.6	50.0
Tetrahydrofuran	Ave	0.1231	0.0902		183	250	-26.7	50.0
Chloroform	Ave	0.4648	0.4158		44.7	50.0	-10.5	20.0
1,1,1-Trichloroethane	Ave	0.3695	0.3407		46.1	50.0	-7.8	50.0
Cyclohexane	Ave	0.4776	0.3467		36.3	50.0	-27.4	50.0
1,1-Dichloropropene	Ave	0.3625	0.3219		44.4	50.0	-11.2	50.0
Carbon tetrachloride	Ave	0.3123	0.2948		47.2	50.0	-5.6	50.0
Benzene	Ave	1.074	0.9877		46.0	50.0	-8.0	50.0
1,2-Dichloroethane	Ave	0.3784	0.3111		41.1	50.0	-17.8	50.0
Trichloroethene	Ave	0.2881	0.2663		46.2	50.0	-7.6	50.0
Methylcyclohexane	Ave	0.4705	0.3641		38.7	50.0	-22.6	50.0
1,2-Dichloropropane	Ave	0.2858	0.2507		43.9	50.0	-12.3	20.0
Dibromomethane	Ave	0.1702	0.1455		42.7	50.0	-14.5	50.0
Bromodichloromethane	Ave	0.3334	0.2864		43.0	50.0	-14.1	50.0
2-Chloroethyl vinyl ether	Ave	0.2068	0.1601		194	250	-22.6	50.0
cis-1,3-Dichloropropene	Ave	0.4314	0.3594		41.7	50.0	-16.7	50.0
4-Methyl-2-pentanone (MIBK)	Ave	0.8542	0.6693		196	250	-21.6	50.0

FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Buffalo Job No.: 480-18292-1

SDG No.:

Lab Sample ID: CCVIS 480-59033/2 Calibration Date: 04/11/2012 09:07

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: F8012.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	1.591		47.8	50.0	-4.4	20.0
Ethyl methacrylate	Ave	0.9228	0.7182		38.9	50.0	-22.2	50.0
trans-1,3-Dichloropropene	Ave	0.9099	0.7614		41.8	50.0	-16.3	50.0
1,1,2-Trichloroethane	Ave	0.5001	0.4439		44.4	50.0	-11.2	50.0
Tetrachloroethene	Ave	0.7388	0.7608		51.5	50.0	3.0	50.0
1,3-Dichloropropane	Ave	1.038	0.9010		43.4	50.0	-13.2	50.0
2-Hexanone	Ave	0.6379	0.4717		185	250	-26.1	50.0
Dibromochloromethane	Ave	0.6588	0.5926		45.0	50.0	-10.0	50.0
1,2-Dibromoethane	Ave	0.6697	0.5948		44.4	50.0	-11.2	50.0
Chlorobenzene	Ave	2.027	1.923	0.3000	47.4	50.0	-5.2	50.0
Ethylbenzene	Ave	3.069	2.908		47.4	50.0	-5.3	20.0
1,1,1,2-Tetrachloroethane	Ave	0.6553	0.6535		49.9	50.0	-0.3	50.0
m-Xylene & p-Xylene	Ave	1.283	1.223		95.4	100	-4.6	50.0
o-Xylene	Ave	1.233	1.188		48.2	50.0	-3.7	50.0
Styrene	Ave	2.044	1.937		47.4	50.0	-5.3	50.0
Bromoform	Ave	0.3801	0.3300	0.1000	43.4	50.0	-13.2	50.0
Isopropylbenzene	Ave	2.706	2.509		46.4	50.0	-7.3	50.0
1,1,2,2-Tetrachloroethane	Ave	0.7166	0.5995	0.3000	41.8	50.0	-16.3	50.0
Bromobenzene	Ave	0.7878	0.7129		45.2	50.0	-9.5	50.0
trans-1,4-Dichloro-2-butene	Ave	0.2406	0.1745		181	250	-27.5	50.0
N-Propylbenzene	Ave	3.278	2.944		44.9	50.0	-10.2	50.0
1,2,3-Trichloropropane	Ave	0.2483	0.2024		40.8	50.0	-18.5	50.0
2-Chlorotoluene	Ave	0.7471	0.6953		46.5	50.0	-6.9	50.0
1,3,5-Trimethylbenzene	Ave	2.282	2.113		46.3	50.0	-7.4	50.0
4-Chlorotoluene	Ave	0.7987	0.7211		45.1	50.0	-9.7	50.0
tert-Butylbenzene	Ave	0.5765	0.5390		46.8	50.0	-6.5	50.0
1,2,4-Trimethylbenzene	Ave	2.322	2.126		45.8	50.0	-8.5	50.0
sec-Butylbenzene	Ave	2.926	2.741		46.8	50.0	-6.3	50.0
4-Isopropyltoluene	Ave	2.670	2.513		47.1	50.0	-5.9	50.0
1,3-Dichlorobenzene	Ave	1.504	1.372		45.6	50.0	-8.8	50.0
1,4-Dichlorobenzene	Ave	1.550	1.405		45.3	50.0	-9.4	50.0
n-Butylbenzene	Ave	2.179	2.008		46.1	50.0	-7.8	50.0
1,2-Dichlorobenzene	Ave	1.420	1.297		45.7	50.0	-8.6	50.0
1,2-Dibromo-3-Chloropropane	Ave	0.1193	0.0855		35.8	50.0	-28.3	50.0
1,2,4-Trichlorobenzene	Ave	0.8879	0.8590		48.4	50.0	-3.3	50.0
Hexachlorobutadiene	Ave	0.3855	0.3822		49.6	50.0	-0.9	50.0
Naphthalene	Ave	2.610	2.208		42.3	50.0	-15.4	50.0
1,2,3-Trichlorobenzene	Ave	0.8054	0.7627		47.3	50.0	-5.3	50.0
1,2-Dichloroethane-d4 (Surr)	Ave	0.1520	0.1422		46.8	50.0	-6.4	50.0
Toluene-d8 (Surr)	Ave	2.361	2.574		54.5	50.0	9.0	50.0
4-Bromofluorobenzene (Surr)	Ave	0.7860	0.8590		54.6	50.0	9.3	50.0

TestAmerica Laboratories
Target Compound Quantitation Report

Data File: \\Bufchrom\ChromData\HP5973F\20120411-10889.b\F8012.D
Lims ID: CCVIS Client ID:
Inject. Date: 11-Apr-2012 09:07:30 Dil. Factor: 1.0000
Sample Type: CCVIS
Sample ID: CCVIS
Misc. Info.: 480-0010889-002 =480-0010889-002
Operator: jmb Instrument ID: HP5973F
Vol. Injected: 1.0000 ALS Bottle#: 2
Lims Batch ID: 59033 Lims Sample ID: 2
Sublist: chrom-F-8260 SOIL*sub1
Detector: MS SCAN

Method: \\Bufchrom\ChromData\HP5973F\20120411-10889.b\F-8260 SOIL.m
Last Update: 18-Apr-2012 13:21:53 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: 11-Apr-2012 18:54:21

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	464552	50.0	
* 2 Chlorobenzene-d5	82	8.494	8.494	0.0	77	192700	50.0	
* 3 1,4-Dichlorobenzene-d4	152	10.800	10.800	0.0	89	232666	50.0	
$ 4 1,2-Dichloroethane-d4 (Surr)	67	5.404	5.404	0.0	95	66066	46.8	
$ 5 Toluene-d8 (Surr)	98	7.040	7.040	0.0	91	496063	54.5	
$ 6 4-Bromofluorobenzene (Surr)	174	9.705	9.705	0.0	92	165536	54.6	
10 Dichlorodifluoromethane	85	2.058	2.058	0.0	79	80701	42.2	
12 Chloromethane	50	2.210	2.210	0.0	89	111553	43.4	
13 Vinyl chloride	62	2.325	2.325	0.0	82	97196	47.3	
14 Bromomethane	94	2.630	2.630	0.0	82	42777	42.0	
15 Chloroethane	64	2.709	2.709	0.0	90	42377	43.4	
17 Trichlorofluoromethane	101	2.928	2.928	0.0	82	114845	51.6	
20 Acrolein	56	3.274	3.274	0.0	92	193616	550.1	
21 1,1,2-Trichloro-1,2,2-trifluoroe	101	3.311	3.311	0.0	78	78056	36.3	
22 1,1-Dichloroethene	96	3.335	3.335	0.0	84	109423	48.7	
23 Acetone	43	3.384	3.384	0.0	98	180813	179.9	
25 Iodomethane	142	3.500	3.500	0.0	96	137585	40.9	
26 Carbon disulfide	76	3.560	3.560	0.0	99	203010	33.3	
27 Methyl acetate	43	3.609	3.609	0.0	91	130471	37.1	
29 Acetonitrile	40	3.646	3.646	0.0	99	353868	1687.9	
30 Methylene Chloride	84	3.737	3.737	0.0	88	122347	45.9	
32 Methyl tert-butyl ether	73	3.895	3.895	0.0	90	294118	37.8	
34 trans-1,2-Dichloroethene	96	3.925	3.925	0.0	95	123786	47.4	
33 Acrylonitrile	53	3.938	3.938	0.0	98	229521	194.4	
37 Vinyl acetate	43	4.248	4.248	0.0	97	1180794	193.5	
39 1,1-Dichloroethane	63	4.266	4.266	0.0	82	196893	44.4	
43 2-Butanone (MEK)	43	4.716	4.716	0.0	99	313131	180.5	
44 2,2-Dichloropropane	77	4.722	4.722	0.0	67	138162	45.5	
45 cis-1,2-Dichloroethene	96	4.728	4.728	0.0	68	136673	46.3	
48 Chlorobromomethane	128	4.941	4.941	0.0	89	72418	46.7	

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/kg	Flags
49 Tetrahydrofuran	42	4.953	4.953	0.0	92	209484	183.2	
50 Chloroform	83	4.972	4.972	0.0	81	193176	44.7	
51 1,1,1-Trichloroethane	97	5.124	5.124	0.0	92	158288	46.1	
52 Cyclohexane	56	5.154	5.154	0.0	90	161038	36.3	
54 1,1-Dichloropropene	75	5.239	5.239	0.0	93	149524	44.4	
55 Carbon tetrachloride	117	5.252	5.252	0.0	82	136951	47.2	
57 Benzene	78	5.434	5.434	0.0	97	458846	46.0	
58 1,2-Dichloroethane	62	5.471	5.471	0.0	88	144516	41.1	
62 Trichloroethene	95	5.957	5.957	0.0	89	123693	46.2	
64 Methylcyclohexane	83	6.097	6.097	0.0	89	169134	38.7	
65 1,2-Dichloropropane	63	6.182	6.182	0.0	93	116463	43.9	
67 Dibromomethane	93	6.316	6.316	0.0	83	67594	42.7	
68 Dichlorobromomethane	83	6.426	6.426	0.0	92	133031	43.0	
69 2-Chloroethyl vinyl ether	63	6.633	6.633	0.0	91	371902	193.6	
72 cis-1,3-Dichloropropene	75	6.809	6.809	0.0	86	166942	41.7	
73 4-Methyl-2-pentanone (MIBK)	43	6.906	6.906	0.0	97	644825	195.9	
74 Toluene	92	7.107	7.107	0.0	98	306649	47.8	
75 Ethyl methacrylate	69	7.320	7.320	0.0	91	138395	38.9	
77 trans-1,3-Dichloropropene	75	7.326	7.326	0.0	91	146728	41.8	
79 1,1,2-Trichloroethane	83	7.527	7.527	0.0	84	85542	44.4	
81 Tetrachloroethene	166	7.636	7.636	0.0	91	146608	51.5	
82 1,3-Dichloropropane	76	7.697	7.697	0.0	93	173615	43.4	
80 2-Hexanone	43	7.703	7.703	0.0	97	454450	184.8	
83 Chlorodibromomethane	129	7.941	7.941	0.0	86	114198	45.0	
84 Ethylene Dibromide	107	8.074	8.074	0.0	98	114609	44.4	
87 Chlorobenzene	112	8.525	8.525	0.0	97	370470	47.4	
88 Ethylbenzene	91	8.585	8.585	0.0	97	560297	47.4	
89 1,1,1,2-Tetrachloroethane	131	8.604	8.604	0.0	83	125938	49.9	
90 m-Xylene & p-Xylene	106	8.701	8.701	0.0	99	471413	95.4	
91 o-Xylene	106	9.139	9.139	0.0	93	228868	48.2	
92 Styrene	104	9.157	9.157	0.0	96	373285	47.4	
95 Bromoform	173	9.437	9.437	0.0	96	63581	43.4	
94 Isopropylbenzene	105	9.492	9.492	0.0	94	583871	46.4	
97 1,1,2,2-Tetrachloroethane	83	9.863	9.863	0.0	80	139475	41.8	
101 Bromobenzene	156	9.875	9.875	0.0	88	165865	45.2	
98 trans-1,4-Dichloro-2-butene	53	9.899	9.899	0.0	55	203045	181.4	
99 N-Propylbenzene	91	9.906	9.906	0.0	95	685061	44.9	
100 1,2,3-Trichloropropane	110	9.918	9.918	0.0	42	47082	40.8	
103 2-Chlorotoluene	126	10.033	10.033	0.0	98	161767	46.5	
102 1,3,5-Trimethylbenzene	105	10.064	10.064	0.0	94	491541	46.3	
105 4-Chlorotoluene	126	10.137	10.137	0.0	95	167766	45.1	
106 tert-Butylbenzene	134	10.380	10.380	0.0	83	125407	46.8	
107 1,2,4-Trimethylbenzene	105	10.429	10.429	0.0	84	494625	45.8	
109 sec-Butylbenzene	105	10.581	10.581	0.0	92	637721	46.8	
110 4-Isopropyltoluene	119	10.702	10.702	0.0	95	584757	47.1	
111 1,3-Dichlorobenzene	146	10.739	10.739	0.0	95	319161	45.6	
113 1,4-Dichlorobenzene	146	10.818	10.818	0.0	96	326831	45.3	
115 n-Butylbenzene	91	11.067	11.067	0.0	95	467227	46.1	
116 1,2-Dichlorobenzene	146	11.165	11.165	0.0	98	301789	45.7	
117 1,2-Dibromo-3-Chloropropane	75	11.834	11.834	0.0	74	19899	35.8	
119 1,2,4-Trichlorobenzene	180	12.491	12.491	0.0	90	199863	48.4	
120 Hexachlorobutadiene	225	12.582	12.582	0.0	95	88924	49.6	

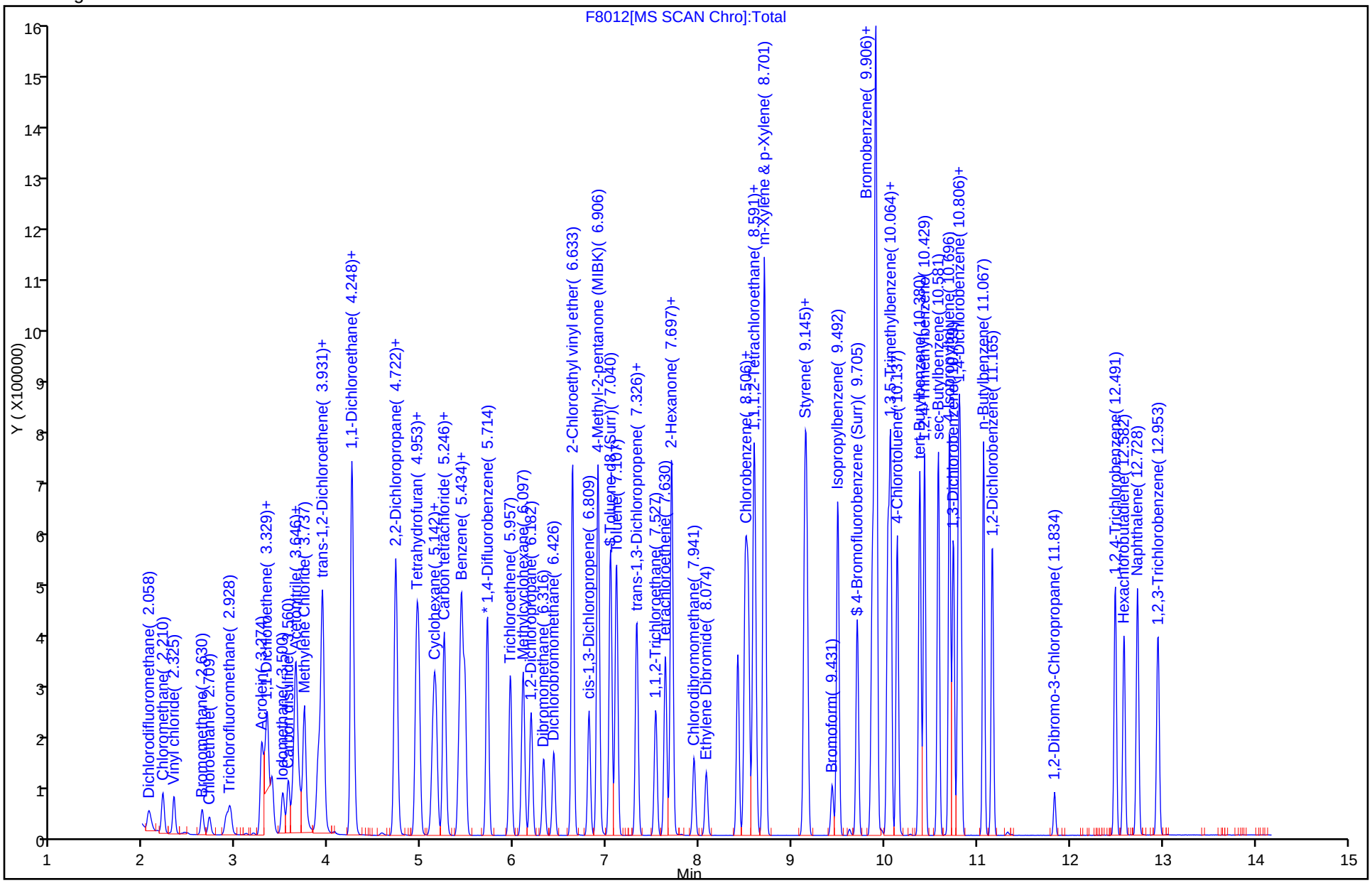
Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/kg	Flags
121 Naphthalene	128	12.728	12.728	0.0	96	513832	42.3	
122 1,2,3-Trichlorobenzene	180	12.953	12.953	0.0	95	177456	47.3	
S 123 Total BTEX	1				0		284.7	
S 124 Xylenes, Total	1				0		143.5	
S 125 1,2-Dichloroethene, Total	1				0		93.7	
S 126 1,3-Dichloropropene, Total	1				0		83.5	

Report Date: 18-Apr-2012 13:21:53 Chrom Revision: 2.0 20-Feb-2012 13:27:02

Data File: \\Bufchrom\ChromData\HP5973F\20120411-10889.b\F8012.D

Injection Date:	11-Apr-2012 09:07:30	Limit Group:	MV - 8260B ICAL
Client ID:		Instrument ID:	HP5973F
Lims Batch ID:	59033	Lims Sample ID:	2
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.: 480-18292-1

SDG No.:

Lab Sample ID: CCV 480-59033/3 Calibration Date: 04/11/2012 09:32

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: F8013.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	0.1466		48.3	50.0	-3.5	50.0
Toluene-d8 (Surr)	Ave	2.361	2.516		53.3	50.0	6.6	50.0
4-Bromofluorobenzene (Surr)	Ave	0.7860	0.8491		54.0	50.0	8.0	50.0

TestAmerica Laboratories
Target Compound Quantitation Report

Data File: \\Bufchrom\ChromData\HP5973F\20120411-10889.b\F8013.D
Lims ID: CCV Client ID:
Inject. Date: 11-Apr-2012 09:32:30 Dil. Factor: 1.0000
Sample Type: CCV
Sample ID: CCV
Misc. Info.: 480-0010889-003 =480-0010889-003
Operator: jmb Instrument ID: HP5973F
Vol. Injected: 1.0000 ALS Bottle#: 3
Lims Batch ID: 59033 Lims Sample ID: 3
Sublist: chrom-F-8260 SOIL*sub5
Detector: MS SCAN

Method: \\Bufchrom\ChromData\HP5973F\20120411-10889.b\F-8260 SOIL.m
Last Update: 18-Apr-2012 13:21:54 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: 11-Apr-2012 18:54:33

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	459619	50.0	
* 2 Chlorobenzene-d5	82	8.494	8.494	0.0	81	192713	50.0	
* 3 1,4-Dichlorobenzene-d4	152	10.800	10.800	0.0	93	229159	50.0	
$ 4 1,2-Dichloroethane-d4 (Surr)	67	5.404	5.404	0.0	99	67398	48.3	
$ 5 Toluene-d8 (Surr)	98	7.040	7.040	0.0	91	484958	53.3	
$ 6 4-Bromofluorobenzene (Surr)	174	9.705	9.705	0.0	91	163628	54.0	
11 Chlorodifluoromethane	51	2.076	2.076	0.0	74	83272	36.5	
16 Dichlorofluoromethane	67	2.885	2.885	0.0	80	125532	39.8	
18 Ethyl ether	59	3.110	3.110	0.0	93	95319	38.8	
19 Propene oxide	58	3.208	3.208	0.0	94	156431	231.8	
24 Isopropyl alcohol	45	3.469	3.469	0.0	98	192879	901.8	
28 3-Chloro-1-propene	41	3.627	3.627	0.0	90	164021	37.7	
31 2-Methyl-2-propanol	59	3.779	3.779	0.0	98	292962	894.6	
35 Hexane	57	4.065	4.065	0.0	93	157535	39.2	
36 Isopropyl ether	45	4.217	4.217	0.0	97	384260	40.1	
38 1,1-Dimethoxyethane	75	4.297	4.297	0.0	94	106747	234.4	
40 2-Chloro-1,3-butadiene	53	4.321	4.321	0.0	87	140219	37.3	
41 Tert-butyl ethyl ether	59	4.503	4.503	0.0	98	321392	39.0	
42 Ethyl acetate	43	4.710	4.710	0.0	98	124984	38.4	
46 Propionitrile	54	4.814	4.814	0.0	99	185719	422.3	
47 Methacrylonitrile	41	4.911	4.911	0.0	94	75460	38.6	
53 Isobutyl alcohol	43	5.294	5.294	0.0	95	286658	1841.8	
56 Tert-amyl methyl ether	73	5.440	5.440	0.0	97	284635	40.6	
59 n-Heptane	43	5.519	5.519	0.0	94	181469	38.9	
60 n-Butanol	56	5.848	5.848	0.0	89	171973	1566.3	
63 Methyl methacrylate	41	6.189	6.189	0.0	93	103008	36.8	
66 1,4-Dioxane	88	6.286	6.286	0.0	92	56766	2140.6	
70 2-Nitropropane	43	6.639	6.639	0.0	97	120564	223.2	
71 Epichlorohydrin	57	6.748	6.748	0.0	98	265455	773.6	
85 3-Chlorobenzotrifluoride	180	8.415	8.415	0.0	90	175056	43.3	

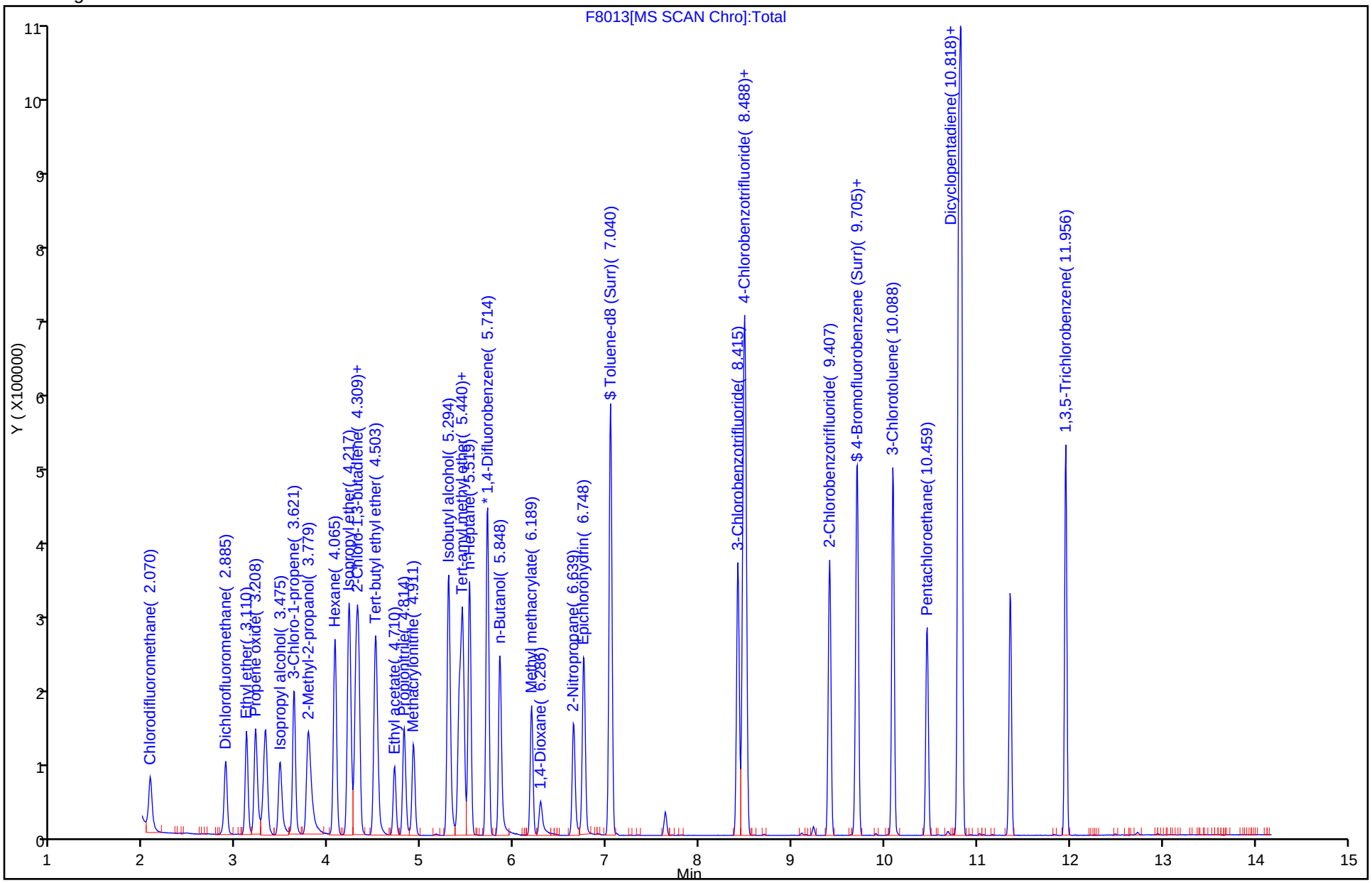
Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/kg	Flags
86 4-Chlorobenzotrifluoride	180	8.476	8.476	0.0	90	170341	44.0	
93 2-Chlorobenzotrifluoride	180	9.407	9.407	0.0	97	172060	44.9	
96 Cyclohexanone	55	9.693	9.693	0.0	88	53311	389.0	
104 3-Chlorotoluene	126	10.088	10.088	0.0	94	147120	41.0	
108 Pentachloroethane	167	10.459	10.459	0.0	82	57984	50.2	
114 Dicyclopentadiene	66	10.818	10.818	0.0	96	444705	38.5	
112 1,2,3-Trimethylbenzene	105	10.830	10.830	0.0	93	445327	40.8	
118 1,3,5-Trichlorobenzene	180	11.956	11.956	0.0	97	193525	45.8	

Report Date: 18-Apr-2012 13:21:54 Chrom Revision: 2.0 20-Feb-2012 13:27:02

Data File: \\Bufchrom\ChromData\HP5973F\20120411-10889.b\F8013.D

Injection Date:	11-Apr-2012 09:32:30	Limit Group:	MV - 8260B ICAL
Client ID:		Instrument ID:	HP5973F
Lims Batch ID:	59033	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.: 480-18292-1

SDG No.:

Lab Sample ID: CCV 480-59033/3 Calibration Date: 04/11/2012 09:32

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: F8013.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	0.1812		36.5	50.0	-26.9	50.0
Dichlorofluoromethane	Ave	0.3433	0.2731		39.8	50.0	-20.4	50.0
Ethyl ether	Ave	0.2676	0.2074		38.8	50.0	-22.5	50.0
Isopropyl alcohol	Ave	0.0233	0.0210		902	1000	-9.8	50.0
Allyl chloride	Ave	0.4731	0.3569		37.7	50.0	-24.6	50.0
t-Butyl alcohol	Ave	0.0356	0.0319		895	1000	-10.5	50.0
Hexane	Ave	0.4368	0.3428		39.2	50.0	-21.5	50.0
Isopropyl ether	Ave	1.043	0.8360		40.1	50.0	-19.9	50.0
1,1-Dimethoxyethane	Ave	0.0495	0.0465		234	250	-6.3	50.0
Chloroprene	Ave	0.4089	0.3051		37.3	50.0	-25.4	50.0
Tert-butyl ethyl ether	Ave	0.8965	0.6993		39.0	50.0	-22.0	50.0
Ethyl acetate	Ave	0.3537	0.2719		38.4	50.0	-23.1	50.0
Propionitrile	Ave	0.0478	0.0404		422	500	-15.5	50.0
Methacrylonitrile	Ave	0.2127	0.1642		38.6	50.0	-22.8	50.0
Isobutyl alcohol	Ave	0.0169	0.0156		1840	2000	-7.9	50.0
Tert-amyl methyl ether	Ave	0.7627	0.6193		40.6	50.0	-18.8	50.0
n-Heptane	Ave	0.5076	0.3948		38.9	50.0	-22.2	50.0
n-Butanol	LinF		0.0094		1570	2000	-21.7	50.0
Methyl methacrylate	Ave	0.3042	0.2241		36.8	50.0	-26.3	50.0
1,4-Dioxane	Ave	0.0069	0.0074		2140	2000	7.0	50.0
2-Nitropropane	QuaF		0.1052		223	250	-10.7	50.0
Epichlorohydrin	Ave	0.0373	0.0289		774	1000	-22.6	50.0
3-Chlorobenzotrifluoride	Ave	0.8825	0.7639		43.3	50.0	-13.4	50.0
p-Monochlorobenzotrifluoride	Ave	0.8446	0.7433		44.0	50.0	-12.0	50.0
2-Chlorobenzotrifluoride	Ave	0.8367	0.7508		44.9	50.0	-10.3	50.0
Cyclohexanone	Ave	0.0299	0.0233		389	500	-22.2	50.0
3-Chlorotoluene	Ave	0.7836	0.6420		41.0	50.0	-18.1	50.0
Pentachloroethane	Ave	0.2520	0.2530		50.2	50.0	0.4	50.0
Dicyclopentadiene	Ave	2.520	1.941		38.5	50.0	-23.0	50.0
1,2,3-Trimethylbenzene	Ave	2.381	1.943		40.8	50.0	-18.4	50.0
1,3,5-Trichlorobenzene	Ave	0.9214	0.8445		45.8	50.0	-8.3	50.0

TestAmerica Laboratories
Target Compound Quantitation Report

Data File: \\Bufchrom\ChromData\HP5973F\20120411-10889.b\F8013.D
Lims ID: CCV Client ID:
Inject. Date: 11-Apr-2012 09:32:30 Dil. Factor: 1.0000
Sample Type: CCV
Sample ID: CCV
Misc. Info.: 480-0010889-003 =480-0010889-003
Operator: jmb Instrument ID: HP5973F
Vol. Injected: 1.0000 ALS Bottle#: 3
Lims Batch ID: 59033 Lims Sample ID: 3
Sublist: chrom-F-8260 SOIL*sub5
Detector: MS SCAN

Method: \\Bufchrom\ChromData\HP5973F\20120411-10889.b\F-8260 SOIL.m
Last Update: 18-Apr-2012 13:21:54 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: 11-Apr-2012 18:54:33

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	459619	50.0	
* 2 Chlorobenzene-d5	82	8.494	8.494	0.0	81	192713	50.0	
* 3 1,4-Dichlorobenzene-d4	152	10.800	10.800	0.0	93	229159	50.0	
$ 4 1,2-Dichloroethane-d4 (Surr)	67	5.404	5.404	0.0	99	67398	48.3	
$ 5 Toluene-d8 (Surr)	98	7.040	7.040	0.0	91	484958	53.3	
$ 6 4-Bromofluorobenzene (Surr)	174	9.705	9.705	0.0	91	163628	54.0	
11 Chlorodifluoromethane	51	2.076	2.076	0.0	74	83272	36.5	
16 Dichlorofluoromethane	67	2.885	2.885	0.0	80	125532	39.8	
18 Ethyl ether	59	3.110	3.110	0.0	93	95319	38.8	
19 Propene oxide	58	3.208	3.208	0.0	94	156431	231.8	
24 Isopropyl alcohol	45	3.469	3.469	0.0	98	192879	901.8	
28 3-Chloro-1-propene	41	3.627	3.627	0.0	90	164021	37.7	
31 2-Methyl-2-propanol	59	3.779	3.779	0.0	98	292962	894.6	
35 Hexane	57	4.065	4.065	0.0	93	157535	39.2	
36 Isopropyl ether	45	4.217	4.217	0.0	97	384260	40.1	
38 1,1-Dimethoxyethane	75	4.297	4.297	0.0	94	106747	234.4	
40 2-Chloro-1,3-butadiene	53	4.321	4.321	0.0	87	140219	37.3	
41 Tert-butyl ethyl ether	59	4.503	4.503	0.0	98	321392	39.0	
42 Ethyl acetate	43	4.710	4.710	0.0	98	124984	38.4	
46 Propionitrile	54	4.814	4.814	0.0	99	185719	422.3	
47 Methacrylonitrile	41	4.911	4.911	0.0	94	75460	38.6	
53 Isobutyl alcohol	43	5.294	5.294	0.0	95	286658	1841.8	
56 Tert-amyl methyl ether	73	5.440	5.440	0.0	97	284635	40.6	
59 n-Heptane	43	5.519	5.519	0.0	94	181469	38.9	
60 n-Butanol	56	5.848	5.848	0.0	89	171973	1566.3	
63 Methyl methacrylate	41	6.189	6.189	0.0	93	103008	36.8	
66 1,4-Dioxane	88	6.286	6.286	0.0	92	56766	2140.6	
70 2-Nitropropane	43	6.639	6.639	0.0	97	120564	223.2	
71 Epichlorohydrin	57	6.748	6.748	0.0	98	265455	773.6	
85 3-Chlorobenzotrifluoride	180	8.415	8.415	0.0	90	175056	43.3	

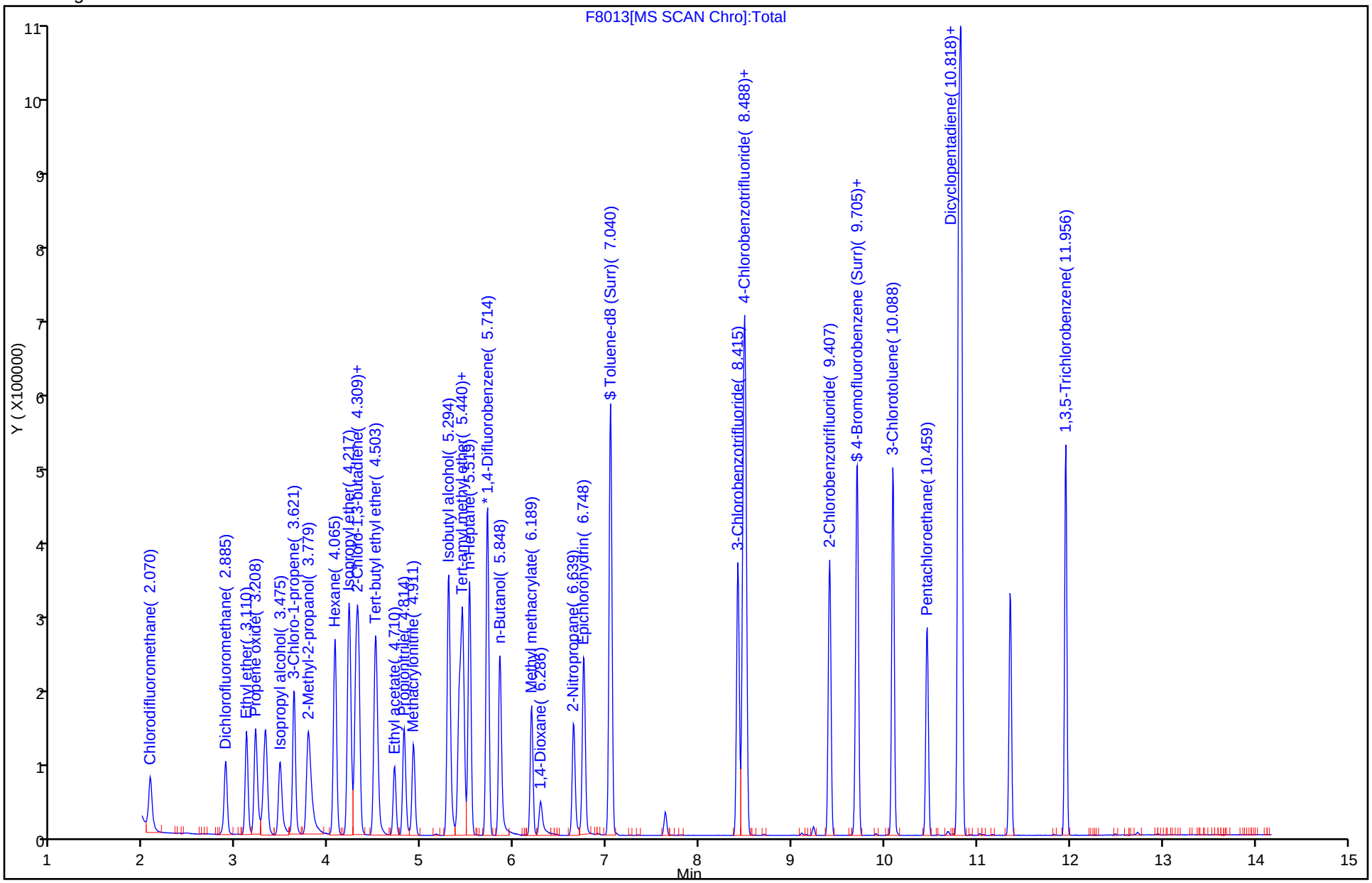
Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/kg	Flags
86 4-Chlorobenzotrifluoride	180	8.476	8.476	0.0	90	170341	44.0	
93 2-Chlorobenzotrifluoride	180	9.407	9.407	0.0	97	172060	44.9	
96 Cyclohexanone	55	9.693	9.693	0.0	88	53311	389.0	
104 3-Chlorotoluene	126	10.088	10.088	0.0	94	147120	41.0	
108 Pentachloroethane	167	10.459	10.459	0.0	82	57984	50.2	
114 Dicyclopentadiene	66	10.818	10.818	0.0	96	444705	38.5	
112 1,2,3-Trimethylbenzene	105	10.830	10.830	0.0	93	445327	40.8	
118 1,3,5-Trichlorobenzene	180	11.956	11.956	0.0	97	193525	45.8	

Report Date: 18-Apr-2012 13:21:54 Chrom Revision: 2.0 20-Feb-2012 13:27:02

Data File: \\Bufchrom\ChromData\HP5973F\20120411-10889.b\F8013.D

Injection Date:	11-Apr-2012 09:32:30	Limit Group:	MV - 8260B ICAL
Client ID:		Instrument ID:	HP5973F
Lims Batch ID:	59033	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.: 480-18292-1

SDG No.:

Lab Sample ID: CCVIS 480-59441/2 Calibration Date: 04/13/2012 09:56

Instrument ID: HP5973G Calib Start Date: 04/09/2012 20:15

GC Column: ZB-624 (60) ID: 0.25(mm) Calib End Date: 04/09/2012 22:09

Lab File ID: G11022.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	0.4294	0.4134		24.1	25.0	-3.7	50.0
Chloromethane	Ave	0.6789	0.6553	0.1000	24.1	25.0	-3.5	50.0
Vinyl chloride	Ave	0.5844	0.5909		25.3	25.0	1.1	20.0
Bromomethane	QuaF		0.0950		21.2	25.0	-15.2	50.0
Chloroethane	Ave	0.2790	0.2520		22.6	25.0	-9.7	50.0
Trichlorofluoromethane	Lin1F		0.4305		22.8	25.0	-8.8	50.0
Acrolein	Ave	0.0447	0.0454		509	500	1.7	50.0
1,1,2-Trichloro-1,2,2-trifluoroethane	Ave	0.3255	0.3367		25.9	25.0	3.4	50.0
1,1-Dichloroethene	Ave	0.3701	0.3545	0.1000	23.9	25.0	-4.2	20.0
Acetone	Ave	0.2016	0.2016		125	125	0.0	50.0
Iodomethane	Ave	0.3520	0.3369		23.9	25.0	-4.3	50.0
Carbon disulfide	Ave	0.8992	0.7703		21.4	25.0	-14.3	50.0
Methyl acetate	Ave	0.7292	0.7536		25.8	25.0	3.3	50.0
Acetonitrile	Ave	0.0508	0.0560		1100	1000	10.2	50.0
Methylene Chloride	Ave	0.4522	0.4788		26.5	25.0	5.9	50.0
Methyl tert-butyl ether	Ave	1.050	1.331		31.7	25.0	26.7	50.0
trans-1,2-Dichloroethene	Ave	0.4203	0.4077		24.2	25.0	-3.0	50.0
Acrylonitrile	Ave	0.2647	0.2886		136	125	9.0	50.0
1,1-Dichloroethane	Ave	0.6794	0.7344		27.0	25.0	8.1	50.0
Vinyl acetate	Ave	0.9164	1.165		159	125	27.1	50.0
2,2-Dichloropropane	Ave	0.2572	0.2368		23.0	25.0	-7.9	50.0
cis-1,2-Dichloroethene	Ave	0.3738	0.3964		26.5	25.0	6.0	50.0
2-Butanone (MEK)	Ave	0.3857	0.4128		134	125	7.0	50.0
Bromochloromethane	Ave	0.1533	0.1767		28.8	25.0	15.3	50.0
Tetrahydrofuran	Ave	0.2726	0.2837		130	125	4.1	50.0
Chloroform	Ave	0.3712	0.3930		26.5	25.0	5.9	20.0
1,1,1-Trichloroethane	Ave	0.3735	0.3329		22.3	25.0	-10.9	50.0
Cyclohexane	Ave	0.9683	0.9926		25.6	25.0	2.5	50.0
Carbon tetrachloride	LinF		0.2868		16.5	25.0	-34.0	50.0
1,1-Dichloropropene	Ave	0.5288	0.5280		25.0	25.0	-0.2	50.0
Benzene	Ave	1.524	1.593		26.1	25.0	4.5	50.0
1,2-Dichloroethane	Ave	0.4942	0.5639		28.5	25.0	14.1	50.0
Trichloroethene	Ave	0.3732	0.3796		25.4	25.0	1.7	50.0
Methylcyclohexane	Ave	0.6878	0.7278		26.5	25.0	5.8	50.0
1,2-Dichloropropane	Ave	0.3945	0.4456		28.2	25.0	12.9	20.0
Dibromomethane	Ave	0.1832	0.2177		29.7	25.0	18.9	50.0
Bromodichloromethane	Lin1F		0.3235		21.0	25.0	-16.0	50.0
2-Chloroethyl vinyl ether	Ave	0.2854	0.3795		166	125	33.0	50.0
cis-1,3-Dichloropropene	Lin1F		0.5298		25.1	25.0	0.4	50.0
4-Methyl-2-pentanone (MIBK)	Ave	1.374	1.588		145	125	15.6	50.0

FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Buffalo Job No.: 480-18292-1

SDG No.:

Lab Sample ID: CCVIS 480-59441/2 Calibration Date: 04/13/2012 09:56

Instrument ID: HP5973G Calib Start Date: 04/09/2012 20:15

GC Column: ZB-624 (60) ID: 0.25(mm) Calib End Date: 04/09/2012 22:09

Lab File ID: G11022.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	2.013	2.020		25.1	25.0	0.3	20.0
trans-1,3-Dichloropropene	Lin1F		0.9675		25.1	25.0	0.4	50.0
Ethyl methacrylate	Ave	0.9933	1.307		32.9	25.0	31.6	50.0
1,1,2-Trichloroethane	Ave	0.5112	0.5990		29.3	25.0	17.2	50.0
Tetrachloroethene	Ave	0.7667	0.7548		24.6	25.0	-1.5	50.0
1,3-Dichloropropane	Ave	1.126	1.352		30.0	25.0	20.1	50.0
2-Hexanone	Ave	1.087	1.214		140	125	11.7	50.0
Dibromochloromethane	QuaF		0.3740		22.3	25.0	-10.8	50.0
1,2-Dibromoethane	Ave	0.6112	0.7206		29.5	25.0	17.9	50.0
Chlorobenzene	Ave	2.107	2.187	0.3000	26.0	25.0	3.8	50.0
Ethylbenzene	Ave	3.777	3.821		25.3	25.0	1.2	20.0
1,1,1,2-Tetrachloroethane	Lin1F		0.4998		20.8	25.0	-16.8	50.0
m,p-Xylene	Ave	1.470	1.465		49.8	50.0	-0.4	50.0
o-Xylene	Ave	1.373	1.430		26.0	25.0	4.2	50.0
Styrene	Ave	2.208	2.408		27.3	25.0	9.0	50.0
Bromoform	QuaF		0.1998	0.1000	22.6	25.0	-9.6	50.0
Isopropylbenzene	Ave	3.966	3.771		23.8	25.0	-4.9	50.0
Bromobenzene	Ave	0.8364	0.8759		26.2	25.0	4.7	50.0
1,1,2,2-Tetrachloroethane	Ave	0.996	1.111	0.3000	27.9	25.0	11.6	50.0
N-Propylbenzene	Ave	4.900	4.744		24.2	25.0	-3.2	50.0
1,2,3-Trichloropropane	Ave	0.3388	0.3700		27.3	25.0	9.2	50.0
trans-1,4-Dichloro-2-butene	LinF		0.4341		141	125	12.6	50.0
2-Chlorotoluene	Ave	0.9263	0.8985		24.2	25.0	-3.0	50.0
1,3,5-Trimethylbenzene	Ave	3.341	3.249		24.3	25.0	-2.8	50.0
4-Chlorotoluene	Ave	0.9698	0.9599		24.7	25.0	-1.0	50.0
tert-Butylbenzene	Ave	0.7380	0.7065		23.9	25.0	-4.3	50.0
1,2,4-Trimethylbenzene	Ave	3.339	3.336		25.0	25.0	-0.0	50.0
sec-Butylbenzene	Ave	4.264	4.010		23.5	25.0	-5.9	50.0
1,3-Dichlorobenzene	Ave	1.800	1.783		24.8	25.0	-0.9	50.0
4-Isopropyltoluene	Ave	3.531	3.397		24.1	25.0	-3.8	50.0
1,4-Dichlorobenzene	Ave	1.864	1.872		25.1	25.0	0.4	50.0
n-Butylbenzene	Ave	3.316	3.251		24.5	25.0	-1.9	50.0
1,2-Dichlorobenzene	Ave	1.682	1.749		26.0	25.0	4.0	50.0
1,2-Dibromo-3-Chloropropane	Ave	0.1921	0.1680		21.9	25.0	-12.6	50.0
1,2,4-Trichlorobenzene	QuaF		1.108		28.8	25.0	15.2	50.0
Hexachlorobutadiene	QuaF		0.4212		27.0	25.0	8.0	50.0
Naphthalene	QuaF		3.838		29.6	25.0	18.4	50.0
1,2,3-Trichlorobenzene	QuaF		0.9741		28.7	25.0	14.8	50.0
1,2-Dichloroethane-d4 (Surr)	Ave	0.1836	0.2162		29.4	25.0	17.7	50.0
Toluene-d8 (Surr)	Lin1F		2.679		24.5	25.0	-2.0	50.0
4-Bromofluorobenzene (Surr)	Ave	0.6823	0.7516		27.5	25.0	10.2	50.0

TestAmerica Laboratories
Target Compound Quantitation Report

Data File: \\Bufchrom\ChromData\HP5973G\20120413-10963.b\G11022.D
Lims ID: CCVIS Client ID:
Inject. Date: 13-Apr-2012 09:56:30 Dil. Factor: 1.0000
Sample Type: CCVIS
Sample ID: CCVIS
Misc. Info.: 480-0010963-002 =480-0010963-002
Operator: DHC Instrument ID: HP5973G
Vol. Injected: 1.0000 ALS Bottle#: 2
Lims Batch ID: 59441 Lims Sample ID: 2
Sublist: chrom-G-8260*sub1
Detector: MS SCAN

Method: \\Bufchrom\ChromData\HP5973G\20120413-10963.b\G-8260.m
Last Update: 18-Apr-2012 13:25:21 Calib Date: 10-Apr-2012 01:42:30
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\Bufchrom\ChromData\HP5973G\20120409-10850.b\G10850.D
Limit Group: MV - 8260B ICAL
Integrator: RTE ID Type: Deconvolution ID
Process Host: CORP-CTX-19

First Level Reviewer: coderd Date: 13-Apr-2012 10:15:40

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	472204	25.0	
* 2 Chlorobenzene-d5	82	8.221	8.221	0.0	86	237152	25.0	
* 3 1,4-Dichlorobenzene-d4	152	10.629	10.629	0.0	74	235965	25.0	
$ 4 1,2-Dichloroethane-d4 (Surr)	67	4.972	4.972	0.0	0	102099	29.4	
$ 5 Toluene-d8 (Surr)	98	6.740	6.740	0.0	91	635249	24.5	
$ 6 4-Bromofluorobenzene (Surr)	174	9.477	9.477	0.0	82	178248	27.5	
10 Dichlorodifluoromethane	85	1.241	1.241	0.0	87	195203	24.1	
12 Chloromethane	50	1.375	1.375	0.0	89	309442	24.1	
13 Vinyl chloride	62	1.479	1.479	0.0	83	279019	25.3	
14 Bromomethane	94	1.747	1.747	0.0	89	44834	21.2	
15 Chloroethane	64	1.857	1.857	0.0	94	118979	22.6	
17 Trichlorofluoromethane	101	2.094	2.094	0.0	84	203301	22.8	
19 Acrolein	56	2.491	2.491	0.0	98	428958	508.5	
21 1,1,2-Trichloro-1,2,2-trifluoroe	101	2.552	2.552	0.0	80	158976	25.9	
20 1,1-Dichloroethene	96	2.552	2.552	0.0	85	167401	23.9	
22 Acetone	43	2.649	2.649	0.0	99	476007	125.0	
23 Iodomethane	142	2.728	2.728	0.0	98	159096	23.9	
24 Carbon disulfide	76	2.765	2.765	0.0	100	363737	21.4	
28 Methyl acetate	43	2.936	2.936	0.0	97	355858	25.8	
27 Acetonitrile	40	2.954	2.954	0.0	99	1058263	1102.0	
29 Methylene Chloride	84	3.082	3.082	0.0	88	226106	26.5	
31 Methyl tert-butyl ether	73	3.234	3.234	0.0	93	628463	31.7	
32 trans-1,2-Dichloroethene	96	3.241	3.241	0.0	92	192505	24.2	
33 Acrylonitrile	53	3.314	3.314	0.0	100	681300	136.3	
36 1,1-Dichloroethane	63	3.655	3.655	0.0	85	346792	27.0	
38 Vinyl acetate	43	3.716	3.716	0.0	97	2749633	158.9	
42 2,2-Dichloropropane	77	4.161	4.161	0.0	91	111794	23.0	
43 cis-1,2-Dichloroethene	96	4.198	4.198	0.0	72	187167	26.5	
44 2-Butanone (MEK)	43	4.253	4.253	0.0	99	974621	133.8	
48 Chlorobromomethane	128	4.435	4.435	0.0	88	83441	28.8	

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/L	Flags
49 Tetrahydrofuran	42	4.466	4.466	0.0	94	669884	130.1	
50 Chloroform	85	4.515	4.515	0.0	82	185554	26.5	
52 Cyclohexane	56	4.618	4.618	0.0	93	468727	25.6	
51 1,1,1-Trichloroethane	97	4.618	4.618	0.0	93	157201	22.3	
53 Carbon tetrachloride	117	4.752	4.752	0.0	69	135403	16.5	
54 1,1-Dichloropropene	75	4.765	4.765	0.0	92	249301	25.0	
56 Benzene	78	4.972	4.972	0.0	96	752315	26.1	
57 1,2-Dichloroethane	62	5.045	5.045	0.0	89	266255	28.5	
61 Trichloroethene	95	5.575	5.575	0.0	94	179243	25.4	
62 Methylcyclohexane	83	5.691	5.691	0.0	97	343654	26.5	
63 1,2-Dichloropropane	63	5.819	5.819	0.0	93	210415	28.2	
65 Dibromomethane	93	5.960	5.960	0.0	90	102819	29.7	
67 Dichlorobromomethane	83	6.112	6.112	0.0	92	152735	21.0	
70 2-Chloroethyl vinyl ether	63	6.392	6.392	0.0	92	896069	166.2	
72 cis-1,3-Dichloropropene	75	6.527	6.527	0.0	85	250161	25.1	
73 4-Methyl-2-pentanone (MIBK)	43	6.679	6.679	0.0	97	1883329	144.5	
74 Toluene	92	6.807	6.807	0.0	98	478946	25.1	
76 trans-1,3-Dichloropropene	75	7.093	7.093	0.0	94	229453	25.1	
78 Ethyl methacrylate	69	7.142	7.142	0.0	95	310001	32.9	
79 1,1,2-Trichloroethane	83	7.282	7.282	0.0	88	142044	29.3	
80 Tetrachloroethene	166	7.331	7.331	0.0	83	179000	24.6	
81 1,3-Dichloropropane	76	7.441	7.441	0.0	97	320676	30.0	
82 2-Hexanone	43	7.514	7.514	0.0	98	1438933	139.6	
83 Chlorodibromomethane	129	7.679	7.679	0.0	88	88703	22.3	
84 Ethylene Dibromide	107	7.776	7.776	0.0	97	170898	29.5	
86 Chlorobenzene	112	8.252	8.252	0.0	91	518756	26.0	
89 Ethylbenzene	91	8.343	8.343	0.0	99	906223	25.3	
88 1,1,1,2-Tetrachloroethane	131	8.349	8.349	0.0	85	118526	20.8	
90 m-Xylene & p-Xylene	106	8.465	8.465	0.0	100	694665	49.8	
91 o-Xylene	106	8.892	8.892	0.0	98	339159	26.0	
92 Styrene	104	8.922	8.922	0.0	95	570977	27.3	
93 Bromoform	173	9.172	9.172	0.0	95	47387	22.6	
95 Isopropylbenzene	105	9.276	9.276	0.0	96	889891	23.8	
97 Bromobenzene	156	9.623	9.623	0.0	98	206674	26.2	
98 1,1,2,2-Tetrachloroethane	83	9.697	9.697	0.0	73	262209	27.9	
101 N-Propylbenzene	91	9.715	9.715	0.0	98	1119341	24.2	
99 1,2,3-Trichloropropane	110	9.727	9.727	0.0	76	87304	27.3	
100 trans-1,4-Dichloro-2-butene	53	9.745	9.745	0.0	84	512123	140.7	
102 2-Chlorotoluene	126	9.819	9.819	0.0	94	212014	24.2	
104 1,3,5-Trimethylbenzene	105	9.898	9.898	0.0	93	766587	24.3	
105 4-Chlorotoluene	126	9.928	9.928	0.0	95	226495	24.7	
106 tert-Butylbenzene	134	10.215	10.215	0.0	93	166697	23.9	
107 1,2,4-Trimethylbenzene	105	10.270	10.270	0.0	98	787282	25.0	
109 sec-Butylbenzene	105	10.428	10.428	0.0	95	946307	23.5	
110 1,3-Dichlorobenzene	146	10.562	10.562	0.0	96	420819	24.8	
111 4-Isopropyltoluene	119	10.575	10.575	0.0	97	801624	24.1	
113 1,4-Dichlorobenzene	146	10.654	10.654	0.0	92	441774	25.1	
115 n-Butylbenzene	91	10.965	10.965	0.0	98	767209	24.5	
116 1,2-Dichlorobenzene	146	11.007	11.007	0.0	94	412600	26.0	
117 1,2-Dibromo-3-Chloropropane	75	11.751	11.751	0.0	78	39632	21.9	
119 1,2,4-Trichlorobenzene	180	12.422	12.422	0.0	94	261350	28.8	
120 Hexachlorobutadiene	225	12.531	12.531	0.0	94	99396	27.0	

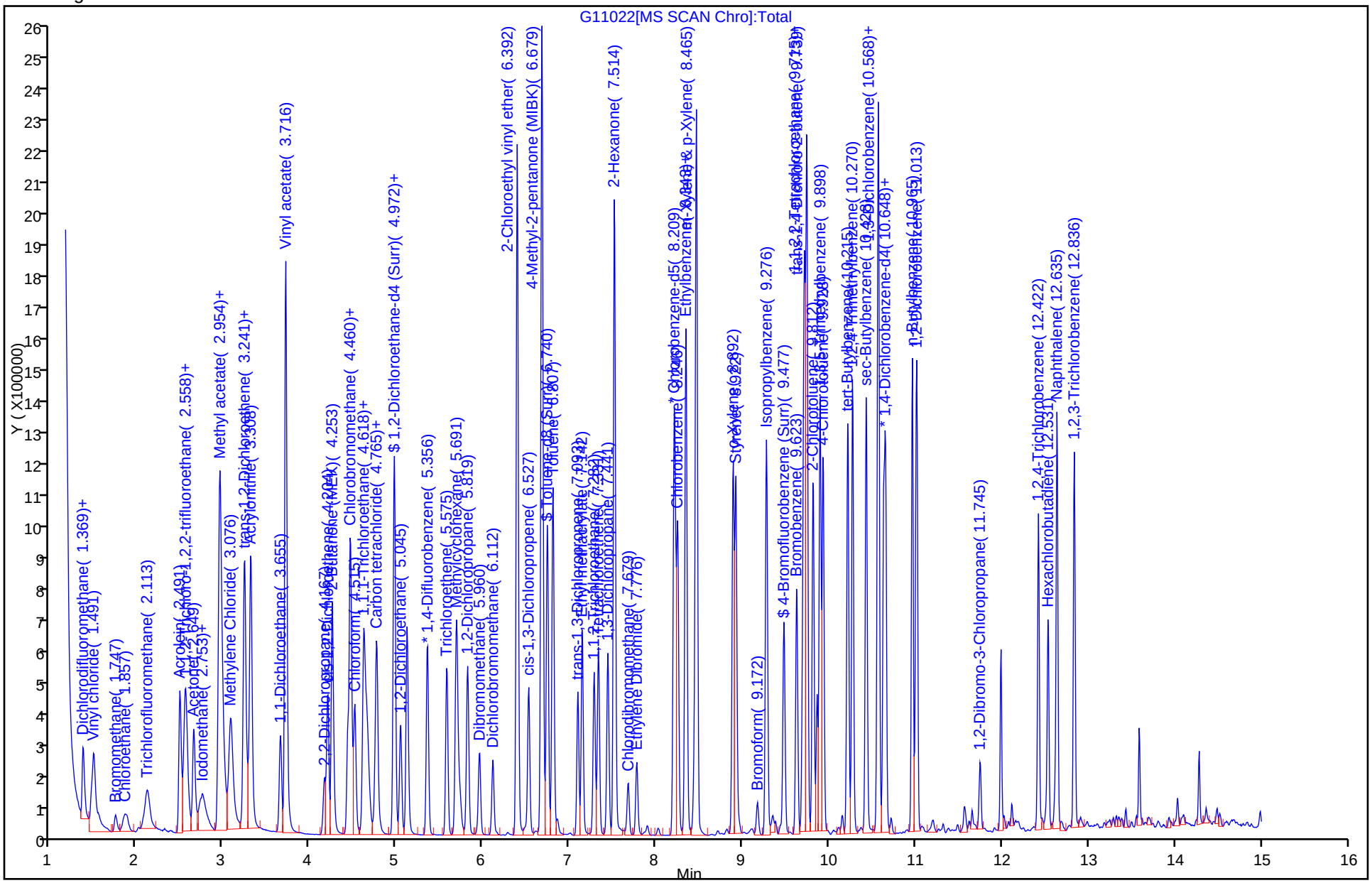
Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/L	Flags
121 Naphthalene	128	12.635	12.635	0.0	97	905595	29.6	
122 1,2,3-Trichlorobenzene	180	12.836	12.836	0.0	93	229842	28.7	
S 125 1,2-Dichloroethene, Total	1				0		50.8	
S 126 1,3-Dichloropropene, Total	1				0		50.2	
S 123 Total BTEX	1				0		152.3	
S 124 Xylenes, Total	1				0		75.8	

Report Date: 18-Apr-2012 13:25:21 Chrom Revision: 2.0 20-Feb-2012 13:27:02

Data File: \\Bufchrom\ChromData\HP5973G\20120413-10963.b\G11022.D

Injection Date:	13-Apr-2012 09:56:30	Limit Group:	MV - 8260B ICAL
Client ID:		Instrument ID:	HP5973G
Lims Batch ID:	59441	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.: 480-18292-1

SDG No.:

Lab Sample ID: CCV 480-59441/3 Calibration Date: 04/13/2012 10:31

Instrument ID: HP5973G Calib Start Date: 04/09/2012 20:15

GC Column: ZB-624 (60) ID: 0.25(mm) Calib End Date: 04/09/2012 22:09

Lab File ID: G11023.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	0.1836	0.2202		30.0	25.0	19.9	50.0
Toluene-d8 (Surr)	Lin1F		2.694		24.6	25.0	-1.6	50.0
4-Bromofluorobenzene (Surr)	Ave	0.6823	0.7572		27.7	25.0	11.0	50.0

TestAmerica Laboratories
Target Compound Quantitation Report

Data File: \\Bufchrom\ChromData\HP5973G\20120413-10963.b\G11023.D
Lims ID: CCV Client ID:
Inject. Date: 13-Apr-2012 10:31:30 Dil. Factor: 1.0000
Sample Type: CCV
Sample ID: CCV
Misc. Info.: 480-0010963-003 =480-0010963-003
Operator: DHC Instrument ID: HP5973G
Vol. Injected: 1.0000 ALS Bottle#: 3
Lims Batch ID: 59441 Lims Sample ID: 3
Sublist: chrom-G-8260*sub6
Detector: MS SCAN

Method: \\Bufchrom\ChromData\HP5973G\20120413-10963.b\G-8260.m
Last Update: 18-Apr-2012 13:25:23 Calib Date: 10-Apr-2012 01:42:30
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\Bufchrom\ChromData\HP5973G\20120409-10850.b\G10850.D
Limit Group: MV - 8260B ICAL
Integrator: RTE ID Type: Deconvolution ID
Process Host: CORP-CTX-19

First Level Reviewer: coderd Date: 13-Apr-2012 12:51:31

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	467474	25.0	
* 2 Chlorobenzene-d5	82	8.215	8.215	0.0	88	234400	25.0	
* 3 1,4-Dichlorobenzene-d4	152	10.630	10.630	0.0	66	227175	25.0	
$ 4 1,2-Dichloroethane-d4 (Surr)	67	4.972	4.972	0.0	0	102921	30.0	
$ 5 Toluene-d8 (Surr)	98	6.740	6.740	0.0	93	631430	24.6	
$ 6 4-Bromofluorobenzene (Surr)	174	9.477	9.477	0.0	83	177498	27.7	
11 Chlorodifluoromethane	51	1.272	1.272	0.0	76	193431	15.8	
16 Dichlorofluoromethane	67	2.064	2.064	0.0	83	180413	16.3	
18 Ethyl ether	59	2.314	2.314	0.0	98	179146	28.5	
68 Propene oxide	58	2.399	2.399	0.0	95	317658	132.8	
25 Isopropyl alcohol	45	2.844	2.844	0.0	99	631180	525.2	
26 3-Chloro-1-propene	41	2.966	2.966	0.0	88	120456	20.6	
30 2-Methyl-2-propanol	59	3.216	3.216	0.0	98	989141	553.2	
34 Hexane	57	3.430	3.430	0.0	94	352780	24.3	
37 Isopropyl ether	45	3.674	3.674	0.0	96	834987	28.2	
39 2-Chloro-1,3-butadiene	53	3.710	3.710	0.0	90	357149	23.1	
40 1,1-Dimethoxyethane	75	3.753	3.753	0.0	95	284472	144.1	
41 Tert-butyl ethyl ether	59	4.009	4.009	0.0	99	689806	29.4	
45 Ethyl acetate	43	4.283	4.283	0.0	99	375190	28.9	
46 Propionitrile	54	4.356	4.356	0.0	99	608840	266.5	
47 Methacrylonitrile	41	4.460	4.460	0.0	95	216344	27.5	
55 Isobutyl alcohol	43	5.021	5.021	0.0	95	1191996	1111.4	
58 Tert-amyl methyl ether	73	5.057	5.057	0.0	89	579489	30.8	
59 n-Heptane	43	5.149	5.149	0.0	97	389162	26.3	
60 n-Butanol	56	5.637	5.637	0.0	89	546854	1124.2	
64 Methyl methacrylate	41	5.929	5.929	0.0	95	295438	30.8	
66 1,4-Dioxane	88	5.972	5.972	0.0	94	122032	1052.6	
69 2-Nitropropane	43	6.368	6.368	0.0	97	173879	92.6	
71 Epichlorohydrin	57	6.484	6.484	0.0	98	838253	538.8	
75 2-Methylthiophene	97	6.941	6.941	0.0	98	612710	26.9	

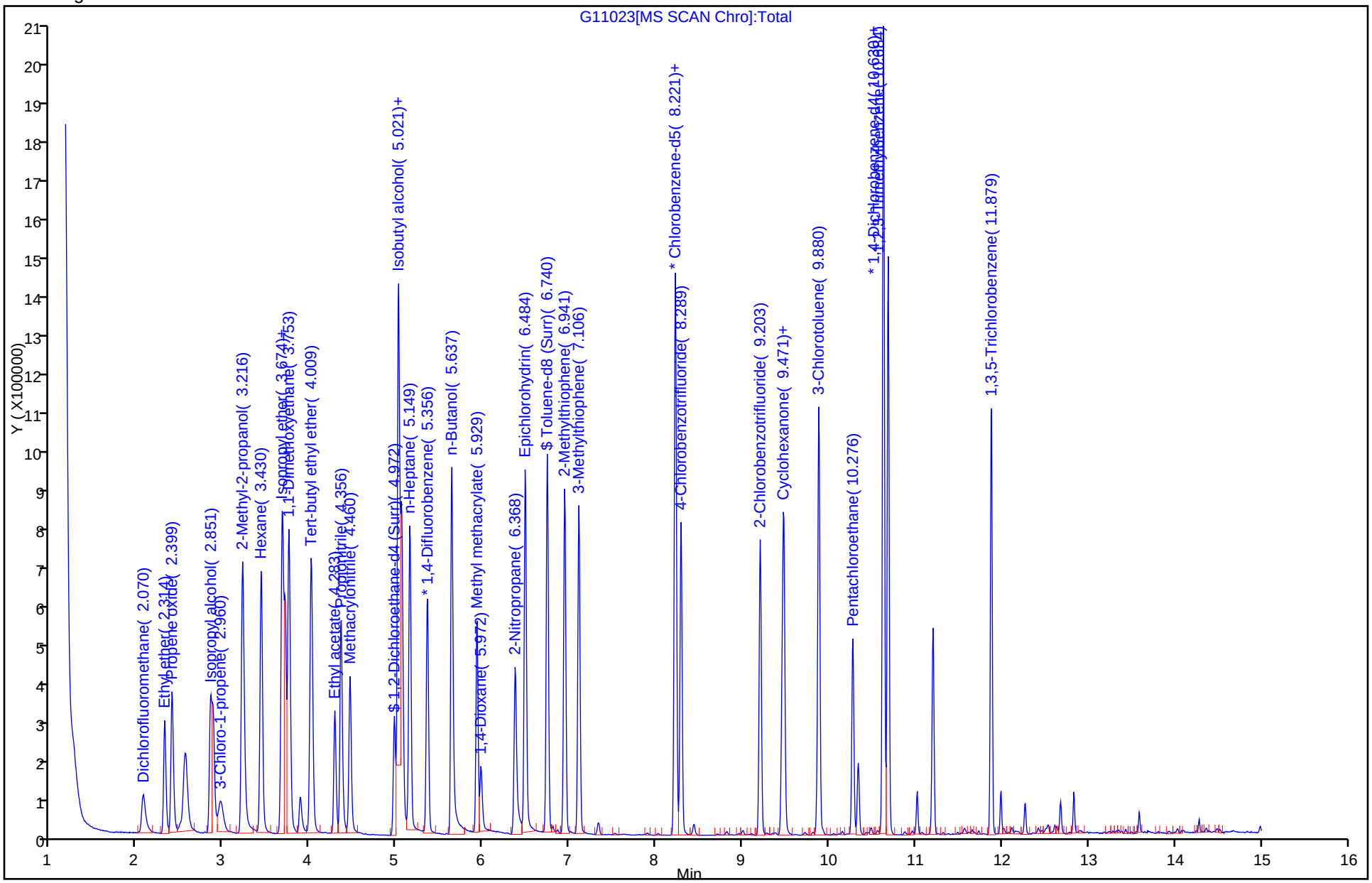
Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/L	Flags
77 3-Methylthiophene	97	7.106	7.106	0.0	100	591693	25.0	
85 3-Chlorobenzotrifluoride	180	8.228	8.228	0.0	92	259902	24.2	
87 4-Chlorobenzotrifluoride	180	8.289	8.289	0.0	97	248363	23.4	
94 2-Chlorobenzotrifluoride	180	9.203	9.203	0.0	95	261911	24.5	
96 Cyclohexanone	55	9.459	9.459	0.0	93	198341	280.6	
103 3-Chlorotoluene	126	9.880	9.880	0.0	98	227637	25.6	
108 Pentachloroethane	167	10.276	10.276	0.0	62	59812	19.0	
112 Dicyclopentadiene	66	10.630	10.630	0.0	96	977696	24.3	
114 1,2,3-Trimethylbenzene	105	10.684	10.684	0.0	98	820621	25.5	
118 1,3,5-Trichlorobenzene	180	11.879	11.879	0.0	97	317916	26.3	

Report Date: 18-Apr-2012 13:25:23 Chrom Revision: 2.0 20-Feb-2012 13:27:02

Data File: \\Bufchrom\ChromData\HP5973G\20120413-10963.b\G11023.D

Injection Date:	13-Apr-2012 10:31:30	Limit Group:	MV - 8260B ICAL
Client ID:		Instrument ID:	HP5973G
Lims Batch ID:	59441	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.: 480-18292-1

SDG No.:

Lab Sample ID: CCV 480-59441/3 Calibration Date: 04/13/2012 10:31

Instrument ID: HP5973G Calib Start Date: 04/09/2012 23:46

GC Column: ZB-624 (60) ID: 0.25(mm) Calib End Date: 04/10/2012 01:42

Lab File ID: G11023.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	LinF		0.4138		15.8	25.0	-36.8	50.0
Dichlorofluoromethane	LinF		0.3859		16.3	25.0	-34.8	50.0
Ethyl ether	Ave	0.3358	0.3832		28.5	25.0	14.1	50.0
Isopropyl alcohol	Ave	0.0643	0.0675		525	500	5.0	50.0
Allyl chloride	Ave	0.3126	0.2577		20.6	25.0	-17.6	50.0
t-Butyl alcohol	Ave	0.0956	0.1058		553	500	10.6	50.0
Hexane	Ave	0.7776	0.7547		24.3	25.0	-3.0	50.0
Isopropyl ether	Ave	1.583	1.786		28.2	25.0	12.8	50.0
Chloroprene	Lin1F		0.7640		23.1	25.0	-7.6	50.0
1,1-Dimethoxyethane	Ave	0.1056	0.1217		144	125	15.3	50.0
Tert-butyl ethyl ether	Ave	1.254	1.476		29.4	25.0	17.7	50.0
Ethyl acetate	Ave	0.6954	0.8026		28.9	25.0	15.4	50.0
Propionitrile	Ave	0.1222	0.1302		267	250	6.6	50.0
Methacrylonitrile	Ave	0.4204	0.4628		27.5	25.0	10.1	50.0
Isobutyl alcohol	Ave	0.0574	0.0638		1110	1000	11.1	50.0
Tert-amyl methyl ether	Ave	1.005	1.240		30.8	25.0	23.4	50.0
n-Heptane	Ave	0.7916	0.8325		26.3	25.0	5.2	50.0
n-Butanol	Ave	0.0260	0.0293		1120	1000	12.4	50.0
Methyl methacrylate	Ave	0.5125	0.6320		30.8	25.0	23.3	50.0
1,4-Dioxane	Ave	0.0124	0.0130		1050	1000	5.3	50.0
2-Nitropropane	QuaF		0.1531		92.6	125	-25.9	50.0
Epichlorohydrin	Ave	0.0832	0.0897		539	500	7.8	50.0
2-Methylthiophene	Ave	2.508	2.697		26.9	25.0	7.5	50.0
3-Methylthiophene	Ave	2.605	2.605		25.0	25.0	-0.0	50.0
3-Chlorobenzotrifluoride	Ave	1.180	1.144		24.2	25.0	-3.1	50.0
p-Monochlorobenzotrifluoride	Ave	1.169	1.093		23.4	25.0	-6.5	50.0
2-Chlorobenzotrifluoride	Ave	1.176	1.153		24.5	25.0	-2.0	50.0
Cyclohexanone	Ave	0.0778	0.0873		281	250	12.3	50.0
3-Chlorotoluene	Ave	0.9801	1.002		25.6	25.0	2.2	50.0
Pentachloroethane	Lin1F		0.2633		19.0	25.0	-24.0	50.0
Dicyclopentadiene	Ave	4.421	4.304		24.3	25.0	-2.7	50.0
1,2,3-Trimethylbenzene	Ave	3.537	3.612		25.5	25.0	2.1	50.0
1,3,5-Trichlorobenzene	Ave	1.331	1.399		26.3	25.0	5.2	50.0

TestAmerica Laboratories
Target Compound Quantitation Report

Data File: \\Bufchrom\ChromData\HP5973G\20120413-10963.b\G11023.D
Lims ID: CCV Client ID:
Inject. Date: 13-Apr-2012 10:31:30 Dil. Factor: 1.0000
Sample Type: CCV
Sample ID: CCV
Misc. Info.: 480-0010963-003 =480-0010963-003
Operator: DHC Instrument ID: HP5973G
Vol. Injected: 1.0000 ALS Bottle#: 3
Lims Batch ID: 59441 Lims Sample ID: 3
Sublist: chrom-G-8260*sub6
Detector: MS SCAN

Method: \\Bufchrom\ChromData\HP5973G\20120413-10963.b\G-8260.m
Last Update: 18-Apr-2012 13:25:23 Calib Date: 10-Apr-2012 01:42:30
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\Bufchrom\ChromData\HP5973G\20120409-10850.b\G10850.D
Limit Group: MV - 8260B ICAL
Integrator: RTE ID Type: Deconvolution ID
Process Host: CORP-CTX-19

First Level Reviewer: coderd Date: 13-Apr-2012 12:51:31

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	467474	25.0	
* 2 Chlorobenzene-d5	82	8.215	8.215	0.0	88	234400	25.0	
* 3 1,4-Dichlorobenzene-d4	152	10.630	10.630	0.0	66	227175	25.0	
$ 4 1,2-Dichloroethane-d4 (Surr)	67	4.972	4.972	0.0	0	102921	30.0	
$ 5 Toluene-d8 (Surr)	98	6.740	6.740	0.0	93	631430	24.6	
$ 6 4-Bromofluorobenzene (Surr)	174	9.477	9.477	0.0	83	177498	27.7	
11 Chlorodifluoromethane	51	1.272	1.272	0.0	76	193431	15.8	
16 Dichlorofluoromethane	67	2.064	2.064	0.0	83	180413	16.3	
18 Ethyl ether	59	2.314	2.314	0.0	98	179146	28.5	
68 Propene oxide	58	2.399	2.399	0.0	95	317658	132.8	
25 Isopropyl alcohol	45	2.844	2.844	0.0	99	631180	525.2	
26 3-Chloro-1-propene	41	2.966	2.966	0.0	88	120456	20.6	
30 2-Methyl-2-propanol	59	3.216	3.216	0.0	98	989141	553.2	
34 Hexane	57	3.430	3.430	0.0	94	352780	24.3	
37 Isopropyl ether	45	3.674	3.674	0.0	96	834987	28.2	
39 2-Chloro-1,3-butadiene	53	3.710	3.710	0.0	90	357149	23.1	
40 1,1-Dimethoxyethane	75	3.753	3.753	0.0	95	284472	144.1	
41 Tert-butyl ethyl ether	59	4.009	4.009	0.0	99	689806	29.4	
45 Ethyl acetate	43	4.283	4.283	0.0	99	375190	28.9	
46 Propionitrile	54	4.356	4.356	0.0	99	608840	266.5	
47 Methacrylonitrile	41	4.460	4.460	0.0	95	216344	27.5	
55 Isobutyl alcohol	43	5.021	5.021	0.0	95	1191996	1111.4	
58 Tert-amyl methyl ether	73	5.057	5.057	0.0	89	579489	30.8	
59 n-Heptane	43	5.149	5.149	0.0	97	389162	26.3	
60 n-Butanol	56	5.637	5.637	0.0	89	546854	1124.2	
64 Methyl methacrylate	41	5.929	5.929	0.0	95	295438	30.8	
66 1,4-Dioxane	88	5.972	5.972	0.0	94	122032	1052.6	
69 2-Nitropropane	43	6.368	6.368	0.0	97	173879	92.6	
71 Epichlorohydrin	57	6.484	6.484	0.0	98	838253	538.8	
75 2-Methylthiophene	97	6.941	6.941	0.0	98	612710	26.9	

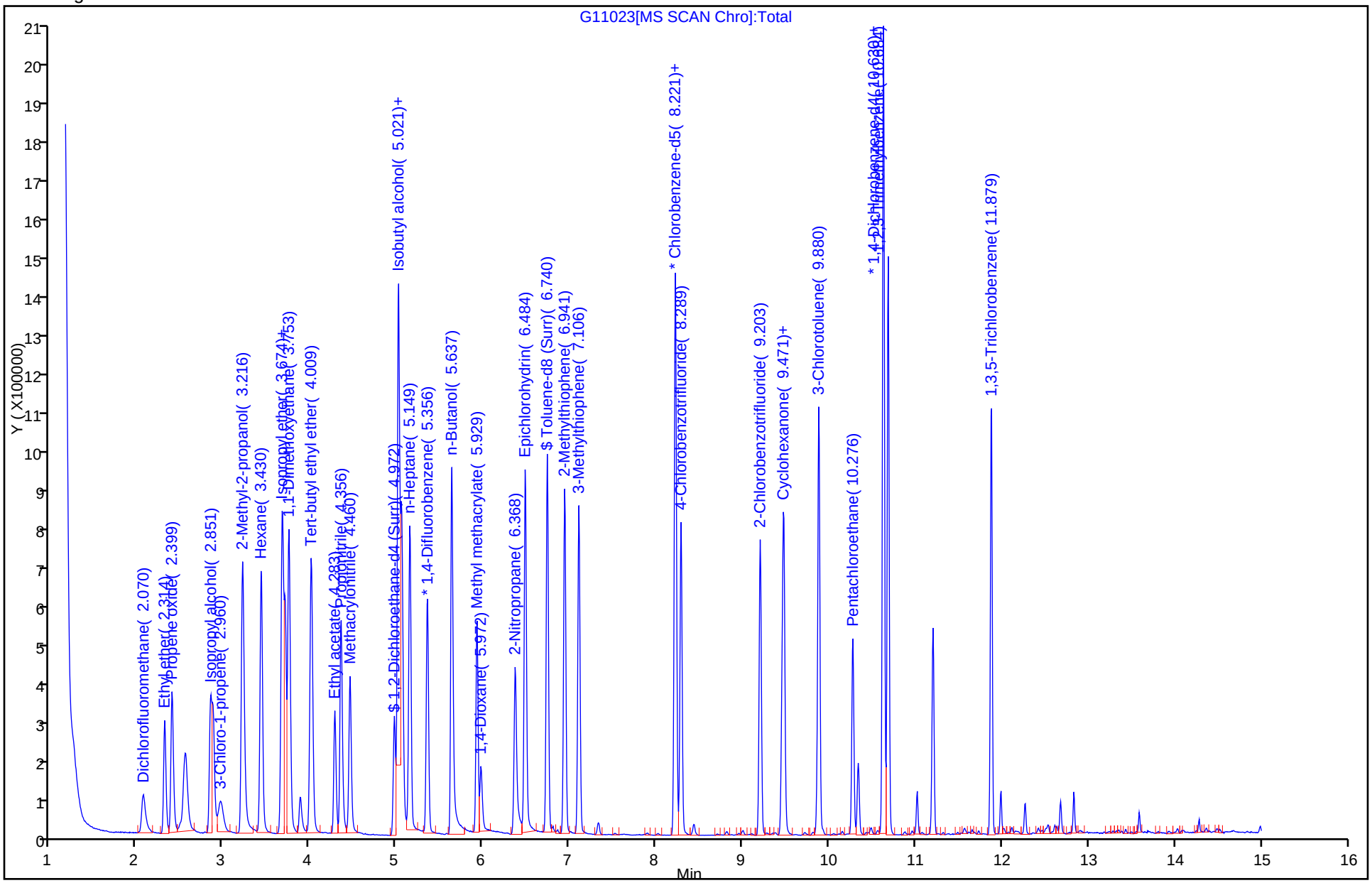
Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/L	Flags
77 3-Methylthiophene	97	7.106	7.106	0.0	100	591693	25.0	
85 3-Chlorobenzotrifluoride	180	8.228	8.228	0.0	92	259902	24.2	
87 4-Chlorobenzotrifluoride	180	8.289	8.289	0.0	97	248363	23.4	
94 2-Chlorobenzotrifluoride	180	9.203	9.203	0.0	95	261911	24.5	
96 Cyclohexanone	55	9.459	9.459	0.0	93	198341	280.6	
103 3-Chlorotoluene	126	9.880	9.880	0.0	98	227637	25.6	
108 Pentachloroethane	167	10.276	10.276	0.0	62	59812	19.0	
112 Dicyclopentadiene	66	10.630	10.630	0.0	96	977696	24.3	
114 1,2,3-Trimethylbenzene	105	10.684	10.684	0.0	98	820621	25.5	
118 1,3,5-Trichlorobenzene	180	11.879	11.879	0.0	97	317916	26.3	

Report Date: 18-Apr-2012 13:25:23 Chrom Revision: 2.0 20-Feb-2012 13:27:02

Data File: \\Bufchrom\ChromData\HP5973G\20120413-10963.b\G11023.D

Injection Date:	13-Apr-2012 10:31:30	Limit Group:	MV - 8260B ICAL
Client ID:		Instrument ID:	HP5973G
Lims Batch ID:	59441	Lims Sample ID:	3
Operator ID:	DHC		
Column Type:	ZB-624	Column Dia:	0.25 mm

Y Scaling:



TestAmerica Laboratories
Target Compound Quantitation Report

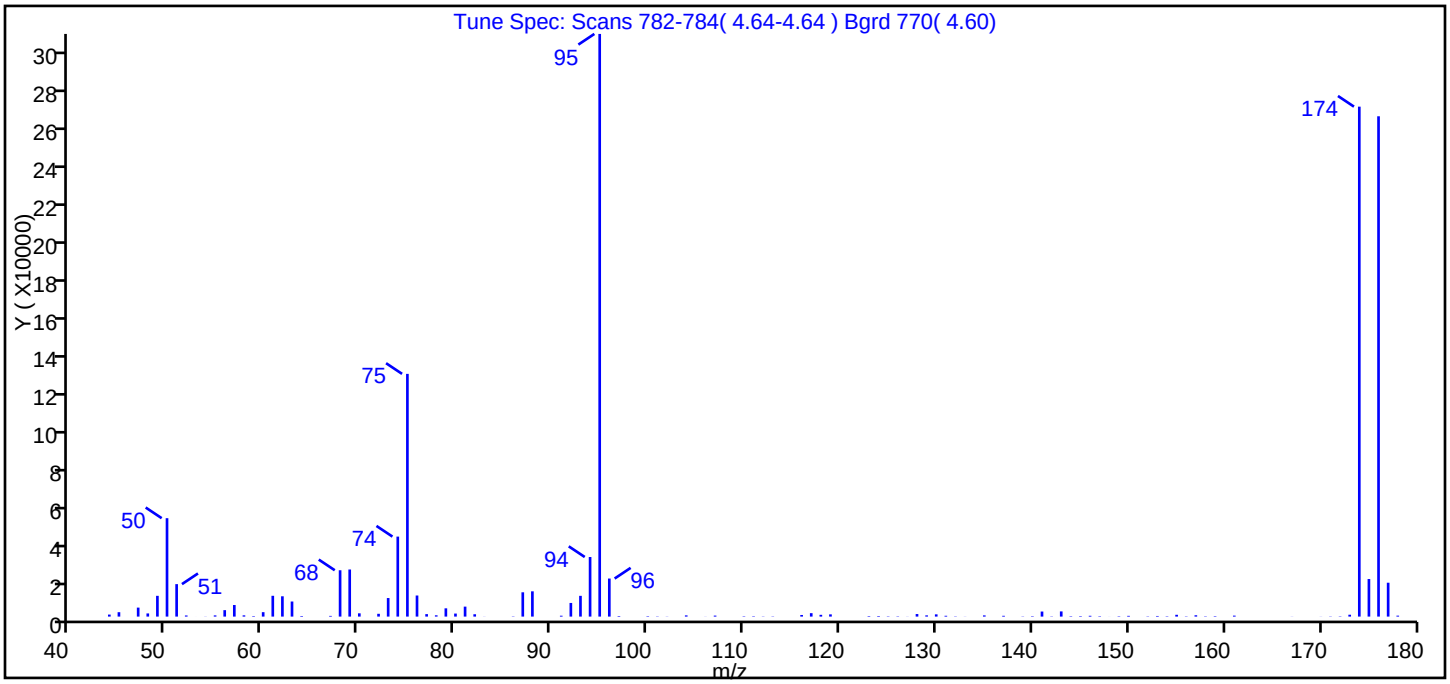
Data File:	\\Bufchrom\ChromData\HP5973F\20120307-10038.b\F7223.D		
Lims ID:	BFB	Client ID:	
Inject. Date:	07-Mar-2012 22:14:30	Dil. Factor:	1.0000
Sample Type:	BFB		
Sample ID:	BFB		
Misc. Info.:	480-0010038-001 =480-0010038-001		
Operator:	CDC	Instrument ID:	HP5973F
Vol. Injected:	1.0000	ALS Bottle#:	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

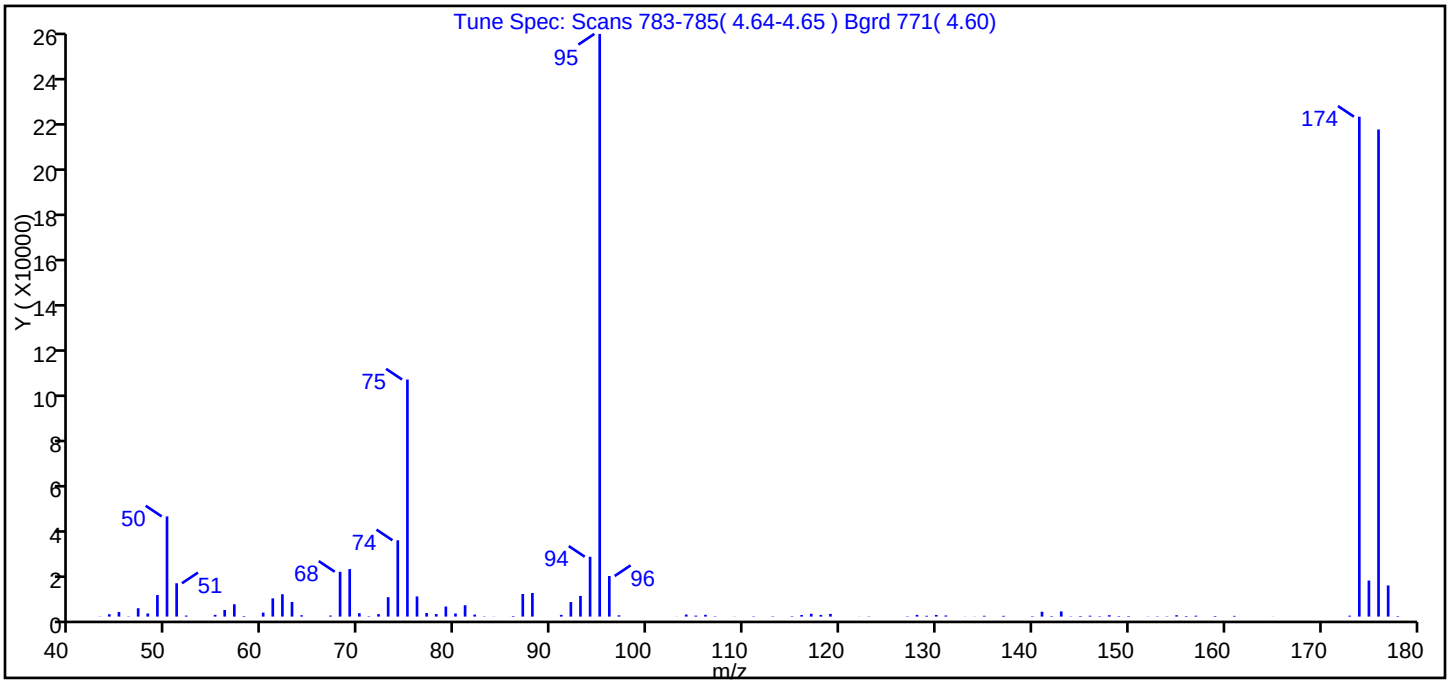
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Lims ID:	BFB	Client ID:	
Inject. Date:	09-Mar-2012 15:09:30	Dil. Factor:	1.0000
Sample Type:	BFB		
Sample ID:	BFB		
Misc. Info.:	480-0010095-001 =480-0010095-001		
Operator:	TRB	Instrument ID:	HP5973F
Vol. Injected:	1.0000	ALS Bottle#:	2
Lims Batch 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

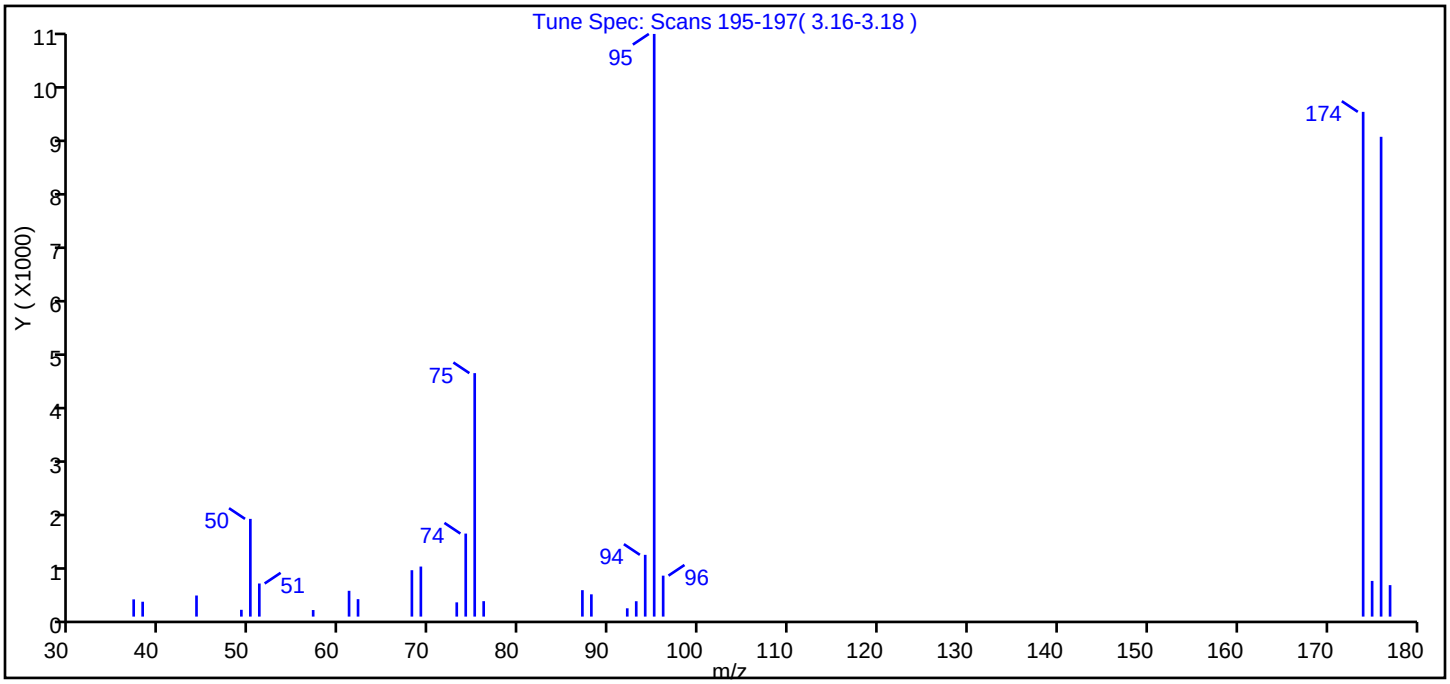
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Lims ID:	BFB	Client ID:	
Inject. Date:	10-Apr-2012 21:21:30	Dil. Factor:	1.0000
Sample Type:	BFB		
Sample ID:	BFB		
Misc. Info.:	480-0010884-001 =480-0010884-001		
Operator:	CDC	Instrument ID:	HP5973F
Vol. Injected:	1.0000	ALS Bottle#:	1
Lims Batch ID:	58994	Lims Sample ID:	1
Detector:	MS SCAN		
Method:	\\Bufchrom\ChromData\HP5973F\20120410-10884.b\F-8260 SOIL.m		
Last Update:	18-Apr-2012 13:23:55	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 21:18:09

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		8.494					
* 3 1,4-Dichlorobenzene-d4	152		10.800					
$ 61 BFB	95	3.171	3.171	0.0	0	18046	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\20120410-10884.b\F7986.D		
Injection Date:	10-Apr-2012 21:21:30	Limit Group:	MV - 8260B ICAL
Client ID:		Instrument ID:	HP5973F
Lims Batch ID:	58994	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	16.77
75	30.00 - 60.00% of mass 95	41.78
96	5.00 - 9.00% of mass 95	7.03
173	Less than 2.00% of mass 174	0.00 (0.00)
174	Greater than 50.00% of mass 95	86.63
175	5.00 - 9.00% of mass 174	6.12 (7.07)
176	95.00 - 101.00% of mass 174	82.34 (95.05)
177	5.00 - 9.00% of mass 176	5.40 (6.56)

Data File: \\Bufchrom\ChromData\HP5973F\20120410-10884.b\F7986.D\F-8260 SOIL.rslt\spectra.d
Injection Date: 10-Apr-2012 21:21:30
Spectrum: Tune Spec: Scans 195-197(3.16-3.18)
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	307	61.00	460	76.00	275	96.00	730
38.00	265	62.00	311	87.00	471	174.00	8998
44.00	376	68.00	827	88.00	397	175.00	636
49.00	121	69.00	892	92.00	148	176.00	8553
50.00	1742	73.00	254	93.00	274	177.00	561
51.00	590	74.00	1480	94.00	1101		
57.00	117	75.00	4340	95.00	10387		

TestAmerica Laboratories
Target Compound Quantitation Report

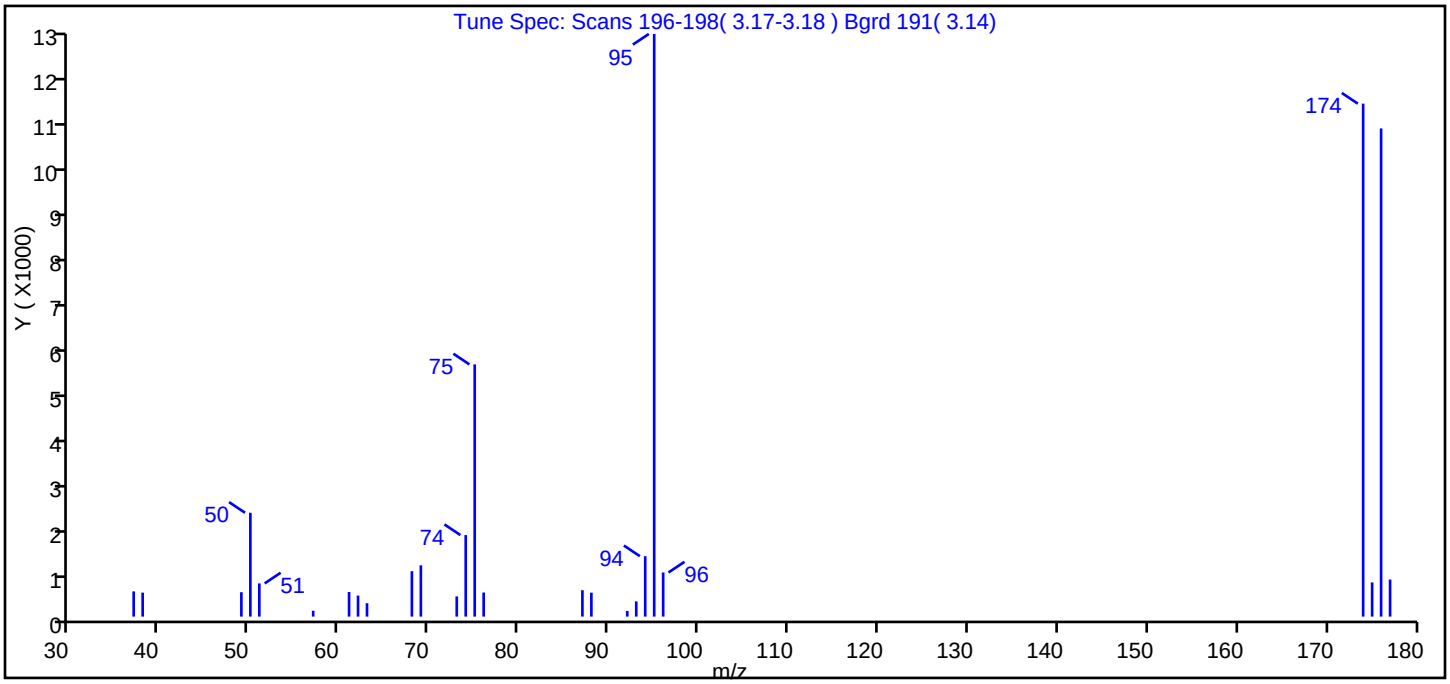
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Inject. Date:	11-Apr-2012 08:37:30	Dil. Factor:	1.0000
Sample Type:	BFB		
Sample ID:	BFB		
Misc. Info.:	480-0010889-001 =480-0010889-001		
Operator:	jmb	Instrument ID:	HP5973F
Vol. Injected:	1.0000	ALS Bottle#:	1
Lims Batch ID:	59033	Lims Sample ID:	1
Detector:	MS SCAN		
Method:	\\Bufchrom\ChromData\HP5973F\20120411-10889.b\F-8260 SOIL.m		
Last Update:	18-Apr-2012 13:21:52	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		

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		8.494					
* 3 1,4-Dichlorobenzene-d4	152		10.800					
$ 61 BFB	95	3.177	3.177	0.0	0	27299	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\20120411-10889.b\F8011.D		
Injection Date:	11-Apr-2012 08:37:30	Limit Group:	MV - 8260B ICAL
Client ID:		Instrument ID:	HP5973F
Lims Batch ID:	59033	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	17.82
75	30.00 - 60.00% of mass 95	43.29
96	5.00 - 9.00% of mass 95	7.57
173	Less than 2.00% of mass 174	0.00 (0.00)
174	Greater than 50.00% of mass 95	88.04
175	5.00 - 9.00% of mass 174	5.87 (6.67)
176	95.00 - 101.00% of mass 174	83.78 (95.16)
177	5.00 - 9.00% of mass 176	6.36 (7.59)

Data File: \\Bufchrom\ChromData\HP5973F\20120411-10889.b\F8011.D\F-8260 SOIL.rslt\spectra.d
Injection Date: 11-Apr-2012 08:37:30
Spectrum: Tune Spec: Scans 196-198(3.17-3.18) Bgrd 191(3.14)
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	556	62.00	463	76.00	531	96.00	973
38.00	528	63.00	295	87.00	582	174.00	11312
49.00	538	68.00	1002	88.00	528	175.00	754
50.00	2290	69.00	1131	92.00	124	176.00	10765
51.00	732	73.00	445	93.00	335	177.00	817
57.00	129	74.00	1798	94.00	1332		
61.00	542	75.00	5562	95.00	12849		

TestAmerica Laboratories
Target Compound Quantitation Report

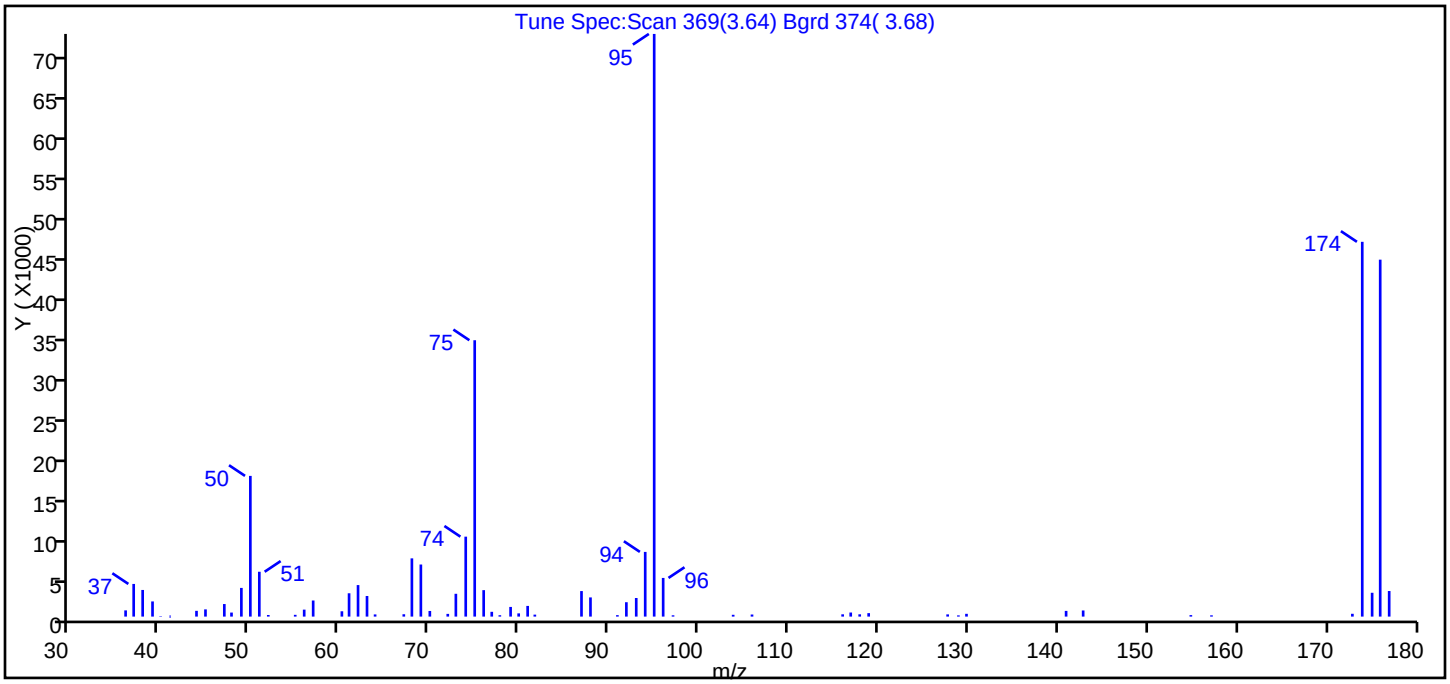
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Lims ID:	BFB	Client ID:	
Inject. Date:	09-Apr-2012 19:28:30	Dil. Factor:	1.0000
Sample Type:	BFB		
Sample ID:	BFB		
Misc. Info.:	480-0010850-001 =480-0010850-001		
Operator:	RAL	Instrument ID:	HP5973G
Vol. Injected:	1.0000	ALS Bottle#:	1
Lims Batch ID:	58822	Lims Sample ID:	1
Detector:	MS SCAN		
Method:	\\Bufchrom\ChromData\HP5973G\20120409-10850.b\G-8260.m		
Last Update:	09-Apr-2012 19:38:34	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-16		
First Level Reviewer: larsonr		Date:	09-Apr-2012 19:38:34

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	128023	0	

MS Tune Report

Data File: \\Bufchrom\ChromData\HP5973G\20120409-10850.b\G10836.D
Injection Date: 09-Apr-2012 19:28:30 Limit Group: MV - 8260B ICAL
Client ID: Instrument ID: HP5973G
Lims Batch ID: 58822 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	24.15
75	30.00 - 60.00% of mass 95	47.43
96	5.00 - 9.00% of mass 95	6.64
173	Less than 2.00% of mass 174	0.48 (0.75)
174	Greater than 50.00% of mass 95	64.32
175	5.00 - 9.00% of mass 174	4.09 (6.36)
176	95.00 - 101.00% of mass 174	61.26 (95.24)
177	5.00 - 9.00% of mass 176	4.39 (7.16)

Data File: \\Bufchrom\ChromData\HP5973G\20120409-10850.b\G10836.D\G-8260.rslt\spectra.d
Injection Date: 09-Apr-2012 19:28:30
Spectrum: Tune Spec:Scan 369(3.64) Bgrd 374(3.68)
Base Peak: 95.00
Minimum % Base Peak: 0
Number of Points: 64

m/z	Y	m/z	Y	m/z	Y	m/z	Y
36.10	769	57.00	1992	77.80	169	116.00	283
37.00	4041	60.20	659	79.00	1196	116.90	504
38.00	3296	61.00	2886	79.90	399	117.90	283
39.10	1876	62.00	3899	80.90	1321	118.90	428
40.00	55	63.00	2549	81.70	243	127.70	274
41.00	0	63.90	270	86.90	3158	128.90	150
44.00	712	67.10	291	87.90	2374	129.80	344
45.00	894	68.00	7205	90.90	179	140.90	705
47.10	1553	69.00	6444	91.90	1779	142.80	759
47.90	500	70.00	696	93.00	2300	154.80	185
49.00	3549	72.00	336	94.00	8004	157.10	156
50.00	17408	72.90	2822	95.00	72088	172.80	348
51.00	5548	74.00	9890	96.00	4784	173.90	46368
52.00	198	75.00	34192	97.10	160	175.00	2948
55.00	219	76.00	3272	103.80	224	175.90	44160
56.00	862	76.90	593	105.90	258	176.90	3164

TestAmerica Laboratories
Target Compound Quantitation Report

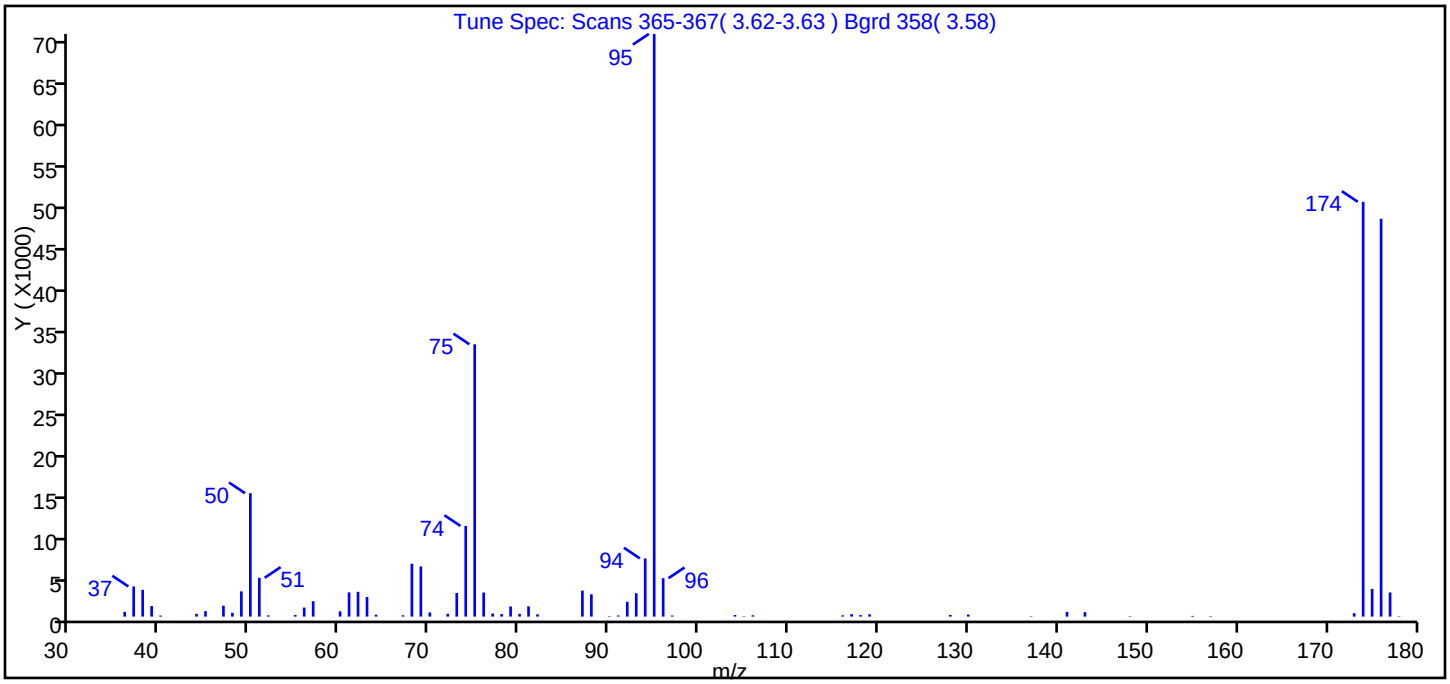
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Inject. Date:	13-Apr-2012 09:30:30	Dil. Factor:	1.0000
Sample Type:	BFB		
Sample ID:	BFB		
Misc. Info.:	480-0010963-001 =480-0010963-001		
Operator:	DHC	Instrument ID:	HP5973G
Vol. Injected:	1.0000	ALS Bottle#:	1
Lims Batch ID:	59441	Lims Sample ID:	1
Detector:	MS SCAN		
Method:	\\Bufchrom\ChromData\HP5973G\20120413-10963.b\G-8260.m		
Last Update:	18-Apr-2012 13:25:20	Calib Date:	10-Apr-2012 01:42:30
Quant Method:	Internal Standard	Quant By:	Initial Calibration
Last ICal File:	\\Bufchrom\ChromData\HP5973G\20120409-10850.b\G10850.D		
Limit Group:	MV - 8260B ICAL		
Integrator:	RTE	ID Type:	Deconvolution ID
Process Host:	CORP-CTX-19		
First Level Reviewer: coderd		Date:	13-Apr-2012 09:41:15

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/L	Flags
$ 35 BFB	95	3.627	3.627	0.0	0	129365	0	

MS Tune Report

Data File:	\\Bufchrom\ChromData\HP5973G\20120413-10963.b\G11021.D		
Injection Date:	13-Apr-2012 09:30:30	Limit Group:	MV - 8260B ICAL
Client ID:		Instrument ID:	HP5973G
Lims Batch ID:	59441	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	21.18
75	30.00 - 60.00% of mass 95	46.74
96	5.00 - 9.00% of mass 95	6.59
173	Less than 2.00% of mass 174	0.59 (0.83)
174	Greater than 50.00% of mass 95	71.18
175	5.00 - 9.00% of mass 174	4.75 (6.67)
176	95.00 - 101.00% of mass 174	68.27 (95.91)
177	5.00 - 9.00% of mass 176	4.15 (6.07)

Data File: \\Bufchrom\ChromData\HP5973G\20120413-10963.b\G11021.D\G-8260.rslt\spectra.d
Injection Date: 13-Apr-2012 09:30:30
Spectrum: Tune Spec: Scans 365-367(3.62-3.63) Bgrd 358(3.58)
Base Peak: 95.00
Minimum % Base Peak: 0
Number of Points: 67

m/z	Y	m/z	Y	m/z	Y	m/z	Y
36.00	579	61.00	2925	81.00	1235	118.00	181
37.00	3634	62.00	2988	82.00	274	119.00	279
38.00	3230	63.00	2367	87.00	3138	128.00	200
39.00	1271	64.00	225	88.00	2691	130.00	246
40.00	126	67.00	156	90.00	62	137.00	55
44.00	331	68.00	6375	91.00	140	141.00	577
45.00	660	69.00	6051	92.00	1780	143.00	532
47.00	1309	70.00	500	93.00	2814	148.00	56
48.00	452	72.00	338	94.00	7016	155.00	84
49.00	3046	73.00	2847	95.00	70264	157.00	60
50.00	14882	74.00	10934	96.00	4632	173.00	413
51.00	4681	75.00	32840	97.00	131	174.00	50016
52.00	148	76.00	2903	104.00	191	175.00	3336
55.00	184	77.00	367	105.00	55	176.00	47968
56.00	1085	78.00	303	106.00	159	177.00	2913
57.00	1865	79.00	1228	116.00	157	178.00	53
60.00	636	80.00	337	117.00	294		

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Buffalo Job No.: 480-18292-1

SDG No.:

Client Sample ID: Lab Sample ID: MB 480-58994/5

Matrix: Solid Lab File ID: F7990.D

Analysis Method: 8260B Date Collected:

Sample wt/vol: 5(g) Date Analyzed: 04/10/2012 23:11

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.: 58994 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.: 480-18292-1

SDG No.:

Client Sample ID: | Lab Sample ID: MB 480-58994/5

Matrix: Solid | Lab File ID: F7990.D

Analysis Method: 8260B | Date Collected:

Sample wt/vol: 5(g) | Date Analyzed: 04/10/2012 23:11

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.: 58994 | 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)	94		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.: 480-18292-1

SDG No.:

Client Sample ID: | Lab Sample ID: MB 480-58994/5

Matrix: Solid | Lab File ID: F7990.D

Analysis Method: 8260B | Date Collected:

Sample wt/vol: 5(g) | Date Analyzed: 04/10/2012 23:11

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.: 58994 | 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\20120410-10884.b\F7990.D
Lims ID: MB Client ID:
Inject. Date: 10-Apr-2012 23:11:30 Dil. Factor: 1.0000
Sample Type: MB
Sample ID: MB
Misc. Info.: 480-0010884-005 =480-0010884-005
Operator: CDC Instrument ID: HP5973F
Vol. Injected: 1.0000 ALS Bottle#: 4
Lims Batch ID: 58994 Lims Sample ID: 5
Detector: MS SCAN

Method: \\Bufchrom\ChromData\HP5973F\20120410-10884.b\F-8260 SOIL.m
Last Update: 18-Apr-2012 13:23:59 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: 11-Apr-2012 00:04:57

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	459036	50.0	
* 2 Chlorobenzene-d5	82	8.500	8.494	0.006	81	188811	50.0	
* 3 1,4-Dichlorobenzene-d4	152	10.800	10.800	0.0	92	226664	50.0	
$ 4 1,2-Dichloroethane-d4 (Surr)	67	5.404	5.404	0.0	98	65721	47.1	
$ 5 Toluene-d8 (Surr)	98	7.040	7.040	0.0	91	483475	54.2	
$ 6 4-Bromofluorobenzene (Surr)	174	9.705	9.705	0.0	92	159254	53.7	
10 Dichlorodifluoromethane	85		2.052					
11 Chlorodifluoromethane	51		2.076					
12 Chloromethane	50		2.204					
13 Vinyl chloride	62		2.325					
14 Bromomethane	94		2.624					
15 Chloroethane	64		2.703					
16 Dichlorofluoromethane	67		2.891					
17 Trichlorofluoromethane	101		2.928					
18 Ethyl ether	59		3.116					
19 Propene oxide	58		3.214					
20 Acrolein	56		3.268					
21 1,1,2-Trichloro-1,2,2-trifluoroe	101		3.305					
22 1,1-Dichloroethene	96		3.335					
23 Acetone	43		3.384					
24 Isopropyl alcohol	45		3.475					
25 Iodomethane	142		3.500					
26 Carbon disulfide	76		3.560					
27 Methyl acetate	43		3.609					
28 3-Chloro-1-propene	41		3.627					
29 Acetonitrile	40		3.639					
30 Methylene Chloride	84		3.737					
31 2-Methyl-2-propanol	59		3.780					
32 Methyl tert-butyl ether	73		3.889					
34 trans-1,2-Dichloroethene	96		3.925					
33 Acrylonitrile	53		3.938					

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/kg	Flags
35 Hexane	57		4.072					
36 Isopropyl ether	45		4.218					
37 Vinyl acetate	43		4.242					
39 1,1-Dichloroethane	63		4.266					
38 1,1-Dimethoxyethane	75		4.297					
40 2-Chloro-1,3-butadiene	53		4.321					
41 Tert-butyl ethyl ether	59		4.510					
43 2-Butanone (MEK)	43		4.710					
42 Ethyl acetate	43		4.710					
44 2,2-Dichloropropane	77		4.722					
45 cis-1,2-Dichloroethene	96		4.728					
46 Propionitrile	54		4.814					
47 Methacrylonitrile	41		4.911					
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		5.148					
54 1,1-Dichloropropene	75		5.239					
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		5.519					
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		6.292					
67 Dibromomethane	93		6.316					
68 Dichlorobromomethane	83		6.426					
69 2-Chloroethyl vinyl ether	63		6.633					
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					
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		8.531					
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		8.701					
91 o-Xylene	106		9.139					
92 Styrene	104		9.157					
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		9.912					
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					
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

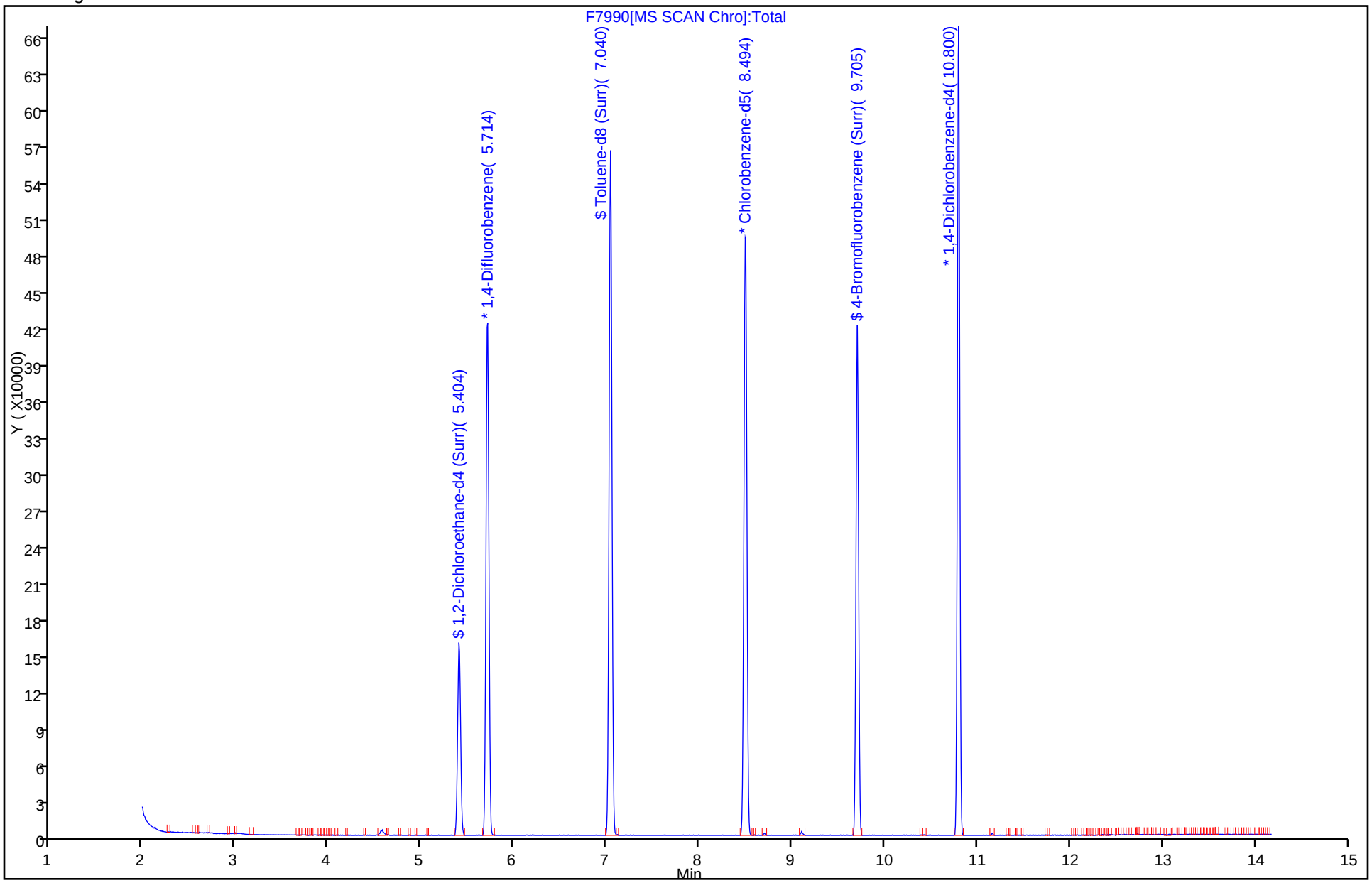
Processing Flags
1 - Missing Peaks
7 - Failed Limit of Detection

Report Date: 18-Apr-2012 13:24:05 Chrom Revision: 2.0 20-Feb-2012 13:27:02

Data File: \\Bufchrom\ChromData\HP5973F\20120410-10884.b\F7990.D

Injection Date:	10-Apr-2012 23:11:30	Limit Group:	MV - 8260B ICAL
Client ID:		Instrument ID:	HP5973F
Lims Batch ID:	58994	Lims Sample ID:	5
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.: 480-18292-1

SDG No.:

Client Sample ID: | Lab Sample ID: MB 480-59033/5

Matrix: Solid | Lab File ID: F8015.D

Analysis Method: 8260B | Date Collected:

Sample wt/vol: 5(g) | Date Analyzed: 04/11/2012 10:23

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.: 59033 | 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.: 480-18292-1

SDG No.:

Client Sample ID: | Lab Sample ID: MB 480-59033/5

Matrix: Solid | Lab File ID: F8015.D

Analysis Method: 8260B | Date Collected:

Sample wt/vol: 5(g) | Date Analyzed: 04/11/2012 10:23

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.: 59033 | 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)	91		64-126
2037-26-5	Toluene-d8 (Surr)	108		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.: 480-18292-1

SDG No.:

Client Sample ID: | Lab Sample ID: MB 480-59033/5

Matrix: Solid | Lab File ID: F8015.D

Analysis Method: 8260B | Date Collected:

Sample wt/vol: 5(g) | Date Analyzed: 04/11/2012 10:23

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.: 59033 | 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\20120411-10889.b\F8015.D
Lims ID: MB Client ID:
Inject. Date: 11-Apr-2012 10:23:30 Dil. Factor: 1.0000
Sample Type: MB
Sample ID: MB
Misc. Info.: 480-0010889-005 =480-0010889-005
Operator: jmb Instrument ID: HP5973F
Vol. Injected: 1.0000 ALS Bottle#: 5
Lims Batch ID: 59033 Lims Sample ID: 5
Detector: MS SCAN

Method: \\Bufchrom\ChromData\HP5973F\20120411-10889.b\F-8260 SOIL.m
Last Update: 18-Apr-2012 13:21:54 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

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	456091	50.0	
* 2 Chlorobenzene-d5	82	8.494	8.494	0.0	81	187347	50.0	
* 3 1,4-Dichlorobenzene-d4	152	10.800	10.800	0.0	92	222921	50.0	
$ 4 1,2-Dichloroethane-d4 (Surr)	67	5.404	5.404	0.0	99	63213	45.6	
$ 5 Toluene-d8 (Surr)	98	7.040	7.040	0.0	91	476330	53.8	
$ 6 4-Bromofluorobenzene (Surr)	174	9.705	9.705	0.0	92	156181	53.0	
10 Dichlorodifluoromethane	85		2.058					
11 Chlorodifluoromethane	51		2.076					
12 Chloromethane	50		2.210					
13 Vinyl chloride	62		2.325					
14 Bromomethane	94		2.630					
15 Chloroethane	64		2.709					
16 Dichlorofluoromethane	67		2.885					
17 Trichlorofluoromethane	101		2.928					
18 Ethyl ether	59		3.110					
19 Propene oxide	58		3.208					
20 Acrolein	56		3.274					
21 1,1,2-Trichloro-1,2,2-trifluoroe	101		3.311					
22 1,1-Dichloroethene	96		3.335					
23 Acetone	43		3.384					
24 Isopropyl alcohol	45		3.469					
25 Iodomethane	142		3.500					
26 Carbon disulfide	76		3.560					
27 Methyl acetate	43		3.609					
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		3.925					
33 Acrylonitrile	53		3.938					
35 Hexane	57		4.065					
36 Isopropyl ether	45		4.217					

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/kg	Flags
37 Vinyl acetate	43		4.248					
39 1,1-Dichloroethane	63		4.266					
38 1,1-Dimethoxyethane	75		4.297					
40 2-Chloro-1,3-butadiene	53		4.321					
41 Tert-butyl ethyl ether	59		4.503					
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		4.728					
46 Propionitrile	54		4.814					
47 Methacrylonitrile	41		4.911					
48 Chlorobromomethane	128		4.941					
49 Tetrahydrofuran	42		4.953					
50 Chloroform	83		4.972					
51 1,1,1-Trichloroethane	97		5.124					
52 Cyclohexane	56		5.154					
54 1,1-Dichloropropene	75		5.239					
55 Carbon tetrachloride	117		5.252					
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		5.957					
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		6.633					
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		7.326					
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		9.157					
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		10.088					
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		10.702					
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		11.067					
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 123 Total BTEX	1		30.000					7
S 124 Xylenes, Total	1		30.000					7
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

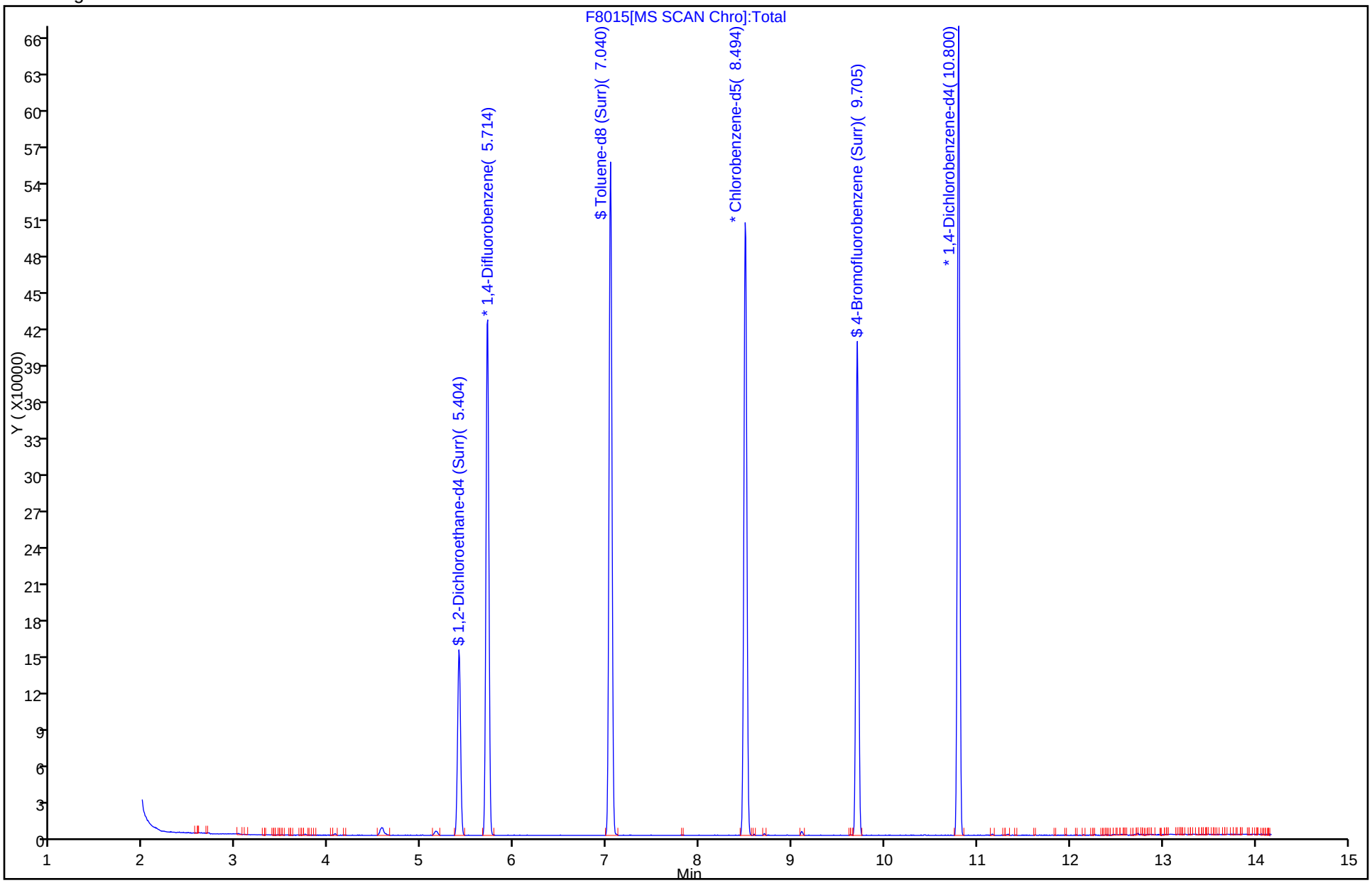
Processing Flags
1 - Missing Peaks
7 - Failed Limit of Detection

Report Date: 18-Apr-2012 13:21:56 Chrom Revision: 2.0 20-Feb-2012 13:27:02

Data File: \\Bufchrom\ChromData\HP5973F\20120411-10889.b\F8015.D

Injection Date:	11-Apr-2012 10:23:30	Limit Group:	MV - 8260B ICAL
Client ID:		Instrument ID:	HP5973F
Lims Batch ID:	59033	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.: 480-18292-1

SDG No.:

Client Sample ID: | Lab Sample ID: MB 480-59441/5

Matrix: Water | Lab File ID: G11025.D

Analysis Method: 8260B | Date Collected:

Sample wt/vol: 5(mL) | Date Analyzed: 04/13/2012 11:16

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.: 59441 | 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.: 480-18292-1

SDG No.:

Client Sample ID: | Lab Sample ID: MB 480-59441/5

Matrix: Water | Lab File ID: G11025.D

Analysis Method: 8260B | Date Collected:

Sample wt/vol: 5(mL) | Date Analyzed: 04/13/2012 11:16

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.: 59441 | 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)	122		66-137
2037-26-5	Toluene-d8 (Surr)	99		71-126
460-00-4	4-Bromofluorobenzene (Surr)	108		73-120

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

Lab Name: TestAmerica Buffalo | Job No.: 480-18292-1

SDG No.:

Client Sample ID: | Lab Sample ID: MB 480-59441/5

Matrix: Water | Lab File ID: G11025.D

Analysis Method: 8260B | Date Collected:

Sample wt/vol: 5(mL) | Date Analyzed: 04/13/2012 11:16

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.: 59441 | 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\20120413-10963.b\G11025.D
Lims ID: MB Client ID:
Inject. Date: 13-Apr-2012 11:16:30 Dil. Factor: 1.0000
Sample Type: MB
Sample ID: MB
Misc. Info.: 480-0010963-005 =480-0010963-005
Operator: DHC Instrument ID: HP5973G
Vol. Injected: 1.0000 ALS Bottle#: 5
Lims Batch ID: 59441 Lims Sample ID: 5
Detector: MS SCAN

Method: \\Bufchrom\ChromData\HP5973G\20120413-10963.b\G-8260.m
Last Update: 18-Apr-2012 13:25:23 Calib Date: 10-Apr-2012 01:42:30
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\Bufchrom\ChromData\HP5973G\20120409-10850.b\G10850.D
Limit Group: MV - 8260B ICAL
Integrator: RTE ID Type: Deconvolution ID
Process Host: CORP-CTX-19

First Level Reviewer: coderd Date: 13-Apr-2012 12:52:15

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	463363	25.0	
* 2 Chlorobenzene-d5	82	8.221	8.215	0.006	87	229961	25.0	
* 3 1,4-Dichlorobenzene-d4	152	10.629	10.630	-0.001	97	223191	25.0	
$ 4 1,2-Dichloroethane-d4 (Surr)	67	4.978	4.972	0.006	0	103341	30.4	
$ 5 Toluene-d8 (Surr)	98	6.740	6.740	0.0	94	621026	24.7	
$ 6 4-Bromofluorobenzene (Surr)	174	9.477	9.477	0.0	82	169280	27.0	
129 tert-amyl alcohol TIC	1		0.000					
10 Dichlorodifluoromethane	85		1.241					
11 Chlorodifluoromethane	51		1.272					
12 Chloromethane	50		1.375					
13 Vinyl chloride	62		1.479					
14 Bromomethane	94		1.747					
15 Chloroethane	64		1.857					
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					
21 1,1,2-Trichloro-1,2,2-trifluoroe	101		2.552					
20 1,1-Dichloroethene	96		2.552					
22 Acetone	43		2.649					
23 Iodomethane	142		2.728					
24 Carbon disulfide	76		2.765					
25 Isopropyl alcohol	45		2.844					
28 Methyl acetate	43		2.936					
27 Acetonitrile	40		2.954					
26 3-Chloro-1-propene	41		2.966					
29 Methylene Chloride	84		3.082					
30 2-Methyl-2-propanol	59		3.216					
31 Methyl tert-butyl ether	73		3.234					
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		4.161					
43 cis-1,2-Dichloroethene	96		4.198					
44 2-Butanone (MEK)	43		4.253					
45 Ethyl acetate	43		4.283					
46 Propionitrile	54		4.356					
48 Chlorobromomethane	128		4.435					
47 Methacrylonitrile	41		4.460					
49 Tetrahydrofuran	42		4.466					
50 Chloroform	85		4.515					
52 Cyclohexane	56		4.618					
51 1,1,1-Trichloroethane	97		4.618					
53 Carbon tetrachloride	117		4.752					
54 1,1-Dichloropropene	75		4.765					
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		5.575					
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		5.960					
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		7.679					
84 Ethylene Dibromide	107		7.776					
85 3-Chlorobenzotrifluoride	180		8.228					
86 Chlorobenzene	112		8.252					

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		9.745					
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		10.575					
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		12.836					
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 131 bis(chloromethyl)ether TIC	1		0.000					1
T 130 Aziridine TIC	1		0.000					1
T 133 1-Bromopropane	1		0.000					1
T 132 Bromoethane TIC	1		0.000					1
T 128 Hexachloroethane TIC	1		0.000					1
T 8 bis(2-chloromethyl)ether TIC	1		0.000					1
T 7 t-Amyl alcohol	59		0.000					1
T 127 Ethanol TIC	45		0.000					1
T 9 Ethylene oxide	1		0.000					1

QC Flag Legend

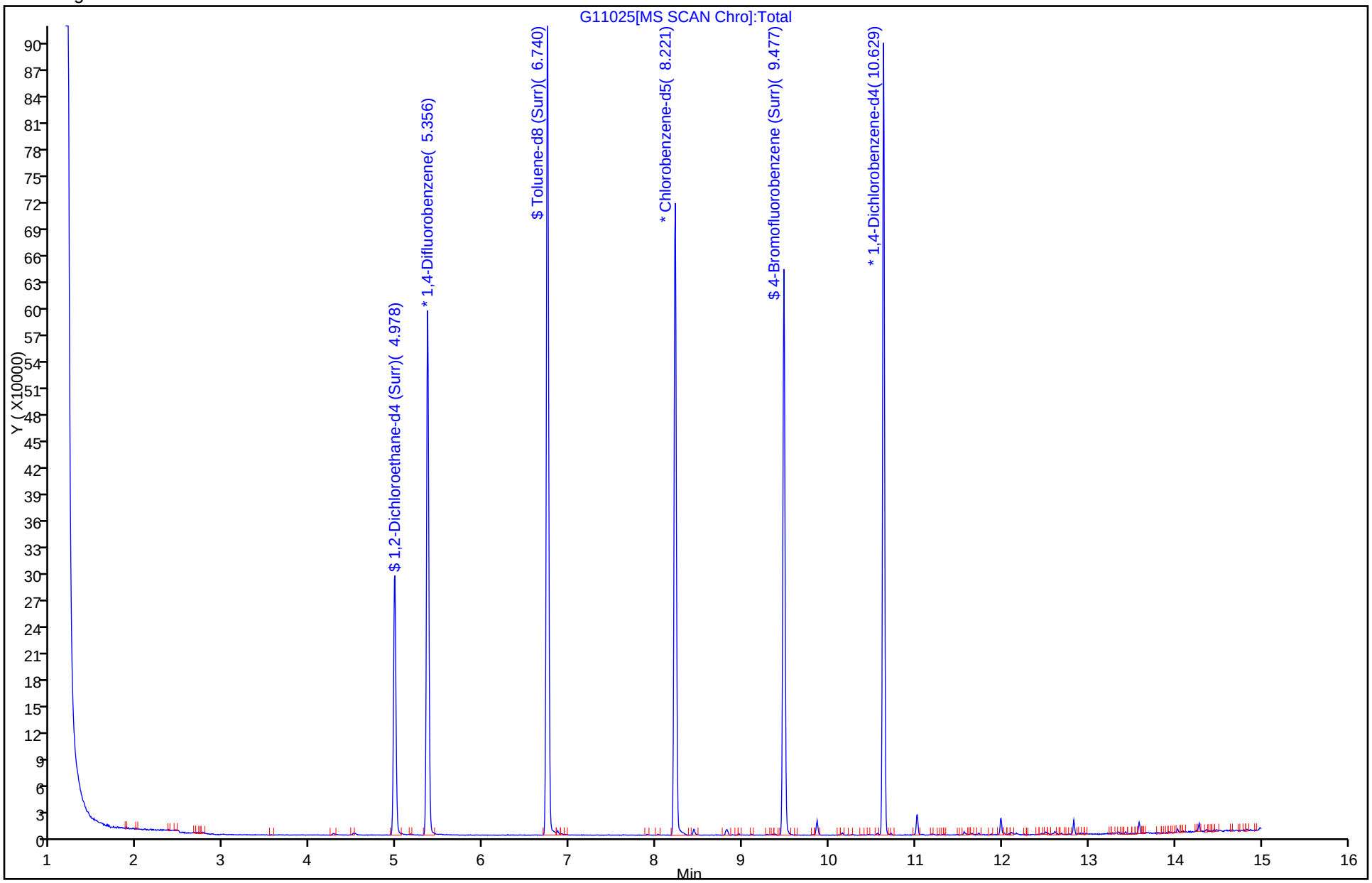
Processing Flags
1 - Missing Peaks
7 - Failed Limit of Detection

Report Date: 18-Apr-2012 13:25:25 Chrom Revision: 2.0 20-Feb-2012 13:27:02

Data File: \\Bufchrom\ChromData\HP5973G\20120413-10963.b\G11025.D

Injection Date:	13-Apr-2012 11:16:30	Limit Group:	MV - 8260B ICAL
Client ID:		Instrument ID:	HP5973G
Lims Batch ID:	59441	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.: 480-18292-1

SDG No.:

Client Sample ID: | Lab Sample ID: LCS 480-58994/4

Matrix: Solid | Lab File ID: F7989.D

Analysis Method: 8260B | Date Collected:

Sample wt/vol: 5(g) | Date Analyzed: 04/10/2012 22:45

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.: 58994 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
75-34-3	1,1-Dichloroethane	45.9		5.0	0.61
75-35-4	1,1-Dichloroethene	42.7		5.0	0.61
95-50-1	1,2-Dichlorobenzene	48.9		5.0	0.39
107-06-2	1,2-Dichloroethane	43.9		5.0	0.25
71-43-2	Benzene	47.9		5.0	0.25
108-90-7	Chlorobenzene	51.3		5.0	0.66
156-59-2	cis-1,2-Dichloroethene	48.4		5.0	0.64
100-41-4	Ethylbenzene	50.0		5.0	0.35
1634-04-4	Methyl tert-butyl ether	42.3		5.0	0.49
127-18-4	Tetrachloroethene	53.7		5.0	0.67
108-88-3	Toluene	49.9		5.0	0.38
156-60-5	trans-1,2-Dichloroethene	50.1		5.0	0.52
79-01-6	Trichloroethene	46.9		5.0	1.1
1330-20-7	Xylenes, Total	153		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)	108		71-125
460-00-4	4-Bromofluorobenzene (Surr)	109		72-126

TestAmerica Laboratories
Target Compound Quantitation Report

Data File: \\Bufchrom\ChromData\HP5973F\20120410-10884.b\F7989.D
Lims ID: LCS Client ID:
Inject. Date: 10-Apr-2012 22:45:30 Dil. Factor: 1.0000
Sample Type: LCS
Sample ID: LCS
Misc. Info.: 480-0010884-004 =480-0010884-004
Operator: CDC Instrument ID: HP5973F
Vol. Injected: 1.0000 ALS Bottle#: 3
Lims Batch ID: 58994 Lims Sample ID: 4
Detector: MS SCAN

Method: \\Bufchrom\ChromData\HP5973F\20120410-10884.b\F-8260 SOIL.m
Last Update: 18-Apr-2012 13:23:59 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 23:33:45

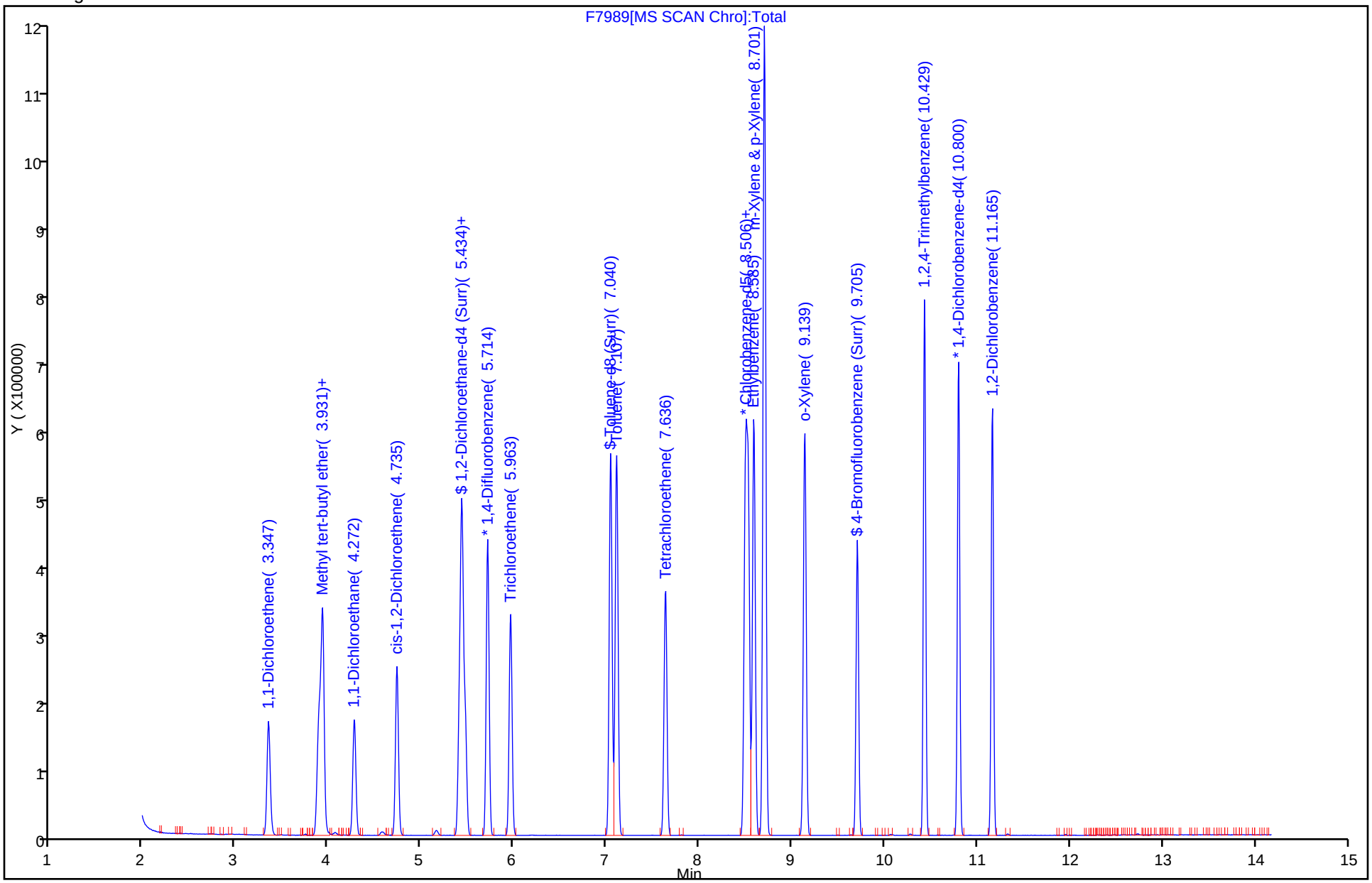
Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/kg	Flags
* 1 1,4-Difluorobenzene	114	5.714	5.714	0.0	93	463597	50.0	
* 2 Chlorobenzene-d5	82	8.494	8.494	0.0	81	189762	50.0	
* 3 1,4-Dichlorobenzene-d4	152	10.800	10.800	0.0	92	233318	50.0	
$ 4 1,2-Dichloroethane-d4 (Surr)	67	5.410	5.404	0.006	94	66435	47.2	
$ 5 Toluene-d8 (Surr)	98	7.040	7.040	0.0	91	482776	53.9	
$ 6 4-Bromofluorobenzene (Surr)	174	9.705	9.705	0.0	91	162180	54.4	
22 1,1-Dichloroethene	96	3.347	3.335	0.012	87	95718	42.7	
32 Methyl tert-butyl ether	73	3.901	3.889	0.012	91	328804	42.3	
34 trans-1,2-Dichloroethene	96	3.938	3.925	0.013	95	130667	50.1	
39 1,1-Dichloroethane	63	4.272	4.266	0.006	85	203130	45.9	
45 cis-1,2-Dichloroethene	96	4.735	4.728	0.006	66	142455	48.4	
57 Benzene	78	5.434	5.434	0.0	97	476702	47.9	
58 1,2-Dichloroethane	62	5.477	5.471	0.006	74	154023	43.9	
62 Trichloroethene	95	5.963	5.957	0.006	90	125277	46.9	
74 Toluene	92	7.107	7.107	0.0	98	315324	49.9	
81 Tetrachloroethene	166	7.636	7.630	0.006	91	150473	53.7	
87 Chlorobenzene	112	8.525	8.531	-0.006	96	394778	51.3	
88 Ethylbenzene	91	8.585	8.585	0.0	97	582848	50.0	
90 m-Xylene & p-Xylene	106	8.701	8.701	0.0	99	493474	101.4	
91 o-Xylene	106	9.139	9.139	0.0	95	241204	51.6	
107 1,2,4-Trimethylbenzene	105	10.429	10.429	0.0	95	507203	46.8	
116 1,2-Dichlorobenzene	146	11.165	11.165	0.0	98	324223	48.9	
S 125 1,2-Dichloroethene, Total	1				0		98.5	
S 124 Xylenes, Total	1				0		152.9	

Report Date: 18-Apr-2012 13:24:03 Chrom Revision: 2.0 20-Feb-2012 13:27:02

Data File: \\Bufchrom\ChromData\HP5973F\20120410-10884.b\F7989.D

Injection Date:	10-Apr-2012 22:45:30	Limit Group:	MV - 8260B ICAL
Client ID:		Instrument ID:	HP5973F
Lims Batch ID:	58994	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.: 480-18292-1

SDG No.:

Client Sample ID: | Lab Sample ID: LCS 480-59033/4

Matrix: Solid | Lab File ID: F8014.D

Analysis Method: 8260B | Date Collected:

Sample wt/vol: 5(g) | Date Analyzed: 04/11/2012 09:58

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.: 59033 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
75-34-3	1,1-Dichloroethane	44.9		5.0	0.61
75-35-4	1,1-Dichloroethene	41.6		5.0	0.61
95-50-1	1,2-Dichlorobenzene	47.5		5.0	0.39
107-06-2	1,2-Dichloroethane	43.6		5.0	0.25
71-43-2	Benzene	46.8		5.0	0.25
108-90-7	Chlorobenzene	48.8		5.0	0.66
156-59-2	cis-1,2-Dichloroethene	46.6		5.0	0.64
100-41-4	Ethylbenzene	48.2		5.0	0.35
1634-04-4	Methyl tert-butyl ether	42.3		5.0	0.49
127-18-4	Tetrachloroethene	51.9		5.0	0.67
108-88-3	Toluene	48.5		5.0	0.38
156-60-5	trans-1,2-Dichloroethene	48.8		5.0	0.52
79-01-6	Trichloroethene	46.1		5.0	1.1
1330-20-7	Xylenes, Total	147		10	0.84

CAS NO.	SURROGATE	%REC	Q	LIMITS
17060-07-0	1,2-Dichloroethane-d4 (Surr)	95		64-126
2037-26-5	Toluene-d8 (Surr)	107		71-125
460-00-4	4-Bromofluorobenzene (Surr)	109		72-126

TestAmerica Laboratories
Target Compound Quantitation Report

Data File: \\Bufchrom\ChromData\HP5973F\20120411-10889.b\F8014.D
Lims ID: LCS Client ID:
Inject. Date: 11-Apr-2012 09:58:30 Dil. Factor: 1.0000
Sample Type: LCS
Sample ID: LCS
Misc. Info.: 480-0010889-004 =480-0010889-004
Operator: jmb Instrument ID: HP5973F
Vol. Injected: 1.0000 ALS Bottle#: 4
Lims Batch ID: 59033 Lims Sample ID: 4
Detector: MS SCAN

Method: \\Bufchrom\ChromData\HP5973F\20120411-10889.b\F-8260 SOIL.m
Last Update: 18-Apr-2012 13:21:54 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

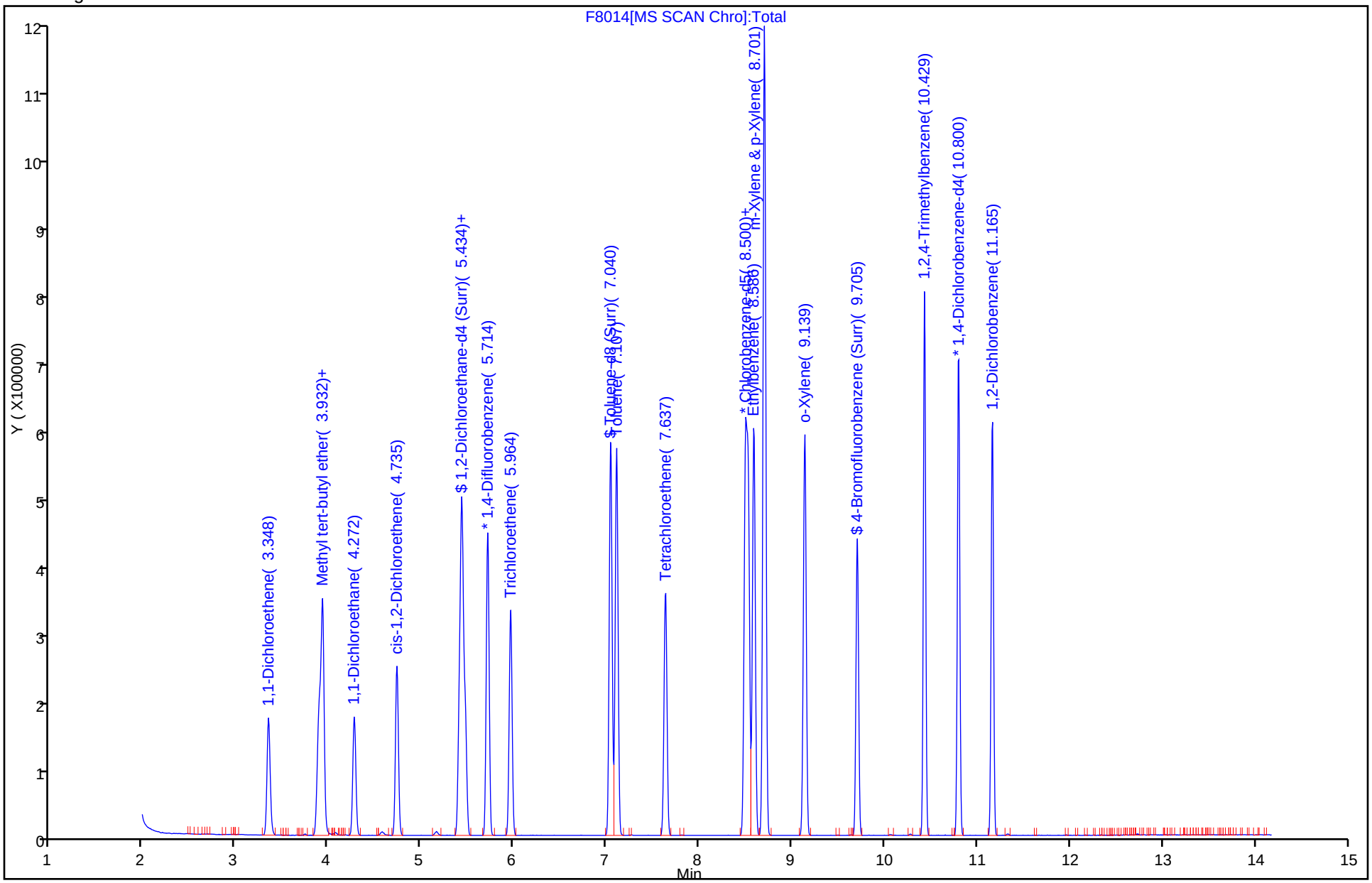
Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/kg	Flags
* 1 1,4-Difluorobenzene	114	5.714	5.714	0.0	93	456999	50.0	
* 2 Chlorobenzene-d5	82	8.494	8.494	0.0	81	187828	50.0	
* 3 1,4-Dichlorobenzene-d4	152	10.800	10.800	0.0	92	229021	50.0	
$ 4 1,2-Dichloroethane-d4 (Surr)	67	5.410	5.404	0.006	95	66244	47.7	
$ 5 Toluene-d8 (Surr)	98	7.040	7.040	0.0	91	475122	53.6	
$ 6 4-Bromofluorobenzene (Surr)	174	9.705	9.705	0.0	92	160489	54.4	
22 1,1-Dichloroethene	96	3.348	3.335	0.013	87	91999	41.6	
32 Methyl tert-butyl ether	73	3.901	3.895	0.006	90	323844	42.3	
34 trans-1,2-Dichloroethene	96	3.932	3.925	0.007	96	125424	48.8	
39 1,1-Dichloroethane	63	4.272	4.266	0.006	85	195764	44.9	
45 cis-1,2-Dichloroethene	96	4.735	4.728	0.007	66	135038	46.6	
57 Benzene	78	5.434	5.434	0.0	97	459169	46.8	
58 1,2-Dichloroethane	62	5.471	5.471	0.0	75	150681	43.6	
62 Trichloroethene	95	5.964	5.957	0.007	89	121290	46.1	
74 Toluene	92	7.107	7.107	0.0	98	303228	48.5	
81 Tetrachloroethene	166	7.637	7.636	0.001	91	143974	51.9	
87 Chlorobenzene	112	8.531	8.525	0.006	96	371912	48.8	
88 Ethylbenzene	91	8.586	8.585	0.001	96	555300	48.2	
90 m-Xylene & p-Xylene	106	8.701	8.701	0.0	99	471228	97.8	
91 o-Xylene	106	9.139	9.139	0.0	96	228025	49.2	
107 1,2,4-Trimethylbenzene	105	10.429	10.429	0.0	95	478162	45.0	
116 1,2-Dichlorobenzene	146	11.165	11.165	0.0	98	308695	47.5	
S 124 Xylenes, Total	1				0		147.0	
S 125 1,2-Dichloroethene, Total	1				0		95.4	

Report Date: 18-Apr-2012 13:21:55 Chrom Revision: 2.0 20-Feb-2012 13:27:02

Data File: \\Bufchrom\ChromData\HP5973F\20120411-10889.b\F8014.D

Injection Date:	11-Apr-2012 09:58:30	Limit Group:	MV - 8260B ICAL
Client ID:		Instrument ID:	HP5973F
Lims Batch ID:	59033	Lims Sample ID:	4
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.: 480-18292-1

SDG No.:

Client Sample ID: | Lab Sample ID: LCS 480-59441/4

Matrix: Water | Lab File ID: G11024.D

Analysis Method: 8260B | Date Collected:

Sample wt/vol: 5(mL) | Date Analyzed: 04/13/2012 10:53

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.: 59441 | Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
75-34-3	1,1-Dichloroethane	24.7		1.0	0.38
75-35-4	1,1-Dichloroethene	17.0		1.0	0.29
95-50-1	1,2-Dichlorobenzene	27.2		1.0	0.79
107-06-2	1,2-Dichloroethane	28.0		1.0	0.21
71-43-2	Benzene	24.3		1.0	0.41
108-90-7	Chlorobenzene	24.7		1.0	0.75
156-59-2	cis-1,2-Dichloroethene	24.7		1.0	0.81
100-41-4	Ethylbenzene	23.4		1.0	0.74
1634-04-4	Methyl tert-butyl ether	28.3		1.0	0.16
127-18-4	Tetrachloroethene	21.7		1.0	0.36
108-88-3	Toluene	23.2		1.0	0.51
156-60-5	trans-1,2-Dichloroethene	22.0		1.0	0.90
79-01-6	Trichloroethene	23.3		1.0	0.46
1330-20-7	Xylenes, Total	70.3		2.0	0.66

CAS NO.	SURROGATE	%REC	Q	LIMITS
17060-07-0	1,2-Dichloroethane-d4 (Surr)	117		66-137
2037-26-5	Toluene-d8 (Surr)	96		71-126
460-00-4	4-Bromofluorobenzene (Surr)	106		73-120

TestAmerica Laboratories
Target Compound Quantitation Report

Data File: \\Bufchrom\ChromData\HP5973G\20120413-10963.b\G11024.D
Lims ID: LCS Client ID:
Inject. Date: 13-Apr-2012 10:53:30 Dil. Factor: 1.0000
Sample Type: LCS
Sample ID: LCS
Misc. Info.: 480-0010963-004 =480-0010963-004
Operator: DHC Instrument ID: HP5973G
Vol. Injected: 1.0000 ALS Bottle#: 4
Lims Batch ID: 59441 Lims Sample ID: 4
Detector: MS SCAN

Method: \\Bufchrom\ChromData\HP5973G\20120413-10963.b\G-8260.m
Last Update: 18-Apr-2012 13:25:23 Calib Date: 10-Apr-2012 01:42:30
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\Bufchrom\ChromData\HP5973G\20120409-10850.b\G10850.D
Limit Group: MV - 8260B ICAL
Integrator: RTE ID Type: Deconvolution ID
Process Host: CORP-CTX-19

First Level Reviewer: coderd Date: 13-Apr-2012 12:51:51

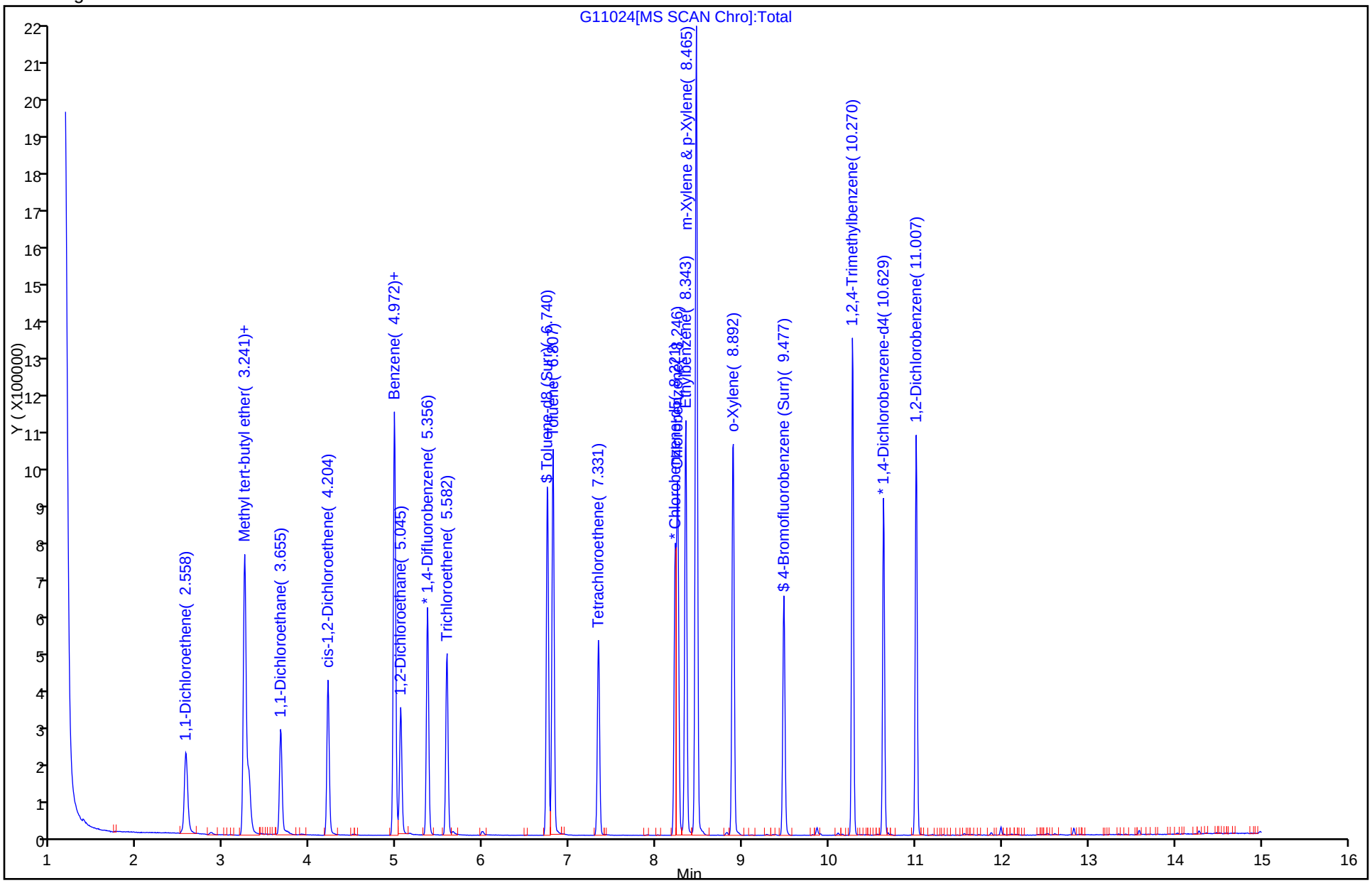
Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/L	Flags
* 1 1,4-Difluorobenzene	114	5.356	5.356	0.0	96	473562	25.0	
* 2 Chlorobenzene-d5	82	8.221	8.215	0.006	88	239664	25.0	
* 3 1,4-Dichlorobenzene-d4	152	10.629	10.630	-0.001	97	222525	25.0	
$ 4 1,2-Dichloroethane-d4 (Surr)	67	4.972	4.972	0.0	0	101782	29.3	
$ 5 Toluene-d8 (Surr)	98	6.740	6.740	0.0	93	625786	23.9	
$ 6 4-Bromofluorobenzene (Surr)	174	9.477	9.477	0.0	84	174140	26.6	
20 1,1-Dichloroethene	96	2.558	2.552	0.006	94	119458	17.0	
31 Methyl tert-butyl ether	73	3.241	3.234	0.007	93	563531	28.3	
32 trans-1,2-Dichloroethene	96	3.247	3.241	0.006	95	175462	22.0	
36 1,1-Dichloroethane	63	3.655	3.655	0.0	85	317882	24.7	
43 cis-1,2-Dichloroethene	96	4.204	4.198	0.006	71	175071	24.7	
56 Benzene	78	4.972	4.972	0.0	96	701214	24.3	
57 1,2-Dichloroethane	62	5.045	5.045	0.0	90	261711	28.0	
61 Trichloroethene	95	5.582	5.575	0.007	94	164356	23.3	
74 Toluene	92	6.807	6.807	0.0	98	447708	23.2	
80 Tetrachloroethene	166	7.331	7.331	0.0	90	159818	21.7	
86 Chlorobenzene	112	8.252	8.252	0.0	92	499172	24.7	
89 Ethylbenzene	91	8.343	8.343	0.0	99	848564	23.4	
90 m-Xylene & p-Xylene	106	8.465	8.465	0.0	99	648667	46.0	
91 o-Xylene	106	8.892	8.892	0.0	98	319599	24.3	
107 1,2,4-Trimethylbenzene	105	10.270	10.270	0.0	98	734660	24.7	
116 1,2-Dichlorobenzene	146	11.007	11.007	0.0	95	406470	27.2	
S 125 1,2-Dichloroethene, Total	1				0		46.8	
S 124 Xylenes, Total	1				0		70.3	

Report Date: 18-Apr-2012 13:25:24 Chrom Revision: 2.0 20-Feb-2012 13:27:02

Data File: \\Bufchrom\ChromData\HP5973G\20120413-10963.b\G11024.D

Injection Date:	13-Apr-2012 10:53:30	Limit Group:	MV - 8260B ICAL
Client ID:		Instrument ID:	HP5973G
Lims Batch ID:	59441	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.: 480-18292-1

SDG No.:

Client Sample ID: RB-01 (0-6") MS | Lab Sample ID: 480-18292-5 MS

Matrix: Solid | Lab File ID: F8017.D

Analysis Method: 8260B | Date Collected: 04/05/2012 15:45

Sample wt/vol: 3.26(g) | Date Analyzed: 04/11/2012 11:28

Soil Aliquot Vol: | Dilution Factor: 1

Soil Extract Vol.: | GC Column: ZB-624 (60) ID: 0.25(mm)

% Moisture: 10.7 | Level: (low/med) Low

Analysis Batch No.: 59033 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
71-55-6	1,1,1-Trichloroethane	ND		8.6	0.62
79-34-5	1,1,2,2-Tetrachloroethane	ND		8.6	1.4
79-00-5	1,1,2-Trichloroethane	ND		8.6	1.1
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	ND		8.6	2.0
75-34-3	1,1-Dichloroethane	36.6		8.6	1.0
75-35-4	1,1-Dichloroethene	31.1		8.6	1.1
120-82-1	1,2,4-Trichlorobenzene	ND		8.6	0.52
96-12-8	1,2-Dibromo-3-Chloropropane	ND		8.6	4.3
106-93-4	1,2-Dibromoethane	ND		8.6	1.1
95-50-1	1,2-Dichlorobenzene	19.6		8.6	0.67
107-06-2	1,2-Dichloroethane	31.6		8.6	0.43
78-87-5	1,2-Dichloropropane	ND		8.6	4.3
541-73-1	1,3-Dichlorobenzene	ND		8.6	0.44
106-46-7	1,4-Dichlorobenzene	ND		8.6	1.2
591-78-6	2-Hexanone	ND		43	4.3
78-93-3	2-Butanone (MEK)	ND		43	3.1
108-10-1	4-Methyl-2-pentanone (MIBK)	ND		43	2.8
67-64-1	Acetone	ND		43	7.2
71-43-2	Benzene	35.6		8.6	0.42
75-27-4	Bromodichloromethane	ND		8.6	1.2
75-25-2	Bromoform	ND		8.6	4.3
74-83-9	Bromomethane	ND		8.6	0.77
75-15-0	Carbon disulfide	ND		8.6	4.3
56-23-5	Carbon tetrachloride	ND		8.6	0.83
108-90-7	Chlorobenzene	28.3		8.6	1.1
124-48-1	Dibromochloromethane	ND		8.6	1.1
75-00-3	Chloroethane	ND		8.6	1.9
67-66-3	Chloroform	ND		8.6	0.53
74-87-3	Chloromethane	ND		8.6	0.52
156-59-2	cis-1,2-Dichloroethene	33.7		8.6	1.1
10061-01-5	cis-1,3-Dichloropropene	ND		8.6	1.2
110-82-7	Cyclohexane	ND		8.6	1.2
75-71-8	Dichlorodifluoromethane	ND		8.6	0.71
100-41-4	Ethylbenzene	29.4		8.6	0.59
98-82-8	Isopropylbenzene	ND		8.6	1.3

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Buffalo | Job No.: 480-18292-1

SDG No.:

Client Sample ID: RB-01 (0-6") MS | Lab Sample ID: 480-18292-5 MS

Matrix: Solid | Lab File ID: F8017.D

Analysis Method: 8260B | Date Collected: 04/05/2012 15:45

Sample wt/vol: 3.26(g) | Date Analyzed: 04/11/2012 11:28

Soil Aliquot Vol: | Dilution Factor: 1

Soil Extract Vol.: | GC Column: ZB-624 (60) ID: 0.25(mm)

% Moisture: 10.7 | Level: (low/med) Low

Analysis Batch No.: 59033 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
79-20-9	Methyl acetate	ND		8.6	1.6
1634-04-4	Methyl tert-butyl ether	32.5		8.6	0.84
108-87-2	Methylcyclohexane	ND		8.6	1.3
75-09-2	Methylene Chloride	ND		8.6	4.0
100-42-5	Styrene	ND		8.6	0.43
127-18-4	Tetrachloroethene	30.9		8.6	1.2
108-88-3	Toluene	34.0		8.6	0.65
156-60-5	trans-1,2-Dichloroethene	32.3		8.6	0.89
10061-02-6	trans-1,3-Dichloropropene	ND		8.6	3.8
79-01-6	Trichloroethene	28.9		8.6	1.9
75-69-4	Trichlorofluoromethane	ND		8.6	0.81
75-01-4	Vinyl chloride	ND		8.6	1.0
1330-20-7	Xylenes, Total	90.7		17	1.4

CAS NO.	SURROGATE	%REC	Q	LIMITS
17060-07-0	1,2-Dichloroethane-d4 (Surr)	86		64-126
2037-26-5	Toluene-d8 (Surr)	108		71-125
460-00-4	4-Bromofluorobenzene (Surr)	106		72-126

TestAmerica Laboratories
Target Compound Quantitation Report

Data File: \\Bufchrom\ChromData\HP5973F\20120411-10889.b\F8017.D
Lims ID: 480-18292-F-5-A MS
Client ID: RB-01 (0-6")
Inject. Date: 11-Apr-2012 11:28:30
Dil. Factor: 1.0000
Sample Type: MS
Sample ID: 480-18292-F-5-A MS
Misc. Info.: 480-0010889-007 =480-0010889-007
Operator: jmb
Instrument ID: HP5973F
Vol. Injected: 1.0000
ALS Bottle#: 7
Lims Batch ID: 59033
Lims Sample ID: 7
Detector: MS SCAN

Method: \\Bufchrom\ChromData\HP5973F\20120411-10889.b\F-8260 SOIL.m
Last Update: 18-Apr-2012 13:21:54
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: 11-Apr-2012 18:56:15

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	455416	50.0	
* 2 Chlorobenzene-d5	82	8.494	8.494	0.0	80	182163	50.0	
* 3 1,4-Dichlorobenzene-d4	152	10.800	10.800	0.0	92	206983	50.0	
$ 4 1,2-Dichloroethane-d4 (Surr)	67	5.410	5.404	0.006	99	59667	43.1	
$ 5 Toluene-d8 (Surr)	98	7.040	7.040	0.0	91	466530	54.2	
$ 6 4-Bromofluorobenzene (Surr)	174	9.705	9.705	0.0	91	151705	53.0	
10 Dichlorodifluoromethane	85		2.058					
12 Chloromethane	50		2.210					
13 Vinyl chloride	62		2.325					
14 Bromomethane	94		2.630					
15 Chloroethane	64		2.709					
17 Trichlorofluoromethane	101		2.928					
21 1,1,2-Trichloro-1,2,2-trifluoroe	101		3.311					
22 1,1-Dichloroethene	96	3.348	3.335	0.013	86	39911	18.1	
23 Acetone	43		3.384					
26 Carbon disulfide	76		3.560					
27 Methyl acetate	43		3.609					
30 Methylene Chloride	84		3.737					
32 Methyl tert-butyl ether	73	3.895	3.895	0.0	90	144186	18.9	
34 trans-1,2-Dichloroethene	96	3.932	3.925	0.007	95	48187	18.8	
39 1,1-Dichloroethane	63	4.272	4.266	0.006	82	92588	21.3	
43 2-Butanone (MEK)	43		4.716					
45 cis-1,2-Dichloroethene	96	4.735	4.728	0.007	63	56669	19.6	
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	97	202556	20.7	
58 1,2-Dichloroethane	62	5.471	5.471	0.0	72	63341	18.4	
62 Trichloroethene	95	5.963	5.957	0.006	86	44010	16.8	
64 Methylcyclohexane	83		6.097					

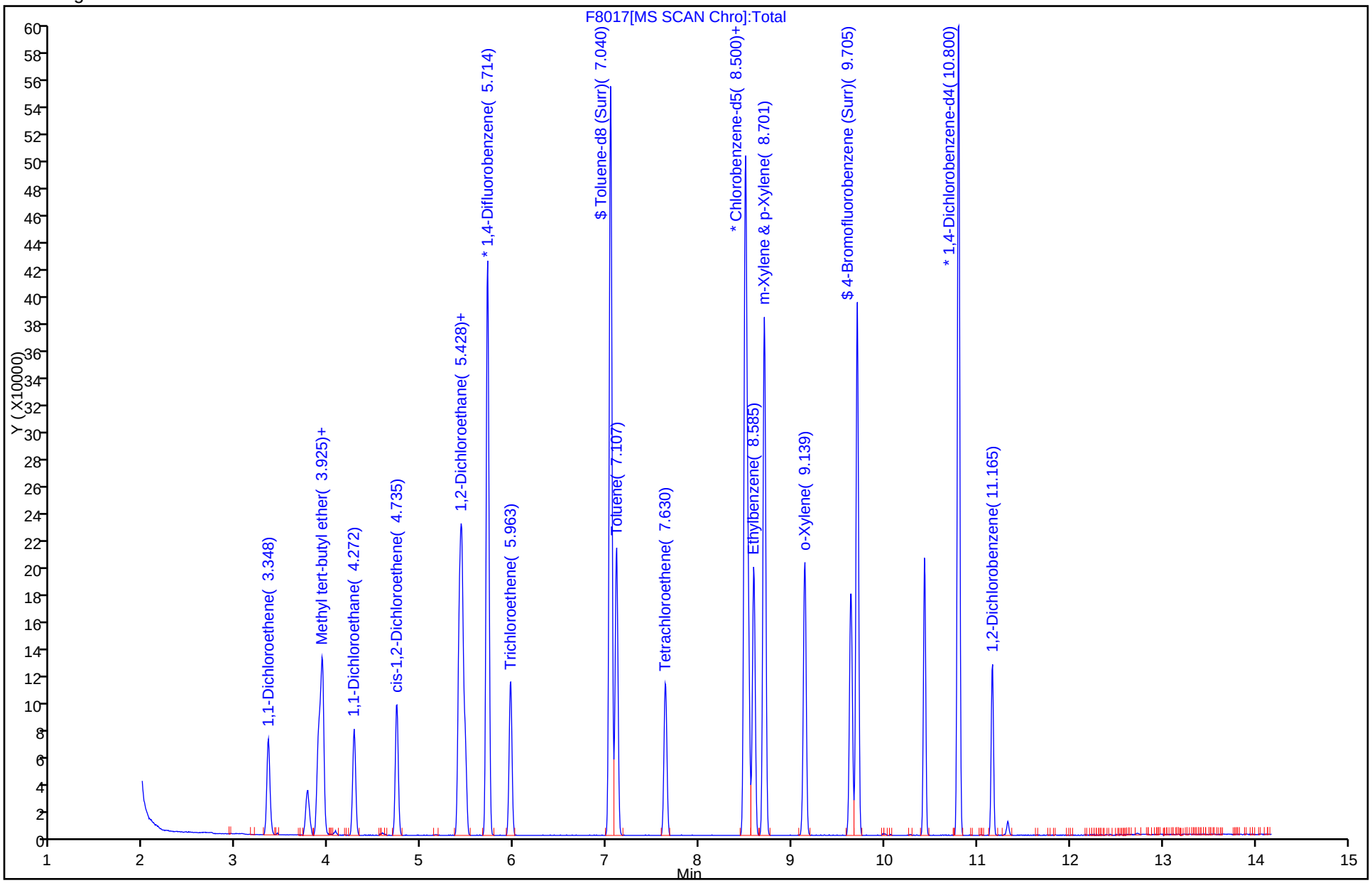
Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/kg	Flags
65 1,2-Dichloropropane	63		6.182					
68 Dichlorobromomethane	83		6.426					
72 cis-1,3-Dichloropropene	75		6.809					
73 4-Methyl-2-pentanone (MIBK)	43		6.906					
74 Toluene	92	7.107	7.107	0.0	97	120061	19.8	
77 trans-1,3-Dichloropropene	75		7.326					
79 1,1,2-Trichloroethane	83		7.527					
81 Tetrachloroethene	166	7.630	7.636	-0.006	90	48378	18.0	
80 2-Hexanone	43		7.703					
83 Chlorodibromomethane	129		7.941					
84 Ethylene Dibromide	107		8.074					
87 Chlorobenzene	112	8.525	8.525	0.0	94	121682	16.5	
88 Ethylbenzene	91	8.585	8.585	0.0	96	191715	17.1	
90 m-Xylene & p-Xylene	106	8.701	8.701	0.0	99	161284	34.5	
91 o-Xylene	106	9.139	9.139	0.0	95	82327	18.3	
92 Styrene	104		9.157					
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	11.165	0.0	96	67071	11.4	
117 1,2-Dibromo-3-Chloropropane	75		11.834					
119 1,2,4-Trichlorobenzene	180		12.491					
S 124 Xylenes, Total	1				0		52.8	

Report Date: 19-Apr-2012 13:00:58 Chrom Revision: 2.0 20-Feb-2012 13:27:02

Data File: \\Bufchrom\ChromData\HP5973F\20120411-10889.b\F8017.D

Injection Date:	11-Apr-2012 11:28:30	Limit Group:	MV - 8260B ICAL
Client ID:	RB-01 (0-6")	Instrument ID:	HP5973F
Lims Batch ID:	59033	Lims Sample ID:	7
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.: 480-18292-1

SDG No.:

Client Sample ID: RB-01 (0-6") MSD | Lab Sample ID: 480-18292-5 MSD

Matrix: Solid | Lab File ID: F8018.D

Analysis Method: 8260B | Date Collected: 04/05/2012 15:45

Sample wt/vol: 2.79(g) | Date Analyzed: 04/11/2012 11:53

Soil Aliquot Vol: | Dilution Factor: 1

Soil Extract Vol.: | GC Column: ZB-624 (60) ID: 0.25(mm)

% Moisture: 10.7 | Level: (low/med) Low

Analysis Batch No.: 59033 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
71-55-6	1,1,1-Trichloroethane	ND		10	0.73
79-34-5	1,1,2,2-Tetrachloroethane	ND		10	1.6
79-00-5	1,1,2-Trichloroethane	ND		10	1.3
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	ND		10	2.3
75-34-3	1,1-Dichloroethane	70.2		10	1.2
75-35-4	1,1-Dichloroethene	59.4		10	1.2
120-82-1	1,2,4-Trichlorobenzene	ND		10	0.61
96-12-8	1,2-Dibromo-3-Chloropropane	ND		10	5.0
106-93-4	1,2-Dibromoethane	ND		10	1.3
95-50-1	1,2-Dichlorobenzene	32.7		10	0.78
107-06-2	1,2-Dichloroethane	59.4		10	0.50
78-87-5	1,2-Dichloropropane	ND		10	5.0
541-73-1	1,3-Dichlorobenzene	ND		10	0.52
106-46-7	1,4-Dichlorobenzene	ND		10	1.4
591-78-6	2-Hexanone	ND		50	5.0
78-93-3	2-Butanone (MEK)	ND		50	3.7
108-10-1	4-Methyl-2-pentanone (MIBK)	ND		50	3.3
67-64-1	Acetone	ND		50	8.4
71-43-2	Benzene	68.0		10	0.49
75-27-4	Bromodichloromethane	ND		10	1.3
75-25-2	Bromoform	ND		10	5.0
74-83-9	Bromomethane	ND		10	0.90
75-15-0	Carbon disulfide	ND		10	5.0
56-23-5	Carbon tetrachloride	ND		10	0.97
108-90-7	Chlorobenzene	51.0		10	1.3
124-48-1	Dibromochloromethane	ND		10	1.3
75-00-3	Chloroethane	ND		10	2.3
67-66-3	Chloroform	ND		10	0.62
74-87-3	Chloromethane	ND		10	0.61
156-59-2	cis-1,2-Dichloroethene	63.2		10	1.3
10061-01-5	cis-1,3-Dichloropropene	ND		10	1.4
110-82-7	Cyclohexane	ND		10	1.4
75-71-8	Dichlorodifluoromethane	ND		10	0.83
100-41-4	Ethylbenzene	53.0		10	0.69
98-82-8	Isopropylbenzene	ND		10	1.5

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Buffalo | Job No.: 480-18292-1

SDG No.:

Client Sample ID: RB-01 (0-6") MSD | Lab Sample ID: 480-18292-5 MSD

Matrix: Solid | Lab File ID: F8018.D

Analysis Method: 8260B | Date Collected: 04/05/2012 15:45

Sample wt/vol: 2.79(g) | Date Analyzed: 04/11/2012 11:53

Soil Aliquot Vol: | Dilution Factor: 1

Soil Extract Vol.: | GC Column: ZB-624 (60) ID: 0.25(mm)

% Moisture: 10.7 | Level: (low/med) Low

Analysis Batch No.: 59033 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
79-20-9	Methyl acetate	ND		10	1.9
1634-04-4	Methyl tert-butyl ether	63.0		10	0.99
108-87-2	Methylcyclohexane	ND		10	1.5
75-09-2	Methylene Chloride	ND		10	4.6
100-42-5	Styrene	ND		10	0.50
127-18-4	Tetrachloroethene	54.4		10	1.3
108-88-3	Toluene	62.8		10	0.76
156-60-5	trans-1,2-Dichloroethene	60.2		10	1.0
10061-02-6	trans-1,3-Dichloropropene	ND		10	4.4
79-01-6	Trichloroethene	52.2		10	2.2
75-69-4	Trichlorofluoromethane	ND		10	0.95
75-01-4	Vinyl chloride	ND		10	1.2
1330-20-7	Xylenes, Total	164		20	1.7

CAS NO.	SURROGATE	%REC	Q	LIMITS
17060-07-0	1,2-Dichloroethane-d4 (Surr)	86		64-126
2037-26-5	Toluene-d8 (Surr)	109		71-125
460-00-4	4-Bromofluorobenzene (Surr)	107		72-126

TestAmerica Laboratories
Target Compound Quantitation Report

Data File: \\Bufchrom\ChromData\HP5973F\20120411-10889.b\F8018.D
Lims ID: 480-18292-G-5-B MSD Client ID: RB-01 (0-6")
Inject. Date: 11-Apr-2012 11:53:30 Dil. Factor: 1.0000
Sample Type: MSD
Sample ID: 480-18292-G-5-B MSD
Misc. Info.: 480-0010889-008 =480-0010889-008
Operator: jmb Instrument ID: HP5973F
Vol. Injected: 1.0000 ALS Bottle#: 8
Lims Batch ID: 59033 Lims Sample ID: 8
Detector: MS SCAN

Method: \\Bufchrom\ChromData\HP5973F\20120411-10889.b\F-8260 SOIL.m
Last Update: 18-Apr-2012 13:21:54 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: 11-Apr-2012 18:57:47

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	458272	50.0	
* 2 Chlorobenzene-d5	82	8.494	8.494	0.0	81	182932	50.0	
* 3 1,4-Dichlorobenzene-d4	152	10.800	10.800	0.0	92	209590	50.0	
$ 4 1,2-Dichloroethane-d4 (Surr)	67	5.404	5.404	0.0	96	59592	42.8	
$ 5 Toluene-d8 (Surr)	98	7.040	7.040	0.0	91	469533	54.3	
$ 6 4-Bromofluorobenzene (Surr)	174	9.705	9.705	0.0	91	154066	53.6	
10 Dichlorodifluoromethane	85		2.058					
12 Chloromethane	50		2.210					
13 Vinyl chloride	62		2.325					
14 Bromomethane	94		2.630					
15 Chloroethane	64		2.709					
17 Trichlorofluoromethane	101		2.928					
21 1,1,2-Trichloro-1,2,2-trifluoroe	101		3.311					
22 1,1-Dichloroethene	96	3.341	3.335	0.006	87	65619	29.6	
23 Acetone	43		3.384					
26 Carbon disulfide	76		3.560					
27 Methyl acetate	43		3.609					
30 Methylene Chloride	84		3.737					
32 Methyl tert-butyl ether	73	3.895	3.895	0.0	90	241173	31.4	
34 trans-1,2-Dichloroethene	96	3.925	3.925	0.0	96	77296	30.0	
39 1,1-Dichloroethane	63	4.266	4.266	0.0	82	153139	35.0	
43 2-Butanone (MEK)	43		4.716					
45 cis-1,2-Dichloroethene	96	4.728	4.728	0.0	64	91624	31.5	
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	97	334039	33.9	
58 1,2-Dichloroethane	62	5.471	5.471	0.0	72	102840	29.6	
62 Trichloroethene	95	5.957	5.957	0.0	88	68745	26.0	
64 Methylcyclohexane	83		6.097					

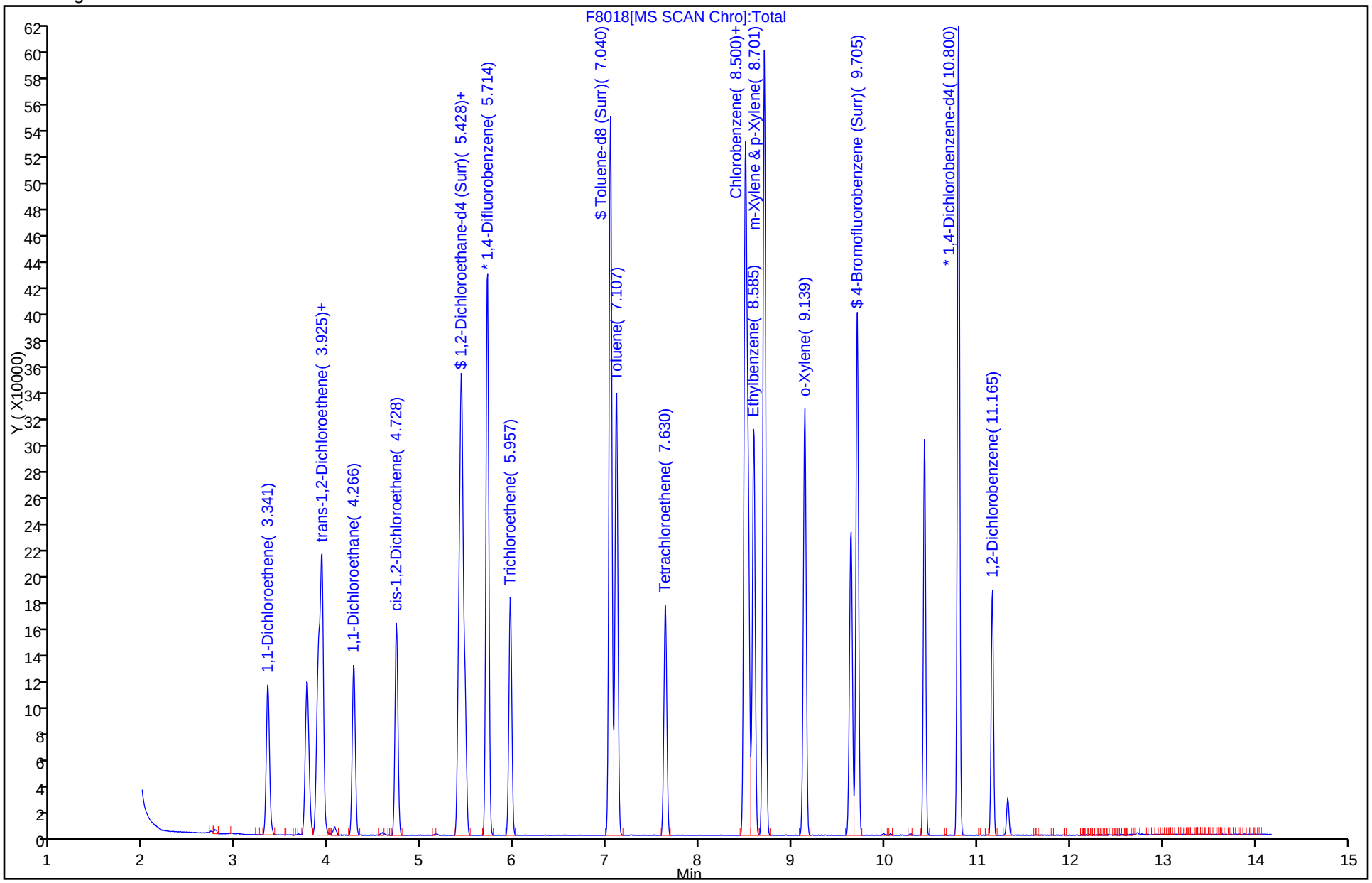
Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/kg	Flags
65 1,2-Dichloropropane	63		6.182					
68 Dichlorobromomethane	83		6.426					
72 cis-1,3-Dichloropropene	75		6.809					
73 4-Methyl-2-pentanone (MIBK)	43		6.906					
74 Toluene	92	7.107	7.107	0.0	98	190467	31.3	
77 trans-1,3-Dichloropropene	75		7.326					
79 1,1,2-Trichloroethane	83		7.527					
81 Tetrachloroethene	166	7.630	7.636	-0.006	90	73264	27.1	
80 2-Hexanone	43		7.703					
83 Chlorodibromomethane	129		7.941					
84 Ethylene Dibromide	107		8.074					
87 Chlorobenzene	112	8.531	8.525	0.006	95	188704	25.4	
88 Ethylbenzene	91	8.585	8.585	0.0	97	295950	26.4	
90 m-Xylene & p-Xylene	106	8.701	8.701	0.0	99	248929	53.0	
91 o-Xylene	106	9.139	9.139	0.0	95	130821	29.0	
92 Styrene	104		9.157					
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	11.165	0.0	97	96712	16.3	
117 1,2-Dibromo-3-Chloropropane	75		11.834					
119 1,2,4-Trichlorobenzene	180		12.491					
S 124 Xylenes, Total	1				0		82.1	

Report Date: 19-Apr-2012 13:01:02 Chrom Revision: 2.0 20-Feb-2012 13:27:02

Data File: \\Bufchrom\ChromData\HP5973F\20120411-10889.b\F8018.D

Injection Date:	11-Apr-2012 11:53:30	Limit Group:	MV - 8260B ICAL
Client ID:	RB-01 (0-6")	Instrument ID:	HP5973F
Lims Batch ID:	59033	Lims Sample ID:	8
Operator ID:	jmb		
Column Type:	ZB-624	Column Dia:	0.25 mm

Y Scaling:



GC/MS VOA ANALYSIS RUN LOG

Lab Name: TestAmerica Buffalo Job No.: 480-18292-1

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.: 480-18292-1

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.: 480-18292-1

SDG No.:

Instrument ID: HP5973F Start Date: 04/10/2012 21:21

Analysis Batch Number: 58994 End Date: 04/11/2012 08:12

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
BFB 480-58994/1		04/10/2012 21:21	1	F7986.D	ZB-624 (60) 0.25(mm)
CCVIS 480-58994/2		04/10/2012 21:46	1	F7987.D	ZB-624 (60) 0.25(mm)
CCV 480-58994/3		04/10/2012 22:20	1	F7988.D	ZB-624 (60) 0.25(mm)
LCS 480-58994/4		04/10/2012 22:45	1	F7989.D	ZB-624 (60) 0.25(mm)
MB 480-58994/5		04/10/2012 23:11	1	F7990.D	ZB-624 (60) 0.25(mm)
ZZZZZ		04/11/2012 00:09	1		ZB-624 (60) 0.25(mm)
ZZZZZ		04/11/2012 00:35	1		ZB-624 (60) 0.25(mm)
ZZZZZ		04/11/2012 01:00	1		ZB-624 (60) 0.25(mm)
ZZZZZ		04/11/2012 01:25	1		ZB-624 (60) 0.25(mm)
ZZZZZ		04/11/2012 01:51	1		ZB-624 (60) 0.25(mm)
ZZZZZ		04/11/2012 02:16	1		ZB-624 (60) 0.25(mm)
ZZZZZ		04/11/2012 02:42	1		ZB-624 (60) 0.25(mm)
ZZZZZ		04/11/2012 03:07	1		ZB-624 (60) 0.25(mm)
ZZZZZ		04/11/2012 03:32	1		ZB-624 (60) 0.25(mm)
ZZZZZ		04/11/2012 03:58	1		ZB-624 (60) 0.25(mm)
ZZZZZ		04/11/2012 04:23	1		ZB-624 (60) 0.25(mm)
ZZZZZ		04/11/2012 04:49	1		ZB-624 (60) 0.25(mm)
ZZZZZ		04/11/2012 05:14	1		ZB-624 (60) 0.25(mm)
ZZZZZ		04/11/2012 05:39	1		ZB-624 (60) 0.25(mm)
480-18292-1	RB-10 (6-12")	04/11/2012 06:05	1	F8005.D	ZB-624 (60) 0.25(mm)
480-18292-2	RB-10 (12-24")	04/11/2012 06:30	1	F8006.D	ZB-624 (60) 0.25(mm)
480-18292-3	RB-11 (0-6")	04/11/2012 06:56	1	F8007.D	ZB-624 (60) 0.25(mm)
480-18292-4	RB-12 (0-6")	04/11/2012 07:21	1	F8008.D	ZB-624 (60) 0.25(mm)
480-18292-6	RB-01 (6-12")	04/11/2012 07:46	1	F8009.D	ZB-624 (60) 0.25(mm)
480-18292-7	RB-01 (12-24")	04/11/2012 08:12	1	F8010.D	ZB-624 (60) 0.25(mm)

GC/MS VOA ANALYSIS RUN LOG

Lab Name: TestAmerica Buffalo Job No.: 480-18292-1

SDG No.:

Instrument ID: HP5973F Start Date: 04/11/2012 08:37

Analysis Batch Number: 59033 End Date: 04/11/2012 20:21

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
BFB 480-59033/1		04/11/2012 08:37	1	F8011.D	ZB-624 (60) 0.25(mm)
CCVIS 480-59033/2		04/11/2012 09:07	1	F8012.D	ZB-624 (60) 0.25(mm)
CCV 480-59033/3		04/11/2012 09:32	1	F8013.D	ZB-624 (60) 0.25(mm)
LCS 480-59033/4		04/11/2012 09:58	1	F8014.D	ZB-624 (60) 0.25(mm)
MB 480-59033/5		04/11/2012 10:23	1	F8015.D	ZB-624 (60) 0.25(mm)
480-18292-5	RB-01 (0-6")	04/11/2012 11:02	1	F8016.D	ZB-624 (60) 0.25(mm)
480-18292-5 MS	RB-01 (0-6") MS	04/11/2012 11:28	1	F8017.D	ZB-624 (60) 0.25(mm)
480-18292-5 MSD	RB-01 (0-6") MSD	04/11/2012 11:53	1	F8018.D	ZB-624 (60) 0.25(mm)
480-18292-8	RB-02 (0-6")	04/11/2012 12:18	1	F8019.D	ZB-624 (60) 0.25(mm)
480-18292-9	RB-02 (6-12")	04/11/2012 12:44	1	F8020.D	ZB-624 (60) 0.25(mm)
480-18292-10	RB-02 (12-24")	04/11/2012 13:09	1	F8021.D	ZB-624 (60) 0.25(mm)
480-18292-11	DUP-03	04/11/2012 13:35	1	F8022.D	ZB-624 (60) 0.25(mm)
ZZZZZ		04/11/2012 14:51	1		ZB-624 (60) 0.25(mm)
ZZZZZ		04/11/2012 15:16	1		ZB-624 (60) 0.25(mm)
ZZZZZ		04/11/2012 15:42	1		ZB-624 (60) 0.25(mm)
ZZZZZ		04/11/2012 16:07	1		ZB-624 (60) 0.25(mm)
ZZZZZ		04/11/2012 16:32	1		ZB-624 (60) 0.25(mm)
ZZZZZ		04/11/2012 16:58	1		ZB-624 (60) 0.25(mm)
ZZZZZ		04/11/2012 17:23	1		ZB-624 (60) 0.25(mm)
ZZZZZ		04/11/2012 17:49	1		ZB-624 (60) 0.25(mm)
ZZZZZ		04/11/2012 18:14	1		ZB-624 (60) 0.25(mm)
ZZZZZ		04/11/2012 18:39	1		ZB-624 (60) 0.25(mm)
ZZZZZ		04/11/2012 19:30	1		ZB-624 (60) 0.25(mm)
ZZZZZ		04/11/2012 19:56	1		ZB-624 (60) 0.25(mm)
ZZZZZ		04/11/2012 20:21	1		ZB-624 (60) 0.25(mm)

GC/MS VOA ANALYSIS RUN LOG

Lab Name: TestAmerica Buffalo Job No.: 480-18292-1

SDG No.:

Instrument ID: HP5973G Start Date: 04/09/2012 19:28

Analysis Batch Number: 58822 End Date: 04/10/2012 02:51

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
BFB 480-58822/1		04/09/2012 19:28	1	G10836.D	ZB-624 (60) 0.25(mm)
STD 480-58822/3 IC		04/09/2012 20:15	1	G10838.D	ZB-624 (60) 0.25(mm)
STD 480-58822/4 IC		04/09/2012 20:38	1	G10839.D	ZB-624 (60) 0.25(mm)
STD 480-58822/5 IC		04/09/2012 21:01	1	G10840.D	ZB-624 (60) 0.25(mm)
STD 480-58822/6 ICIS		04/09/2012 21:24	1	G10841.D	ZB-624 (60) 0.25(mm)
STD 480-58822/7 IC		04/09/2012 21:46	1	G10842.D	ZB-624 (60) 0.25(mm)
STD 480-58822/8 IC		04/09/2012 22:09	1	G10843.D	ZB-624 (60) 0.25(mm)
STD 480-58822/10 IC		04/09/2012 23:46	1	G10845.D	ZB-624 (60) 0.25(mm)
STD 480-58822/11 IC		04/10/2012 00:09	1	G10846.D	ZB-624 (60) 0.25(mm)
STD 480-58822/12 IC		04/10/2012 00:33	1	G10847.D	ZB-624 (60) 0.25(mm)
STD 480-58822/13 IC		04/10/2012 00:56	1	G10848.D	ZB-624 (60) 0.25(mm)
STD 480-58822/14 IC		04/10/2012 01:19	1	G10849.D	ZB-624 (60) 0.25(mm)
STD 480-58822/15 IC		04/10/2012 01:42	1	G10850.D	ZB-624 (60) 0.25(mm)
ICV 480-58822/17		04/10/2012 02:28	1		ZB-624 (60) 0.25(mm)
MDLV 480-58822/18		04/10/2012 02:51	1		ZB-624 (60) 0.25(mm)

GC/MS VOA ANALYSIS RUN LOG

Lab Name: TestAmerica Buffalo Job No.: 480-18292-1

SDG No.:

Instrument ID: HP5973G Start Date: 04/13/2012 09:30

Analysis Batch Number: 59441 End Date: 04/13/2012 19:58

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
BFB 480-59441/1		04/13/2012 09:30	1	G11021.D	ZB-624 (60) 0.25(mm)
CCVIS 480-59441/2		04/13/2012 09:56	1	G11022.D	ZB-624 (60) 0.25(mm)
CCV 480-59441/3		04/13/2012 10:31	1	G11023.D	ZB-624 (60) 0.25(mm)
LCS 480-59441/4		04/13/2012 10:53	1	G11024.D	ZB-624 (60) 0.25(mm)
ZZZZZ		04/13/2012 10:53	1		ZB-624 (60) 0.25(mm)
MB 480-59441/5		04/13/2012 11:16	1	G11025.D	ZB-624 (60) 0.25(mm)
ZZZZZ		04/13/2012 11:16	1		ZB-624 (60) 0.25(mm)
ZZZZZ		04/13/2012 12:19	4		ZB-624 (60) 0.25(mm)
ZZZZZ		04/13/2012 12:42	2		ZB-624 (60) 0.25(mm)
ZZZZZ		04/13/2012 13:05	1		ZB-624 (60) 0.25(mm)
ZZZZZ		04/13/2012 13:28	1		ZB-624 (60) 0.25(mm)
ZZZZZ		04/13/2012 13:51	1		ZB-624 (60) 0.25(mm)
ZZZZZ		04/13/2012 14:14	1		ZB-624 (60) 0.25(mm)
ZZZZZ		04/13/2012 14:38	1		ZB-624 (60) 0.25(mm)
ZZZZZ		04/13/2012 15:01	1		ZB-624 (60) 0.25(mm)
ZZZZZ		04/13/2012 15:24	1		ZB-624 (60) 0.25(mm)
ZZZZZ		04/13/2012 15:46	1		ZB-624 (60) 0.25(mm)
480-18292-12	TRIP BLANK	04/13/2012 16:09	1	G11036.D	ZB-624 (60) 0.25(mm)
ZZZZZ		04/13/2012 16:32	1		ZB-624 (60) 0.25(mm)
ZZZZZ		04/13/2012 16:55	1		ZB-624 (60) 0.25(mm)
ZZZZZ		04/13/2012 17:18	1		ZB-624 (60) 0.25(mm)
ZZZZZ		04/13/2012 17:41	10		ZB-624 (60) 0.25(mm)
ZZZZZ		04/13/2012 18:03	10		ZB-624 (60) 0.25(mm)
ZZZZZ		04/13/2012 18:26	1		ZB-624 (60) 0.25(mm)
ZZZZZ		04/13/2012 18:50	1		ZB-624 (60) 0.25(mm)
ZZZZZ		04/13/2012 19:13	1		ZB-624 (60) 0.25(mm)
ZZZZZ		04/13/2012 19:35	5		ZB-624 (60) 0.25(mm)
ZZZZZ		04/13/2012 19:58	1		ZB-624 (60) 0.25(mm)

GC/MS VOA BATCH WORKSHEET

Lab Name: TestAmerica Buffalo Job No.: 480-18292-1

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		
480-18292-F-1	RB-10 (6-12")	5035, 8260B	T	31.21 g	36.83 g	5.62 g	5 mL		
480-18292-F-2	RB-10 (12-24")	5035, 8260B	T	31.17 g	36.67 g	5.5 g	5 mL		
480-18292-F-3	RB-11 (0-6")	5035, 8260B	T	30.90 g	35.60 g	4.7 g	5 mL		
480-18292-G-4	RB-12 (0-6")	5035, 8260B	T	31.04 g	36.74 g	5.7 g	5 mL		
480-18292-G-5	RB-01 (0-6")	5035, 8260B	T	31.02 g	34.32 g	3.3 g	5 mL		
480-18292-F-5 MS	RB-01 (0-6")	5035, 8260B	T	31.16 g	34.42 g	3.26 g	5 mL		
480-18292-G-5 MSD	RB-01 (0-6")	5035, 8260B	T	31.82 g	34.61 g	2.79 g	5 mL		
480-18292-G-6	RB-01 (6-12")	5035, 8260B	T	31.68 g	34.54 g	2.86 g	5 mL		
480-18292-F-7	RB-01 (12-24")	5035, 8260B	T	30.80 g	35.00 g	4.2 g	5 mL		
480-18292-F-8	RB-02 (0-6")	5035, 8260B	T	30.94 g	36.19 g	5.25 g	5 mL		
480-18292-F-9	RB-02 (6-12")	5035, 8260B	T	30.91 g	36.49 g	5.58 g	5 mL		
480-18292-G-10	RB-02 (12-24")	5035, 8260B	T	31.00 g	36.27 g	5.27 g	5 mL		
480-18292-G-11	DUP-03	5035, 8260B	T	31.12 g	34.62 g	3.5 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.: 480-18292-1

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-10 (6-12")	480-18292-1	70	66	75	81	73	99
RB-10 (12-24")	480-18292-2	72	73	82	91	92	107
RB-11 (0-6")	480-18292-3	71	71	70	81	78	98
RB-12 (0-6")	480-18292-4	63	65	75	86	69	100
RB-01 (0-6")	480-18292-5	52	53	55	65	37 X	82
RB-01 (6-12")	480-18292-6	66	61	67	79	43	95
RB-01 (12-24")	480-18292-7	68	69	78	89	66	97
RB-02 (0-6")	480-18292-8	66	64	75	83	56	90
RB-02 (6-12")	480-18292-9	72	64	71	80	57	89
RB-02 (12-24")	480-18292-10	68	62	65	85	67	97
DUP-03	480-18292-11	59	63	74	82	49	90
	MB 480-58845/1-A	69	71	76	82	97	103
	LCS 480-58845/2-A	74	79	91	90	115	112
RB-01 (0-6") MS	480-18292-5 MS	75	68	87	85	97	97
RB-01 (0-6") MSD	480-18292-5 MSD	82	76	95	94	96	112

	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 III
GC/MS SEMI VOA LAB CONTROL SAMPLE RECOVERY

Lab Name: TestAmerica Buffalo Job No.: 480-18292-1

SDG No.:

Matrix: Solid Level: Low Lab File ID: V8863.D

Lab ID: LCS 480-58845/2-A Client ID:

COMPOUND	SPIKE ADDED (ug/Kg)	LCS CONCENTRATION (ug/Kg)	LCS % REC	QC LIMITS REC	#
2,4-Dinitrotoluene	3270	3700	113	55-125	
2-Chlorophenol	3270	2600	79	38-120	
4-Chloro-3-methylphenol	3270	3490	107	49-125	
4-Nitrophenol	3270	3260	100	43-137	
Acenaphthene	3270	3210	98	53-120	
Bis(2-ethylhexyl) phthalate	3270	3680	113	61-133	
Fluorene	3270	3390	104	63-126	
Hexachloroethane	3270	2460	75	41-120	
N-Nitrosodi-n-propylamine	3270	3130	96	46-120	
Pentachlorophenol	3270	3240	99	33-136	
Phenol	3270	2820	86	36-120	
Pyrene	3270	3420	105	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.: 480-18292-1

SDG No.:

Matrix: Solid Level: Low Lab File ID: V8864.D

Lab ID: 480-18292-5 MS Client ID: RB-01 (0-6") MS

COMPOUND	SPIKE ADDED (ug/Kg)	SAMPLE CONCENTRATION (ug/Kg)	MS CONCENTRATION (ug/Kg)	MS % REC	QC LIMITS REC	#
2,4-Dinitrotoluene	3720	ND	2760 J	74	55-125	
2-Chlorophenol	3720	ND	3100 J	83	38-120	
4-Chloro-3-methylphenol	3720	ND	3830	103	49-125	
4-Nitrophenol	3720	ND	ND	0	43-137	F
Acenaphthene	3720	ND	3030 J	81	53-120	
Bis(2-ethylhexyl) phthalate	3720	2700 J	4740	54	61-133	F
Fluorene	3720	ND	3020 J	81	63-126	
Hexachloroethane	3720	ND	2620 J	70	41-120	
N-Nitrosodi-n-propylamine	3720	ND	3050 J	82	46-120	
Pentachlorophenol	3720	ND	6340 J	170	33-136	F
Phenol	3720	ND	2520 J	68	36-120	
Pyrene	3720	1500 J	4490	80	51-133	

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.: 480-18292-1

SDG No.:

Matrix: Solid Level: Low Lab File ID: V8865.D

Lab ID: 480-18292-5 MSD Client ID: RB-01 (0-6") MSD

COMPOUND	SPIKE ADDED (ug/Kg)	MSD CONCENTRATION (ug/Kg)	MSD % REC	% RPD	QC LIMITS RPD	QC LIMITS REC	#
2,4-Dinitrotoluene	3640	2490 J	68	10.3	20	55-125	
2-Chlorophenol	3640	3050 J	84	1.66	25	38-120	
4-Chloro-3-methylphenol	3640	3830	105	0.000	27	49-125	
4-Nitrophenol	3640	ND	0	NC	25	43-137	F
Acenaphthene	3640	3600 J	99	17.2	35	53-120	
Bis(2-ethylhexyl) phthalate	3640	5220	69	9.55	15	61-133	
Fluorene	3640	3450 J	95	13.6	15	63-126	
Hexachloroethane	3640	2930 J	80	11.1	46	41-120	
N-Nitrosodi-n-propylamine	3640	3240 J	89	6.07	31	46-120	
Pentachlorophenol	3640	ND	0	NC	35	33-136	F
Phenol	3640	3080 J	85	20.2	35	36-120	
Pyrene	3640	5280	103	16.1	35	51-133	

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.: 480-18292-1

SDG No.:

Lab File ID: V8862.D Lab Sample ID: MB 480-58845/1-A

Matrix: Solid Date Extracted: 04/10/2012 07:39

Instrument ID: HP5973V Date Analyzed: 04/11/2012 21:29

Level:(Low/Med) Low

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES:

CLIENT SAMPLE ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
	LCS 480-58845/2-A	V8863.D	04/11/2012 21:54
RB-01 (0-6") MS	480-18292-5 MS	V8864.D	04/11/2012 22:18
RB-01 (0-6") MSD	480-18292-5 MSD	V8865.D	04/11/2012 22:41
RB-10 (6-12")	480-18292-1	V8866.D	04/11/2012 23:05
RB-10 (12-24")	480-18292-2	V8867.D	04/11/2012 23:29
RB-11 (0-6")	480-18292-3	V8868.D	04/11/2012 23:53
RB-12 (0-6")	480-18292-4	V8869.D	04/12/2012 00:17
RB-01 (0-6")	480-18292-5	V8870.D	04/12/2012 00:42
RB-01 (6-12")	480-18292-6	V8871.D	04/12/2012 01:06
RB-01 (12-24")	480-18292-7	V8872.D	04/12/2012 01:30
RB-02 (0-6")	480-18292-8	V8873.D	04/12/2012 01:54
RB-02 (6-12")	480-18292-9	V8874.D	04/12/2012 02:18
RB-02 (12-24")	480-18292-10	V8875.D	04/12/2012 02:43
DUP-03	480-18292-11	V8876.D	04/12/2012 03:07

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

Lab Name: TestAmerica Buffalo Job No.: 480-18292-1

SDG No.:

Lab File ID: V7094.D DFTPP Injection Date: 03/05/2012

Instrument ID: HP5973V DFTPP Injection Time: 11:06

Analysis Batch No.: 53870

M/E	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE	
51	30.0 - 60.0 % of mass 198	38.2	
68	Less than 2.0 % of mass 69	0.7	(1.5)1
69	Mass 69 relative abundance	48.1	
70	Less than 2.0 % of mass 69	0.2	(0.4)1
127	40.0 - 60.0 % of mass 198	48.5	
197	Less than 1.0 % of mass 198	0.2	
198	Base Peak, 100 % relative abundance	100.0	
199	5.0- 9.0 % of mass 198	6.9	
275	10.0 - 30.0 % of mass 198	24.4	
365	Greater than 1.0 % of mass 198	3.2	
441	Present but less than mass 443	6.8	(59.1)1
442	Greater than 40.0 % of mass 198	57.4	
443	17.0 - 23.0 % of mass 442	11.5	(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 480-53870/8	V7103.D	03/05/2012	14:58
	IC 480-53870/9	V7104.D	03/05/2012	15:22
	IC 480-53870/10	V7105.D	03/05/2012	15:46
	IC 480-53870/11	V7106.D	03/05/2012	16:10
	IC 480-53870/12	V7107.D	03/05/2012	16:34
	IC 480-53870/13	V7108.D	03/05/2012	16:58

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

Lab Name: TestAmerica Buffalo Job No.: 480-18292-1

SDG No.:

Lab File ID: V8757.D DFTPP Injection Date: 04/09/2012

Instrument ID: HP5973V DFTPP Injection Time: 13:54

Analysis Batch No.: 58695

M/E	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE	
51	30.0 - 60.0 % of mass 198	40.0	
68	Less than 2.0 % of mass 69	0.3	(0.6)1
69	Mass 69 relative abundance	49.5	
70	Less than 2.0 % of mass 69	0.4	(0.8)1
127	40.0 - 60.0 % of mass 198	51.6	
197	Less than 1.0 % of mass 198	0.2	
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	23.4	
365	Greater than 1.0 % of mass 198	2.9	
441	Present but less than mass 443	10.3	(76.4)1
442	Greater than 40.0 % of mass 198	64.0	
443	17.0 - 23.0 % of mass 442	13.5	(21.1)2

1-Value is % mass 69 2-Value is % mass 442

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

CLIENT SAMPLE ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
	IC 480-58695/2	V8758.D	04/09/2012	14:10
	IC 480-58695/3	V8759.D	04/09/2012	14:38
	ICIS 480-58695/4	V8760.D	04/09/2012	15:02
	IC 480-58695/5	V8761.D	04/09/2012	15:27
	IC 480-58695/6	V8762.D	04/09/2012	15:51
	IC 480-58695/7	V8763.D	04/09/2012	16:15

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

Lab Name: TestAmerica Buffalo Job No.: 480-18292-1

SDG No.:

Lab File ID: V8859.D DFTPP Injection Date: 04/11/2012

Instrument ID: HP5973V DFTPP Injection Time: 20:25

Analysis Batch No.: 59155

M/E	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE	
51	30.0 - 60.0 % of mass 198	39.5	
68	Less than 2.0 % of mass 69	0.5	(1.1)1
69	Mass 69 relative abundance	45.0	
70	Less than 2.0 % of mass 69	0.3	(0.7)1
127	40.0 - 60.0 % of mass 198	47.8	
197	Less than 1.0 % of mass 198	0.3	
198	Base Peak, 100 % relative abundance	100.0	
199	5.0- 9.0 % of mass 198	6.7	
275	10.0 - 30.0 % of mass 198	26.6	
365	Greater than 1.0 % of mass 198	3.5	
441	Present but less than mass 443	10.1	(79.2)1
442	Greater than 40.0 % of mass 198	67.3	
443	17.0 - 23.0 % of mass 442	12.7	(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
	CCVIS 480-59155/2	V8860.D	04/11/2012	20:41
	CCV 480-59155/3	V8861.D	04/11/2012	21:05
	MB 480-58845/1-A	V8862.D	04/11/2012	21:29
	LCS 480-58845/2-A	V8863.D	04/11/2012	21:54
RB-01 (0-6") MS	480-18292-5 MS	V8864.D	04/11/2012	22:18
RB-01 (0-6") MSD	480-18292-5 MSD	V8865.D	04/11/2012	22:41
RB-10 (6-12")	480-18292-1	V8866.D	04/11/2012	23:05
RB-10 (12-24")	480-18292-2	V8867.D	04/11/2012	23:29
RB-11 (0-6")	480-18292-3	V8868.D	04/11/2012	23:53
RB-12 (0-6")	480-18292-4	V8869.D	04/12/2012	00:17
RB-01 (0-6")	480-18292-5	V8870.D	04/12/2012	00:42
RB-01 (6-12")	480-18292-6	V8871.D	04/12/2012	01:06
RB-01 (12-24")	480-18292-7	V8872.D	04/12/2012	01:30
RB-02 (0-6")	480-18292-8	V8873.D	04/12/2012	01:54
RB-02 (6-12")	480-18292-9	V8874.D	04/12/2012	02:18
RB-02 (12-24")	480-18292-10	V8875.D	04/12/2012	02:43
DUP-03	480-18292-11	V8876.D	04/12/2012	03:07

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

Lab Name: TestAmerica Buffalo Job No.: 480-18292-1

SDG No.:

Sample No.: CCVIS 480-59155/2 Date Analyzed: 04/11/2012 20:41

Instrument ID: HP5973V GC Column: RXI-5Sil MS ID: 0.25(mm)

Lab File ID (Standard): V8860.D Heated Purge: (Y/N) N

Calibration ID: 7318

		DCB		NPT		ANT	
		AREA #	RT #	AREA #	RT #	AREA #	RT #
12/24 HOUR STD		113993	6.01	411971	7.67	265336	9.93
UPPER LIMIT		227986	6.51	823942	8.17	530672	10.43
LOWER LIMIT		56997	5.51	205986	7.17	132668	9.43
LAB SAMPLE ID	CLIENT SAMPLE ID						
CCV 480-59155/3		102321	6.01	376174	7.66	235394	9.93
MB 480-58845/1-A		92295	6.01	352415	7.66	218406	9.93
LCS 480-58845/2-A		93227	6.01	328667	7.67	227304	9.93
480-18292-5 MS	RB-01 (0-6") MS	94802	6.01	332469	7.66	214115	9.93
480-18292-5 MSD	RB-01 (0-6") MSD	102911	6.01	364881	7.66	224366	9.93
480-18292-1	RB-10 (6-12")	109593	6.01	413279	7.67	259524	9.93
480-18292-2	RB-10 (12-24")	116017	6.01	444076	7.66	270731	9.93
480-18292-3	RB-11 (0-6")	113859	6.01	449842	7.66	285218	9.93
480-18292-4	RB-12 (0-6")	119609	6.01	454143	7.67	286709	9.93
480-18292-5	RB-01 (0-6")	125099	6.01	463885	7.67	294821	9.93
480-18292-6	RB-01 (6-12")	121407	6.01	454756	7.67	281120	9.93
480-18292-7	RB-01 (12-24")	123871	6.01	473840	7.67	286049	9.93
480-18292-8	RB-02 (0-6")	115983	6.01	458330	7.67	280569	9.93
480-18292-9	RB-02 (6-12")	116696	6.01	457707	7.67	288901	9.93
480-18292-10	RB-02 (12-24")	122761	6.02	473270	7.67	282554	9.93
480-18292-11	DUP-03	112385	6.01	458516	7.67	284795	9.93

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.: 480-18292-1

SDG No.:

Sample No.: CCVIS 480-59155/2 Date Analyzed: 04/11/2012 20:41

Instrument ID: HP5973V GC Column: RXI-5Sil MS ID: 0.25(mm)

Lab File ID (Standard): V8860.D Heated Purge: (Y/N) N

Calibration ID: 7318

		PHN		CRY		PRY	
		AREA #	RT #	AREA #	RT #	AREA #	RT #
12/24 HOUR STD		490116	11.63	494728	14.12	470649	15.50
UPPER LIMIT		980232	12.13	989456	14.62	941298	16.00
LOWER LIMIT		245058	11.13	247364	13.62	235325	15.00
LAB SAMPLE ID	CLIENT SAMPLE ID						
CCV 480-59155/3		401266	11.63	453673	14.12	422593	15.50
MB 480-58845/1-A		380950	11.63	400268	14.12	373359	15.50
LCS 480-58845/2-A		418802	11.63	431566	14.13	433435	15.50
480-18292-5 MS	RB-01 (0-6") MS	363967	11.63	377060	14.11	386042	15.49
480-18292-5 MSD	RB-01 (0-6") MSD	382391	11.63	383587	14.11	405856	15.50
480-18292-1	RB-10 (6-12")	419277	11.63	394590	14.11	419730	15.50
480-18292-2	RB-10 (12-24")	461586	11.63	427574	14.11	470374	15.50
480-18292-3	RB-11 (0-6")	470850	11.63	478429	14.11	505225	15.50
480-18292-4	RB-12 (0-6")	463023	11.63	481980	14.11	528918	15.50
480-18292-5	RB-01 (0-6")	489647	11.63	507668	14.11	553648	15.50
480-18292-6	RB-01 (6-12")	483466	11.63	503094	14.11	556600	15.50
480-18292-7	RB-01 (12-24")	483560	11.63	526960	14.12	573364	15.50
480-18292-8	RB-02 (0-6")	496833	11.63	533323	14.11	560708	15.50
480-18292-9	RB-02 (6-12")	474265	11.63	535438	14.12	551946	15.50
480-18292-10	RB-02 (12-24")	496104	11.63	551617	14.11	548889	15.50
480-18292-11	DUP-03	471571	11.63	528985	14.11	535488	15.50

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.: 480-18292-1

SDG No.:

Client Sample ID: RB-10 (6-12") | Lab Sample ID: 480-18292-1

Matrix: Solid | Lab File ID: V8866.D

Analysis Method: 8270C | Date Collected: 04/05/2012 15:20

Extract. Method: 3550B | Date Extracted: 04/10/2012 07:39

Sample wt/vol: +30.49(g) | Date Analyzed: 04/11/2012 23:05

Con. Extract Vol.: 1(mL) | Dilution Factor: 10

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

% Moisture: 8.1 | GPC Cleanup:(Y/N) N

Analysis Batch No.: 59155 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
95-95-4	2,4,5-Trichlorophenol	ND		1800	390
88-06-2	2,4,6-Trichlorophenol	ND		1800	120
120-83-2	2,4-Dichlorophenol	ND		1800	95
105-67-9	2,4-Dimethylphenol	ND		1800	490
51-28-5	2,4-Dinitrophenol	ND		3500	630
121-14-2	2,4-Dinitrotoluene	ND		1800	280
606-20-2	2,6-Dinitrotoluene	ND		1800	440
91-58-7	2-Chloronaphthalene	ND		1800	120
95-57-8	2-Chlorophenol	ND		1800	92
91-57-6	2-Methylnaphthalene	ND		1800	22
95-48-7	2-Methylphenol	ND		1800	56
88-74-4	2-Nitroaniline	ND		3500	580
88-75-5	2-Nitrophenol	ND		1800	83
91-94-1	3,3'-Dichlorobenzidine	ND		1800	1600
99-09-2	3-Nitroaniline	ND		3500	420
534-52-1	4,6-Dinitro-2-methylphenol	ND		3500	620
101-55-3	4-Bromophenyl phenyl ether	ND		1800	580
59-50-7	4-Chloro-3-methylphenol	ND		1800	74
106-47-8	4-Chloroaniline	ND		1800	530
7005-72-3	4-Chlorophenyl phenyl ether	ND		1800	39
106-44-5	4-Methylphenol	ND		3500	100
100-01-6	4-Nitroaniline	ND		3500	200
100-02-7	4-Nitrophenol	ND		3500	440
83-32-9	Acenaphthene	ND		1800	21
208-96-8	Acenaphthylene	ND		1800	15
98-86-2	Acetophenone	ND		1800	93
120-12-7	Anthracene	ND		1800	46
1912-24-9	Atrazine	ND		1800	80
100-52-7	Benzaldehyde	ND		1800	200
56-55-3	Benzo(a)anthracene	2400		1800	31
50-32-8	Benzo(a)pyrene	2100		1800	44
205-99-2	Benzo(b)fluoranthene	6400		1800	35
191-24-2	Benzo(g,h,i)perylene	4300		1800	22
207-08-9	Benzo(k)fluoranthene	2500		1800	20

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Buffalo | Job No.: 480-18292-1

SDG No.:

Client Sample ID: RB-10 (6-12") | Lab Sample ID: 480-18292-1

Matrix: Solid | Lab File ID: V8866.D

Analysis Method: 8270C | Date Collected: 04/05/2012 15:20

Extract. Method: 3550B | Date Extracted: 04/10/2012 07:39

Sample wt/vol: +30.49(g) | Date Analyzed: 04/11/2012 23:05

Con. Extract Vol.: 1(mL) | Dilution Factor: 10

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

% Moisture: 8.1 | GPC Cleanup:(Y/N) N

Analysis Batch No.: 59155 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
92-52-4	Biphenyl	ND		1800	110
108-60-1	bis (2-chloroisopropyl) ether	ND		1800	190
111-91-1	Bis(2-chloroethoxy)methane	ND		1800	98
111-44-4	Bis(2-chloroethyl)ether	ND		1800	160
117-81-7	Bis(2-ethylhexyl) phthalate	ND		1800	580
85-68-7	Butyl benzyl phthalate	ND		1800	490
105-60-2	Caprolactam	ND		1800	780
86-74-8	Carbazole	ND		1800	21
218-01-9	Chrysene	4000		1800	18
53-70-3	Dibenz(a,h)anthracene	2000		1800	21
132-64-9	Dibenzofuran	ND		1800	19
84-66-2	Diethyl phthalate	ND		1800	55
131-11-3	Dimethyl phthalate	ND		1800	47
84-74-2	Di-n-butyl phthalate	ND		1800	620
117-84-0	Di-n-octyl phthalate	ND		1800	42
206-44-0	Fluoranthene	4600		1800	26
86-73-7	Fluorene	ND		1800	42
118-74-1	Hexachlorobenzene	ND		1800	90
87-68-3	Hexachlorobutadiene	ND		1800	92
77-47-4	Hexachlorocyclopentadiene	ND		1800	550
67-72-1	Hexachloroethane	ND		1800	140
193-39-5	Indeno(1,2,3-cd)pyrene	3200		1800	50
78-59-1	Isophorone	ND		1800	90
91-20-3	Naphthalene	ND		1800	30
98-95-3	Nitrobenzene	ND		1800	80
621-64-7	N-Nitrosodi-n-propylamine	ND		1800	140
86-30-6	N-Nitrosodiphenylamine	ND		1800	99
87-86-5	Pentachlorophenol	ND		3500	620
85-01-8	Phenanthrene	1900		1800	38
108-95-2	Phenol	ND		1800	190
129-00-0	Pyrene	2800		1800	12

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Buffalo | Job No.: 480-18292-1

SDG No.:

Client Sample ID: RB-10 (6-12") | Lab Sample ID: 480-18292-1

Matrix: Solid | Lab File ID: V8866.D

Analysis Method: 8270C | Date Collected: 04/05/2012 15:20

Extract. Method: 3550B | Date Extracted: 04/10/2012 07:39

Sample wt/vol: +30.49(g) | Date Analyzed: 04/11/2012 23:05

Con. Extract Vol.: 1(mL) | Dilution Factor: 10

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

% Moisture: 8.1 | GPC Cleanup:(Y/N) N

Analysis Batch No.: 59155 | Units: ug/Kg

CAS NO.	SURROGATE	%REC	Q	LIMITS
118-79-6	2,4,6-Tribromophenol	73		39-146
321-60-8	2-Fluorobiphenyl	81		37-120
367-12-4	2-Fluorophenol	70		18-120
4165-60-0	Nitrobenzene-d5	75		34-132
4165-62-2	Phenol-d5	66		11-120
1718-51-0	p-Terphenyl-d14	99		65-153

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

Lab Name: TestAmerica Buffalo | Job No.: 480-18292-1

SDG No.:

Client Sample ID: RB-10 (6-12") | Lab Sample ID: 480-18292-1

Matrix: Solid | Lab File ID: V8866.D

Analysis Method: 8270C | Date Collected: 04/05/2012 15:20

Extract. Method: 3550B | Date Extracted: 04/10/2012 07:39

Sample wt/vol: +30.49(g) | Date Analyzed: 04/11/2012 23:05

Con. Extract Vol.: 1(mL) | Dilution Factor: 10

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

% Moisture: 8.1 | GPC Cleanup:(Y/N) N

Analysis Batch No.: 59155 | Units: ug/Kg

Number TICs Found: 1 | TIC Result Total: 3900

CAS NO.	COMPOUND NAME	RT	RESULT	Q
198-55-0	Perylene	15.38	3900	T J N

TestAmerica Laboratories
Target Compound Quantitation Report

Data File:	\\Bufchrom\ChromData\HP5973V\20120411-10911.b\V8866.D		
Lims ID:	480-18292-C-1-B	Client ID:	RB-10 (6-12")
Inject. Date:	11-Apr-2012 23:05:30	Dil. Factor:	10.0000
Sample Type:	Client		
Sample ID:	480-0010911-008		
Misc. Info.:	480-18292-C-1-B		
Operator:	HL	Instrument ID:	HP5973V
Vol. Injected:	1.0000	ALS Bottle#:	31
Lims Batch ID:	59155	Lims Sample ID:	8
Detector:	MS SCAN		
Method:	\\Bufchrom\ChromData\HP5973V\20120411-10911.b\V-8270.m		
Last Update:	12-Apr-2012 10:35:29	Calib Date:	09-Apr-2012 16:15:30
Quant Method:	Internal Standard	Quant By:	Initial Calibration
Last ICal File:	\\Bufchrom\ChromData\HP5973V\20120409-10827.b\V8763.D		
Limit Group:	MB - 8270C ICAL		
Integrator:	RTE	ID Type:	Deconvolution ID
Process Host:	CORP-CTX-19		
First Level Reviewer: lyh		Date:	12-Apr-2012 10:35:29

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ng/uL	Flags
* 1 1,4-Dichlorobenzene-d4	152	6.010	6.005	0.005	96	109593	40.0	
* 2 Naphthalene-d8	136	7.666	7.661	0.005	99	413279	40.0	
* 3 Acenaphthene-d10	164	9.926	9.926	0.0	90	259524	40.0	
* 4 Phenanthrene-d10	188	11.625	11.625	0.0	96	419277	40.0	
* 5 Chrysene-d12	240	14.114	14.120	-0.006	97	394590	40.0	
* 6 Perylene-d12	264	15.498	15.498	0.0	95	419730	40.0	
$ 9 2-Fluorophenol	112	4.317	4.317	0.0	69	39391	10.5	
$ 10 Phenol-d5	99	5.535	5.535	0.0	75	49838	9.96	
$ 11 Nitrobenzene-d5	82	6.742	6.737	0.005	76	32918	7.50	
$ 12 2-Fluorobiphenyl	172	9.071	9.066	0.005	92	66126	8.10	
$ 13 2,4,6-Tribromophenol	330	10.893	10.877	0.016	45	9253	11.0	
$ 14 p-Terphenyl-d14	244	13.169	13.169	0.0	92	84685	9.89	
88 Benzaldehyde	77		5.444					
89 Phenol	94		5.551					
91 Bis(2-chloroethyl)ether	93		5.668					
93 2-Chlorophenol	128		5.732					
98 2-Methylphenol	108		6.341					
99 2,2'-oxybis[1-chloropropane]	45		6.368					
104 Acetophenone	105		6.539					
101 N-Nitrosodi-n-propylamine	70		6.544					
102 4-Methylphenol	108		6.550					
106 Hexachloroethane	117		6.662					
107 Nitrobenzene	77		6.758					
110 Isophorone	82		7.073					
111 2-Nitrophenol	139		7.175					
112 2,4-Dimethylphenol	107		7.244					
115 Bis(2-chloroethoxy)methane	93		7.362					
117 2,4-Dichlorophenol	162		7.490					
121 Naphthalene	128		7.693					
123 4-Chloroaniline	127		7.778					
126 Hexachlorobutadiene	225		7.853					

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ng/uL	Flags
127 Caprolactam	113		8.222					
131 4-Chloro-3-methylphenol	107		8.414					
133 2-Methylnaphthalene	142		8.590					
136 Hexachlorocyclopentadiene	237		8.788					
139 2,4,6-Trichlorophenol	196		8.959					
140 2,4,5-Trichlorophenol	196		9.012					
144 1,1'-Biphenyl	154		9.194					
143 2-Chloronaphthalene	162		9.215					
145 2-Nitroaniline	65		9.370					
147 Dimethyl phthalate	163		9.605					
148 2,6-Dinitrotoluene	165		9.686					
149 Acenaphthylene	152		9.750					
150 3-Nitroaniline	138		9.910					
151 Acenaphthene	153		9.969					
152 2,4-Dinitrophenol	184		10.044					
153 4-Nitrophenol	109		10.150					
155 Dibenzofuran	168		10.182					
154 2,4-Dinitrotoluene	165		10.193					
160 Diethyl phthalate	149		10.482					
161 Fluorene	166		10.594					
162 4-Chlorophenyl phenyl ether	204		10.599					
164 4-Nitroaniline	138		10.653					
166 4,6-Dinitro-2-methylphenol	198		10.679					
167 N-Nitrosodiphenylamine	169		10.743					
176 4-Bromophenyl phenyl ether	248		11.149					
177 Hexachlorobenzene	284		11.213					
180 Atrazine	200		11.347					
181 Pentachlorophenol	266		11.433					
185 Phenanthrene	178	11.652	11.652	0.0	63	60686	5.37	
188 Anthracene	178		11.705					
189 Carbazole	167		11.881					
192 Di-n-butyl phthalate	149		12.218					
197 Fluoranthene	202	12.821	12.827	-0.006	95	159501	12.9	
199 Pyrene	202	13.035	13.041	-0.006	98	92529	7.98	
205 Butyl benzyl phthalate	149		13.596					
210 Bis(2-ethylhexyl) phthalate	149		14.077					
208 3,3'-Dichlorobenzidine	252		14.082					
209 Benzo[a]anthracene	228	14.109	14.109	0.0	84	74042	6.74	
211 Chrysene	228	14.141	14.146	-0.005	91	125251	11.2	
212 Di-n-octyl phthalate	149		14.643					
213 Benzo[b]fluoranthene	252	15.103	15.103	0.0	90	214723	17.9	M
214 Benzo[k]fluoranthene	252	15.113	15.135	-0.022	96	95466	6.95	M
217 Benzo[a]pyrene	252	15.434	15.439	-0.005	47	61335	5.86	
219 Indeno[1,2,3-cd]pyrene	276	16.748	16.759	-0.011	93	100811	8.98	
220 Dibenz(a,h)anthracene	278	16.743	16.764	-0.021	23	28593	5.56	
221 Benzo[g,h,i]perylene	276	17.106	17.122	-0.016	85	111583	12.0	

QC Flag Legend

Review Flags
M - Manually Integrated

TestAmerica Laboratories
Tentatively Identified Quantitation Report

Data File:	\\Bufchrom\ChromData\HP5973V\20120411-10911.b\V8866.D		
Lims ID:	480-18292-C-1-B	Client ID:	RB-10 (6-12")
Inject. Date:	11-Apr-2012 23:05:30	Dil. Factor:	10.0000
Sample Type:	Client		
Sample ID:	480-0010911-008		
Misc. Info.:	480-18292-C-1-B		
Operator:	HL	Instrument ID:	HP5973V
Vol. Injected:	1.0000	ALS Bottle#:	31
Lims Batch ID:	59155	Lims Sample ID:	8
Detector:	MS SCAN		
Method:	\\Bufchrom\ChromData\HP5973V\20120411-10911.b\V-8270.m		
Last Update:	12-Apr-2012 10:35:29	Calib Date:	09-Apr-2012 16:15:30
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: lyh		Date:	12-Apr-2012 10:35:29

Calibrated Tentative Identified Compound Results

Compound	RT	Response	Amount ng/uL	Flags
4-Chloropyridine	4.338	2842		MM

Tentative Identified Compound Results

RT	Response	Amount ng/uL	Quant Cpnd	Qual	Lib Entry	Flags
198-55-0 Perylene						
15.380	325732	10.8	6	94	93362	

Quantitation Compounds

Compound	RT	Response	Amount ng/uL
* 6 Perylene-d12	15.498	1202131	40.0

QC Flag Legend

Processing Flags

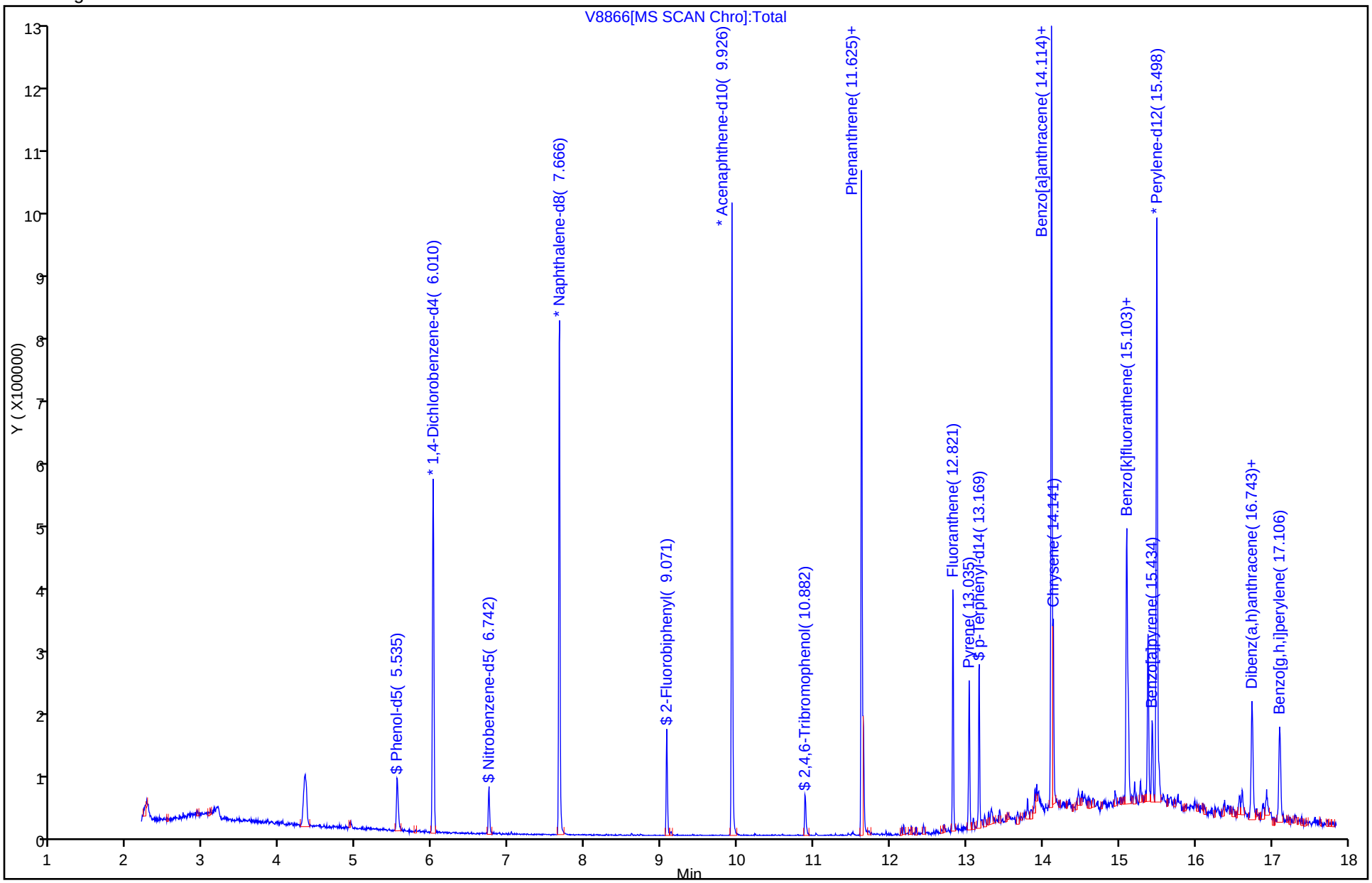
Review Flags
M - Manually Integrated

Report Date: 12-Apr-2012 10:35:29 Chrom Revision: 2.0 20-Feb-2012 13:27:02

Data File: \\Bufchrom\ChromData\HP5973V\20120411-10911.b\V8866.D

Injection Date:	11-Apr-2012 23:05:30	Limit Group:	MB - 8270C ICAL
Client ID:	RB-10 (6-12")	Instrument ID:	HP5973V
Lims Batch ID:	59155	Lims Sample ID:	8
Operator ID:	HL	Injection Vol:	1.00 ul
Column Type:	RXI-5Sil MS	Column Dia:	0.25 mm

Y Scaling:

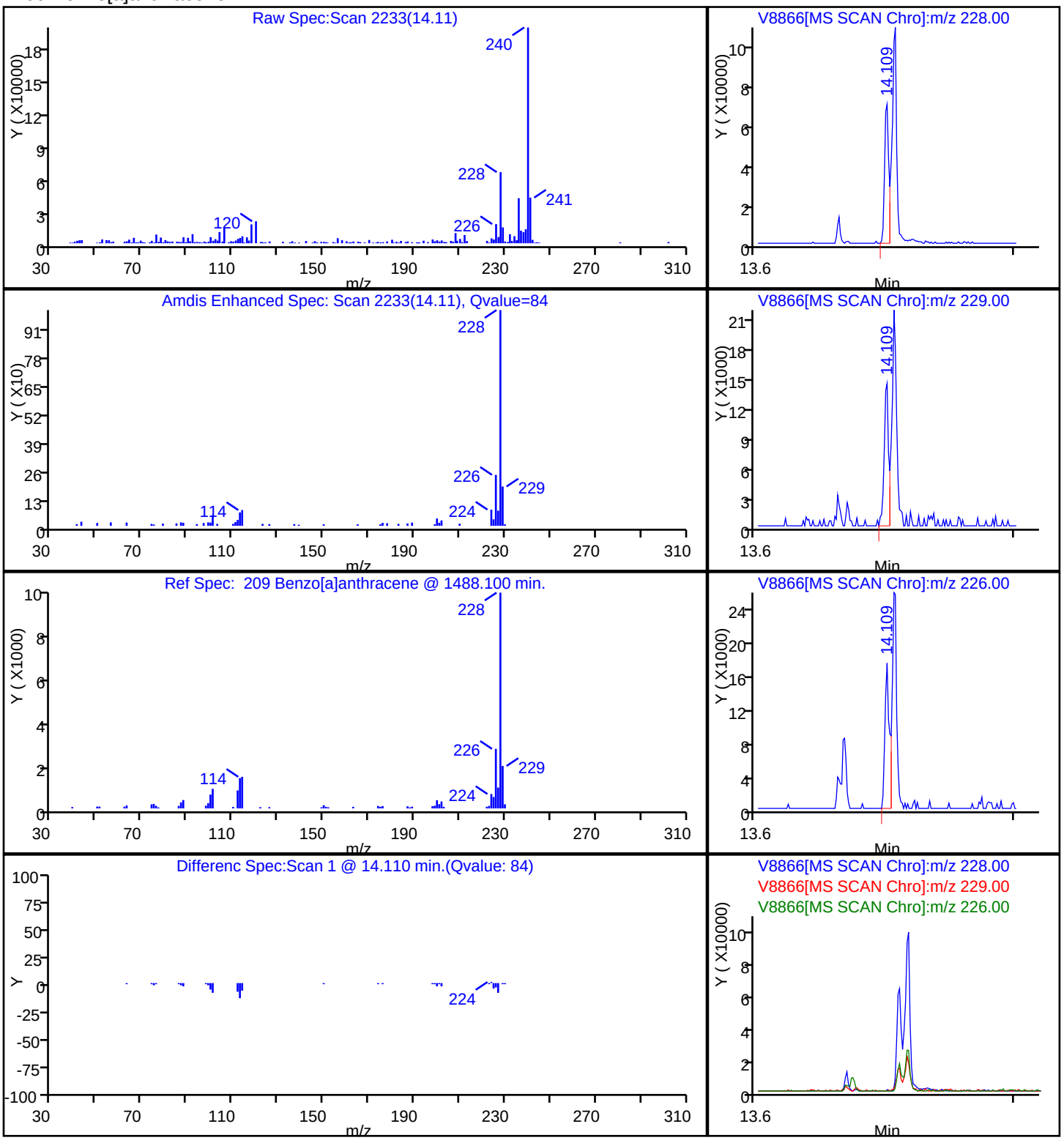


Report Date: 12-Apr-2012 10:35:29 Chrom Revision: 2.0 20-Feb-2012 13:27:02

Data File: \\Bufchrom\ChromData\HP5973V\20120411-10911.b\V8866.D

Injection Date:	11-Apr-2012 23:05:30	Limit Group:	MB - 8270C ICAL
Client ID:	RB-10 (6-12")	Instrument ID:	HP5973V
Lims Batch ID:	59155	Lims Sample ID:	8
Operator ID:	HL	Injection Vol:	1.00 ul
Column Type:	RXI-5Sil MS	Column Dia:	0.25 mm

209 Benzo[a]anthracene

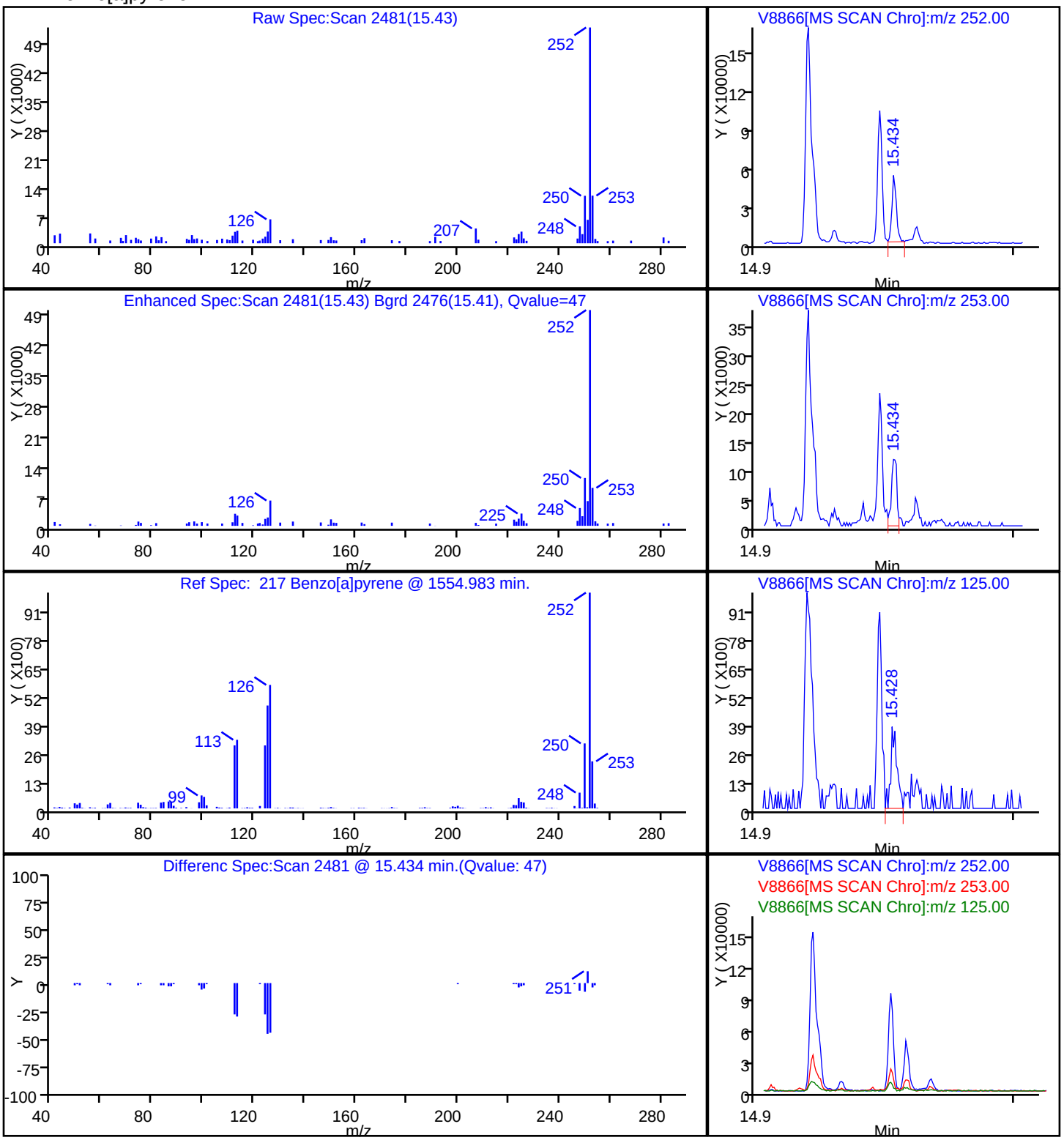


Report Date: 12-Apr-2012 10:35:29 Chrom Revision: 2.0 20-Feb-2012 13:27:02

Data File: \\Bufchrom\ChromData\HP5973V\20120411-10911.b\V8866.D

Injection Date:	11-Apr-2012 23:05:30	Limit Group:	MB - 8270C ICAL
Client ID:	RB-10 (6-12")	Instrument ID:	HP5973V
Lims Batch ID:	59155	Lims Sample ID:	8
Operator ID:	HL	Injection Vol:	1.00 ul
Column Type:	RXI-5Sil MS	Column Dia:	0.25 mm

217 Benzo[a]pyrene

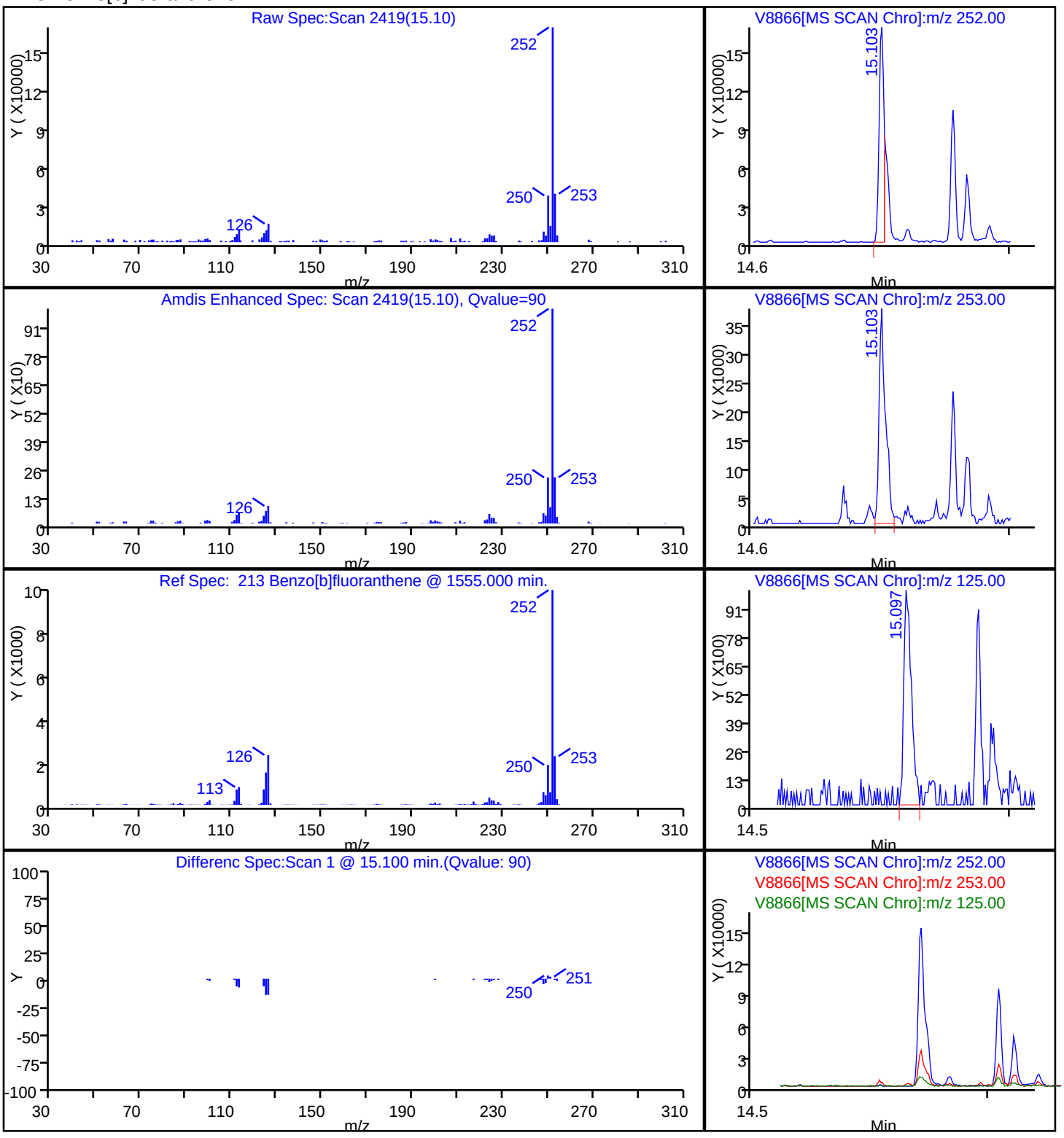


Report Date: 12-Apr-2012 10:35:29 Chrom Revision: 2.0 20-Feb-2012 13:27:02

Data File: \\Bufchrom\ChromData\HP5973V\20120411-10911.b\V8866.D

Injection Date:	11-Apr-2012 23:05:30	Limit Group:	MB - 8270C ICAL
Client ID:	RB-10 (6-12")	Instrument ID:	HP5973V
Lims Batch ID:	59155	Lims Sample ID:	8
Operator ID:	HL	Injection Vol:	1.00 ul
Column Type:	RXI-5Sil MS	Column Dia:	0.25 mm

213 Benzo[b]fluoranthene

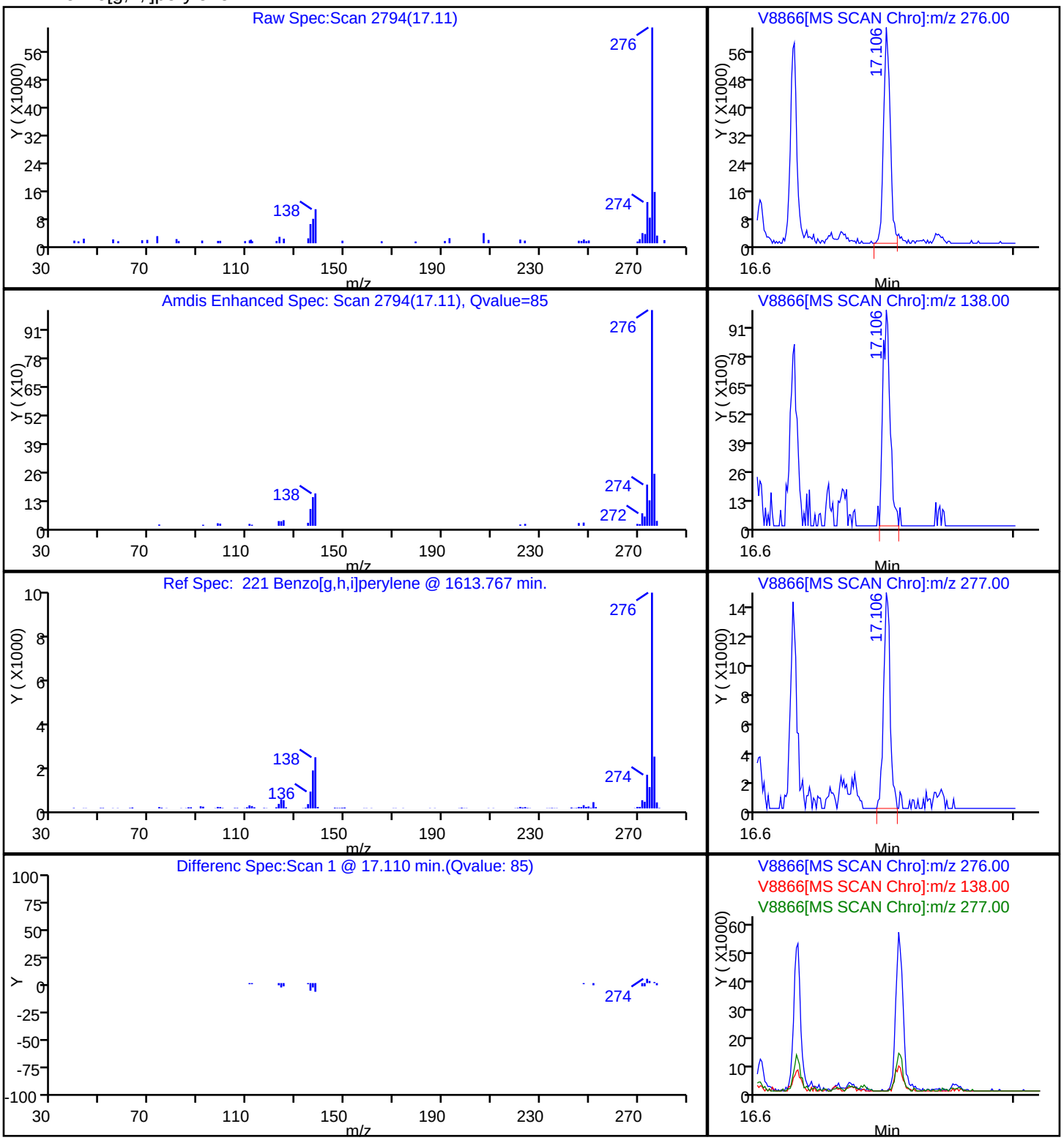


Report Date: 12-Apr-2012 10:35:29 Chrom Revision: 2.0 20-Feb-2012 13:27:02

Data File: \\Bufchrom\ChromData\HP5973V\20120411-10911.b\V8866.D

Injection Date:	11-Apr-2012 23:05:30	Limit Group:	MB - 8270C ICAL
Client ID:	RB-10 (6-12")	Instrument ID:	HP5973V
Lims Batch ID:	59155	Lims Sample ID:	8
Operator ID:	HL	Injection Vol:	1.00 ul
Column Type:	RXI-5Sil MS	Column Dia:	0.25 mm

221 Benzo[g,h,i]perylene

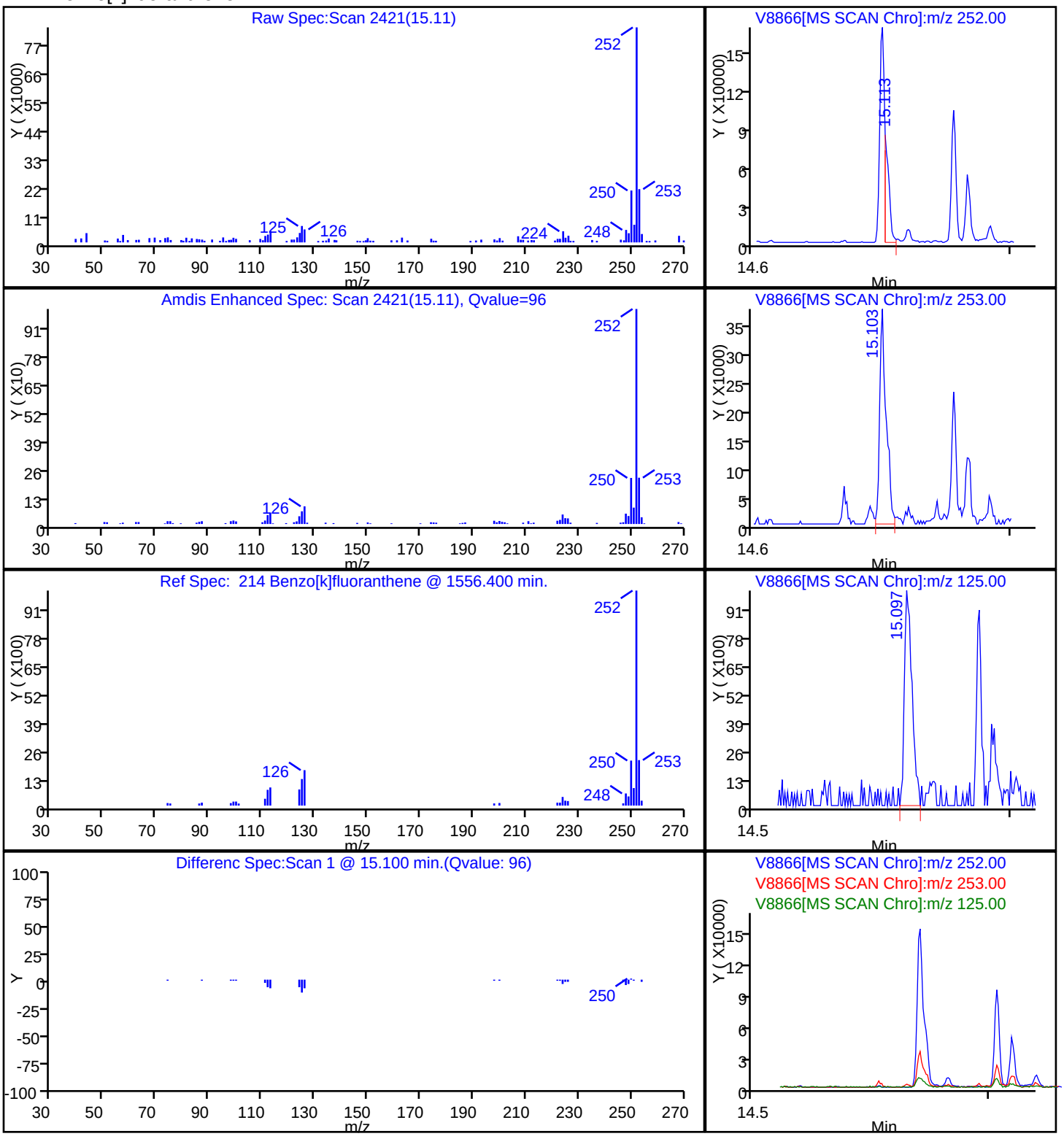


Report Date: 12-Apr-2012 10:35:29 Chrom Revision: 2.0 20-Feb-2012 13:27:02

Data File: \\Bufchrom\ChromData\HP5973V\20120411-10911.b\V8866.D

Injection Date:	11-Apr-2012 23:05:30	Limit Group:	MB - 8270C ICAL
Client ID:	RB-10 (6-12")	Instrument ID:	HP5973V
Lims Batch ID:	59155	Lims Sample ID:	8
Operator ID:	HL	Injection Vol:	1.00 ul
Column Type:	RXI-5Sil MS	Column Dia:	0.25 mm

214 Benzo[k]fluoranthene

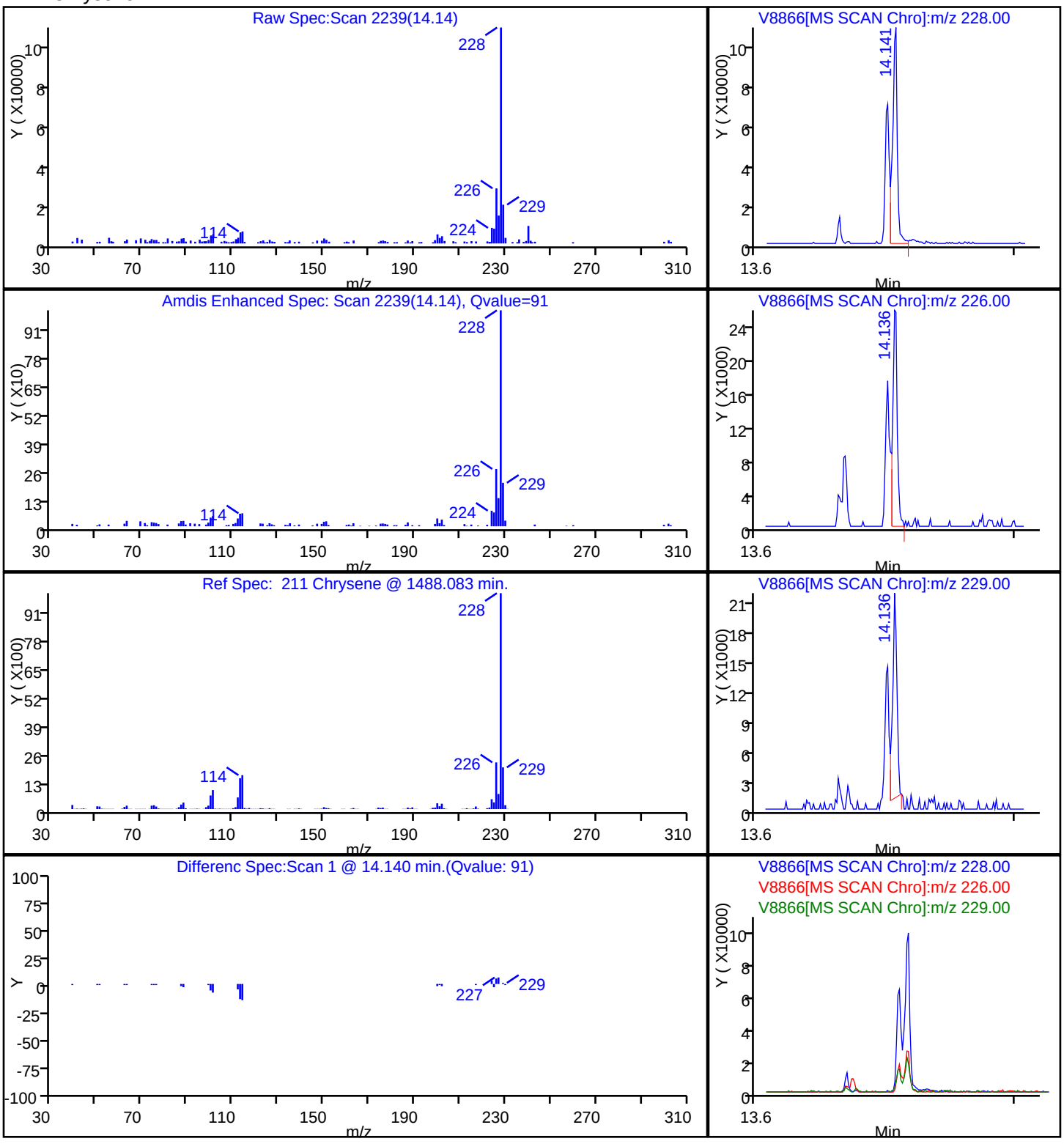


Report Date: 12-Apr-2012 10:35:29 Chrom Revision: 2.0 20-Feb-2012 13:27:02

Data File: \\Bufchrom\ChromData\HP5973V\20120411-10911.b\V8866.D

Injection Date:	11-Apr-2012 23:05:30	Limit Group:	MB - 8270C ICAL
Client ID:	RB-10 (6-12")	Instrument ID:	HP5973V
Lims Batch ID:	59155	Lims Sample ID:	8
Operator ID:	HL	Injection Vol:	1.00 ul
Column Type:	RXI-5Sil MS	Column Dia:	0.25 mm

211 Chrysene

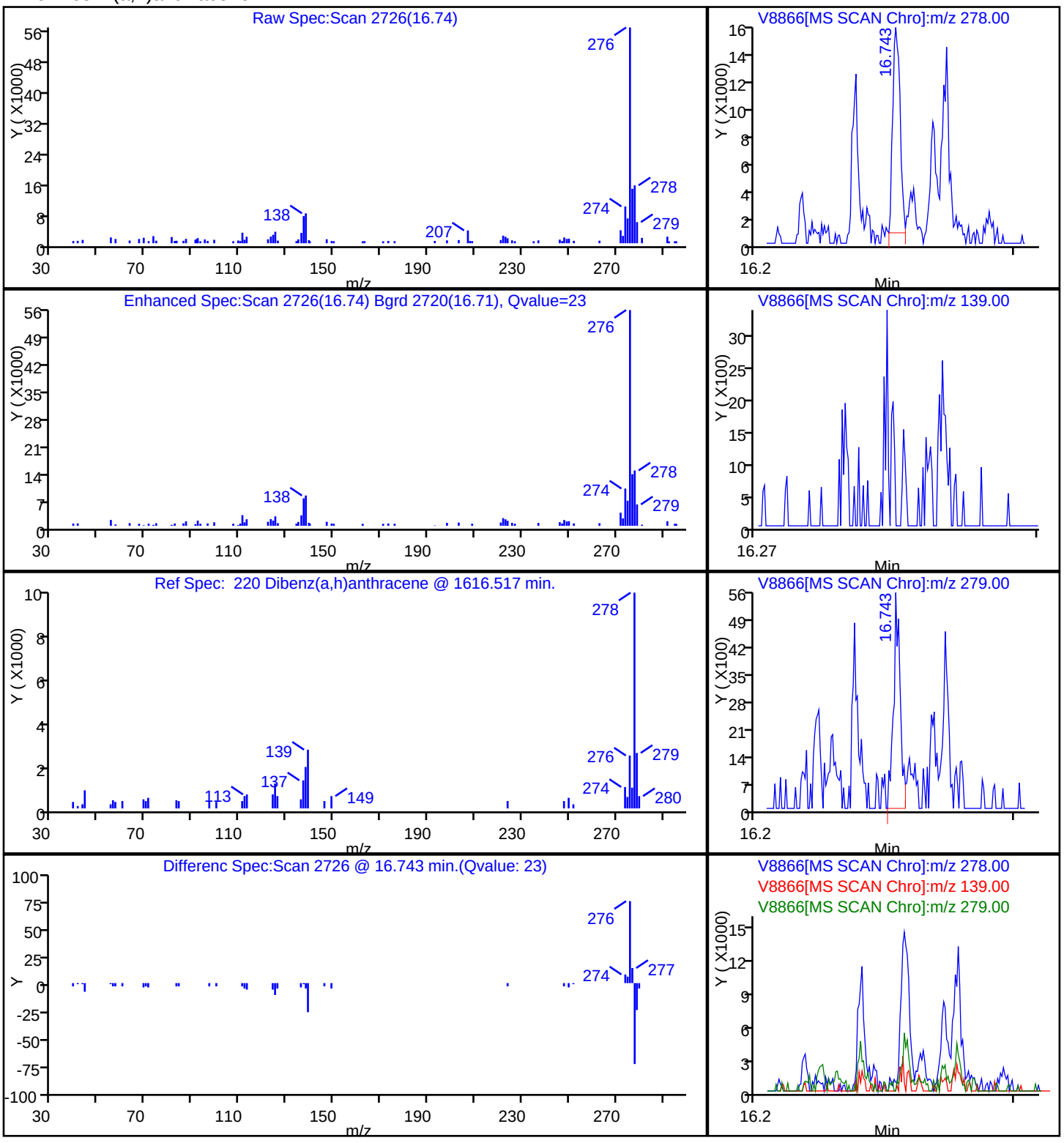


Report Date: 12-Apr-2012 10:35:29 Chrom Revision: 2.0 20-Feb-2012 13:27:02

Data File: \\Bufchrom\ChromData\HP5973V\20120411-10911.b\V8866.D

Injection Date:	11-Apr-2012 23:05:30	Limit Group:	MB - 8270C ICAL
Client ID:	RB-10 (6-12")	Instrument ID:	HP5973V
Lims Batch ID:	59155	Lims Sample ID:	8
Operator ID:	HL	Injection Vol:	1.00 ul
Column Type:	RXI-5Sil MS	Column Dia:	0.25 mm

220 Dibenz(a,h)anthracene

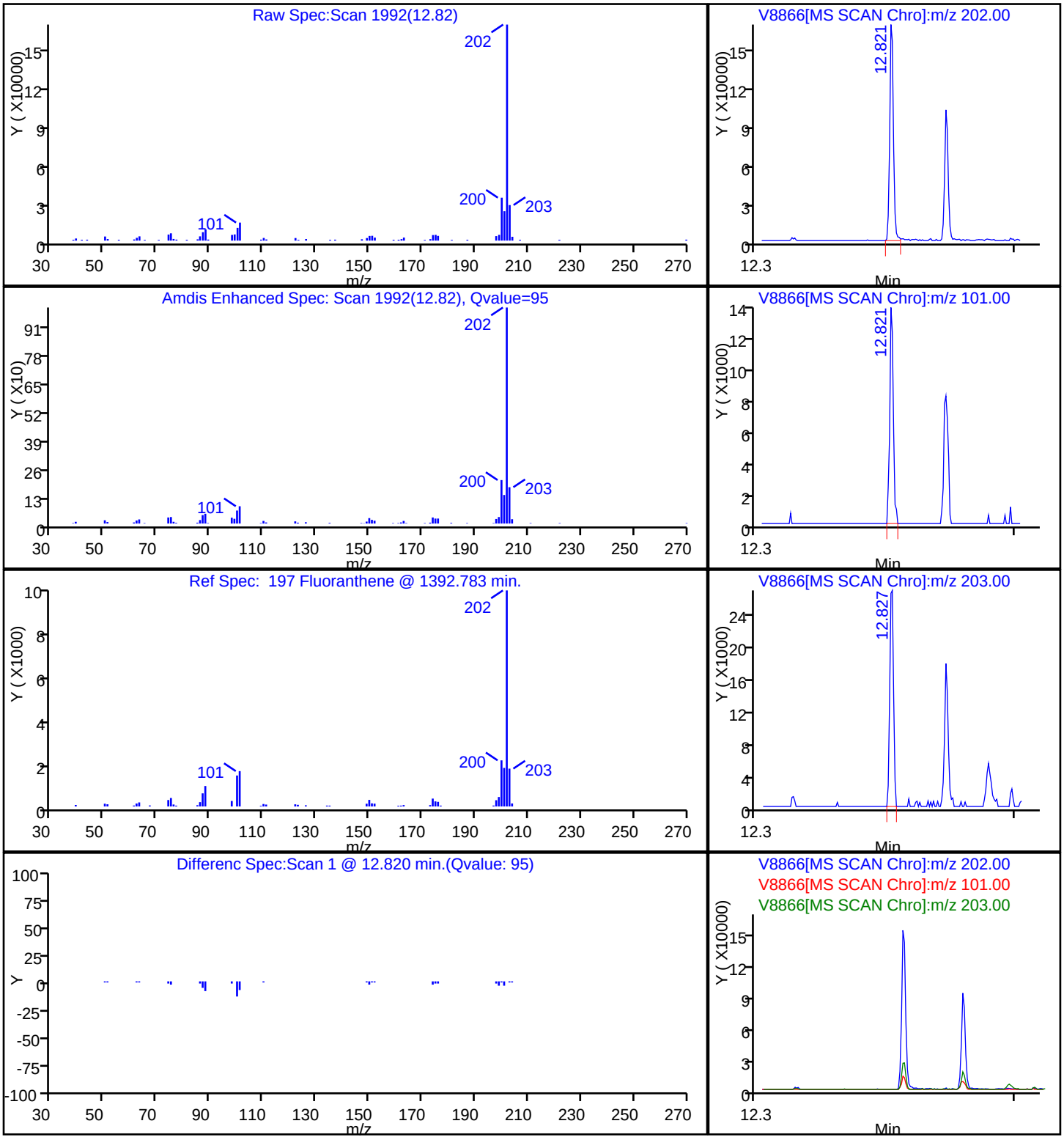


Report Date: 12-Apr-2012 10:35:29 Chrom Revision: 2.0 20-Feb-2012 13:27:02

Data File: \\Bufchrom\ChromData\HP5973V\20120411-10911.b\V8866.D

Injection Date:	11-Apr-2012 23:05:30	Limit Group:	MB - 8270C ICAL
Client ID:	RB-10 (6-12")	Instrument ID:	HP5973V
Lims Batch ID:	59155	Lims Sample ID:	8
Operator ID:	HL	Injection Vol:	1.00 ul
Column Type:	RXI-5Sil MS	Column Dia:	0.25 mm

197 Fluoranthene

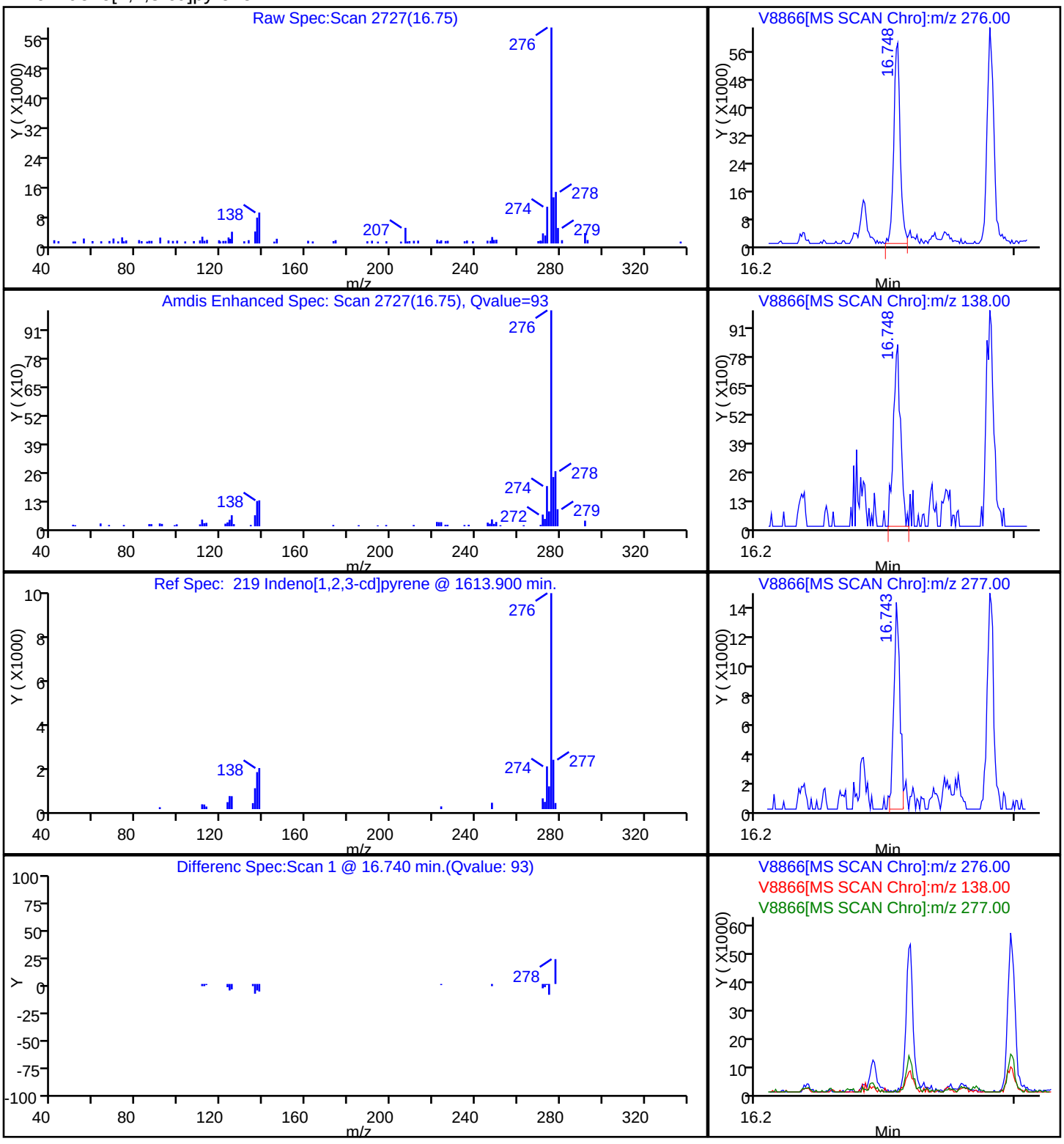


Report Date: 12-Apr-2012 10:35:29 Chrom Revision: 2.0 20-Feb-2012 13:27:02

Data File: \\Bufchrom\ChromData\HP5973V\20120411-10911.b\V8866.D

Injection Date:	11-Apr-2012 23:05:30	Limit Group:	MB - 8270C ICAL
Client ID:	RB-10 (6-12")	Instrument ID:	HP5973V
Lims Batch ID:	59155	Lims Sample ID:	8
Operator ID:	HL	Injection Vol:	1.00 ul
Column Type:	RXI-5Sil MS	Column Dia:	0.25 mm

219 Indeno[1,2,3-cd]pyrene

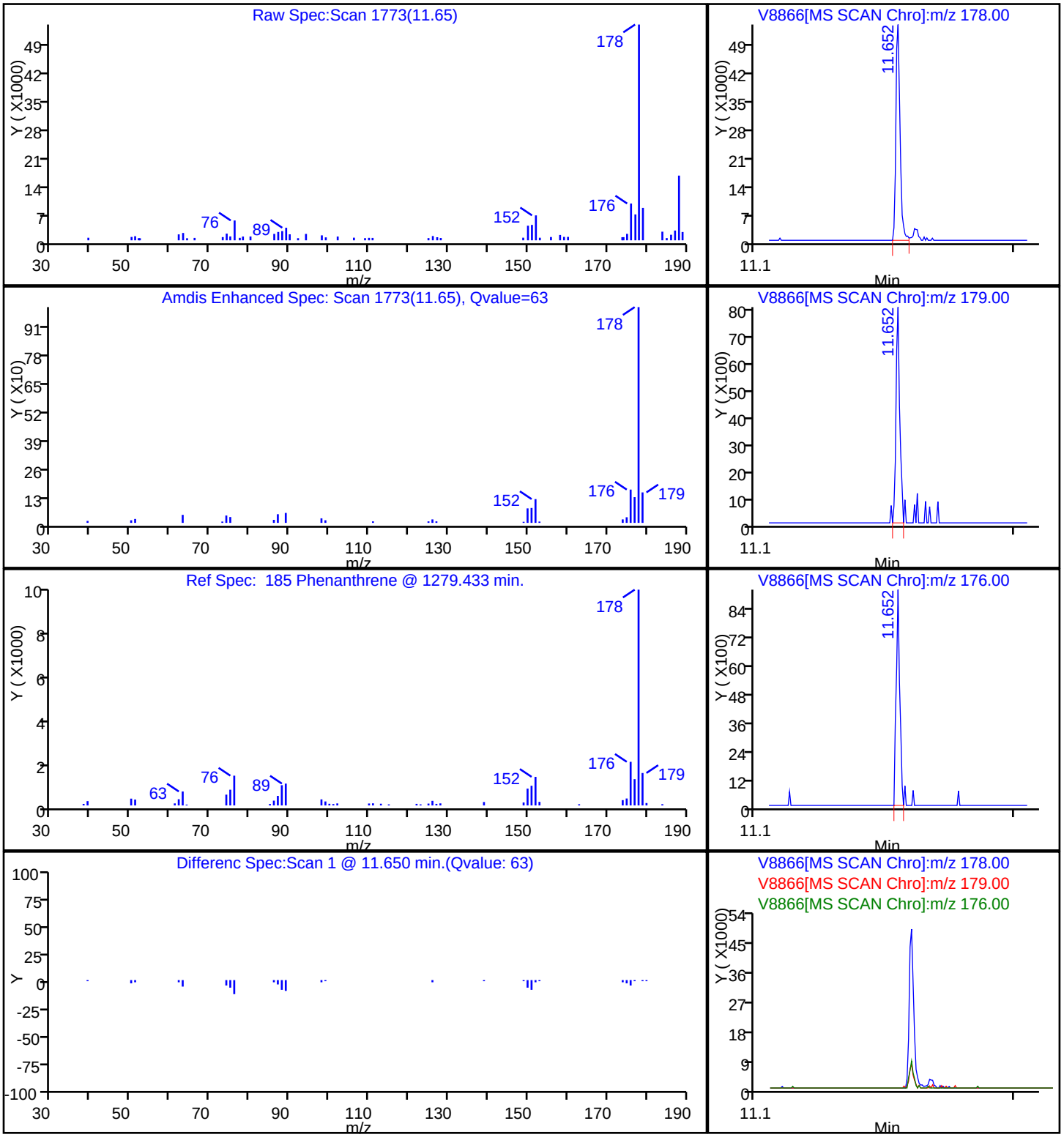


Report Date: 12-Apr-2012 10:35:29 Chrom Revision: 2.0 20-Feb-2012 13:27:02

Data File: \\Bufchrom\ChromData\HP5973V\20120411-10911.b\V8866.D

Injection Date:	11-Apr-2012 23:05:30	Limit Group:	MB - 8270C ICAL
Client ID:	RB-10 (6-12")	Instrument ID:	HP5973V
Lims Batch ID:	59155	Lims Sample ID:	8
Operator ID:	HL	Injection Vol:	1.00 ul
Column Type:	RXI-5Sil MS	Column Dia:	0.25 mm

185 Phenanthrene

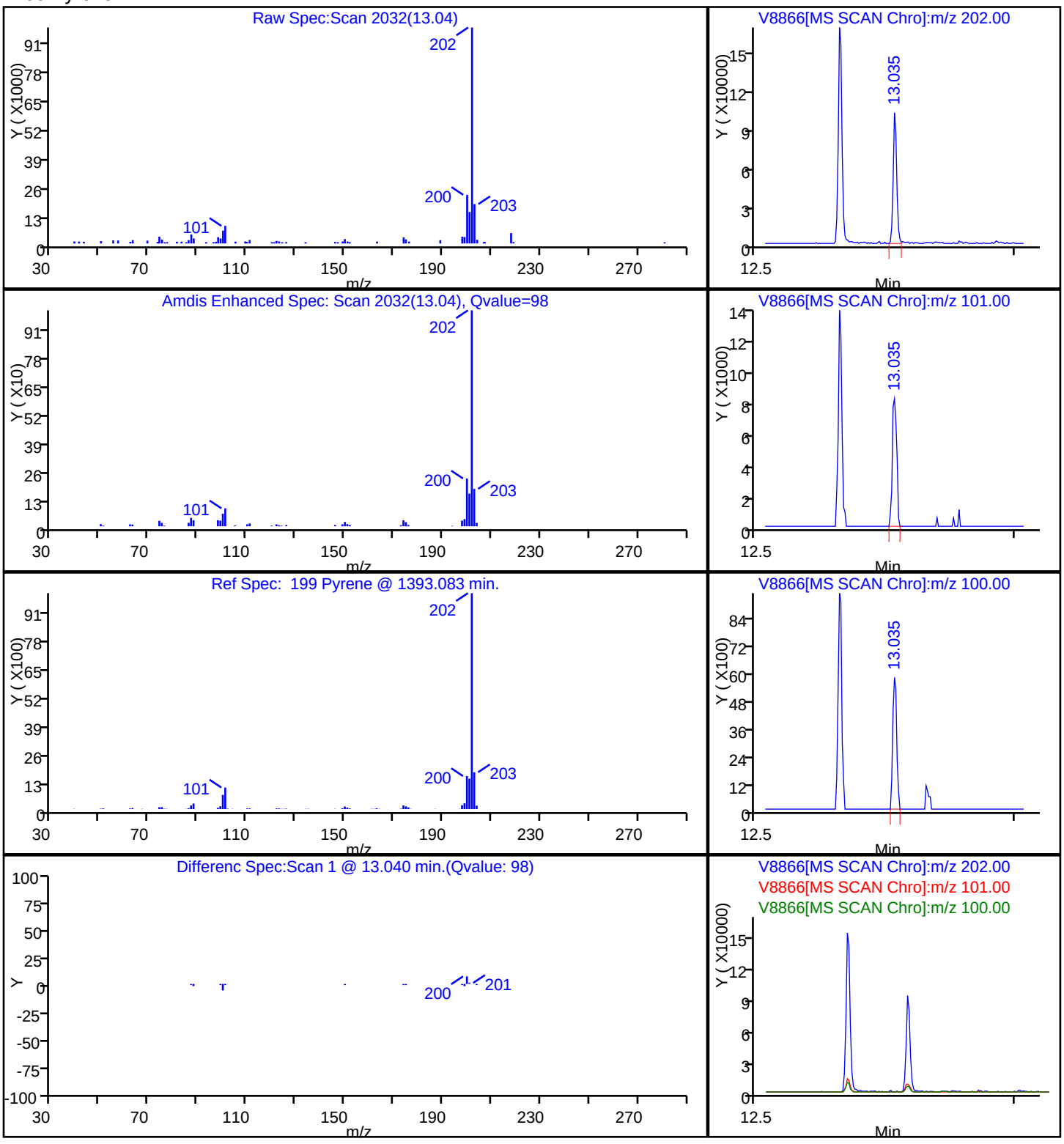


Report Date: 12-Apr-2012 10:35:29 Chrom Revision: 2.0 20-Feb-2012 13:27:02

Data File: \\Bufchrom\ChromData\HP5973V\20120411-10911.b\V8866.D

Injection Date:	11-Apr-2012 23:05:30	Limit Group:	MB - 8270C ICAL
Client ID:	RB-10 (6-12")	Instrument ID:	HP5973V
Lims Batch ID:	59155	Lims Sample ID:	8
Operator ID:	HL	Injection Vol:	1.00 ul
Column Type:	RXI-5Sil MS	Column Dia:	0.25 mm

199 Pyrene



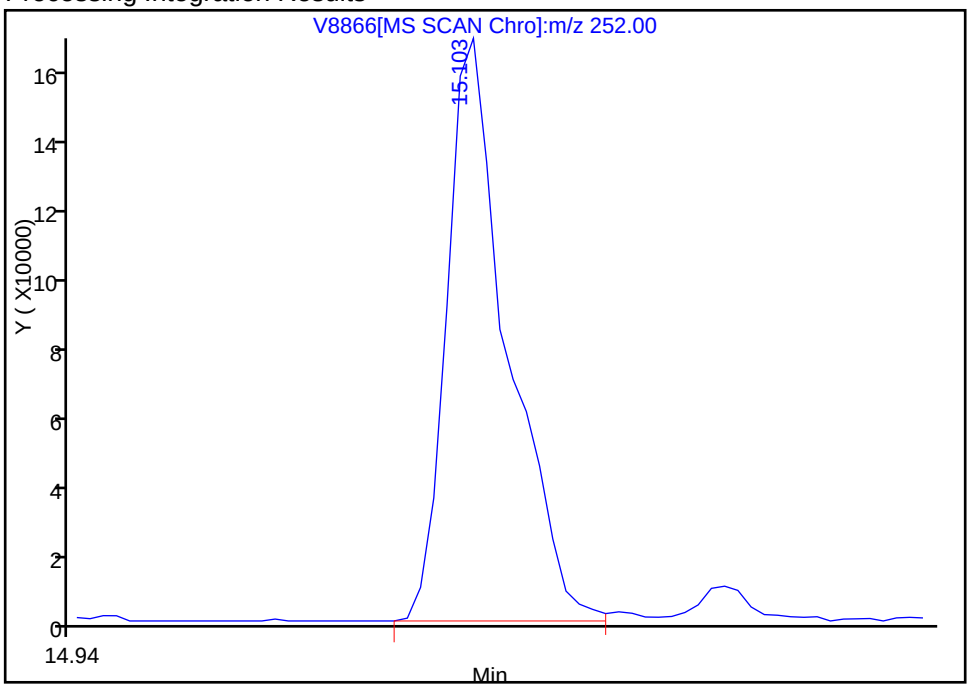
Manual Integration/User Assign Peak Report

Data File:	\\Bufchrom\ChromData\HP5973V\20120411-10911.b\V8866.D		
Injection Date:	11-Apr-2012 23:05:30	Limit Group:	MB - 8270C ICAL
Client ID:	RB-10 (6-12")	Instrument ID:	HP5973V
Lims Batch ID:	59155	Lims Sample ID:	8
Operator ID:	HL	Injection Vol:	1.00 ul
Column Type:	RXI-5Sil MS	Column Dia:	0.25 mm

213 Benzo[b]fluoranthene, Signal: 1, m/z: 252.0 Type: quant, RT: 15.10

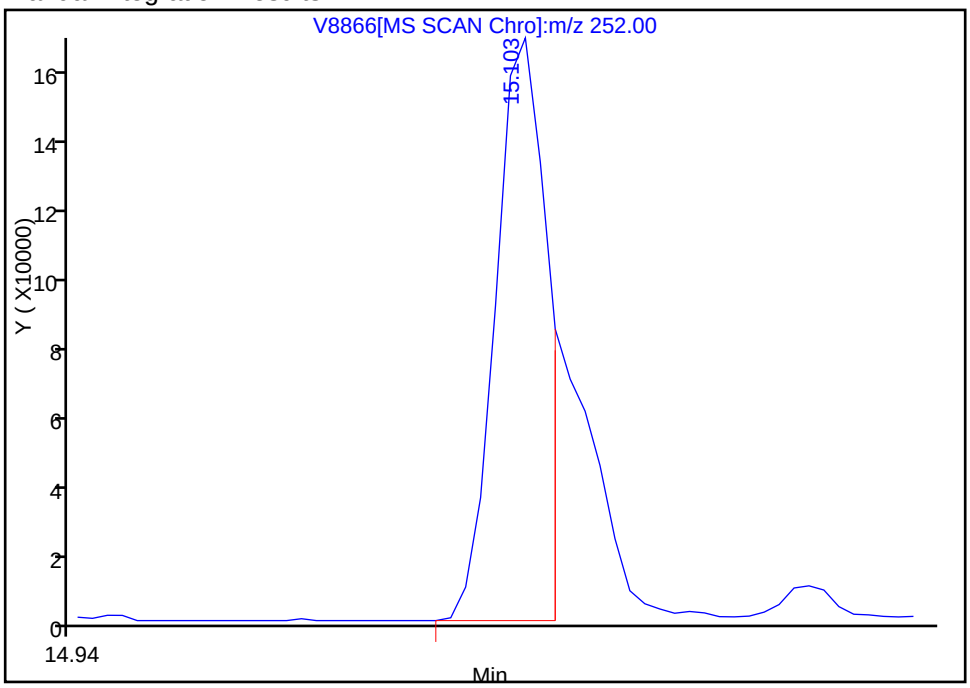
Processing Integration Results

RT: 15.10
Response: 283587
Amount: 23.676616



Manual Integration Results

RT: 15.10
Response: 214723
Amount: 17.927176



Reviewer: lyh, 12-Apr-2012 10:35:29
Audit Action: Split an Integrated Peak
Audit Reason: Coelution

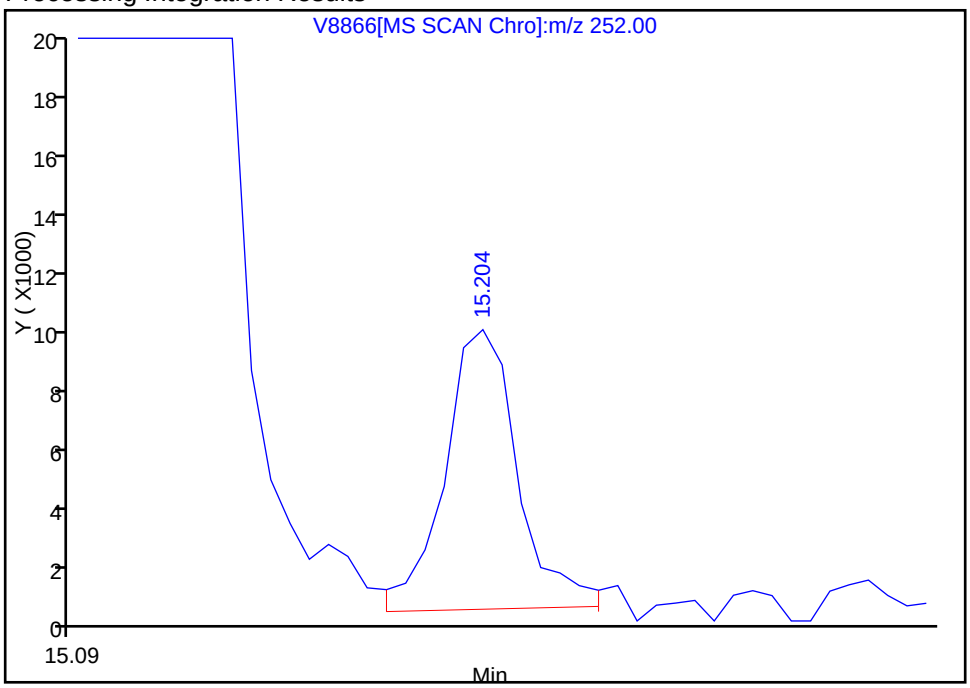
Manual Integration/User Assign Peak Report

Data File:	\\Bufchrom\ChromData\HP5973V\20120411-10911.b\V8866.D		
Injection Date:	11-Apr-2012 23:05:30	Limit Group:	MB - 8270C ICAL
Client ID:	RB-10 (6-12")	Instrument ID:	HP5973V
Lims Batch ID:	59155	Lims Sample ID:	8
Operator ID:	HL	Injection Vol:	1.00 ul
Column Type:	RXI-5Sil MS	Column Dia:	0.25 mm

214 Benzo[k]fluoranthene, Signal: 1, m/z: 252.0 Type: quant, RT: 15.13

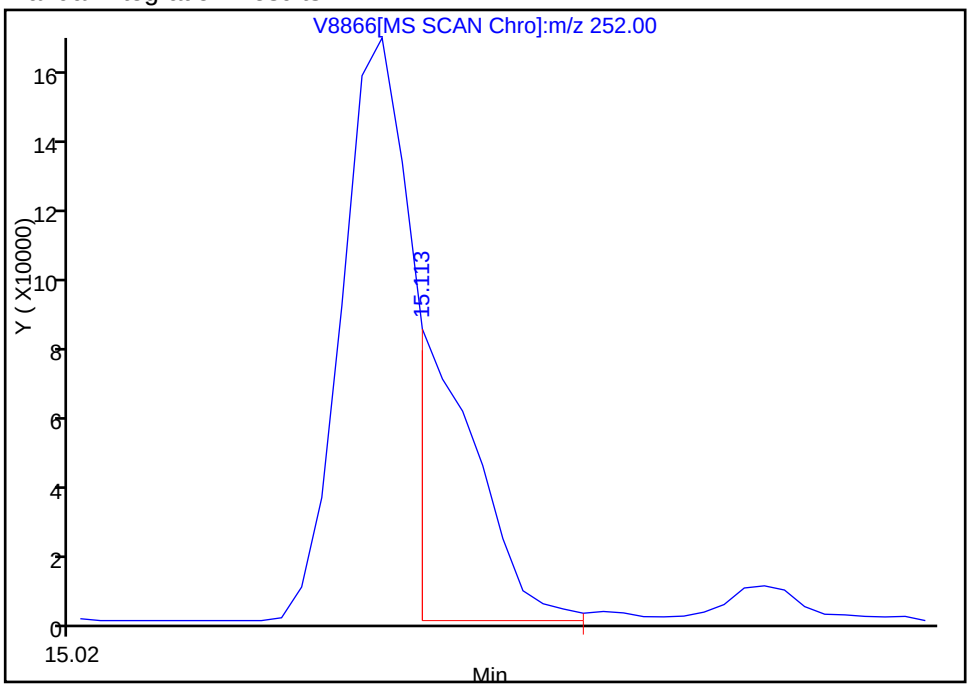
Processing Integration Results

RT: 15.20
Response: 13473
Amount: 0.980771



Manual Integration Results

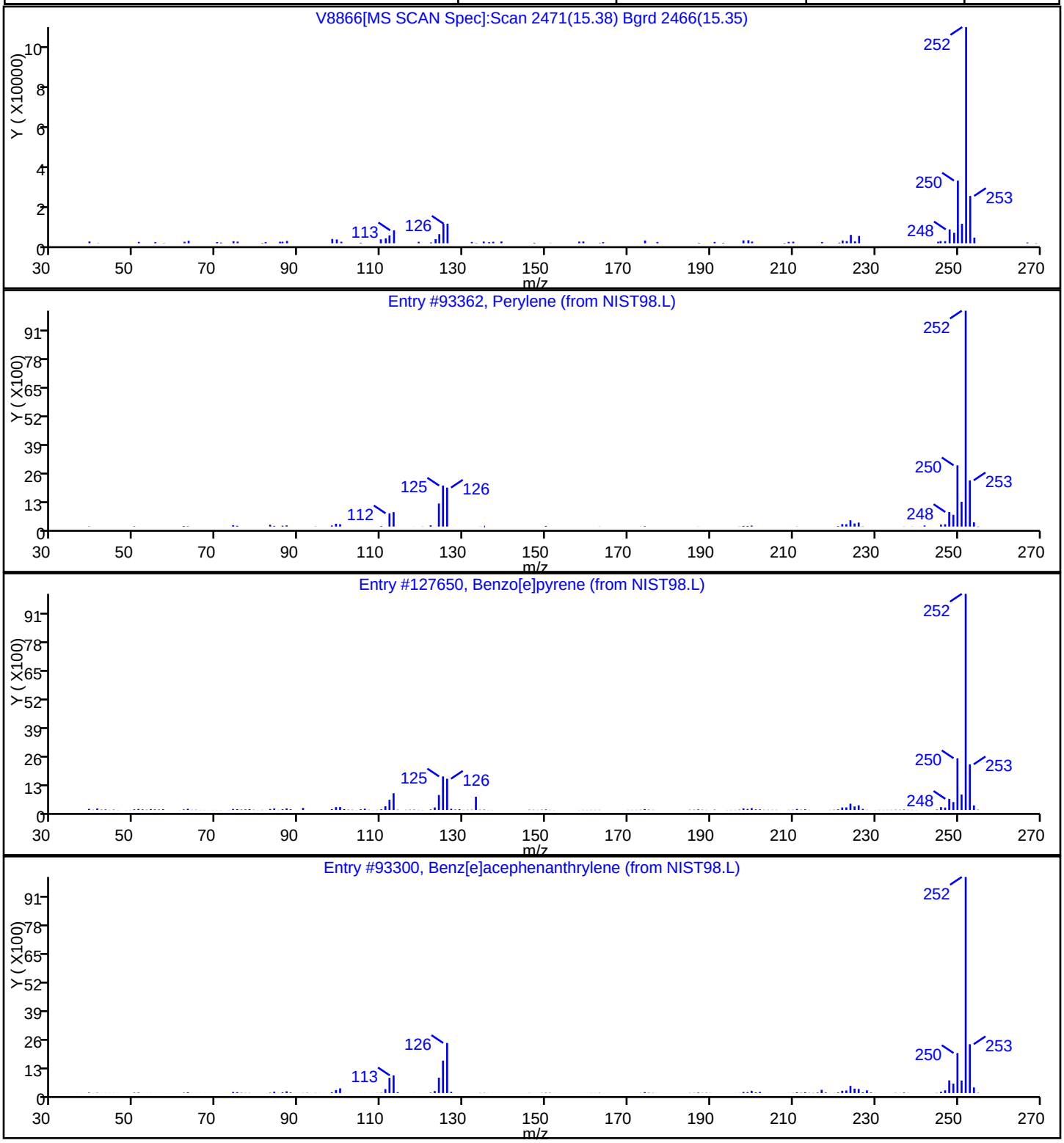
RT: 15.11
Response: 95466
Amount: 6.949474



Reviewer: lyh, 12-Apr-2012 10:35:29
Audit Action: Split an Integrated Peak
Audit Reason: Coelution

Report Date: 12-Apr-2012 10:35:30 Chrom Revision: 2.0 20-Feb-2012 13:27:02
Data File: \\Bufchrom\ChromData\HP5973V\20120411-10911.b\V8866.D
Injection Date: 11-Apr-2012 23:05:30 Limit Group: MB - 8270C ICAL
Client ID: RB-10 (6-12") Instrument ID: HP5973V
Lims Batch ID: 59155 Lims Sample ID: 8
Operator ID: HL 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	93362	94
Benzo[e]pyrene	192-97-2	NIST98.L	127650	93
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.: 480-18292-1

SDG No.:

Client Sample ID: RB-10 (12-24") | Lab Sample ID: 480-18292-2

Matrix: Solid | Lab File ID: V8867.D

Analysis Method: 8270C | Date Collected: 04/05/2012 15:30

Extract. Method: 3550B | Date Extracted: 04/10/2012 07:39

Sample wt/vol: +30.40(g) | Date Analyzed: 04/11/2012 23:29

Con. Extract Vol.: 1(mL) | Dilution Factor: 10

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

% Moisture: 7.0 | GPC Cleanup:(Y/N) N

Analysis Batch No.: 59155 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
95-95-4	2,4,5-Trichlorophenol	ND		1800	390
88-06-2	2,4,6-Trichlorophenol	ND		1800	120
120-83-2	2,4-Dichlorophenol	ND		1800	94
105-67-9	2,4-Dimethylphenol	ND		1800	480
51-28-5	2,4-Dinitrophenol	ND		3500	630
121-14-2	2,4-Dinitrotoluene	ND		1800	280
606-20-2	2,6-Dinitrotoluene	ND		1800	440
91-58-7	2-Chloronaphthalene	ND		1800	120
95-57-8	2-Chlorophenol	ND		1800	91
91-57-6	2-Methylnaphthalene	120	J	1800	22
95-48-7	2-Methylphenol	ND		1800	55
88-74-4	2-Nitroaniline	ND		3500	570
88-75-5	2-Nitrophenol	ND		1800	82
91-94-1	3,3'-Dichlorobenzidine	ND		1800	1600
99-09-2	3-Nitroaniline	ND		3500	410
534-52-1	4,6-Dinitro-2-methylphenol	ND		3500	620
101-55-3	4-Bromophenyl phenyl ether	ND		1800	570
59-50-7	4-Chloro-3-methylphenol	ND		1800	74
106-47-8	4-Chloroaniline	ND		1800	530
7005-72-3	4-Chlorophenyl phenyl ether	ND		1800	38
106-44-5	4-Methylphenol	ND		3500	100
100-01-6	4-Nitroaniline	ND		3500	200
100-02-7	4-Nitrophenol	ND		3500	430
83-32-9	Acenaphthene	ND		1800	21
208-96-8	Acenaphthylene	ND		1800	15
98-86-2	Acetophenone	ND		1800	92
120-12-7	Anthracene	ND		1800	46
1912-24-9	Atrazine	ND		1800	80
100-52-7	Benzaldehyde	ND		1800	200
56-55-3	Benzo(a)anthracene	3400		1800	31
50-32-8	Benzo(a)pyrene	2900		1800	43
205-99-2	Benzo(b)fluoranthene	8500		1800	35
191-24-2	Benzo(g,h,i)perylene	5200		1800	21
207-08-9	Benzo(k)fluoranthene	2300		1800	20

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Buffalo | Job No.: 480-18292-1

SDG No.:

Client Sample ID: RB-10 (12-24") | Lab Sample ID: 480-18292-2

Matrix: Solid | Lab File ID: V8867.D

Analysis Method: 8270C | Date Collected: 04/05/2012 15:30

Extract. Method: 3550B | Date Extracted: 04/10/2012 07:39

Sample wt/vol: +30.40(g) | Date Analyzed: 04/11/2012 23:29

Con. Extract Vol.: 1(mL) | Dilution Factor: 10

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

% Moisture: 7.0 | GPC Cleanup:(Y/N) N

Analysis Batch No.: 59155 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
92-52-4	Biphenyl	ND		1800	110
108-60-1	bis (2-chloroisopropyl) ether	ND		1800	190
111-91-1	Bis(2-chloroethoxy)methane	ND		1800	97
111-44-4	Bis(2-chloroethyl)ether	ND		1800	150
117-81-7	Bis(2-ethylhexyl) phthalate	ND		1800	580
85-68-7	Butyl benzyl phthalate	ND		1800	480
105-60-2	Caprolactam	ND		1800	770
86-74-8	Carbazole	ND		1800	21
218-01-9	Chrysene	5200		1800	18
53-70-3	Dibenz(a,h)anthracene	2300		1800	21
132-64-9	Dibenzofuran	ND		1800	19
84-66-2	Diethyl phthalate	ND		1800	54
131-11-3	Dimethyl phthalate	ND		1800	47
84-74-2	Di-n-butyl phthalate	ND		1800	620
117-84-0	Di-n-octyl phthalate	ND		1800	42
206-44-0	Fluoranthene	5900		1800	26
86-73-7	Fluorene	ND		1800	41
118-74-1	Hexachlorobenzene	ND		1800	89
87-68-3	Hexachlorobutadiene	ND		1800	92
77-47-4	Hexachlorocyclopentadiene	ND		1800	540
67-72-1	Hexachloroethane	ND		1800	140
193-39-5	Indeno(1,2,3-cd)pyrene	3700		1800	50
78-59-1	Isophorone	ND		1800	90
91-20-3	Naphthalene	220	J	1800	30
98-95-3	Nitrobenzene	ND		1800	79
621-64-7	N-Nitrosodi-n-propylamine	ND		1800	140
86-30-6	N-Nitrosodiphenylamine	ND		1800	98
87-86-5	Pentachlorophenol	ND		3500	610
85-01-8	Phenanthrene	3100		1800	38
108-95-2	Phenol	ND		1800	190
129-00-0	Pyrene	3600		1800	12

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Buffalo | Job No.: 480-18292-1

SDG No.:

Client Sample ID: RB-10 (12-24") | Lab Sample ID: 480-18292-2

Matrix: Solid | Lab File ID: V8867.D

Analysis Method: 8270C | Date Collected: 04/05/2012 15:30

Extract. Method: 3550B | Date Extracted: 04/10/2012 07:39

Sample wt/vol: +30.40(g) | Date Analyzed: 04/11/2012 23:29

Con. Extract Vol.: 1(mL) | Dilution Factor: 10

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

% Moisture: 7.0 | GPC Cleanup:(Y/N) N

Analysis Batch No.: 59155 | Units: ug/Kg

CAS NO.	SURROGATE	%REC	Q	LIMITS
118-79-6	2,4,6-Tribromophenol	92		39-146
321-60-8	2-Fluorobiphenyl	91		37-120
367-12-4	2-Fluorophenol	72		18-120
4165-60-0	Nitrobenzene-d5	82		34-132
4165-62-2	Phenol-d5	73		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.: 480-18292-1

SDG No.:

Client Sample ID: RB-10 (12-24") | Lab Sample ID: 480-18292-2

Matrix: Solid | Lab File ID: V8867.D

Analysis Method: 8270C | Date Collected: 04/05/2012 15:30

Extract. Method: 3550B | Date Extracted: 04/10/2012 07:39

Sample wt/vol: +30.40(g) | Date Analyzed: 04/11/2012 23:29

Con. Extract Vol.: 1(mL) | Dilution Factor: 10

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

% Moisture: 7.0 | GPC Cleanup:(Y/N) N

Analysis Batch No.: 59155 | Units: ug/Kg

Number TICs Found: 1 | TIC Result Total: 4700

CAS NO.	COMPOUND NAME	RT	RESULT	Q
205-99-2	Benz[e]acephenanthrylene	15.38	4700	T J N

TestAmerica Laboratories
Target Compound Quantitation Report

Data File:	\\Bufchrom\ChromData\HP5973V\20120411-10911.b\V8867.D		
Lims ID:	480-18292-C-2-B	Client ID:	RB-10 (12-24")
Inject. Date:	11-Apr-2012 23:29:30	Dil. Factor:	10.0000
Sample Type:	Client		
Sample ID:	480-0010911-009		
Misc. Info.:	480-18292-C-2-B		
Operator:	HL	Instrument ID:	HP5973V
Vol. Injected:	1.0000	ALS Bottle#:	32
Lims Batch ID:	59155	Lims Sample ID:	9
Detector:	MS SCAN		
Method:	\\Bufchrom\ChromData\HP5973V\20120411-10911.b\V-8270.m		
Last Update:	12-Apr-2012 10:40:44	Calib Date:	09-Apr-2012 16:15:30
Quant Method:	Internal Standard	Quant By:	Initial Calibration
Last ICal File:	\\Bufchrom\ChromData\HP5973V\20120409-10827.b\V8763.D		
Limit Group:	MB - 8270C ICAL		
Integrator:	RTE	ID Type:	Deconvolution ID
Process Host:	CORP-CTX-19		
First Level Reviewer: lyh		Date:	12-Apr-2012 10:40:44

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ng/uL	Flags
* 1 1,4-Dichlorobenzene-d4	152	6.010	6.005	0.005	97	116017	40.0	
* 2 Naphthalene-d8	136	7.661	7.661	0.0	99	444076	40.0	
* 3 Acenaphthene-d10	164	9.926	9.926	0.0	91	270731	40.0	
* 4 Phenanthrene-d10	188	11.625	11.625	0.0	97	461586	40.0	
* 5 Chrysene-d12	240	14.114	14.120	-0.006	97	427574	40.0	
* 6 Perylene-d12	264	15.498	15.498	0.0	98	470374	40.0	
$ 9 2-Fluorophenol	112	4.327	4.317	0.010	65	42946	10.8	
$ 10 Phenol-d5	99	5.540	5.535	0.005	72	57792	10.9	
$ 11 Nitrobenzene-d5	82	6.737	6.737	0.0	75	38859	8.24	
$ 12 2-Fluorobiphenyl	172	9.071	9.066	0.005	93	77780	9.14	
$ 13 2,4,6-Tribromophenol	330	10.887	10.877	0.010	50	12827	13.8	
$ 14 p-Terphenyl-d14	244	13.169	13.169	0.0	92	99292	10.7	
88 Benzaldehyde	77		5.444					
89 Phenol	94		5.551					
91 Bis(2-chloroethyl)ether	93		5.668					
93 2-Chlorophenol	128		5.732					
98 2-Methylphenol	108		6.341					
99 2,2'-oxybis[1-chloropropane]	45		6.368					
104 Acetophenone	105		6.539					
101 N-Nitrosodi-n-propylamine	70		6.544					
102 4-Methylphenol	108		6.550					
106 Hexachloroethane	117		6.662					
107 Nitrobenzene	77		6.758					
110 Isophorone	82		7.073					
111 2-Nitrophenol	139		7.175					
112 2,4-Dimethylphenol	107		7.244					
115 Bis(2-chloroethoxy)methane	93		7.362					
117 2,4-Dichlorophenol	162		7.490					
121 Naphthalene	128	7.687	7.693	-0.006	1	6978	0.6247	
123 4-Chloroaniline	127		7.778					
126 Hexachlorobutadiene	225		7.853					

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ng/uL	Flags
127 Caprolactam	113		8.222					
131 4-Chloro-3-methylphenol	107		8.414					
133 2-Methylnaphthalene	142	8.601	8.590	0.011	1	2678	0.3493	
136 Hexachlorocyclopentadiene	237		8.788					
139 2,4,6-Trichlorophenol	196		8.959					
140 2,4,5-Trichlorophenol	196		9.012					
144 1,1'-Biphenyl	154	9.210	9.194	0.016	1	2098	0.2261	M
143 2-Chloronaphthalene	162		9.215					
145 2-Nitroaniline	65		9.370					
147 Dimethyl phthalate	163		9.605					
148 2,6-Dinitrotoluene	165		9.686					
149 Acenaphthylene	152		9.750					
150 3-Nitroaniline	138		9.910					
151 Acenaphthene	153		9.969					
152 2,4-Dinitrophenol	184		10.044					
153 4-Nitrophenol	109		10.150					
155 Dibenzofuran	168		10.182					
154 2,4-Dinitrotoluene	165		10.193					
160 Diethyl phthalate	149		10.482					
161 Fluorene	166		10.594					
162 4-Chlorophenyl phenyl ether	204		10.599					
164 4-Nitroaniline	138		10.653					
166 4,6-Dinitro-2-methylphenol	198		10.679					
167 N-Nitrosodiphenylamine	169		10.743					
176 4-Bromophenyl phenyl ether	248		11.149					
177 Hexachlorobenzene	284		11.213					
180 Atrazine	200		11.347					
181 Pentachlorophenol	266		11.433					
185 Phenanthrene	178	11.651	11.652	-0.001	91	108272	8.70	
188 Anthracene	178		11.705					
189 Carbazole	167		11.881					
192 Di-n-butyl phthalate	149	12.218	12.218	0.0	1	1891	0.1502	
197 Fluoranthene	202	12.821	12.827	-0.006	96	227744	16.8	
199 Pyrene	202	13.035	13.041	-0.006	98	129840	10.3	
205 Butyl benzyl phthalate	149		13.596					
210 Bis(2-ethylhexyl) phthalate	149		14.077					
208 3,3'-Dichlorobenzidine	252		14.082					
209 Benzo[a]anthracene	228	14.109	14.109	0.0	74	113722	9.55	
211 Chrysene	228	14.136	14.146	-0.010	88	179409	14.8	
212 Di-n-octyl phthalate	149		14.643					
213 Benzo[b]fluoranthene	252	15.103	15.103	0.0	88	324003	24.1	M
214 Benzo[k]fluoranthene	252	15.124	15.135	-0.011	93	98347	6.39	M
217 Benzo[a]pyrene	252	15.434	15.439	-0.005	62	95639	8.15	
219 Indeno[1,2,3-cd]pyrene	276	16.743	16.759	-0.016	97	132319	10.5	
220 Dibenz(a,h)anthracene	278	16.748	16.764	-0.016	26	43833	6.52	
221 Benzo[g,h,i]perylene	276	17.111	17.122	-0.011	88	152707	14.6	

QC Flag Legend

Review Flags
M - Manually Integrated

TestAmerica Laboratories
Tentatively Identified Quantitation Report

Data File:	\\Bufchrom\ChromData\HP5973V\20120411-10911.b\V8867.D		
Lims ID:	480-18292-C-2-B	Client ID:	RB-10 (12-24")
Inject. Date:	11-Apr-2012 23:29:30	Dil. Factor:	10.0000
Sample Type:	Client		
Sample ID:	480-0010911-009		
Misc. Info.:	480-18292-C-2-B		
Operator:	HL	Instrument ID:	HP5973V
Vol. Injected:	1.0000	ALS Bottle#:	32
Lims Batch ID:	59155	Lims Sample ID:	9
Detector:	MS SCAN		
Method:	\\Bufchrom\ChromData\HP5973V\20120411-10911.b\V-8270.m		
Last Update:	12-Apr-2012 10:40:44	Calib Date:	09-Apr-2012 16:15:30
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: lyh		Date:	12-Apr-2012 10:40:44

Calibrated Tentative Identified Compound Results

Compound	RT	Response	Amount ng/uL	Flags
4-Chloropyridine	4.333	2616		MM

Tentative Identified Compound Results

RT	Response	Amount ng/uL	Quant Cpnd	Qual	Lib Entry	Flags
205-99-2 Benz[e]acephenanthrylene						
15.380	447945	13.3	6	90	127652	

Quantitation Compounds

Compound	RT	Response	Amount ng/uL
* 6 Perylene-d12	15.498	1350220	40.0

QC Flag Legend

Processing Flags

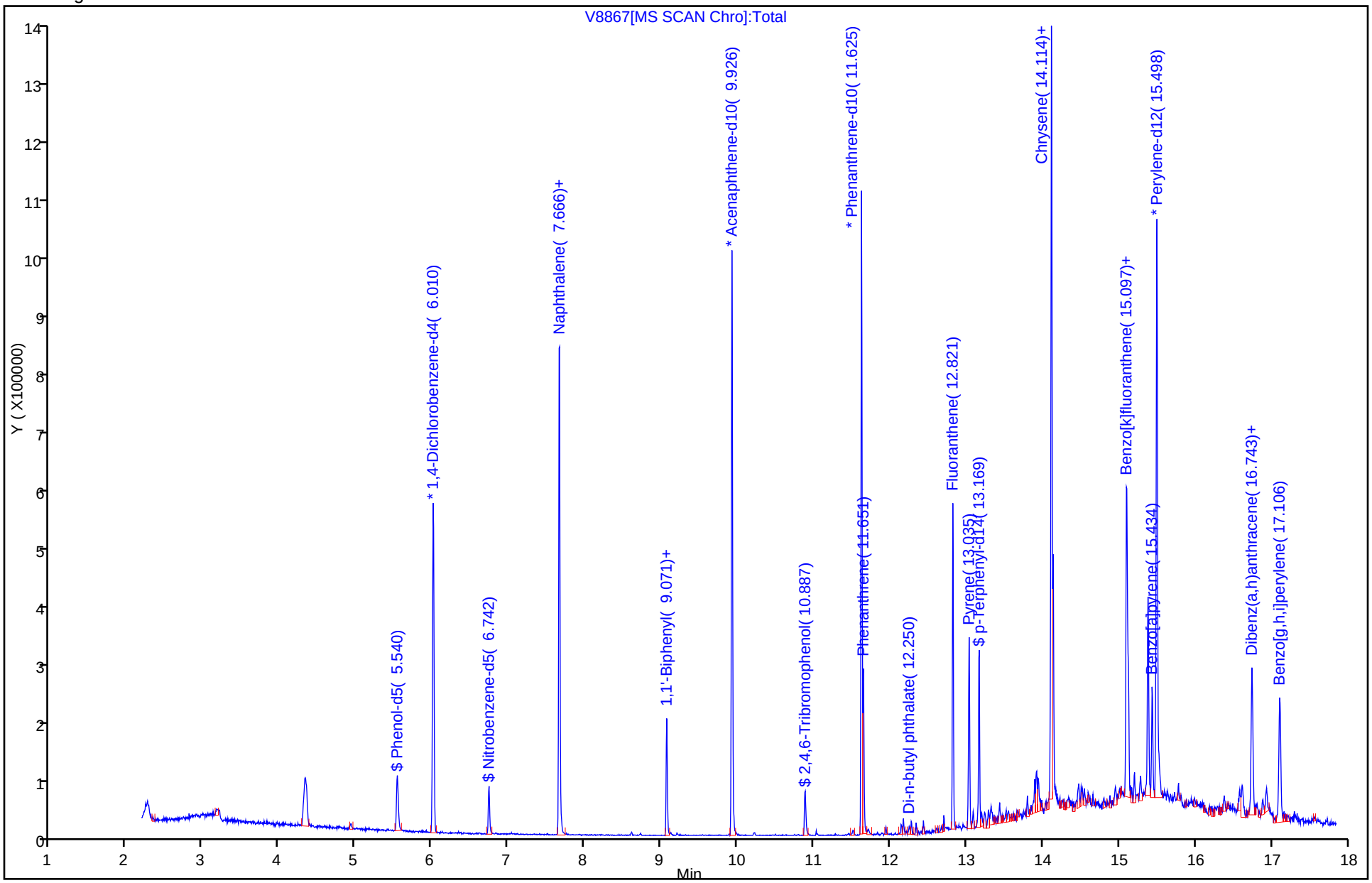
Review Flags
M - Manually Integrated

Report Date: 12-Apr-2012 10:40:44 Chrom Revision: 2.0 20-Feb-2012 13:27:02

Data File: \\Bufchrom\ChromData\HP5973V\20120411-10911.b\V8867.D

Injection Date:	11-Apr-2012 23:29:30	Limit Group:	MB - 8270C ICAL
Client ID:	RB-10 (12-24")	Instrument ID:	HP5973V
Lims Batch ID:	59155	Lims Sample ID:	9
Operator ID:	HL	Injection Vol:	1.00 ul
Column Type:	RXI-5Sil MS	Column Dia:	0.25 mm

Y Scaling:

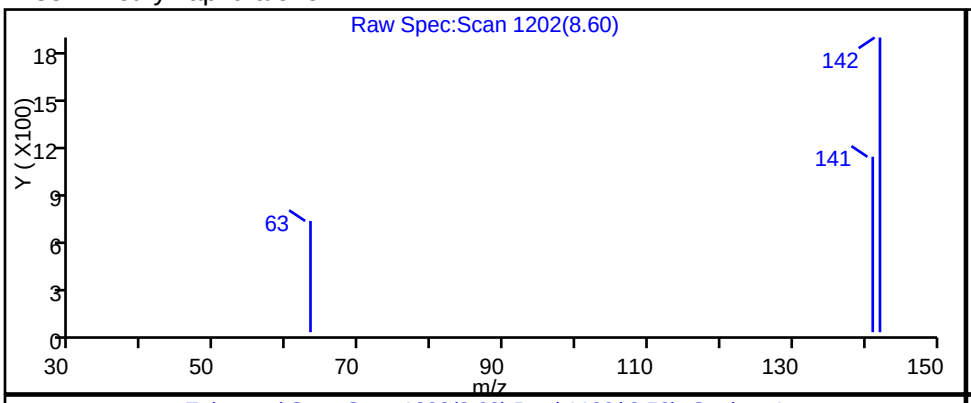


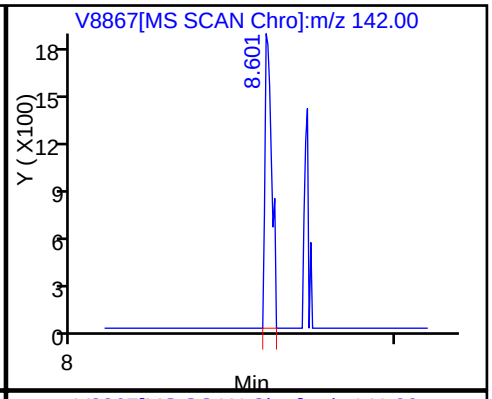
Report Date: 12-Apr-2012 10:40:44 Chrom Revision: 2.0 20-Feb-2012 13:27:02

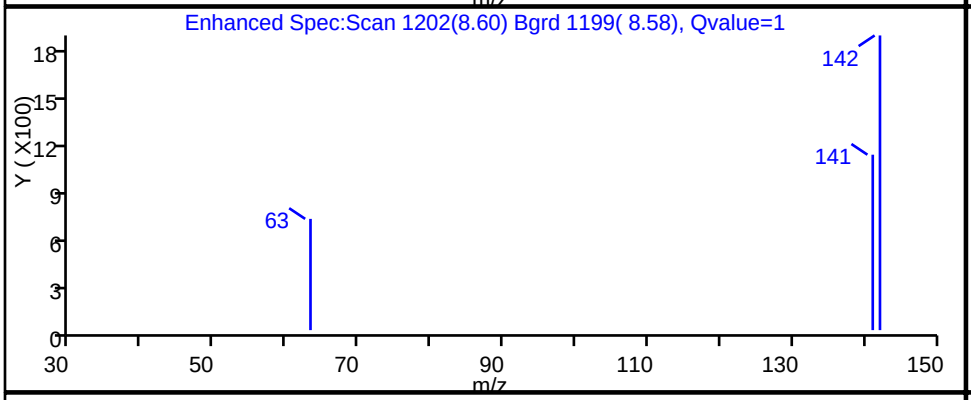
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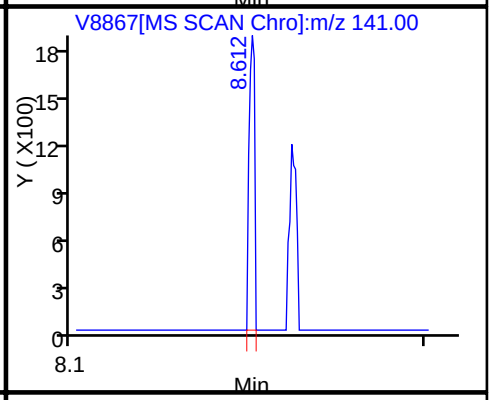
Injection Date:	11-Apr-2012 23:29:30	Limit Group:	MB - 8270C ICAL
Client ID:	RB-10 (12-24")	Instrument ID:	HP5973V
Lims Batch ID:	59155	Lims Sample ID:	9
Operator ID:	HL	Injection Vol:	1.00 ul
Column Type:	RXI-5Sil MS	Column Dia:	0.25 mm

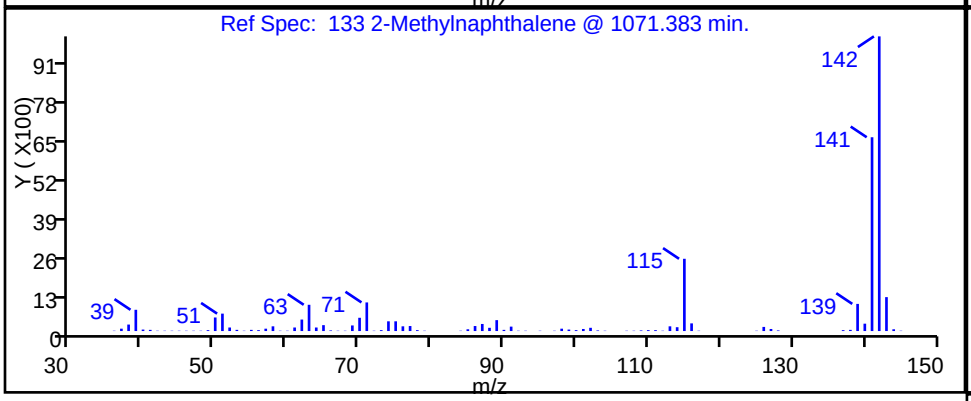
133 2-Methylnaphthalene

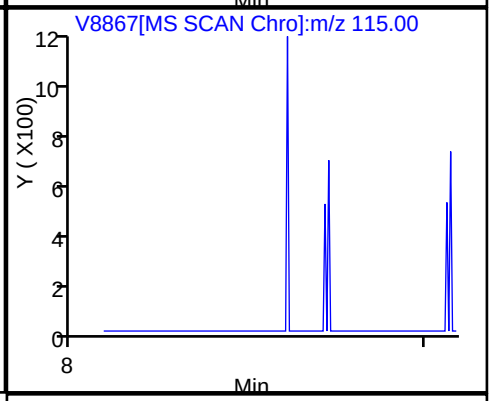


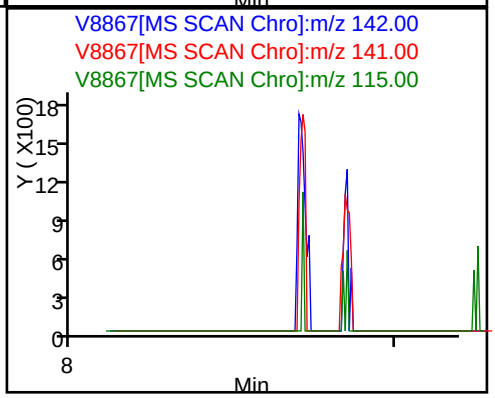










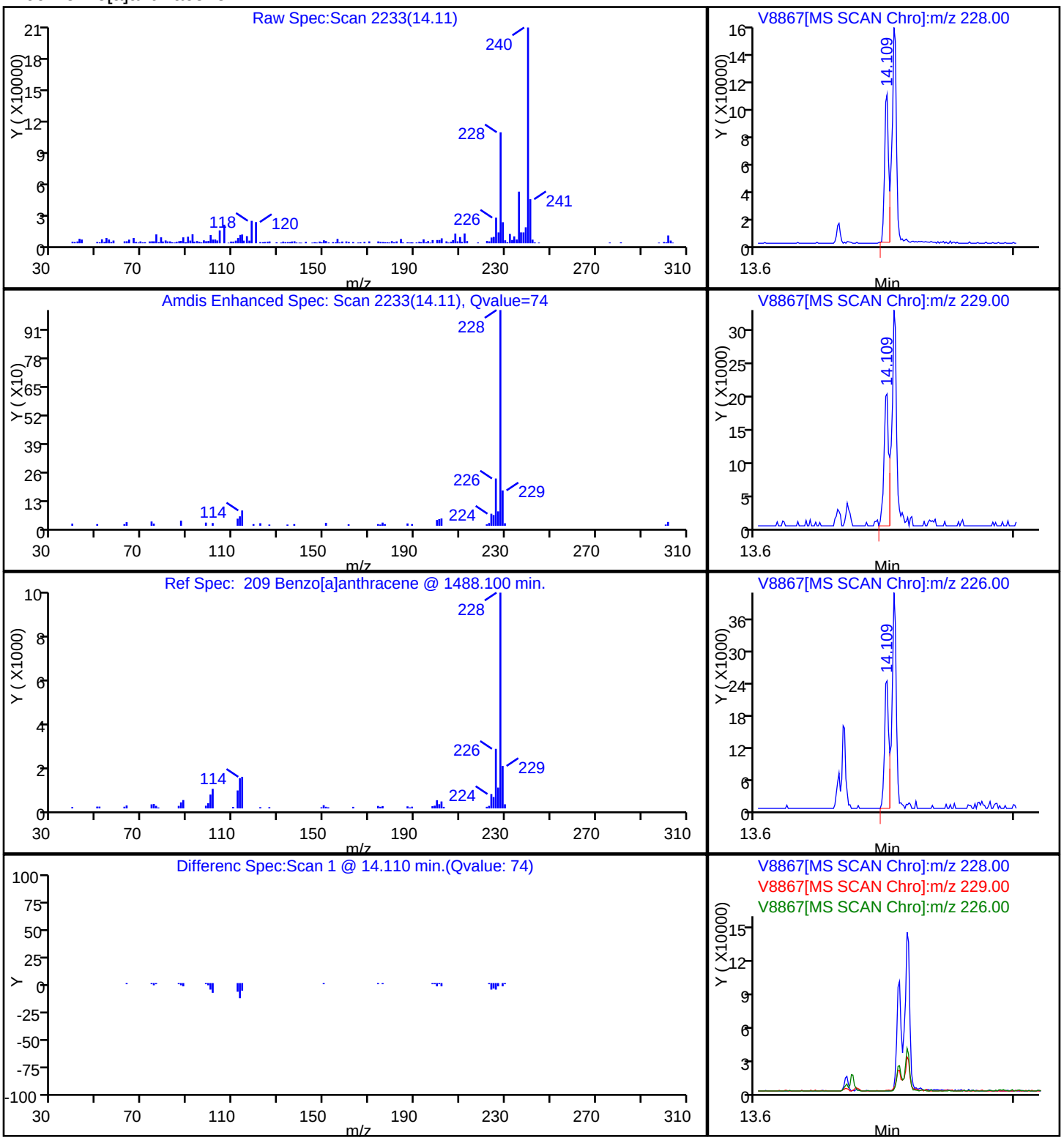


Report Date: 12-Apr-2012 10:40:44 Chrom Revision: 2.0 20-Feb-2012 13:27:02

Data File: \\Bufchrom\ChromData\HP5973V\20120411-10911.b\V8867.D

Injection Date:	11-Apr-2012 23:29:30	Limit Group:	MB - 8270C ICAL
Client ID:	RB-10 (12-24")	Instrument ID:	HP5973V
Lims Batch ID:	59155	Lims Sample ID:	9
Operator ID:	HL	Injection Vol:	1.00 ul
Column Type:	RXI-5Sil MS	Column Dia:	0.25 mm

209 Benzo[a]anthracene

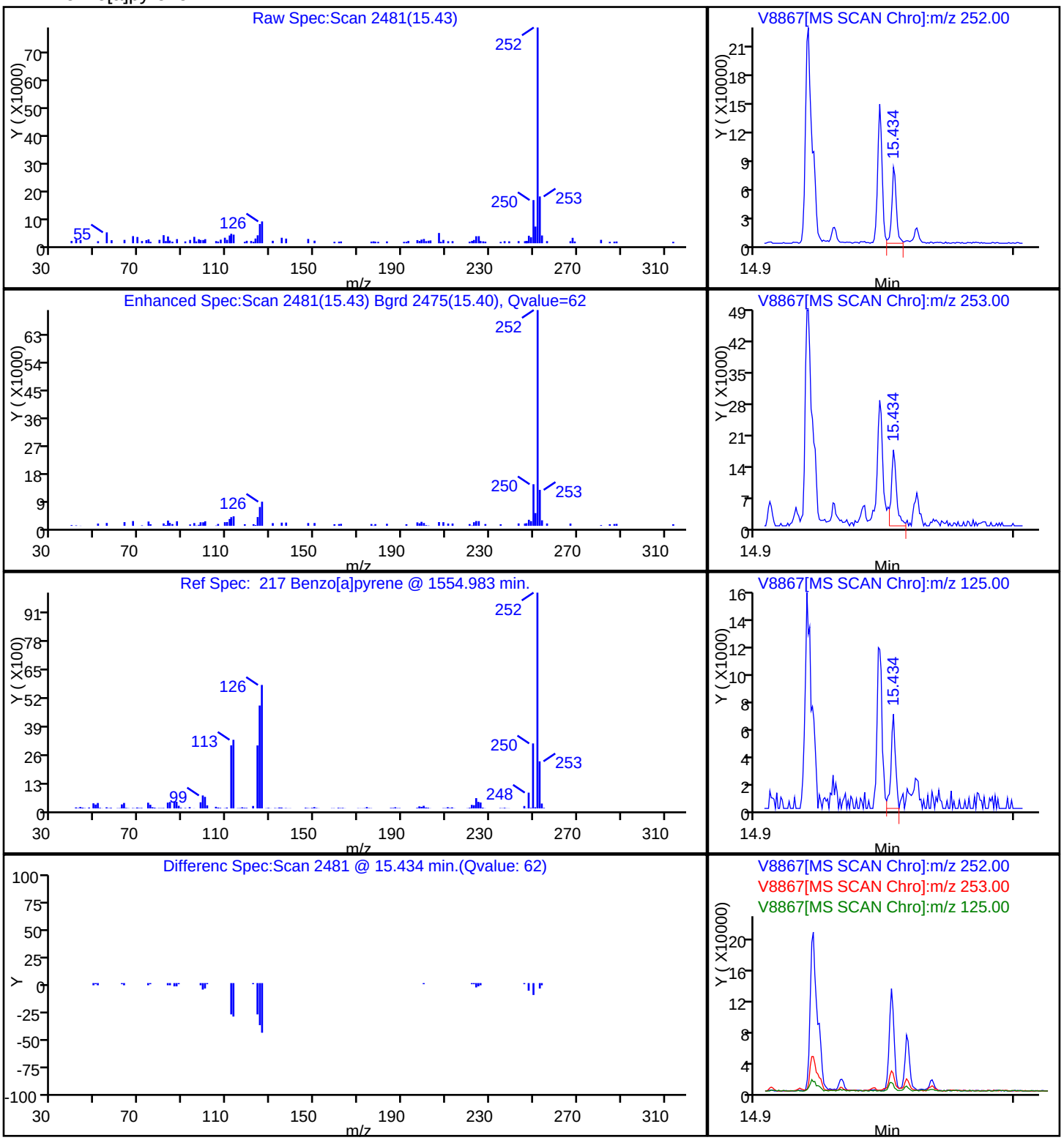


Report Date: 12-Apr-2012 10:40:44 Chrom Revision: 2.0 20-Feb-2012 13:27:02

Data File: \\Bufchrom\ChromData\HP5973V\20120411-10911.b\V8867.D

Injection Date:	11-Apr-2012 23:29:30	Limit Group:	MB - 8270C ICAL
Client ID:	RB-10 (12-24")	Instrument ID:	HP5973V
Lims Batch ID:	59155	Lims Sample ID:	9
Operator ID:	HL	Injection Vol:	1.00 ul
Column Type:	RXI-5Sil MS	Column Dia:	0.25 mm

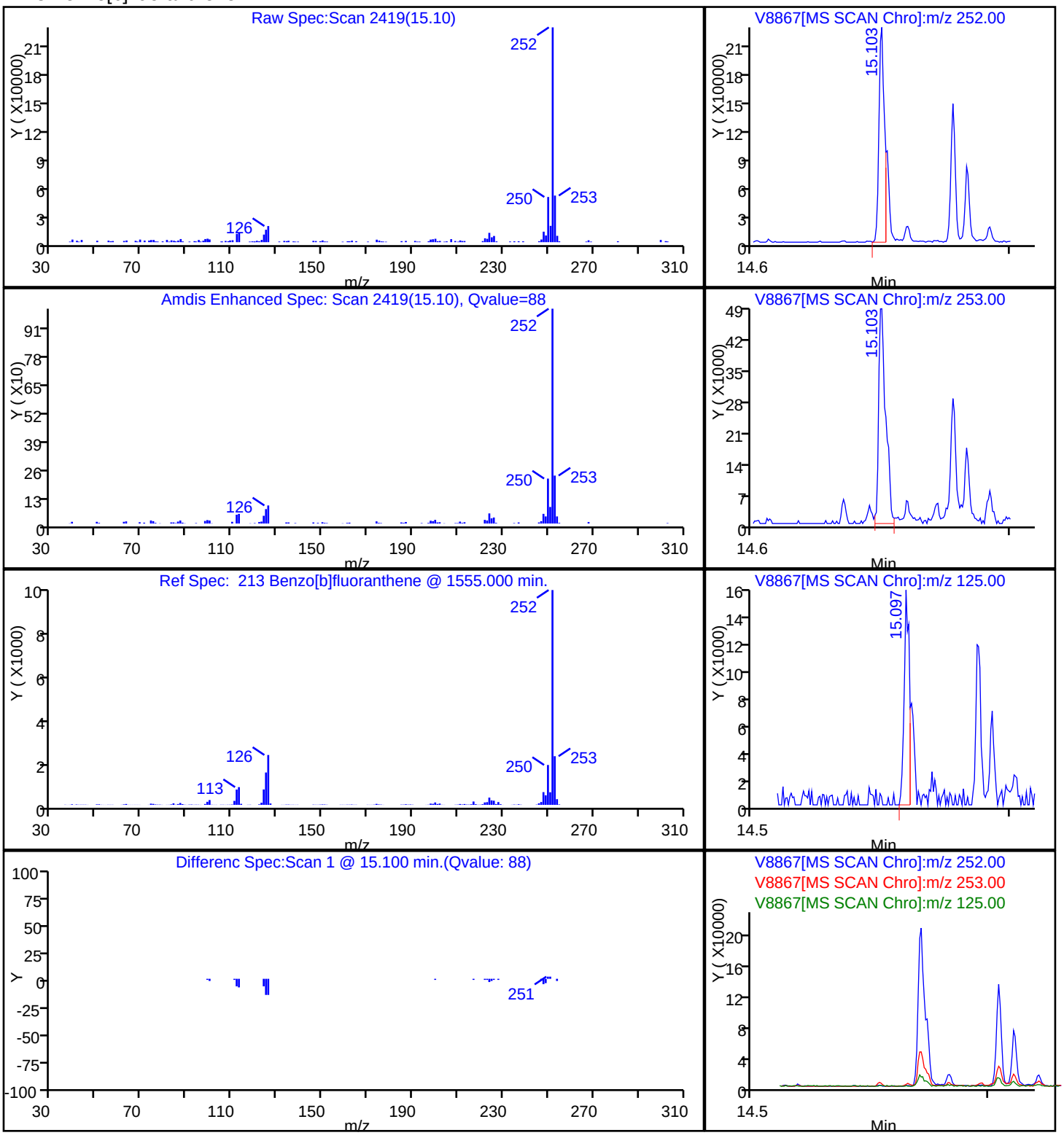
217 Benzo[a]pyrene



Report Date: 12-Apr-2012 10:40:44 Chrom Revision: 2.0 20-Feb-2012 13:27:02

Data File:	\\Bufchrom\ChromData\HP5973V\20120411-10911.b\V8867.D		
Injection Date:	11-Apr-2012 23:29:30	Limit Group:	MB - 8270C ICAL
Client ID:	RB-10 (12-24")	Instrument ID:	HP5973V
Lims Batch ID:	59155	Lims Sample ID:	9
Operator ID:	HL	Injection Vol:	1.00 ul
Column Type:	RXI-5Sil MS	Column Dia:	0.25 mm

213 Benzo[b]fluoranthene

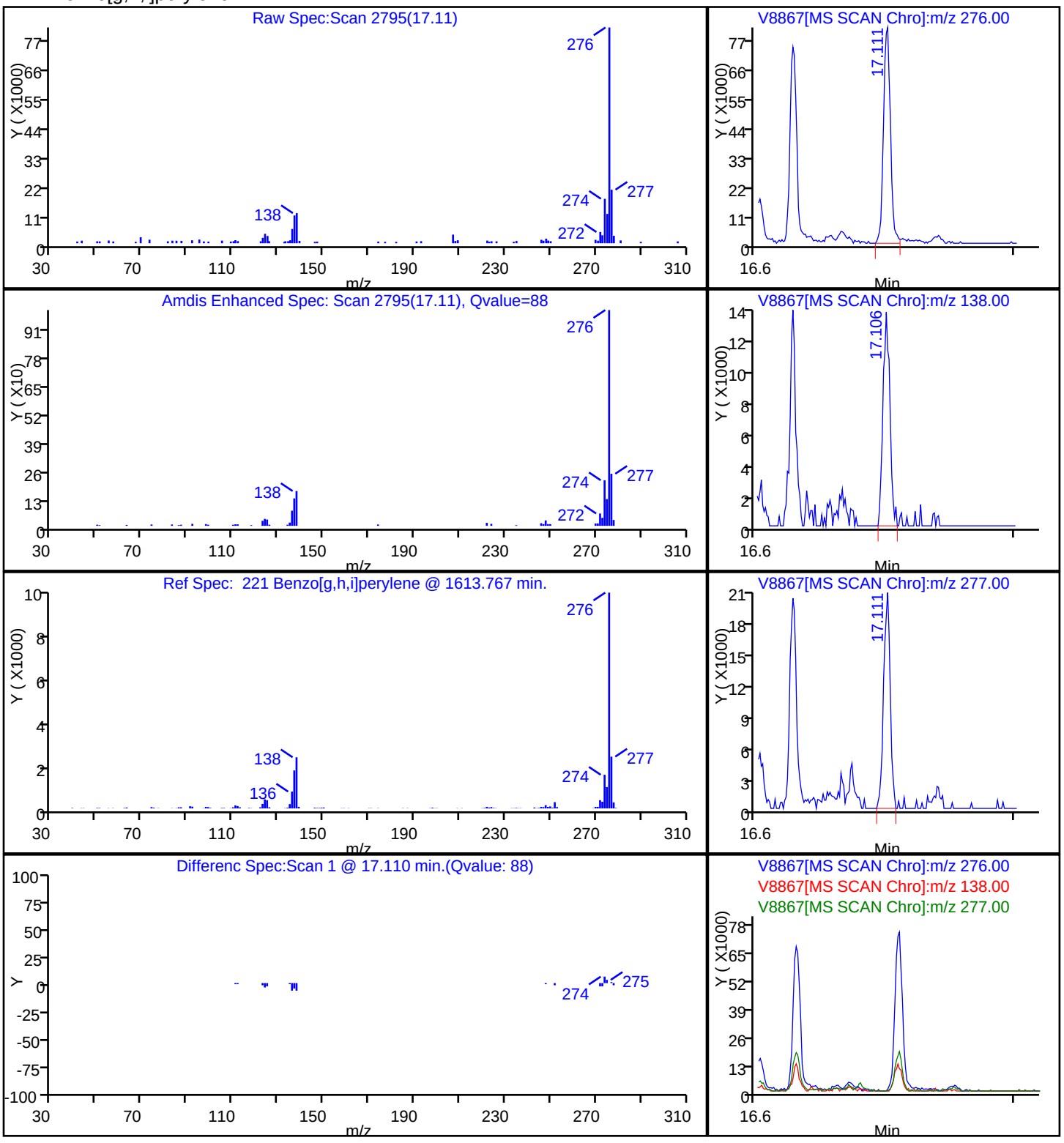


Report Date: 12-Apr-2012 10:40:44 Chrom Revision: 2.0 20-Feb-2012 13:27:02

Data File: \\Bufchrom\ChromData\HP5973V\20120411-10911.b\V8867.D

Injection Date:	11-Apr-2012 23:29:30	Limit Group:	MB - 8270C ICAL
Client ID:	RB-10 (12-24")	Instrument ID:	HP5973V
Lims Batch ID:	59155	Lims Sample ID:	9
Operator ID:	HL	Injection Vol:	1.00 ul
Column Type:	RXI-5Sil MS	Column Dia:	0.25 mm

221 Benzo[g,h,i]perylene

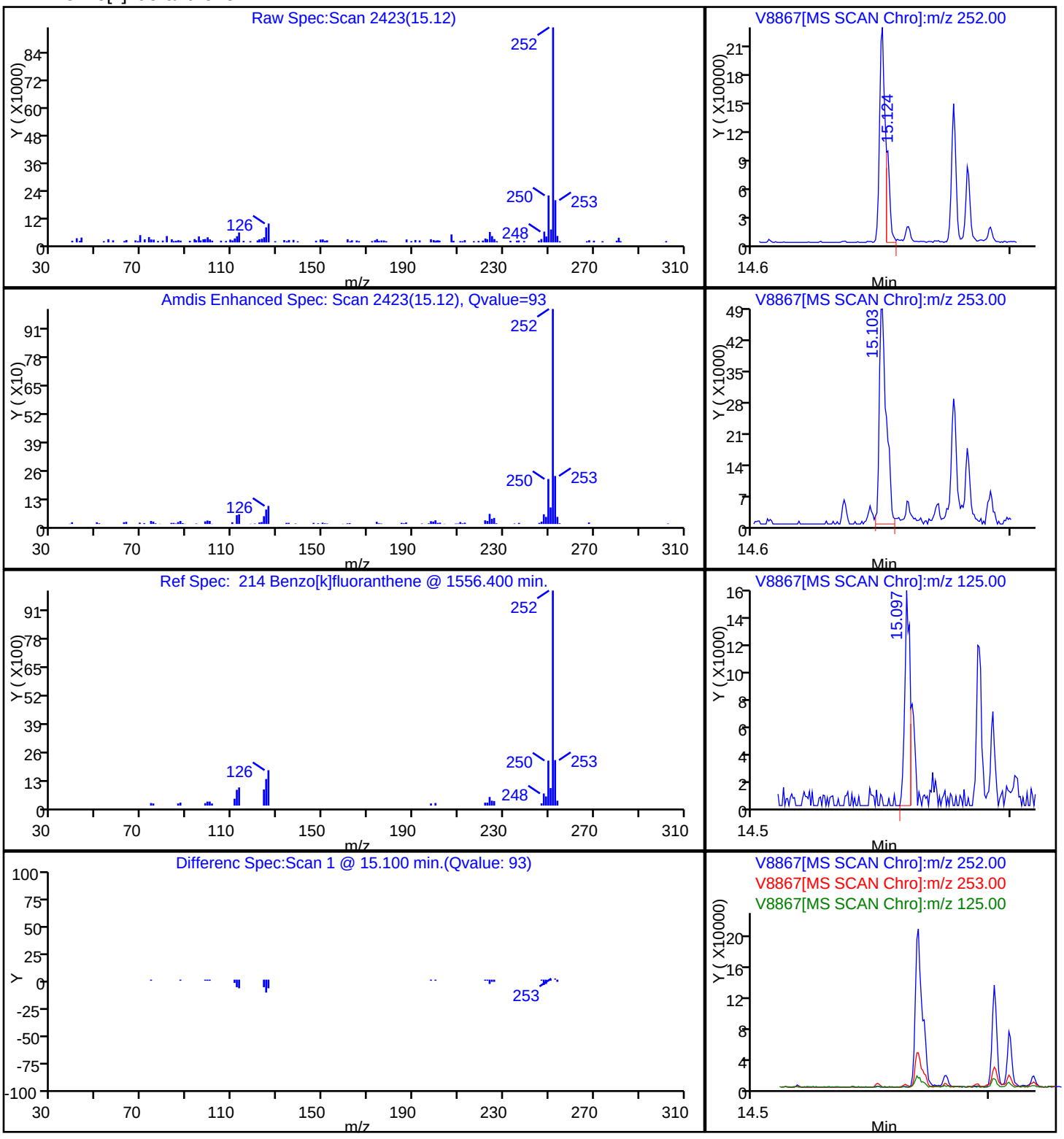


Report Date: 12-Apr-2012 10:40:44 Chrom Revision: 2.0 20-Feb-2012 13:27:02

Data File: \\Bufchrom\ChromData\HP5973V\20120411-10911.b\V8867.D

Injection Date:	11-Apr-2012 23:29:30	Limit Group:	MB - 8270C ICAL
Client ID:	RB-10 (12-24")	Instrument ID:	HP5973V
Lims Batch ID:	59155	Lims Sample ID:	9
Operator ID:	HL	Injection Vol:	1.00 ul
Column Type:	RXI-5Sil MS	Column Dia:	0.25 mm

214 Benzo[k]fluoranthene

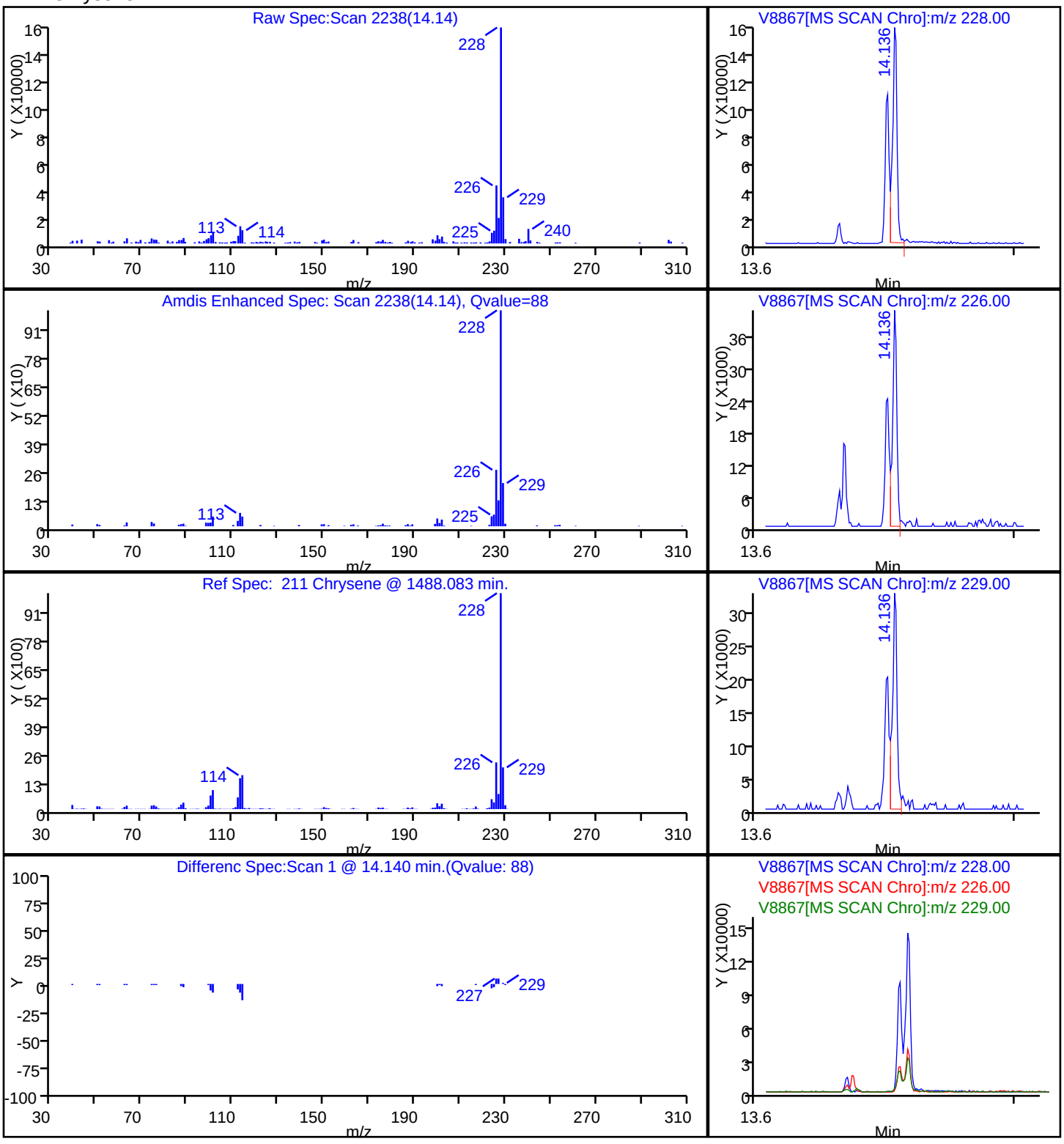


Report Date: 12-Apr-2012 10:40:44 Chrom Revision: 2.0 20-Feb-2012 13:27:02

Data File: \\Bufchrom\ChromData\HP5973V\20120411-10911.b\V8867.D

Injection Date:	11-Apr-2012 23:29:30	Limit Group:	MB - 8270C ICAL
Client ID:	RB-10 (12-24")	Instrument ID:	HP5973V
Lims Batch ID:	59155	Lims Sample ID:	9
Operator ID:	HL	Injection Vol:	1.00 ul
Column Type:	RXI-5Sil MS	Column Dia:	0.25 mm

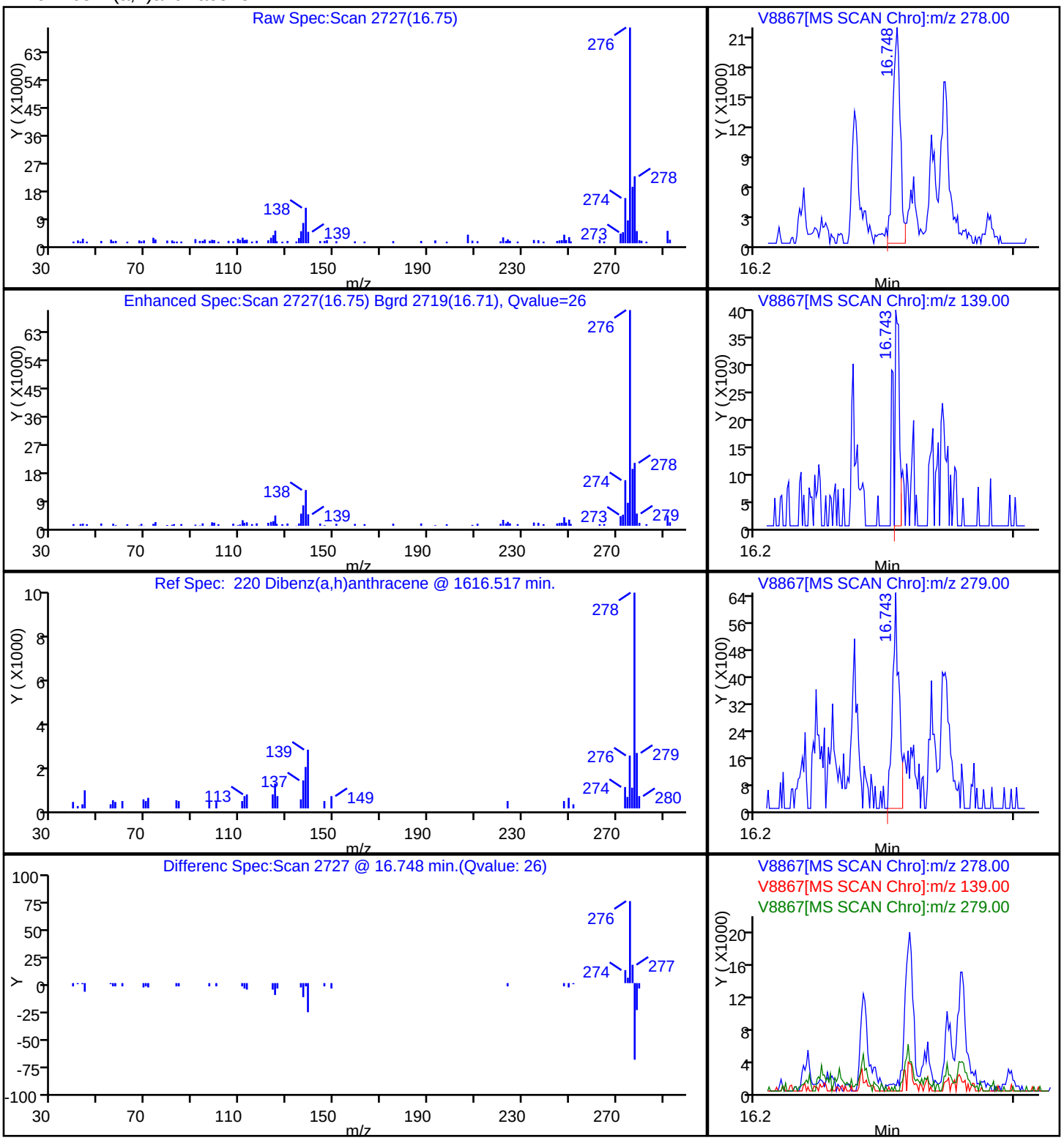
211 Chrysene



Report Date: 12-Apr-2012 10:40:44 Chrom Revision: 2.0 20-Feb-2012 13:27:02

Data File:	\\Bufchrom\ChromData\HP5973V\20120411-10911.b\V8867.D		
Injection Date:	11-Apr-2012 23:29:30	Limit Group:	MB - 8270C ICAL
Client ID:	RB-10 (12-24")	Instrument ID:	HP5973V
Lims Batch ID:	59155	Lims Sample ID:	9
Operator ID:	HL	Injection Vol:	1.00 ul
Column Type:	RXI-5Sil MS	Column Dia:	0.25 mm

220 Dibenz(a,h)anthracene

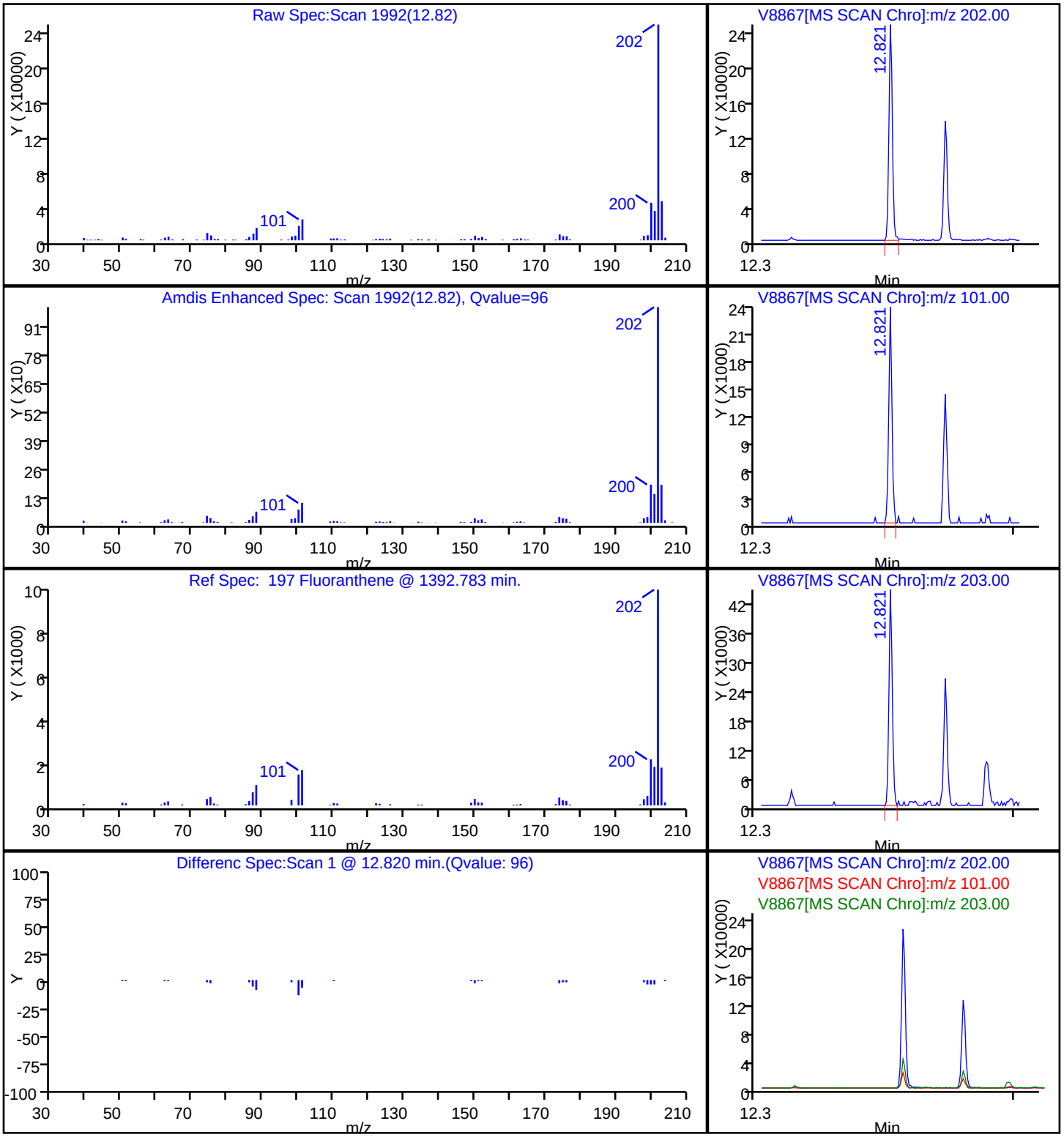


Report Date: 12-Apr-2012 10:40:44 Chrom Revision: 2.0 20-Feb-2012 13:27:02

Data File: \\Bufchrom\ChromData\HP5973V\20120411-10911.b\V8867.D

Injection Date:	11-Apr-2012 23:29:30	Limit Group:	MB - 8270C ICAL
Client ID:	RB-10 (12-24")	Instrument ID:	HP5973V
Lims Batch ID:	59155	Lims Sample ID:	9
Operator ID:	HL	Injection Vol:	1.00 ul
Column Type:	RXI-5Sil MS	Column Dia:	0.25 mm

197 Fluoranthene

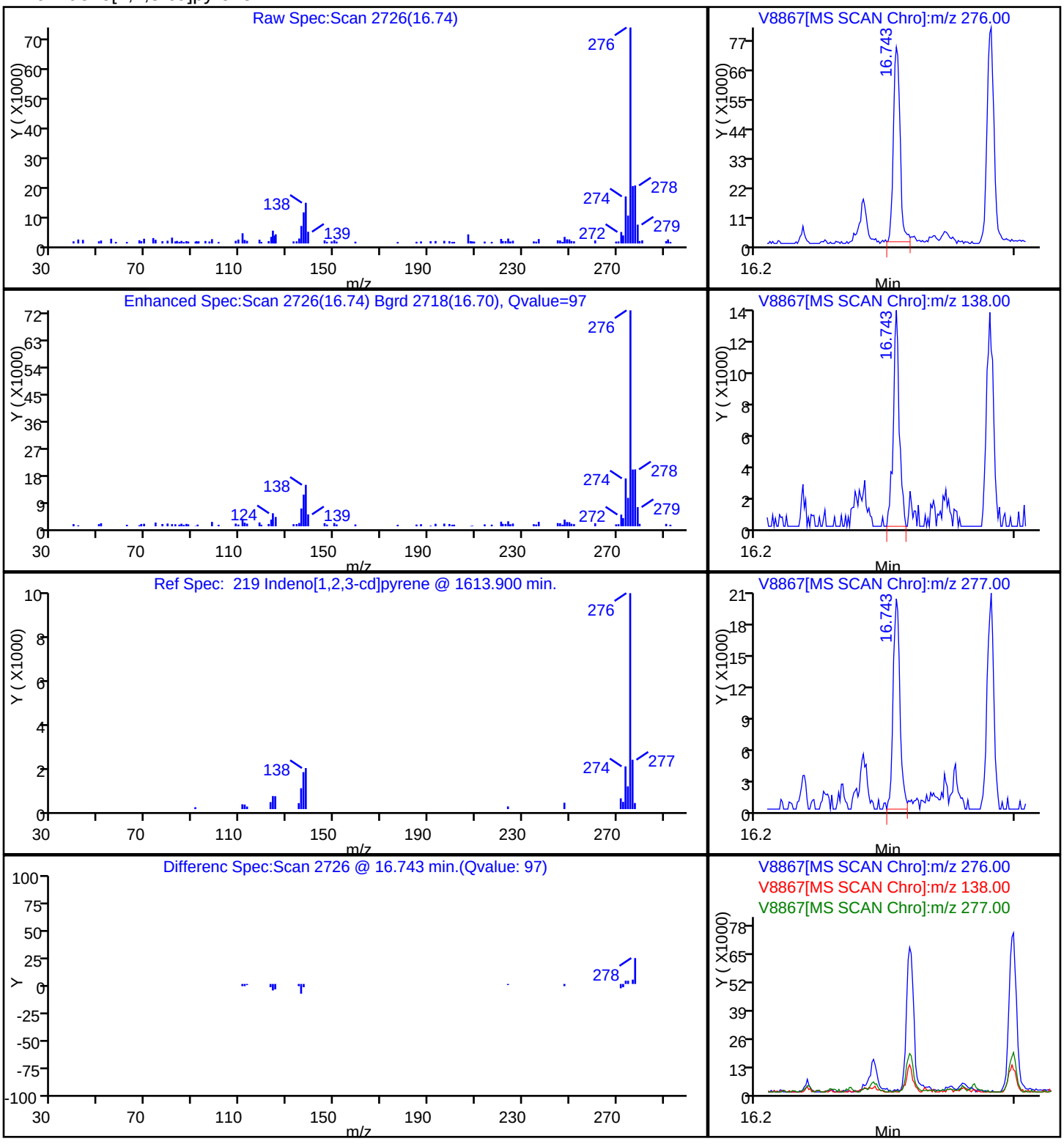


Report Date: 12-Apr-2012 10:40:44 Chrom Revision: 2.0 20-Feb-2012 13:27:02

Data File: \\Bufchrom\ChromData\HP5973V\20120411-10911.b\V8867.D

Injection Date:	11-Apr-2012 23:29:30	Limit Group:	MB - 8270C ICAL
Client ID:	RB-10 (12-24")	Instrument ID:	HP5973V
Lims Batch ID:	59155	Lims Sample ID:	9
Operator ID:	HL	Injection Vol:	1.00 ul
Column Type:	RXI-5Sil MS	Column Dia:	0.25 mm

219 Indeno[1,2,3-cd]pyrene

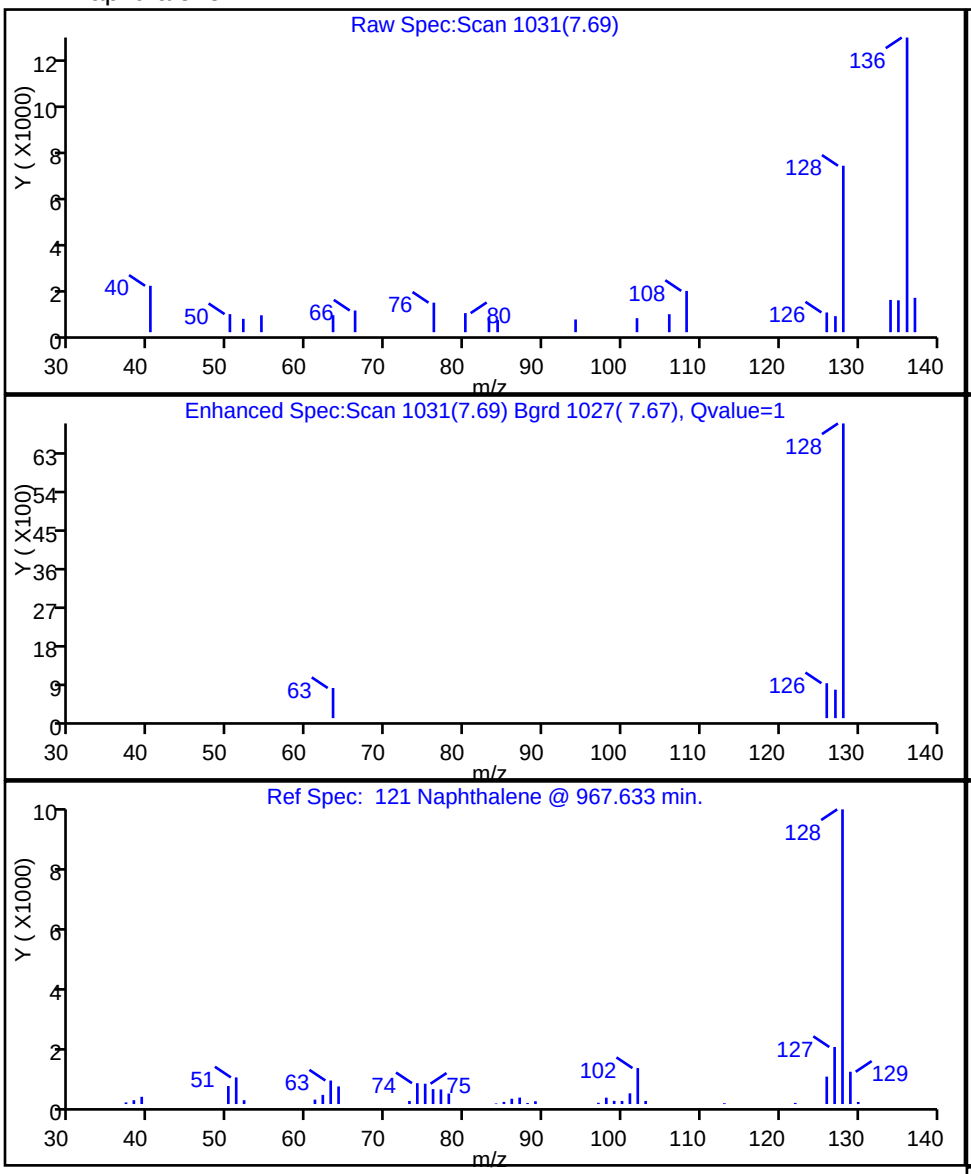


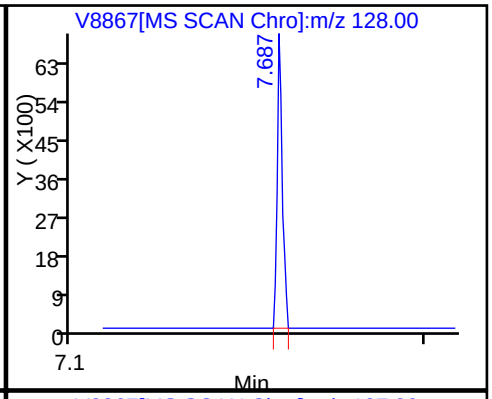
Report Date: 12-Apr-2012 10:40:44 Chrom Revision: 2.0 20-Feb-2012 13:27:02

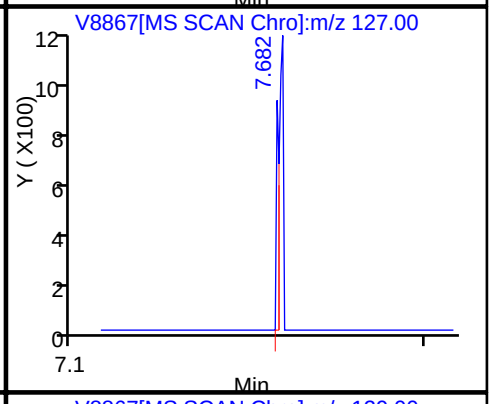
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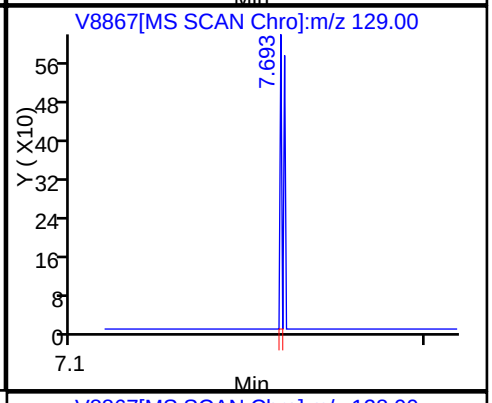
Injection Date:	11-Apr-2012 23:29:30	Limit Group:	MB - 8270C ICAL
Client ID:	RB-10 (12-24")	Instrument ID:	HP5973V
Lims Batch ID:	59155	Lims Sample ID:	9
Operator ID:	HL	Injection Vol:	1.00 ul
Column Type:	RXI-5Sil MS	Column Dia:	0.25 mm

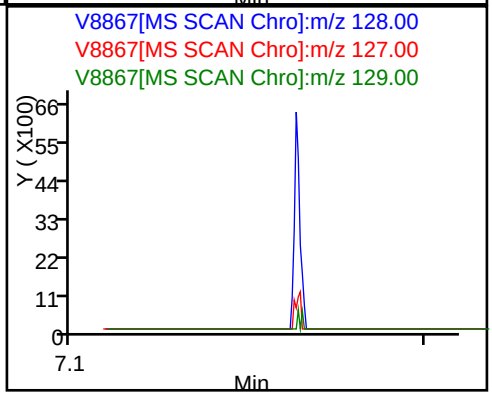
121 Naphthalene









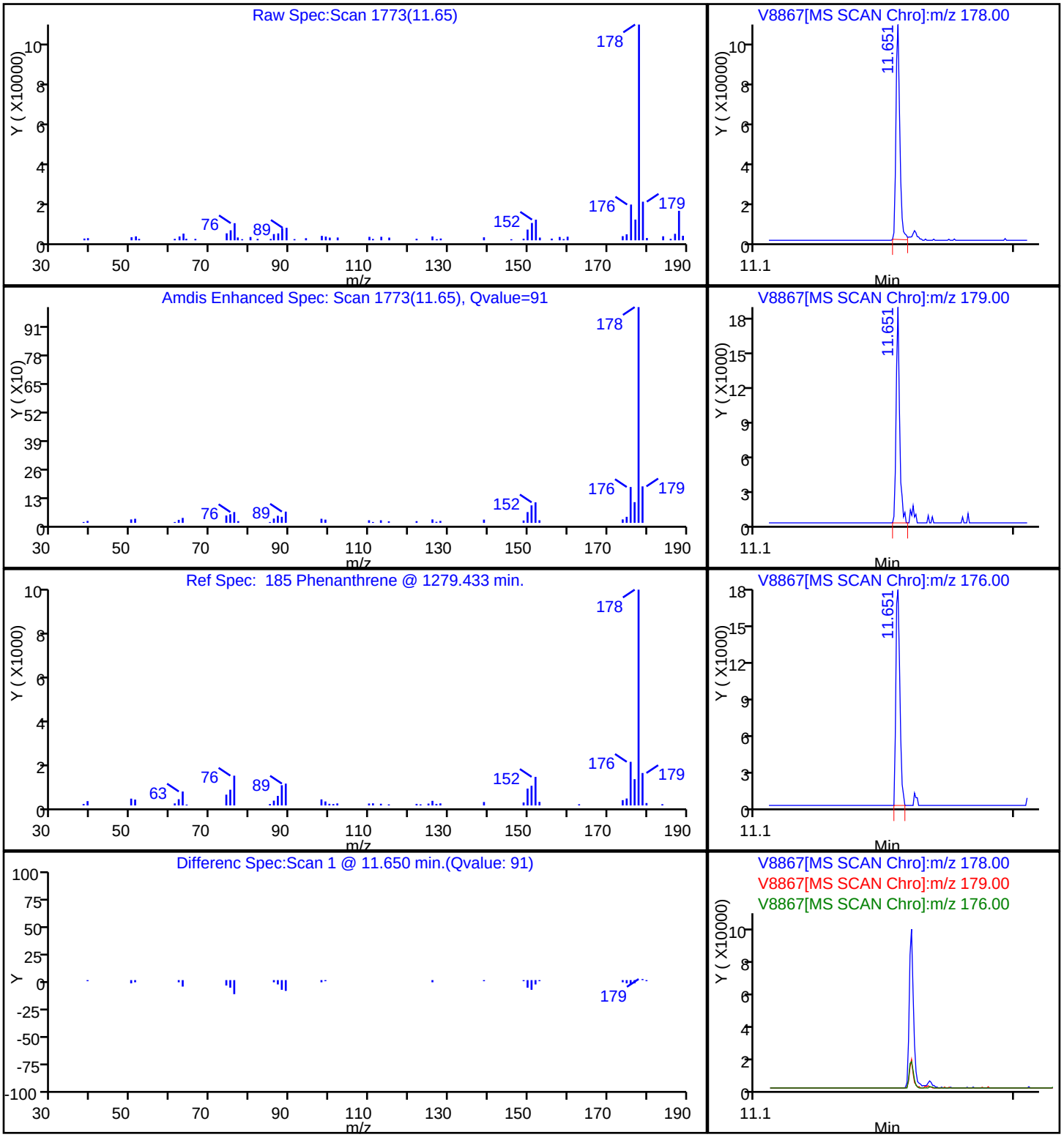


Report Date: 12-Apr-2012 10:40:44 Chrom Revision: 2.0 20-Feb-2012 13:27:02

Data File: \\Bufchrom\ChromData\HP5973V\20120411-10911.b\V8867.D

Injection Date:	11-Apr-2012 23:29:30	Limit Group:	MB - 8270C ICAL
Client ID:	RB-10 (12-24")	Instrument ID:	HP5973V
Lims Batch ID:	59155	Lims Sample ID:	9
Operator ID:	HL	Injection Vol:	1.00 ul
Column Type:	RXI-5Sil MS	Column Dia:	0.25 mm

185 Phenanthrene

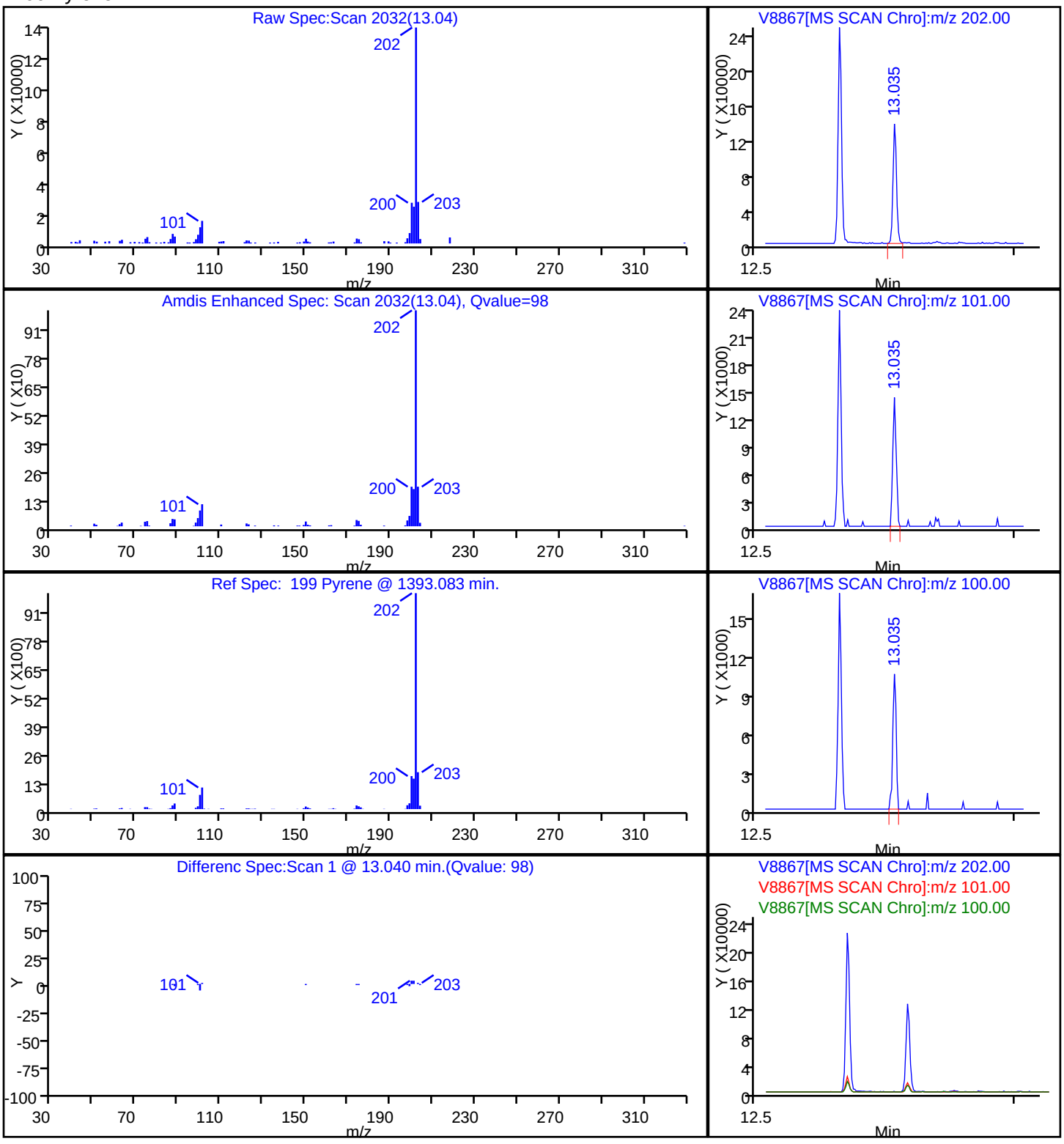


Report Date: 12-Apr-2012 10:40:44 Chrom Revision: 2.0 20-Feb-2012 13:27:02

Data File: \\Bufchrom\ChromData\HP5973V\20120411-10911.b\V8867.D

Injection Date:	11-Apr-2012 23:29:30	Limit Group:	MB - 8270C ICAL
Client ID:	RB-10 (12-24")	Instrument ID:	HP5973V
Lims Batch ID:	59155	Lims Sample ID:	9
Operator ID:	HL	Injection Vol:	1.00 ul
Column Type:	RXI-5Sil MS	Column Dia:	0.25 mm

199 Pyrene



Report Date: 12-Apr-2012 10:40:44 Chrom Revision: 2.0 20-Feb-2012 13:27:02

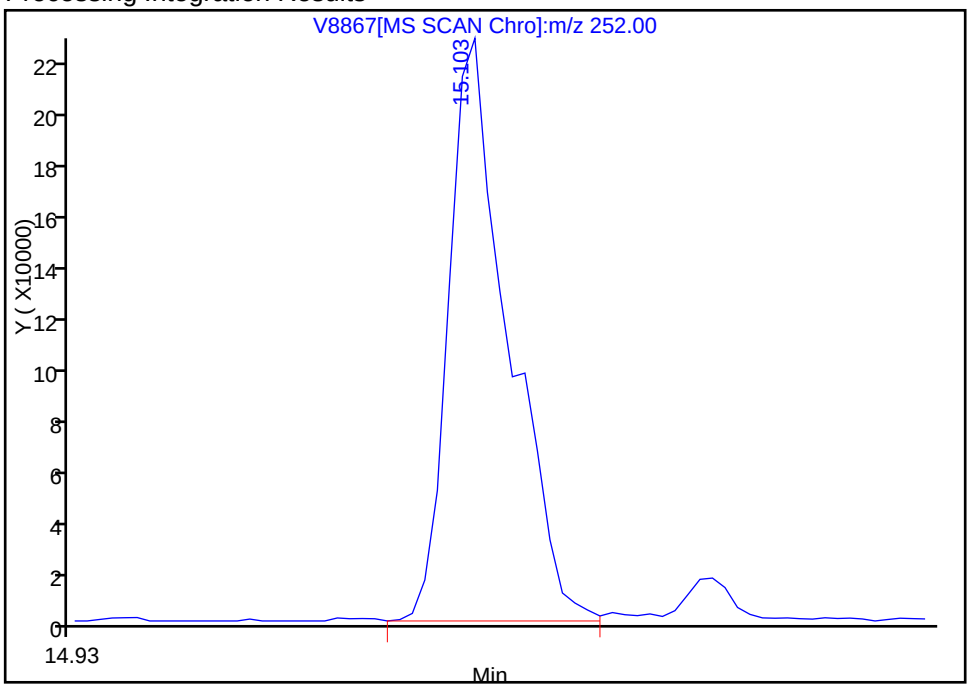
Manual Integration/User Assign Peak Report

Data File:	\\Bufchrom\ChromData\HP5973V\20120411-10911.b\V8867.D		
Injection Date:	11-Apr-2012 23:29:30	Limit Group:	MB - 8270C ICAL
Client ID:	RB-10 (12-24")	Instrument ID:	HP5973V
Lims Batch ID:	59155	Lims Sample ID:	9
Operator ID:	HL	Injection Vol:	1.00 ul
Column Type:	RXI-5Sil MS	Column Dia:	0.25 mm

213 Benzo[b]fluoranthene, Signal: 1, m/z: 252.0 Type: quant, RT: 15.10

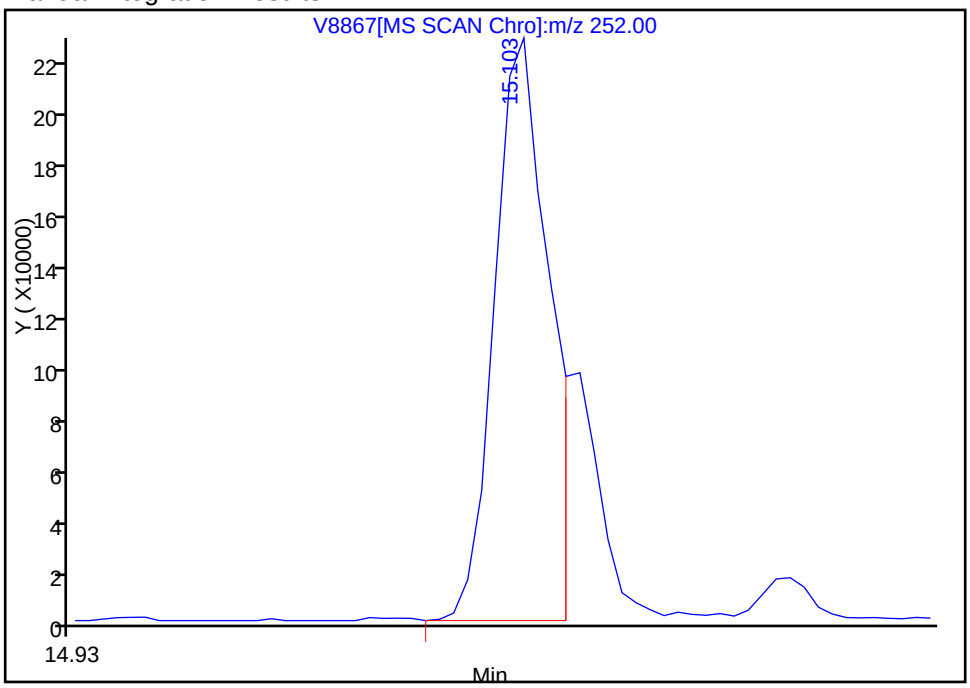
Processing Integration Results

RT: 15.10
Response: 392553
Amount: 29.245451



Manual Integration Results

RT: 15.10
Response: 324003
Amount: 24.138432



Reviewer: lyh, 12-Apr-2012 10:40:44
Audit Action: Split an Integrated Peak
Audit Reason: Coelution

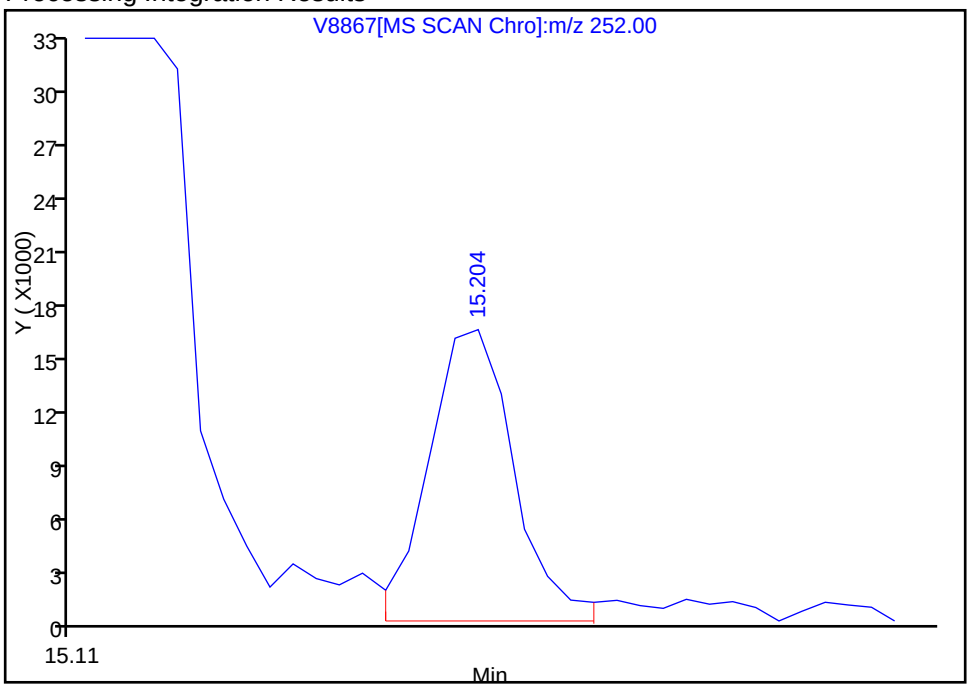
Manual Integration/User Assign Peak Report

Data File:	\\Bufchrom\ChromData\HP5973V\20120411-10911.b\V8867.D		
Injection Date:	11-Apr-2012 23:29:30	Limit Group:	MB - 8270C ICAL
Client ID:	RB-10 (12-24")	Instrument ID:	HP5973V
Lims Batch ID:	59155	Lims Sample ID:	9
Operator ID:	HL	Injection Vol:	1.00 ul
Column Type:	RXI-5Sil MS	Column Dia:	0.25 mm

214 Benzo[k]fluoranthene, Signal: 1, m/z: 252.0 Type: quant, RT: 15.13

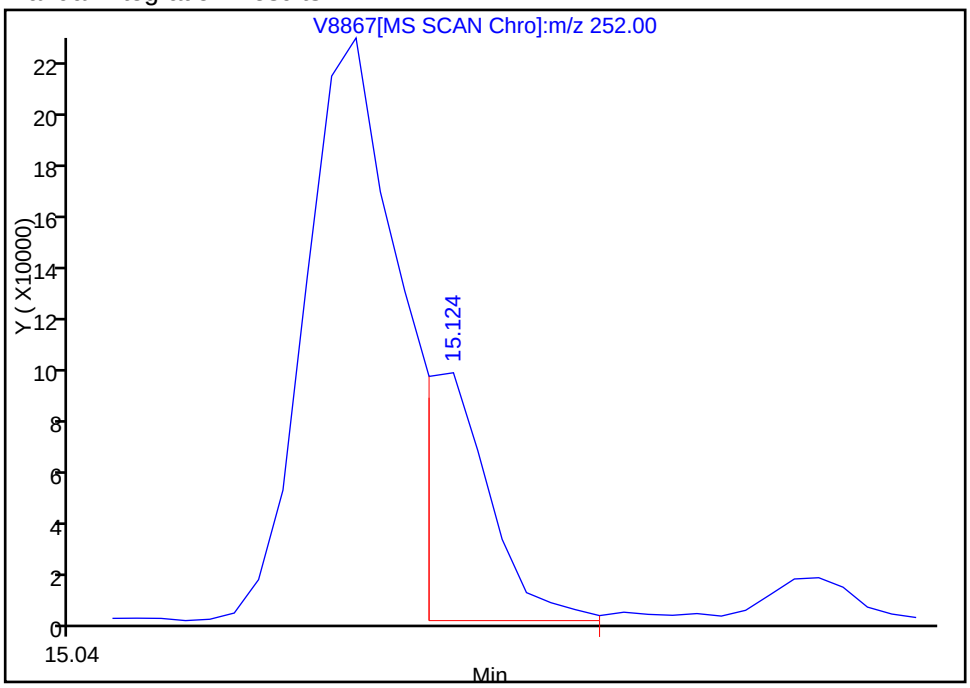
Processing Integration Results

RT: 15.20
Response: 22520
Amount: 1.462845



Manual Integration Results

RT: 15.12
Response: 98347
Amount: 6.388384



Reviewer: lyh, 12-Apr-2012 10:40:44
Audit Action: Split an Integrated Peak
Audit Reason: Coelution

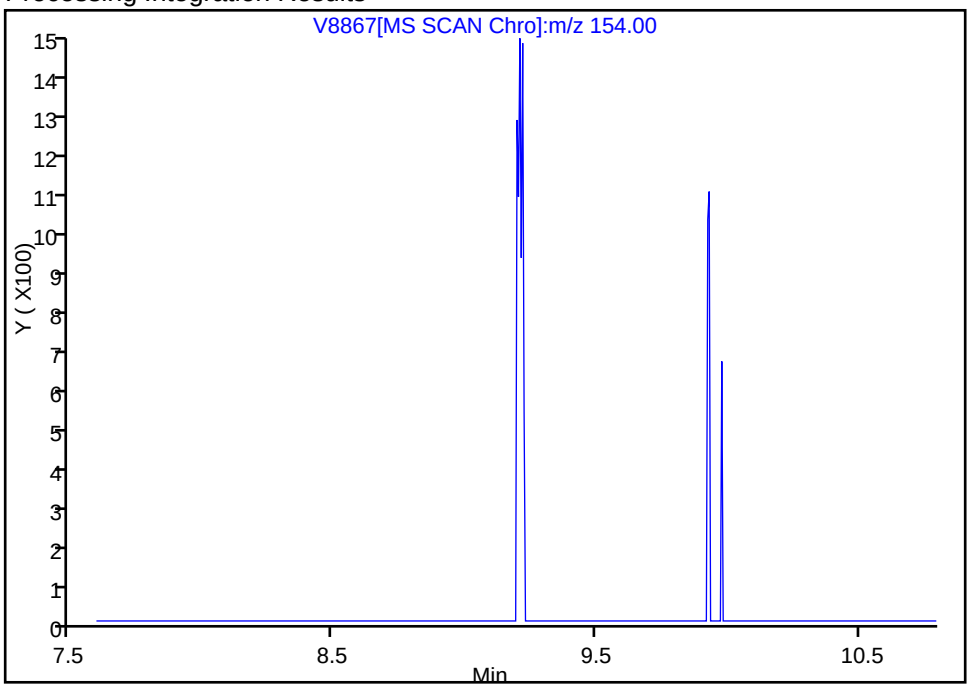
Manual Integration/User Assign Peak Report

Data File:	\\Bufchrom\ChromData\HP5973V\20120411-10911.b\V8867.D		
Injection Date:	11-Apr-2012 23:29:30	Limit Group:	MB - 8270C ICAL
Client ID:	RB-10 (12-24")	Instrument ID:	HP5973V
Lims Batch ID:	59155	Lims Sample ID:	9
Operator ID:	HL	Injection Vol:	1.00 ul
Column Type:	RXI-5Sil MS	Column Dia:	0.25 mm

144 1,1'-Biphenyl, Signal: 1, m/z: 154.0 Type: quant, RT: 9.19

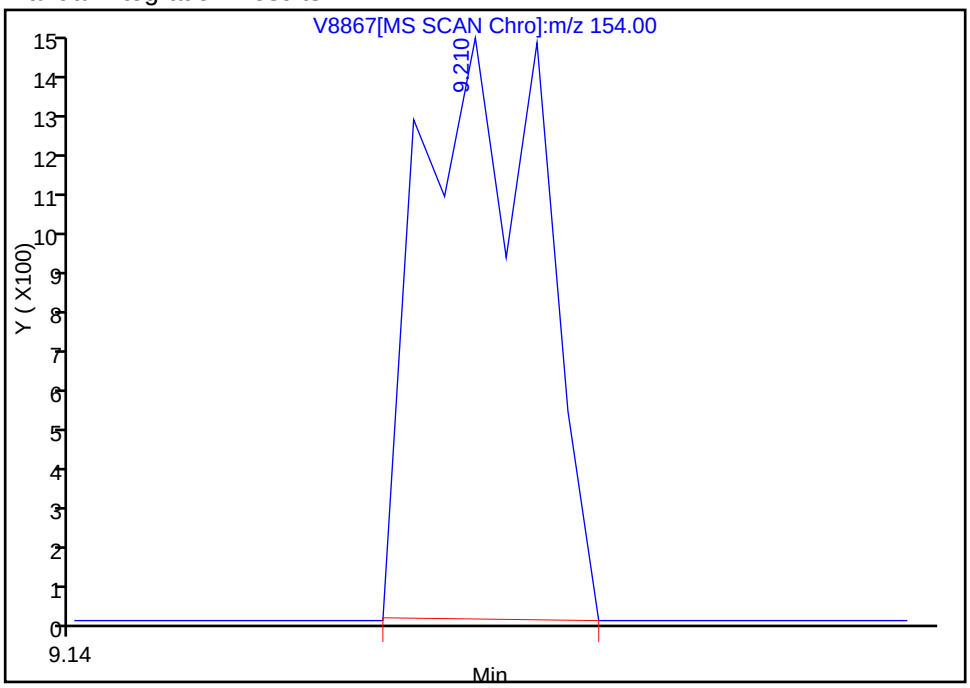
Not Detected
Expected RT: 9.19

Processing Integration Results



Manual Integration Results

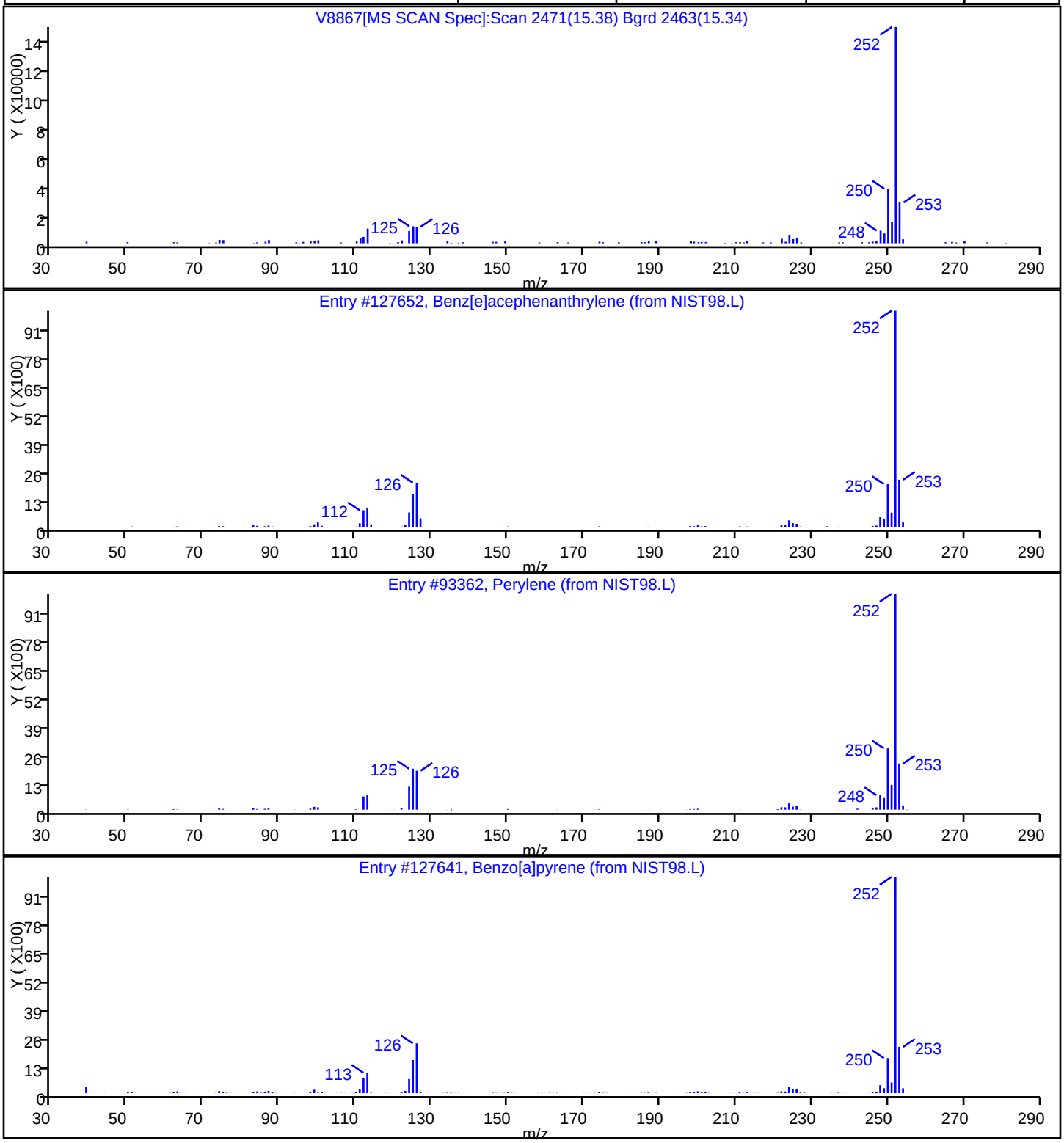
RT: 9.21
Response: 2098
Amount: 0.226086



Reviewer: lyh, 12-Apr-2012 10:40:44
Audit Action: Manually Integrated
Audit Reason: Assign Peak

Report Date: 12-Apr-2012 10:40:44 Chrom Revision: 2.0 20-Feb-2012 13:27:02
Data File: \\Bufchrom\ChromData\HP5973V\20120411-10911.b\V8867.D
Injection Date: 11-Apr-2012 23:29:30 Limit Group: MB - 8270C ICAL
Client ID: RB-10 (12-24") Instrument ID: HP5973V
Lims Batch ID: 59155 Lims Sample ID: 9
Operator ID: HL Injection Vol: 1.00 ul
Column Type: RXI-5Sil MS Column Dia: 0.25 mm

Library Search Compound Match	CAS Number	Library	Entry	Quality
Benz[e]acephenanthrylene	205-99-2	NIST98.L	127652	90
Perylene	198-55-0	NIST98.L	93362	90
Benzo[a]pyrene	50-32-8	NIST98.L	127641	89



FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Buffalo | Job No.: 480-18292-1

SDG No.:

Client Sample ID: RB-11 (0-6") | Lab Sample ID: 480-18292-3

Matrix: Solid | Lab File ID: V8868.D

Analysis Method: 8270C | Date Collected: 04/05/2012 17:00

Extract. Method: 3550B | Date Extracted: 04/10/2012 07:39

Sample wt/vol: +30.55(g) | Date Analyzed: 04/11/2012 23:53

Con. Extract Vol.: 1(mL) | Dilution Factor: 10

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

% Moisture: 6.1 | GPC Cleanup:(Y/N) N

Analysis Batch No.: 59155 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
95-95-4	2,4,5-Trichlorophenol	ND		1800	380
88-06-2	2,4,6-Trichlorophenol	ND		1800	120
120-83-2	2,4-Dichlorophenol	ND		1800	93
105-67-9	2,4-Dimethylphenol	ND		1800	480
51-28-5	2,4-Dinitrophenol	ND		3500	620
121-14-2	2,4-Dinitrotoluene	ND		1800	270
606-20-2	2,6-Dinitrotoluene	ND		1800	430
91-58-7	2-Chloronaphthalene	ND		1800	120
95-57-8	2-Chlorophenol	ND		1800	90
91-57-6	2-Methylnaphthalene	ND		1800	21
95-48-7	2-Methylphenol	ND		1800	54
88-74-4	2-Nitroaniline	ND		3500	570
88-75-5	2-Nitrophenol	ND		1800	81
91-94-1	3,3'-Dichlorobenzidine	ND		1800	1500
99-09-2	3-Nitroaniline	ND		3500	410
534-52-1	4,6-Dinitro-2-methylphenol	ND		3500	610
101-55-3	4-Bromophenyl phenyl ether	ND		1800	560
59-50-7	4-Chloro-3-methylphenol	ND		1800	73
106-47-8	4-Chloroaniline	ND		1800	520
7005-72-3	4-Chlorophenyl phenyl ether	ND		1800	38
106-44-5	4-Methylphenol	ND		3500	98
100-01-6	4-Nitroaniline	ND		3500	200
100-02-7	4-Nitrophenol	ND		3500	430
83-32-9	Acenaphthene	ND		1800	21
208-96-8	Acenaphthylene	ND		1800	14
98-86-2	Acetophenone	ND		1800	91
120-12-7	Anthracene	290	J	1800	45
1912-24-9	Atrazine	ND		1800	79
100-52-7	Benzaldehyde	ND		1800	190
56-55-3	Benzo(a)anthracene	1600	J	1800	30
50-32-8	Benzo(a)pyrene	1900		1800	43
205-99-2	Benzo(b)fluoranthene	2900		1800	34
191-24-2	Benzo(g,h,i)perylene	1300	J	1800	21
207-08-9	Benzo(k)fluoranthene	1300	J	1800	19

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Buffalo | Job No.: 480-18292-1

SDG No.:

Client Sample ID: RB-11 (0-6") | Lab Sample ID: 480-18292-3

Matrix: Solid | Lab File ID: V8868.D

Analysis Method: 8270C | Date Collected: 04/05/2012 17:00

Extract. Method: 3550B | Date Extracted: 04/10/2012 07:39

Sample wt/vol: +30.55(g) | Date Analyzed: 04/11/2012 23:53

Con. Extract Vol.: 1(mL) | Dilution Factor: 10

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

% Moisture: 6.1 | GPC Cleanup:(Y/N) N

Analysis Batch No.: 59155 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
92-52-4	Biphenyl	ND		1800	110
108-60-1	bis (2-chloroisopropyl) ether	ND		1800	180
111-91-1	Bis(2-chloroethoxy)methane	ND		1800	96
111-44-4	Bis(2-chloroethyl)ether	ND		1800	150
117-81-7	Bis(2-ethylhexyl) phthalate	ND		1800	570
85-68-7	Butyl benzyl phthalate	ND		1800	470
105-60-2	Caprolactam	ND		1800	760
86-74-8	Carbazole	ND		1800	20
218-01-9	Chrysene	1700	J	1800	18
53-70-3	Dibenz(a,h)anthracene	1400	J	1800	21
132-64-9	Dibenzofuran	ND		1800	18
84-66-2	Diethyl phthalate	ND		1800	53
131-11-3	Dimethyl phthalate	ND		1800	46
84-74-2	Di-n-butyl phthalate	ND		1800	610
117-84-0	Di-n-octyl phthalate	ND		1800	41
206-44-0	Fluoranthene	2000		1800	26
86-73-7	Fluorene	ND		1800	41
118-74-1	Hexachlorobenzene	ND		1800	88
87-68-3	Hexachlorobutadiene	ND		1800	90
77-47-4	Hexachlorocyclopentadiene	ND		1800	530
67-72-1	Hexachloroethane	ND		1800	140
193-39-5	Indeno(1,2,3-cd)pyrene	1300	J	1800	49
78-59-1	Isophorone	ND		1800	88
91-20-3	Naphthalene	ND		1800	29
98-95-3	Nitrobenzene	ND		1800	78
621-64-7	N-Nitrosodi-n-propylamine	ND		1800	140
86-30-6	N-Nitrosodiphenylamine	ND		1800	96
87-86-5	Pentachlorophenol	ND		3500	610
85-01-8	Phenanthrene	790	J	1800	37
108-95-2	Phenol	ND		1800	190
129-00-0	Pyrene	2000		1800	11

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Buffalo | Job No.: 480-18292-1

SDG No.:

Client Sample ID: RB-11 (0-6") | Lab Sample ID: 480-18292-3

Matrix: Solid | Lab File ID: V8868.D

Analysis Method: 8270C | Date Collected: 04/05/2012 17:00

Extract. Method: 3550B | Date Extracted: 04/10/2012 07:39

Sample wt/vol: +30.55(g) | Date Analyzed: 04/11/2012 23:53

Con. Extract Vol.: 1(mL) | Dilution Factor: 10

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

% Moisture: 6.1 | GPC Cleanup:(Y/N) N

Analysis Batch No.: 59155 | Units: ug/Kg

CAS NO.	SURROGATE	%REC	Q	LIMITS
118-79-6	2,4,6-Tribromophenol	78		39-146
321-60-8	2-Fluorobiphenyl	81		37-120
367-12-4	2-Fluorophenol	71		18-120
4165-60-0	Nitrobenzene-d5	70		34-132
4165-62-2	Phenol-d5	71		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.: 480-18292-1

SDG No.:

Client Sample ID: RB-11 (0-6") | Lab Sample ID: 480-18292-3

Matrix: Solid | Lab File ID: V8868.D

Analysis Method: 8270C | Date Collected: 04/05/2012 17:00

Extract. Method: 3550B | Date Extracted: 04/10/2012 07:39

Sample wt/vol: +30.55(g) | Date Analyzed: 04/11/2012 23:53

Con. Extract Vol.: 1(mL) | Dilution Factor: 10

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

% Moisture: 6.1 | GPC Cleanup:(Y/N) N

Analysis Batch No.: 59155 | Units: ug/Kg

Number TICs Found: 1 | TIC Result Total: 1600

CAS NO.	COMPOUND NAME	RT	RESULT	Q
207-8-9	Benzo[k]fluoranthene	15.38	1600	T J N

TestAmerica Laboratories
Target Compound Quantitation Report

Data File:	\\Bufchrom\ChromData\HP5973V\20120411-10911.b\V8868.D		
Lims ID:	480-18292-B-3-A	Client ID:	RB-11 (0-6")
Inject. Date:	11-Apr-2012 23:53:30	Dil. Factor:	10.0000
Sample Type:	Client		
Sample ID:	480-0010911-010		
Misc. Info.:	480-18292-B-3-A		
Operator:	HL	Instrument ID:	HP5973V
Vol. Injected:	1.0000	ALS Bottle#:	33
Lims Batch ID:	59155	Lims Sample ID:	10
Detector:	MS SCAN		
Method:	\\Bufchrom\ChromData\HP5973V\20120411-10911.b\V-8270.m		
Last Update:	12-Apr-2012 10:44:37	Calib Date:	09-Apr-2012 16:15:30
Quant Method:	Internal Standard	Quant By:	Initial Calibration
Last ICal File:	\\Bufchrom\ChromData\HP5973V\20120409-10827.b\V8763.D		
Limit Group:	MB - 8270C ICAL		
Integrator:	RTE	ID Type:	Deconvolution ID
Process Host:	CORP-CTX-19		
First Level Reviewer: lyh		Date:	12-Apr-2012 10:44:37

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ng/uL	Flags
* 1 1,4-Dichlorobenzene-d4	152	6.010	6.005	0.005	97	113859	40.0	
* 2 Naphthalene-d8	136	7.661	7.661	0.0	99	449842	40.0	
* 3 Acenaphthene-d10	164	9.926	9.926	0.0	90	285218	40.0	
* 4 Phenanthrene-d10	188	11.625	11.625	0.0	97	470850	40.0	
* 5 Chrysene-d12	240	14.114	14.120	-0.006	97	478429	40.0	
* 6 Perylene-d12	264	15.498	15.498	0.0	99	505225	40.0	
$ 9 2-Fluorophenol	112	4.317	4.317	0.0	68	41859	10.7	
$ 10 Phenol-d5	99	5.540	5.535	0.005	73	55296	10.6	
$ 11 Nitrobenzene-d5	82	6.742	6.737	0.005	66	33405	7.00	
$ 12 2-Fluorobiphenyl	172	9.071	9.066	0.005	92	72745	8.11	
$ 13 2,4,6-Tribromophenol	330	10.893	10.877	0.016	40	11096	11.7	
$ 14 p-Terphenyl-d14	244	13.169	13.169	0.0	92	101529	9.77	
88 Benzaldehyde	77		5.444					
89 Phenol	94		5.551					
91 Bis(2-chloroethyl)ether	93		5.668					
93 2-Chlorophenol	128		5.732					
98 2-Methylphenol	108		6.341					
99 2,2'-oxybis[1-chloropropane]	45		6.368					
104 Acetophenone	105		6.539					
101 N-Nitrosodi-n-propylamine	70		6.544					
102 4-Methylphenol	108		6.550					
106 Hexachloroethane	117		6.662					
107 Nitrobenzene	77		6.758					
110 Isophorone	82		7.073					
111 2-Nitrophenol	139		7.175					
112 2,4-Dimethylphenol	107		7.244					
115 Bis(2-chloroethoxy)methane	93		7.362					
117 2,4-Dichlorophenol	162		7.490					
121 Naphthalene	128		7.693					
123 4-Chloroaniline	127		7.778					
126 Hexachlorobutadiene	225		7.853					

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ng/uL	Flags
127 Caprolactam	113		8.222					
131 4-Chloro-3-methylphenol	107		8.414					
133 2-Methylnaphthalene	142		8.590					
136 Hexachlorocyclopentadiene	237		8.788					
139 2,4,6-Trichlorophenol	196		8.959					
140 2,4,5-Trichlorophenol	196		9.012					
144 1,1'-Biphenyl	154		9.194					
143 2-Chloronaphthalene	162		9.215					
145 2-Nitroaniline	65		9.370					
147 Dimethyl phthalate	163		9.605					
148 2,6-Dinitrotoluene	165		9.686					
149 Acenaphthylene	152		9.750					
150 3-Nitroaniline	138		9.910					
151 Acenaphthene	153		9.969					
152 2,4-Dinitrophenol	184		10.044					
153 4-Nitrophenol	109		10.150					
155 Dibenzofuran	168		10.182					
154 2,4-Dinitrotoluene	165		10.193					
160 Diethyl phthalate	149		10.482					
161 Fluorene	166		10.594					
162 4-Chlorophenyl phenyl ether	204		10.599					
164 4-Nitroaniline	138		10.653					
166 4,6-Dinitro-2-methylphenol	198		10.679					
167 N-Nitrosodiphenylamine	169		10.743					
176 4-Bromophenyl phenyl ether	248		11.149					
177 Hexachlorobenzene	284		11.213					
180 Atrazine	200		11.347					
181 Pentachlorophenol	266		11.433					
185 Phenanthrene	178	11.652	11.652	0.0	44	28929	2.28	
188 Anthracene	178	11.721	11.705	0.016	1	10654	0.8302	
189 Carbazole	167		11.881					
192 Di-n-butyl phthalate	149		12.218					
197 Fluoranthene	202	12.827	12.827	0.0	92	79566	5.74	
199 Pyrene	202	13.035	13.041	-0.006	98	82291	5.86	
205 Butyl benzyl phthalate	149		13.596					
210 Bis(2-ethylhexyl) phthalate	149		14.077					
208 3,3'-Dichlorobenzidine	252		14.082					
209 Benzo[a]anthracene	228	14.109	14.109	0.0	80	59374	4.46	
211 Chrysene	228	14.136	14.146	-0.010	81	67202	4.95	
212 Di-n-octyl phthalate	149		14.643					
213 Benzo[b]fluoranthene	252	15.103	15.103	0.0	88	118944	8.25	
214 Benzo[k]fluoranthene	252	15.119	15.135	-0.016	1	60931	3.68	M
217 Benzo[a]pyrene	252	15.434	15.439	-0.005	56	68349	5.43	
219 Indeno[1,2,3-cd]pyrene	276	16.748	16.759	-0.011	93	48739	3.61	
220 Dibenz(a,h)anthracene	278	16.748	16.764	-0.016	1	14475	4.06	M
221 Benzo[g,h,i]perylene	276	17.111	17.122	-0.011	75	40788	3.63	

QC Flag Legend

Review Flags
M - Manually Integrated

TestAmerica Laboratories
Tentatively Identified Quantitation Report

Data File:	\\Bufchrom\ChromData\HP5973V\20120411-10911.b\V8868.D		
Lims ID:	480-18292-B-3-A	Client ID:	RB-11 (0-6")
Inject. Date:	11-Apr-2012 23:53:30	Dil. Factor:	10.0000
Sample Type:	Client		
Sample ID:	480-0010911-010		
Misc. Info.:	480-18292-B-3-A		
Operator:	HL	Instrument ID:	HP5973V
Vol. Injected:	1.0000	ALS Bottle#:	33
Lims Batch ID:	59155	Lims Sample ID:	10
Detector:	MS SCAN		
Method:	\\Bufchrom\ChromData\HP5973V\20120411-10911.b\V-8270.m		
Last Update:	12-Apr-2012 10:44:37	Calib Date:	09-Apr-2012 16:15:30
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: lyh		Date:	12-Apr-2012 10:44:37

Calibrated Tentative Identified Compound Results

Compound	RT	Response	Amount ng/uL	Flags
Anthraquinone	12.474	661	0.1785	

Tentative Identified Compound Results

RT	Response	Amount ng/uL	Quant Cpnd	Qual	Lib Entry	Flags
207-8-9 Benzo[k]fluoranthene						
15.380	157285	4.59	6	94	93384	

Quantitation Compounds

Compound	RT	Response	Amount ng/uL
* 6 Perylene-d12	15.498	1371119	40.0

QC Flag Legend

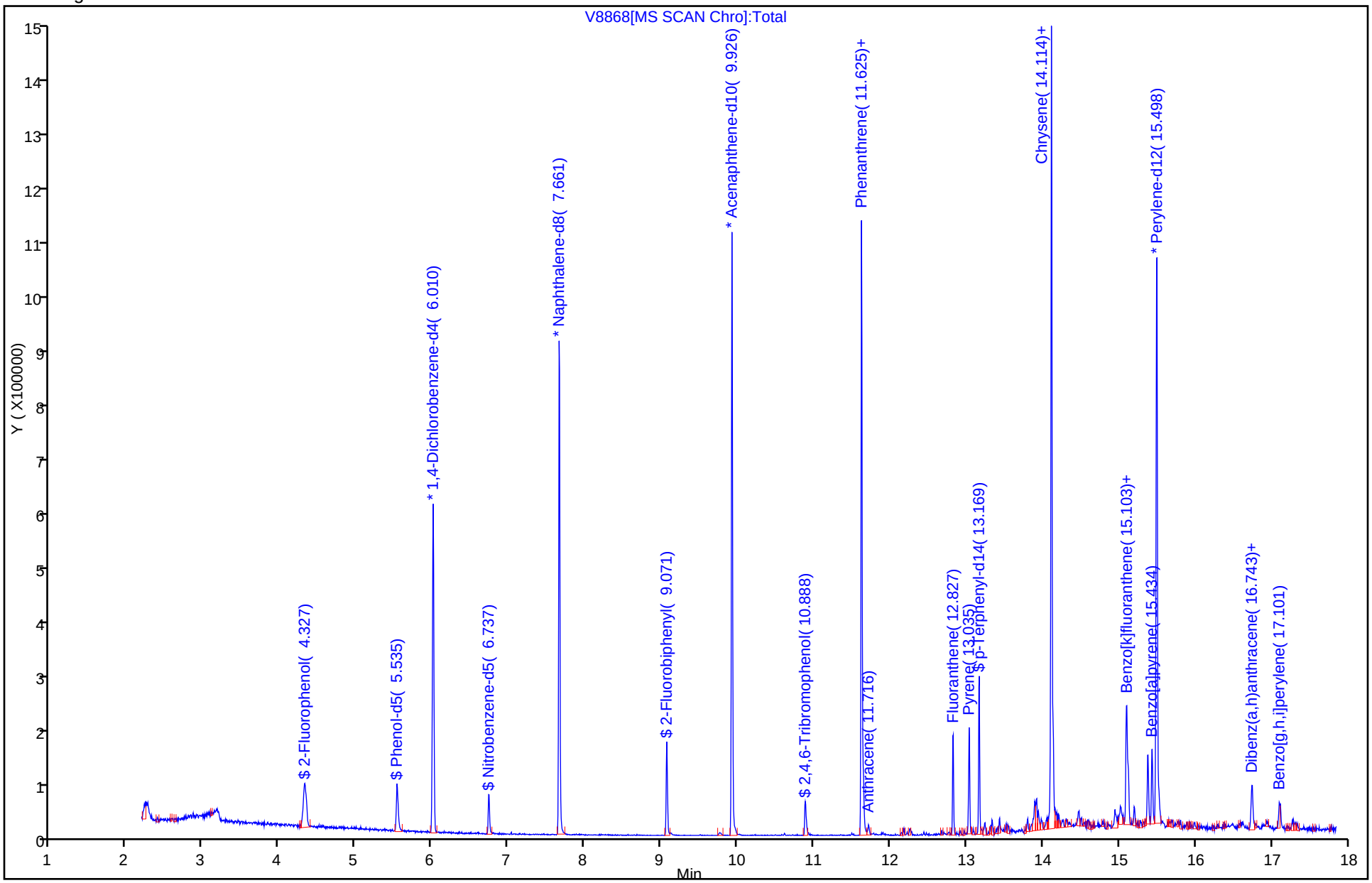
Processing Flags

Report Date: 12-Apr-2012 10:44:37 Chrom Revision: 2.0 20-Feb-2012 13:27:02

Data File: \\Bufchrom\ChromData\HP5973V\20120411-10911.b\V8868.D

Injection Date:	11-Apr-2012 23:53:30	Limit Group:	MB - 8270C ICAL
Client ID:	RB-11 (0-6")	Instrument ID:	HP5973V
Lims Batch ID:	59155	Lims Sample ID:	10
Operator ID:	HL	Injection Vol:	1.00 ul
Column Type:	RXI-5Sil MS	Column Dia:	0.25 mm

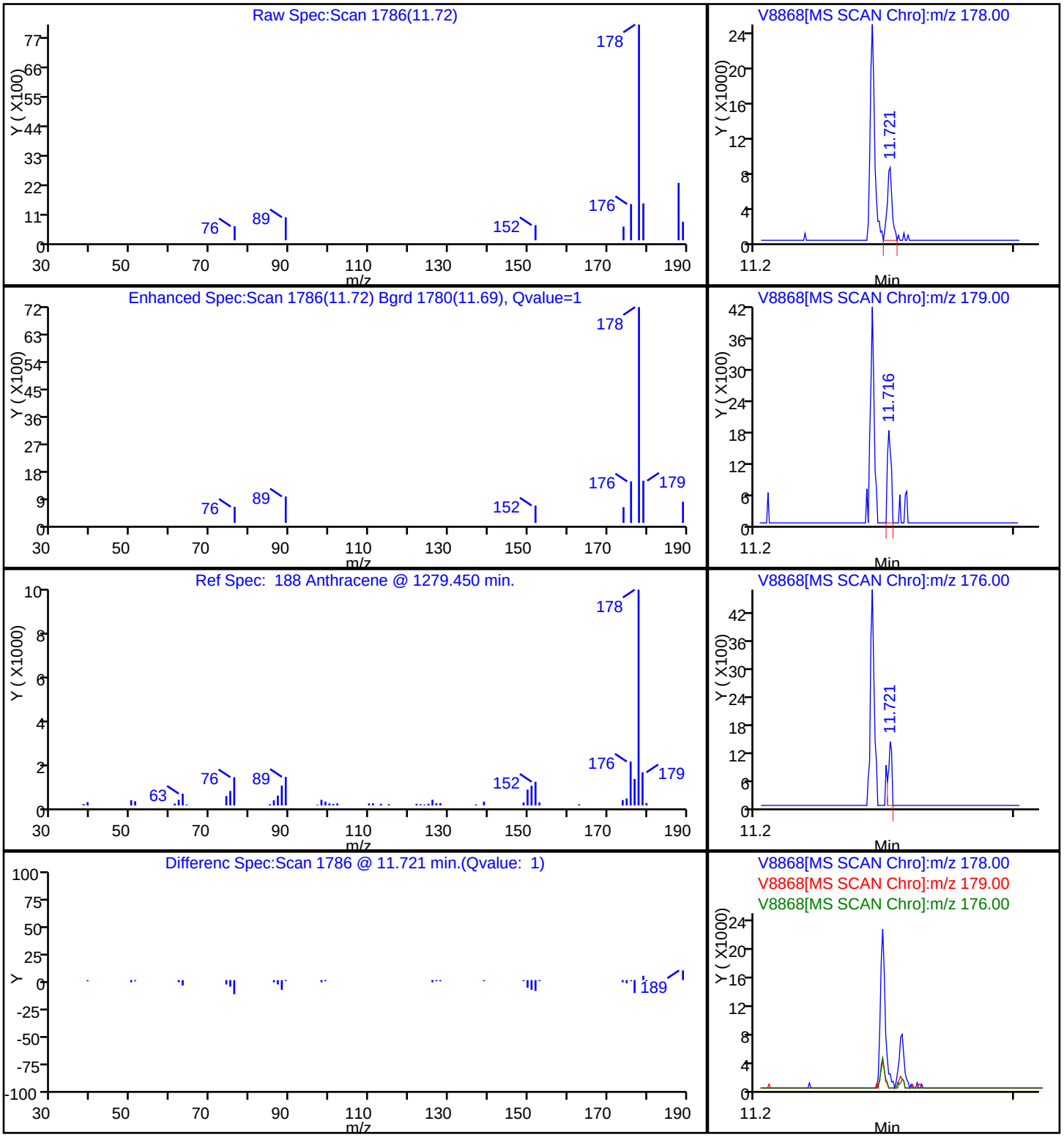
Y Scaling:



Report Date: 12-Apr-2012 10:44:37 Chrom Revision: 2.0 20-Feb-2012 13:27:02

Data File:	\\Bufchrom\ChromData\HP5973V\20120411-10911.b\V8868.D		
Injection Date:	11-Apr-2012 23:53:30	Limit Group:	MB - 8270C ICAL
Client ID:	RB-11 (0-6")	Instrument ID:	HP5973V
Lims Batch ID:	59155	Lims Sample ID:	10
Operator ID:	HL	Injection Vol:	1.00 ul
Column Type:	RXI-5Sil MS	Column Dia:	0.25 mm

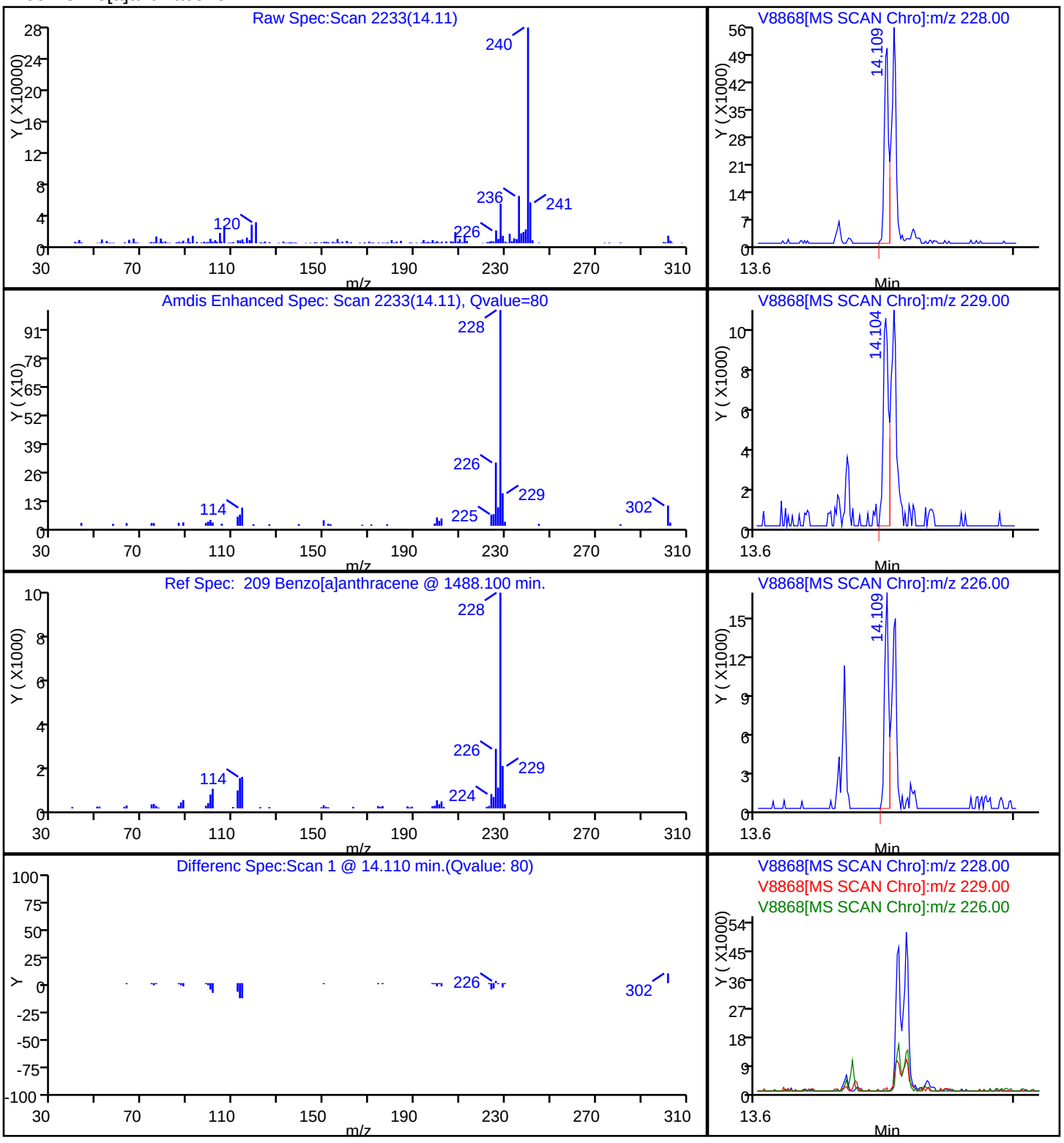
188 Anthracene



Report Date: 12-Apr-2012 10:44:37 Chrom Revision: 2.0 20-Feb-2012 13:27:02

Data File:	\\Bufchrom\ChromData\HP5973V\20120411-10911.b\V8868.D		
Injection Date:	11-Apr-2012 23:53:30	Limit Group:	MB - 8270C ICAL
Client ID:	RB-11 (0-6")	Instrument ID:	HP5973V
Lims Batch ID:	59155	Lims Sample ID:	10
Operator ID:	HL	Injection Vol:	1.00 ul
Column Type:	RXI-5Sil MS	Column Dia:	0.25 mm

209 Benzo[a]anthracene

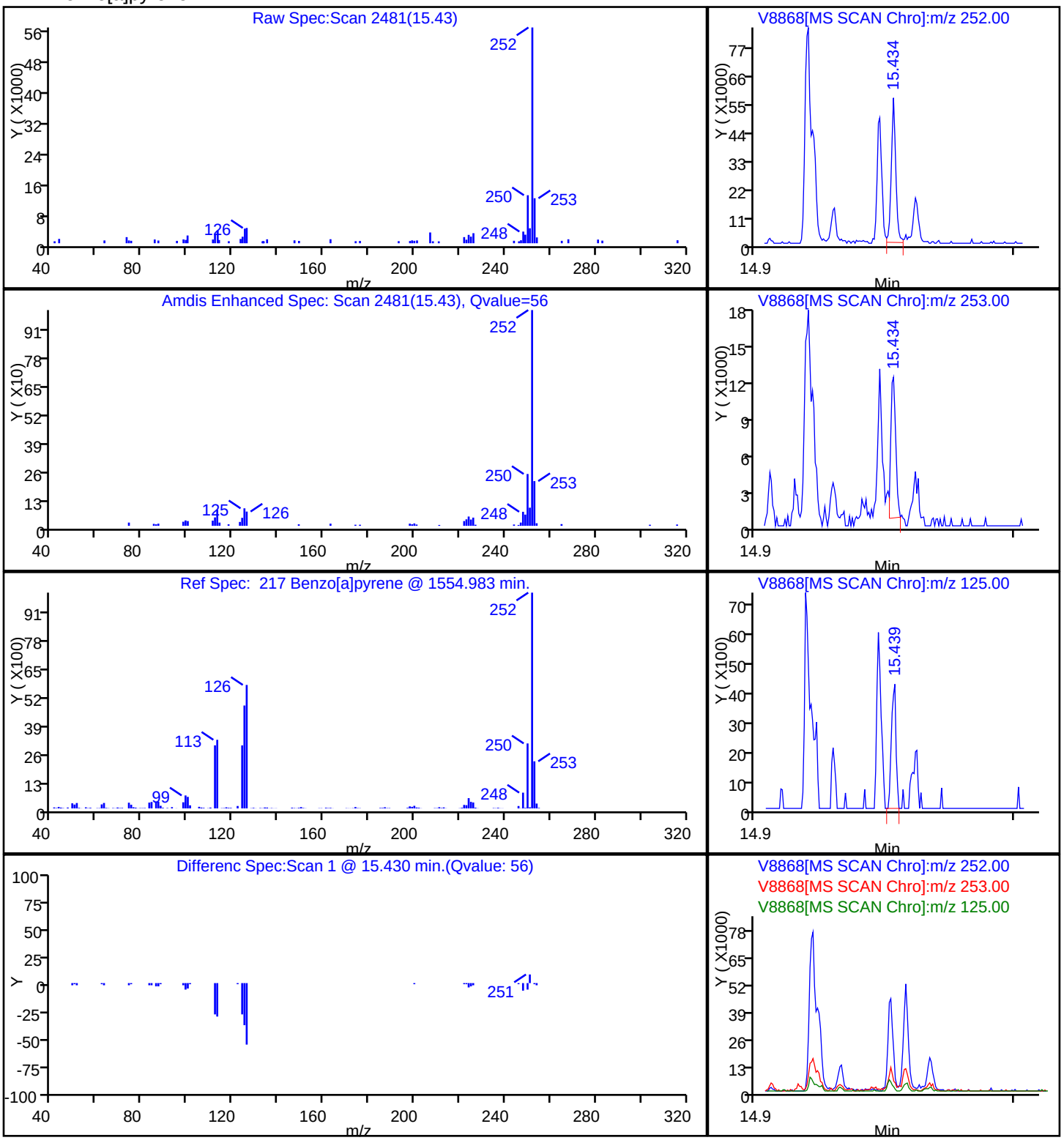


Report Date: 12-Apr-2012 10:44:37 Chrom Revision: 2.0 20-Feb-2012 13:27:02

Data File: \\Bufchrom\ChromData\HP5973V\20120411-10911.b\V8868.D

Injection Date:	11-Apr-2012 23:53:30	Limit Group:	MB - 8270C ICAL
Client ID:	RB-11 (0-6")	Instrument ID:	HP5973V
Lims Batch ID:	59155	Lims Sample ID:	10
Operator ID:	HL	Injection Vol:	1.00 ul
Column Type:	RXI-5Sil MS	Column Dia:	0.25 mm

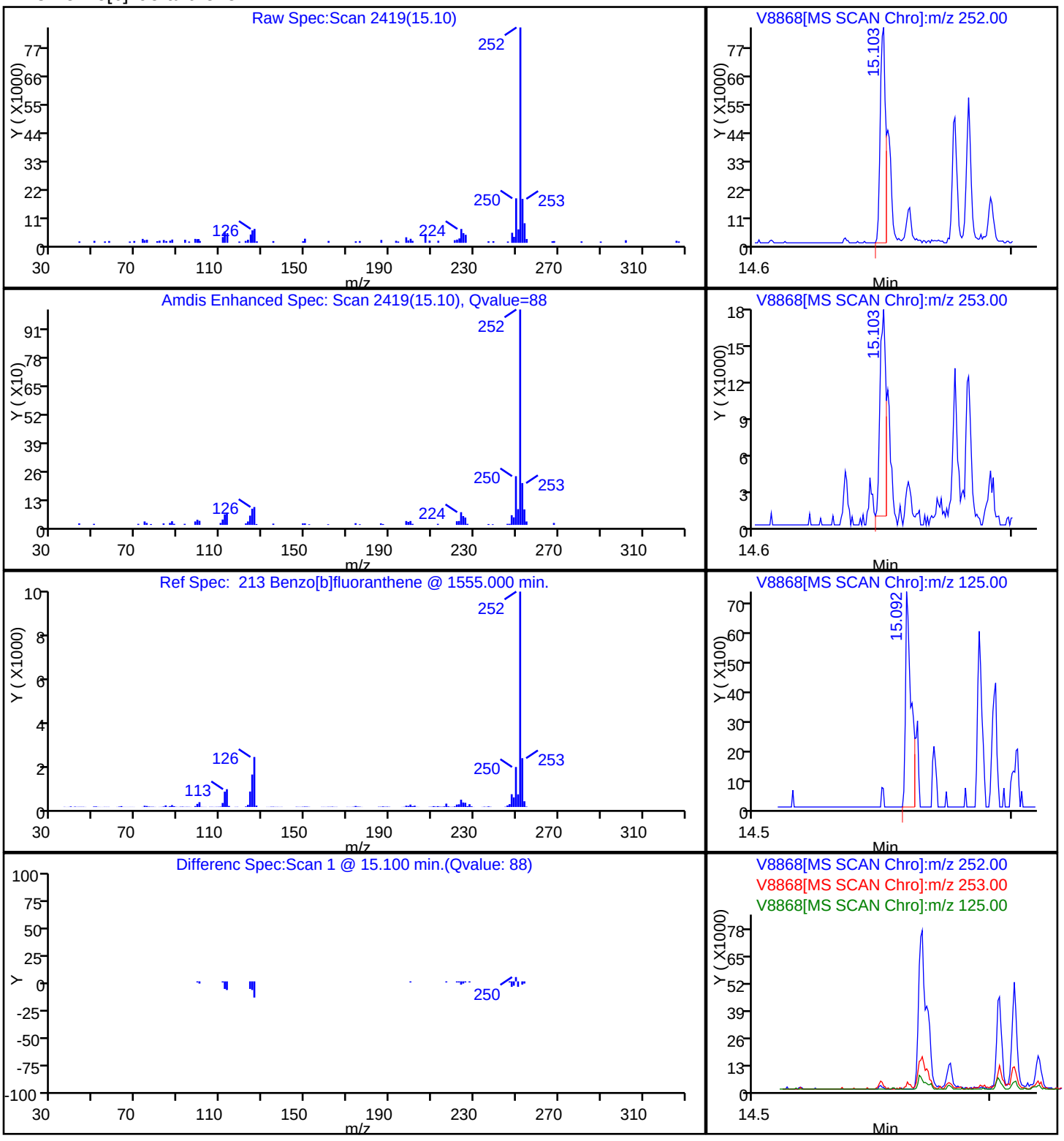
217 Benzo[a]pyrene



Report Date: 12-Apr-2012 10:44:37 Chrom Revision: 2.0 20-Feb-2012 13:27:02

Data File:	\\Bufchrom\ChromData\HP5973V\20120411-10911.b\V8868.D		
Injection Date:	11-Apr-2012 23:53:30	Limit Group:	MB - 8270C ICAL
Client ID:	RB-11 (0-6")	Instrument ID:	HP5973V
Lims Batch ID:	59155	Lims Sample ID:	10
Operator ID:	HL	Injection Vol:	1.00 ul
Column Type:	RXI-5Sil MS	Column Dia:	0.25 mm

213 Benzo[b]fluoranthene

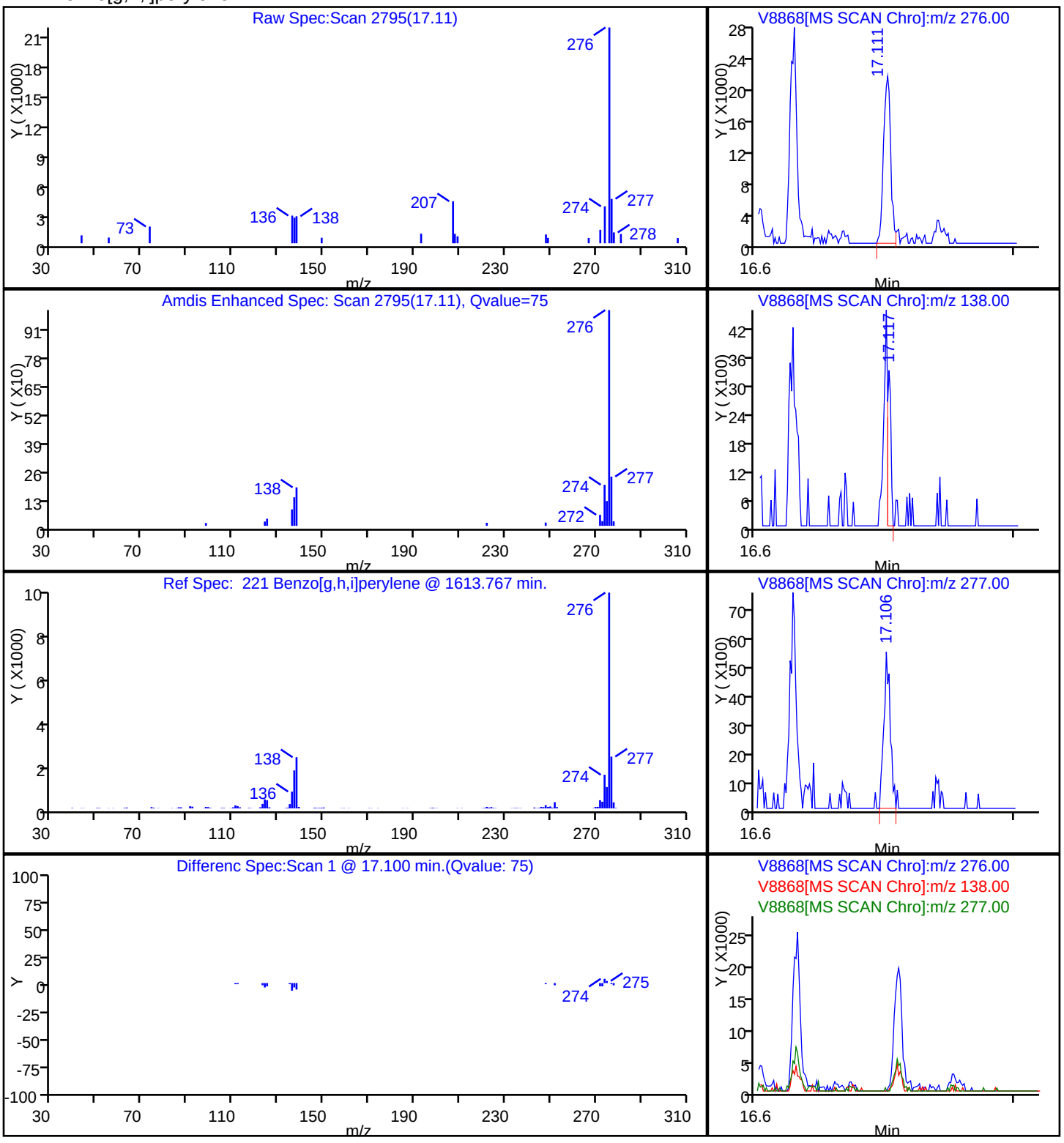


Report Date: 12-Apr-2012 10:44:37 Chrom Revision: 2.0 20-Feb-2012 13:27:02

Data File: \\Bufchrom\ChromData\HP5973V\20120411-10911.b\V8868.D

Injection Date:	11-Apr-2012 23:53:30	Limit Group:	MB - 8270C ICAL
Client ID:	RB-11 (0-6")	Instrument ID:	HP5973V
Lims Batch ID:	59155	Lims Sample ID:	10
Operator ID:	HL	Injection Vol:	1.00 ul
Column Type:	RXI-5Sil MS	Column Dia:	0.25 mm

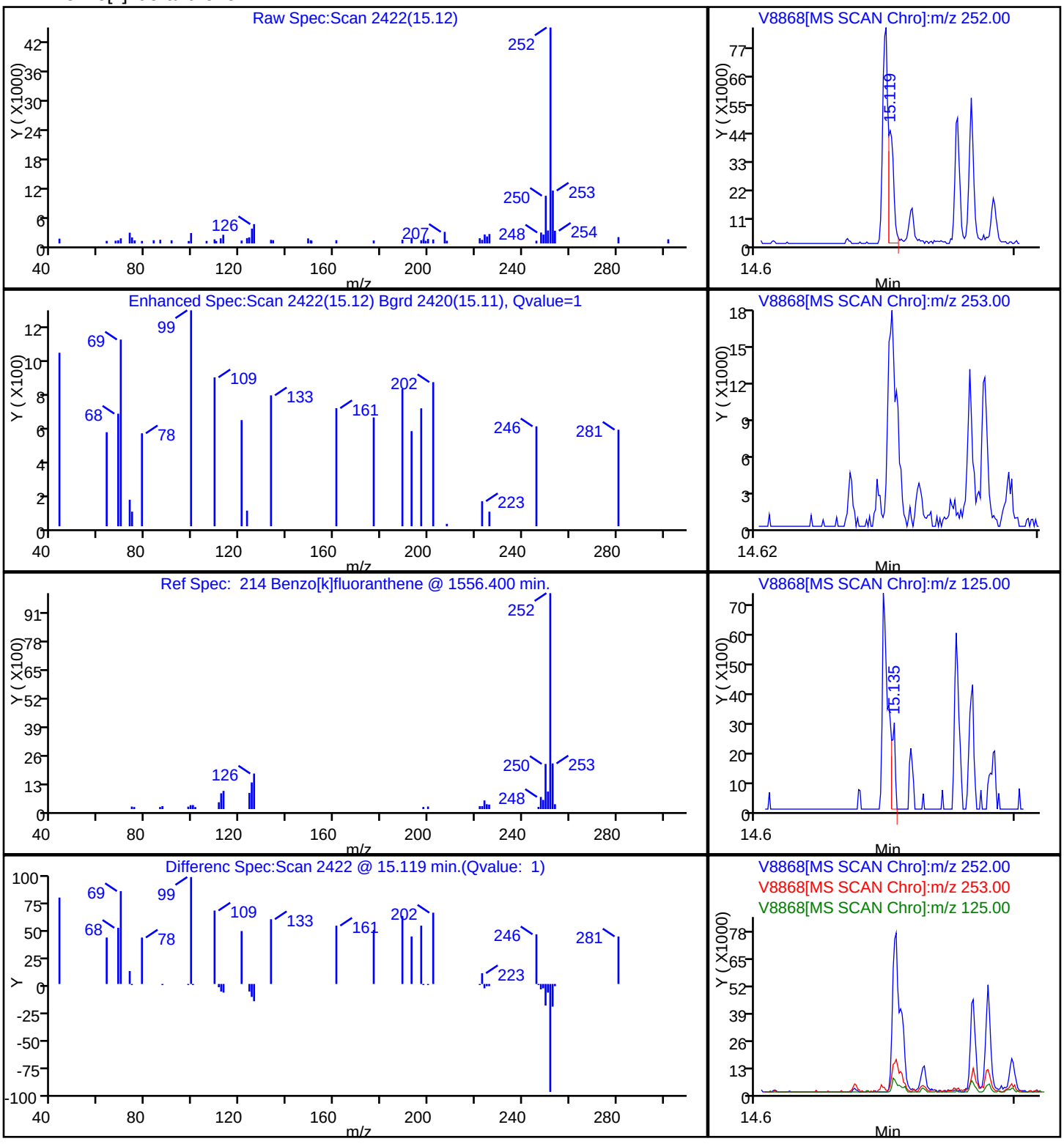
221 Benzo[g,h,i]perylene



Report Date: 12-Apr-2012 10:44:37 Chrom Revision: 2.0 20-Feb-2012 13:27:02

Data File:	\\Bufchrom\ChromData\HP5973V\20120411-10911.b\V8868.D		
Injection Date:	11-Apr-2012 23:53:30	Limit Group:	MB - 8270C ICAL
Client ID:	RB-11 (0-6")	Instrument ID:	HP5973V
Lims Batch ID:	59155	Lims Sample ID:	10
Operator ID:	HL	Injection Vol:	1.00 ul
Column Type:	RXI-5Sil MS	Column Dia:	0.25 mm

214 Benzo[k]fluoranthene

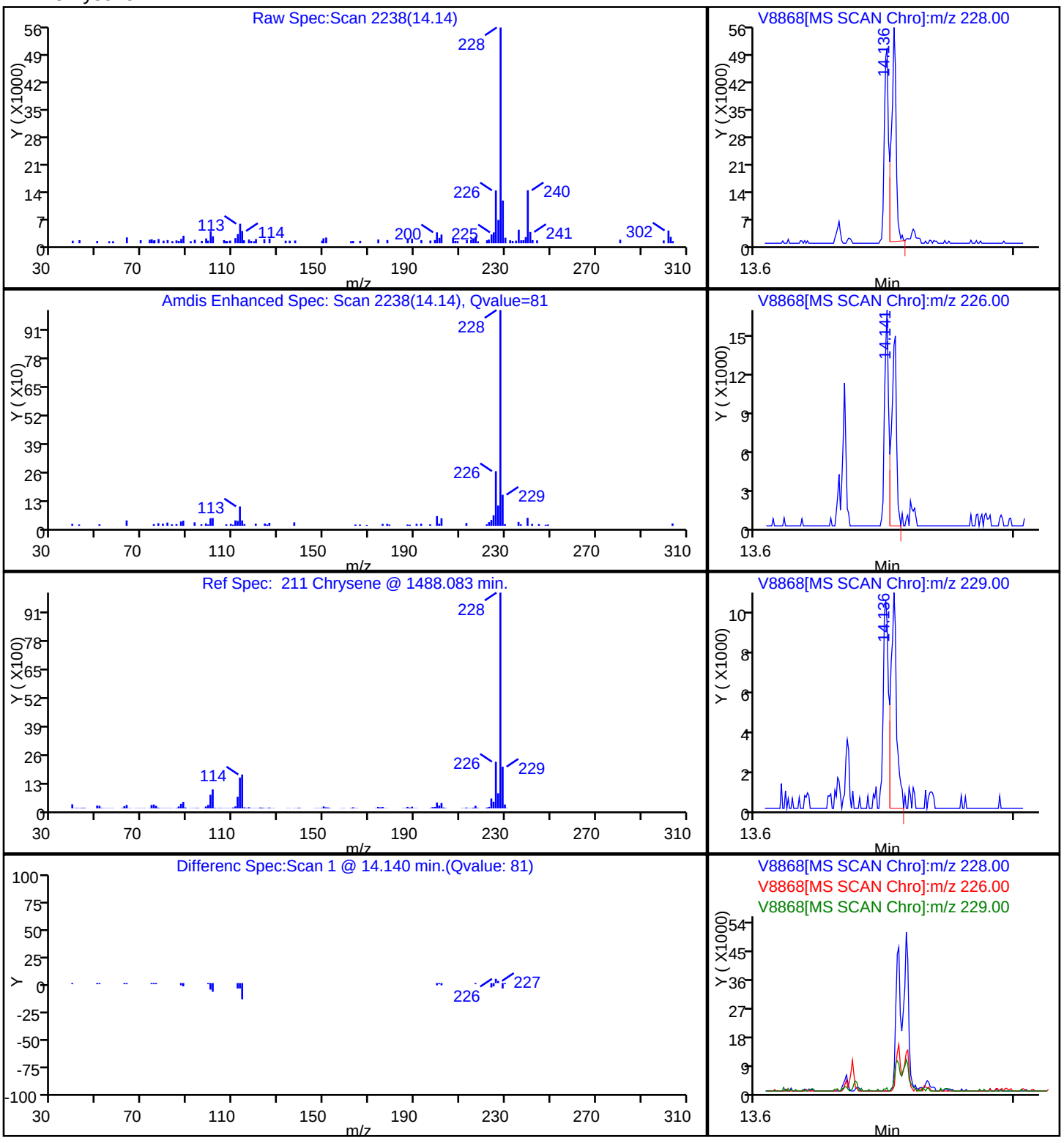


Report Date: 12-Apr-2012 10:44:37 Chrom Revision: 2.0 20-Feb-2012 13:27:02

Data File: \\Bufchrom\ChromData\HP5973V\20120411-10911.b\V8868.D

Injection Date:	11-Apr-2012 23:53:30	Limit Group:	MB - 8270C ICAL
Client ID:	RB-11 (0-6")	Instrument ID:	HP5973V
Lims Batch ID:	59155	Lims Sample ID:	10
Operator ID:	HL	Injection Vol:	1.00 ul
Column Type:	RXI-5Sil MS	Column Dia:	0.25 mm

211 Chrysene

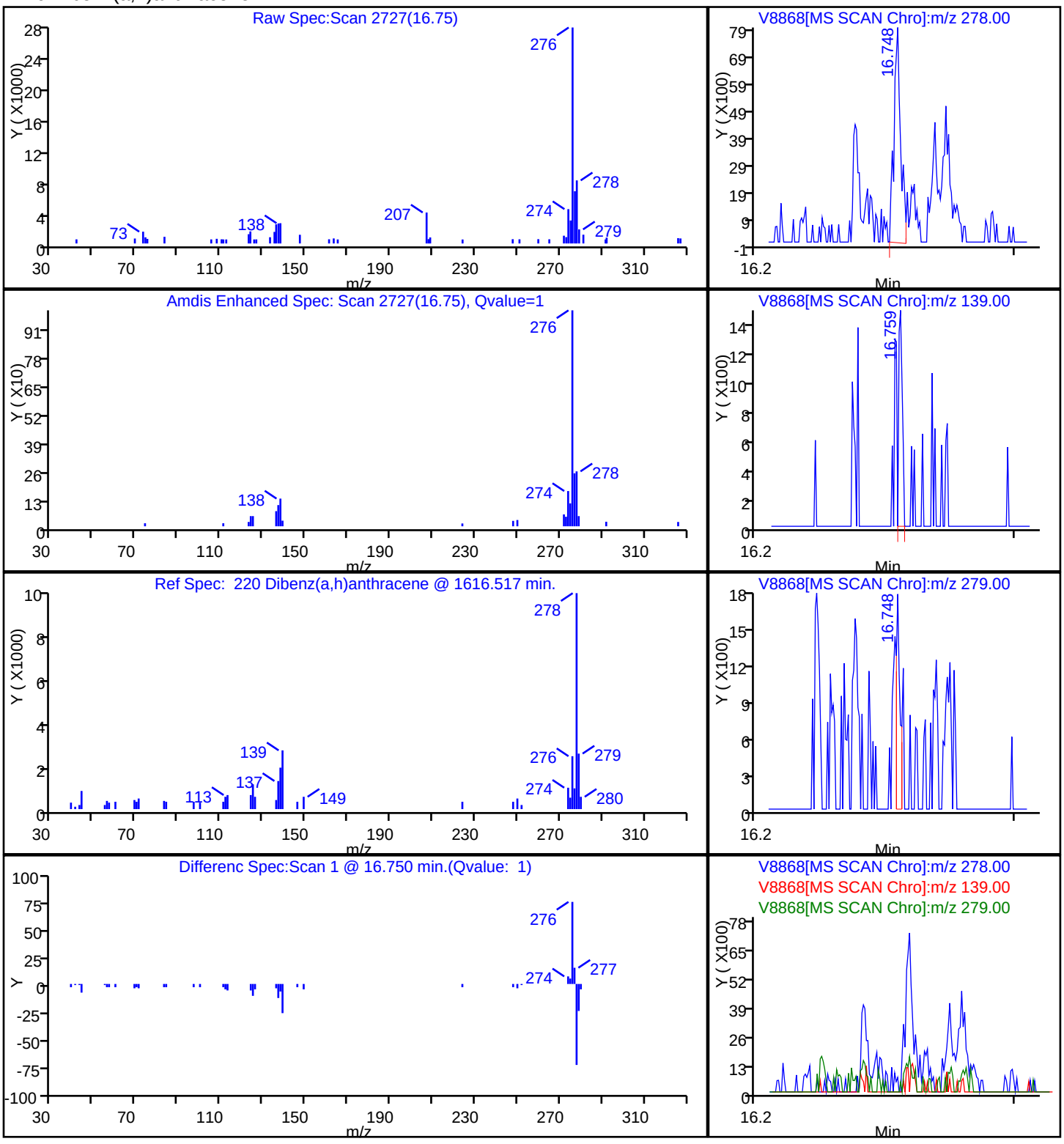


Report Date: 12-Apr-2012 10:44:37 Chrom Revision: 2.0 20-Feb-2012 13:27:02

Data File: \\Bufchrom\ChromData\HP5973V\20120411-10911.b\V8868.D

Injection Date:	11-Apr-2012 23:53:30	Limit Group:	MB - 8270C ICAL
Client ID:	RB-11 (0-6")	Instrument ID:	HP5973V
Lims Batch ID:	59155	Lims Sample ID:	10
Operator ID:	HL	Injection Vol:	1.00 ul
Column Type:	RXI-5Sil MS	Column Dia:	0.25 mm

220 Dibenz(a,h)anthracene

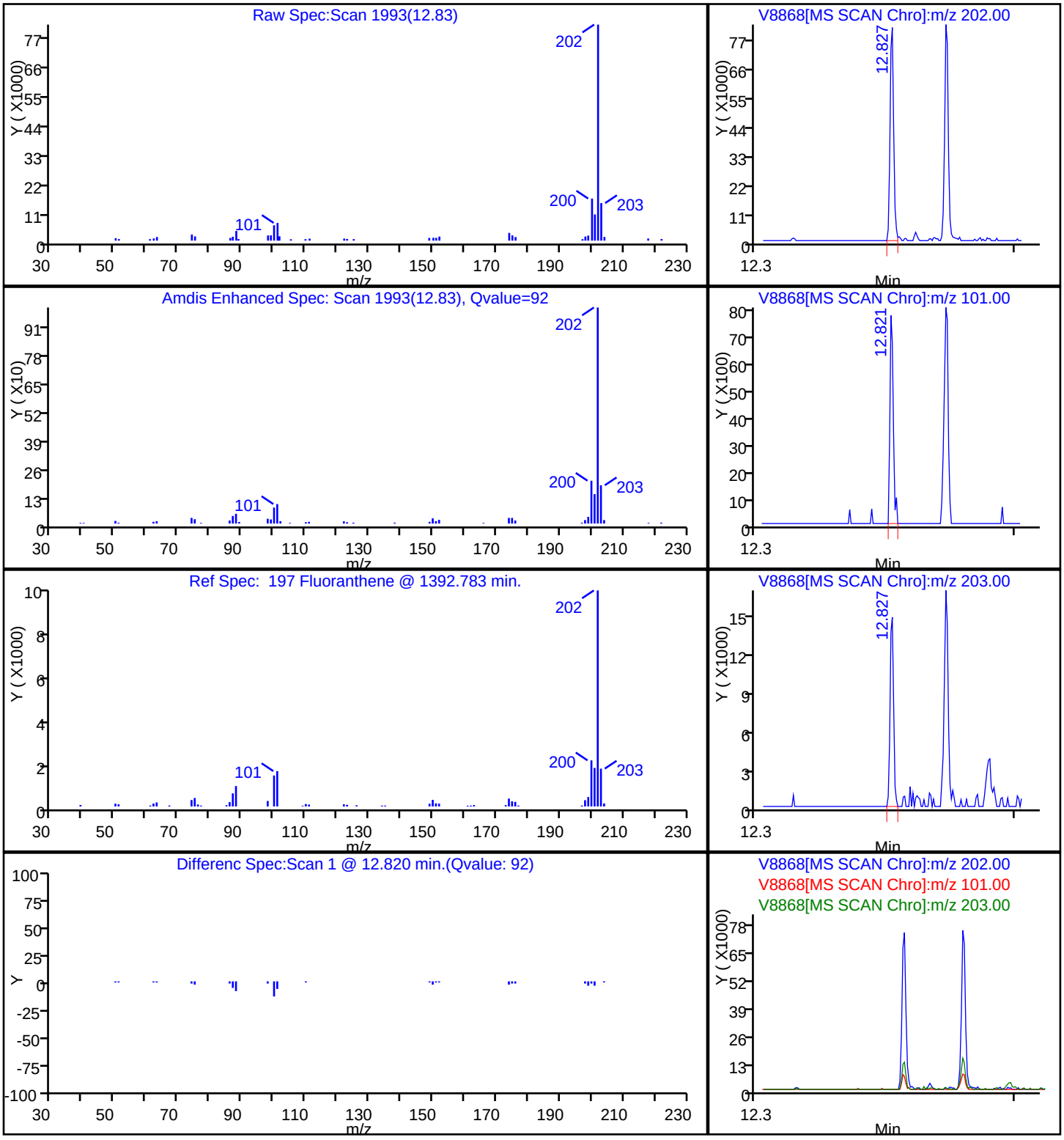


Report Date: 12-Apr-2012 10:44:37 Chrom Revision: 2.0 20-Feb-2012 13:27:02

Data File: \\Bufchrom\ChromData\HP5973V\20120411-10911.b\V8868.D

Injection Date:	11-Apr-2012 23:53:30	Limit Group:	MB - 8270C ICAL
Client ID:	RB-11 (0-6")	Instrument ID:	HP5973V
Lims Batch ID:	59155	Lims Sample ID:	10
Operator ID:	HL	Injection Vol:	1.00 ul
Column Type:	RXI-5Sil MS	Column Dia:	0.25 mm

197 Fluoranthene

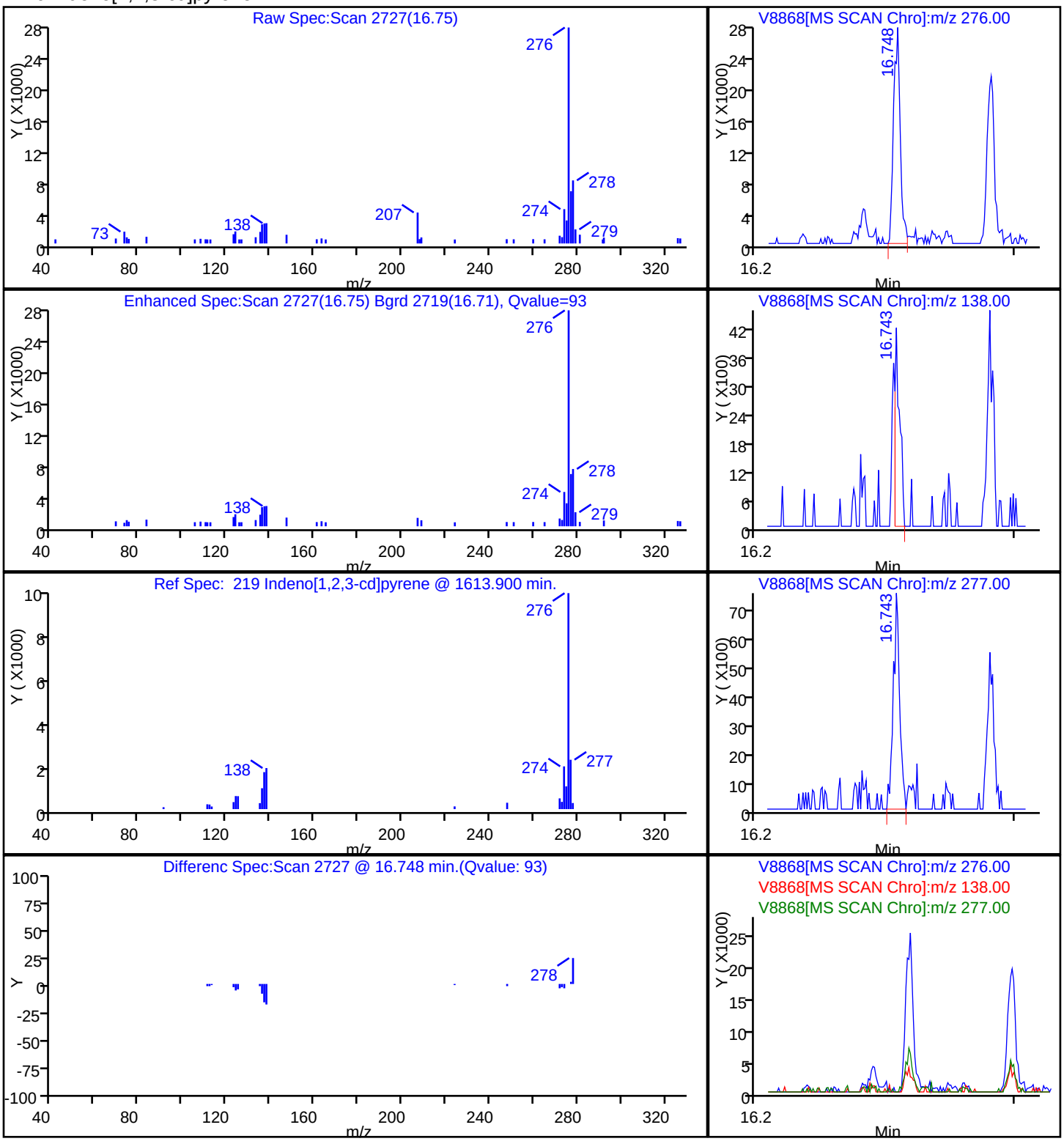


Report Date: 12-Apr-2012 10:44:37 Chrom Revision: 2.0 20-Feb-2012 13:27:02

Data File: \\Bufchrom\ChromData\HP5973V\20120411-10911.b\V8868.D

Injection Date:	11-Apr-2012 23:53:30	Limit Group:	MB - 8270C ICAL
Client ID:	RB-11 (0-6")	Instrument ID:	HP5973V
Lims Batch ID:	59155	Lims Sample ID:	10
Operator ID:	HL	Injection Vol:	1.00 ul
Column Type:	RXI-5Sil MS	Column Dia:	0.25 mm

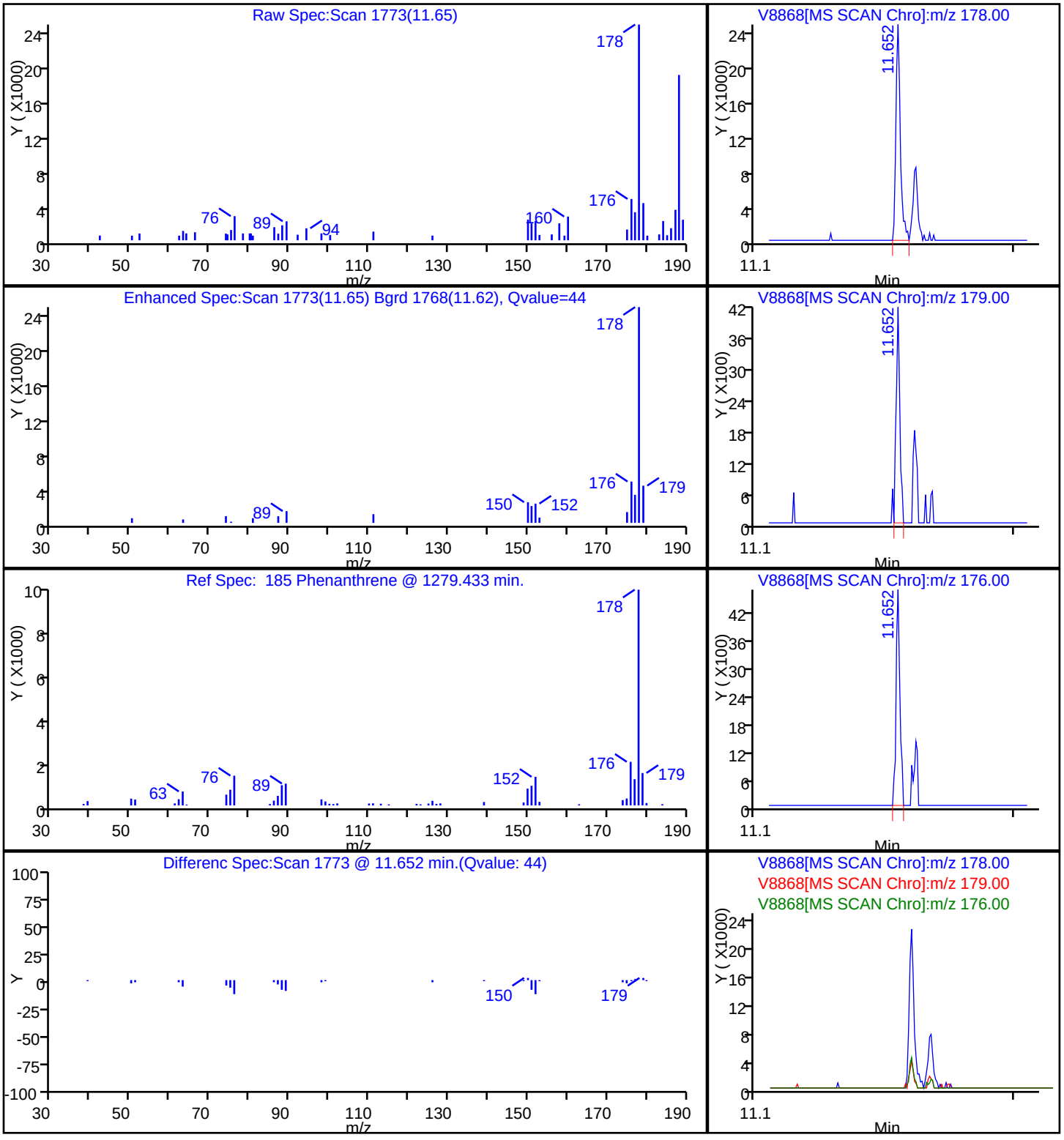
219 Indeno[1,2,3-cd]pyrene



Report Date: 12-Apr-2012 10:44:37 Chrom Revision: 2.0 20-Feb-2012 13:27:02

Data File:	\\Bufchrom\ChromData\HP5973V\20120411-10911.b\V8868.D		
Injection Date:	11-Apr-2012 23:53:30	Limit Group:	MB - 8270C ICAL
Client ID:	RB-11 (0-6")	Instrument ID:	HP5973V
Lims Batch ID:	59155	Lims Sample ID:	10
Operator ID:	HL	Injection Vol:	1.00 ul
Column Type:	RXI-5Sil MS	Column Dia:	0.25 mm

185 Phenanthrene

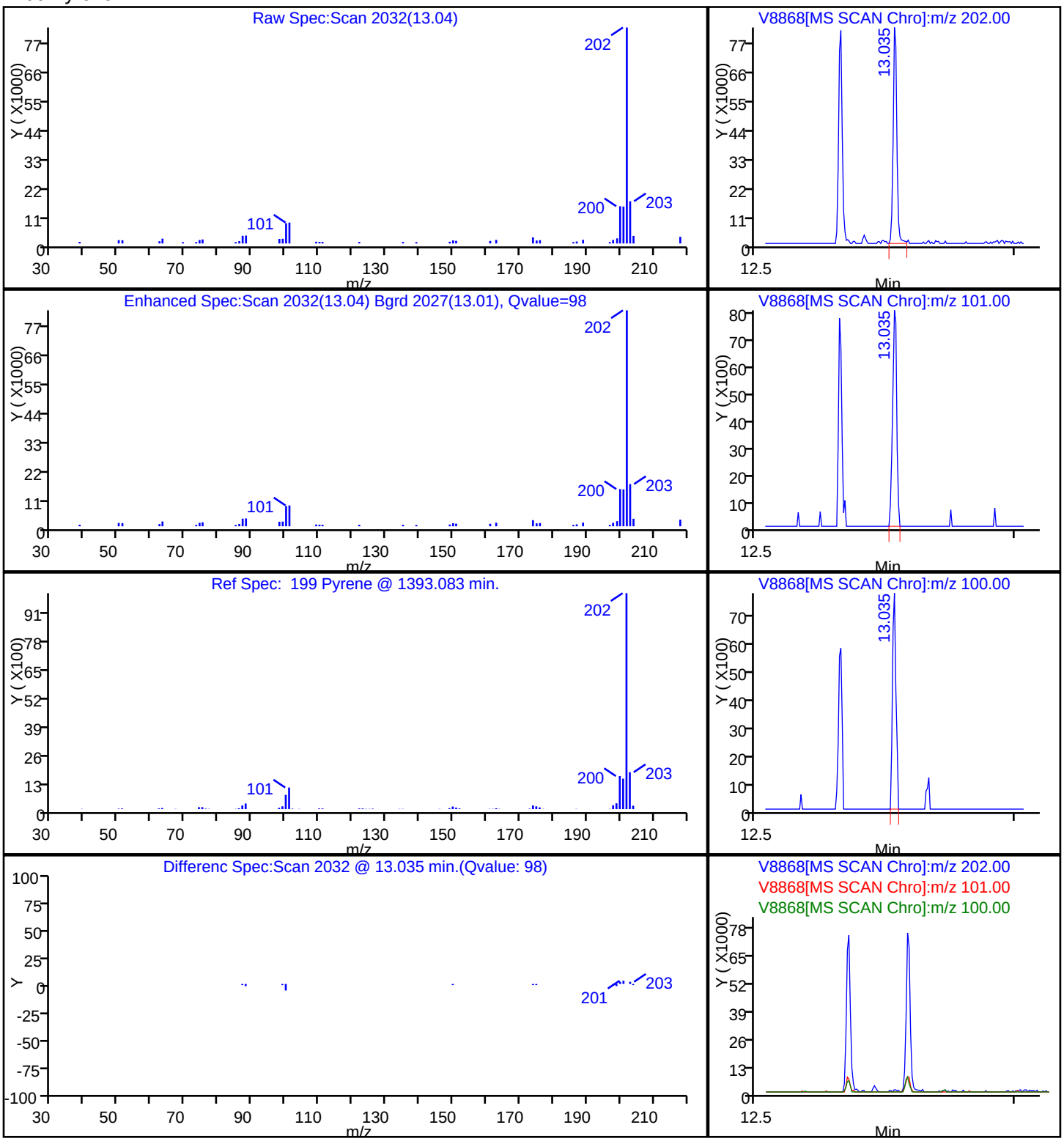


Report Date: 12-Apr-2012 10:44:37 Chrom Revision: 2.0 20-Feb-2012 13:27:02

Data File: \\Bufchrom\ChromData\HP5973V\20120411-10911.b\V8868.D

Injection Date:	11-Apr-2012 23:53:30	Limit Group:	MB - 8270C ICAL
Client ID:	RB-11 (0-6")	Instrument ID:	HP5973V
Lims Batch ID:	59155	Lims Sample ID:	10
Operator ID:	HL	Injection Vol:	1.00 ul
Column Type:	RXI-5Sil MS	Column Dia:	0.25 mm

199 Pyrene



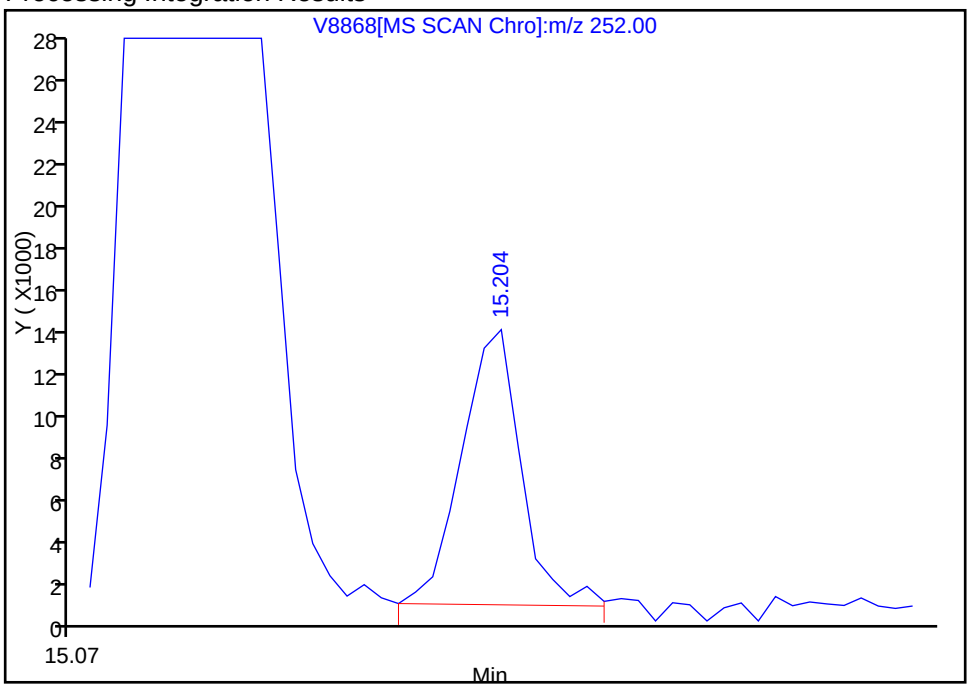
Manual Integration/User Assign Peak Report

Data File:	\\Bufchrom\ChromData\HP5973V\20120411-10911.b\V8868.D		
Injection Date:	11-Apr-2012 23:53:30	Limit Group:	MB - 8270C ICAL
Client ID:	RB-11 (0-6")	Instrument ID:	HP5973V
Lims Batch ID:	59155	Lims Sample ID:	10
Operator ID:	HL	Injection Vol:	1.00 ul
Column Type:	RXI-5Sil MS	Column Dia:	0.25 mm

214 Benzo[k]fluoranthene, Signal: 1, m/z: 252.0 Type: quant, RT: 15.13

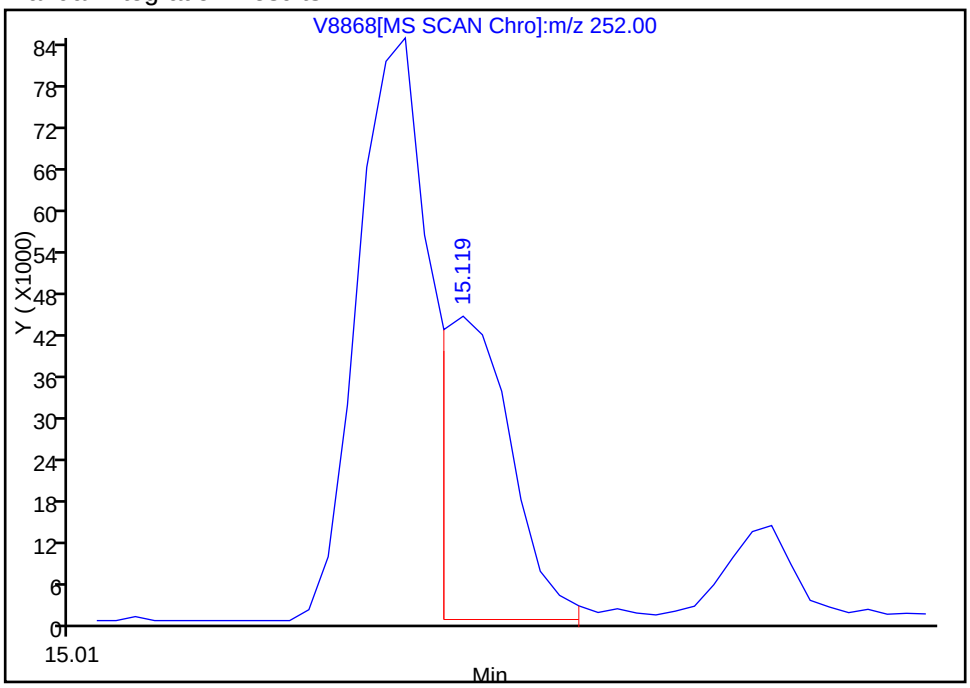
Processing Integration Results

RT: 15.20
Response: 16720
Amount: 1.011171



Manual Integration Results

RT: 15.12
Response: 60931
Amount: 3.684908



Reviewer: lyh, 12-Apr-2012 10:44:37
Audit Action: Manually Integrated
Audit Reason: Assign Peak

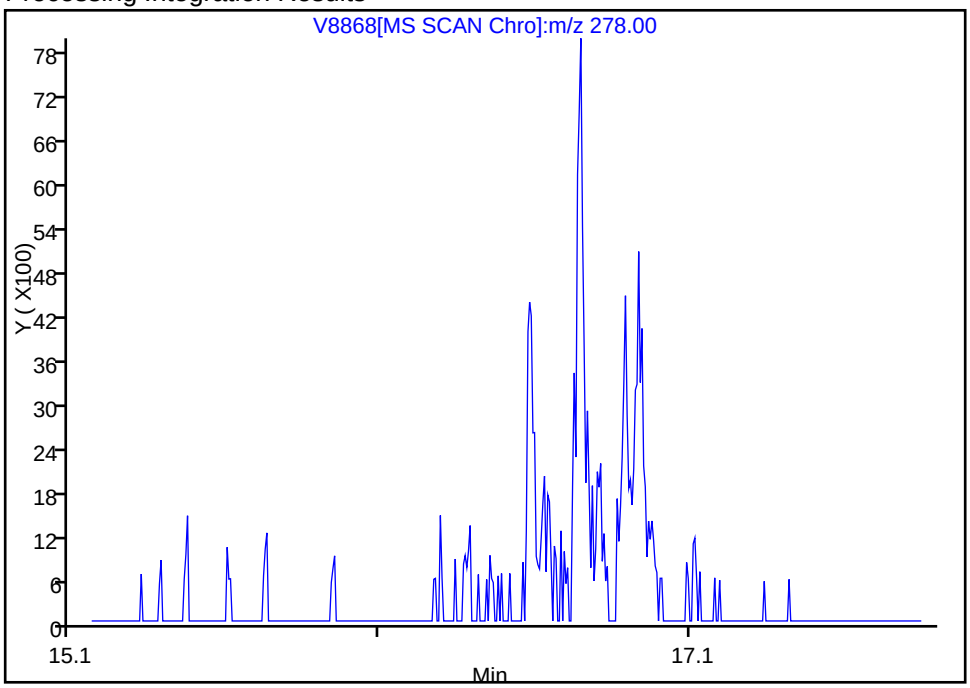
Manual Integration/User Assign Peak Report

Data File:	\\Bufchrom\ChromData\HP5973V\20120411-10911.b\V8868.D		
Injection Date:	11-Apr-2012 23:53:30	Limit Group:	MB - 8270C ICAL
Client ID:	RB-11 (0-6")	Instrument ID:	HP5973V
Lims Batch ID:	59155	Lims Sample ID:	10
Operator ID:	HL	Injection Vol:	1.00 ul
Column Type:	RXI-5Sil MS	Column Dia:	0.25 mm

220 Dibenz(a,h)anthracene, Signal: 1, m/z: 278.0 Type: quant, RT: 16.76

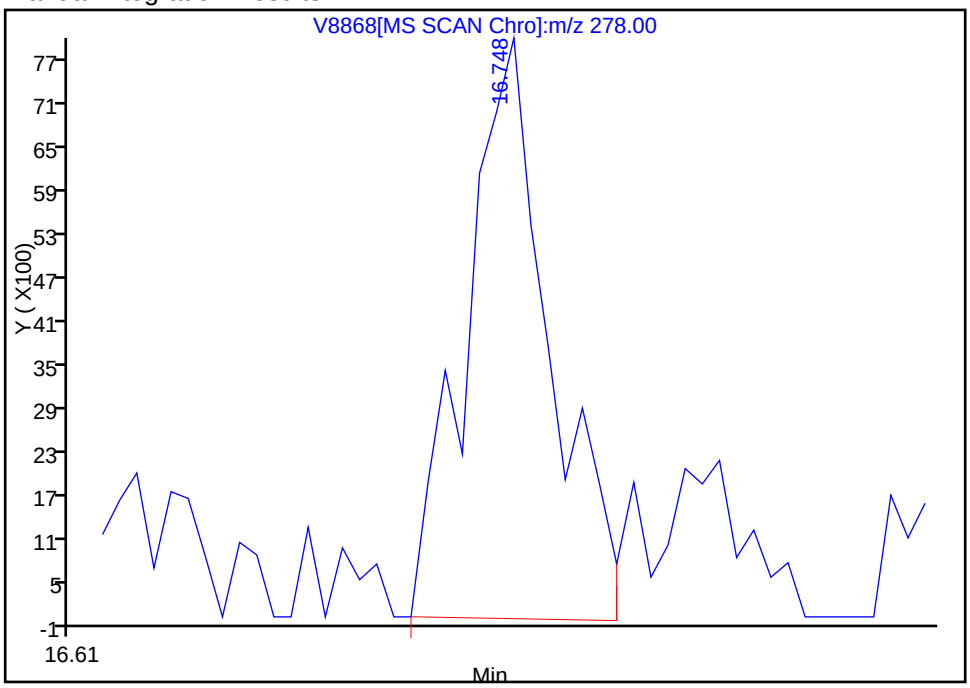
Not Detected
Expected RT: 16.76

Processing Integration Results



Manual Integration Results

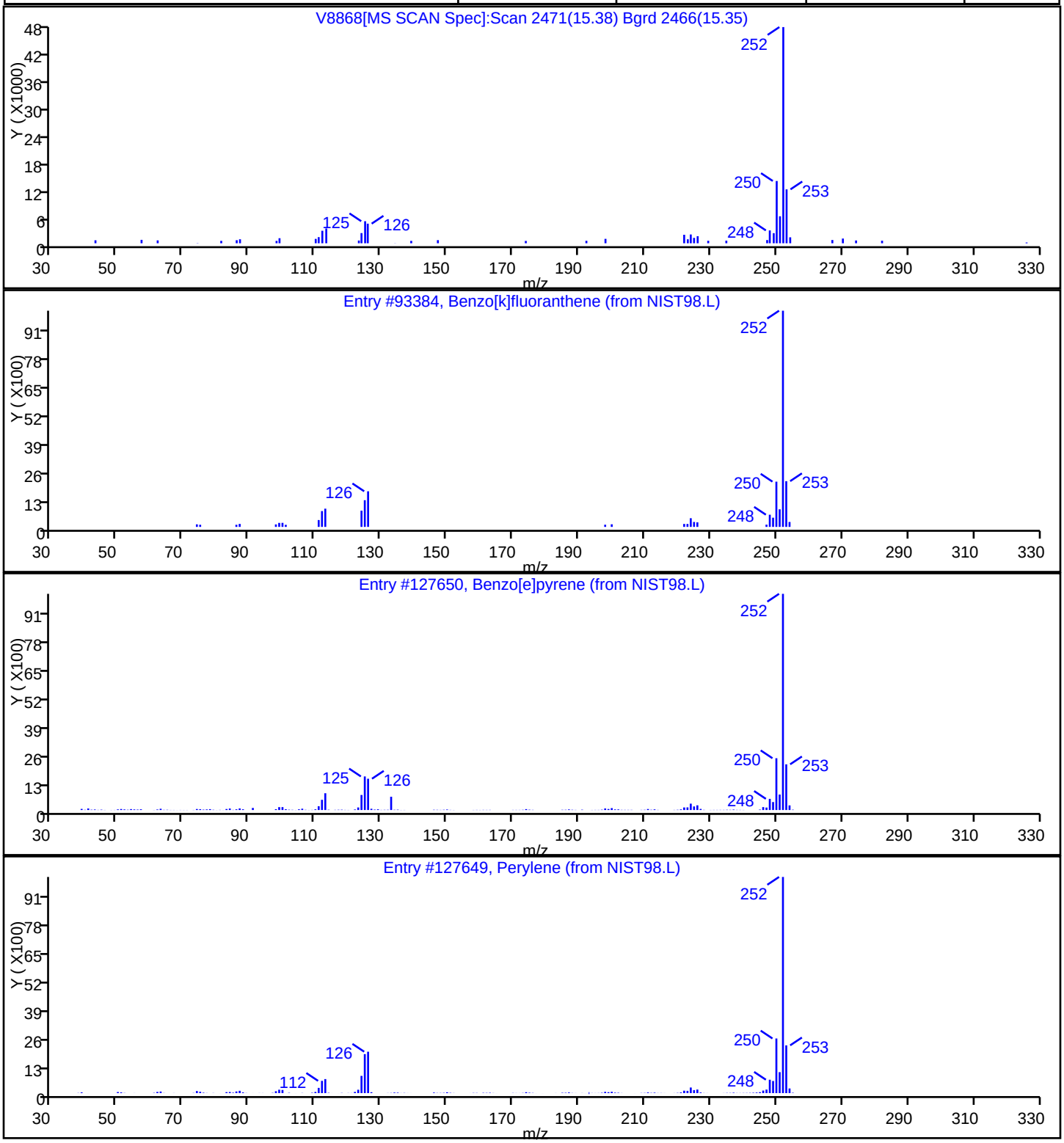
RT: 16.75
Response: 14475
Amount: 4.056434



Reviewer: lyh, 12-Apr-2012 10:44:37
Audit Action: Manually Integrated
Audit Reason: Assign Peak

Report Date: 12-Apr-2012 10:44:37 Chrom Revision: 2.0 20-Feb-2012 13:27:02
Data File: \\Bufchrom\ChromData\HP5973V\20120411-10911.b\V8868.D
Injection Date: 11-Apr-2012 23:53:30 Limit Group: MB - 8270C ICAL
Client ID: RB-11 (0-6") Instrument ID: HP5973V
Lims Batch ID: 59155 Lims Sample ID: 10
Operator ID: HL 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	94
Benzo[e]pyrene	192-97-2	NIST98.L	127650	93
Perylene	198-55-0	NIST98.L	127649	90



FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Buffalo | Job No.: 480-18292-1

SDG No.:

Client Sample ID: RB-12 (0-6") | Lab Sample ID: 480-18292-4

Matrix: Solid | Lab File ID: V8869.D

Analysis Method: 8270C | Date Collected: 04/05/2012 17:10

Extract. Method: 3550B | Date Extracted: 04/10/2012 07:39

Sample wt/vol: +30.60(g) | Date Analyzed: 04/12/2012 00:17

Con. Extract Vol.: 1(mL) | Dilution Factor: 20

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

% Moisture: 4.3 | GPC Cleanup:(Y/N) N

Analysis Batch No.: 59155 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
95-95-4	2,4,5-Trichlorophenol	ND		3500	750
88-06-2	2,4,6-Trichlorophenol	ND		3500	230
120-83-2	2,4-Dichlorophenol	ND		3500	180
105-67-9	2,4-Dimethylphenol	ND		3500	930
51-28-5	2,4-Dinitrophenol	ND		6800	1200
121-14-2	2,4-Dinitrotoluene	ND		3500	540
606-20-2	2,6-Dinitrotoluene	ND		3500	850
91-58-7	2-Chloronaphthalene	ND		3500	230
95-57-8	2-Chlorophenol	ND		3500	180
91-57-6	2-Methylnaphthalene	ND		3500	42
95-48-7	2-Methylphenol	ND		3500	110
88-74-4	2-Nitroaniline	ND		6800	1100
88-75-5	2-Nitrophenol	ND		3500	160
91-94-1	3,3'-Dichlorobenzidine	ND		3500	3000
99-09-2	3-Nitroaniline	ND		6800	800
534-52-1	4,6-Dinitro-2-methylphenol	ND		6800	1200
101-55-3	4-Bromophenyl phenyl ether	ND		3500	1100
59-50-7	4-Chloro-3-methylphenol	ND		3500	140
106-47-8	4-Chloroaniline	ND		3500	1000
7005-72-3	4-Chlorophenyl phenyl ether	ND		3500	74
106-44-5	4-Methylphenol	ND		6800	190
100-01-6	4-Nitroaniline	ND		6800	390
100-02-7	4-Nitrophenol	ND		6800	840
83-32-9	Acenaphthene	95	J	3500	41
208-96-8	Acenaphthylene	1400	J	3500	28
98-86-2	Acetophenone	ND		3500	180
120-12-7	Anthracene	590	J	3500	89
1912-24-9	Atrazine	ND		3500	150
100-52-7	Benzaldehyde	ND		3500	380
56-55-3	Benzo(a)anthracene	4900		3500	60
50-32-8	Benzo(a)pyrene	8100		3500	83
205-99-2	Benzo(b)fluoranthene	14000		3500	67
191-24-2	Benzo(g,h,i)perylene	6300		3500	42
207-08-9	Benzo(k)fluoranthene	4200		3500	38

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Buffalo | Job No.: 480-18292-1

SDG No.:

Client Sample ID: RB-12 (0-6") | Lab Sample ID: 480-18292-4

Matrix: Solid | Lab File ID: V8869.D

Analysis Method: 8270C | Date Collected: 04/05/2012 17:10

Extract. Method: 3550B | Date Extracted: 04/10/2012 07:39

Sample wt/vol: +30.60(g) | Date Analyzed: 04/12/2012 00:17

Con. Extract Vol.: 1(mL) | Dilution Factor: 20

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

% Moisture: 4.3 | GPC Cleanup:(Y/N) N

Analysis Batch No.: 59155 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
92-52-4	Biphenyl	ND		3500	220
108-60-1	bis (2-chloroisopropyl) ether	ND		3500	360
111-91-1	Bis(2-chloroethoxy)methane	ND		3500	190
111-44-4	Bis(2-chloroethyl)ether	ND		3500	300
117-81-7	Bis(2-ethylhexyl) phthalate	ND		3500	1100
85-68-7	Butyl benzyl phthalate	ND		3500	930
105-60-2	Caprolactam	ND		3500	1500
86-74-8	Carbazole	140	J	3500	40
218-01-9	Chrysene	6000		3500	35
53-70-3	Dibenz(a,h)anthracene	3500		3500	41
132-64-9	Dibenzofuran	ND		3500	36
84-66-2	Diethyl phthalate	ND		3500	100
131-11-3	Dimethyl phthalate	ND		3500	90
84-74-2	Di-n-butyl phthalate	ND		3500	1200
117-84-0	Di-n-octyl phthalate	ND		3500	81
206-44-0	Fluoranthene	5000		3500	50
86-73-7	Fluorene	ND		3500	80
118-74-1	Hexachlorobenzene	ND		3500	170
87-68-3	Hexachlorobutadiene	ND		3500	180
77-47-4	Hexachlorocyclopentadiene	ND		3500	1000
67-72-1	Hexachloroethane	ND		3500	270
193-39-5	Indeno(1,2,3-cd)pyrene	5700		3500	96
78-59-1	Isophorone	ND		3500	170
91-20-3	Naphthalene	ND		3500	58
98-95-3	Nitrobenzene	ND		3500	150
621-64-7	N-Nitrosodi-n-propylamine	ND		3500	270
86-30-6	N-Nitrosodiphenylamine	ND		3500	190
87-86-5	Pentachlorophenol	ND		6800	1200
85-01-8	Phenanthrene	1200	J	3500	73
108-95-2	Phenol	ND		3500	360
129-00-0	Pyrene	5800		3500	22

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Buffalo | Job No.: 480-18292-1

SDG No.:

Client Sample ID: RB-12 (0-6") | Lab Sample ID: 480-18292-4

Matrix: Solid | Lab File ID: V8869.D

Analysis Method: 8270C | Date Collected: 04/05/2012 17:10

Extract. Method: 3550B | Date Extracted: 04/10/2012 07:39

Sample wt/vol: +30.60(g) | Date Analyzed: 04/12/2012 00:17

Con. Extract Vol.: 1(mL) | Dilution Factor: 20

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

% Moisture: 4.3 | GPC Cleanup:(Y/N) N

Analysis Batch No.: 59155 | Units: ug/Kg

CAS NO.	SURROGATE	%REC	Q	LIMITS
118-79-6	2,4,6-Tribromophenol	69		39-146
321-60-8	2-Fluorobiphenyl	86		37-120
367-12-4	2-Fluorophenol	63		18-120
4165-60-0	Nitrobenzene-d5	75		34-132
4165-62-2	Phenol-d5	65		11-120
1718-51-0	p-Terphenyl-d14	100		65-153

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

Lab Name: TestAmerica Buffalo | Job No.: 480-18292-1

SDG No.:

Client Sample ID: RB-12 (0-6") | Lab Sample ID: 480-18292-4

Matrix: Solid | Lab File ID: V8869.D

Analysis Method: 8270C | Date Collected: 04/05/2012 17:10

Extract. Method: 3550B | Date Extracted: 04/10/2012 07:39

Sample wt/vol: +30.60(g) | Date Analyzed: 04/12/2012 00:17

Con. Extract Vol.: 1(mL) | Dilution Factor: 20

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

% Moisture: 4.3 | GPC Cleanup:(Y/N) N

Analysis Batch No.: 59155 | Units: ug/Kg

Number TICs Found: 1 | TIC Result Total: 7200

CAS NO.	COMPOUND NAME	RT	RESULT	Q
198-55-0	Perylene	15.38	7200	T J N

TestAmerica Laboratories
Target Compound Quantitation Report

Data File:	\\Bufchrom\ChromData\HP5973V\20120411-10911.b\V8869.D		
Lims ID:	480-18292-B-4-A	Client ID:	RB-12 (0-6")
Inject. Date:	12-Apr-2012 00:17:30	Dil. Factor:	20.0000
Sample Type:	Client		
Sample ID:	480-0010911-011		
Misc. Info.:	480-18292-B-4-A		
Operator:	HL	Instrument ID:	HP5973V
Vol. Injected:	1.0000	ALS Bottle#:	34
Lims Batch ID:	59155	Lims Sample ID:	11
Detector:	MS SCAN		
Method:	\\Bufchrom\ChromData\HP5973V\20120411-10911.b\V-8270.m		
Last Update:	12-Apr-2012 10:48:41	Calib Date:	09-Apr-2012 16:15:30
Quant Method:	Internal Standard	Quant By:	Initial Calibration
Last ICal File:	\\Bufchrom\ChromData\HP5973V\20120409-10827.b\V8763.D		
Limit Group:	MB - 8270C ICAL		
Integrator:	RTE	ID Type:	Deconvolution ID
Process Host:	CORP-CTX-19		
First Level Reviewer: lyh		Date:	12-Apr-2012 10:48:41

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ng/uL	Flags
* 1 1,4-Dichlorobenzene-d4	152	6.010	6.005	0.005	97	119609	40.0	
* 2 Naphthalene-d8	136	7.666	7.661	0.005	99	454143	40.0	
* 3 Acenaphthene-d10	164	9.926	9.926	0.0	90	286709	40.0	
* 4 Phenanthrene-d10	188	11.625	11.625	0.0	97	463023	40.0	
* 5 Chrysene-d12	240	14.114	14.120	-0.006	97	481980	40.0	
* 6 Perylene-d12	264	15.498	15.498	0.0	100	528918	40.0	
$ 9 2-Fluorophenol	112	4.327	4.317	0.010	9	19377	4.71	M
$ 10 Phenol-d5	99	5.540	5.535	0.005	37	26542	4.86	
$ 11 Nitrobenzene-d5	82	6.742	6.737	0.005	54	18131	3.76	
$ 12 2-Fluorobiphenyl	172	9.076	9.066	0.010	75	38812	4.31	
$ 13 2,4,6-Tribromophenol	330	10.903	10.877	0.026	1	4849	5.21	M
$ 14 p-Terphenyl-d14	244	13.169	13.169	0.0	82	52435	5.01	
88 Benzaldehyde	77		5.444					
89 Phenol	94		5.551					
91 Bis(2-chloroethyl)ether	93		5.668					
93 2-Chlorophenol	128		5.732					
98 2-Methylphenol	108		6.341					
99 2,2'-oxybis[1-chloropropane]	45		6.368					
104 Acetophenone	105		6.539					
101 N-Nitrosodi-n-propylamine	70		6.544					
102 4-Methylphenol	108		6.550					
106 Hexachloroethane	117		6.662					
107 Nitrobenzene	77		6.758					
110 Isophorone	82		7.073					
111 2-Nitrophenol	139		7.175					
112 2,4-Dimethylphenol	107		7.244					
115 Bis(2-chloroethoxy)methane	93		7.362					
117 2,4-Dichlorophenol	162		7.490					
121 Naphthalene	128		7.693					
123 4-Chloroaniline	127		7.778					
126 Hexachlorobutadiene	225		7.853					

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ng/uL	Flags
127 Caprolactam	113		8.222					
131 4-Chloro-3-methylphenol	107		8.414					
133 2-Methylnaphthalene	142		8.590					
136 Hexachlorocyclopentadiene	237		8.788					
139 2,4,6-Trichlorophenol	196		8.959					
140 2,4,5-Trichlorophenol	196		9.012					
144 1,1'-Biphenyl	154		9.194					
143 2-Chloronaphthalene	162		9.215					
145 2-Nitroaniline	65		9.370					
147 Dimethyl phthalate	163		9.605					
148 2,6-Dinitrotoluene	165		9.686					
149 Acenaphthylene	152	9.766	9.750	0.016	51	24968	2.06	
150 3-Nitroaniline	138		9.910					
151 Acenaphthene	153	9.969	9.969	0.0	1	1024	0.1395	
152 2,4-Dinitrophenol	184		10.044					
153 4-Nitrophenol	109		10.150					
155 Dibenzofuran	168		10.182					
154 2,4-Dinitrotoluene	165		10.193					
160 Diethyl phthalate	149		10.482					
161 Fluorene	166		10.594					
162 4-Chlorophenyl phenyl ether	204		10.599					
164 4-Nitroaniline	138		10.653					
166 4,6-Dinitro-2-methylphenol	198		10.679					
167 N-Nitrosodiphenylamine	169		10.743					
176 4-Bromophenyl phenyl ether	248		11.149					
177 Hexachlorobenzene	284		11.213					
180 Atrazine	200		11.347					
181 Pentachlorophenol	266		11.433					
185 Phenanthrene	178	11.651	11.652	-0.001	50	21675	1.74	
188 Anthracene	178	11.715	11.705	0.010	38	10814	0.8569	
189 Carbazole	167	11.908	11.881	0.027	1	2206	0.2091	
192 Di-n-butyl phthalate	149		12.218					
197 Fluoranthene	202	12.827	12.827	0.0	93	100252	7.36	
199 Pyrene	202	13.035	13.041	-0.006	97	120412	8.51	
205 Butyl benzyl phthalate	149		13.596					
210 Bis(2-ethylhexyl) phthalate	149		14.077					
208 3,3'-Dichlorobenzidine	252		14.082					
209 Benzo[a]anthracene	228	14.109	14.109	0.0	65	97103	7.23	
211 Chrysene	228	14.141	14.146	-0.005	88	120350	8.79	
212 Di-n-octyl phthalate	149		14.643					
213 Benzo[b]fluoranthene	252	15.102	15.103	-0.001	91	319926	21.2	M
214 Benzo[k]fluoranthene	252	15.118	15.135	-0.017	97	107352	6.20	M
217 Benzo[a]pyrene	252	15.434	15.439	-0.005	70	155432	11.8	
219 Indeno[1,2,3-cd]pyrene	276	16.743	16.759	-0.016	97	117620	8.31	
220 Dibenz(a,h)anthracene	278	16.748	16.764	-0.016	10	29343	5.08	
221 Benzo[g,h,i]perylene	276	17.106	17.122	-0.016	87	108192	9.21	

QC Flag Legend

Review Flags
M - Manually Integrated

TestAmerica Laboratories
Tentatively Identified Quantitation Report

Data File:	\\Bufchrom\ChromData\HP5973V\20120411-10911.b\V8869.D		
Lims ID:	480-18292-B-4-A	Client ID:	RB-12 (0-6")
Inject. Date:	12-Apr-2012 00:17:30	Dil. Factor:	20.0000
Sample Type:	Client		
Sample ID:	480-0010911-011		
Misc. Info.:	480-18292-B-4-A		
Operator:	HL	Instrument ID:	HP5973V
Vol. Injected:	1.0000	ALS Bottle#:	34
Lims Batch ID:	59155	Lims Sample ID:	11
Detector:	MS SCAN		
Method:	\\Bufchrom\ChromData\HP5973V\20120411-10911.b\V-8270.m		
Last Update:	12-Apr-2012 10:48:41	Calib Date:	09-Apr-2012 16:15:30
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: lyh		Date:	12-Apr-2012 10:48:41

Tentative Identified Compound Results

RT	Response	Amount ng/uL	Quant Cpnd	Qual	Lib Entry	Flags
198-55-0 Perylene						
15.380	412365	10.6	6	94	127649	

Quantitation Compounds

Compound	RT	Response	Amount ng/uL
* 6 Perylene-d12	15.498	1555998	40.0

QC Flag Legend

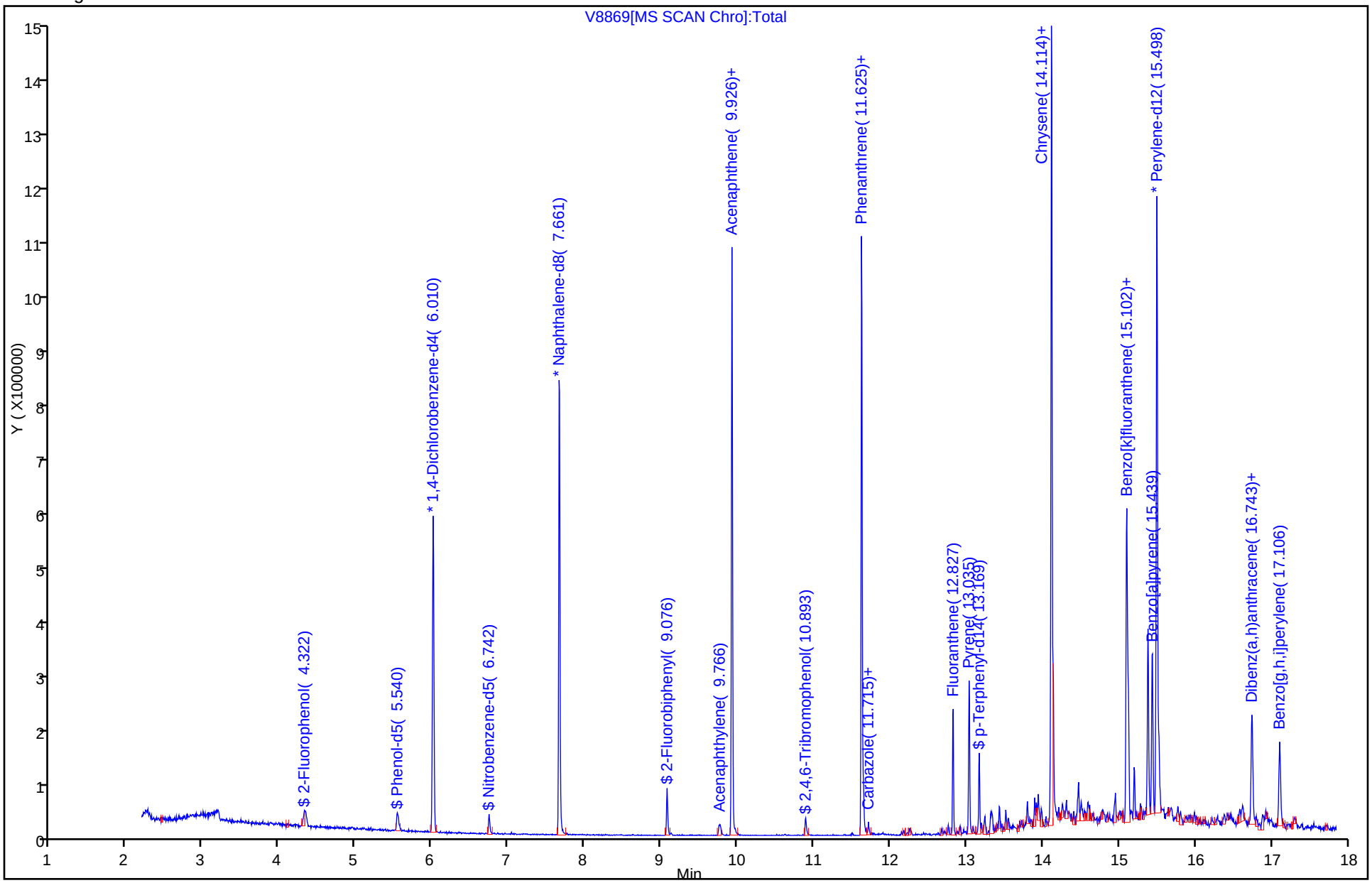
Processing Flags

Report Date: 12-Apr-2012 10:48:41 Chrom Revision: 2.0 20-Feb-2012 13:27:02

Data File: \\Bufchrom\ChromData\HP5973V\20120411-10911.b\V8869.D

Injection Date:	12-Apr-2012 00:17:30	Limit Group:	MB - 8270C ICAL
Client ID:	RB-12 (0-6")	Instrument ID:	HP5973V
Lims Batch ID:	59155	Lims Sample ID:	11
Operator ID:	HL	Injection Vol:	1.00 ul
Column Type:	RXI-5Sil MS	Column Dia:	0.25 mm

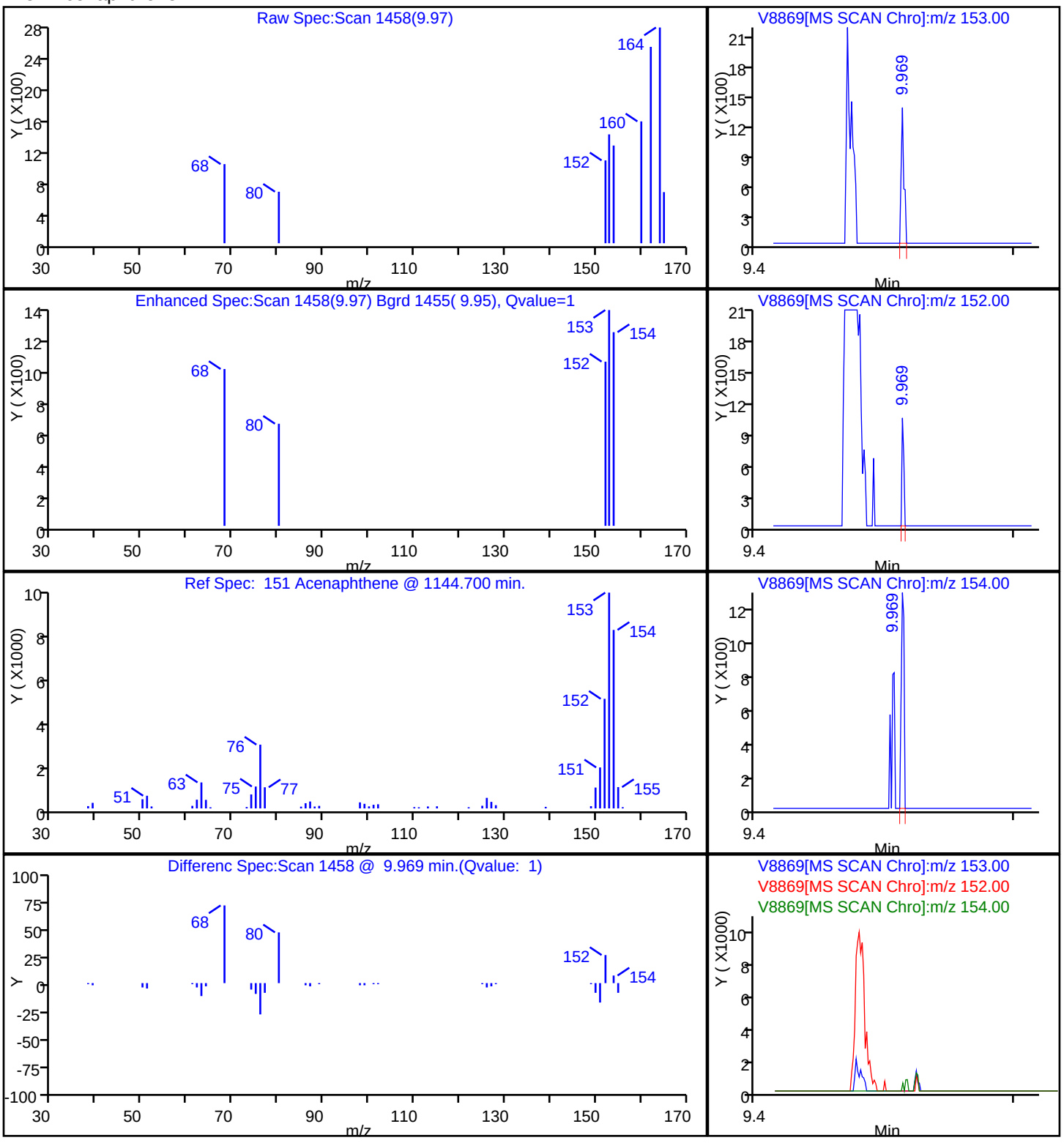
Y Scaling:



Report Date: 12-Apr-2012 10:48:41 Chrom Revision: 2.0 20-Feb-2012 13:27:02

Data File:	\\Bufchrom\ChromData\HP5973V\20120411-10911.b\V8869.D		
Injection Date:	12-Apr-2012 00:17:30	Limit Group:	MB - 8270C ICAL
Client ID:	RB-12 (0-6")	Instrument ID:	HP5973V
Lims Batch ID:	59155	Lims Sample ID:	11
Operator ID:	HL	Injection Vol:	1.00 ul
Column Type:	RXI-5Sil MS	Column Dia:	0.25 mm

151 Acenaphthene

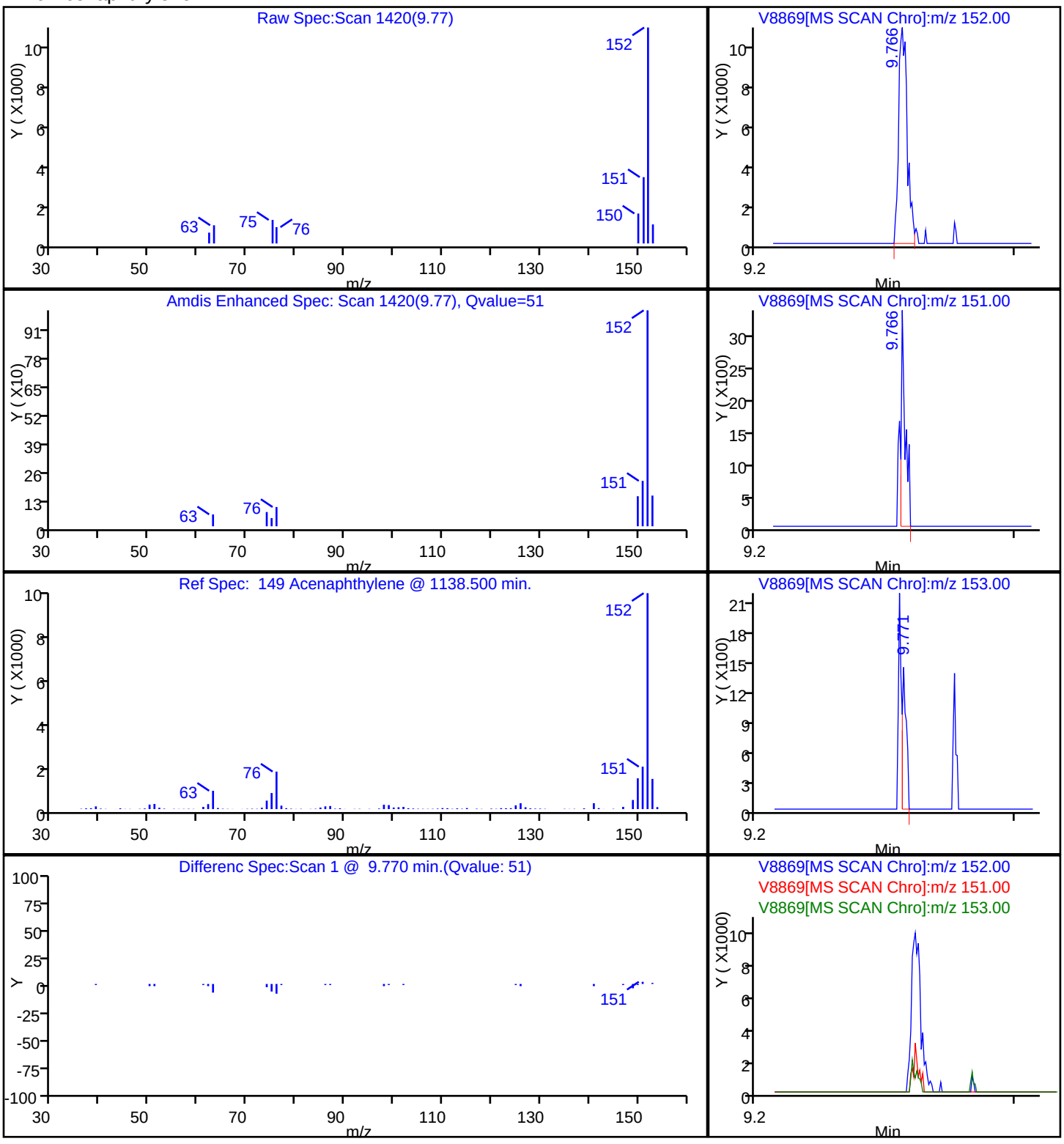


Report Date: 12-Apr-2012 10:48:41 Chrom Revision: 2.0 20-Feb-2012 13:27:02

Data File: \\Bufchrom\ChromData\HP5973V\20120411-10911.b\V8869.D

Injection Date:	12-Apr-2012 00:17:30	Limit Group:	MB - 8270C ICAL
Client ID:	RB-12 (0-6")	Instrument ID:	HP5973V
Lims Batch ID:	59155	Lims Sample ID:	11
Operator ID:	HL	Injection Vol:	1.00 ul
Column Type:	RXI-5Sil MS	Column Dia:	0.25 mm

149 Acenaphthylene

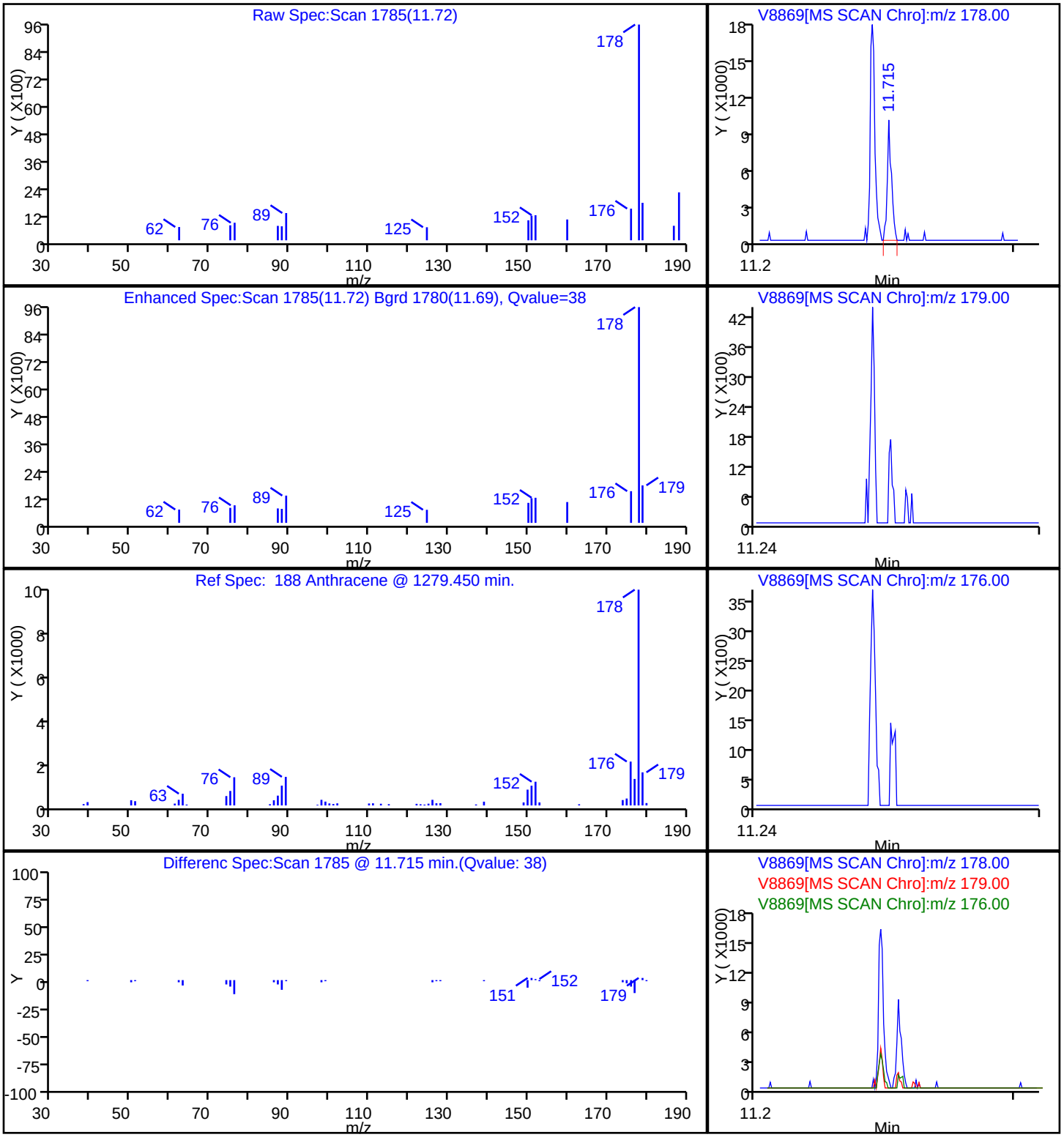


Report Date: 12-Apr-2012 10:48:41 Chrom Revision: 2.0 20-Feb-2012 13:27:02

Data File: \\Bufchrom\ChromData\HP5973V\20120411-10911.b\V8869.D

Injection Date:	12-Apr-2012 00:17:30	Limit Group:	MB - 8270C ICAL
Client ID:	RB-12 (0-6")	Instrument ID:	HP5973V
Lims Batch ID:	59155	Lims Sample ID:	11
Operator ID:	HL	Injection Vol:	1.00 ul
Column Type:	RXI-5Sil MS	Column Dia:	0.25 mm

188 Anthracene

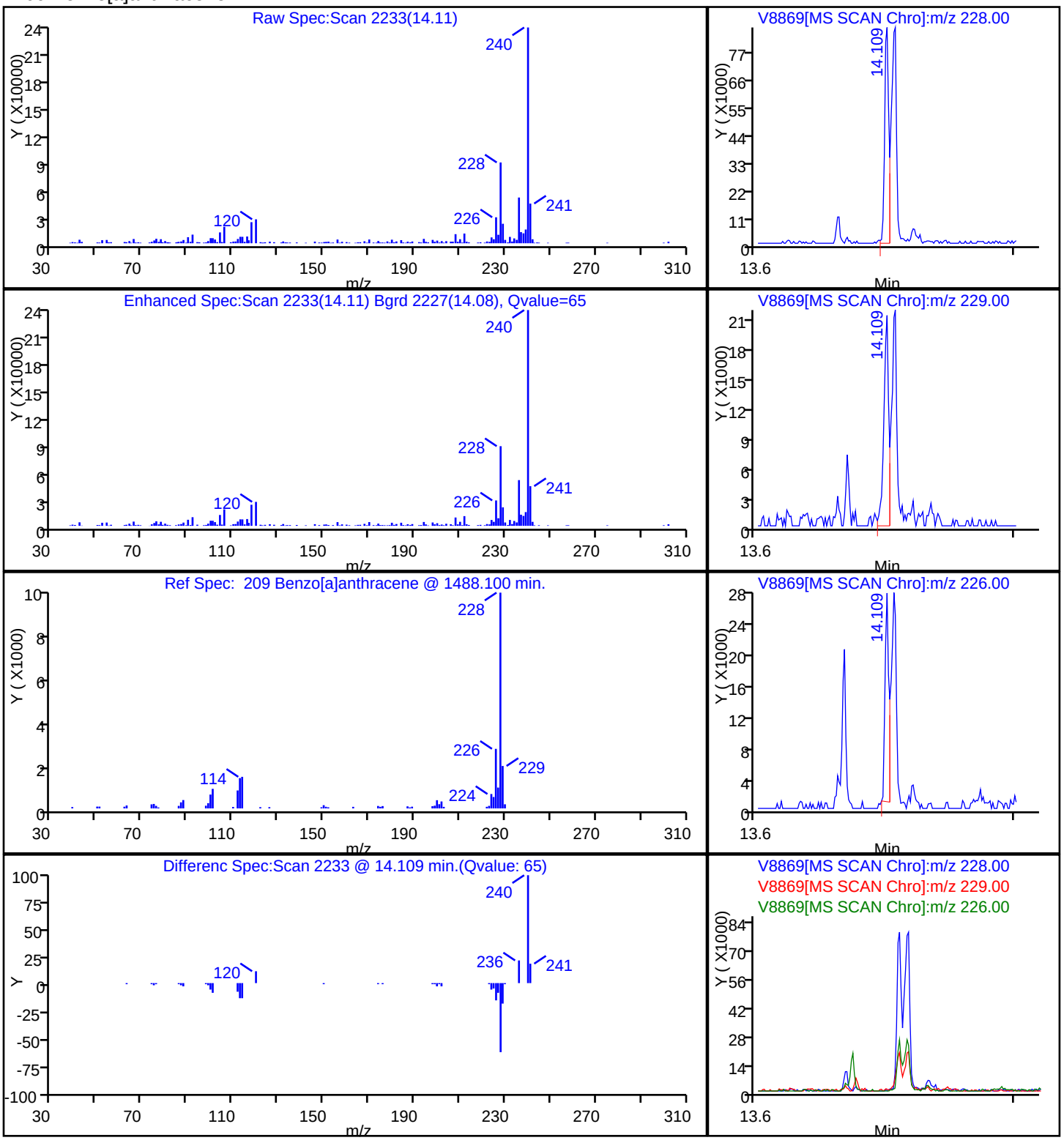


Report Date: 12-Apr-2012 10:48:41 Chrom Revision: 2.0 20-Feb-2012 13:27:02

Data File: \\Bufchrom\ChromData\HP5973V\20120411-10911.b\V8869.D

Injection Date:	12-Apr-2012 00:17:30	Limit Group:	MB - 8270C ICAL
Client ID:	RB-12 (0-6")	Instrument ID:	HP5973V
Lims Batch ID:	59155	Lims Sample ID:	11
Operator ID:	HL	Injection Vol:	1.00 ul
Column Type:	RXI-5Sil MS	Column Dia:	0.25 mm

209 Benzo[a]anthracene

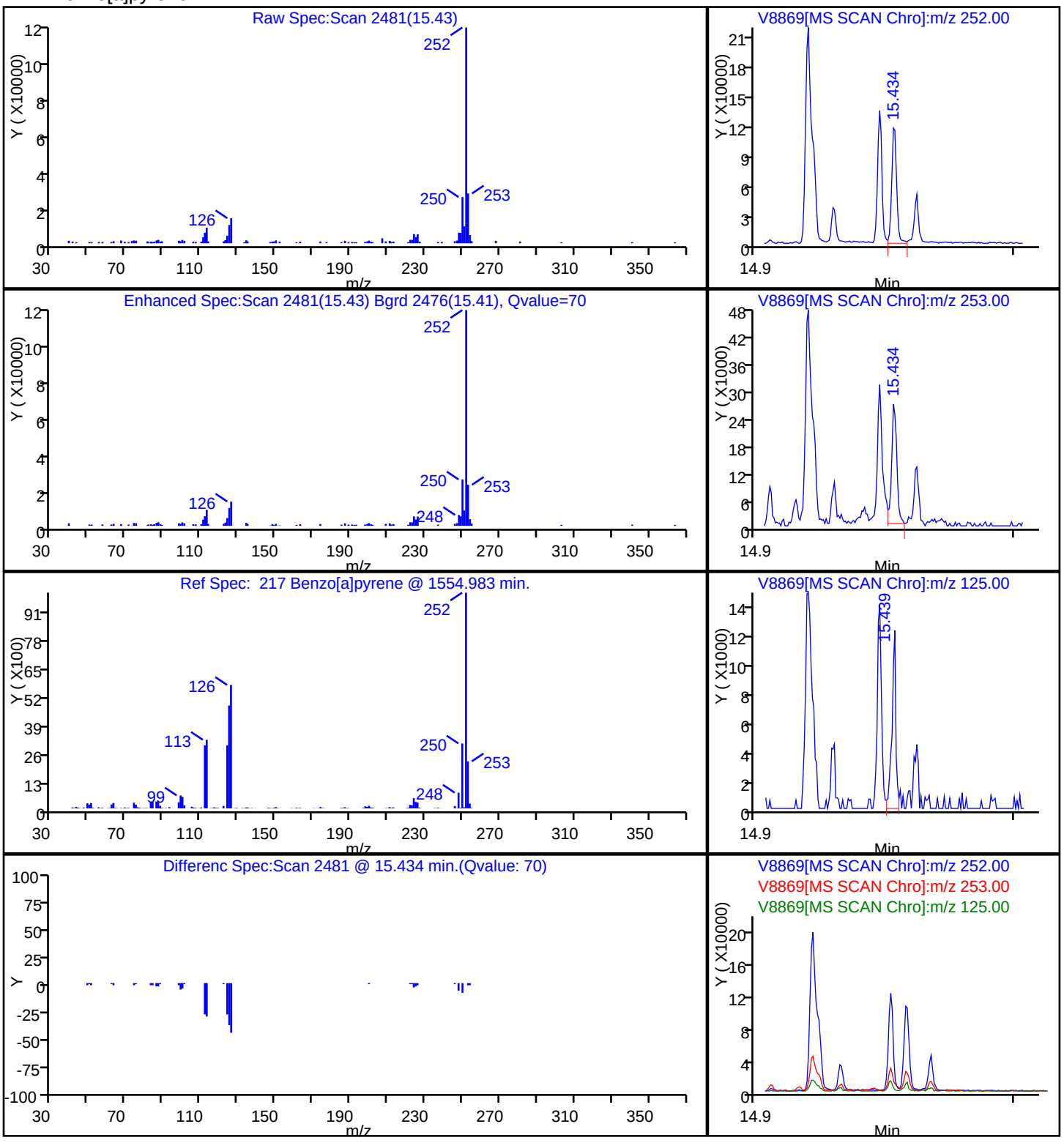


Report Date: 12-Apr-2012 10:48:41 Chrom Revision: 2.0 20-Feb-2012 13:27:02

Data File: \\Bufchrom\ChromData\HP5973V\20120411-10911.b\V8869.D

Injection Date:	12-Apr-2012 00:17:30	Limit Group:	MB - 8270C ICAL
Client ID:	RB-12 (0-6")	Instrument ID:	HP5973V
Lims Batch ID:	59155	Lims Sample ID:	11
Operator ID:	HL	Injection Vol:	1.00 ul
Column Type:	RXI-5Sil MS	Column Dia:	0.25 mm

217 Benzo[a]pyrene

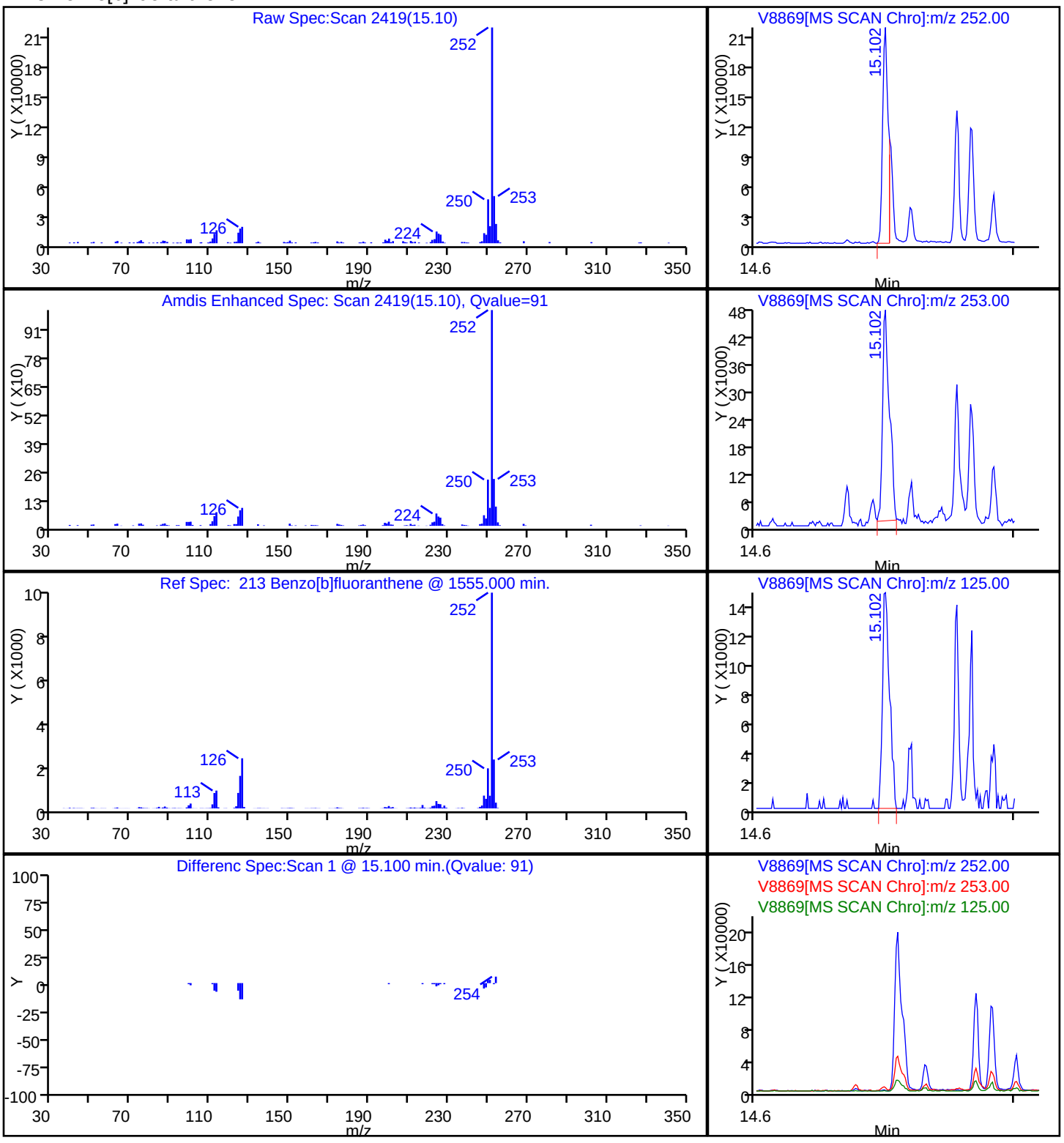


Report Date: 12-Apr-2012 10:48:41 Chrom Revision: 2.0 20-Feb-2012 13:27:02

Data File: \\Bufchrom\ChromData\HP5973V\20120411-10911.b\V8869.D

Injection Date:	12-Apr-2012 00:17:30	Limit Group:	MB - 8270C ICAL
Client ID:	RB-12 (0-6")	Instrument ID:	HP5973V
Lims Batch ID:	59155	Lims Sample ID:	11
Operator ID:	HL	Injection Vol:	1.00 ul
Column Type:	RXI-5Sil MS	Column Dia:	0.25 mm

213 Benzo[b]fluoranthene

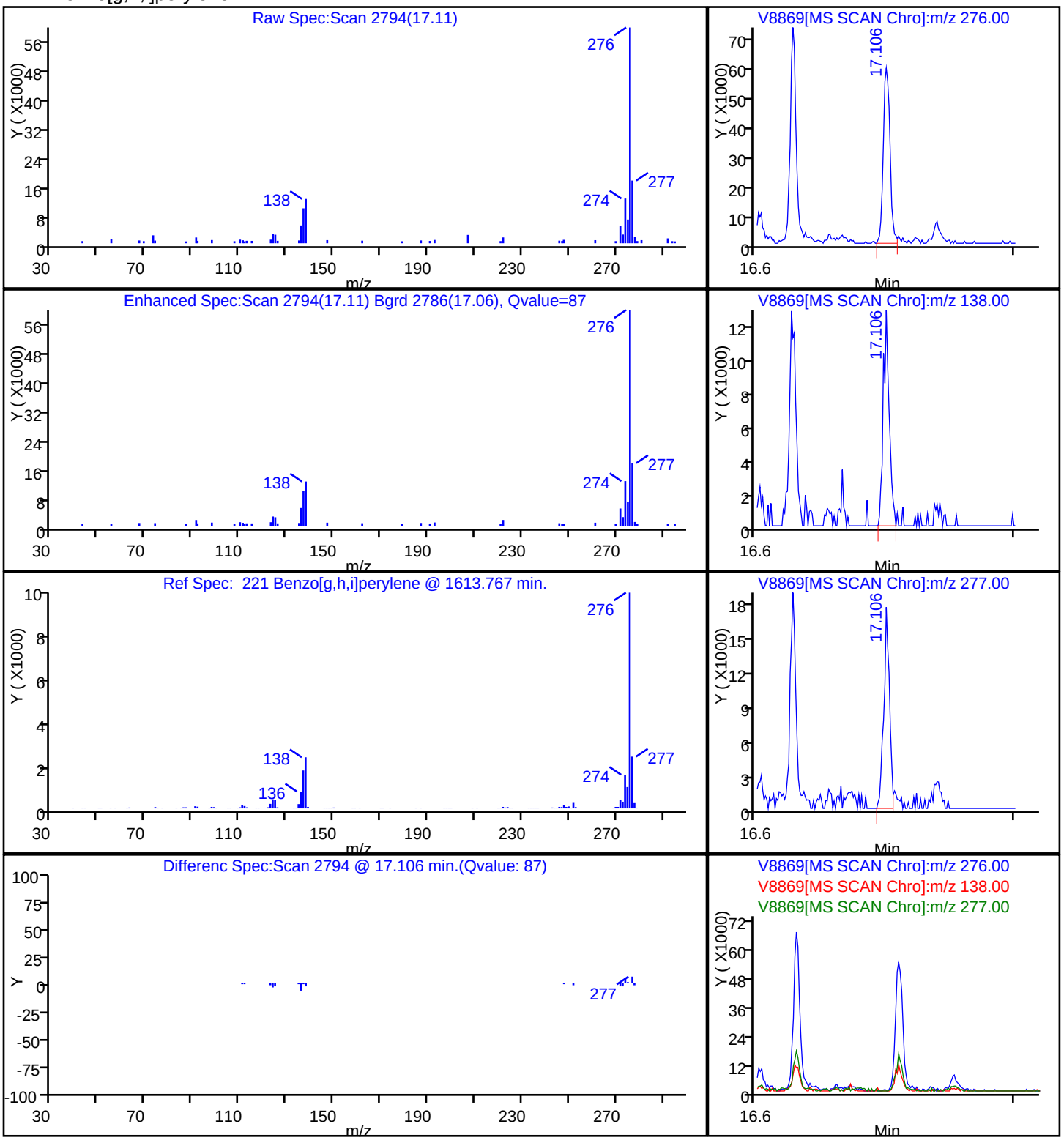


Report Date: 12-Apr-2012 10:48:41 Chrom Revision: 2.0 20-Feb-2012 13:27:02

Data File: \\Bufchrom\ChromData\HP5973V\20120411-10911.b\V8869.D

Injection Date:	12-Apr-2012 00:17:30	Limit Group:	MB - 8270C ICAL
Client ID:	RB-12 (0-6")	Instrument ID:	HP5973V
Lims Batch ID:	59155	Lims Sample ID:	11
Operator ID:	HL	Injection Vol:	1.00 ul
Column Type:	RXI-5Sil MS	Column Dia:	0.25 mm

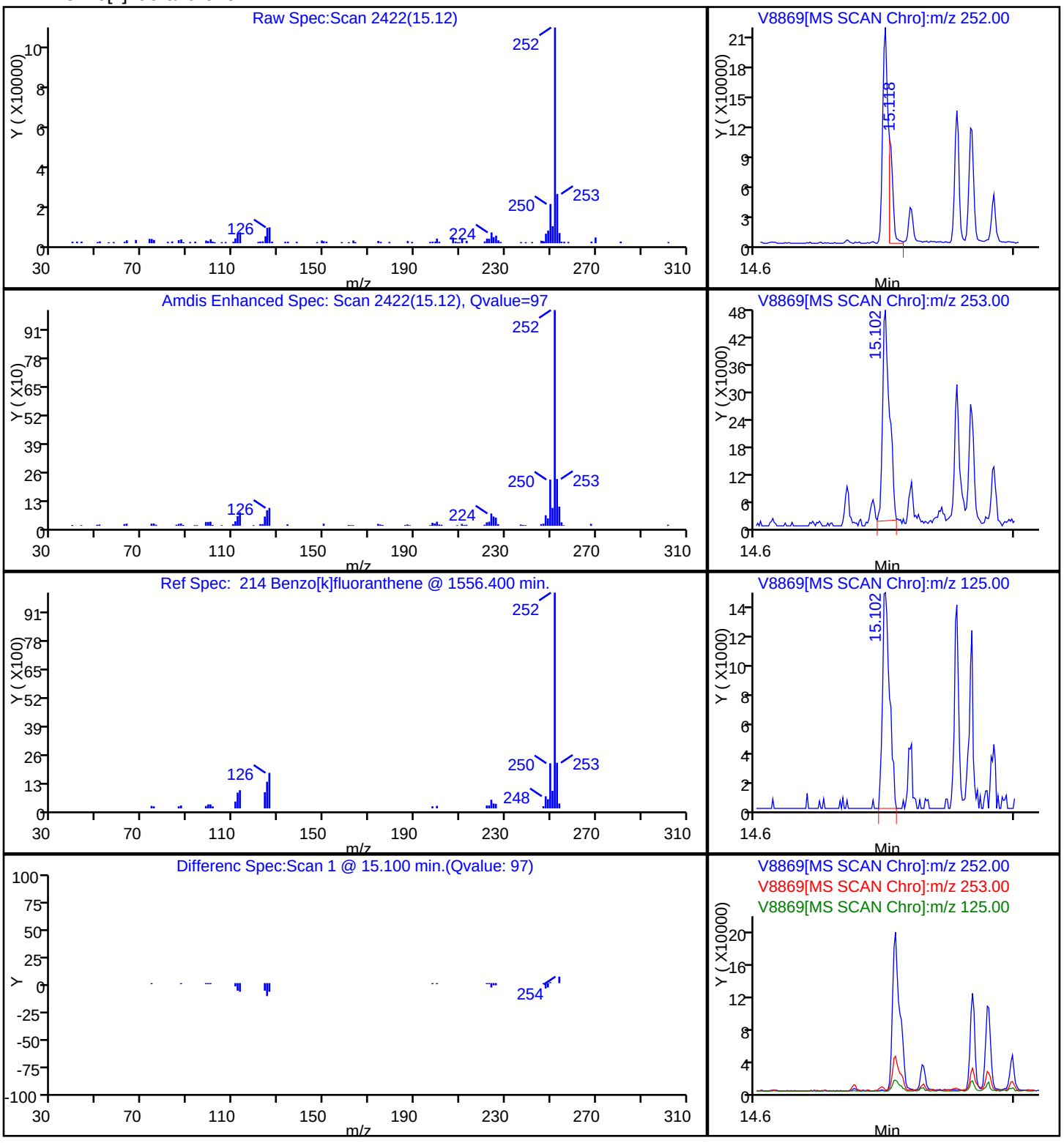
221 Benzo[g,h,i]perylene



Report Date: 12-Apr-2012 10:48:41 Chrom Revision: 2.0 20-Feb-2012 13:27:02

Data File:	\\Bufchrom\ChromData\HP5973V\20120411-10911.b\V8869.D		
Injection Date:	12-Apr-2012 00:17:30	Limit Group:	MB - 8270C ICAL
Client ID:	RB-12 (0-6")	Instrument ID:	HP5973V
Lims Batch ID:	59155	Lims Sample ID:	11
Operator ID:	HL	Injection Vol:	1.00 ul
Column Type:	RXI-5Sil MS	Column Dia:	0.25 mm

214 Benzo[k]fluoranthene

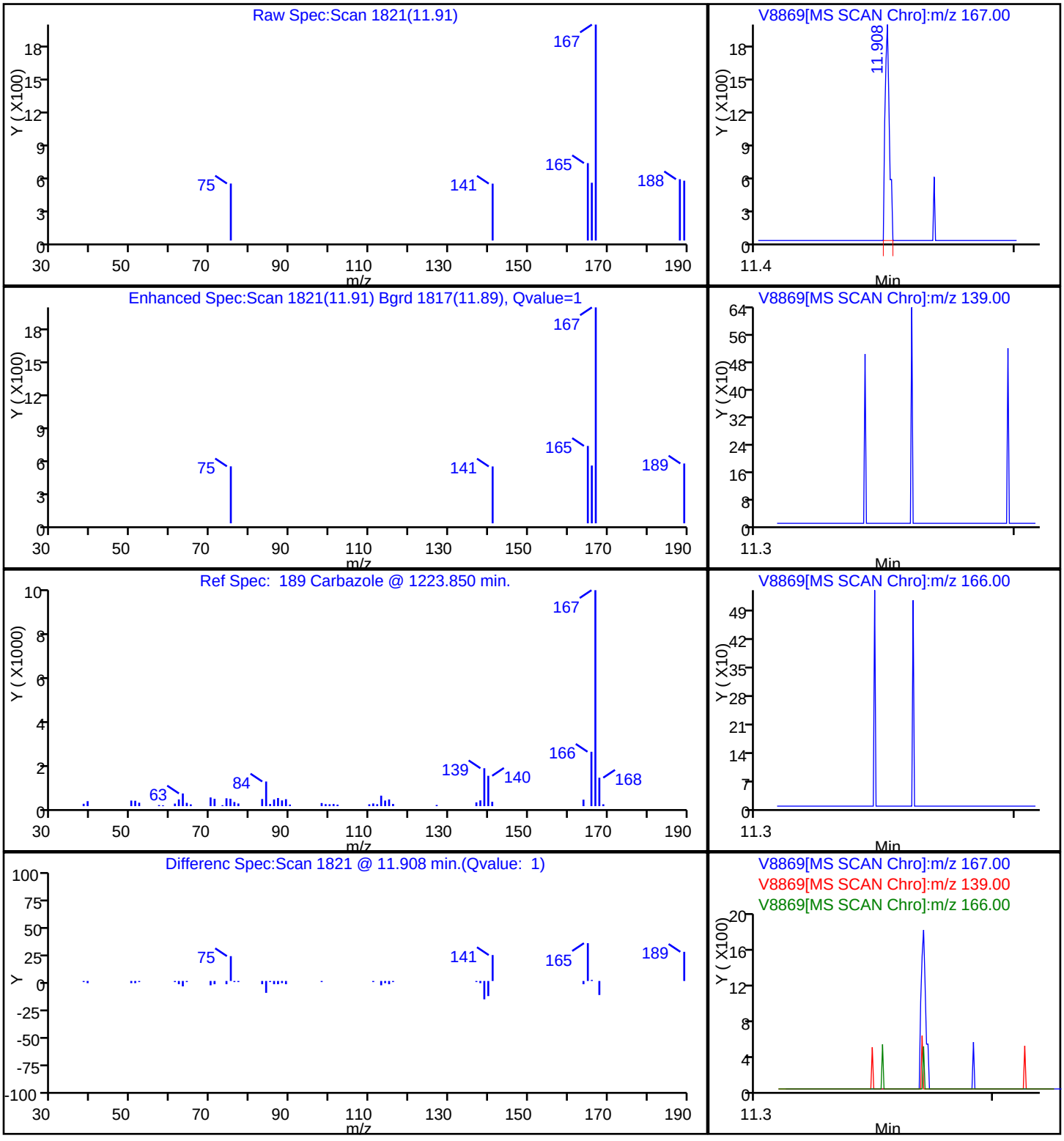


Report Date: 12-Apr-2012 10:48:41 Chrom Revision: 2.0 20-Feb-2012 13:27:02

Data File: \\Bufchrom\ChromData\HP5973V\20120411-10911.b\V8869.D

Injection Date:	12-Apr-2012 00:17:30	Limit Group:	MB - 8270C ICAL
Client ID:	RB-12 (0-6")	Instrument ID:	HP5973V
Lims Batch ID:	59155	Lims Sample ID:	11
Operator ID:	HL	Injection Vol:	1.00 ul
Column Type:	RXI-5Sil MS	Column Dia:	0.25 mm

189 Carbazole

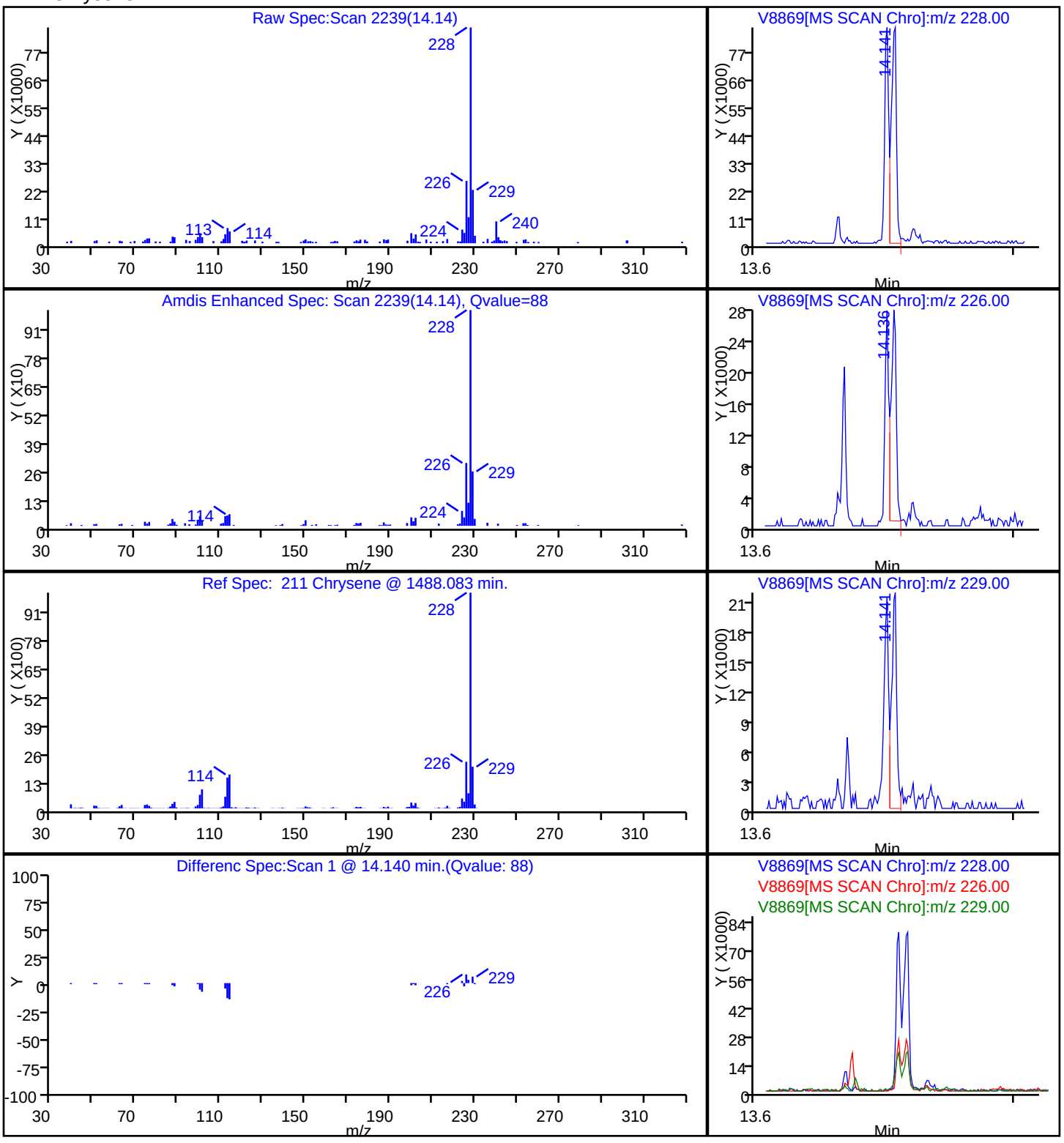


Report Date: 12-Apr-2012 10:48:41 Chrom Revision: 2.0 20-Feb-2012 13:27:02

Data File: \\Bufchrom\ChromData\HP5973V\20120411-10911.b\V8869.D

Injection Date:	12-Apr-2012 00:17:30	Limit Group:	MB - 8270C ICAL
Client ID:	RB-12 (0-6")	Instrument ID:	HP5973V
Lims Batch ID:	59155	Lims Sample ID:	11
Operator ID:	HL	Injection Vol:	1.00 ul
Column Type:	RXI-5Sil MS	Column Dia:	0.25 mm

211 Chrysene

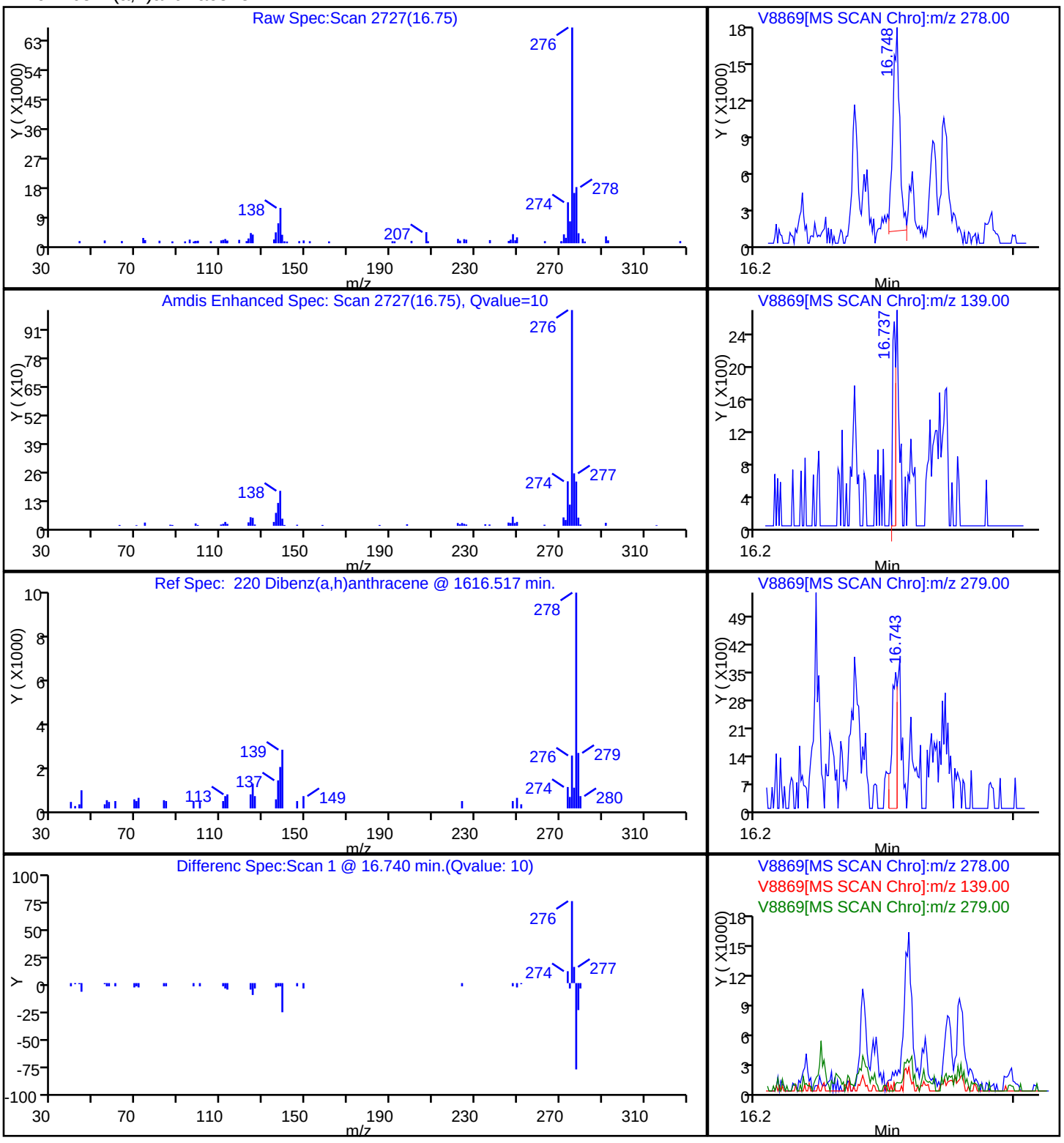


Report Date: 12-Apr-2012 10:48:41 Chrom Revision: 2.0 20-Feb-2012 13:27:02

Data File: \\Bufchrom\ChromData\HP5973V\20120411-10911.b\V8869.D

Injection Date:	12-Apr-2012 00:17:30	Limit Group:	MB - 8270C ICAL
Client ID:	RB-12 (0-6")	Instrument ID:	HP5973V
Lims Batch ID:	59155	Lims Sample ID:	11
Operator ID:	HL	Injection Vol:	1.00 ul
Column Type:	RXI-5Sil MS	Column Dia:	0.25 mm

220 Dibenz(a,h)anthracene

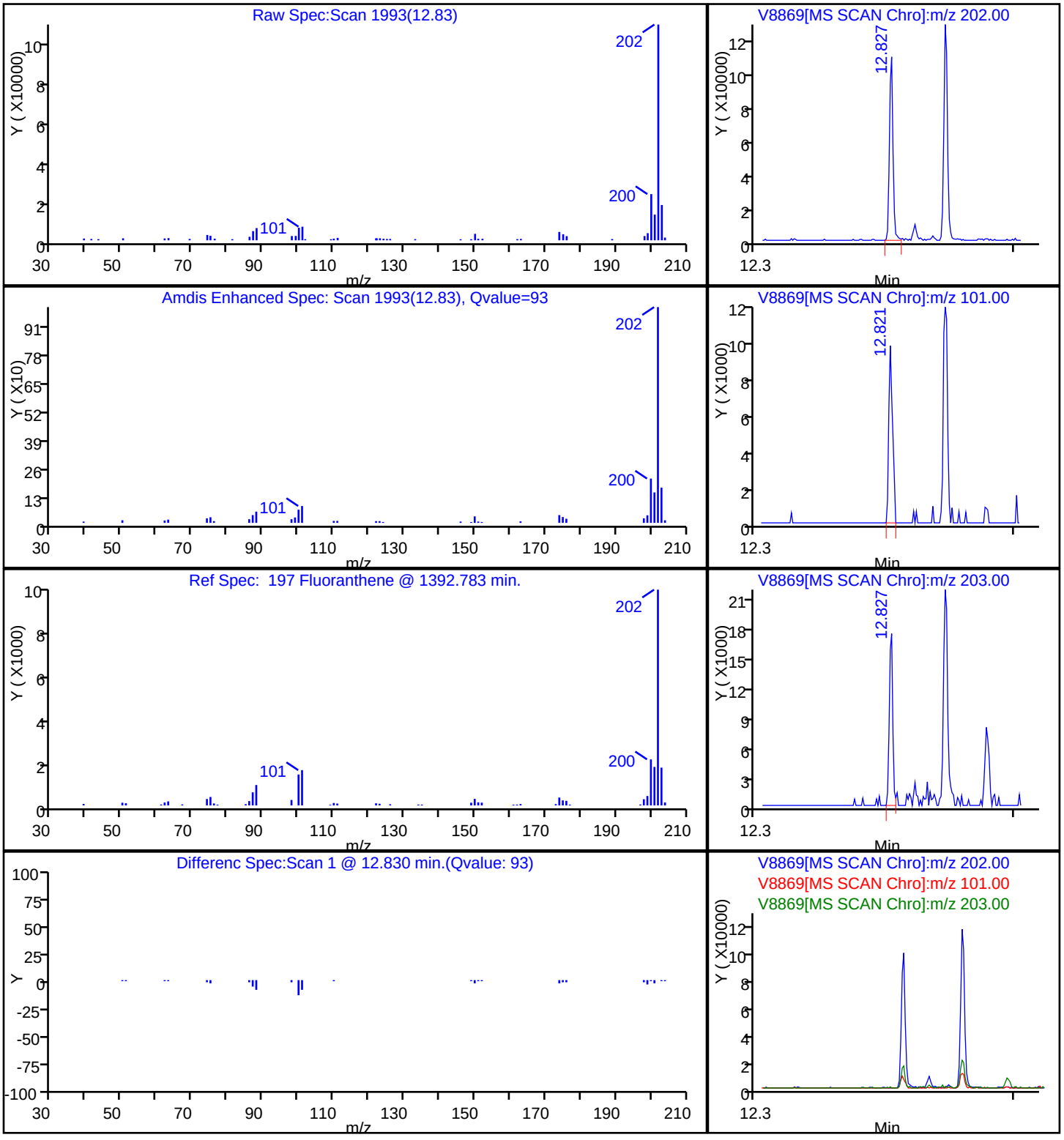


Report Date: 12-Apr-2012 10:48:41 Chrom Revision: 2.0 20-Feb-2012 13:27:02

Data File: \\Bufchrom\ChromData\HP5973V\20120411-10911.b\V8869.D

Injection Date:	12-Apr-2012 00:17:30	Limit Group:	MB - 8270C ICAL
Client ID:	RB-12 (0-6")	Instrument ID:	HP5973V
Lims Batch ID:	59155	Lims Sample ID:	11
Operator ID:	HL	Injection Vol:	1.00 ul
Column Type:	RXI-5Sil MS	Column Dia:	0.25 mm

197 Fluoranthene

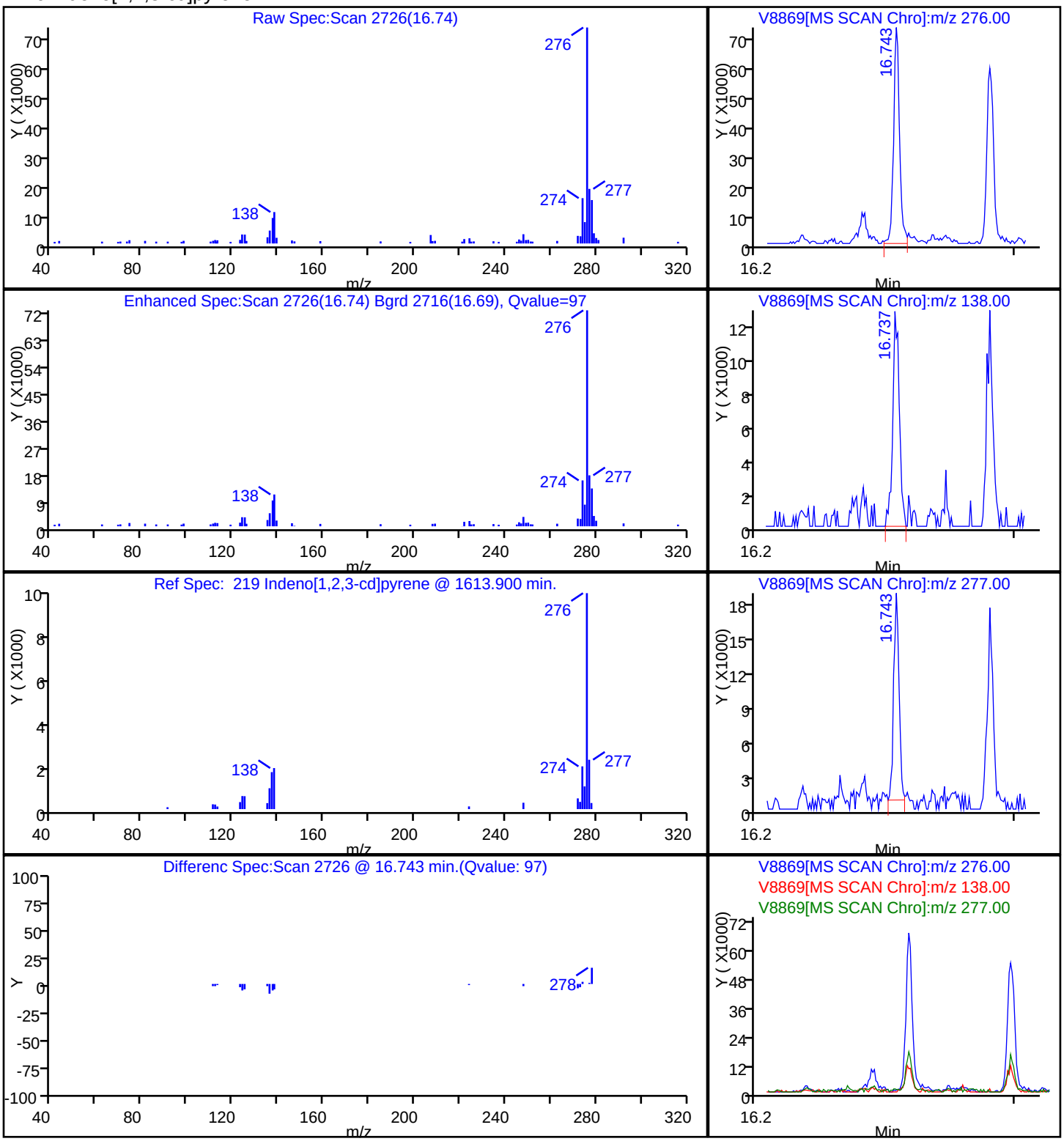


Report Date: 12-Apr-2012 10:48:41 Chrom Revision: 2.0 20-Feb-2012 13:27:02

Data File: \\Bufchrom\ChromData\HP5973V\20120411-10911.b\V8869.D

Injection Date:	12-Apr-2012 00:17:30	Limit Group:	MB - 8270C ICAL
Client ID:	RB-12 (0-6")	Instrument ID:	HP5973V
Lims Batch ID:	59155	Lims Sample ID:	11
Operator ID:	HL	Injection Vol:	1.00 ul
Column Type:	RXI-5Sil MS	Column Dia:	0.25 mm

219 Indeno[1,2,3-cd]pyrene

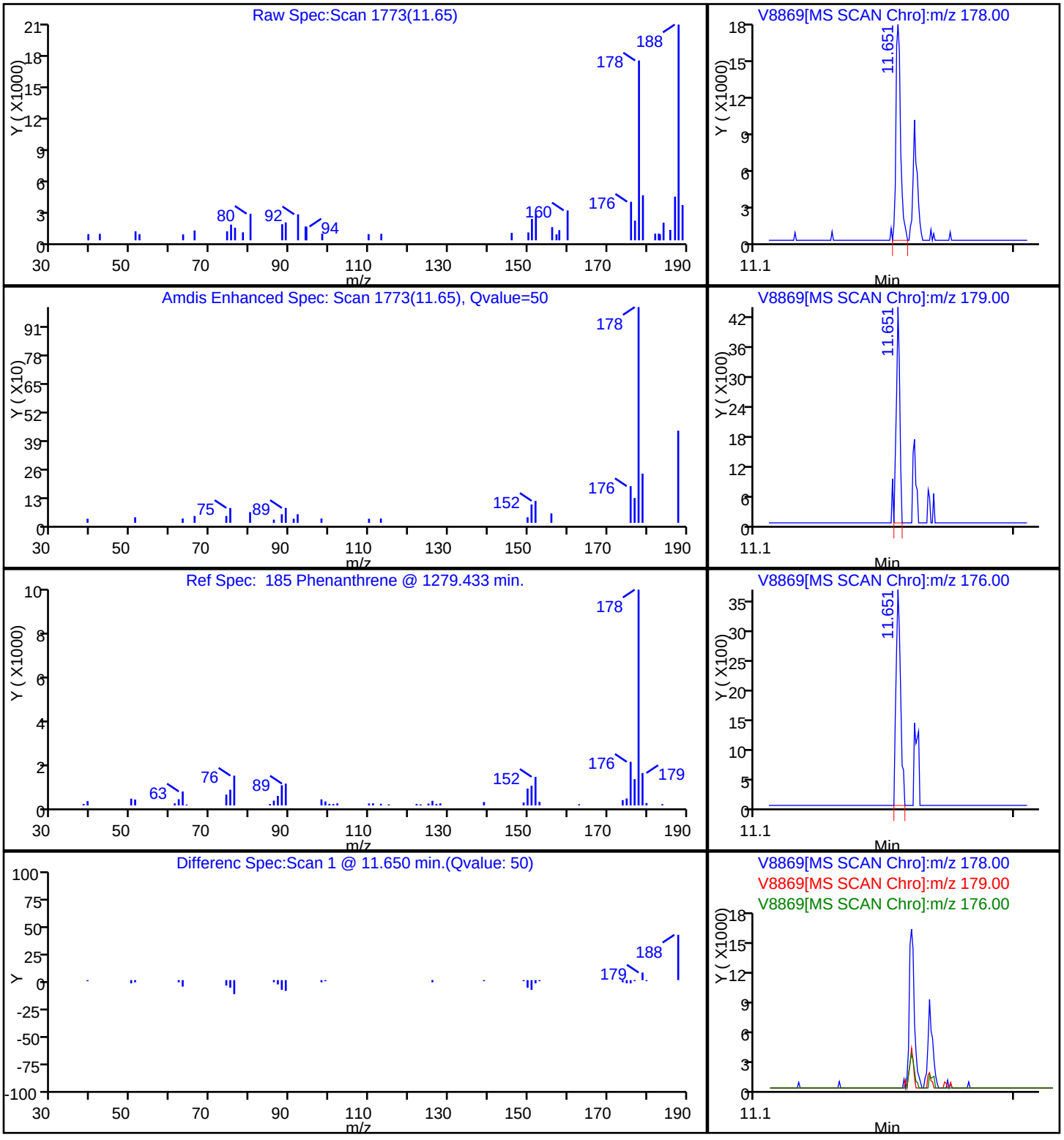


Report Date: 12-Apr-2012 10:48:41 Chrom Revision: 2.0 20-Feb-2012 13:27:02

Data File: \\Bufchrom\ChromData\HP5973V\20120411-10911.b\V8869.D

Injection Date:	12-Apr-2012 00:17:30	Limit Group:	MB - 8270C ICAL
Client ID:	RB-12 (0-6")	Instrument ID:	HP5973V
Lims Batch ID:	59155	Lims Sample ID:	11
Operator ID:	HL	Injection Vol:	1.00 ul
Column Type:	RXI-5Sil MS	Column Dia:	0.25 mm

185 Phenanthrene

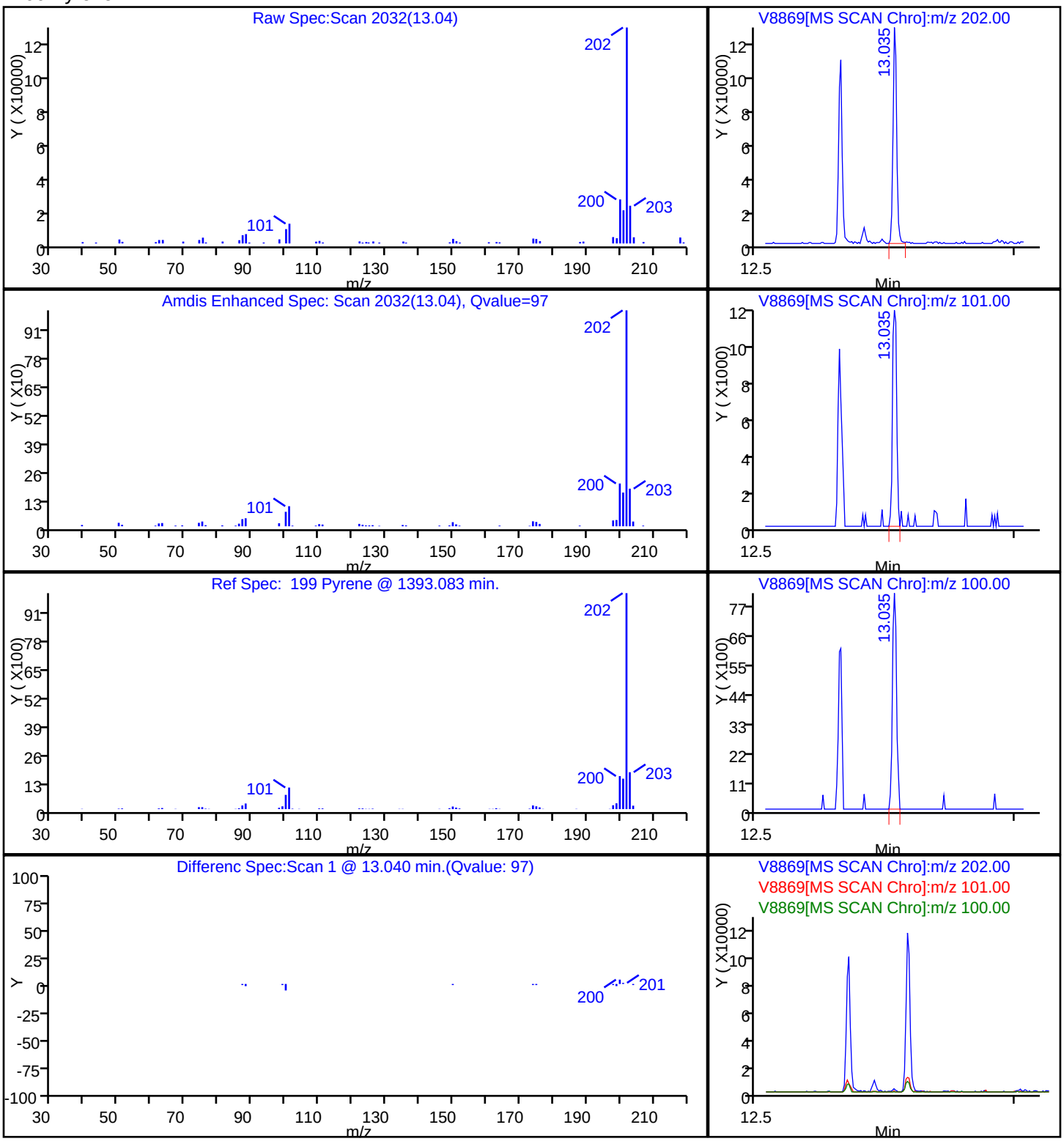


Report Date: 12-Apr-2012 10:48:41 Chrom Revision: 2.0 20-Feb-2012 13:27:02

Data File: \\Bufchrom\ChromData\HP5973V\20120411-10911.b\V8869.D

Injection Date:	12-Apr-2012 00:17:30	Limit Group:	MB - 8270C ICAL
Client ID:	RB-12 (0-6")	Instrument ID:	HP5973V
Lims Batch ID:	59155	Lims Sample ID:	11
Operator ID:	HL	Injection Vol:	1.00 ul
Column Type:	RXI-5Sil MS	Column Dia:	0.25 mm

199 Pyrene



Report Date: 12-Apr-2012 10:48:41 Chrom Revision: 2.0 20-Feb-2012 13:27:02

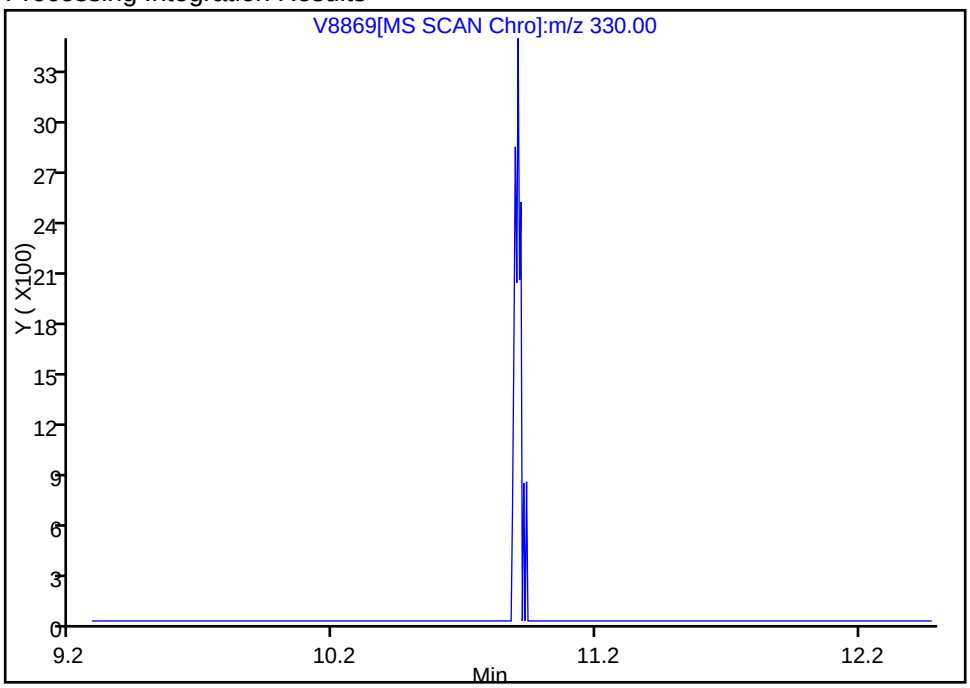
Manual Integration/User Assign Peak Report

Data File:	\\Bufchrom\ChromData\HP5973V\20120411-10911.b\V8869.D		
Injection Date:	12-Apr-2012 00:17:30	Limit Group:	MB - 8270C ICAL
Client ID:	RB-12 (0-6")	Instrument ID:	HP5973V
Lims Batch ID:	59155	Lims Sample ID:	11
Operator ID:	HL	Injection Vol:	1.00 ul
Column Type:	RXI-5Sil MS	Column Dia:	0.25 mm

$ 13 2,4,6-Tribromophenol, Signal: 1, m/z: 330.0 Type: quant, RT: 10.88

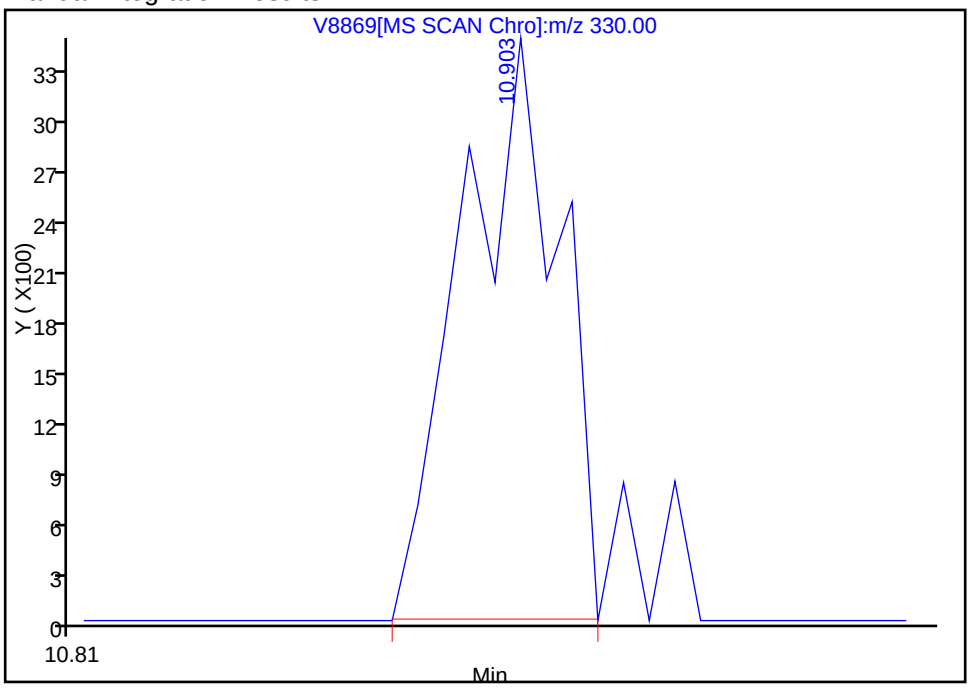
Not Detected
Expected RT: 10.88

Processing Integration Results



Manual Integration Results

RT: 10.90
Response: 4849
Amount: 5.211208



Reviewer: lyh, 12-Apr-2012 10:48:41
Audit Action: Manually Integrated
Audit Reason: Assign Peak

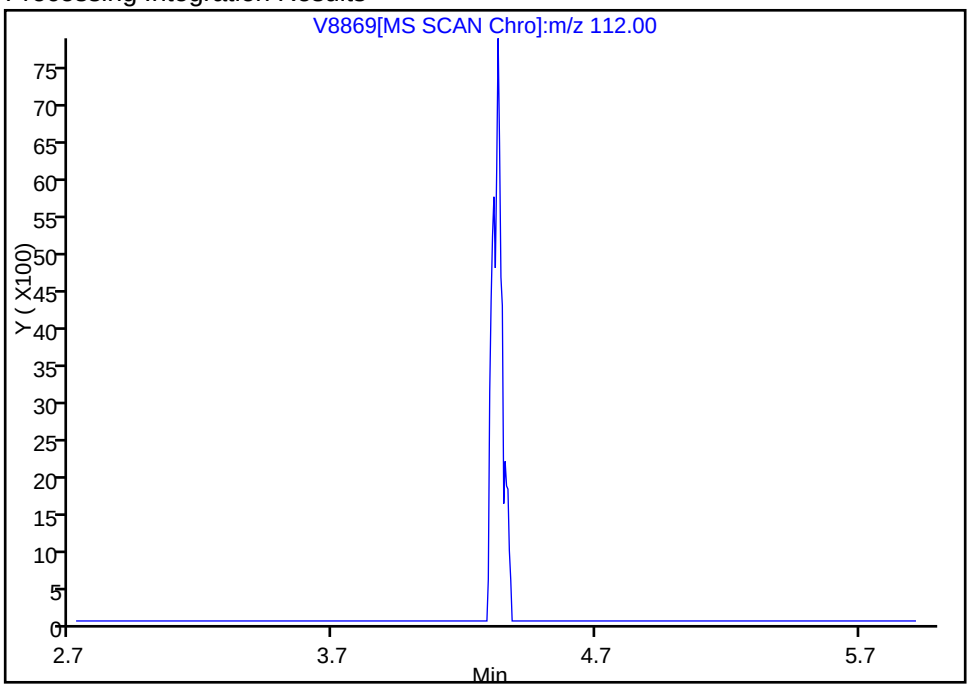
Manual Integration/User Assign Peak Report

Data File:	\\Bufchrom\ChromData\HP5973V\20120411-10911.b\V8869.D		
Injection Date:	12-Apr-2012 00:17:30	Limit Group:	MB - 8270C ICAL
Client ID:	RB-12 (0-6")	Instrument ID:	HP5973V
Lims Batch ID:	59155	Lims Sample ID:	11
Operator ID:	HL	Injection Vol:	1.00 ul
Column Type:	RXI-5Sil MS	Column Dia:	0.25 mm

$ 9 2-Fluorophenol, Signal: 1, m/z: 112.0 Type: quant, RT: 4.32

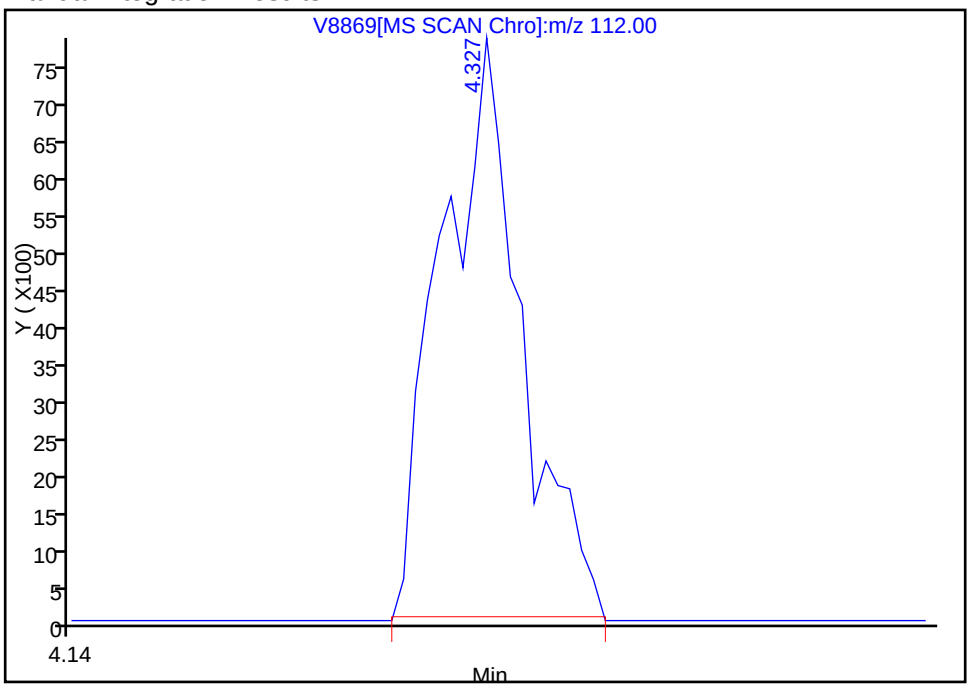
Not Detected
Expected RT: 4.32

Processing Integration Results



Manual Integration Results

RT: 4.33
Response: 19377
Amount: 4.712439



Reviewer: lyh, 12-Apr-2012 10:48:41
Audit Action: Manually Integrated
Audit Reason: Assign Peak

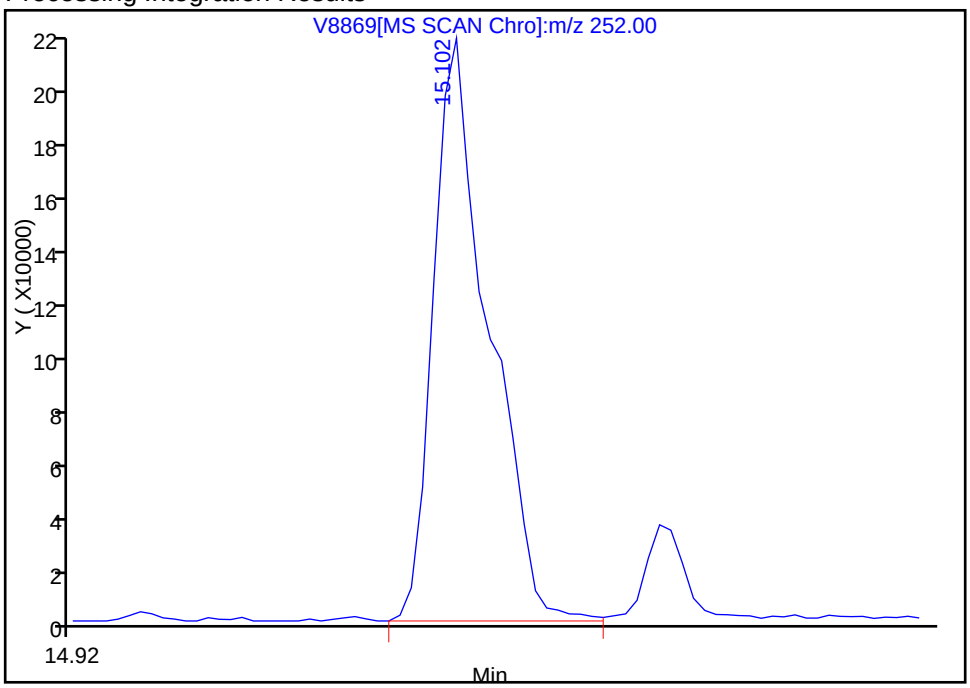
Manual Integration/User Assign Peak Report

Data File:	\\Bufchrom\ChromData\HP5973V\20120411-10911.b\V8869.D		
Injection Date:	12-Apr-2012 00:17:30	Limit Group:	MB - 8270C ICAL
Client ID:	RB-12 (0-6")	Instrument ID:	HP5973V
Lims Batch ID:	59155	Lims Sample ID:	11
Operator ID:	HL	Injection Vol:	1.00 ul
Column Type:	RXI-5Sil MS	Column Dia:	0.25 mm

213 Benzo[b]fluoranthene, Signal: 1, m/z: 252.0 Type: quant, RT: 15.10

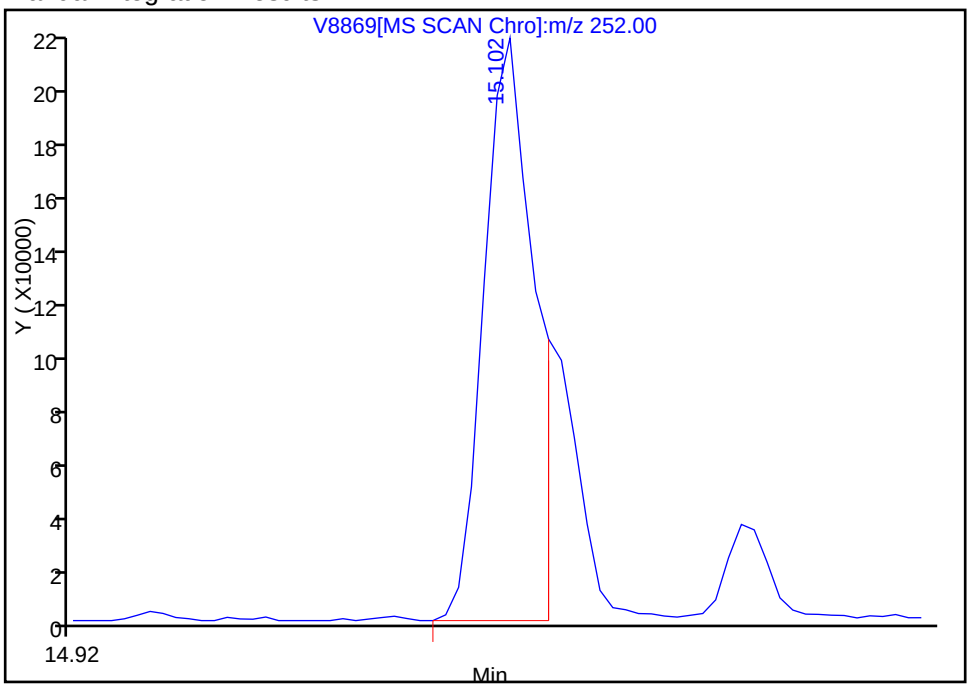
Processing Integration Results

RT: 15.10
Response: 393592
Amount: 26.077217



Manual Integration Results

RT: 15.10
Response: 319926
Amount: 21.196518



Reviewer: lyh, 12-Apr-2012 10:48:41
Audit Action: Split an Integrated Peak
Audit Reason: Coelution

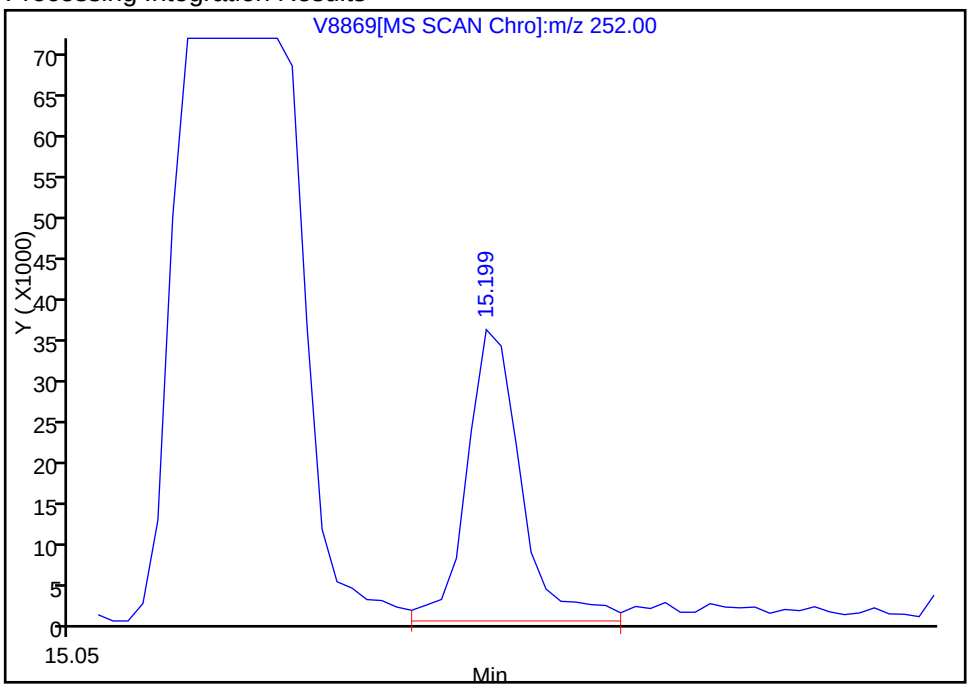
Manual Integration/User Assign Peak Report

Data File:	\\Bufchrom\ChromData\HP5973V\20120411-10911.b\V8869.D		
Injection Date:	12-Apr-2012 00:17:30	Limit Group:	MB - 8270C ICAL
Client ID:	RB-12 (0-6")	Instrument ID:	HP5973V
Lims Batch ID:	59155	Lims Sample ID:	11
Operator ID:	HL	Injection Vol:	1.00 ul
Column Type:	RXI-5Sil MS	Column Dia:	0.25 mm

214 Benzo[k]fluoranthene, Signal: 1, m/z: 252.0 Type: quant, RT: 15.13

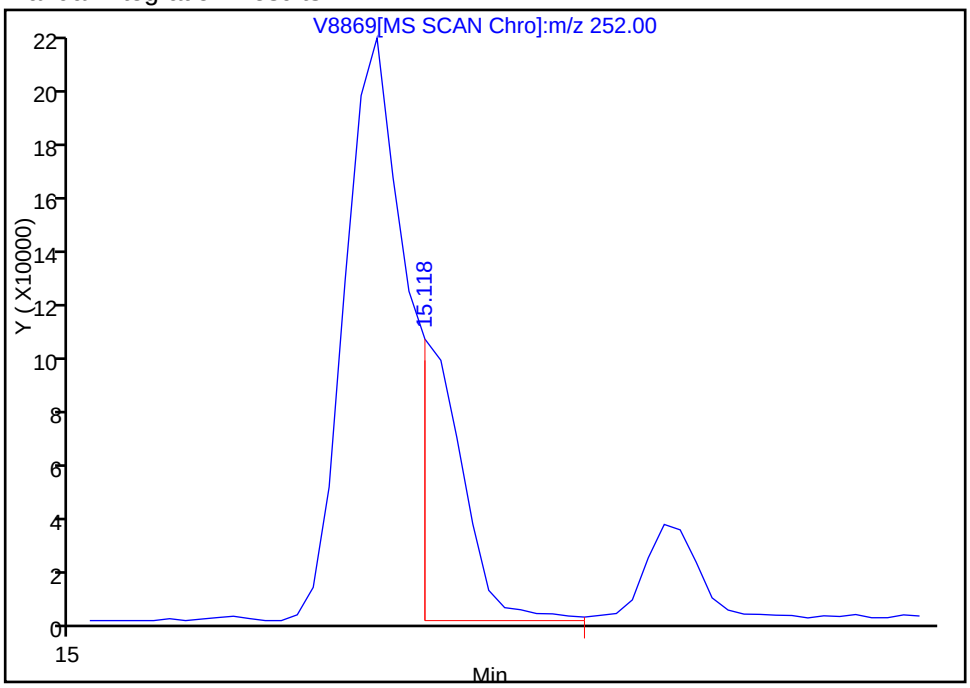
Processing Integration Results

RT: 15.20
Response: 48321
Amount: 2.791392



Manual Integration Results

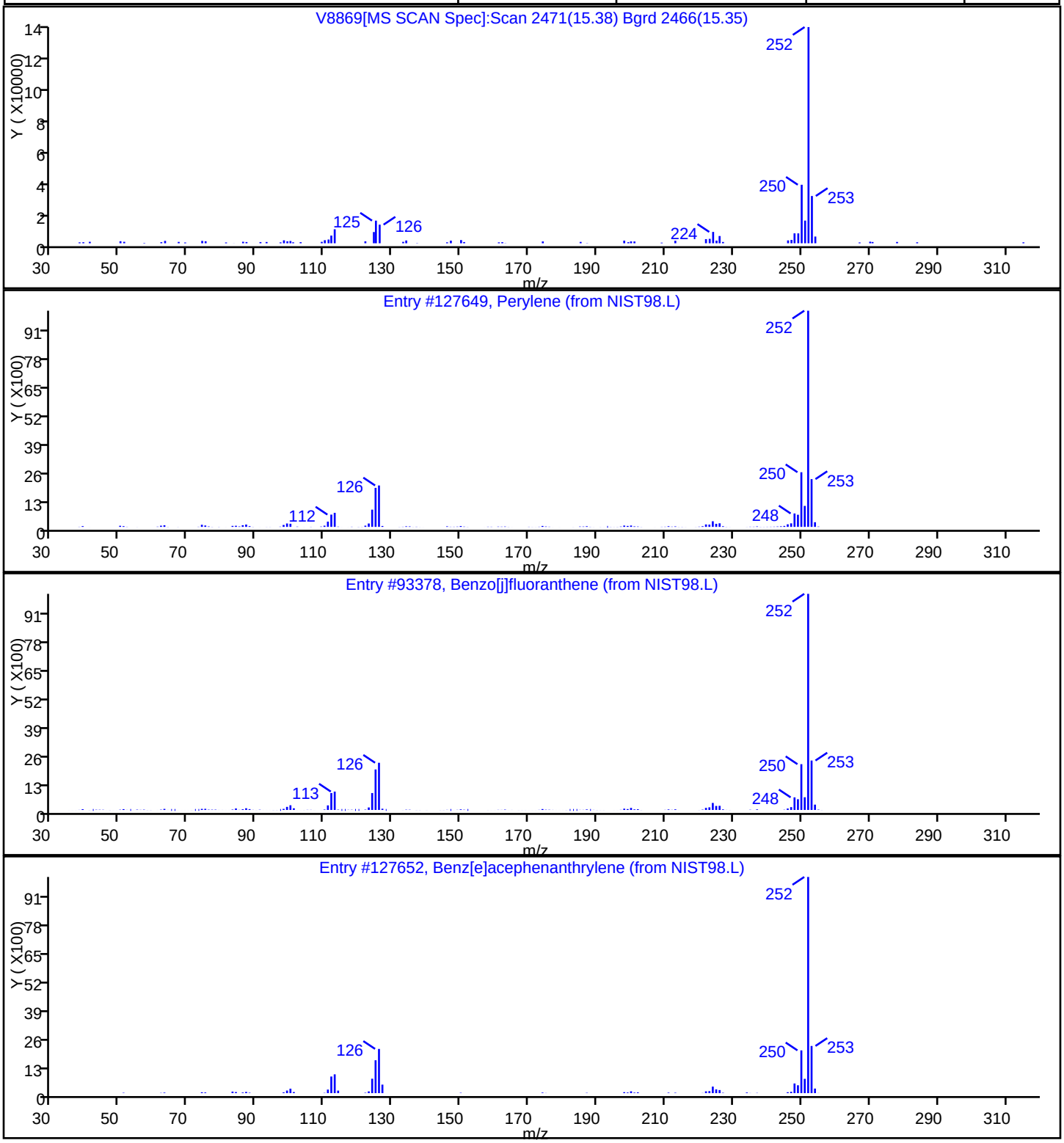
RT: 15.12
Response: 107352
Amount: 6.201475



Reviewer: lyh, 12-Apr-2012 10:48:41
Audit Action: Split an Integrated Peak
Audit Reason: Coelution

Report Date: 12-Apr-2012 10:48:41 Chrom Revision: 2.0 20-Feb-2012 13:27:02
Data File: \\Bufchrom\ChromData\HP5973V\20120411-10911.b\V8869.D
Injection Date: 12-Apr-2012 00:17:30 Limit Group: MB - 8270C ICAL
Client ID: RB-12 (0-6") Instrument ID: HP5973V
Lims Batch ID: 59155 Lims Sample ID: 11
Operator ID: HL 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	127649	94
Benzo[j]fluoranthene	205-82-3	NIST98.L	93378	91
Benz[e]acephenanthrylene	205-99-2	NIST98.L	127652	91



FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Buffalo | Job No.: 480-18292-1

SDG No.:

Client Sample ID: RB-01 (0-6") | Lab Sample ID: 480-18292-5

Matrix: Solid | Lab File ID: V8870.D

Analysis Method: 8270C | Date Collected: 04/05/2012 15:45

Extract. Method: 3550B | Date Extracted: 04/10/2012 07:39

Sample wt/vol: +30.50(g) | Date Analyzed: 04/12/2012 00:42

Con. Extract Vol.: 1(mL) | Dilution Factor: 20

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

% Moisture: 10.7 | GPC Cleanup:(Y/N) N

Analysis Batch No.: 59155 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
95-95-4	2,4,5-Trichlorophenol	ND		3700	810
88-06-2	2,4,6-Trichlorophenol	ND		3700	250
120-83-2	2,4-Dichlorophenol	ND		3700	190
105-67-9	2,4-Dimethylphenol	ND		3700	1000
51-28-5	2,4-Dinitrophenol	ND		7300	1300
121-14-2	2,4-Dinitrotoluene	ND		3700	580
606-20-2	2,6-Dinitrotoluene	ND		3700	910
91-58-7	2-Chloronaphthalene	ND		3700	250
95-57-8	2-Chlorophenol	ND		3700	190
91-57-6	2-Methylnaphthalene	200	J	3700	45
95-48-7	2-Methylphenol	ND		3700	110
88-74-4	2-Nitroaniline	ND		7300	1200
88-75-5	2-Nitrophenol	ND		3700	170
91-94-1	3,3'-Dichlorobenzidine	ND		3700	3300
99-09-2	3-Nitroaniline	ND		7300	860
534-52-1	4,6-Dinitro-2-methylphenol	ND		7300	1300
101-55-3	4-Bromophenyl phenyl ether	ND		3700	1200
59-50-7	4-Chloro-3-methylphenol	ND		3700	150
106-47-8	4-Chloroaniline	ND		3700	1100
7005-72-3	4-Chlorophenyl phenyl ether	ND		3700	79
106-44-5	4-Methylphenol	ND		7300	210
100-01-6	4-Nitroaniline	ND		7300	420
100-02-7	4-Nitrophenol	ND		7300	900
83-32-9	Acenaphthene	ND		3700	44
208-96-8	Acenaphthylene	ND		3700	30
98-86-2	Acetophenone	ND		3700	190
120-12-7	Anthracene	ND		3700	95
1912-24-9	Atrazine	ND		3700	170
100-52-7	Benzaldehyde	ND		3700	410
56-55-3	Benzo(a)anthracene	1400	J	3700	64
50-32-8	Benzo(a)pyrene	1800	J	3700	90
205-99-2	Benzo(b)fluoranthene	2700	J	3700	72
191-24-2	Benzo(g,h,i)perylene	1300	J	3700	45
207-08-9	Benzo(k)fluoranthene	1100	J	3700	41

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Buffalo | Job No.: 480-18292-1

SDG No.:

Client Sample ID: RB-01 (0-6") | Lab Sample ID: 480-18292-5

Matrix: Solid | Lab File ID: V8870.D

Analysis Method: 8270C | Date Collected: 04/05/2012 15:45

Extract. Method: 3550B | Date Extracted: 04/10/2012 07:39

Sample wt/vol: +30.50(g) | Date Analyzed: 04/12/2012 00:42

Con. Extract Vol.: 1(mL) | Dilution Factor: 20

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

% Moisture: 10.7 | GPC Cleanup:(Y/N) N

Analysis Batch No.: 59155 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
92-52-4	Biphenyl	ND		3700	230
108-60-1	bis (2-chloroisopropyl) ether	ND		3700	390
111-91-1	Bis(2-chloroethoxy)methane	ND		3700	200
111-44-4	Bis(2-chloroethyl)ether	ND		3700	320
117-81-7	Bis(2-ethylhexyl) phthalate	2700	J	3700	1200
85-68-7	Butyl benzyl phthalate	ND		3700	1000
105-60-2	Caprolactam	ND		3700	1600
86-74-8	Carbazole	ND		3700	43
218-01-9	Chrysene	1600	J	3700	37
53-70-3	Dibenz(a,h)anthracene	2600	J	3700	44
132-64-9	Dibenzofuran	ND		3700	39
84-66-2	Diethyl phthalate	ND		3700	110
131-11-3	Dimethyl phthalate	ND		3700	97
84-74-2	Di-n-butyl phthalate	ND		3700	1300
117-84-0	Di-n-octyl phthalate	ND		3700	87
206-44-0	Fluoranthene	1600	J	3700	54
86-73-7	Fluorene	ND		3700	86
118-74-1	Hexachlorobenzene	ND		3700	180
87-68-3	Hexachlorobutadiene	ND		3700	190
77-47-4	Hexachlorocyclopentadiene	ND		3700	1100
67-72-1	Hexachloroethane	ND		3700	290
193-39-5	Indeno(1,2,3-cd)pyrene	1100	J	3700	100
78-59-1	Isophorone	ND		3700	190
91-20-3	Naphthalene	ND		3700	62
98-95-3	Nitrobenzene	ND		3700	160
621-64-7	N-Nitrosodi-n-propylamine	ND		3700	290
86-30-6	N-Nitrosodiphenylamine	ND		3700	200
87-86-5	Pentachlorophenol	ND		7300	1300
85-01-8	Phenanthrene	760	J	3700	78
108-95-2	Phenol	ND		3700	390
129-00-0	Pyrene	1500	J	3700	24

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Buffalo | Job No.: 480-18292-1

SDG No.:

Client Sample ID: RB-01 (0-6") | Lab Sample ID: 480-18292-5

Matrix: Solid | Lab File ID: V8870.D

Analysis Method: 8270C | Date Collected: 04/05/2012 15:45

Extract. Method: 3550B | Date Extracted: 04/10/2012 07:39

Sample wt/vol: +30.50(g) | Date Analyzed: 04/12/2012 00:42

Con. Extract Vol.: 1(mL) | Dilution Factor: 20

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

% Moisture: 10.7 | GPC Cleanup:(Y/N) N

Analysis Batch No.: 59155 | Units: ug/Kg

CAS NO.	SURROGATE	%REC	Q	LIMITS
118-79-6	2,4,6-Tribromophenol	37	X	39-146
321-60-8	2-Fluorobiphenyl	65		37-120
367-12-4	2-Fluorophenol	52		18-120
4165-60-0	Nitrobenzene-d5	55		34-132
4165-62-2	Phenol-d5	53		11-120
1718-51-0	p-Terphenyl-d14	82		65-153

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

Lab Name: TestAmerica Buffalo | Job No.: 480-18292-1

SDG No.:

Client Sample ID: RB-01 (0-6") | Lab Sample ID: 480-18292-5

Matrix: Solid | Lab File ID: V8870.D

Analysis Method: 8270C | Date Collected: 04/05/2012 15:45

Extract. Method: 3550B | Date Extracted: 04/10/2012 07:39

Sample wt/vol: +30.50(g) | Date Analyzed: 04/12/2012 00:42

Con. Extract Vol.: 1(mL) | Dilution Factor: 20

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

% Moisture: 10.7 | GPC Cleanup:(Y/N) N

Analysis Batch No.: 59155 | 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\HP5973V\20120411-10911.b\V8870.D		
Lims ID:	480-18292-C-5-D	Client ID:	RB-01 (0-6")
Inject. Date:	12-Apr-2012 00:42:30	Dil. Factor:	20.0000
Sample Type:	Client		
Sample ID:	480-0010911-012		
Misc. Info.:	480-18292-C-5-D		
Operator:	HL	Instrument ID:	HP5973V
Vol. Injected:	1.0000	ALS Bottle#:	35
Lims Batch ID:	59155	Lims Sample ID:	12
Detector:	MS SCAN		
Method:	\\Bufchrom\ChromData\HP5973V\20120411-10911.b\V-8270.m		
Last Update:	12-Apr-2012 10:55:19	Calib Date:	09-Apr-2012 16:15:30
Quant Method:	Internal Standard	Quant By:	Initial Calibration
Last ICal File:	\\Bufchrom\ChromData\HP5973V\20120409-10827.b\V8763.D		
Limit Group:	MB - 8270C ICAL		
Integrator:	RTE	ID Type:	Deconvolution ID
Process Host:	CORP-CTX-19		
First Level Reviewer: lyh		Date:	12-Apr-2012 10:55:19

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ng/uL	Flags
* 1 1,4-Dichlorobenzene-d4	152	6.010	6.005	0.005	96	125099	40.0	
* 2 Naphthalene-d8	136	7.666	7.661	0.005	99	463885	40.0	
* 3 Acenaphthene-d10	164	9.926	9.926	0.0	91	294821	40.0	
* 4 Phenanthrene-d10	188	11.625	11.625	0.0	97	489647	40.0	
* 5 Chrysene-d12	240	14.114	14.120	-0.006	94	507668	40.0	
* 6 Perylene-d12	264	15.498	15.498	0.0	99	553648	40.0	
$ 9 2-Fluorophenol	112	4.327	4.317	0.010	1	16808	3.91	M
$ 10 Phenol-d5	99	5.545	5.535	0.010	56	22709	3.98	M
$ 11 Nitrobenzene-d5	82	6.742	6.737	0.005	50	13442	2.73	
$ 12 2-Fluorobiphenyl	172	9.076	9.066	0.010	73	29898	3.23	
$ 13 2,4,6-Tribromophenol	330	10.893	10.877	0.016	1	2740	2.78	
$ 14 p-Terphenyl-d14	244	13.169	13.169	0.0	75	45202	4.10	
88 Benzaldehyde	77		5.444					
89 Phenol	94		5.551					
91 Bis(2-chloroethyl)ether	93		5.668					
93 2-Chlorophenol	128		5.732					
98 2-Methylphenol	108		6.341					
99 2,2'-oxybis[1-chloropropane]	45		6.368					
104 Acetophenone	105		6.539					
101 N-Nitrosodi-n-propylamine	70		6.544					
102 4-Methylphenol	108		6.550					
106 Hexachloroethane	117		6.662					
107 Nitrobenzene	77		6.758					
110 Isophorone	82		7.073					
111 2-Nitrophenol	139		7.175					
112 2,4-Dimethylphenol	107		7.244					
115 Bis(2-chloroethoxy)methane	93		7.362					
117 2,4-Dichlorophenol	162		7.490					
121 Naphthalene	128		7.693					
123 4-Chloroaniline	127		7.778					
126 Hexachlorobutadiene	225		7.853					

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ng/uL	Flags
127 Caprolactam	113		8.222					
131 4-Chloro-3-methylphenol	107		8.414					
133 2-Methylnaphthalene	142	8.617	8.590	0.027	1	2235	0.2790	
136 Hexachlorocyclopentadiene	237		8.788					
139 2,4,6-Trichlorophenol	196		8.959					
140 2,4,5-Trichlorophenol	196		9.012					
144 1,1'-Biphenyl	154		9.194					
143 2-Chloronaphthalene	162		9.215					
145 2-Nitroaniline	65		9.370					
147 Dimethyl phthalate	163		9.605					
148 2,6-Dinitrotoluene	165		9.686					
149 Acenaphthylene	152		9.750					
150 3-Nitroaniline	138		9.910					
151 Acenaphthene	153		9.969					
152 2,4-Dinitrophenol	184		10.044					
153 4-Nitrophenol	109		10.150					
155 Dibenzofuran	168		10.182					
154 2,4-Dinitrotoluene	165		10.193					
160 Diethyl phthalate	149		10.482					
161 Fluorene	166		10.594					
162 4-Chlorophenyl phenyl ether	204		10.599					
164 4-Nitroaniline	138		10.653					
166 4,6-Dinitro-2-methylphenol	198		10.679					
167 N-Nitrosodiphenylamine	169		10.743					
176 4-Bromophenyl phenyl ether	248		11.149					
177 Hexachlorobenzene	284		11.213					
180 Atrazine	200		11.347					
181 Pentachlorophenol	266		11.433					
185 Phenanthrene	178	11.651	11.652	-0.001	18	13646	1.03	
188 Anthracene	178		11.705					
189 Carbazole	167		11.881					
192 Di-n-butyl phthalate	149		12.218					
197 Fluoranthene	202	12.827	12.827	0.0	86	30685	2.13	
199 Pyrene	202	13.040	13.041	-0.001	93	30959	2.08	
205 Butyl benzyl phthalate	149		13.596					
210 Bis(2-ethylhexyl) phthalate	149	14.077	14.077	0.0	85	13824	3.70	
208 3,3'-Dichlorobenzidine	252		14.082					
209 Benzo[a]anthracene	228	14.109	14.109	0.0	39	27885	1.97	
211 Chrysene	228	14.141	14.146	-0.005	20	31397	2.18	
212 Di-n-octyl phthalate	149		14.643					
213 Benzo[b]fluoranthene	252	15.102	15.103	-0.001	83	57376	3.63	
214 Benzo[k]fluoranthene	252	15.124	15.135	-0.011	1	26006	1.44	M
217 Benzo[a]pyrene	252	15.434	15.439	-0.005	55	33451	2.42	
219 Indeno[1,2,3-cd]pyrene	276	16.748	16.759	-0.011	81	22507	1.52	
220 Dibenz(a,h)anthracene	278	16.753	16.764	-0.011	1	7913	3.51	
221 Benzo[g,h,i]perylene	276	17.116	17.122	-0.006	65	22485	1.83	

QC Flag Legend

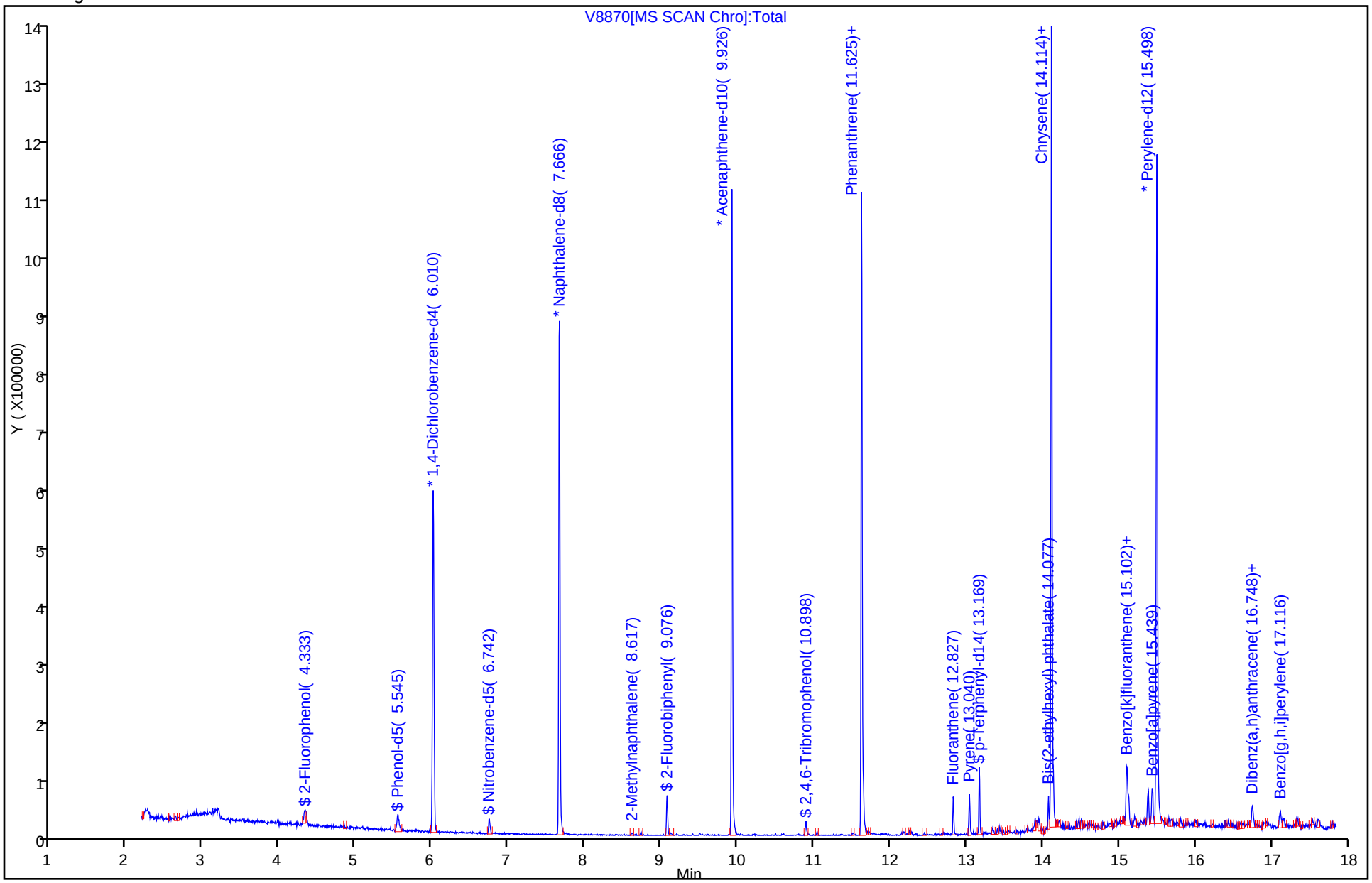
Review Flags
M - Manually Integrated

Report Date: 12-Apr-2012 10:55:20 Chrom Revision: 2.0 20-Feb-2012 13:27:02

Data File: \\Bufchrom\ChromData\HP5973V\20120411-10911.b\V8870.D

Injection Date:	12-Apr-2012 00:42:30	Limit Group:	MB - 8270C ICAL
Client ID:	RB-01 (0-6")	Instrument ID:	HP5973V
Lims Batch ID:	59155	Lims Sample ID:	12
Operator ID:	HL	Injection Vol:	1.00 ul
Column Type:	RXI-5Sil MS	Column Dia:	0.25 mm

Y Scaling:

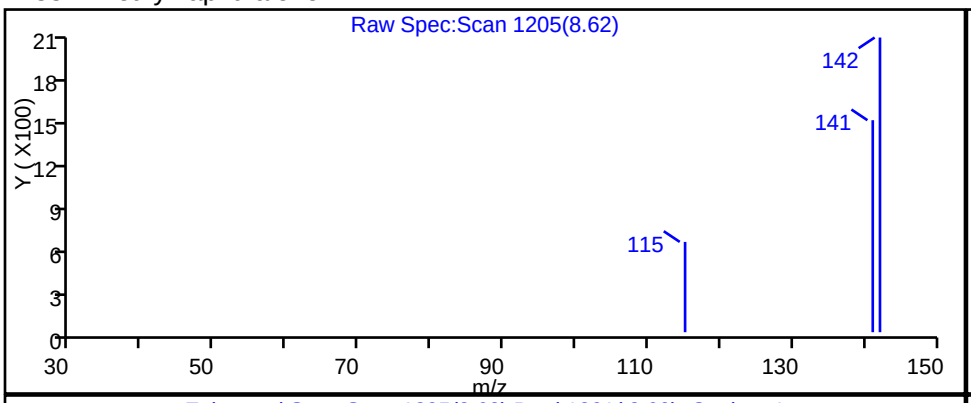


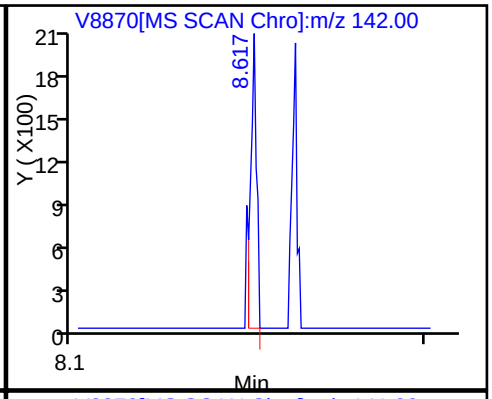
Report Date: 12-Apr-2012 10:55:20 Chrom Revision: 2.0 20-Feb-2012 13:27:02

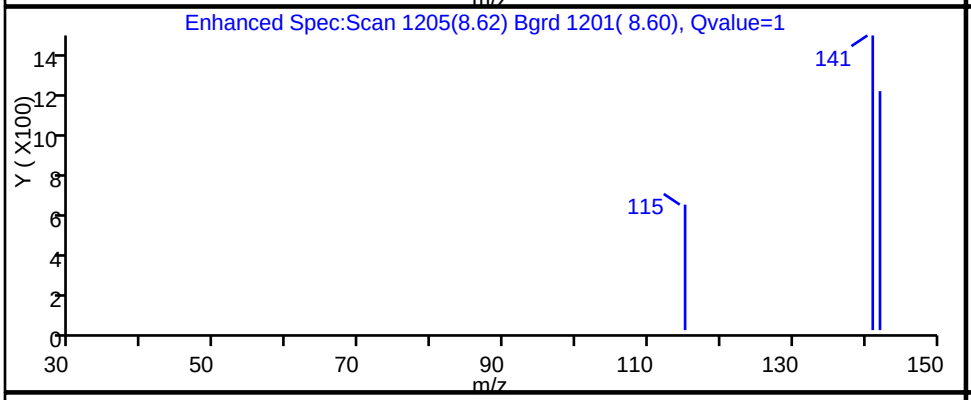
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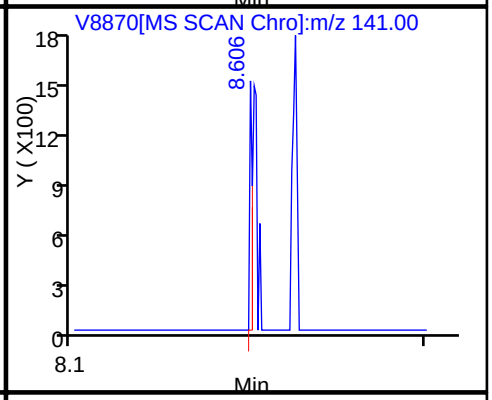
Injection Date:	12-Apr-2012 00:42:30	Limit Group:	MB - 8270C ICAL
Client ID:	RB-01 (0-6")	Instrument ID:	HP5973V
Lims Batch ID:	59155	Lims Sample ID:	12
Operator ID:	HL	Injection Vol:	1.00 ul
Column Type:	RXI-5Sil MS	Column Dia:	0.25 mm

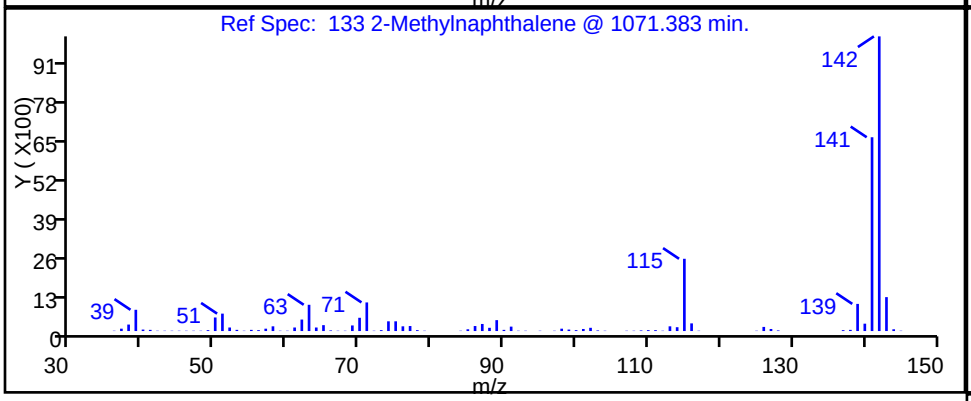
133 2-Methylnaphthalene

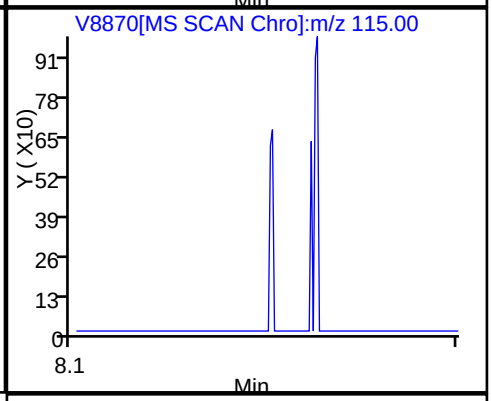


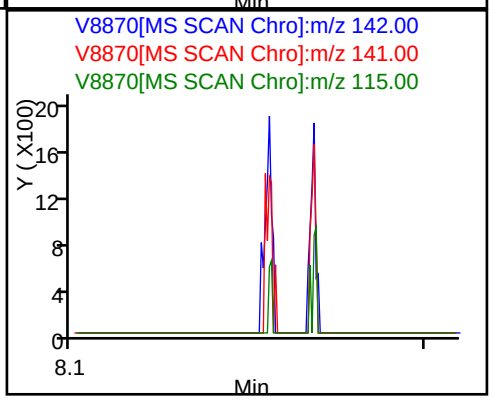










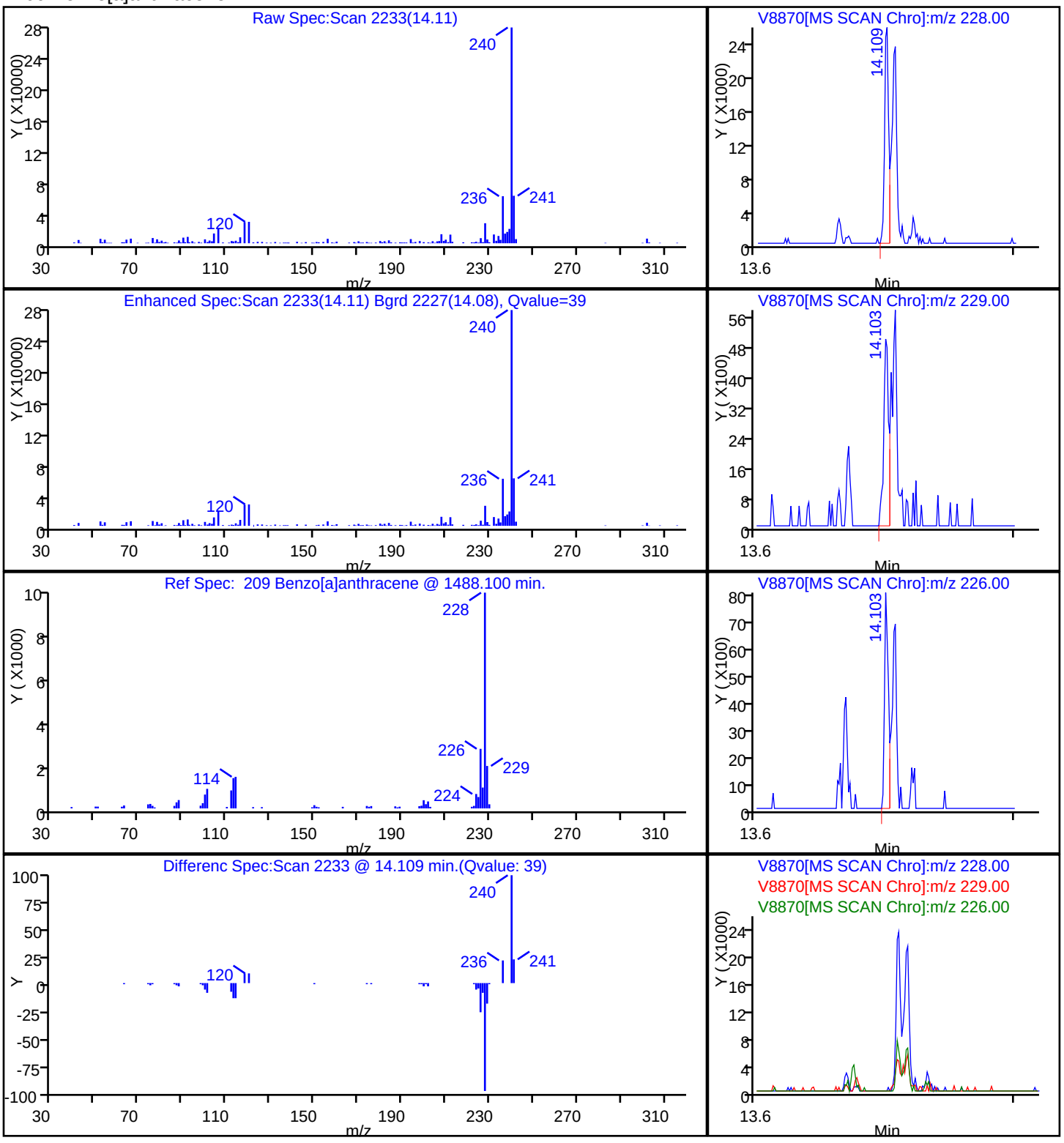


Report Date: 12-Apr-2012 10:55:20 Chrom Revision: 2.0 20-Feb-2012 13:27:02

Data File: \\Bufchrom\ChromData\HP5973V\20120411-10911.b\V8870.D

Injection Date:	12-Apr-2012 00:42:30	Limit Group:	MB - 8270C ICAL
Client ID:	RB-01 (0-6")	Instrument ID:	HP5973V
Lims Batch ID:	59155	Lims Sample ID:	12
Operator ID:	HL	Injection Vol:	1.00 ul
Column Type:	RXI-5Sil MS	Column Dia:	0.25 mm

209 Benzo[a]anthracene

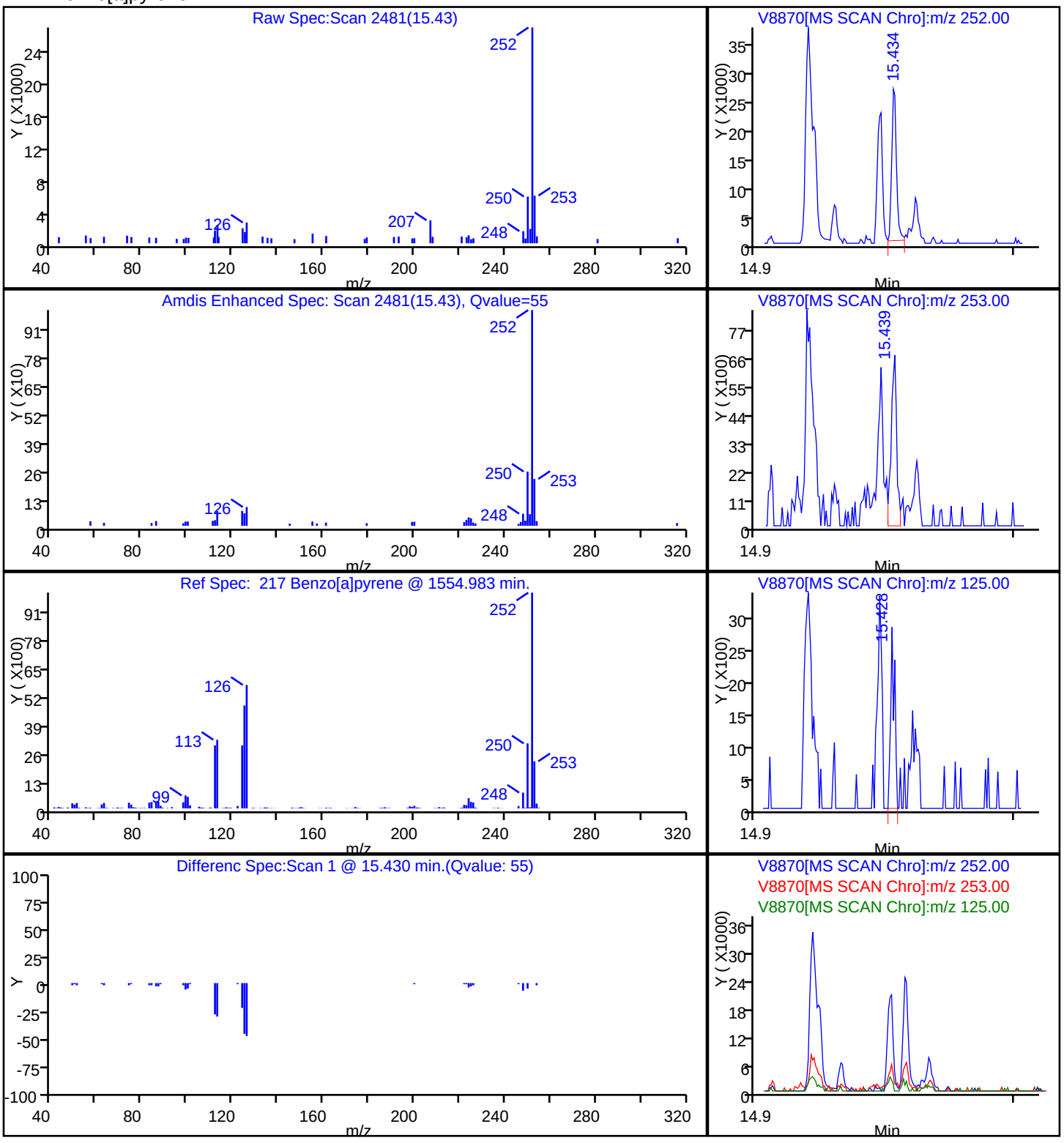


Report Date: 12-Apr-2012 10:55:20 Chrom Revision: 2.0 20-Feb-2012 13:27:02

Data File: \\Bufchrom\ChromData\HP5973V\20120411-10911.b\V8870.D

Injection Date:	12-Apr-2012 00:42:30	Limit Group:	MB - 8270C ICAL
Client ID:	RB-01 (0-6")	Instrument ID:	HP5973V
Lims Batch ID:	59155	Lims Sample ID:	12
Operator ID:	HL	Injection Vol:	1.00 ul
Column Type:	RXI-5Sil MS	Column Dia:	0.25 mm

217 Benzo[a]pyrene

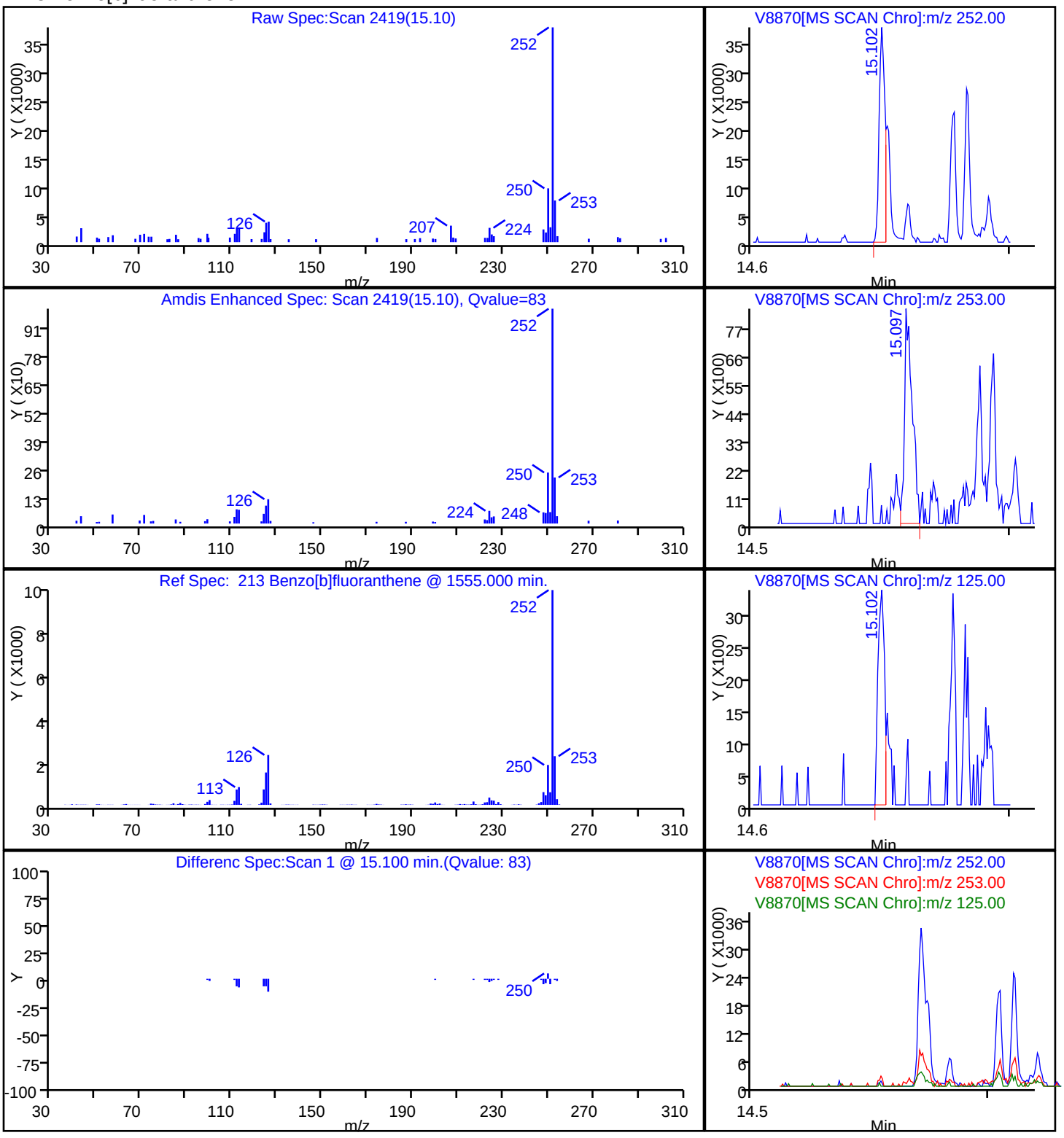


Report Date: 12-Apr-2012 10:55:20 Chrom Revision: 2.0 20-Feb-2012 13:27:02

Data File: \\Bufchrom\ChromData\HP5973V\20120411-10911.b\V8870.D

Injection Date:	12-Apr-2012 00:42:30	Limit Group:	MB - 8270C ICAL
Client ID:	RB-01 (0-6")	Instrument ID:	HP5973V
Lims Batch ID:	59155	Lims Sample ID:	12
Operator ID:	HL	Injection Vol:	1.00 ul
Column Type:	RXI-5Sil MS	Column Dia:	0.25 mm

213 Benzo[b]fluoranthene

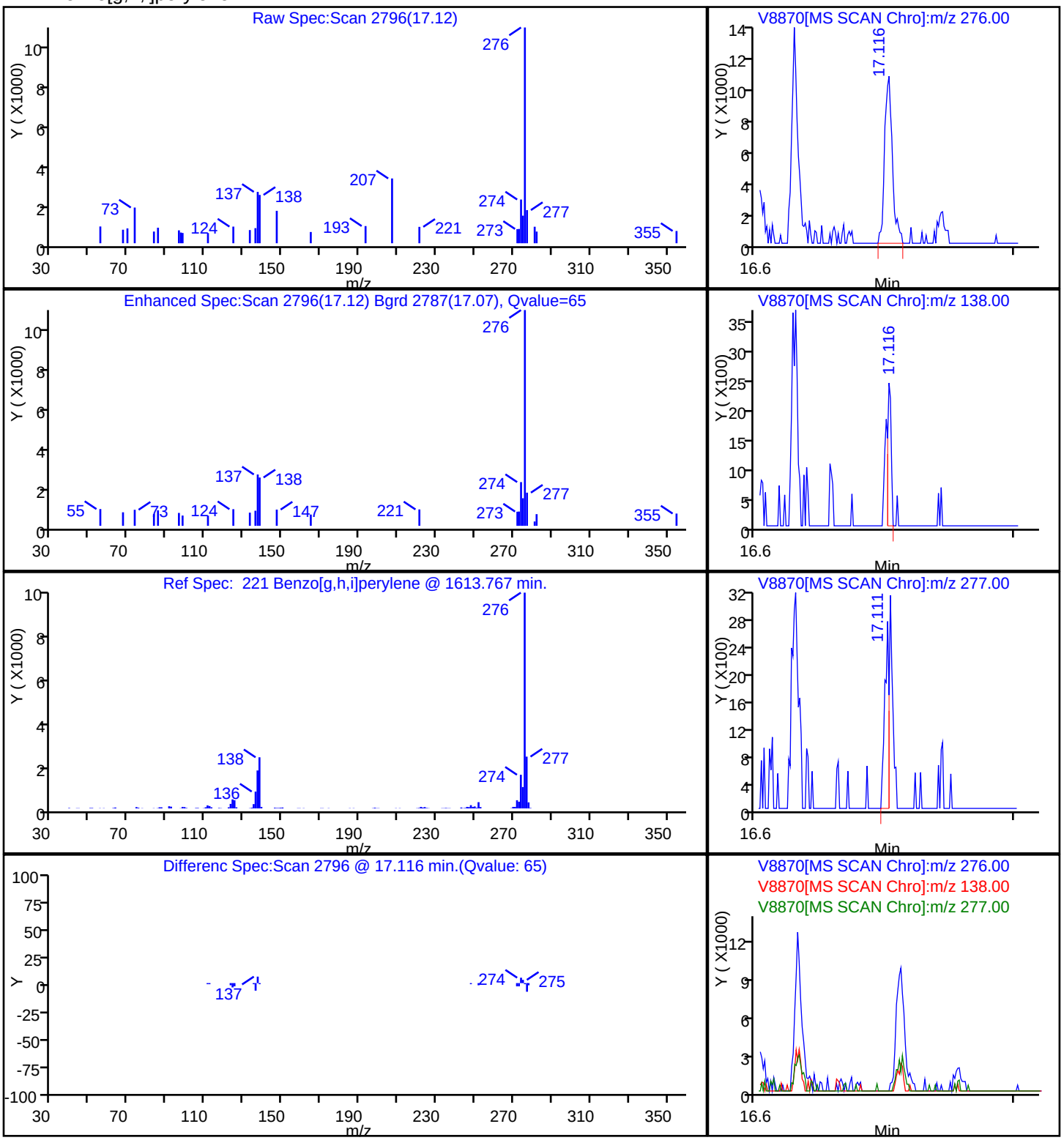


Report Date: 12-Apr-2012 10:55:20 Chrom Revision: 2.0 20-Feb-2012 13:27:02

Data File: \\Bufchrom\ChromData\HP5973V\20120411-10911.b\V8870.D

Injection Date:	12-Apr-2012 00:42:30	Limit Group:	MB - 8270C ICAL
Client ID:	RB-01 (0-6")	Instrument ID:	HP5973V
Lims Batch ID:	59155	Lims Sample ID:	12
Operator ID:	HL	Injection Vol:	1.00 ul
Column Type:	RXI-5Sil MS	Column Dia:	0.25 mm

221 Benzo[g,h,i]perylene

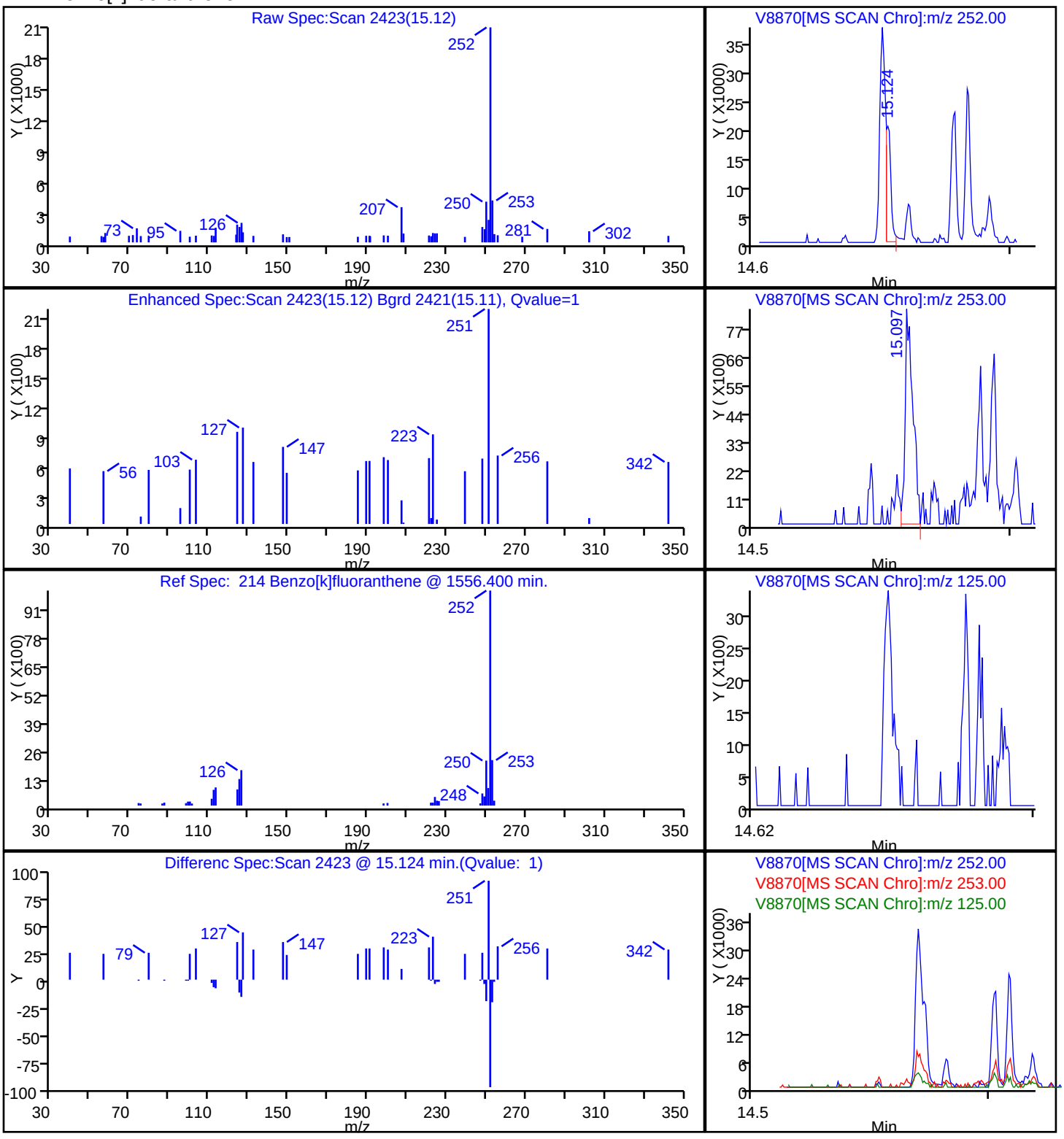


Report Date: 12-Apr-2012 10:55:20 Chrom Revision: 2.0 20-Feb-2012 13:27:02

Data File: \\Bufchrom\ChromData\HP5973V\20120411-10911.b\V8870.D

Injection Date:	12-Apr-2012 00:42:30	Limit Group:	MB - 8270C ICAL
Client ID:	RB-01 (0-6")	Instrument ID:	HP5973V
Lims Batch ID:	59155	Lims Sample ID:	12
Operator ID:	HL	Injection Vol:	1.00 ul
Column Type:	RXI-5Sil MS	Column Dia:	0.25 mm

214 Benzo[k]fluoranthene

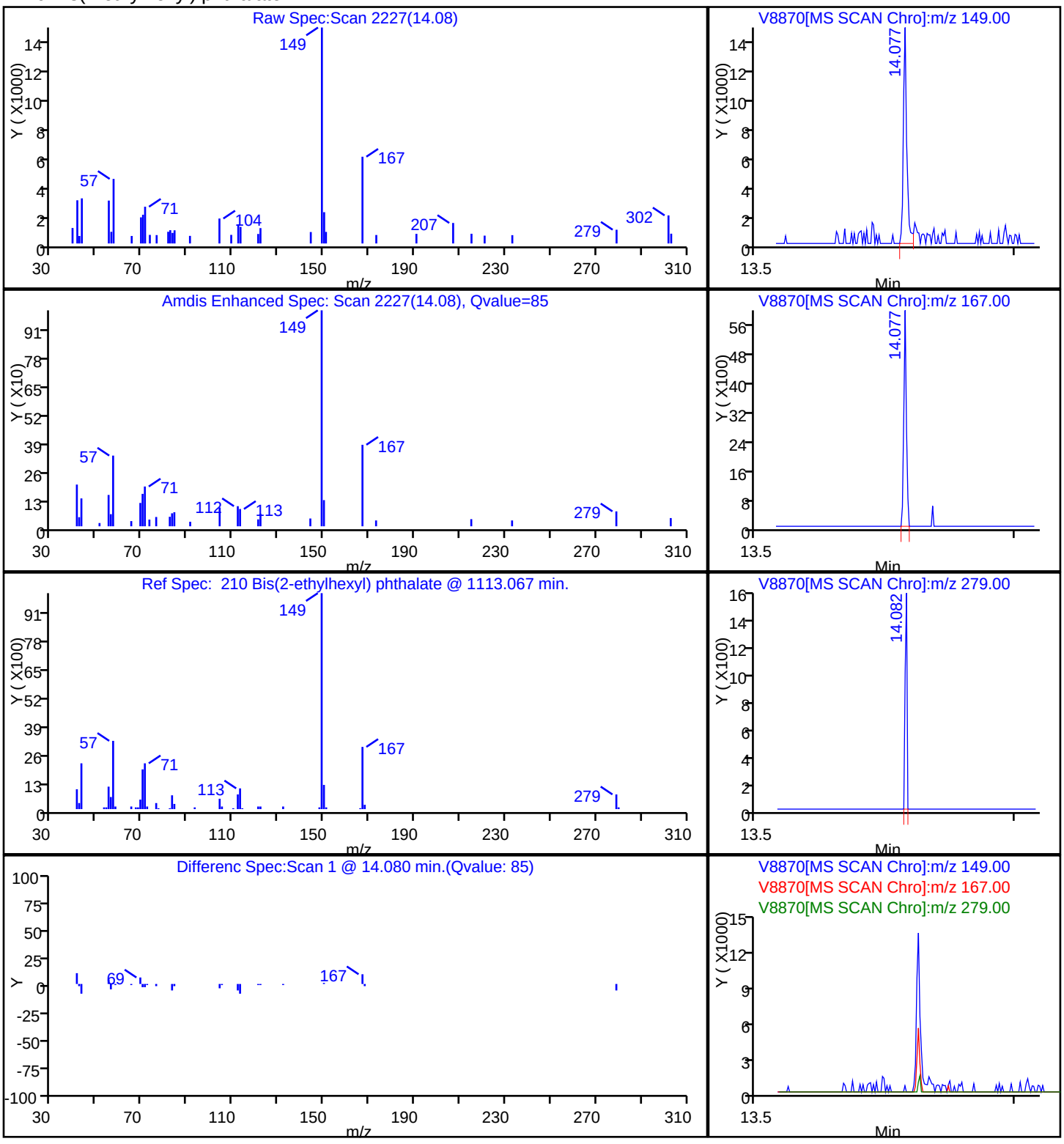


Report Date: 12-Apr-2012 10:55:20 Chrom Revision: 2.0 20-Feb-2012 13:27:02

Data File: \\Bufchrom\ChromData\HP5973V\20120411-10911.b\V8870.D

Injection Date:	12-Apr-2012 00:42:30	Limit Group:	MB - 8270C ICAL
Client ID:	RB-01 (0-6")	Instrument ID:	HP5973V
Lims Batch ID:	59155	Lims Sample ID:	12
Operator ID:	HL	Injection Vol:	1.00 ul
Column Type:	RXI-5Sil MS	Column Dia:	0.25 mm

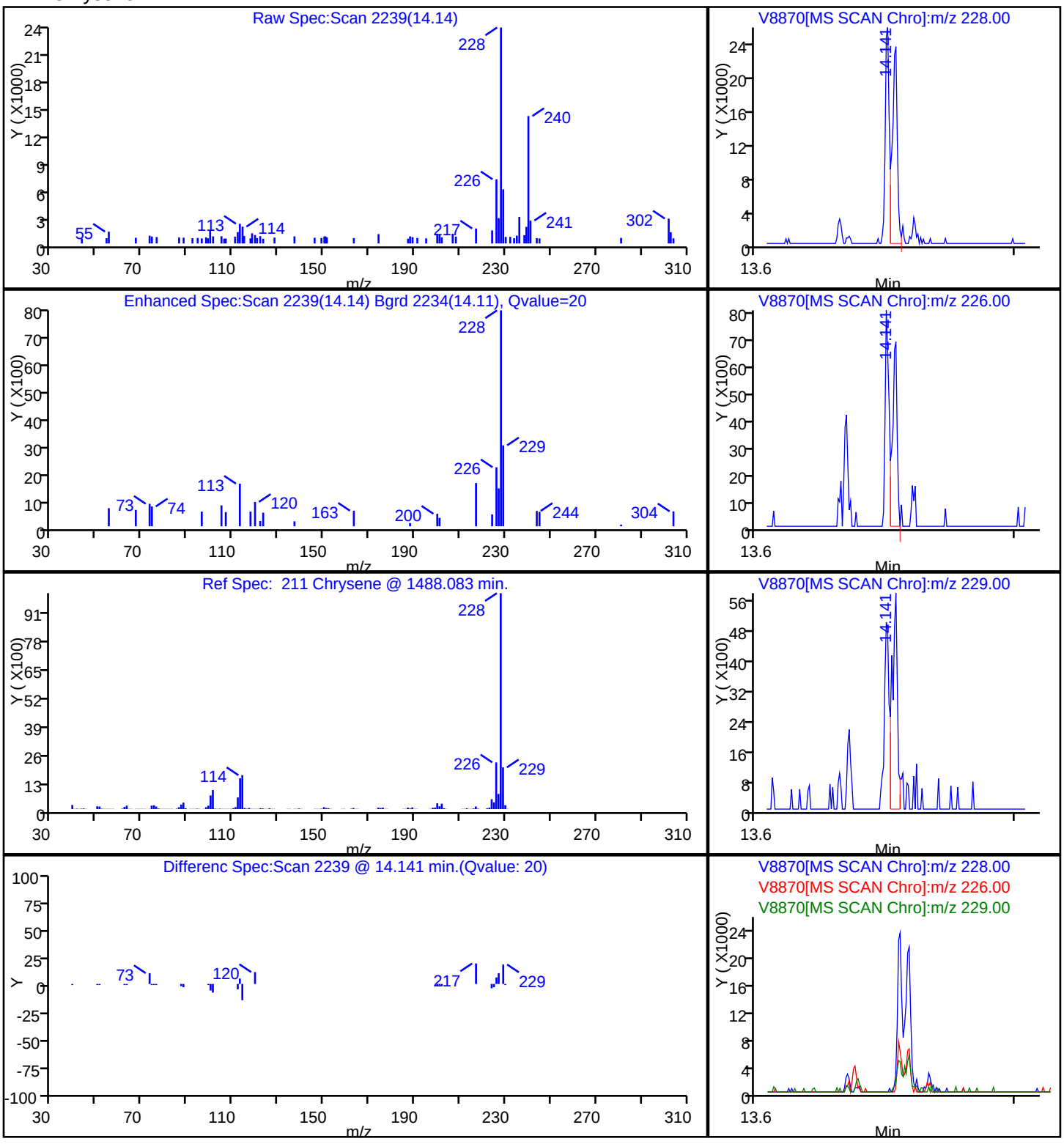
210 Bis(2-ethylhexyl) phthalate



Report Date: 12-Apr-2012 10:55:20 Chrom Revision: 2.0 20-Feb-2012 13:27:02

Data File:	\\Bufchrom\ChromData\HP5973V\20120411-10911.b\V8870.D		
Injection Date:	12-Apr-2012 00:42:30	Limit Group:	MB - 8270C ICAL
Client ID:	RB-01 (0-6")	Instrument ID:	HP5973V
Lims Batch ID:	59155	Lims Sample ID:	12
Operator ID:	HL	Injection Vol:	1.00 ul
Column Type:	RXI-5Sil MS	Column Dia:	0.25 mm

211 Chrysene

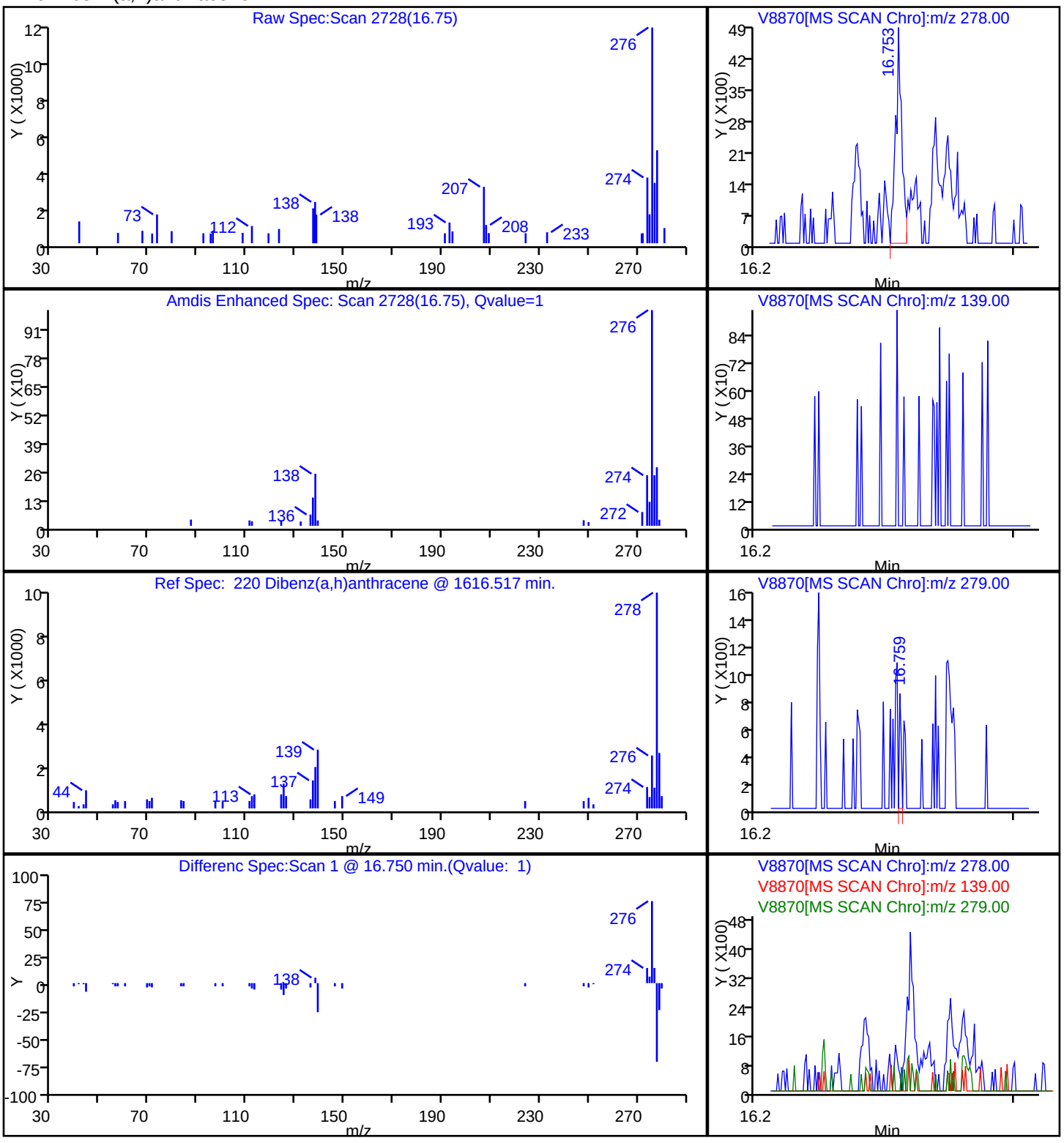


Report Date: 12-Apr-2012 10:55:20 Chrom Revision: 2.0 20-Feb-2012 13:27:02

Data File: \\Bufchrom\ChromData\HP5973V\20120411-10911.b\V8870.D

Injection Date:	12-Apr-2012 00:42:30	Limit Group:	MB - 8270C ICAL
Client ID:	RB-01 (0-6")	Instrument ID:	HP5973V
Lims Batch ID:	59155	Lims Sample ID:	12
Operator ID:	HL	Injection Vol:	1.00 ul
Column Type:	RXI-5Sil MS	Column Dia:	0.25 mm

220 Dibenz(a,h)anthracene

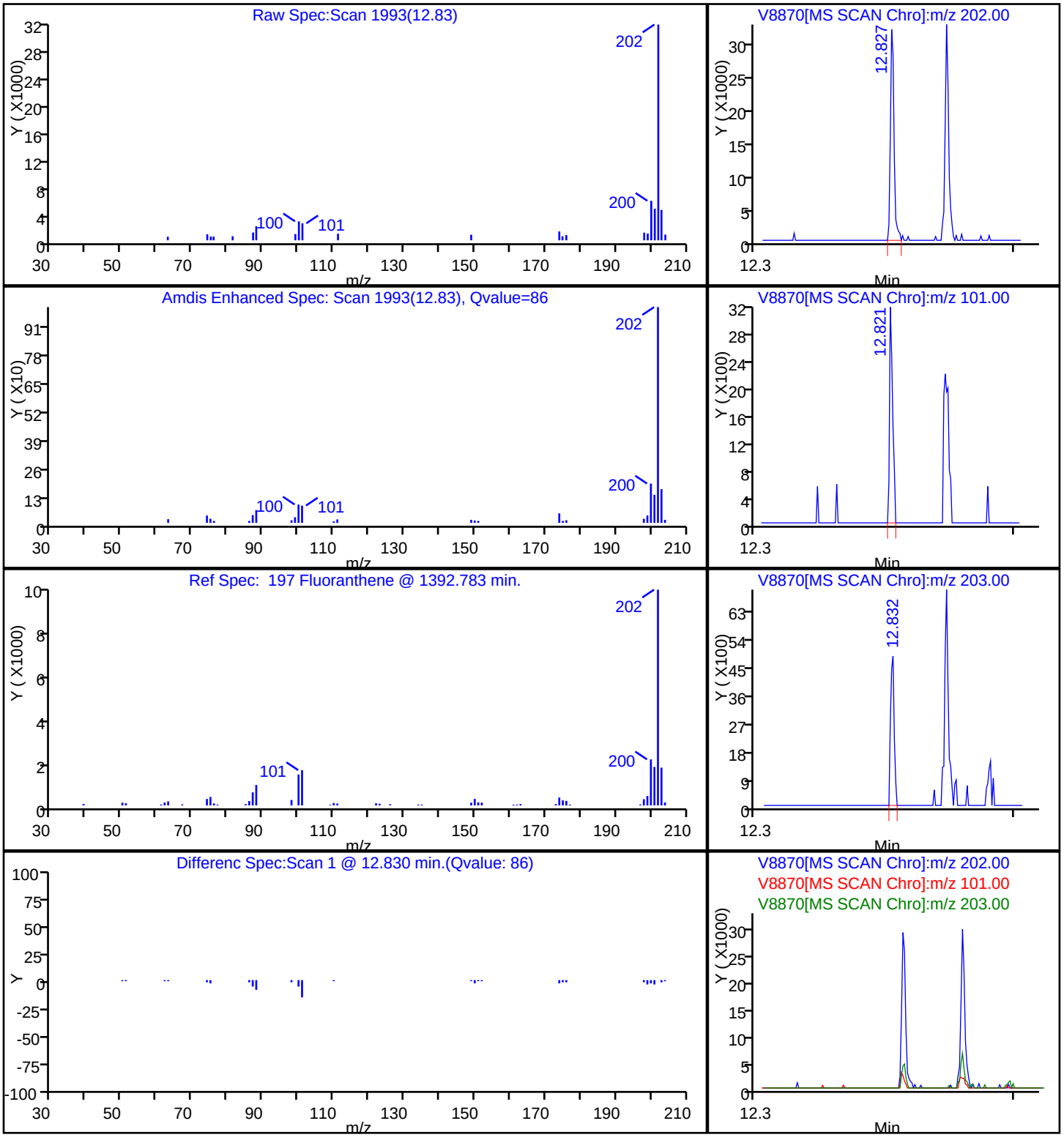


Report Date: 12-Apr-2012 10:55:20 Chrom Revision: 2.0 20-Feb-2012 13:27:02

Data File: \\Bufchrom\ChromData\HP5973V\20120411-10911.b\V8870.D

Injection Date:	12-Apr-2012 00:42:30	Limit Group:	MB - 8270C ICAL
Client ID:	RB-01 (0-6")	Instrument ID:	HP5973V
Lims Batch ID:	59155	Lims Sample ID:	12
Operator ID:	HL	Injection Vol:	1.00 ul
Column Type:	RXI-5Sil MS	Column Dia:	0.25 mm

197 Fluoranthene

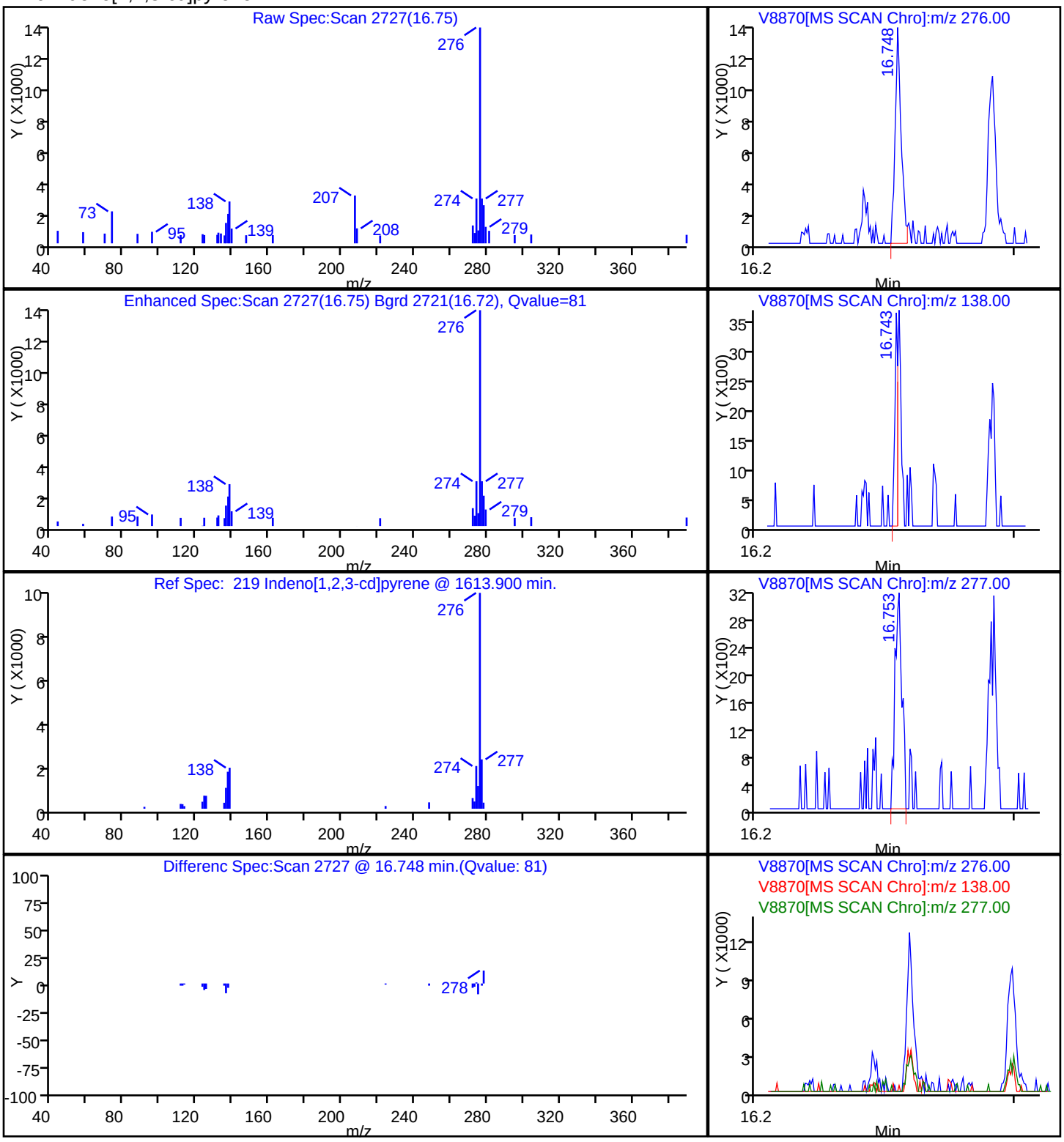


Report Date: 12-Apr-2012 10:55:20 Chrom Revision: 2.0 20-Feb-2012 13:27:02

Data File: \\Bufchrom\ChromData\HP5973V\20120411-10911.b\V8870.D

Injection Date:	12-Apr-2012 00:42:30	Limit Group:	MB - 8270C ICAL
Client ID:	RB-01 (0-6")	Instrument ID:	HP5973V
Lims Batch ID:	59155	Lims Sample ID:	12
Operator ID:	HL	Injection Vol:	1.00 ul
Column Type:	RXI-5Sil MS	Column Dia:	0.25 mm

219 Indeno[1,2,3-cd]pyrene

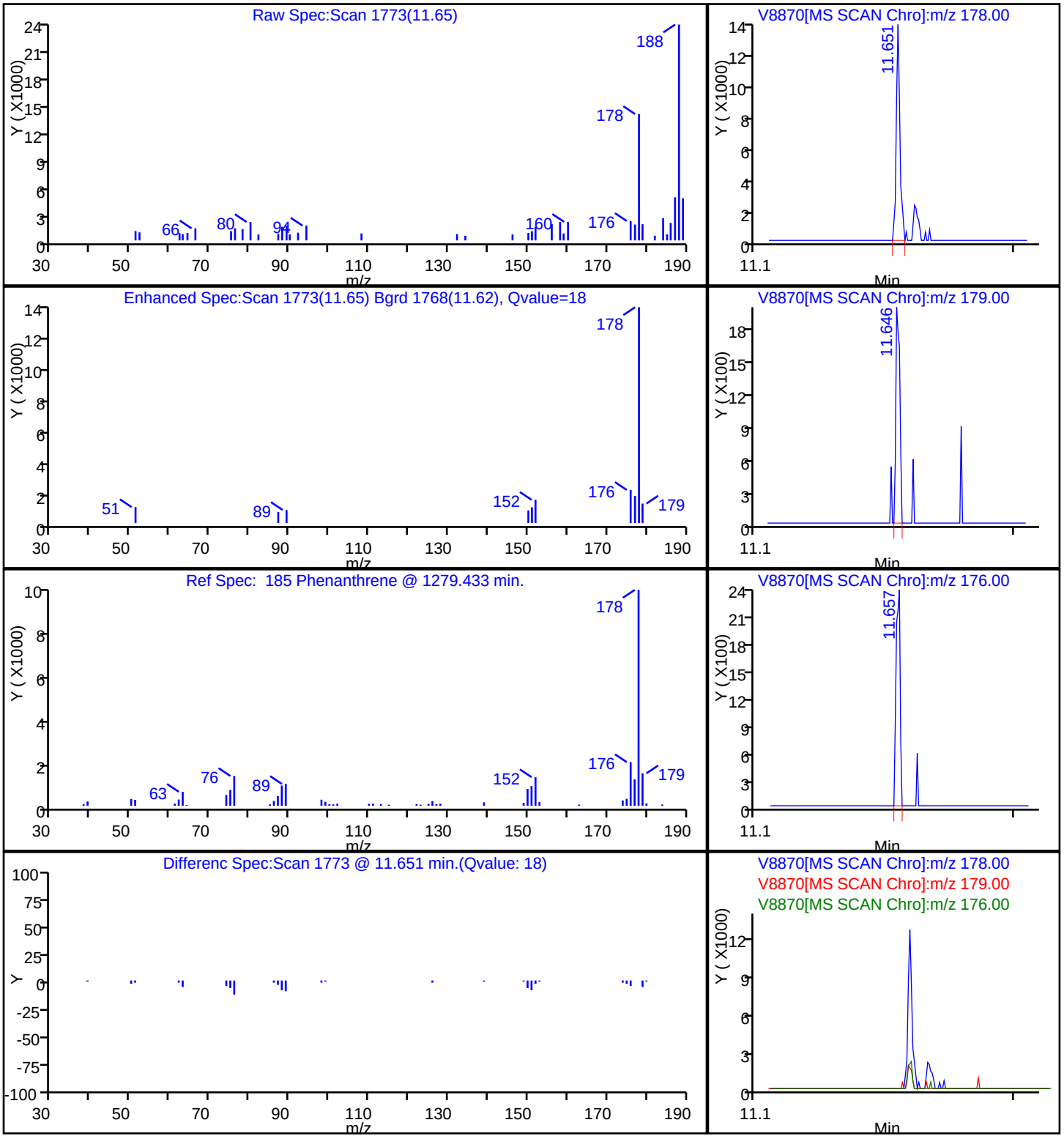


Report Date: 12-Apr-2012 10:55:20 Chrom Revision: 2.0 20-Feb-2012 13:27:02

Data File: \\Bufchrom\ChromData\HP5973V\20120411-10911.b\V8870.D

Injection Date:	12-Apr-2012 00:42:30	Limit Group:	MB - 8270C ICAL
Client ID:	RB-01 (0-6")	Instrument ID:	HP5973V
Lims Batch ID:	59155	Lims Sample ID:	12
Operator ID:	HL	Injection Vol:	1.00 ul
Column Type:	RXI-5Sil MS	Column Dia:	0.25 mm

185 Phenanthrene

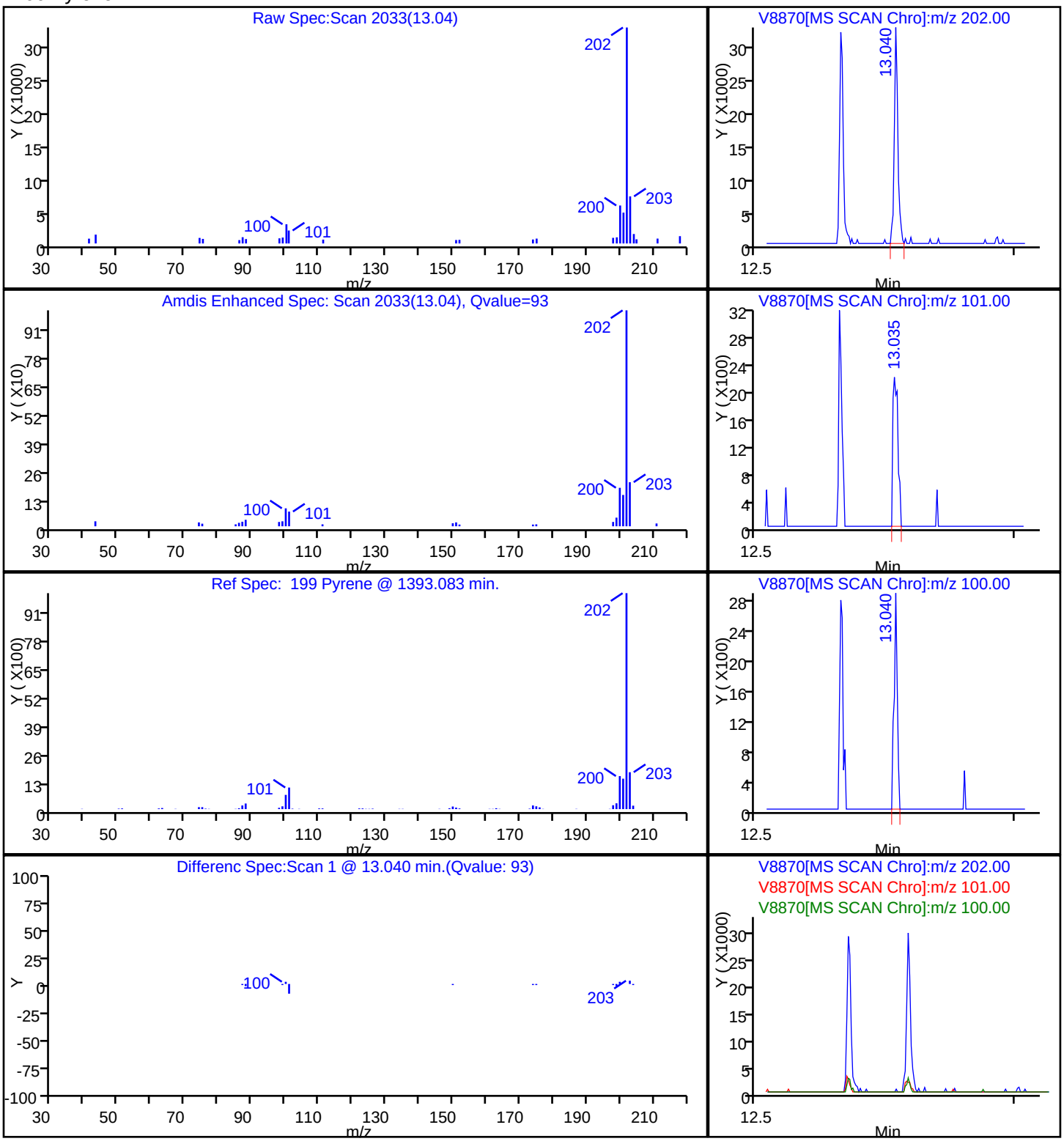


Report Date: 12-Apr-2012 10:55:20 Chrom Revision: 2.0 20-Feb-2012 13:27:02

Data File: \\Bufchrom\ChromData\HP5973V\20120411-10911.b\V8870.D

Injection Date:	12-Apr-2012 00:42:30	Limit Group:	MB - 8270C ICAL
Client ID:	RB-01 (0-6")	Instrument ID:	HP5973V
Lims Batch ID:	59155	Lims Sample ID:	12
Operator ID:	HL	Injection Vol:	1.00 ul
Column Type:	RXI-5Sil MS	Column Dia:	0.25 mm

199 Pyrene



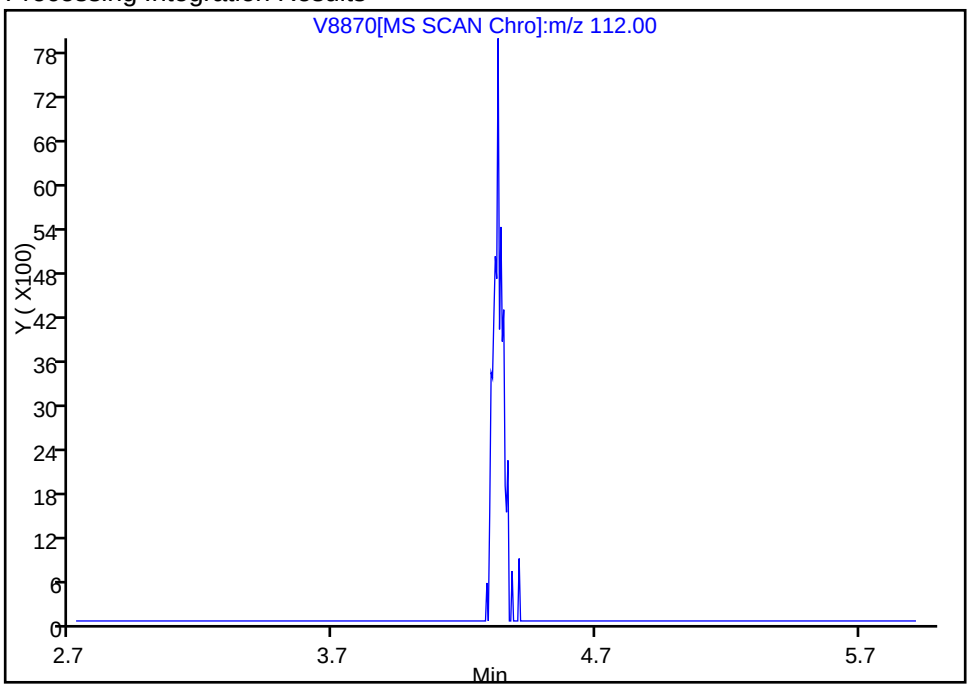
Manual Integration/User Assign Peak Report

Data File:	\\Bufchrom\ChromData\HP5973V\20120411-10911.b\V8870.D		
Injection Date:	12-Apr-2012 00:42:30	Limit Group:	MB - 8270C ICAL
Client ID:	RB-01 (0-6")	Instrument ID:	HP5973V
Lims Batch ID:	59155	Lims Sample ID:	12
Operator ID:	HL	Injection Vol:	1.00 ul
Column Type:	RXI-5Sil MS	Column Dia:	0.25 mm

$ 9 2-Fluorophenol, Signal: 1, m/z: 112.0 Type: quant, RT: 4.32

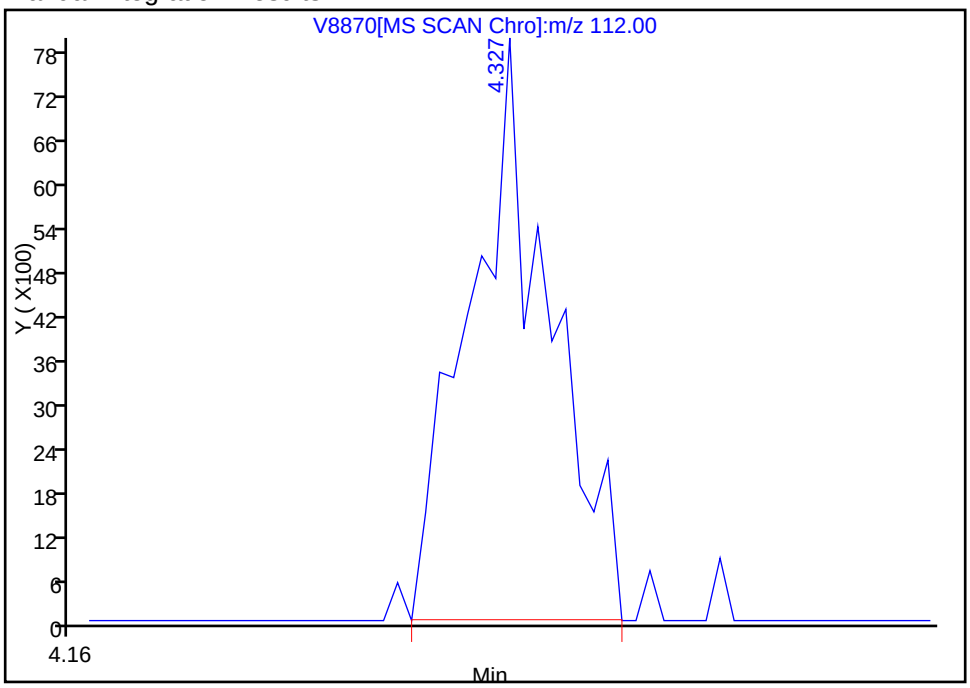
Processing Integration Results

Not Detected
Expected RT: 4.32



Manual Integration Results

RT: 4.33
Response: 16808
Amount: 3.908277



Reviewer: lyh, 12-Apr-2012 10:55:19
Audit Action: Manually Integrated
Audit Reason: Assign Peak

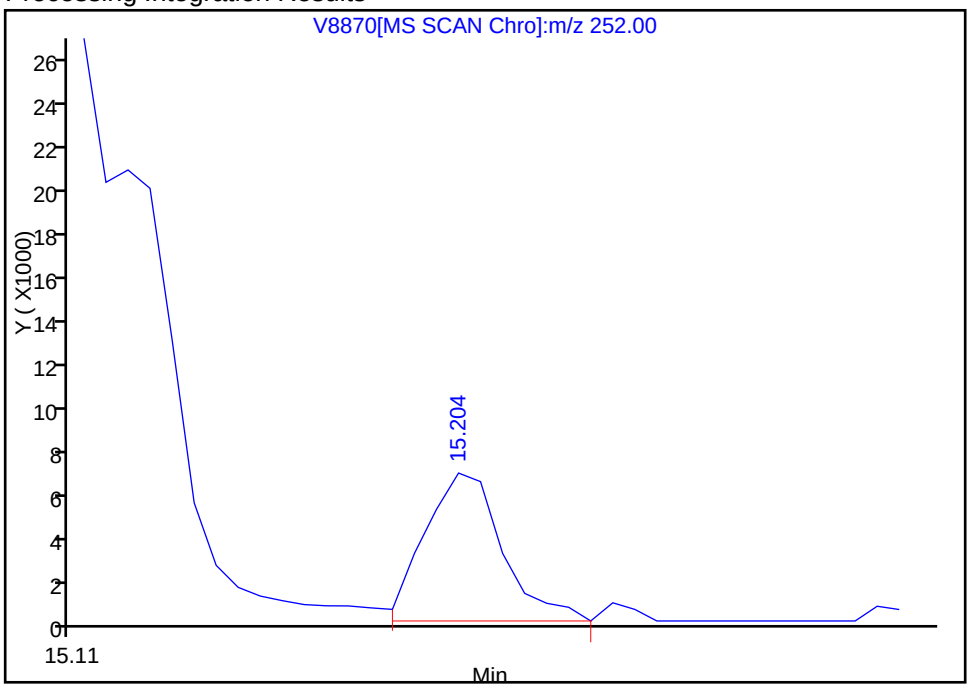
Manual Integration/User Assign Peak Report

Data File:	\\Bufchrom\ChromData\HP5973V\20120411-10911.b\V8870.D		
Injection Date:	12-Apr-2012 00:42:30	Limit Group:	MB - 8270C ICAL
Client ID:	RB-01 (0-6")	Instrument ID:	HP5973V
Lims Batch ID:	59155	Lims Sample ID:	12
Operator ID:	HL	Injection Vol:	1.00 ul
Column Type:	RXI-5Sil MS	Column Dia:	0.25 mm

214 Benzo[k]fluoranthene, Signal: 1, m/z: 252.0 Type: quant, RT: 15.13

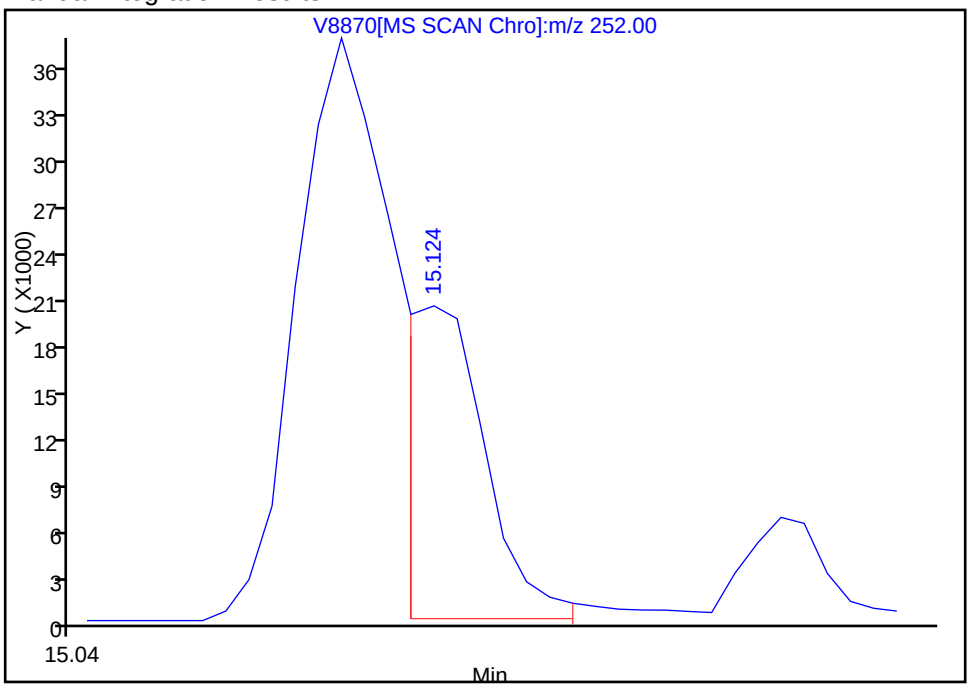
Processing Integration Results

RT: 15.20
Response: 8667
Amount: 0.478309



Manual Integration Results

RT: 15.12
Response: 26006
Amount: 1.435202



Reviewer: lyh, 12-Apr-2012 10:55:19
Audit Action: Manually Integrated
Audit Reason: Assign Peak

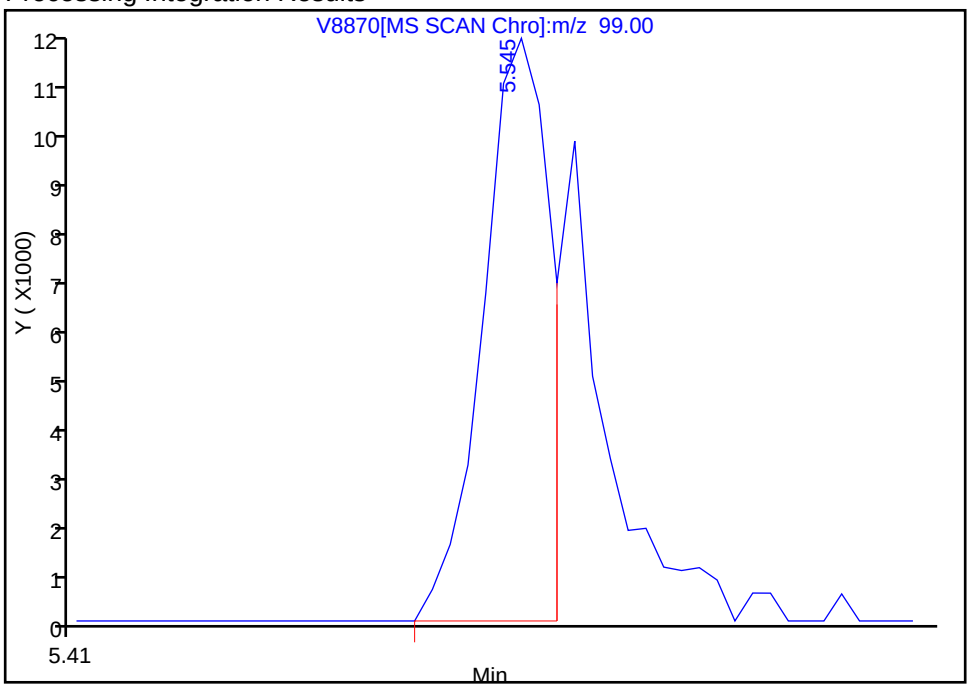
Manual Integration/User Assign Peak Report

Data File:	\\Bufchrom\ChromData\HP5973V\20120411-10911.b\V8870.D		
Injection Date:	12-Apr-2012 00:42:30	Limit Group:	MB - 8270C ICAL
Client ID:	RB-01 (0-6")	Instrument ID:	HP5973V
Lims Batch ID:	59155	Lims Sample ID:	12
Operator ID:	HL	Injection Vol:	1.00 ul
Column Type:	RXI-5Sil MS	Column Dia:	0.25 mm

$ 10 Phenol-d5, Signal: 1, m/z: 99.0 Type: quant, RT: 5.53

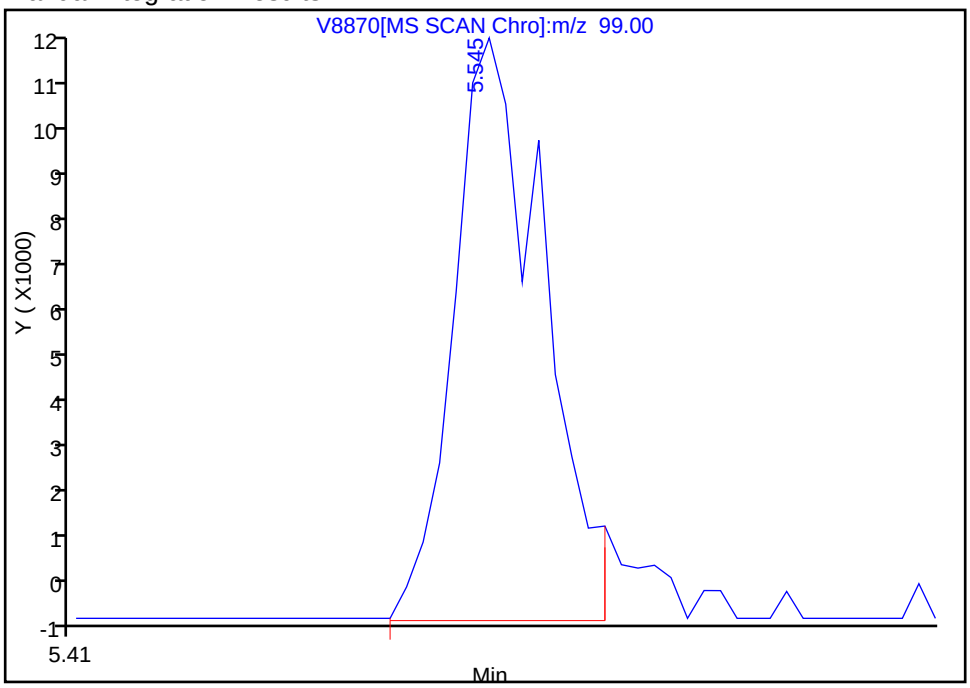
Processing Integration Results

RT: 5.55
Response: 15885
Amount: 2.782266



Manual Integration Results

RT: 5.55
Response: 22709
Amount: 3.977492



Reviewer: lyh, 12-Apr-2012 10:55:19
Audit Action: Manually Integrated
Audit Reason: Assign Peak

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Buffalo | Job No.: 480-18292-1

SDG No.:

Client Sample ID: RB-01 (6-12") | Lab Sample ID: 480-18292-6

Matrix: Solid | Lab File ID: V8871.D

Analysis Method: 8270C | Date Collected: 04/05/2012 16:00

Extract. Method: 3550B | Date Extracted: 04/10/2012 07:39

Sample wt/vol: +30.89(g) | Date Analyzed: 04/12/2012 01:06

Con. Extract Vol.: 1(mL) | Dilution Factor: 20

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

% Moisture: 16.5 | GPC Cleanup:(Y/N) N

Analysis Batch No.: 59155 | 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		7700	1400
121-14-2	2,4-Dinitrotoluene	ND		4000	610
606-20-2	2,6-Dinitrotoluene	ND		4000	960
91-58-7	2-Chloronaphthalene	ND		4000	260
95-57-8	2-Chlorophenol	ND		4000	200
91-57-6	2-Methylnaphthalene	290	J	4000	48
95-48-7	2-Methylphenol	ND		4000	120
88-74-4	2-Nitroaniline	ND		7700	1300
88-75-5	2-Nitrophenol	ND		4000	180
91-94-1	3,3'-Dichlorobenzidine	ND		4000	3400
99-09-2	3-Nitroaniline	ND		7700	900
534-52-1	4,6-Dinitro-2-methylphenol	ND		7700	1400
101-55-3	4-Bromophenyl phenyl ether	ND		4000	1200
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	84
106-44-5	4-Methylphenol	ND		7700	220
100-01-6	4-Nitroaniline	ND		7700	440
100-02-7	4-Nitrophenol	ND		7700	950
83-32-9	Acenaphthene	ND		4000	46
208-96-8	Acenaphthylene	ND		4000	32
98-86-2	Acetophenone	ND		4000	200
120-12-7	Anthracene	ND		4000	100
1912-24-9	Atrazine	ND		4000	170
100-52-7	Benzaldehyde	ND		4000	430
56-55-3	Benzo(a)anthracene	1100	J	4000	68
50-32-8	Benzo(a)pyrene	1500	J	4000	95
205-99-2	Benzo(b)fluoranthene	2200	J	4000	76
191-24-2	Benzo(g,h,i)perylene	940	J	4000	47
207-08-9	Benzo(k)fluoranthene	630	J	4000	43

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Buffalo | Job No.: 480-18292-1

SDG No.:

Client Sample ID: RB-01 (6-12") | Lab Sample ID: 480-18292-6

Matrix: Solid | Lab File ID: V8871.D

Analysis Method: 8270C | Date Collected: 04/05/2012 16:00

Extract. Method: 3550B | Date Extracted: 04/10/2012 07:39

Sample wt/vol: +30.89(g) | Date Analyzed: 04/12/2012 01:06

Con. Extract Vol.: 1(mL) | Dilution Factor: 20

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

% Moisture: 16.5 | GPC Cleanup:(Y/N) N

Analysis Batch No.: 59155 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
92-52-4	Biphenyl	ND		4000	240
108-60-1	bis (2-chloroisopropyl) ether	ND		4000	410
111-91-1	Bis(2-chloroethoxy)methane	ND		4000	210
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	ND		4000	45
218-01-9	Chrysene	1300	J	4000	39
53-70-3	Dibenz(a,h)anthracene	2500	J	4000	46
132-64-9	Dibenzofuran	ND		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	92
206-44-0	Fluoranthene	990	J	4000	57
86-73-7	Fluorene	ND		4000	90
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	300
193-39-5	Indeno(1,2,3-cd)pyrene	880	J	4000	110
78-59-1	Isophorone	ND		4000	200
91-20-3	Naphthalene	ND		4000	65
98-95-3	Nitrobenzene	ND		4000	170
621-64-7	N-Nitrosodi-n-propylamine	ND		4000	310
86-30-6	N-Nitrosodiphenylamine	ND		4000	210
87-86-5	Pentachlorophenol	ND		7700	1300
85-01-8	Phenanthrene	710	J	4000	82
108-95-2	Phenol	ND		4000	410
129-00-0	Pyrene	1000	J	4000	25

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Buffalo | Job No.: 480-18292-1

SDG No.:

Client Sample ID: RB-01 (6-12") | Lab Sample ID: 480-18292-6

Matrix: Solid | Lab File ID: V8871.D

Analysis Method: 8270C | Date Collected: 04/05/2012 16:00

Extract. Method: 3550B | Date Extracted: 04/10/2012 07:39

Sample wt/vol: +30.89(g) | Date Analyzed: 04/12/2012 01:06

Con. Extract Vol.: 1(mL) | Dilution Factor: 20

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

% Moisture: 16.5 | GPC Cleanup:(Y/N) N

Analysis Batch No.: 59155 | Units: ug/Kg

CAS NO.	SURROGATE	%REC	Q	LIMITS
118-79-6	2,4,6-Tribromophenol	43		39-146
321-60-8	2-Fluorobiphenyl	79		37-120
367-12-4	2-Fluorophenol	66		18-120
4165-60-0	Nitrobenzene-d5	67		34-132
4165-62-2	Phenol-d5	61		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.: 480-18292-1

SDG No.:

Client Sample ID: RB-01 (6-12") | Lab Sample ID: 480-18292-6

Matrix: Solid | Lab File ID: V8871.D

Analysis Method: 8270C | Date Collected: 04/05/2012 16:00

Extract. Method: 3550B | Date Extracted: 04/10/2012 07:39

Sample wt/vol: +30.89(g) | Date Analyzed: 04/12/2012 01:06

Con. Extract Vol.: 1(mL) | Dilution Factor: 20

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

% Moisture: 16.5 | GPC Cleanup:(Y/N) N

Analysis Batch No.: 59155 | 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\HP5973V\20120411-10911.b\V8871.D		
Lims ID:	480-18292-A-6-A	Client ID:	RB-01 (6-12")
Inject. Date:	12-Apr-2012 01:06:30	Dil. Factor:	20.0000
Sample Type:	Client		
Sample ID:	480-0010911-013		
Misc. Info.:	480-18292-A-6-A		
Operator:	HL	Instrument ID:	HP5973V
Vol. Injected:	1.0000	ALS Bottle#:	36
Lims Batch ID:	59155	Lims Sample ID:	13
Detector:	MS SCAN		
Method:	\\Bufchrom\ChromData\HP5973V\20120411-10911.b\V-8270.m		
Last Update:	12-Apr-2012 11:00:19	Calib Date:	09-Apr-2012 16:15:30
Quant Method:	Internal Standard	Quant By:	Initial Calibration
Last ICal File:	\\Bufchrom\ChromData\HP5973V\20120409-10827.b\V8763.D		
Limit Group:	MB - 8270C ICAL		
Integrator:	RTE	ID Type:	Deconvolution ID
Process Host:	CORP-CTX-19		
First Level Reviewer: lyh		Date:	12-Apr-2012 11:00:19

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ng/uL	Flags
* 1 1,4-Dichlorobenzene-d4	152	6.010	6.005	0.005	96	121407	40.0	
* 2 Naphthalene-d8	136	7.666	7.661	0.005	99	454756	40.0	
* 3 Acenaphthene-d10	164	9.926	9.926	0.0	89	281120	40.0	
* 4 Phenanthrene-d10	188	11.625	11.625	0.0	96	483466	40.0	
* 5 Chrysene-d12	240	14.114	14.120	-0.006	97	503094	40.0	
* 6 Perylene-d12	264	15.498	15.498	0.0	99	556600	40.0	
$ 9 2-Fluorophenol	112	4.333	4.317	0.016	38	20801	4.98	M
$ 10 Phenol-d5	99	5.540	5.535	0.005	64	25266	4.56	
$ 11 Nitrobenzene-d5	82	6.742	6.737	0.005	52	16253	3.37	
$ 12 2-Fluorobiphenyl	172	9.071	9.066	0.005	82	35043	3.96	
$ 13 2,4,6-Tribromophenol	330	10.893	10.877	0.016	1	3104	3.19	
$ 14 p-Terphenyl-d14	244	13.169	13.169	0.0	81	51969	4.76	
88 Benzaldehyde	77		5.444					
89 Phenol	94		5.551					
91 Bis(2-chloroethyl)ether	93		5.668					
93 2-Chlorophenol	128		5.732					
98 2-Methylphenol	108		6.341					
99 2,2'-oxybis[1-chloropropane]	45		6.368					
104 Acetophenone	105		6.539					
101 N-Nitrosodi-n-propylamine	70		6.544					
102 4-Methylphenol	108		6.550					
106 Hexachloroethane	117		6.662					
107 Nitrobenzene	77		6.758					
110 Isophorone	82		7.073					
111 2-Nitrophenol	139		7.175					
112 2,4-Dimethylphenol	107		7.244					
115 Bis(2-chloroethoxy)methane	93		7.362					
117 2,4-Dichlorophenol	162		7.490					
121 Naphthalene	128		7.693					
123 4-Chloroaniline	127		7.778					
126 Hexachlorobutadiene	225		7.853					

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ng/uL	Flags
127 Caprolactam	113		8.222					
131 4-Chloro-3-methylphenol	107		8.414					
133 2-Methylnaphthalene	142	8.612	8.590	0.022	1	2982	0.3798	
136 Hexachlorocyclopentadiene	237		8.788					
139 2,4,6-Trichlorophenol	196		8.959					
140 2,4,5-Trichlorophenol	196		9.012					
144 1,1'-Biphenyl	154		9.194					
143 2-Chloronaphthalene	162		9.215					
145 2-Nitroaniline	65		9.370					
147 Dimethyl phthalate	163		9.605					
148 2,6-Dinitrotoluene	165		9.686					
149 Acenaphthylene	152		9.750					
150 3-Nitroaniline	138		9.910					
151 Acenaphthene	153		9.969					
152 2,4-Dinitrophenol	184		10.044					
153 4-Nitrophenol	109		10.150					
155 Dibenzofuran	168		10.182					
154 2,4-Dinitrotoluene	165		10.193					
160 Diethyl phthalate	149		10.482					
161 Fluorene	166		10.594					
162 4-Chlorophenyl phenyl ether	204		10.599					
164 4-Nitroaniline	138		10.653					
166 4,6-Dinitro-2-methylphenol	198		10.679					
167 N-Nitrosodiphenylamine	169		10.743					
176 4-Bromophenyl phenyl ether	248		11.149					
177 Hexachlorobenzene	284		11.213					
180 Atrazine	200		11.347					
181 Pentachlorophenol	266		11.433					
185 Phenanthrene	178	11.652	11.652	0.0	13	11937	0.9162	
188 Anthracene	178		11.705					
189 Carbazole	167		11.881					
192 Di-n-butyl phthalate	149		12.218					
197 Fluoranthene	202	12.832	12.827	0.005	77	18176	1.28	
199 Pyrene	202	13.041	13.041	0.0	87	19379	1.31	
205 Butyl benzyl phthalate	149		13.596					
210 Bis(2-ethylhexyl) phthalate	149		14.077					
208 3,3'-Dichlorobenzidine	252		14.082					
209 Benzo[a]anthracene	228	14.109	14.109	0.0	27	20466	1.46	
211 Chrysene	228	14.136	14.146	-0.010	56	24418	1.71	
212 Di-n-octyl phthalate	149		14.643					
213 Benzo[b]fluoranthene	252	15.103	15.103	0.0	83	45254	2.85	
214 Benzo[k]fluoranthene	252	15.129	15.135	-0.006	1	14780	0.8113	M
217 Benzo[a]pyrene	252	15.434	15.439	-0.005	38	26134	1.88	
219 Indeno[1,2,3-cd]pyrene	276	16.753	16.759	-0.006	84	16949	1.14	
220 Dibenz(a,h)anthracene	278	16.753	16.764	-0.011	1	3699	3.22	
221 Benzo[g,h,i]perylene	276	17.117	17.122	-0.005	62	14930	1.21	

QC Flag Legend

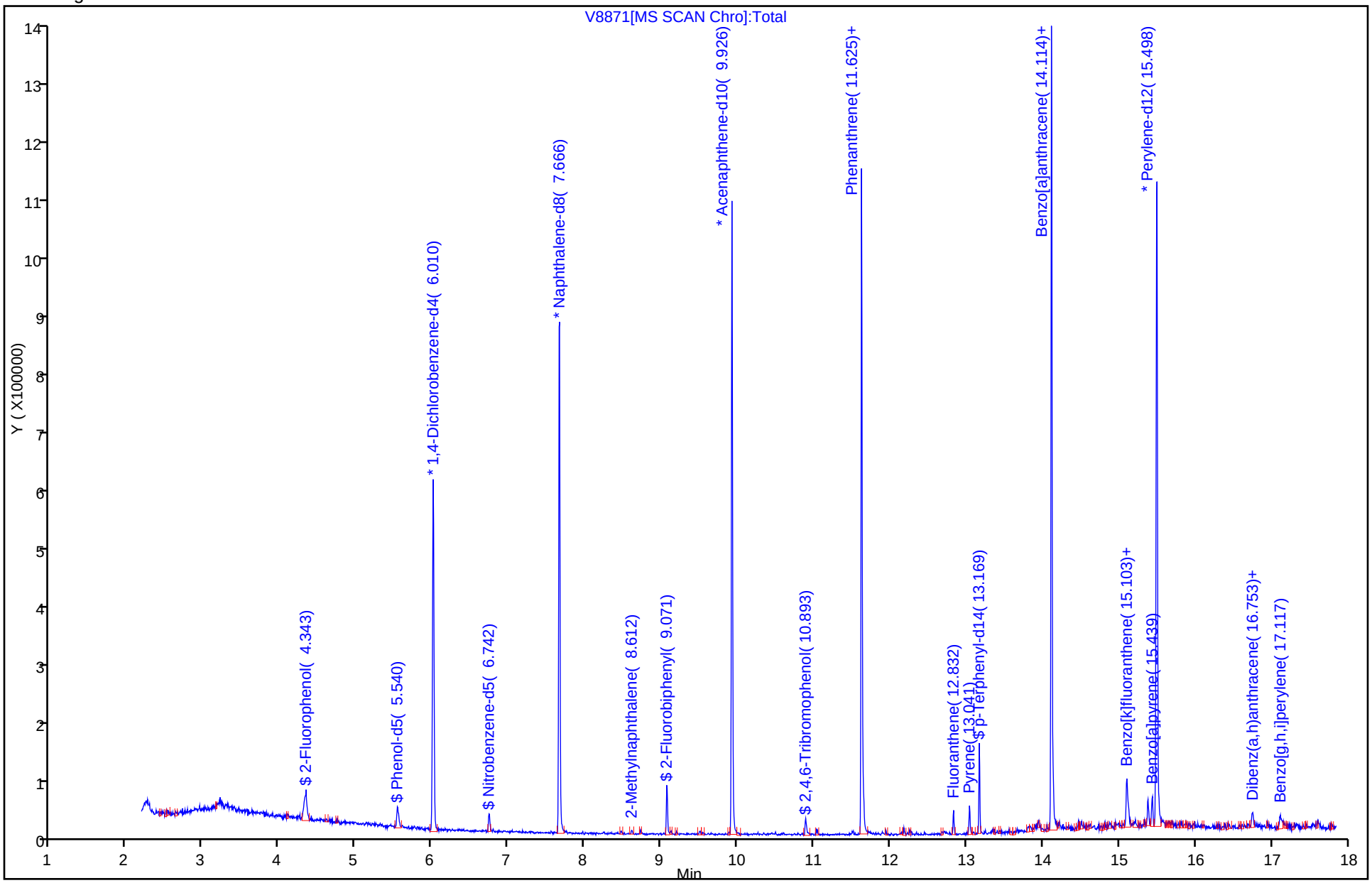
Review Flags
M - Manually Integrated

Report Date: 12-Apr-2012 11:00:20 Chrom Revision: 2.0 20-Feb-2012 13:27:02

Data File: \\Bufchrom\ChromData\HP5973V\20120411-10911.b\V8871.D

Injection Date:	12-Apr-2012 01:06:30	Limit Group:	MB - 8270C ICAL
Client ID:	RB-01 (6-12")	Instrument ID:	HP5973V
Lims Batch ID:	59155	Lims Sample ID:	13
Operator ID:	HL	Injection Vol:	1.00 ul
Column Type:	RXI-5Sil MS	Column Dia:	0.25 mm

Y Scaling:

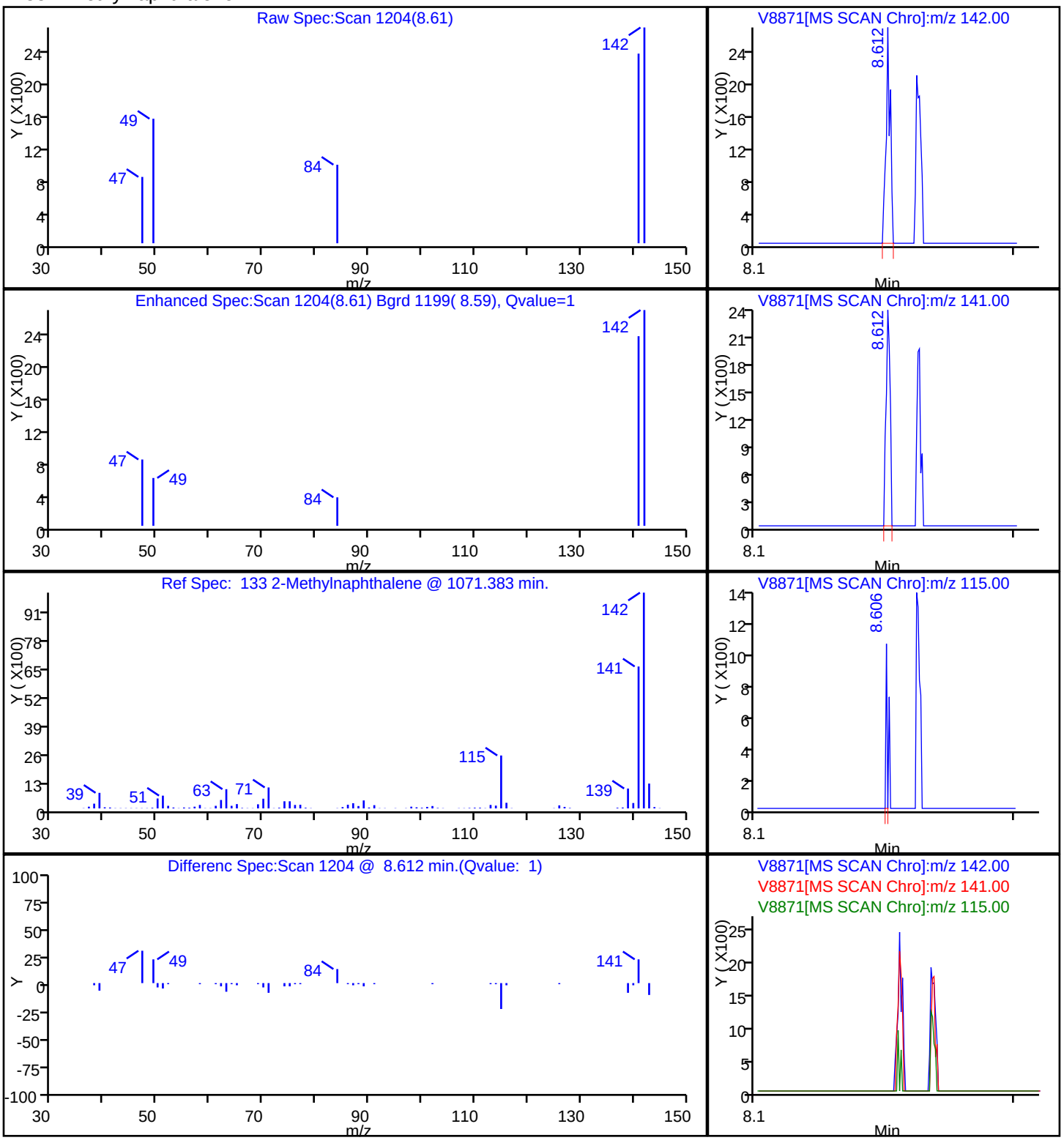


Report Date: 12-Apr-2012 11:00:20 Chrom Revision: 2.0 20-Feb-2012 13:27:02

Data File: \\Bufchrom\ChromData\HP5973V\20120411-10911.b\V8871.D

Injection Date:	12-Apr-2012 01:06:30	Limit Group:	MB - 8270C ICAL
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Lims Batch ID:	59155	Lims Sample ID:	13
Operator ID:	HL	Injection Vol:	1.00 ul
Column Type:	RXI-5Sil MS	Column Dia:	0.25 mm

133 2-Methylnaphthalene

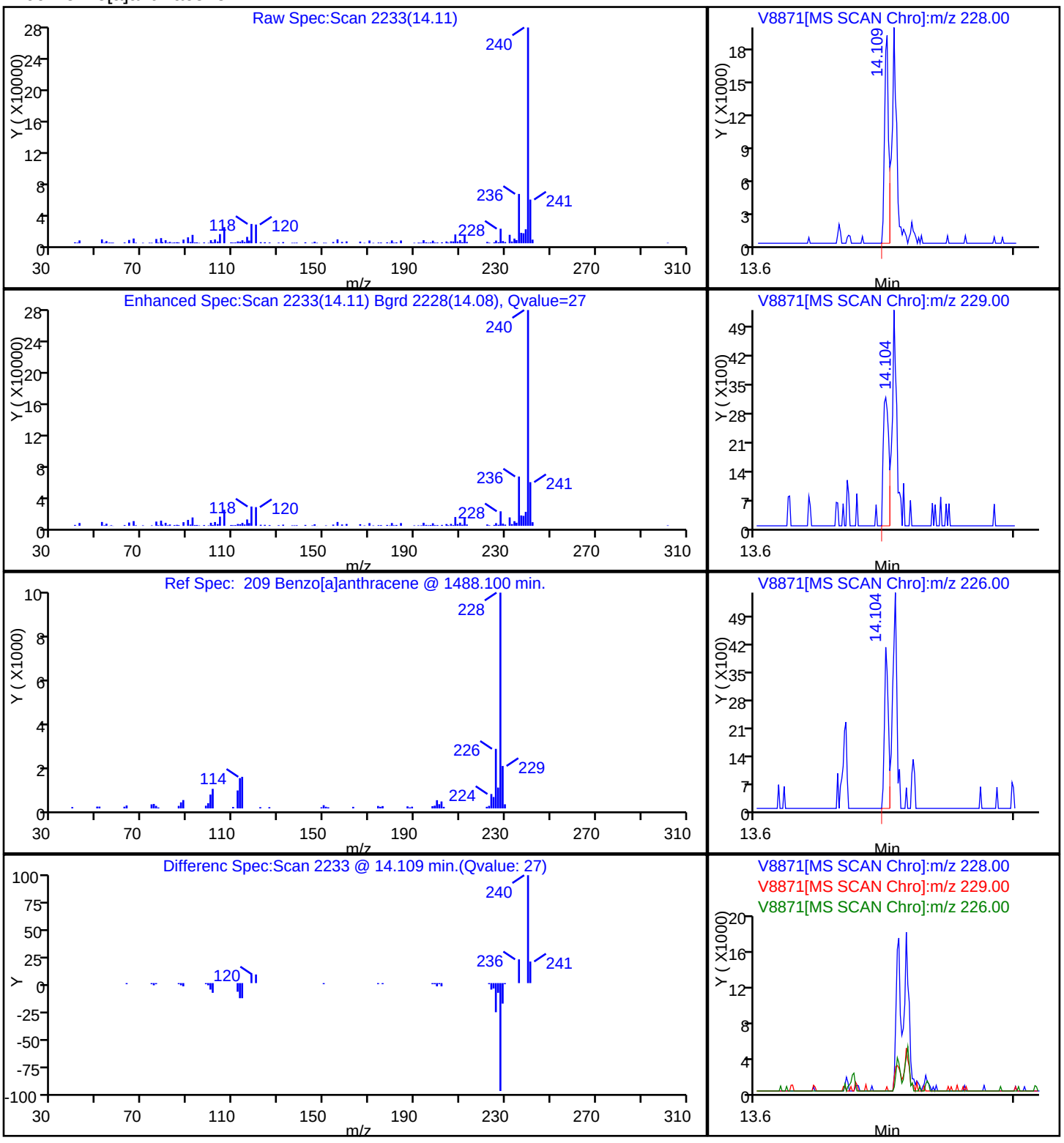


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Data File: \\Bufchrom\ChromData\HP5973V\20120411-10911.b\V8871.D

Injection Date:	12-Apr-2012 01:06:30	Limit Group:	MB - 8270C ICAL
Client ID:	RB-01 (6-12")	Instrument ID:	HP5973V
Lims Batch ID:	59155	Lims Sample ID:	13
Operator ID:	HL	Injection Vol:	1.00 ul
Column Type:	RXI-5Sil MS	Column Dia:	0.25 mm

209 Benzo[a]anthracene

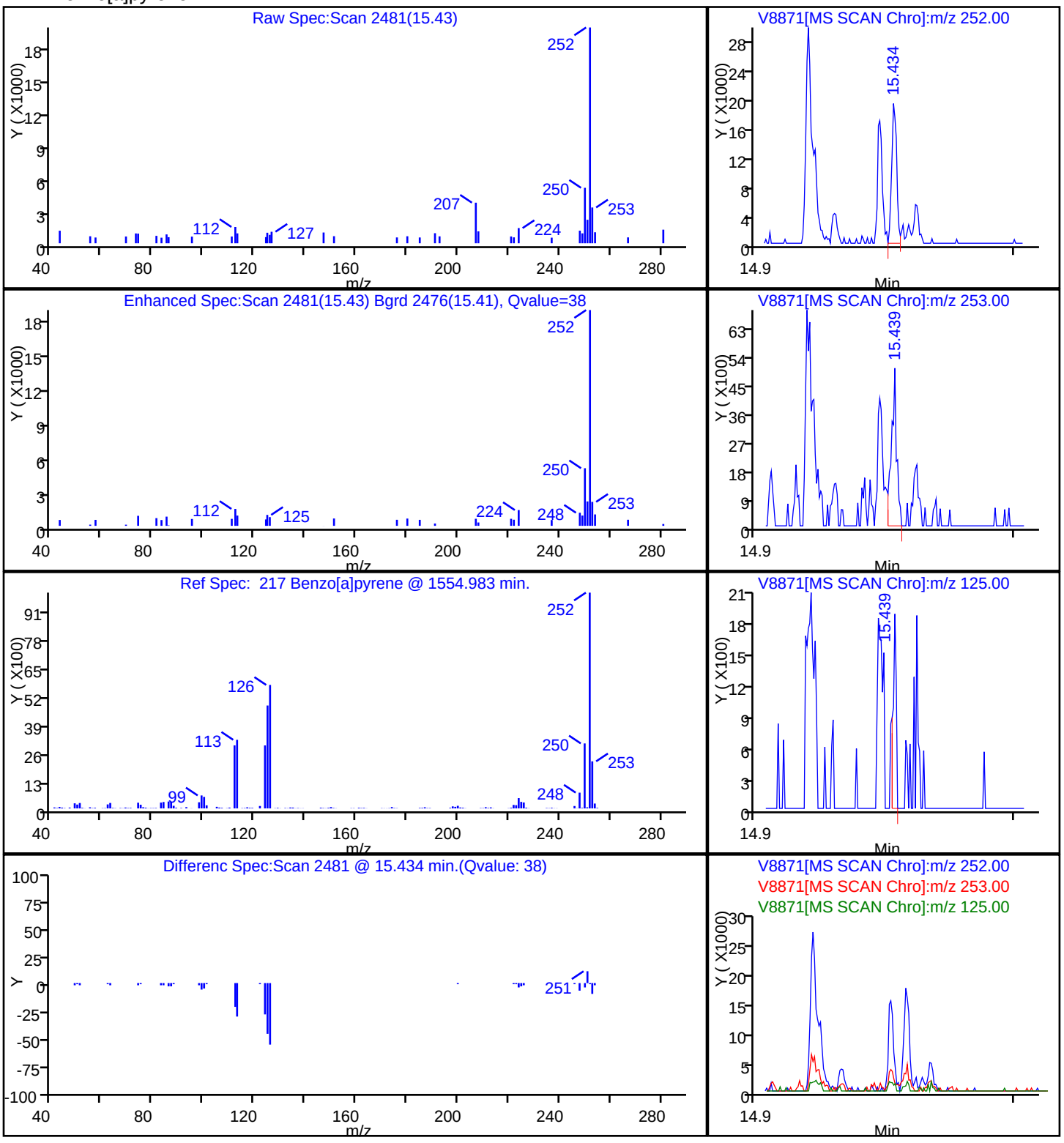


Report Date: 12-Apr-2012 11:00:20 Chrom Revision: 2.0 20-Feb-2012 13:27:02

Data File: \\Bufchrom\ChromData\HP5973V\20120411-10911.b\V8871.D

Injection Date:	12-Apr-2012 01:06:30	Limit Group:	MB - 8270C ICAL
Client ID:	RB-01 (6-12")	Instrument ID:	HP5973V
Lims Batch ID:	59155	Lims Sample ID:	13
Operator ID:	HL	Injection Vol:	1.00 ul
Column Type:	RXI-5Sil MS	Column Dia:	0.25 mm

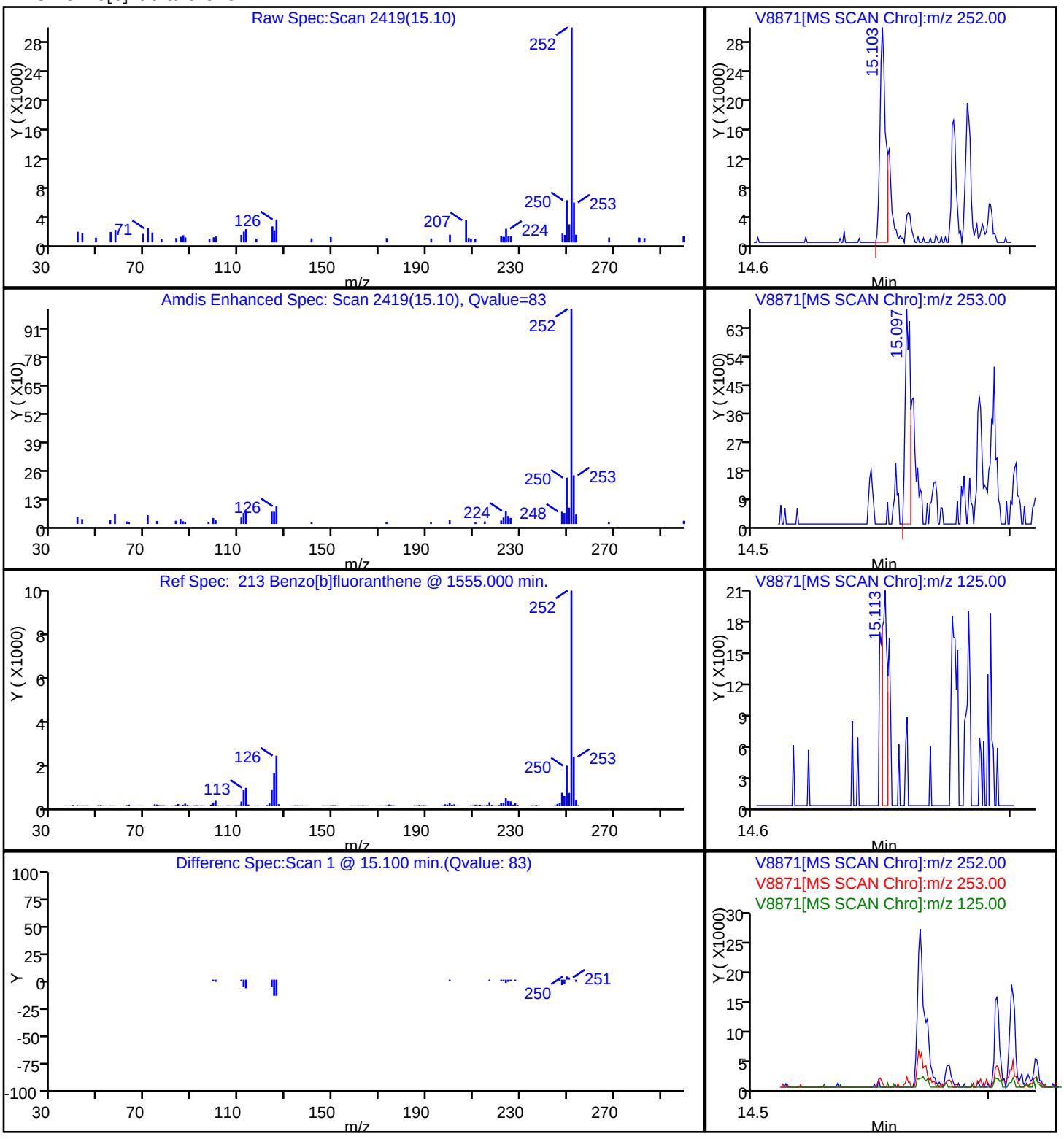
217 Benzo[a]pyrene



Report Date: 12-Apr-2012 11:00:20 Chrom Revision: 2.0 20-Feb-2012 13:27:02

Data File:	\\Bufchrom\ChromData\HP5973V\20120411-10911.b\V8871.D		
Injection Date:	12-Apr-2012 01:06:30	Limit Group:	MB - 8270C ICAL
Client ID:	RB-01 (6-12")	Instrument ID:	HP5973V
Lims Batch ID:	59155	Lims Sample ID:	13
Operator ID:	HL	Injection Vol:	1.00 ul
Column Type:	RXI-5Sil MS	Column Dia:	0.25 mm

213 Benzo[b]fluoranthene

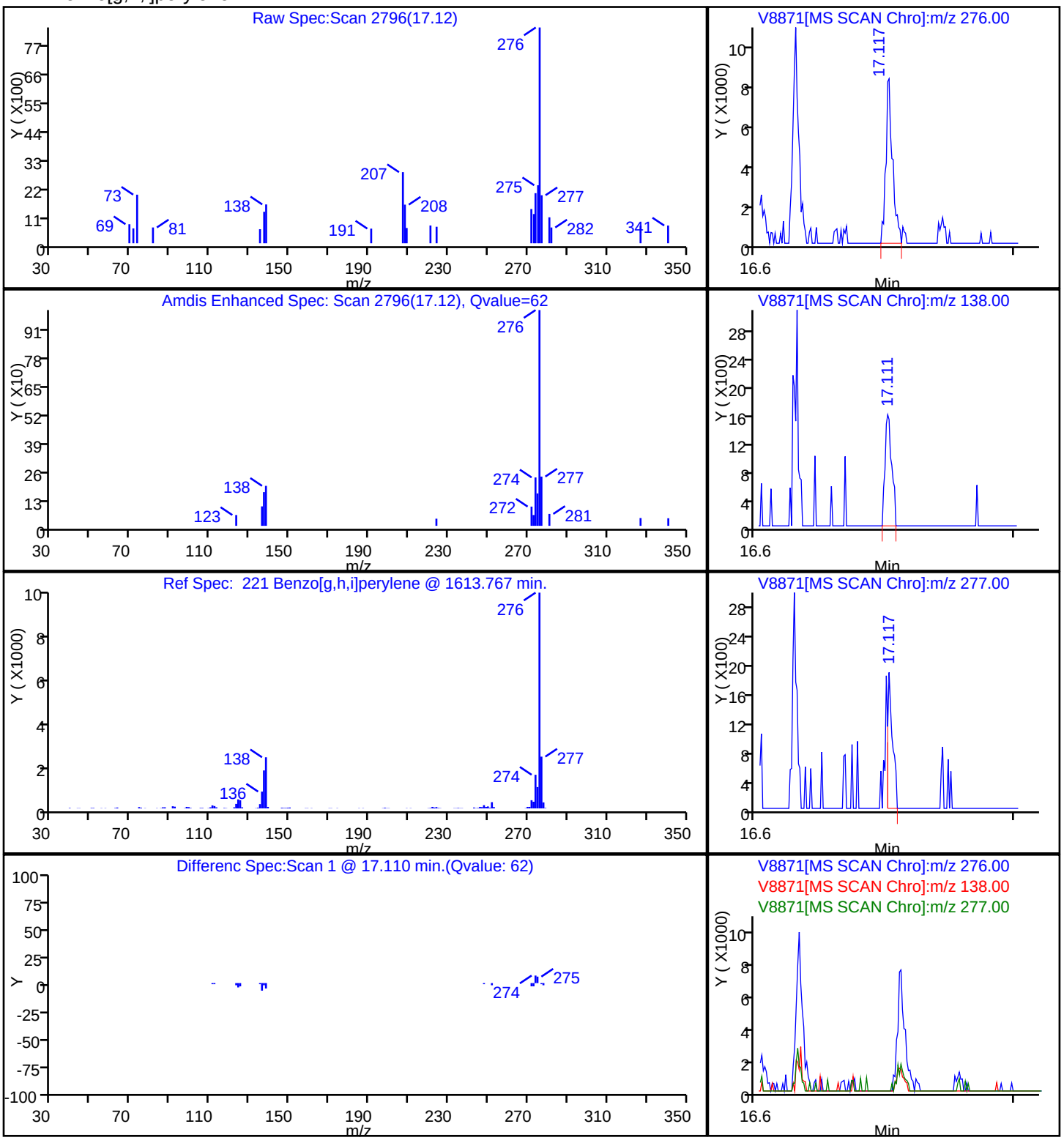


Report Date: 12-Apr-2012 11:00:20 Chrom Revision: 2.0 20-Feb-2012 13:27:02

Data File: \\Bufchrom\ChromData\HP5973V\20120411-10911.b\V8871.D

Injection Date:	12-Apr-2012 01:06:30	Limit Group:	MB - 8270C ICAL
Client ID:	RB-01 (6-12")	Instrument ID:	HP5973V
Lims Batch ID:	59155	Lims Sample ID:	13
Operator ID:	HL	Injection Vol:	1.00 ul
Column Type:	RXI-5Sil MS	Column Dia:	0.25 mm

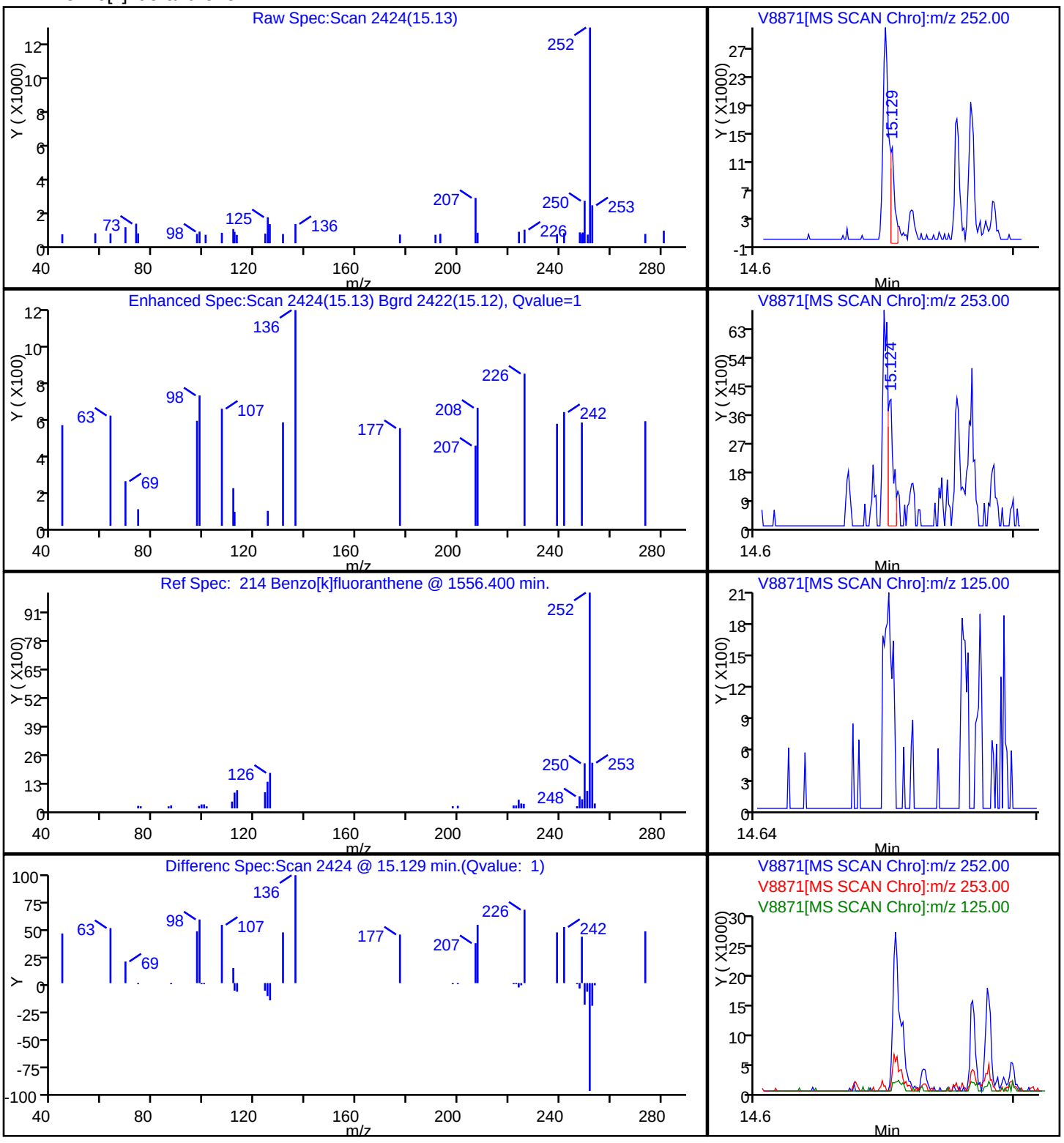
221 Benzo[g,h,i]perylene



Report Date: 12-Apr-2012 11:00:20 Chrom Revision: 2.0 20-Feb-2012 13:27:02

Data File:	\\Bufchrom\ChromData\HP5973V\20120411-10911.b\V8871.D		
Injection Date:	12-Apr-2012 01:06:30	Limit Group:	MB - 8270C ICAL
Client ID:	RB-01 (6-12")	Instrument ID:	HP5973V
Lims Batch ID:	59155	Lims Sample ID:	13
Operator ID:	HL	Injection Vol:	1.00 ul
Column Type:	RXI-5Sil MS	Column Dia:	0.25 mm

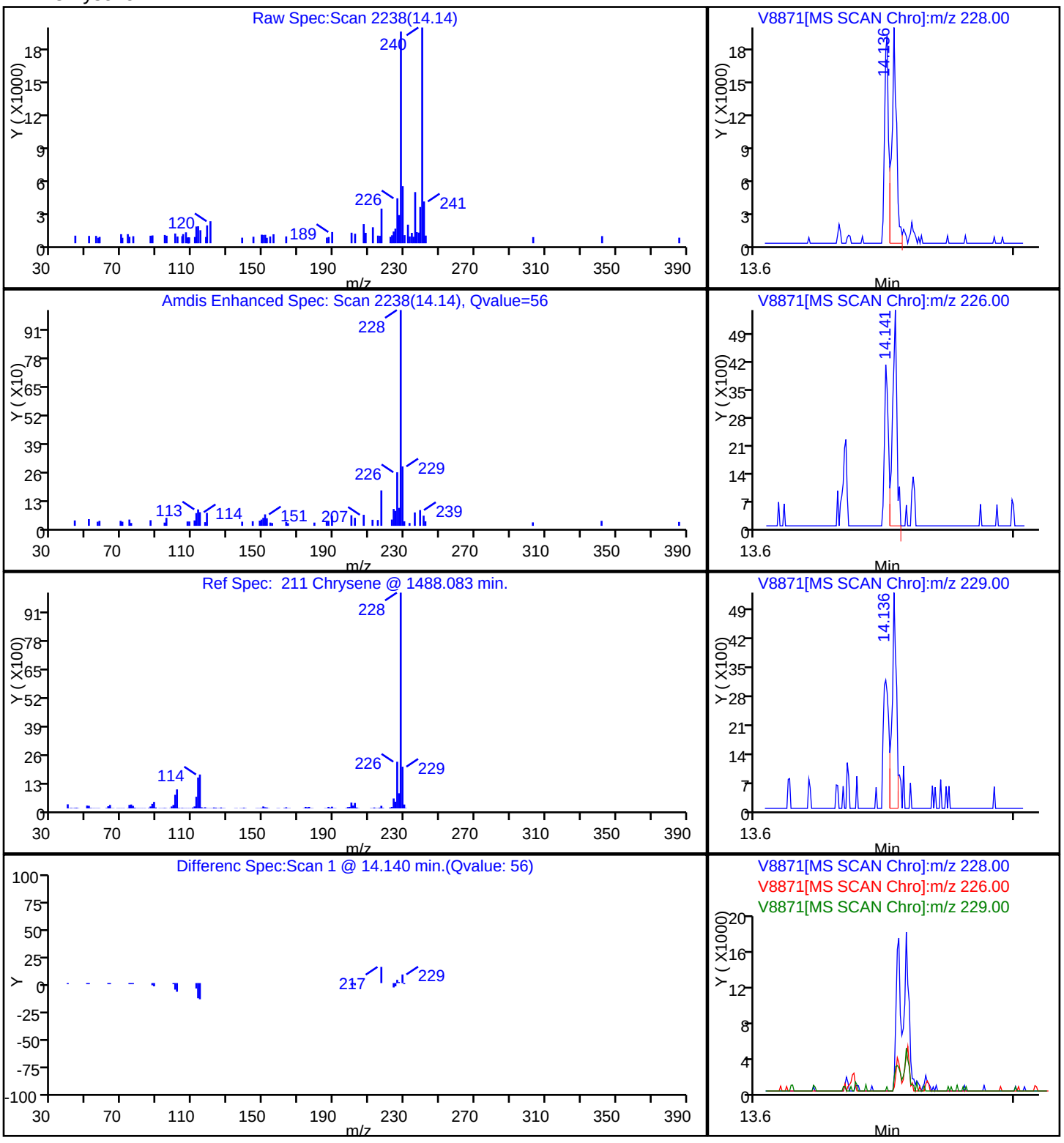
214 Benzo[k]fluoranthene



Report Date: 12-Apr-2012 11:00:20 Chrom Revision: 2.0 20-Feb-2012 13:27:02

Data File:	\\Bufchrom\ChromData\HP5973V\20120411-10911.b\V8871.D		
Injection Date:	12-Apr-2012 01:06:30	Limit Group:	MB - 8270C ICAL
Client ID:	RB-01 (6-12")	Instrument ID:	HP5973V
Lims Batch ID:	59155	Lims Sample ID:	13
Operator ID:	HL	Injection Vol:	1.00 ul
Column Type:	RXI-5Sil MS	Column Dia:	0.25 mm

211 Chrysene

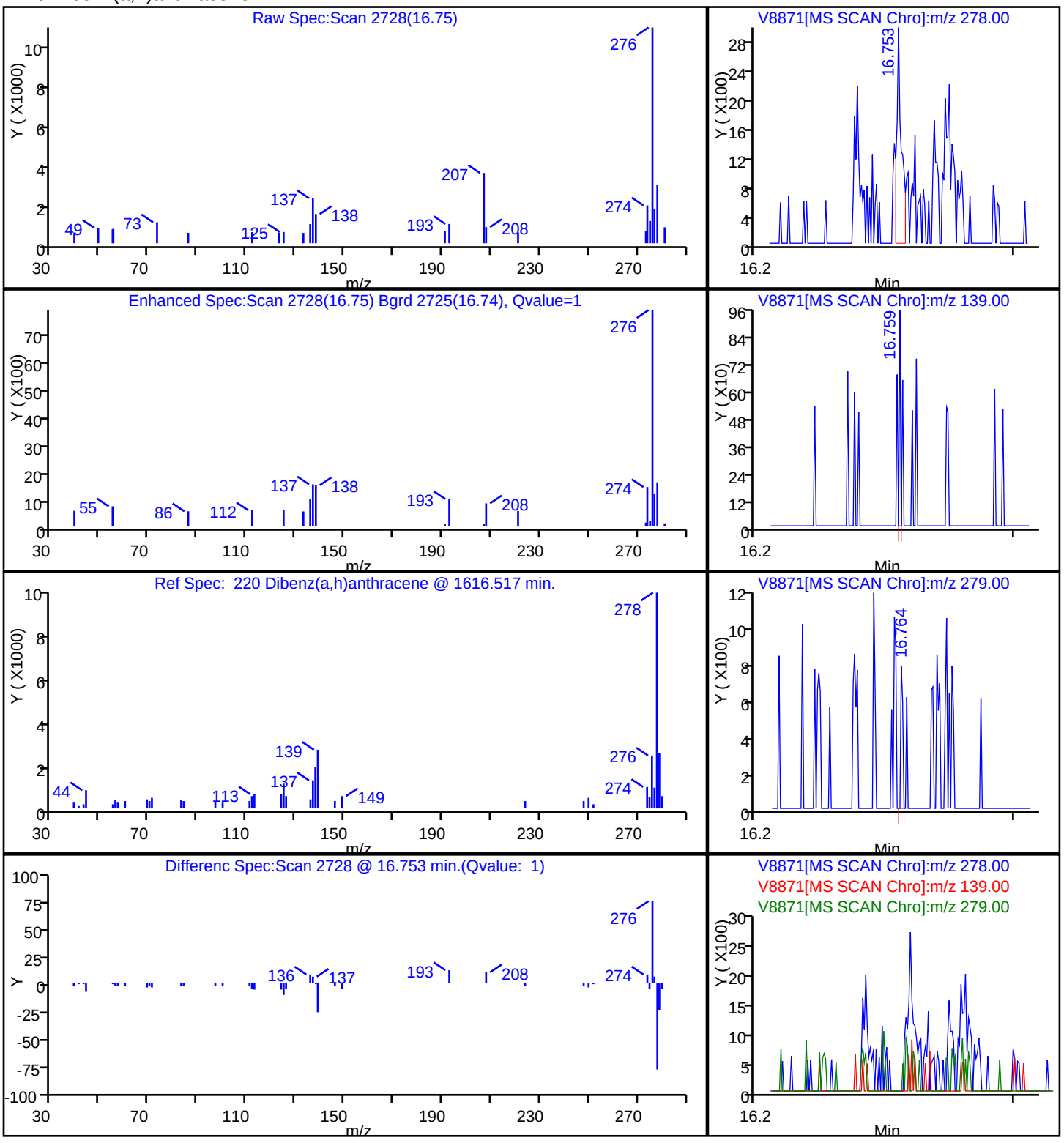


Report Date: 12-Apr-2012 11:00:20 Chrom Revision: 2.0 20-Feb-2012 13:27:02

Data File: \\Bufchrom\ChromData\HP5973V\20120411-10911.b\V8871.D

Injection Date:	12-Apr-2012 01:06:30	Limit Group:	MB - 8270C ICAL
Client ID:	RB-01 (6-12")	Instrument ID:	HP5973V
Lims Batch ID:	59155	Lims Sample ID:	13
Operator ID:	HL	Injection Vol:	1.00 ul
Column Type:	RXI-5Sil MS	Column Dia:	0.25 mm

220 Dibenz(a,h)anthracene

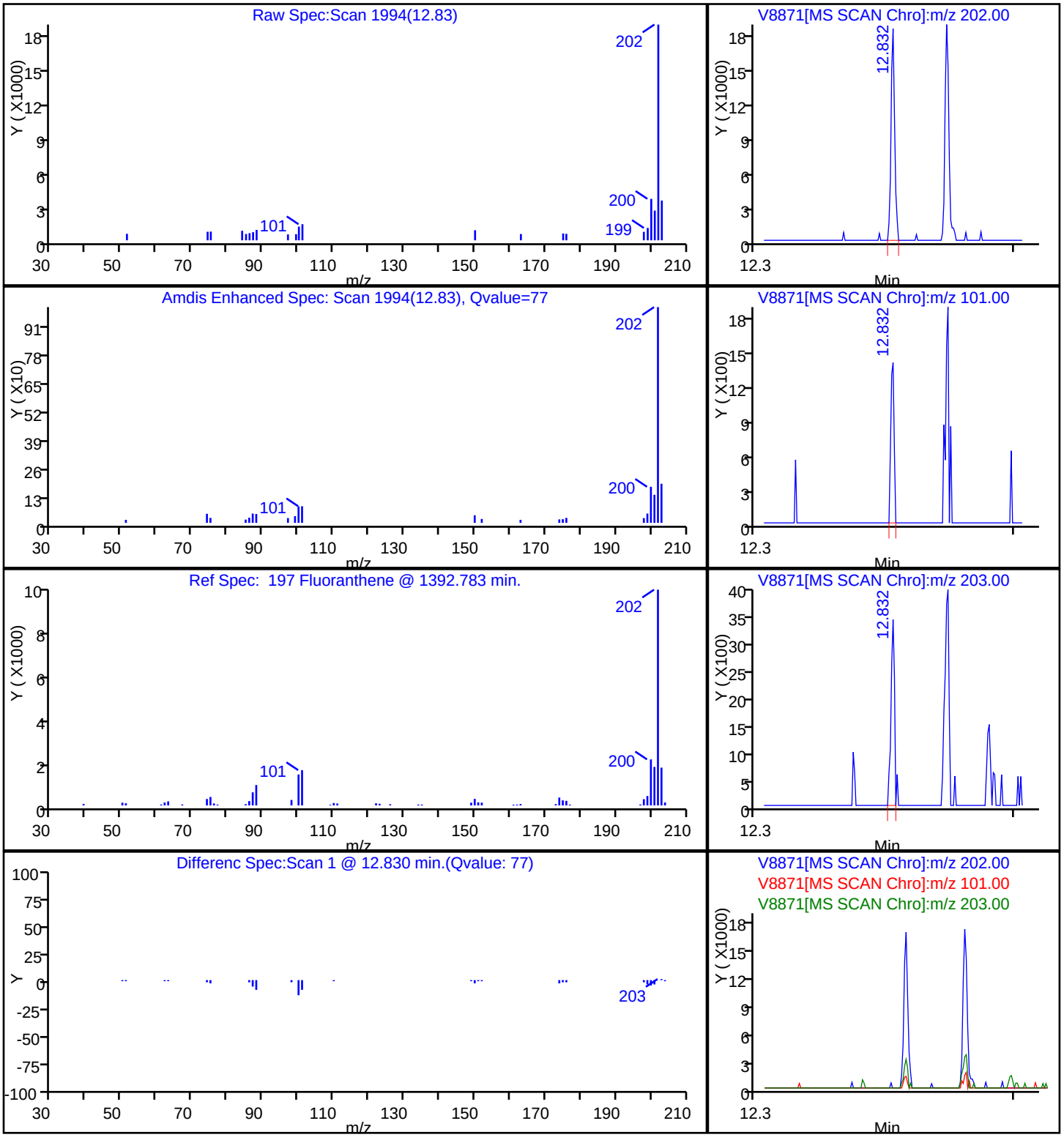


Report Date: 12-Apr-2012 11:00:20 Chrom Revision: 2.0 20-Feb-2012 13:27:02

Data File: \\Bufchrom\ChromData\HP5973V\20120411-10911.b\V8871.D

Injection Date:	12-Apr-2012 01:06:30	Limit Group:	MB - 8270C ICAL
Client ID:	RB-01 (6-12")	Instrument ID:	HP5973V
Lims Batch ID:	59155	Lims Sample ID:	13
Operator ID:	HL	Injection Vol:	1.00 ul
Column Type:	RXI-5Sil MS	Column Dia:	0.25 mm

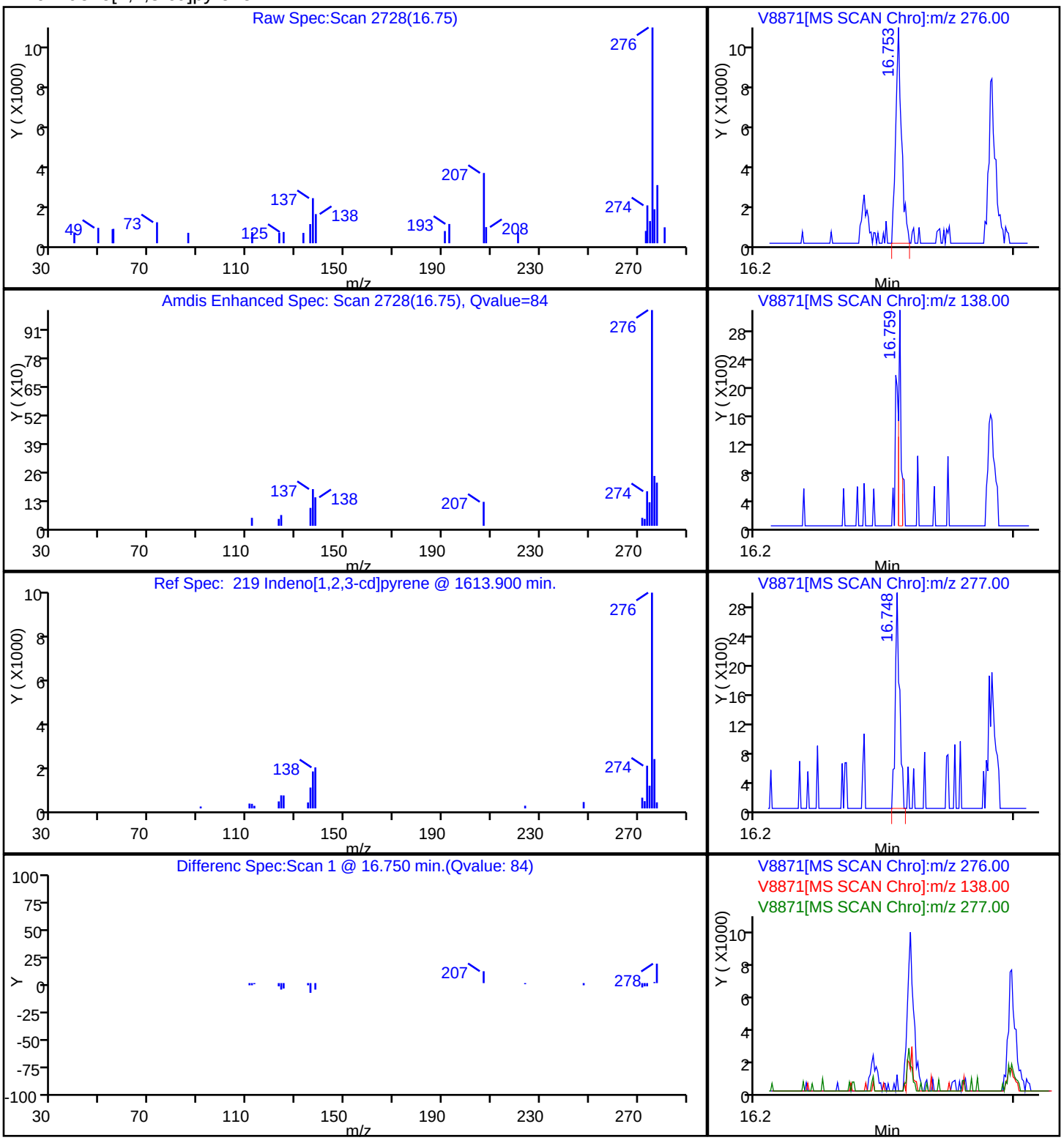
197 Fluoranthene



Report Date: 12-Apr-2012 11:00:20 Chrom Revision: 2.0 20-Feb-2012 13:27:02

Data File:	\\Bufchrom\ChromData\HP5973V\20120411-10911.b\V8871.D		
Injection Date:	12-Apr-2012 01:06:30	Limit Group:	MB - 8270C ICAL
Client ID:	RB-01 (6-12")	Instrument ID:	HP5973V
Lims Batch ID:	59155	Lims Sample ID:	13
Operator ID:	HL	Injection Vol:	1.00 ul
Column Type:	RXI-5Sil MS	Column Dia:	0.25 mm

219 Indeno[1,2,3-cd]pyrene

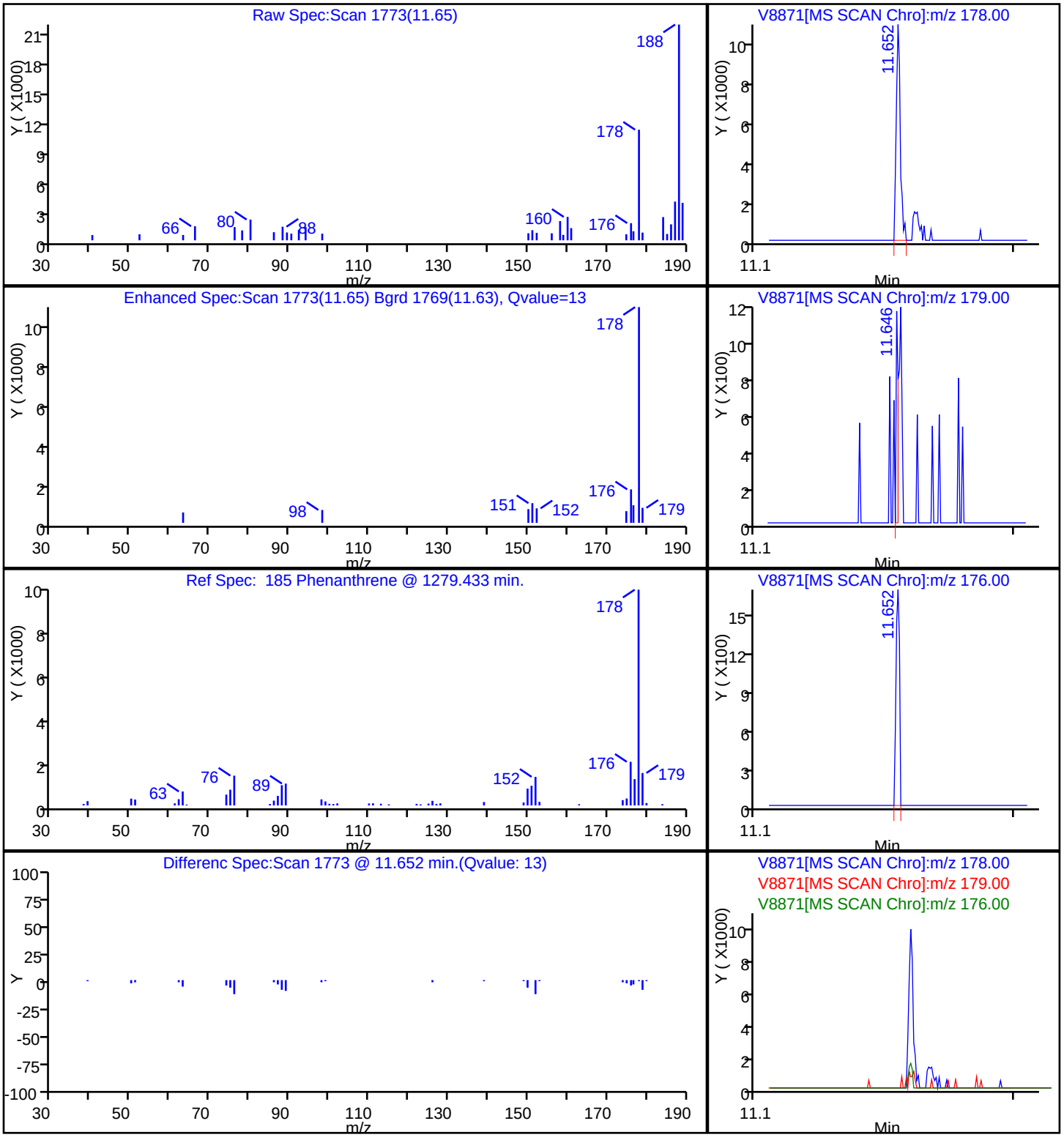


Report Date: 12-Apr-2012 11:00:20 Chrom Revision: 2.0 20-Feb-2012 13:27:02

Data File: \\Bufchrom\ChromData\HP5973V\20120411-10911.b\V8871.D

Injection Date:	12-Apr-2012 01:06:30	Limit Group:	MB - 8270C ICAL
Client ID:	RB-01 (6-12")	Instrument ID:	HP5973V
Lims Batch ID:	59155	Lims Sample ID:	13
Operator ID:	HL	Injection Vol:	1.00 ul
Column Type:	RXI-5Sil MS	Column Dia:	0.25 mm

185 Phenanthrene

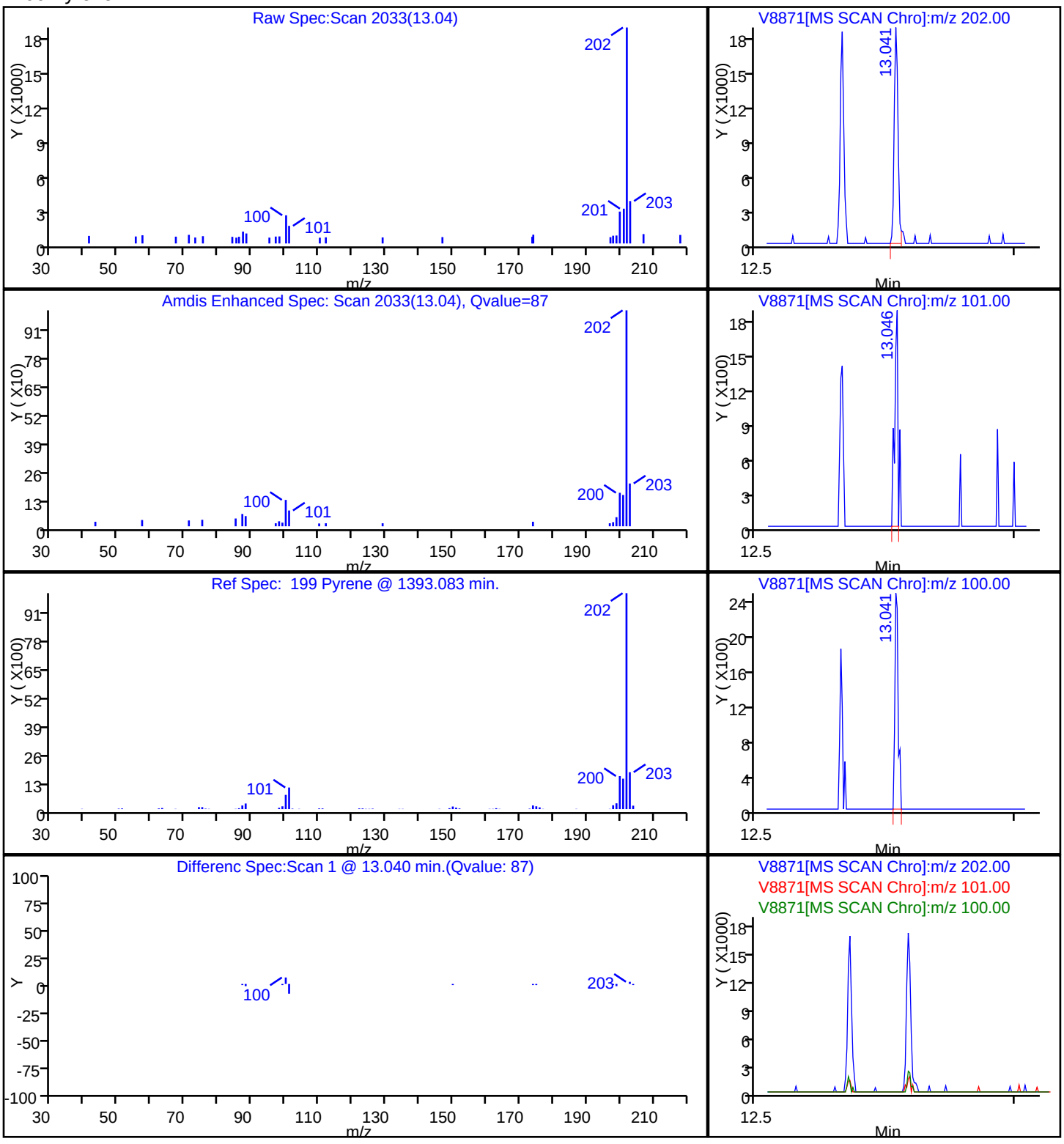


Report Date: 12-Apr-2012 11:00:20 Chrom Revision: 2.0 20-Feb-2012 13:27:02

Data File: \\Bufchrom\ChromData\HP5973V\20120411-10911.b\V8871.D

Injection Date:	12-Apr-2012 01:06:30	Limit Group:	MB - 8270C ICAL
Client ID:	RB-01 (6-12")	Instrument ID:	HP5973V
Lims Batch ID:	59155	Lims Sample ID:	13
Operator ID:	HL	Injection Vol:	1.00 ul
Column Type:	RXI-5Sil MS	Column Dia:	0.25 mm

199 Pyrene



Report Date: 12-Apr-2012 11:00:20 Chrom Revision: 2.0 20-Feb-2012 13:27:02

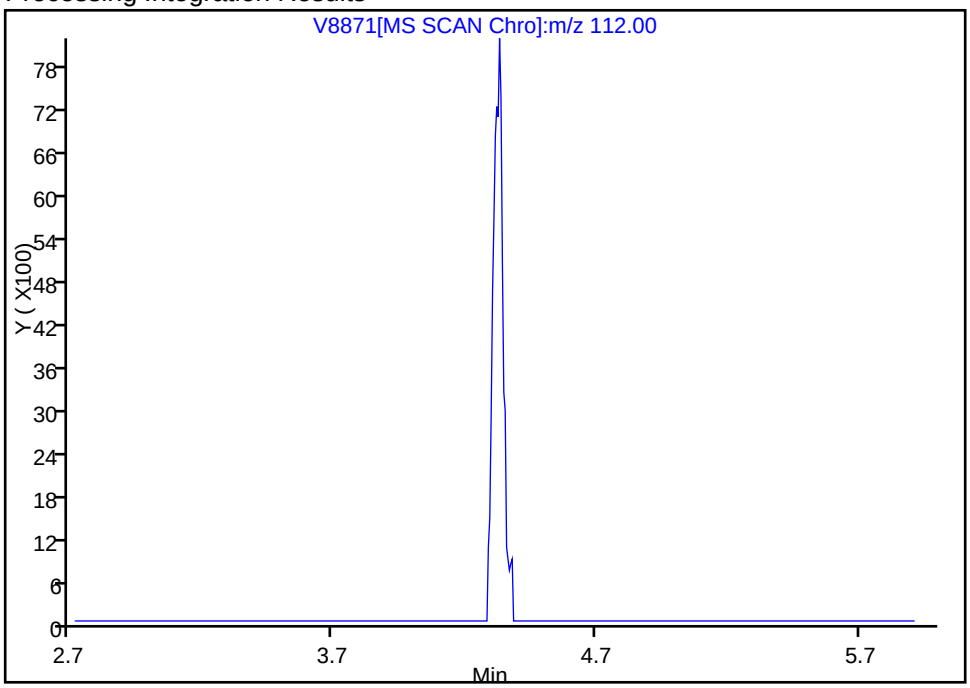
Manual Integration/User Assign Peak Report

Data File:	\\Bufchrom\ChromData\HP5973V\20120411-10911.b\V8871.D		
Injection Date:	12-Apr-2012 01:06:30	Limit Group:	MB - 8270C ICAL
Client ID:	RB-01 (6-12")	Instrument ID:	HP5973V
Lims Batch ID:	59155	Lims Sample ID:	13
Operator ID:	HL	Injection Vol:	1.00 ul
Column Type:	RXI-5Sil MS	Column Dia:	0.25 mm

$ 9 2-Fluorophenol, Signal: 1, m/z: 112.0 Type: quant, RT: 4.32

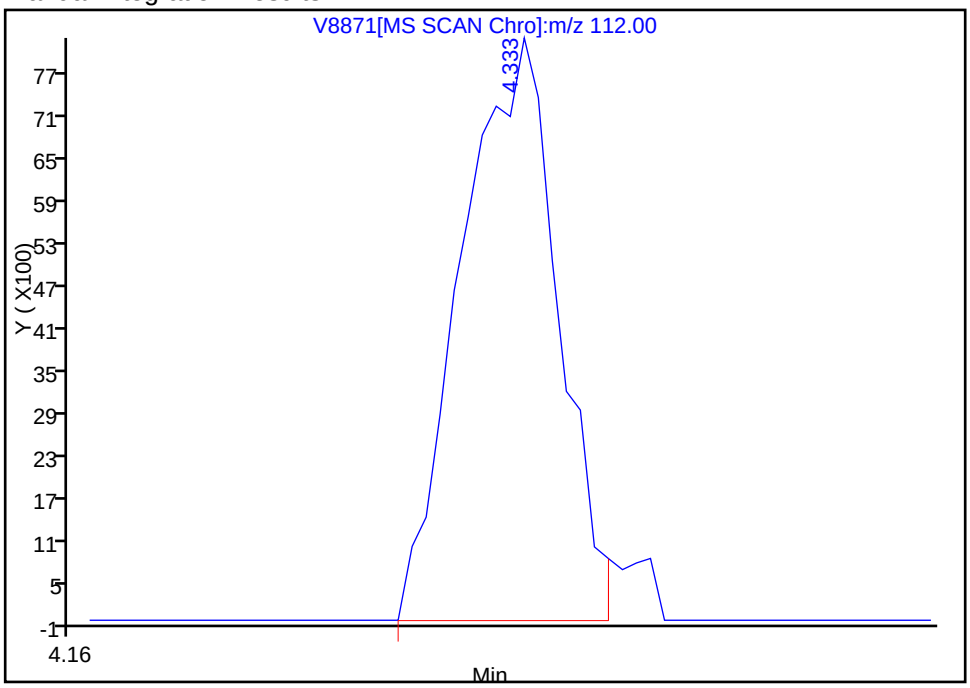
Not Detected
Expected RT: 4.32

Processing Integration Results



Manual Integration Results

RT: 4.33
Response: 20801
Amount: 4.983834



Reviewer: lyh, 12-Apr-2012 11:00:19
Audit Action: Manually Integrated
Audit Reason: Assign Peak

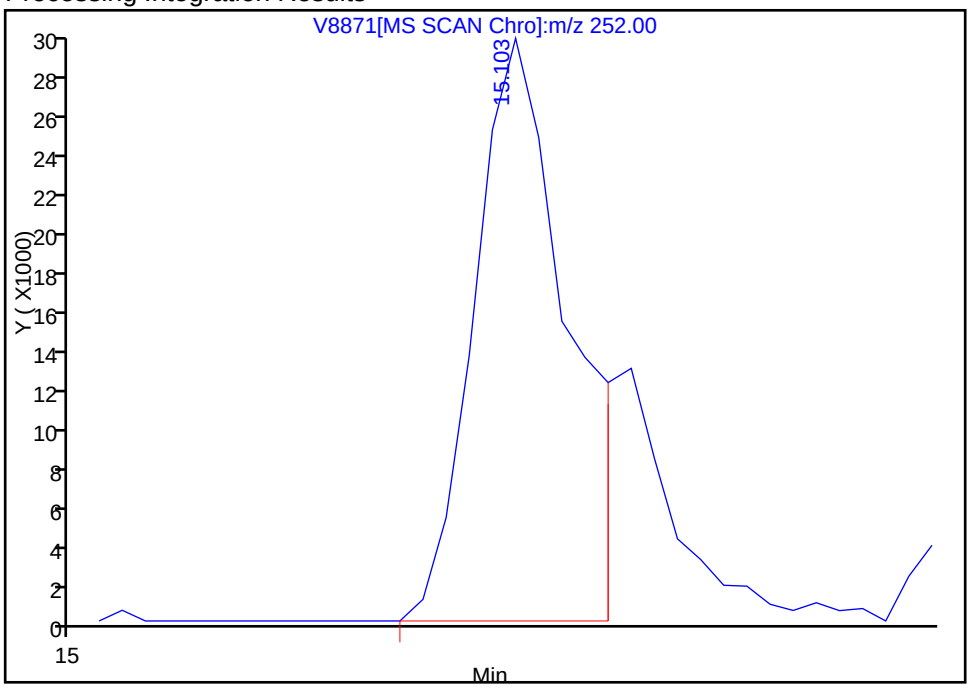
Manual Integration/User Assign Peak Report

Data File:	\\Bufchrom\ChromData\HP5973V\20120411-10911.b\V8871.D		
Injection Date:	12-Apr-2012 01:06:30	Limit Group:	MB - 8270C ICAL
Client ID:	RB-01 (6-12")	Instrument ID:	HP5973V
Lims Batch ID:	59155	Lims Sample ID:	13
Operator ID:	HL	Injection Vol:	1.00 ul
Column Type:	RXI-5Sil MS	Column Dia:	0.25 mm

214 Benzo[k]fluoranthene, Signal: 1, m/z: 252.0 Type: quant, RT: 15.13

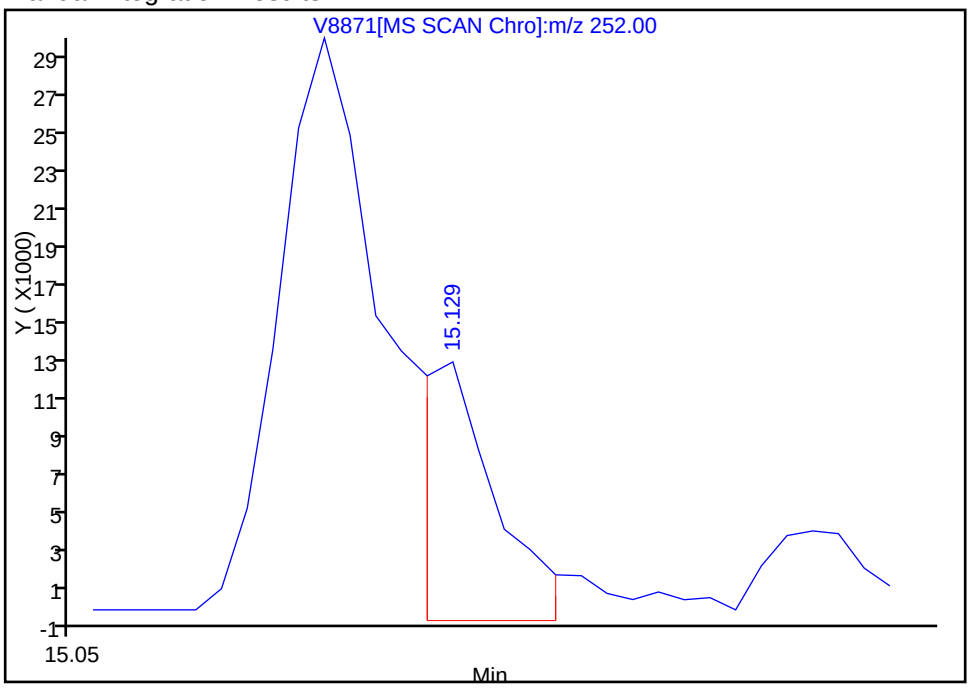
Processing Integration Results

RT: 15.10
Response: 45254
Amount: 2.484202



Manual Integration Results

RT: 15.13
Response: 14780
Amount: 0.811343



Reviewer: lyh, 12-Apr-2012 11:00:19
Audit Action: Manually Integrated
Audit Reason: Assign Peak

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Buffalo | Job No.: 480-18292-1

SDG No.:

Client Sample ID: RB-01 (12-24") | Lab Sample ID: 480-18292-7

Matrix: Solid | Lab File ID: V8872.D

Analysis Method: 8270C | Date Collected: 04/05/2012 16:10

Extract. Method: 3550B | Date Extracted: 04/10/2012 07:39

Sample wt/vol: +30.61(g) | Date Analyzed: 04/12/2012 01:30

Con. Extract Vol.: 1(mL) | Dilution Factor: 20

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

% Moisture: 17.5 | GPC Cleanup:(Y/N) N

Analysis Batch No.: 59155 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
95-95-4	2,4,5-Trichlorophenol	ND		4000	880
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	620
606-20-2	2,6-Dinitrotoluene	ND		4000	980
91-58-7	2-Chloronaphthalene	ND		4000	270
95-57-8	2-Chlorophenol	ND		4000	200
91-57-6	2-Methylnaphthalene	310	J	4000	49
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	920
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	170
106-47-8	4-Chloroaniline	ND		4000	1200
7005-72-3	4-Chlorophenyl phenyl ether	ND		4000	86
106-44-5	4-Methylphenol	ND		7800	220
100-01-6	4-Nitroaniline	ND		7800	450
100-02-7	4-Nitrophenol	ND		7800	970
83-32-9	Acenaphthene	490	J	4000	47
208-96-8	Acenaphthylene	ND		4000	33
98-86-2	Acetophenone	ND		4000	210
120-12-7	Anthracene	820	J	4000	100
1912-24-9	Atrazine	ND		4000	180
100-52-7	Benzaldehyde	ND		4000	440
56-55-3	Benzo(a)anthracene	3800	J	4000	69
50-32-8	Benzo(a)pyrene	4900		4000	97
205-99-2	Benzo(b)fluoranthene	6100		4000	78
191-24-2	Benzo(g,h,i)perylene	2800	J	4000	48
207-08-9	Benzo(k)fluoranthene	3000	J	4000	44

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Buffalo | Job No.: 480-18292-1

SDG No.:

Client Sample ID: RB-01 (12-24") | Lab Sample ID: 480-18292-7

Matrix: Solid | Lab File ID: V8872.D

Analysis Method: 8270C | Date Collected: 04/05/2012 16:10

Extract. Method: 3550B | Date Extracted: 04/10/2012 07:39

Sample wt/vol: +30.61(g) | Date Analyzed: 04/12/2012 01:30

Con. Extract Vol.: 1(mL) | Dilution Factor: 20

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

% Moisture: 17.5 | GPC Cleanup:(Y/N) N

Analysis Batch No.: 59155 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
92-52-4	Biphenyl	ND		4000	250
108-60-1	bis (2-chloroisopropyl) ether	ND		4000	420
111-91-1	Bis(2-chloroethoxy)methane	ND		4000	220
111-44-4	Bis(2-chloroethyl)ether	ND		4000	350
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	ND		4000	46
218-01-9	Chrysene	4200		4000	40
53-70-3	Dibenz(a,h)anthracene	3100	J	4000	47
132-64-9	Dibenzofuran	ND		4000	42
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	94
206-44-0	Fluoranthene	5900		4000	58
86-73-7	Fluorene	350	J	4000	92
118-74-1	Hexachlorobenzene	ND		4000	200
87-68-3	Hexachlorobutadiene	ND		4000	210
77-47-4	Hexachlorocyclopentadiene	ND		4000	1200
67-72-1	Hexachloroethane	ND		4000	310
193-39-5	Indeno(1,2,3-cd)pyrene	2500	J	4000	110
78-59-1	Isophorone	ND		4000	200
91-20-3	Naphthalene	370	J	4000	67
98-95-3	Nitrobenzene	ND		4000	180
621-64-7	N-Nitrosodi-n-propylamine	ND		4000	320
86-30-6	N-Nitrosodiphenylamine	ND		4000	220
87-86-5	Pentachlorophenol	ND		7800	1400
85-01-8	Phenanthrene	4100		4000	84
108-95-2	Phenol	ND		4000	420
129-00-0	Pyrene	4800		4000	26

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Buffalo | Job No.: 480-18292-1

SDG No.:

Client Sample ID: RB-01 (12-24") | Lab Sample ID: 480-18292-7

Matrix: Solid | Lab File ID: V8872.D

Analysis Method: 8270C | Date Collected: 04/05/2012 16:10

Extract. Method: 3550B | Date Extracted: 04/10/2012 07:39

Sample wt/vol: +30.61(g) | Date Analyzed: 04/12/2012 01:30

Con. Extract Vol.: 1(mL) | Dilution Factor: 20

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

% Moisture: 17.5 | GPC Cleanup:(Y/N) N

Analysis Batch No.: 59155 | Units: ug/Kg

CAS NO.	SURROGATE	%REC	Q	LIMITS
118-79-6	2,4,6-Tribromophenol	66		39-146
321-60-8	2-Fluorobiphenyl	89		37-120
367-12-4	2-Fluorophenol	68		18-120
4165-60-0	Nitrobenzene-d5	78		34-132
4165-62-2	Phenol-d5	69		11-120
1718-51-0	p-Terphenyl-d14	97		65-153

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

Lab Name: TestAmerica Buffalo | Job No.: 480-18292-1

SDG No.:

Client Sample ID: RB-01 (12-24") | Lab Sample ID: 480-18292-7

Matrix: Solid | Lab File ID: V8872.D

Analysis Method: 8270C | Date Collected: 04/05/2012 16:10

Extract. Method: 3550B | Date Extracted: 04/10/2012 07:39

Sample wt/vol: +30.61(g) | Date Analyzed: 04/12/2012 01:30

Con. Extract Vol.: 1(mL) | Dilution Factor: 20

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

% Moisture: 17.5 | GPC Cleanup:(Y/N) N

Analysis Batch No.: 59155 | Units: ug/Kg

Number TICs Found: 1 | TIC Result Total: 3600

CAS NO.	COMPOUND NAME	RT	RESULT	Q
	Unknown	15.38	3600	T J

TestAmerica Laboratories
Target Compound Quantitation Report

Data File:	\\Bufchrom\ChromData\HP5973V\20120411-10911.b\V8872.D		
Lims ID:	480-18292-C-7-B	Client ID:	RB-01 (12-24")
Inject. Date:	12-Apr-2012 01:30:30	Dil. Factor:	20.0000
Sample Type:	Client		
Sample ID:	480-0010911-014		
Misc. Info.:	480-18292-C-7-B		
Operator:	HL	Instrument ID:	HP5973V
Vol. Injected:	1.0000	ALS Bottle#:	37
Lims Batch ID:	59155	Lims Sample ID:	14
Detector:	MS SCAN		
Method:	\\Bufchrom\ChromData\HP5973V\20120411-10911.b\V-8270.m		
Last Update:	12-Apr-2012 11:04:35	Calib Date:	09-Apr-2012 16:15:30
Quant Method:	Internal Standard	Quant By:	Initial Calibration
Last ICal File:	\\Bufchrom\ChromData\HP5973V\20120409-10827.b\V8763.D		
Limit Group:	MB - 8270C ICAL		
Integrator:	RTE	ID Type:	Deconvolution ID
Process Host:	CORP-CTX-19		
First Level Reviewer: lyh		Date:	12-Apr-2012 11:04:35

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ng/uL	Flags
* 1 1,4-Dichlorobenzene-d4	152	6.010	6.005	0.005	96	123871	40.0	
* 2 Naphthalene-d8	136	7.666	7.661	0.005	99	473840	40.0	
* 3 Acenaphthene-d10	164	9.926	9.926	0.0	91	286049	40.0	
* 4 Phenanthrene-d10	188	11.625	11.625	0.0	97	483560	40.0	
* 5 Chrysene-d12	240	14.120	14.120	0.0	97	526960	40.0	
* 6 Perylene-d12	264	15.498	15.498	0.0	99	573364	40.0	
$ 9 2-Fluorophenol	112	4.322	4.317	0.005	27	21804	5.12	
$ 10 Phenol-d5	99	5.545	5.535	0.010	72	29083	5.14	
$ 11 Nitrobenzene-d5	82	6.742	6.737	0.005	56	19528	3.88	
$ 12 2-Fluorobiphenyl	172	9.077	9.066	0.011	85	40202	4.47	
$ 13 2,4,6-Tribromophenol	330	10.888	10.877	0.011	8	4786	4.93	
$ 14 p-Terphenyl-d14	244	13.169	13.169	0.0	84	55762	4.87	
88 Benzaldehyde	77		5.444					
89 Phenol	94		5.551					
91 Bis(2-chloroethyl)ether	93		5.668					
93 2-Chlorophenol	128		5.732					
98 2-Methylphenol	108		6.341					
99 2,2'-oxybis[1-chloropropane]	45		6.368					
104 Acetophenone	105		6.539					
101 N-Nitrosodi-n-propylamine	70		6.544					
102 4-Methylphenol	108		6.550					
106 Hexachloroethane	117		6.662					
107 Nitrobenzene	77		6.758					
110 Isophorone	82		7.073					
111 2-Nitrophenol	139		7.175					
112 2,4-Dimethylphenol	107		7.244					
115 Bis(2-chloroethoxy)methane	93		7.362					
117 2,4-Dichlorophenol	162		7.490					
121 Naphthalene	128	7.693	7.693	0.0	1	5586	0.4687	
123 4-Chloroaniline	127		7.778					
126 Hexachlorobutadiene	225		7.853					

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ng/uL	Flags
127 Caprolactam	113		8.222					
131 4-Chloro-3-methylphenol	107		8.414					
133 2-Methylnaphthalene	142	8.606	8.590	0.016	2	3167	0.3871	
136 Hexachlorocyclopentadiene	237		8.788					
139 2,4,6-Trichlorophenol	196		8.959					
140 2,4,5-Trichlorophenol	196		9.012					
144 1,1'-Biphenyl	154		9.194					
143 2-Chloronaphthalene	162		9.215					
145 2-Nitroaniline	65		9.370					
147 Dimethyl phthalate	163		9.605					
148 2,6-Dinitrotoluene	165		9.686					
149 Acenaphthylene	152		9.750					
150 3-Nitroaniline	138		9.910					
151 Acenaphthene	153	9.969	9.969	0.0	11	4484	0.6122	
152 2,4-Dinitrophenol	184		10.044					
153 4-Nitrophenol	109		10.150					
155 Dibenzofuran	168		10.182					
154 2,4-Dinitrotoluene	165		10.193					
160 Diethyl phthalate	149		10.482					
161 Fluorene	166	10.604	10.594	0.010	6	4131	0.4356	
162 4-Chlorophenyl phenyl ether	204		10.599					
164 4-Nitroaniline	138		10.653					
166 4,6-Dinitro-2-methylphenol	198		10.679					
167 N-Nitrosodiphenylamine	169		10.743					
176 4-Bromophenyl phenyl ether	248		11.149					
177 Hexachlorobenzene	284		11.213					
180 Atrazine	200		11.347					
181 Pentachlorophenol	266		11.433					
185 Phenanthrene	178	11.652	11.652	0.0	89	67559	5.18	
188 Anthracene	178	11.716	11.705	0.011	35	13718	1.04	
189 Carbazole	167		11.881					
192 Di-n-butyl phthalate	149		12.218					
197 Fluoranthene	202	12.827	12.827	0.0	94	105652	7.42	
199 Pyrene	202	13.035	13.041	-0.006	96	93419	6.04	
205 Butyl benzyl phthalate	149		13.596					
210 Bis(2-ethylhexyl) phthalate	149		14.077					
208 3,3'-Dichlorobenzidine	252		14.082					
209 Benzo[a]anthracene	228	14.109	14.109	0.0	89	70903	4.83	
211 Chrysene	228	14.136	14.146	-0.010	87	79076	5.29	
212 Di-n-octyl phthalate	149		14.643					
213 Benzo[b]fluoranthene	252	15.103	15.103	0.0	89	126493	7.73	M
214 Benzo[k]fluoranthene	252	15.113	15.135	-0.022	96	70590	3.76	M
217 Benzo[a]pyrene	252	15.439	15.439	0.0	61	88653	6.20	
219 Indeno[1,2,3-cd]pyrene	276	16.743	16.759	-0.016	93	48009	3.13	
220 Dibenz(a,h)anthracene	278	16.743	16.764	-0.021	1	13950	3.89	
221 Benzo[g,h,i]perylene	276	17.106	17.122	-0.016	75	44691	3.51	

QC Flag Legend

Review Flags
M - Manually Integrated

TestAmerica Laboratories
Tentatively Identified Quantitation Report

Data File:	\\Bufchrom\ChromData\HP5973V\20120411-10911.b\V8872.D		
Lims ID:	480-18292-C-7-B	Client ID:	RB-01 (12-24")
Inject. Date:	12-Apr-2012 01:30:30	Dil. Factor:	20.0000
Sample Type:	Client		
Sample ID:	480-0010911-014		
Misc. Info.:	480-18292-C-7-B		
Operator:	HL	Instrument ID:	HP5973V
Vol. Injected:	1.0000	ALS Bottle#:	37
Lims Batch ID:	59155	Lims Sample ID:	14
Detector:	MS SCAN		
Method:	\\Bufchrom\ChromData\HP5973V\20120411-10911.b\V-8270.m		
Last Update:	12-Apr-2012 11:04:35	Calib Date:	09-Apr-2012 16:15:30
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: lyh		Date:	12-Apr-2012 11:04:35

Calibrated Tentative Identified Compound Results

Compound	RT	Response	Amount ng/uL	Flags
1-Methylnaphthalene (TIC)	8.724	5006	0.7000	
Anthraquinone	12.480	1171	0.3079	

Tentative Identified Compound Results

RT	Response	Amount ng/uL	Quant Cpnd	Qual	Lib Entry	Flags
	Unknown					
15.380	176463	4.50	6			

Quantitation Compounds

Compound	RT	Response	Amount ng/uL
* 6 Perylene-d12	15.498	1568571	40.0

QC Flag Legend

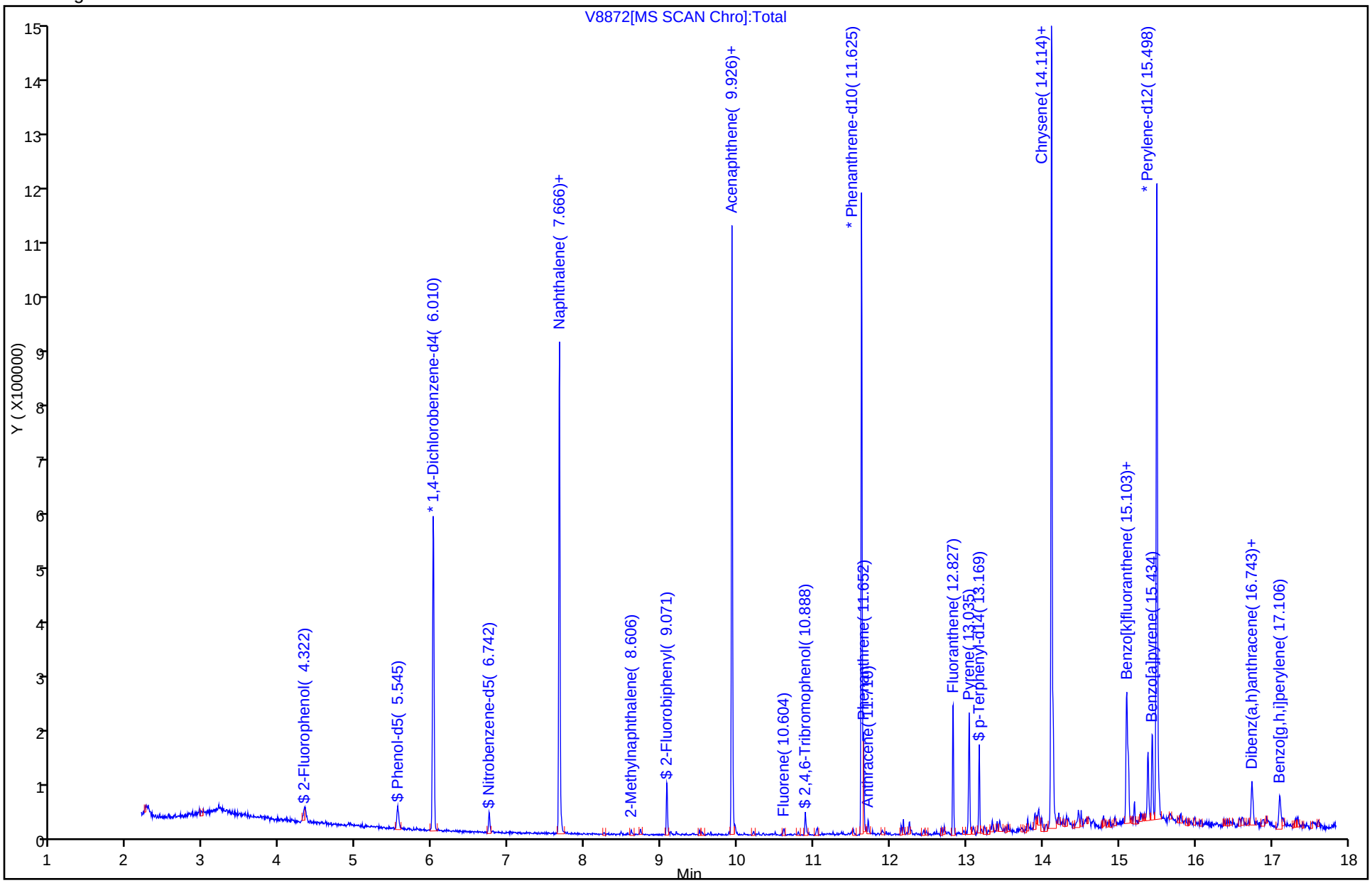
Processing Flags

Report Date: 12-Apr-2012 11:04:35 Chrom Revision: 2.0 20-Feb-2012 13:27:02

Data File: \\Bufchrom\ChromData\HP5973V\20120411-10911.b\V8872.D

Injection Date:	12-Apr-2012 01:30:30	Limit Group:	MB - 8270C ICAL
Client ID:	RB-01 (12-24")	Instrument ID:	HP5973V
Lims Batch ID:	59155	Lims Sample ID:	14
Operator ID:	HL	Injection Vol:	1.00 ul
Column Type:	RXI-5Sil MS	Column Dia:	0.25 mm

Y Scaling:

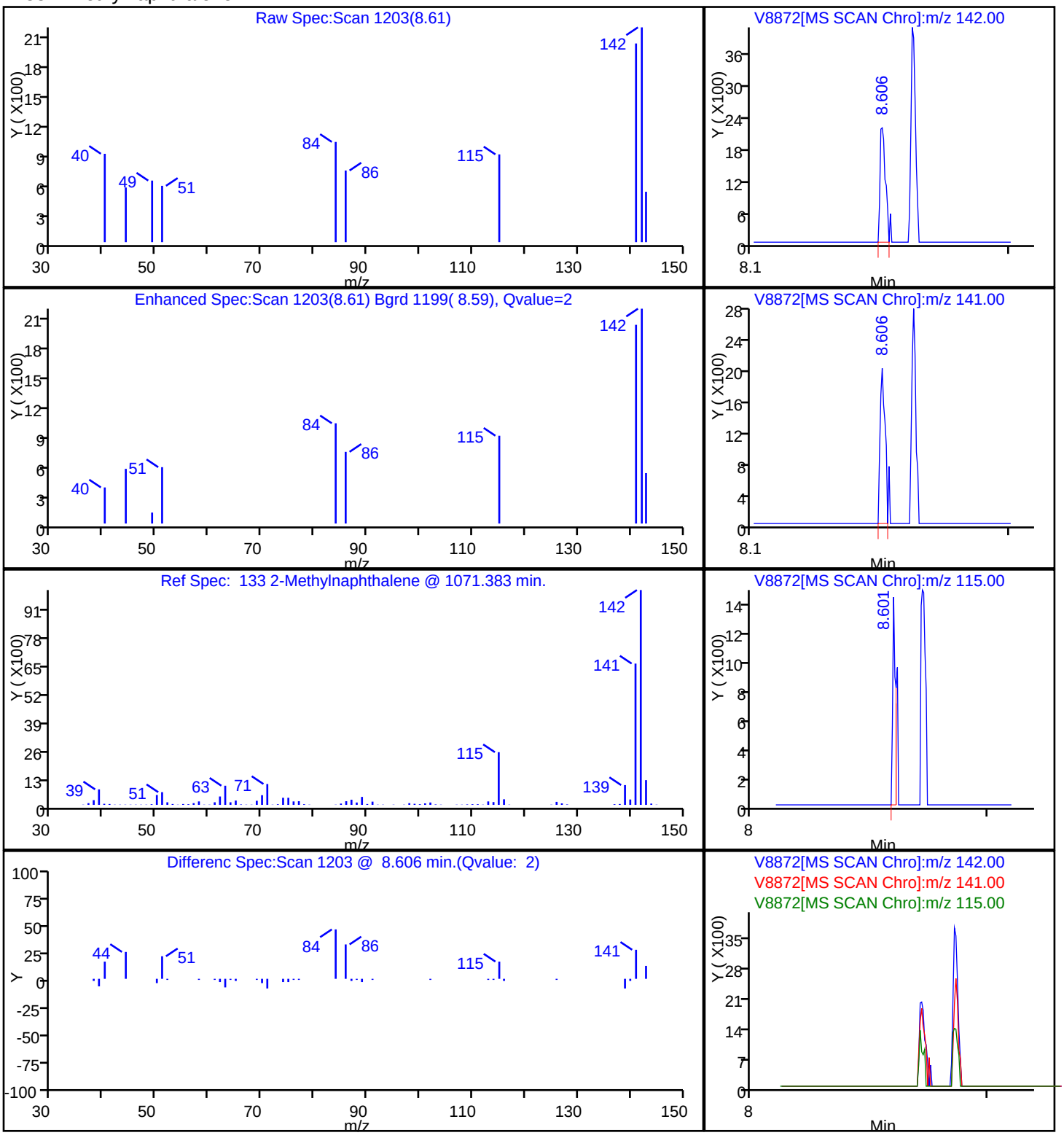


Report Date: 12-Apr-2012 11:04:35 Chrom Revision: 2.0 20-Feb-2012 13:27:02

Data File: \\Bufchrom\ChromData\HP5973V\20120411-10911.b\V8872.D

Injection Date:	12-Apr-2012 01:30:30	Limit Group:	MB - 8270C ICAL
Client ID:	RB-01 (12-24")	Instrument ID:	HP5973V
Lims Batch ID:	59155	Lims Sample ID:	14
Operator ID:	HL	Injection Vol:	1.00 ul
Column Type:	RXI-5Sil MS	Column Dia:	0.25 mm

133 2-Methylnaphthalene

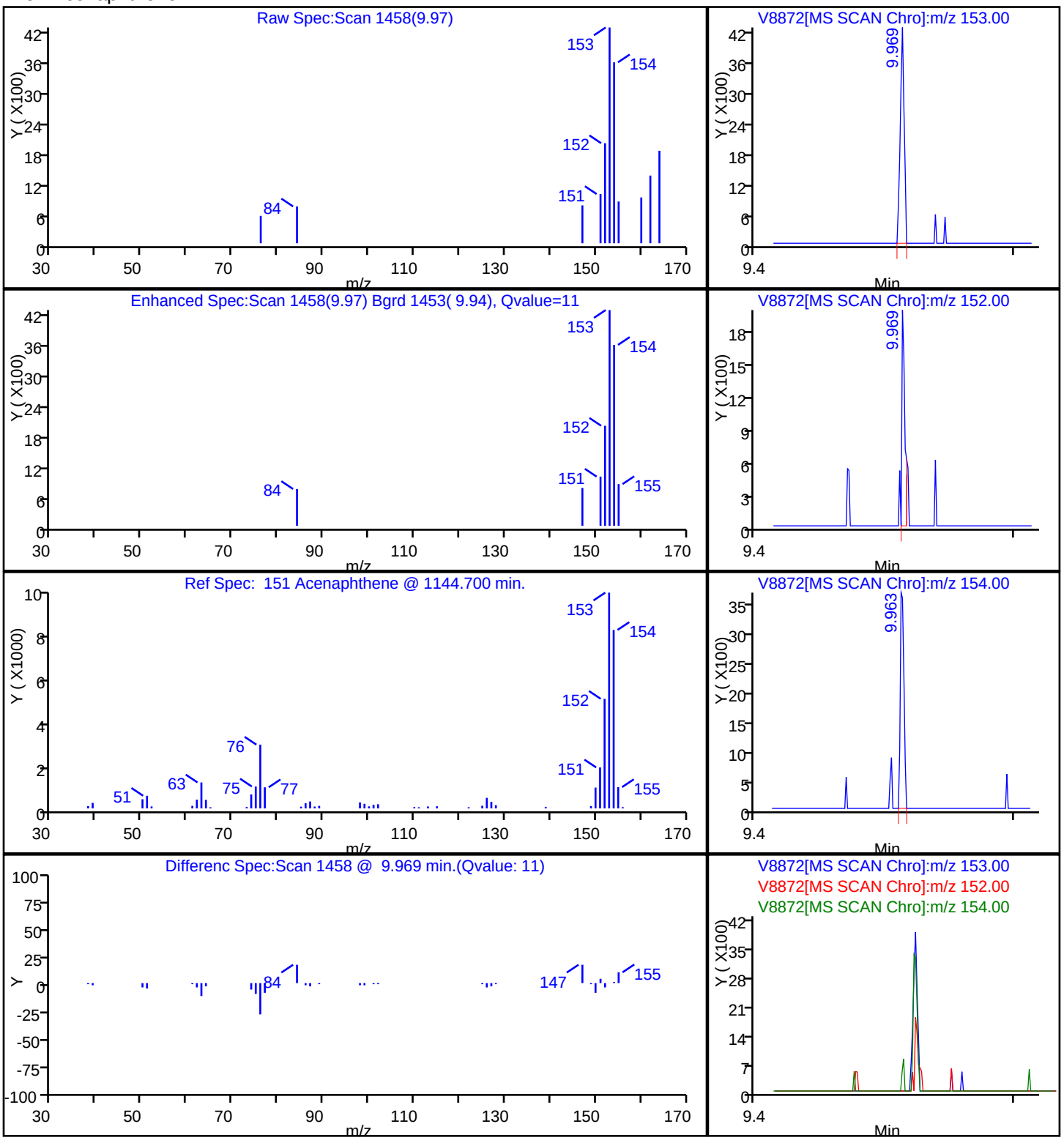


Report Date: 12-Apr-2012 11:04:35 Chrom Revision: 2.0 20-Feb-2012 13:27:02

Data File: \\Bufchrom\ChromData\HP5973V\20120411-10911.b\V8872.D

Injection Date:	12-Apr-2012 01:30:30	Limit Group:	MB - 8270C ICAL
Client ID:	RB-01 (12-24")	Instrument ID:	HP5973V
Lims Batch ID:	59155	Lims Sample ID:	14
Operator ID:	HL	Injection Vol:	1.00 ul
Column Type:	RXI-5Sil MS	Column Dia:	0.25 mm

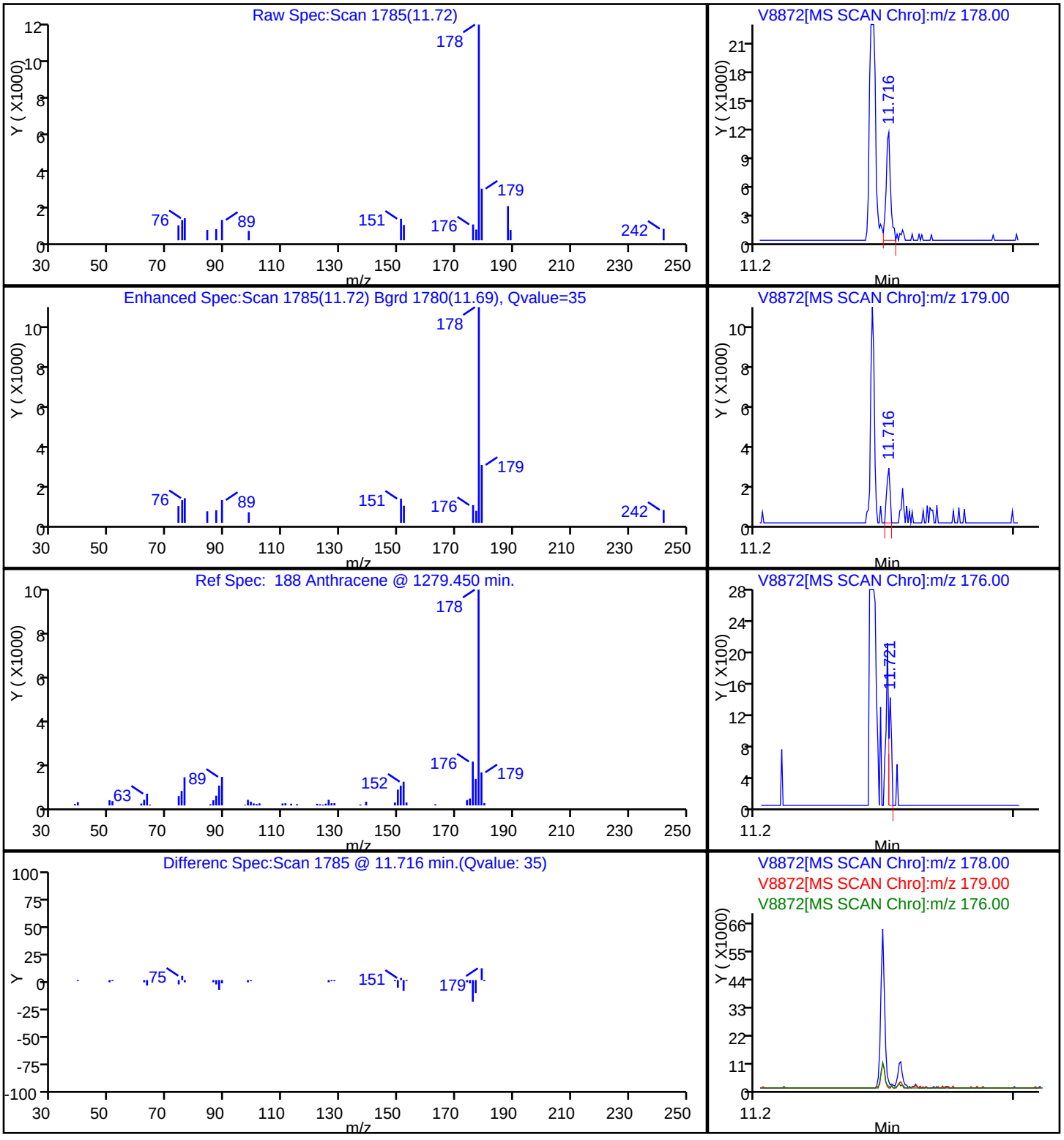
151 Acenaphthene



Report Date: 12-Apr-2012 11:04:36 Chrom Revision: 2.0 20-Feb-2012 13:27:02

Data File:	\\Bufchrom\ChromData\HP5973V\20120411-10911.b\V8872.D		
Injection Date:	12-Apr-2012 01:30:30	Limit Group:	MB - 8270C ICAL
Client ID:	RB-01 (12-24")	Instrument ID:	HP5973V
Lims Batch ID:	59155	Lims Sample ID:	14
Operator ID:	HL	Injection Vol:	1.00 ul
Column Type:	RXI-5Sil MS	Column Dia:	0.25 mm

188 Anthracene

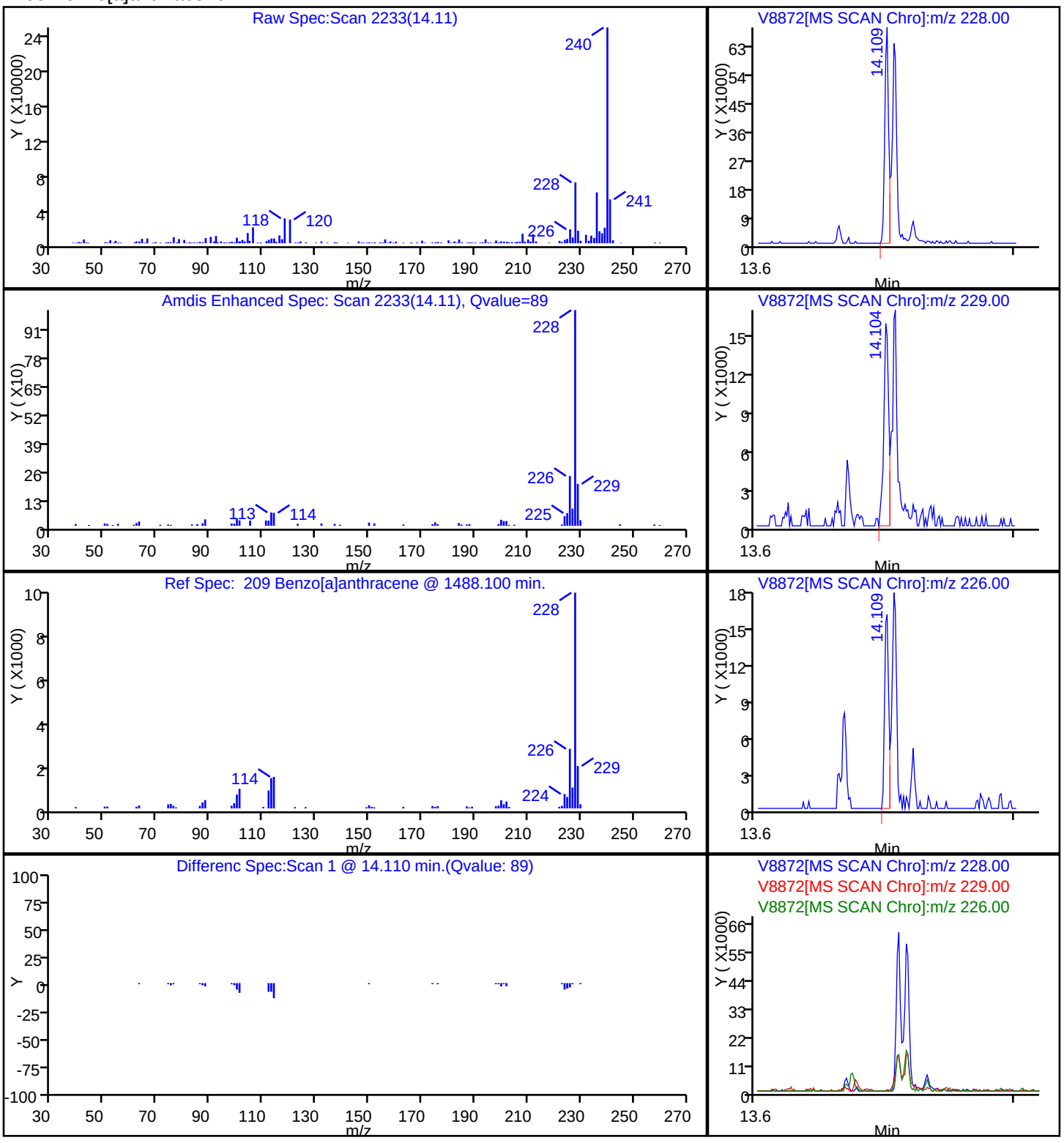


Report Date: 12-Apr-2012 11:04:36 Chrom Revision: 2.0 20-Feb-2012 13:27:02

Data File: \\Bufchrom\ChromData\HP5973V\20120411-10911.b\V8872.D

Injection Date:	12-Apr-2012 01:30:30	Limit Group:	MB - 8270C ICAL
Client ID:	RB-01 (12-24")	Instrument ID:	HP5973V
Lims Batch ID:	59155	Lims Sample ID:	14
Operator ID:	HL	Injection Vol:	1.00 ul
Column Type:	RXI-5Sil MS	Column Dia:	0.25 mm

209 Benzo[a]anthracene

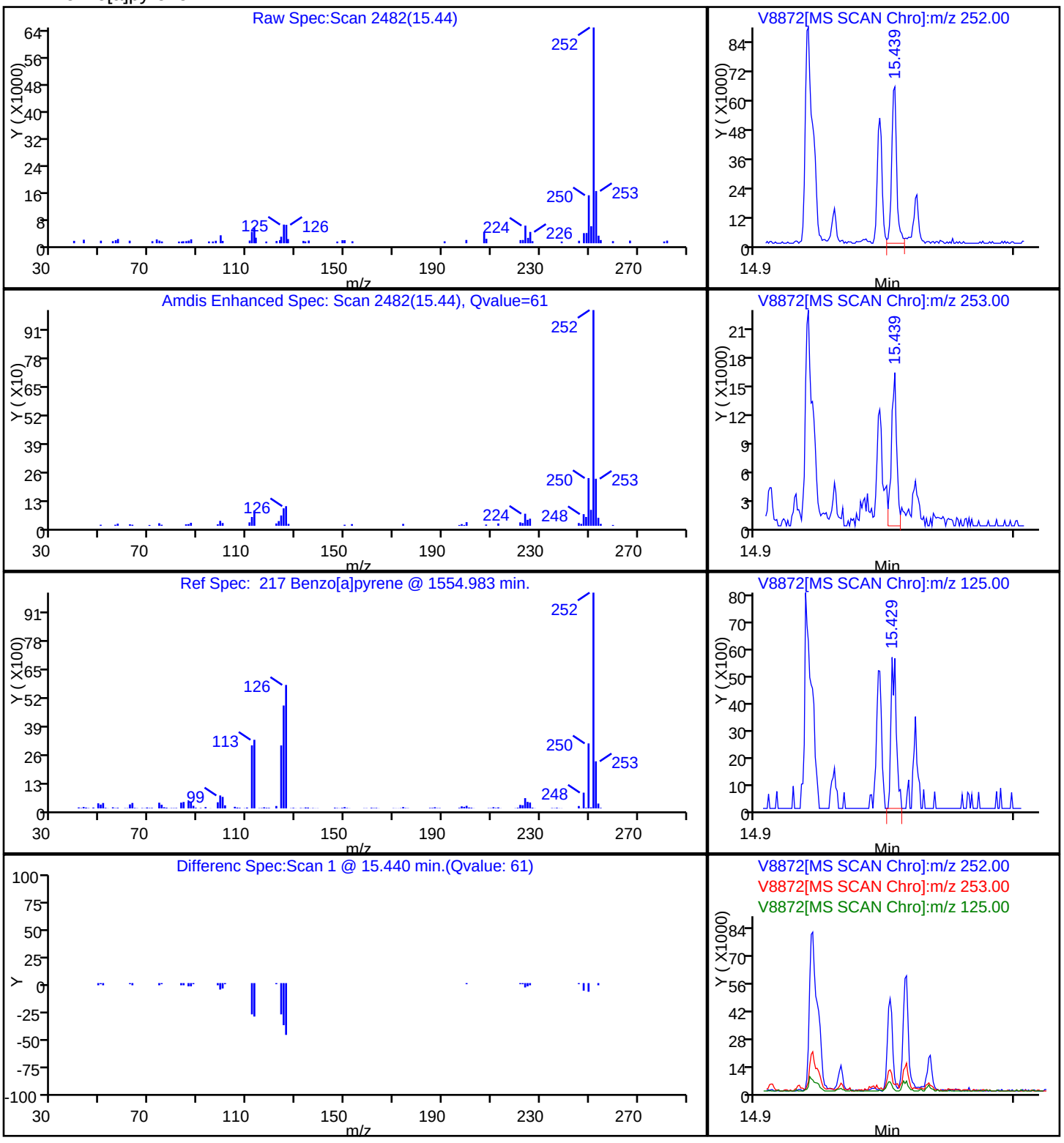


Report Date: 12-Apr-2012 11:04:36 Chrom Revision: 2.0 20-Feb-2012 13:27:02

Data File: \\Bufchrom\ChromData\HP5973V\20120411-10911.b\V8872.D

Injection Date:	12-Apr-2012 01:30:30	Limit Group:	MB - 8270C ICAL
Client ID:	RB-01 (12-24")	Instrument ID:	HP5973V
Lims Batch ID:	59155	Lims Sample ID:	14
Operator ID:	HL	Injection Vol:	1.00 ul
Column Type:	RXI-5Sil MS	Column Dia:	0.25 mm

217 Benzo[a]pyrene

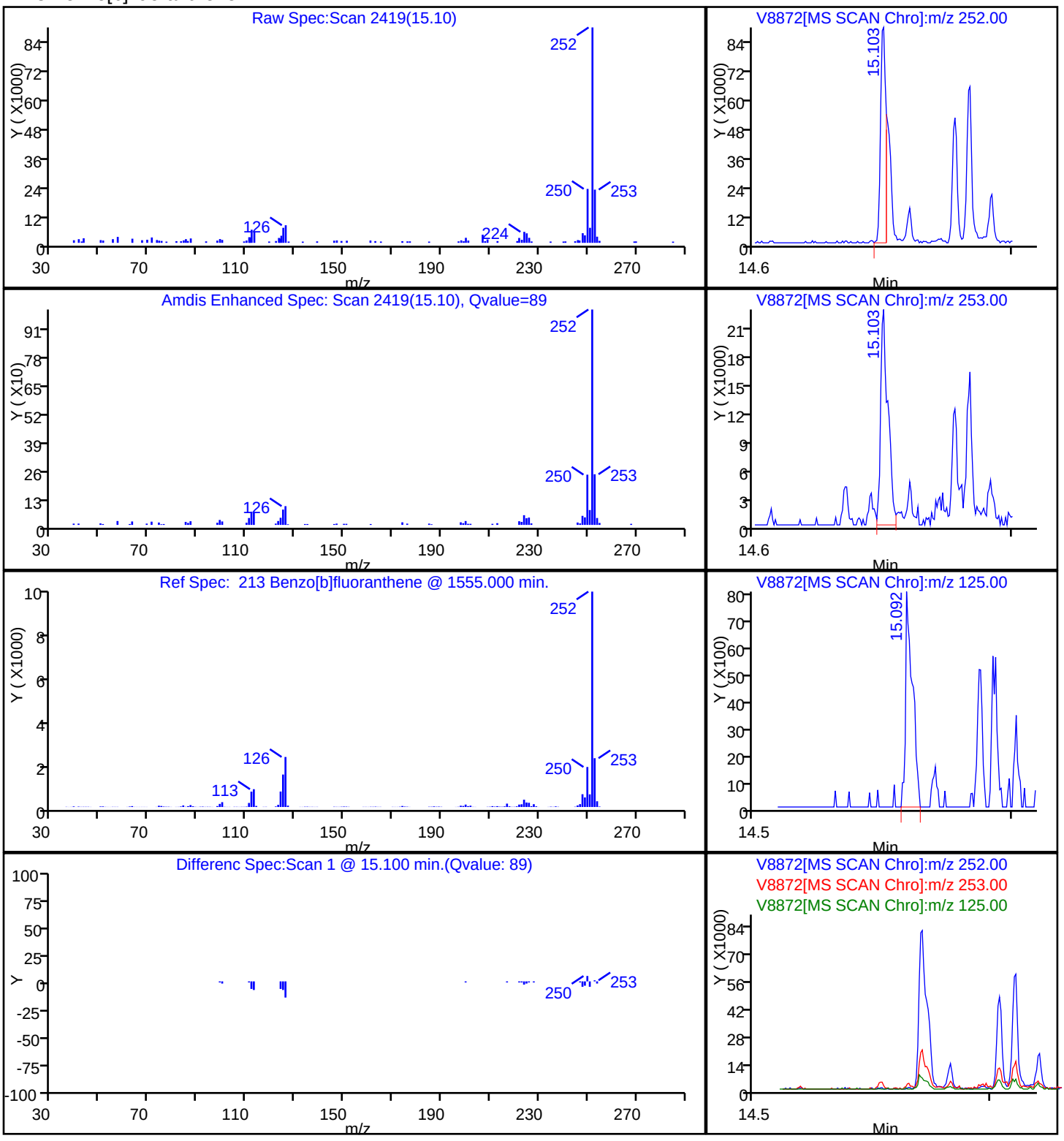


Report Date: 12-Apr-2012 11:04:36 Chrom Revision: 2.0 20-Feb-2012 13:27:02

Data File: \\Bufchrom\ChromData\HP5973V\20120411-10911.b\V8872.D

Injection Date:	12-Apr-2012 01:30:30	Limit Group:	MB - 8270C ICAL
Client ID:	RB-01 (12-24")	Instrument ID:	HP5973V
Lims Batch ID:	59155	Lims Sample ID:	14
Operator ID:	HL	Injection Vol:	1.00 ul
Column Type:	RXI-5Sil MS	Column Dia:	0.25 mm

213 Benzo[b]fluoranthene

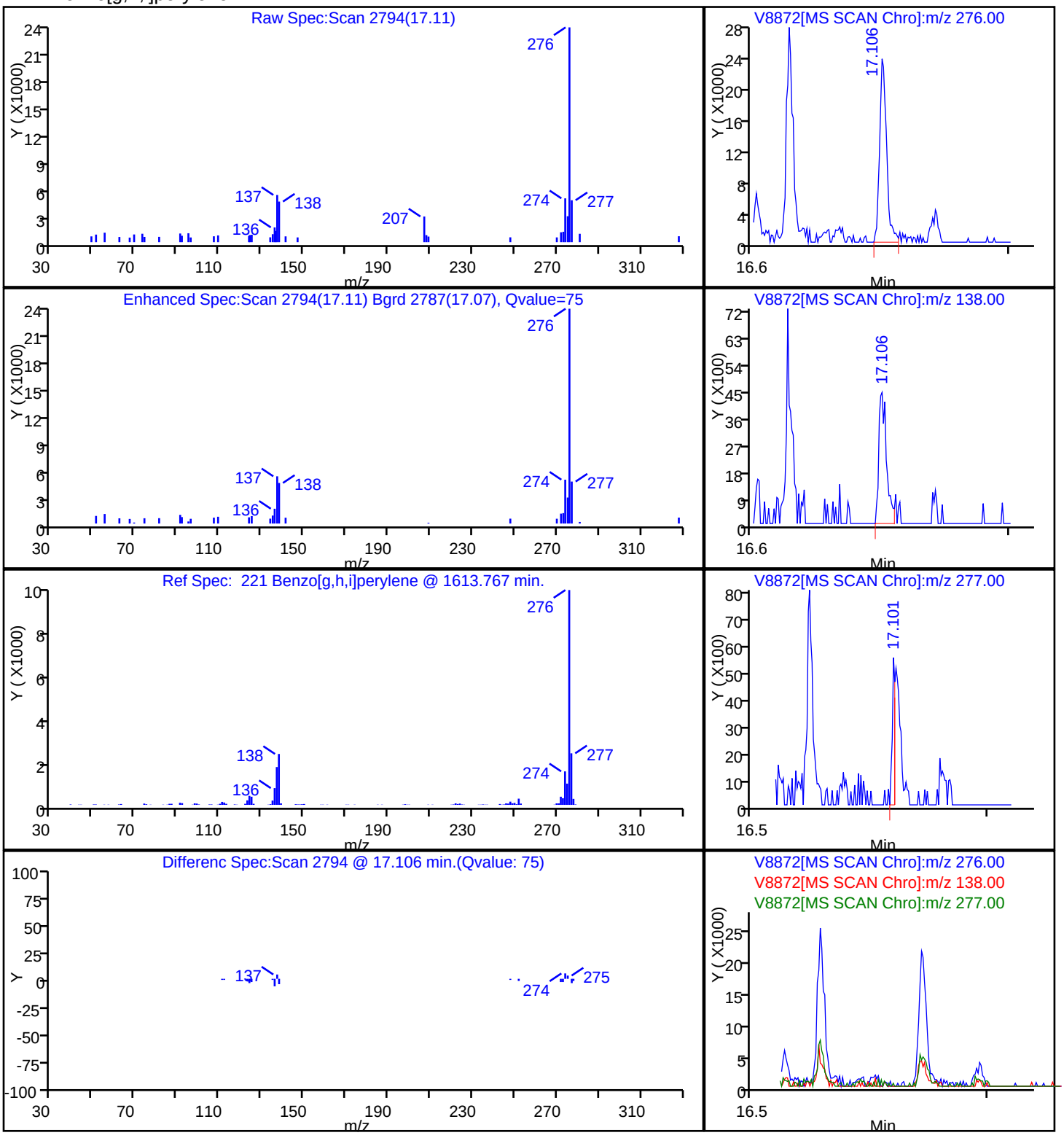


Report Date: 12-Apr-2012 11:04:36 Chrom Revision: 2.0 20-Feb-2012 13:27:02

Data File: \\Bufchrom\ChromData\HP5973V\20120411-10911.b\V8872.D

Injection Date:	12-Apr-2012 01:30:30	Limit Group:	MB - 8270C ICAL
Client ID:	RB-01 (12-24")	Instrument ID:	HP5973V
Lims Batch ID:	59155	Lims Sample ID:	14
Operator ID:	HL	Injection Vol:	1.00 ul
Column Type:	RXI-5Sil MS	Column Dia:	0.25 mm

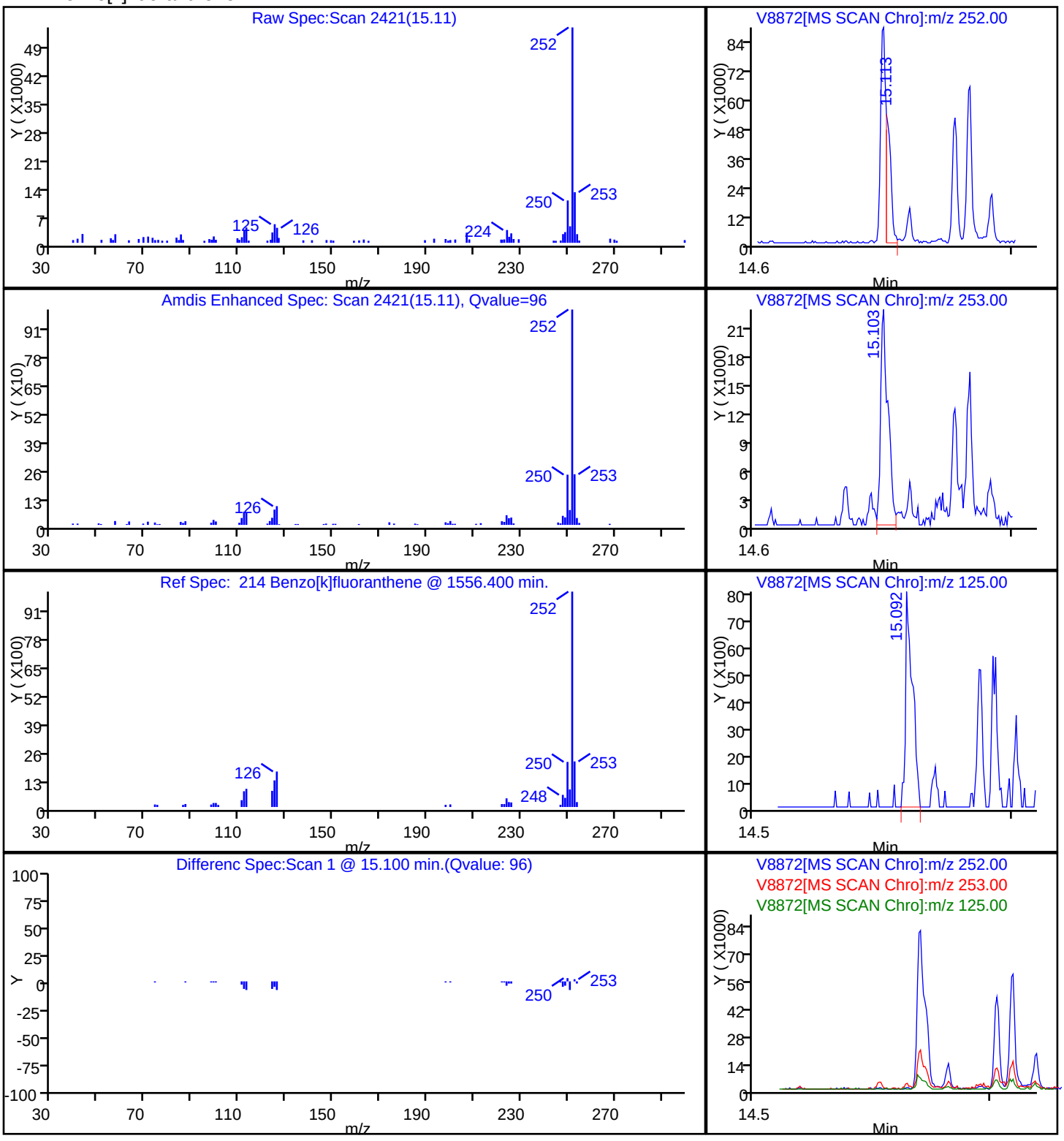
221 Benzo[g,h,i]perylene



Report Date: 12-Apr-2012 11:04:36 Chrom Revision: 2.0 20-Feb-2012 13:27:02

Data File:	\\Bufchrom\ChromData\HP5973V\20120411-10911.b\V8872.D		
Injection Date:	12-Apr-2012 01:30:30	Limit Group:	MB - 8270C ICAL
Client ID:	RB-01 (12-24")	Instrument ID:	HP5973V
Lims Batch ID:	59155	Lims Sample ID:	14
Operator ID:	HL	Injection Vol:	1.00 ul
Column Type:	RXI-5Sil MS	Column Dia:	0.25 mm

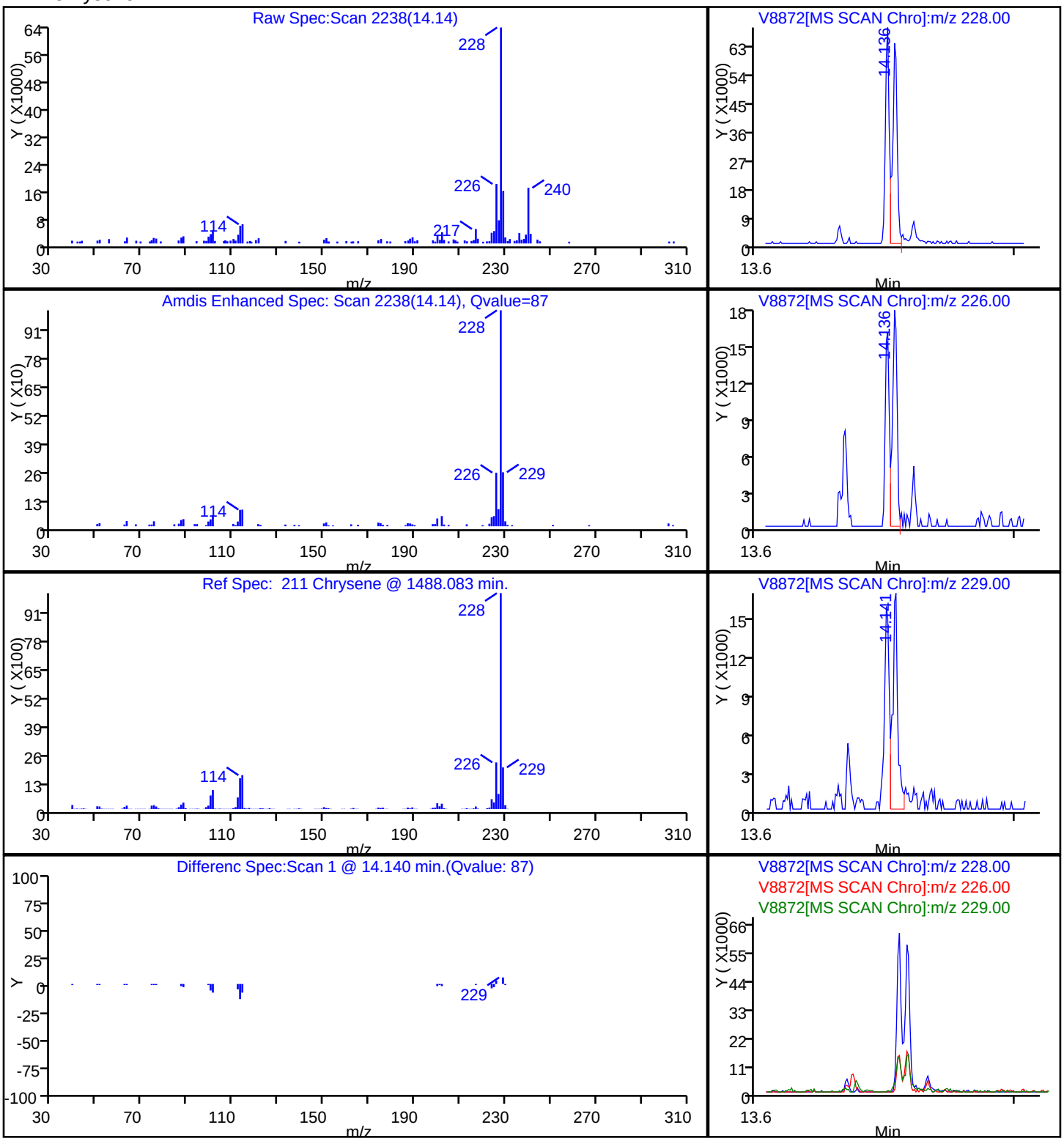
214 Benzo[k]fluoranthene



Report Date: 12-Apr-2012 11:04:36 Chrom Revision: 2.0 20-Feb-2012 13:27:02

Data File:	\\Bufchrom\ChromData\HP5973V\20120411-10911.b\V8872.D		
Injection Date:	12-Apr-2012 01:30:30	Limit Group:	MB - 8270C ICAL
Client ID:	RB-01 (12-24")	Instrument ID:	HP5973V
Lims Batch ID:	59155	Lims Sample ID:	14
Operator ID:	HL	Injection Vol:	1.00 ul
Column Type:	RXI-5Sil MS	Column Dia:	0.25 mm

211 Chrysene

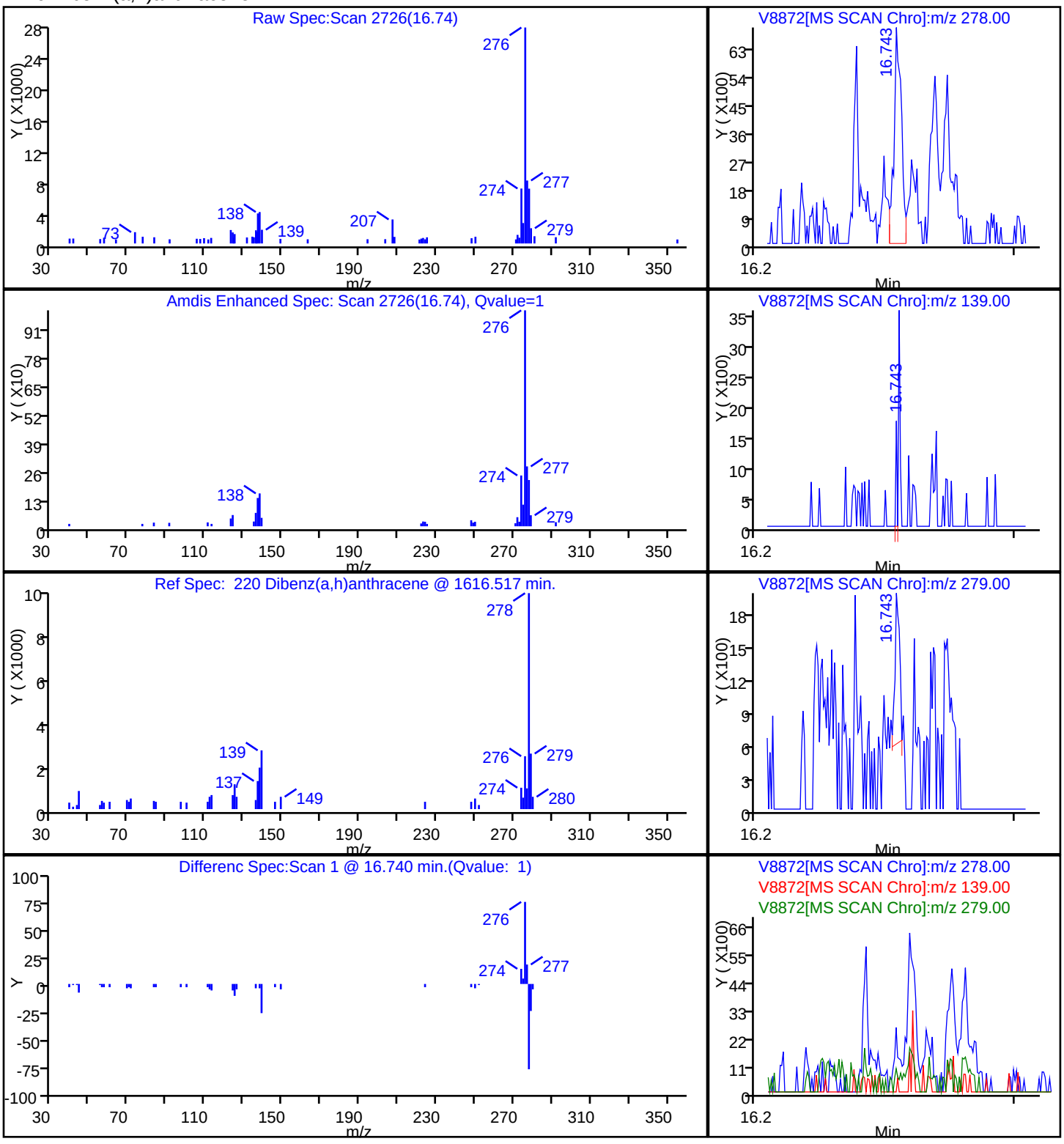


Report Date: 12-Apr-2012 11:04:36 Chrom Revision: 2.0 20-Feb-2012 13:27:02

Data File: \\Bufchrom\ChromData\HP5973V\20120411-10911.b\V8872.D

Injection Date:	12-Apr-2012 01:30:30	Limit Group:	MB - 8270C ICAL
Client ID:	RB-01 (12-24")	Instrument ID:	HP5973V
Lims Batch ID:	59155	Lims Sample ID:	14
Operator ID:	HL	Injection Vol:	1.00 ul
Column Type:	RXI-5Sil MS	Column Dia:	0.25 mm

220 Dibenz(a,h)anthracene

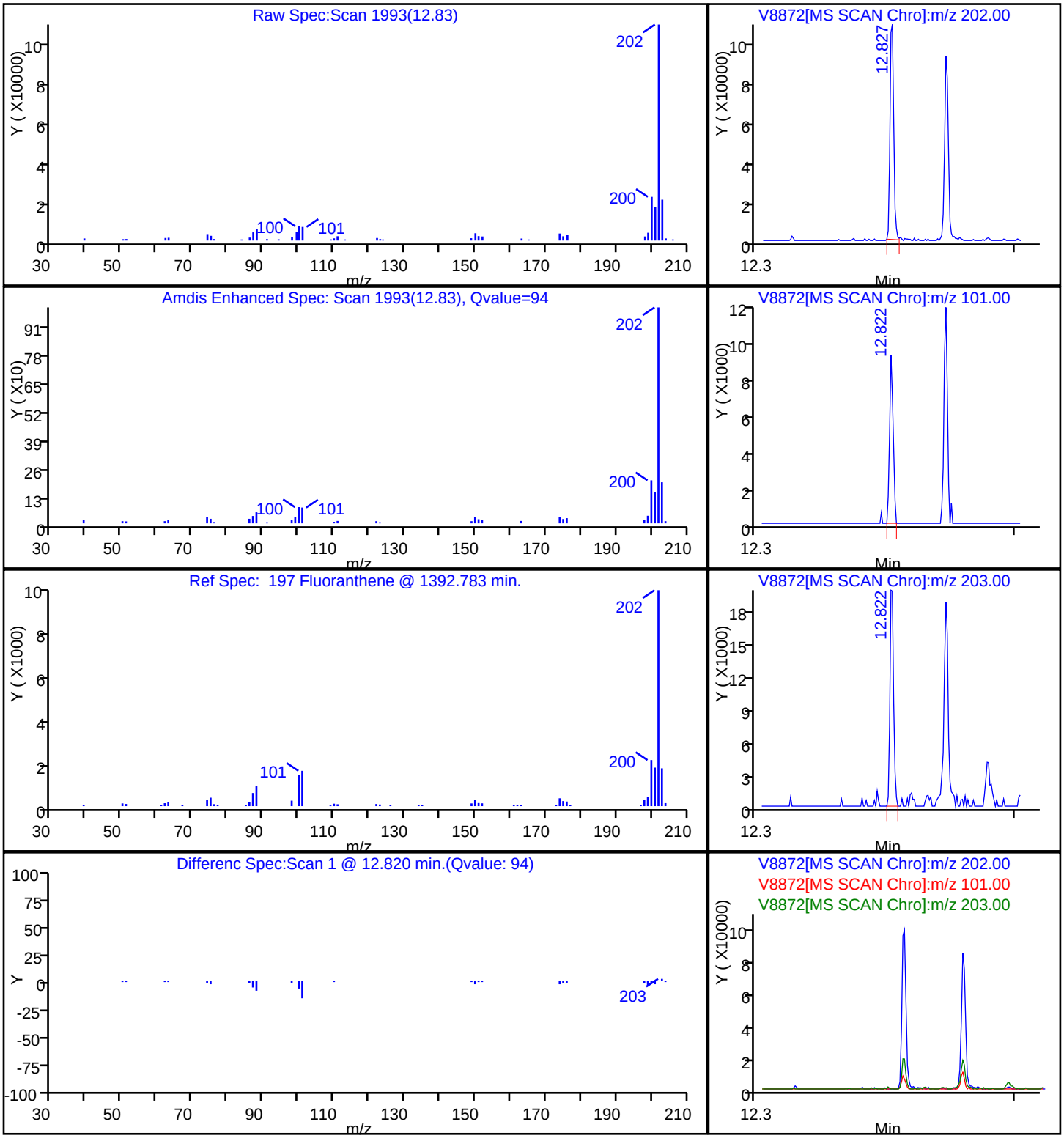


Report Date: 12-Apr-2012 11:04:36 Chrom Revision: 2.0 20-Feb-2012 13:27:02

Data File: \\Bufchrom\ChromData\HP5973V\20120411-10911.b\V8872.D

Injection Date:	12-Apr-2012 01:30:30	Limit Group:	MB - 8270C ICAL
Client ID:	RB-01 (12-24")	Instrument ID:	HP5973V
Lims Batch ID:	59155	Lims Sample ID:	14
Operator ID:	HL	Injection Vol:	1.00 ul
Column Type:	RXI-5Sil MS	Column Dia:	0.25 mm

197 Fluoranthene

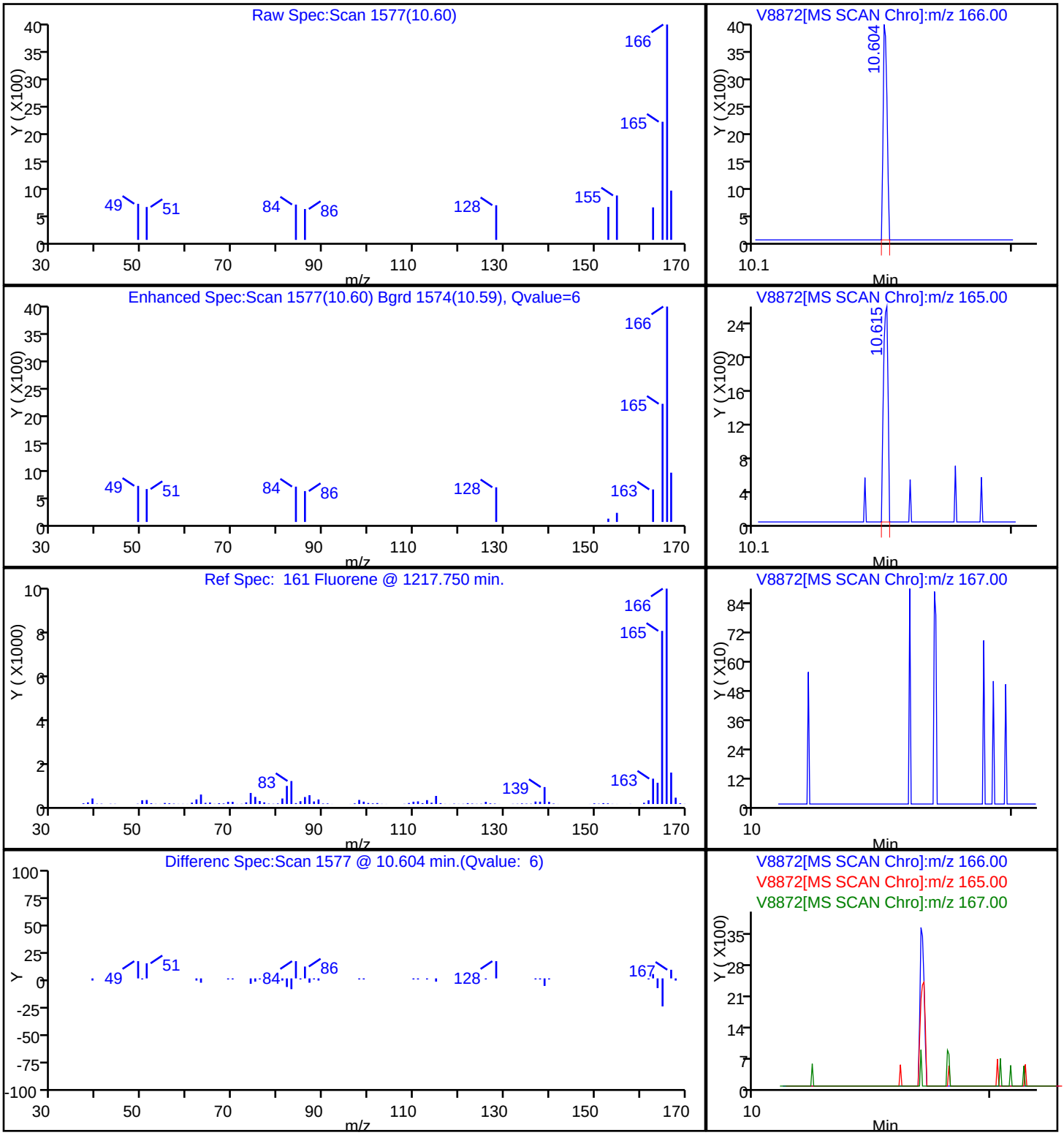


Report Date: 12-Apr-2012 11:04:35 Chrom Revision: 2.0 20-Feb-2012 13:27:02

Data File: \\Bufchrom\ChromData\HP5973V\20120411-10911.b\V8872.D

Injection Date:	12-Apr-2012 01:30:30	Limit Group:	MB - 8270C ICAL
Client ID:	RB-01 (12-24")	Instrument ID:	HP5973V
Lims Batch ID:	59155	Lims Sample ID:	14
Operator ID:	HL	Injection Vol:	1.00 ul
Column Type:	RXI-5Sil MS	Column Dia:	0.25 mm

161 Fluorene

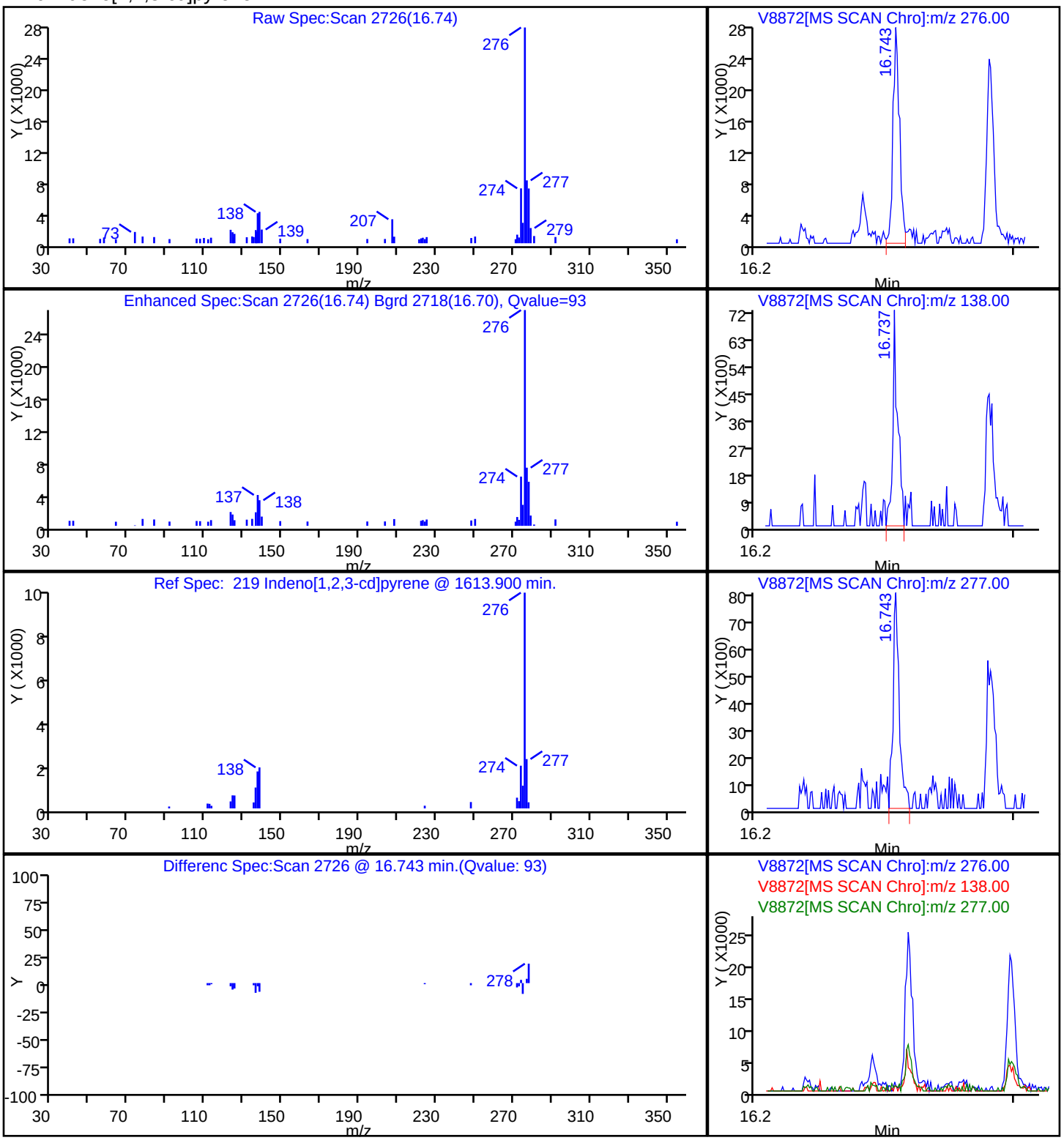


Report Date: 12-Apr-2012 11:04:36 Chrom Revision: 2.0 20-Feb-2012 13:27:02

Data File: \\Bufchrom\ChromData\HP5973V\20120411-10911.b\V8872.D

Injection Date:	12-Apr-2012 01:30:30	Limit Group:	MB - 8270C ICAL
Client ID:	RB-01 (12-24")	Instrument ID:	HP5973V
Lims Batch ID:	59155	Lims Sample ID:	14
Operator ID:	HL	Injection Vol:	1.00 ul
Column Type:	RXI-5Sil MS	Column Dia:	0.25 mm

219 Indeno[1,2,3-cd]pyrene

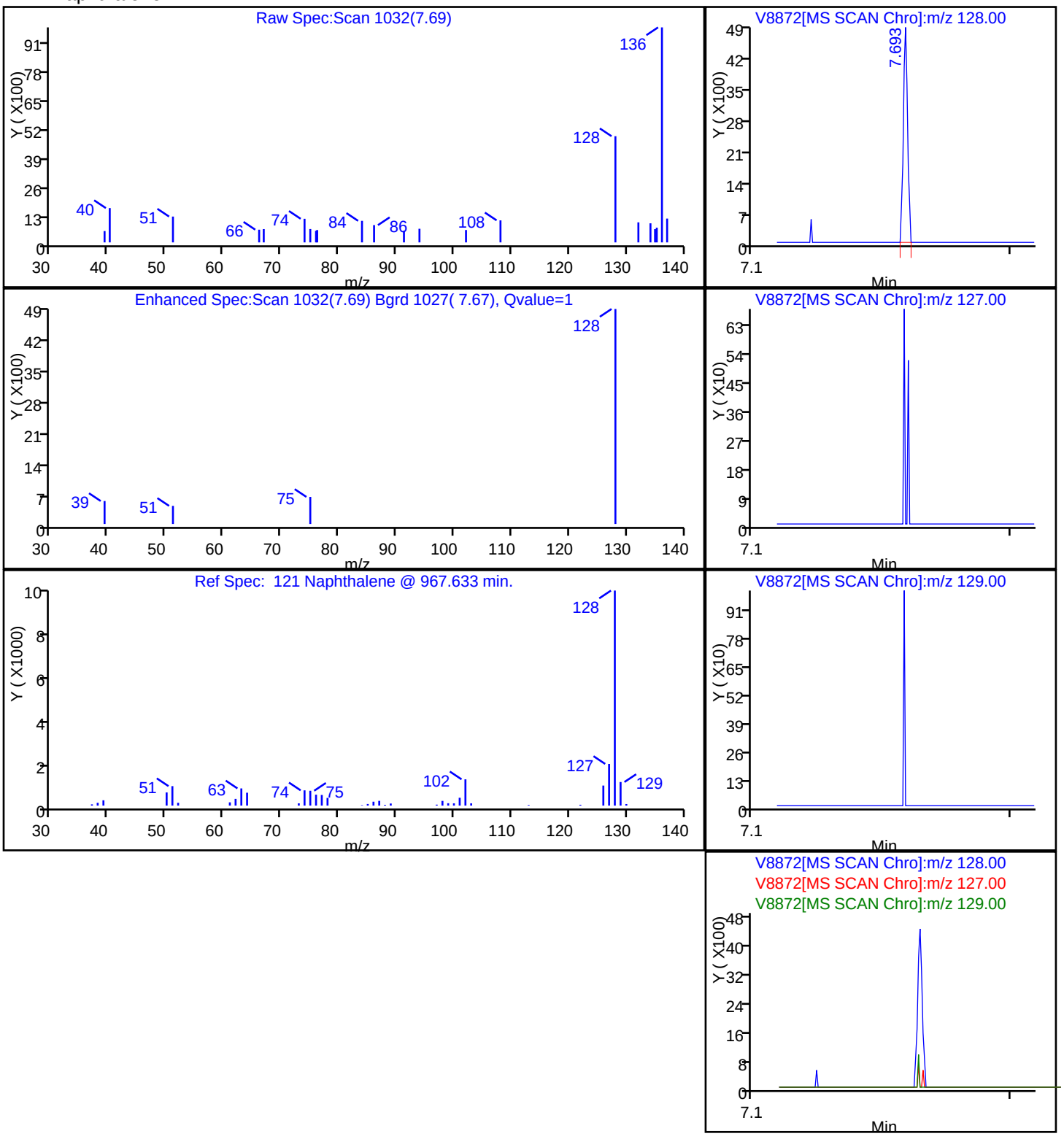


Report Date: 12-Apr-2012 11:04:35 Chrom Revision: 2.0 20-Feb-2012 13:27:02

Data File: \\Bufchrom\ChromData\HP5973V\20120411-10911.b\V8872.D

Injection Date:	12-Apr-2012 01:30:30	Limit Group:	MB - 8270C ICAL
Client ID:	RB-01 (12-24")	Instrument ID:	HP5973V
Lims Batch ID:	59155	Lims Sample ID:	14
Operator ID:	HL	Injection Vol:	1.00 ul
Column Type:	RXI-5Sil MS	Column Dia:	0.25 mm

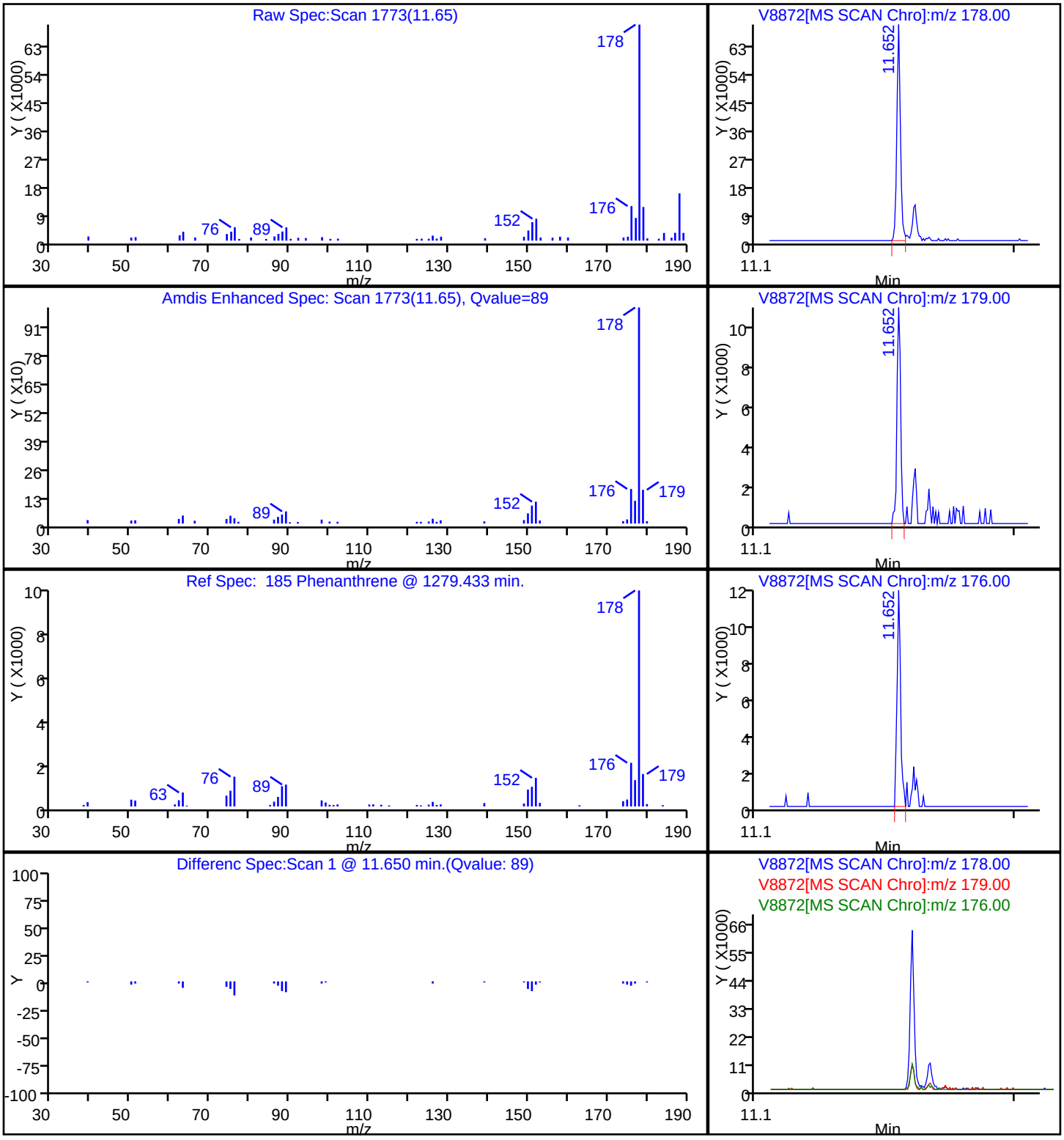
121 Naphthalene



Report Date: 12-Apr-2012 11:04:36 Chrom Revision: 2.0 20-Feb-2012 13:27:02

Data File:	\\Bufchrom\ChromData\HP5973V\20120411-10911.b\V8872.D		
Injection Date:	12-Apr-2012 01:30:30	Limit Group:	MB - 8270C ICAL
Client ID:	RB-01 (12-24")	Instrument ID:	HP5973V
Lims Batch ID:	59155	Lims Sample ID:	14
Operator ID:	HL	Injection Vol:	1.00 ul
Column Type:	RXI-5Sil MS	Column Dia:	0.25 mm

185 Phenanthrene

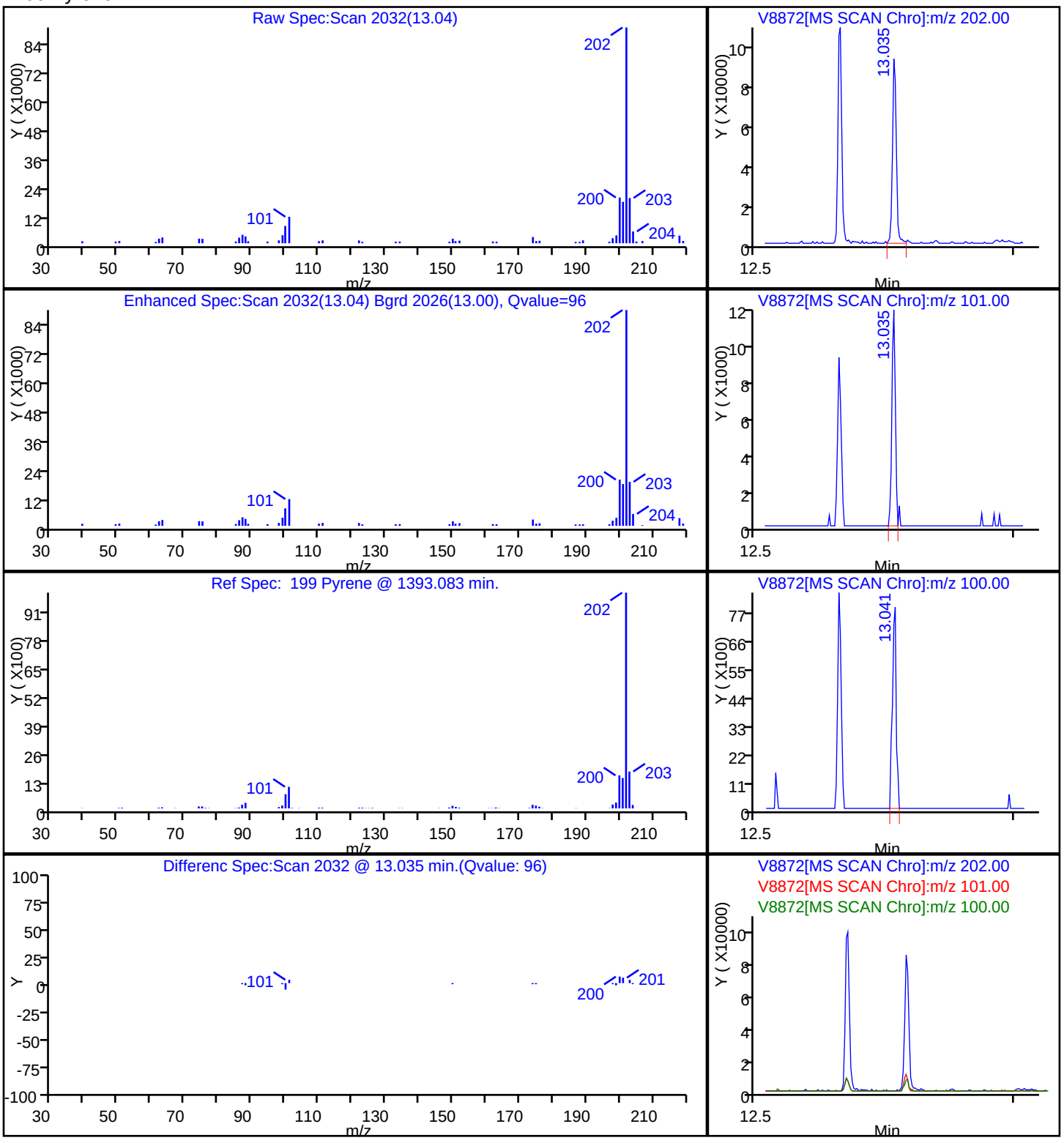


Report Date: 12-Apr-2012 11:04:36 Chrom Revision: 2.0 20-Feb-2012 13:27:02

Data File: \\Bufchrom\ChromData\HP5973V\20120411-10911.b\V8872.D

Injection Date:	12-Apr-2012 01:30:30	Limit Group:	MB - 8270C ICAL
Client ID:	RB-01 (12-24")	Instrument ID:	HP5973V
Lims Batch ID:	59155	Lims Sample ID:	14
Operator ID:	HL	Injection Vol:	1.00 ul
Column Type:	RXI-5Sil MS	Column Dia:	0.25 mm

199 Pyrene



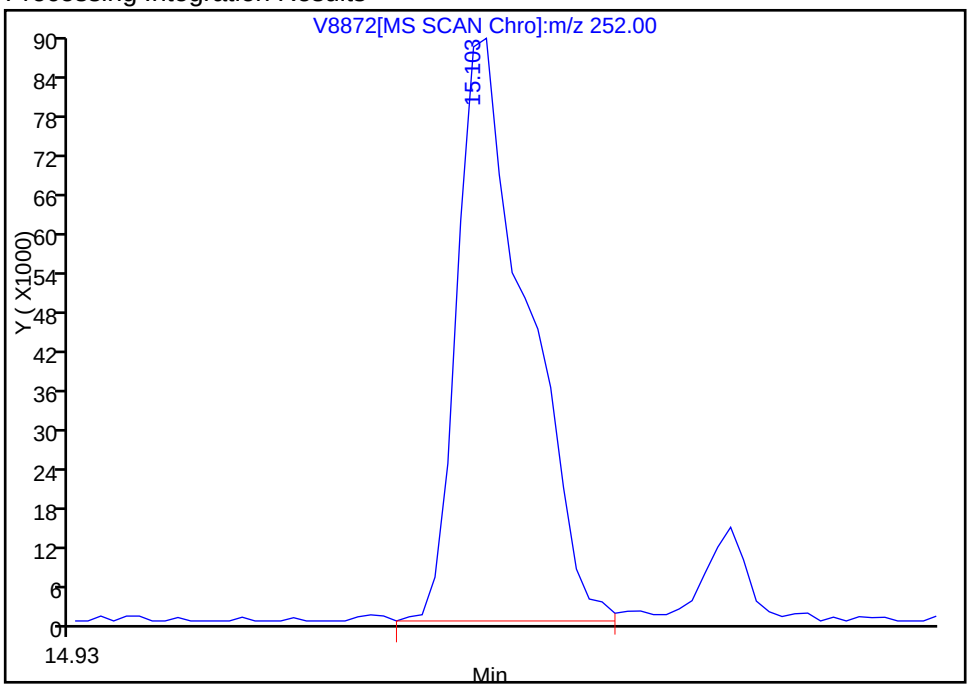
Manual Integration/User Assign Peak Report

Data File:	\\Bufchrom\ChromData\HP5973V\20120411-10911.b\V8872.D		
Injection Date:	12-Apr-2012 01:30:30	Limit Group:	MB - 8270C ICAL
Client ID:	RB-01 (12-24")	Instrument ID:	HP5973V
Lims Batch ID:	59155	Lims Sample ID:	14
Operator ID:	HL	Injection Vol:	1.00 ul
Column Type:	RXI-5Sil MS	Column Dia:	0.25 mm

213 Benzo[b]fluoranthene, Signal: 1, m/z: 252.0 Type: quant, RT: 15.10

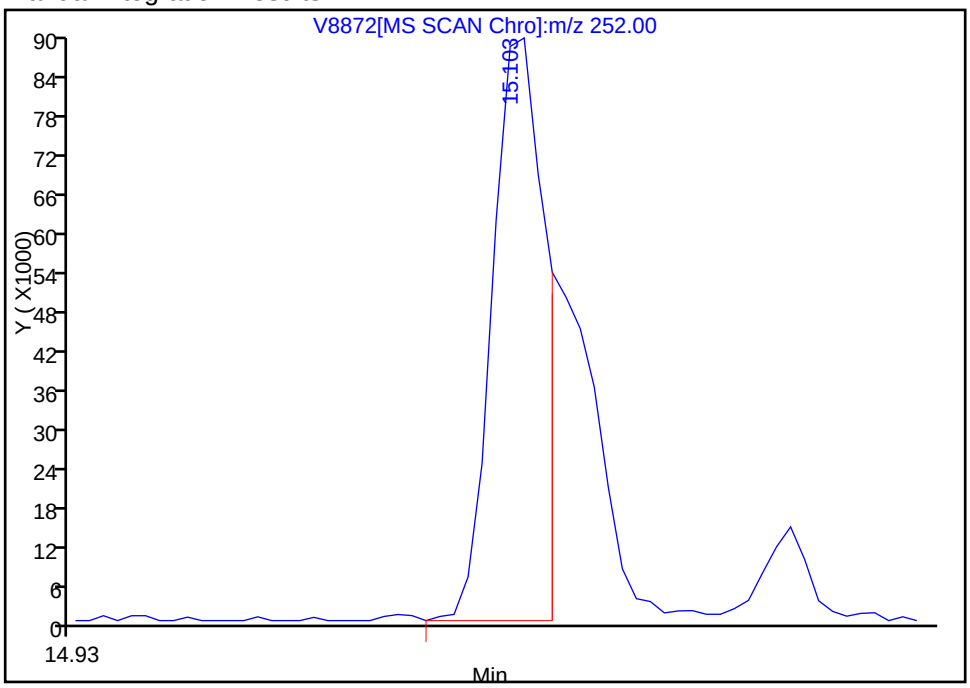
Processing Integration Results

RT: 15.10
Response: 179891
Amount: 10.994674



Manual Integration Results

RT: 15.10
Response: 126493
Amount: 7.731066



Reviewer: lyh, 12-Apr-2012 11:04:35
Audit Action: Split an Integrated Peak
Audit Reason: Coelution

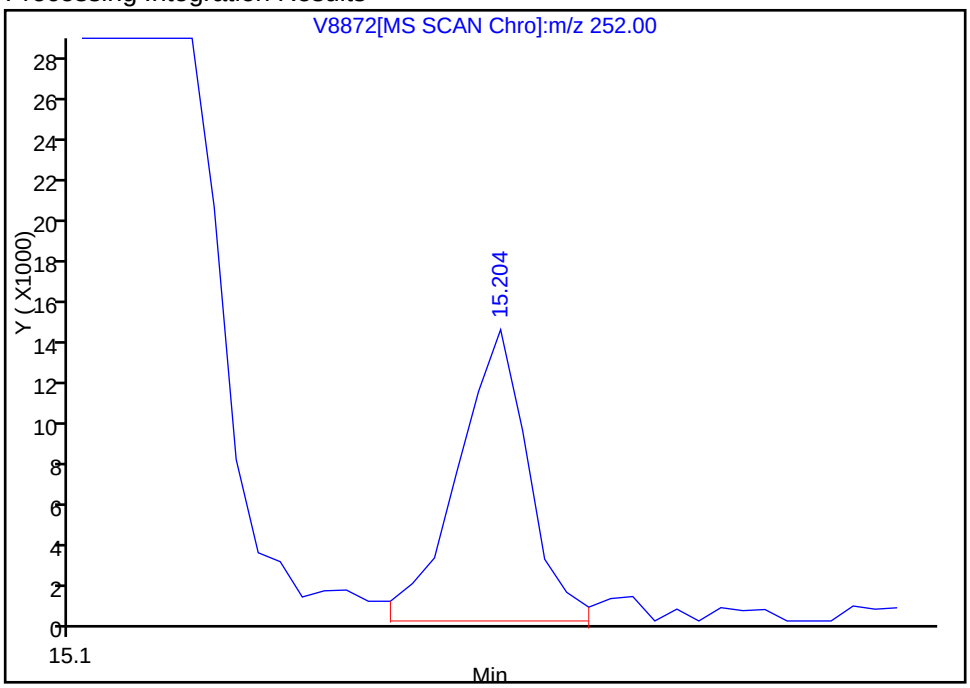
Manual Integration/User Assign Peak Report

Data File:	\\Bufchrom\ChromData\HP5973V\20120411-10911.b\V8872.D		
Injection Date:	12-Apr-2012 01:30:30	Limit Group:	MB - 8270C ICAL
Client ID:	RB-01 (12-24")	Instrument ID:	HP5973V
Lims Batch ID:	59155	Lims Sample ID:	14
Operator ID:	HL	Injection Vol:	1.00 ul
Column Type:	RXI-5Sil MS	Column Dia:	0.25 mm

214 Benzo[k]fluoranthene, Signal: 1, m/z: 252.0 Type: quant, RT: 15.13

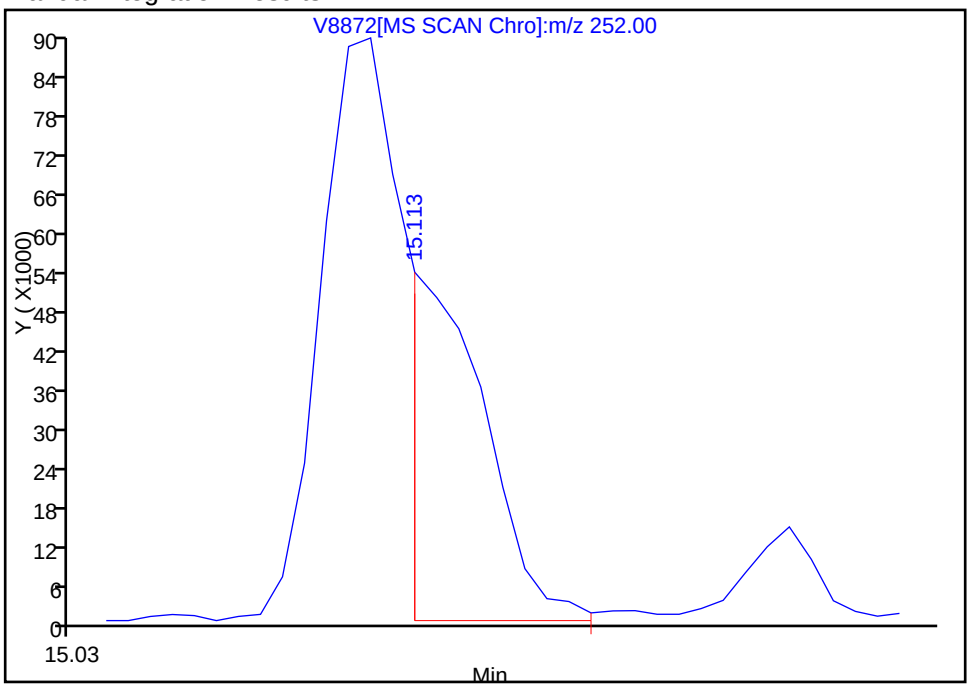
Processing Integration Results

RT: 15.20
Response: 17205
Amount: 0.916848



Manual Integration Results

RT: 15.11
Response: 70590
Amount: 3.761716

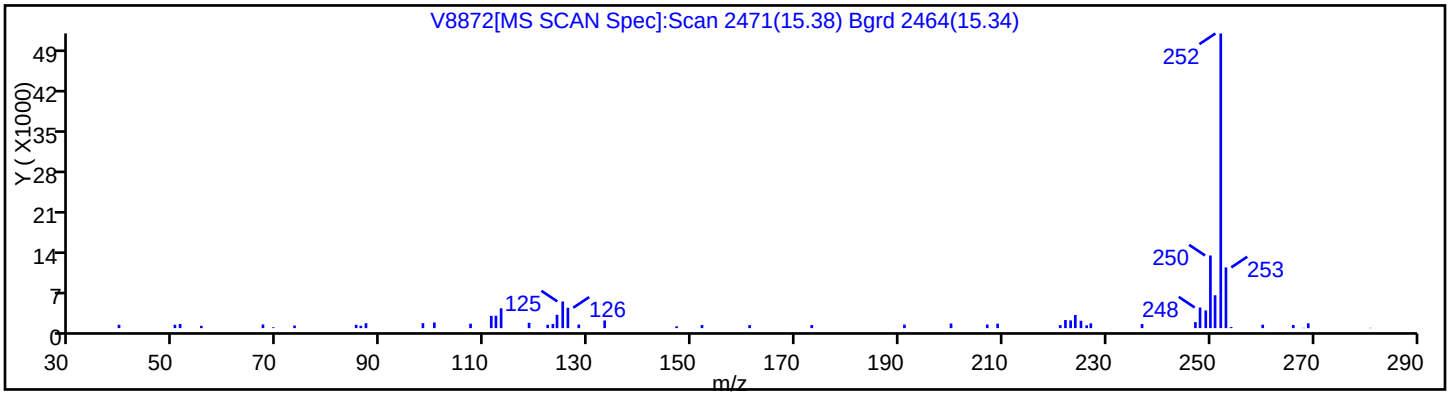


Reviewer: lyh, 12-Apr-2012 11:04:35
Audit Action: Split an Integrated Peak
Audit Reason: Coelution

Report Date: 12-Apr-2012 11:04:36 Chrom Revision: 2.0 20-Feb-2012 13:27:02

Data File:	\\Bufchrom\ChromData\HP5973V\20120411-10911.b\V8872.D		
Injection Date:	12-Apr-2012 01:30:30	Limit Group:	MB - 8270C ICAL
Client ID:	RB-01 (12-24")	Instrument ID:	HP5973V
Lims Batch ID:	59155	Lims Sample ID:	14
Operator ID:	HL	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.: 480-18292-1

SDG No.:

Client Sample ID: RB-02 (0-6") | Lab Sample ID: 480-18292-8

Matrix: Solid | Lab File ID: V8873.D

Analysis Method: 8270C | Date Collected: 04/05/2012 16:20

Extract. Method: 3550B | Date Extracted: 04/10/2012 07:39

Sample wt/vol: +30.62(g) | Date Analyzed: 04/12/2012 01:54

Con. Extract Vol.: 1(mL) | Dilution Factor: 20

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

% Moisture: 6.8 | GPC Cleanup:(Y/N) N

Analysis Batch No.: 59155 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
95-95-4	2,4,5-Trichlorophenol	ND		3600	770
88-06-2	2,4,6-Trichlorophenol	ND		3600	230
120-83-2	2,4-Dichlorophenol	ND		3600	190
105-67-9	2,4-Dimethylphenol	ND		3600	960
51-28-5	2,4-Dinitrophenol	ND		6900	1200
121-14-2	2,4-Dinitrotoluene	ND		3600	550
606-20-2	2,6-Dinitrotoluene	ND		3600	870
91-58-7	2-Chloronaphthalene	ND		3600	240
95-57-8	2-Chlorophenol	ND		3600	180
91-57-6	2-Methylnaphthalene	260	J	3600	43
95-48-7	2-Methylphenol	ND		3600	110
88-74-4	2-Nitroaniline	ND		6900	1100
88-75-5	2-Nitrophenol	ND		3600	160
91-94-1	3,3'-Dichlorobenzidine	ND		3600	3100
99-09-2	3-Nitroaniline	ND		6900	820
534-52-1	4,6-Dinitro-2-methylphenol	ND		6900	1200
101-55-3	4-Bromophenyl phenyl ether	ND		3600	1100
59-50-7	4-Chloro-3-methylphenol	ND		3600	150
106-47-8	4-Chloroaniline	ND		3600	1000
7005-72-3	4-Chlorophenyl phenyl ether	ND		3600	76
106-44-5	4-Methylphenol	ND		6900	200
100-01-6	4-Nitroaniline	ND		6900	400
100-02-7	4-Nitrophenol	ND		6900	860
83-32-9	Acenaphthene	ND		3600	42
208-96-8	Acenaphthylene	ND		3600	29
98-86-2	Acetophenone	ND		3600	180
120-12-7	Anthracene	ND		3600	91
1912-24-9	Atrazine	ND		3600	160
100-52-7	Benzaldehyde	ND		3600	390
56-55-3	Benzo(a)anthracene	2400	J	3600	61
50-32-8	Benzo(a)pyrene	3500	J	3600	86
205-99-2	Benzo(b)fluoranthene	6900		3600	69
191-24-2	Benzo(g,h,i)perylene	2400	J	3600	43
207-08-9	Benzo(k)fluoranthene	2200	J	3600	39

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Buffalo | Job No.: 480-18292-1

SDG No.:

Client Sample ID: RB-02 (0-6") | Lab Sample ID: 480-18292-8

Matrix: Solid | Lab File ID: V8873.D

Analysis Method: 8270C | Date Collected: 04/05/2012 16:20

Extract. Method: 3550B | Date Extracted: 04/10/2012 07:39

Sample wt/vol: +30.62(g) | Date Analyzed: 04/12/2012 01:54

Con. Extract Vol.: 1(mL) | Dilution Factor: 20

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

% Moisture: 6.8 | GPC Cleanup:(Y/N) N

Analysis Batch No.: 59155 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
92-52-4	Biphenyl	ND		3600	220
108-60-1	bis (2-chloroisopropyl) ether	ND		3600	370
111-91-1	Bis(2-chloroethoxy)methane	ND		3600	190
111-44-4	Bis(2-chloroethyl)ether	ND		3600	310
117-81-7	Bis(2-ethylhexyl) phthalate	ND		3600	1100
85-68-7	Butyl benzyl phthalate	ND		3600	950
105-60-2	Caprolactam	ND		3600	1500
86-74-8	Carbazole	ND		3600	41
218-01-9	Chrysene	3500	J	3600	35
53-70-3	Dibenz(a,h)anthracene	2700	J	3600	42
132-64-9	Dibenzofuran	ND		3600	37
84-66-2	Diethyl phthalate	ND		3600	110
131-11-3	Dimethyl phthalate	ND		3600	93
84-74-2	Di-n-butyl phthalate	ND		3600	1200
117-84-0	Di-n-octyl phthalate	ND		3600	83
206-44-0	Fluoranthene	2100	J	3600	51
86-73-7	Fluorene	ND		3600	82
118-74-1	Hexachlorobenzene	ND		3600	180
87-68-3	Hexachlorobutadiene	ND		3600	180
77-47-4	Hexachlorocyclopentadiene	ND		3600	1100
67-72-1	Hexachloroethane	ND		3600	270
193-39-5	Indeno(1,2,3-cd)pyrene	2100	J	3600	98
78-59-1	Isophorone	ND		3600	180
91-20-3	Naphthalene	170	J	3600	59
98-95-3	Nitrobenzene	ND		3600	160
621-64-7	N-Nitrosodi-n-propylamine	ND		3600	280
86-30-6	N-Nitrosodiphenylamine	ND		3600	190
87-86-5	Pentachlorophenol	ND		6900	1200
85-01-8	Phenanthrene	730	J	3600	74
108-95-2	Phenol	ND		3600	370
129-00-0	Pyrene	1900	J	3600	23

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Buffalo | Job No.: 480-18292-1

SDG No.:

Client Sample ID: RB-02 (0-6") | Lab Sample ID: 480-18292-8

Matrix: Solid | Lab File ID: V8873.D

Analysis Method: 8270C | Date Collected: 04/05/2012 16:20

Extract. Method: 3550B | Date Extracted: 04/10/2012 07:39

Sample wt/vol: +30.62(g) | Date Analyzed: 04/12/2012 01:54

Con. Extract Vol.: 1(mL) | Dilution Factor: 20

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

% Moisture: 6.8 | GPC Cleanup:(Y/N) N

Analysis Batch No.: 59155 | Units: ug/Kg

CAS NO.	SURROGATE	%REC	Q	LIMITS
118-79-6	2,4,6-Tribromophenol	56		39-146
321-60-8	2-Fluorobiphenyl	83		37-120
367-12-4	2-Fluorophenol	66		18-120
4165-60-0	Nitrobenzene-d5	75		34-132
4165-62-2	Phenol-d5	64		11-120
1718-51-0	p-Terphenyl-d14	90		65-153

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

Lab Name: TestAmerica Buffalo | Job No.: 480-18292-1

SDG No.:

Client Sample ID: RB-02 (0-6") | Lab Sample ID: 480-18292-8

Matrix: Solid | Lab File ID: V8873.D

Analysis Method: 8270C | Date Collected: 04/05/2012 16:20

Extract. Method: 3550B | Date Extracted: 04/10/2012 07:39

Sample wt/vol: +30.62(g) | Date Analyzed: 04/12/2012 01:54

Con. Extract Vol.: 1(mL) | Dilution Factor: 20

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

% Moisture: 6.8 | GPC Cleanup:(Y/N) N

Analysis Batch No.: 59155 | Units: ug/Kg

Number TICs Found: 1 | TIC Result Total: 4000

CAS NO.	COMPOUND NAME	RT	RESULT	Q
192-97-2	Benzo[e]pyrene	15.38	4000	T J N

TestAmerica Laboratories
Target Compound Quantitation Report

Data File:	\\Bufchrom\ChromData\HP5973V\20120411-10911.b\V8873.D		
Lims ID:	480-18292-B-8-A	Client ID:	RB-02 (0-6")
Inject. Date:	12-Apr-2012 01:54:30	Dil. Factor:	20.0000
Sample Type:	Client		
Sample ID:	480-0010911-015		
Misc. Info.:	480-18292-B-8-A		
Operator:	HL	Instrument ID:	HP5973V
Vol. Injected:	1.0000	ALS Bottle#:	38
Lims Batch ID:	59155	Lims Sample ID:	15
Detector:	MS SCAN		
Method:	\\Bufchrom\ChromData\HP5973V\20120411-10911.b\V-8270.m		
Last Update:	12-Apr-2012 11:08:57	Calib Date:	09-Apr-2012 16:15:30
Quant Method:	Internal Standard	Quant By:	Initial Calibration
Last ICal File:	\\Bufchrom\ChromData\HP5973V\20120409-10827.b\V8763.D		
Limit Group:	MB - 8270C ICAL		
Integrator:	RTE	ID Type:	Deconvolution ID
Process Host:	CORP-CTX-19		
First Level Reviewer: lyh		Date:	12-Apr-2012 11:08:57

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ng/uL	Flags
* 1 1,4-Dichlorobenzene-d4	152	6.010	6.005	0.005	97	115983	40.0	
* 2 Naphthalene-d8	136	7.666	7.661	0.005	99	458330	40.0	
* 3 Acenaphthene-d10	164	9.926	9.926	0.0	91	280569	40.0	
* 4 Phenanthrene-d10	188	11.625	11.625	0.0	97	496833	40.0	
* 5 Chrysene-d12	240	14.114	14.120	-0.006	94	533323	40.0	
* 6 Perylene-d12	264	15.498	15.498	0.0	99	560708	40.0	
$ 9 2-Fluorophenol	112	4.333	4.317	0.016	58	19786	4.96	
$ 10 Phenol-d5	99	5.545	5.535	0.010	52	25417	4.80	
$ 11 Nitrobenzene-d5	82	6.742	6.737	0.005	45	18186	3.74	
$ 12 2-Fluorobiphenyl	172	9.076	9.066	0.010	84	36685	4.16	
$ 13 2,4,6-Tribromophenol	330	10.893	10.877	0.016	1	4202	4.21	
$ 14 p-Terphenyl-d14	244	13.169	13.169	0.0	82	51925	4.48	
88 Benzaldehyde	77		5.444					
89 Phenol	94		5.551					
91 Bis(2-chloroethyl)ether	93		5.668					
93 2-Chlorophenol	128		5.732					
98 2-Methylphenol	108		6.341					
99 2,2'-oxybis[1-chloropropane]	45		6.368					
104 Acetophenone	105		6.539					
101 N-Nitrosodi-n-propylamine	70		6.544					
102 4-Methylphenol	108		6.550					
106 Hexachloroethane	117		6.662					
107 Nitrobenzene	77		6.758					
110 Isophorone	82		7.073					
111 2-Nitrophenol	139		7.175					
112 2,4-Dimethylphenol	107		7.244					
115 Bis(2-chloroethoxy)methane	93		7.362					
117 2,4-Dichlorophenol	162		7.490					
121 Naphthalene	128	7.687	7.693	-0.006	1	2814	0.2441	
123 4-Chloroaniline	127		7.778					
126 Hexachlorobutadiene	225		7.853					

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ng/uL	Flags
127 Caprolactam	113		8.222					
131 4-Chloro-3-methylphenol	107		8.414					
133 2-Methylnaphthalene	142	8.612	8.590	0.022	4	2894	0.3657	
136 Hexachlorocyclopentadiene	237		8.788					
139 2,4,6-Trichlorophenol	196		8.959					
140 2,4,5-Trichlorophenol	196		9.012					
144 1,1'-Biphenyl	154		9.194					
143 2-Chloronaphthalene	162		9.215					
145 2-Nitroaniline	65		9.370					
147 Dimethyl phthalate	163		9.605					
148 2,6-Dinitrotoluene	165		9.686					
149 Acenaphthylene	152		9.750					
150 3-Nitroaniline	138		9.910					
151 Acenaphthene	153		9.969					
152 2,4-Dinitrophenol	184		10.044					
153 4-Nitrophenol	109		10.150					
155 Dibenzofuran	168		10.182					
154 2,4-Dinitrotoluene	165		10.193					
160 Diethyl phthalate	149		10.482					
161 Fluorene	166		10.594					
162 4-Chlorophenyl phenyl ether	204		10.599					
164 4-Nitroaniline	138		10.653					
166 4,6-Dinitro-2-methylphenol	198		10.679					
167 N-Nitrosodiphenylamine	169		10.743					
176 4-Bromophenyl phenyl ether	248		11.149					
177 Hexachlorobenzene	284		11.213					
180 Atrazine	200		11.347					
181 Pentachlorophenol	266		11.433					
185 Phenanthrene	178	11.651	11.652	-0.001	19	13989	1.04	
188 Anthracene	178		11.705					
189 Carbazole	167		11.881					
192 Di-n-butyl phthalate	149		12.218					
197 Fluoranthene	202	12.827	12.827	0.0	89	43375	2.97	
199 Pyrene	202	13.040	13.041	-0.001	96	41888	2.67	
205 Butyl benzyl phthalate	149		13.596					
210 Bis(2-ethylhexyl) phthalate	149		14.077					
208 3,3'-Dichlorobenzidine	252		14.082					
209 Benzo[a]anthracene	228	14.109	14.109	0.0	86	50721	3.41	
211 Chrysene	228	14.141	14.146	-0.005	75	74595	4.93	
212 Di-n-octyl phthalate	149		14.643					
213 Benzo[b]fluoranthene	252	15.097	15.103	-0.006	89	157003	9.81	
214 Benzo[k]fluoranthene	252	15.119	15.135	-0.016	1	58482	3.19	M
217 Benzo[a]pyrene	252	15.434	15.439	-0.005	58	69536	4.97	
219 Indeno[1,2,3-cd]pyrene	276	16.743	16.759	-0.016	92	45902	3.06	
220 Dibenz(a,h)anthracene	278	16.748	16.764	-0.016	1	12298	3.80	
221 Benzo[g,h,i]perylene	276	17.106	17.122	-0.016	78	42099	3.38	

QC Flag Legend

Review Flags
M - Manually Integrated

TestAmerica Laboratories
Tentatively Identified Quantitation Report

Data File:	\\Bufchrom\ChromData\HP5973V\20120411-10911.b\V8873.D		
Lims ID:	480-18292-B-8-A	Client ID:	RB-02 (0-6")
Inject. Date:	12-Apr-2012 01:54:30	Dil. Factor:	20.0000
Sample Type:	Client		
Sample ID:	480-0010911-015		
Misc. Info.:	480-18292-B-8-A		
Operator:	HL	Instrument ID:	HP5973V
Vol. Injected:	1.0000	ALS Bottle#:	38
Lims Batch ID:	59155	Lims Sample ID:	15
Detector:	MS SCAN		
Method:	\\Bufchrom\ChromData\HP5973V\20120411-10911.b\V-8270.m		
Last Update:	12-Apr-2012 11:08:57	Calib Date:	09-Apr-2012 16:15:30
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: lyh		Date:	12-Apr-2012 11:08:57

Calibrated Tentative Identified Compound Results

Compound	RT	Response	Amount ng/uL	Flags
1-Methylnaphthalene (TIC)	8.612	2894	0.4126	

Tentative Identified Compound Results

RT	Response	Amount ng/uL	Quant Cpnd	Qual	Lib Entry	Flags
192-97-2	Benzo[e]pyrene					
15.380	220542	5.73	6	93	127650	

Quantitation Compounds

Compound	RT	Response	Amount ng/uL
* 6 Perylene-d12	15.498	1539211	40.0

QC Flag Legend

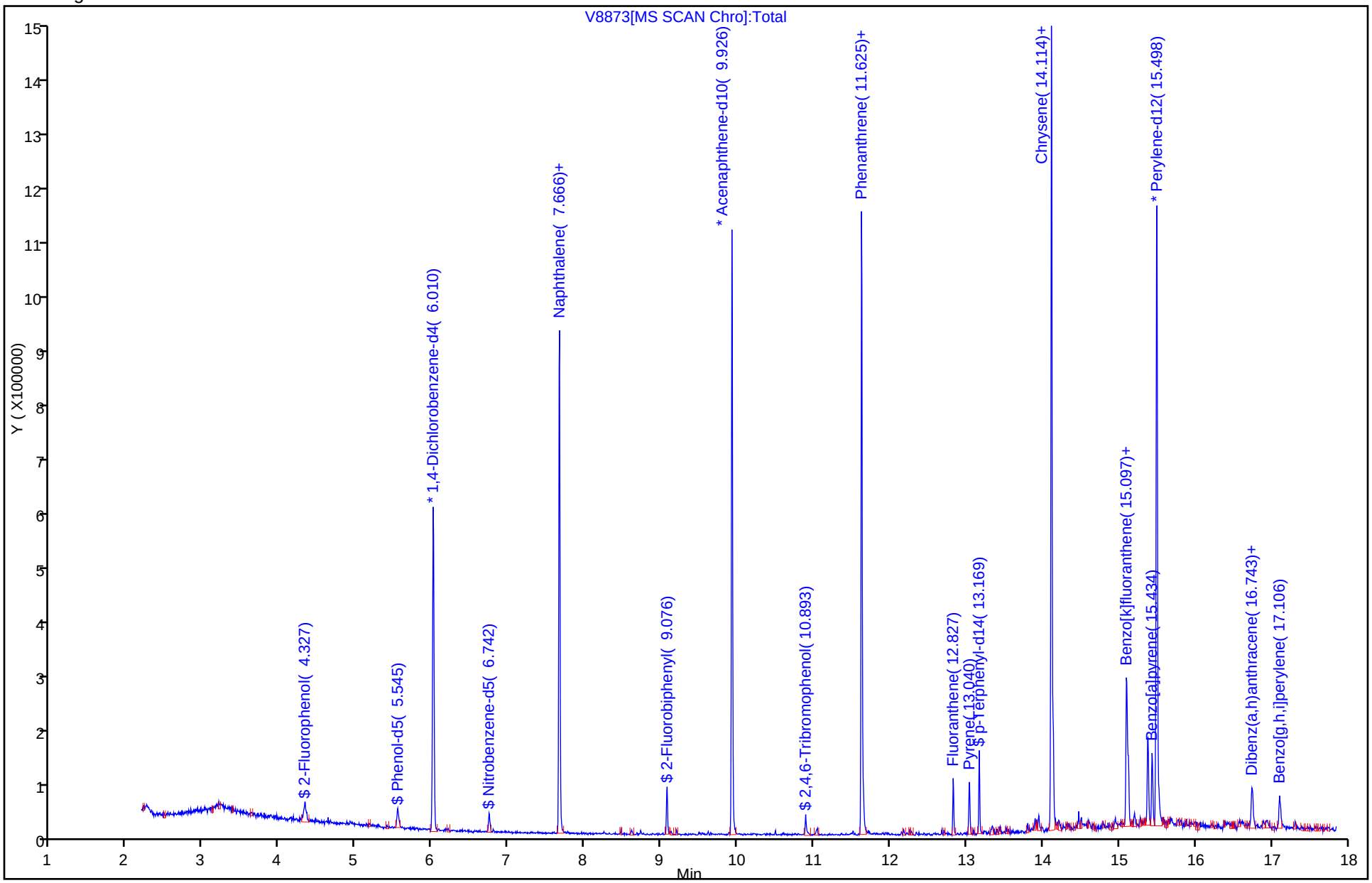
Processing Flags

Report Date: 12-Apr-2012 11:08:58 Chrom Revision: 2.0 20-Feb-2012 13:27:02

Data File: \\Bufchrom\ChromData\HP5973V\20120411-10911.b\V8873.D

Injection Date:	12-Apr-2012 01:54:30	Limit Group:	MB - 8270C ICAL
Client ID:	RB-02 (0-6")	Instrument ID:	HP5973V
Lims Batch ID:	59155	Lims Sample ID:	15
Operator ID:	HL	Injection Vol:	1.00 ul
Column Type:	RXI-5Sil MS	Column Dia:	0.25 mm

Y Scaling:

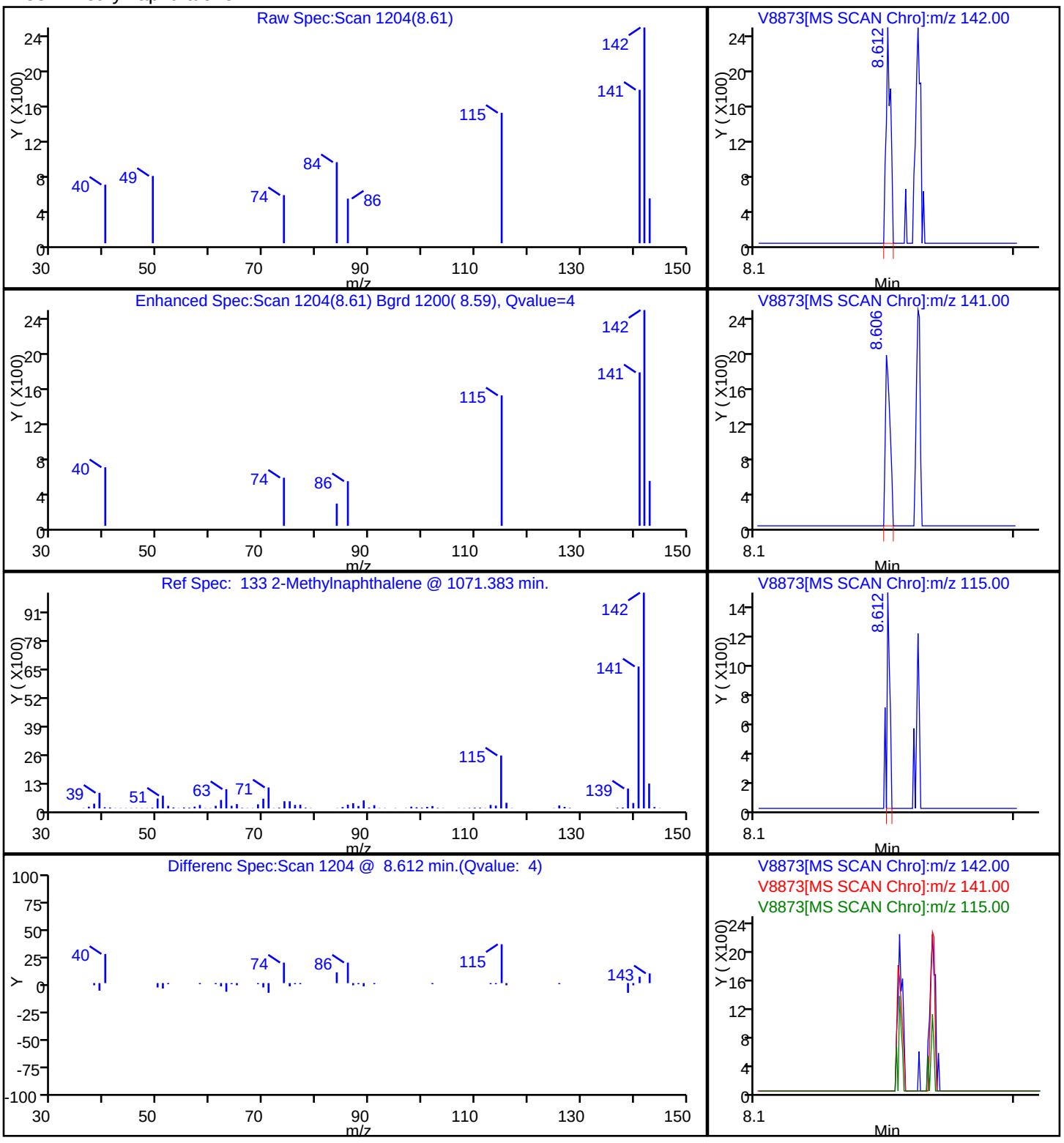


Report Date: 12-Apr-2012 11:08:58 Chrom Revision: 2.0 20-Feb-2012 13:27:02

Data File: \\Bufchrom\ChromData\HP5973V\20120411-10911.b\V8873.D

Injection Date:	12-Apr-2012 01:54:30	Limit Group:	MB - 8270C ICAL
Client ID:	RB-02 (0-6")	Instrument ID:	HP5973V
Lims Batch ID:	59155	Lims Sample ID:	15
Operator ID:	HL	Injection Vol:	1.00 ul
Column Type:	RXI-5Sil MS	Column Dia:	0.25 mm

133 2-Methylnaphthalene

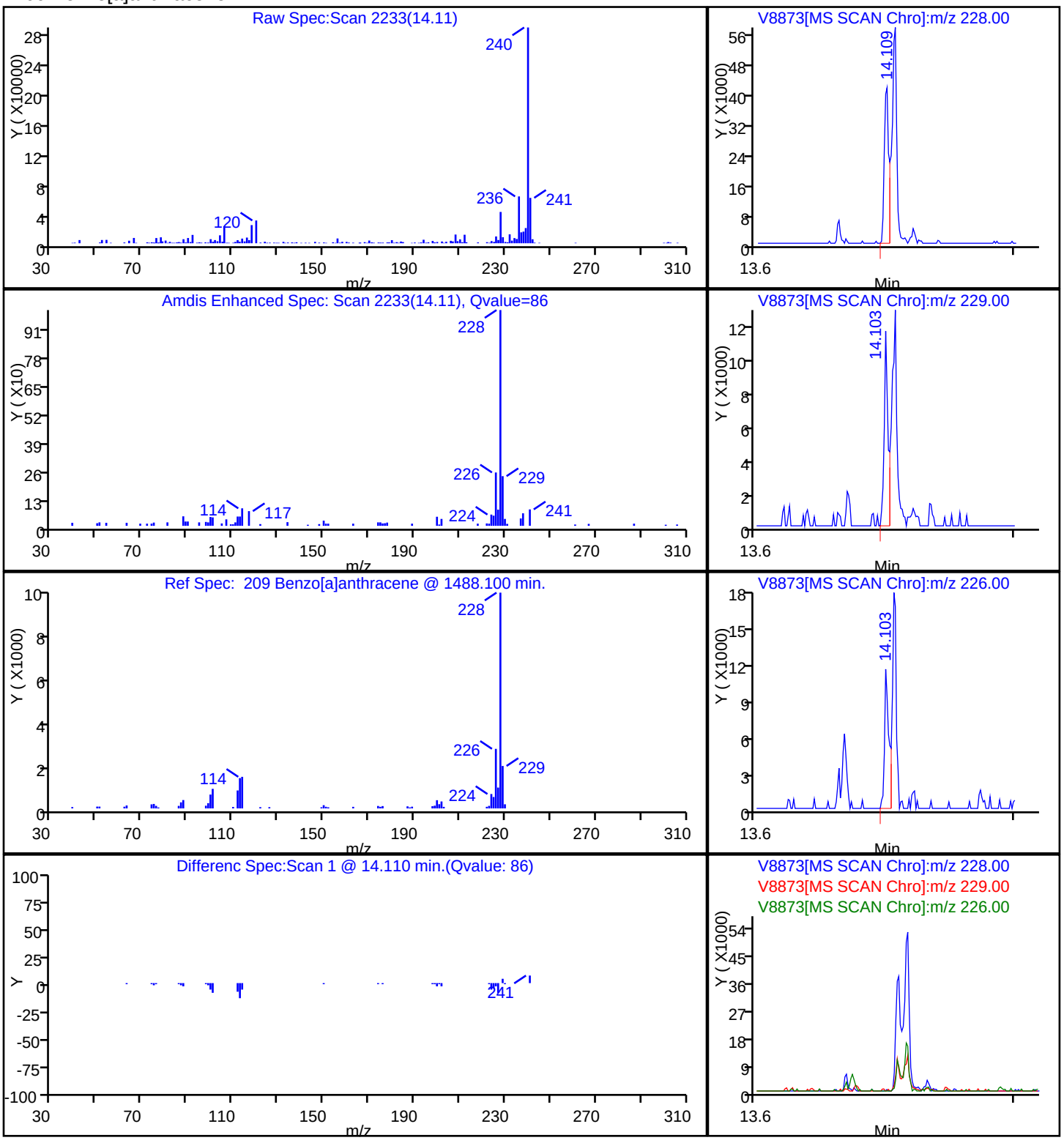


Report Date: 12-Apr-2012 11:08:58 Chrom Revision: 2.0 20-Feb-2012 13:27:02

Data File: \\Bufchrom\ChromData\HP5973V\20120411-10911.b\V8873.D

Injection Date:	12-Apr-2012 01:54:30	Limit Group:	MB - 8270C ICAL
Client ID:	RB-02 (0-6")	Instrument ID:	HP5973V
Lims Batch ID:	59155	Lims Sample ID:	15
Operator ID:	HL	Injection Vol:	1.00 ul
Column Type:	RXI-5Sil MS	Column Dia:	0.25 mm

209 Benzo[a]anthracene

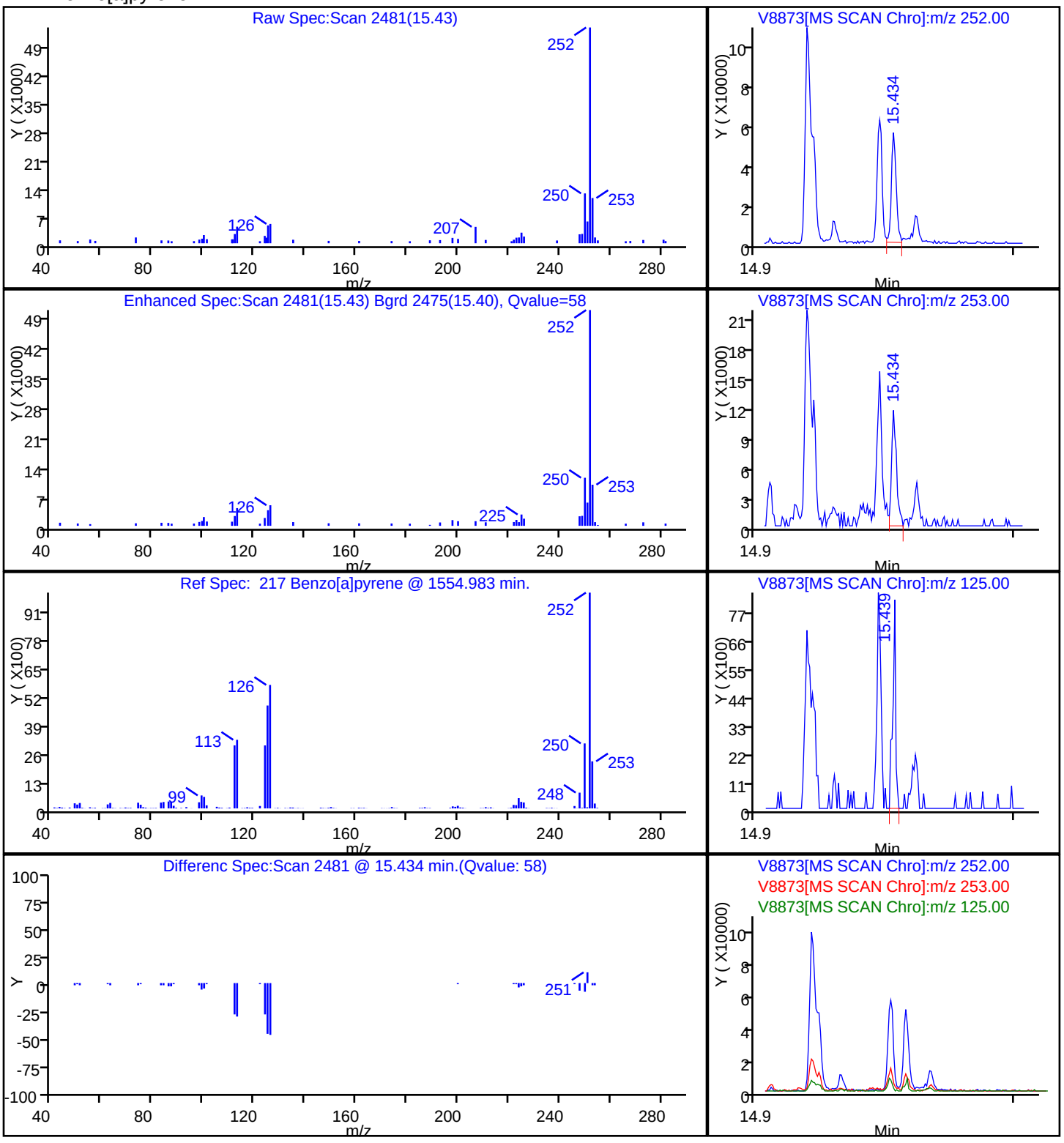


Report Date: 12-Apr-2012 11:08:58 Chrom Revision: 2.0 20-Feb-2012 13:27:02

Data File: \\Bufchrom\ChromData\HP5973V\20120411-10911.b\V8873.D

Injection Date:	12-Apr-2012 01:54:30	Limit Group:	MB - 8270C ICAL
Client ID:	RB-02 (0-6")	Instrument ID:	HP5973V
Lims Batch ID:	59155	Lims Sample ID:	15
Operator ID:	HL	Injection Vol:	1.00 ul
Column Type:	RXI-5Sil MS	Column Dia:	0.25 mm

217 Benzo[a]pyrene

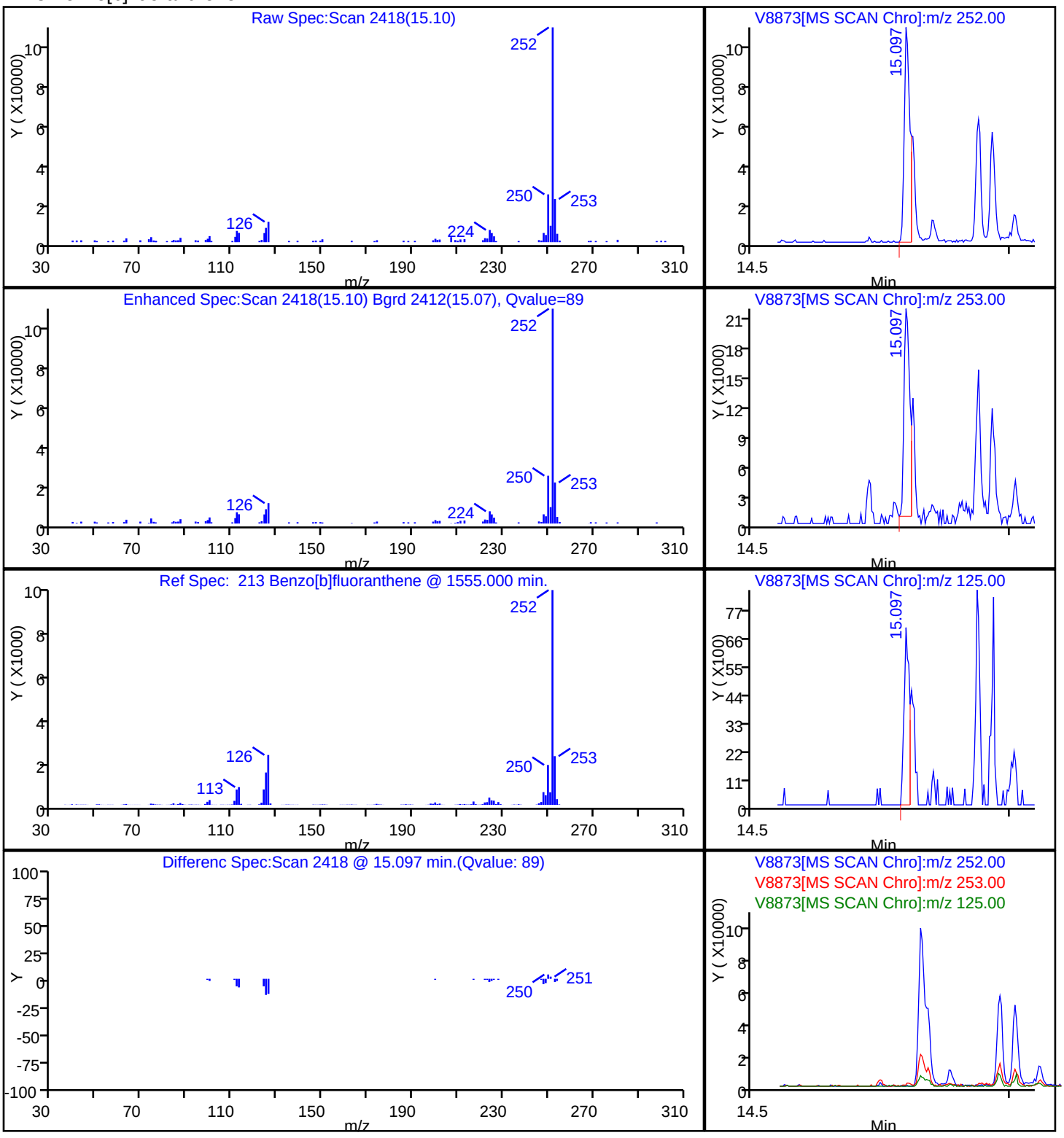


Report Date: 12-Apr-2012 11:08:58 Chrom Revision: 2.0 20-Feb-2012 13:27:02

Data File: \\Bufchrom\ChromData\HP5973V\20120411-10911.b\V8873.D

Injection Date:	12-Apr-2012 01:54:30	Limit Group:	MB - 8270C ICAL
Client ID:	RB-02 (0-6")	Instrument ID:	HP5973V
Lims Batch ID:	59155	Lims Sample ID:	15
Operator ID:	HL	Injection Vol:	1.00 ul
Column Type:	RXI-5Sil MS	Column Dia:	0.25 mm

213 Benzo[b]fluoranthene

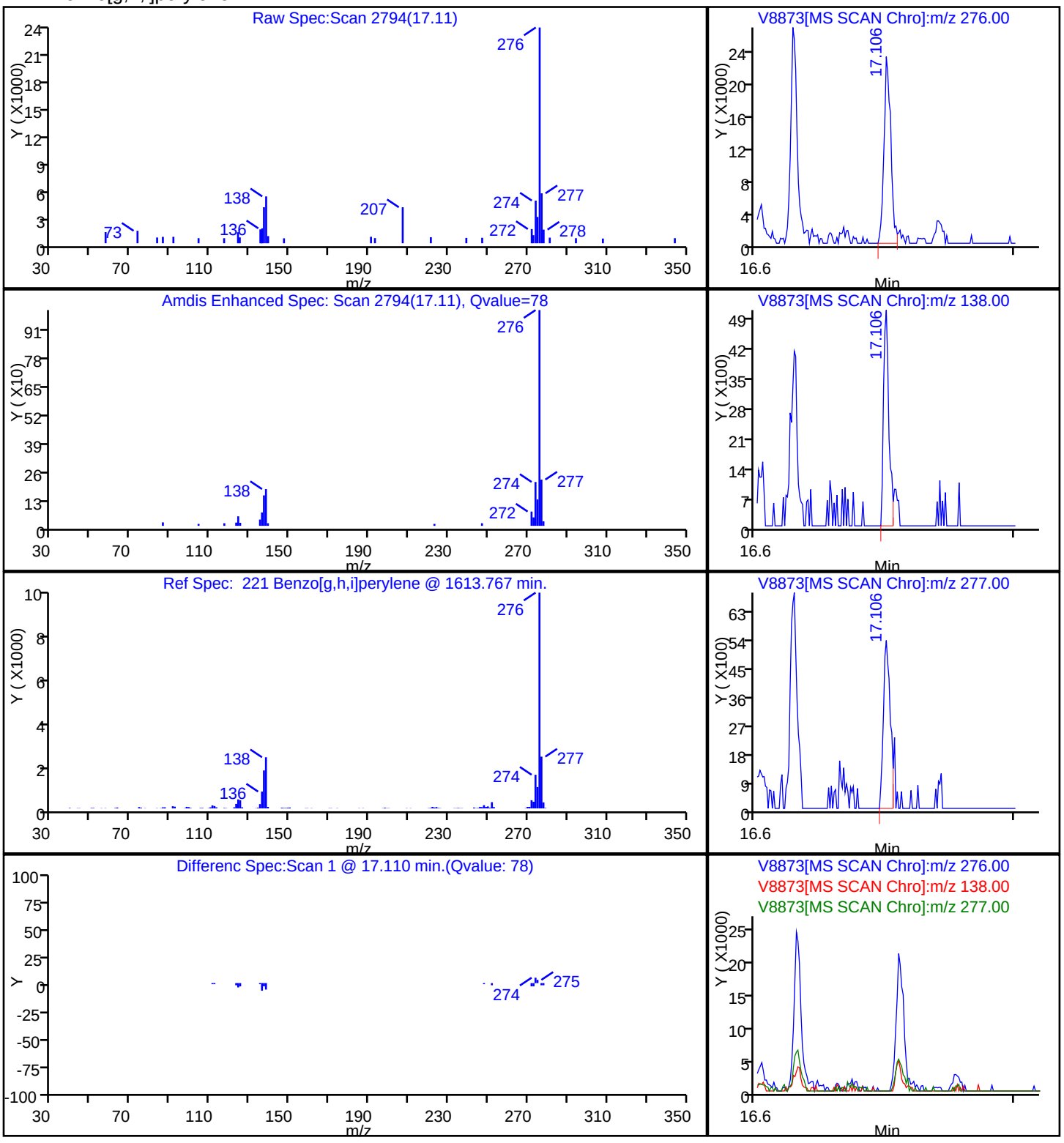


Report Date: 12-Apr-2012 11:08:58 Chrom Revision: 2.0 20-Feb-2012 13:27:02

Data File: \\Bufchrom\ChromData\HP5973V\20120411-10911.b\V8873.D

Injection Date:	12-Apr-2012 01:54:30	Limit Group:	MB - 8270C ICAL
Client ID:	RB-02 (0-6")	Instrument ID:	HP5973V
Lims Batch ID:	59155	Lims Sample ID:	15
Operator ID:	HL	Injection Vol:	1.00 ul
Column Type:	RXI-5Sil MS	Column Dia:	0.25 mm

221 Benzo[g,h,i]perylene

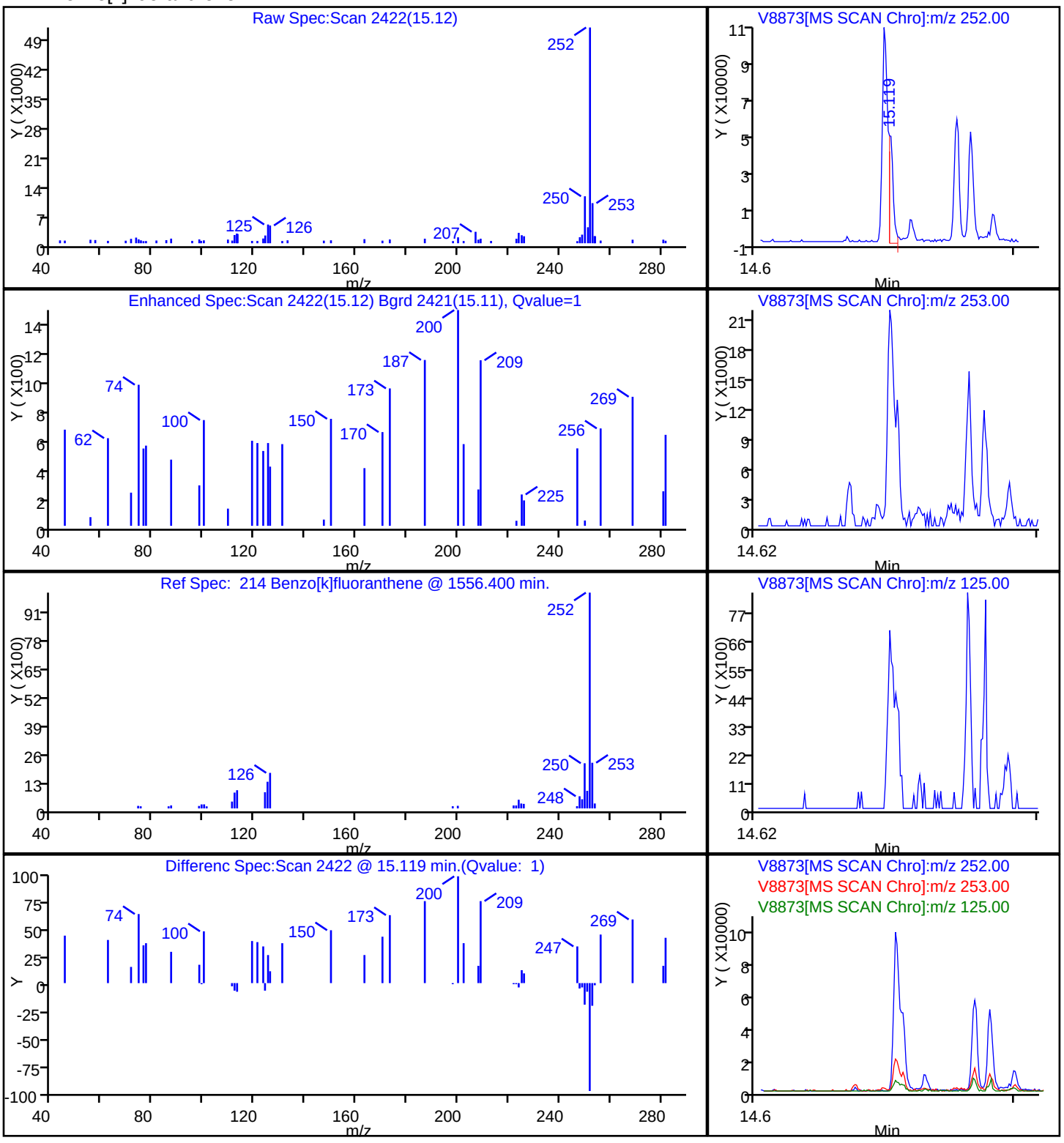


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Data File: \\Bufchrom\ChromData\HP5973V\20120411-10911.b\V8873.D

Injection Date:	12-Apr-2012 01:54:30	Limit Group:	MB - 8270C ICAL
Client ID:	RB-02 (0-6")	Instrument ID:	HP5973V
Lims Batch ID:	59155	Lims Sample ID:	15
Operator ID:	HL	Injection Vol:	1.00 ul
Column Type:	RXI-5Sil MS	Column Dia:	0.25 mm

214 Benzo[k]fluoranthene

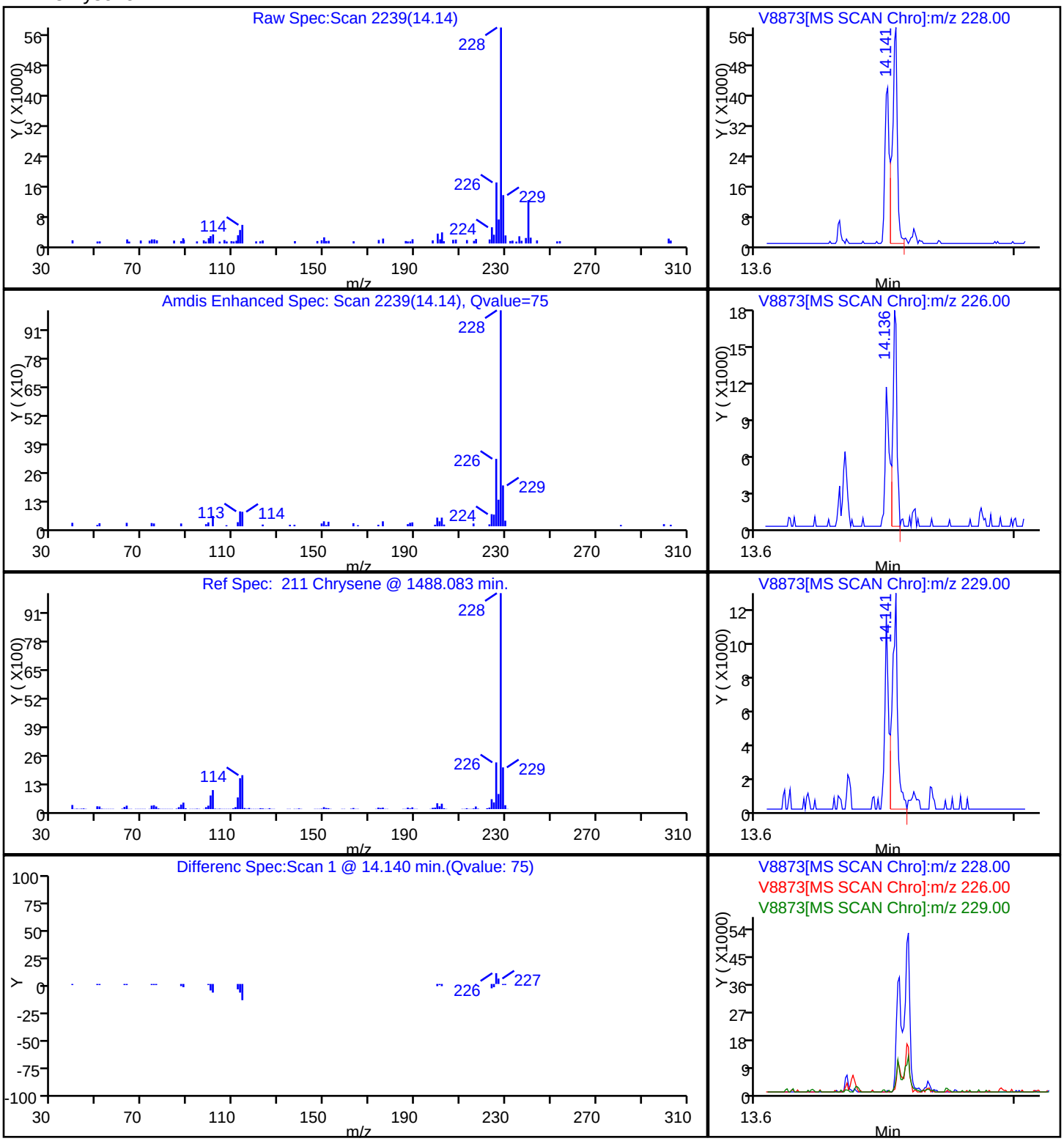


Report Date: 12-Apr-2012 11:08:58 Chrom Revision: 2.0 20-Feb-2012 13:27:02

Data File: \\Bufchrom\ChromData\HP5973V\20120411-10911.b\V8873.D

Injection Date:	12-Apr-2012 01:54:30	Limit Group:	MB - 8270C ICAL
Client ID:	RB-02 (0-6")	Instrument ID:	HP5973V
Lims Batch ID:	59155	Lims Sample ID:	15
Operator ID:	HL	Injection Vol:	1.00 ul
Column Type:	RXI-5Sil MS	Column Dia:	0.25 mm

211 Chrysene

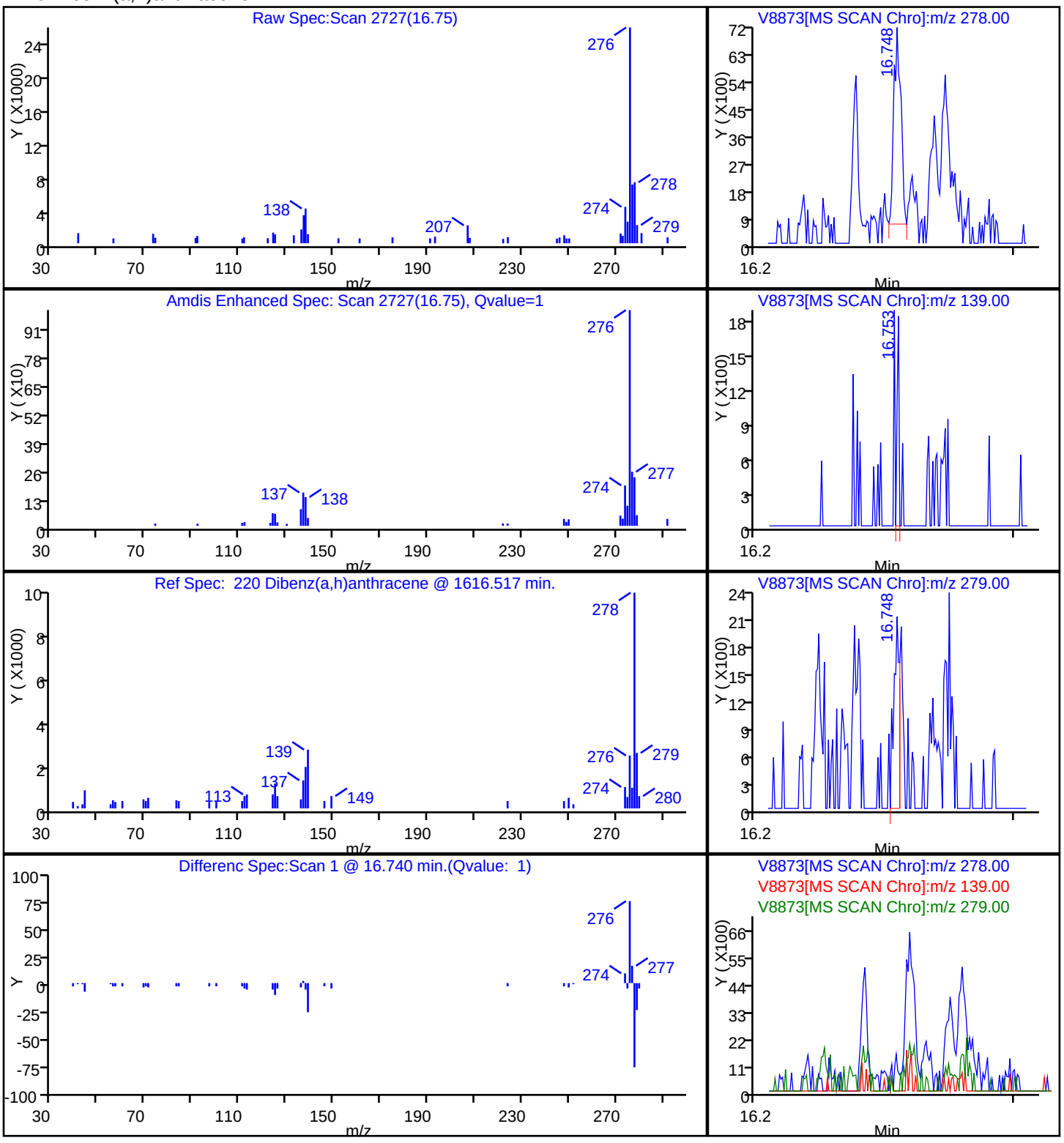


Report Date: 12-Apr-2012 11:08:58 Chrom Revision: 2.0 20-Feb-2012 13:27:02

Data File: \\Bufchrom\ChromData\HP5973V\20120411-10911.b\V8873.D

Injection Date:	12-Apr-2012 01:54:30	Limit Group:	MB - 8270C ICAL
Client ID:	RB-02 (0-6")	Instrument ID:	HP5973V
Lims Batch ID:	59155	Lims Sample ID:	15
Operator ID:	HL	Injection Vol:	1.00 ul
Column Type:	RXI-5Sil MS	Column Dia:	0.25 mm

220 Dibenz(a,h)anthracene

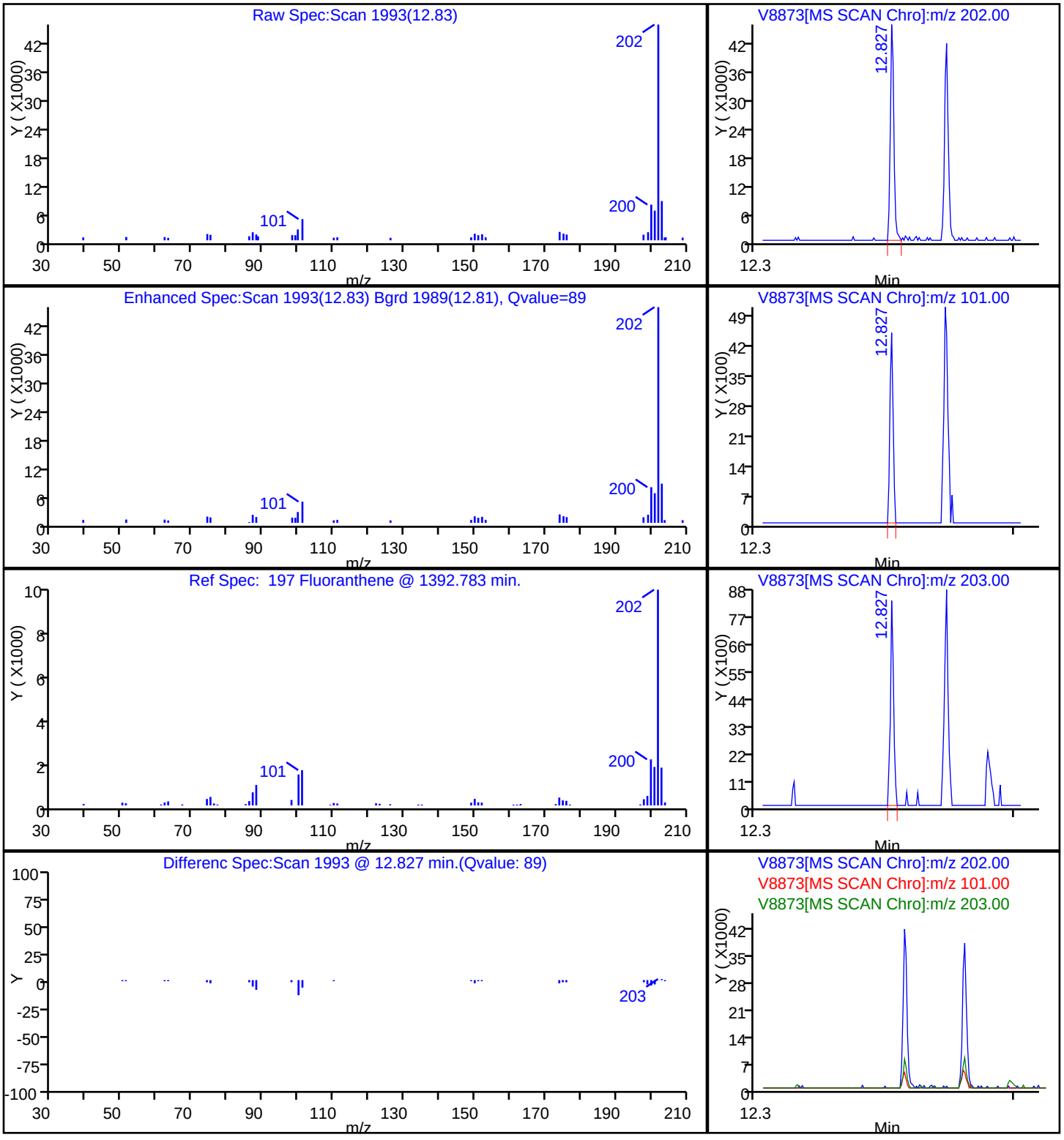


Report Date: 12-Apr-2012 11:08:58 Chrom Revision: 2.0 20-Feb-2012 13:27:02

Data File: \\Bufchrom\ChromData\HP5973V\20120411-10911.b\V8873.D

Injection Date:	12-Apr-2012 01:54:30	Limit Group:	MB - 8270C ICAL
Client ID:	RB-02 (0-6")	Instrument ID:	HP5973V
Lims Batch ID:	59155	Lims Sample ID:	15
Operator ID:	HL	Injection Vol:	1.00 ul
Column Type:	RXI-5Sil MS	Column Dia:	0.25 mm

197 Fluoranthene

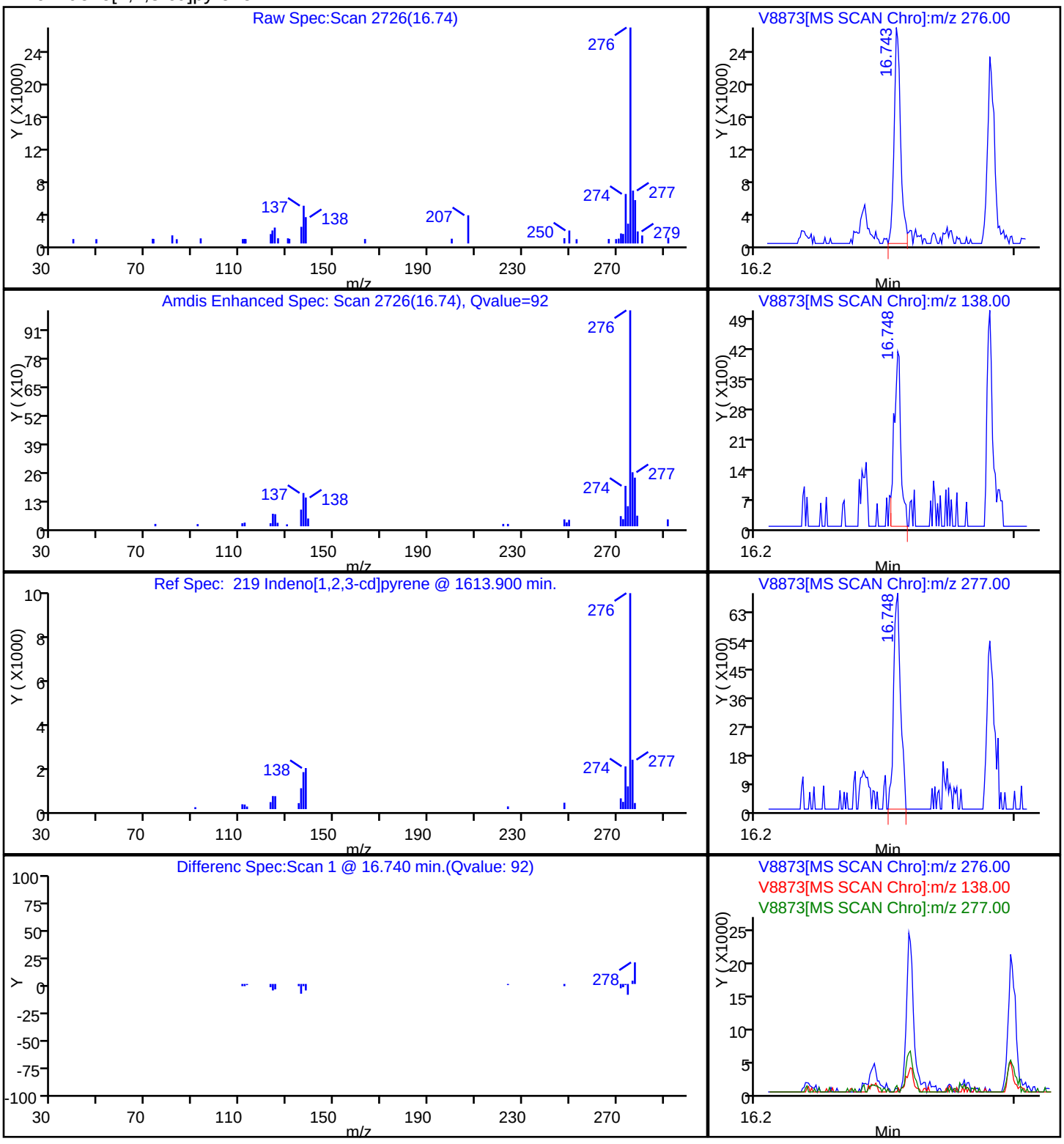


Report Date: 12-Apr-2012 11:08:58 Chrom Revision: 2.0 20-Feb-2012 13:27:02

Data File: \\Bufchrom\ChromData\HP5973V\20120411-10911.b\V8873.D

Injection Date:	12-Apr-2012 01:54:30	Limit Group:	MB - 8270C ICAL
Client ID:	RB-02 (0-6")	Instrument ID:	HP5973V
Lims Batch ID:	59155	Lims Sample ID:	15
Operator ID:	HL	Injection Vol:	1.00 ul
Column Type:	RXI-5Sil MS	Column Dia:	0.25 mm

219 Indeno[1,2,3-cd]pyrene

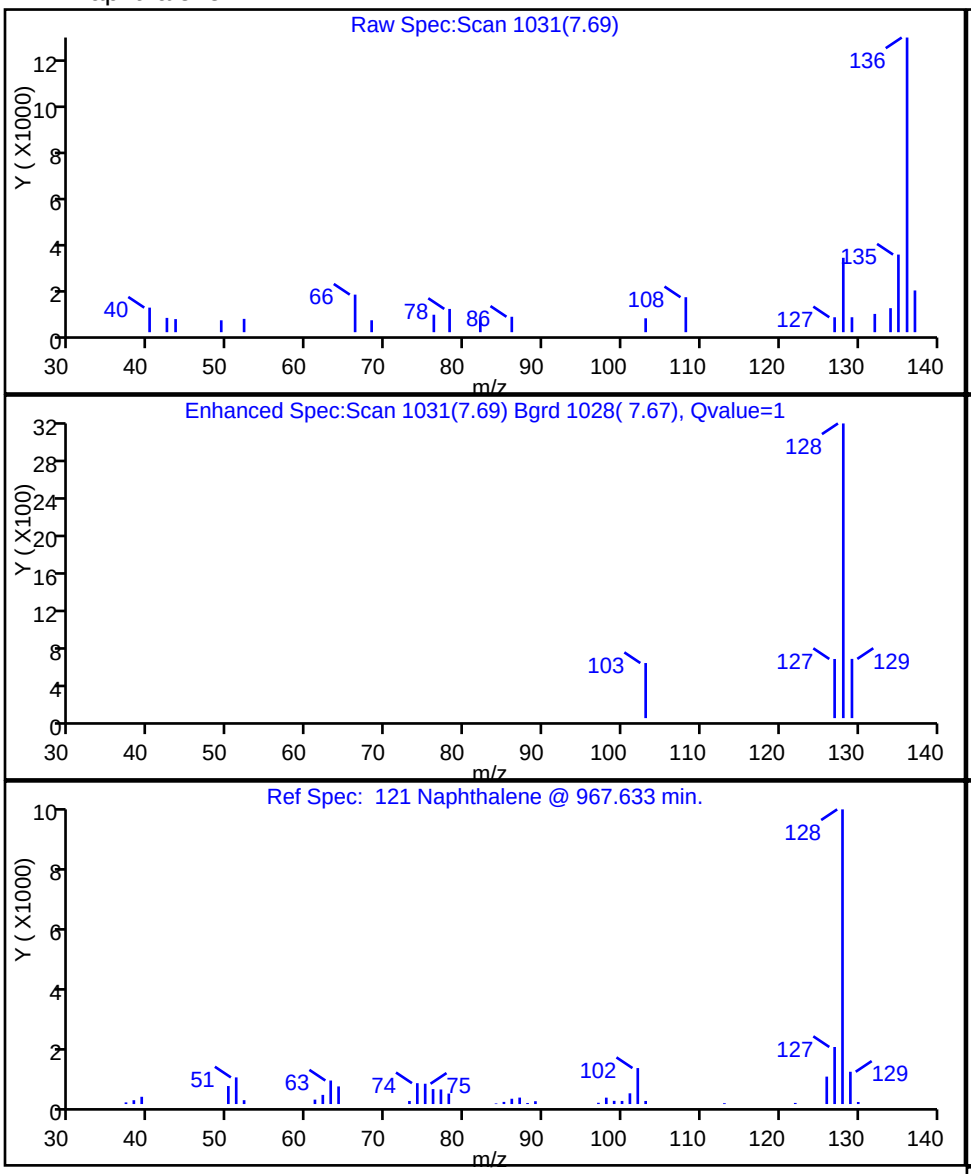


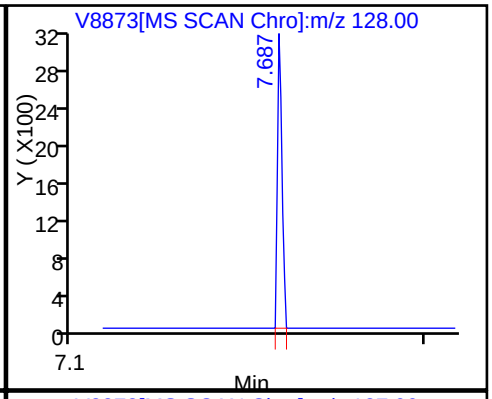
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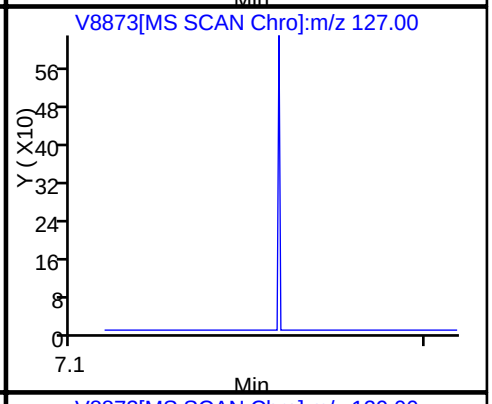
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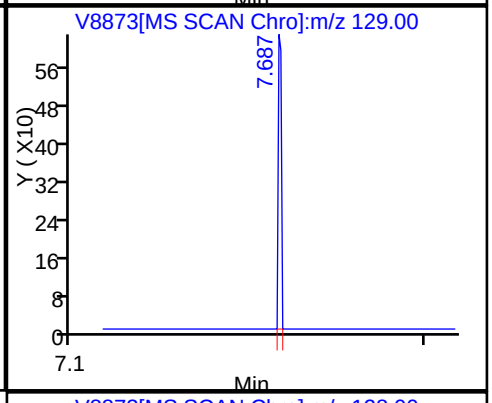
Injection Date:	12-Apr-2012 01:54:30	Limit Group:	MB - 8270C ICAL
Client ID:	RB-02 (0-6")	Instrument ID:	HP5973V
Lims Batch ID:	59155	Lims Sample ID:	15
Operator ID:	HL	Injection Vol:	1.00 ul
Column Type:	RXI-5Sil MS	Column Dia:	0.25 mm

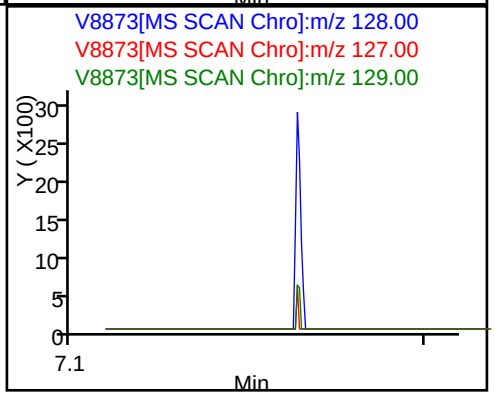
121 Naphthalene









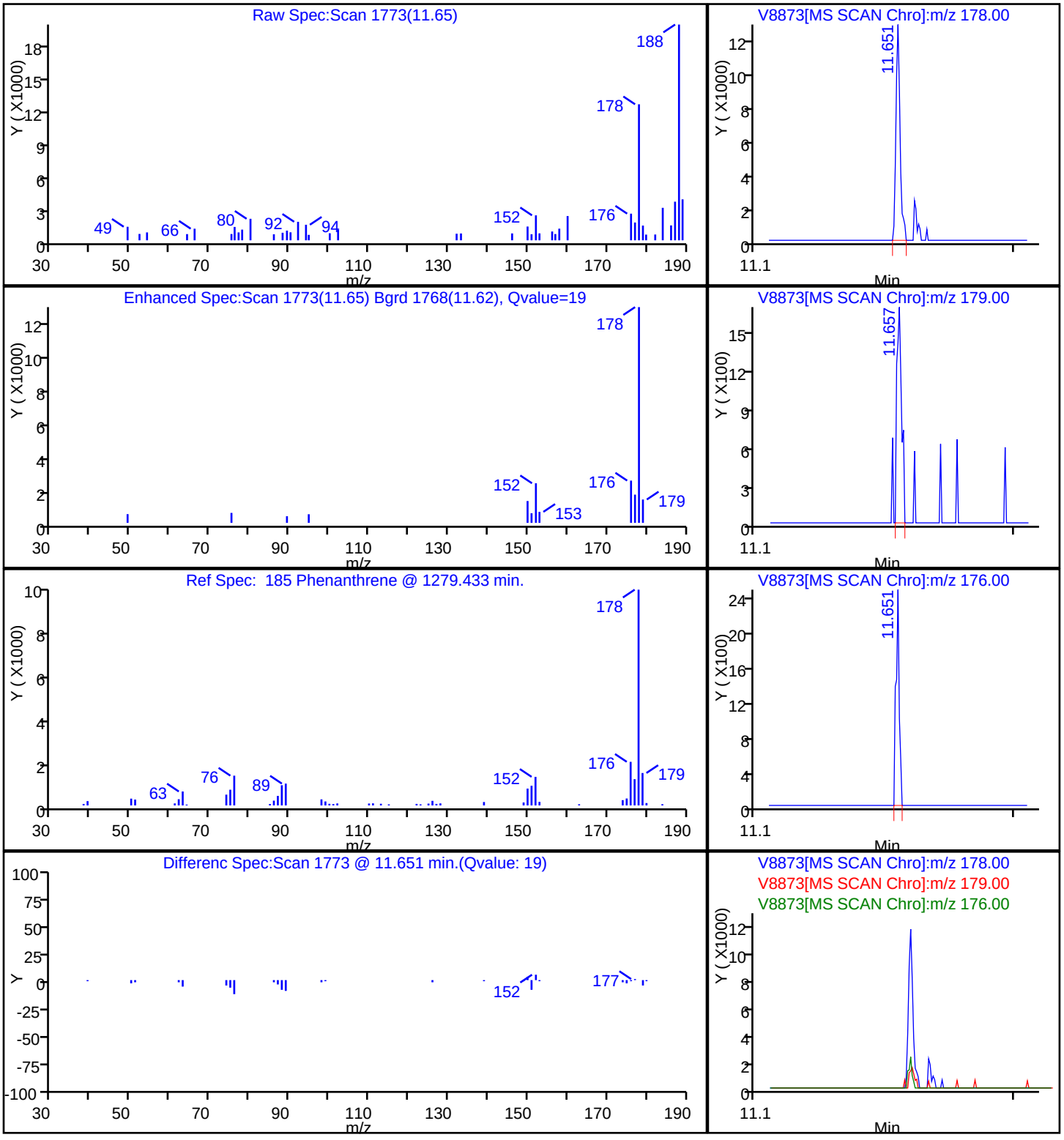


Report Date: 12-Apr-2012 11:08:58 Chrom Revision: 2.0 20-Feb-2012 13:27:02

Data File: \\Bufchrom\ChromData\HP5973V\20120411-10911.b\V8873.D

Injection Date:	12-Apr-2012 01:54:30	Limit Group:	MB - 8270C ICAL
Client ID:	RB-02 (0-6")	Instrument ID:	HP5973V
Lims Batch ID:	59155	Lims Sample ID:	15
Operator ID:	HL	Injection Vol:	1.00 ul
Column Type:	RXI-5Sil MS	Column Dia:	0.25 mm

185 Phenanthrene

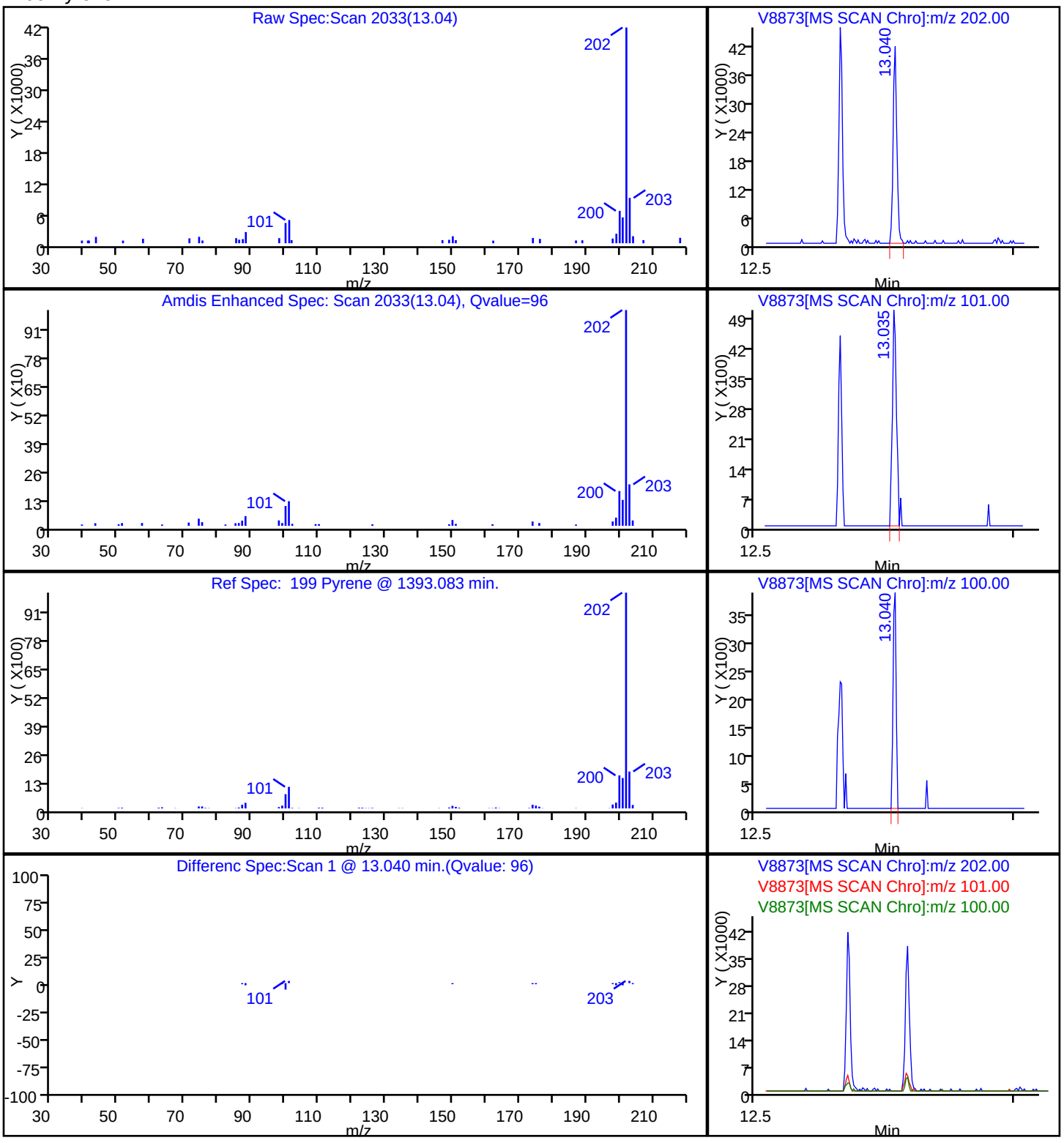


Report Date: 12-Apr-2012 11:08:58 Chrom Revision: 2.0 20-Feb-2012 13:27:02

Data File: \\Bufchrom\ChromData\HP5973V\20120411-10911.b\V8873.D

Injection Date:	12-Apr-2012 01:54:30	Limit Group:	MB - 8270C ICAL
Client ID:	RB-02 (0-6")	Instrument ID:	HP5973V
Lims Batch ID:	59155	Lims Sample ID:	15
Operator ID:	HL	Injection Vol:	1.00 ul
Column Type:	RXI-5Sil MS	Column Dia:	0.25 mm

199 Pyrene



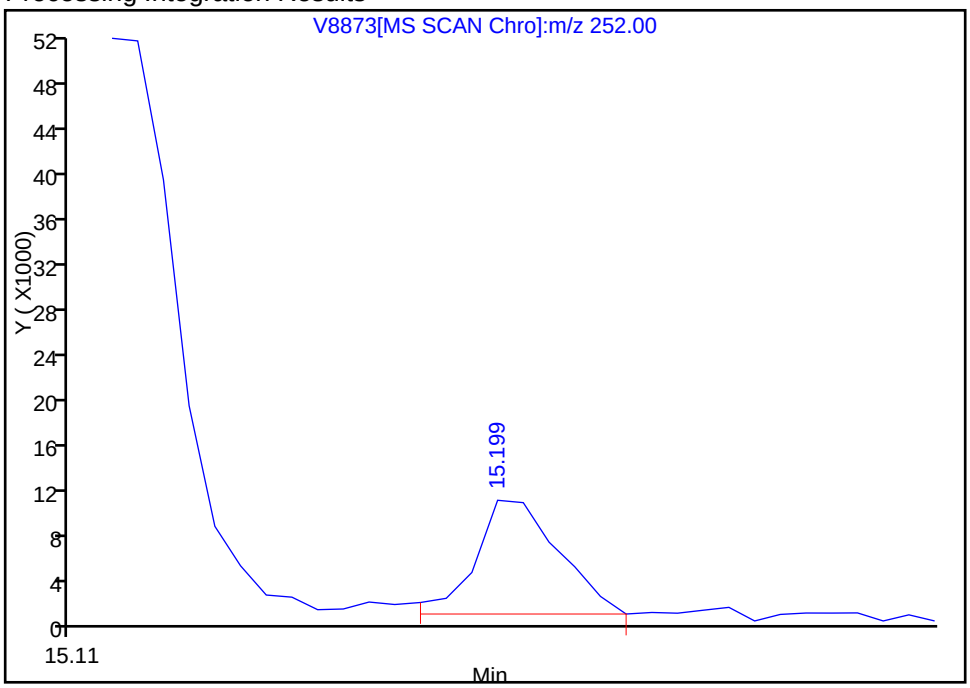
Manual Integration/User Assign Peak Report

Data File:	\\Bufchrom\ChromData\HP5973V\20120411-10911.b\V8873.D		
Injection Date:	12-Apr-2012 01:54:30	Limit Group:	MB - 8270C ICAL
Client ID:	RB-02 (0-6")	Instrument ID:	HP5973V
Lims Batch ID:	59155	Lims Sample ID:	15
Operator ID:	HL	Injection Vol:	1.00 ul
Column Type:	RXI-5Sil MS	Column Dia:	0.25 mm

214 Benzo[k]fluoranthene, Signal: 1, m/z: 252.0 Type: quant, RT: 15.13

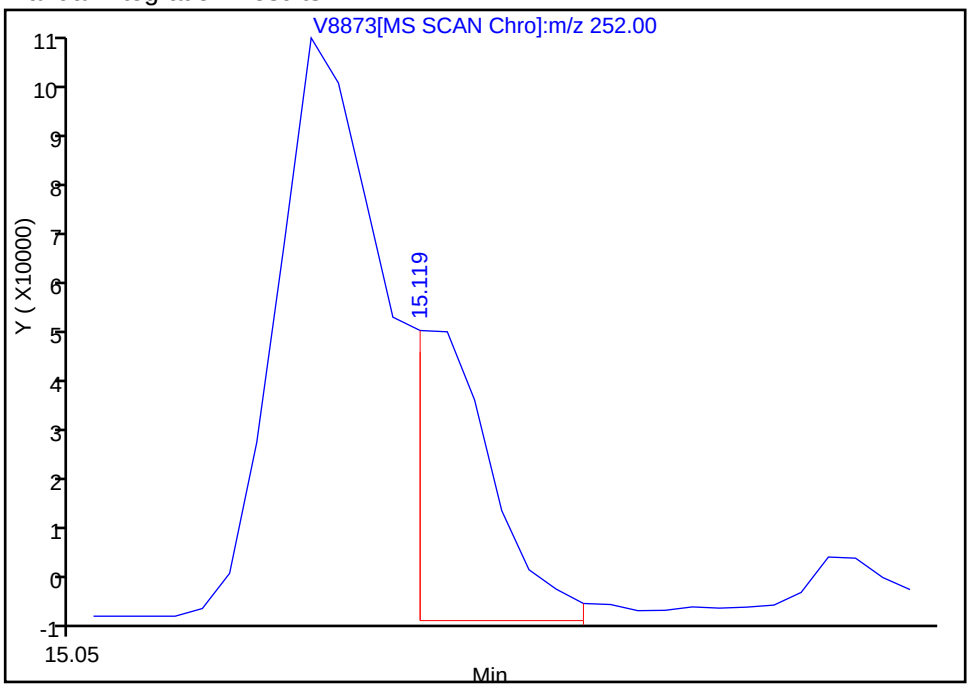
Processing Integration Results

RT: 15.20
Response: 12238
Amount: 0.666879



Manual Integration Results

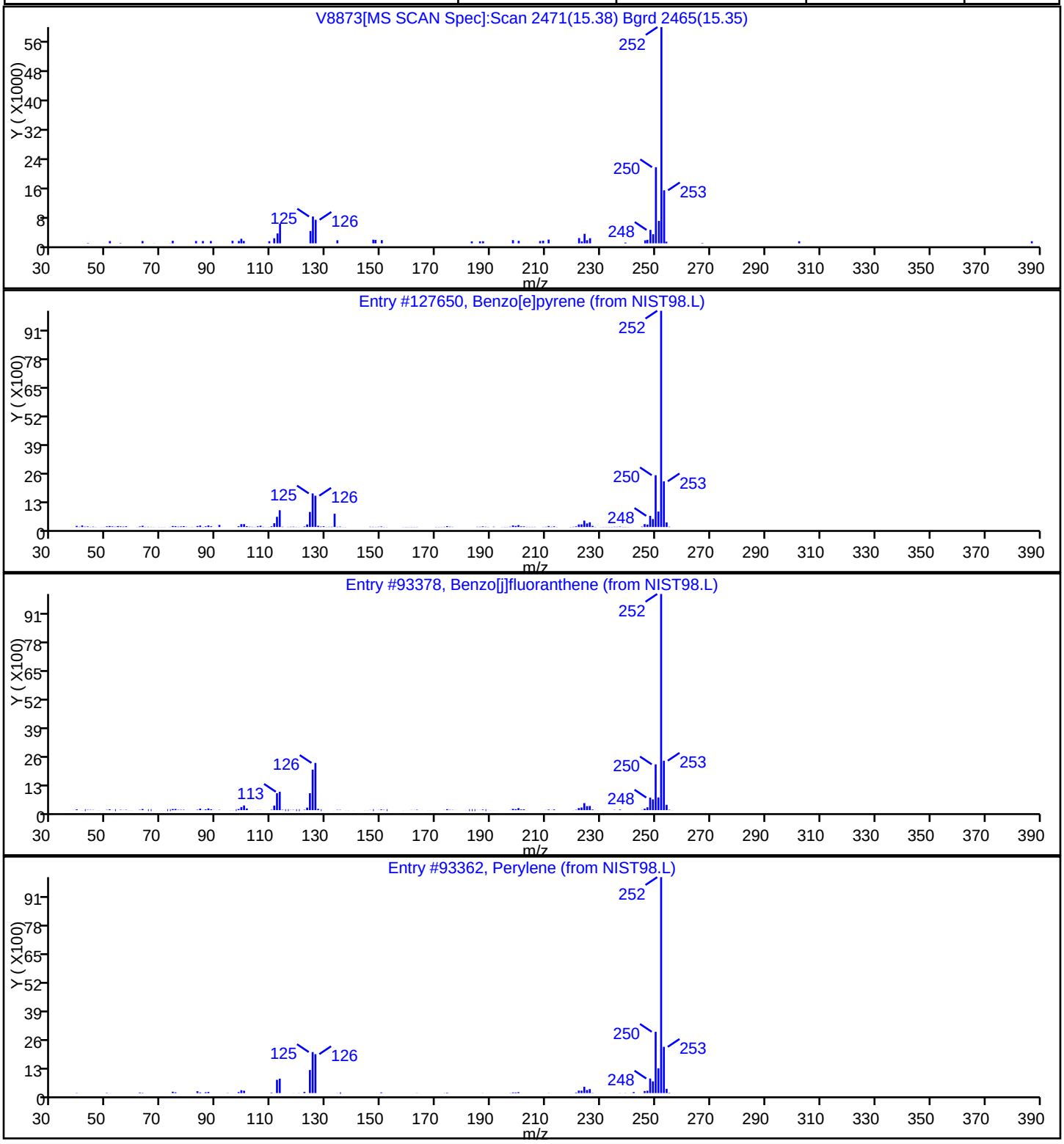
RT: 15.12
Response: 58482
Amount: 3.186828



Reviewer: lyh, 12-Apr-2012 11:08:57
Audit Action: Manually Integrated
Audit Reason: Assign Peak

Report Date: 12-Apr-2012 11:08:58 Chrom Revision: 2.0 20-Feb-2012 13:27:02
Data File: \\Bufchrom\ChromData\HP5973V\20120411-10911.b\V8873.D
Injection Date: 12-Apr-2012 01:54:30 Limit Group: MB - 8270C ICAL
Client ID: RB-02 (0-6") Instrument ID: HP5973V
Lims Batch ID: 59155 Lims Sample ID: 15
Operator ID: HL 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[j]fluoranthene	205-82-3	NIST98.L	93378	91
Perylene	198-55-0	NIST98.L	93362	91



FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Buffalo | Job No.: 480-18292-1

SDG No.:

Client Sample ID: RB-02 (6-12") | Lab Sample ID: 480-18292-9

Matrix: Solid | Lab File ID: V8874.D

Analysis Method: 8270C | Date Collected: 04/05/2012 16:40

Extract. Method: 3550B | Date Extracted: 04/10/2012 07:39

Sample wt/vol: +30.15(g) | Date Analyzed: 04/12/2012 02:18

Con. Extract Vol.: 1(mL) | Dilution Factor: 20

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

% Moisture: 7.6 | GPC Cleanup:(Y/N) N

Analysis Batch No.: 59155 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
95-95-4	2,4,5-Trichlorophenol	ND		3700	790
88-06-2	2,4,6-Trichlorophenol	ND		3700	240
120-83-2	2,4-Dichlorophenol	ND		3700	190
105-67-9	2,4-Dimethylphenol	ND		3700	980
51-28-5	2,4-Dinitrophenol	ND		7100	1300
121-14-2	2,4-Dinitrotoluene	ND		3700	560
606-20-2	2,6-Dinitrotoluene	ND		3700	890
91-58-7	2-Chloronaphthalene	ND		3700	240
95-57-8	2-Chlorophenol	ND		3700	190
91-57-6	2-Methylnaphthalene	ND		3700	44
95-48-7	2-Methylphenol	ND		3700	110
88-74-4	2-Nitroaniline	ND		7100	1200
88-75-5	2-Nitrophenol	ND		3700	170
91-94-1	3,3'-Dichlorobenzidine	ND		3700	3200
99-09-2	3-Nitroaniline	ND		7100	840
534-52-1	4,6-Dinitro-2-methylphenol	ND		7100	1300
101-55-3	4-Bromophenyl phenyl ether	ND		3700	1200
59-50-7	4-Chloro-3-methylphenol	ND		3700	150
106-47-8	4-Chloroaniline	ND		3700	1100
7005-72-3	4-Chlorophenyl phenyl ether	ND		3700	78
106-44-5	4-Methylphenol	ND		7100	200
100-01-6	4-Nitroaniline	ND		7100	410
100-02-7	4-Nitrophenol	ND		7100	880
83-32-9	Acenaphthene	ND		3700	43
208-96-8	Acenaphthylene	ND		3700	30
98-86-2	Acetophenone	ND		3700	190
120-12-7	Anthracene	ND		3700	93
1912-24-9	Atrazine	ND		3700	160
100-52-7	Benzaldehyde	ND		3700	400
56-55-3	Benzo(a)anthracene	3800		3700	63
50-32-8	Benzo(a)pyrene	5600		3700	88
205-99-2	Benzo(b)fluoranthene	9900		3700	71
191-24-2	Benzo(g,h,i)perylene	4100		3700	44
207-08-9	Benzo(k)fluoranthene	4300		3700	40

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Buffalo | Job No.: 480-18292-1

SDG No.:

Client Sample ID: RB-02 (6-12") | Lab Sample ID: 480-18292-9

Matrix: Solid | Lab File ID: V8874.D

Analysis Method: 8270C | Date Collected: 04/05/2012 16:40

Extract. Method: 3550B | Date Extracted: 04/10/2012 07:39

Sample wt/vol: +30.15(g) | Date Analyzed: 04/12/2012 02:18

Con. Extract Vol.: 1(mL) | Dilution Factor: 20

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

% Moisture: 7.6 | GPC Cleanup:(Y/N) N

Analysis Batch No.: 59155 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
92-52-4	Biphenyl	ND		3700	230
108-60-1	bis (2-chloroisopropyl) ether	ND		3700	380
111-91-1	Bis(2-chloroethoxy)methane	ND		3700	200
111-44-4	Bis(2-chloroethyl)ether	ND		3700	310
117-81-7	Bis(2-ethylhexyl) phthalate	ND		3700	1200
85-68-7	Butyl benzyl phthalate	ND		3700	980
105-60-2	Caprolactam	ND		3700	1600
86-74-8	Carbazole	ND		3700	42
218-01-9	Chrysene	5700		3700	36
53-70-3	Dibenz(a,h)anthracene	3400	J	3700	43
132-64-9	Dibenzofuran	ND		3700	38
84-66-2	Diethyl phthalate	ND		3700	110
131-11-3	Dimethyl phthalate	ND		3700	95
84-74-2	Di-n-butyl phthalate	ND		3700	1300
117-84-0	Di-n-octyl phthalate	ND		3700	85
206-44-0	Fluoranthene	2700	J	3700	53
86-73-7	Fluorene	ND		3700	84
118-74-1	Hexachlorobenzene	ND		3700	180
87-68-3	Hexachlorobutadiene	ND		3700	190
77-47-4	Hexachlorocyclopentadiene	ND		3700	1100
67-72-1	Hexachloroethane	ND		3700	280
193-39-5	Indeno(1,2,3-cd)pyrene	3600	J	3700	100
78-59-1	Isophorone	ND		3700	180
91-20-3	Naphthalene	ND		3700	61
98-95-3	Nitrobenzene	ND		3700	160
621-64-7	N-Nitrosodi-n-propylamine	ND		3700	290
86-30-6	N-Nitrosodiphenylamine	ND		3700	200
87-86-5	Pentachlorophenol	ND		7100	1200
85-01-8	Phenanthrene	750	J	3700	76
108-95-2	Phenol	ND		3700	380
129-00-0	Pyrene	2500	J	3700	24

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Buffalo | Job No.: 480-18292-1

SDG No.:

Client Sample ID: RB-02 (6-12") | Lab Sample ID: 480-18292-9

Matrix: Solid | Lab File ID: V8874.D

Analysis Method: 8270C | Date Collected: 04/05/2012 16:40

Extract. Method: 3550B | Date Extracted: 04/10/2012 07:39

Sample wt/vol: +30.15(g) | Date Analyzed: 04/12/2012 02:18

Con. Extract Vol.: 1(mL) | Dilution Factor: 20

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

% Moisture: 7.6 | GPC Cleanup:(Y/N) N

Analysis Batch No.: 59155 | Units: ug/Kg

CAS NO.	SURROGATE	%REC	Q	LIMITS
118-79-6	2,4,6-Tribromophenol	57		39-146
321-60-8	2-Fluorobiphenyl	80		37-120
367-12-4	2-Fluorophenol	72		18-120
4165-60-0	Nitrobenzene-d5	71		34-132
4165-62-2	Phenol-d5	64		11-120
1718-51-0	p-Terphenyl-d14	89		65-153

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

Lab Name: TestAmerica Buffalo | Job No.: 480-18292-1

SDG No.:

Client Sample ID: RB-02 (6-12") | Lab Sample ID: 480-18292-9

Matrix: Solid | Lab File ID: V8874.D

Analysis Method: 8270C | Date Collected: 04/05/2012 16:40

Extract. Method: 3550B | Date Extracted: 04/10/2012 07:39

Sample wt/vol: +30.15(g) | Date Analyzed: 04/12/2012 02:18

Con. Extract Vol.: 1(mL) | Dilution Factor: 20

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

% Moisture: 7.6 | GPC Cleanup:(Y/N) N

Analysis Batch No.: 59155 | Units: ug/Kg

Number TICs Found: 1 | TIC Result Total: 5600

CAS NO.	COMPOUND NAME	RT	RESULT	Q
207-8-9	Benzo[k]fluoranthene	15.38	5600	T J N

TestAmerica Laboratories
Target Compound Quantitation Report

Data File:	\\Bufchrom\ChromData\HP5973V\20120411-10911.b\V8874.D		
Lims ID:	480-18292-A-9-A	Client ID:	RB-02 (6-12")
Inject. Date:	12-Apr-2012 02:18:30	Dil. Factor:	20.0000
Sample Type:	Client		
Sample ID:	480-0010911-016		
Misc. Info.:	480-18292-A-9-A		
Operator:	HL	Instrument ID:	HP5973V
Vol. Injected:	1.0000	ALS Bottle#:	39
Lims Batch ID:	59155	Lims Sample ID:	16
Detector:	MS SCAN		
Method:	\\Bufchrom\ChromData\HP5973V\20120411-10911.b\V-8270.m		
Last Update:	12-Apr-2012 11:13:38	Calib Date:	09-Apr-2012 16:15:30
Quant Method:	Internal Standard	Quant By:	Initial Calibration
Last ICal File:	\\Bufchrom\ChromData\HP5973V\20120409-10827.b\V8763.D		
Limit Group:	MB - 8270C ICAL		
Integrator:	RTE	ID Type:	Deconvolution ID
Process Host:	CORP-CTX-19		
First Level Reviewer: lyh		Date:	12-Apr-2012 11:13:38

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ng/uL	Flags
* 1 1,4-Dichlorobenzene-d4	152	6.010	6.005	0.005	96	116696	40.0	
* 2 Naphthalene-d8	136	7.666	7.661	0.005	99	457707	40.0	
* 3 Acenaphthene-d10	164	9.926	9.926	0.0	90	288901	40.0	
* 4 Phenanthrene-d10	188	11.625	11.625	0.0	97	474265	40.0	
* 5 Chrysene-d12	240	14.119	14.120	-0.001	97	535438	40.0	
* 6 Perylene-d12	264	15.498	15.498	0.0	99	551946	40.0	
$ 9 2-Fluorophenol	112	4.327	4.317	0.010	36	21540	5.37	
$ 10 Phenol-d5	99	5.545	5.535	0.010	57	25469	4.78	
$ 11 Nitrobenzene-d5	82	6.742	6.737	0.005	62	17269	3.55	
$ 12 2-Fluorobiphenyl	172	9.076	9.066	0.010	68	36470	4.01	
$ 13 2,4,6-Tribromophenol	330	10.893	10.877	0.016	1	4048	4.25	
$ 14 p-Terphenyl-d14	244	13.169	13.169	0.0	85	52018	4.47	
88 Benzaldehyde	77		5.444					
89 Phenol	94		5.551					
91 Bis(2-chloroethyl)ether	93		5.668					
93 2-Chlorophenol	128		5.732					
98 2-Methylphenol	108		6.341					
99 2,2'-oxybis[1-chloropropane]	45		6.368					
104 Acetophenone	105		6.539					
101 N-Nitrosodi-n-propylamine	70		6.544					
102 4-Methylphenol	108		6.550					
106 Hexachloroethane	117		6.662					
107 Nitrobenzene	77		6.758					
110 Isophorone	82		7.073					
111 2-Nitrophenol	139		7.175					
112 2,4-Dimethylphenol	107		7.244					
115 Bis(2-chloroethoxy)methane	93		7.362					
117 2,4-Dichlorophenol	162		7.490					
121 Naphthalene	128		7.693					
123 4-Chloroaniline	127		7.778					
126 Hexachlorobutadiene	225		7.853					

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ng/uL	Flags
127 Caprolactam	113		8.222					
131 4-Chloro-3-methylphenol	107		8.414					
133 2-Methylnaphthalene	142		8.590					
136 Hexachlorocyclopentadiene	237		8.788					
139 2,4,6-Trichlorophenol	196		8.959					
140 2,4,5-Trichlorophenol	196		9.012					
144 1,1'-Biphenyl	154		9.194					
143 2-Chloronaphthalene	162		9.215					
145 2-Nitroaniline	65		9.370					
147 Dimethyl phthalate	163		9.605					
148 2,6-Dinitrotoluene	165		9.686					
149 Acenaphthylene	152		9.750					
150 3-Nitroaniline	138		9.910					
151 Acenaphthene	153		9.969					
152 2,4-Dinitrophenol	184		10.044					
153 4-Nitrophenol	109		10.150					
155 Dibenzofuran	168		10.182					
154 2,4-Dinitrotoluene	165		10.193					
160 Diethyl phthalate	149		10.482					
161 Fluorene	166		10.594					
162 4-Chlorophenyl phenyl ether	204		10.599					
164 4-Nitroaniline	138		10.653					
166 4,6-Dinitro-2-methylphenol	198		10.679					
167 N-Nitrosodiphenylamine	169		10.743					
176 4-Bromophenyl phenyl ether	248		11.149					
177 Hexachlorobenzene	284		11.213					
180 Atrazine	200		11.347					
181 Pentachlorophenol	266		11.433					
185 Phenanthrene	178	11.651	11.652	-0.001	7	13385	1.05	
188 Anthracene	178		11.705					
189 Carbazole	167		11.881					
192 Di-n-butyl phthalate	149		12.218					
197 Fluoranthene	202	12.827	12.827	0.0	90	53001	3.80	
199 Pyrene	202	13.040	13.041	-0.001	96	55748	3.54	
205 Butyl benzyl phthalate	149		13.596					
210 Bis(2-ethylhexyl) phthalate	149		14.077					
208 3,3'-Dichlorobenzidine	252		14.082					
209 Benzo[a]anthracene	228	14.103	14.109	-0.006	94	79176	5.31	
211 Chrysene	228	14.141	14.146	-0.005	76	120773	7.94	
212 Di-n-octyl phthalate	149		14.643					
213 Benzo[b]fluoranthene	252	15.097	15.103	-0.006	90	216900	13.8	M
214 Benzo[k]fluoranthene	252	15.113	15.135	-0.022	97	107544	5.95	M
217 Benzo[a]pyrene	252	15.434	15.439	-0.005	65	106781	7.76	
219 Indeno[1,2,3-cd]pyrene	276	16.743	16.759	-0.016	95	73193	4.96	
220 Dibenz(a,h)anthracene	278	16.748	16.764	-0.016	11	24694	4.67	
221 Benzo[g,h,i]perylene	276	17.106	17.122	-0.016	82	70308	5.73	

QC Flag Legend

Review Flags
M - Manually Integrated

TestAmerica Laboratories
Tentatively Identified Quantitation Report

Data File:	\\Bufchrom\ChromData\HP5973V\20120411-10911.b\V8874.D		
Lims ID:	480-18292-A-9-A	Client ID:	RB-02 (6-12")
Inject. Date:	12-Apr-2012 02:18:30	Dil. Factor:	20.0000
Sample Type:	Client		
Sample ID:	480-0010911-016		
Misc. Info.:	480-18292-A-9-A		
Operator:	HL	Instrument ID:	HP5973V
Vol. Injected:	1.0000	ALS Bottle#:	39
Lims Batch ID:	59155	Lims Sample ID:	16
Detector:	MS SCAN		
Method:	\\Bufchrom\ChromData\HP5973V\20120411-10911.b\V-8270.m		
Last Update:	12-Apr-2012 11:13:38	Calib Date:	09-Apr-2012 16:15:30
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: lyh		Date:	12-Apr-2012 11:13:38

Tentative Identified Compound Results

RT	Response	Amount ng/uL	Quant Cpnd	Qual	Lib Entry	Flags
207-8-9 Benzo[k]fluoranthene						
15.380	296664	7.82	6	93	93384	

Quantitation Compounds

Compound	RT	Response	Amount ng/uL
* 6 Perylene-d12	15.498	1517292	40.0

QC Flag Legend

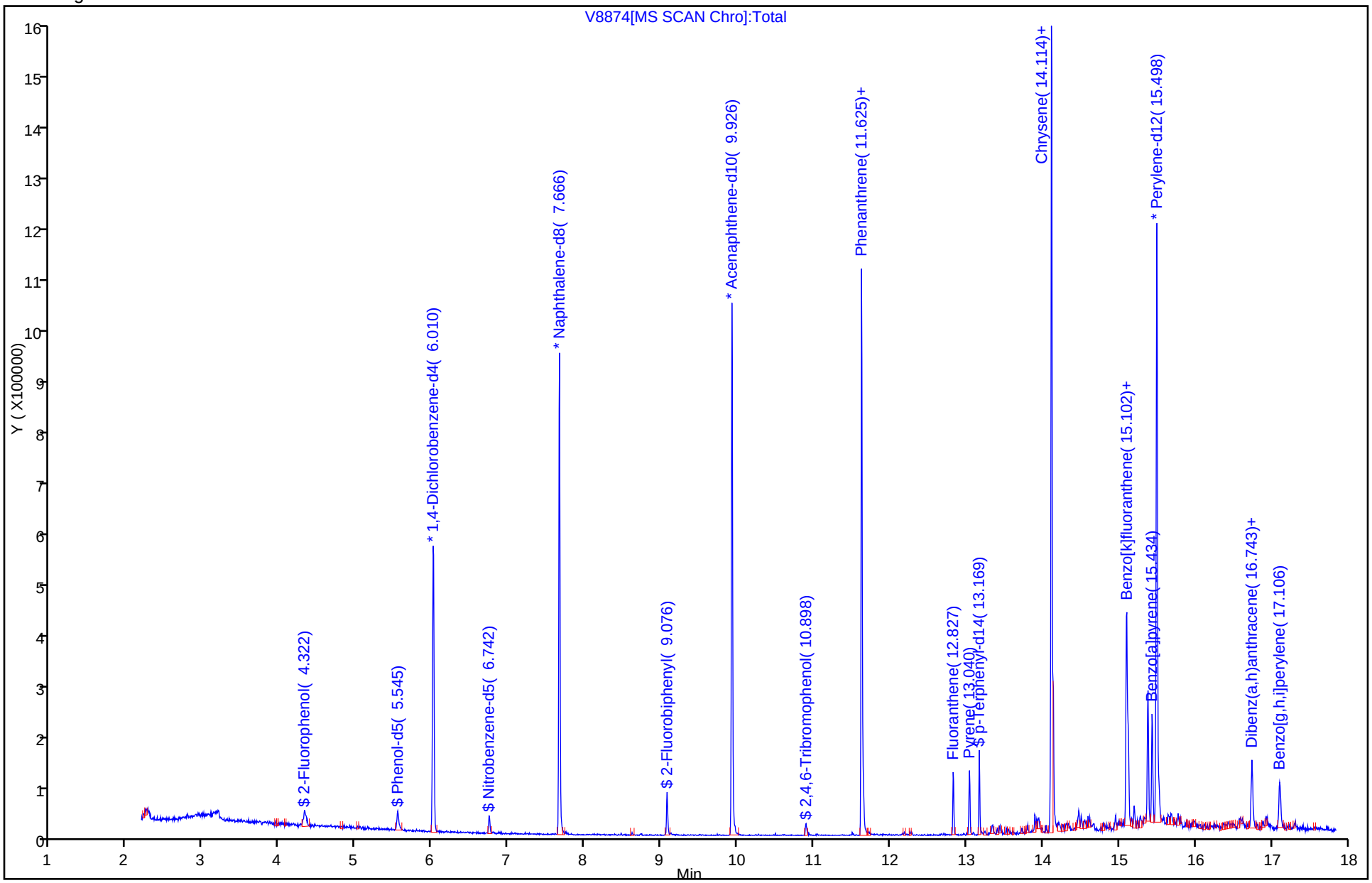
Processing Flags

Report Date: 12-Apr-2012 11:13:38 Chrom Revision: 2.0 20-Feb-2012 13:27:02

Data File: \\Bufchrom\ChromData\HP5973V\20120411-10911.b\V8874.D

Injection Date:	12-Apr-2012 02:18:30	Limit Group:	MB - 8270C ICAL
Client ID:	RB-02 (6-12")	Instrument ID:	HP5973V
Lims Batch ID:	59155	Lims Sample ID:	16
Operator ID:	HL	Injection Vol:	1.00 ul
Column Type:	RXI-5Sil MS	Column Dia:	0.25 mm

Y Scaling:

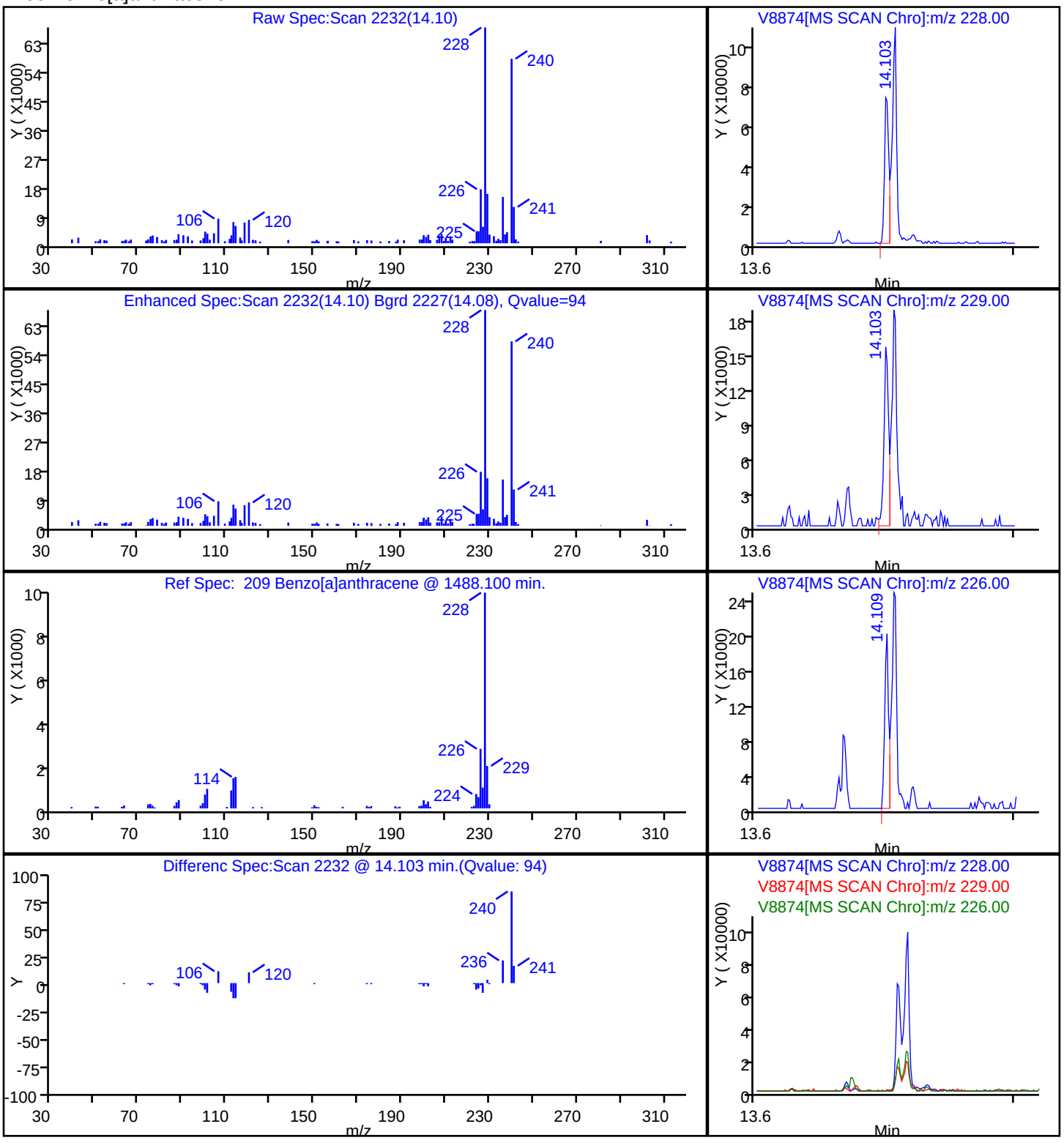


Report Date: 12-Apr-2012 11:13:38 Chrom Revision: 2.0 20-Feb-2012 13:27:02

Data File: \\Bufchrom\ChromData\HP5973V\20120411-10911.b\V8874.D

Injection Date:	12-Apr-2012 02:18:30	Limit Group:	MB - 8270C ICAL
Client ID:	RB-02 (6-12")	Instrument ID:	HP5973V
Lims Batch ID:	59155	Lims Sample ID:	16
Operator ID:	HL	Injection Vol:	1.00 ul
Column Type:	RXI-5Sil MS	Column Dia:	0.25 mm

209 Benzo[a]anthracene

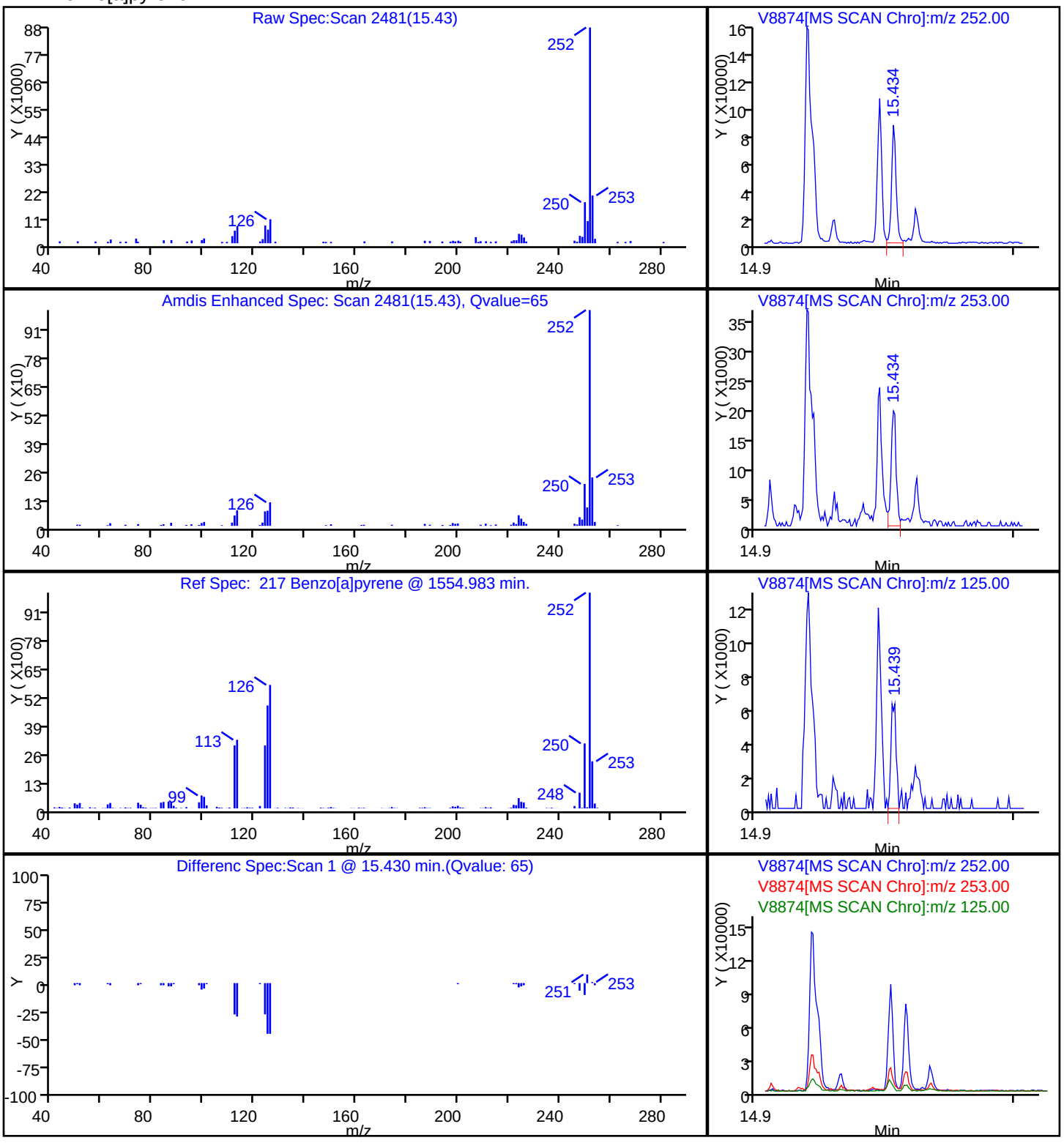


Report Date: 12-Apr-2012 11:13:38 Chrom Revision: 2.0 20-Feb-2012 13:27:02

Data File: \\Bufchrom\ChromData\HP5973V\20120411-10911.b\V8874.D

Injection Date:	12-Apr-2012 02:18:30	Limit Group:	MB - 8270C ICAL
Client ID:	RB-02 (6-12")	Instrument ID:	HP5973V
Lims Batch ID:	59155	Lims Sample ID:	16
Operator ID:	HL	Injection Vol:	1.00 ul
Column Type:	RXI-5Sil MS	Column Dia:	0.25 mm

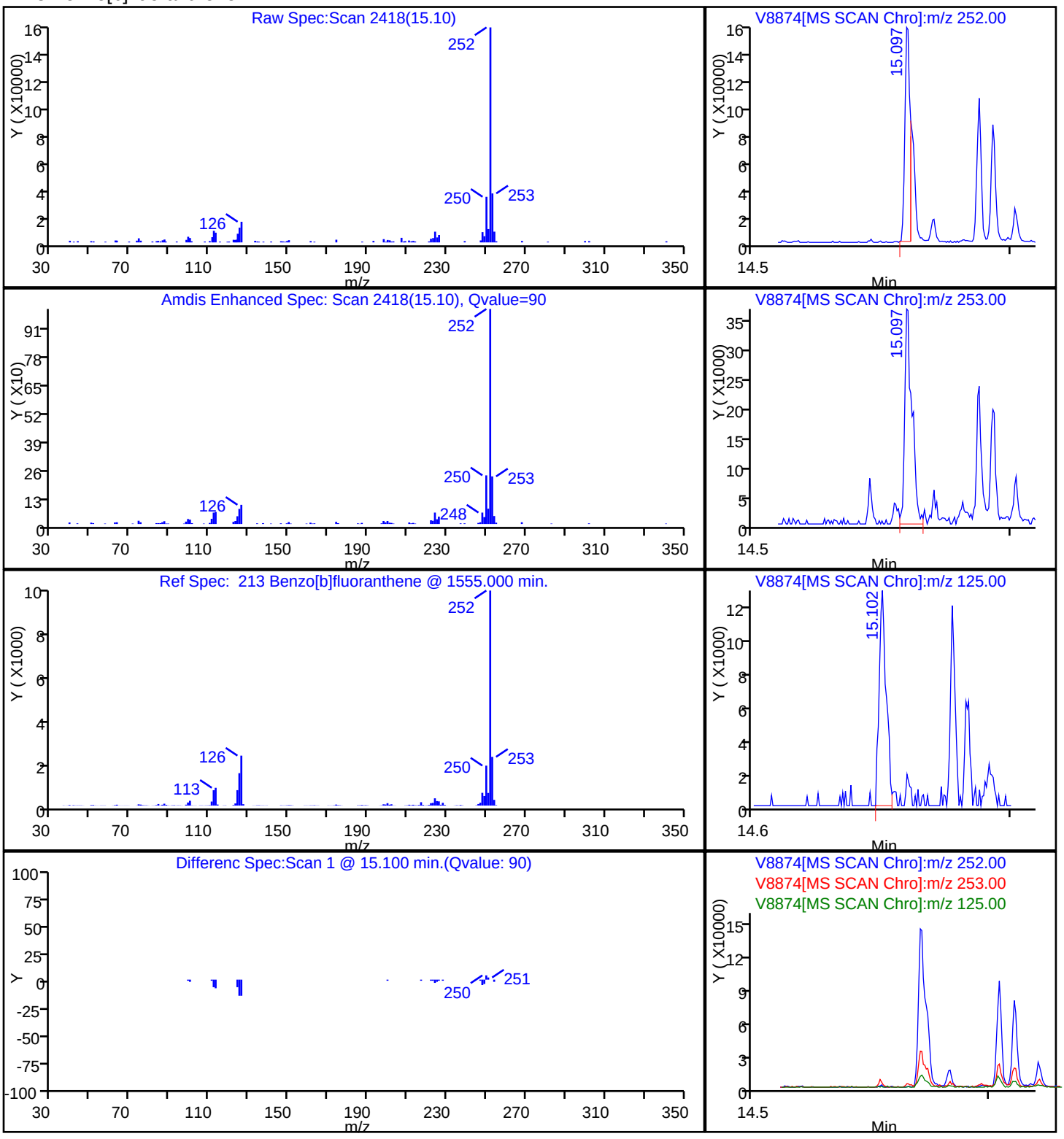
217 Benzo[a]pyrene



Report Date: 12-Apr-2012 11:13:38 Chrom Revision: 2.0 20-Feb-2012 13:27:02

Data File:	\\Bufchrom\ChromData\HP5973V\20120411-10911.b\V8874.D		
Injection Date:	12-Apr-2012 02:18:30	Limit Group:	MB - 8270C ICAL
Client ID:	RB-02 (6-12")	Instrument ID:	HP5973V
Lims Batch ID:	59155	Lims Sample ID:	16
Operator ID:	HL	Injection Vol:	1.00 ul
Column Type:	RXI-5Sil MS	Column Dia:	0.25 mm

213 Benzo[b]fluoranthene

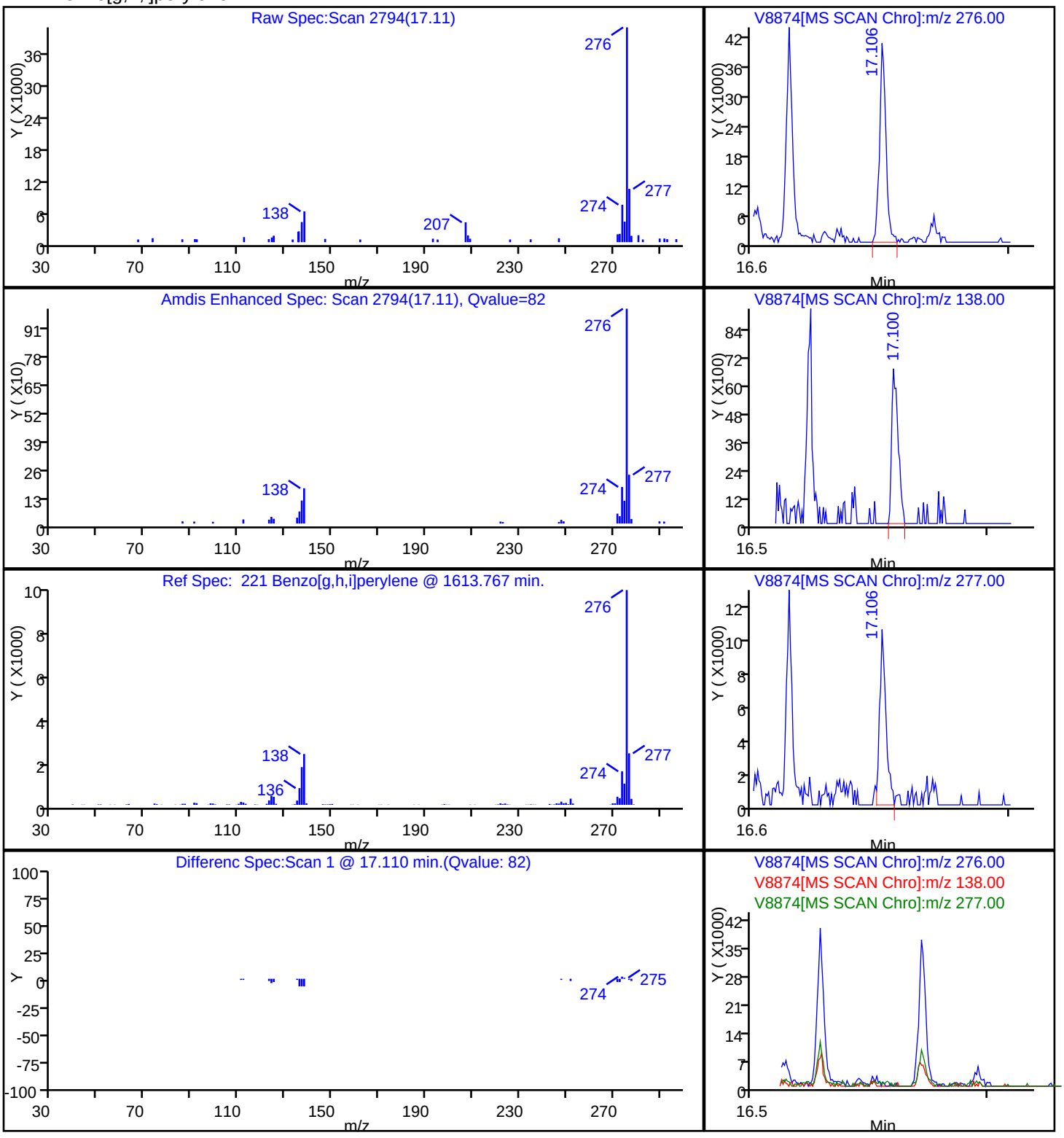


Report Date: 12-Apr-2012 11:13:38 Chrom Revision: 2.0 20-Feb-2012 13:27:02

Data File: \\Bufchrom\ChromData\HP5973V\20120411-10911.b\V8874.D

Injection Date:	12-Apr-2012 02:18:30	Limit Group:	MB - 8270C ICAL
Client ID:	RB-02 (6-12")	Instrument ID:	HP5973V
Lims Batch ID:	59155	Lims Sample ID:	16
Operator ID:	HL	Injection Vol:	1.00 ul
Column Type:	RXI-5Sil MS	Column Dia:	0.25 mm

221 Benzo[g,h,i]perylene

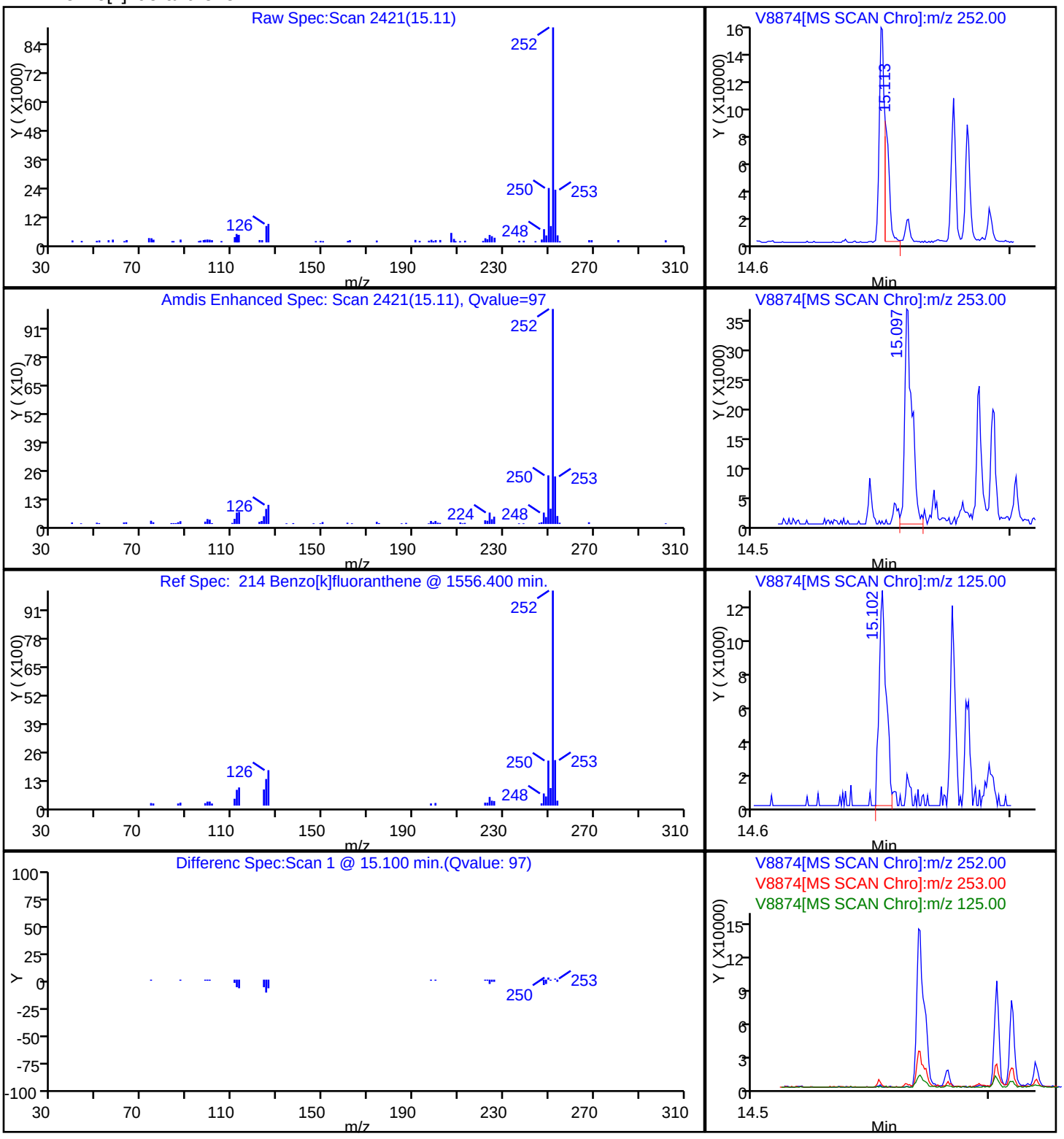


Report Date: 12-Apr-2012 11:13:38 Chrom Revision: 2.0 20-Feb-2012 13:27:02

Data File: \\Bufchrom\ChromData\HP5973V\20120411-10911.b\V8874.D

Injection Date:	12-Apr-2012 02:18:30	Limit Group:	MB - 8270C ICAL
Client ID:	RB-02 (6-12")	Instrument ID:	HP5973V
Lims Batch ID:	59155	Lims Sample ID:	16
Operator ID:	HL	Injection Vol:	1.00 ul
Column Type:	RXI-5Sil MS	Column Dia:	0.25 mm

214 Benzo[k]fluoranthene

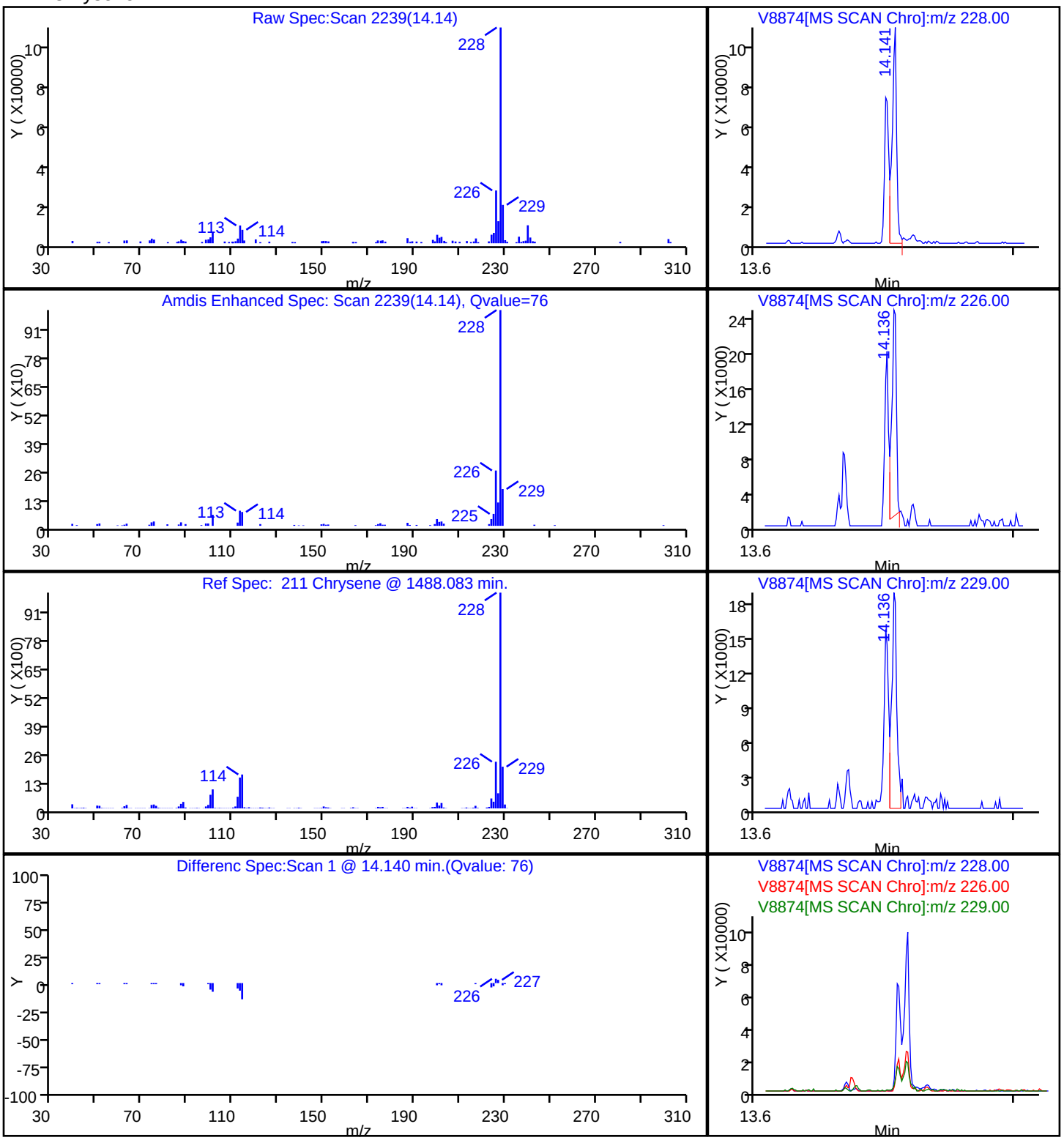


Report Date: 12-Apr-2012 11:13:38 Chrom Revision: 2.0 20-Feb-2012 13:27:02

Data File: \\Bufchrom\ChromData\HP5973V\20120411-10911.b\V8874.D

Injection Date:	12-Apr-2012 02:18:30	Limit Group:	MB - 8270C ICAL
Client ID:	RB-02 (6-12")	Instrument ID:	HP5973V
Lims Batch ID:	59155	Lims Sample ID:	16
Operator ID:	HL	Injection Vol:	1.00 ul
Column Type:	RXI-5Sil MS	Column Dia:	0.25 mm

211 Chrysene

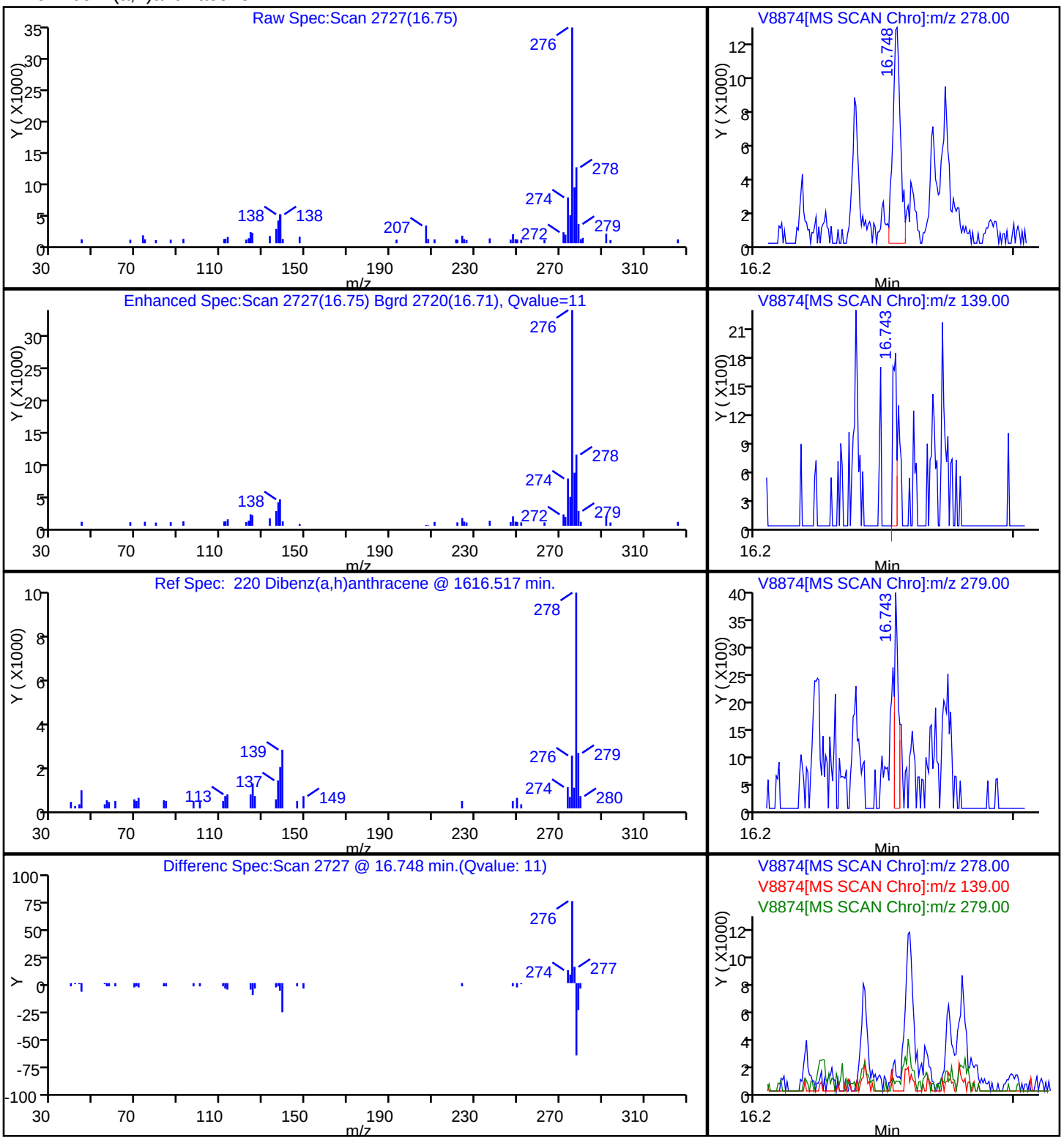


Report Date: 12-Apr-2012 11:13:38 Chrom Revision: 2.0 20-Feb-2012 13:27:02

Data File: \\Bufchrom\ChromData\HP5973V\20120411-10911.b\V8874.D

Injection Date:	12-Apr-2012 02:18:30	Limit Group:	MB - 8270C ICAL
Client ID:	RB-02 (6-12")	Instrument ID:	HP5973V
Lims Batch ID:	59155	Lims Sample ID:	16
Operator ID:	HL	Injection Vol:	1.00 ul
Column Type:	RXI-5Sil MS	Column Dia:	0.25 mm

220 Dibenz(a,h)anthracene

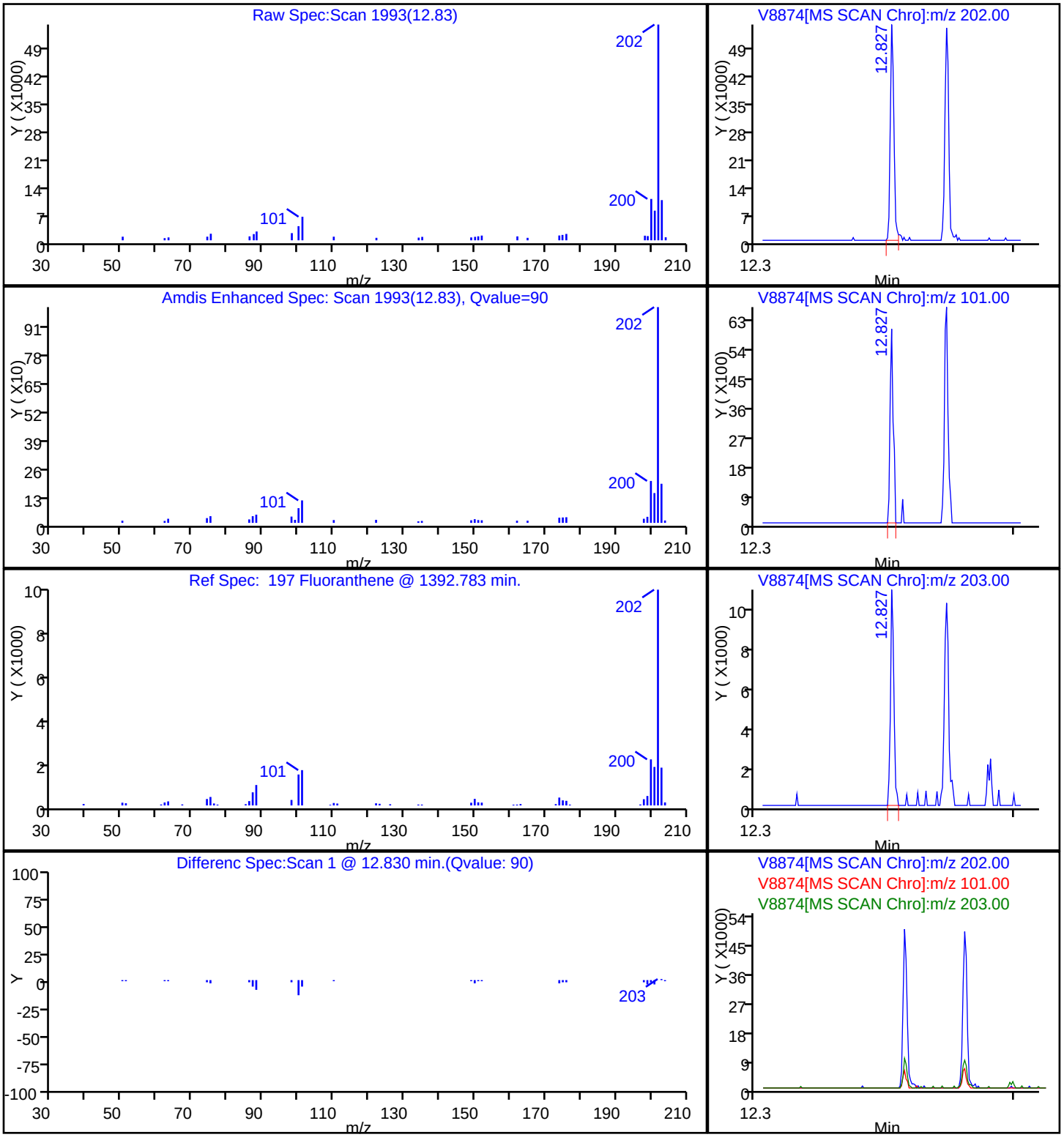


Report Date: 12-Apr-2012 11:13:38 Chrom Revision: 2.0 20-Feb-2012 13:27:02

Data File: \\Bufchrom\ChromData\HP5973V\20120411-10911.b\V8874.D

Injection Date:	12-Apr-2012 02:18:30	Limit Group:	MB - 8270C ICAL
Client ID:	RB-02 (6-12")	Instrument ID:	HP5973V
Lims Batch ID:	59155	Lims Sample ID:	16
Operator ID:	HL	Injection Vol:	1.00 ul
Column Type:	RXI-5Sil MS	Column Dia:	0.25 mm

197 Fluoranthene

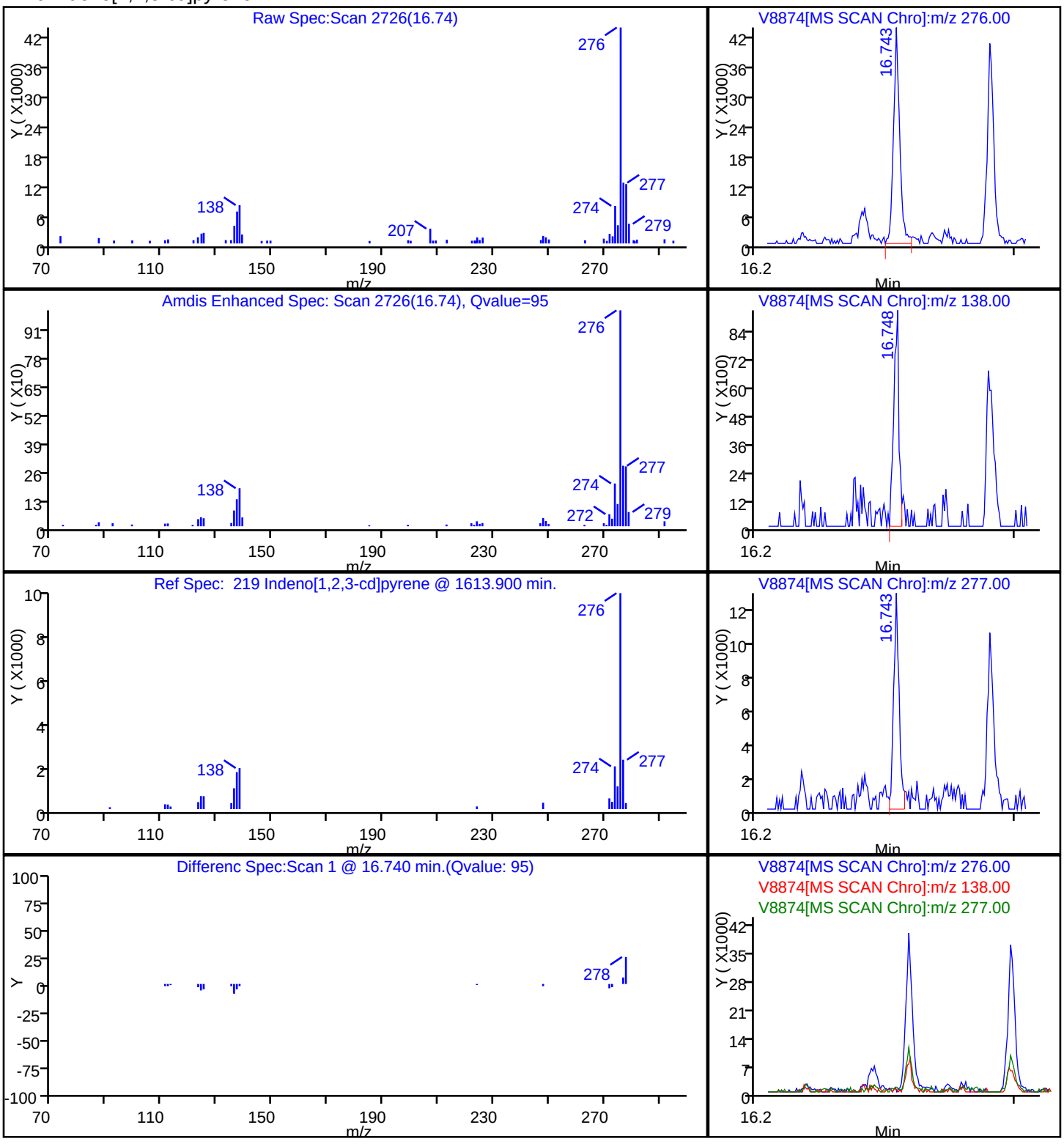


Report Date: 12-Apr-2012 11:13:38 Chrom Revision: 2.0 20-Feb-2012 13:27:02

Data File: \\Bufchrom\ChromData\HP5973V\20120411-10911.b\V8874.D

Injection Date:	12-Apr-2012 02:18:30	Limit Group:	MB - 8270C ICAL
Client ID:	RB-02 (6-12")	Instrument ID:	HP5973V
Lims Batch ID:	59155	Lims Sample ID:	16
Operator ID:	HL	Injection Vol:	1.00 ul
Column Type:	RXI-5Sil MS	Column Dia:	0.25 mm

219 Indeno[1,2,3-cd]pyrene

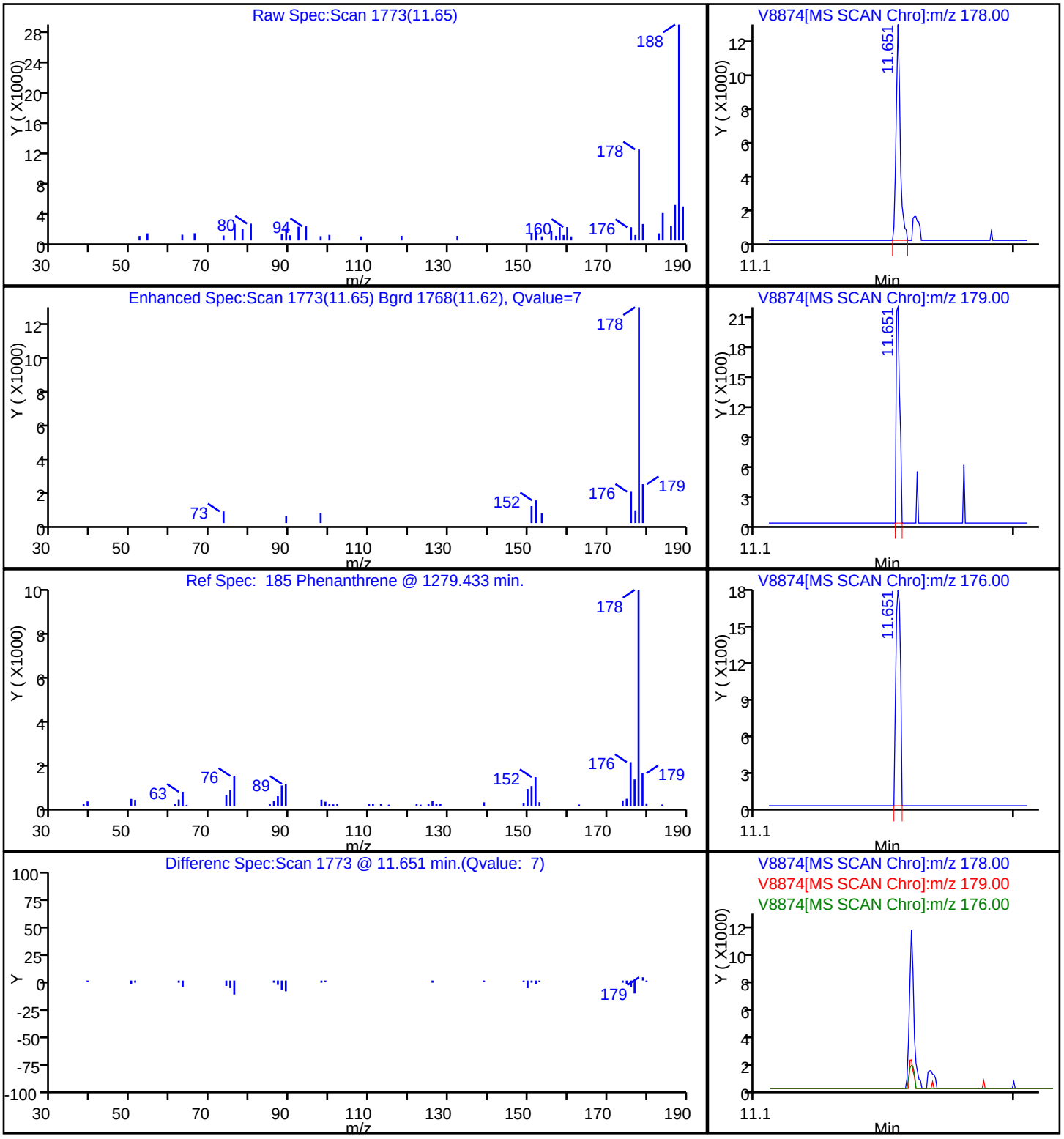


Report Date: 12-Apr-2012 11:13:38 Chrom Revision: 2.0 20-Feb-2012 13:27:02

Data File: \\Bufchrom\ChromData\HP5973V\20120411-10911.b\V8874.D

Injection Date:	12-Apr-2012 02:18:30	Limit Group:	MB - 8270C ICAL
Client ID:	RB-02 (6-12")	Instrument ID:	HP5973V
Lims Batch ID:	59155	Lims Sample ID:	16
Operator ID:	HL	Injection Vol:	1.00 ul
Column Type:	RXI-5Sil MS	Column Dia:	0.25 mm

185 Phenanthrene

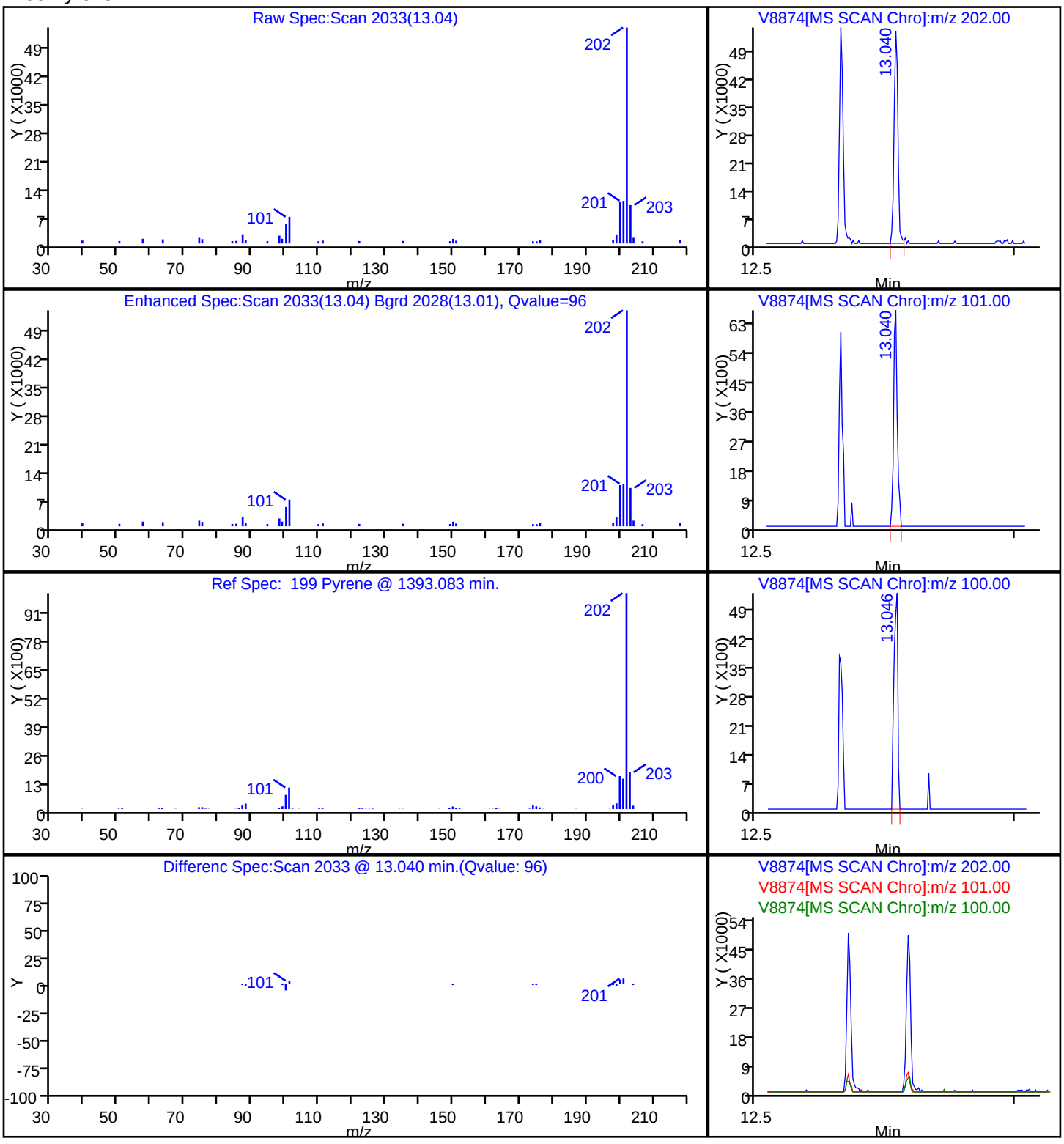


Report Date: 12-Apr-2012 11:13:38 Chrom Revision: 2.0 20-Feb-2012 13:27:02

Data File: \\Bufchrom\ChromData\HP5973V\20120411-10911.b\V8874.D

Injection Date:	12-Apr-2012 02:18:30	Limit Group:	MB - 8270C ICAL
Client ID:	RB-02 (6-12")	Instrument ID:	HP5973V
Lims Batch ID:	59155	Lims Sample ID:	16
Operator ID:	HL	Injection Vol:	1.00 ul
Column Type:	RXI-5Sil MS	Column Dia:	0.25 mm

199 Pyrene



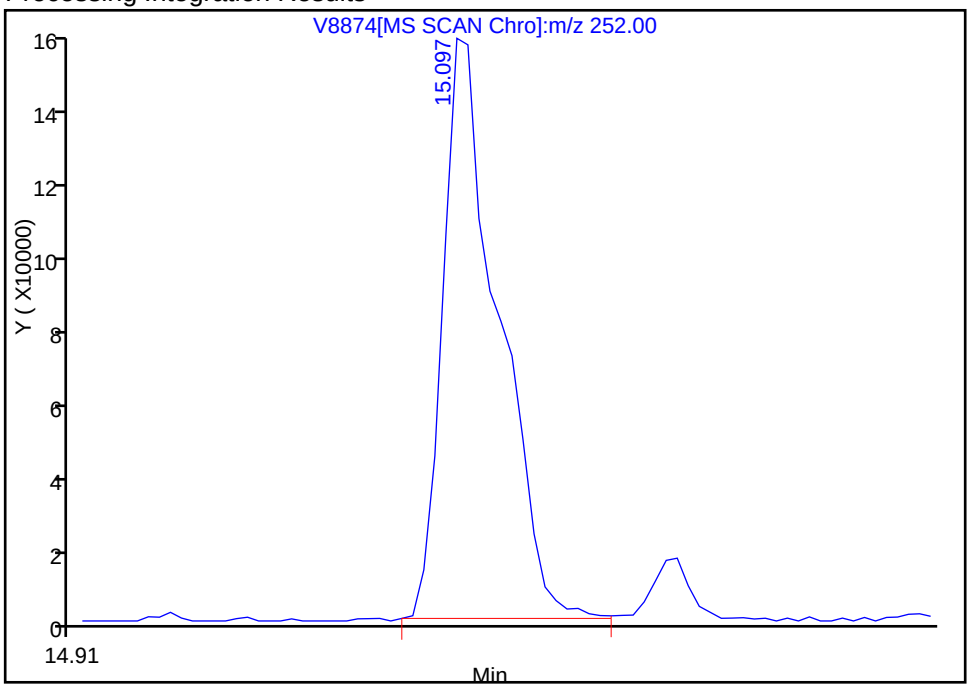
Manual Integration/User Assign Peak Report

Data File:	\\Bufchrom\ChromData\HP5973V\20120411-10911.b\V8874.D		
Injection Date:	12-Apr-2012 02:18:30	Limit Group:	MB - 8270C ICAL
Client ID:	RB-02 (6-12")	Instrument ID:	HP5973V
Lims Batch ID:	59155	Lims Sample ID:	16
Operator ID:	HL	Injection Vol:	1.00 ul
Column Type:	RXI-5Sil MS	Column Dia:	0.25 mm

213 Benzo[b]fluoranthene, Signal: 1, m/z: 252.0 Type: quant, RT: 15.10

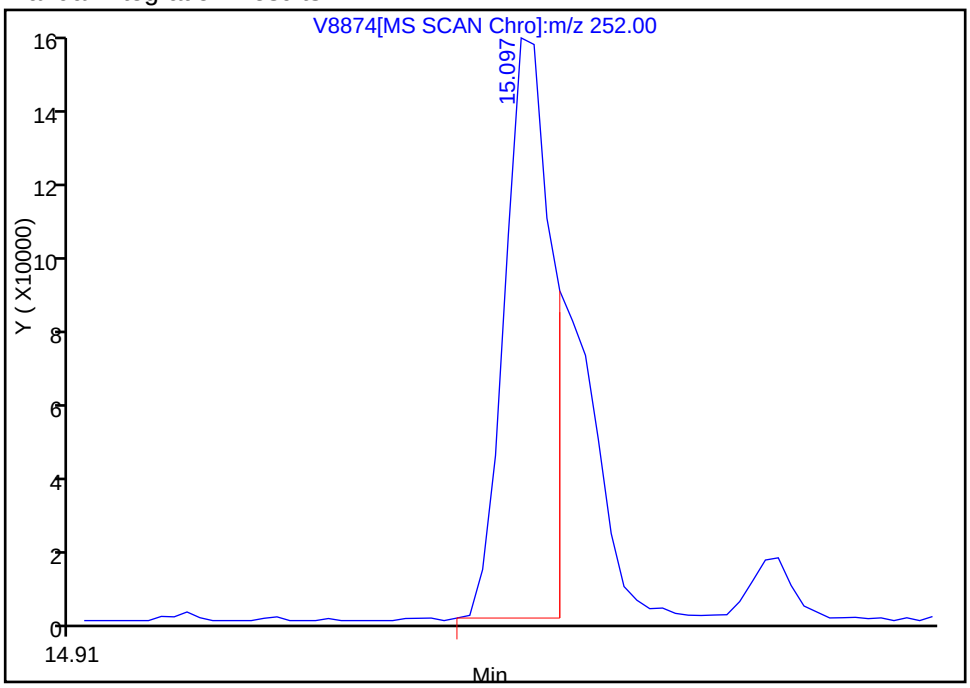
Processing Integration Results

RT: 15.10
Response: 295791
Amount: 18.779832



Manual Integration Results

RT: 15.10
Response: 216900
Amount: 13.771026



Reviewer: lyh, 12-Apr-2012 11:13:38
Audit Action: Split an Integrated Peak
Audit Reason: Coelution

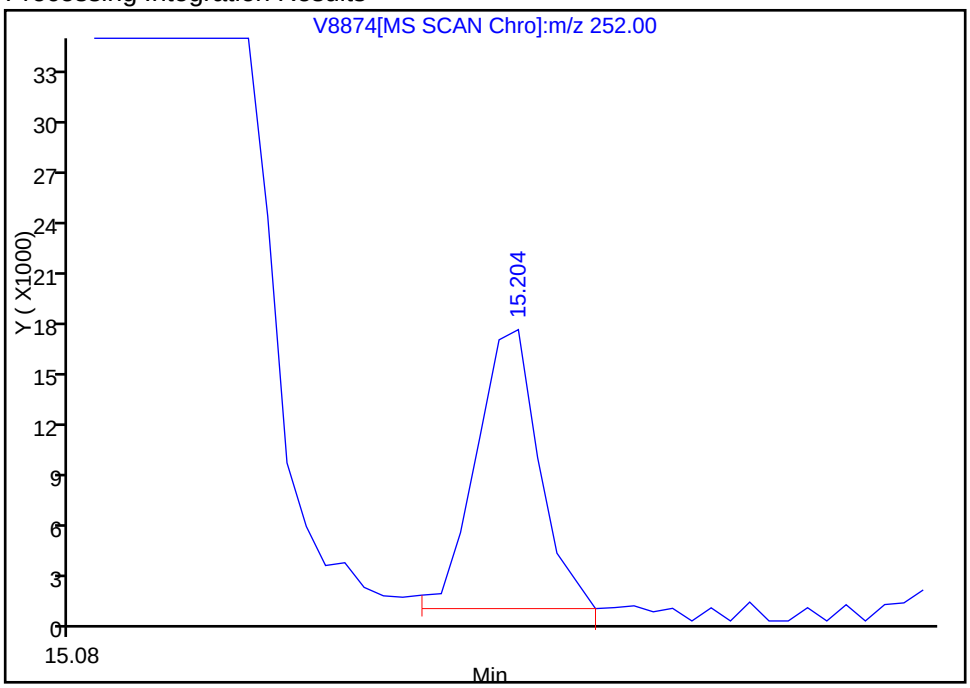
Manual Integration/User Assign Peak Report

Data File:	\\Bufchrom\ChromData\HP5973V\20120411-10911.b\V8874.D		
Injection Date:	12-Apr-2012 02:18:30	Limit Group:	MB - 8270C ICAL
Client ID:	RB-02 (6-12")	Instrument ID:	HP5973V
Lims Batch ID:	59155	Lims Sample ID:	16
Operator ID:	HL	Injection Vol:	1.00 ul
Column Type:	RXI-5Sil MS	Column Dia:	0.25 mm

214 Benzo[k]fluoranthene, Signal: 1, m/z: 252.0 Type: quant, RT: 15.13

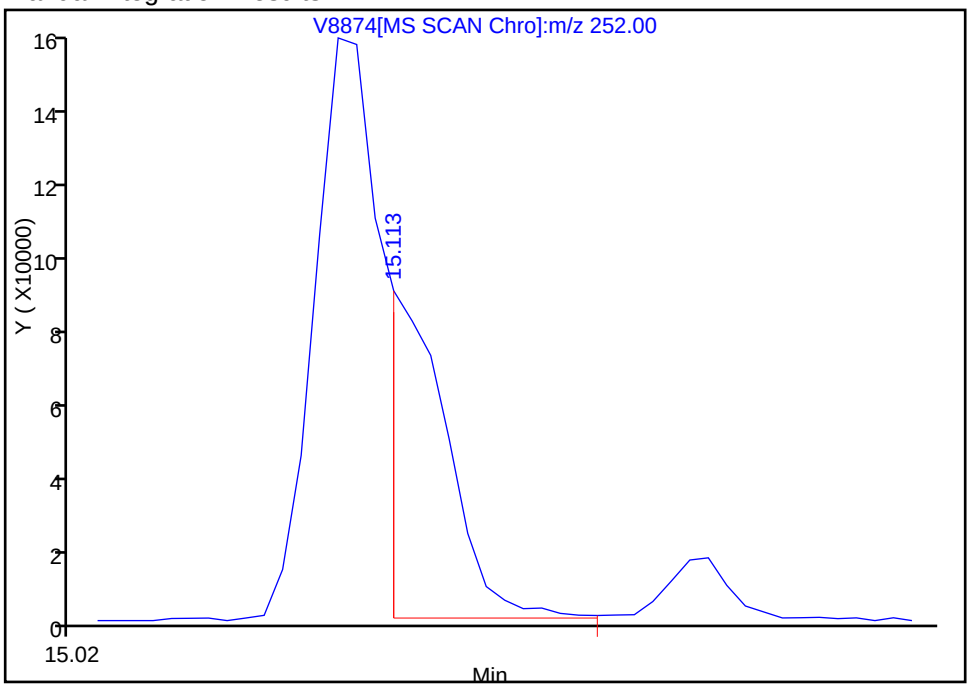
Processing Integration Results

RT: 15.20
Response: 19937
Amount: 1.103663



Manual Integration Results

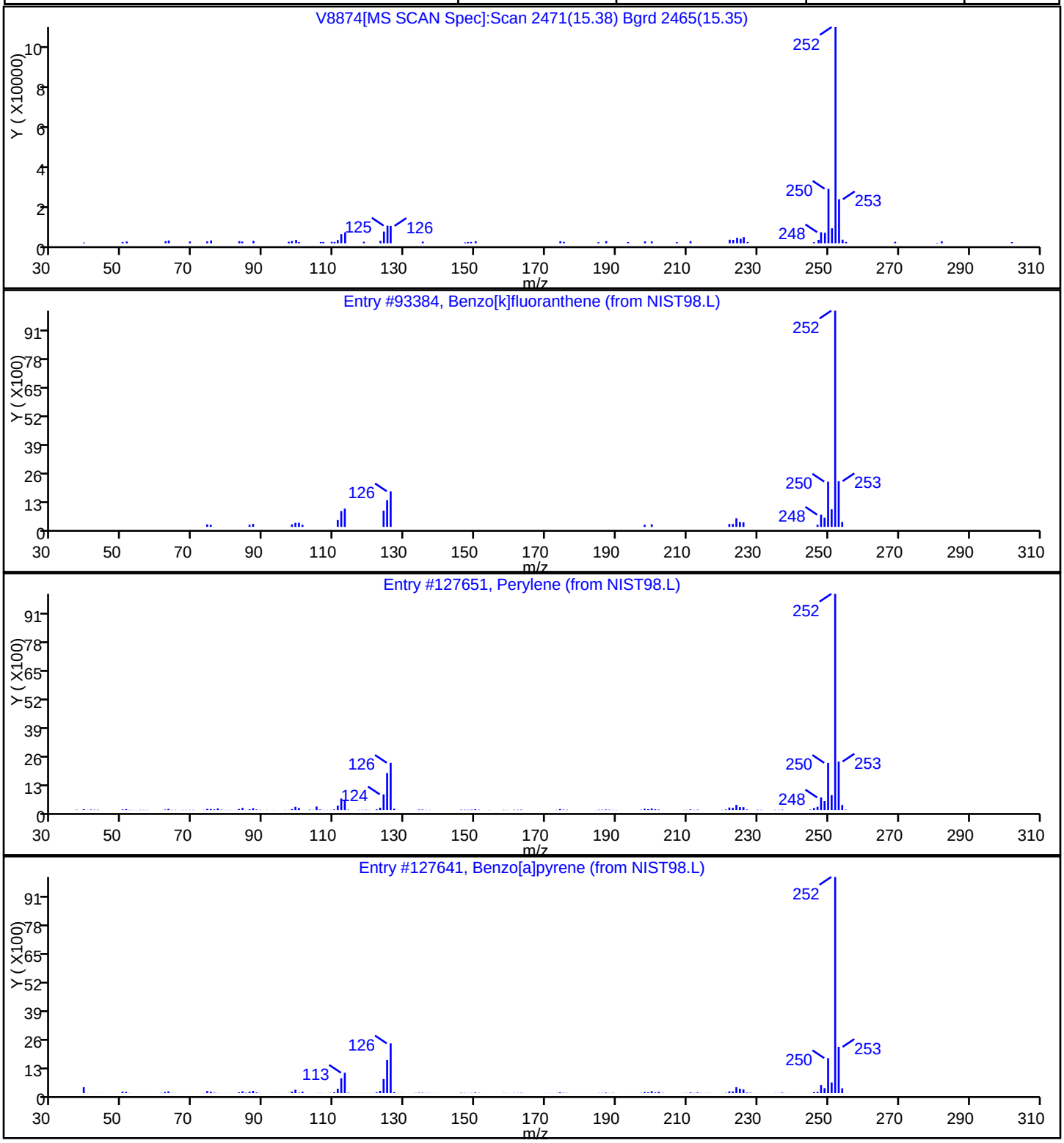
RT: 15.11
Response: 107544
Amount: 5.953369



Reviewer: lyh, 12-Apr-2012 11:13:38
Audit Action: Split an Integrated Peak
Audit Reason: Coelution

Report Date: 12-Apr-2012 11:13:38 Chrom Revision: 2.0 20-Feb-2012 13:27:02
Data File: \\Bufchrom\ChromData\HP5973V\20120411-10911.b\V8874.D
Injection Date: 12-Apr-2012 02:18:30 Limit Group: MB - 8270C ICAL
Client ID: RB-02 (6-12") Instrument ID: HP5973V
Lims Batch ID: 59155 Lims Sample ID: 16
Operator ID: HL 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
Perylene	198-55-0	NIST98.L	127651	90
Benzo[a]pyrene	50-32-8	NIST98.L	127641	90



FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Buffalo | Job No.: 480-18292-1

SDG No.:

Client Sample ID: RB-02 (12-24") | Lab Sample ID: 480-18292-10

Matrix: Solid | Lab File ID: V8875.D

Analysis Method: 8270C | Date Collected: 04/05/2012 16:50

Extract. Method: 3550B | Date Extracted: 04/10/2012 07:39

Sample wt/vol: +30.34(g) | Date Analyzed: 04/12/2012 02:43

Con. Extract Vol.: 1(mL) | Dilution Factor: 20

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

% Moisture: 11.3 | GPC Cleanup:(Y/N) N

Analysis Batch No.: 59155 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
95-95-4	2,4,5-Trichlorophenol	ND		3800	820
88-06-2	2,4,6-Trichlorophenol	ND		3800	250
120-83-2	2,4-Dichlorophenol	ND		3800	200
105-67-9	2,4-Dimethylphenol	ND		3800	1000
51-28-5	2,4-Dinitrophenol	ND		7400	1300
121-14-2	2,4-Dinitrotoluene	ND		3800	580
606-20-2	2,6-Dinitrotoluene	ND		3800	920
91-58-7	2-Chloronaphthalene	ND		3800	250
95-57-8	2-Chlorophenol	ND		3800	190
91-57-6	2-Methylnaphthalene	ND		3800	46
95-48-7	2-Methylphenol	ND		3800	120
88-74-4	2-Nitroaniline	ND		7400	1200
88-75-5	2-Nitrophenol	ND		3800	170
91-94-1	3,3'-Dichlorobenzidine	ND		3800	3300
99-09-2	3-Nitroaniline	ND		7400	870
534-52-1	4,6-Dinitro-2-methylphenol	ND		7400	1300
101-55-3	4-Bromophenyl phenyl ether	ND		3800	1200
59-50-7	4-Chloro-3-methylphenol	ND		3800	150
106-47-8	4-Chloroaniline	ND		3800	1100
7005-72-3	4-Chlorophenyl phenyl ether	ND		3800	80
106-44-5	4-Methylphenol	ND		7400	210
100-01-6	4-Nitroaniline	ND		7400	420
100-02-7	4-Nitrophenol	ND		7400	910
83-32-9	Acenaphthene	ND		3800	44
208-96-8	Acenaphthylene	ND		3800	31
98-86-2	Acetophenone	ND		3800	190
120-12-7	Anthracene	ND		3800	96
1912-24-9	Atrazine	ND		3800	170
100-52-7	Benzaldehyde	ND		3800	410
56-55-3	Benzo(a)anthracene	3200	J	3800	65
50-32-8	Benzo(a)pyrene	5100		3800	91
205-99-2	Benzo(b)fluoranthene	10000		3800	73
191-24-2	Benzo(g,h,i)perylene	3300	J	3800	45
207-08-9	Benzo(k)fluoranthene	2900	J	3800	41

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Buffalo | Job No.: 480-18292-1

SDG No.:

Client Sample ID: RB-02 (12-24") | Lab Sample ID: 480-18292-10

Matrix: Solid | Lab File ID: V8875.D

Analysis Method: 8270C | Date Collected: 04/05/2012 16:50

Extract. Method: 3550B | Date Extracted: 04/10/2012 07:39

Sample wt/vol: +30.34(g) | Date Analyzed: 04/12/2012 02:43

Con. Extract Vol.: 1(mL) | Dilution Factor: 20

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

% Moisture: 11.3 | GPC Cleanup:(Y/N) N

Analysis Batch No.: 59155 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
92-52-4	Biphenyl	ND		3800	230
108-60-1	bis (2-chloroisopropyl) ether	ND		3800	390
111-91-1	Bis(2-chloroethoxy)methane	ND		3800	200
111-44-4	Bis(2-chloroethyl)ether	ND		3800	320
117-81-7	Bis(2-ethylhexyl) phthalate	ND		3800	1200
85-68-7	Butyl benzyl phthalate	ND		3800	1000
105-60-2	Caprolactam	ND		3800	1600
86-74-8	Carbazole	ND		3800	44
218-01-9	Chrysene	4700		3800	38
53-70-3	Dibenz(a,h)anthracene	3200	J	3800	44
132-64-9	Dibenzofuran	ND		3800	39
84-66-2	Diethyl phthalate	ND		3800	110
131-11-3	Dimethyl phthalate	ND		3800	98
84-74-2	Di-n-butyl phthalate	ND		3800	1300
117-84-0	Di-n-octyl phthalate	ND		3800	88
206-44-0	Fluoranthene	2700	J	3800	55
86-73-7	Fluorene	ND		3800	87
118-74-1	Hexachlorobenzene	ND		3800	190
87-68-3	Hexachlorobutadiene	ND		3800	190
77-47-4	Hexachlorocyclopentadiene	ND		3800	1100
67-72-1	Hexachloroethane	ND		3800	290
193-39-5	Indeno(1,2,3-cd)pyrene	2900	J	3800	100
78-59-1	Isophorone	ND		3800	190
91-20-3	Naphthalene	ND		3800	63
98-95-3	Nitrobenzene	ND		3800	170
621-64-7	N-Nitrosodi-n-propylamine	ND		3800	300
86-30-6	N-Nitrosodiphenylamine	ND		3800	210
87-86-5	Pentachlorophenol	ND		7400	1300
85-01-8	Phenanthrene	850	J	3800	79
108-95-2	Phenol	ND		3800	400
129-00-0	Pyrene	2300	J	3800	24

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Buffalo | Job No.: 480-18292-1

SDG No.:

Client Sample ID: RB-02 (12-24") | Lab Sample ID: 480-18292-10

Matrix: Solid | Lab File ID: V8875.D

Analysis Method: 8270C | Date Collected: 04/05/2012 16:50

Extract. Method: 3550B | Date Extracted: 04/10/2012 07:39

Sample wt/vol: +30.34(g) | Date Analyzed: 04/12/2012 02:43

Con. Extract Vol.: 1(mL) | Dilution Factor: 20

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

% Moisture: 11.3 | GPC Cleanup:(Y/N) N

Analysis Batch No.: 59155 | Units: ug/Kg

CAS NO.	SURROGATE	%REC	Q	LIMITS
118-79-6	2,4,6-Tribromophenol	67		39-146
321-60-8	2-Fluorobiphenyl	85		37-120
367-12-4	2-Fluorophenol	68		18-120
4165-60-0	Nitrobenzene-d5	65		34-132
4165-62-2	Phenol-d5	62		11-120
1718-51-0	p-Terphenyl-d14	97		65-153

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

Lab Name: TestAmerica Buffalo | Job No.: 480-18292-1

SDG No.:

Client Sample ID: RB-02 (12-24") | Lab Sample ID: 480-18292-10

Matrix: Solid | Lab File ID: V8875.D

Analysis Method: 8270C | Date Collected: 04/05/2012 16:50

Extract. Method: 3550B | Date Extracted: 04/10/2012 07:39

Sample wt/vol: +30.34(g) | Date Analyzed: 04/12/2012 02:43

Con. Extract Vol.: 1(mL) | Dilution Factor: 20

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

% Moisture: 11.3 | GPC Cleanup:(Y/N) N

Analysis Batch No.: 59155 | Units: ug/Kg

Number TICs Found: 1 | TIC Result Total: 5400

CAS NO.	COMPOUND NAME	RT	RESULT	Q
192-97-2	Benzo[e]pyrene	15.38	5400	T J N

TestAmerica Laboratories
Target Compound Quantitation Report

Data File:	\\Bufchrom\ChromData\HP5973V\20120411-10911.b\V8875.D		
Lims ID:	480-18292-B-10-A	Client ID:	RB-02 (12-24")
Inject. Date:	12-Apr-2012 02:43:30	Dil. Factor:	20.0000
Sample Type:	Client		
Sample ID:	480-0010911-017		
Misc. Info.:	480-18292-B-10-A		
Operator:	HL	Instrument ID:	HP5973V
Vol. Injected:	1.0000	ALS Bottle#:	40
Lims Batch ID:	59155	Lims Sample ID:	17
Detector:	MS SCAN		
Method:	\\Bufchrom\ChromData\HP5973V\20120411-10911.b\V-8270.m		
Last Update:	12-Apr-2012 11:25:23	Calib Date:	09-Apr-2012 16:15:30
Quant Method:	Internal Standard	Quant By:	Initial Calibration
Last ICal File:	\\Bufchrom\ChromData\HP5973V\20120409-10827.b\V8763.D		
Limit Group:	MB - 8270C ICAL		
Integrator:	RTE	ID Type:	Deconvolution ID
Process Host:	CORP-CTX-19		
First Level Reviewer: lyh		Date:	12-Apr-2012 11:25:23

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ng/uL	Flags
* 1 1,4-Dichlorobenzene-d4	152	6.016	6.005	0.011	96	122761	40.0	
* 2 Naphthalene-d8	136	7.666	7.661	0.005	99	473270	40.0	
* 3 Acenaphthene-d10	164	9.926	9.926	0.0	90	282554	40.0	
* 4 Phenanthrene-d10	188	11.625	11.625	0.0	97	496104	40.0	
* 5 Chrysene-d12	240	14.114	14.120	-0.006	97	551617	40.0	
* 6 Perylene-d12	264	15.498	15.498	0.0	99	548889	40.0	
$ 9 2-Fluorophenol	112	4.327	4.317	0.010	34	21619	5.12	
$ 10 Phenol-d5	99	5.545	5.535	0.010	47	26066	4.65	
$ 11 Nitrobenzene-d5	82	6.742	6.737	0.005	52	16245	3.23	
$ 12 2-Fluorobiphenyl	172	9.077	9.066	0.011	78	37864	4.26	
$ 13 2,4,6-Tribromophenol	330	10.893	10.877	0.016	1	5027	5.04	
$ 14 p-Terphenyl-d14	244	13.169	13.169	0.0	85	58138	4.85	
88 Benzaldehyde	77		5.444					
89 Phenol	94		5.551					
91 Bis(2-chloroethyl)ether	93		5.668					
93 2-Chlorophenol	128		5.732					
98 2-Methylphenol	108		6.341					
99 2,2'-oxybis[1-chloropropane]	45		6.368					
104 Acetophenone	105		6.539					
101 N-Nitrosodi-n-propylamine	70		6.544					
102 4-Methylphenol	108		6.550					
106 Hexachloroethane	117		6.662					
107 Nitrobenzene	77		6.758					
110 Isophorone	82		7.073					
111 2-Nitrophenol	139		7.175					
112 2,4-Dimethylphenol	107		7.244					
115 Bis(2-chloroethoxy)methane	93		7.362					
117 2,4-Dichlorophenol	162		7.490					
121 Naphthalene	128		7.693					
123 4-Chloroaniline	127		7.778					
126 Hexachlorobutadiene	225		7.853					

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ng/uL	Flags
127 Caprolactam	113		8.222					
131 4-Chloro-3-methylphenol	107		8.414					
133 2-Methylnaphthalene	142		8.590					
136 Hexachlorocyclopentadiene	237		8.788					
139 2,4,6-Trichlorophenol	196		8.959					
140 2,4,5-Trichlorophenol	196		9.012					
144 1,1'-Biphenyl	154		9.194					
143 2-Chloronaphthalene	162		9.215					
145 2-Nitroaniline	65		9.370					
147 Dimethyl phthalate	163		9.605					
148 2,6-Dinitrotoluene	165		9.686					
149 Acenaphthylene	152		9.750					
150 3-Nitroaniline	138		9.910					
151 Acenaphthene	153		9.969					
152 2,4-Dinitrophenol	184		10.044					
153 4-Nitrophenol	109		10.150					
155 Dibenzofuran	168		10.182					
154 2,4-Dinitrotoluene	165		10.193					
160 Diethyl phthalate	149		10.482					
161 Fluorene	166		10.594					
162 4-Chlorophenyl phenyl ether	204		10.599					
164 4-Nitroaniline	138		10.653					
166 4,6-Dinitro-2-methylphenol	198		10.679					
167 N-Nitrosodiphenylamine	169		10.743					
176 4-Bromophenyl phenyl ether	248		11.149					
177 Hexachlorobenzene	284		11.213					
180 Atrazine	200		11.347					
181 Pentachlorophenol	266		11.433					
185 Phenanthrene	178	11.652	11.652	0.0	19	15265	1.14	
188 Anthracene	178		11.705					
189 Carbazole	167		11.881					
192 Di-n-butyl phthalate	149		12.218					
197 Fluoranthene	202	12.827	12.827	0.0	89	52830	3.62	
199 Pyrene	202	13.041	13.041	0.0	96	50629	3.12	
205 Butyl benzyl phthalate	149		13.596					
210 Bis(2-ethylhexyl) phthalate	149		14.077					
208 3,3'-Dichlorobenzidine	252		14.082					
209 Benzo[a]anthracene	228	14.109	14.109	0.0	86	65414	4.26	
211 Chrysene	228	14.136	14.146	-0.010	84	100035	6.39	
212 Di-n-octyl phthalate	149		14.643					
213 Benzo[b]fluoranthene	252	15.097	15.103	-0.006	90	215430	13.8	M
214 Benzo[k]fluoranthene	252	15.124	15.135	-0.011	97	69173	3.85	M
217 Benzo[a]pyrene	252	15.434	15.439	-0.005	63	93336	6.82	
219 Indeno[1,2,3-cd]pyrene	276	16.743	16.759	-0.016	92	57833	3.94	
220 Dibenz(a,h)anthracene	278	16.748	16.764	-0.016	1	19514	4.32	
221 Benzo[g,h,i]perylene	276	17.106	17.122	-0.016	81	54408	4.46	

QC Flag Legend

Review Flags
M - Manually Integrated

TestAmerica Laboratories
Tentatively Identified Quantitation Report

Data File:	\\Bufchrom\ChromData\HP5973V\20120411-10911.b\V8875.D		
Lims ID:	480-18292-B-10-A	Client ID:	RB-02 (12-24")
Inject. Date:	12-Apr-2012 02:43:30	Dil. Factor:	20.0000
Sample Type:	Client		
Sample ID:	480-0010911-017		
Misc. Info.:	480-18292-B-10-A		
Operator:	HL	Instrument ID:	HP5973V
Vol. Injected:	1.0000	ALS Bottle#:	40
Lims Batch ID:	59155	Lims Sample ID:	17
Detector:	MS SCAN		
Method:	\\Bufchrom\ChromData\HP5973V\20120411-10911.b\V-8270.m		
Last Update:	12-Apr-2012 11:25:23	Calib Date:	09-Apr-2012 16:15:30
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: lyh		Date:	12-Apr-2012 11:25:23

Tentative Identified Compound Results

RT	Response	Amount ng/uL	Quant Cpnd	Qual	Lib Entry	Flags
	192-97-2	Benzo[e]pyrene				
15.381	272969	7.22	6	91	127650	

Quantitation Compounds

Compound	RT	Response	Amount ng/uL
* 6 Perylene-d12	15.498	1511828	40.0

QC Flag Legend

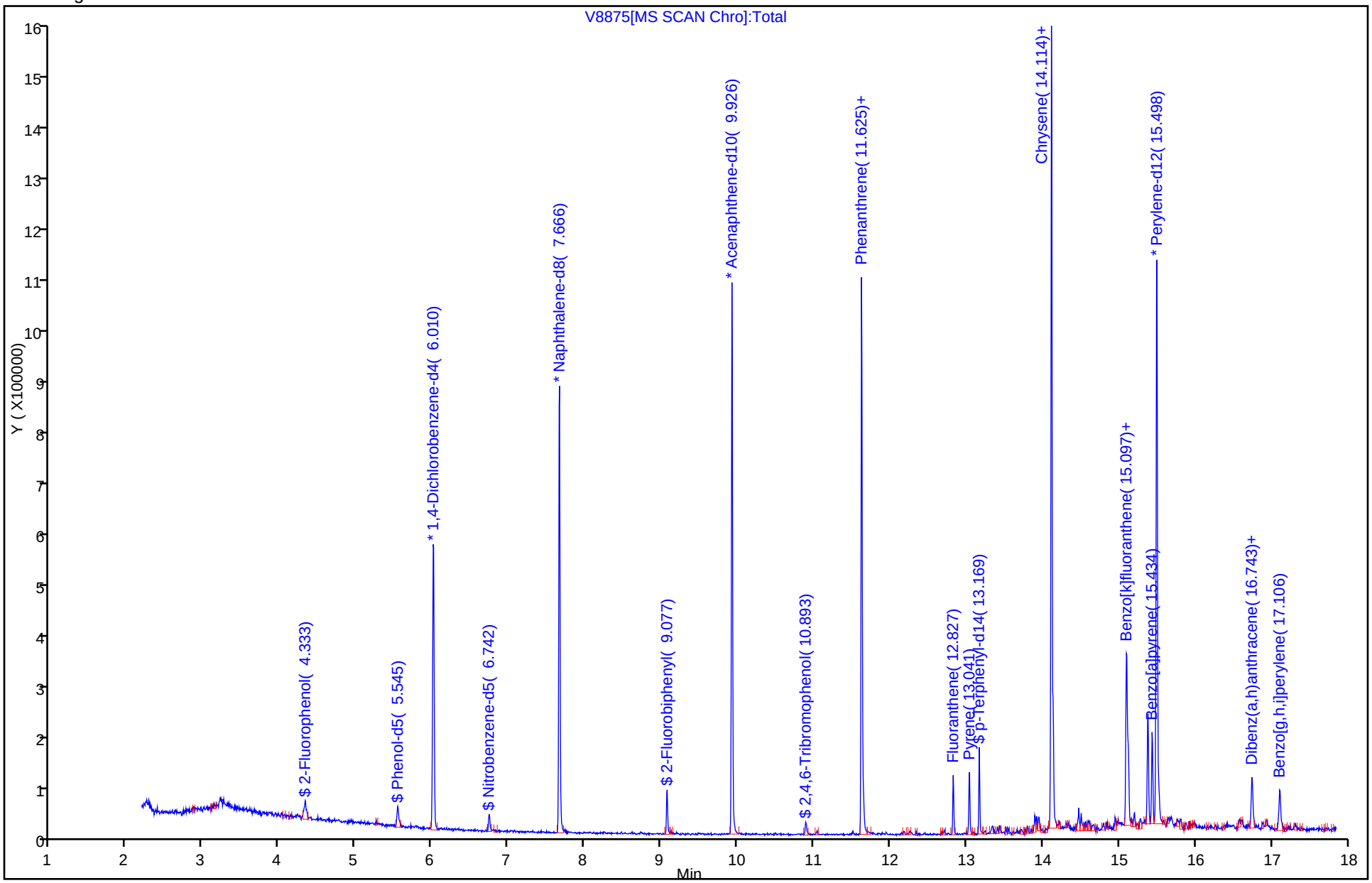
Processing Flags

Report Date: 12-Apr-2012 11:25:23 Chrom Revision: 2.0 20-Feb-2012 13:27:02

Data File: \\Bufchrom\ChromData\HP5973V\20120411-10911.b\V8875.D

Injection Date:	12-Apr-2012 02:43:30	Limit Group:	MB - 8270C ICAL
Client ID:	RB-02 (12-24")	Instrument ID:	HP5973V
Lims Batch ID:	59155	Lims Sample ID:	17
Operator ID:	HL	Injection Vol:	1.00 ul
Column Type:	RXI-5Sil MS	Column Dia:	0.25 mm

Y Scaling:

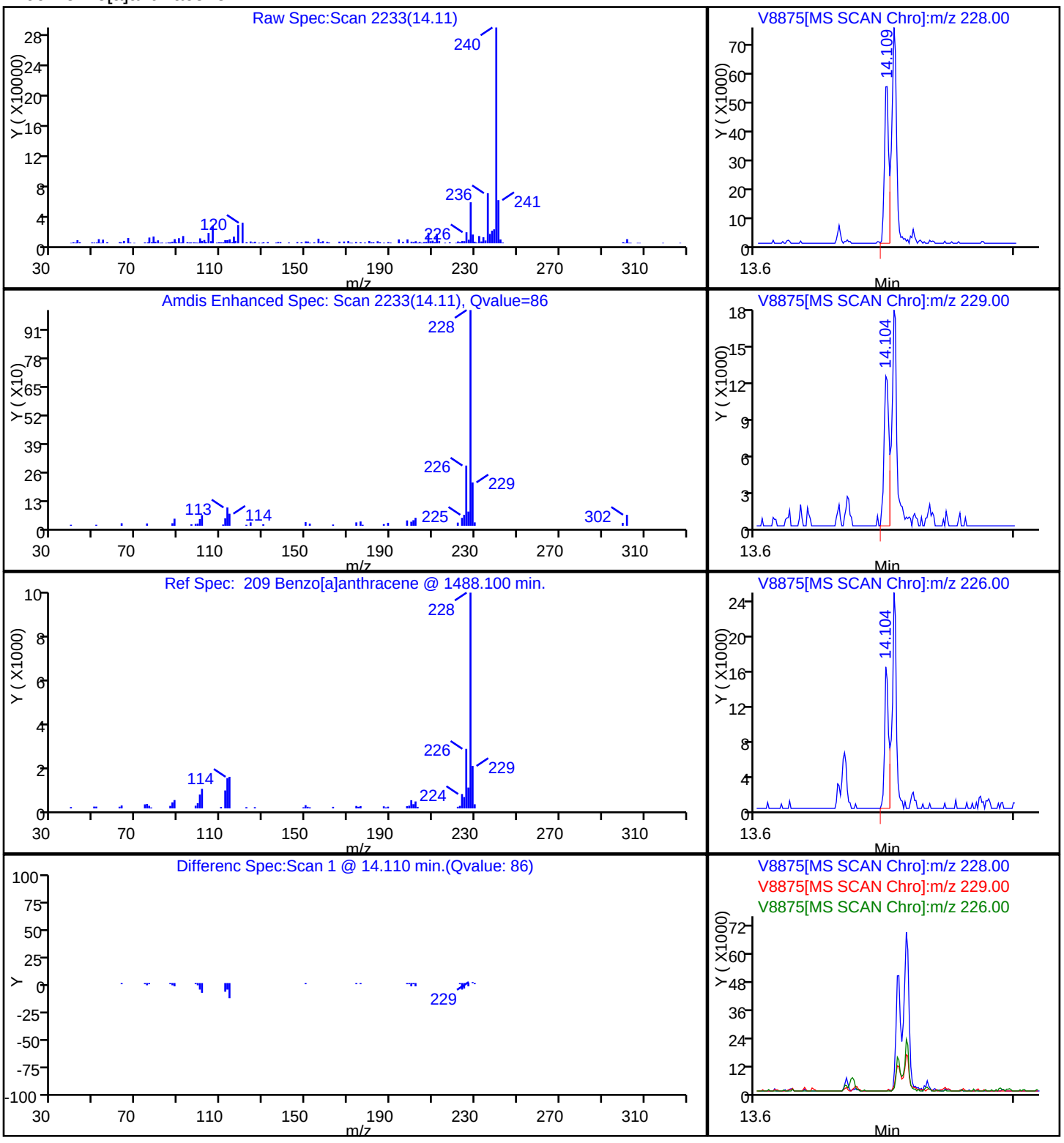


Report Date: 12-Apr-2012 11:25:23 Chrom Revision: 2.0 20-Feb-2012 13:27:02

Data File: \\Bufchrom\ChromData\HP5973V\20120411-10911.b\V8875.D

Injection Date:	12-Apr-2012 02:43:30	Limit Group:	MB - 8270C ICAL
Client ID:	RB-02 (12-24")	Instrument ID:	HP5973V
Lims Batch ID:	59155	Lims Sample ID:	17
Operator ID:	HL	Injection Vol:	1.00 ul
Column Type:	RXI-5Sil MS	Column Dia:	0.25 mm

209 Benzo[a]anthracene

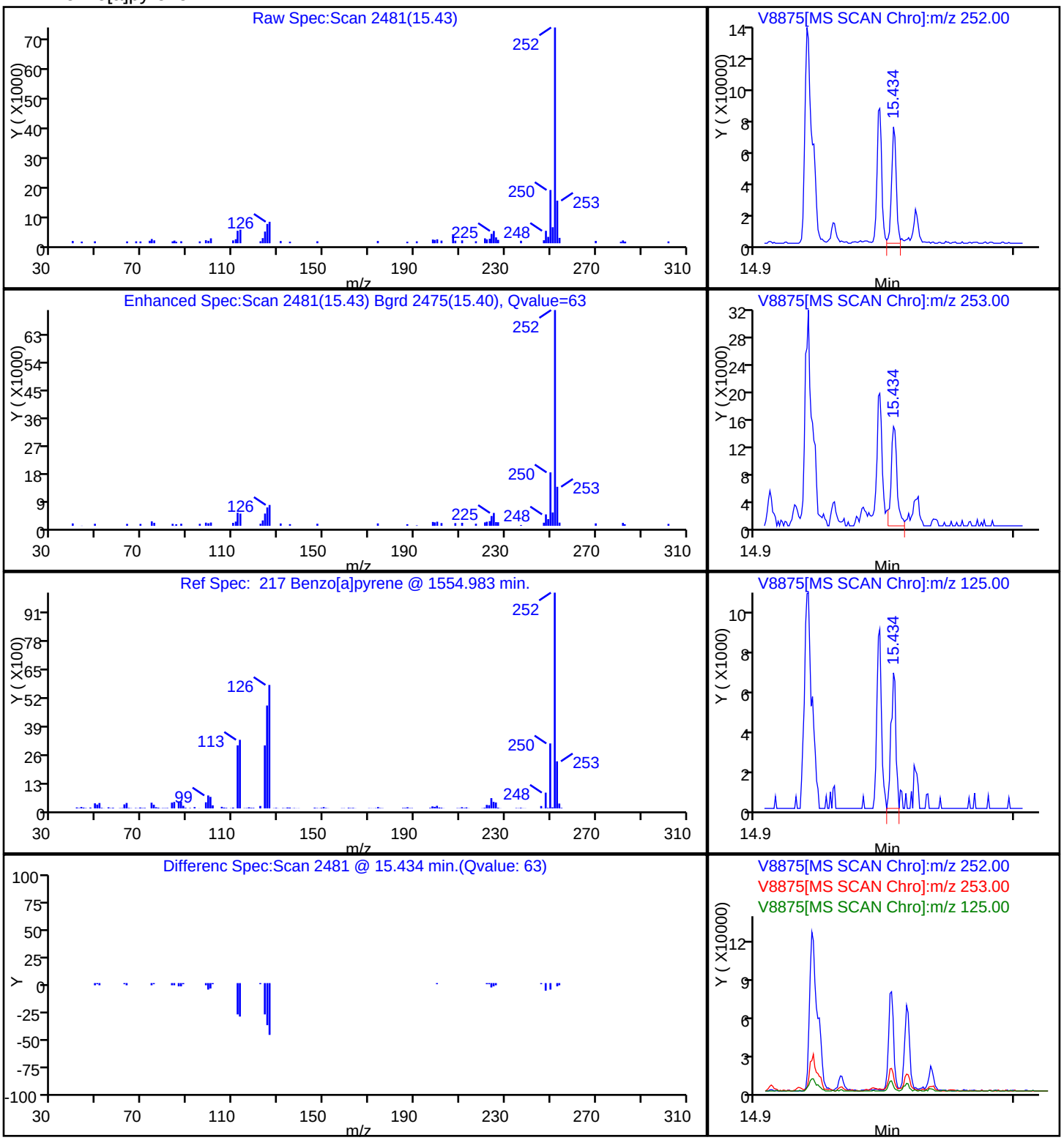


Report Date: 12-Apr-2012 11:25:24 Chrom Revision: 2.0 20-Feb-2012 13:27:02

Data File: \\Bufchrom\ChromData\HP5973V\20120411-10911.b\V8875.D

Injection Date:	12-Apr-2012 02:43:30	Limit Group:	MB - 8270C ICAL
Client ID:	RB-02 (12-24")	Instrument ID:	HP5973V
Lims Batch ID:	59155	Lims Sample ID:	17
Operator ID:	HL	Injection Vol:	1.00 ul
Column Type:	RXI-5Sil MS	Column Dia:	0.25 mm

217 Benzo[a]pyrene

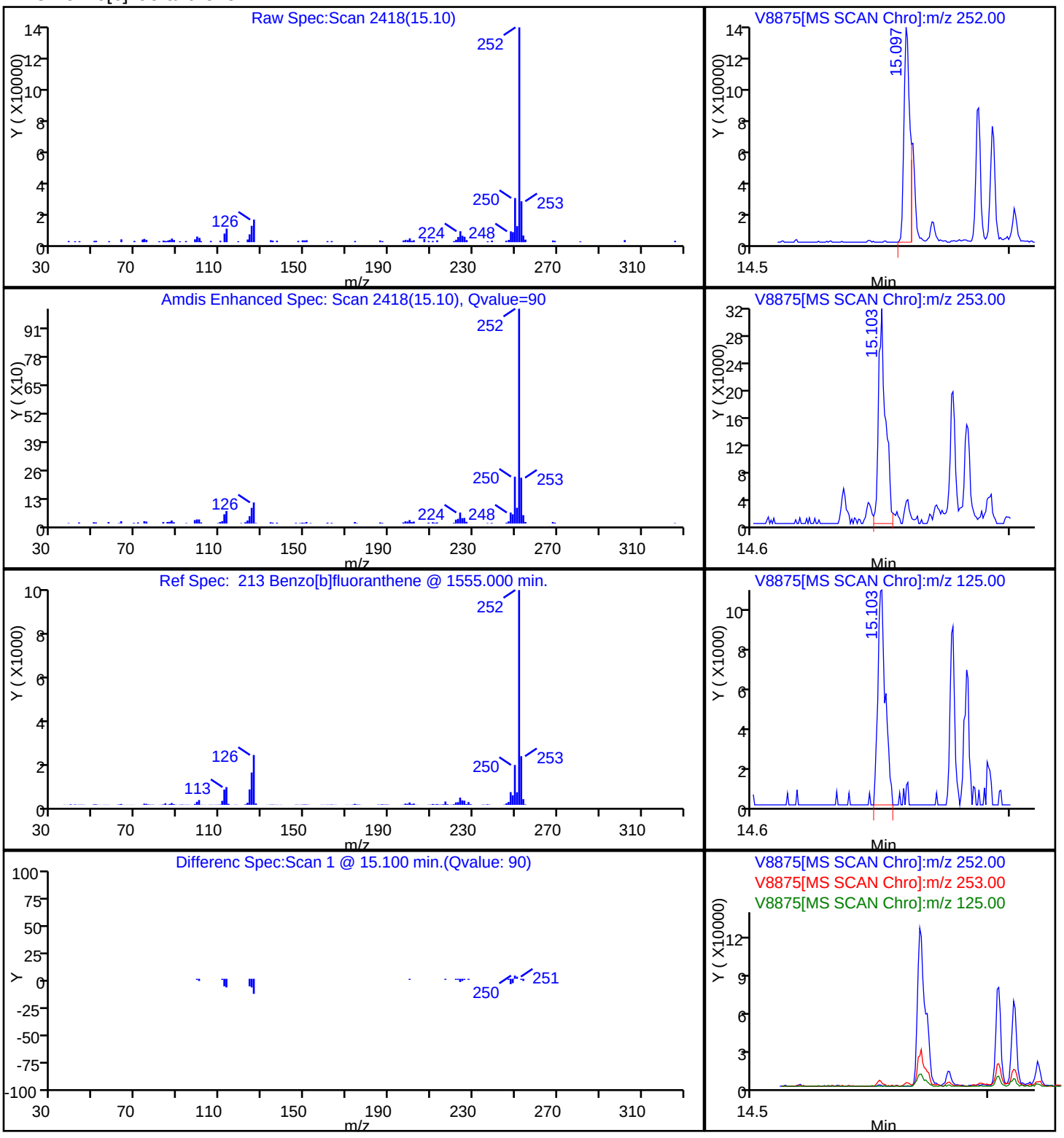


Report Date: 12-Apr-2012 11:25:23 Chrom Revision: 2.0 20-Feb-2012 13:27:02

Data File: \\Bufchrom\ChromData\HP5973V\20120411-10911.b\V8875.D

Injection Date:	12-Apr-2012 02:43:30	Limit Group:	MB - 8270C ICAL
Client ID:	RB-02 (12-24")	Instrument ID:	HP5973V
Lims Batch ID:	59155	Lims Sample ID:	17
Operator ID:	HL	Injection Vol:	1.00 ul
Column Type:	RXI-5Sil MS	Column Dia:	0.25 mm

213 Benzo[b]fluoranthene

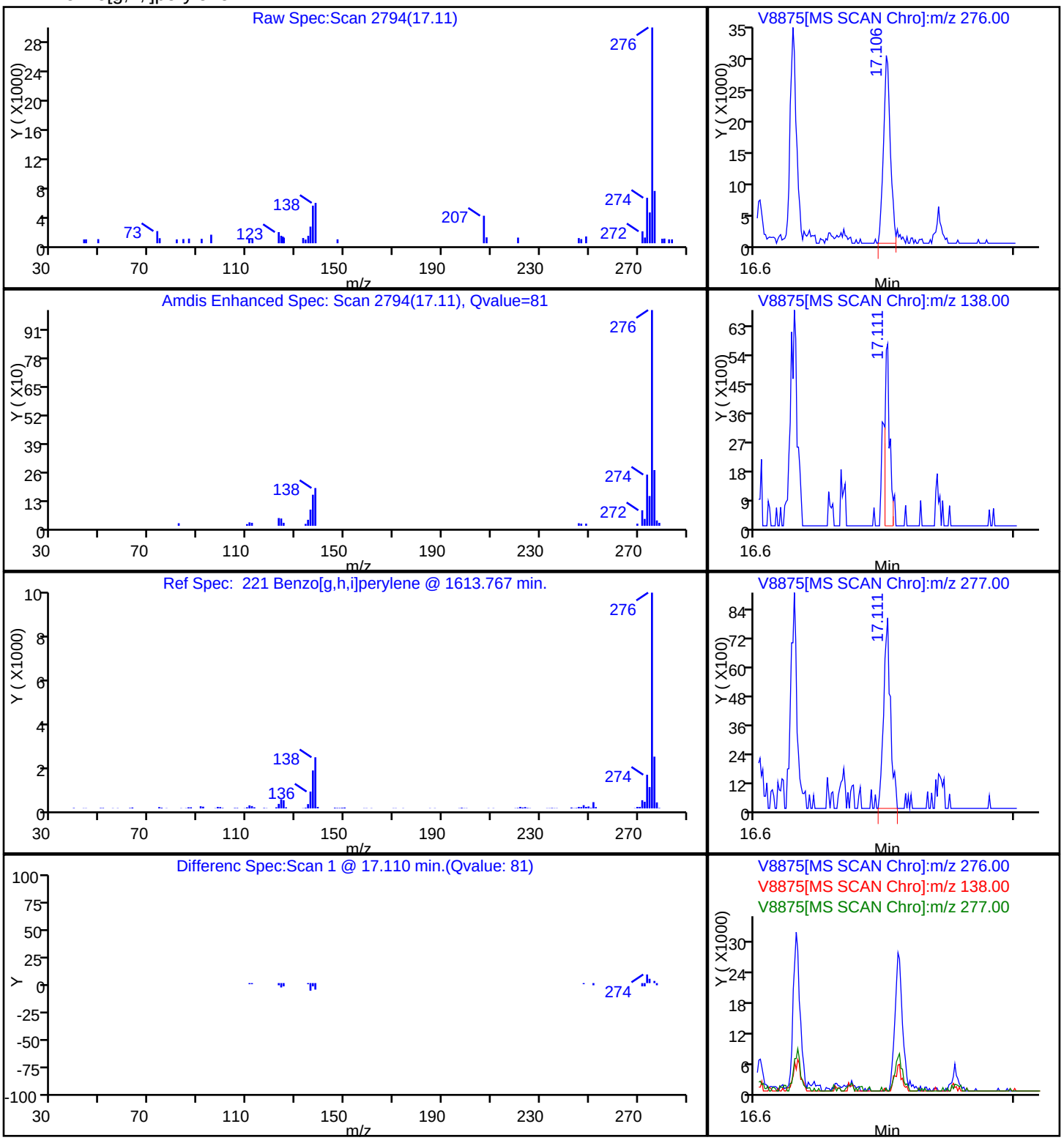


Report Date: 12-Apr-2012 11:25:24 Chrom Revision: 2.0 20-Feb-2012 13:27:02

Data File: \\Bufchrom\ChromData\HP5973V\20120411-10911.b\V8875.D

Injection Date:	12-Apr-2012 02:43:30	Limit Group:	MB - 8270C ICAL
Client ID:	RB-02 (12-24")	Instrument ID:	HP5973V
Lims Batch ID:	59155	Lims Sample ID:	17
Operator ID:	HL	Injection Vol:	1.00 ul
Column Type:	RXI-5Sil MS	Column Dia:	0.25 mm

221 Benzo[g,h,i]perylene

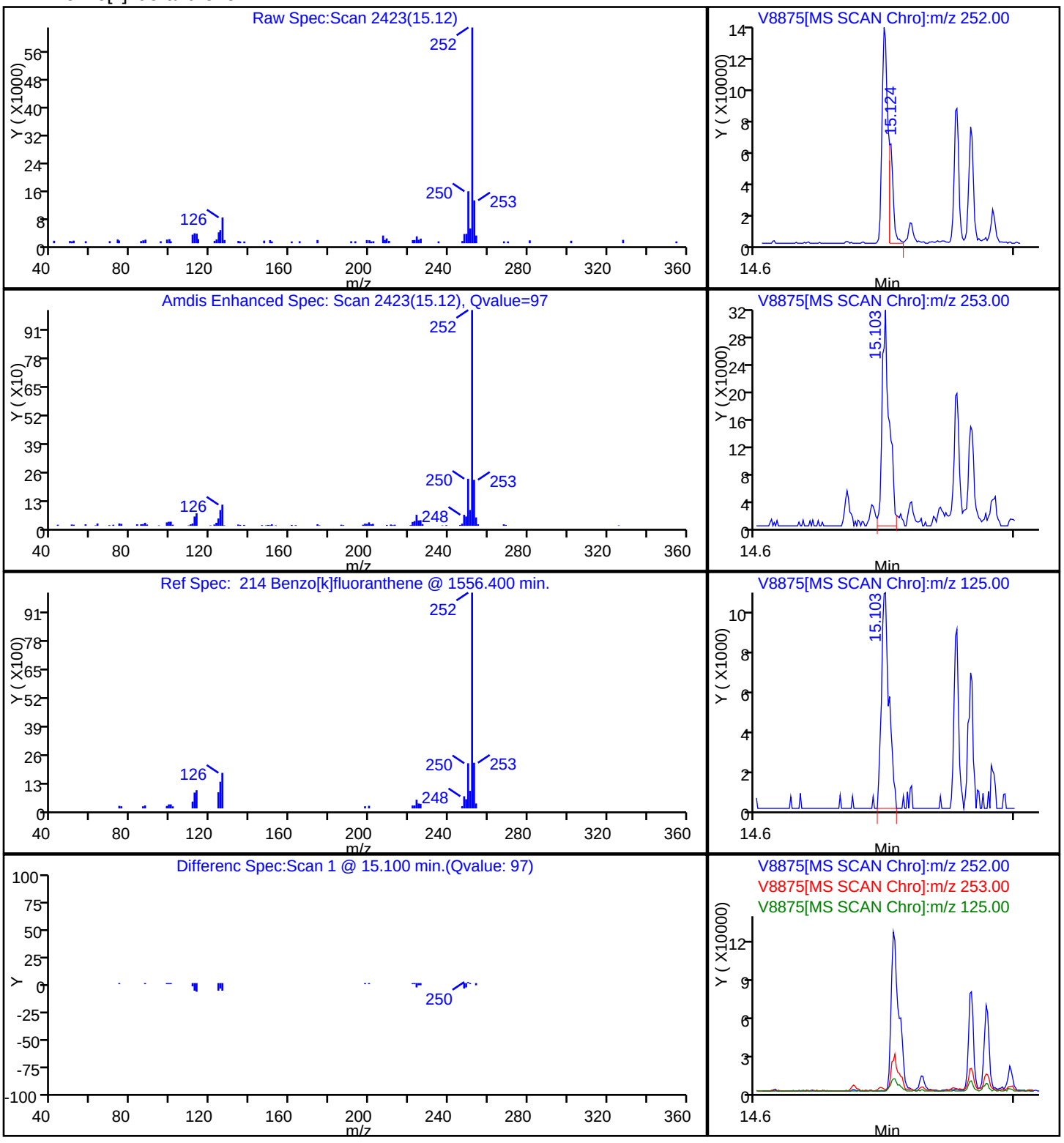


Report Date: 12-Apr-2012 11:25:23 Chrom Revision: 2.0 20-Feb-2012 13:27:02

Data File: \\Bufchrom\ChromData\HP5973V\20120411-10911.b\V8875.D

Injection Date:	12-Apr-2012 02:43:30	Limit Group:	MB - 8270C ICAL
Client ID:	RB-02 (12-24")	Instrument ID:	HP5973V
Lims Batch ID:	59155	Lims Sample ID:	17
Operator ID:	HL	Injection Vol:	1.00 ul
Column Type:	RXI-5Sil MS	Column Dia:	0.25 mm

214 Benzo[k]fluoranthene

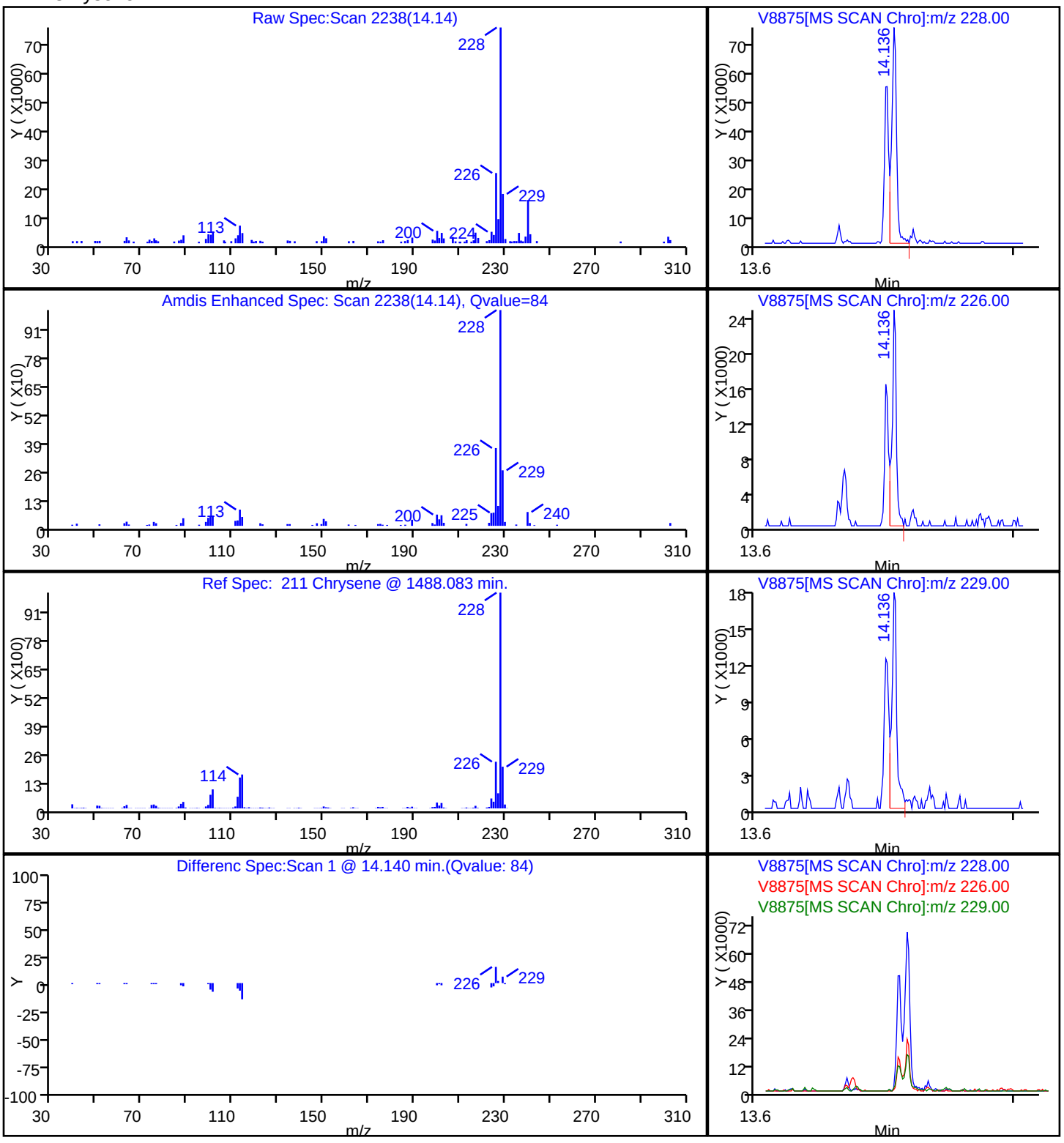


Report Date: 12-Apr-2012 11:25:23 Chrom Revision: 2.0 20-Feb-2012 13:27:02

Data File: \\Bufchrom\ChromData\HP5973V\20120411-10911.b\V8875.D

Injection Date:	12-Apr-2012 02:43:30	Limit Group:	MB - 8270C ICAL
Client ID:	RB-02 (12-24")	Instrument ID:	HP5973V
Lims Batch ID:	59155	Lims Sample ID:	17
Operator ID:	HL	Injection Vol:	1.00 ul
Column Type:	RXI-5Sil MS	Column Dia:	0.25 mm

211 Chrysene

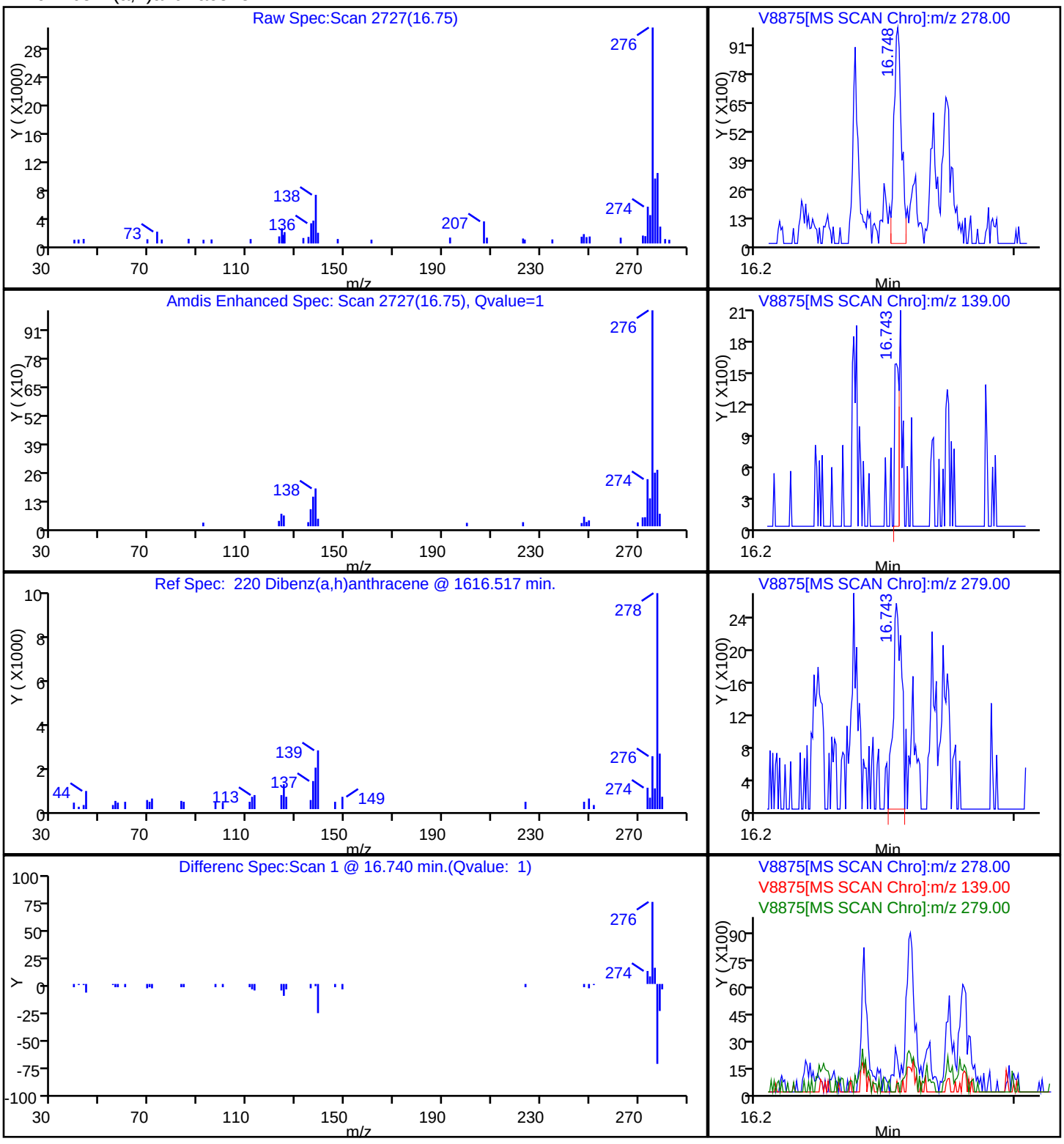


Report Date: 12-Apr-2012 11:25:24 Chrom Revision: 2.0 20-Feb-2012 13:27:02

Data File: \\Bufchrom\ChromData\HP5973V\20120411-10911.b\V8875.D

Injection Date:	12-Apr-2012 02:43:30	Limit Group:	MB - 8270C ICAL
Client ID:	RB-02 (12-24")	Instrument ID:	HP5973V
Lims Batch ID:	59155	Lims Sample ID:	17
Operator ID:	HL	Injection Vol:	1.00 ul
Column Type:	RXI-5Sil MS	Column Dia:	0.25 mm

220 Dibenz(a,h)anthracene

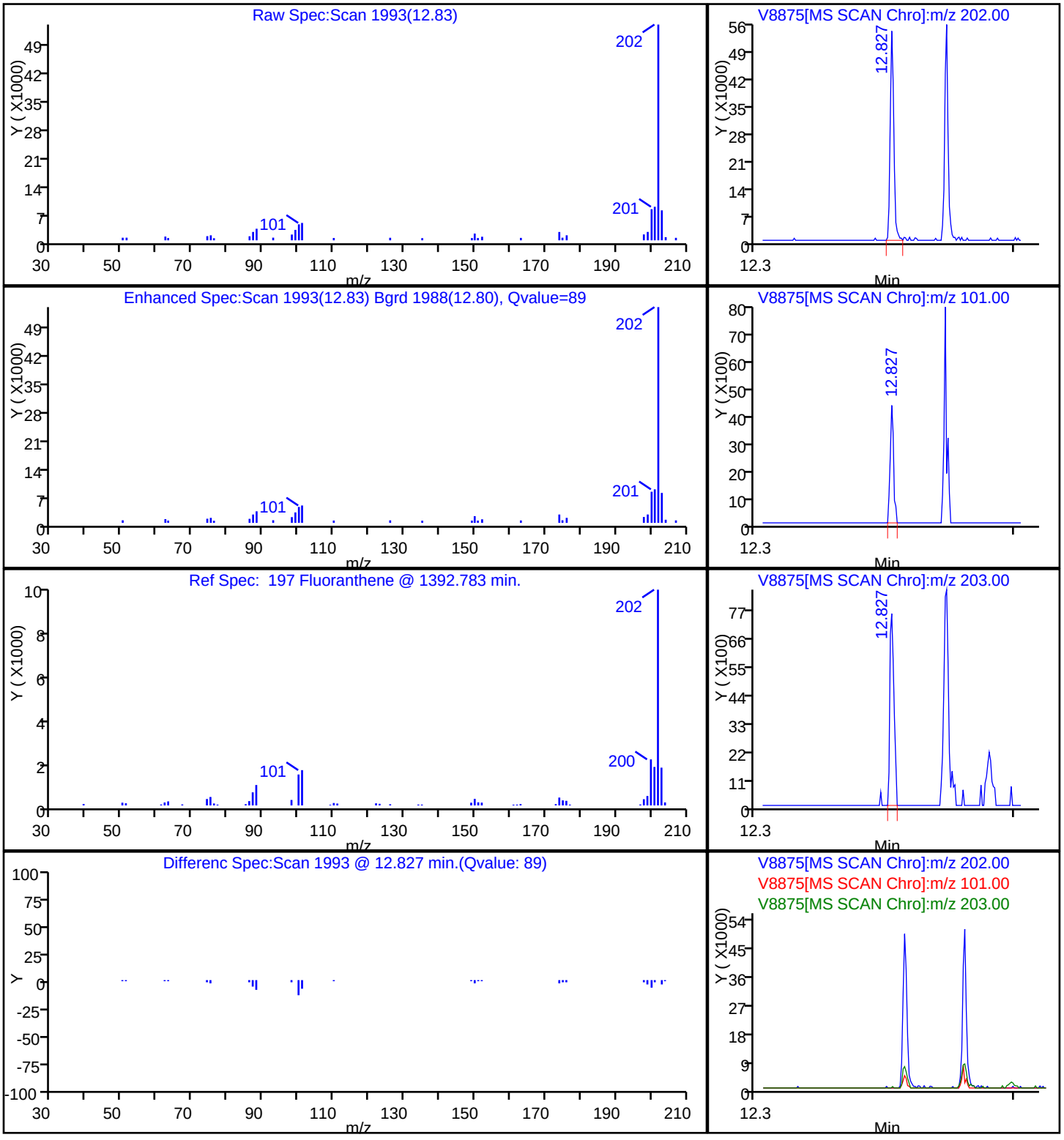


Report Date: 12-Apr-2012 11:25:23 Chrom Revision: 2.0 20-Feb-2012 13:27:02

Data File: \\Bufchrom\ChromData\HP5973V\20120411-10911.b\V8875.D

Injection Date:	12-Apr-2012 02:43:30	Limit Group:	MB - 8270C ICAL
Client ID:	RB-02 (12-24")	Instrument ID:	HP5973V
Lims Batch ID:	59155	Lims Sample ID:	17
Operator ID:	HL	Injection Vol:	1.00 ul
Column Type:	RXI-5Sil MS	Column Dia:	0.25 mm

197 Fluoranthene

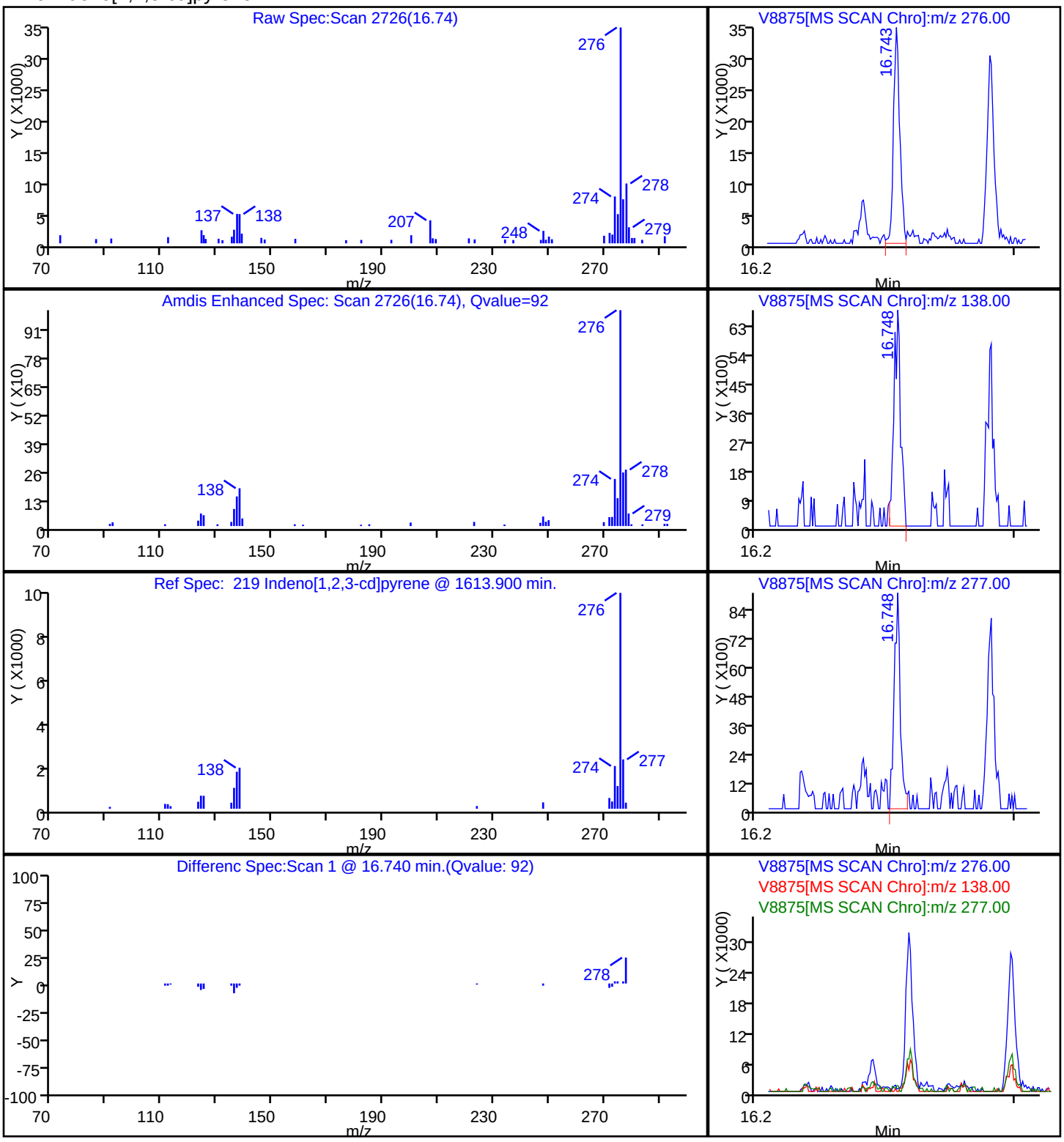


Report Date: 12-Apr-2012 11:25:24 Chrom Revision: 2.0 20-Feb-2012 13:27:02

Data File: \\Bufchrom\ChromData\HP5973V\20120411-10911.b\V8875.D

Injection Date:	12-Apr-2012 02:43:30	Limit Group:	MB - 8270C ICAL
Client ID:	RB-02 (12-24")	Instrument ID:	HP5973V
Lims Batch ID:	59155	Lims Sample ID:	17
Operator ID:	HL	Injection Vol:	1.00 ul
Column Type:	RXI-5Sil MS	Column Dia:	0.25 mm

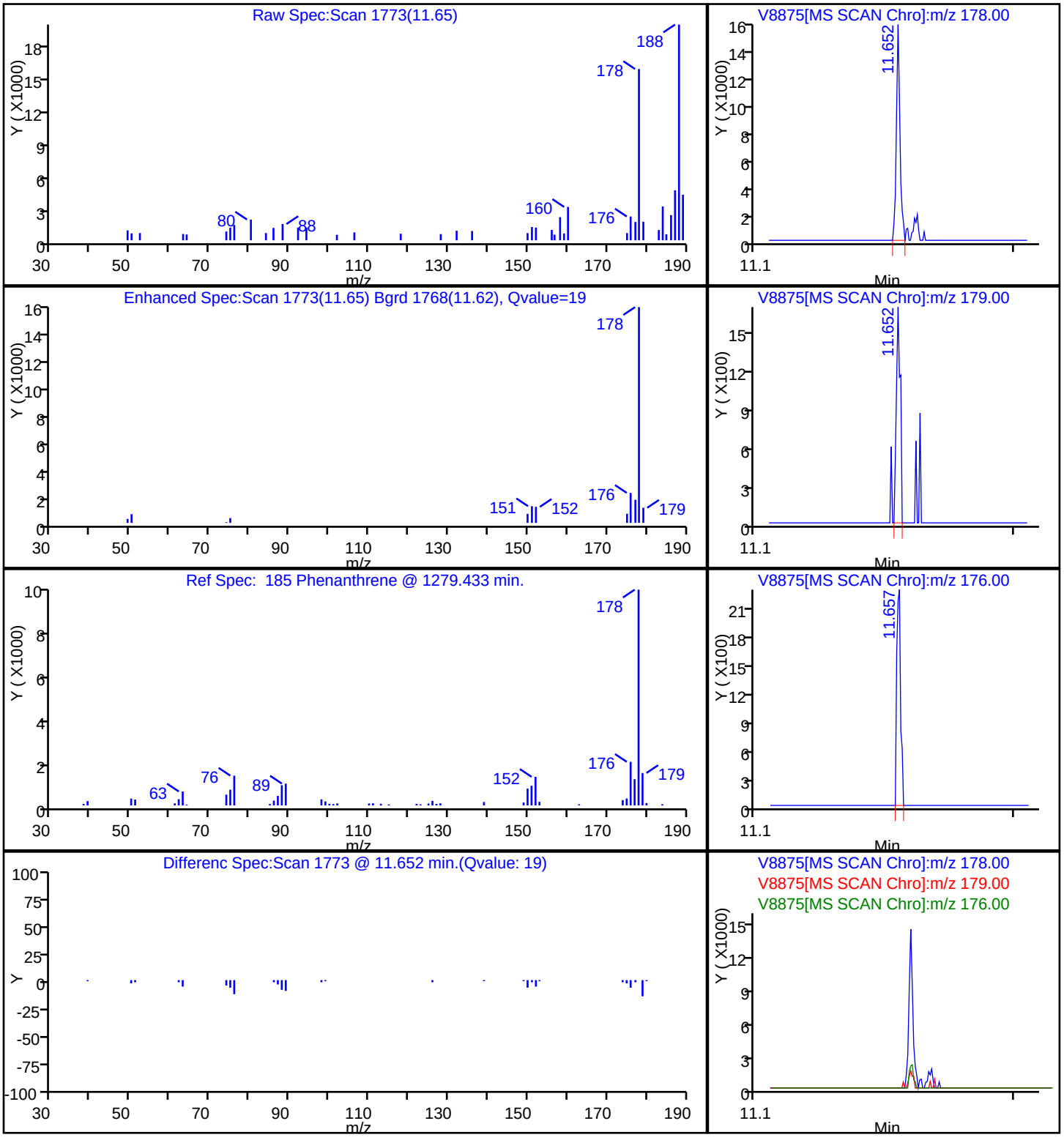
219 Indeno[1,2,3-cd]pyrene



Report Date: 12-Apr-2012 11:25:23 Chrom Revision: 2.0 20-Feb-2012 13:27:02

Data File:	\\Bufchrom\ChromData\HP5973V\20120411-10911.b\V8875.D		
Injection Date:	12-Apr-2012 02:43:30	Limit Group:	MB - 8270C ICAL
Client ID:	RB-02 (12-24")	Instrument ID:	HP5973V
Lims Batch ID:	59155	Lims Sample ID:	17
Operator ID:	HL	Injection Vol:	1.00 ul
Column Type:	RXI-5Sil MS	Column Dia:	0.25 mm

185 Phenanthrene

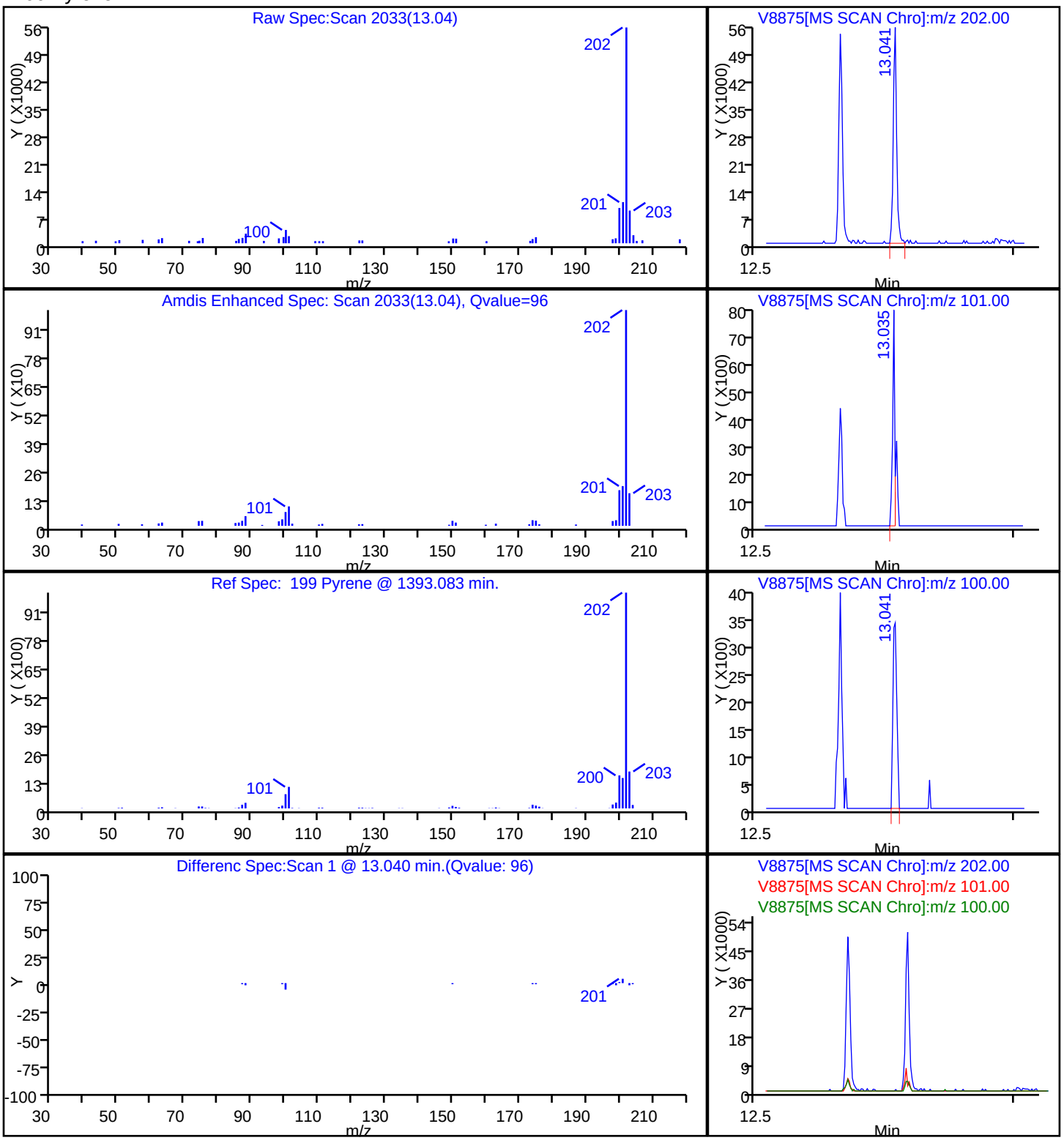


Report Date: 12-Apr-2012 11:25:23 Chrom Revision: 2.0 20-Feb-2012 13:27:02

Data File: \\Bufchrom\ChromData\HP5973V\20120411-10911.b\V8875.D

Injection Date:	12-Apr-2012 02:43:30	Limit Group:	MB - 8270C ICAL
Client ID:	RB-02 (12-24")	Instrument ID:	HP5973V
Lims Batch ID:	59155	Lims Sample ID:	17
Operator ID:	HL	Injection Vol:	1.00 ul
Column Type:	RXI-5Sil MS	Column Dia:	0.25 mm

199 Pyrene



Report Date: 12-Apr-2012 11:25:23 Chrom Revision: 2.0 20-Feb-2012 13:27:02

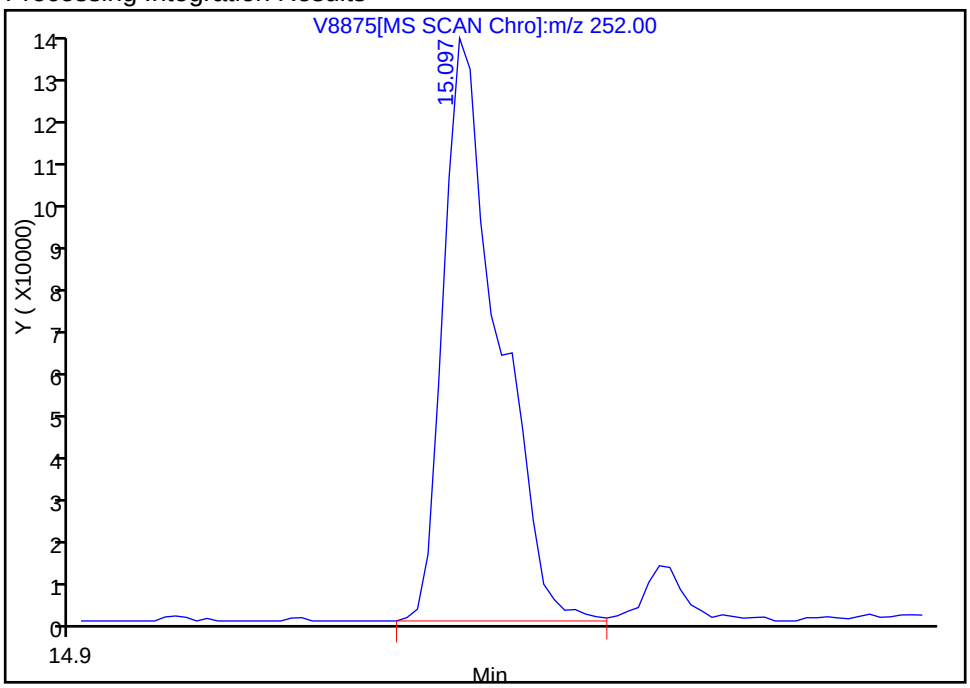
Manual Integration/User Assign Peak Report

Data File:	\\Bufchrom\ChromData\HP5973V\20120411-10911.b\V8875.D		
Injection Date:	12-Apr-2012 02:43:30	Limit Group:	MB - 8270C ICAL
Client ID:	RB-02 (12-24")	Instrument ID:	HP5973V
Lims Batch ID:	59155	Lims Sample ID:	17
Operator ID:	HL	Injection Vol:	1.00 ul
Column Type:	RXI-5Sil MS	Column Dia:	0.25 mm

213 Benzo[b]fluoranthene, Signal: 1, m/z: 252.0 Type: quant, RT: 15.10

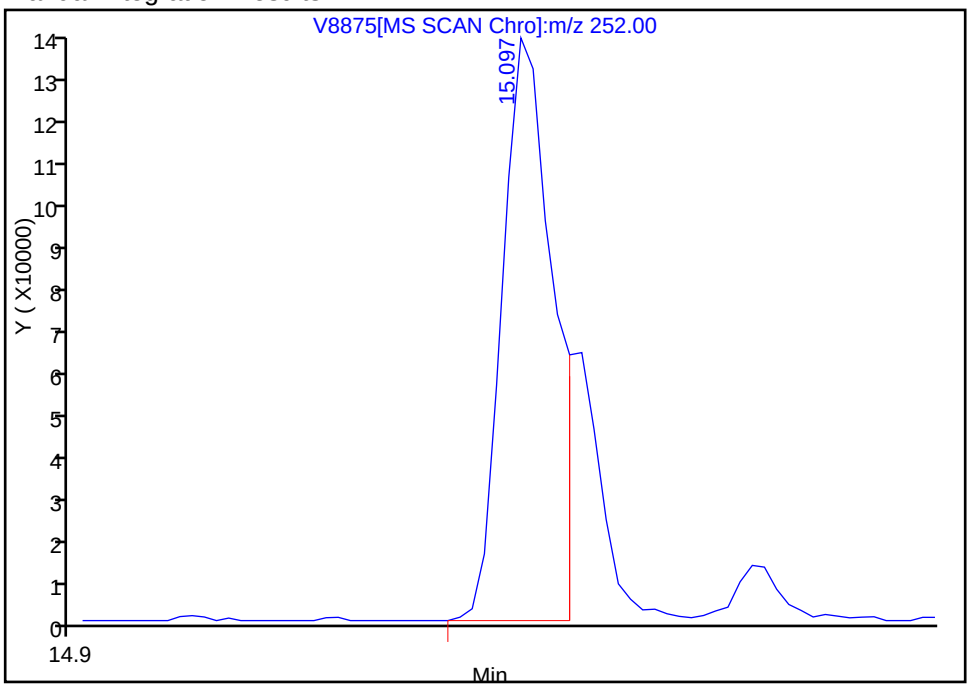
Processing Integration Results

RT: 15.10
Response: 264613
Amount: 16.893902



Manual Integration Results

RT: 15.10
Response: 215430
Amount: 13.753872



Reviewer: lyh, 12-Apr-2012 11:25:23
Audit Action: Split an Integrated Peak
Audit Reason: Coelution

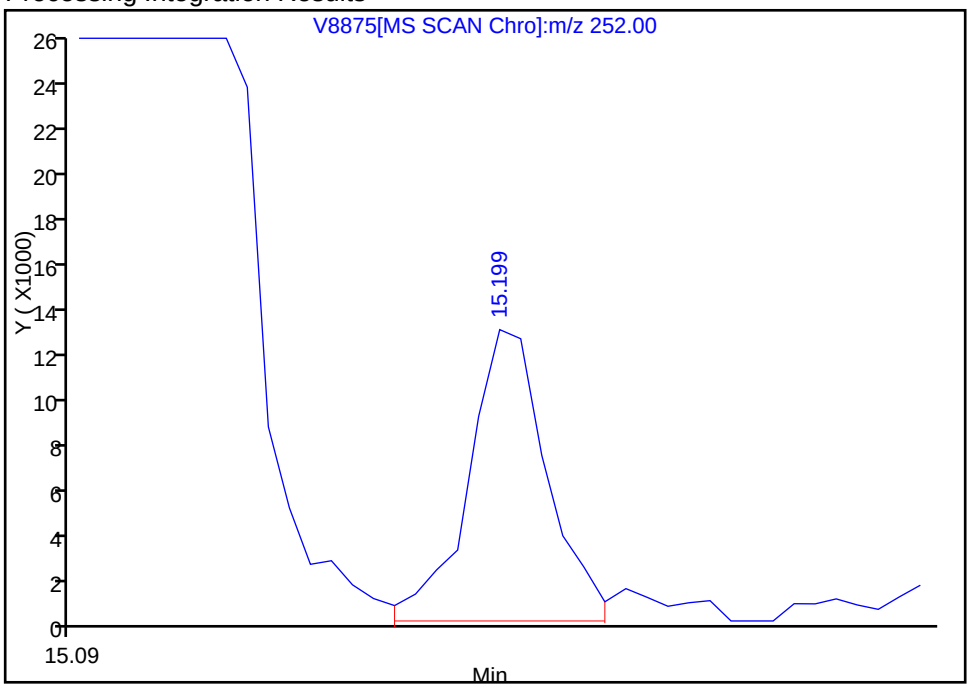
Manual Integration/User Assign Peak Report

Data File:	\\Bufchrom\ChromData\HP5973V\20120411-10911.b\V8875.D		
Injection Date:	12-Apr-2012 02:43:30	Limit Group:	MB - 8270C ICAL
Client ID:	RB-02 (12-24")	Instrument ID:	HP5973V
Lims Batch ID:	59155	Lims Sample ID:	17
Operator ID:	HL	Injection Vol:	1.00 ul
Column Type:	RXI-5Sil MS	Column Dia:	0.25 mm

214 Benzo[k]fluoranthene, Signal: 1, m/z: 252.0 Type: quant, RT: 15.13

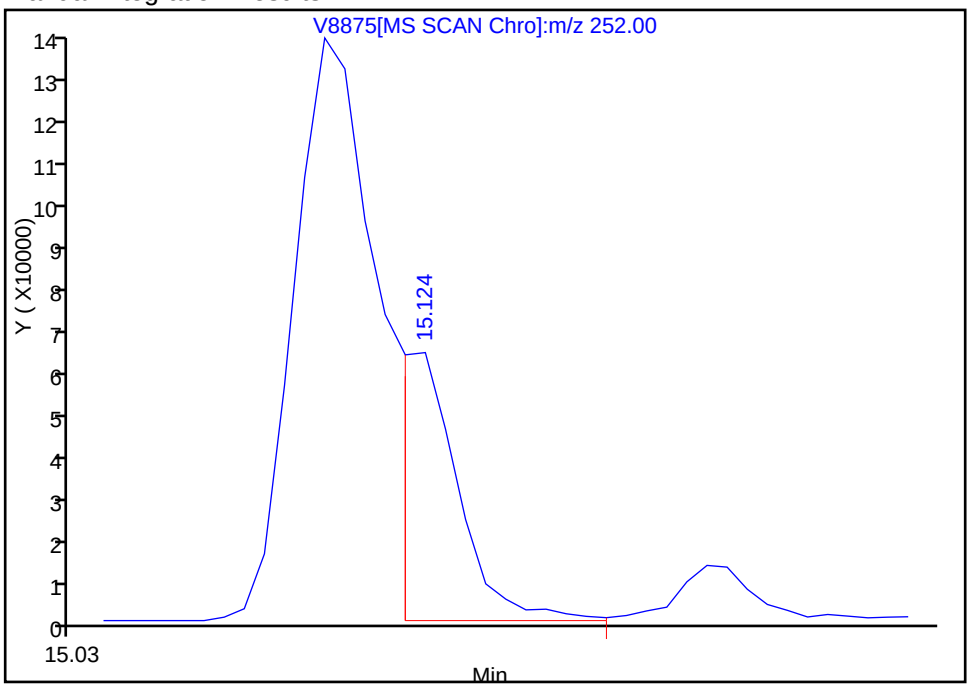
Processing Integration Results

RT: 15.20
Response: 18027
Amount: 1.003488



Manual Integration Results

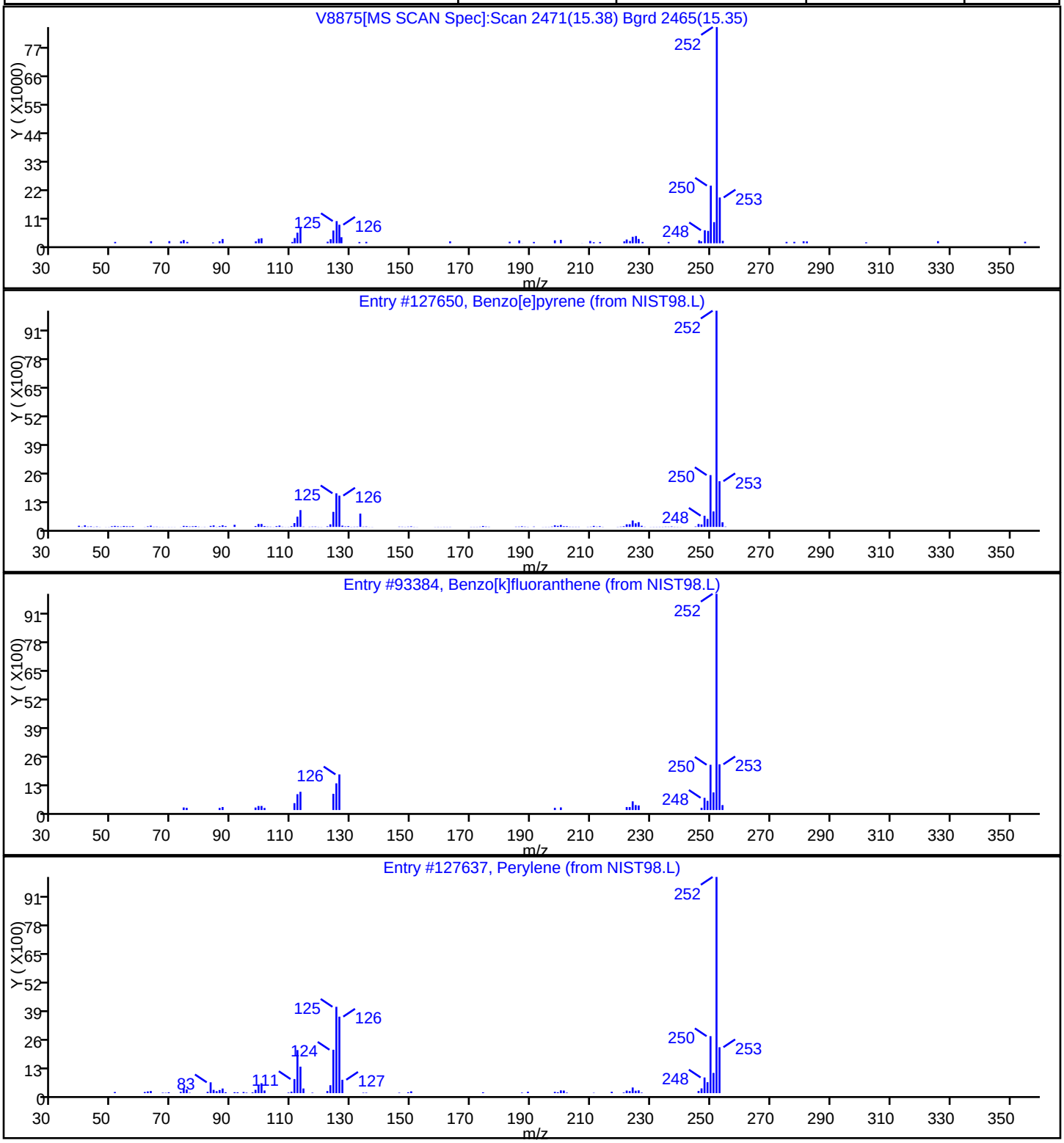
RT: 15.12
Response: 69173
Amount: 3.850572



Reviewer: lyh, 12-Apr-2012 11:25:23
Audit Action: Split an Integrated Peak
Audit Reason: Coelution

Report Date: 12-Apr-2012 11:25:24 Chrom Revision: 2.0 20-Feb-2012 13:27:02
Data File: \\Bufchrom\ChromData\HP5973V\20120411-10911.b\V8875.D
Injection Date: 12-Apr-2012 02:43:30 Limit Group: MB - 8270C ICAL
Client ID: RB-02 (12-24") Instrument ID: HP5973V
Lims Batch ID: 59155 Lims Sample ID: 17
Operator ID: HL 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	91
Benzo[k]fluoranthene	207-8-9	NIST98.L	93384	90
Perylene	198-55-0	NIST98.L	127637	90



FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Buffalo | Job No.: 480-18292-1

SDG No.:

Client Sample ID: DUP-03 | Lab Sample ID: 480-18292-11

Matrix: Solid | Lab File ID: V8876.D

Analysis Method: 8270C | Date Collected: 04/05/2012 16:30

Extract. Method: 3550B | Date Extracted: 04/10/2012 07:39

Sample wt/vol: +30.15(g) | Date Analyzed: 04/12/2012 03:07

Con. Extract Vol.: 1(mL) | Dilution Factor: 20

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

% Moisture: 18.5 | GPC Cleanup:(Y/N) N

Analysis Batch No.: 59155 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
95-95-4	2,4,5-Trichlorophenol	ND		4200	900
88-06-2	2,4,6-Trichlorophenol	ND		4200	270
120-83-2	2,4-Dichlorophenol	ND		4200	220
105-67-9	2,4-Dimethylphenol	ND		4200	1100
51-28-5	2,4-Dinitrophenol	ND		8100	1400
121-14-2	2,4-Dinitrotoluene	ND		4200	640
606-20-2	2,6-Dinitrotoluene	ND		4200	1000
91-58-7	2-Chloronaphthalene	ND		4200	280
95-57-8	2-Chlorophenol	ND		4200	210
91-57-6	2-Methylnaphthalene	340	J	4200	50
95-48-7	2-Methylphenol	ND		4200	130
88-74-4	2-Nitroaniline	ND		8100	1300
88-75-5	2-Nitrophenol	ND		4200	190
91-94-1	3,3'-Dichlorobenzidine	ND		4200	3600
99-09-2	3-Nitroaniline	ND		8100	950
534-52-1	4,6-Dinitro-2-methylphenol	ND		8100	1400
101-55-3	4-Bromophenyl phenyl ether	ND		4200	1300
59-50-7	4-Chloro-3-methylphenol	ND		4200	170
106-47-8	4-Chloroaniline	ND		4200	1200
7005-72-3	4-Chlorophenyl phenyl ether	ND		4200	88
106-44-5	4-Methylphenol	ND		8100	230
100-01-6	4-Nitroaniline	ND		8100	460
100-02-7	4-Nitrophenol	ND		8100	1000
83-32-9	Acenaphthene	ND		4200	48
208-96-8	Acenaphthylene	ND		4200	34
98-86-2	Acetophenone	ND		4200	210
120-12-7	Anthracene	170	J	4200	110
1912-24-9	Atrazine	ND		4200	180
100-52-7	Benzaldehyde	ND		4200	450
56-55-3	Benzo(a)anthracene	1700	J	4200	71
50-32-8	Benzo(a)pyrene	2000	J	4200	99
205-99-2	Benzo(b)fluoranthene	3100	J	4200	80
191-24-2	Benzo(g,h,i)perylene	940	J	4200	49
207-08-9	Benzo(k)fluoranthene	1200	J	4200	45

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Buffalo | Job No.: 480-18292-1

SDG No.:

Client Sample ID: DUP-03 | Lab Sample ID: 480-18292-11

Matrix: Solid | Lab File ID: V8876.D

Analysis Method: 8270C | Date Collected: 04/05/2012 16:30

Extract. Method: 3550B | Date Extracted: 04/10/2012 07:39

Sample wt/vol: +30.15(g) | Date Analyzed: 04/12/2012 03:07

Con. Extract Vol.: 1(mL) | Dilution Factor: 20

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

% Moisture: 18.5 | GPC Cleanup:(Y/N) N

Analysis Batch No.: 59155 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
92-52-4	Biphenyl	ND		4200	260
108-60-1	bis (2-chloroisopropyl) ether	ND		4200	430
111-91-1	Bis(2-chloroethoxy)methane	ND		4200	220
111-44-4	Bis(2-chloroethyl)ether	ND		4200	360
117-81-7	Bis(2-ethylhexyl) phthalate	ND		4200	1300
85-68-7	Butyl benzyl phthalate	ND		4200	1100
105-60-2	Caprolactam	ND		4200	1800
86-74-8	Carbazole	ND		4200	48
218-01-9	Chrysene	1700	J	4200	41
53-70-3	Dibenz(a,h)anthracene	2700	J	4200	48
132-64-9	Dibenzofuran	ND		4200	43
84-66-2	Diethyl phthalate	ND		4200	120
131-11-3	Dimethyl phthalate	ND		4200	110
84-74-2	Di-n-butyl phthalate	ND		4200	1400
117-84-0	Di-n-octyl phthalate	ND		4200	96
206-44-0	Fluoranthene	1600	J	4200	60
86-73-7	Fluorene	ND		4200	95
118-74-1	Hexachlorobenzene	ND		4200	200
87-68-3	Hexachlorobutadiene	ND		4200	210
77-47-4	Hexachlorocyclopentadiene	ND		4200	1200
67-72-1	Hexachloroethane	ND		4200	320
193-39-5	Indeno(1,2,3-cd)pyrene	810	J	4200	110
78-59-1	Isophorone	ND		4200	210
91-20-3	Naphthalene	ND		4200	69
98-95-3	Nitrobenzene	ND		4200	180
621-64-7	N-Nitrosodi-n-propylamine	ND		4200	330
86-30-6	N-Nitrosodiphenylamine	ND		4200	230
87-86-5	Pentachlorophenol	ND		8100	1400
85-01-8	Phenanthrene	1100	J	4200	86
108-95-2	Phenol	ND		4200	430
129-00-0	Pyrene	1400	J	4200	27

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Buffalo | Job No.: 480-18292-1

SDG No.:

Client Sample ID: DUP-03 | Lab Sample ID: 480-18292-11

Matrix: Solid | Lab File ID: V8876.D

Analysis Method: 8270C | Date Collected: 04/05/2012 16:30

Extract. Method: 3550B | Date Extracted: 04/10/2012 07:39

Sample wt/vol: +30.15(g) | Date Analyzed: 04/12/2012 03:07

Con. Extract Vol.: 1(mL) | Dilution Factor: 20

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

% Moisture: 18.5 | GPC Cleanup:(Y/N) N

Analysis Batch No.: 59155 | Units: ug/Kg

CAS NO.	SURROGATE	%REC	Q	LIMITS
118-79-6	2,4,6-Tribromophenol	49		39-146
321-60-8	2-Fluorobiphenyl	82		37-120
367-12-4	2-Fluorophenol	59		18-120
4165-60-0	Nitrobenzene-d5	74		34-132
4165-62-2	Phenol-d5	63		11-120
1718-51-0	p-Terphenyl-d14	90		65-153

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

Lab Name: TestAmerica Buffalo | Job No.: 480-18292-1

SDG No.:

Client Sample ID: DUP-03 | Lab Sample ID: 480-18292-11

Matrix: Solid | Lab File ID: V8876.D

Analysis Method: 8270C | Date Collected: 04/05/2012 16:30

Extract. Method: 3550B | Date Extracted: 04/10/2012 07:39

Sample wt/vol: +30.15(g) | Date Analyzed: 04/12/2012 03:07

Con. Extract Vol.: 1(mL) | Dilution Factor: 20

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

% Moisture: 18.5 | GPC Cleanup:(Y/N) N

Analysis Batch No.: 59155 | 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\HP5973V\20120411-10911.b\V8876.D		
Lims ID:	480-18292-B-11-A	Client ID:	DUP-03
Inject. Date:	12-Apr-2012 03:07:30	Dil. Factor:	20.0000
Sample Type:	Client		
Sample ID:	480-0010911-018		
Misc. Info.:	480-18292-B-11-A		
Operator:	HL	Instrument ID:	HP5973V
Vol. Injected:	1.0000	ALS Bottle#:	41
Lims Batch ID:	59155	Lims Sample ID:	18
Detector:	MS SCAN		
Method:	\\Bufchrom\ChromData\HP5973V\20120411-10911.b\V-8270.m		
Last Update:	12-Apr-2012 11:29:15	Calib Date:	09-Apr-2012 16:15:30
Quant Method:	Internal Standard	Quant By:	Initial Calibration
Last ICal File:	\\Bufchrom\ChromData\HP5973V\20120409-10827.b\V8763.D		
Limit Group:	MB - 8270C ICAL		
Integrator:	RTE	ID Type:	Deconvolution ID
Process Host:	CORP-CTX-19		
First Level Reviewer: lyh		Date:	12-Apr-2012 11:29:15

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ng/uL	Flags
* 1 1,4-Dichlorobenzene-d4	152	6.010	6.005	0.005	97	112385	40.0	
* 2 Naphthalene-d8	136	7.666	7.661	0.005	99	458516	40.0	
* 3 Acenaphthene-d10	164	9.926	9.926	0.0	90	284795	40.0	
* 4 Phenanthrene-d10	188	11.625	11.625	0.0	97	471571	40.0	
* 5 Chrysene-d12	240	14.114	14.120	-0.006	97	528985	40.0	
* 6 Perylene-d12	264	15.498	15.498	0.0	99	535488	40.0	
$ 9 2-Fluorophenol	112	4.332	4.317	0.015	51	17117	4.43	
$ 10 Phenol-d5	99	5.545	5.535	0.010	39	24397	4.76	
$ 11 Nitrobenzene-d5	82	6.747	6.737	0.010	50	17931	3.68	
$ 12 2-Fluorobiphenyl	172	9.076	9.066	0.010	80	36560	4.08	
$ 13 2,4,6-Tribromophenol	330	10.898	10.877	0.021	1	3455	3.65	
$ 14 p-Terphenyl-d14	244	13.169	13.169	0.0	82	51676	4.50	
88 Benzaldehyde	77		5.444					
89 Phenol	94		5.551					
91 Bis(2-chloroethyl)ether	93		5.668					
93 2-Chlorophenol	128		5.732					
98 2-Methylphenol	108		6.341					
99 2,2'-oxybis[1-chloropropane]	45		6.368					
104 Acetophenone	105		6.539					
101 N-Nitrosodi-n-propylamine	70		6.544					
102 4-Methylphenol	108		6.550					
106 Hexachloroethane	117		6.662					
107 Nitrobenzene	77		6.758					
110 Isophorone	82		7.073					
111 2-Nitrophenol	139		7.175					
112 2,4-Dimethylphenol	107		7.244					
115 Bis(2-chloroethoxy)methane	93		7.362					
117 2,4-Dichlorophenol	162		7.490					
121 Naphthalene	128		7.693					
123 4-Chloroaniline	127		7.778					
126 Hexachlorobutadiene	225		7.853					

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ng/uL	Flags
127 Caprolactam	113		8.222					
131 4-Chloro-3-methylphenol	107		8.414					
133 2-Methylnaphthalene	142	8.606	8.590	0.016	1	3260	0.4118	
136 Hexachlorocyclopentadiene	237		8.788					
139 2,4,6-Trichlorophenol	196		8.959					
140 2,4,5-Trichlorophenol	196		9.012					
144 1,1'-Biphenyl	154		9.194					
143 2-Chloronaphthalene	162		9.215					
145 2-Nitroaniline	65		9.370					
147 Dimethyl phthalate	163		9.605					
148 2,6-Dinitrotoluene	165		9.686					
149 Acenaphthylene	152		9.750					
150 3-Nitroaniline	138		9.910					
151 Acenaphthene	153		9.969					
152 2,4-Dinitrophenol	184		10.044					
153 4-Nitrophenol	109		10.150					
155 Dibenzofuran	168		10.182					
154 2,4-Dinitrotoluene	165		10.193					
160 Diethyl phthalate	149		10.482					
161 Fluorene	166		10.594					
162 4-Chlorophenyl phenyl ether	204		10.599					
164 4-Nitroaniline	138		10.653					
166 4,6-Dinitro-2-methylphenol	198		10.679					
167 N-Nitrosodiphenylamine	169		10.743					
176 4-Bromophenyl phenyl ether	248		11.149					
177 Hexachlorobenzene	284		11.213					
180 Atrazine	200		11.347					
181 Pentachlorophenol	266		11.433					
185 Phenanthrene	178	11.651	11.652	-0.001	18	16536	1.30	
188 Anthracene	178	11.715	11.705	0.010	1	2621	0.2039	
189 Carbazole	167		11.881					
192 Di-n-butyl phthalate	149	12.218	12.218	0.0	0	970	0.0754	
197 Fluoranthene	202	12.827	12.827	0.0	78	27218	1.96	
199 Pyrene	202	13.040	13.041	-0.001	91	25917	1.67	
205 Butyl benzyl phthalate	149		13.596					
210 Bis(2-ethylhexyl) phthalate	149		14.077					
208 3,3'-Dichlorobenzidine	252		14.082					
209 Benzo[a]anthracene	228	14.109	14.109	0.0	40	29921	2.03	
211 Chrysene	228	14.136	14.146	-0.010	75	30427	2.03	
212 Di-n-octyl phthalate	149		14.643					
213 Benzo[b]fluoranthene	252	15.102	15.103	-0.001	87	58637	3.84	M
214 Benzo[k]fluoranthene	252	15.118	15.135	-0.017	95	26423	1.51	M
217 Benzo[a]pyrene	252	15.434	15.439	-0.005	53	33092	2.48	
219 Indeno[1,2,3-cd]pyrene	276	16.753	16.759	-0.006	73	14193	0.99	
220 Dibenz(a,h)anthracene	278	16.759	16.764	-0.005	1	4913	3.31	
221 Benzo[g,h,i]perylene	276	17.122	17.122	0.0	70	13694	1.15	

QC Flag Legend

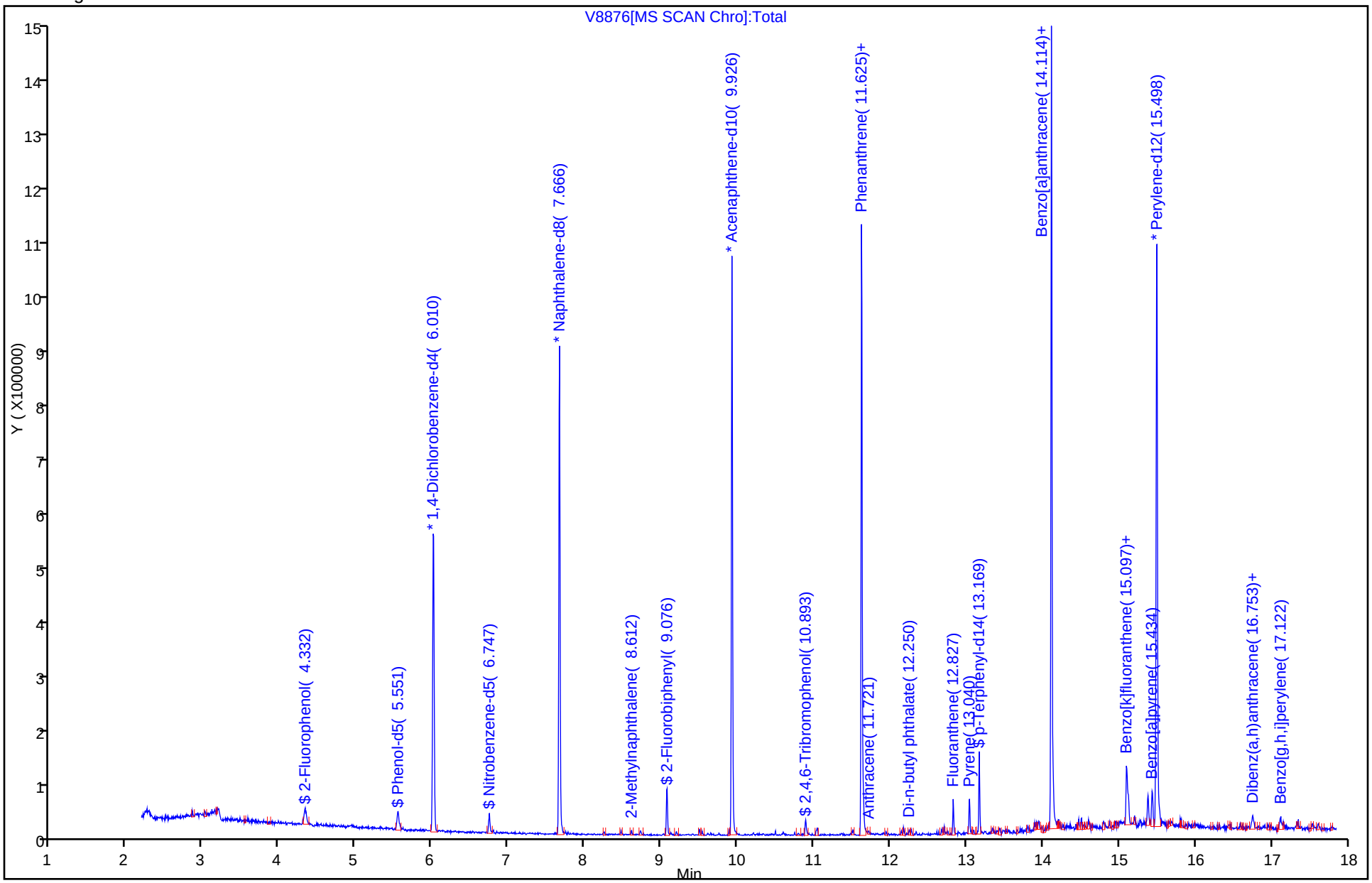
Review Flags
M - Manually Integrated

Report Date: 12-Apr-2012 11:29:15 Chrom Revision: 2.0 20-Feb-2012 13:27:02

Data File: \\Bufchrom\ChromData\HP5973V\20120411-10911.b\V8876.D

Injection Date:	12-Apr-2012 03:07:30	Limit Group:	MB - 8270C ICAL
Client ID:	DUP-03	Instrument ID:	HP5973V
Lims Batch ID:	59155	Lims Sample ID:	18
Operator ID:	HL	Injection Vol:	1.00 ul
Column Type:	RXI-5Sil MS	Column Dia:	0.25 mm

Y Scaling:

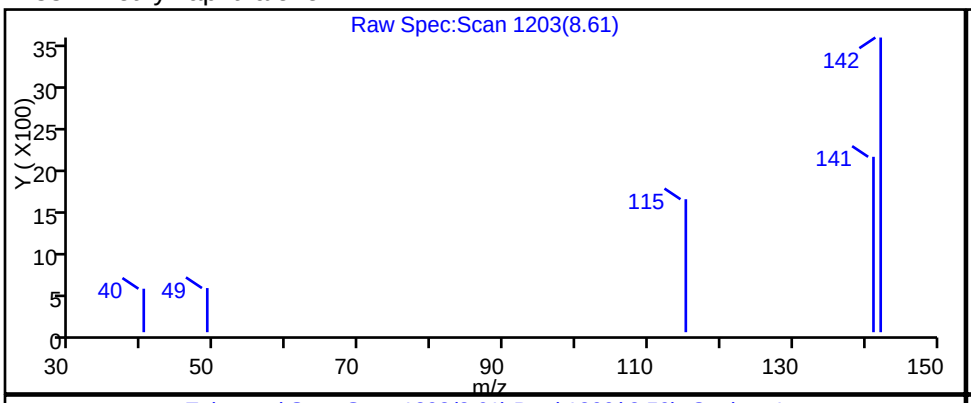


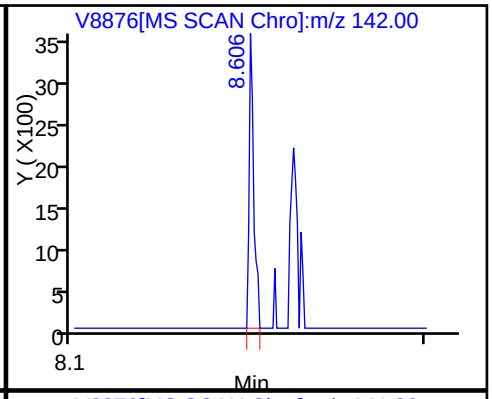
Report Date: 12-Apr-2012 11:29:15 Chrom Revision: 2.0 20-Feb-2012 13:27:02

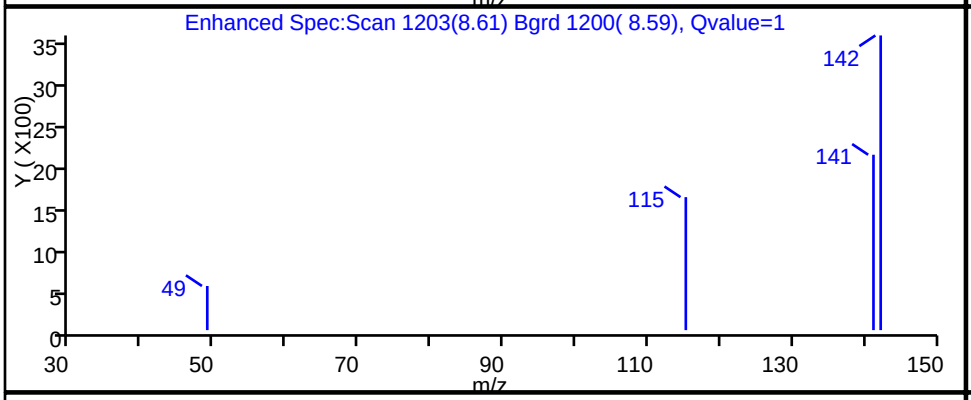
Data File: \\Bufchrom\ChromData\HP5973V\20120411-10911.b\V8876.D

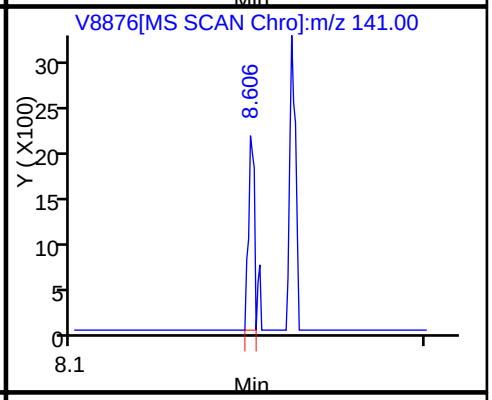
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Client ID:	DUP-03	Instrument ID:	HP5973V
Lims Batch ID:	59155	Lims Sample ID:	18
Operator ID:	HL	Injection Vol:	1.00 ul
Column Type:	RXI-5Sil MS	Column Dia:	0.25 mm

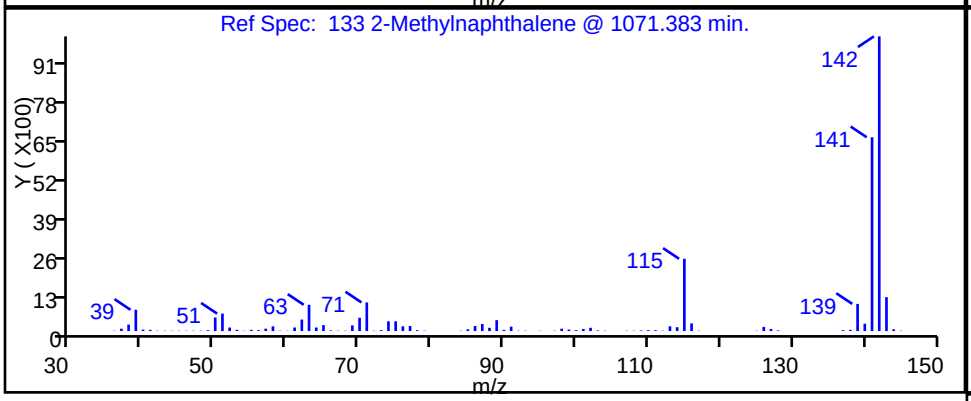
133 2-Methylnaphthalene

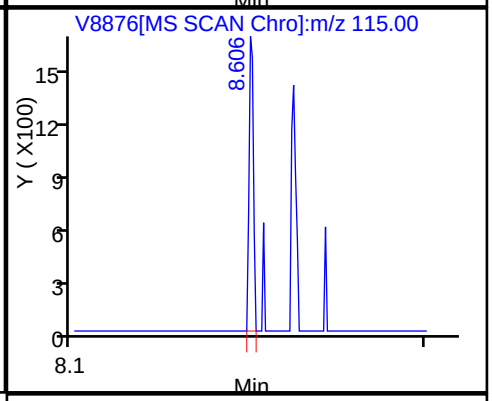


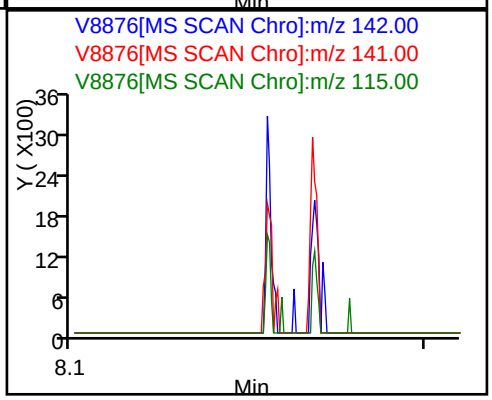










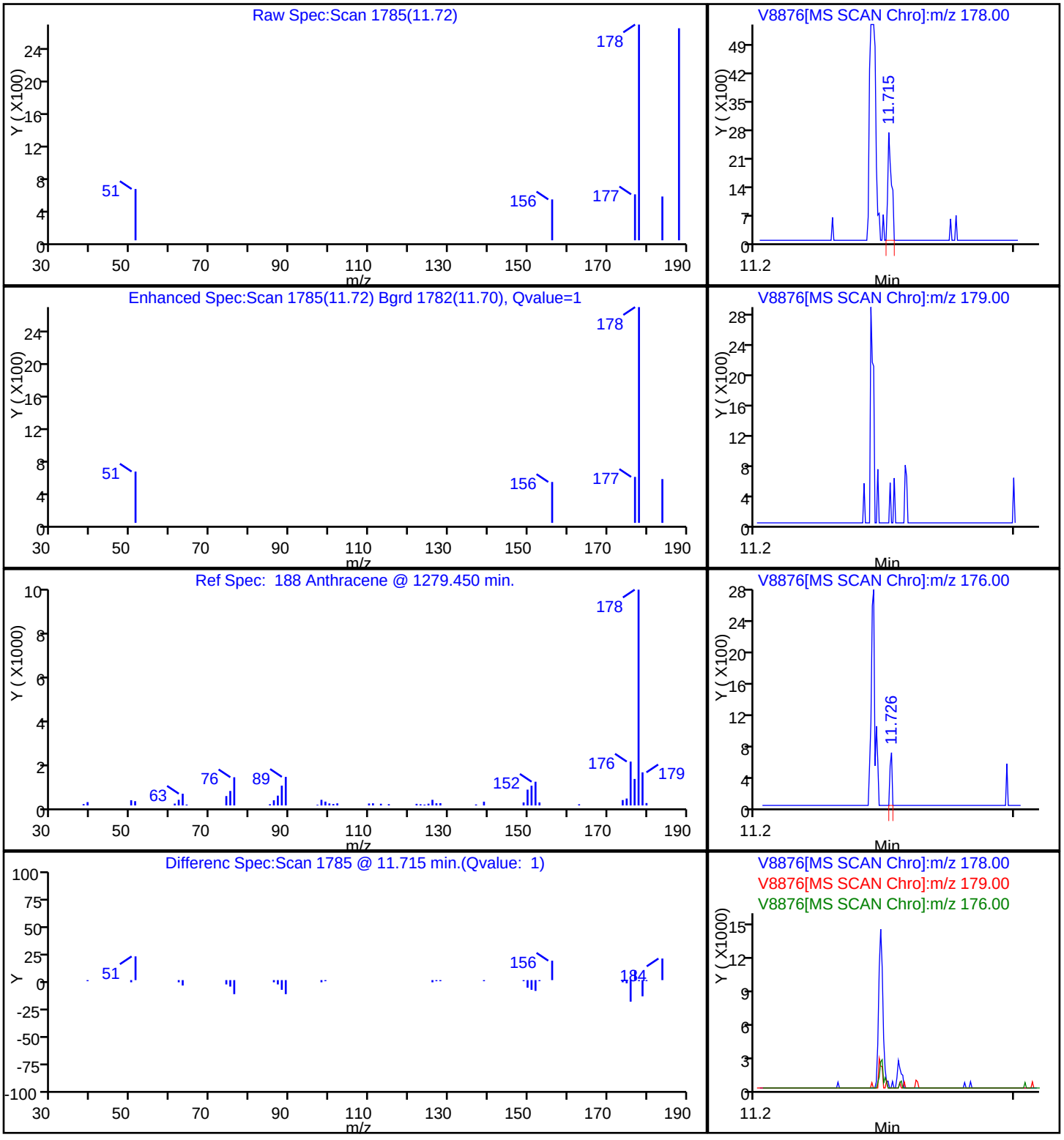


Report Date: 12-Apr-2012 11:29:15 Chrom Revision: 2.0 20-Feb-2012 13:27:02

Data File: \\Bufchrom\ChromData\HP5973V\20120411-10911.b\V8876.D

Injection Date:	12-Apr-2012 03:07:30	Limit Group:	MB - 8270C ICAL
Client ID:	DUP-03	Instrument ID:	HP5973V
Lims Batch ID:	59155	Lims Sample ID:	18
Operator ID:	HL	Injection Vol:	1.00 ul
Column Type:	RXI-5Sil MS	Column Dia:	0.25 mm

188 Anthracene

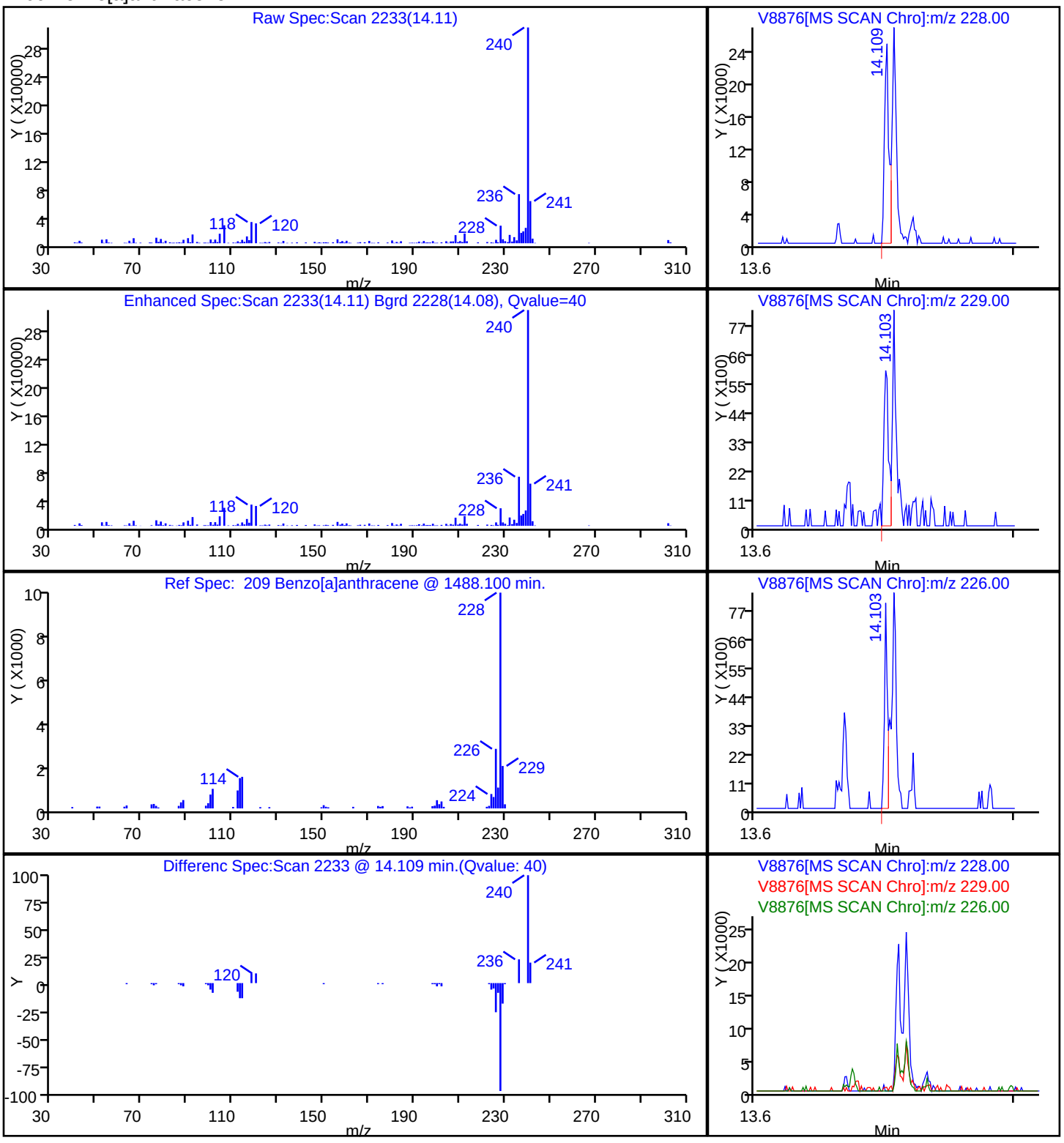


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Lims Batch ID:	59155	Lims Sample ID:	18
Operator ID:	HL	Injection Vol:	1.00 ul
Column Type:	RXI-5Sil MS	Column Dia:	0.25 mm

209 Benzo[a]anthracene

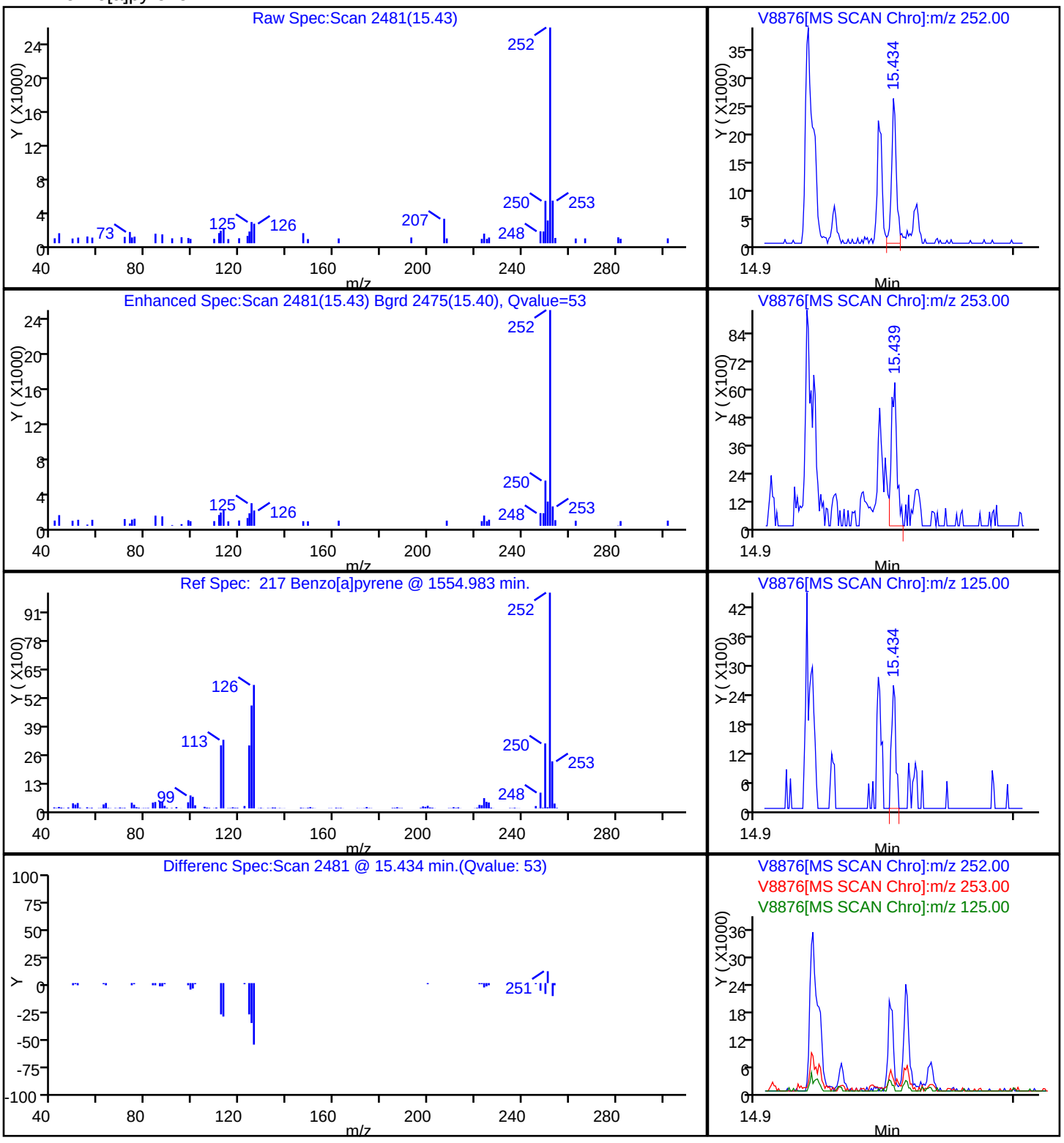


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Lims Batch ID:	59155	Lims Sample ID:	18
Operator ID:	HL	Injection Vol:	1.00 ul
Column Type:	RXI-5Sil MS	Column Dia:	0.25 mm

217 Benzo[a]pyrene

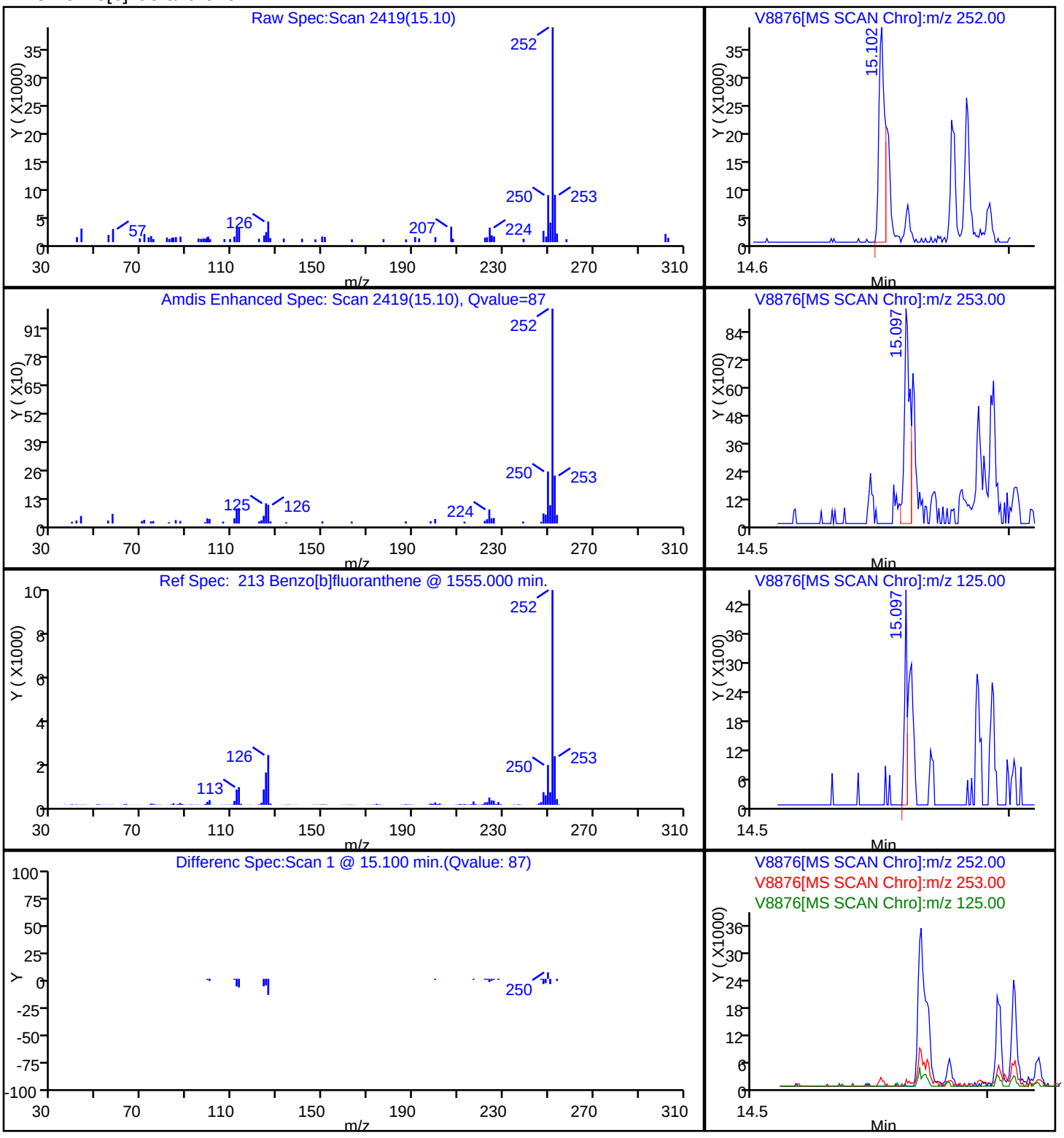


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Data File: \\Bufchrom\ChromData\HP5973V\20120411-10911.b\V8876.D

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Client ID:	DUP-03	Instrument ID:	HP5973V
Lims Batch ID:	59155	Lims Sample ID:	18
Operator ID:	HL	Injection Vol:	1.00 ul
Column Type:	RXI-5Sil MS	Column Dia:	0.25 mm

213 Benzo[b]fluoranthene

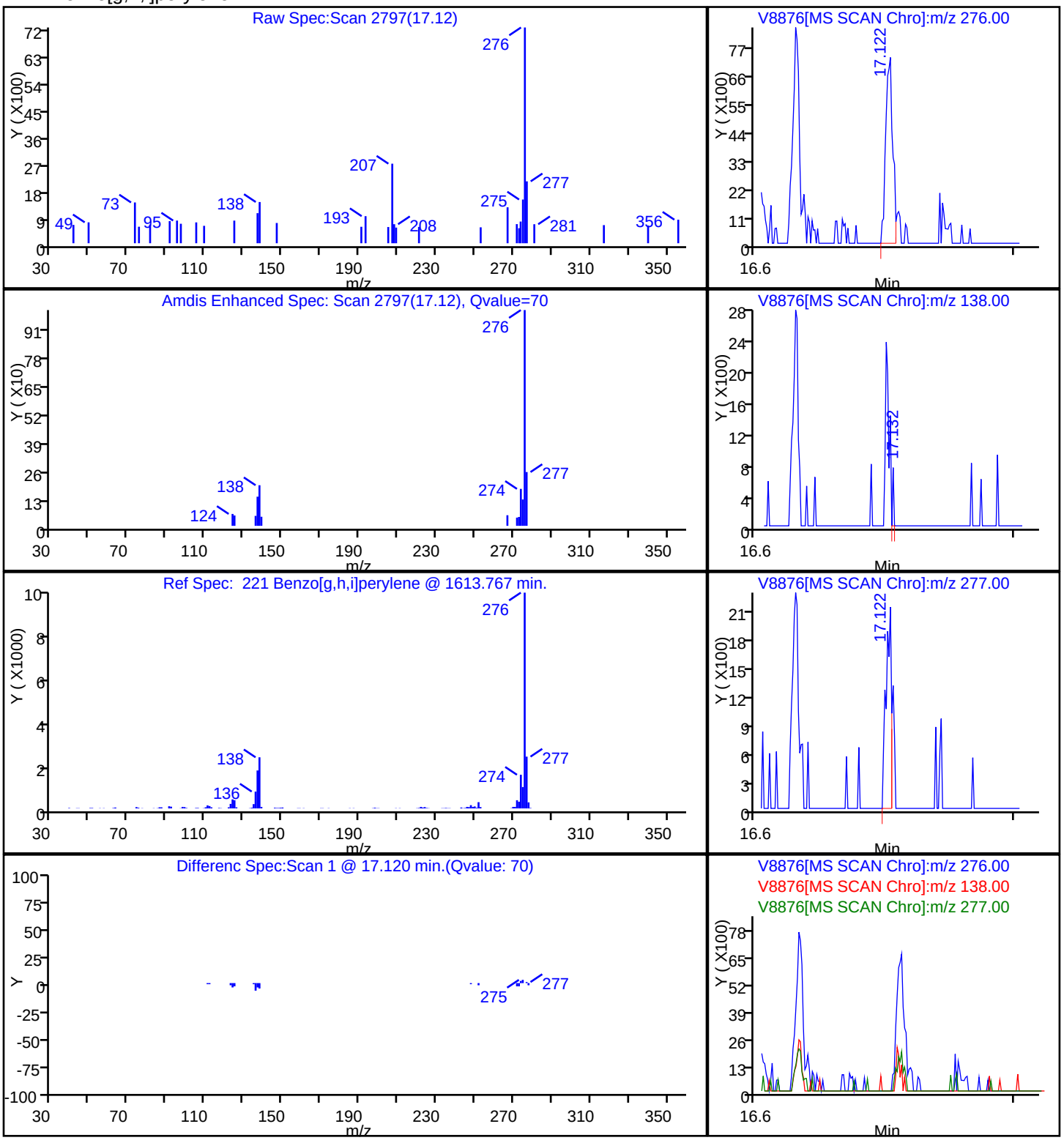


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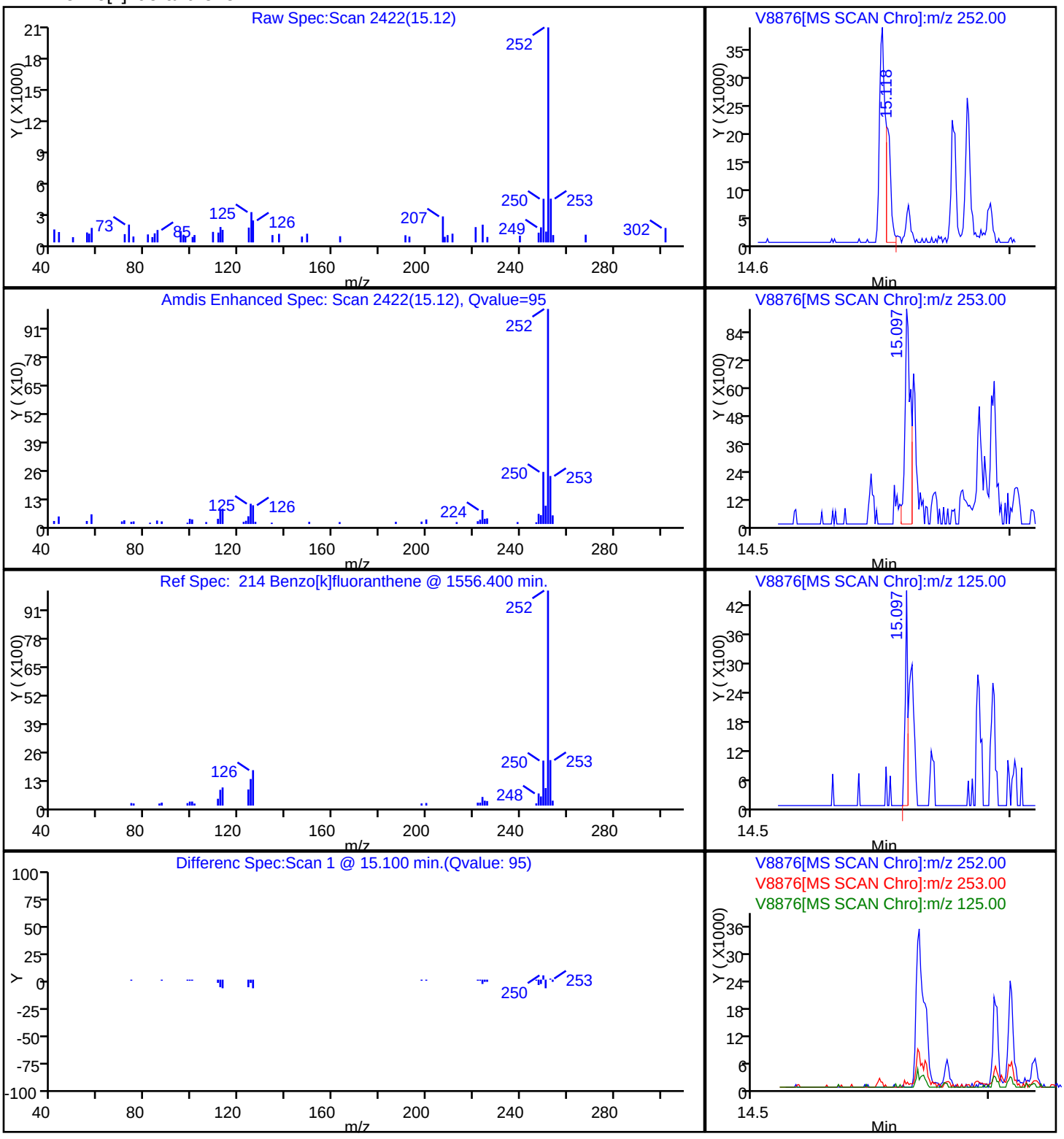
221 Benzo[g,h,i]perylene



Report Date: 12-Apr-2012 11:29:15 Chrom Revision: 2.0 20-Feb-2012 13:27:02

Data File:	\\Bufchrom\ChromData\HP5973V\20120411-10911.b\V8876.D		
Injection Date:	12-Apr-2012 03:07:30	Limit Group:	MB - 8270C ICAL
Client ID:	DUP-03	Instrument ID:	HP5973V
Lims Batch ID:	59155	Lims Sample ID:	18
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Column Type:	RXI-5Sil MS	Column Dia:	0.25 mm

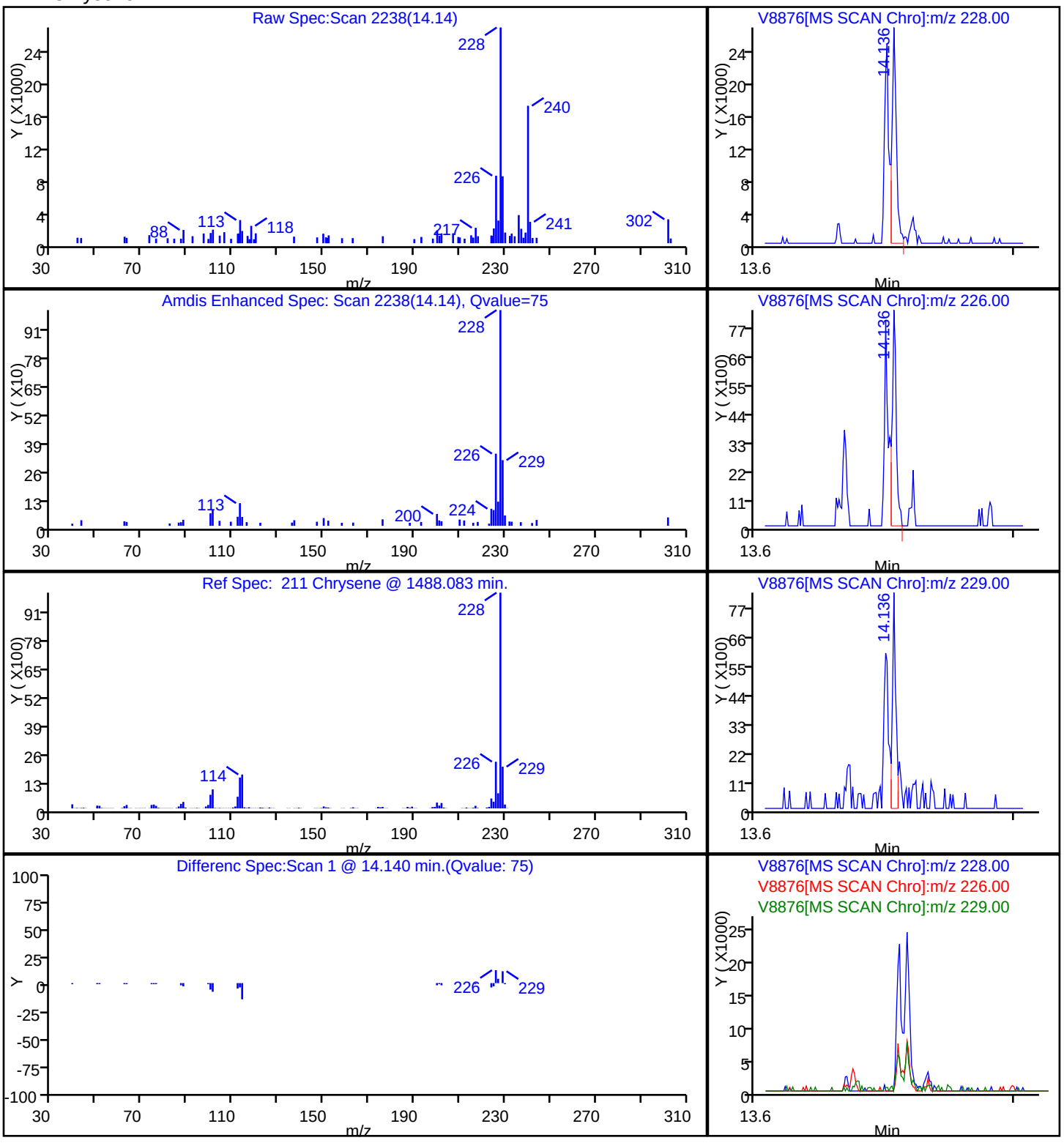
214 Benzo[k]fluoranthene



Report Date: 12-Apr-2012 11:29:15 Chrom Revision: 2.0 20-Feb-2012 13:27:02

Data File:	\\Bufchrom\ChromData\HP5973V\20120411-10911.b\V8876.D		
Injection Date:	12-Apr-2012 03:07:30	Limit Group:	MB - 8270C ICAL
Client ID:	DUP-03	Instrument ID:	HP5973V
Lims Batch ID:	59155	Lims Sample ID:	18
Operator ID:	HL	Injection Vol:	1.00 ul
Column Type:	RXI-5Sil MS	Column Dia:	0.25 mm

211 Chrysene

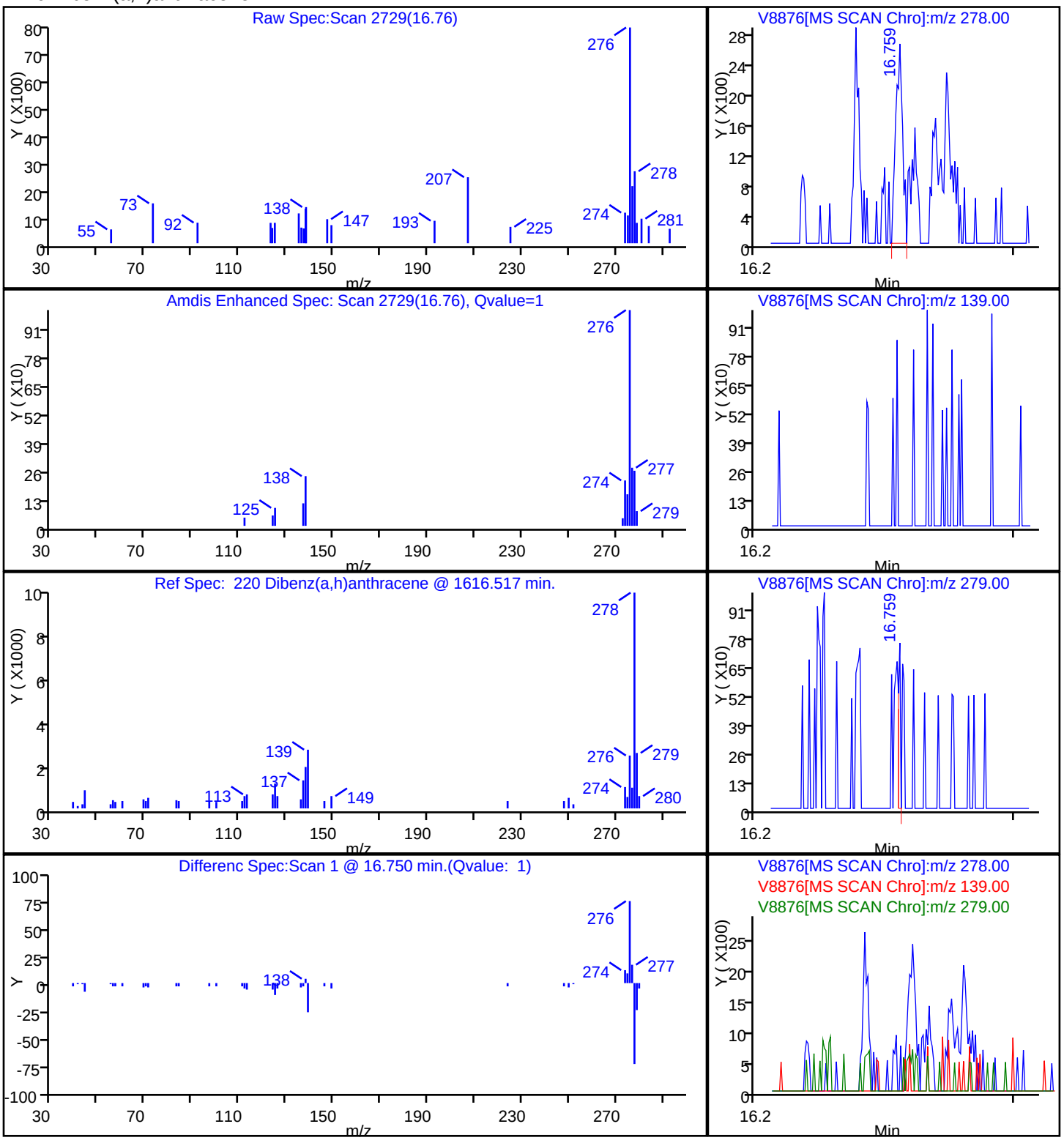


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Injection Date:	12-Apr-2012 03:07:30	Limit Group:	MB - 8270C ICAL
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Lims Batch ID:	59155	Lims Sample ID:	18
Operator ID:	HL	Injection Vol:	1.00 ul
Column Type:	RXI-5Sil MS	Column Dia:	0.25 mm

220 Dibenz(a,h)anthracene

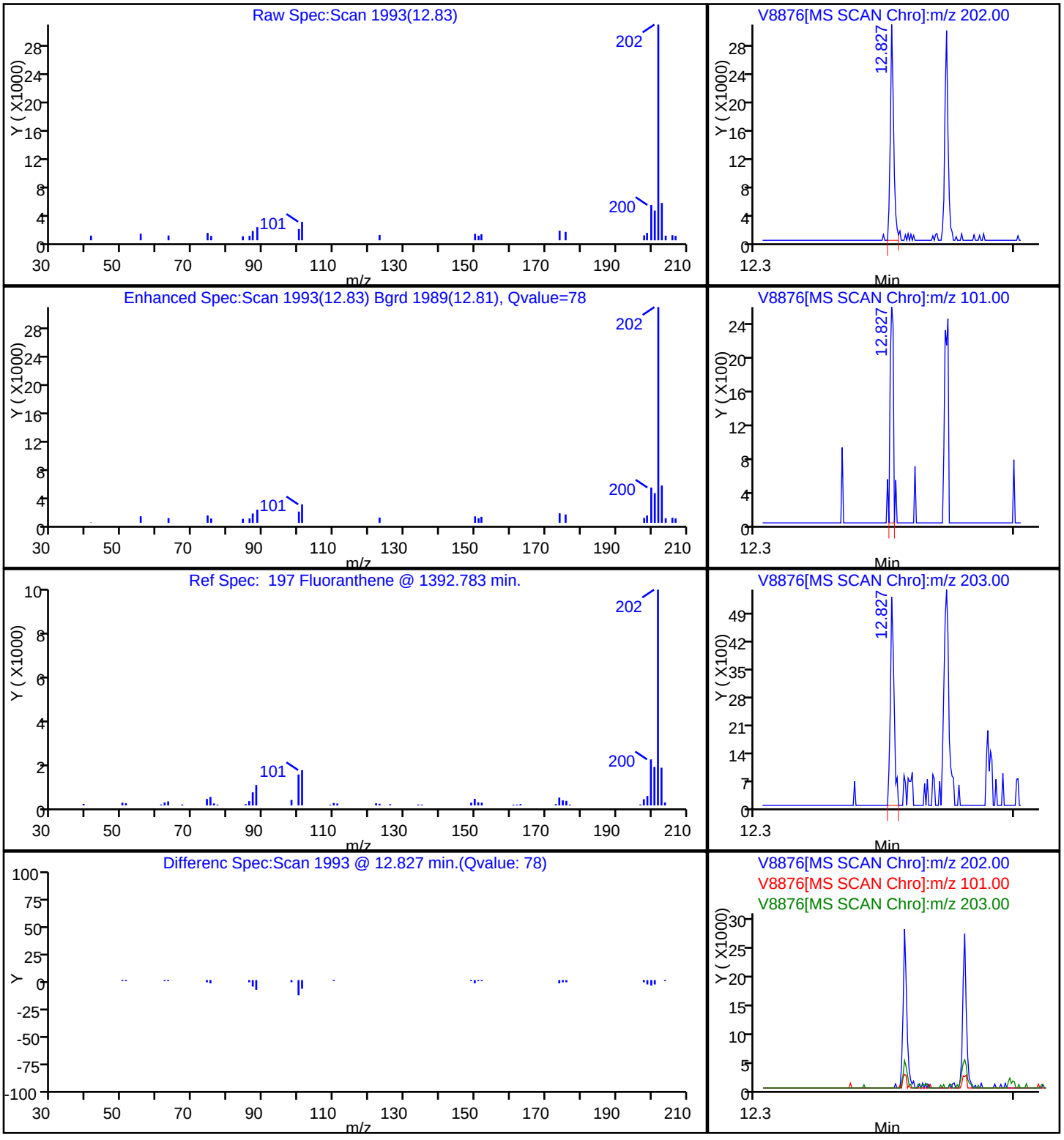


Report Date: 12-Apr-2012 11:29:15 Chrom Revision: 2.0 20-Feb-2012 13:27:02

Data File: \\Bufchrom\ChromData\HP5973V\20120411-10911.b\V8876.D

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Lims Batch ID:	59155	Lims Sample ID:	18
Operator ID:	HL	Injection Vol:	1.00 ul
Column Type:	RXI-5Sil MS	Column Dia:	0.25 mm

197 Fluoranthene

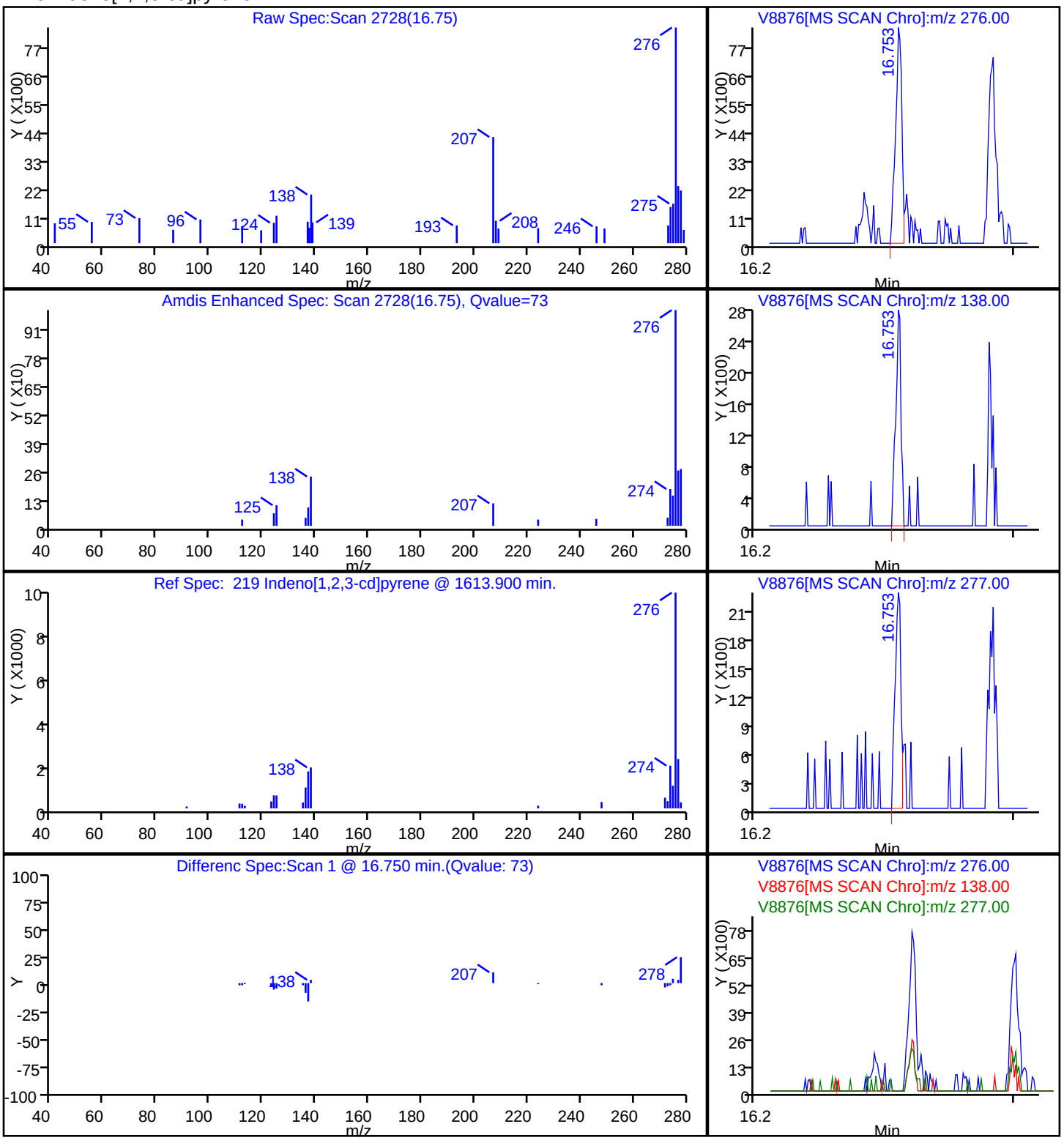


Report Date: 12-Apr-2012 11:29:15 Chrom Revision: 2.0 20-Feb-2012 13:27:02

Data File: \\Bufchrom\ChromData\HP5973V\20120411-10911.b\V8876.D

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Lims Batch ID:	59155	Lims Sample ID:	18
Operator ID:	HL	Injection Vol:	1.00 ul
Column Type:	RXI-5Sil MS	Column Dia:	0.25 mm

219 Indeno[1,2,3-cd]pyrene

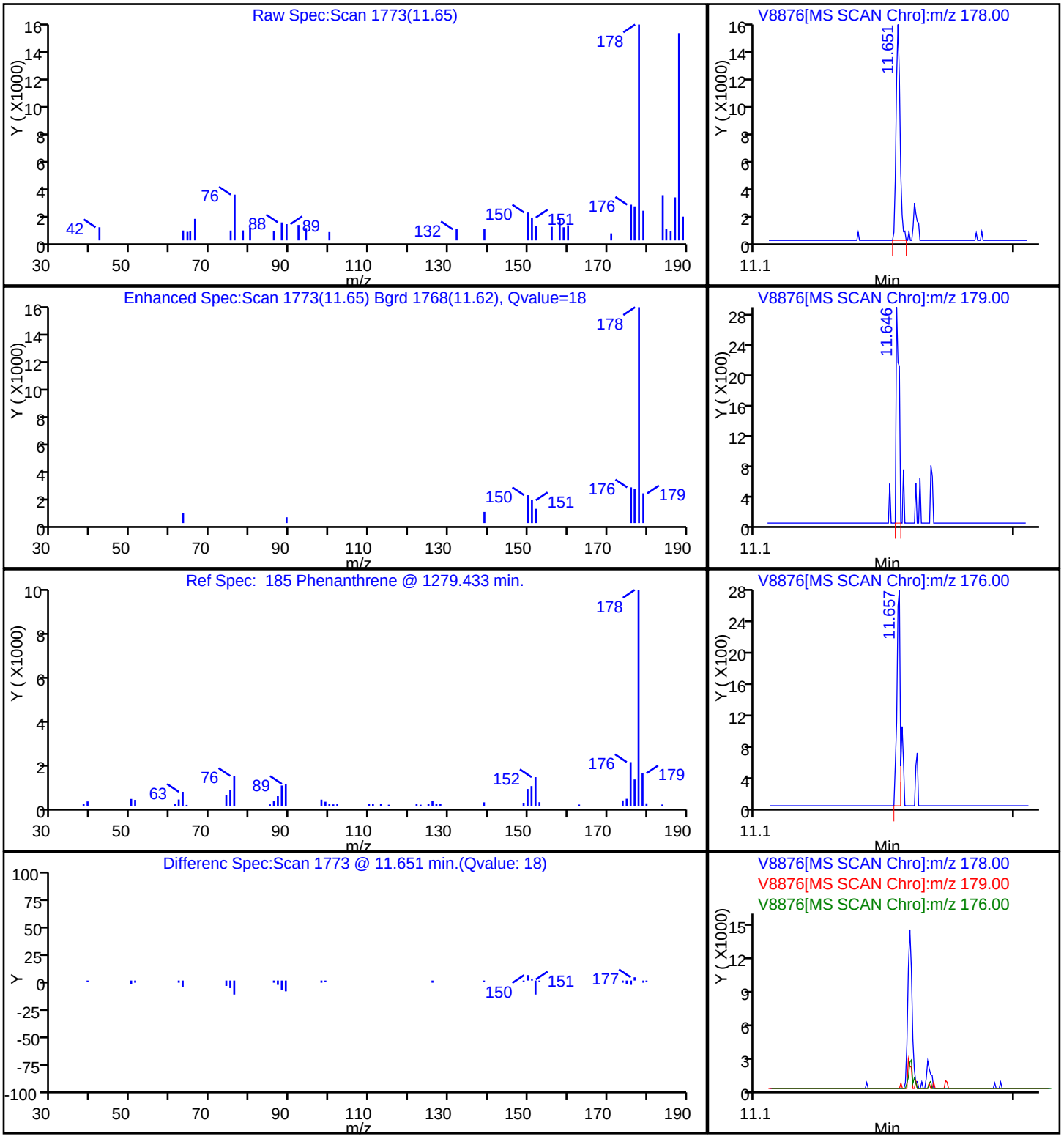


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Data File: \\Bufchrom\ChromData\HP5973V\20120411-10911.b\V8876.D

Injection Date:	12-Apr-2012 03:07:30	Limit Group:	MB - 8270C ICAL
Client ID:	DUP-03	Instrument ID:	HP5973V
Lims Batch ID:	59155	Lims Sample ID:	18
Operator ID:	HL	Injection Vol:	1.00 ul
Column Type:	RXI-5Sil MS	Column Dia:	0.25 mm

185 Phenanthrene

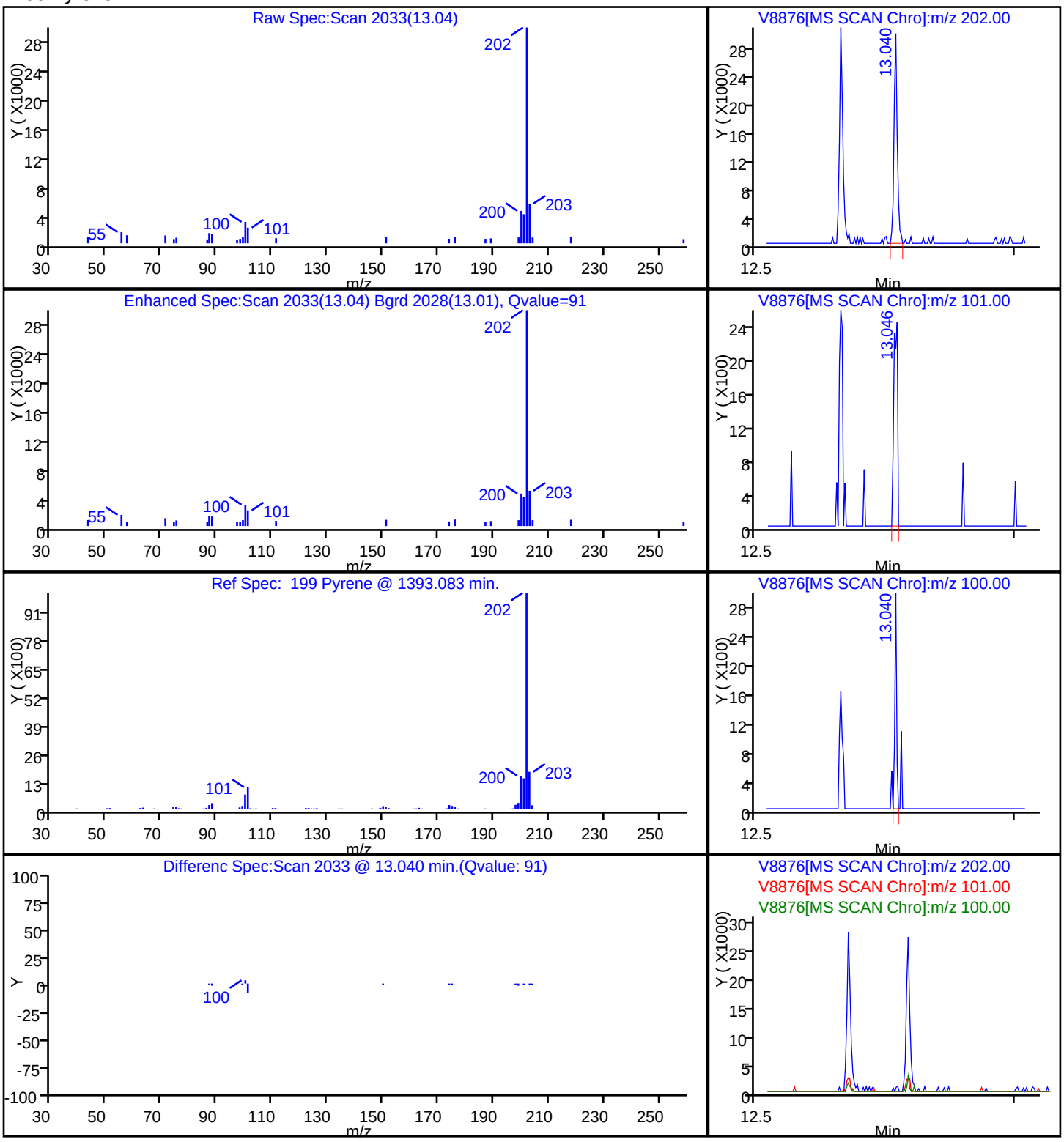


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Lims Batch ID:	59155	Lims Sample ID:	18
Operator ID:	HL	Injection Vol:	1.00 ul
Column Type:	RXI-5Sil MS	Column Dia:	0.25 mm

199 Pyrene



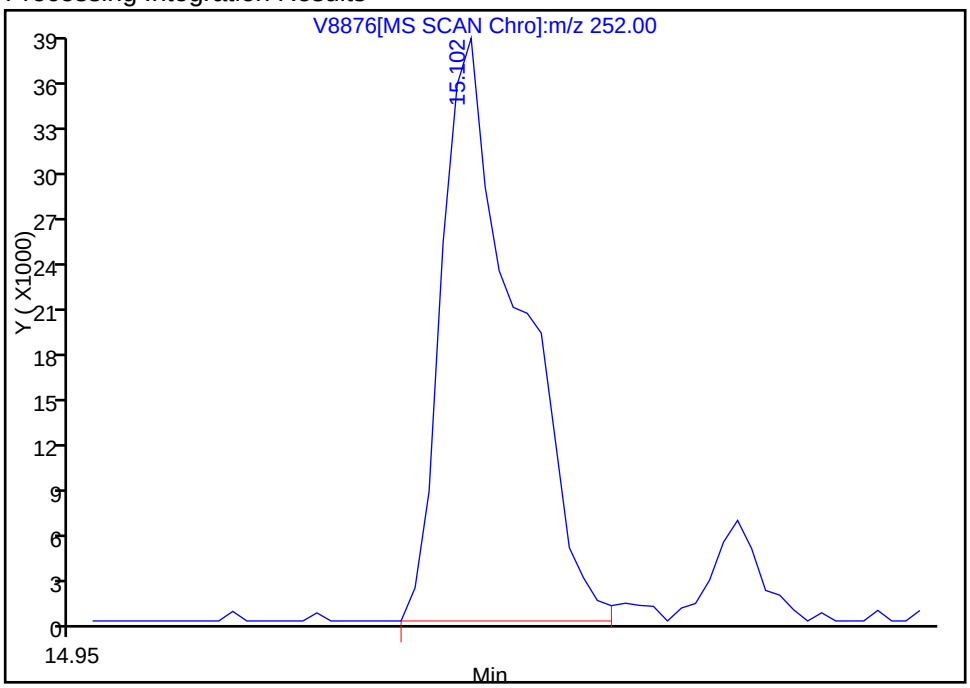
Manual Integration/User Assign Peak Report

Data File:	\\Bufchrom\ChromData\HP5973V\20120411-10911.b\V8876.D		
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Client ID:	DUP-03	Instrument ID:	HP5973V
Lims Batch ID:	59155	Lims Sample ID:	18
Operator ID:	HL	Injection Vol:	1.00 ul
Column Type:	RXI-5Sil MS	Column Dia:	0.25 mm

213 Benzo[b]fluoranthene, Signal: 1, m/z: 252.0 Type: quant, RT: 15.10

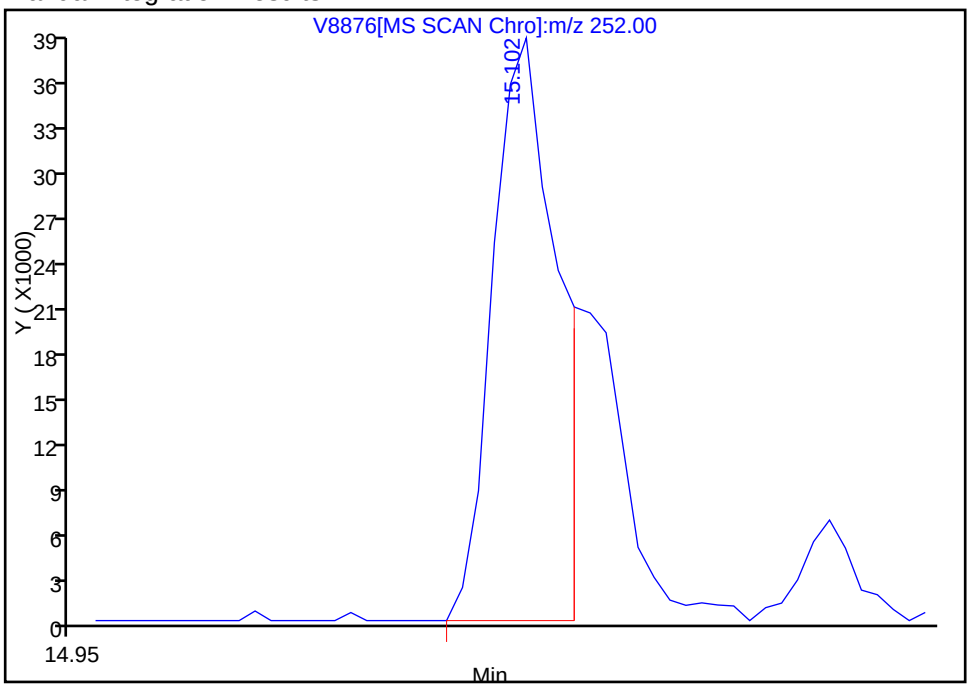
Processing Integration Results

RT: 15.10
Response: 78393
Amount: 5.130160



Manual Integration Results

RT: 15.10
Response: 58637
Amount: 3.837296



Reviewer: lyh, 12-Apr-2012 11:29:15
Audit Action: Split an Integrated Peak
Audit Reason: Coelution

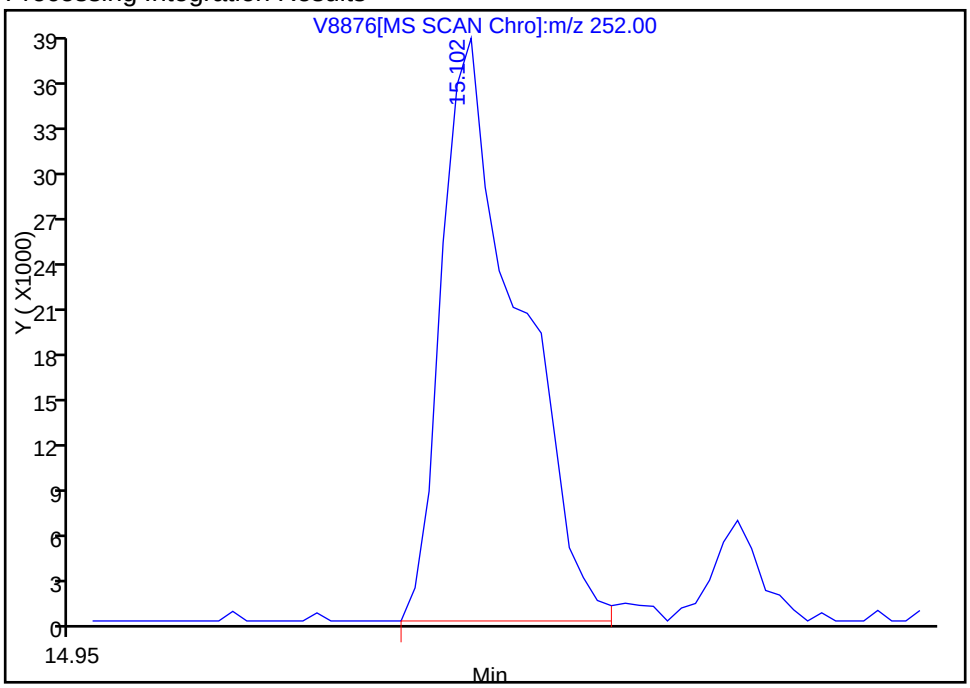
Manual Integration/User Assign Peak Report

Data File:	\\Bufchrom\ChromData\HP5973V\20120411-10911.b\V8876.D		
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Client ID:	DUP-03	Instrument ID:	HP5973V
Lims Batch ID:	59155	Lims Sample ID:	18
Operator ID:	HL	Injection Vol:	1.00 ul
Column Type:	RXI-5Sil MS	Column Dia:	0.25 mm

214 Benzo[k]fluoranthene, Signal: 1, m/z: 252.0 Type: quant, RT: 15.13

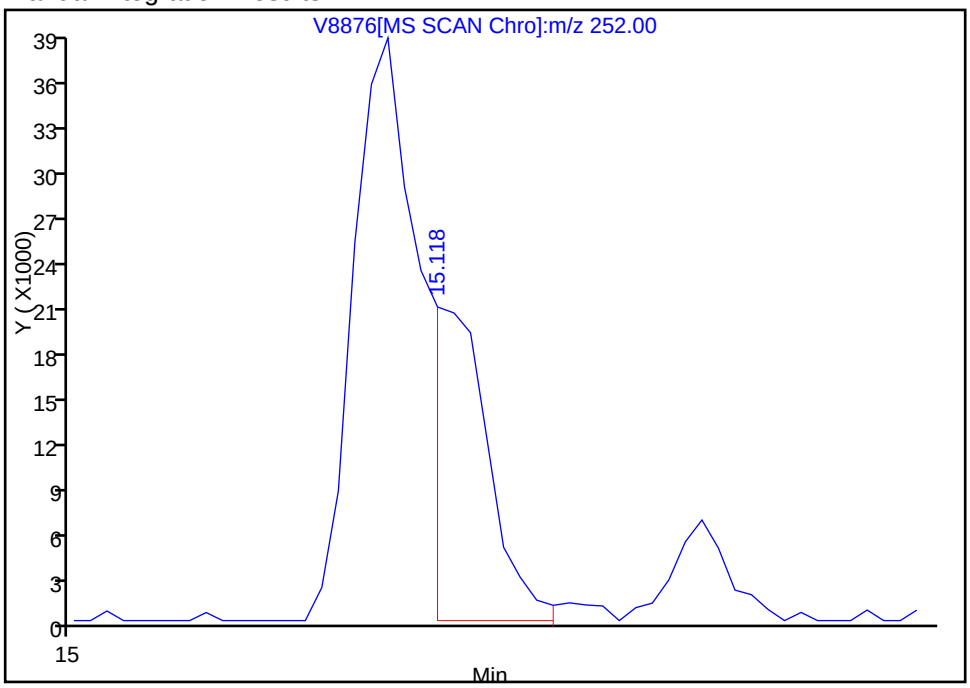
Processing Integration Results

RT: 15.10
Response: 78393
Amount: 4.473019



Manual Integration Results

RT: 15.12
Response: 26423
Amount: 1.507668



Reviewer: lyh, 12-Apr-2012 11:29:15
Audit Action: Split an Integrated Peak
Audit Reason: Coelution

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

Lab Name: TestAmerica Buffalo Job No.: 480-18292-1 Analy Batch No.: 53870

SDG No.:

Instrument ID: HP5973V GC Column: RXI-5Sil MS ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 03/05/2012 14:58 Calibration End Date: 03/05/2012 16:58 Calibration ID: 6218

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 480-53870/8	V7103.D
Level 2	IC 480-53870/9	V7104.D
Level 3	IC 480-53870/10	V7105.D
Level 4	IC 480-53870/11	V7106.D
Level 5	IC 480-53870/12	V7107.D
Level 6	IC 480-53870/13	V7108.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	1.1299 1.1462	1.1594	1.2336	1.1695	1.1315	Ave		1.1617				3.3		15.0			
Acetophenone	1.9980 1.9997	2.0127	2.1894	2.0293	1.9717	Ave		2.0335				3.9		15.0			
Caprolactam	0.0434 0.0966	0.0838	0.0925	0.0992	0.0931	Lin1	-0.271	0.0982							0.9990		0.9900
1,2,4,5-Tetrachlorobenzene	0.5326 0.5136	0.5393	0.5352	0.5499	0.4929	Ave		0.5273				3.9		15.0			
Biphenyl	1.3963 1.3472	1.3738	1.4150	1.4050	1.2890	Ave		1.3711				3.4		15.0			
2,3,4,6-Tetrachlorophenol	0.1582 0.2898	0.2313	0.2830	0.2897	0.2807	Lin1	-0.751	0.2926							0.9990		0.9900
Atrazine	0.3001 0.3613	0.3547	0.3447	0.3608	0.3442	Ave		0.3443				6.6		15.0			

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

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

Lab Name: TestAmerica Buffalo Job No.: 480-18292-1 Analy Batch No.: 53870

SDG No.:

Instrument ID: HP5973V GC Column: RXI-5Sil MS ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 03/05/2012 14:58 Calibration End Date: 03/05/2012 16:58 Calibration ID: 6218

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 480-53870/8	V7103.D
Level 2	IC 480-53870/9	V7104.D
Level 3	IC 480-53870/10	V7105.D
Level 4	IC 480-53870/11	V7106.D
Level 5	IC 480-53870/12	V7107.D
Level 6	IC 480-53870/13	V7108.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	14831 436814	56021	135035	207676	326744	5.00 160	20.0	50.0	80.0	120
Acetophenone	DCB	Ave	26226 762059	97251	239662	360351	569367	5.00 160	20.0	50.0	80.0	120
Caprolactam	NPT	Lin1	2387 150966	16268	43162	71377	110073	5.00 160	20.0	50.0	80.0	120
1,2,4,5-Tetrachlorobenzene	ANT	Ave	17822 515323	65351	154949	244569	380810	5.00 160	20.0	50.0	80.0	120
Biphenyl	ANT	Ave	46722 1351589	166487	409668	624843	995829	5.00 160	20.0	50.0	80.0	120
2,3,4,6-Tetrachlorophenol	ANT	Lin1	5295 290773	28030	81921	128827	216826	5.00 160	20.0	50.0	80.0	120
Atrazine	ANT	Ave	10043 362477	42989	99803	160435	265876	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\HP5973V\20120305-9958.b\V7103.D		
Lims ID:	IC 5 TCLADD	Client ID:	
Inject. Date:	05-Mar-2012 14:58:30	Dil. Factor:	1.0000
Sample Type:	IC	Calib Level:	1
Sample ID:	480-0009958-008		
Misc. Info.:	IC 120		
Operator:	KLP	Instrument ID:	HP5973V
Vol. Injected:	1.0000	ALS Bottle#:	7
Lims Batch ID:	53870	Lims Sample ID:	8
Sublist:	chrom-V-8270*sub1		
Detector:	MS SCAN		
Method:	\\Bufchrom\ChromData\HP5973V\20120305-9958.b\V-8270.m		
Last Update:	05-Mar-2012 17:24:49	Calib Date:	05-Mar-2012 16:58:30
Quant Method:	Internal Standard	Quant By:	Initial Calibration
Last ICal File:	\\Bufchrom\ChromData\HP5973V\20120305-9958.b\V7108.D		
Limit Group:	MB - 8270C ICAL		
Integrator:	RTE	ID Type:	Deconvolution ID
Process Host:	CORP-CTX-19		
First Level Reviewer: pfenderk		Date:	05-Mar-2012 17:24:49

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ng/uL	Flags
* 1 1,4-Dichlorobenzene-d4	152	6.028	6.028	0.0	97	105010	40.0	
* 2 Naphthalene-d8	136	7.684	7.684	0.0	100	440282	40.0	
* 3 Acenaphthene-d10	164	9.950	9.950	0.0	92	267699	40.0	
* 4 Phenanthrene-d10	188	11.643	11.643	0.0	98	503751	40.0	
* 5 Chrysene-d12	240	14.133	14.132	0.0	98	472072	40.0	
* 6 Perylene-d12	264	15.511	15.511	0.0	95	440945	40.0	
88 Benzaldehyde	77	5.462	5.462	0.0	85	14831	4.86	
104 Acetophenone	105	6.557	6.557	0.0	90	26226	4.91	
127 Caprolactam	113	8.251	8.251	0.0	23	2387	4.97	M
138 1,2,4,5-Tetrachlorobenzene	216	8.828	8.828	0.0	80	17822	5.05	
144 1,1'-Biphenyl	154	9.218	9.218	0.0	88	46722	5.09	
158 2,3,4,6-Tetrachlorophenol	232	10.356	10.356	0.0	1	5295	5.27	
180 Atrazine	200	11.355	11.360	-0.005	57	10043	4.36	

QC Flag Legend

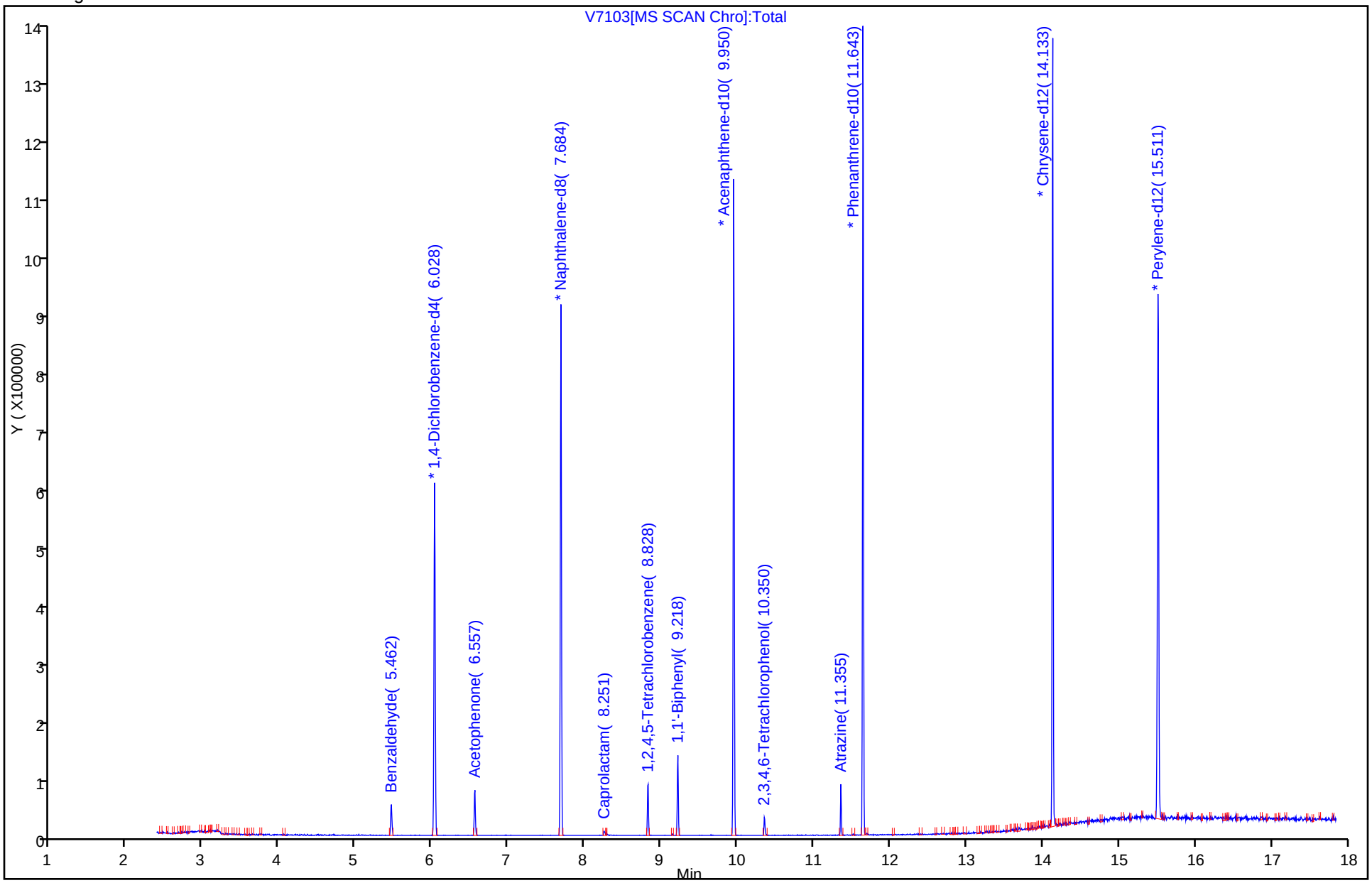
Review Flags
M - Manually Integrated

Report Date: 05-Mar-2012 17:24:49 Chrom Revision: 2.0 20-Feb-2012 13:27:02

Data File: \\Bufchrom\ChromData\HP5973V\20120305-9958.b\V7103.D

Injection Date:	05-Mar-2012 14:58:30	Limit Group:	MB - 8270C ICAL
Client ID:		Instrument ID:	HP5973V
Lims Batch ID:	53870	Lims Sample ID:	8
Operator ID:	KLP	Injection Vol:	1.00 ul
Column Type:	RXI-5Sil MS	Column Dia:	0.25 mm

Y Scaling:



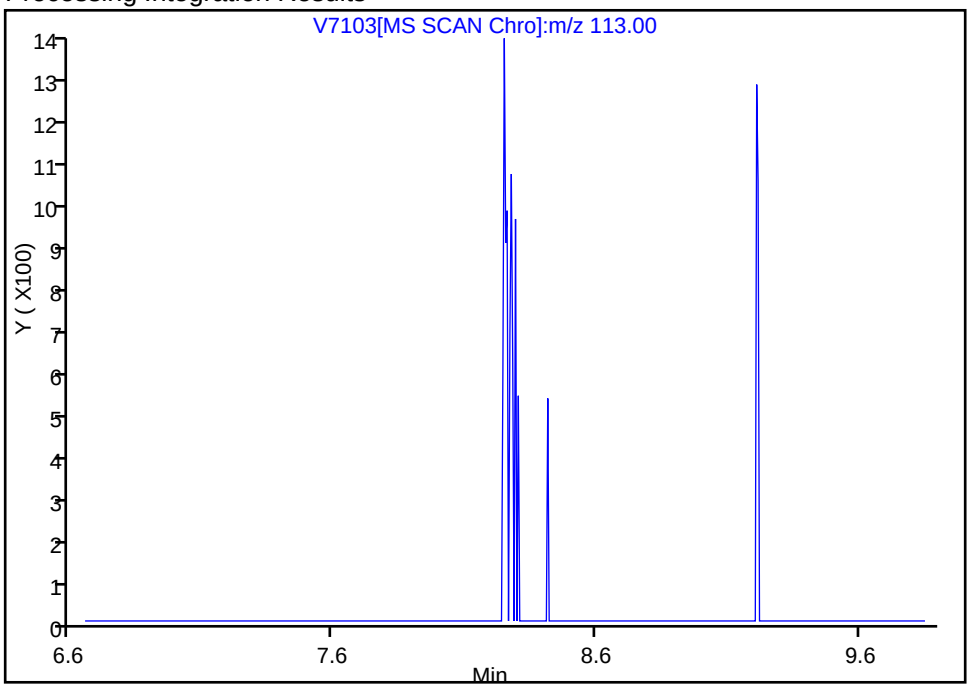
Manual Integration/User Assign Peak Report

Data File:	\\Bufchrom\ChromData\HP5973V\20120305-9958.b\V7103.D		
Injection Date:	05-Mar-2012 14:58:30	Limit Group:	MB - 8270C ICAL
Client ID:		Instrument ID:	HP5973V
Lims Batch ID:	53870	Lims Sample ID:	8
Operator ID:	KLP	Injection Vol:	1.00 ul
Column Type:	RXI-5Sil MS	Column Dia:	0.25 mm

127 Caprolactam, Signal: 1, m/z: 113.0 Type: quant, RT: 8.25

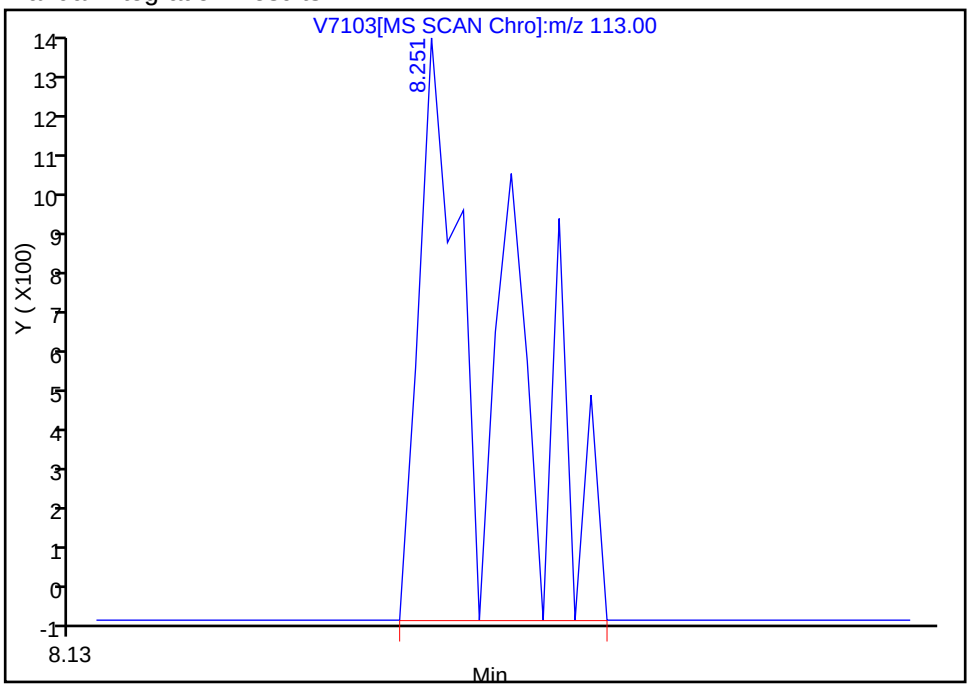
Not Detected
Expected RT: 8.25

Processing Integration Results



Manual Integration Results

RT: 8.25
Response: 2387
Amount: 4.966876



Reviewer: pfenderk, 05-Mar-2012 16:38:56
Audit Action: Manually Integrated
Audit Reason: Assign Peak

TestAmerica Laboratories
Target Compound Quantitation Report

Data File:	\\Bufchrom\ChromData\HP5973V\20120305-9958.b\V7104.D		
Lims ID:	IC 20 TCLADD	Client ID:	
Inject. Date:	05-Mar-2012 15:22:30	Dil. Factor:	1.0000
Sample Type:	IC	Calib Level:	2
Sample ID:	480-0009958-009		
Misc. Info.:	IC 20 TCLADD		
Operator:	KLP	Instrument ID:	HP5973V
Vol. Injected:	1.0000	ALS Bottle#:	8
Lims Batch ID:	53870	Lims Sample ID:	9
Sublist:	chrom-V-8270*sub1		
Detector:	MS SCAN		
Method:	\\Bufchrom\ChromData\HP5973V\20120305-9958.b\V-8270.m		
Last Update:	05-Mar-2012 17:24:54	Calib Date:	05-Mar-2012 16:58:30
Quant Method:	Internal Standard	Quant By:	Initial Calibration
Last ICal File:	\\Bufchrom\ChromData\HP5973V\20120305-9958.b\V7108.D		
Limit Group:	MB - 8270C ICAL		
Integrator:	RTE	ID Type:	Deconvolution ID
Process Host:	CORP-CTX-19		
First Level Reviewer: pfenderk		Date:	05-Mar-2012 17:24:54

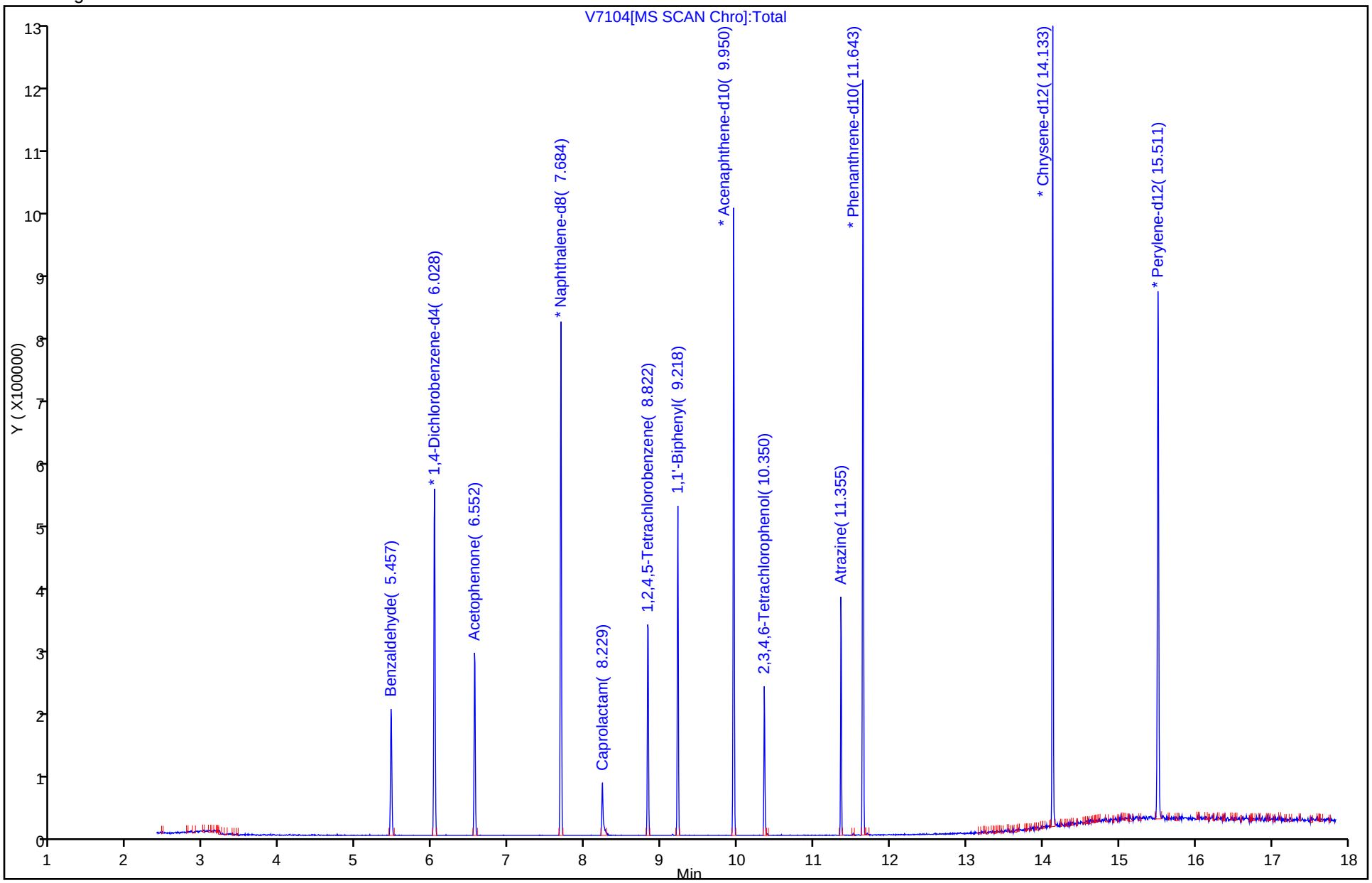
Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ng/uL	Flags
* 1 1,4-Dichlorobenzene-d4	152	6.028	6.028	0.0	96	96637	40.0	
* 2 Naphthalene-d8	136	7.684	7.684	0.0	99	388187	40.0	
* 3 Acenaphthene-d10	164	9.950	9.950	0.0	89	242373	40.0	
* 4 Phenanthrene-d10	188	11.643	11.643	0.0	98	439286	40.0	
* 5 Chrysene-d12	240	14.133	14.132	0.001	97	426124	40.0	
* 6 Perylene-d12	264	15.511	15.511	0.0	99	400859	40.0	
88 Benzaldehyde	77	5.457	5.462	-0.005	90	56021	20.0	
104 Acetophenone	105	6.552	6.557	-0.005	91	97251	19.8	
127 Caprolactam	113	8.229	8.251	-0.022	68	16268	19.8	
138 1,2,4,5-Tetrachlorobenzene	216	8.828	8.828	0.0	98	65351	20.5	
144 1,1'-Biphenyl	154	9.218	9.218	0.0	95	166487	20.0	
158 2,3,4,6-Tetrachlorophenol	232	10.350	10.356	-0.006	70	28030	18.4	
180 Atrazine	200	11.355	11.360	-0.005	89	42989	20.6	

Report Date: 05-Mar-2012 17:24:54 Chrom Revision: 2.0 20-Feb-2012 13:27:02

Data File: \\Bufchrom\ChromData\HP5973V\20120305-9958.b\V7104.D

Injection Date:	05-Mar-2012 15:22:30	Limit Group:	MB - 8270C ICAL
Client ID:		Instrument ID:	HP5973V
Lims Batch ID:	53870	Lims Sample ID:	9
Operator ID:	KLP	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\HP5973V\20120305-9958.b\V7105.D		
Lims ID:	IC 50 TCLADD	Client ID:	
Inject. Date:	05-Mar-2012 15:46:30	Dil. Factor:	1.0000
Sample Type:	IC	Calib Level:	3
Sample ID:	480-0009958-010		
Misc. Info.:	IC 50 TCLADD		
Operator:	KLP	Instrument ID:	HP5973V
Vol. Injected:	1.0000	ALS Bottle#:	9
Lims Batch ID:	53870	Lims Sample ID:	10
Sublist:	chrom-V-8270*sub1		
Detector:	MS SCAN		
Method:	\\Bufchrom\ChromData\HP5973V\20120305-9958.b\V-8270.m		
Last Update:	05-Mar-2012 17:24:59	Calib Date:	05-Mar-2012 16:58:30
Quant Method:	Internal Standard	Quant By:	Initial Calibration
Last ICal File:	\\Bufchrom\ChromData\HP5973V\20120305-9958.b\V7108.D		
Limit Group:	MB - 8270C ICAL		
Integrator:	RTE	ID Type:	Deconvolution ID
Process Host:	CORP-CTX-19		
First Level Reviewer: pfenderk		Date:	05-Mar-2012 17:24:59

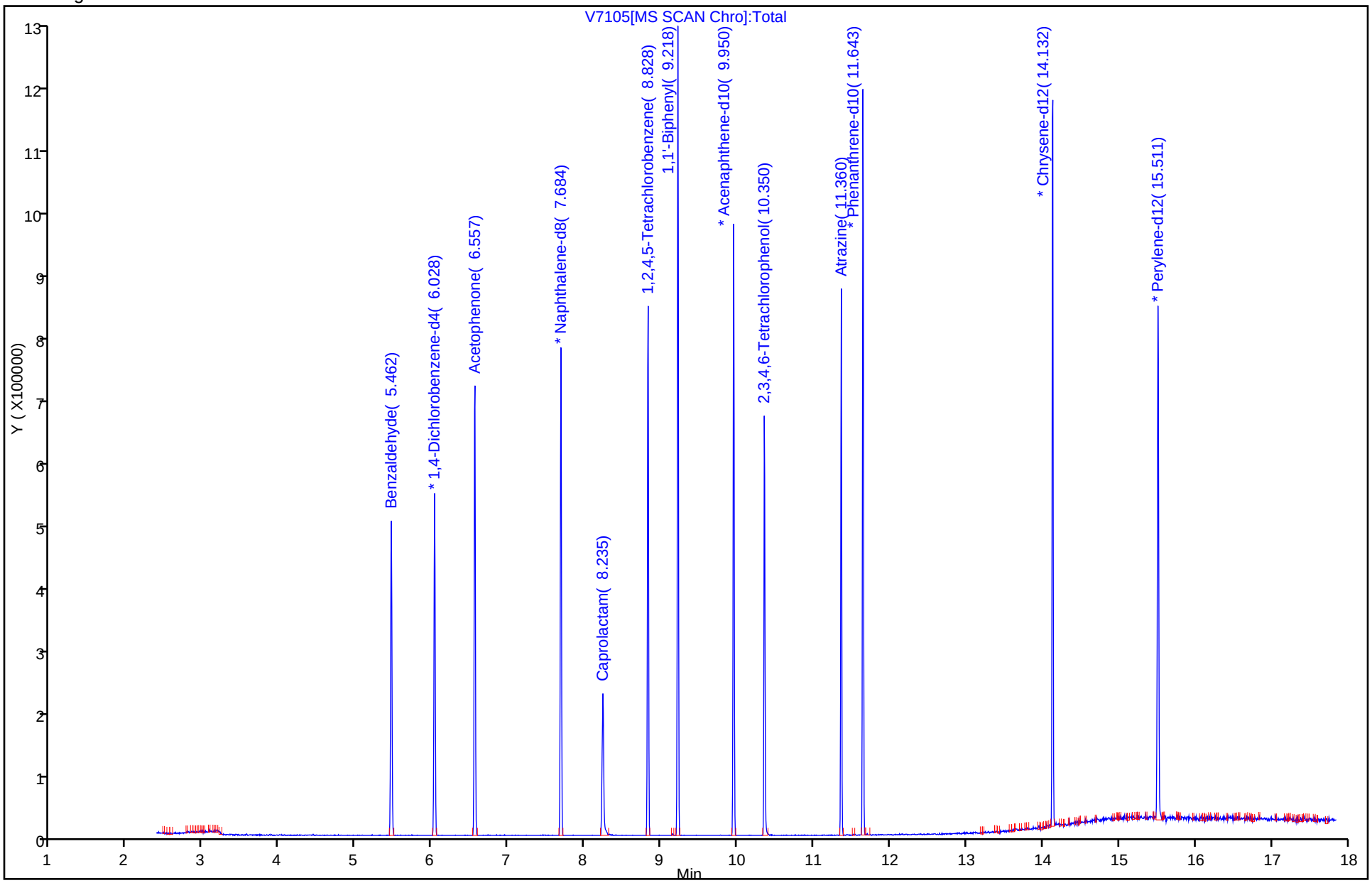
Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ng/uL	Flags
* 1 1,4-Dichlorobenzene-d4	152	6.028	6.028	0.0	97	87573	40.0	
* 2 Naphthalene-d8	136	7.684	7.684	0.0	99	373286	40.0	
* 3 Acenaphthene-d10	164	9.950	9.950	0.0	90	231607	40.0	
* 4 Phenanthrene-d10	188	11.643	11.643	0.0	98	427087	40.0	
* 5 Chrysene-d12	240	14.132	14.132	0.0	97	412500	40.0	
* 6 Perylene-d12	264	15.511	15.511	0.0	98	393868	40.0	
88 Benzaldehyde	77	5.462	5.462	0.0	90	135035	53.1	
104 Acetophenone	105	6.557	6.557	0.0	94	239662	53.8	
127 Caprolactam	113	8.235	8.235	0.0	72	43162	49.9	
138 1,2,4,5-Tetrachlorobenzene	216	8.828	8.828	0.0	98	154949	50.8	
144 1,1'-Biphenyl	154	9.218	9.218	0.0	95	409668	51.6	
158 2,3,4,6-Tetrachlorophenol	232	10.350	10.350	0.0	75	81921	50.9	
180 Atrazine	200	11.360	11.360	0.0	91	99803	50.1	

Report Date: 05-Mar-2012 17:24:59 Chrom Revision: 2.0 20-Feb-2012 13:27:02

Data File: \\Bufchrom\ChromData\HP5973V\20120305-9958.b\V7105.D

Injection Date:	05-Mar-2012 15:46:30	Limit Group:	MB - 8270C ICAL
Client ID:		Instrument ID:	HP5973V
Lims Batch ID:	53870	Lims Sample ID:	10
Operator ID:	KLP	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\HP5973V\20120305-9958.b\V7106.D		
Lims ID:	IC 80 TCLADD	Client ID:	
Inject. Date:	05-Mar-2012 16:10:30	Dil. Factor:	1.0000
Sample Type:	IC	Calib Level:	4
Sample ID:	480-0009958-011		
Misc. Info.:	IC 80 TCLADD		
Operator:	KLP	Instrument ID:	HP5973V
Vol. Injected:	1.0000	ALS Bottle#:	10
Lims Batch ID:	53870	Lims Sample ID:	11
Sublist:	chrom-V-8270*sub1		
Detector:	MS SCAN		
Method:	\\Bufchrom\ChromData\HP5973V\20120305-9958.b\V-8270.m		
Last Update:	05-Mar-2012 17:25:03	Calib Date:	05-Mar-2012 16:58:30
Quant Method:	Internal Standard	Quant By:	Initial Calibration
Last ICal File:	\\Bufchrom\ChromData\HP5973V\20120305-9958.b\V7108.D		
Limit Group:	MB - 8270C ICAL		
Integrator:	RTE	ID Type:	Deconvolution ID
Process Host:	CORP-CTX-19		
First Level Reviewer: pfenderk		Date:	05-Mar-2012 17:25:03

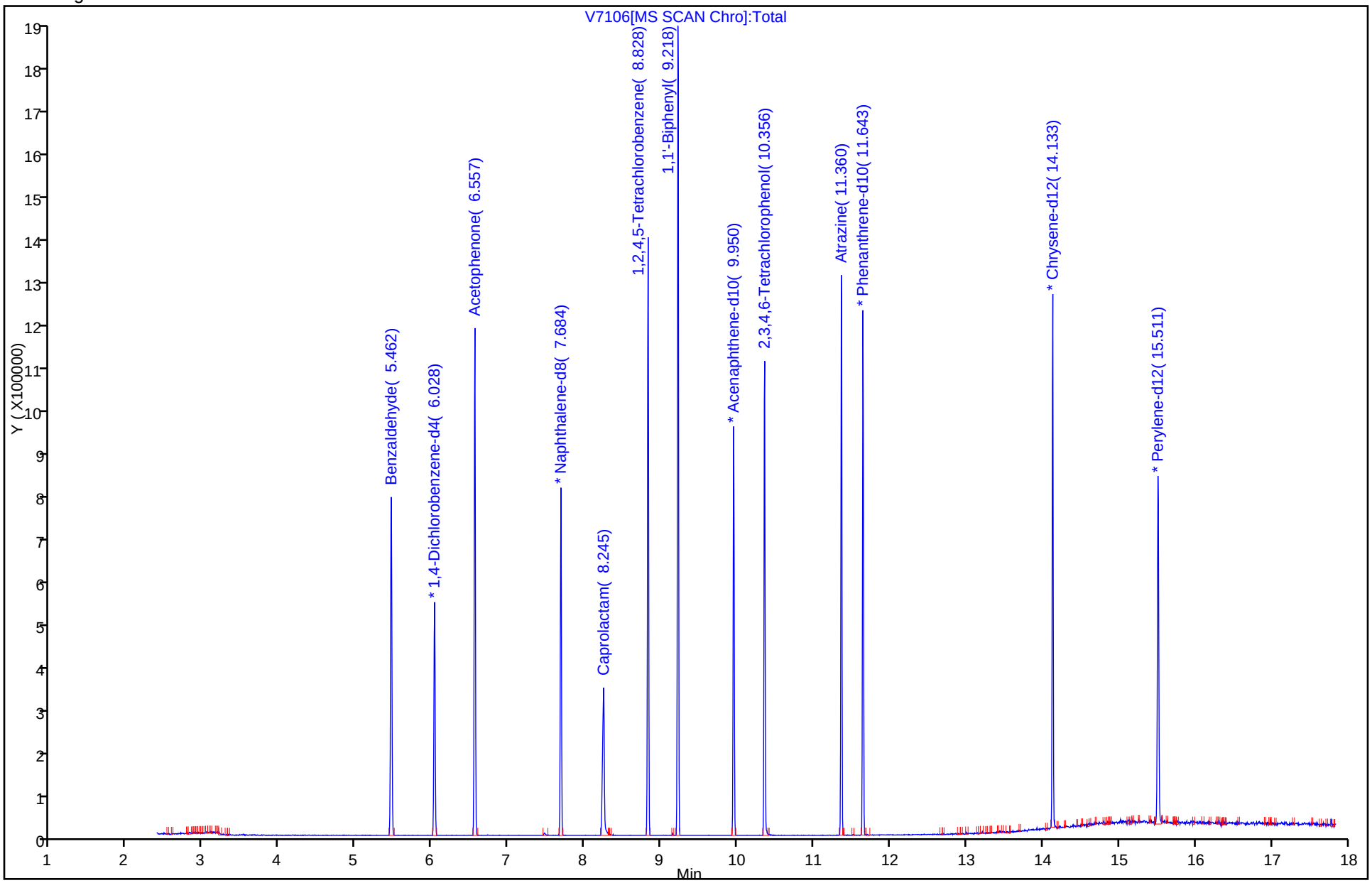
Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ng/uL	Flags
* 1 1,4-Dichlorobenzene-d4	152	6.028	6.028	0.0	96	88789	40.0	
* 2 Naphthalene-d8	136	7.684	7.684	0.0	99	359777	40.0	
* 3 Acenaphthene-d10	164	9.950	9.950	0.0	92	222363	40.0	
* 4 Phenanthrene-d10	188	11.643	11.643	0.0	98	417145	40.0	
* 5 Chrysene-d12	240	14.133	14.132	0.001	94	409950	40.0	
* 6 Perylene-d12	264	15.511	15.511	0.0	99	380406	40.0	
88 Benzaldehyde	77	5.462	5.462	0.0	93	207676	80.5	
104 Acetophenone	105	6.557	6.557	0.0	93	360351	79.8	
127 Caprolactam	113	8.245	8.235	0.010	72	71377	83.6	
138 1,2,4,5-Tetrachlorobenzene	216	8.828	8.828	0.0	99	244569	83.4	
144 1,1'-Biphenyl	154	9.218	9.218	0.0	95	624843	82.0	
158 2,3,4,6-Tetrachlorophenol	232	10.356	10.350	0.006	73	128827	81.8	
180 Atrazine	200	11.360	11.360	0.0	92	160435	83.8	

Report Date: 05-Mar-2012 17:25:04 Chrom Revision: 2.0 20-Feb-2012 13:27:02

Data File: \\Bufchrom\ChromData\HP5973V\20120305-9958.b\V7106.D

Injection Date:	05-Mar-2012 16:10:30	Limit Group:	MB - 8270C ICAL
Client ID:		Instrument ID:	HP5973V
Lims Batch ID:	53870	Lims Sample ID:	11
Operator ID:	KLP	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\HP5973V\20120305-9958.b\V7107.D		
Lims ID:	IC 120 TCLADD	Client ID:	
Inject. Date:	05-Mar-2012 16:34:30	Dil. Factor:	1.0000
Sample Type:	IC	Calib Level:	5
Sample ID:	480-0009958-012		
Misc. Info.:	IC 120 TCLADD		
Operator:	KLP	Instrument ID:	HP5973V
Vol. Injected:	1.0000	ALS Bottle#:	11
Lims Batch ID:	53870	Lims Sample ID:	12
Sublist:	chrom-V-8270*sub1		
Detector:	MS SCAN		
Method:	\\Bufchrom\ChromData\HP5973V\20120305-9958.b\V-8270.m		
Last Update:	05-Mar-2012 17:25:08	Calib Date:	05-Mar-2012 16:58:30
Quant Method:	Internal Standard	Quant By:	Initial Calibration
Last ICal File:	\\Bufchrom\ChromData\HP5973V\20120305-9958.b\V7108.D		
Limit Group:	MB - 8270C ICAL		
Integrator:	RTE	ID Type:	Deconvolution ID
Process Host:	CORP-CTX-19		
First Level Reviewer: pfenderk		Date:	05-Mar-2012 17:25:08

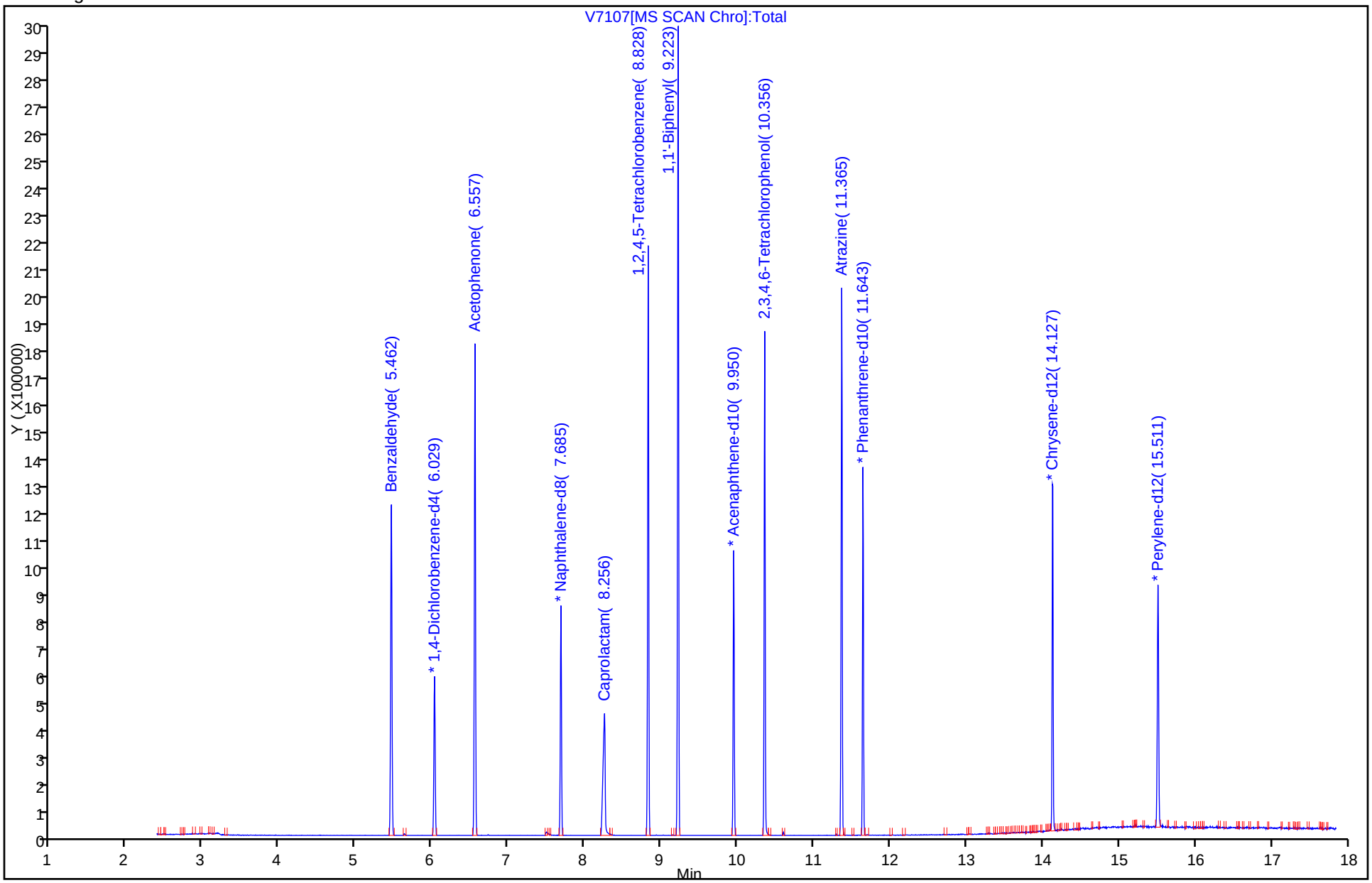
Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ng/uL	Flags
* 1 1,4-Dichlorobenzene-d4	152	6.029	6.028	0.001	97	96255	40.0	
* 2 Naphthalene-d8	136	7.685	7.684	0.001	99	394042	40.0	
* 3 Acenaphthene-d10	164	9.950	9.950	0.0	90	257517	40.0	
* 4 Phenanthrene-d10	188	11.643	11.643	0.0	97	470098	40.0	
* 5 Chrysene-d12	240	14.133	14.132	0.001	97	457193	40.0	
* 6 Perylene-d12	264	15.511	15.511	0.0	99	423096	40.0	
88 Benzaldehyde	77	5.462	5.462	0.0	90	326744	116.9	
104 Acetophenone	105	6.557	6.557	0.0	94	569367	116.4	
127 Caprolactam	113	8.256	8.235	0.021	73	110073	116.6	
138 1,2,4,5-Tetrachlorobenzene	216	8.828	8.828	0.0	99	380810	112.2	
144 1,1'-Biphenyl	154	9.223	9.218	0.005	96	995829	112.8	
158 2,3,4,6-Tetrachlorophenol	232	10.356	10.350	0.006	74	216826	117.7	
180 Atrazine	200	11.365	11.360	0.005	91	265876	119.9	

Report Date: 05-Mar-2012 17:25:08 Chrom Revision: 2.0 20-Feb-2012 13:27:02

Data File: \\Bufchrom\ChromData\HP5973V\20120305-9958.b\V7107.D

Injection Date:	05-Mar-2012 16:34:30	Limit Group:	MB - 8270C ICAL
Client ID:		Instrument ID:	HP5973V
Lims Batch ID:	53870	Lims Sample ID:	12
Operator ID:	KLP	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\HP5973V\20120305-9958.b\V7108.D		
Lims ID:	IC 160 TCLADD	Client ID:	
Inject. Date:	05-Mar-2012 16:58:30	Dil. Factor:	1.0000
Sample Type:	IC	Calib Level:	6
Sample ID:	480-0009958-013		
Misc. Info.:	IC 160 TCLADD		
Operator:	KLP	Instrument ID:	HP5973V
Vol. Injected:	1.0000	ALS Bottle#:	12
Lims Batch ID:	53870	Lims Sample ID:	13
Sublist:	chrom-V-8270*sub1		
Detector:	MS SCAN		
Method:	\\Bufchrom\ChromData\HP5973V\20120305-9958.b\V-8270.m		
Last Update:	05-Mar-2012 17:25:12	Calib Date:	05-Mar-2012 16:58:30
Quant Method:	Internal Standard	Quant By:	Initial Calibration
Last ICal File:	\\Bufchrom\ChromData\HP5973V\20120305-9958.b\V7108.D		
Limit Group:	MB - 8270C ICAL		
Integrator:	RTE	ID Type:	Deconvolution ID
Process Host:	CORP-CTX-19		
First Level Reviewer: pfenderk		Date:	05-Mar-2012 17:25:12

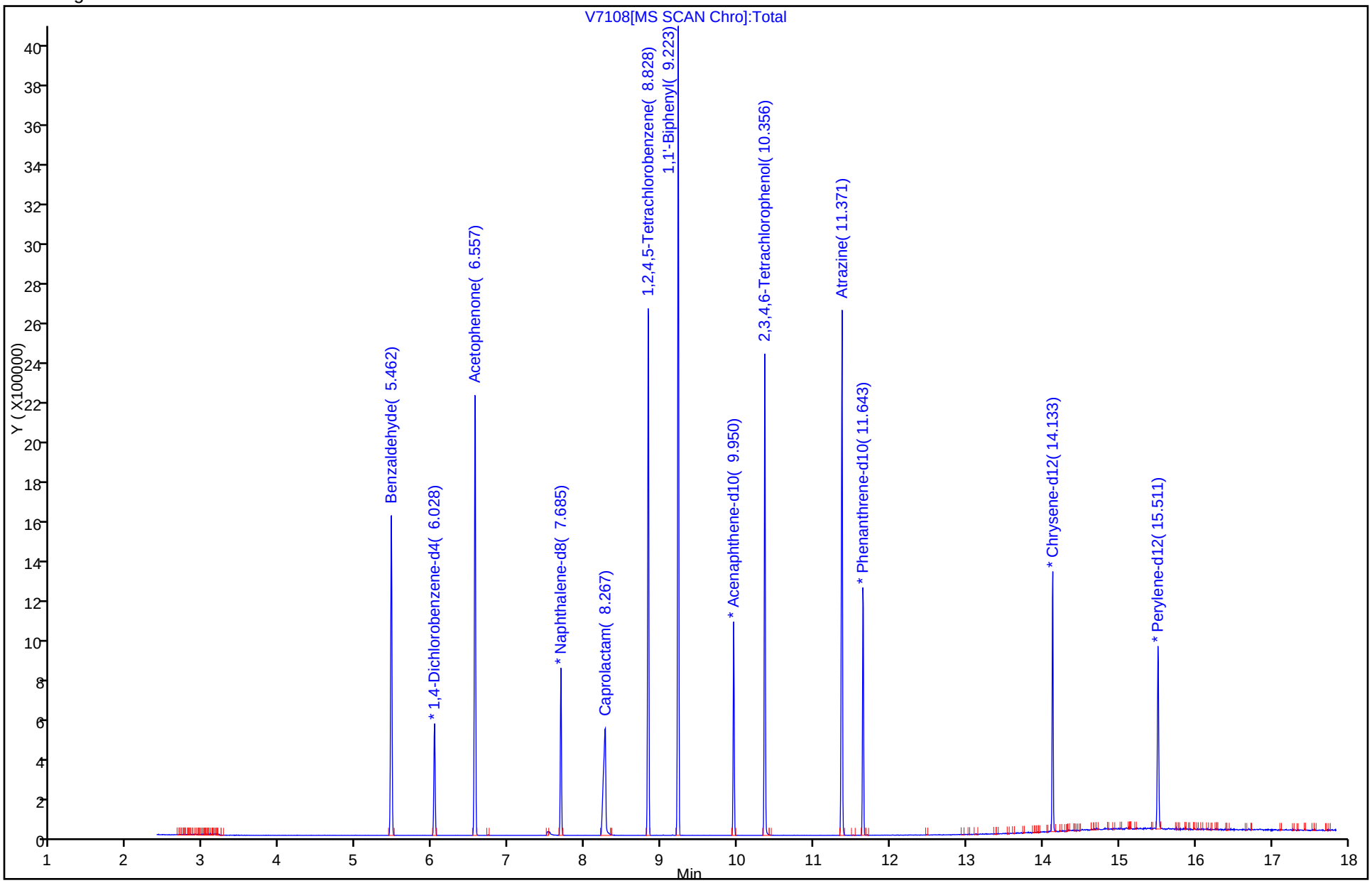
Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ng/uL	Flags
* 1 1,4-Dichlorobenzene-d4	152	6.028	6.028	0.0	97	95271	40.0	
* 2 Naphthalene-d8	136	7.685	7.684	0.0	99	390879	40.0	
* 3 Acenaphthene-d10	164	9.950	9.950	0.0	91	250818	40.0	
* 4 Phenanthrene-d10	188	11.643	11.643	0.0	97	471710	40.0	
* 5 Chrysene-d12	240	14.133	14.132	0.001	98	466101	40.0	
* 6 Perylene-d12	264	15.511	15.511	0.0	99	432361	40.0	
88 Benzaldehyde	77	5.462	5.462	0.0	90	436814	157.9	
104 Acetophenone	105	6.557	6.557	0.0	95	762059	157.3	
127 Caprolactam	113	8.261	8.235	0.026	78	150966	160.1	
138 1,2,4,5-Tetrachlorobenzene	216	8.833	8.828	0.005	99	515323	155.9	
144 1,1'-Biphenyl	154	9.223	9.218	0.005	95	1351589	157.2	
158 2,3,4,6-Tetrachlorophenol	232	10.361	10.350	0.011	74	290773	161.0	
180 Atrazine	200	11.371	11.360	0.011	91	362477	167.9	

Report Date: 05-Mar-2012 17:25:12 Chrom Revision: 2.0 20-Feb-2012 13:27:02

Data File: \\Bufchrom\ChromData\HP5973V\20120305-9958.b\V7108.D

Injection Date:	05-Mar-2012 16:58:30	Limit Group:	MB - 8270C ICAL
Client ID:		Instrument ID:	HP5973V
Lims Batch ID:	53870	Lims Sample ID:	13
Operator ID:	KLP	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.: 480-18292-1 Analy Batch No.: 58695

SDG No.:

Instrument ID: HP5973V GC Column: RXI-5Sil MS ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 04/09/2012 14:10 Calibration End Date: 04/09/2012 16:15 Calibration ID: 7318

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 480-58695/2	V8758.D
Level 2	IC 480-58695/3	V8759.D
Level 3	ICIS 480-58695/4	V8760.D
Level 4	IC 480-58695/5	V8761.D
Level 5	IC 480-58695/6	V8762.D
Level 6	IC 480-58695/7	V8763.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	0.7162 0.7615	0.7311	0.7709	0.8257	0.7484	Ave		0.7590				5.0		15.0			
Pyridine	0.6777 0.7387	0.7569	0.7914	0.7305	0.7254	Ave		0.7368				5.1		15.0			
Phenol	1.7848 1.9097	1.7930	1.8810	1.8917	1.9100	Ave		1.8617				3.1		15.0			
Aniline	2.3741 2.2725	2.3388	2.2469	2.3542	2.2093	Ave		2.2993				2.9		15.0			
Bis(2-chloroethyl)ether	1.6003 1.3987	1.4236	1.4549	1.4655	1.3769	Ave		1.4533				5.5		15.0			
2-Chlorophenol	1.2397 1.3320	1.3379	1.3343	1.3532	1.2750	Ave		1.3120				3.4		15.0			
1,3-Dichlorobenzene	1.5614 1.4966	1.6027	1.5785	1.5298	1.4295	Ave		1.5331				4.1		15.0			
1,4-Dichlorobenzene	1.5554 1.5487	1.5801	1.6134	1.6157	1.5144	Ave		1.5713				2.5		15.0			
Benzyl alcohol	0.6784 1.0027	0.8904	0.9775	0.9846	0.9434	Ave		0.9128				13.0		15.0			
1,2-Dichlorobenzene	1.5689 1.4447	1.4611	1.4607	1.4805	1.3993	Ave		1.4692				3.8		15.0			
2-Methylphenol	1.2672 1.2482	1.3125	1.2702	1.2498	1.2372	Ave		1.2642				2.1		15.0			
bis (2-chloroisopropyl) ether	1.1191 1.0194	1.0565	1.0632	1.0246	0.9675	Ave		1.0417				4.9		15.0			
N-Nitrosodi-n-propylamine	0.9432 1.1026	1.0814	1.1169	1.1477	1.0653	Ave		1.0762			0.0500	6.6		15.0			
4-Methylphenol	1.0893 1.3493	1.2708	1.3421	1.3440	1.3008	Ave		1.2827				7.8		15.0			
Hexachloroethane	0.4916 0.5786	0.6494	0.6116	0.5971	0.5628	Ave		0.5819				9.2		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.: 480-18292-1 Analy Batch No.: 58695

SDG No.:

Instrument ID: HP5973V GC Column: RXI-5Sil MS ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 04/09/2012 14:10 Calibration End Date: 04/09/2012 16:15 Calibration ID: 7318

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	0.4041 0.4352	0.4579	0.4655	0.4514	0.4345	Ave		0.4414				5.0		15.0			
Isophorone	0.7342 0.7400	0.7922	0.8061	0.7735	0.7332	Ave		0.7632				4.2		15.0			
2-Nitrophenol	0.1188 0.1831	0.1735	0.1844	0.1843	0.1810	Ave		0.1709				15.0		15.0			
2,4-Dimethylphenol	0.3260 0.3735	0.3674	0.3834	0.3791	0.3704	Ave		0.3666				5.7		15.0			
Tetraethyl lead	0.1606 0.1263	0.1660	0.1274	0.1439	0.1349	Ave		0.1432				12.0		15.0			
Bis(2-chloroethoxy)methane	0.4054 0.4097	0.4435	0.4366	0.4183	0.4100	Ave		0.4206				3.8		15.0			
2,4-Dichlorophenol	0.2564 0.2847	0.2695	0.2940	0.2882	0.2822	Ave		0.2792				4.9		15.0			
Benzoic acid	0.1652 0.2700	0.2006	0.2238	0.2331	0.2490	Lin1	-11.29	0.2876							0.9970		0.9900
1,2,4-Trichlorobenzene	0.3211 0.3211	0.3388	0.3423	0.3289	0.3130	Ave		0.3275				3.5		15.0			
Naphthalene	1.0513 0.9623	1.0460	1.0235	0.9987	0.9545	Ave		1.0061				4.1		15.0			
4-Chloroaniline	0.3449 0.3851	0.3841	0.3991	0.3979	0.3839	Ave		0.3825				5.2		15.0			
Hexachlorobutadiene	0.1940 0.1992	0.2215	0.2153	0.2002	0.1916	Ave		0.2037				5.9		15.0			
4-Chloro-3-methylphenol	0.2009 0.3175	0.3114	0.3259	0.3209	0.3110	Lin1	-0.496	0.3225							0.9990		0.9900
2-Methylnaphthalene	0.6686 0.6755	0.7186	0.7145	0.6972	0.6694	Ave		0.6906				3.3		15.0			
Hexachlorocyclopentadiene	0.2202 0.3612	0.3070	0.3460	0.3587	0.3632	Lin1	-0.822	0.3668			0.0500				1.0000		0.9900
2,4,6-Trichlorophenol	0.2287 0.3338	0.3393	0.3474	0.3431	0.3557	Ave		0.3247				15.0		15.0			
2,4,5-Trichlorophenol	0.2274 0.3514	0.3267	0.3527	0.3422	0.3704	Lin1	-0.674	0.3618							0.9990		0.9900
2-Chloronaphthalene	1.0217 0.9751	1.0375	1.0488	1.0225	1.0088	Ave		1.0191				2.5		15.0			
2-Nitroaniline	0.1775 0.3260	0.2820	0.3217	0.3302	0.3460	Lin1	-0.864	0.3400							0.9990		0.9900
Dimethyl phthalate	1.2366 1.1350	1.2737	1.2646	1.2394	1.2039	Ave		1.2255				4.1		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.: 480-18292-1 Analy Batch No.: 58695

SDG No.:

Instrument ID: HP5973V GC Column: RXI-5Sil MS ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 04/09/2012 14:10 Calibration End Date: 04/09/2012 16:15 Calibration ID: 7318

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	0.1611 0.2619	0.2463	0.2662	0.2717	0.2714	Lin1	-0.518	0.2721							0.9990		0.9900
Acenaphthylene	1.6954 1.5886	1.7532	1.7485	1.6955	1.6755	Ave		1.6928				3.5		15.0			
3-Nitroaniline	0.1373 0.2796	0.2373	0.2741	0.3020	0.2917	Lin1	-0.817	0.2941							0.9980		0.9900
Acenaphthene	1.0299 0.9845	1.0812	1.0264	1.0193	1.0039	Ave		1.0242				3.2		15.0			
2,4-Dinitrophenol	0.0435 0.1750	0.0880	0.1410	0.1545	0.1718	Lin1	-1.594	0.1813			0.0500				0.9980		0.9900
4-Nitrophenol	0.0387 0.2010	0.0539	0.1441	0.1743	0.1946	Lin1	-2.245	0.2082			0.0500				0.9910		0.9900
Dibenzofuran	1.5553 1.4709	1.5282	1.5516	1.5416	1.5239	Ave		1.5286				2.0		15.0			
2,4-Dinitrotoluene	0.2606 0.3582	0.3631	0.3924	0.3776	0.3758	Ave		0.3546				13.0		15.0			
Diethyl phthalate	1.2723 1.1612	1.2990	1.3123	1.2429	1.1960	Ave		1.2473				4.8		15.0			
Fluorene	1.2636 1.3335	1.3296	1.3246	1.3546	1.3508	Ave		1.3261				2.5		15.0			
4-Chlorophenyl phenyl ether	0.6372 0.6903	0.7025	0.6850	0.6775	0.6918	Ave		0.6807				3.4		15.0			
4-Nitroaniline	0.1261 0.2864	0.1889	0.2467	0.2667	0.2829	Lin1	-1.063	0.2856							0.9970		0.9900
4,6-Dinitro-2-methylphenol	0.0754 0.1481	0.1028	0.1250	0.1397	0.1411	Lin1	-0.850	0.1499							0.9990		0.9900
N-Nitrosodiphenylamine	0.4812 0.5065	0.5068	0.5156	0.5073	0.5062	Ave		0.5039				2.3		15.0			
1,2-Diphenylhydrazine	1.4988 1.3760	1.5983	1.5123	1.5000	1.4531	Ave		1.4897				4.9		15.0			
4-Bromophenyl phenyl ether	0.2029 0.2167	0.2109	0.2156	0.2203	0.2214	Ave		0.2146				3.2		15.0			
Hexachlorobenzene	0.2290 0.2112	0.2125	0.2049	0.2046	0.2121	Ave		0.2124				4.2		15.0			
Pentachlorophenol	0.0665 0.1324	0.0722	0.0993	0.1133	0.1254	Lin1	-0.911	0.1314							0.9930		0.9900
Phenanthrene	1.1109 1.0477	1.1001	1.1033	1.0663	1.0398	Ave		1.0780				2.9		15.0			
Anthracene	1.1094 1.0683	1.0880	1.1369	1.0762	1.0627	Ave		1.0903				2.6		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.: 480-18292-1 Analy Batch No.: 58695

SDG No.:

Instrument ID: HP5973V GC Column: RXI-5Sil MS ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 04/09/2012 14:10 Calibration End Date: 04/09/2012 16:15 Calibration ID: 7318

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	0.8870 0.9160	0.9253	0.9277	0.9094	0.9018	Ave		0.9112				1.7		15.0			
Di-n-butyl phthalate	0.9167 1.1455	1.0583	1.1483	1.1372	1.1390	Ave		1.0908				8.4		15.0			
Fluoranthene	1.1639 1.1678	1.1994	1.1867	1.1755	1.1712	Ave		1.1774				1.1		15.0			
Benzidine	0.2190 0.4791	0.4120	0.3659	0.4944	0.4854	Lin1	-1.547	0.4859							0.9930		0.9900
Pyrene	1.1796 1.0956	1.2209	1.2330	1.1923	1.1283	Ave		1.1749				4.5		15.0			
Butyl benzyl phthalate	0.3187 0.5072	0.4287	0.4971	0.5278	0.5145	Lin1	-1.131	0.5217							0.9990		0.9900
Bis(2-ethylhexyl) phthalate	0.4556 0.7154	0.5912	0.6654	0.6974	0.6961	Lin1	-1.553	0.7137							0.9990		0.9900
3,3'-Dichlorobenzidine	0.2408 0.4387	0.3349	0.4157	0.4088	0.4210	Lin1	-1.175	0.4349							0.9990		0.9900
Benzo(a)anthracene	1.0807 1.0612	1.1732	1.1690	1.1236	1.0774	Ave		1.1142				4.4		15.0			
Chrysene	1.3789 1.0372	1.1023	1.1268	1.1194	1.0496	Ave		1.1357				11.0		15.0			
Di-n-octyl phthalate	0.6860 1.0659	0.8800	1.0182	1.0710	1.0388	Lin1	-2.267	1.0722							0.9990		0.9900
Benzo(b)fluoranthene	1.0228 1.2773	1.0625	1.1804	1.2000	1.1056	Ave		1.1414				8.3		15.0			
Benzo(k)fluoranthene	1.3751 1.1380	1.4557	1.3362	1.2822	1.2676	Ave		1.3091				8.2		15.0			
Benzo(a)pyrene	0.7820 1.0335	1.0222	1.0515	1.0791	1.0157	Ave		0.9973				11.0		15.0			
Indeno(1,2,3-cd)pyrene	0.8276 1.1812	0.9989	1.1582	1.1932	1.0626	Ave		1.0703				13.0		15.0			
Dibenz(a,h)anthracene	0.6297 1.0602	0.6394	1.0103	1.0457	0.9768	Lin1	-3.102	1.0473							0.9940		0.9900
Benzo(g,h,i)perylene	0.7384 0.9456	0.9689	1.0000	0.9135	0.7667	Ave		0.8889				12.0		15.0			
2-Fluorophenol	1.2902 1.3884	1.3504	1.4344	1.4509	1.3363	Ave		1.3751				4.5		15.0			
Phenol-d5	1.8724 1.8442	1.7541	1.8680	1.8599	1.7547	Ave		1.8256				3.1		15.0			
Nitrobenzene-d5	0.3673 0.4290	0.4399	0.4459	0.4444	0.4210	Ave		0.4246				7.0		15.0			

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

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

Lab Name: TestAmerica Buffalo Job No.: 480-18292-1 Analy Batch No.: 58695

SDG No.:

Instrument ID: HP5973V GC Column: RXI-5Sil MS ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 04/09/2012 14:10 Calibration End Date: 04/09/2012 16:15 Calibration ID: 7318

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-Fluorobiphenyl	1.2482 1.1891	1.3444	1.2637	1.2602	1.2405	Ave		1.2577				4.0		15.0			
2,4,6-Tribromophenol	0.0609 0.0899	0.0715	0.0865	0.0860	0.0875	Ave		0.0804				14.0		15.0			
p-Terphenyl-d14	0.7945 0.8345	0.9127	0.9145	0.8992	0.8550	Ave		0.8684				5.6		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 RESPONSE AND CONCENTRATION

Lab Name: TestAmerica Buffalo Job No.: 480-18292-1 Analy Batch No.: 58695

SDG No.:

Instrument ID: HP5973V GC Column: RXI-5Sil MS ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 04/09/2012 14:10 Calibration End Date: 04/09/2012 16:15 Calibration ID: 7318

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 480-58695/2	V8758.D
Level 2	IC 480-58695/3	V8759.D
Level 3	ICIS 480-58695/4	V8760.D
Level 4	IC 480-58695/5	V8761.D
Level 5	IC 480-58695/6	V8762.D
Level 6	IC 480-58695/7	V8763.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	10405 447768	41857	111017	199526	338648	5.00 160	20.0	50.0	80.0	120
Pyridine	DCB	Ave	9845 434361	43336	113963	176529	328255	5.00 160	20.0	50.0	80.0	120
Phenol	DCB	Ave	25929 1122935	102659	270882	457108	864276	5.00 160	20.0	50.0	80.0	120
Aniline	DCB	Ave	34490 1336273	133910	323572	568875	999723	5.00 160	20.0	50.0	80.0	120
Bis(2-chloroethyl)ether	DCB	Ave	23248 822456	81511	209522	354121	623049	5.00 160	20.0	50.0	80.0	120
2-Chlorophenol	DCB	Ave	18010 783210	76600	192151	326982	576949	5.00 160	20.0	50.0	80.0	120
1,3-Dichlorobenzene	DCB	Ave	22683 880000	91764	227324	369672	646853	5.00 160	20.0	50.0	80.0	120
1,4-Dichlorobenzene	DCB	Ave	22596 910643	90468	232346	390408	685261	5.00 160	20.0	50.0	80.0	120
Benzyl alcohol	DCB	Ave	9855 589614	50982	140769	237927	426901	5.00 160	20.0	50.0	80.0	120
1,2-Dichlorobenzene	DCB	Ave	22792 849525	83654	210349	357746	633172	5.00 160	20.0	50.0	80.0	120
2-Methylphenol	DCB	Ave	18409 733970	75150	182926	302001	559836	5.00 160	20.0	50.0	80.0	120
bis (2-chloroisopropyl) ether	DCB	Ave	16258 599398	60489	153118	247586	437812	5.00 160	20.0	50.0	80.0	120
N-Nitrosodi-n-propylamine	DCB	Ave	13703 648368	61916	160850	277328	482063	5.00 160	20.0	50.0	80.0	120
4-Methylphenol	DCB	Ave	15825 793421	72760	193275	324775	588612	5.00 160	20.0	50.0	80.0	120
Hexachloroethane	DCB	Ave	7142 340247	37180	88071	144287	254679	5.00 160	20.0	50.0	80.0	120
Nitrobenzene	NPT	Ave	22409 981510	95424	249409	416862	730084	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.: 480-18292-1 Analy Batch No.: 58695

SDG No.:

Instrument ID: HP5973V GC Column: RXI-5Sil MS ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 04/09/2012 14:10 Calibration End Date: 04/09/2012 16:15 Calibration ID: 7318

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	40714 1668882	165094	431832	714332	1231974	5.00 160	20.0	50.0	80.0	120
2-Nitrophenol	NPT	Ave	6589 413045	36165	98773	170249	304072	5.00 160	20.0	50.0	80.0	120
2,4-Dimethylphenol	NPT	Ave	18075 842256	76557	205409	350074	622365	5.00 160	20.0	50.0	80.0	120
Tetraethyl lead	NPT	Ave	8907 284768	34590	68255	132924	226674	5.00 160	20.0	50.0	80.0	120
Bis(2-chloroethoxy)methane	NPT	Ave	22478 924056	92433	233925	386338	688928	5.00 160	20.0	50.0	80.0	120
2,4-Dichlorophenol	NPT	Ave	14220 642015	56173	157524	266187	474103	5.00 160	20.0	50.0	80.0	120
Benzoic acid	NPT	Lin1	183243 1826570	250779	359682	645942	1255195	100 480	120	150	240	360
1,2,4-Trichlorobenzene	NPT	Ave	17807 724090	70597	183407	303720	525879	5.00 160	20.0	50.0	80.0	120
Naphthalene	NPT	Ave	58296 2170351	217984	548339	922356	1603710	5.00 160	20.0	50.0	80.0	120
4-Chloroaniline	NPT	Ave	19124 868520	80047	213837	367503	645012	5.00 160	20.0	50.0	80.0	120
Hexachlorobutadiene	NPT	Ave	10759 449268	46168	115354	184894	321947	5.00 160	20.0	50.0	80.0	120
4-Chloro-3-methylphenol	NPT	Lin1	11143 715937	64886	174593	296400	522556	5.00 160	20.0	50.0	80.0	120
2-Methylnaphthalene	NPT	Ave	37076 1523403	149747	382788	643885	1124695	5.00 160	20.0	50.0	80.0	120
Hexachlorocyclopentadiene	ANT	Lin1	7478 536133	40681	120221	212676	381593	5.00 160	20.0	50.0	80.0	120
2,4,6-Trichlorophenol	ANT	Ave	7765 495521	44955	120686	203394	373693	5.00 160	20.0	50.0	80.0	120
2,4,5-Trichlorophenol	ANT	Lin1	7721 521610	43285	122557	202875	389164	5.00 160	20.0	50.0	80.0	120
2-Chloronaphthalene	ANT	Ave	34689 1447338	137461	364384	606181	1059924	5.00 160	20.0	50.0	80.0	120
2-Nitroaniline	ANT	Lin1	6027 483930	37363	111756	195785	363576	5.00 160	20.0	50.0	80.0	120
Dimethyl phthalate	ANT	Ave	41985 1684714	168754	439365	734790	1264842	5.00 160	20.0	50.0	80.0	120
2,6-Dinitrotoluene	ANT	Lin1	5470 388750	32632	92488	161063	285142	5.00 160	20.0	50.0	80.0	120
Acenaphthylene	ANT	Ave	57563 2357949	232282	607493	1005173	1760337	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.: 480-18292-1 Analy Batch No.: 58695

SDG No.:

Instrument ID: HP5973V GC Column: RXI-5Sil MS ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 04/09/2012 14:10 Calibration End Date: 04/09/2012 16:15 Calibration ID: 7318

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	Lin1	4661 415043	31435	95218	179046	306520	5.00 160	20.0	50.0	80.0	120
Acenaphthene	ANT	Ave	34968 1461265	143258	356597	604325	1054784	5.00 160	20.0	50.0	80.0	120
2,4-Dinitrophenol	ANT	Lin1	2957 259784	11660	48992	91598	180485	10.0 160	20.0	50.0	80.0	120
4-Nitrophenol	ANT	Lin1	2627 298347	7137	50067	103357	204415	10.0 160	20.0	50.0	80.0	120
Dibenzofuran	ANT	Ave	52808 2183268	202481	539095	913924	1601078	5.00 160	20.0	50.0	80.0	120
2,4-Dinitrotoluene	ANT	Ave	8848 531623	48107	136321	223871	394838	5.00 160	20.0	50.0	80.0	120
Diethyl phthalate	ANT	Ave	43199 1723459	172111	455933	736890	1256537	5.00 160	20.0	50.0	80.0	120
Fluorene	ANT	Ave	42902 1979293	176160	460210	803081	1419248	5.00 160	20.0	50.0	80.0	120
4-Chlorophenyl phenyl ether	ANT	Ave	21634 1024634	93070	238004	401680	726813	5.00 160	20.0	50.0	80.0	120
4-Nitroaniline	ANT	Lin1	4282 425052	25022	85719	158111	297208	5.00 160	20.0	50.0	80.0	120
4,6-Dinitro-2-methylphenol	PHN	Lin1	8961 368236	24720	77262	146044	261500	10.0 160	20.0	50.0	80.0	120
N-Nitrosodiphenylamine	PHN	Ave	28597 1259288	121919	318791	530223	938350	5.00 160	20.0	50.0	80.0	120
1,2-Diphenylhydrazine	ANT	Ave	50887 2042304	211761	525433	889310	1526700	5.00 160	20.0	50.0	80.0	120
4-Bromophenyl phenyl ether	PHN	Ave	12060 538736	50729	133309	230254	410367	5.00 160	20.0	50.0	80.0	120
Hexachlorobenzene	PHN	Ave	13612 525165	51129	126671	213811	393111	5.00 160	20.0	50.0	80.0	120
Pentachlorophenol	PHN	Lin1	7910 329059	17362	61404	118383	232467	10.0 160	20.0	50.0	80.0	120
Phenanthrene	PHN	Ave	66023 2604686	264646	682164	1114430	1927637	5.00 160	20.0	50.0	80.0	120
Anthracene	PHN	Ave	65932 2655972	261742	702983	1124834	1970100	5.00 160	20.0	50.0	80.0	120
Carbazole	PHN	Ave	52719 2277171	222607	573594	950528	1671876	5.00 160	20.0	50.0	80.0	120
Di-n-butyl phthalate	PHN	Ave	54482 2847810	254588	710037	1188608	2111570	5.00 160	20.0	50.0	80.0	120
Fluoranthene	PHN	Ave	69176 2903231	288528	733763	1228607	2171222	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.: 480-18292-1 Analy Batch No.: 58695

SDG No.:

Instrument ID: HP5973V GC Column: RXI-5Sil MS ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 04/09/2012 14:10 Calibration End Date: 04/09/2012 16:15 Calibration ID: 7318

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	Lin1	13674 1272798	96769	218743	510579	925609	5.00 160	20.0	50.0	80.0	120
Pyrene	CRY	Ave	73660 2910803	286739	737094	1231451	2151701	5.00 160	20.0	50.0	80.0	120
Butyl benzyl phthalate	CRY	Lin1	19898 1347565	100692	297185	545121	981179	5.00 160	20.0	50.0	80.0	120
Bis(2-ethylhexyl) phthalate	CRY	Lin1	28447 1900802	138856	397758	720240	1327445	5.00 160	20.0	50.0	80.0	120
3,3'-Dichlorobenzidine	CRY	Lin1	15035 1165640	78652	248495	422262	802838	5.00 160	20.0	50.0	80.0	120
Benzo(a)anthracene	CRY	Ave	67484 2819558	275532	698838	1160434	2054695	5.00 160	20.0	50.0	80.0	120
Chrysene	CRY	Ave	86106 2755582	258900	673602	1156169	2001578	5.00 160	20.0	50.0	80.0	120
Di-n-octyl phthalate	CRY	Lin1	42837 2831897	206687	608653	1106117	1981108	5.00 160	20.0	50.0	80.0	120
Benzo(b)fluoranthene	PRY	Ave	58670 3156735	236413	662592	1146964	1942762	5.00 160	20.0	50.0	80.0	120
Benzo(k)fluoranthene	PRY	Ave	78877 2812485	323898	750041	1225458	2227564	5.00 160	20.0	50.0	80.0	120
Benzo(a)pyrene	PRY	Ave	44855 2554260	227433	590217	1031413	1784804	5.00 160	20.0	50.0	80.0	120
Indeno(1,2,3-cd)pyrene	PRY	Ave	47472 2919131	222266	650131	1140474	1867187	5.00 160	20.0	50.0	80.0	120
Dibenz(a,h)anthracene	PRY	Lin1	36121 2620146	142266	567064	999425	1716403	5.00 160	20.0	50.0	80.0	120
Benzo(g,h,i)perylene	PRY	Ave	42358 2336978	215583	561336	873108	1347370	5.00 160	20.0	50.0	80.0	120
2-Fluorophenol	DCB	Ave	18744 816405	77315	206569	350607	604671	5.00 160	20.0	50.0	80.0	120
Phenol-d5	DCB	Ave	27202 1084446	100431	269012	449419	793984	5.00 160	20.0	50.0	80.0	120
Nitrobenzene-d5	NPT	Ave	20366 967450	91671	238867	410396	707373	5.00 160	20.0	50.0	80.0	120
2-Fluorobiphenyl	ANT	Ave	42380 1764894	178127	439075	747092	1303357	5.00 160	20.0	50.0	80.0	120
2,4,6-Tribromophenol	PHN	Ave	3618 223492	17197	53508	89861	162272	5.00 160	20.0	50.0	80.0	120
p-Terphenyl-d14	CRY	Ave	49611 2217242	214371	546662	928692	1630534	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.: 480-18292-1 Analy Batch No.: 58695

SDG No.:

Instrument ID: HP5973V GC Column: RXI-5Sil MS ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 04/09/2012 14:10 Calibration End Date: 04/09/2012 16:15 Calibration ID: 7318

Curve Type Legend:

Ave = Average ISTD
Lin1 = Linear 1/conc ISTD

TestAmerica Laboratories
Target Compound Quantitation Report

Data File:	\\Bufchrom\ChromData\HP5973V\20120409-10827.b\V8758.D		
Lims ID:	IC 5 - 8270	Client ID:	
Inject. Date:	09-Apr-2012 14:10:30	Dil. Factor:	1.0000
Sample Type:	IC	Calib Level:	1
Sample ID:	480-0010827-002		
Misc. Info.:	CCVIS 8270		
Operator:	HL	Instrument ID:	HP5973V
Vol. Injected:	1.0000	ALS Bottle#:	6
Lims Batch ID:	58695	Lims Sample ID:	2
Sublist:	chrom-V-8270*sub23		
Detector:	MS SCAN		
Method:	\\Bufchrom\ChromData\HP5973V\20120409-10827.b\V-8270.m		
Last Update:	09-Apr-2012 17:26:28	Calib Date:	09-Apr-2012 16:15:30
Quant Method:	Internal Standard	Quant By:	Initial Calibration
Last ICal File:	\\Bufchrom\ChromData\HP5973V\20120409-10827.b\V8763.D		
Limit Group:	MB - 8270C ICAL		
Integrator:	RTE	ID Type:	Deconvolution ID
Process Host:	CORP-CTX-19		
First Level Reviewer: lyh		Date:	09-Apr-2012 17:26:28

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ng/uL	Flags
* 1 1,4-Dichlorobenzene-d4	152	6.010	6.010	0.0	96	116220	40.0	
* 2 Naphthalene-d8	136	7.661	7.661	0.0	99	443618	40.0	
* 3 Acenaphthene-d10	164	9.926	9.926	0.0	90	271621	40.0	
* 4 Phenanthrene-d10	188	11.625	11.625	0.0	97	475461	40.0	
* 5 Chrysene-d12	240	14.114	14.114	0.0	97	499549	40.0	
* 6 Perylene-d12	264	15.498	15.498	0.0	99	458894	40.0	
$ 9 2-Fluorophenol	112	4.311	4.311	0.0	38	18744	4.69	
$ 10 Phenol-d5	99	5.529	5.529	0.0	73	27202	5.13	
$ 11 Nitrobenzene-d5	82	6.737	6.737	0.0	56	20366	4.33	
$ 12 2-Fluorobiphenyl	172	9.066	9.066	0.0	84	42380	4.96	
$ 13 2,4,6-Tribromophenol	330	10.882	10.882	0.0	19	3618	3.79	
$ 14 p-Terphenyl-d14	244	13.174	13.174	0.0	88	49611	4.57	
81 N-Nitrosodimethylamine	42	2.773	2.773	0.0	64	10405	4.72	M
82 Pyridine	52	2.831	2.831	0.0	60	9845	4.60	M
89 Phenol	94	5.545	5.545	0.0	75	25929	4.79	
90 Aniline	93	5.588	5.588	0.0	79	34490	5.16	
91 Bis(2-chloroethyl)ether	93	5.663	5.663	0.0	73	23248	5.51	
93 2-Chlorophenol	128	5.727	5.727	0.0	73	18010	4.72	
94 1,3-Dichlorobenzene	146	5.935	5.935	0.0	77	22683	5.09	
95 1,4-Dichlorobenzene	146	6.037	6.037	0.0	58	22596	4.95	
96 Benzyl alcohol	108	6.197	6.197	0.0	65	9855	3.72	
97 1,2-Dichlorobenzene	146	6.229	6.229	0.0	74	22792	5.34	
98 2-Methylphenol	108	6.341	6.341	0.0	68	18409	5.01	
99 2,2'-oxybis[1-chloropropane]	45	6.373	6.373	0.0	37	16258	5.37	
101 N-Nitrosodi-n-propylamine	70	6.539	6.539	0.0	63	13703	4.38	
102 4-Methylphenol	108	6.550	6.550	0.0	82	15825	4.25	
106 Hexachloroethane	117	6.662	6.662	0.0	72	7142	4.22	
107 Nitrobenzene	77	6.763	6.763	0.0	69	22409	4.58	
110 Isophorone	82	7.068	7.068	0.0	89	40714	4.81	
111 2-Nitrophenol	139	7.175	7.175	0.0	66	6589	3.48	

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ng/uL	Flags
112 2,4-Dimethylphenol	107	7.244	7.244	0.0	66	18075	4.45	
113 Tetraethyl lead	237	7.276	7.276	0.0	78	8907	5.61	
115 Bis(2-chloroethoxy)methane	93	7.362	7.362	0.0	81	22478	4.82	
119 Benzoic acid	105	7.447	7.447	0.0	83	183243	96.7	
117 2,4-Dichlorophenol	162	7.506	7.506	0.0	58	14220	4.59	
120 1,2,4-Trichlorobenzene	180	7.591	7.591	0.0	71	17807	4.90	
121 Naphthalene	128	7.687	7.687	0.0	86	58296	5.22	
123 4-Chloroaniline	127	7.794	7.794	0.0	70	19124	4.51	
126 Hexachlorobutadiene	225	7.853	7.853	0.0	64	10759	4.76	
131 4-Chloro-3-methylphenol	107	8.419	8.419	0.0	64	11143	4.65	
133 2-Methylnaphthalene	142	8.596	8.596	0.0	81	37076	4.84	
136 Hexachlorocyclopentadiene	237	8.788	8.788	0.0	51	7478	5.24	
139 2,4,6-Trichlorophenol	196	8.964	8.964	0.0	16	7765	3.52	
140 2,4,5-Trichlorophenol	196	9.044	9.044	0.0	1	7721	5.00	M
143 2-Chloronaphthalene	162	9.215	9.215	0.0	88	34689	5.01	
145 2-Nitroaniline	65	9.381	9.381	0.0	1	6027	5.15	M
147 Dimethyl phthalate	163	9.611	9.611	0.0	84	41985	5.05	
148 2,6-Dinitrotoluene	165	9.691	9.691	0.0	32	5470	4.87	
149 Acenaphthylene	152	9.750	9.750	0.0	83	57563	5.01	
150 3-Nitroaniline	138	9.937	9.937	0.0	0	4661	5.11	M
151 Acenaphthene	153	9.963	9.963	0.0	85	34968	5.03	
152 2,4-Dinitrophenol	184	10.086	10.086	0.0	0	2957	11.2	M
153 4-Nitrophenol	109	10.209	10.209	0.0	0	2627	12.6	M
155 Dibenzofuran	168	10.188	10.188	0.0	80	52808	5.09	
154 2,4-Dinitrotoluene	165	10.198	10.198	0.0	59	8848	3.67	
160 Diethyl phthalate	149	10.476	10.476	0.0	88	43199	5.10	
161 Fluorene	166	10.599	10.599	0.0	90	42902	4.76	
162 4-Chlorophenyl phenyl ether	204	10.599	10.599	0.0	71	21634	4.68	
164 4-Nitroaniline	138	10.674	10.674	0.0	22	4282	5.93	M
166 4,6-Dinitro-2-methylphenol	198	10.684	10.684	0.0	52	8961	10.7	
167 N-Nitrosodiphenylamine	169	10.738	10.738	0.0	41	28597	4.77	
168 1,2-Diphenylhydrazine	77	10.781	10.781	0.0	94	50887	5.03	
176 4-Bromophenyl phenyl ether	248	11.149	11.149	0.0	53	12060	4.73	
177 Hexachlorobenzene	284	11.208	11.208	0.0	68	13612	5.39	
181 Pentachlorophenol	266	11.454	11.454	0.0	1	7910	12.0	M
185 Phenanthrene	178	11.651	11.651	0.0	93	66023	5.15	
188 Anthracene	178	11.705	11.705	0.0	87	65932	5.09	
189 Carbazole	167	11.892	11.892	0.0	74	52719	4.87	
192 Di-n-butyl phthalate	149	12.218	12.218	0.0	94	54482	4.20	
197 Fluoranthene	202	12.827	12.827	0.0	89	69176	4.94	
198 Benzidine	184	12.982	12.982	0.0	1	13674	5.44	
199 Pyrene	202	13.040	13.040	0.0	97	73660	5.02	
205 Butyl benzyl phthalate	149	13.596	13.596	0.0	77	19898	5.22	
203 3,3'-Dimethylbenzidine	212		13.601					
210 Bis(2-ethylhexyl) phthalate	149	14.077	14.077	0.0	92	28447	5.37	
208 3,3'-Dichlorobenzidine	252	14.087	14.087	0.0	0	15035	5.47	M
209 Benzo[a]anthracene	228	14.103	14.103	0.0	92	67484	4.85	
211 Chrysene	228	14.136	14.136	0.0	89	86106	6.07	
212 Di-n-octyl phthalate	149	14.638	14.638	0.0	85	42837	5.31	
213 Benzo[b]fluoranthene	252	15.102	15.102	0.0	87	58670	4.48	
214 Benzo[k]fluoranthene	252	15.129	15.129	0.0	82	78877	5.25	M
217 Benzo[a]pyrene	252	15.434	15.434	0.0	50	44855	3.92	

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ng/uL	Flags
219 Indeno[1,2,3-cd]pyrene	276	16.775	16.775	0.0	70	47472	3.87	M
220 Dibenz(a,h)anthracene	278	16.807	16.807	0.0	0	36121	5.97	M
221 Benzo[g,h,i]perylene	276	17.127	17.127	0.0	78	42358	4.15	
S 222 Total Cresols	1				0		9.26	
S 78 3-Methylphenol	1				0		4.25	
S 77 3 & 4 Methylphenol	108				0		4.25	

QC Flag Legend

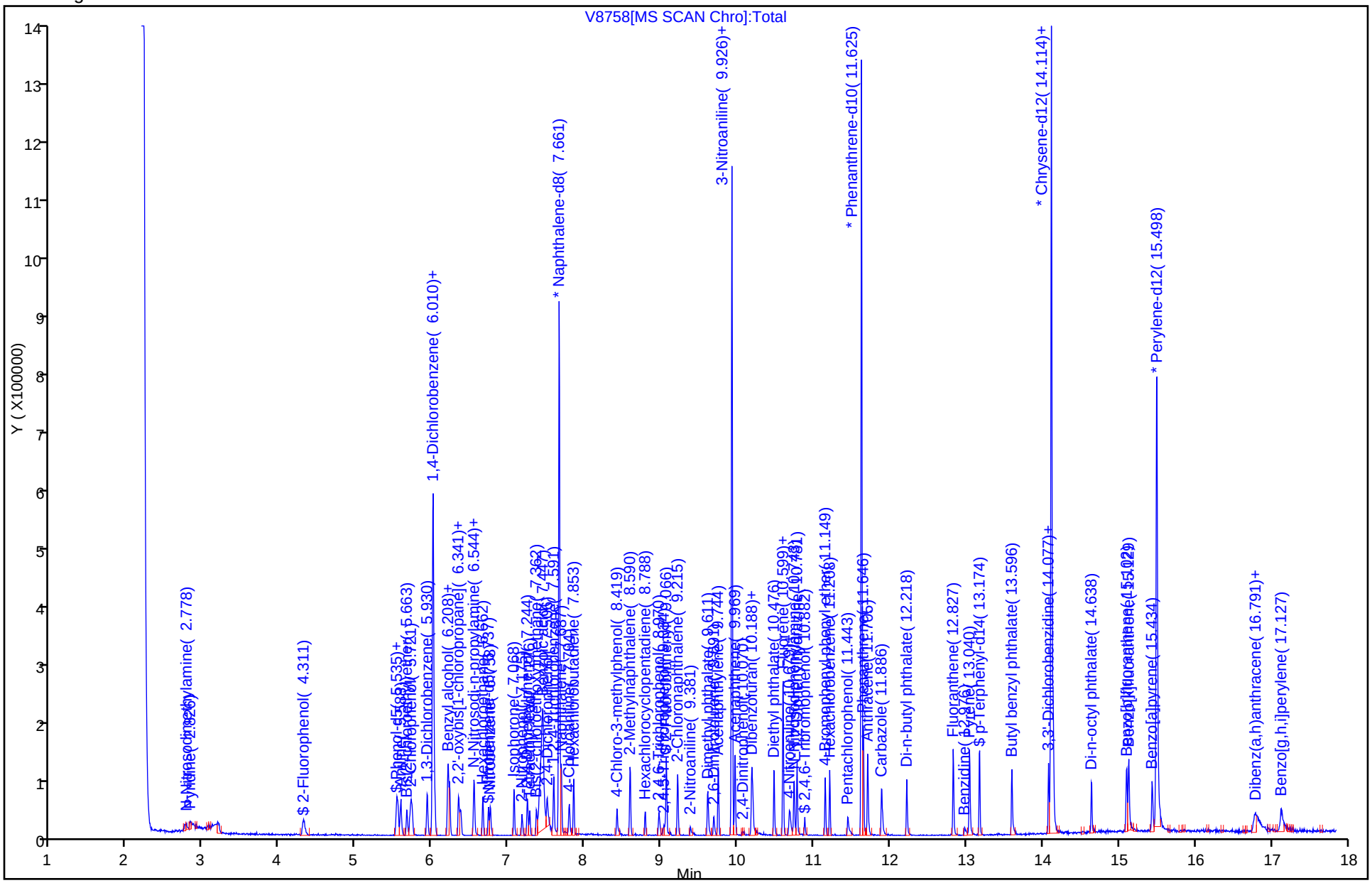
Review Flags
M - Manually Integrated

Report Date: 09-Apr-2012 17:26:29 Chrom Revision: 2.0 20-Feb-2012 13:27:02

Data File: \\Bufchrom\ChromData\HP5973V\20120409-10827.b\V8758.D

Injection Date:	09-Apr-2012 14:10:30	Limit Group:	MB - 8270C ICAL
Client ID:		Instrument ID:	HP5973V
Lims Batch ID:	58695	Lims Sample ID:	2
Operator ID:	HL	Injection Vol:	1.00 ul
Column Type:	RXI-5Sil MS	Column Dia:	0.25 mm

Y Scaling:



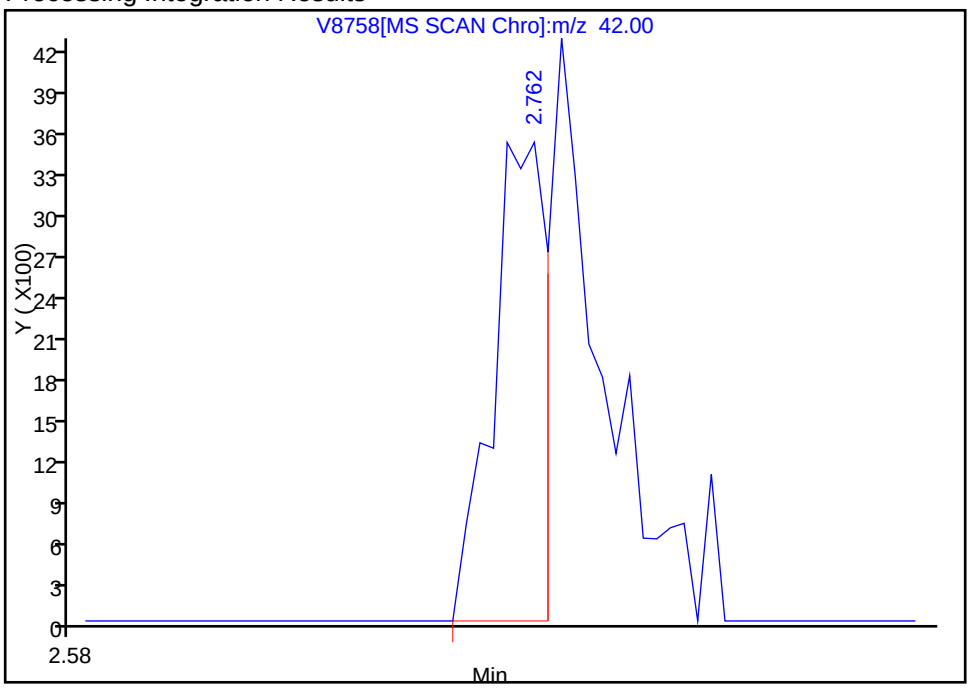
Manual Integration/User Assign Peak Report

Data File:	\\Bufchrom\ChromData\HP5973V\20120409-10827.b\V8758.D		
Injection Date:	09-Apr-2012 14:10:30	Limit Group:	MB - 8270C ICAL
Client ID:		Instrument ID:	HP5973V
Lims Batch ID:	58695	Lims Sample ID:	2
Operator ID:	HL	Injection Vol:	1.00 ul
Column Type:	RXI-5Sil MS	Column Dia:	0.25 mm

81 N-Nitrosodimethylamine, Signal: 1, m/z: 42.0 Type: quant, RT: 2.77

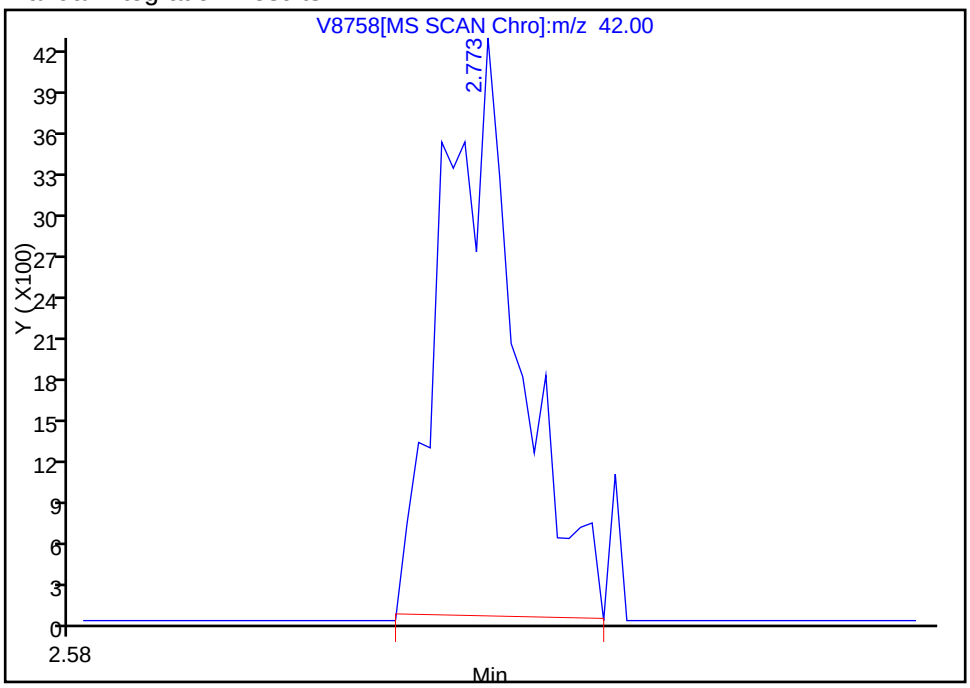
Processing Integration Results

RT: 2.76
Response: 5197
Amount: 2.885434



Manual Integration Results

RT: 2.77
Response: 10405
Amount: 4.718457



Reviewer: lyh, 09-Apr-2012 15:30:43
Audit Action: Manually Integrated
Audit Reason: Assign Peak

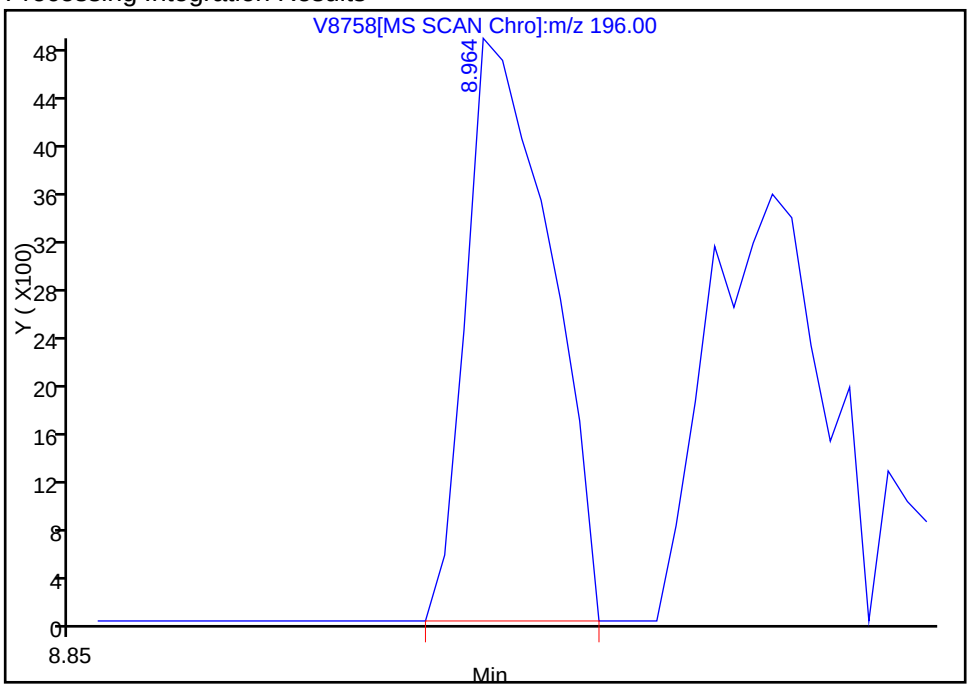
Manual Integration/User Assign Peak Report

Data File:	\\Bufchrom\ChromData\HP5973V\20120409-10827.b\V8758.D		
Injection Date:	09-Apr-2012 14:10:30	Limit Group:	MB - 8270C ICAL
Client ID:		Instrument ID:	HP5973V
Lims Batch ID:	58695	Lims Sample ID:	2
Operator ID:	HL	Injection Vol:	1.00 ul
Column Type:	RXI-5Sil MS	Column Dia:	0.25 mm

140 2,4,5-Trichlorophenol, Signal: 1, m/z: 196.0 Type: quant, RT: 9.04

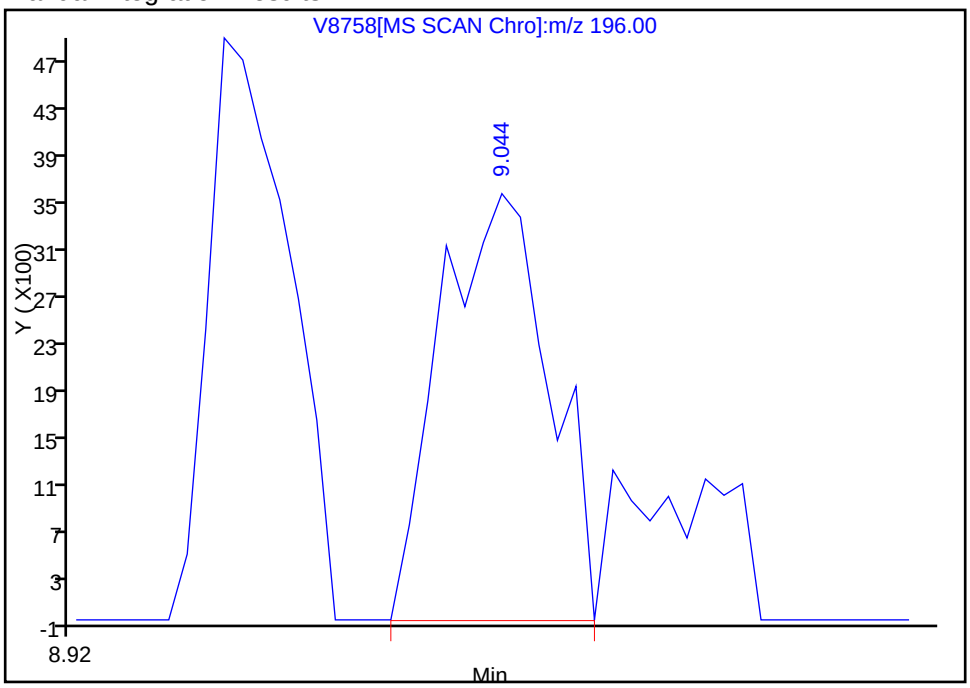
Processing Integration Results

RT: 8.96
Response: 7765
Amount: 3.777511



Manual Integration Results

RT: 9.04
Response: 7721
Amount: 5.004789



Reviewer: lyh, 09-Apr-2012 15:30:43
Audit Action: Manually Integrated
Audit Reason: Assign Peak

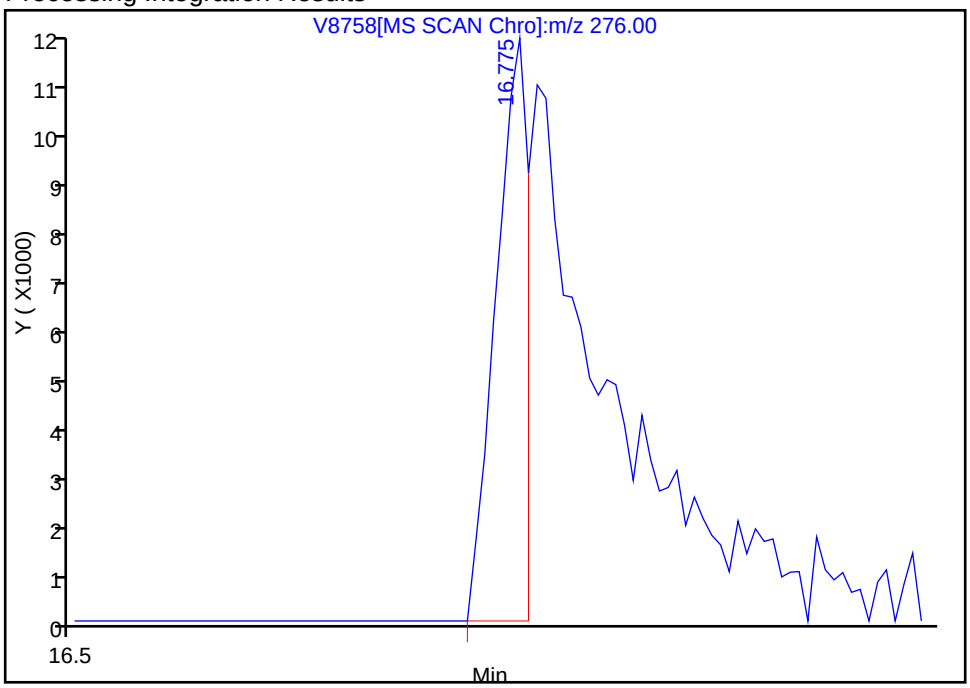
Manual Integration/User Assign Peak Report

Data File:	\\Bufchrom\ChromData\HP5973V\20120409-10827.b\V8758.D		
Injection Date:	09-Apr-2012 14:10:30	Limit Group:	MB - 8270C ICAL
Client ID:		Instrument ID:	HP5973V
Lims Batch ID:	58695	Lims Sample ID:	2
Operator ID:	HL	Injection Vol:	1.00 ul
Column Type:	RXI-5Sil MS	Column Dia:	0.25 mm

219 Indeno[1,2,3-cd]pyrene, Signal: 1, m/z: 276.0 Type: quant, RT: 16.77

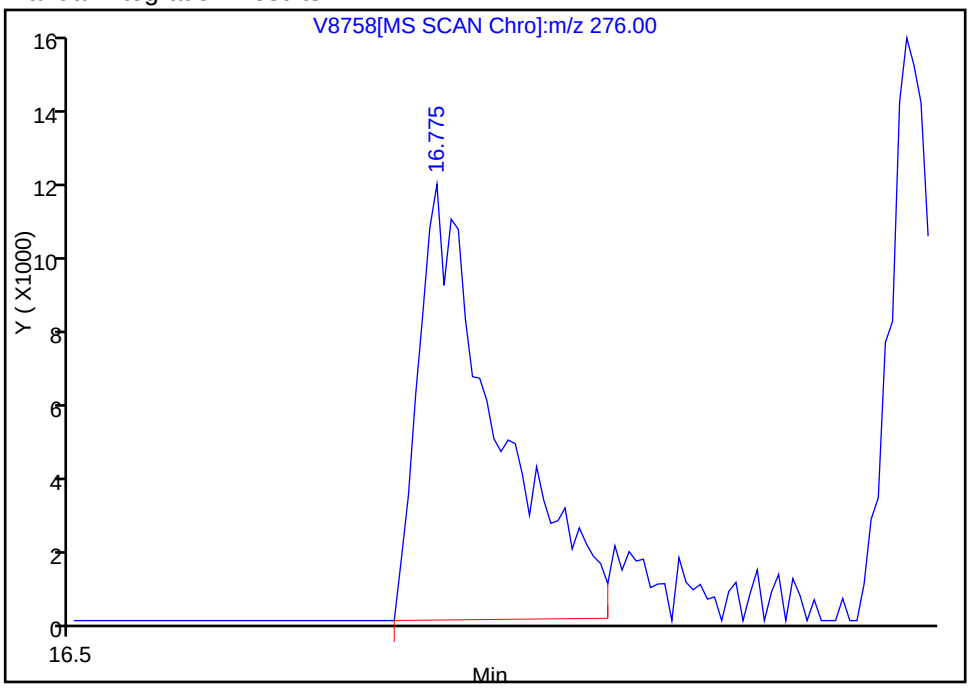
Processing Integration Results

RT: 16.77
Response: 15987
Amount: 1.716247



Manual Integration Results

RT: 16.77
Response: 47472
Amount: 3.866184



Reviewer: lyh, 09-Apr-2012 15:30:43
Audit Action: Manually Integrated
Audit Reason: Assign Peak

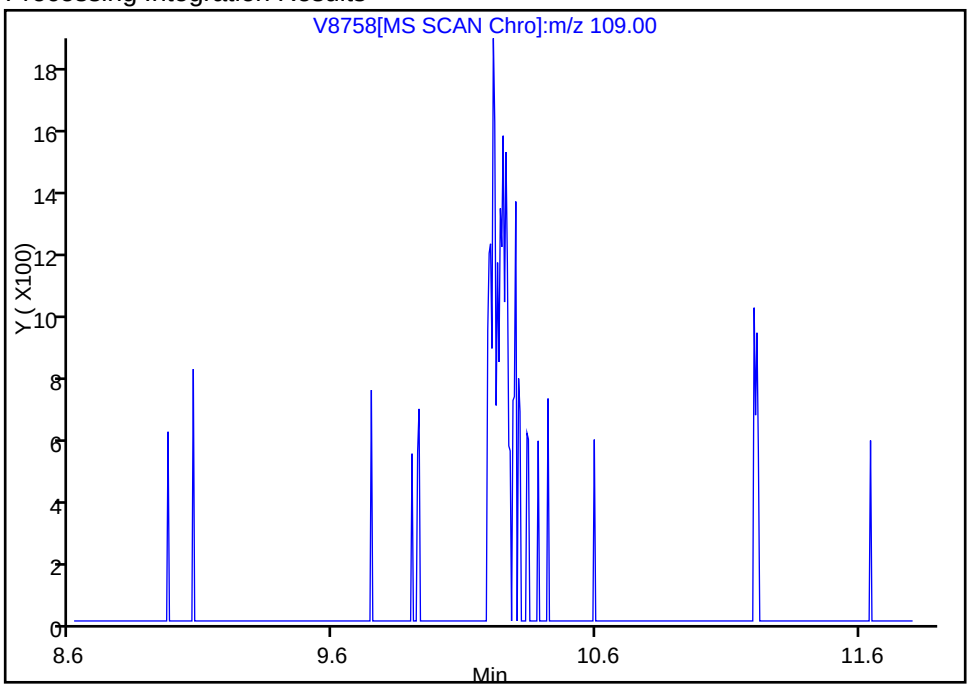
Manual Integration/User Assign Peak Report

Data File:	\\Bufchrom\ChromData\HP5973V\20120409-10827.b\V8758.D		
Injection Date:	09-Apr-2012 14:10:30	Limit Group:	MB - 8270C ICAL
Client ID:		Instrument ID:	HP5973V
Lims Batch ID:	58695	Lims Sample ID:	2
Operator ID:	HL	Injection Vol:	1.00 ul
Column Type:	RXI-5Sil MS	Column Dia:	0.25 mm

153 4-Nitrophenol, Signal: 1, m/z: 109.0 Type: quant, RT: 10.21

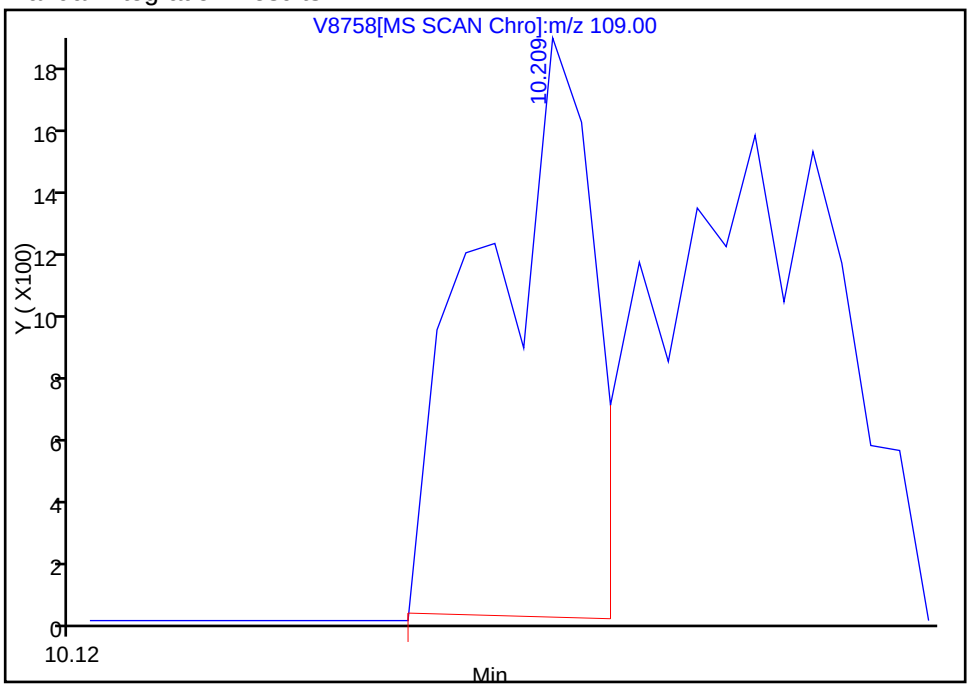
Not Detected
Expected RT: 10.21

Processing Integration Results



Manual Integration Results

RT: 10.21
Response: 2627
Amount: 12.643046



Reviewer: lyh, 09-Apr-2012 16:40:50
Audit Action: Manually Integrated
Audit Reason: Assign Peak

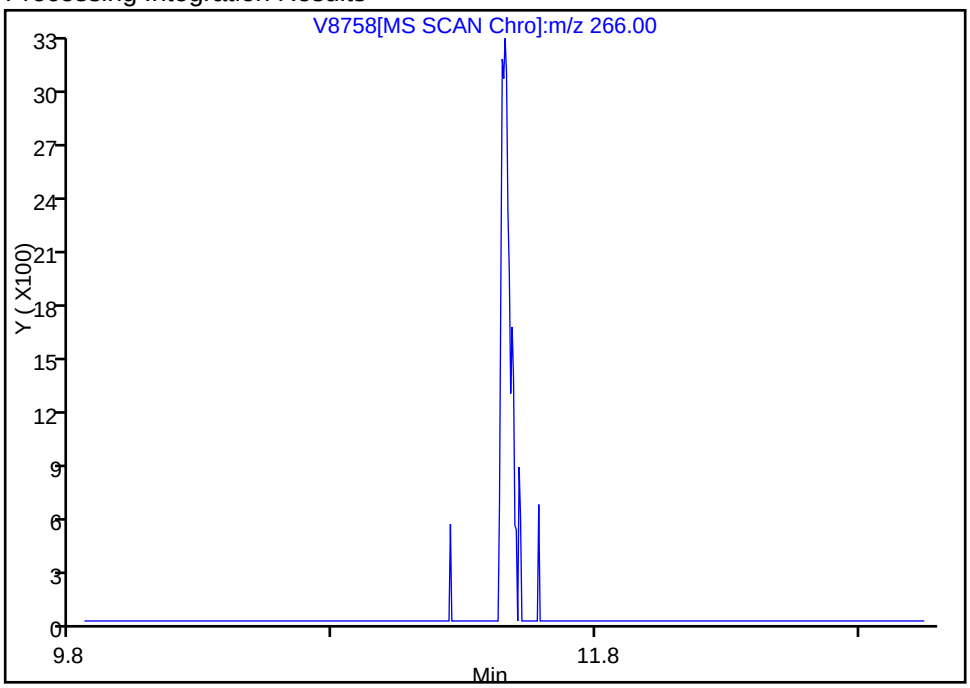
Manual Integration/User Assign Peak Report

Data File:	\\Bufchrom\ChromData\HP5973V\20120409-10827.b\V8758.D		
Injection Date:	09-Apr-2012 14:10:30	Limit Group:	MB - 8270C ICAL
Client ID:		Instrument ID:	HP5973V
Lims Batch ID:	58695	Lims Sample ID:	2
Operator ID:	HL	Injection Vol:	1.00 ul
Column Type:	RXI-5Sil MS	Column Dia:	0.25 mm

181 Pentachlorophenol, Signal: 1, m/z: 266.0 Type: quant, RT: 11.45

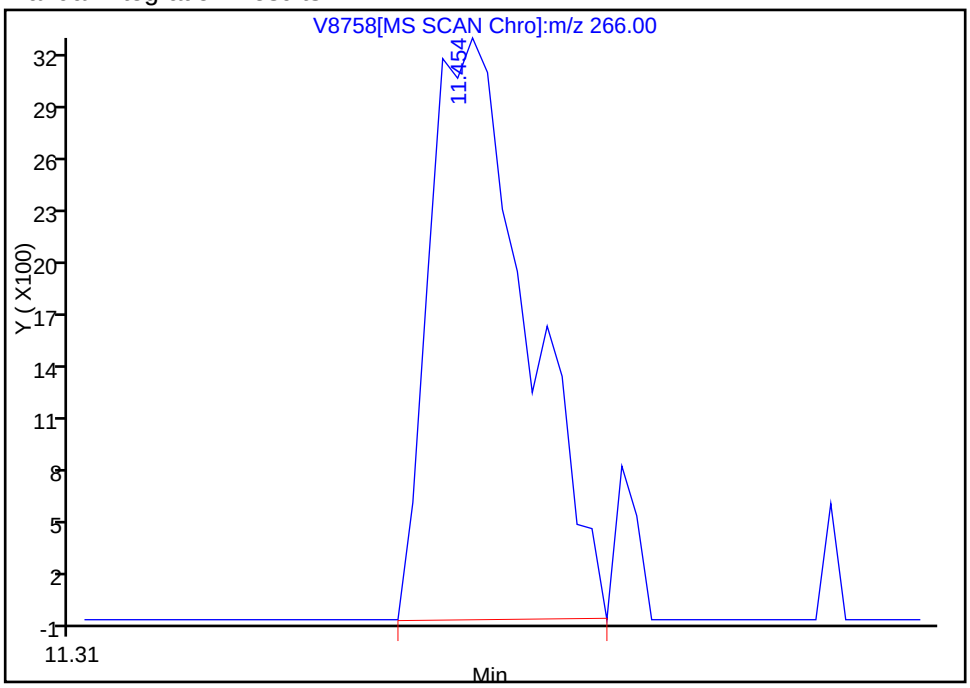
Not Detected
Expected RT: 11.45

Processing Integration Results



Manual Integration Results

RT: 11.45
Response: 7910
Amount: 11.992789



Reviewer: lyh, 09-Apr-2012 15:30:43
Audit Action: Manually Integrated
Audit Reason: Assign Peak

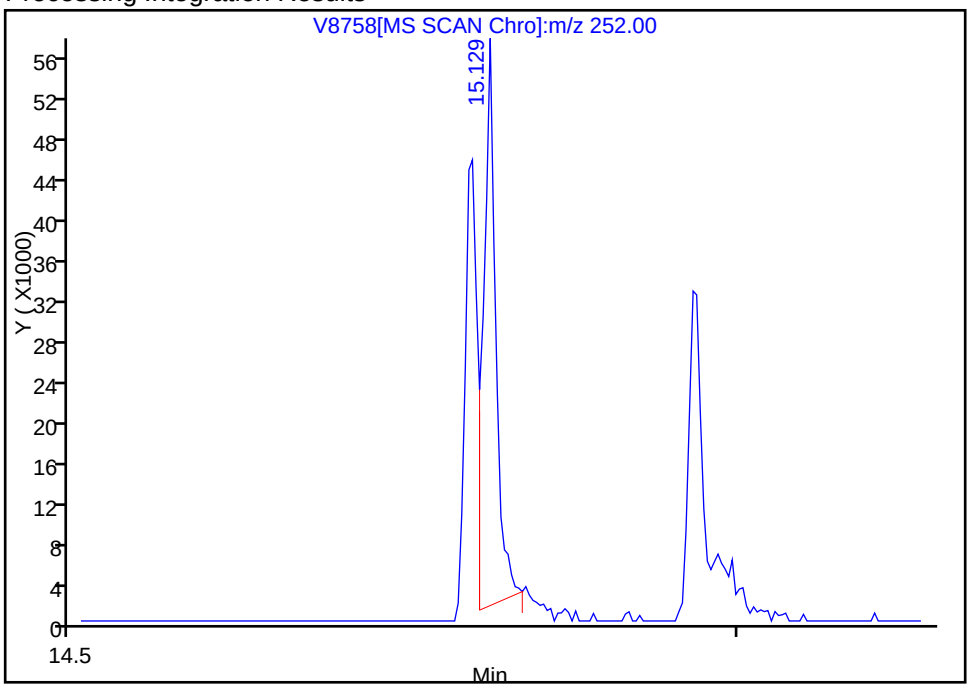
Manual Integration/User Assign Peak Report

Data File:	\\Bufchrom\ChromData\HP5973V\20120409-10827.b\V8758.D		
Injection Date:	09-Apr-2012 14:10:30	Limit Group:	MB - 8270C ICAL
Client ID:		Instrument ID:	HP5973V
Lims Batch ID:	58695	Lims Sample ID:	2
Operator ID:	HL	Injection Vol:	1.00 ul
Column Type:	RXI-5Sil MS	Column Dia:	0.25 mm

214 Benzo[k]fluoranthene, Signal: 1, m/z: 252.0 Type: quant, RT: 15.13

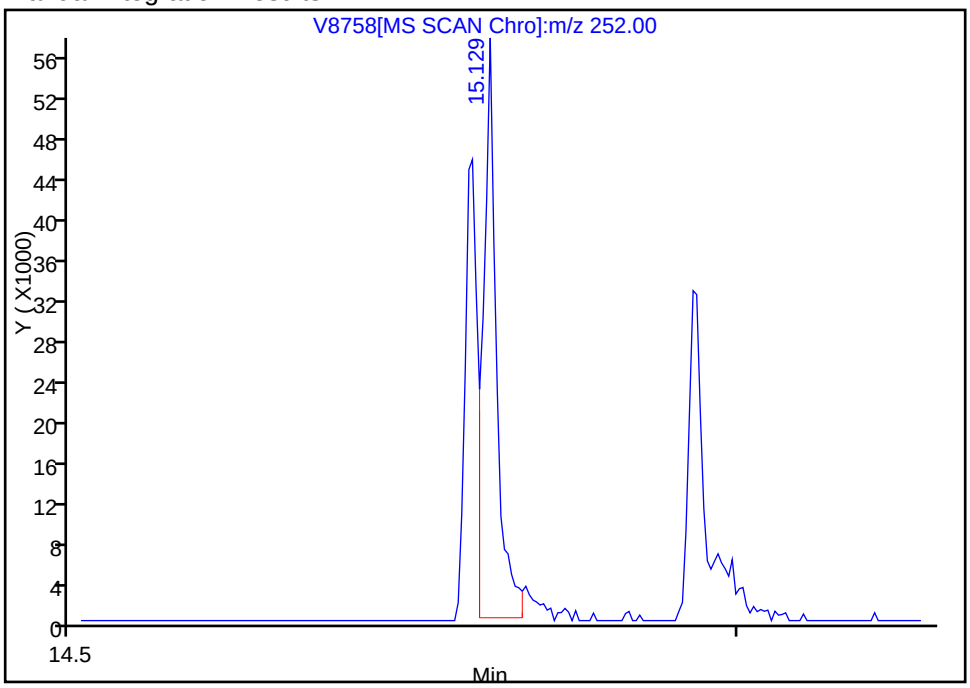
Processing Integration Results

RT: 15.13
Response: 71794
Amount: 4.642965



Manual Integration Results

RT: 15.13
Response: 78877
Amount: 5.251837



Reviewer: lyh, 09-Apr-2012 15:30:43
Audit Action: Manually Integrated
Audit Reason: Assign Peak

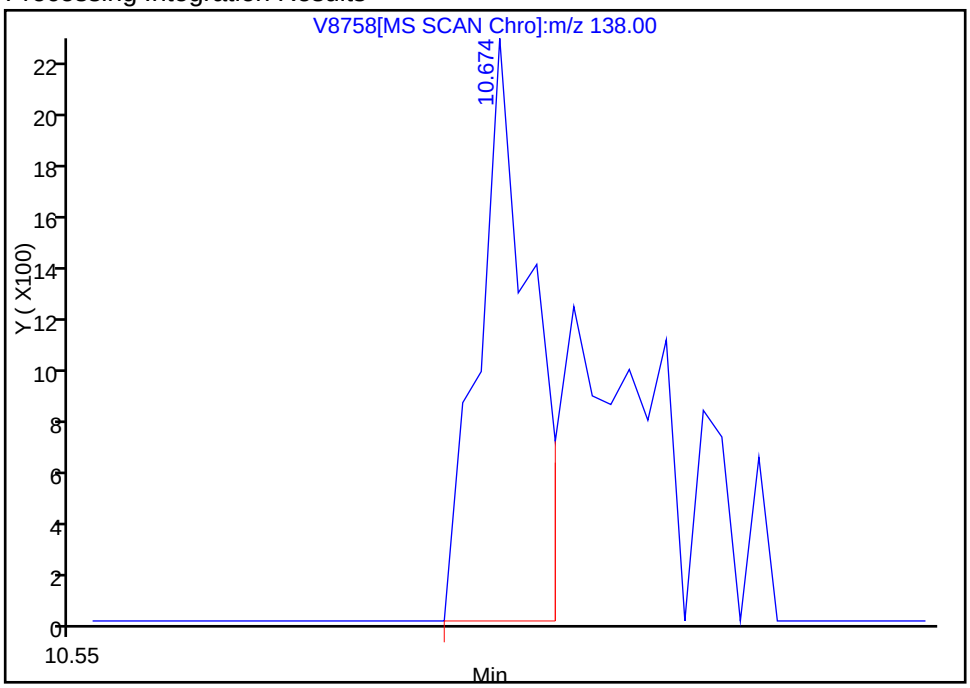
Manual Integration/User Assign Peak Report

Data File:	\\Bufchrom\ChromData\HP5973V\20120409-10827.b\V8758.D		
Injection Date:	09-Apr-2012 14:10:30	Limit Group:	MB - 8270C ICAL
Client ID:		Instrument ID:	HP5973V
Lims Batch ID:	58695	Lims Sample ID:	2
Operator ID:	HL	Injection Vol:	1.00 ul
Column Type:	RXI-5Sil MS	Column Dia:	0.25 mm

164 4-Nitroaniline, Signal: 1, m/z: 138.0 Type: quant, RT: 10.67

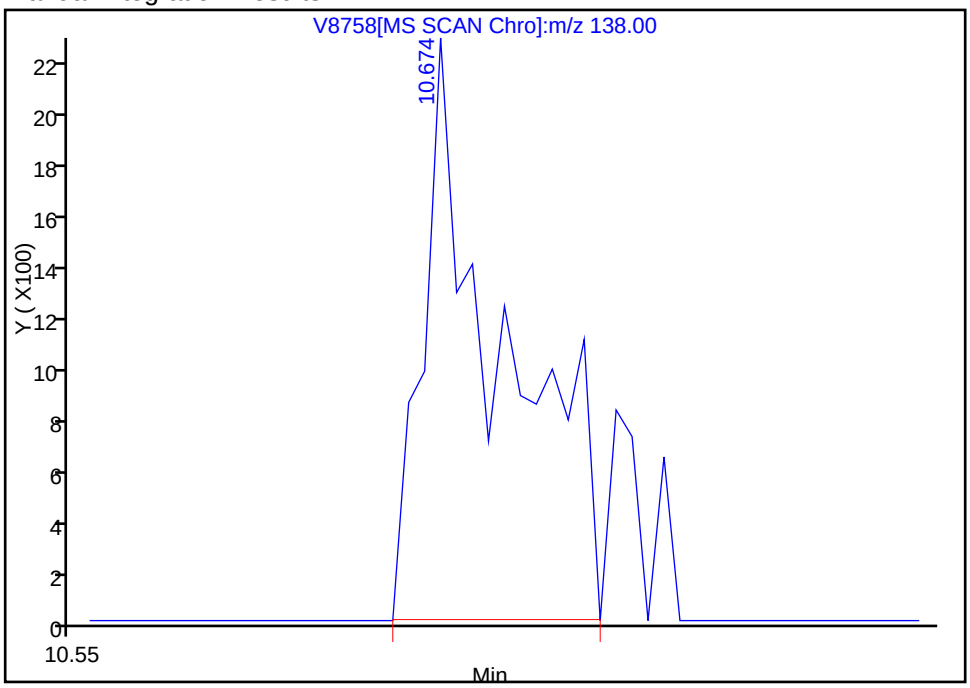
Processing Integration Results

RT: 10.67
Response: 2418
Amount: 2.107885



Manual Integration Results

RT: 10.67
Response: 4282
Amount: 5.930194



Reviewer: lyh, 09-Apr-2012 15:30:43
Audit Action: Manually Integrated
Audit Reason: Assign Peak

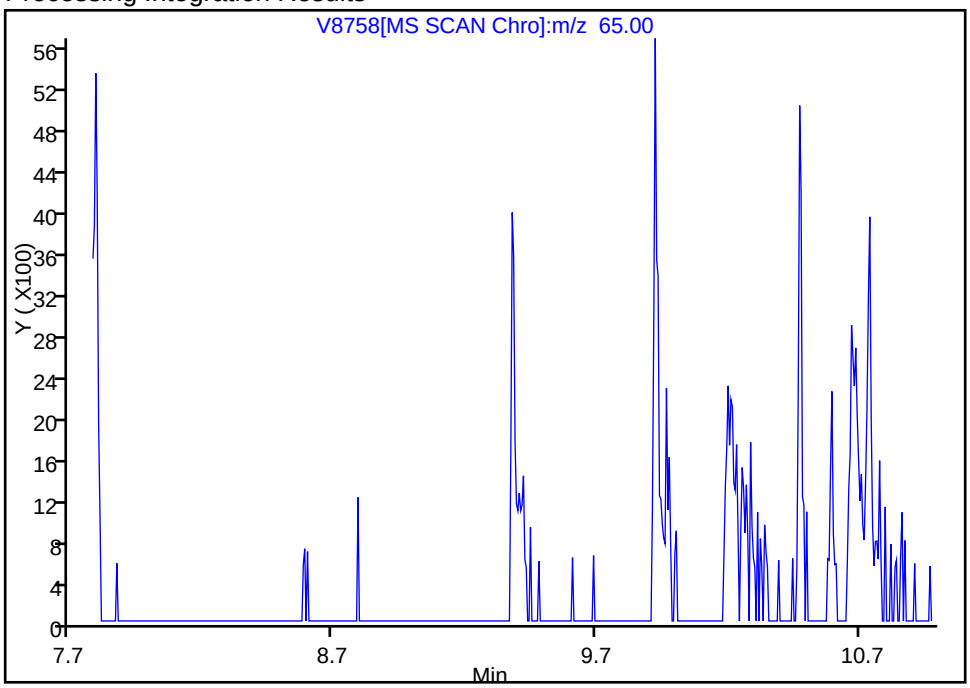
Manual Integration/User Assign Peak Report

Data File:	\\Bufchrom\ChromData\HP5973V\20120409-10827.b\V8758.D		
Injection Date:	09-Apr-2012 14:10:30	Limit Group:	MB - 8270C ICAL
Client ID:		Instrument ID:	HP5973V
Lims Batch ID:	58695	Lims Sample ID:	2
Operator ID:	HL	Injection Vol:	1.00 ul
Column Type:	RXI-5Sil MS	Column Dia:	0.25 mm

145 2-Nitroaniline, Signal: 1, m/z: 65.0 Type: quant, RT: 9.38

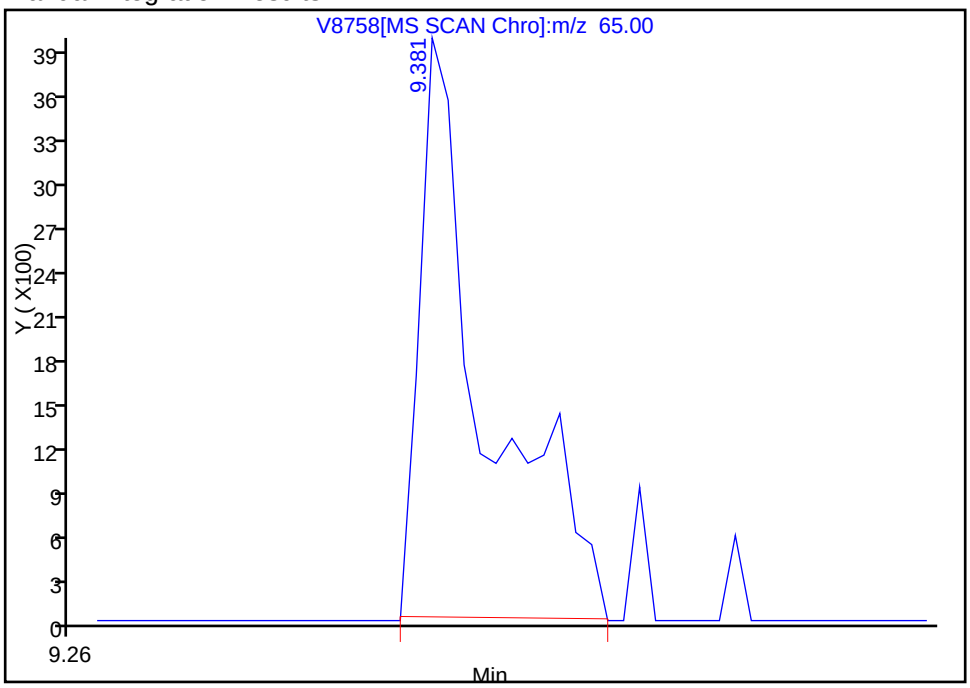
Not Detected
Expected RT: 9.38

Processing Integration Results



Manual Integration Results

RT: 9.38
Response: 6027
Amount: 5.150206



Reviewer: lyh, 09-Apr-2012 15:30:43
Audit Action: Manually Integrated
Audit Reason: Assign Peak

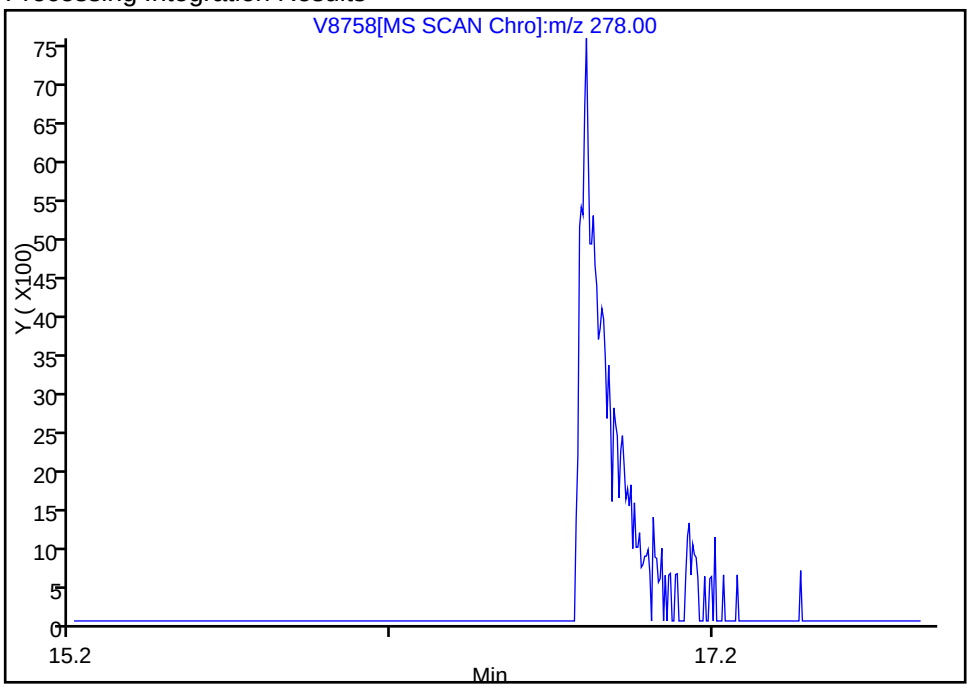
Manual Integration/User Assign Peak Report

Data File:	\\Bufchrom\ChromData\HP5973V\20120409-10827.b\V8758.D		
Injection Date:	09-Apr-2012 14:10:30	Limit Group:	MB - 8270C ICAL
Client ID:		Instrument ID:	HP5973V
Lims Batch ID:	58695	Lims Sample ID:	2
Operator ID:	HL	Injection Vol:	1.00 ul
Column Type:	RXI-5Sil MS	Column Dia:	0.25 mm

220 Dibenz(a,h)anthracene, Signal: 1, m/z: 278.0 Type: quant, RT: 16.81

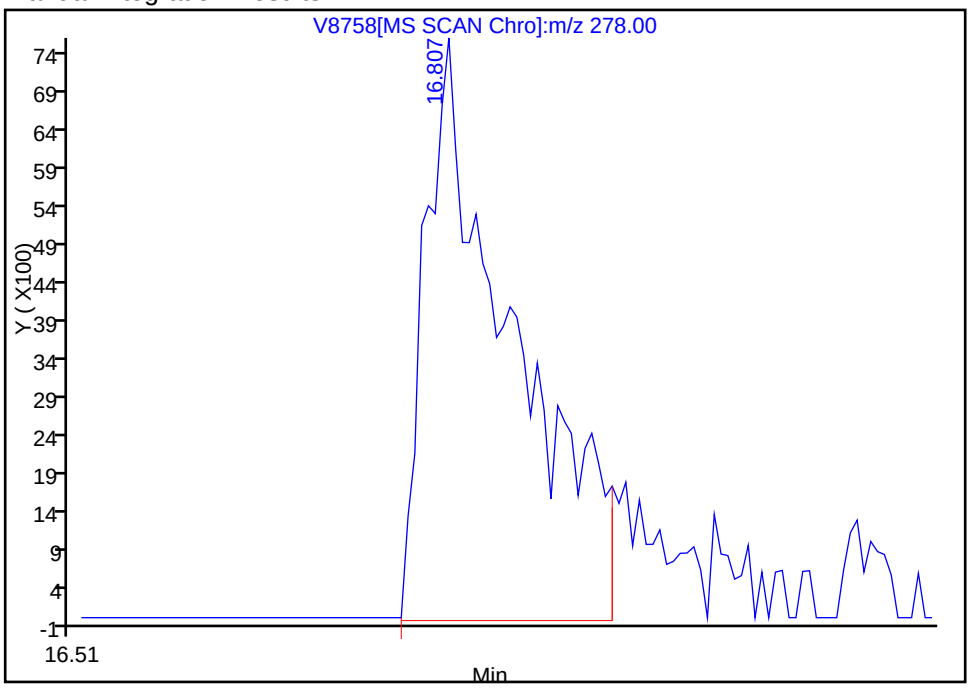
Not Detected
Expected RT: 16.81

Processing Integration Results



Manual Integration Results

RT: 16.81
Response: 36121
Amount: 5.968568



Reviewer: lyh, 09-Apr-2012 15:30:43
Audit Action: Manually Integrated
Audit Reason: Assign Peak

Report Date: 09-Apr-2012 17:26:29 Chrom Revision: 2.0 20-Feb-2012 13:27:02

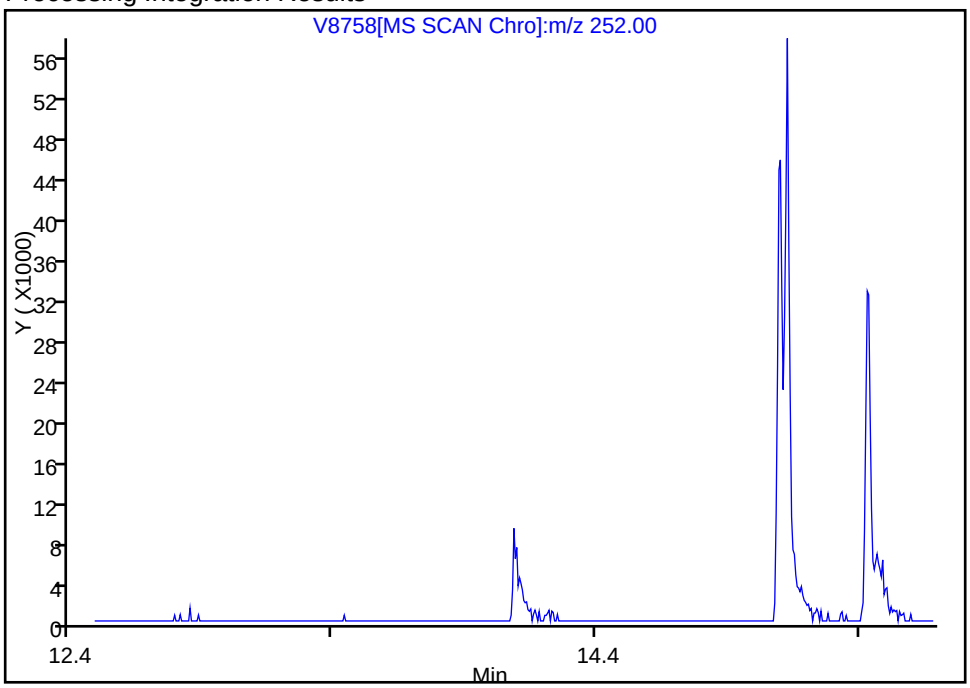
Manual Integration/User Assign Peak Report

Data File:	\\Bufchrom\ChromData\HP5973V\20120409-10827.b\V8758.D		
Injection Date:	09-Apr-2012 14:10:30	Limit Group:	MB - 8270C ICAL
Client ID:		Instrument ID:	HP5973V
Lims Batch ID:	58695	Lims Sample ID:	2
Operator ID:	HL	Injection Vol:	1.00 ul
Column Type:	RXI-5Sil MS	Column Dia:	0.25 mm

208 3,3'-Dichlorobenzidine, Signal: 1, m/z: 252.0 Type: quant, RT: 14.09

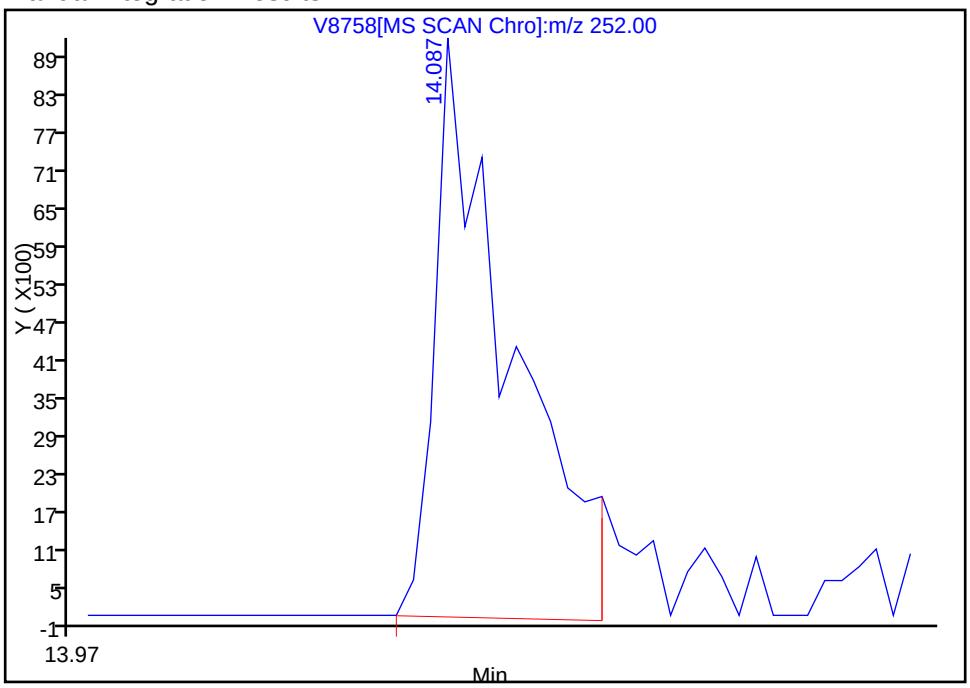
Not Detected
Expected RT: 14.09

Processing Integration Results



Manual Integration Results

RT: 14.09
Response: 15035
Amount: 5.471642



Reviewer: lyh, 09-Apr-2012 15:30:43
Audit Action: Manually Integrated
Audit Reason: Assign Peak

Report Date: 09-Apr-2012 17:26:29 Chrom Revision: 2.0 20-Feb-2012 13:27:02

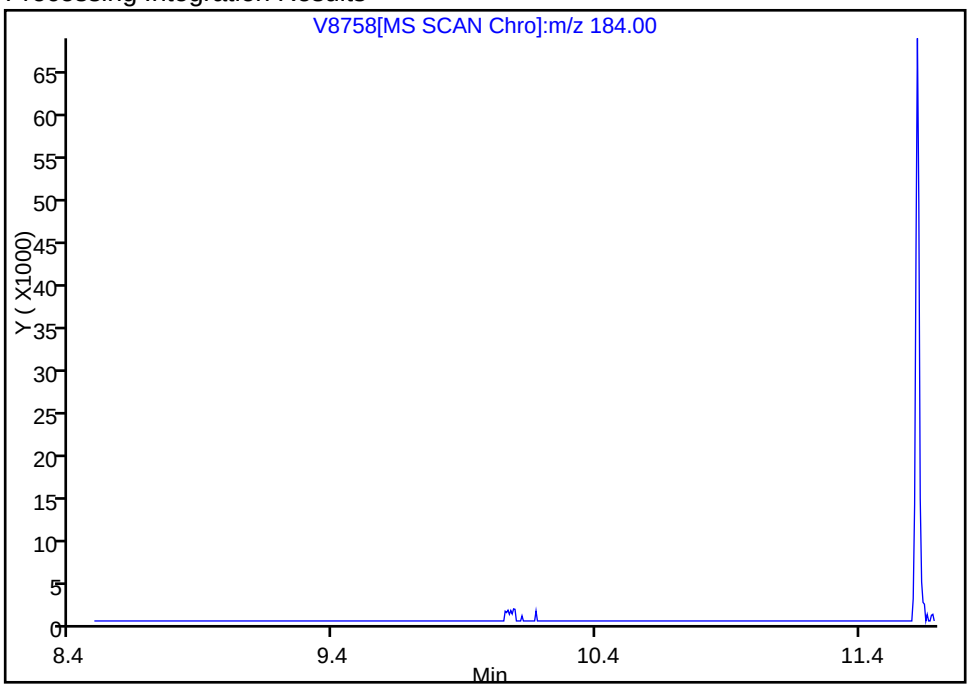
Manual Integration/User Assign Peak Report

Data File:	\\Bufchrom\ChromData\HP5973V\20120409-10827.b\V8758.D		
Injection Date:	09-Apr-2012 14:10:30	Limit Group:	MB - 8270C ICAL
Client ID:		Instrument ID:	HP5973V
Lims Batch ID:	58695	Lims Sample ID:	2
Operator ID:	HL	Injection Vol:	1.00 ul
Column Type:	RXI-5Sil MS	Column Dia:	0.25 mm

152 2,4-Dinitrophenol, Signal: 1, m/z: 184.0 Type: quant, RT: 10.09

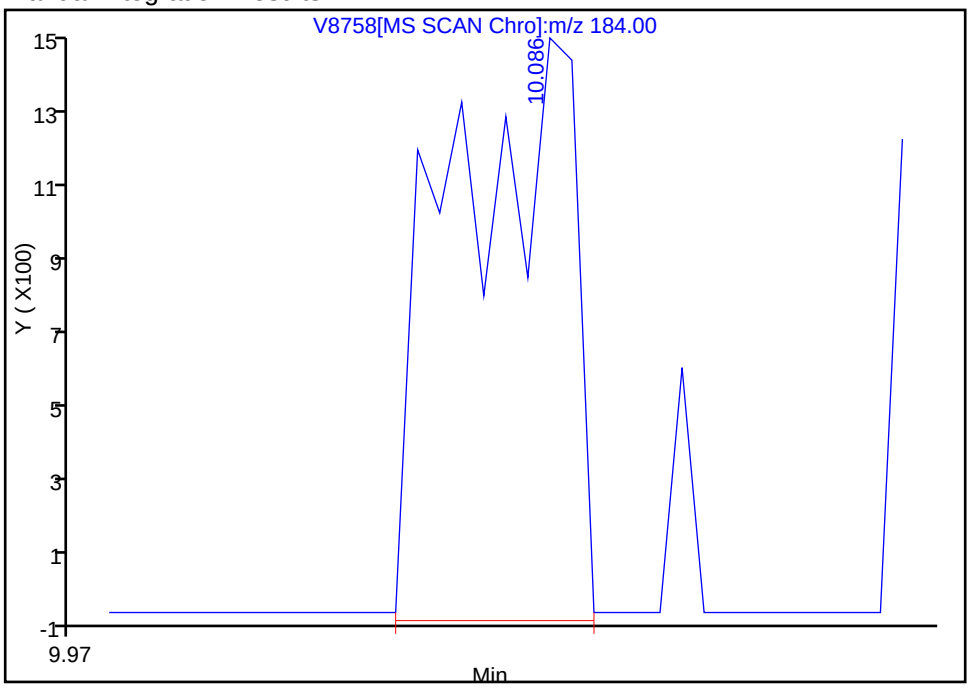
Not Detected
Expected RT: 10.09

Processing Integration Results



Manual Integration Results

RT: 10.09
Response: 2957
Amount: 11.191650



Reviewer: lyh, 09-Apr-2012 15:30:43
Audit Action: Manually Integrated
Audit Reason: Assign Peak

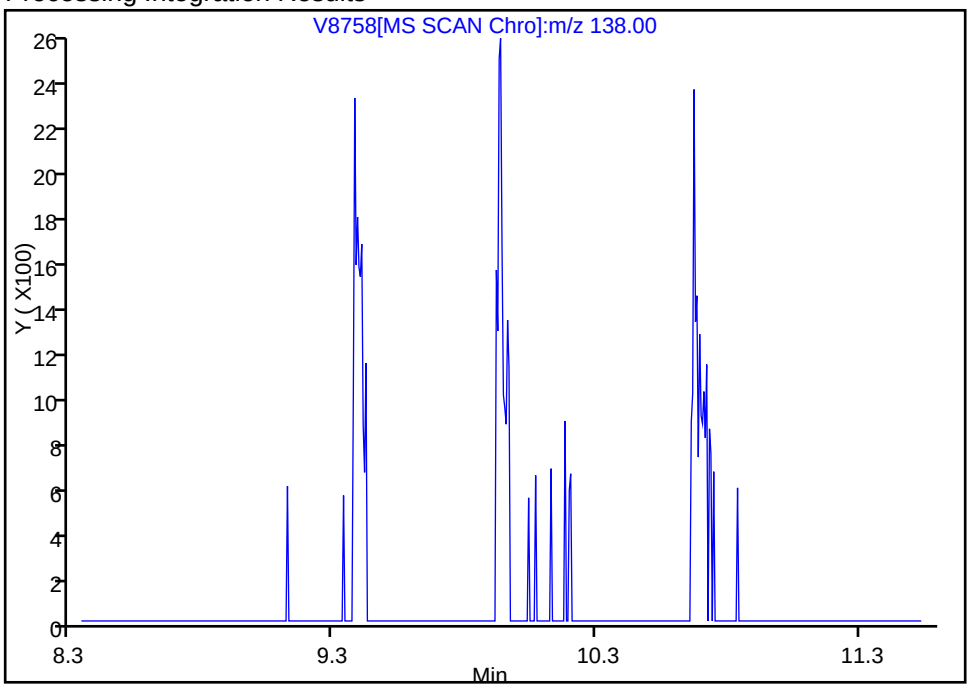
Manual Integration/User Assign Peak Report

Data File:	\\Bufchrom\ChromData\HP5973V\20120409-10827.b\V8758.D		
Injection Date:	09-Apr-2012 14:10:30	Limit Group:	MB - 8270C ICAL
Client ID:		Instrument ID:	HP5973V
Lims Batch ID:	58695	Lims Sample ID:	2
Operator ID:	HL	Injection Vol:	1.00 ul
Column Type:	RXI-5Sil MS	Column Dia:	0.25 mm

150 3-Nitroaniline, Signal: 1, m/z: 138.0 Type: quant, RT: 9.94

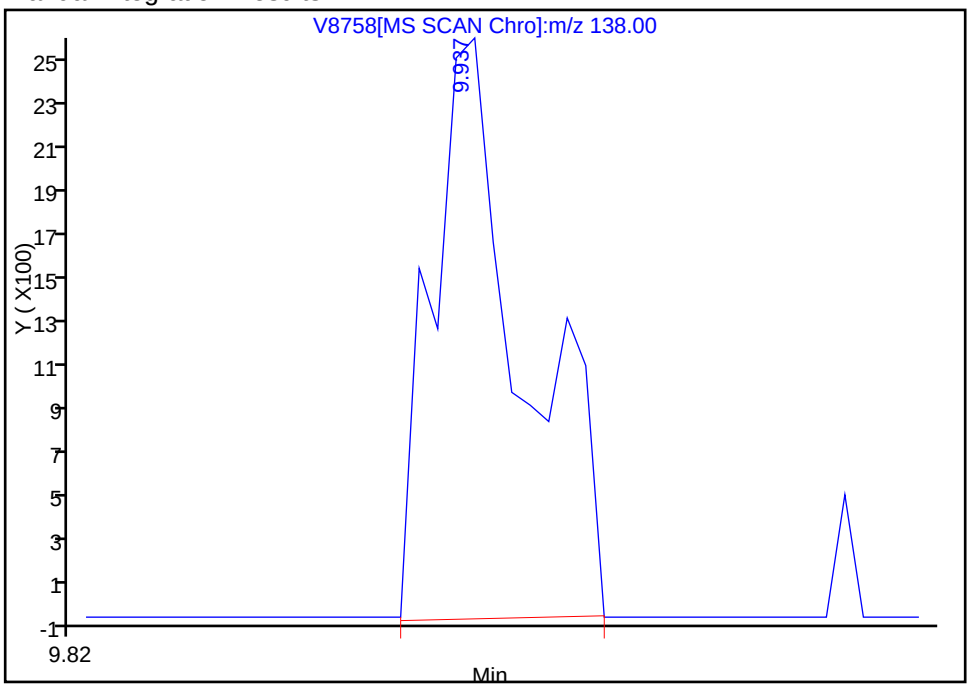
Not Detected
Expected RT: 9.94

Processing Integration Results



Manual Integration Results

RT: 9.94
Response: 4661
Amount: 5.112686



Reviewer: lyh, 09-Apr-2012 15:30:43
Audit Action: Manually Integrated
Audit Reason: Assign Peak

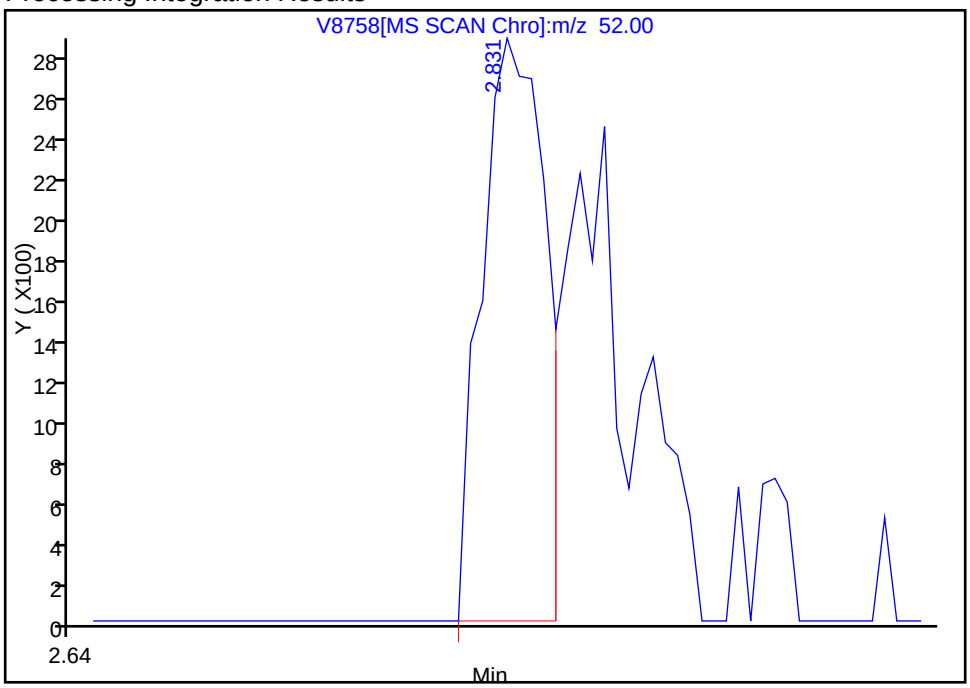
Manual Integration/User Assign Peak Report

Data File:	\\Bufchrom\ChromData\HP5973V\20120409-10827.b\V8758.D		
Injection Date:	09-Apr-2012 14:10:30	Limit Group:	MB - 8270C ICAL
Client ID:		Instrument ID:	HP5973V
Lims Batch ID:	58695	Lims Sample ID:	2
Operator ID:	HL	Injection Vol:	1.00 ul
Column Type:	RXI-5Sil MS	Column Dia:	0.25 mm

82 Pyridine, Signal: 1, m/z: 52.0 Type: quant, RT: 2.83

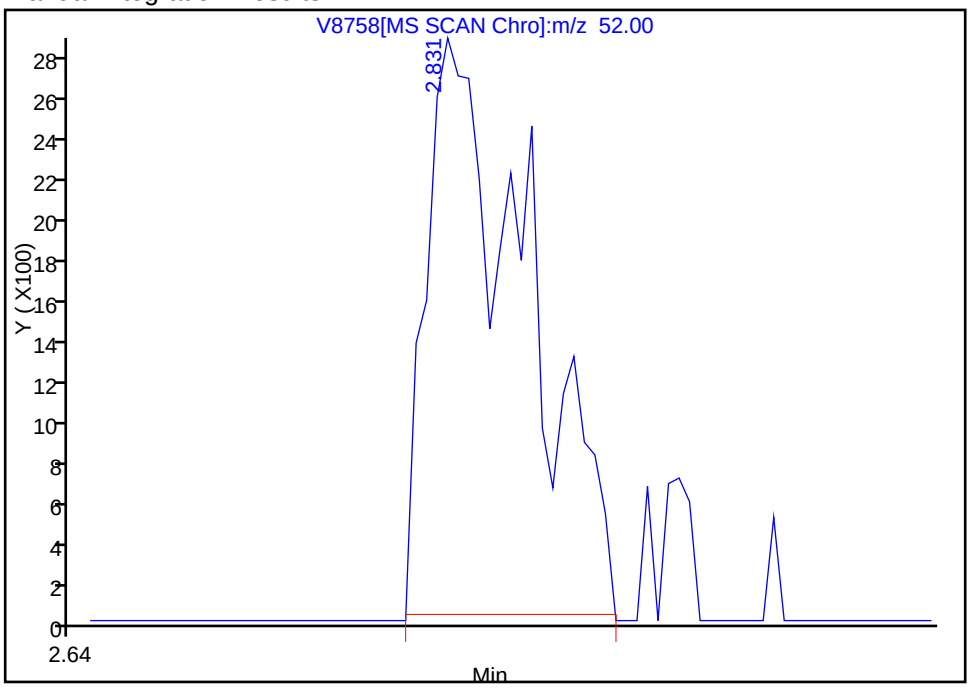
Processing Integration Results

RT: 2.83
Response: 5475
Amount: 3.452562



Manual Integration Results

RT: 2.83
Response: 9845
Amount: 4.599030



Reviewer: lyh, 09-Apr-2012 15:30:43
Audit Action: Manually Integrated
Audit Reason: Assign Peak

TestAmerica Laboratories
Target Compound Quantitation Report

Data File:	\\Bufchrom\ChromData\HP5973V\20120409-10827.b\V8759.D		
Lims ID:	IC 20 - 8270	Client ID:	
Inject. Date:	09-Apr-2012 14:38:30	Dil. Factor:	1.0000
Sample Type:	IC	Calib Level:	2
Sample ID:	480-0010827-003		
Misc. Info.:	CCV TCLADD		
Operator:	HL	Instrument ID:	HP5973V
Vol. Injected:	1.0000	ALS Bottle#:	7
Lims Batch ID:	58695	Lims Sample ID:	3
Sublist:	chrom-V-8270*sub23		
Detector:	MS SCAN		
Method:	\\Bufchrom\ChromData\HP5973V\20120409-10827.b\V-8270.m		
Last Update:	09-Apr-2012 17:26:32	Calib Date:	09-Apr-2012 16:15:30
Quant Method:	Internal Standard	Quant By:	Initial Calibration
Last ICal File:	\\Bufchrom\ChromData\HP5973V\20120409-10827.b\V8763.D		
Limit Group:	MB - 8270C ICAL		
Integrator:	RTE	ID Type:	Deconvolution ID
Process Host:	CORP-CTX-19		

First Level Reviewer: lyh Date: 09-Apr-2012 17:26:32

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ng/uL	Flags
* 1 1,4-Dichlorobenzene-d4	152	6.010	6.010	0.0	95	114510	40.0	
* 2 Naphthalene-d8	136	7.661	7.661	0.0	99	416791	40.0	
* 3 Acenaphthene-d10	164	9.926	9.926	0.0	91	264986	40.0	
* 4 Phenanthrene-d10	188	11.625	11.625	0.0	97	481134	40.0	
* 5 Chrysene-d12	240	14.114	14.114	0.0	97	469726	40.0	
* 6 Perylene-d12	264	15.493	15.493	0.0	99	445005	40.0	
$ 9 2-Fluorophenol	112	4.306	4.306	0.0	78	77315	19.6	
$ 10 Phenol-d5	99	5.524	5.524	0.0	95	100431	19.2	
$ 11 Nitrobenzene-d5	82	6.731	6.731	0.0	84	91671	20.7	
$ 12 2-Fluorobiphenyl	172	9.066	9.066	0.0	99	178127	21.4	
$ 13 2,4,6-Tribromophenol	330	10.877	10.877	0.0	74	17197	17.8	
$ 14 p-Terphenyl-d14	244	13.169	13.169	0.0	98	214371	21.0	
81 N-Nitrosodimethylamine	42	2.746	2.746	0.0	76	41857	19.3	
82 Pyridine	52	2.816	2.816	0.0	92	43336	20.5	M
89 Phenol	94	5.545	5.545	0.0	93	102659	19.3	
90 Aniline	93	5.583	5.583	0.0	87	133910	20.3	
91 Bis(2-chloroethyl)ether	93	5.668	5.668	0.0	96	81511	19.6	
93 2-Chlorophenol	128	5.732	5.732	0.0	87	76600	20.4	
94 1,3-Dichlorobenzene	146	5.930	5.930	0.0	92	91764	20.9	
95 1,4-Dichlorobenzene	146	6.032	6.032	0.0	80	90468	20.1	
96 Benzyl alcohol	108	6.192	6.192	0.0	83	50982	19.5	
97 1,2-Dichlorobenzene	146	6.224	6.224	0.0	86	83654	19.9	
98 2-Methylphenol	108	6.341	6.341	0.0	91	75150	20.8	
99 2,2'-oxybis[1-chloropropane]	45	6.368	6.368	0.0	71	60489	20.3	
101 N-Nitrosodi-n-propylamine	70	6.539	6.539	0.0	76	61916	20.1	
102 4-Methylphenol	108	6.544	6.544	0.0	93	72760	19.8	
106 Hexachloroethane	117	6.662	6.662	0.0	87	37180	22.3	
107 Nitrobenzene	77	6.758	6.758	0.0	78	95424	20.7	
110 Isophorone	82	7.068	7.068	0.0	99	165094	20.8	
111 2-Nitrophenol	139	7.175	7.175	0.0	94	36165	20.3	

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ng/uL	Flags
112 2,4-Dimethylphenol	107	7.239	7.239	0.0	95	76557	20.0	
113 Tetraethyl lead	237	7.276	7.276	0.0	87	34590	23.2	
115 Bis(2-chloroethoxy)methane	93	7.362	7.362	0.0	97	92433	21.1	
119 Benzoic acid	105	7.463	7.463	0.0	83	250779	122.9	
117 2,4-Dichlorophenol	162	7.490	7.490	0.0	81	56173	19.3	
120 1,2,4-Trichlorobenzene	180	7.592	7.592	0.0	88	70597	20.7	
121 Naphthalene	128	7.688	7.688	0.0	96	217984	20.8	
123 4-Chloroaniline	127	7.784	7.784	0.0	84	80047	20.1	
126 Hexachlorobutadiene	225	7.853	7.853	0.0	93	46168	21.8	
131 4-Chloro-3-methylphenol	107	8.414	8.414	0.0	86	64886	20.8	
133 2-Methylnaphthalene	142	8.591	8.591	0.0	91	149747	20.8	
136 Hexachlorocyclopentadiene	237	8.788	8.788	0.0	95	40681	19.0	
139 2,4,6-Trichlorophenol	196	8.959	8.959	0.0	87	44955	20.9	
140 2,4,5-Trichlorophenol	196	9.013	9.013	0.0	87	43285	19.9	
143 2-Chloronaphthalene	162	9.216	9.216	0.0	97	137461	20.4	
145 2-Nitroaniline	65	9.370	9.370	0.0	61	37363	19.1	
147 Dimethyl phthalate	163	9.606	9.606	0.0	96	168754	20.8	
148 2,6-Dinitrotoluene	165	9.680	9.680	0.0	80	32632	20.0	
149 Acenaphthylene	152	9.744	9.744	0.0	89	232282	20.7	
150 3-Nitroaniline	138	9.910	9.910	0.0	86	31435	18.9	
151 Acenaphthene	153	9.963	9.963	0.0	93	143258	21.1	
152 2,4-Dinitrophenol	184	10.060	10.060	0.0	42	11660	18.5	M
153 4-Nitrophenol	109	10.166	10.166	0.0	62	7137	16.0	
155 Dibenzofuran	168	10.182	10.182	0.0	85	202481	20.0	
154 2,4-Dinitrotoluene	165	10.193	10.193	0.0	73	48107	20.5	
160 Diethyl phthalate	149	10.476	10.476	0.0	96	172111	20.8	
161 Fluorene	166	10.589	10.589	0.0	92	176160	20.1	
162 4-Chlorophenyl phenyl ether	204	10.594	10.594	0.0	92	93070	20.6	
164 4-Nitroaniline	138	10.653	10.653	0.0	69	25022	16.9	
166 4,6-Dinitro-2-methylphenol	198	10.674	10.674	0.0	70	24720	19.4	
167 N-Nitrosodiphenylamine	169	10.738	10.738	0.0	58	121919	20.1	
168 1,2-Diphenylhydrazine	77	10.781	10.781	0.0	98	211761	21.5	
176 4-Bromophenyl phenyl ether	248	11.149	11.149	0.0	68	50729	19.7	
177 Hexachlorobenzene	284	11.208	11.208	0.0	88	51129	20.0	
181 Pentachlorophenol	266	11.438	11.438	0.0	61	17362	17.9	
185 Phenanthrene	178	11.652	11.652	0.0	95	264646	20.4	
188 Anthracene	178	11.705	11.705	0.0	97	261742	20.0	
189 Carbazole	167	11.881	11.881	0.0	83	222607	20.3	
192 Di-n-butyl phthalate	149	12.218	12.218	0.0	99	254588	19.4	
197 Fluoranthene	202	12.822	12.822	0.0	96	288528	20.4	
198 Benzidine	184	12.966	12.966	0.0	86	96769	20.1	
199 Pyrene	202	13.035	13.035	0.0	98	286739	20.8	
205 Butyl benzyl phthalate	149	13.596	13.596	0.0	96	100692	18.6	
203 3,3'-Dimethylbenzidine	212		13.601					
210 Bis(2-ethylhexyl) phthalate	149	14.077	14.077	0.0	96	138856	18.7	
208 3,3'-Dichlorobenzidine	252	14.082	14.082	0.0	45	78652	18.1	
209 Benzo[a]anthracene	228	14.104	14.104	0.0	93	275532	21.1	
211 Chrysene	228	14.141	14.141	0.0	91	258900	19.4	
212 Di-n-octyl phthalate	149	14.638	14.638	0.0	99	206687	18.5	
213 Benzo[b]fluoranthene	252	15.097	15.097	0.0	90	236413	18.6	
214 Benzo[k]fluoranthene	252	15.124	15.124	0.0	97	323898	22.2	
217 Benzo[a]pyrene	252	15.434	15.434	0.0	68	227433	20.5	

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ng/uL	Flags
219 Indeno[1,2,3-cd]pyrene	276	16.743	16.743	0.0	97	222266	18.7	
220 Dibenz(a,h)anthracene	278	16.748	16.748	0.0	30	142266	15.2	
221 Benzo[g,h,i]perylene	276	17.106	17.106	0.0	89	215583	21.8	
S 222 Total Cresols	1				0		40.6	
S 78 3-Methylphenol	1				0		19.8	
S 77 3 & 4 Methylphenol	108				0		19.8	

QC Flag Legend

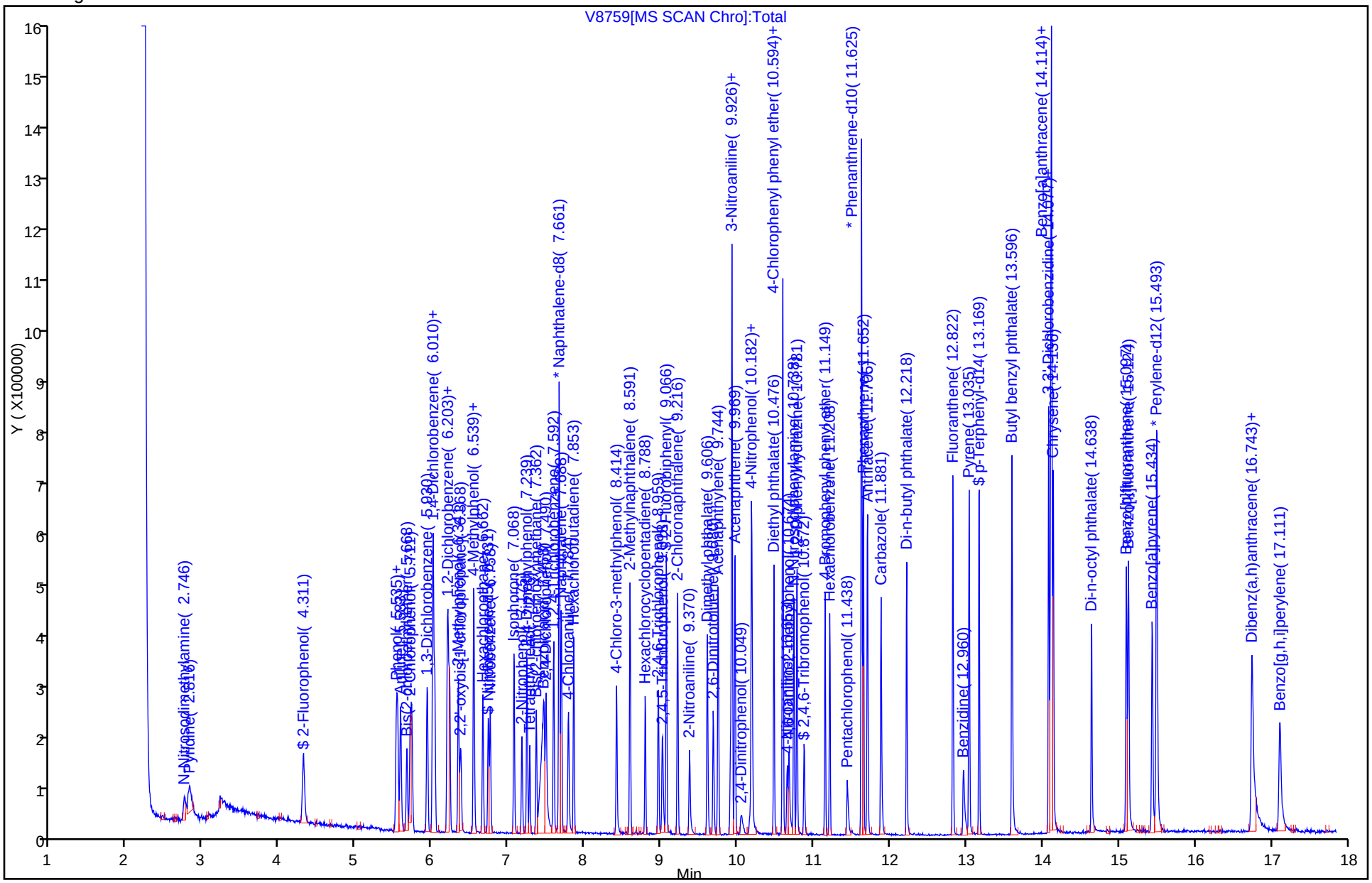
Review Flags
M - Manually Integrated

Report Date: 09-Apr-2012 17:26:33 Chrom Revision: 2.0 20-Feb-2012 13:27:02

Data File: \\Bufchrom\ChromData\HP5973V\20120409-10827.b\V8759.D

Injection Date:	09-Apr-2012 14:38:30	Limit Group:	MB - 8270C ICAL
Client ID:		Instrument ID:	HP5973V
Lims Batch ID:	58695	Lims Sample ID:	3
Operator ID:	HL	Injection Vol:	1.00 ul
Column Type:	RXI-5Sil MS	Column Dia:	0.25 mm

Y Scaling:



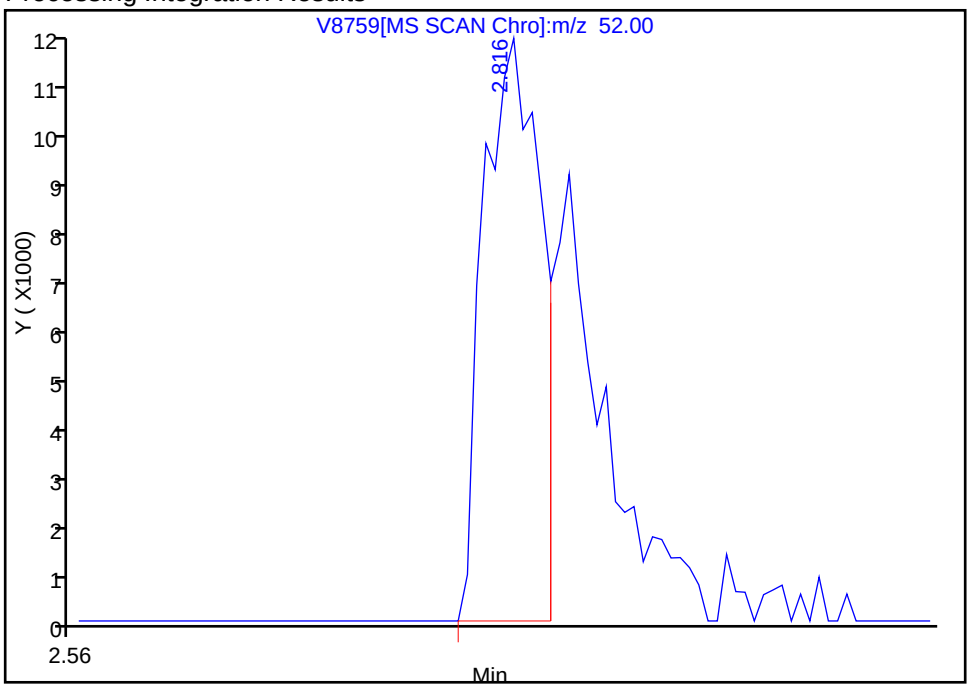
Manual Integration/User Assign Peak Report

Data File:	\\Bufchrom\ChromData\HP5973V\20120409-10827.b\V8759.D		
Injection Date:	09-Apr-2012 14:38:30	Limit Group:	MB - 8270C ICAL
Client ID:		Instrument ID:	HP5973V
Lims Batch ID:	58695	Lims Sample ID:	3
Operator ID:	HL	Injection Vol:	1.00 ul
Column Type:	RXI-5Sil MS	Column Dia:	0.25 mm

82 Pyridine, Signal: 1, m/z: 52.0 Type: quant, RT: 2.82

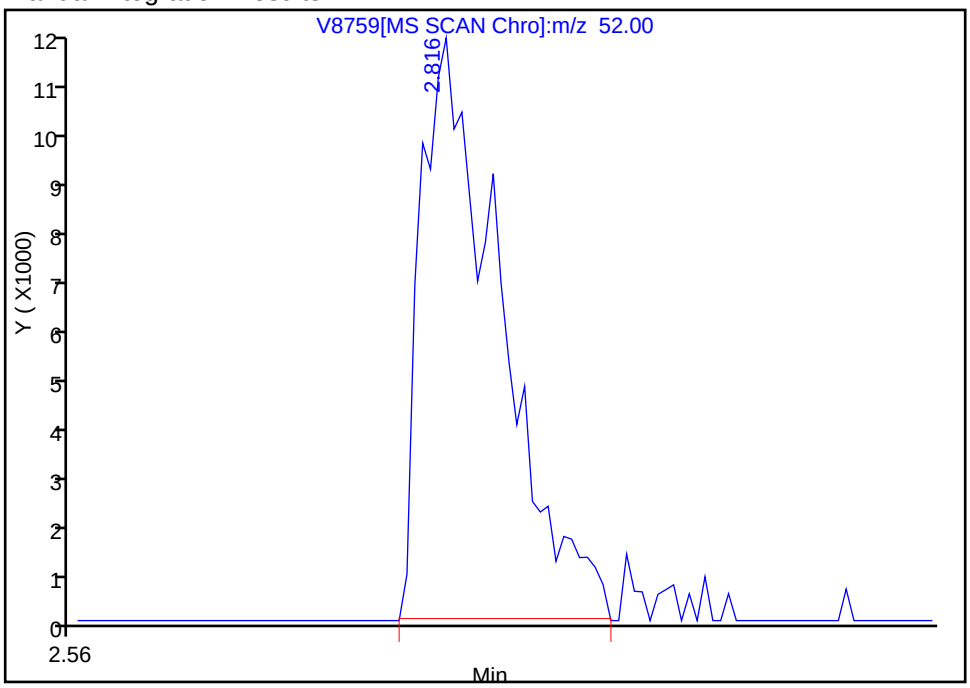
Processing Integration Results

RT: 2.82
Response: 26860
Amount: 14.522896



Manual Integration Results

RT: 2.82
Response: 43336
Amount: 20.546449



Reviewer: lyh, 09-Apr-2012 15:33:18
Audit Action: Manually Integrated
Audit Reason: Assign Peak

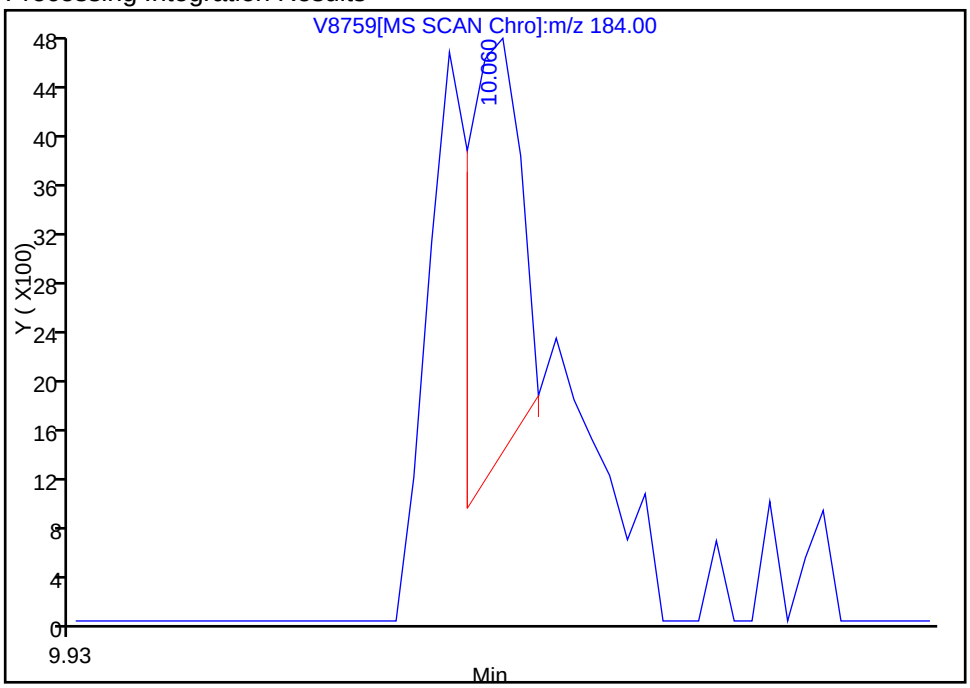
Manual Integration/User Assign Peak Report

Data File:	\\Bufchrom\ChromData\HP5973V\20120409-10827.b\V8759.D		
Injection Date:	09-Apr-2012 14:38:30	Limit Group:	MB - 8270C ICAL
Client ID:		Instrument ID:	HP5973V
Lims Batch ID:	58695	Lims Sample ID:	3
Operator ID:	HL	Injection Vol:	1.00 ul
Column Type:	RXI-5Sil MS	Column Dia:	0.25 mm

152 2,4-Dinitrophenol, Signal: 1, m/z: 184.0 Type: quant, RT: 10.06

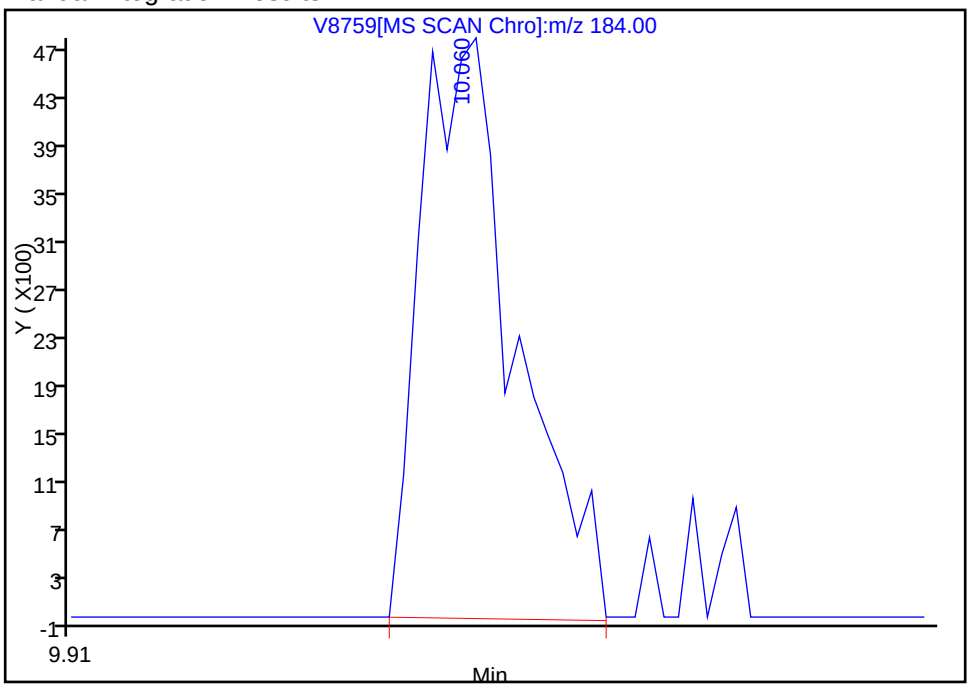
Processing Integration Results

RT: 10.06
Response: 3813
Amount: 8.094039



Manual Integration Results

RT: 10.06
Response: 11660
Amount: 18.496465



Reviewer: lyh, 09-Apr-2012 15:33:18
Audit Action: Manually Integrated
Audit Reason: Assign Peak

TestAmerica Laboratories
Target Compound Quantitation Report

Data File:	\\Bufchrom\ChromData\HP5973V\20120409-10827.b\V8760.D		
Lims ID:	ICIS 50 - 8270	Client ID:	
Inject. Date:	09-Apr-2012 15:02:30	Dil. Factor:	1.0000
Sample Type:	ICIS	Calib Level:	3
Sample ID:	480-0010827-004		
Misc. Info.:	ICIS 50 - 8270		
Operator:	HL	Instrument ID:	HP5973V
Vol. Injected:	1.0000	ALS Bottle#:	8
Lims Batch ID:	58695	Lims Sample ID:	4
Sublist:	chrom-V-8270*sub23		
Detector:	MS SCAN		
Method:	\\Bufchrom\ChromData\HP5973V\20120409-10827.b\V-8270.m		
Last Update:	09-Apr-2012 17:26:35	Calib Date:	09-Apr-2012 16:15:30
Quant Method:	Internal Standard	Quant By:	Initial Calibration
Last ICal File:	\\Bufchrom\ChromData\HP5973V\20120409-10827.b\V8763.D		
Limit Group:	MB - 8270C ICAL		
Integrator:	RTE	ID Type:	Deconvolution ID
Process Host:	CORP-CTX-19		

First Level Reviewer: lyh Date: 09-Apr-2012 17:26:35

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ng/uL	Flags
* 1 1,4-Dichlorobenzene-d4	152	6.010	6.010	0.0	96	115208	40.0	
* 2 Naphthalene-d8	136	7.661	7.661	0.0	99	428585	40.0	
* 3 Acenaphthene-d10	164	9.926	9.926	0.0	88	277951	40.0	
* 4 Phenanthrene-d10	188	11.625	11.625	0.0	97	494657	40.0	
* 5 Chrysene-d12	240	14.119	14.119	0.0	97	478240	40.0	
* 6 Perylene-d12	264	15.498	15.498	0.0	99	449048	40.0	
$ 9 2-Fluorophenol	112	4.316	4.316	0.0	87	206569	52.2	
$ 10 Phenol-d5	99	5.529	5.529	0.0	96	269012	51.2	
$ 11 Nitrobenzene-d5	82	6.737	6.737	0.0	89	238867	52.5	
$ 12 2-Fluorobiphenyl	172	9.066	9.066	0.0	99	439075	50.2	
$ 13 2,4,6-Tribromophenol	330	10.871	10.871	0.0	86	53508	53.8	
$ 14 p-Terphenyl-d14	244	13.169	13.169	0.0	99	546662	52.7	
81 N-Nitrosodimethylamine	42	2.751	2.751	0.0	76	111017	50.8	
82 Pyridine	52	2.821	2.821	0.0	90	113963	53.7	M
89 Phenol	94	5.545	5.545	0.0	97	270882	50.5	
90 Aniline	93	5.583	5.583	0.0	88	323572	48.9	
91 Bis(2-chloroethyl)ether	93	5.668	5.668	0.0	99	209522	50.1	
93 2-Chlorophenol	128	5.732	5.732	0.0	92	192151	50.8	
94 1,3-Dichlorobenzene	146	5.935	5.935	0.0	94	227324	51.5	
95 1,4-Dichlorobenzene	146	6.031	6.031	0.0	83	232346	51.3	
96 Benzyl alcohol	108	6.197	6.197	0.0	86	140769	53.5	
97 1,2-Dichlorobenzene	146	6.229	6.229	0.0	78	210349	49.7	
98 2-Methylphenol	108	6.341	6.341	0.0	96	182926	50.2	
99 2,2'-oxybis[1-chloropropane]	45	6.368	6.368	0.0	73	153118	51.0	
101 N-Nitrosodi-n-propylamine	70	6.539	6.539	0.0	81	160850	51.9	
102 4-Methylphenol	108	6.544	6.544	0.0	93	193275	52.3	
106 Hexachloroethane	117	6.662	6.662	0.0	94	88071	52.6	
107 Nitrobenzene	77	6.758	6.758	0.0	80	249409	52.7	
110 Isophorone	82	7.073	7.073	0.0	99	431832	52.8	
111 2-Nitrophenol	139	7.175	7.175	0.0	96	98773	54.0	

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ng/uL	Flags
112 2,4-Dimethylphenol	107	7.239	7.239	0.0	98	205409	52.3	
113 Tetraethyl lead	237	7.276	7.276	0.0	92	68255	44.5	
115 Bis(2-chloroethoxy)methane	93	7.362	7.362	0.0	99	233925	51.9	
119 Benzoic acid	105	7.474	7.474	0.0	81	359682	156.0	
117 2,4-Dichlorophenol	162	7.484	7.484	0.0	92	157524	52.7	
120 1,2,4-Trichlorobenzene	180	7.591	7.591	0.0	93	183407	52.3	
121 Naphthalene	128	7.687	7.687	0.0	96	548339	50.9	
123 4-Chloroaniline	127	7.778	7.778	0.0	91	213837	52.2	
126 Hexachlorobutadiene	225	7.853	7.853	0.0	95	115354	52.9	
131 4-Chloro-3-methylphenol	107	8.414	8.414	0.0	88	174593	52.1	
133 2-Methylnaphthalene	142	8.590	8.590	0.0	90	382788	51.7	
136 Hexachlorocyclopentadiene	237	8.788	8.788	0.0	98	120221	49.4	
139 2,4,6-Trichlorophenol	196	8.959	8.959	0.0	94	120686	53.5	
140 2,4,5-Trichlorophenol	196	9.007	9.007	0.0	92	122557	50.6	
143 2-Chloronaphthalene	162	9.215	9.215	0.0	97	364384	51.5	
145 2-Nitroaniline	65	9.365	9.365	0.0	72	111756	49.8	
147 Dimethyl phthalate	163	9.605	9.605	0.0	96	439365	51.6	
148 2,6-Dinitrotoluene	165	9.685	9.685	0.0	85	92488	50.8	
149 Acenaphthylene	152	9.744	9.744	0.0	90	607493	51.6	
150 3-Nitroaniline	138	9.904	9.904	0.0	89	95218	49.4	
151 Acenaphthene	153	9.969	9.969	0.0	94	356597	50.1	
152 2,4-Dinitrophenol	184	10.038	10.038	0.0	75	48992	47.7	
155 Dibenzofuran	168	10.182	10.182	0.0	86	539095	50.8	
154 2,4-Dinitrotoluene	165	10.193	10.193	0.0	69	136321	55.3	
153 4-Nitrophenol	109	10.140	10.140	0.0	90	50067	45.4	
160 Diethyl phthalate	149	10.481	10.481	0.0	96	455933	52.6	
161 Fluorene	166	10.594	10.594	0.0	82	460210	49.9	
162 4-Chlorophenyl phenyl ether	204	10.599	10.599	0.0	94	238004	50.3	
164 4-Nitroaniline	138	10.652	10.652	0.0	78	85719	46.9	
166 4,6-Dinitro-2-methylphenol	198	10.674	10.674	0.0	71	77262	47.3	
167 N-Nitrosodiphenylamine	169	10.738	10.738	0.0	59	318791	51.2	
168 1,2-Diphenylhydrazine	77	10.781	10.781	0.0	97	525433	50.8	
176 4-Bromophenyl phenyl ether	248	11.149	11.149	0.0	64	133309	50.2	
177 Hexachlorobenzene	284	11.213	11.213	0.0	91	126671	48.2	
181 Pentachlorophenol	266	11.432	11.432	0.0	84	61404	44.7	
185 Phenanthrene	178	11.651	11.651	0.0	96	682164	51.2	
188 Anthracene	178	11.705	11.705	0.0	96	702983	52.1	
189 Carbazole	167	11.881	11.881	0.0	82	573594	50.9	
192 Di-n-butyl phthalate	149	12.218	12.218	0.0	100	710037	52.6	
197 Fluoranthene	202	12.821	12.821	0.0	97	733763	50.4	
198 Benzidine	184	12.955	12.955	0.0	95	218743	40.8	
199 Pyrene	202	13.035	13.035	0.0	98	737094	52.5	
205 Butyl benzyl phthalate	149	13.596	13.596	0.0	96	297185	49.8	
203 3,3'-Dimethylbenzidine	212		13.601					
210 Bis(2-ethylhexyl) phthalate	149	14.077	14.077	0.0	96	397758	48.8	
208 3,3'-Dichlorobenzidine	252	14.077	14.077	0.0	58	248495	50.5	
209 Benzo[a]anthracene	228	14.109	14.109	0.0	97	698838	52.5	
211 Chrysene	228	14.141	14.141	0.0	93	673602	49.6	
212 Di-n-octyl phthalate	149	14.643	14.643	0.0	99	608653	49.6	
213 Benzo[b]fluoranthene	252	15.102	15.102	0.0	91	662592	51.7	
214 Benzo[k]fluoranthene	252	15.129	15.129	0.0	97	750041	51.0	
217 Benzo[a]pyrene	252	15.439	15.439	0.0	71	590217	52.7	

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ng/uL	Flags
219 Indeno[1,2,3-cd]pyrene	276	16.748	16.748	0.0	96	650131	54.1	
220 Dibenz(a,h)anthracene	278	16.759	16.759	0.0	53	567064	51.2	
221 Benzo[g,h,i]perylene	276	17.111	17.111	0.0	92	561336	56.3	
S 222 Total Cresols	1				0		102.6	
S 78 3-Methylphenol	1				0		52.3	
S 77 3 & 4 Methylphenol	108				0		52.3	

QC Flag Legend

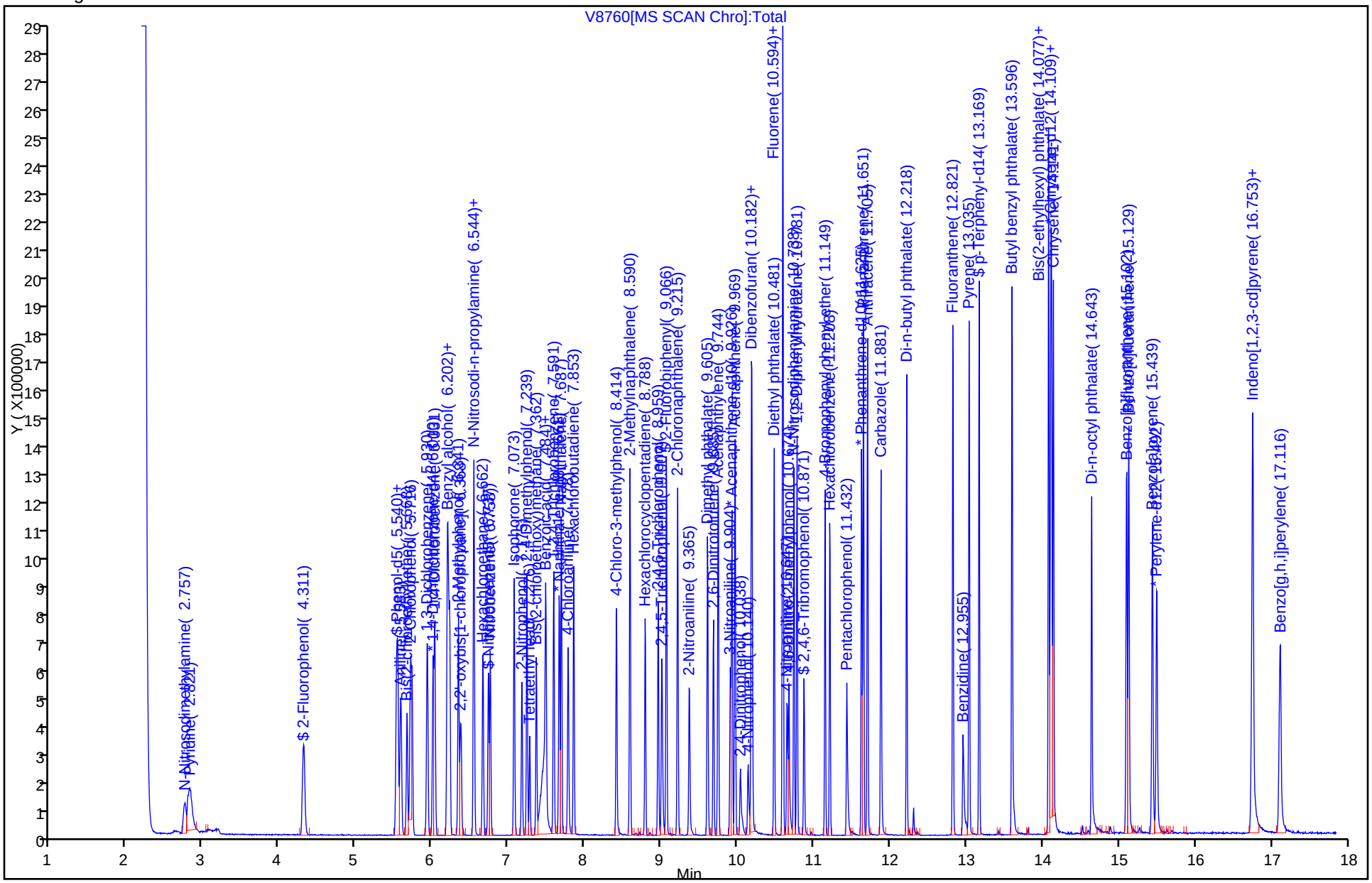
Review Flags
M - Manually Integrated

Report Date: 09-Apr-2012 17:26:36 Chrom Revision: 2.0 20-Feb-2012 13:27:02

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Client ID:		Instrument ID:	HP5973V
Lims Batch ID:	58695	Lims Sample ID:	4
Operator ID:	HL	Injection Vol:	1.00 ul
Column Type:	RXI-5Sil MS	Column Dia:	0.25 mm

Y Scaling:



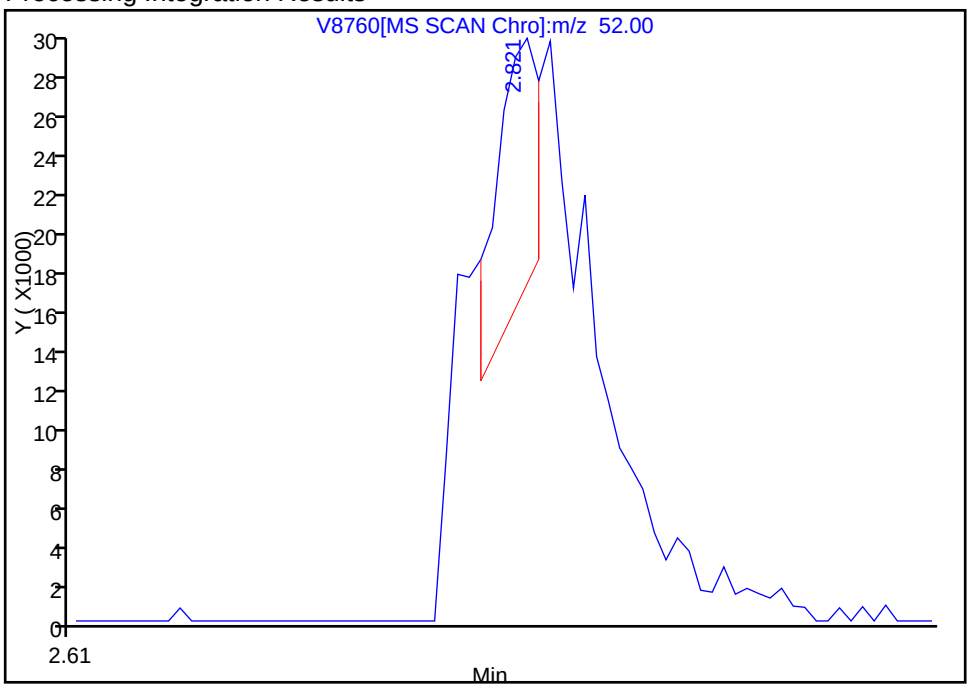
Manual Integration/User Assign Peak Report

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Client ID:		Instrument ID:	HP5973V
Lims Batch ID:	58695	Lims Sample ID:	4
Operator ID:	HL	Injection Vol:	1.00 ul
Column Type:	RXI-5Sil MS	Column Dia:	0.25 mm

82 Pyridine, Signal: 1, m/z: 52.0 Type: quant, RT: 2.82

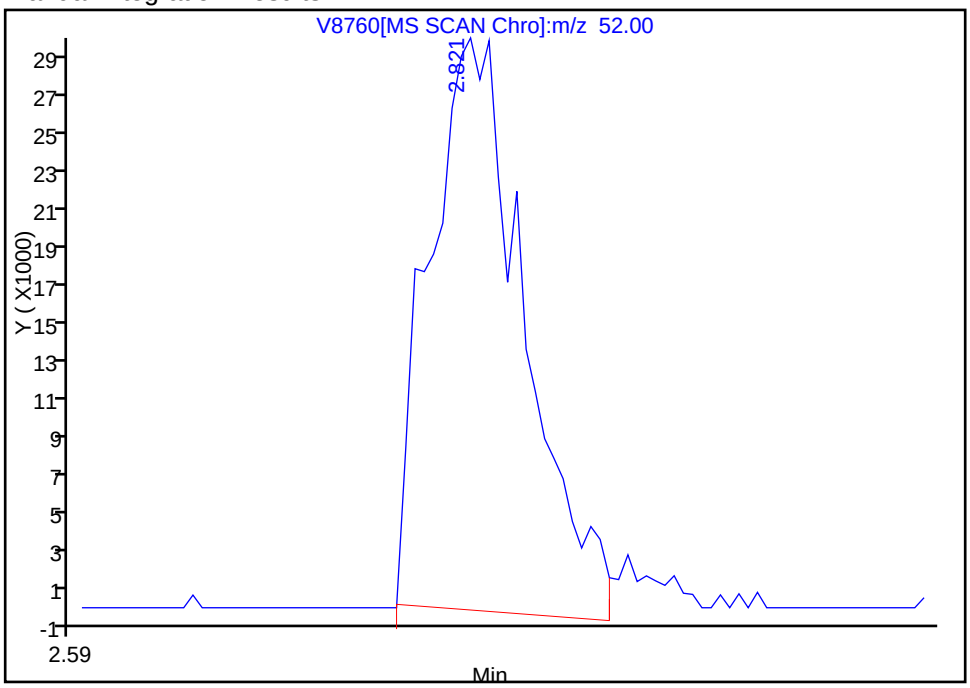
Processing Integration Results

RT: 2.82
Response: 18745
Amount: 20.001412



Manual Integration Results

RT: 2.82
Response: 113963
Amount: 53.704738



Reviewer: lyh, 09-Apr-2012 15:24:24
Audit Action: Manually Integrated
Audit Reason: Assign Peak

TestAmerica Laboratories
Target Compound Quantitation Report

Data File:	\\Bufchrom\ChromData\HP5973V\20120409-10827.b\V8761.D		
Lims ID:	IC 80 - 8270	Client ID:	
Inject. Date:	09-Apr-2012 15:27:30	Dil. Factor:	1.0000
Sample Type:	IC	Calib Level:	4
Sample ID:	480-0010827-005		
Misc. Info.:	IC 80 - 8270		
Operator:	HL	Instrument ID:	HP5973V
Vol. Injected:	1.0000	ALS Bottle#:	9
Lims Batch ID:	58695	Lims Sample ID:	5
Sublist:	chrom-V-8270*sub23		
Detector:	MS SCAN		
Method:	\\Bufchrom\ChromData\HP5973V\20120409-10827.b\V-8270.m		
Last Update:	09-Apr-2012 17:26:39	Calib Date:	09-Apr-2012 16:15:30
Quant Method:	Internal Standard	Quant By:	Initial Calibration
Last ICal File:	\\Bufchrom\ChromData\HP5973V\20120409-10827.b\V8763.D		
Limit Group:	MB - 8270C ICAL		
Integrator:	RTE	ID Type:	Deconvolution ID
Process Host:	CORP-CTX-19		

First Level Reviewer: lyh Date: 09-Apr-2012 17:26:39

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ng/uL	Flags
* 1 1,4-Dichlorobenzene-d4	152	6.010	6.010	0.0	95	120820	40.0	
* 2 Naphthalene-d8	136	7.666	7.661	0.005	99	461757	40.0	
* 3 Acenaphthene-d10	164	9.926	9.926	0.0	89	296429	40.0	
* 4 Phenanthrene-d10	188	11.625	11.625	0.0	97	522587	40.0	
* 5 Chrysene-d12	240	14.120	14.119	0.001	94	516411	40.0	
* 6 Perylene-d12	264	15.498	15.498	0.0	99	477886	40.0	
$ 9 2-Fluorophenol	112	4.317	4.316	0.001	90	350607	84.4	
$ 10 Phenol-d5	99	5.535	5.529	0.006	91	449419	81.5	
$ 11 Nitrobenzene-d5	82	6.737	6.737	0.001	89	410396	83.7	
$ 12 2-Fluorobiphenyl	172	9.071	9.066	0.005	100	747092	80.2	
$ 13 2,4,6-Tribromophenol	330	10.877	10.871	0.006	90	89861	85.6	
$ 14 p-Terphenyl-d14	244	13.169	13.169	0.0	99	928692	82.8	
81 N-Nitrosodimethylamine	42	2.751	2.751	0.0	78	199526	87.0	
82 Pyridine	52	2.826	2.821	0.005	90	176529	79.3	M
89 Phenol	94	5.551	5.545	0.006	96	457108	81.3	
90 Aniline	93	5.588	5.583	0.005	89	568875	81.9	
91 Bis(2-chloroethyl)ether	93	5.674	5.668	0.006	98	354121	80.7	
93 2-Chlorophenol	128	5.738	5.732	0.006	90	326982	82.5	
94 1,3-Dichlorobenzene	146	5.935	5.935	0.0	95	369672	79.8	
95 1,4-Dichlorobenzene	146	6.031	6.031	0.0	83	390408	82.3	
96 Benzyl alcohol	108	6.197	6.197	0.0	87	237927	86.3	
97 1,2-Dichlorobenzene	146	6.229	6.229	0.0	89	357746	80.6	
98 2-Methylphenol	108	6.341	6.341	0.0	95	302001	79.1	
99 2,2'-oxybis[1-chloropropane]	45	6.373	6.368	0.005	73	247586	78.7	
101 N-Nitrosodi-n-propylamine	70	6.544	6.539	0.005	80	277328	85.3	
102 4-Methylphenol	108	6.550	6.544	0.006	93	324775	83.8	
106 Hexachloroethane	117	6.662	6.662	0.0	91	144287	82.1	
107 Nitrobenzene	77	6.763	6.758	0.005	86	416862	81.8	
110 Isophorone	82	7.079	7.073	0.006	99	714332	81.1	
111 2-Nitrophenol	139	7.175	7.175	0.0	96	170249	86.3	

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ng/uL	Flags
112 2,4-Dimethylphenol	107	7.244	7.239	0.005	97	350074	82.7	
113 Tetraethyl lead	237	7.276	7.276	0.0	91	132924	80.4	
115 Bis(2-chloroethoxy)methane	93	7.367	7.362	0.005	98	386338	79.6	
119 Benzoic acid	105	7.517	7.474	0.043	80	645942	233.8	
117 2,4-Dichlorophenol	162	7.490	7.484	0.006	96	266187	82.6	
120 1,2,4-Trichlorobenzene	180	7.591	7.591	0.0	93	303720	80.3	
121 Naphthalene	128	7.693	7.687	0.006	96	922356	79.4	
123 4-Chloroaniline	127	7.778	7.778	0.0	84	367503	83.2	
126 Hexachlorobutadiene	225	7.853	7.853	0.0	96	184894	78.6	
131 4-Chloro-3-methylphenol	107	8.414	8.414	0.0	89	296400	81.2	
133 2-Methylnaphthalene	142	8.590	8.590	0.0	91	643885	80.8	
136 Hexachlorocyclopentadiene	237	8.793	8.788	0.005	98	212676	80.5	
139 2,4,6-Trichlorophenol	196	8.959	8.959	0.0	94	203394	84.5	
140 2,4,5-Trichlorophenol	196	9.007	9.007	0.0	93	202875	77.5	
143 2-Chloronaphthalene	162	9.215	9.215	0.0	98	606181	80.3	
145 2-Nitroaniline	65	9.370	9.365	0.005	75	195785	80.2	
147 Dimethyl phthalate	163	9.611	9.605	0.006	97	734790	80.9	
148 2,6-Dinitrotoluene	165	9.691	9.685	0.006	91	161063	81.8	
149 Acenaphthylene	152	9.750	9.744	0.006	90	1005173	80.1	
150 3-Nitroaniline	138	9.910	9.904	0.006	91	179046	84.9	
151 Acenaphthene	153	9.969	9.969	0.0	93	604325	79.6	
152 2,4-Dinitrophenol	184	10.038	10.038	0.0	80	91598	77.0	
153 4-Nitrophenol	109	10.140	10.140	0.0	92	103357	77.8	
155 Dibenzofuran	168	10.182	10.182	0.0	88	913924	80.7	
154 2,4-Dinitrotoluene	165	10.193	10.193	0.0	80	223871	85.2	
160 Diethyl phthalate	149	10.482	10.481	0.001	96	736890	79.7	
161 Fluorene	166	10.594	10.594	0.0	84	803081	81.7	
162 4-Chlorophenyl phenyl ether	204	10.599	10.599	0.0	94	401680	79.6	
164 4-Nitroaniline	138	10.658	10.652	0.006	76	158111	78.4	
166 4,6-Dinitro-2-methylphenol	198	10.679	10.674	0.005	74	146044	80.2	
167 N-Nitrosodiphenylamine	169	10.743	10.738	0.005	59	530223	80.5	
168 1,2-Diphenylhydrazine	77	10.781	10.781	0.0	97	889310	80.6	
176 4-Bromophenyl phenyl ether	248	11.149	11.149	0.0	65	230254	82.1	
177 Hexachlorobenzene	284	11.213	11.213	0.0	91	213811	77.1	
181 Pentachlorophenol	266	11.432	11.432	0.0	86	118383	75.9	
185 Phenanthrene	178	11.652	11.651	0.001	97	1114430	79.1	
188 Anthracene	178	11.705	11.705	0.0	97	1124834	79.0	
189 Carbazole	167	11.881	11.881	0.0	83	950528	79.8	
192 Di-n-butyl phthalate	149	12.218	12.218	0.0	100	1188608	83.4	
197 Fluoranthene	202	12.827	12.821	0.006	97	1228607	79.9	
198 Benzidine	184	12.955	12.955	0.0	98	510579	84.6	
199 Pyrene	202	13.041	13.035	0.005	99	1231451	81.2	
205 Butyl benzyl phthalate	149	13.596	13.596	0.0	97	545121	83.1	
203 3,3'-Dimethylbenzidine	212		13.601					
210 Bis(2-ethylhexyl) phthalate	149	14.077	14.077	0.0	96	720240	80.3	
208 3,3'-Dichlorobenzidine	252	14.082	14.077	0.005	61	422262	77.9	
209 Benzo[a]anthracene	228	14.109	14.109	0.0	96	1160434	80.7	
211 Chrysene	228	14.141	14.141	0.0	93	1156169	78.9	
212 Di-n-octyl phthalate	149	14.643	14.643	0.0	100	1106117	82.0	
213 Benzo[b]fluoranthene	252	15.103	15.102	0.001	93	1146964	84.1	
214 Benzo[k]fluoranthene	252	15.135	15.129	0.006	98	1225458	78.4	
217 Benzo[a]pyrene	252	15.439	15.439	0.0	71	1031413	86.6	

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ng/uL	Flags
219 Indeno[1,2,3-cd]pyrene	276	16.764	16.748	0.016	95	1140474	89.2	
220 Dibenz(a,h)anthracene	278	16.764	16.759	0.005	66	999425	82.8	
221 Benzo[g,h,i]perylene	276	17.122	17.111	0.011	93	873108	82.2	
S 222 Total Cresols	1				0		162.9	
S 78 3-Methylphenol	1				0		83.8	
S 77 3 & 4 Methylphenol	108				0		83.8	

QC Flag Legend

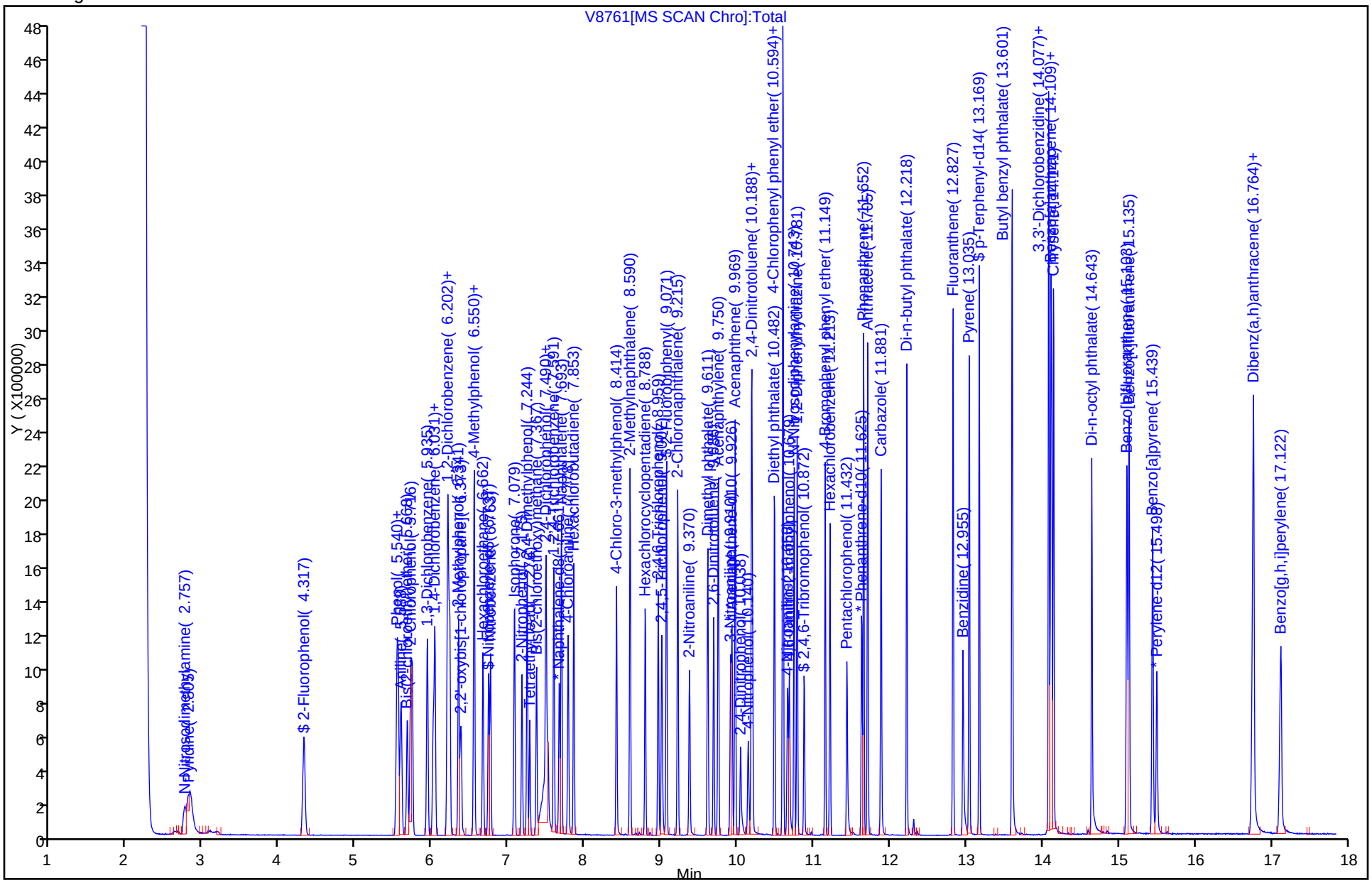
Review Flags
M - Manually Integrated

Report Date: 09-Apr-2012 17:26:39 Chrom Revision: 2.0 20-Feb-2012 13:27:02

Data File: \\Bufchrom\ChromData\HP5973V\20120409-10827.b\V8761.D

Injection Date:	09-Apr-2012 15:27:30	Limit Group:	MB - 8270C ICAL
Client ID:		Instrument ID:	HP5973V
Lims Batch ID:	58695	Lims Sample ID:	5
Operator ID:	HL	Injection Vol:	1.00 ul
Column Type:	RXI-5Sil MS	Column Dia:	0.25 mm

Y Scaling:



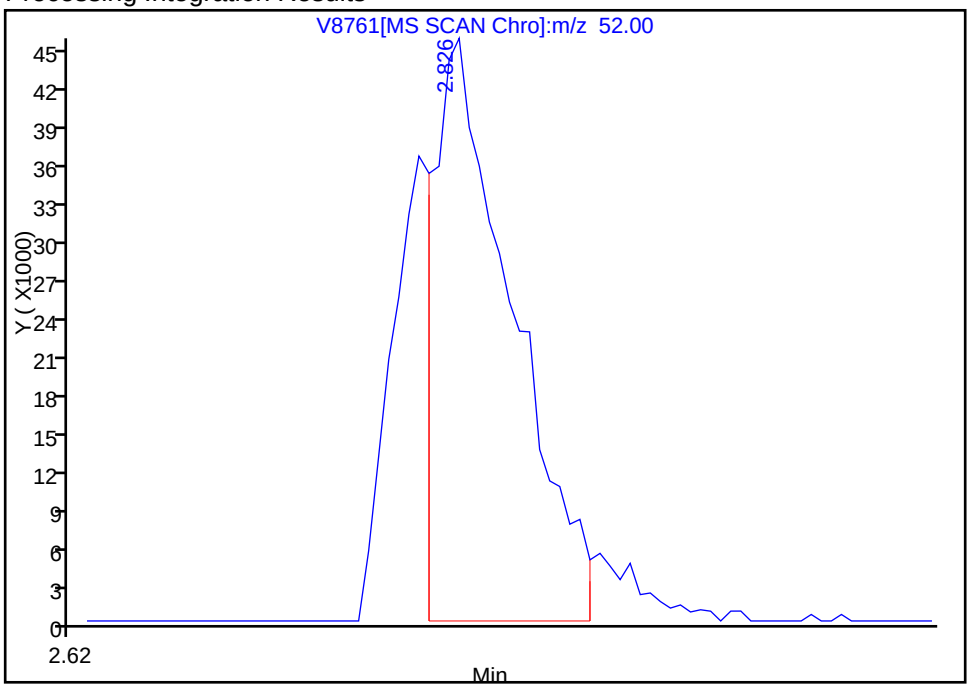
Manual Integration/User Assign Peak Report

Data File:	\\Bufchrom\ChromData\HP5973V\20120409-10827.b\V8761.D		
Injection Date:	09-Apr-2012 15:27:30	Limit Group:	MB - 8270C ICAL
Client ID:		Instrument ID:	HP5973V
Lims Batch ID:	58695	Lims Sample ID:	5
Operator ID:	HL	Injection Vol:	1.00 ul
Column Type:	RXI-5Sil MS	Column Dia:	0.25 mm

82 Pyridine, Signal: 1, m/z: 52.0 Type: quant, RT: 2.82

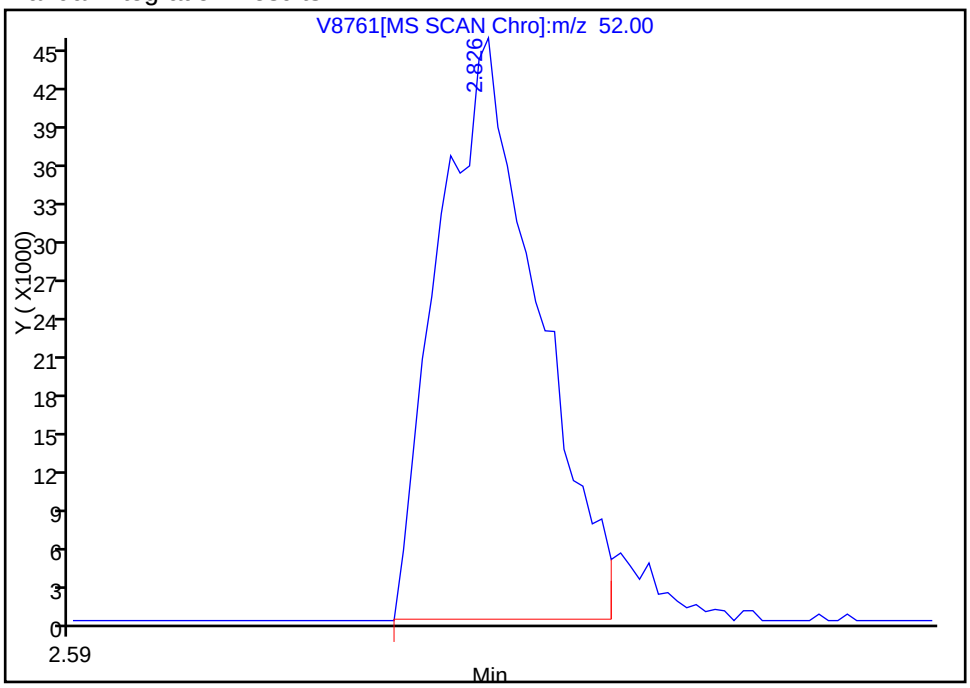
Processing Integration Results

RT: 2.83
Response: 134826
Amount: 63.597871



Manual Integration Results

RT: 2.83
Response: 176529
Amount: 79.324728



Reviewer: lyh, 09-Apr-2012 16:32:16
Audit Action: Manually Integrated
Audit Reason: Assign Peak

TestAmerica Laboratories
Target Compound Quantitation Report

Data File:	\\Bufchrom\ChromData\HP5973V\20120409-10827.b\V8762.D		
Lims ID:	IC 120 - 8270	Client ID:	
Inject. Date:	09-Apr-2012 15:51:30	Dil. Factor:	1.0000
Sample Type:	IC	Calib Level:	5
Sample ID:	480-0010827-006		
Misc. Info.:	IC 120 - 8270		
Operator:	HL	Instrument ID:	HP5973V
Vol. Injected:	1.0000	ALS Bottle#:	10
Lims Batch ID:	58695	Lims Sample ID:	6
Sublist:	chrom-V-8270*sub23		
Detector:	MS SCAN		
Method:	\\Bufchrom\ChromData\HP5973V\20120409-10827.b\V-8270.m		
Last Update:	09-Apr-2012 17:26:42	Calib Date:	09-Apr-2012 16:15:30
Quant Method:	Internal Standard	Quant By:	Initial Calibration
Last ICal File:	\\Bufchrom\ChromData\HP5973V\20120409-10827.b\V8763.D		
Limit Group:	MB - 8270C ICAL		
Integrator:	RTE	ID Type:	Deconvolution ID
Process Host:	CORP-CTX-19		

First Level Reviewer: lyh Date: 09-Apr-2012 17:26:42

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ng/uL	Flags
* 1 1,4-Dichlorobenzene-d4	152	6.010	6.010	0.0	96	150834	40.0	
* 2 Naphthalene-d8	136	7.666	7.661	0.005	99	560059	40.0	
* 3 Acenaphthene-d10	164	9.931	9.926	0.005	91	350217	40.0	
* 4 Phenanthrene-d10	188	11.630	11.625	0.005	97	617948	40.0	
* 5 Chrysene-d12	240	14.125	14.119	0.006	97	635690	40.0	
* 6 Perylene-d12	264	15.503	15.498	0.005	99	585753	40.0	
$ 9 2-Fluorophenol	112	4.322	4.316	0.006	91	604671	116.6	
$ 10 Phenol-d5	99	5.540	5.529	0.011	95	793984	115.3	
$ 11 Nitrobenzene-d5	82	6.742	6.737	0.006	88	707373	119.0	
$ 12 2-Fluorobiphenyl	172	9.071	9.066	0.005	100	1303357	118.4	
$ 13 2,4,6-Tribromophenol	330	10.877	10.871	0.006	87	162272	130.7	
$ 14 p-Terphenyl-d14	244	13.174	13.169	0.005	99	1630534	118.1	
81 N-Nitrosodimethylamine	42	2.762	2.751	0.011	82	338648	118.3	
82 Pyridine	52	2.821	2.821	0.0	91	328255	118.2	
89 Phenol	94	5.561	5.545	0.016	97	864276	123.1	
90 Aniline	93	5.593	5.583	0.010	88	999723	115.3	
91 Bis(2-chloroethyl)ether	93	5.679	5.668	0.011	99	623049	113.7	
93 2-Chlorophenol	128	5.743	5.732	0.011	92	576949	116.6	
94 1,3-Dichlorobenzene	146	5.935	5.935	0.0	94	646853	111.9	
95 1,4-Dichlorobenzene	146	6.031	6.031	0.0	91	685261	115.7	
96 Benzyl alcohol	108	6.202	6.197	0.005	88	426901	124.0	
97 1,2-Dichlorobenzene	146	6.229	6.229	0.0	90	633172	114.3	
98 2-Methylphenol	108	6.347	6.341	0.006	95	559836	117.4	
99 2,2'-oxybis[1-chloropropane]	45	6.379	6.368	0.011	76	437812	111.5	
101 N-Nitrosodi-n-propylamine	70	6.550	6.539	0.011	78	482063	118.8	
102 4-Methylphenol	108	6.555	6.544	0.011	94	588612	121.7	
106 Hexachloroethane	117	6.662	6.662	0.0	94	254679	116.1	
107 Nitrobenzene	77	6.769	6.758	0.011	85	730084	118.1	
110 Isophorone	82	7.084	7.073	0.011	99	1231974	115.3	
111 2-Nitrophenol	139	7.180	7.175	0.005	97	304072	127.1	

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ng/uL	Flags
112 2,4-Dimethylphenol	107	7.249	7.239	0.010	97	622365	121.2	
113 Tetraethyl lead	237	7.276	7.276	0.0	91	226674	113.1	
115 Bis(2-chloroethoxy)methane	93	7.367	7.362	0.005	98	688928	117.0	
119 Benzoic acid	105	7.570	7.474	0.096	81	1255195	350.9	
117 2,4-Dichlorophenol	162	7.495	7.484	0.011	95	474103	121.3	
120 1,2,4-Trichlorobenzene	180	7.597	7.591	0.006	92	525879	114.7	
121 Naphthalene	128	7.693	7.687	0.006	97	1603710	113.8	
123 4-Chloroaniline	127	7.784	7.778	0.006	85	645012	120.4	
126 Hexachlorobutadiene	225	7.853	7.853	0.0	97	321947	112.9	
131 4-Chloro-3-methylphenol	107	8.419	8.414	0.005	92	522556	117.3	
133 2-Methylnaphthalene	142	8.596	8.590	0.006	90	1124695	116.3	
136 Hexachlorocyclopentadiene	237	8.793	8.788	0.005	97	381593	121.1	
139 2,4,6-Trichlorophenol	196	8.964	8.959	0.005	94	373693	131.5	
140 2,4,5-Trichlorophenol	196	9.007	9.007	0.0	93	389164	124.7	
143 2-Chloronaphthalene	162	9.221	9.215	0.006	98	1059924	118.8	
145 2-Nitroaniline	65	9.376	9.365	0.011	76	363576	124.7	
147 Dimethyl phthalate	163	9.616	9.605	0.011	97	1264842	117.9	
148 2,6-Dinitrotoluene	165	9.696	9.685	0.011	90	285142	121.6	
149 Acenaphthylene	152	9.750	9.744	0.006	92	1760337	118.8	
150 3-Nitroaniline	138	9.921	9.904	0.017	91	306520	121.8	
151 Acenaphthene	153	9.974	9.969	0.005	93	1054784	117.6	
152 2,4-Dinitrophenol	184	10.049	10.038	0.011	81	180485	122.5	
153 4-Nitrophenol	109	10.145	10.140	0.005	91	204415	122.9	
155 Dibenzofuran	168	10.188	10.182	0.006	87	1601078	119.6	
154 2,4-Dinitrotoluene	165	10.204	10.193	0.011	16	394838	127.2	
160 Diethyl phthalate	149	10.492	10.481	0.011	97	1256537	115.1	
161 Fluorene	166	10.599	10.594	0.005	83	1419248	122.2	
162 4-Chlorophenyl phenyl ether	204	10.599	10.599	0.0	94	726813	121.9	
164 4-Nitroaniline	138	10.674	10.652	0.022	76	297208	122.6	
166 4,6-Dinitro-2-methylphenol	198	10.690	10.674	0.016	78	261500	118.6	
167 N-Nitrosodiphenylamine	169	10.749	10.738	0.011	59	938350	120.5	
168 1,2-Diphenylhydrazine	77	10.786	10.781	0.005	98	1526700	117.0	
176 4-Bromophenyl phenyl ether	248	11.155	11.149	0.006	64	410367	123.8	
177 Hexachlorobenzene	284	11.219	11.213	0.006	94	393111	119.8	
181 Pentachlorophenol	266	11.438	11.432	0.006	85	232467	121.4	
185 Phenanthrene	178	11.657	11.651	0.006	97	1927637	115.7	
188 Anthracene	178	11.710	11.705	0.005	97	1970100	117.0	
189 Carbazole	167	11.887	11.881	0.005	83	1671876	118.8	
192 Di-n-butyl phthalate	149	12.223	12.218	0.005	100	2111570	125.3	
197 Fluoranthene	202	12.827	12.821	0.006	97	2171222	119.4	
198 Benzidine	184	12.960	12.955	0.005	98	925609	123.1	
199 Pyrene	202	13.040	13.035	0.005	98	2151701	115.2	
205 Butyl benzyl phthalate	149	13.601	13.596	0.005	97	981179	120.5	
203 3,3'-Dimethylbenzidine	212		13.601					
210 Bis(2-ethylhexyl) phthalate	149	14.082	14.077	0.005	96	1327445	119.2	
208 3,3'-Dichlorobenzidine	252	14.082	14.077	0.005	64	802838	118.9	
209 Benzo[a]anthracene	228	14.114	14.109	0.005	97	2054695	116.0	
211 Chrysene	228	14.146	14.141	0.005	93	2001578	110.9	
212 Di-n-octyl phthalate	149	14.648	14.643	0.005	99	1981108	118.4	
213 Benzo[b]fluoranthene	252	15.113	15.102	0.011	92	1942762	116.2	
214 Benzo[k]fluoranthene	252	15.140	15.129	0.011	99	2227564	116.2	
217 Benzo[a]pyrene	252	15.450	15.439	0.011	72	1784804	122.2	

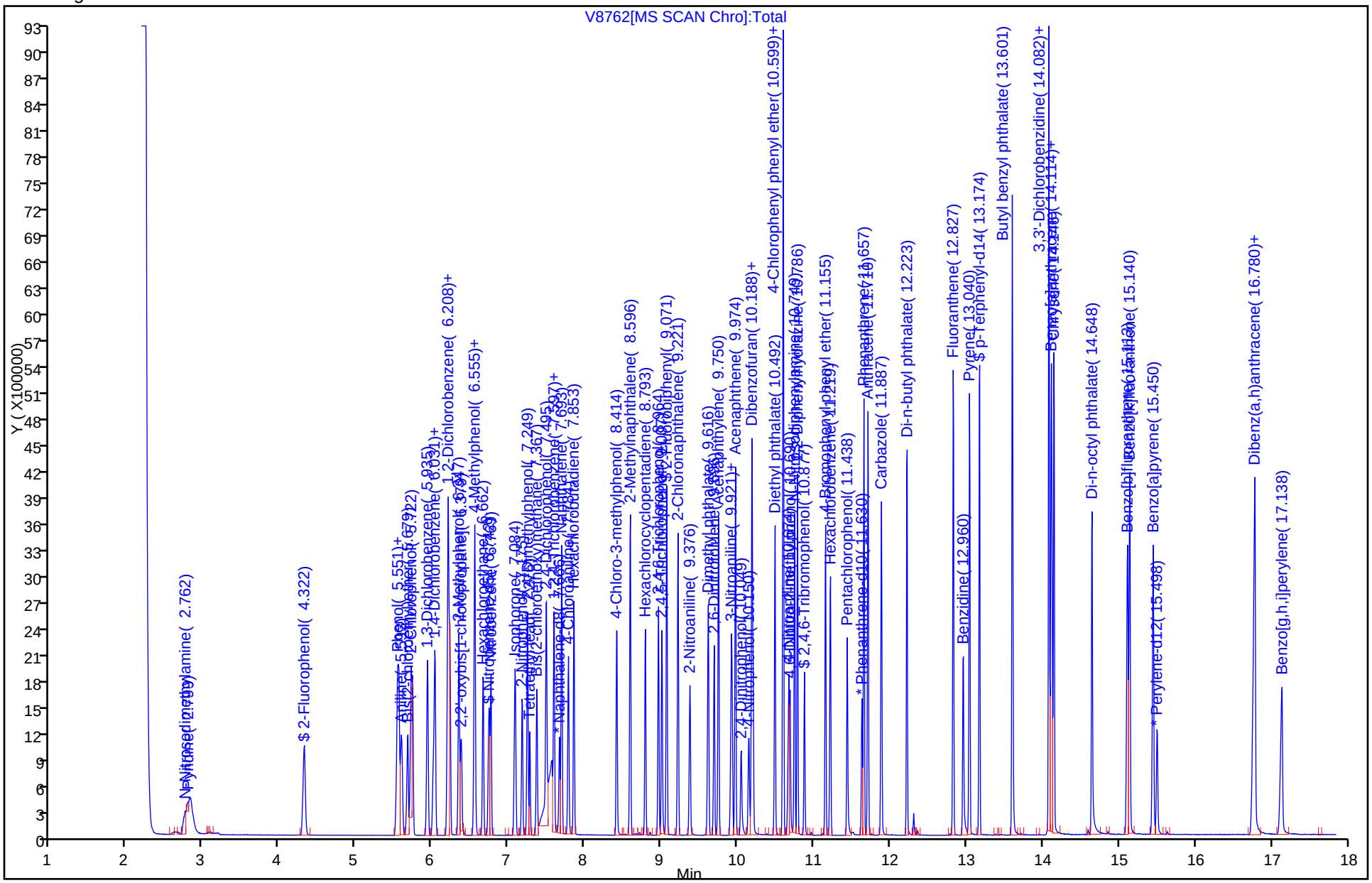
Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ng/uL	Flags
219 Indeno[1,2,3-cd]pyrene	276	16.780	16.748	0.032	82	1867187	119.1	
220 Dibenz(a,h)anthracene	278	16.780	16.759	0.021	60	1716403	114.9	
221 Benzo[g,h,i]perylene	276	17.138	17.111	0.027	91	1347370	103.5	
S 222 Total Cresols	1				0		239.1	
S 78 3-Methylphenol	1				0		121.7	
S 77 3 & 4 Methylphenol	108				0		121.7	

Report Date: 09-Apr-2012 17:26:42 Chrom Revision: 2.0 20-Feb-2012 13:27:02

Data File: \\Bufchrom\ChromData\HP5973V\20120409-10827.b\V8762.D

Injection Date:	09-Apr-2012 15:51:30	Limit Group:	MB - 8270C ICAL
Client ID:		Instrument ID:	HP5973V
Lims Batch ID:	58695	Lims Sample ID:	6
Operator ID:	HL	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\HP5973V\20120409-10827.b\V8763.D		
Lims ID:	IC 160 - 8270	Client ID:	
Inject. Date:	09-Apr-2012 16:15:30	Dil. Factor:	1.0000
Sample Type:	IC	Calib Level:	6
Sample ID:	480-0010827-007		
Misc. Info.:	IC 160 - 8270		
Operator:	HL	Instrument ID:	HP5973V
Vol. Injected:	1.0000	ALS Bottle#:	11
Lims Batch ID:	58695	Lims Sample ID:	7
Sublist:	chrom-V-8270*sub23		
Detector:	MS SCAN		
Method:	\\Bufchrom\ChromData\HP5973V\20120409-10827.b\V-8270.m		
Last Update:	09-Apr-2012 17:26:45	Calib Date:	09-Apr-2012 16:15:30
Quant Method:	Internal Standard	Quant By:	Initial Calibration
Last ICal File:	\\Bufchrom\ChromData\HP5973V\20120409-10827.b\V8763.D		
Limit Group:	MB - 8270C ICAL		
Integrator:	RTE	ID Type:	Deconvolution ID
Process Host:	CORP-CTX-19		

First Level Reviewer: lyh Date: 09-Apr-2012 17:26:45

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ng/uL	Flags
* 1 1,4-Dichlorobenzene-d4	152	6.010	6.010	0.0	94	147004	40.0	
* 2 Naphthalene-d8	136	7.666	7.661	0.005	99	563817	40.0	
* 3 Acenaphthene-d10	164	9.931	9.926	0.005	89	371067	40.0	
* 4 Phenanthrene-d10	188	11.630	11.625	0.005	97	621519	40.0	
* 5 Chrysene-d12	240	14.125	14.119	0.006	90	664212	40.0	
* 6 Perylene-d12	264	15.503	15.498	0.005	95	617839	40.0	
$ 9 2-Fluorophenol	112	4.327	4.316	0.011	92	816405	161.5	
$ 10 Phenol-d5	99	5.545	5.529	0.016	90	1084446	161.6	
$ 11 Nitrobenzene-d5	82	6.747	6.737	0.011	88	967450	161.7	
$ 12 2-Fluorobiphenyl	172	9.077	9.066	0.010	100	1764894	151.3	
$ 13 2,4,6-Tribromophenol	330	10.882	10.871	0.011	91	223492	178.9	
$ 14 p-Terphenyl-d14	244	13.174	13.169	0.005	99	2217242	153.8	
81 N-Nitrosodimethylamine	42	2.767	2.751	0.016	81	447768	160.5	
82 Pyridine	52	2.831	2.821	0.010	91	434361	160.4	
89 Phenol	94	5.567	5.545	0.022	96	1122935	164.1	
90 Aniline	93	5.599	5.583	0.016	95	1336273	158.1	
91 Bis(2-chloroethyl)ether	93	5.684	5.668	0.016	100	822456	154.0	
93 2-Chlorophenol	128	5.743	5.732	0.011	93	783210	162.4	
94 1,3-Dichlorobenzene	146	5.941	5.935	0.006	95	880000	156.2	
95 1,4-Dichlorobenzene	146	6.037	6.031	0.006	90	910643	157.7	
96 Benzyl alcohol	108	6.208	6.197	0.011	86	589614	175.8	
97 1,2-Dichlorobenzene	146	6.229	6.229	0.0	90	849525	157.3	
98 2-Methylphenol	108	6.352	6.341	0.011	95	733970	158.0	
99 2,2'-oxybis[1-chloropropane]	45	6.379	6.368	0.011	77	599398	156.6	
101 N-Nitrosodi-n-propylamine	70	6.555	6.539	0.016	80	648368	163.9	
102 4-Methylphenol	108	6.566	6.544	0.022	94	793421	168.3	
106 Hexachloroethane	117	6.662	6.662	0.0	95	340247	159.1	
107 Nitrobenzene	77	6.769	6.758	0.011	85	981510	157.7	
110 Isophorone	82	7.089	7.073	0.016	99	1668882	155.1	
111 2-Nitrophenol	139	7.180	7.175	0.005	97	413045	171.5	

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ng/uL	Flags
112 2,4-Dimethylphenol	107	7.249	7.239	0.010	98	842256	163.0	
113 Tetraethyl lead	237	7.276	7.276	0.0	91	284768	141.1	
115 Bis(2-chloroethoxy)methane	93	7.372	7.362	0.010	97	924056	155.9	
119 Benzoic acid	105	7.602	7.474	0.128	84	1826570	489.8	
117 2,4-Dichlorophenol	162	7.495	7.484	0.011	96	642015	163.1	
120 1,2,4-Trichlorobenzene	180	7.597	7.591	0.006	92	724090	156.8	
121 Naphthalene	128	7.698	7.687	0.011	98	2170351	153.0	
123 4-Chloroaniline	127	7.784	7.778	0.006	85	868520	161.1	
126 Hexachlorobutadiene	225	7.858	7.853	0.005	96	449268	156.5	
131 4-Chloro-3-methylphenol	107	8.419	8.414	0.005	91	715937	159.0	
133 2-Methylnaphthalene	142	8.596	8.590	0.006	89	1523403	156.5	
136 Hexachlorocyclopentadiene	237	8.793	8.788	0.005	92	536133	159.8	
139 2,4,6-Trichlorophenol	196	8.964	8.959	0.005	93	495521	164.5	
140 2,4,5-Trichlorophenol	196	9.012	9.007	0.005	92	521610	157.3	
143 2-Chloronaphthalene	162	9.221	9.215	0.006	98	1447338	153.1	
145 2-Nitroaniline	65	9.381	9.365	0.016	78	483930	156.0	
147 Dimethyl phthalate	163	9.621	9.605	0.016	96	1684714	148.2	
148 2,6-Dinitrotoluene	165	9.702	9.685	0.017	90	388750	155.9	
149 Acenaphthylene	152	9.755	9.744	0.011	93	2357949	150.2	
150 3-Nitroaniline	138	9.926	9.904	0.022	92	415043	154.9	
151 Acenaphthene	153	9.974	9.969	0.005	93	1461265	153.8	
152 2,4-Dinitrophenol	184	10.054	10.038	0.016	82	259784	163.2	
153 4-Nitrophenol	109	10.156	10.140	0.016	91	298347	165.3	
155 Dibenzofuran	168	10.193	10.182	0.011	85	2183268	154.0	
154 2,4-Dinitrotoluene	165	10.209	10.193	0.016	0	531623	161.6	
160 Diethyl phthalate	149	10.498	10.481	0.017	97	1723459	149.0	
161 Fluorene	166	10.599	10.594	0.005	83	1979293	160.9	
162 4-Chlorophenyl phenyl ether	204	10.604	10.599	0.005	94	1024634	162.3	
164 4-Nitroaniline	138	10.685	10.652	0.033	77	425052	164.2	
166 4,6-Dinitro-2-methylphenol	198	10.695	10.674	0.021	82	368236	163.8	
167 N-Nitrosodiphenylamine	169	10.754	10.738	0.016	60	1259288	160.8	
168 1,2-Diphenylhydrazine	77	10.791	10.781	0.010	97	2042304	147.8	
176 4-Bromophenyl phenyl ether	248	11.155	11.149	0.006	65	538736	161.5	
177 Hexachlorobenzene	284	11.219	11.213	0.006	93	525165	159.1	
181 Pentachlorophenol	266	11.443	11.432	0.011	89	329059	168.1	
185 Phenanthrene	178	11.662	11.651	0.011	97	2604686	155.5	
188 Anthracene	178	11.716	11.705	0.011	97	2655972	156.8	
189 Carbazole	167	11.892	11.881	0.011	82	2277171	160.8	
192 Di-n-butyl phthalate	149	12.223	12.218	0.005	100	2847810	168.0	
197 Fluoranthene	202	12.832	12.821	0.011	97	2903231	158.7	
198 Benzidine	184	12.960	12.955	0.005	99	1272798	160.9	
199 Pyrene	202	13.046	13.035	0.011	98	2910803	149.2	
205 Butyl benzyl phthalate	149	13.601	13.596	0.005	96	1347565	157.7	
203 3,3'-Dimethylbenzidine	212		13.601					
210 Bis(2-ethylhexyl) phthalate	149	14.082	14.077	0.005	96	1900802	162.6	
208 3,3'-Dichlorobenzidine	252	14.088	14.077	0.011	69	1165640	164.1	
209 Benzo[a]anthracene	228	14.114	14.109	0.005	97	2819558	152.4	
211 Chrysene	228	14.152	14.141	0.011	93	2755582	146.1	
212 Di-n-octyl phthalate	149	14.648	14.643	0.005	100	2831897	161.2	
213 Benzo[b]fluoranthene	252	15.119	15.102	0.017	92	3156735	179.0	
214 Benzo[k]fluoranthene	252	15.145	15.129	0.016	99	2812485	139.1	
217 Benzo[a]pyrene	252	15.455	15.439	0.016	70	2554260	165.8	

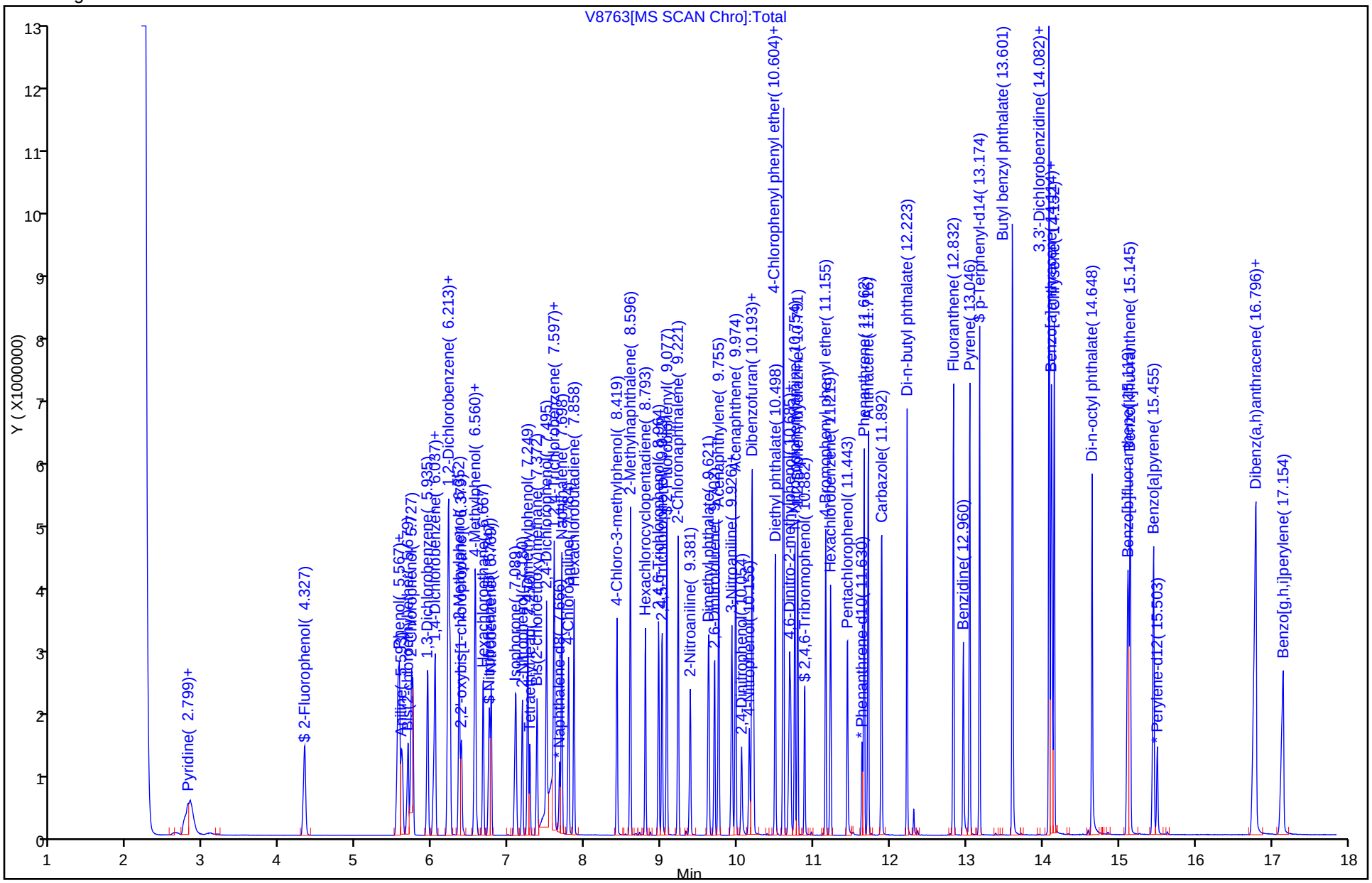
Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ng/uL	Flags
219 Indeno[1,2,3-cd]pyrene	276	16.796	16.748	0.048	94	2919131	176.6	
220 Dibenz(a,h)anthracene	278	16.791	16.759	0.032	56	2620146	164.9	
221 Benzo[g,h,i]perylene	276	17.154	17.111	0.043	93	2336978	170.2	
S 222 Total Cresols	1				0		326.3	
S 78 3-Methylphenol	1				0		168.3	
S 77 3 & 4 Methylphenol	108				0		168.3	

Report Date: 09-Apr-2012 17:26:45 Chrom Revision: 2.0 20-Feb-2012 13:27:02

Data File: \\Bufchrom\ChromData\HP5973V\20120409-10827.b\V8763.D

Injection Date:	09-Apr-2012 16:15:30	Limit Group:	MB - 8270C ICAL
Client ID:		Instrument ID:	HP5973V
Lims Batch ID:	58695	Lims Sample ID:	7
Operator ID:	HL	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.: 480-18292-1

SDG No.:

Lab Sample ID: CCVIS 480-59155/2 Calibration Date: 04/11/2012 20:41

Instrument ID: HP5973V Calib Start Date: 07/13/2011 13:15

GC Column: RXI-5Sil MS ID: 0.25(mm) Calib End Date: 07/13/2011 15:13

Lab File ID: V8860.D Conc. Units: ug/L

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
3,3'-Dimethylbenzidine	Ave	0.6829	0.4327	0.0100		50000	-36.6	100.0

TestAmerica Laboratories
Target Compound Quantitation Report

Data File: \\Bufchrom\ChromData\HP5973V\20120411-10911.b\V8860.D
Lims ID: CCVIS 8270 Client ID:
Inject. Date: 11-Apr-2012 20:41:30 Dil. Factor: 1.0000
Sample Type: CCVIS
Sample ID: 480-0010911-002
Misc. Info.: CCVIS 8270
Operator: HL Instrument ID: HP5973V
Vol. Injected: 1.0000 ALS Bottle#: 25
Lims Batch ID: 59155 Lims Sample ID: 2
Sublist: chrom-V-8270*sub23
Detector: MS SCAN

Method: \\Bufchrom\ChromData\HP5973V\20120411-10911.b\V-8270.m
Last Update: 12-Apr-2012 10:07:32 Calib Date: 09-Apr-2012 16:15:30
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\Bufchrom\ChromData\HP5973V\20120409-10827.b\V8763.D
Limit Group: MB - 8270C ICAL
Integrator: RTE ID Type: Deconvolution ID
Process Host: CORP-CTX-19

First Level Reviewer: lyh Date: 12-Apr-2012 10:07:32

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ng/uL	Flags
* 1 1,4-Dichlorobenzene-d4	152	6.010	6.010	0.0	95	113993	40.0	
* 2 Naphthalene-d8	136	7.666	7.666	0.0	99	411971	40.0	
* 3 Acenaphthene-d10	164	9.926	9.926	0.0	90	265336	40.0	
* 4 Phenanthrene-d10	188	11.630	11.630	0.0	97	490116	40.0	
* 5 Chrysene-d12	240	14.120	14.120	0.0	96	494728	40.0	
* 6 Perylene-d12	264	15.498	15.498	0.0	98	470649	40.0	
$ 9 2-Fluorophenol	112	4.317	4.317	0.0	89	193607	49.4	
$ 10 Phenol-d5	99	5.535	5.535	0.0	95	255328	49.1	
$ 11 Nitrobenzene-d5	82	6.737	6.737	0.0	88	232142	53.1	
$ 12 2-Fluorobiphenyl	172	9.066	9.066	0.0	99	431009	51.7	
$ 13 2,4,6-Tribromophenol	330	10.877	10.877	0.0	89	56543	57.4	
$ 14 p-Terphenyl-d14	244	13.169	13.169	0.0	99	545075	50.7	
81 N-Nitrosodimethylamine	42	2.751	2.751	0.0	80	116308	53.8	
82 Pyridine	52	2.826	2.826	0.0	92	106398	50.7	M
89 Phenol	94	5.551	5.551	0.0	96	258302	48.7	
90 Aniline	93	5.588	5.588	0.0	88	290039	44.3	
91 Bis(2-chloroethyl)ether	93	5.668	5.668	0.0	99	193572	46.7	
93 2-Chlorophenol	128	5.732	5.732	0.0	90	186338	49.8	
94 1,3-Dichlorobenzene	146	5.930	5.930	0.0	95	220644	50.5	
95 1,4-Dichlorobenzene	146	6.032	6.032	0.0	83	225770	50.4	
96 Benzyl alcohol	108	6.197	6.197	0.0	84	133860	51.5	
97 1,2-Dichlorobenzene	146	6.224	6.224	0.0	85	208085	49.7	
98 2-Methylphenol	108	6.341	6.341	0.0	94	176845	49.1	
99 2,2'-oxybis[1-chloropropane]	45	6.368	6.368	0.0	70	138013	46.5	
101 N-Nitrosodi-n-propylamine	70	6.544	6.544	0.0	81	156044	50.9	
102 4-Methylphenol	108	6.550	6.550	0.0	94	189801	51.9	
106 Hexachloroethane	117	6.662	6.662	0.0	88	86487	52.2	
107 Nitrobenzene	77	6.758	6.758	0.0	86	238685	52.5	
110 Isophorone	82	7.073	7.073	0.0	97	411726	52.4	
111 2-Nitrophenol	139	7.175	7.175	0.0	96	102984	58.5	

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ng/uL	Flags
112 2,4-Dimethylphenol	107	7.244	7.244	0.0	98	202461	53.6	
113 Tetraethyl lead	237	7.276	7.276	0.0	91	66906	45.4	
115 Bis(2-chloroethoxy)methane	93	7.362	7.362	0.0	98	221926	51.2	
119 Benzoic acid	105	7.479	7.479	0.0	85	386249	169.6	
117 2,4-Dichlorophenol	162	7.490	7.490	0.0	95	155866	54.2	
120 1,2,4-Trichlorobenzene	180	7.591	7.591	0.0	91	179966	53.4	
121 Naphthalene	128	7.693	7.693	0.0	96	521376	50.3	
123 4-Chloroaniline	127	7.778	7.778	0.0	83	204715	52.0	
126 Hexachlorobutadiene	225	7.853	7.853	0.0	95	115061	54.9	
131 4-Chloro-3-methylphenol	107	8.414	8.414	0.0	88	168285	52.2	
133 2-Methylnaphthalene	142	8.590	8.590	0.0	91	366581	51.5	
136 Hexachlorocyclopentadiene	237	8.788	8.788	0.0	98	123783	53.1	
139 2,4,6-Trichlorophenol	196	8.959	8.959	0.0	91	123744	57.5	
140 2,4,5-Trichlorophenol	196	9.012	9.012	0.0	88	126249	54.5	
143 2-Chloronaphthalene	162	9.215	9.215	0.0	98	358505	53.0	
145 2-Nitroaniline	65	9.370	9.370	0.0	77	120341	55.9	
147 Dimethyl phthalate	163	9.605	9.605	0.0	97	432170	53.2	
148 2,6-Dinitrotoluene	165	9.686	9.686	0.0	90	98687	56.6	
149 Acenaphthylene	152	9.750	9.750	0.0	91	572773	51.0	
150 3-Nitroaniline	138	9.910	9.910	0.0	90	100522	54.3	
151 Acenaphthene	153	9.969	9.969	0.0	94	351630	51.8	
152 2,4-Dinitrophenol	184	10.044	10.044	0.0	72	47459	48.2	
153 4-Nitrophenol	109	10.150	10.150	0.0	89	49005	46.3	
155 Dibenzofuran	168	10.182	10.182	0.0	86	532110	52.5	
154 2,4-Dinitrotoluene	165	10.193	10.193	0.0	78	139615	59.4	
160 Diethyl phthalate	149	10.482	10.482	0.0	97	449559	54.3	
161 Fluorene	166	10.594	10.594	0.0	82	448511	51.0	
162 4-Chlorophenyl phenyl ether	204	10.599	10.599	0.0	94	238685	52.9	
164 4-Nitroaniline	138	10.653	10.653	0.0	75	97782	55.3	
166 4,6-Dinitro-2-methylphenol	198	10.679	10.679	0.0	74	82499	50.6	
167 N-Nitrosodiphenylamine	169	10.743	10.743	0.0	59	313313	50.7	
168 1,2-Diphenylhydrazine	77	10.781	10.781	0.0	98	497975	50.4	
176 4-Bromophenyl phenyl ether	248	11.149	11.149	0.0	64	136292	51.8	
177 Hexachlorobenzene	284	11.213	11.213	0.0	91	134360	51.6	
181 Pentachlorophenol	266	11.433	11.433	0.0	82	73690	52.7	
185 Phenanthrene	178	11.652	11.652	0.0	96	668276	50.6	
188 Anthracene	178	11.705	11.705	0.0	97	672634	50.4	
189 Carbazole	167	11.881	11.881	0.0	83	560008	50.2	
192 Di-n-butyl phthalate	149	12.218	12.218	0.0	100	710860	53.2	
197 Fluoranthene	202	12.827	12.827	0.0	96	736708	51.1	
198 Benzidine	184	12.955	12.955	0.0	96	227457	41.0	
199 Pyrene	202	13.041	13.041	0.0	99	730085	50.2	
205 Butyl benzyl phthalate	149	13.596	13.596	0.0	97	334185	54.0	
203 3,3'-Dimethylbenzidine	212	13.601	13.601	0.0	94	265062	0	
210 Bis(2-ethylhexyl) phthalate	149	14.077	14.077	0.0	97	453258	53.5	
208 3,3'-Dichlorobenzidine	252	14.082	14.082	0.0	60	267823	52.5	
209 Benzo[a]anthracene	228	14.109	14.109	0.0	95	704663	51.1	
211 Chrysene	228	14.146	14.146	0.0	92	693789	49.4	
212 Di-n-octyl phthalate	149	14.643	14.643	0.0	100	730818	57.2	
213 Benzo[b]fluoranthene	252	15.103	15.103	0.0	90	708052	52.7	
214 Benzo[k]fluoranthene	252	15.135	15.135	0.0	96	742820	48.2	
217 Benzo[a]pyrene	252	15.439	15.439	0.0	70	627446	53.5	

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ng/uL	Flags
219 Indeno[1,2,3-cd]pyrene	276	16.759	16.759	0.0	92	713899	56.7	
220 Dibenz(a,h)anthracene	278	16.764	16.764	0.0	56	629533	54.1	
221 Benzo[g,h,i]perylene	276	17.122	17.122	0.0	91	596859	57.1	
S 222 Total Cresols	1				0		101.0	
S 77 3 & 4 Methylphenol	108				0		51.9	
S 78 3-Methylphenol	1				0		51.9	

QC Flag Legend

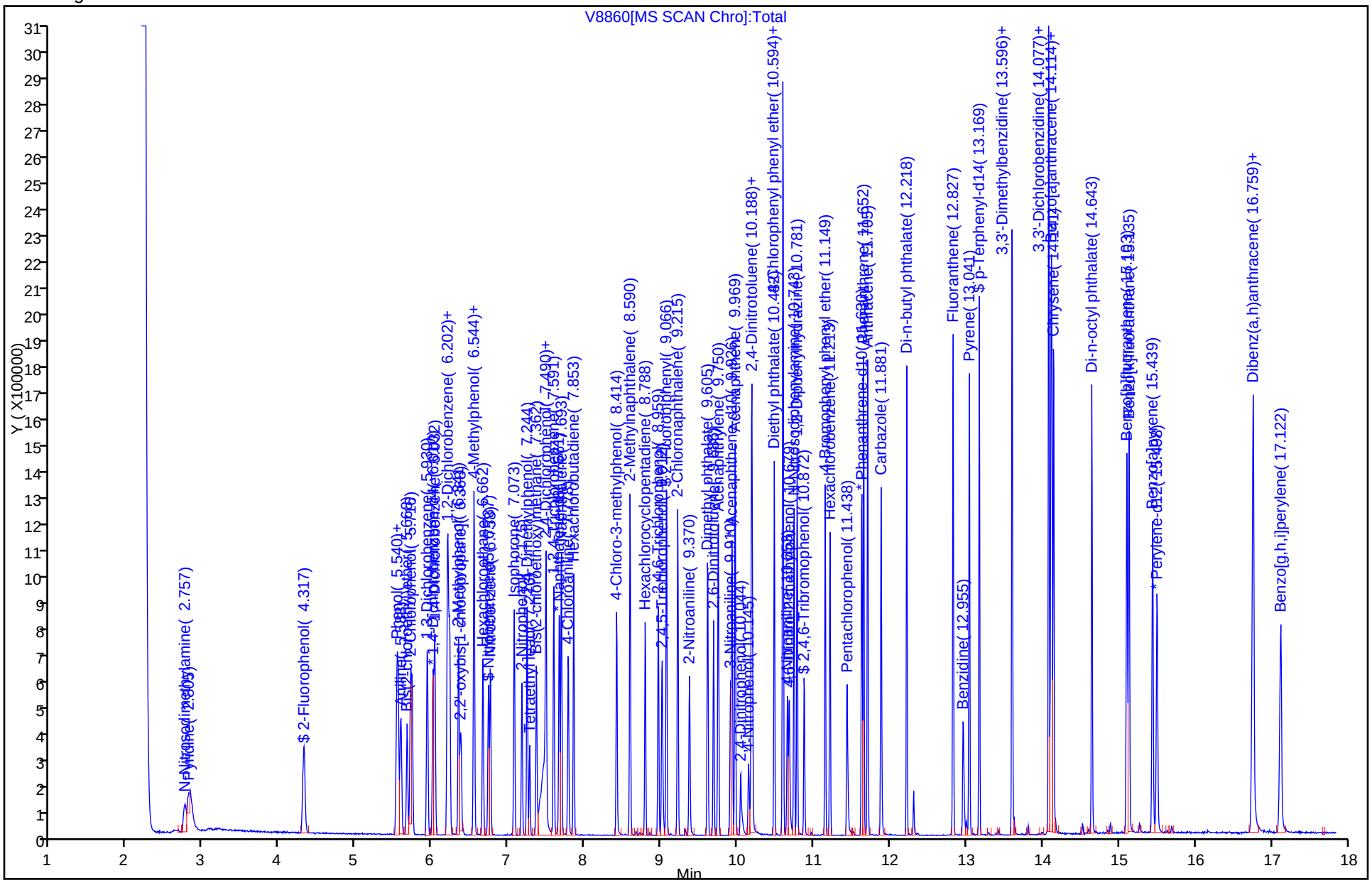
Review Flags
M - Manually Integrated

Report Date: 12-Apr-2012 10:07:32 Chrom Revision: 2.0 20-Feb-2012 13:27:02

Data File: \\Bufchrom\ChromData\HP5973V\20120411-10911.b\V8860.D

Injection Date:	11-Apr-2012 20:41:30	Limit Group:	MB - 8270C ICAL
Client ID:		Instrument ID:	HP5973V
Lims Batch ID:	59155	Lims Sample ID:	2
Operator ID:	HL	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.: 480-18292-1

SDG No.:

Lab Sample ID: CCVIS 480-59155/2 Calibration Date: 04/11/2012 20:41

Instrument ID: HP5973V Calib Start Date: 04/09/2012 14:10

GC Column: RXI-5Sil MS ID: 0.25(mm) Calib End Date: 04/09/2012 16:15

Lab File ID: V8860.D Conc. Units: ug/L

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
N-Nitrosodimethylamine	Ave	0.7590	0.8163	0.0100	53800	50000	7.5	25.0
Pyridine	Ave	0.7368	0.7467	0.0100	50700	50000	1.3	100.0
Phenol	Ave	1.862	1.813	0.0100	48700	50000	-2.6	20.0
Aniline	Ave	2.299	2.035	0.0100	44300	50000	-11.5	100.0
Bis(2-chloroethyl)ether	Ave	1.453	1.358	0.0100	46700	50000	-6.5	25.0
2-Chlorophenol	Ave	1.312	1.308	0.0100	49800	50000	-0.3	25.0
1,3-Dichlorobenzene	Ave	1.533	1.548	0.0100	50500	50000	1.0	25.0
1,4-Dichlorobenzene	Ave	1.571	1.584	0.0100	50400	50000	0.8	20.0
Benzyl alcohol	Ave	0.9128	0.9394	0.0100	51500	50000	2.9	100.0
1,2-Dichlorobenzene	Ave	1.469	1.460	0.0100	49700	50000	-0.6	25.0
2-Methylphenol	Ave	1.264	1.241	0.0100	49100	50000	-1.8	25.0
bis (2-chloroisopropyl) ether	Ave	1.042	0.9686	0.0100	46500	50000	-7.0	25.0
N-Nitrosodi-n-propylamine	Ave	1.076	1.095	0.0500	50900	50000	1.8	25.0
4-Methylphenol	Ave	1.283	1.332	0.0100	51900	50000	3.8	25.0
Hexachloroethane	Ave	0.5819	0.6070	0.0100	52200	50000	4.3	25.0
Nitrobenzene	Ave	0.4414	0.4635	0.0100	52500	50000	5.0	25.0
Isophorone	Ave	0.7632	0.7995	0.0100	52400	50000	4.8	25.0
2-Nitrophenol	Ave	0.1709	0.2000	0.0100	58500	50000	17.0	20.0
2,4-Dimethylphenol	Ave	0.3666	0.3932	0.0100	53600	50000	7.2	25.0
Tetraethyl lead	Ave	0.1432	0.1299	0.0100	45400	50000	-9.3	40.0
Bis(2-chloroethoxy)methane	Ave	0.4206	0.4310	0.0100	51200	50000	2.5	25.0
Benzoic acid	Lin1		0.2500	0.0100	170000	150000	13.1	25.0
2,4-Dichlorophenol	Ave	0.2792	0.3027	0.0100	54200	50000	8.4	20.0
1,2,4-Trichlorobenzene	Ave	0.3275	0.3495	0.0100	53400	50000	6.7	25.0
Naphthalene	Ave	1.006	1.012	0.0100	50300	50000	0.6	25.0
4-Chloroaniline	Ave	0.3825	0.3975	0.0100	52000	50000	3.9	25.0
Hexachlorobutadiene	Ave	0.2037	0.2234	0.0100	54900	50000	9.7	20.0
4-Chloro-3-methylphenol	Lin1		0.3268	0.0100	52200	50000	4.4	20.0
2-Methylnaphthalene	Ave	0.6906	0.7119	0.0100	51500	50000	3.1	25.0
Hexachlorocyclopentadiene	Lin1		0.3732	0.0500	53100	50000	6.2	25.0
2,4,6-Trichlorophenol	Ave	0.3247	0.3731	0.0100	57500	50000	14.9	20.0
2,4,5-Trichlorophenol	Lin1		0.3807	0.0100	54500	50000	9.0	25.0
2-Chloronaphthalene	Ave	1.019	1.081	0.0100	53000	50000	6.1	25.0
2-Nitroaniline	Lin1		0.3628	0.0100	55900	50000	11.8	25.0
Dimethyl phthalate	Ave	1.226	1.303	0.0100	53200	50000	6.3	25.0
2,6-Dinitrotoluene	Lin1		0.2976	0.0100	56600	50000	13.2	25.0
Acenaphthylene	Ave	1.693	1.727	0.0100	51000	50000	2.0	25.0
3-Nitroaniline	Lin1		0.3031	0.0100	54300	50000	8.6	25.0
Acenaphthene	Ave	1.024	1.060	0.0100	51800	50000	3.5	20.0
2,4-Dinitrophenol	Lin1		0.1431	0.0500	48200	50000	-3.6	25.0

FORM VII
GC/MS SEMI VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Buffalo Job No.: 480-18292-1

SDG No.:

Lab Sample ID: CCVIS 480-59155/2 Calibration Date: 04/11/2012 20:41

Instrument ID: HP5973V Calib Start Date: 04/09/2012 14:10

GC Column: RXI-5Sil MS ID: 0.25(mm) Calib End Date: 04/09/2012 16:15

Lab File ID: V8860.D Conc. Units: ug/L

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
4-Nitrophenol	Lin1		0.1478	0.0500	46300	50000	-7.4	25.0
Dibenzofuran	Ave	1.529	1.604	0.0100	52500	50000	5.0	25.0
2,4-Dinitrotoluene	Ave	0.3546	0.4210	0.0100	59400	50000	18.7	25.0
Diethyl phthalate	Ave	1.247	1.355	0.0100	54300	50000	8.7	25.0
Fluorene	Ave	1.326	1.352	0.0100	51000	50000	2.0	25.0
4-Chlorophenyl phenyl ether	Ave	0.6807	0.7197	0.0100	52900	50000	5.7	25.0
4-Nitroaniline	Lin1		0.2948	0.0100	55300	50000	10.6	25.0
4,6-Dinitro-2-methylphenol	Lin1		0.1347	0.0100	50600	50000	1.2	25.0
N-Nitrosodiphenylamine	Ave	0.5039	0.5114	0.0100	50700	50000	1.5	20.0
1,2-Diphenylhydrazine	Ave	1.490	1.501	0.0100	50400	50000	0.8	25.0
4-Bromophenyl phenyl ether	Ave	0.2146	0.2225	0.0100	51800	50000	3.7	25.0
Hexachlorobenzene	Ave	0.2124	0.2193	0.0100	51600	50000	3.3	25.0
Pentachlorophenol	Lin1		0.1203	0.0100	52700	50000	5.4	20.0
Phenanthrene	Ave	1.078	1.091	0.0100	50600	50000	1.2	25.0
Anthracene	Ave	1.090	1.098	0.0100	50400	50000	0.7	25.0
Carbazole	Ave	0.9112	0.9141	0.0100	50200	50000	0.3	25.0
Di-n-butyl phthalate	Ave	1.091	1.160	0.0100	53200	50000	6.4	25.0
Fluoranthene	Ave	1.177	1.203	0.0100	51100	50000	2.1	20.0
Benzidine	Lin1		0.3678	0.0100	41000	50000	-18.0	25.0
Pyrene	Ave	1.175	1.181	0.0100	50200	50000	0.5	25.0
Butyl benzyl phthalate	Lin1		0.5404	0.0100	54000	50000	8.0	25.0
Bis(2-ethylhexyl) phthalate	Lin1		0.7329	0.0100	53500	50000	7.0	25.0
3,3'-Dichlorobenzidine	Lin1		0.4331	0.0100	52500	50000	5.0	25.0
Benzo(a)anthracene	Ave	1.114	1.139	0.0100	51100	50000	2.3	25.0
Chrysene	Ave	1.136	1.122	0.0100	49400	50000	-1.2	25.0
Di-n-octyl phthalate	Lin1		1.182	0.0100	57200	50000	14.4	20.0
Benzo(b)fluoranthene	Ave	1.141	1.204	0.0100	52700	50000	5.4	25.0
Benzo(k)fluoranthene	Ave	1.309	1.263	0.0100	48200	50000	-3.6	25.0
Benzo(a)pyrene	Ave	0.997	1.067	0.0100	53500	50000	6.9	20.0
Indeno(1,2,3-cd)pyrene	Ave	1.070	1.213	0.0100	56700	50000	13.4	25.0
Dibenz(a,h)anthracene	Lin1		1.070	0.0100	54100	50000	8.2	25.0
Benzo(g,h,i)perylene	Ave	0.8889	1.015	0.0100	57100	50000	14.1	25.0
2-Fluorophenol	Ave	1.375	1.359	0.0100	49400	50000	-1.2	25.0
Phenol-d5	Ave	1.826	1.792	0.0100	49100	50000	-1.8	25.0
Nitrobenzene-d5	Ave	0.4246	0.4508	0.0100	53100	50000	6.2	25.0
2-Fluorobiphenyl	Ave	1.258	1.300	0.0100	51700	50000	3.3	25.0
2,4,6-Tribromophenol	Ave	0.0804	0.0923	0.0100	57400	50000	14.8	25.0
p-Terphenyl-d14	Ave	0.8684	0.8814	0.0100	50700	50000	1.5	25.0

TestAmerica Laboratories
Target Compound Quantitation Report

Data File:	\\Bufchrom\ChromData\HP5973V\20120411-10911.b\V8860.D		
Lims ID:	CCVIS 8270	Client ID:	
Inject. Date:	11-Apr-2012 20:41:30	Dil. Factor:	1.0000
Sample Type:	CCVIS		
Sample ID:	480-0010911-002		
Misc. Info.:	CCVIS 8270		
Operator:	HL	Instrument ID:	HP5973V
Vol. Injected:	1.0000	ALS Bottle#:	25
Lims Batch ID:	59155	Lims Sample ID:	2
Sublist:	chrom-V-8270*sub23		
Detector:	MS SCAN		
Method:	\\Bufchrom\ChromData\HP5973V\20120411-10911.b\V-8270.m		
Last Update:	12-Apr-2012 10:07:32	Calib Date:	09-Apr-2012 16:15:30
Quant Method:	Internal Standard	Quant By:	Initial Calibration
Last ICal File:	\\Bufchrom\ChromData\HP5973V\20120409-10827.b\V8763.D		
Limit Group:	MB - 8270C ICAL		
Integrator:	RTE	ID Type:	Deconvolution ID
Process Host:	CORP-CTX-19		

First Level Reviewer: lyh Date: 12-Apr-2012 10:07:32

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ng/uL	Flags
* 1 1,4-Dichlorobenzene-d4	152	6.010	6.010	0.0	95	113993	40.0	
* 2 Naphthalene-d8	136	7.666	7.666	0.0	99	411971	40.0	
* 3 Acenaphthene-d10	164	9.926	9.926	0.0	90	265336	40.0	
* 4 Phenanthrene-d10	188	11.630	11.630	0.0	97	490116	40.0	
* 5 Chrysene-d12	240	14.120	14.120	0.0	96	494728	40.0	
* 6 Perylene-d12	264	15.498	15.498	0.0	98	470649	40.0	
$ 9 2-Fluorophenol	112	4.317	4.317	0.0	89	193607	49.4	
$ 10 Phenol-d5	99	5.535	5.535	0.0	95	255328	49.1	
$ 11 Nitrobenzene-d5	82	6.737	6.737	0.0	88	232142	53.1	
$ 12 2-Fluorobiphenyl	172	9.066	9.066	0.0	99	431009	51.7	
$ 13 2,4,6-Tribromophenol	330	10.877	10.877	0.0	89	56543	57.4	
$ 14 p-Terphenyl-d14	244	13.169	13.169	0.0	99	545075	50.7	
81 N-Nitrosodimethylamine	42	2.751	2.751	0.0	80	116308	53.8	
82 Pyridine	52	2.826	2.826	0.0	92	106398	50.7	M
89 Phenol	94	5.551	5.551	0.0	96	258302	48.7	
90 Aniline	93	5.588	5.588	0.0	88	290039	44.3	
91 Bis(2-chloroethyl)ether	93	5.668	5.668	0.0	99	193572	46.7	
93 2-Chlorophenol	128	5.732	5.732	0.0	90	186338	49.8	
94 1,3-Dichlorobenzene	146	5.930	5.930	0.0	95	220644	50.5	
95 1,4-Dichlorobenzene	146	6.032	6.032	0.0	83	225770	50.4	
96 Benzyl alcohol	108	6.197	6.197	0.0	84	133860	51.5	
97 1,2-Dichlorobenzene	146	6.224	6.224	0.0	85	208085	49.7	
98 2-Methylphenol	108	6.341	6.341	0.0	94	176845	49.1	
99 2,2'-oxybis[1-chloropropane]	45	6.368	6.368	0.0	70	138013	46.5	
101 N-Nitrosodi-n-propylamine	70	6.544	6.544	0.0	81	156044	50.9	
102 4-Methylphenol	108	6.550	6.550	0.0	94	189801	51.9	
106 Hexachloroethane	117	6.662	6.662	0.0	88	86487	52.2	
107 Nitrobenzene	77	6.758	6.758	0.0	86	238685	52.5	
110 Isophorone	82	7.073	7.073	0.0	97	411726	52.4	
111 2-Nitrophenol	139	7.175	7.175	0.0	96	102984	58.5	

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ng/uL	Flags
112 2,4-Dimethylphenol	107	7.244	7.244	0.0	98	202461	53.6	
113 Tetraethyl lead	237	7.276	7.276	0.0	91	66906	45.4	
115 Bis(2-chloroethoxy)methane	93	7.362	7.362	0.0	98	221926	51.2	
119 Benzoic acid	105	7.479	7.479	0.0	85	386249	169.6	
117 2,4-Dichlorophenol	162	7.490	7.490	0.0	95	155866	54.2	
120 1,2,4-Trichlorobenzene	180	7.591	7.591	0.0	91	179966	53.4	
121 Naphthalene	128	7.693	7.693	0.0	96	521376	50.3	
123 4-Chloroaniline	127	7.778	7.778	0.0	83	204715	52.0	
126 Hexachlorobutadiene	225	7.853	7.853	0.0	95	115061	54.9	
131 4-Chloro-3-methylphenol	107	8.414	8.414	0.0	88	168285	52.2	
133 2-Methylnaphthalene	142	8.590	8.590	0.0	91	366581	51.5	
136 Hexachlorocyclopentadiene	237	8.788	8.788	0.0	98	123783	53.1	
139 2,4,6-Trichlorophenol	196	8.959	8.959	0.0	91	123744	57.5	
140 2,4,5-Trichlorophenol	196	9.012	9.012	0.0	88	126249	54.5	
143 2-Chloronaphthalene	162	9.215	9.215	0.0	98	358505	53.0	
145 2-Nitroaniline	65	9.370	9.370	0.0	77	120341	55.9	
147 Dimethyl phthalate	163	9.605	9.605	0.0	97	432170	53.2	
148 2,6-Dinitrotoluene	165	9.686	9.686	0.0	90	98687	56.6	
149 Acenaphthylene	152	9.750	9.750	0.0	91	572773	51.0	
150 3-Nitroaniline	138	9.910	9.910	0.0	90	100522	54.3	
151 Acenaphthene	153	9.969	9.969	0.0	94	351630	51.8	
152 2,4-Dinitrophenol	184	10.044	10.044	0.0	72	47459	48.2	
153 4-Nitrophenol	109	10.150	10.150	0.0	89	49005	46.3	
155 Dibenzofuran	168	10.182	10.182	0.0	86	532110	52.5	
154 2,4-Dinitrotoluene	165	10.193	10.193	0.0	78	139615	59.4	
160 Diethyl phthalate	149	10.482	10.482	0.0	97	449559	54.3	
161 Fluorene	166	10.594	10.594	0.0	82	448511	51.0	
162 4-Chlorophenyl phenyl ether	204	10.599	10.599	0.0	94	238685	52.9	
164 4-Nitroaniline	138	10.653	10.653	0.0	75	97782	55.3	
166 4,6-Dinitro-2-methylphenol	198	10.679	10.679	0.0	74	82499	50.6	
167 N-Nitrosodiphenylamine	169	10.743	10.743	0.0	59	313313	50.7	
168 1,2-Diphenylhydrazine	77	10.781	10.781	0.0	98	497975	50.4	
176 4-Bromophenyl phenyl ether	248	11.149	11.149	0.0	64	136292	51.8	
177 Hexachlorobenzene	284	11.213	11.213	0.0	91	134360	51.6	
181 Pentachlorophenol	266	11.433	11.433	0.0	82	73690	52.7	
185 Phenanthrene	178	11.652	11.652	0.0	96	668276	50.6	
188 Anthracene	178	11.705	11.705	0.0	97	672634	50.4	
189 Carbazole	167	11.881	11.881	0.0	83	560008	50.2	
192 Di-n-butyl phthalate	149	12.218	12.218	0.0	100	710860	53.2	
197 Fluoranthene	202	12.827	12.827	0.0	96	736708	51.1	
198 Benzidine	184	12.955	12.955	0.0	96	227457	41.0	
199 Pyrene	202	13.041	13.041	0.0	99	730085	50.2	
205 Butyl benzyl phthalate	149	13.596	13.596	0.0	97	334185	54.0	
203 3,3'-Dimethylbenzidine	212	13.601	13.601	0.0	94	265062	0	
210 Bis(2-ethylhexyl) phthalate	149	14.077	14.077	0.0	97	453258	53.5	
208 3,3'-Dichlorobenzidine	252	14.082	14.082	0.0	60	267823	52.5	
209 Benzo[a]anthracene	228	14.109	14.109	0.0	95	704663	51.1	
211 Chrysene	228	14.146	14.146	0.0	92	693789	49.4	
212 Di-n-octyl phthalate	149	14.643	14.643	0.0	100	730818	57.2	
213 Benzo[b]fluoranthene	252	15.103	15.103	0.0	90	708052	52.7	
214 Benzo[k]fluoranthene	252	15.135	15.135	0.0	96	742820	48.2	
217 Benzo[a]pyrene	252	15.439	15.439	0.0	70	627446	53.5	

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ng/uL	Flags
219 Indeno[1,2,3-cd]pyrene	276	16.759	16.759	0.0	92	713899	56.7	
220 Dibenz(a,h)anthracene	278	16.764	16.764	0.0	56	629533	54.1	
221 Benzo[g,h,i]perylene	276	17.122	17.122	0.0	91	596859	57.1	
S 222 Total Cresols	1				0		101.0	
S 77 3 & 4 Methylphenol	108				0		51.9	
S 78 3-Methylphenol	1				0		51.9	

QC Flag Legend

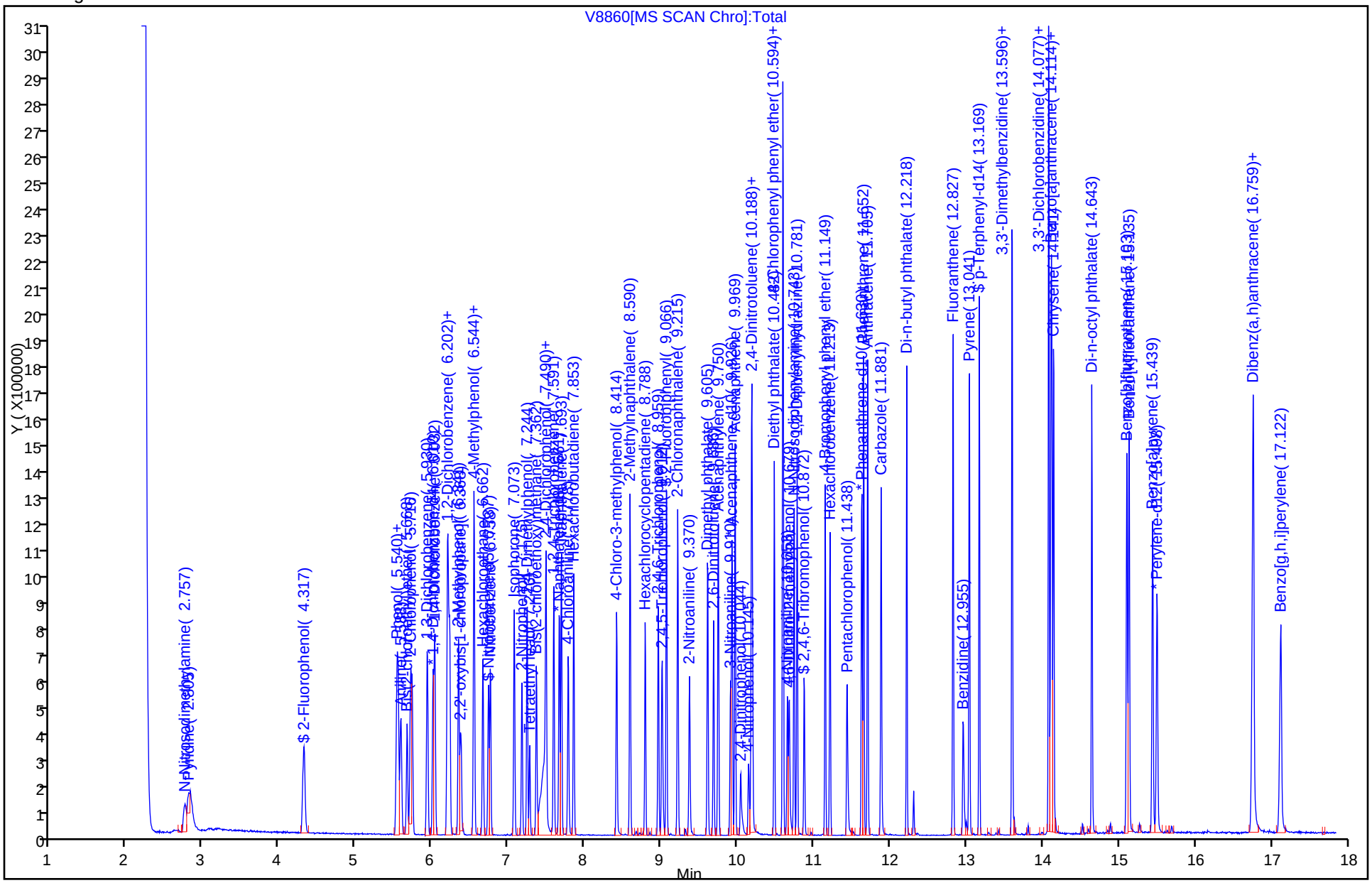
Review Flags
M - Manually Integrated

Report Date: 12-Apr-2012 10:07:32 Chrom Revision: 2.0 20-Feb-2012 13:27:02

Data File: \\Bufchrom\ChromData\HP5973V\20120411-10911.b\V8860.D

Injection Date:	11-Apr-2012 20:41:30	Limit Group:	MB - 8270C ICAL
Client ID:		Instrument ID:	HP5973V
Lims Batch ID:	59155	Lims Sample ID:	2
Operator ID:	HL	Injection Vol:	1.00 ul
Column Type:	RXI-5Sil MS	Column Dia:	0.25 mm

Y Scaling:



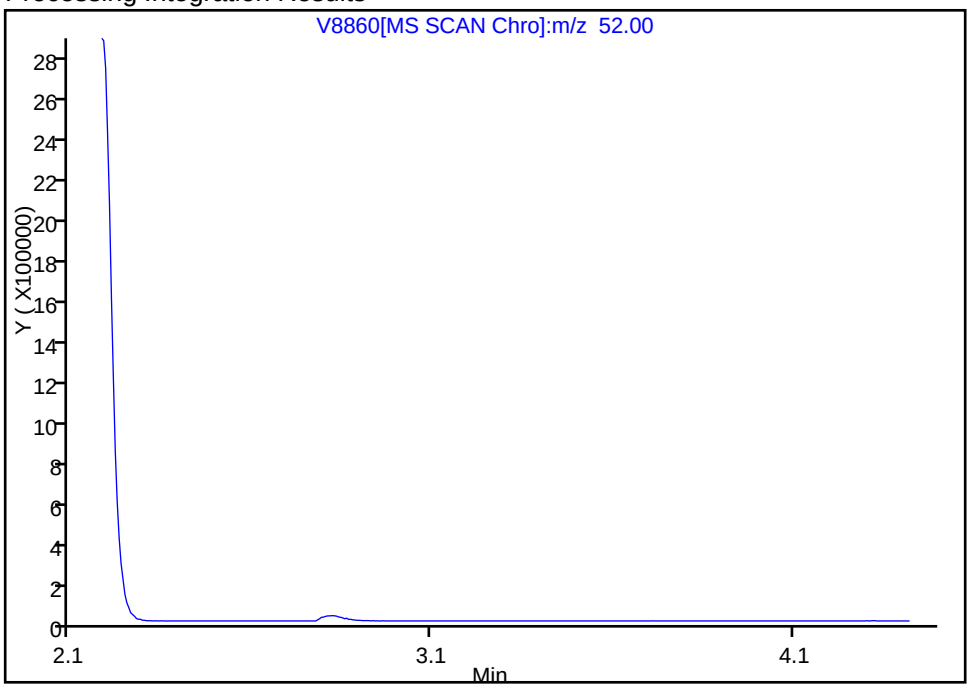
Manual Integration/User Assign Peak Report

Data File:	\\Bufchrom\ChromData\HP5973V\20120411-10911.b\V8860.D		
Injection Date:	11-Apr-2012 20:41:30	Limit Group:	MB - 8270C ICAL
Client ID:		Instrument ID:	HP5973V
Lims Batch ID:	59155	Lims Sample ID:	2
Operator ID:	HL	Injection Vol:	1.00 ul
Column Type:	RXI-5Sil MS	Column Dia:	0.25 mm

82 Pyridine, Signal: 1, m/z: 52.0 Type: quant, RT: 2.83

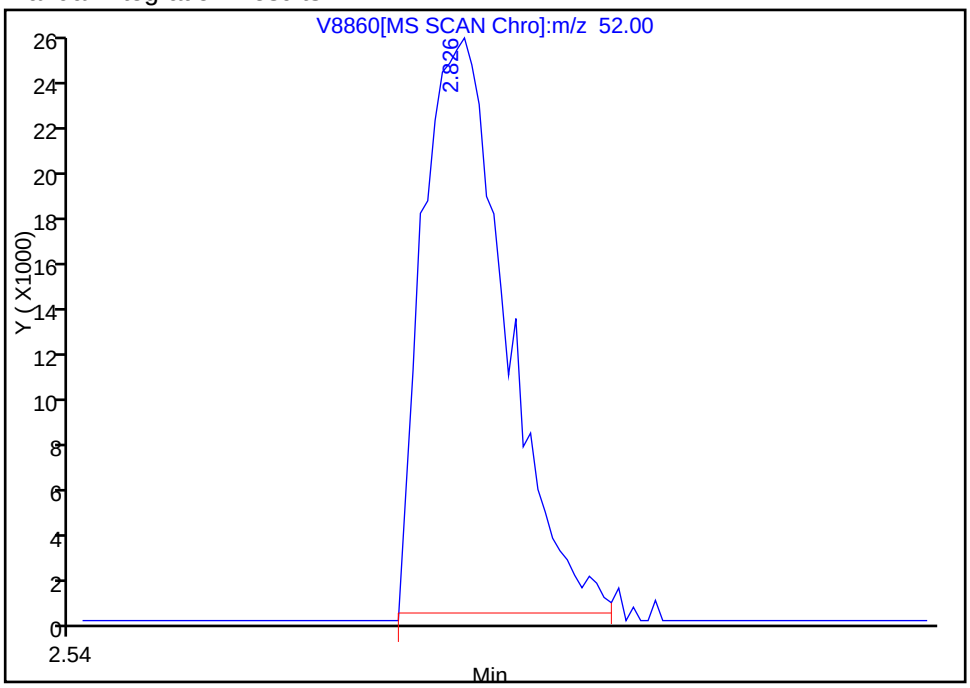
Not Detected
Expected RT: 2.83

Processing Integration Results



Manual Integration Results

RT: 2.83
Response: 106398
Amount: 50.674170



Reviewer: lyh, 12-Apr-2012 10:07:32
Audit Action: Manually Integrated
Audit Reason: Assign Peak

FORM VII
GC/MS SEMI VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Buffalo Job No.: 480-18292-1

SDG No.:

Lab Sample ID: CCV 480-59155/3 Calibration Date: 04/11/2012 21:05

Instrument ID: HP5973V Calib Start Date: 03/05/2012 14:58

GC Column: RXI-5Sil MS ID: 0.25(mm) Calib End Date: 03/05/2012 16:58

Lab File ID: V8861.D Conc. Units: ug/L

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Benzaldehyde	Ave	1.162	1.150	0.0100	49500	50000	-1.0	40.0
Acetophenone	Ave	2.033	1.927	0.0100	47400	50000	-5.2	40.0
Caprolactam	Lin1		0.0852	0.0100	46200	50000	-7.6	40.0
1,2,4,5-Tetrachlorobenzene	Ave	0.5273	0.5438	0.0100	51600	50000	3.1	40.0
Biphenyl	Ave	1.371	1.398	0.0100	51000	50000	2.0	40.0
2,3,4,6-Tetrachlorophenol	Lin1		0.2613	0.0100	47200	50000	-5.6	40.0
Atrazine	Ave	0.3443	0.3566	0.0100	51800	50000	3.6	25.0

TestAmerica Laboratories
Target Compound Quantitation Report

Data File:	\\Bufchrom\ChromData\HP5973V\20120411-10911.b\V8861.D		
Lims ID:	CCV TCLADD	Client ID:	
Inject. Date:	11-Apr-2012 21:05:30	Dil. Factor:	1.0000
Sample Type:	CCV		
Sample ID:	480-0010911-003		
Misc. Info.:	CCV TCLADD		
Operator:	HL	Instrument ID:	HP5973V
Vol. Injected:	1.0000	ALS Bottle#:	26
Lims Batch ID:	59155	Lims Sample ID:	3
Sublist:	chrom-V-8270*sub1		
Detector:	MS SCAN		
Method:	\\Bufchrom\ChromData\HP5973V\20120411-10911.b\V-8270.m		
Last Update:	12-Apr-2012 10:07:58	Calib Date:	09-Apr-2012 16:15:30
Quant Method:	Internal Standard	Quant By:	Initial Calibration
Last ICal File:	\\Bufchrom\ChromData\HP5973V\20120409-10827.b\V8763.D		
Limit Group:	MB - 8270C ICAL		
Integrator:	RTE	ID Type:	Deconvolution ID
Process Host:	CORP-CTX-19		
First Level Reviewer: lyh		Date:	12-Apr-2012 10:07:58

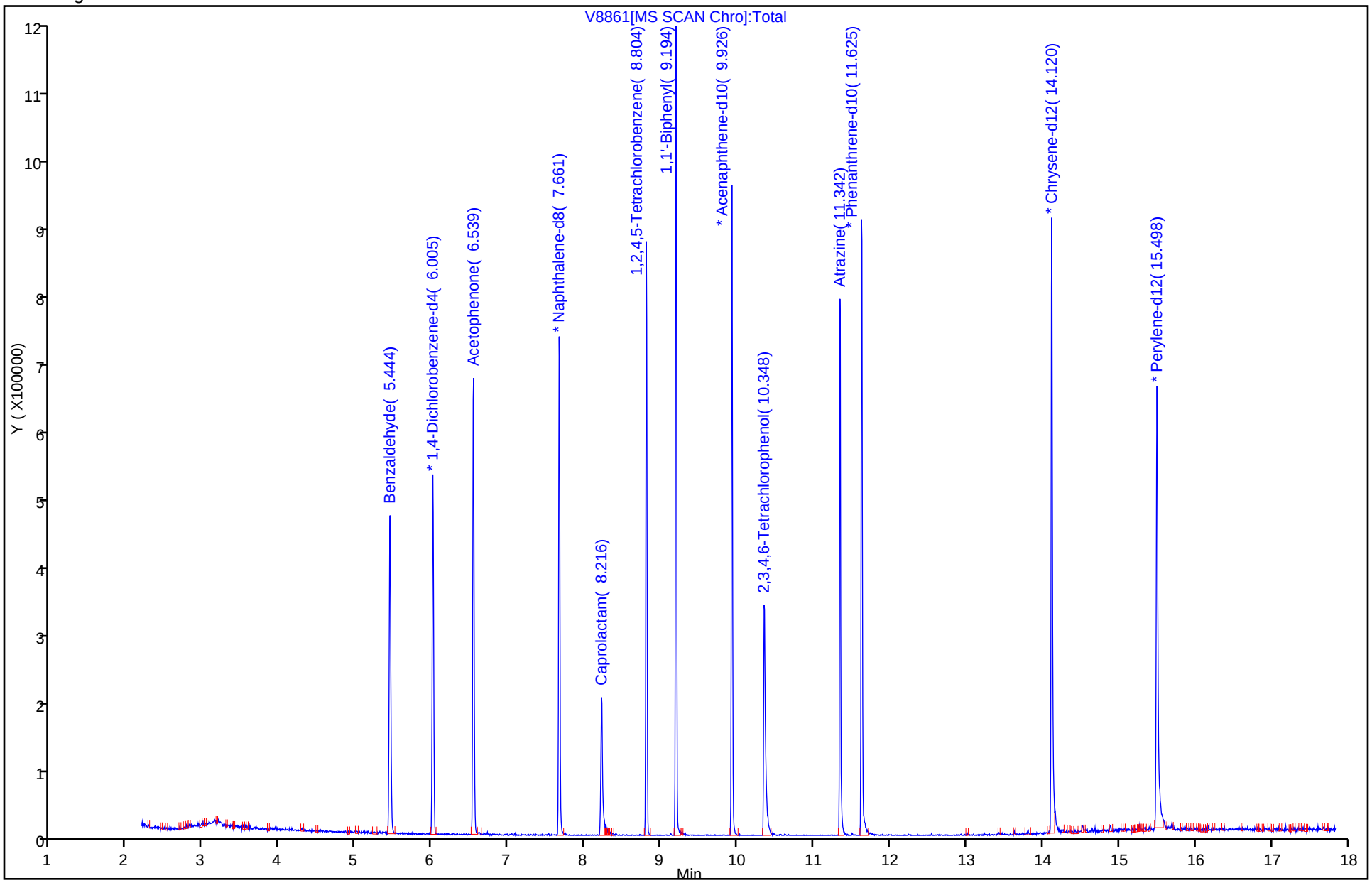
Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ng/uL	Flags
* 1 1,4-Dichlorobenzene-d4	152	6.005	6.005	0.0	97	102321	40.0	
* 2 Naphthalene-d8	136	7.661	7.661	0.0	99	376174	40.0	
* 3 Acenaphthene-d10	164	9.926	9.926	0.0	89	235394	40.0	
* 4 Phenanthrene-d10	188	11.625	11.625	0.0	97	401266	40.0	
* 5 Chrysene-d12	240	14.120	14.120	0.0	97	453673	40.0	
* 6 Perylene-d12	264	15.498	15.498	0.0	99	422593	40.0	
88 Benzaldehyde	77	5.444	5.444	0.0	89	147063	49.5	
104 Acetophenone	105	6.539	6.539	0.0	94	246490	47.4	
127 Caprolactam	113	8.222	8.222	0.0	72	40078	46.2	
138 1,2,4,5-Tetrachlorobenzene	216	8.804	8.804	0.0	98	160014	51.6	
144 1,1'-Biphenyl	154	9.194	9.194	0.0	94	411473	51.0	
158 2,3,4,6-Tetrachlorophenol	232	10.348	10.348	0.0	72	76877	47.2	
180 Atrazine	200	11.347	11.347	0.0	92	104929	51.8	

Report Date: 12-Apr-2012 10:07:58 Chrom Revision: 2.0 20-Feb-2012 13:27:02

Data File: \\Bufchrom\ChromData\HP5973V\20120411-10911.b\V8861.D

Injection Date:	11-Apr-2012 21:05:30	Limit Group:	MB - 8270C ICAL
Client ID:		Instrument ID:	HP5973V
Lims Batch ID:	59155	Lims Sample ID:	3
Operator ID:	HL	Injection Vol:	1.00 ul
Column Type:	RXI-5Sil MS	Column Dia:	0.25 mm

Y Scaling:



TestAmerica Laboratories
Target Compound Quantitation Report

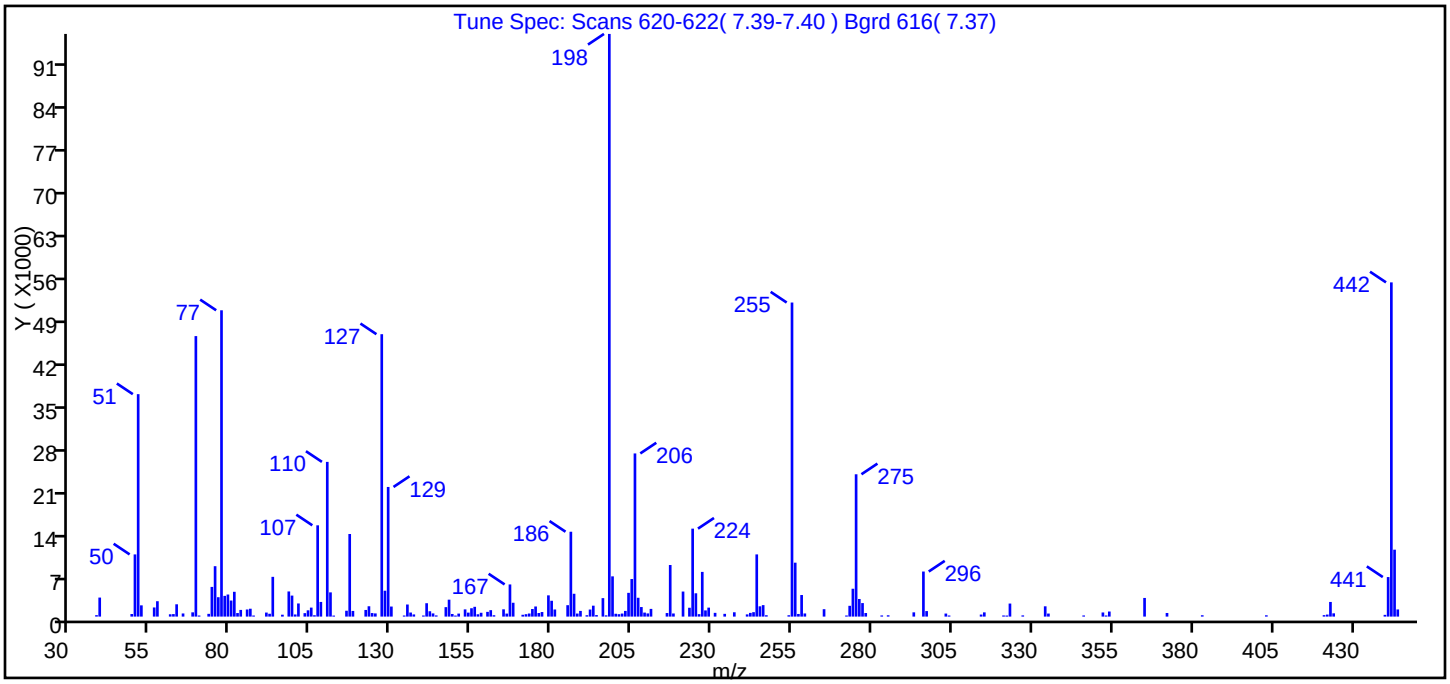
Data File:	\\Bufchrom\ChromData\HP5973V\20120305-9958.b\V7094.D		
Lims ID:	DFTPP	Client ID:	
Inject. Date:	05-Mar-2012 11:06:30	Dil. Factor:	1.0000
Sample Type:	DFTPP		
Sample ID:	DFTPP		
Misc. Info.:	DFTPP		
Operator:	KLP	Instrument ID:	HP5973V
Vol. Injected:	1.0000	ALS Bottle#:	1
Lims Batch ID:	53870	Lims Sample ID:	1
Detector:	MS SCAN		
Method:	\\Bufchrom\ChromData\HP5973V\20120305-9958.b\V-8270.m		
Last Update:	05-Mar-2012 15:47:27	Calib Date:	05-Mar-2012 14:34:30
Quant Method:	Internal Standard	Quant By:	Initial Calibration
Last ICal File:	\\Bufchrom\ChromData\HP5973V\20120305-9958.b\V7102.D		
Limit Group:	MB - 8270C ICAL		
Integrator:	RTE	ID Type:	Deconvolution ID
Process Host:	CORP-CTX-19		
First Level Reviewer: pfenderk		Date:	05-Mar-2012 15:47:27

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ng/uL	Flags
108 Pentachlorophenol_T	266	6.970	6.970	0.0	87	95540	0	
114 DFTPP								
130 Benzidine_T	184	8.412	8.412	0.0	98	631553	0	
137 4,4'-DDD	235		8.631					
134 4,4'-DDE	246		8.637					
141 4,4'-DDT	235	9.128	9.128	0.0	94	298808	0	

MS Tune Report

Data File:	\\Bufchrom\ChromData\HP5973V\20120305-9958.b\V7094.D		
Injection Date:	05-Mar-2012 11:06:30	Limit Group:	MB - 8270C ICAL
Client ID:		Instrument ID:	HP5973V
Lims Batch ID:	53870	Lims Sample ID:	1
Operator ID:	KLP	Injection Vol:	1.00 ul
Column Type:	RXI-5Sil MS	Column Dia:	0.25 mm
Tune Method:	DFTPP Method 8270		

114 DFTPP



m/z	Ion Abundance Criteria	% Relative Abundance
198	Base Peak, 100% relative abundance	100.00
51	30.00 - 60.00% of mass 198	38.18
68	Less than 2.00% of mass 69	0.73 (1.52)
69	Present	48.14
70	Less than 2.00% of mass 69	0.19 (0.38)
127	40.00 - 60.00% of mass 198	48.47
197	Less than 1.00% of mass 198	0.22
199	5.00 - 9.00% of mass 198	6.91
275	10.00 - 30.00% of mass 198	24.43
365	Greater than 1.00% of mass 198	3.20
441	Present, but less than mass 443%	6.78 (59.07)
442	Greater than 40.00% of mass 198	57.36
443	17.00 - 23.00% of mass 442	11.49 (20.02)

Data File: \\Bufchrom\ChromData\HP5973V\20120305-9958.b\V7094.D\V-8270.rslt\spectra.d
Injection Date: 05-Mar-2012 11:06:30
Spectrum: Tune Spec: Scans 620-622(7.39-7.40) Bgrd 616(7.37)
Base Peak: 198.00
Minimum % Base Peak: 0
Number of Points: 186

m/z	Y	m/z	Y	m/z	Y	m/z	Y
38.00	236	117.00	13543	185.00	1870	255.00	51496
39.00	3119	118.00	927	186.00	13915	256.00	8840
49.00	423	122.00	1088	187.00	3743	257.00	431
50.00	10196	123.00	1695	188.00	501	258.00	3538
51.00	36472	124.00	581	189.00	932	259.00	515
52.00	1844	125.00	521	191.00	224	265.00	1215
56.00	1498	127.00	46304	192.00	1159	272.00	182
57.00	2522	128.00	4244	193.00	1790	273.00	1768
61.00	380	129.00	21256	194.00	250	274.00	4567
62.00	411	130.00	1648	196.00	3027	275.00	23336
63.00	2018	134.00	178	197.00	206	276.00	2887
65.00	514	135.00	1983	198.00	95536	277.00	2216
68.00	697	136.00	666	199.00	6598	278.00	587
69.00	45992	137.00	356	200.00	465	283.00	190
70.00	177	140.00	180	201.00	397	285.00	216
73.00	452	141.00	2193	202.00	500	293.00	698
74.00	4866	142.00	876	203.00	933	296.00	7389
75.00	8265	143.00	524	204.00	3894	297.00	904
76.00	3179	144.00	193	205.00	6160	303.00	498
77.00	50224	147.00	1550	206.00	26752	304.00	179
78.00	3398	148.00	2775	207.00	3087	314.00	335
79.00	3620	149.00	429	208.00	1566	315.00	693
80.00	2632	150.00	170	209.00	656	321.00	186
81.00	4067	151.00	492	210.00	521	322.00	171
82.00	582	153.00	1182	211.00	1264	323.00	2139
83.00	1094	154.00	651	216.00	584	327.00	197
85.00	1166	155.00	1370	217.00	8458	334.00	1687
86.00	1291	156.00	1604	218.00	512	335.00	498
87.00	176	157.00	379	221.00	4108	346.00	186
91.00	662	158.00	627	223.00	1450	352.00	677
92.00	465	160.00	776	224.00	14421	353.00	183
93.00	6518	161.00	1055	225.00	3822	354.00	834
96.00	310	162.00	223	226.00	401	365.00	3058

Report Date: 05-Mar-2012 15:47:27 Chrom Revision: 2.0 20-Feb-2012 13:27:02
Data File: \\Bufchrom\ChromData\HP5973V\20120305-9958.b\V7094.D\V-8270.rslt\spectra.d
Injection Date: 05-Mar-2012 11:06:30
Spectrum: Tune Spec: Scans 620-622(7.39-7.40) Bgrd 616(7.37)
Base Peak: 198.00
Minimum % Base Peak: 0
Number of Points: 186

m/z	Y	m/z	Y	m/z	Y	m/z	Y
98.00	4123	165.00	1194	227.00	7329	372.00	591
99.00	3444	166.00	494	228.00	1014	383.00	222
100.00	350	167.00	5273	229.00	1470	403.00	214
101.00	2154	168.00	2269	231.00	614	421.00	241
103.00	566	171.00	300	234.00	452	422.00	334
104.00	1031	172.00	395	237.00	709	423.00	2401
105.00	1476	173.00	505	241.00	363	424.00	536
106.00	223	174.00	1243	242.00	606	440.00	285
107.00	14966	175.00	1658	243.00	727	441.00	6482
108.00	2403	176.00	586	244.00	10197	442.00	54800
110.00	25368	177.00	749	245.00	1686	443.00	10973
111.00	3971	179.00	3483	246.00	1881	444.00	1173
112.00	167	180.00	2596	247.00	224		
116.00	961	181.00	1166	254.00	222		

TestAmerica Laboratories
Target Compound Quantitation Report

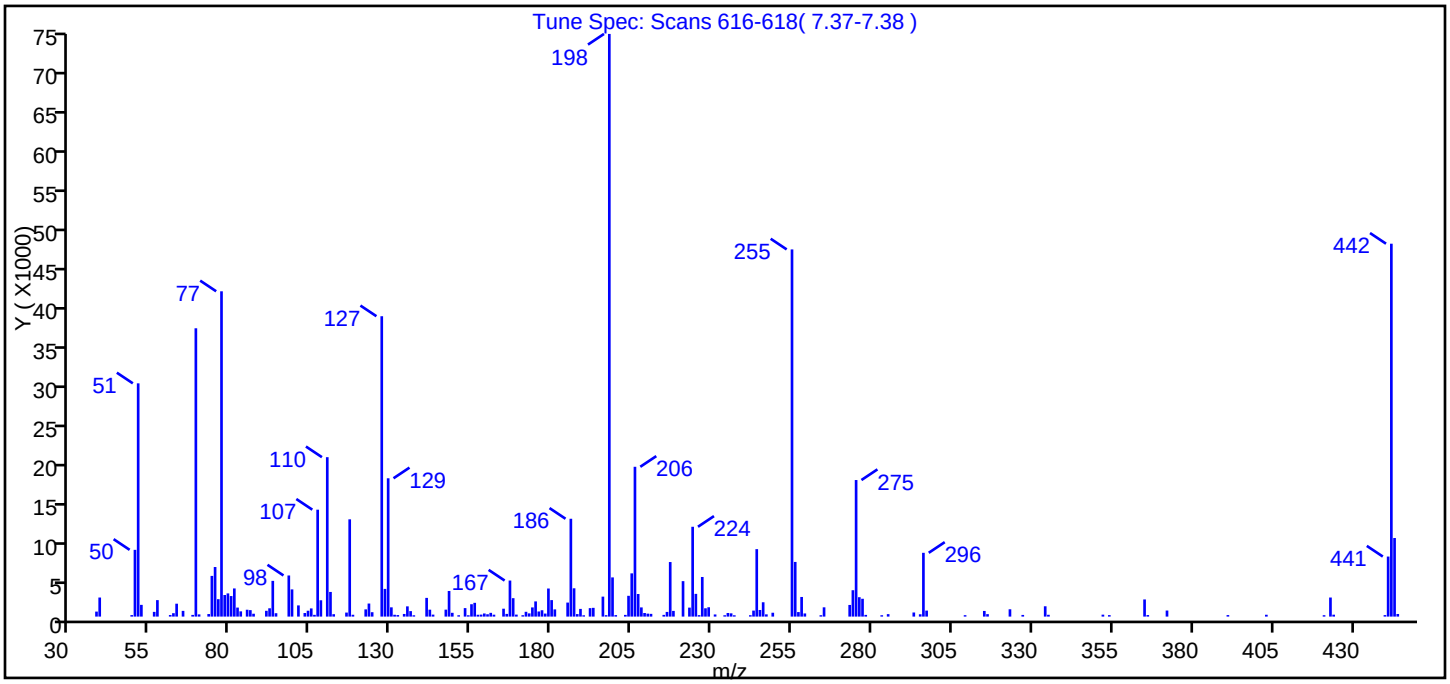
Data File:	\\Bufchrom\ChromData\HP5973V\20120409-10827.b\V8757.D		
Lims ID:	DFTPP	Client ID:	
Inject. Date:	09-Apr-2012 13:54:30	Dil. Factor:	1.0000
Sample Type:	DFTPP		
Sample ID:	DFTPP		
Misc. Info.:	DFTPP		
Operator:	HL	Instrument ID:	HP5973V
Vol. Injected:	1.0000	ALS Bottle#:	1
Lims Batch ID:	58695	Lims Sample ID:	1
Detector:	MS SCAN		
Method:	\\Bufchrom\ChromData\HP5973V\20120409-10827.b\V-8270.m		
Last Update:	09-Apr-2012 17:26:19	Calib Date:	09-Apr-2012 16:15:30
Quant Method:	Internal Standard	Quant By:	Initial Calibration
Last ICal File:	\\Bufchrom\ChromData\HP5973V\20120409-10827.b\V8763.D		
Limit Group:	MB - 8270C ICAL		
Integrator:	RTE	ID Type:	Deconvolution ID
Process Host:	CORP-CTX-19		
First Level Reviewer: lyh		Date:	09-Apr-2012 17:26:19

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ng/uL	Flags
108 Pentachlorophenol_T	266	6.975	6.975	0.0	67	35962	0	
114 DFTPP								
130 Benzidine_T	184	8.407	8.407	0.0	93	282287	0	
137 4,4'-DDD	235		8.840					
134 4,4'-DDE	246		9.107					
141 4,4'-DDT	235	9.107	9.107	0.0	93	192324	0	

MS Tune Report

Data File:	\\Bufchrom\ChromData\HP5973V\20120409-10827.b\V8757.D		
Injection Date:	09-Apr-2012 13:54:30	Limit Group:	MB - 8270C ICAL
Client ID:		Instrument ID:	HP5973V
Lims Batch ID:	58695	Lims Sample ID:	1
Operator ID:	HL	Injection Vol:	1.00 ul
Column Type:	RXI-5Sil MS	Column Dia:	0.25 mm
Tune Method:	DFTPP Method 8270		

114 DFTPP



m/z	Ion Abundance Criteria	% Relative Abundance
198	Base Peak, 100% relative abundance	100.00
51	30.00 - 60.00% of mass 198	40.03
68	Less than 2.00% of mass 69	0.29 (0.59)
69	Present	49.48
70	Less than 2.00% of mass 69	0.38 (0.76)
127	40.00 - 60.00% of mass 198	51.55
197	Less than 1.00% of mass 198	0.24
199	5.00 - 9.00% of mass 198	6.73
275	10.00 - 30.00% of mass 198	23.44
365	Greater than 1.00% of mass 198	2.94
441	Present, but less than mass 443%	10.30 (76.42)
442	Greater than 40.00% of mass 198	64.00
443	17.00 - 23.00% of mass 442	13.48 (21.07)

Data File: \\Bufchrom\ChromData\HP5973V\20120409-10827.b\V8757.D\V-8270.rslt\spectra.d
Injection Date: 09-Apr-2012 13:54:30
Spectrum: Tune Spec: Scans 616-618(7.37-7.38)
Base Peak: 198.00
Minimum % Base Peak: 0
Number of Points: 181

m/z	Y	m/z	Y	m/z	Y	m/z	Y
38.00	638	117.00	12394	180.00	2101	247.00	285
39.00	2430	118.00	235	181.00	919	249.00	492
49.00	190	122.00	921	185.00	1786	255.00	46784
50.00	8506	123.00	1664	186.00	12466	256.00	6965
51.00	29720	124.00	559	187.00	3606	257.00	576
52.00	1495	127.00	38272	188.00	319	258.00	2501
56.00	602	128.00	3529	189.00	981	259.00	401
57.00	2100	129.00	17624	190.00	166	264.00	176
61.00	199	130.00	1180	192.00	1078	265.00	1182
62.00	434	131.00	233	193.00	1116	273.00	1484
63.00	1644	132.00	194	196.00	2544	274.00	3362
65.00	730	134.00	337	197.00	181	275.00	17400
68.00	215	135.00	1305	198.00	74240	276.00	2471
69.00	36736	136.00	698	199.00	4994	277.00	2271
70.00	281	137.00	168	200.00	189	278.00	218
73.00	326	141.00	2384	203.00	217	283.00	174
74.00	5185	142.00	881	204.00	2649	285.00	314
75.00	6317	143.00	253	205.00	5509	293.00	523
76.00	2220	147.00	886	206.00	19088	295.00	296
77.00	41448	148.00	3264	207.00	2878	296.00	8127
78.00	2750	149.00	483	208.00	1171	297.00	765
79.00	2955	151.00	171	209.00	458	309.00	180
80.00	2617	153.00	1082	210.00	376	315.00	720
81.00	3587	154.00	168	211.00	348	316.00	312
82.00	1149	155.00	1577	215.00	219	323.00	933
83.00	668	156.00	1754	216.00	596	327.00	212
85.00	874	157.00	235	217.00	6951	334.00	1315
86.00	822	158.00	254	218.00	725	335.00	230
87.00	365	159.00	397	221.00	4517	352.00	246
91.00	739	160.00	296	223.00	1144	354.00	189
92.00	1059	161.00	478	224.00	11445	365.00	2186
93.00	4552	162.00	243	225.00	2896	366.00	195
94.00	432	165.00	1006	226.00	186	372.00	772

Report Date: 09-Apr-2012 17:26:19 Chrom Revision: 2.0 20-Feb-2012 13:27:02
Data File: \\Bufchrom\ChromData\HP5973V\20120409-10827.b\V8757.D\V-8270.rslt\spectra.d
Injection Date: 09-Apr-2012 13:54:30
Spectrum: Tune Spec: Scans 616-618(7.37-7.38)
Base Peak: 198.00
Minimum % Base Peak: 0
Number of Points: 181

m/z	Y	m/z	Y	m/z	Y	m/z	Y
98.00	5239	166.00	343	227.00	5047	391.00	194
99.00	3466	167.00	4593	228.00	1059	403.00	236
101.00	1426	168.00	2347	229.00	1189	421.00	177
103.00	456	169.00	253	231.00	273	423.00	2431
104.00	748	171.00	177	234.00	172	424.00	243
105.00	1042	172.00	611	235.00	459	440.00	191
106.00	223	173.00	409	236.00	416	441.00	7650
107.00	13623	174.00	1170	237.00	168	442.00	47512
108.00	2081	175.00	1936	242.00	177	443.00	10011
110.00	20312	176.00	652	243.00	765	444.00	332
111.00	3141	177.00	810	244.00	8595		
112.00	307	178.00	384	245.00	842		
116.00	513	179.00	3578	246.00	1826		

TestAmerica Laboratories
Target Compound Quantitation Report

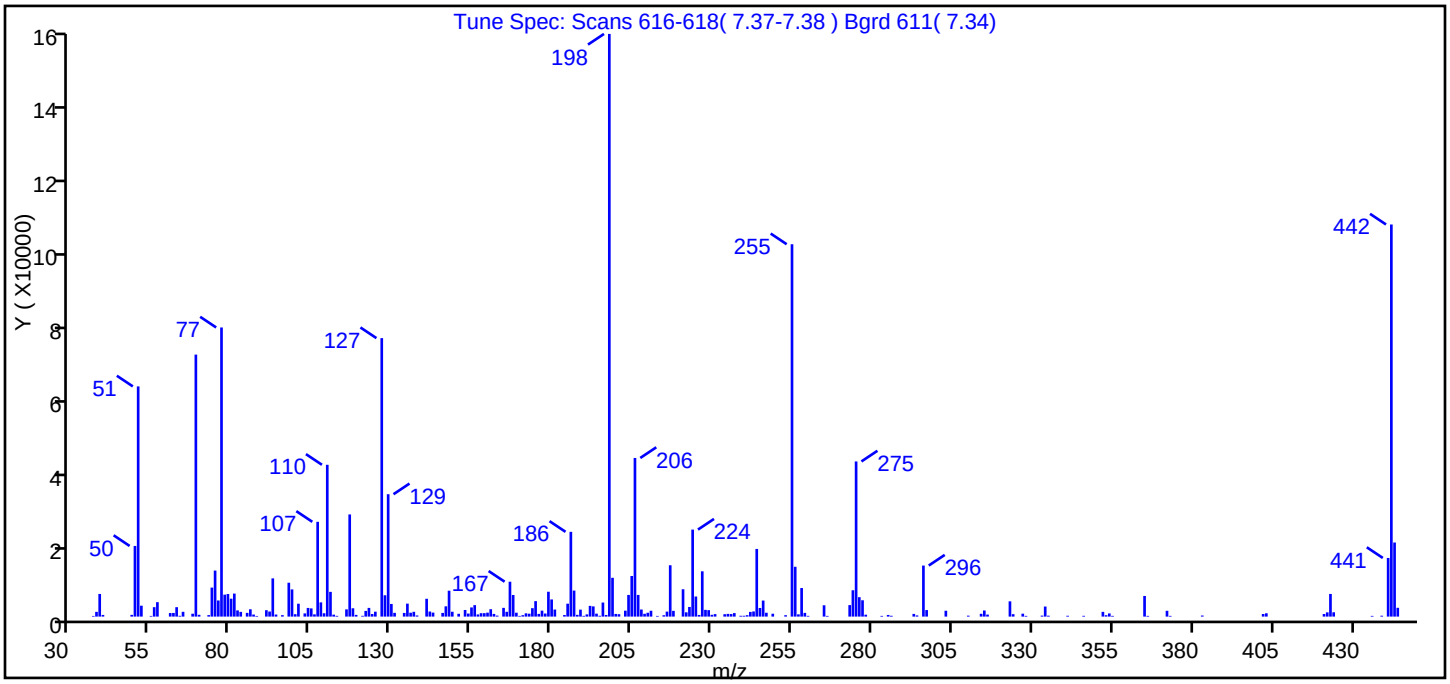
Data File:	\\Bufchrom\ChromData\HP5973V\20120411-10911.b\V8859.D		
Lims ID:	DFTPP	Client ID:	
Inject. Date:	11-Apr-2012 20:25:30	Dil. Factor:	1.0000
Sample Type:	DFTPP		
Sample ID:	480-0010911-001		
Misc. Info.:	DFTPP		
Operator:	HL	Instrument ID:	HP5973V
Vol. Injected:	1.0000	ALS Bottle#:	24
Lims Batch ID:	59155	Lims Sample ID:	1
Detector:	MS SCAN		
Method:	\\Bufchrom\ChromData\HP5973V\20120411-10911.b\V-8270.m		
Last Update:	12-Apr-2012 10:05:41	Calib Date:	09-Apr-2012 16:15:30
Quant Method:	Internal Standard	Quant By:	Initial Calibration
Last ICal File:	\\Bufchrom\ChromData\HP5973V\20120409-10827.b\V8763.D		
Limit Group:	MB - 8270C ICAL		
Integrator:	RTE	ID Type:	Deconvolution ID
Process Host:	CORP-CTX-19		
First Level Reviewer: lyh		Date:	12-Apr-2012 10:05:41

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ng/uL	Flags
108 Pentachlorophenol_T	266	6.965	6.965	0.0	85	104604	0	
114 DFTPP								
130 Benzidine_T	184	8.402	8.402	0.0	98	778921	0	
137 4,4'-DDD	235	8.840	8.840	0.0	33	10992	0	
134 4,4'-DDE	246		9.107					
141 4,4'-DDT	235	9.107	9.107	0.0	96	405888	0	

MS Tune Report

Data File:	\\Bufchrom\ChromData\HP5973V\20120411-10911.b\V8859.D		
Injection Date:	11-Apr-2012 20:25:30	Limit Group:	MB - 8270C ICAL
Client ID:		Instrument ID:	HP5973V
Lims Batch ID:	59155	Lims Sample ID:	1
Operator ID:	HL	Injection Vol:	1.00 ul
Column Type:	RXI-5Sil MS	Column Dia:	0.25 mm
Tune Method:	DFTPP Method 8270		

114 DFTPP



m/z	Ion Abundance Criteria	% Relative Abundance
198	Base Peak, 100% relative abundance	100.00
51	30.00 - 60.00% of mass 198	39.51
68	Less than 2.00% of mass 69	0.49 (1.10)
69	Present	44.96
70	Less than 2.00% of mass 69	0.31 (0.69)
127	40.00 - 60.00% of mass 198	47.79
197	Less than 1.00% of mass 198	0.27
199	5.00 - 9.00% of mass 198	6.66
275	10.00 - 30.00% of mass 198	26.63
365	Greater than 1.00% of mass 198	3.54
441	Present, but less than mass 443%	10.06 (79.15)
442	Greater than 40.00% of mass 198	67.30
443	17.00 - 23.00% of mass 442	12.72 (18.89)

Data File: \\Bufchrom\ChromData\HP5973V\20120411-10911.b\V8859.D\V-8270.rslt\spectra.d
Injection Date: 11-Apr-2012 20:25:30
Spectrum: Tune Spec: Scans 616-618(7.37-7.38) Bgrd 611(7.34)
Base Peak: 198.00
Minimum % Base Peak: 0
Number of Points: 223

m/z	Y	m/z	Y	m/z	Y	m/z	Y
37.00	171	118.00	2175	187.00	6806	256.00	13023
38.00	1242	119.00	446	188.00	458	257.00	588
39.00	5920	121.00	206	189.00	1820	258.00	7469
40.00	431	122.00	1484	190.00	193	259.00	973
49.00	453	123.00	2274	191.00	572	260.00	198
50.00	18464	124.00	676	192.00	2803	265.00	2958
51.00	60176	125.00	1283	193.00	2668	266.00	186
52.00	2848	127.00	72800	194.00	767	273.00	3003
55.00	178	128.00	5575	195.00	219	274.00	6889
56.00	2466	129.00	31992	196.00	3676	275.00	40560
57.00	3772	130.00	3305	197.00	416	276.00	5075
61.00	928	131.00	983	198.00	152320	277.00	4269
62.00	957	134.00	959	199.00	10139	278.00	493
63.00	2463	135.00	3389	200.00	698	283.00	187
64.00	210	136.00	1013	201.00	632	285.00	432
65.00	1250	137.00	1255	203.00	1549	286.00	216
68.00	752	138.00	293	204.00	5662	293.00	702
69.00	68488	141.00	4654	205.00	10608	294.00	302
70.00	471	142.00	1322	206.00	41472	296.00	13343
73.00	388	143.00	1044	207.00	5664	297.00	1708
74.00	7581	146.00	963	208.00	1849	303.00	1531
75.00	12030	147.00	2689	209.00	731	310.00	246
76.00	4215	148.00	6767	210.00	1002	314.00	731
77.00	75584	149.00	1267	211.00	1529	315.00	1595
78.00	5735	151.00	733	213.00	176	316.00	525
79.00	5898	153.00	1731	215.00	354	323.00	3992
80.00	4684	154.00	795	216.00	1306	324.00	635
81.00	6016	155.00	2393	217.00	13420	327.00	760
82.00	1622	156.00	2995	218.00	1501	328.00	192
83.00	1230	157.00	563	221.00	7148	333.00	255
85.00	975	158.00	894	222.00	1119	334.00	2629
86.00	1910	159.00	894	223.00	2517	335.00	241
87.00	536	160.00	1032	224.00	22744	341.00	218

Report Date: 12-Apr-2012 10:05:41 Chrom Revision: 2.0 20-Feb-2012 13:27:02
Data File: \\Bufchrom\ChromData\HP5973V\20120411-10911.b\V8859.D\V-8270.rslt\spectra.d
Injection Date: 11-Apr-2012 20:25:30
Spectrum: Tune Spec: Scans 616-618(7.37-7.38) Bgrd 611(7.34)
Base Peak: 198.00
Minimum % Base Peak: 0
Number of Points: 223

m/z	Y	m/z	Y	m/z	Y	m/z	Y
88.00	171	161.00	1929	225.00	5253	346.00	203
91.00	1677	162.00	698	226.00	430	352.00	1240
92.00	1324	163.00	258	227.00	11839	353.00	362
93.00	9993	165.00	2285	228.00	1759	354.00	825
94.00	537	166.00	1252	229.00	1682	355.00	194
96.00	376	167.00	9120	230.00	471	365.00	5395
98.00	8852	168.00	5649	231.00	650	366.00	189
99.00	7106	169.00	1015	234.00	623	372.00	1513
100.00	624	170.00	184	235.00	709	373.00	192
101.00	3368	171.00	372	236.00	665	383.00	280
103.00	834	172.00	855	237.00	915	402.00	679
104.00	2264	173.00	760	239.00	215	403.00	865
105.00	2142	174.00	2204	240.00	218	421.00	674
106.00	589	175.00	4045	241.00	365	422.00	1108
107.00	24776	176.00	706	242.00	1226	423.00	5921
108.00	3717	177.00	1559	243.00	1348	424.00	1131
109.00	872	178.00	800	244.00	17688	436.00	188
110.00	39688	179.00	6498	245.00	2255	439.00	233
111.00	6468	180.00	4483	246.00	4195	441.00	15330
112.00	507	181.00	1846	247.00	1007	442.00	102504
113.00	195	184.00	407	249.00	749	443.00	19368
116.00	1891	185.00	3374	253.00	363	444.00	2299
117.00	26704	186.00	22160	255.00	97344		

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Buffalo | Job No.: 480-18292-1

SDG No.:

Client Sample ID: | Lab Sample ID: MB 480-58845/1-A

Matrix: Solid | Lab File ID: V8862.D

Analysis Method: 8270C | Date Collected:

Extract. Method: 3550B | Date Extracted: 04/10/2012 07:39

Sample wt/vol: +30.10(g) | Date Analyzed: 04/11/2012 21:29

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.: 59155 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
95-95-4	2,4,5-Trichlorophenol	ND		170	37
88-06-2	2,4,6-Trichlorophenol	ND		170	11
120-83-2	2,4-Dichlorophenol	ND		170	8.8
105-67-9	2,4-Dimethylphenol	ND		170	45
51-28-5	2,4-Dinitrophenol	ND		330	59
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	8.6
91-57-6	2-Methylnaphthalene	ND		170	2.0
95-48-7	2-Methylphenol	ND		170	5.2
88-74-4	2-Nitroaniline	ND		330	54
88-75-5	2-Nitrophenol	ND		170	7.7
91-94-1	3,3'-Dichlorobenzidine	ND		170	150
99-09-2	3-Nitroaniline	ND		330	39
534-52-1	4,6-Dinitro-2-methylphenol	ND		330	58
101-55-3	4-Bromophenyl phenyl ether	ND		170	54
59-50-7	4-Chloro-3-methylphenol	ND		170	6.9
106-47-8	4-Chloroaniline	ND		170	49
7005-72-3	4-Chlorophenyl phenyl ether	ND		170	3.6
106-44-5	4-Methylphenol	ND		330	9.4
100-01-6	4-Nitroaniline	ND		330	19
100-02-7	4-Nitrophenol	ND		330	41
83-32-9	Acenaphthene	ND		170	2.0
208-96-8	Acenaphthylene	ND		170	1.4
98-86-2	Acetophenone	ND		170	8.6
120-12-7	Anthracene	ND		170	4.3
1912-24-9	Atrazine	ND		170	7.5
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	4.1
205-99-2	Benzo(b)fluoranthene	ND		170	3.3
191-24-2	Benzo(g,h,i)perylene	ND		170	2.0
207-08-9	Benzo(k)fluoranthene	ND		170	1.9

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Buffalo | Job No.: 480-18292-1

SDG No.:

Client Sample ID: | Lab Sample ID: MB 480-58845/1-A

Matrix: Solid | Lab File ID: V8862.D

Analysis Method: 8270C | Date Collected:

Extract. Method: 3550B | Date Extracted: 04/10/2012 07:39

Sample wt/vol: +30.10(g) | Date Analyzed: 04/11/2012 21:29

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.: 59155 | 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	18
111-91-1	Bis(2-chloroethoxy)methane	ND		170	9.2
111-44-4	Bis(2-chloroethyl)ether	ND		170	15
117-81-7	Bis(2-ethylhexyl) phthalate	ND		170	54
85-68-7	Butyl benzyl phthalate	ND		170	45
105-60-2	Caprolactam	ND		170	73
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	1.8
84-66-2	Diethyl phthalate	ND		170	5.1
131-11-3	Dimethyl phthalate	ND		170	4.4
84-74-2	Di-n-butyl phthalate	ND		170	58
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	3.9
118-74-1	Hexachlorobenzene	ND		170	8.4
87-68-3	Hexachlorobutadiene	ND		170	8.6
77-47-4	Hexachlorocyclopentadiene	ND		170	51
67-72-1	Hexachloroethane	ND		170	13
193-39-5	Indeno(1,2,3-cd)pyrene	ND		170	4.7
78-59-1	Isophorone	ND		170	8.4
91-20-3	Naphthalene	ND		170	2.8
98-95-3	Nitrobenzene	ND		170	7.5
621-64-7	N-Nitrosodi-n-propylamine	ND		170	13
86-30-6	N-Nitrosodiphenylamine	ND		170	9.2
87-86-5	Pentachlorophenol	ND		330	58
85-01-8	Phenanthrene	ND		170	3.5
108-95-2	Phenol	ND		170	18
129-00-0	Pyrene	ND		170	1.1

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Buffalo | Job No.: 480-18292-1

SDG No.:

Client Sample ID: | Lab Sample ID: MB 480-58845/1-A

Matrix: Solid | Lab File ID: V8862.D

Analysis Method: 8270C | Date Collected:

Extract. Method: 3550B | Date Extracted: 04/10/2012 07:39

Sample wt/vol: +30.10(g) | Date Analyzed: 04/11/2012 21:29

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.: 59155 | Units: ug/Kg

CAS NO.	SURROGATE	%REC	Q	LIMITS
118-79-6	2,4,6-Tribromophenol	97		39-146
321-60-8	2-Fluorobiphenyl	82		37-120
367-12-4	2-Fluorophenol	69		18-120
4165-60-0	Nitrobenzene-d5	76		34-132
4165-62-2	Phenol-d5	71		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.: 480-18292-1

SDG No.:

Client Sample ID: | Lab Sample ID: MB 480-58845/1-A

Matrix: Solid | Lab File ID: V8862.D

Analysis Method: 8270C | Date Collected:

Extract. Method: 3550B | Date Extracted: 04/10/2012 07:39

Sample wt/vol: +30.10(g) | Date Analyzed: 04/11/2012 21:29

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.: 59155 | Units: ug/Kg

Number TICs Found: 1 | TIC Result Total: 944

CAS NO.	COMPOUND NAME	RT	RESULT	Q
	Unknown	2.24	944	T J

TestAmerica Laboratories
Target Compound Quantitation Report

Data File: \\Bufchrom\ChromData\HP5973V\20120411-10911.b\V8862.D
Lims ID: MB 480-58845/1-A Client ID:
Inject. Date: 11-Apr-2012 21:29:30 Dil. Factor: 1.0000
Sample Type: MB
Sample ID: 480-0010911-004
Misc. Info.: MB 480-58845/1-A
Operator: HL Instrument ID: HP5973V
Vol. Injected: 1.0000 ALS Bottle#: 27
Lims Batch ID: 59155 Lims Sample ID: 4
Detector: MS SCAN

Method: \\Bufchrom\ChromData\HP5973V\20120411-10911.b\V-8270.m
Last Update: 12-Apr-2012 10:11:16 Calib Date: 09-Apr-2012 16:15:30
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\Bufchrom\ChromData\HP5973V\20120409-10827.b\V8763.D
Limit Group: MB - 8270C ICAL
Integrator: RTE ID Type: Deconvolution ID
Process Host: CORP-CTX-19

First Level Reviewer: lyh Date: 12-Apr-2012 10:11:16

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ng/uL	Flags
* 1 1,4-Dichlorobenzene-d4	152	6.010	6.005	0.005	96	92295	40.0	
* 2 Naphthalene-d8	136	7.661	7.661	0.0	99	352415	40.0	
* 3 Acenaphthene-d10	164	9.926	9.926	0.0	89	218406	40.0	
* 4 Phenanthrene-d10	188	11.625	11.625	0.0	97	380950	40.0	
* 5 Chrysene-d12	240	14.120	14.120	0.0	97	400268	40.0	
* 6 Perylene-d12	264	15.498	15.498	0.0	99	373359	40.0	
$ 9 2-Fluorophenol	112	4.311	4.317	-0.006	89	326794	103.0	
$ 10 Phenol-d5	99	5.529	5.535	-0.006	84	449252	106.7	
$ 11 Nitrobenzene-d5	82	6.737	6.737	0.0	89	284218	76.0	
$ 12 2-Fluorobiphenyl	172	9.071	9.066	0.005	99	564723	82.2	
$ 13 2,4,6-Tribromophenol	330	10.872	10.877	-0.005	86	111656	145.8	
$ 14 p-Terphenyl-d14	244	13.169	13.169	0.0	96	896168	103.1	
55 CBF-400/500	1		0.000					
47 1,3-phenylenediamine	1		0.000					
22 N-Methylaniline	1		0.000					
61 CAG-800	1		0.000					
52 2,6-Dichlorotoluene	1		0.000					
69 4,4'-Methylene bis(2-chloroanili	1		0.000					
76 3-Chlorobenzotrifluoride	1		0.000					
17 CN-500	1		0.000					
74 3-Chlorotoluene	1		0.000					
18 CU-600	1		0.000					
53 1,3,5-Trichlorobenzene	180		0.000					
33 o-Anisidine	1		0.000					
63 5-Ethyl-5-phenyl barbituric acid	1		0.000					
41 2-Chlorotoluene	91		0.000					
27 Pendimethalin	1		0.000					
44 2,4-Xylidine	1		0.000					
21 2-Chlorobenzotrifluoride	1		0.000					
72 4-Chlorobenzotrifluoride	1		0.000					
39 Benzo[e]pyrene	1		0.000					

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ng/uL	Flags
40 1-Methylcyclopentanol	1		0.000					
57 5-Methyl-o-Anisidine	1		0.000					
67 4-Chlorotoluene	91		0.000					
36 2,3-Dichlorophenol	1		0.000					
35 1,2,3,4 -Tetrachlorobenzene	216		0.000					
15 Lidocaine	1		0.000					
66 4-Chlorophenol	1		0.000					
23 n,n'-Dimethylacetamide	1		0.000					
46 2,4-Dichlorotoluene	1		0.000					
60 Benzeneacetonitrile	1		0.000					
43 2,4,5-Trichlorotoluene	1		0.000					
58 Chlorobenzotrifluoride N.O.S	1		0.000					
223 2,3-Dichlorobenzenamine	161		0.000					
19 NVF-400	1		0.000					
79 2-Methylanthracene	1		0.000					
71 Chlorotoluene N.O.S	1		0.000					
45 2-Aminopyridine	1		0.000					
70 Phenylacetic Acid	1		0.000					
80 1,4-Dioxane	88		2.447					
81 N-Nitrosodimethylamine	42		2.751					
82 Pyridine	52		2.826					
31 Dimethylformamide	73		3.173					
83 2-Picoline	93		3.512					
84 N-Nitrosomethylethylamine	88		3.619					
85 Methyl methanesulfonate	80		4.014					
68 4-Chloropyridine	78	4.333	4.315	0.018	0	19144	0	
75 3-Chloropyridine	78		4.416					
86 N-Nitrosodiethylamine	102		4.559					
87 Ethyl methanesulfonate	79		4.954					
48 2-Chloropyridine	78		4.961					
88 Benzaldehyde	77		5.444					
89 Phenol	94		5.551					
90 Aniline	93		5.588					
92 Pentachloroethane	167		5.633					
91 Bis(2-chloroethyl)ether	93		5.668					
93 2-Chlorophenol	128		5.732					
54 p-Fluoroaniline	111		5.762					
94 1,3-Dichlorobenzene	146		5.930					
20 n-Decane	57		5.998					
95 1,4-Dichlorobenzene	146		6.032					
96 Benzyl alcohol	108		6.197					
97 1,2-Dichlorobenzene	146		6.224					
98 2-Methylphenol	108		6.341					
99 2,2'-oxybis[1-chloropropane]	45		6.368					
100 N-Nitrosopyrrolidine	100		6.493					
104 Acetophenone	105		6.539					
103 N-Nitrosomorpholine	56		6.541					
101 N-Nitrosodi-n-propylamine	70		6.544					
102 4-Methylphenol	108		6.550					
105 2-Toluidine	106		6.611					
73 4-Methylbenzenamine	106		6.611					
106 Hexachloroethane	117		6.662					

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ng/uL	Flags
107 Nitrobenzene	77		6.758					
49 2,6-Dichloropyridine	112		6.783					
109 N-Nitrosopiperidine	114		6.947					
108 Pentachlorophenol_T	266		6.965					
110 Isophorone	82		7.073					
51 2-Chloroaniline	127		7.145					
111 2-Nitrophenol	139		7.175					
112 2,4-Dimethylphenol	107		7.244					
113 Tetraethyl lead	237		7.276					
116 o,o',o''-Triethylphosphorothioat	198		7.348					
115 Bis(2-chloroethoxy)methane	93		7.362					
118 alpha,alpha-Dimethyl phenethylam	58		7.470					
119 Benzoic acid	105		7.479					
117 2,4-Dichlorophenol	162		7.490					
120 1,2,4-Trichlorobenzene	180		7.591					
121 Naphthalene	128		7.693					
122 Alpha-Terpineol	59		7.732					
123 4-Chloroaniline	127		7.778					
124 2,6-Dichlorophenol	162		7.796					
125 Hexachloropropene	213		7.834					
126 Hexachlorobutadiene	225		7.853					
32 Quinoline	129		8.190					
127 Caprolactam	113		8.222					
128 p-Phenylene diamine	108		8.234					
129 N-Nitrosodi-n-butylamine	84		8.234					
130 Benzidine_T	184		8.402					
131 4-Chloro-3-methylphenol	107		8.414					
132 Safrole, Total	162		8.501					
133 2-Methylnaphthalene	142		8.590					
135 Phthalic anhydride	104		8.678					
136 Hexachlorocyclopentadiene	237		8.788					
138 1,2,4,5-Tetrachlorobenzene	216		8.804					
137 4,4'-DDD	235		8.840					
139 2,4,6-Trichlorophenol	196		8.959					
140 2,4,5-Trichlorophenol	196		9.012					
30 Dicyclohexlamine	138		9.034					
134 4,4'-DDE	246		9.107					
141 4,4'-DDT	235		9.107					
142 Isosafrole	162		9.169					
144 1,1'-Biphenyl	154		9.194					
143 2-Chloronaphthalene	162		9.215					
146 1,4-Dinitrobenzene	168		9.329					
145 2-Nitroaniline	65		9.370					
42 1,4-Naphthoquinone	158		9.447					
50 1,3-Dinitrobenzene	168		9.552					
147 Dimethyl phthalate	163		9.605					
148 2,6-Dinitrotoluene	165		9.686					
149 Acenaphthylene	152		9.750					
150 3-Nitroaniline	138		9.910					
151 Acenaphthene	153		9.969					
152 2,4-Dinitrophenol	184		10.044					
153 4-Nitrophenol	109		10.150					

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ng/uL	Flags
156 Pentachlorobenzene	250		10.152					
155 Dibenzofuran	168		10.182					
154 2,4-Dinitrotoluene	165		10.193					
157 1-Naphthylamine	143		10.280					
158 2,3,4,6-Tetrachlorophenol	232		10.348					
159 2-Naphthylamine	143		10.377					
160 Diethyl phthalate	149		10.482					
169 Diphenylamine	169		10.533					
163 Thionazin	97		10.574					
161 Fluorene	166		10.594					
162 4-Chlorophenyl phenyl ether	204		10.599					
165 N-Nitro-o-toluidine	152		10.617					
164 4-Nitroaniline	138		10.653					
166 4,6-Dinitro-2-methylphenol	198		10.679					
29 Tributyl phosphate	99		10.740					
167 N-Nitrosodiphenylamine	169		10.743					
168 1,2-Diphenylhydrazine	77		10.781					
170 Azobenzene	77		10.786					
171 Sulfotepp	322		10.943					
172 1,3,5-Trinitrobenzene	213		11.034					
173 Diallate	43		11.076					
174 Phorate	75		11.082					
175 Phenacetin	108		11.103					
176 4-Bromophenyl phenyl ether	248		11.149					
177 Hexachlorobenzene	284		11.213					
178 Dimethoate	87		11.263					
16 n-Octadecane	57		11.265					
180 Atrazine	200		11.347					
179 Simazine	201		11.355					
181 Pentachlorophenol	266		11.433					
182 4-Aminobiphenyl	169		11.434					
183 Pentachloronitrobenzene	237		11.461					
184 Pronamide	173		11.515					
187 Disulfoton	88		11.637					
186 Dinoseb	211		11.643					
185 Phenanthrene	178		11.652					
188 Anthracene	178		11.705					
189 Carbazole	167		11.881					
190 Methyl parathion	109		12.017					
191 Alachlor	160		12.027					
192 Di-n-butyl phthalate	149		12.218					
193 Ethyl Parathion	97		12.396					
194 4-Nitroquinoline-1-oxide	190		12.423					
62 Anthraquinone	180		12.471					
195 Methapyrilene	58		12.535					
196 Isodrin	193		12.690					
197 Fluoranthene	202		12.827					
37 1-Hydroxyanthraquinone	224		12.872					
198 Benzidine	184		12.955					
199 Pyrene	202		13.041					
200 Aramite, Total	185		13.213					
201 p-Dimethylamino azobenzene	120		13.293					

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ng/uL	Flags
34 1,4-Dihydroxyanthraquinone	240		13.299					
202 Chlorobenzilate	139		13.336					
204 Famphur	218		13.555					
205 Butyl benzyl phthalate	149		13.596					
203 3,3'-Dimethylbenzidine	212		13.601					
64 9-Octadecenamide	72		13.614					
206 Kepone	272		13.651					
207 2-Acetylaminofluorene	181		13.822					
210 Bis(2-ethylhexyl) phthalate	149		14.077					
208 3,3'-Dichlorobenzidine	252		14.082					
209 Benzo[a]anthracene	228		14.109					
211 Chrysene	228		14.146					
59 Tricresyl phosphate	91		14.552					1
212 Di-n-octyl phthalate	149		14.643					
215 7,12-Dimethylbenz(a)anthracene	256		15.062					
213 Benzo[b]fluoranthene	252		15.103					
214 Benzo[k]fluoranthene	252		15.135					
216 Hexachlorophene	196		15.227					
217 Benzo[a]pyrene	252		15.439					
218 3-Methylcholanthrene	252		15.756					
219 Indeno[1,2,3-cd]pyrene	276		16.759					
220 Dibenz(a,h)anthracene	278		16.764					
221 Benzo[g,h,i]perylene	276		17.122					
56 Benzeneacetic acid (TIC)	302		18.050					
24 Dibenzo[a,e]pyrene	302		19.327					
S 222 Total Cresols	1		0.000					
S 77 3 & 4 Methylphenol	108		6.497					
S 78 3-Methylphenol	1		6.497					
T 26 trans Azobenzene (TIC)	1		0.000					1
T 38 1-Methylnaphthalene (TIC)	142		0.000					1
T 28 Pendimethalin (TIC)	252		0.000					1
T 65 Benefin (TIC)	1		0.000					1
T 25 Prometryn (TIC)	1		0.000					1

QC Flag Legend

Processing Flags
1 - Missing Peaks

TestAmerica Laboratories
Tentatively Identified Quantitation Report

Data File:	\\Bufchrom\ChromData\HP5973V\20120411-10911.b\V8862.D		
Lims ID:	MB 480-58845/1-A	Client ID:	
Inject. Date:	11-Apr-2012 21:29:30	Dil. Factor:	1.0000
Sample Type:	MB		
Sample ID:	480-0010911-004		
Misc. Info.:	MB 480-58845/1-A		
Operator:	HL	Instrument ID:	HP5973V
Vol. Injected:	1.0000	ALS Bottle#:	27
Lims Batch ID:	59155	Lims Sample ID:	4
Detector:	MS SCAN		
Method:	\\Bufchrom\ChromData\HP5973V\20120411-10911.b\V-8270.m		
Last Update:	12-Apr-2012 10:11:16	Calib Date:	09-Apr-2012 16:15:30
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: lyh		Date:	12-Apr-2012 10:11:16

Tentative Identified Compound Results

RT	Response	Amount ng/uL	Quant Cpnd	Qual	Lib Entry	Flags
		Unknown				
2.239	447553	28.4	1			

Quantitation Compounds

Compound	RT	Response	Amount ng/uL
* 1 1,4-Dichlorobenzene-d4	6.010	630627	40.0

QC Flag Legend

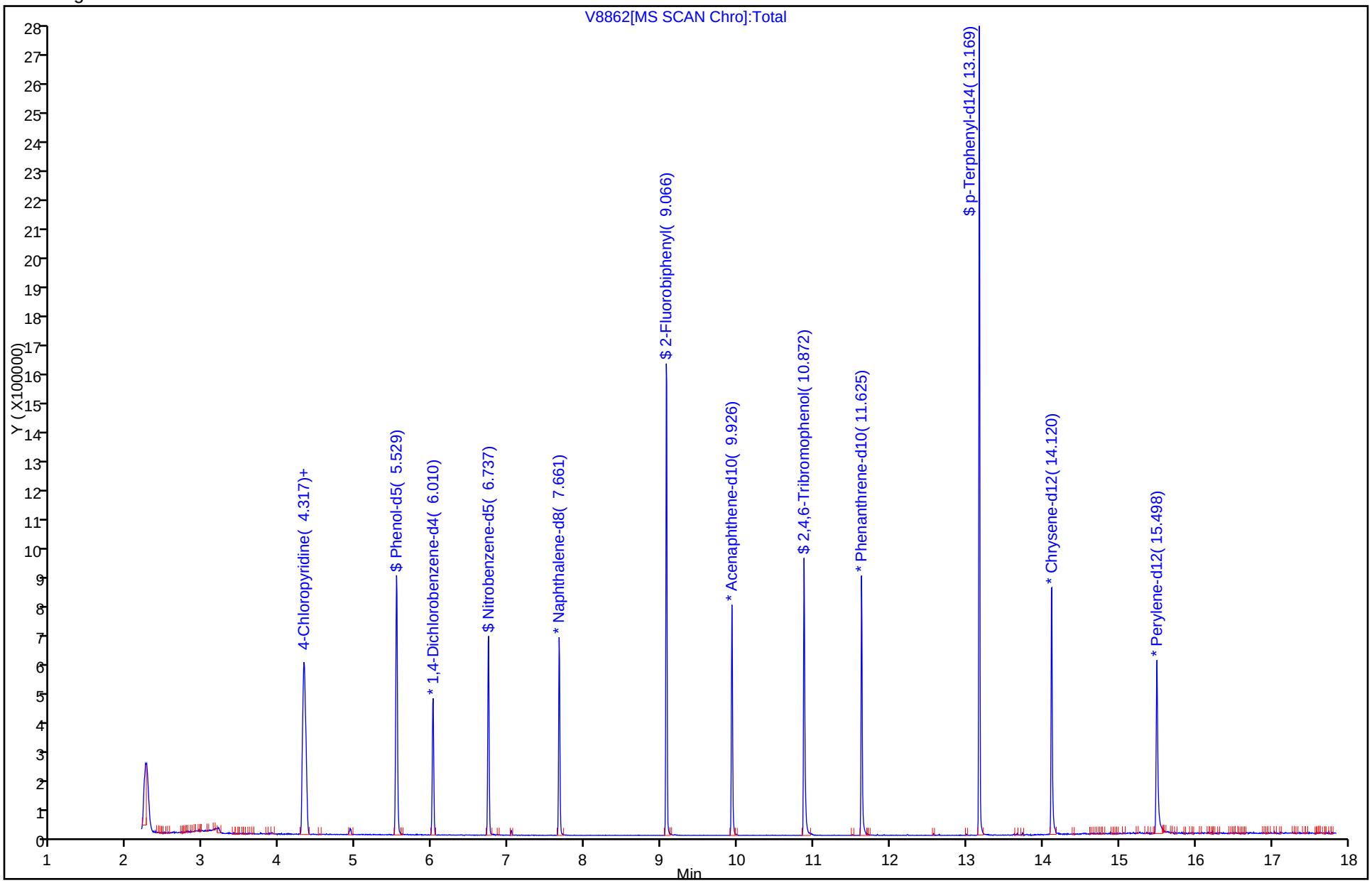
Processing Flags

Report Date: 12-Apr-2012 10:11:16 Chrom Revision: 2.0 20-Feb-2012 13:27:02

Data File: \\Bufchrom\ChromData\HP5973V\20120411-10911.b\V8862.D

Injection Date:	11-Apr-2012 21:29:30	Limit Group:	MB - 8270C ICAL
Client ID:		Instrument ID:	HP5973V
Lims Batch ID:	59155	Lims Sample ID:	4
Operator ID:	HL	Injection Vol:	1.00 ul
Column Type:	RXI-5Sil MS	Column Dia:	0.25 mm

Y Scaling:

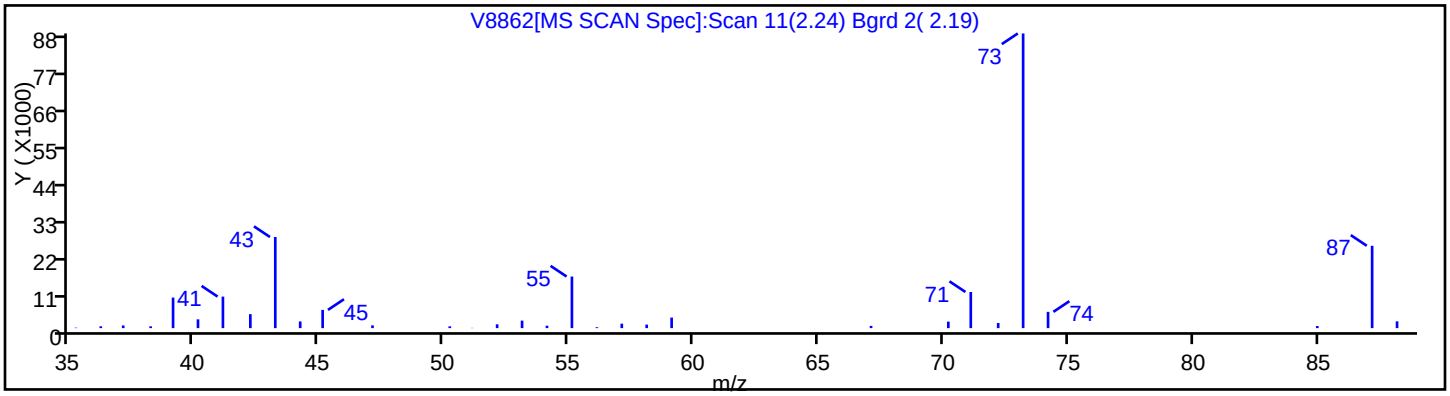


Report Date: 12-Apr-2012 10:11:16 Chrom Revision: 2.0 20-Feb-2012 13:27:02

Data File: \\Bufchrom\ChromData\HP5973V\20120411-10911.b\V8862.D

Injection Date:	11-Apr-2012 21:29:30	Limit Group:	MB - 8270C ICAL
Client ID:		Instrument ID:	HP5973V
Lims Batch ID:	59155	Lims Sample ID:	4
Operator ID:	HL	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.: 480-18292-1

SDG No.:

Client Sample ID: | Lab Sample ID: LCS 480-58845/2-A

Matrix: Solid | Lab File ID: V8863.D

Analysis Method: 8270C | Date Collected:

Extract. Method: 3550B | Date Extracted: 04/10/2012 07:39

Sample wt/vol: +30.60(g) | Date Analyzed: 04/11/2012 21:54

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.: 59155 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
95-95-4	2,4,5-Trichlorophenol	3420		170	36
88-06-2	2,4,6-Trichlorophenol	3500		170	11
120-83-2	2,4-Dichlorophenol	3390		170	8.7
105-67-9	2,4-Dimethylphenol	3310		170	45
51-28-5	2,4-Dinitrophenol	3250		320	58
121-14-2	2,4-Dinitrotoluene	3700		170	26
606-20-2	2,6-Dinitrotoluene	3580		170	40
91-58-7	2-Chloronaphthalene	3080		170	11
95-57-8	2-Chlorophenol	2600		170	8.4
91-57-6	2-Methylnaphthalene	3050		170	2.0
95-48-7	2-Methylphenol	2860		170	5.1
88-74-4	2-Nitroaniline	3380		320	53
88-75-5	2-Nitrophenol	3290		170	7.6
91-94-1	3,3'-Dichlorobenzidine	3230		170	150
99-09-2	3-Nitroaniline	3020		320	38
534-52-1	4,6-Dinitro-2-methylphenol	3380		320	57
101-55-3	4-Bromophenyl phenyl ether	3510		170	53
59-50-7	4-Chloro-3-methylphenol	3490		170	6.8
106-47-8	4-Chloroaniline	2860		170	49
7005-72-3	4-Chlorophenyl phenyl ether	3430		170	3.5
106-44-5	4-Methylphenol	6200		320	9.2
100-01-6	4-Nitroaniline	3500		320	18
100-02-7	4-Nitrophenol	3260		320	40
83-32-9	Acenaphthene	3210		170	1.9
208-96-8	Acenaphthylene	3190		170	1.4
98-86-2	Acetophenone	2810		170	8.5
120-12-7	Anthracene	3310		170	4.2
1912-24-9	Atrazine	3990		170	7.4
100-52-7	Benzaldehyde	2490		170	18
56-55-3	Benzo(a)anthracene	3470		170	2.9
50-32-8	Benzo(a)pyrene	3500		170	4.0
205-99-2	Benzo(b)fluoranthene	3460		170	3.2
191-24-2	Benzo(g,h,i)perylene	3340		170	2.0
207-08-9	Benzo(k)fluoranthene	3150		170	1.8

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Buffalo | Job No.: 480-18292-1

SDG No.:

Client Sample ID: | Lab Sample ID: LCS 480-58845/2-A

Matrix: Solid | Lab File ID: V8863.D

Analysis Method: 8270C | Date Collected:

Extract. Method: 3550B | Date Extracted: 04/10/2012 07:39

Sample wt/vol: +30.60(g) | Date Analyzed: 04/11/2012 21:54

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.: 59155 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
92-52-4	Biphenyl	3050		170	10
108-60-1	bis (2-chloroisopropyl) ether	2440		170	17
111-91-1	Bis(2-chloroethoxy)methane	3000		170	9.0
111-44-4	Bis(2-chloroethyl)ether	2440		170	14
117-81-7	Bis(2-ethylhexyl) phthalate	3680		170	53
85-68-7	Butyl benzyl phthalate	3460		170	44
105-60-2	Caprolactam	3520		170	72
86-74-8	Carbazole	3470		170	1.9
218-01-9	Chrysene	3250		170	1.7
53-70-3	Dibenz(a,h)anthracene	3530		170	1.9
132-64-9	Dibenzofuran	3260		170	1.7
84-66-2	Diethyl phthalate	3460		170	5.0
131-11-3	Dimethyl phthalate	3320		170	4.3
84-74-2	Di-n-butyl phthalate	3670		170	57
117-84-0	Di-n-octyl phthalate	3860		170	3.9
206-44-0	Fluoranthene	3540		170	2.4
86-73-7	Fluorene	3390		170	3.8
118-74-1	Hexachlorobenzene	3340		170	8.2
87-68-3	Hexachlorobutadiene	3010		170	8.5
77-47-4	Hexachlorocyclopentadiene	3260		170	50
67-72-1	Hexachloroethane	2460		170	13
193-39-5	Indeno(1,2,3-cd)pyrene	3760		170	4.6
78-59-1	Isophorone	3160		170	8.3
91-20-3	Naphthalene	2920		170	2.8
98-95-3	Nitrobenzene	3040		170	7.3
621-64-7	N-Nitrosodi-n-propylamine	3130		170	13
86-30-6	N-Nitrosodiphenylamine	3490		170	9.0
87-86-5	Pentachlorophenol	3240		320	57
85-01-8	Phenanthrene	3270		170	3.5
108-95-2	Phenol	2820		170	17
129-00-0	Pyrene	3420		170	1.1

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Buffalo | Job No.: 480-18292-1

SDG No.:

Client Sample ID: | Lab Sample ID: LCS 480-58845/2-A

Matrix: Solid | Lab File ID: V8863.D

Analysis Method: 8270C | Date Collected:

Extract. Method: 3550B | Date Extracted: 04/10/2012 07:39

Sample wt/vol: +30.60(g) | Date Analyzed: 04/11/2012 21:54

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.: 59155 | Units: ug/Kg

CAS NO.	SURROGATE	%REC	Q	LIMITS
118-79-6	2,4,6-Tribromophenol	115		39-146
321-60-8	2-Fluorobiphenyl	90		37-120
367-12-4	2-Fluorophenol	74		18-120
4165-60-0	Nitrobenzene-d5	91		34-132
4165-62-2	Phenol-d5	79		11-120
1718-51-0	p-Terphenyl-d14	112		65-153

TestAmerica Laboratories
Target Compound Quantitation Report

Data File: \\Bufchrom\ChromData\HP5973V\20120411-10911.b\V8863.D
Lims ID: LCS 480-58845/2-A Client ID:
Inject. Date: 11-Apr-2012 21:54:30 Dil. Factor: 1.0000
Sample Type: LCS
Sample ID: 480-0010911-005
Misc. Info.: LCS 480-58845/2-A
Operator: HL Instrument ID: HP5973V
Vol. Injected: 1.0000 ALS Bottle#: 28
Lims Batch ID: 59155 Lims Sample ID: 5
Detector: MS SCAN

Method: \\Bufchrom\ChromData\HP5973V\20120411-10911.b\V-8270.m
Last Update: 12-Apr-2012 10:15:42 Calib Date: 09-Apr-2012 16:15:30
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\Bufchrom\ChromData\HP5973V\20120409-10827.b\V8763.D
Limit Group: MB - 8270C ICAL
Integrator: RTE ID Type: Deconvolution ID
Process Host: CORP-CTX-19

First Level Reviewer: lyh Date: 12-Apr-2012 10:15:42

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ng/uL	Flags
* 1 1,4-Dichlorobenzene-d4	152	6.010	6.005	0.005	94	93227	40.0	
* 2 Naphthalene-d8	136	7.666	7.661	0.005	98	328667	40.0	
* 3 Acenaphthene-d10	164	9.931	9.926	0.005	90	227304	40.0	
* 4 Phenanthrene-d10	188	11.630	11.625	0.005	97	418802	40.0	
* 5 Chrysene-d12	240	14.125	14.120	0.005	96	431566	40.0	
* 6 Perylene-d12	264	15.498	15.498	0.0	99	433435	40.0	
$ 9 2-Fluorophenol	112	4.317	4.317	0.0	91	354409	110.6	
$ 10 Phenol-d5	99	5.540	5.535	0.005	96	505384	118.8	
$ 11 Nitrobenzene-d5	82	6.737	6.737	0.0	87	317887	91.1	
$ 12 2-Fluorobiphenyl	172	9.071	9.066	0.005	99	640890	89.7	
$ 13 2,4,6-Tribromophenol	330	10.882	10.877	0.005	92	144855	172.1	
$ 14 p-Terphenyl-d14	244	13.174	13.169	0.005	97	1052459	112.3	
80 1,4-Dioxane	88	2.479	2.447	0.032	91	74633	53.3	
81 N-Nitrosodimethylamine	42	2.751	2.751	0.0	77	144945	81.9	
82 Pyridine	52	2.815	2.826	-0.011	87	95205	55.4	M
88 Benzaldehyde	77	5.444	5.444	0.0	94	205989	76.1	
89 Phenol	94	5.556	5.551	0.005	96	374449	86.3	
90 Aniline	93	5.588	5.588	0.0	87	371034	69.2	
91 Bis(2-chloroethyl)ether	93	5.668	5.668	0.0	99	253314	74.8	
93 2-Chlorophenol	128	5.738	5.732	0.006	94	243061	79.5	
94 1,3-Dichlorobenzene	146	5.935	5.930	0.005	94	263843	73.8	
95 1,4-Dichlorobenzene	146	6.032	6.032	0.0	87	276118	75.4	
96 Benzyl alcohol	108	6.202	6.197	0.005	88	186212	87.5	
97 1,2-Dichlorobenzene	146	6.224	6.224	0.0	85	249760	72.9	
98 2-Methylphenol	108	6.347	6.341	0.006	95	257380	87.4	
99 2,2'-oxybis[1-chloropropane]	45	6.373	6.368	0.005	74	181228	74.6	
104 Acetophenone	105	6.544	6.539	0.005	94	407962	86.1	
101 N-Nitrosodi-n-propylamine	70	6.544	6.544	0.0	80	239992	95.7	
102 4-Methylphenol	108	6.560	6.550	0.010	91	566828	189.6	E
106 Hexachloroethane	117	6.662	6.662	0.0	90	101943	75.2	
107 Nitrobenzene	77	6.763	6.758	0.005	87	336979	92.9	

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ng/uL	Flags
110 Isophorone	82	7.079	7.073	0.006	99	605809	96.6	
111 2-Nitrophenol	139	7.175	7.175	0.0	92	141407	100.7	
112 2,4-Dimethylphenol	107	7.244	7.244	0.0	97	305320	101.4	
113 Tetraethyl lead	237	7.276	7.276	0.0	93	52325	44.5	
115 Bis(2-chloroethoxy)methane	93	7.367	7.362	0.005	98	317402	91.8	
119 Benzoic acid	105	7.447	7.479	-0.032	81	179047	115.0	
117 2,4-Dichlorophenol	162	7.490	7.490	0.0	95	238038	103.8	
120 1,2,4-Trichlorobenzene	180	7.591	7.591	0.0	93	245328	91.2	
121 Naphthalene	128	7.693	7.693	0.0	96	738080	89.3	
123 4-Chloroaniline	127	7.778	7.778	0.0	82	274930	87.5	
126 Hexachlorobutadiene	225	7.853	7.853	0.0	96	154205	92.2	
127 Caprolactam	113	8.286	8.222	0.064	78	84581	107.6	
131 4-Chloro-3-methylphenol	107	8.430	8.414	0.016	92	279007	106.8	
133 2-Methylnaphthalene	142	8.590	8.590	0.0	90	528723	93.2	
136 Hexachlorocyclopentadiene	237	8.788	8.788	0.0	95	203069	99.7	
139 2,4,6-Trichlorophenol	196	8.964	8.959	0.005	93	197595	107.1	
140 2,4,5-Trichlorophenol	196	9.012	9.012	0.0	93	211610	104.8	
144 1,1'-Biphenyl	154	9.199	9.194	0.005	95	725788	93.2	
143 2-Chloronaphthalene	162	9.221	9.215	0.006	97	544780	94.1	
146 1,4-Dinitrobenzene	168		9.329					
145 2-Nitroaniline	65	9.376	9.370	0.006	76	195150	103.5	
50 1,3-Dinitrobenzene	168	9.563	9.552	0.011	83	110564	0	
147 Dimethyl phthalate	163	9.621	9.605	0.016	96	707387	101.6	
148 2,6-Dinitrotoluene	165	9.691	9.686	0.005	71	166446	109.6	
149 Acenaphthylene	152	9.750	9.750	0.0	93	939565	97.7	
150 3-Nitroaniline	138	9.921	9.910	0.011	91	149828	92.4	
151 Acenaphthene	153	9.974	9.969	0.005	94	570904	98.1	
152 2,4-Dinitrophenol	184	10.049	10.044	0.005	77	93537	99.6	
153 4-Nitrophenol	109	10.156	10.150	0.006	89	105306	99.8	
155 Dibenzofuran	168	10.188	10.182	0.006	84	865856	99.7	
154 2,4-Dinitrotoluene	165	10.204	10.193	0.011	16	228321	113.3	
158 2,3,4,6-Tetrachlorophenol	232	10.348	10.348	0.0	74	193865	119.1	
160 Diethyl phthalate	149	10.487	10.482	0.005	96	749827	105.8	
161 Fluorene	166	10.599	10.594	0.005	82	781361	103.7	
162 4-Chlorophenyl phenyl ether	204	10.599	10.599	0.0	93	405857	104.9	
164 4-Nitroaniline	138	10.669	10.653	0.016	74	167690	107.1	
166 4,6-Dinitro-2-methylphenol	198	10.685	10.679	0.006	75	153383	103.4	
167 N-Nitrosodiphenylamine	169	10.749	10.743	0.006	59	563670	106.8	
168 1,2-Diphenylhydrazine	77	10.786	10.781	0.005	98	844061	99.7	
176 4-Bromophenyl phenyl ether	248	11.155	11.149	0.006	65	241401	107.4	
177 Hexachlorobenzene	284	11.213	11.213	0.0	91	227312	102.2	
180 Atrazine	200	11.352	11.347	0.005	93	238943	122.1	
181 Pentachlorophenol	266	11.438	11.433	0.006	87	126678	99.0	
185 Phenanthrene	178	11.657	11.652	0.005	97	1130159	100.1	
188 Anthracene	178	11.710	11.705	0.005	96	1156774	101.3	
189 Carbazole	167	11.887	11.881	0.006	83	1012465	106.1	
192 Di-n-butyl phthalate	149	12.218	12.218	0.0	100	1282731	112.3	
197 Fluoranthene	202	12.827	12.827	0.0	96	1336199	108.4	
198 Benzidine	184	12.955	12.955	0.0	98	392585	78.1	
199 Pyrene	202	13.041	13.041	0.0	99	1326839	104.7	
205 Butyl benzyl phthalate	149	13.601	13.596	0.005	97	583306	105.8	
210 Bis(2-ethylhexyl) phthalate	149	14.082	14.077	0.005	95	850322	112.6	

	Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ng/uL	Flags
208	3,3'-Dichlorobenzidine	252	14.082	14.082	0.0	59	450879	98.8	
209	Benzo[a]anthracene	228	14.114	14.109	0.005	96	1277439	106.3	
211	Chrysene	228	14.146	14.146	0.0	93	1217731	99.4	
212	Di-n-octyl phthalate	149	14.643	14.643	0.0	100	1342415	118.2	
213	Benzo[b]fluoranthene	252	15.108	15.103	0.005	92	1308329	105.8	
214	Benzo[k]fluoranthene	252	15.140	15.135	0.005	97	1366427	96.3	
217	Benzo[a]pyrene	252	15.450	15.439	0.011	71	1156200	107.0	
219	Indeno[1,2,3-cd]pyrene	276	16.780	16.759	0.021	94	1335441	115.1	
220	Dibenz(a,h)anthracene	278	16.780	16.764	0.016	59	1191011	107.9	
221	Benzo[g,h,i]perylene	276	17.133	17.122	0.011	92	983274	102.1	
S 78	3-Methylphenol	1				0		189.6	

QC Flag Legend

Processing Flags
E - Exceeded Maximum Amount

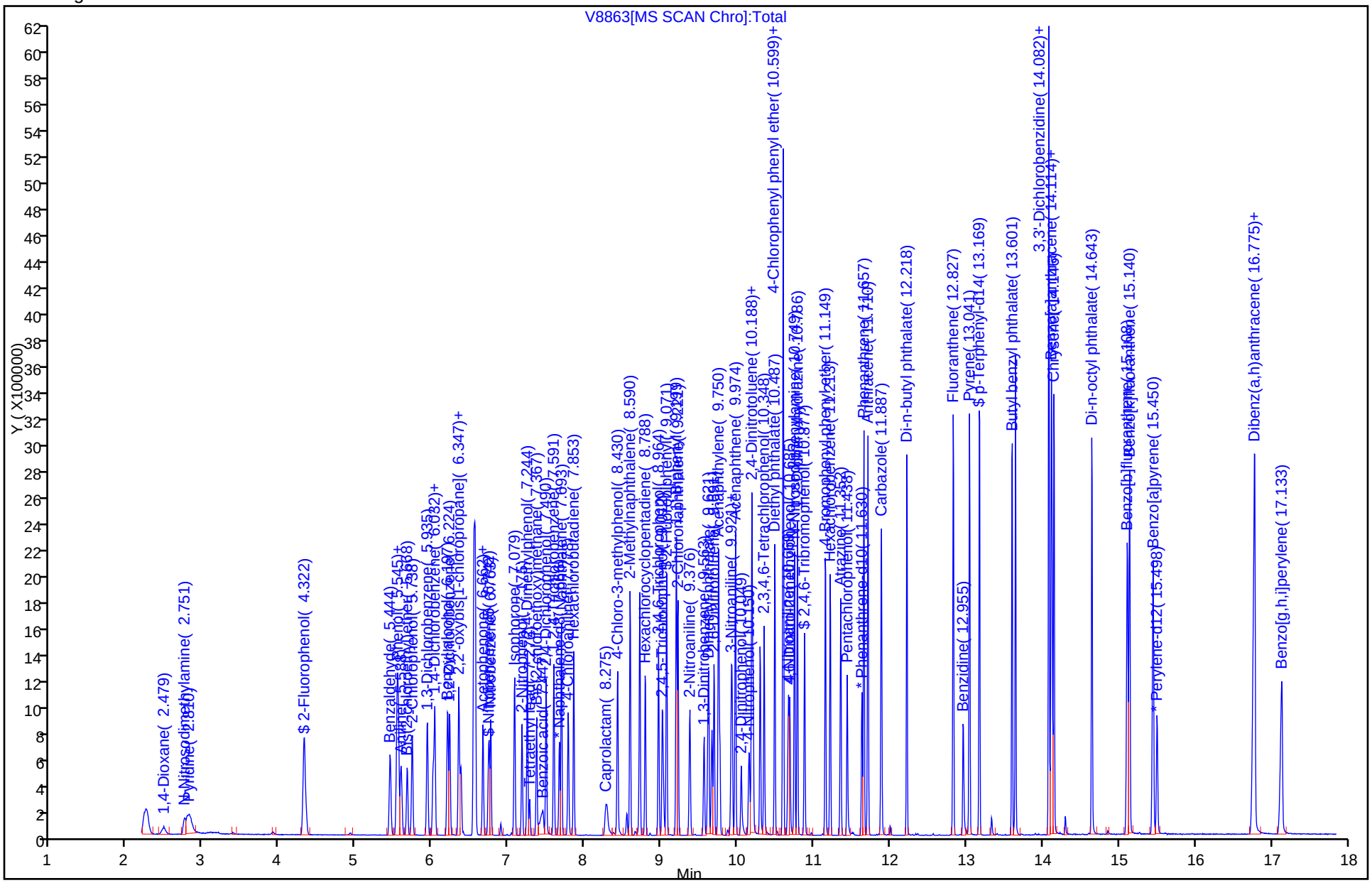
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M - Manually Integrated

Report Date: 12-Apr-2012 10:15:43 Chrom Revision: 2.0 20-Feb-2012 13:27:02

Data File: \\Bufchrom\ChromData\HP5973V\20120411-10911.b\V8863.D

Injection Date:	11-Apr-2012 21:54:30	Limit Group:	MB - 8270C ICAL
Client ID:		Instrument ID:	HP5973V
Lims Batch ID:	59155	Lims Sample ID:	5
Operator ID:	HL	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.: 480-18292-1

SDG No.:

Client Sample ID: RB-01 (0-6") MS | Lab Sample ID: 480-18292-5 MS

Matrix: Solid | Lab File ID: V8864.D

Analysis Method: 8270C | Date Collected: 04/05/2012 15:45

Extract. Method: 3550B | Date Extracted: 04/10/2012 07:39

Sample wt/vol: +30.08(g) | Date Analyzed: 04/11/2012 22:18

Con. Extract Vol.: 1(mL) | Dilution Factor: 20

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

% Moisture: 10.7 | GPC Cleanup:(Y/N) N

Analysis Batch No.: 59155 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
95-95-4	2,4,5-Trichlorophenol	4140		3800	820
88-06-2	2,4,6-Trichlorophenol	2940	J	3800	250
120-83-2	2,4-Dichlorophenol	2030	J	3800	200
105-67-9	2,4-Dimethylphenol	3120	J	3800	1000
51-28-5	2,4-Dinitrophenol	ND		7400	1300
121-14-2	2,4-Dinitrotoluene	2760	J	3800	580
606-20-2	2,6-Dinitrotoluene	4590		3800	920
91-58-7	2-Chloronaphthalene	3190	J	3800	250
95-57-8	2-Chlorophenol	3100	J	3800	190
91-57-6	2-Methylnaphthalene	3280	J	3800	46
95-48-7	2-Methylphenol	2710	J	3800	120
88-74-4	2-Nitroaniline	3750	J	7400	1200
88-75-5	2-Nitrophenol	2970	J	3800	170
91-94-1	3,3'-Dichlorobenzidine	4420		3800	3300
99-09-2	3-Nitroaniline	ND		7400	870
534-52-1	4,6-Dinitro-2-methylphenol	4900	J	7400	1300
101-55-3	4-Bromophenyl phenyl ether	3720	J	3800	1200
59-50-7	4-Chloro-3-methylphenol	3830		3800	160
106-47-8	4-Chloroaniline	1620	J	3800	1100
7005-72-3	4-Chlorophenyl phenyl ether	3260	J	3800	80
106-44-5	4-Methylphenol	5580	J	7400	210
100-01-6	4-Nitroaniline	ND		7400	420
100-02-7	4-Nitrophenol	ND		7400	910
83-32-9	Acenaphthene	3030	J	3800	44
208-96-8	Acenaphthylene	3360	J	3800	31
98-86-2	Acetophenone	2960	J	3800	190
120-12-7	Anthracene	3600	J	3800	97
1912-24-9	Atrazine	3570	J	3800	170
100-52-7	Benzaldehyde	2700	J	3800	410
56-55-3	Benzo(a)anthracene	4860		3800	65
50-32-8	Benzo(a)pyrene	4970		3800	91
205-99-2	Benzo(b)fluoranthene	5480		3800	73
191-24-2	Benzo(g,h,i)perylene	5260		3800	45
207-08-9	Benzo(k)fluoranthene	3950		3800	42

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Buffalo | Job No.: 480-18292-1

SDG No.:

Client Sample ID: RB-01 (0-6") MS | Lab Sample ID: 480-18292-5 MS

Matrix: Solid | Lab File ID: V8864.D

Analysis Method: 8270C | Date Collected: 04/05/2012 15:45

Extract. Method: 3550B | Date Extracted: 04/10/2012 07:39

Sample wt/vol: +30.08(g) | Date Analyzed: 04/11/2012 22:18

Con. Extract Vol.: 1(mL) | Dilution Factor: 20

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

% Moisture: 10.7 | GPC Cleanup:(Y/N) N

Analysis Batch No.: 59155 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
92-52-4	Biphenyl	3170	J	3800	230
108-60-1	bis (2-chloroisopropyl) ether	2770	J	3800	390
111-91-1	Bis(2-chloroethoxy)methane	3060	J	3800	210
111-44-4	Bis(2-chloroethyl)ether	2850	J	3800	330
117-81-7	Bis(2-ethylhexyl) phthalate	4740		3800	1200
85-68-7	Butyl benzyl phthalate	4710		3800	1000
105-60-2	Caprolactam	3390	J	3800	1600
86-74-8	Carbazole	3550	J	3800	44
218-01-9	Chrysene	4660		3800	38
53-70-3	Dibenz(a,h)anthracene	5670		3800	44
132-64-9	Dibenzofuran	3220	J	3800	39
84-66-2	Diethyl phthalate	3330	J	3800	110
131-11-3	Dimethyl phthalate	3350	J	3800	98
84-74-2	Di-n-butyl phthalate	3750	J	3800	1300
117-84-0	Di-n-octyl phthalate	4820		3800	88
206-44-0	Fluoranthene	4600		3800	55
86-73-7	Fluorene	3020	J	3800	87
118-74-1	Hexachlorobenzene	3520	J	3800	190
87-68-3	Hexachlorobutadiene	3660	J	3800	190
77-47-4	Hexachlorocyclopentadiene	3390	J	3800	1100
67-72-1	Hexachloroethane	2620	J	3800	290
193-39-5	Indeno(1,2,3-cd)pyrene	5200		3800	100
78-59-1	Isophorone	3040	J	3800	190
91-20-3	Naphthalene	3320	J	3800	63
98-95-3	Nitrobenzene	3370	J	3800	170
621-64-7	N-Nitrosodi-n-propylamine	3050	J	3800	300
86-30-6	N-Nitrosodiphenylamine	3190	J	3800	210
87-86-5	Pentachlorophenol	6340	J	7400	1300
85-01-8	Phenanthrene	3960		3800	79
108-95-2	Phenol	2520	J	3800	400
129-00-0	Pyrene	4490		3800	24

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Buffalo | Job No.: 480-18292-1

SDG No.:

Client Sample ID: RB-01 (0-6") MS | Lab Sample ID: 480-18292-5 MS

Matrix: Solid | Lab File ID: V8864.D

Analysis Method: 8270C | Date Collected: 04/05/2012 15:45

Extract. Method: 3550B | Date Extracted: 04/10/2012 07:39

Sample wt/vol: +30.08(g) | Date Analyzed: 04/11/2012 22:18

Con. Extract Vol.: 1(mL) | Dilution Factor: 20

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

% Moisture: 10.7 | GPC Cleanup:(Y/N) N

Analysis Batch No.: 59155 | Units: ug/Kg

CAS NO.	SURROGATE	%REC	Q	LIMITS
118-79-6	2,4,6-Tribromophenol	97		39-146
321-60-8	2-Fluorobiphenyl	85		37-120
367-12-4	2-Fluorophenol	75		18-120
4165-60-0	Nitrobenzene-d5	87		34-132
4165-62-2	Phenol-d5	68		11-120
1718-51-0	p-Terphenyl-d14	97		65-153

TestAmerica Laboratories
Target Compound Quantitation Report

Data File:	\\Bufchrom\ChromData\HP5973V\20120411-10911.b\V8864.D		
Lims ID:	480-18292-B-5-A MS	Client ID:	RB-01 (0-6")
Inject. Date:	11-Apr-2012 22:18:30	Dil. Factor:	20.0000
Sample Type:	MS		
Sample ID:	480-0010911-006		
Misc. Info.:	480-18292-B-5-A MS		
Operator:	HL	Instrument ID:	HP5973V
Vol. Injected:	1.0000	ALS Bottle#:	29
Lims Batch ID:	59155	Lims Sample ID:	6
Detector:	MS SCAN		
Method:	\\Bufchrom\ChromData\HP5973V\20120411-10911.b\V-8270.m		
Last Update:	12-Apr-2012 10:15:42	Calib Date:	09-Apr-2012 16:15:30
Quant Method:	Internal Standard	Quant By:	Initial Calibration
Last ICal File:	\\Bufchrom\ChromData\HP5973V\20120409-10827.b\V8763.D		
Limit Group:	MB - 8270C ICAL		
Integrator:	RTE	ID Type:	Deconvolution ID
Process Host:	CORP-CTX-19		
First Level Reviewer: lyh		Date:	12-Apr-2012 10:22:01

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ng/uL	Flags
* 1 1,4-Dichlorobenzene-d4	152	6.005	6.005	0.0	95	94802	40.0	
* 2 Naphthalene-d8	136	7.661	7.661	0.0	99	332469	40.0	
* 3 Acenaphthene-d10	164	9.926	9.926	0.0	90	214115	40.0	
* 4 Phenanthrene-d10	188	11.625	11.625	0.0	97	363967	40.0	
* 5 Chrysene-d12	240	14.114	14.120	-0.006	96	377060	40.0	
* 6 Perylene-d12	264	15.493	15.498	-0.005	99	386042	40.0	
$ 9 2-Fluorophenol	112	4.327	4.327	0.010	33	18418	5.65	M
$ 10 Phenol-d5	99	5.529	5.535	-0.006	68	22191	5.13	
$ 11 Nitrobenzene-d5	82	6.731	6.737	-0.006	52	15335	4.35	
$ 12 2-Fluorobiphenyl	172	9.066	9.066	0.0	83	28489	4.23	
$ 13 2,4,6-Tribromophenol	330	10.882	10.882	0.005	4	5329	7.29	
$ 14 p-Terphenyl-d14	244	13.169	13.169	0.0	76	39847	4.87	
88 Benzaldehyde	77	5.444	5.444	0.0	76	9988	3.63	
89 Phenol	94	5.551	5.551	0.0	71	14910	3.38	
91 Bis(2-chloroethyl)ether	93	5.663	5.668	-0.005	60	13193	3.83	
93 2-Chlorophenol	128	5.738	5.738	0.006	1	12969	4.17	M
98 2-Methylphenol	108	6.347	6.341	0.006	70	10921	3.64	
99 2,2'-oxybis[1-chloropropane]	45	6.368	6.368	0.0	44	9180	3.72	
104 Acetophenone	105	6.539	6.539	0.0	80	19191	3.98	
101 N-Nitrosodi-n-propylamine	70	6.539	6.544	-0.005	65	10440	4.09	
102 4-Methylphenol	108	6.550	6.550	0.0	86	22812	7.50	
106 Hexachloroethane	117	6.657	6.662	-0.005	71	4850	3.52	
107 Nitrobenzene	77	6.758	6.758	0.0	74	16568	4.52	
110 Isophorone	82	7.073	7.073	0.0	84	25891	4.08	
111 2-Nitrophenol	139	7.175	7.175	0.0	57	5668	3.99	
112 2,4-Dimethylphenol	107	7.250	7.244	0.006	63	12767	4.19	
115 Bis(2-chloroethoxy)methane	93	7.362	7.362	0.0	71	14377	4.11	
117 2,4-Dichlorophenol	162	7.511	7.511	0.021	15	6322	2.72	
121 Naphthalene	128	7.688	7.693	-0.005	89	37327	4.46	
123 4-Chloroaniline	127	7.800	7.800	0.022	13	6920	2.18	
126 Hexachlorobutadiene	225	7.853	7.853	0.0	64	8318	4.91	

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ng/uL	Flags
127 Caprolactam	113	8.249	8.249	0.027	24	1465	4.55	
131 4-Chloro-3-methylphenol	107	8.436	8.414	0.022	51	9645	5.14	
133 2-Methylnaphthalene	142	8.590	8.590	0.0	84	25254	4.40	
136 Hexachlorocyclopentadiene	237	8.793	8.793	0.005	1	4538	4.55	
139 2,4,6-Trichlorophenol	196	8.970	8.970	0.011	21	6869	3.95	
140 2,4,5-Trichlorophenol	196	9.050	9.050	0.038	1	7161	5.56	M
144 1,1'-Biphenyl	154	9.194	9.194	0.0	86	31295	4.26	
143 2-Chloronaphthalene	162	9.216	9.215	0.001	71	23417	4.29	
145 2-Nitroaniline	65	9.392	9.392	0.022	1	4530	5.03	
147 Dimethyl phthalate	163	9.606	9.605	0.001	86	29507	4.50	
148 2,6-Dinitrotoluene	165	9.686	9.686	0.0	29	6197	6.16	
149 Acenaphthylene	152	9.744	9.750	-0.006	83	40858	4.51	
150 3-Nitroaniline	138		9.910					M
151 Acenaphthene	153	9.969	9.969	0.0	86	22341	4.07	
152 2,4-Dinitrophenol	184		10.044					
153 4-Nitrophenol	109		10.150					
155 Dibenzofuran	168	10.182	10.182	0.0	70	35321	4.32	
154 2,4-Dinitrotoluene	165	10.204	10.204	0.011	1	7020	3.70	
160 Diethyl phthalate	149	10.476	10.482	-0.006	89	29829	4.47	
161 Fluorene	166	10.594	10.594	0.0	88	28776	4.05	
162 4-Chlorophenyl phenyl ether	204	10.599	10.599	0.0	66	15956	4.38	
164 4-Nitroaniline	138		10.653					
166 4,6-Dinitro-2-methylphenol	198	10.690	10.690	0.011	1	1242	6.58	
167 N-Nitrosodiphenylamine	169	10.743	10.743	0.0	41	19674	4.29	
176 4-Bromophenyl phenyl ether	248	11.149	11.149	0.0	45	9757	5.00	
177 Hexachlorobenzene	284	11.214	11.213	0.001	72	9146	4.73	
180 Atrazine	200	11.342	11.347	-0.005	50	8848	4.80	
181 Pentachlorophenol	266	11.459	11.459	0.027	1	1890	8.51	
185 Phenanthrene	178	11.652	11.652	0.0	90	52225	5.32	
188 Anthracene	178	11.710	11.705	0.005	88	47971	4.84	
189 Carbazole	167	11.887	11.881	0.006	71	39552	4.77	
192 Di-n-butyl phthalate	149	12.218	12.218	0.0	95	50060	5.04	
197 Fluoranthene	202	12.827	12.827	0.0	93	66168	6.18	
199 Pyrene	202	13.041	13.041	0.0	98	66736	6.03	
205 Butyl benzyl phthalate	149	13.596	13.596	0.0	88	20417	6.32	
210 Bis(2-ethylhexyl) phthalate	149	14.077	14.077	0.0	90	28224	6.37	
208 3,3'-Dichlorobenzidine	252	14.082	14.082	0.0	1	13241	5.93	
209 Benzo[a]anthracene	228	14.109	14.109	0.0	89	68636	6.53	
211 Chrysene	228	14.136	14.146	-0.010	89	67048	6.26	
212 Di-n-octyl phthalate	149	14.638	14.643	-0.005	93	44061	6.47	
213 Benzo[b]fluoranthene	252	15.097	15.103	-0.006	80	81098	7.36	
214 Benzo[k]fluoranthene	252	15.124	15.135	-0.011	85	66970	5.30	
217 Benzo[a]pyrene	252	15.434	15.439	-0.005	54	64345	6.68	
219 Indeno[1,2,3-cd]pyrene	276	16.748	16.759	-0.011	91	72179	6.99	
220 Dibenz(a,h)anthracene	278	16.753	16.764	-0.011	33	47035	7.62	
221 Benzo[g,h,i]perylene	276	17.106	17.122	-0.016	77	60548	7.06	

QC Flag Legend

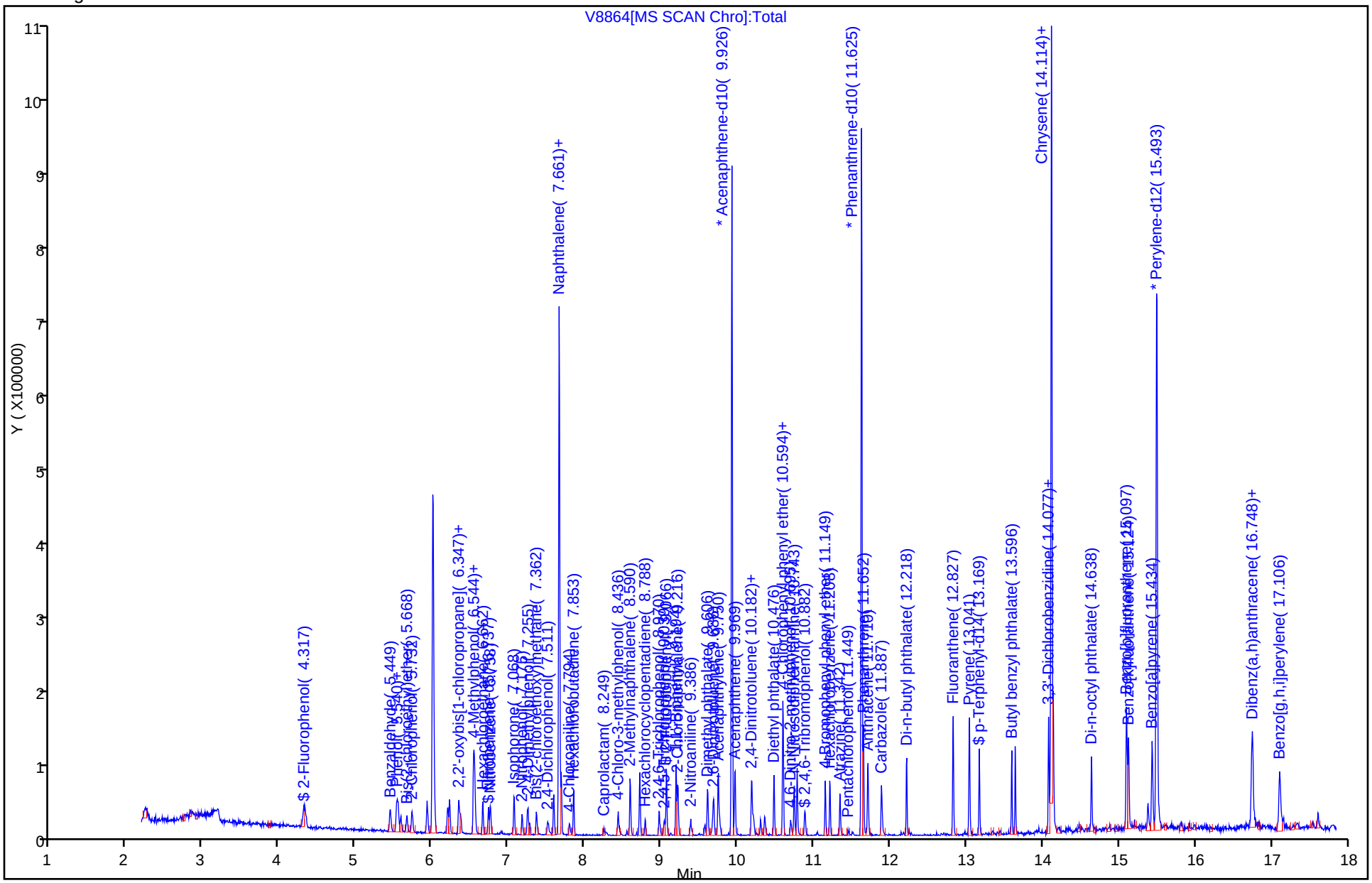
Review Flags
M - Manually Integrated

Report Date: 12-Apr-2012 10:22:01 Chrom Revision: 2.0 20-Feb-2012 13:27:02

Data File: \\Bufchrom\ChromData\HP5973V\20120411-10911.b\V8864.D

Injection Date:	11-Apr-2012 22:18:30	Limit Group:	MB - 8270C ICAL
Client ID:	RB-01 (0-6")	Instrument ID:	HP5973V
Lims Batch ID:	59155	Lims Sample ID:	6
Operator ID:	HL	Injection Vol:	1.00 ul
Column Type:	RXI-5Sil MS	Column Dia:	0.25 mm

Y Scaling:



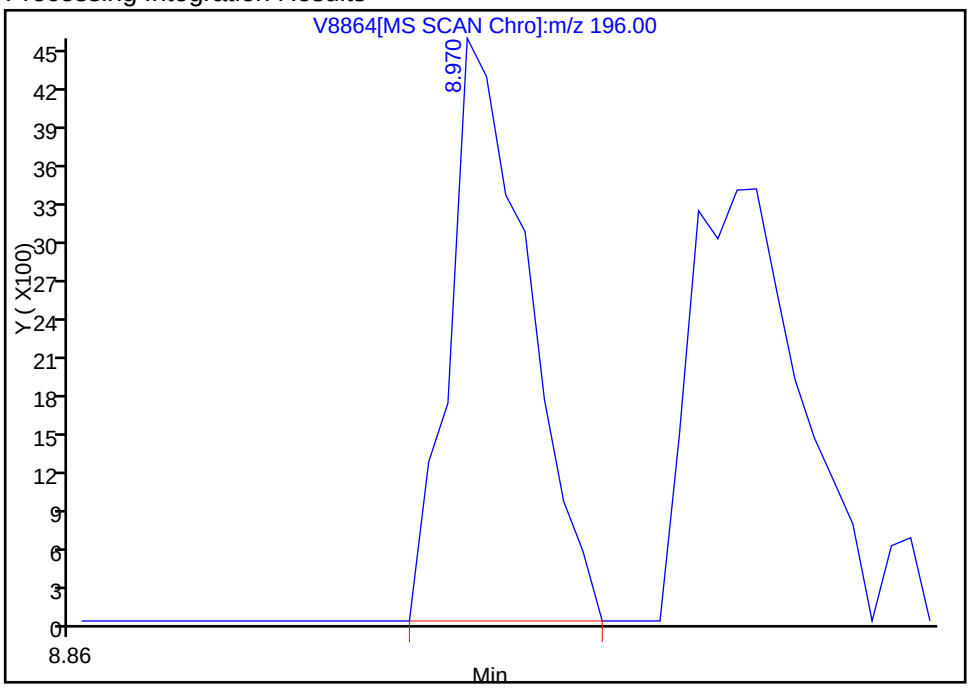
Manual Integration/User Assign Peak Report

Data File:	\\Bufchrom\ChromData\HP5973V\20120411-10911.b\V8864.D		
Injection Date:	11-Apr-2012 22:18:30	Limit Group:	MB - 8270C ICAL
Client ID:	RB-01 (0-6")	Instrument ID:	HP5973V
Lims Batch ID:	59155	Lims Sample ID:	6
Operator ID:	HL	Injection Vol:	1.00 ul
Column Type:	RXI-5Sil MS	Column Dia:	0.25 mm

140 2,4,5-Trichlorophenol, Signal: 1, m/z: 196.0 Type: quant, RT: 9.01

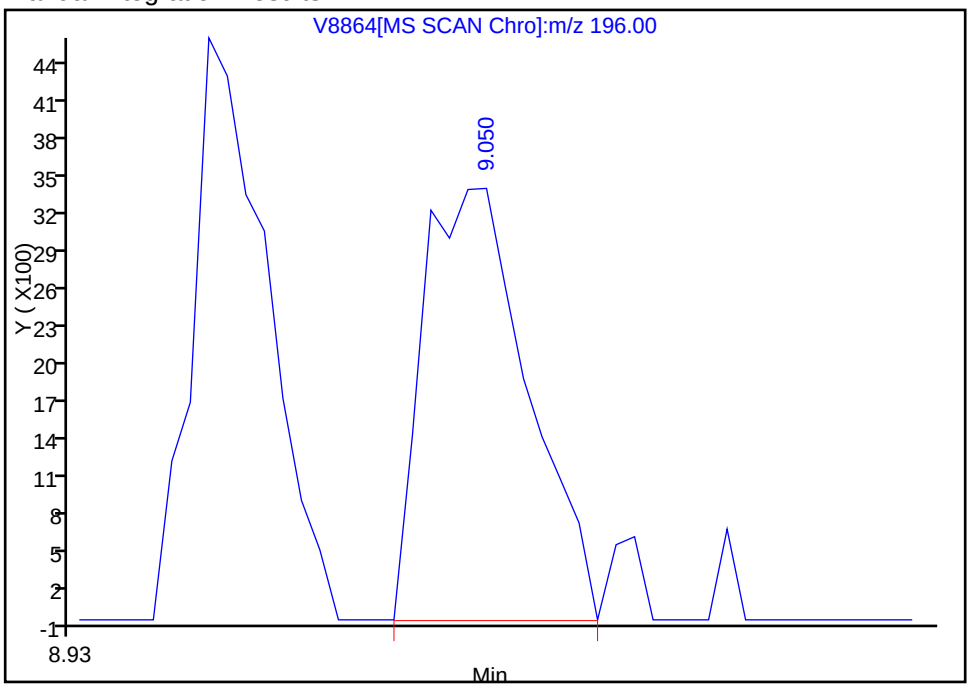
Processing Integration Results

RT: 8.97
Response: 6869
Amount: 5.408854



Manual Integration Results

RT: 9.05
Response: 7161
Amount: 5.559608



Reviewer: lyh, 12-Apr-2012 10:22:01
Audit Action: Manually Integrated
Audit Reason: Assign Peak

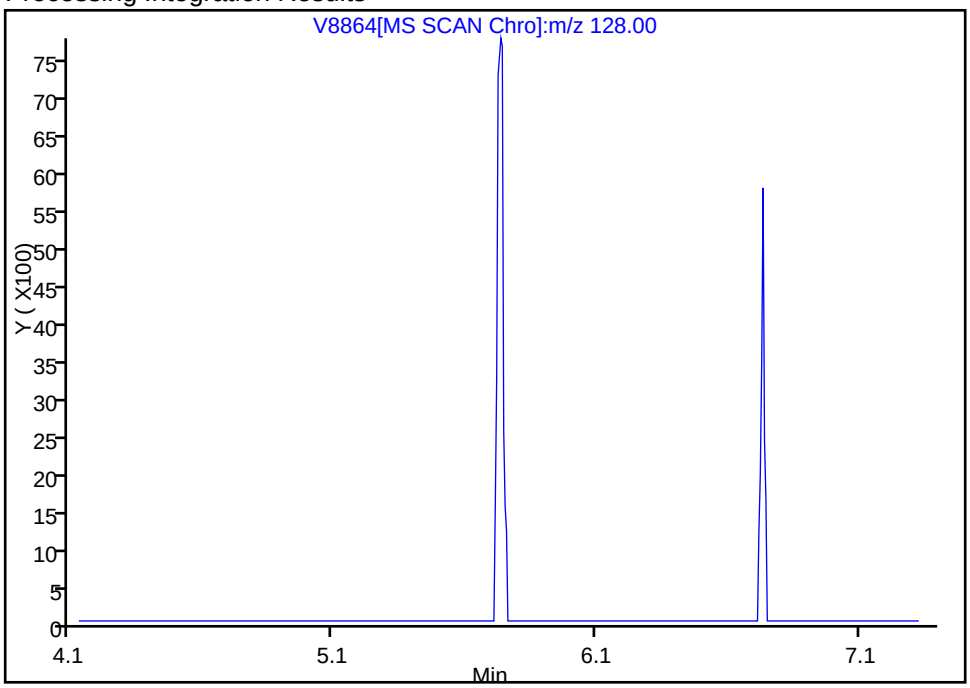
Manual Integration/User Assign Peak Report

Data File:	\\Bufchrom\ChromData\HP5973V\20120411-10911.b\V8864.D		
Injection Date:	11-Apr-2012 22:18:30	Limit Group:	MB - 8270C ICAL
Client ID:	RB-01 (0-6")	Instrument ID:	HP5973V
Lims Batch ID:	59155	Lims Sample ID:	6
Operator ID:	HL	Injection Vol:	1.00 ul
Column Type:	RXI-5Sil MS	Column Dia:	0.25 mm

93 2-Chlorophenol, Signal: 1, m/z: 128.0 Type: quant, RT: 5.73

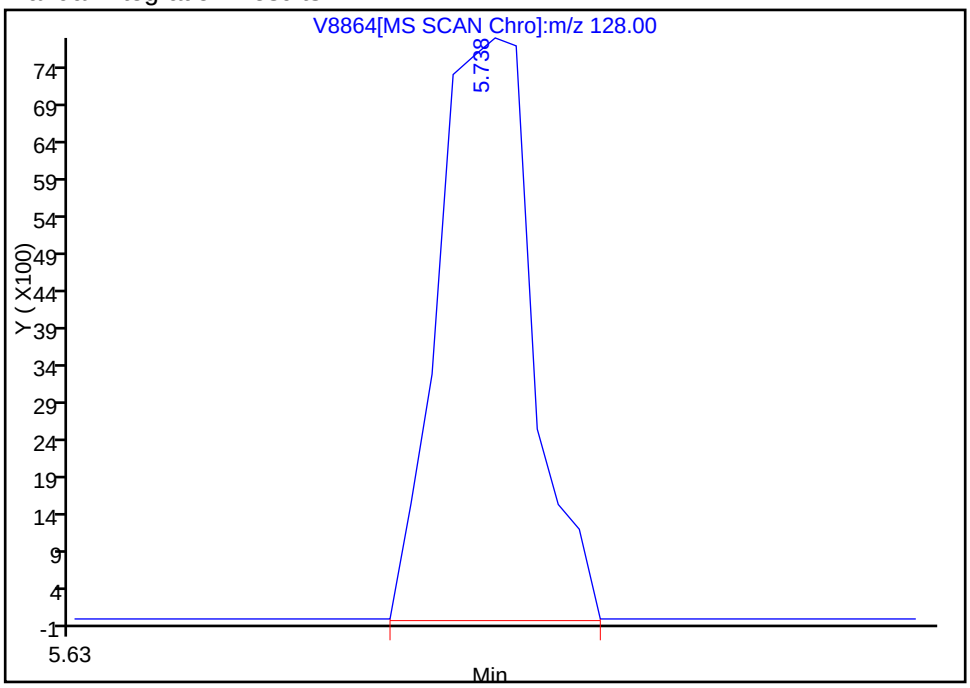
Not Detected
Expected RT: 5.73

Processing Integration Results



Manual Integration Results

RT: 5.74
Response: 12969
Amount: 4.170742



Reviewer: lyh, 12-Apr-2012 10:22:01
Audit Action: Manually Integrated
Audit Reason: Assign Peak

Report Date: 12-Apr-2012 10:22:01 Chrom Revision: 2.0 20-Feb-2012 13:27:02

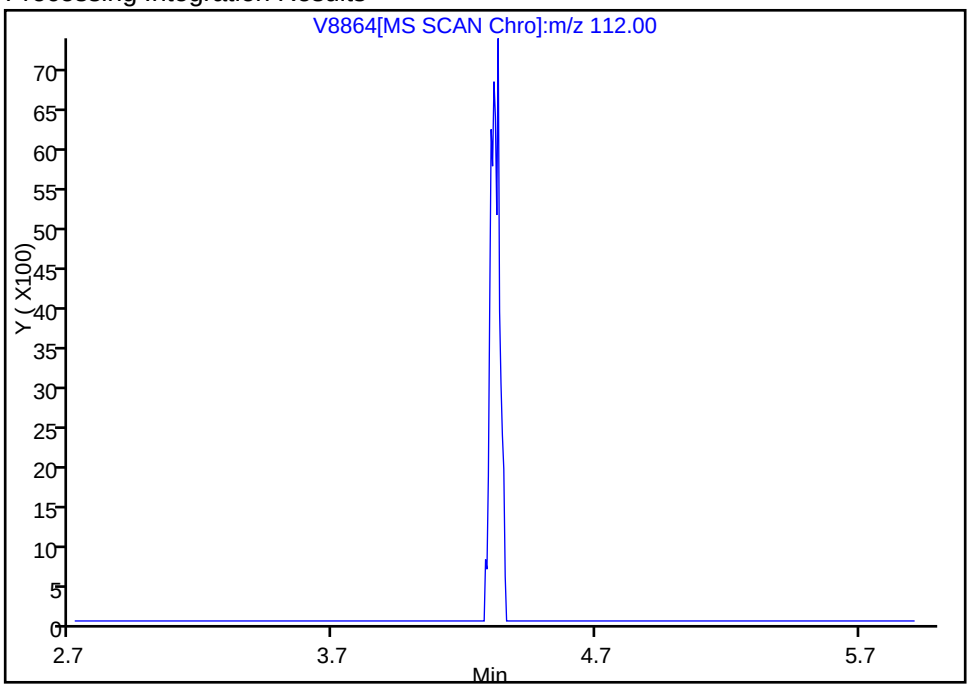
Manual Integration/User Assign Peak Report

Data File:	\\Bufchrom\ChromData\HP5973V\20120411-10911.b\V8864.D		
Injection Date:	11-Apr-2012 22:18:30	Limit Group:	MB - 8270C ICAL
Client ID:	RB-01 (0-6")	Instrument ID:	HP5973V
Lims Batch ID:	59155	Lims Sample ID:	6
Operator ID:	HL	Injection Vol:	1.00 ul
Column Type:	RXI-5Sil MS	Column Dia:	0.25 mm

$ 9 2-Fluorophenol, Signal: 1, m/z: 112.0 Type: quant, RT: 4.32

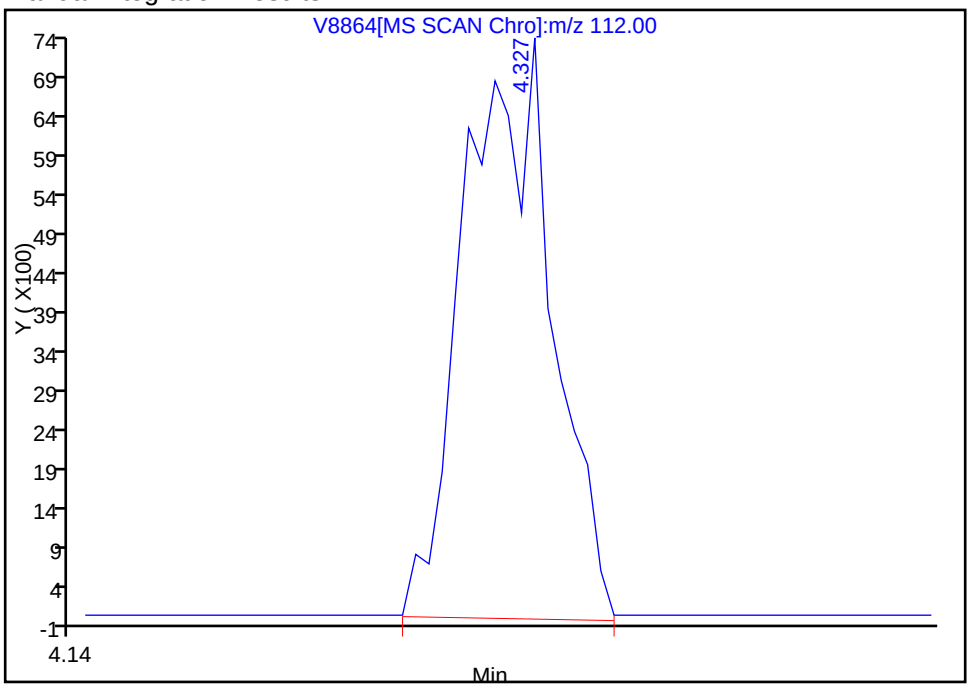
Not Detected
Expected RT: 4.32

Processing Integration Results



Manual Integration Results

RT: 4.33
Response: 18418
Amount: 5.651296



Reviewer: lyh, 12-Apr-2012 10:22:01
Audit Action: Manually Integrated
Audit Reason: Assign Peak

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Buffalo | Job No.: 480-18292-1

SDG No.:

Client Sample ID: RB-01 (0-6") MSD | Lab Sample ID: 480-18292-5 MSD

Matrix: Solid | Lab File ID: V8865.D

Analysis Method: 8270C | Date Collected: 04/05/2012 15:45

Extract. Method: 3550B | Date Extracted: 04/10/2012 07:39

Sample wt/vol: +30.73(g) | Date Analyzed: 04/11/2012 22:41

Con. Extract Vol.: 1(mL) | Dilution Factor: 20

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

% Moisture: 10.7 | GPC Cleanup:(Y/N) N

Analysis Batch No.: 59155 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
95-95-4	2,4,5-Trichlorophenol	4290		3700	800
88-06-2	2,4,6-Trichlorophenol	3110	J	3700	240
120-83-2	2,4-Dichlorophenol	2410	J	3700	190
105-67-9	2,4-Dimethylphenol	3330	J	3700	1000
51-28-5	2,4-Dinitrophenol	ND		7200	1300
121-14-2	2,4-Dinitrotoluene	2490	J	3700	570
606-20-2	2,6-Dinitrotoluene	4810		3700	900
91-58-7	2-Chloronaphthalene	3670	J	3700	250
95-57-8	2-Chlorophenol	3050	J	3700	190
91-57-6	2-Methylnaphthalene	3320	J	3700	45
95-48-7	2-Methylphenol	2790	J	3700	110
88-74-4	2-Nitroaniline	4310	J	7200	1200
88-75-5	2-Nitrophenol	3250	J	3700	170
91-94-1	3,3'-Dichlorobenzidine	4370		3700	3200
99-09-2	3-Nitroaniline	ND		7200	850
534-52-1	4,6-Dinitro-2-methylphenol	5520	J	7200	1300
101-55-3	4-Bromophenyl phenyl ether	3660	J	3700	1200
59-50-7	4-Chloro-3-methylphenol	3830		3700	150
106-47-8	4-Chloroaniline	1670	J	3700	1100
7005-72-3	4-Chlorophenyl phenyl ether	3060	J	3700	79
106-44-5	4-Methylphenol	6220	J	7200	210
100-01-6	4-Nitroaniline	3800	J	7200	410
100-02-7	4-Nitrophenol	ND		7200	890
83-32-9	Acenaphthene	3600	J	3700	43
208-96-8	Acenaphthylene	3380	J	3700	30
98-86-2	Acetophenone	3170	J	3700	190
120-12-7	Anthracene	3590	J	3700	95
1912-24-9	Atrazine	3400	J	3700	160
100-52-7	Benzaldehyde	3050	J	3700	400
56-55-3	Benzo(a)anthracene	5390		3700	64
50-32-8	Benzo(a)pyrene	5750		3700	89
205-99-2	Benzo(b)fluoranthene	6590		3700	72
191-24-2	Benzo(g,h,i)perylene	5730		3700	44
207-08-9	Benzo(k)fluoranthene	4720		3700	41

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Buffalo | Job No.: 480-18292-1

SDG No.:

Client Sample ID: RB-01 (0-6") MSD | Lab Sample ID: 480-18292-5 MSD

Matrix: Solid | Lab File ID: V8865.D

Analysis Method: 8270C | Date Collected: 04/05/2012 15:45

Extract. Method: 3550B | Date Extracted: 04/10/2012 07:39

Sample wt/vol: +30.73(g) | Date Analyzed: 04/11/2012 22:41

Con. Extract Vol.: 1(mL) | Dilution Factor: 20

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

% Moisture: 10.7 | GPC Cleanup:(Y/N) N

Analysis Batch No.: 59155 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
92-52-4	Biphenyl	3620	J	3700	230
108-60-1	bis (2-chloroisopropyl) ether	3210	J	3700	390
111-91-1	Bis(2-chloroethoxy)methane	2990	J	3700	200
111-44-4	Bis(2-chloroethyl)ether	2770	J	3700	320
117-81-7	Bis(2-ethylhexyl) phthalate	5220		3700	1200
85-68-7	Butyl benzyl phthalate	4880		3700	990
105-60-2	Caprolactam	3820		3700	1600
86-74-8	Carbazole	3450	J	3700	43
218-01-9	Chrysene	5070		3700	37
53-70-3	Dibenz(a,h)anthracene	5870		3700	43
132-64-9	Dibenzofuran	3320	J	3700	38
84-66-2	Diethyl phthalate	3450	J	3700	110
131-11-3	Dimethyl phthalate	3400	J	3700	96
84-74-2	Di-n-butyl phthalate	4030		3700	1300
117-84-0	Di-n-octyl phthalate	5360		3700	86
206-44-0	Fluoranthene	5390		3700	53
86-73-7	Fluorene	3450	J	3700	85
118-74-1	Hexachlorobenzene	3900		3700	180
87-68-3	Hexachlorobutadiene	3490	J	3700	190
77-47-4	Hexachlorocyclopentadiene	3420	J	3700	1100
67-72-1	Hexachloroethane	2930	J	3700	290
193-39-5	Indeno(1,2,3-cd)pyrene	5710		3700	100
78-59-1	Isophorone	3220	J	3700	180
91-20-3	Naphthalene	3480	J	3700	61
98-95-3	Nitrobenzene	3050	J	3700	160
621-64-7	N-Nitrosodi-n-propylamine	3240	J	3700	290
86-30-6	N-Nitrosodiphenylamine	3620	J	3700	200
87-86-5	Pentachlorophenol	ND		7200	1300
85-01-8	Phenanthrene	4340		3700	77
108-95-2	Phenol	3080	J	3700	390
129-00-0	Pyrene	5280		3700	24

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Buffalo | Job No.: 480-18292-1

SDG No.:

Client Sample ID: RB-01 (0-6") MSD | Lab Sample ID: 480-18292-5 MSD

Matrix: Solid | Lab File ID: V8865.D

Analysis Method: 8270C | Date Collected: 04/05/2012 15:45

Extract. Method: 3550B | Date Extracted: 04/10/2012 07:39

Sample wt/vol: +30.73(g) | Date Analyzed: 04/11/2012 22:41

Con. Extract Vol.: 1(mL) | Dilution Factor: 20

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

% Moisture: 10.7 | GPC Cleanup:(Y/N) N

Analysis Batch No.: 59155 | Units: ug/Kg

CAS NO.	SURROGATE	%REC	Q	LIMITS
118-79-6	2,4,6-Tribromophenol	96		39-146
321-60-8	2-Fluorobiphenyl	94		37-120
367-12-4	2-Fluorophenol	82		18-120
4165-60-0	Nitrobenzene-d5	95		34-132
4165-62-2	Phenol-d5	76		11-120
1718-51-0	p-Terphenyl-d14	112		65-153

TestAmerica Laboratories
Target Compound Quantitation Report

Data File:	\\Bufchrom\ChromData\HP5973V\20120411-10911.b\V8865.D		
Lims ID:	480-18292-B-5-B MSD	Client ID:	RB-01 (0-6")
Inject. Date:	11-Apr-2012 22:41:30	Dil. Factor:	20.0000
Sample Type:	MSD		
Sample ID:	480-0010911-007		
Misc. Info.:	480-18292-B-5-B MSD		
Operator:	HL	Instrument ID:	HP5973V
Vol. Injected:	1.0000	ALS Bottle#:	30
Lims Batch ID:	59155	Lims Sample ID:	7
Detector:	MS SCAN		
Method:	\\Bufchrom\ChromData\HP5973V\20120411-10911.b\V-8270.m		
Last Update:	12-Apr-2012 10:15:42	Calib Date:	09-Apr-2012 16:15:30
Quant Method:	Internal Standard	Quant By:	Initial Calibration
Last ICal File:	\\Bufchrom\ChromData\HP5973V\20120409-10827.b\V8763.D		
Limit Group:	MB - 8270C ICAL		
Integrator:	RTE	ID Type:	Deconvolution ID
Process Host:	CORP-CTX-19		
First Level Reviewer: lyh		Date:	12-Apr-2012 10:26:53

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ng/uL	Flags
* 1 1,4-Dichlorobenzene-d4	152	6.010	6.005	0.005	96	102911	40.0	
* 2 Naphthalene-d8	136	7.661	7.661	0.0	100	364881	40.0	
* 3 Acenaphthene-d10	164	9.926	9.926	0.0	91	224366	40.0	
* 4 Phenanthrene-d10	188	11.625	11.625	0.0	97	382391	40.0	
* 5 Chrysene-d12	240	14.114	14.120	-0.006	96	383587	40.0	
* 6 Perylene-d12	264	15.498	15.498	0.0	99	405856	40.0	
$ 9 2-Fluorophenol	112	4.316	4.316	-0.001	42	21648	6.12	
$ 10 Phenol-d5	99	5.535	5.535	0.0	82	26786	5.70	
$ 11 Nitrobenzene-d5	82	6.737	6.737	0.0	58	18330	4.73	
$ 12 2-Fluorobiphenyl	172	9.071	9.066	0.005	81	33149	4.70	
$ 13 2,4,6-Tribromophenol	330	10.882	10.882	0.005	7	5508	7.17	
$ 14 p-Terphenyl-d14	244	13.169	13.169	0.0	82	46701	5.61	
88 Benzaldehyde	77	5.449	5.444	0.005	78	12500	4.18	
89 Phenol	94	5.556	5.551	0.005	74	20283	4.23	
91 Bis(2-chloroethyl)ether	93	5.668	5.668	0.0	59	14209	3.80	
93 2-Chlorophenol	128	5.732	5.732	0.0	75	14138	4.19	
98 2-Methylphenol	108	6.347	6.341	0.006	69	12469	3.83	
99 2,2'-oxybis[1-chloropropane]	45	6.368	6.368	0.0	64	11810	4.41	
104 Acetophenone	105	6.544	6.539	0.005	85	22758	4.35	
101 N-Nitrosodi-n-propylamine	70	6.539	6.544	-0.005	67	12301	4.44	
102 4-Methylphenol	108	6.555	6.550	0.005	87	28173	8.54	
106 Hexachloroethane	117	6.662	6.662	0.0	73	6024	4.02	
107 Nitrobenzene	77	6.758	6.758	0.0	73	16837	4.18	
110 Isophorone	82	7.073	7.073	0.0	85	30743	4.42	
111 2-Nitrophenol	139	7.175	7.175	0.0	62	6956	4.46	
112 2,4-Dimethylphenol	107	7.249	7.244	0.005	63	15271	4.57	
115 Bis(2-chloroethoxy)methane	93	7.362	7.362	0.0	81	15724	4.10	
117 2,4-Dichlorophenol	162	7.511	7.511	0.021	23	8421	3.31	
121 Naphthalene	128	7.687	7.693	-0.006	85	43757	4.77	
123 4-Chloroaniline	127	7.800	7.800	0.022	27	8007	2.29	
126 Hexachlorobutadiene	225	7.853	7.853	0.0	66	8895	4.79	

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ng/uL	Flags
127 Caprolactam	113	8.270	8.270	0.048	0	2221	5.24	M
131 4-Chloro-3-methylphenol	107	8.430	8.414	0.016	61	10929	5.25	
133 2-Methylnaphthalene	142	8.590	8.590	0.0	80	28705	4.56	
136 Hexachlorocyclopentadiene	237	8.793	8.793	0.005	26	5034	4.69	
139 2,4,6-Trichlorophenol	196	8.970	8.970	0.011	23	7774	4.27	
140 2,4,5-Trichlorophenol	196	9.039	9.012	0.027	53	8148	5.88	
144 1,1'-Biphenyl	154	9.194	9.194	0.0	82	38153	4.96	
143 2-Chloronaphthalene	162	9.215	9.215	0.0	70	28817	5.04	
145 2-Nitroaniline	65	9.381	9.381	0.011	6	6441	5.92	
147 Dimethyl phthalate	163	9.605	9.605	0.0	84	32075	4.67	
148 2,6-Dinitrotoluene	165	9.680	9.686	-0.006	54	7166	6.60	
149 Acenaphthylene	152	9.744	9.750	-0.006	85	44074	4.64	
150 3-Nitroaniline	138		9.910					
151 Acenaphthene	153	9.969	9.969	0.0	85	28401	4.94	
152 2,4-Dinitrophenol	184		10.044					
153 4-Nitrophenol	109		10.150					
155 Dibenzofuran	168	10.188	10.182	0.006	71	39039	4.55	
154 2,4-Dinitrotoluene	165	10.204	10.204	0.011	1	6779	3.41	
160 Diethyl phthalate	149	10.476	10.482	-0.006	87	33119	4.73	
161 Fluorene	166	10.594	10.594	0.0	92	35221	4.74	
162 4-Chlorophenyl phenyl ether	204	10.599	10.599	0.0	70	16031	4.20	
164 4-Nitroaniline	138	10.690	10.653	0.037	21	2406	5.22	
166 4,6-Dinitro-2-methylphenol	198	10.695	10.695	0.016	1	2729	7.57	M
167 N-Nitrosodiphenylamine	169	10.743	10.743	0.0	50	23915	4.96	
176 4-Bromophenyl phenyl ether	248	11.149	11.149	0.0	48	10291	5.02	
177 Hexachlorobenzene	284	11.213	11.213	0.0	72	10865	5.35	
180 Atrazine	200	11.342	11.347	-0.005	51	9002	4.66	
181 Pentachlorophenol	266		11.433					
185 Phenanthrene	178	11.651	11.652	-0.001	88	61400	5.96	
188 Anthracene	178	11.705	11.705	0.0	90	51430	4.93	
189 Carbazole	167	11.886	11.881	0.005	69	41219	4.73	
192 Di-n-butyl phthalate	149	12.218	12.218	0.0	97	57684	5.53	
197 Fluoranthene	202	12.827	12.827	0.0	94	83286	7.40	
199 Pyrene	202	13.040	13.041	-0.001	98	81602	7.24	
205 Butyl benzyl phthalate	149	13.596	13.596	0.0	81	22688	6.70	
210 Bis(2-ethylhexyl) phthalate	149	14.077	14.077	0.0	94	34121	7.16	
208 3,3'-Dichlorobenzidine	252	14.082	14.082	0.0	1	13712	5.99	
209 Benzo[a]anthracene	228	14.103	14.109	-0.006	92	79105	7.40	
211 Chrysene	228	14.141	14.146	-0.005	78	75739	6.95	
212 Di-n-octyl phthalate	149	14.638	14.643	-0.005	90	53784	7.35	
213 Benzo[b]fluoranthene	252	15.097	15.103	-0.006	88	104685	9.04	
214 Benzo[k]fluoranthene	252	15.124	15.135	-0.011	90	86111	6.48	
217 Benzo[a]pyrene	252	15.434	15.439	-0.005	60	79822	7.89	
219 Indeno[1,2,3-cd]pyrene	276	16.743	16.759	-0.016	95	85074	7.83	
220 Dibenz(a,h)anthracene	278	16.753	16.764	-0.011	31	54031	8.05	
221 Benzo[g,h,i]perylene	276	17.106	17.122	-0.016	81	70878	7.86	

QC Flag Legend

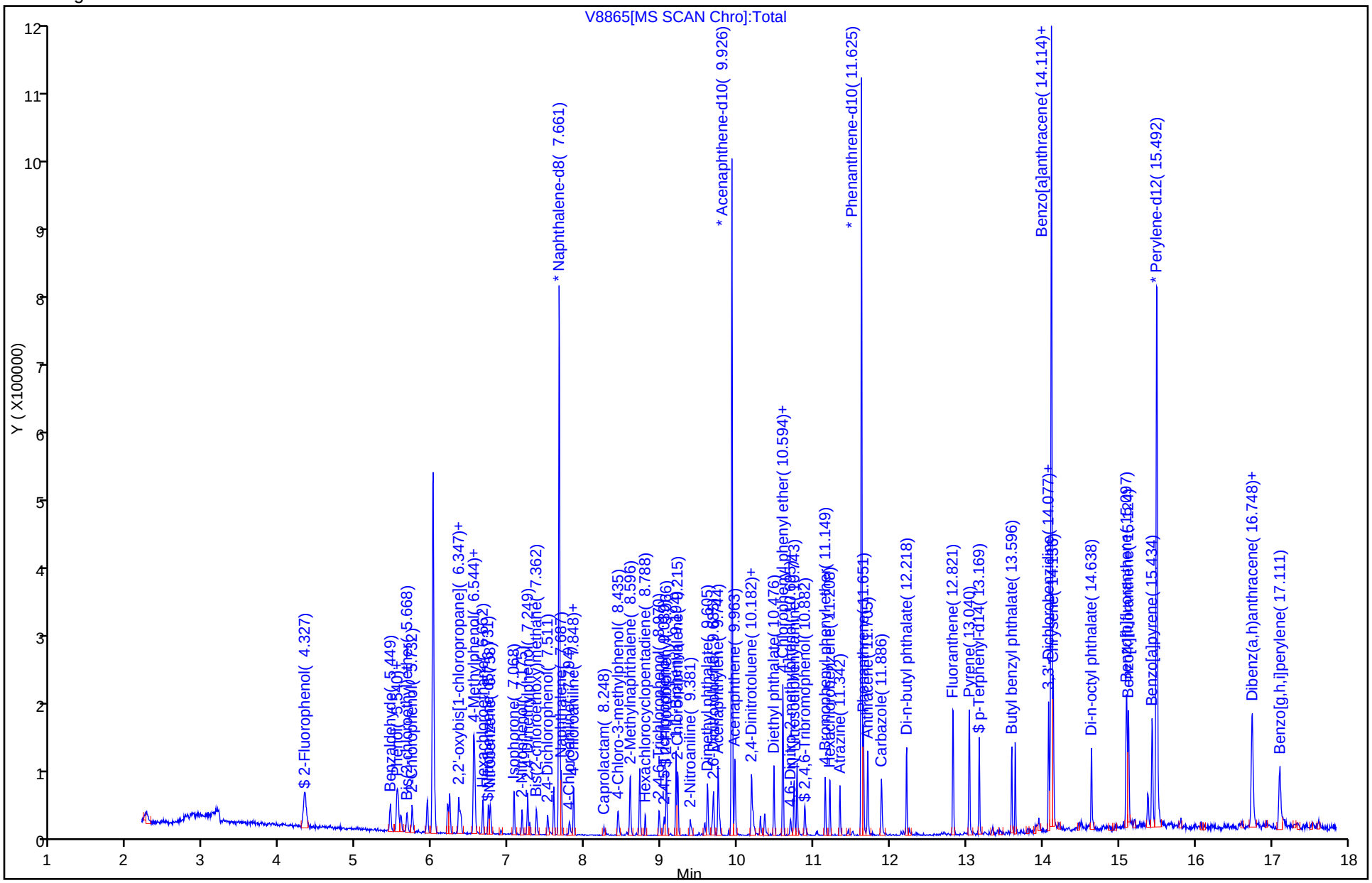
Review Flags
M - Manually Integrated

Report Date: 12-Apr-2012 10:26:53 Chrom Revision: 2.0 20-Feb-2012 13:27:02

Data File: \\Bufchrom\ChromData\HP5973V\20120411-10911.b\V8865.D

Injection Date:	11-Apr-2012 22:41:30	Limit Group:	MB - 8270C ICAL
Client ID:	RB-01 (0-6")	Instrument ID:	HP5973V
Lims Batch ID:	59155	Lims Sample ID:	7
Operator ID:	HL	Injection Vol:	1.00 ul
Column Type:	RXI-5Sil MS	Column Dia:	0.25 mm

Y Scaling:



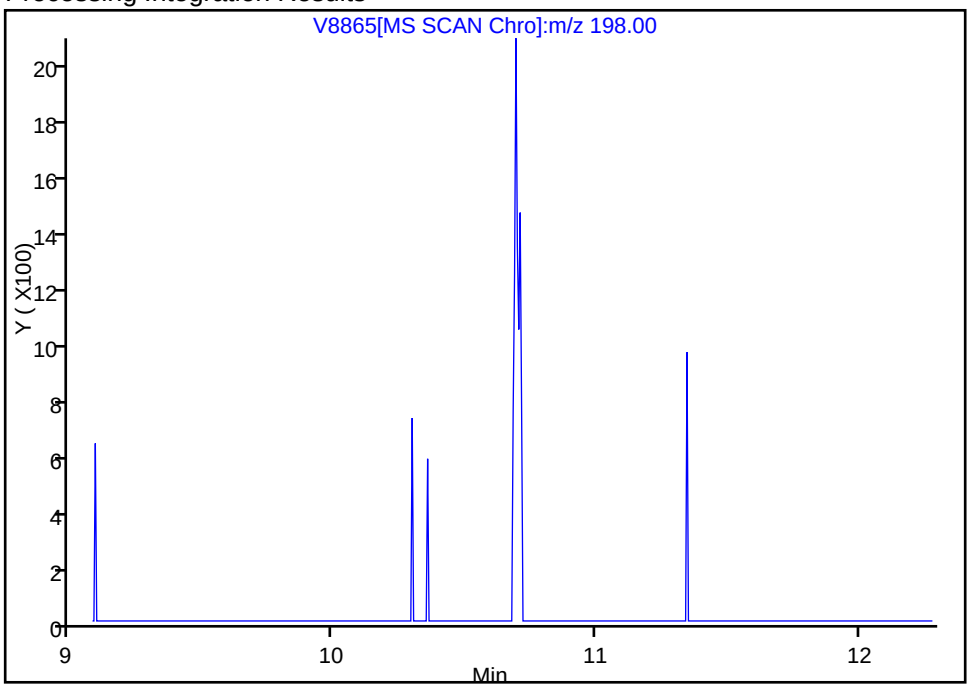
Manual Integration/User Assign Peak Report

Data File:	\\Bufchrom\ChromData\HP5973V\20120411-10911.b\V8865.D		
Injection Date:	11-Apr-2012 22:41:30	Limit Group:	MB - 8270C ICAL
Client ID:	RB-01 (0-6")	Instrument ID:	HP5973V
Lims Batch ID:	59155	Lims Sample ID:	7
Operator ID:	HL	Injection Vol:	1.00 ul
Column Type:	RXI-5Sil MS	Column Dia:	0.25 mm

166 4,6-Dinitro-2-methylphenol, Signal: 1, m/z: 198.0 Type: quant, RT: 10.68

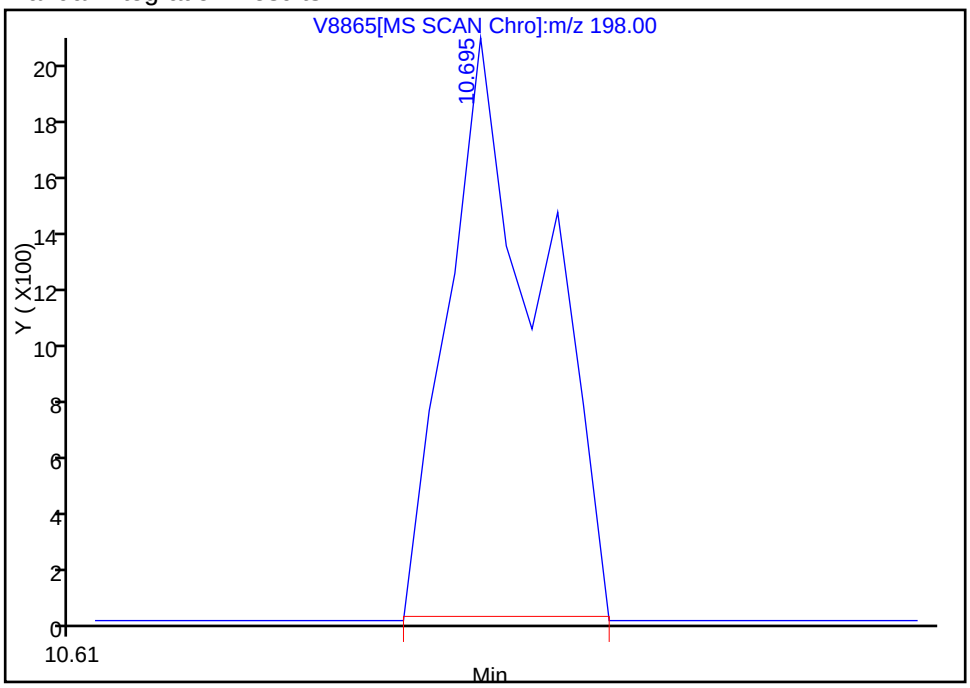
Not Detected
Expected RT: 10.68

Processing Integration Results



Manual Integration Results

RT: 10.70
Response: 2729
Amount: 7.571281



Reviewer: lyh, 12-Apr-2012 10:26:53
Audit Action: Manually Integrated
Audit Reason: Assign Peak

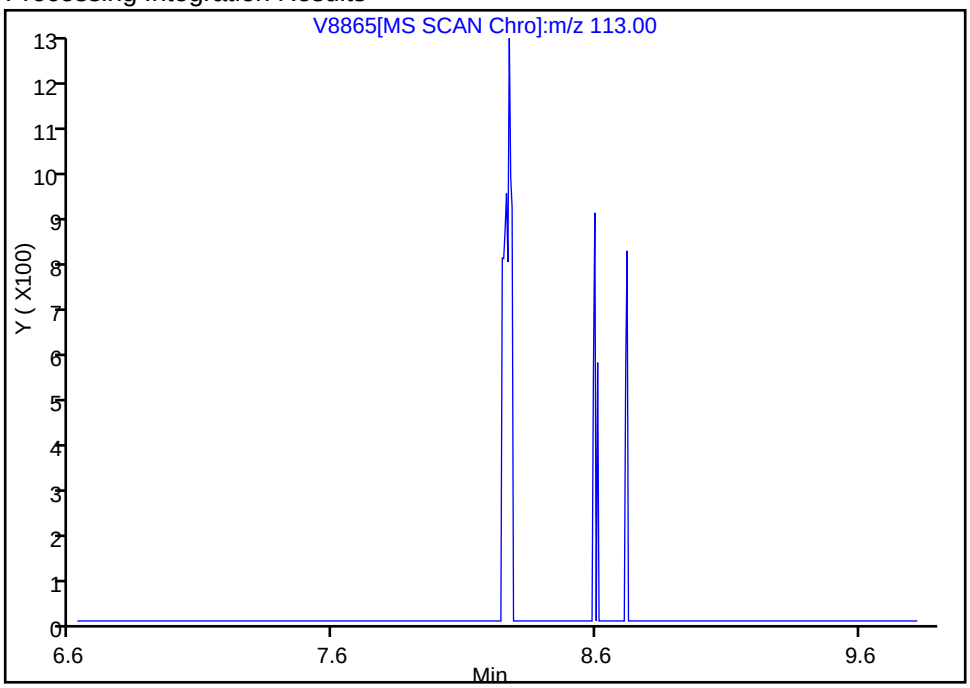
Manual Integration/User Assign Peak Report

Data File:	\\Bufchrom\ChromData\HP5973V\20120411-10911.b\V8865.D		
Injection Date:	11-Apr-2012 22:41:30	Limit Group:	MB - 8270C ICAL
Client ID:	RB-01 (0-6")	Instrument ID:	HP5973V
Lims Batch ID:	59155	Lims Sample ID:	7
Operator ID:	HL	Injection Vol:	1.00 ul
Column Type:	RXI-5Sil MS	Column Dia:	0.25 mm

127 Caprolactam, Signal: 1, m/z: 113.0 Type: quant, RT: 8.22

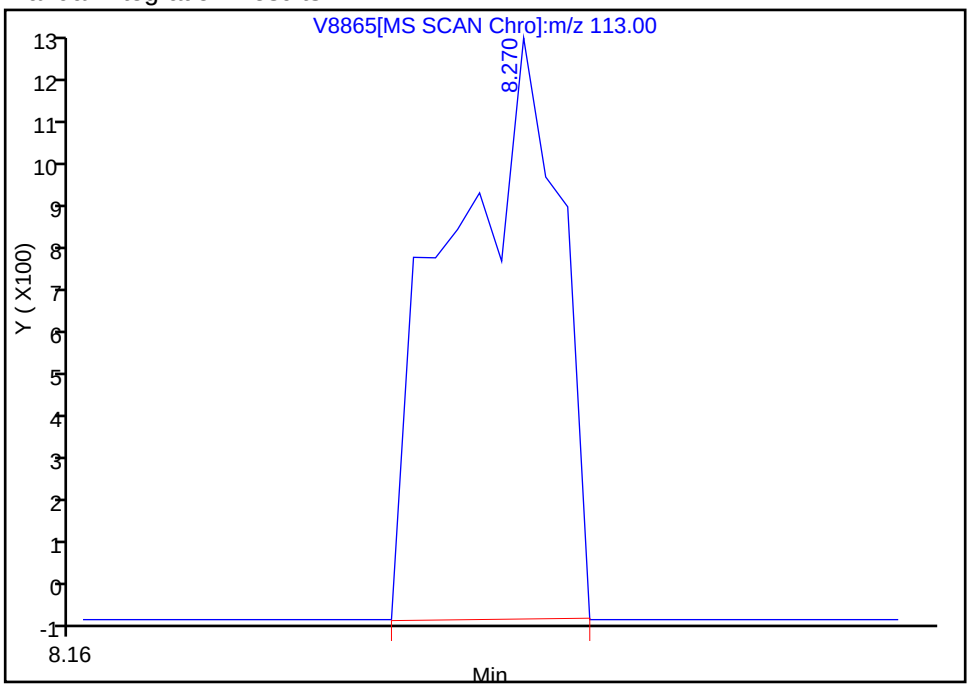
Not Detected
Expected RT: 8.22

Processing Integration Results



Manual Integration Results

RT: 8.27
Response: 2221
Amount: 5.238014



Reviewer: lyh, 12-Apr-2012 10:26:53
Audit Action: Manually Integrated
Audit Reason: Assign Peak

GC/MS SEMI VOA ANALYSIS RUN LOG

Lab Name: TestAmerica Buffalo Job No.: 480-18292-1

SDG No.:

Instrument ID: HP5973V Start Date: 03/05/2012 11:06

Analysis Batch Number: 53870 End Date: 03/05/2012 20:09

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
DFTPP 480-53870/1		03/05/2012 11:06	1	V7094.D	RXI-5Sil MS 0.25(mm)
IC 480-53870/2		03/05/2012 11:43	1		RXI-5Sil MS 0.25(mm)
IC 480-53870/3		03/05/2012 12:07	1		RXI-5Sil MS 0.25(mm)
ICIS 480-53870/4		03/05/2012 12:31	1		RXI-5Sil MS 0.25(mm)
IC 480-53870/5		03/05/2012 12:55	1		RXI-5Sil MS 0.25(mm)
IC 480-53870/6		03/05/2012 14:10	1		RXI-5Sil MS 0.25(mm)
IC 480-53870/7		03/05/2012 14:34	1		RXI-5Sil MS 0.25(mm)
IC 480-53870/8		03/05/2012 14:58	1	V7103.D	RXI-5Sil MS 0.25(mm)
IC 480-53870/9		03/05/2012 15:22	1	V7104.D	RXI-5Sil MS 0.25(mm)
IC 480-53870/10		03/05/2012 15:46	1	V7105.D	RXI-5Sil MS 0.25(mm)
IC 480-53870/11		03/05/2012 16:10	1	V7106.D	RXI-5Sil MS 0.25(mm)
IC 480-53870/12		03/05/2012 16:34	1	V7107.D	RXI-5Sil MS 0.25(mm)
IC 480-53870/13		03/05/2012 16:58	1	V7108.D	RXI-5Sil MS 0.25(mm)
IC 480-53870/14		03/05/2012 17:22	1		RXI-5Sil MS 0.25(mm)
IC 480-53870/15		03/05/2012 17:46	1		RXI-5Sil MS 0.25(mm)
IC 480-53870/16		03/05/2012 18:10	1		RXI-5Sil MS 0.25(mm)
IC 480-53870/17		03/05/2012 18:34	1		RXI-5Sil MS 0.25(mm)
IC 480-53870/18		03/05/2012 18:58	1		RXI-5Sil MS 0.25(mm)
IC 480-53870/19		03/05/2012 19:21	1		RXI-5Sil MS 0.25(mm)
ICV 480-53870/20		03/05/2012 19:45	1		RXI-5Sil MS 0.25(mm)
ICVL 480-53870/21		03/05/2012 20:09	1		RXI-5Sil MS 0.25(mm)

GC/MS SEMI VOA ANALYSIS RUN LOG

Lab Name: TestAmerica Buffalo Job No.: 480-18292-1

SDG No.:

Instrument ID: HP5973V Start Date: 04/09/2012 13:54

Analysis Batch Number: 58695 End Date: 04/10/2012 01:29

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
DFTPP 480-58695/1		04/09/2012 13:54	1	V8757.D	RXI-5Sil MS 0.25(mm)
IC 480-58695/2		04/09/2012 14:10	1	V8758.D	RXI-5Sil MS 0.25(mm)
IC 480-58695/3		04/09/2012 14:38	1	V8759.D	RXI-5Sil MS 0.25(mm)
ICIS 480-58695/4		04/09/2012 15:02	1	V8760.D	RXI-5Sil MS 0.25(mm)
IC 480-58695/5		04/09/2012 15:27	1	V8761.D	RXI-5Sil MS 0.25(mm)
IC 480-58695/6		04/09/2012 15:51	1	V8762.D	RXI-5Sil MS 0.25(mm)
IC 480-58695/7		04/09/2012 16:15	1	V8763.D	RXI-5Sil MS 0.25(mm)
ICV 480-58695/8		04/09/2012 16:39	1		RXI-5Sil MS 0.25(mm)
ICVL 480-58695/9		04/09/2012 17:03	1		RXI-5Sil MS 0.25(mm)
CCVIS 480-58695/10		04/09/2012 17:27	1		RXI-5Sil MS 0.25(mm)
CCV 480-58695/11		04/09/2012 17:51	1		RXI-5Sil MS 0.25(mm)
ZZZZZ		04/09/2012 18:16	5		RXI-5Sil MS 0.25(mm)
ZZZZZ		04/09/2012 18:40	1		RXI-5Sil MS 0.25(mm)
ZZZZZ		04/09/2012 19:04	1		RXI-5Sil MS 0.25(mm)
ZZZZZ		04/09/2012 19:28	1		RXI-5Sil MS 0.25(mm)
ZZZZZ		04/09/2012 19:52	1		RXI-5Sil MS 0.25(mm)
ZZZZZ		04/09/2012 20:16	1		RXI-5Sil MS 0.25(mm)
ZZZZZ		04/09/2012 20:40	20		RXI-5Sil MS 0.25(mm)
ZZZZZ		04/09/2012 21:04	10		RXI-5Sil MS 0.25(mm)
ZZZZZ		04/09/2012 21:28	20		RXI-5Sil MS 0.25(mm)
ZZZZZ		04/09/2012 21:52	20		RXI-5Sil MS 0.25(mm)
ZZZZZ		04/09/2012 22:16	20		RXI-5Sil MS 0.25(mm)
ZZZZZ		04/09/2012 23:04	1		RXI-5Sil MS 0.25(mm)
ZZZZZ		04/09/2012 23:28	1		RXI-5Sil MS 0.25(mm)
ZZZZZ		04/09/2012 23:53	20		RXI-5Sil MS 0.25(mm)
ZZZZZ		04/10/2012 00:17	1		RXI-5Sil MS 0.25(mm)
ZZZZZ		04/10/2012 00:41	1		RXI-5Sil MS 0.25(mm)
ZZZZZ		04/10/2012 01:29	1		RXI-5Sil MS 0.25(mm)

GC/MS SEMI VOA ANALYSIS RUN LOG

Lab Name: TestAmerica Buffalo Job No.: 480-18292-1

SDG No.:

Instrument ID: HP5973V Start Date: 04/11/2012 20:25

Analysis Batch Number: 59155 End Date: 04/12/2012 03:07

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
DFTPP 480-59155/1		04/11/2012 20:25	1	V8859.D	RXI-5Sil MS 0.25(mm)
CCVIS 480-59155/2		04/11/2012 20:41	1	V8860.D	RXI-5Sil MS 0.25(mm)
CCV 480-59155/3		04/11/2012 21:05	1	V8861.D	RXI-5Sil MS 0.25(mm)
MB 480-58845/1-A		04/11/2012 21:29	1	V8862.D	RXI-5Sil MS 0.25(mm)
LCS 480-58845/2-A		04/11/2012 21:54	1	V8863.D	RXI-5Sil MS 0.25(mm)
480-18292-5 MS	RB-01 (0-6") MS	04/11/2012 22:18	20	V8864.D	RXI-5Sil MS 0.25(mm)
480-18292-5 MSD	RB-01 (0-6") MSD	04/11/2012 22:41	20	V8865.D	RXI-5Sil MS 0.25(mm)
480-18292-1	RB-10 (6-12")	04/11/2012 23:05	10	V8866.D	RXI-5Sil MS 0.25(mm)
480-18292-2	RB-10 (12-24")	04/11/2012 23:29	10	V8867.D	RXI-5Sil MS 0.25(mm)
480-18292-3	RB-11 (0-6")	04/11/2012 23:53	10	V8868.D	RXI-5Sil MS 0.25(mm)
480-18292-4	RB-12 (0-6")	04/12/2012 00:17	20	V8869.D	RXI-5Sil MS 0.25(mm)
480-18292-5	RB-01 (0-6")	04/12/2012 00:42	20	V8870.D	RXI-5Sil MS 0.25(mm)
480-18292-6	RB-01 (6-12")	04/12/2012 01:06	20	V8871.D	RXI-5Sil MS 0.25(mm)
480-18292-7	RB-01 (12-24")	04/12/2012 01:30	20	V8872.D	RXI-5Sil MS 0.25(mm)
480-18292-8	RB-02 (0-6")	04/12/2012 01:54	20	V8873.D	RXI-5Sil MS 0.25(mm)
480-18292-9	RB-02 (6-12")	04/12/2012 02:18	20	V8874.D	RXI-5Sil MS 0.25(mm)
480-18292-10	RB-02 (12-24")	04/12/2012 02:43	20	V8875.D	RXI-5Sil MS 0.25(mm)
480-18292-11	DUP-03	04/12/2012 03:07	20	V8876.D	RXI-5Sil MS 0.25(mm)

GC/MS SEMI VOA BATCH WORKSHEET

Lab Name: TestAmerica Buffalo Job No.: 480-18292-1

SDG No.:

Batch Number: 58845 Batch Start Date: 04/10/12 07:39 Batch Analyst: Zeimer, Michael

Batch Method: 3550B Batch End Date:

Lab Sample ID	Client Sample ID	Method Chain	Basis	InitialAmount	FinalAmount	O_8270625surr 00002	O_8270full#1 00019	O_8270full#2 00019	
MB 480-58845/1		3550B, 8270C		+30.10 g	1 mL	1 mL			
LCS 480-58845/2		3550B, 8270C		+30.60 g	1 mL	1 mL	1 mL	1 mL	
480-18292-B-5 MS	RB-01 (0-6")	3550B, 8270C	T	+30.08 g	1 mL	1 mL	1 mL	1 mL	
480-18292-B-5 MSD	RB-01 (0-6")	3550B, 8270C	T	+30.73 g	1 mL	1 mL	1 mL	1 mL	
480-18292-C-1	RB-10 (6-12")	3550B, 8270C	T	+30.49 g	1 mL	1 mL			
480-18292-C-2	RB-10 (12-24")	3550B, 8270C	T	+30.40 g	1 mL	1 mL			
480-18292-B-3	RB-11 (0-6")	3550B, 8270C	T	+30.55 g	1 mL	1 mL			
480-18292-B-4	RB-12 (0-6")	3550B, 8270C	T	+30.60 g	1 mL	1 mL			
480-18292-C-5	RB-01 (0-6")	3550B, 8270C	T	+30.50 g	1 mL	1 mL			
480-18292-A-6	RB-01 (6-12")	3550B, 8270C	T	+30.89 g	1 mL	1 mL			
480-18292-C-7	RB-01 (12-24")	3550B, 8270C	T	+30.61 g	1 mL	1 mL			
480-18292-B-8	RB-02 (0-6")	3550B, 8270C	T	+30.62 g	1 mL	1 mL			
480-18292-A-9	RB-02 (6-12")	3550B, 8270C	T	+30.15 g	1 mL	1 mL			
480-18292-B-10	RB-02 (12-24")	3550B, 8270C	T	+30.34 g	1 mL	1 mL			
480-18292-B-11	DUP-03	3550B, 8270C	T	+30.15 g	1 mL	1 mL			

Batch Notes	
Balance ID	40029
Batch Comment	NONE
Person's name who did the concentration	MZ/TR/MB
Final Concentrator Volume	1 mL
Na2SO4 Lot Number	27862003
Nominal Amount Used	30 g
Prep Solvent Lot #	L06E10
Prep Solvent Name	MeCl2
Prep Solvent Volume Used	300 mL
Person's name who did the prep	MZ/MB
Person's name who witnessed reagent drop	MZ/MB

GC/MS SEMI VOA BATCH WORKSHEET

Lab Name: TestAmerica Buffalo Job No.: 480-18292-1

SDG No.:

Batch Number: 58845 Batch Start Date: 04/10/12 07:39 Batch Analyst: Zeimer, Michael

Batch Method: 3550B Batch End Date:

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.: 480-18292-1

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-10 (6-12")	480-18292-1	144	132	157	132
RB-10 (12-24")	480-18292-2	138	130	155	130
RB-11 (0-6")	480-18292-3	142	134	156	140
RB-12 (0-6")	480-18292-4	142	135	163	166
RB-01 (0-6")	480-18292-5	144	133	157	132
RB-01 (6-12")	480-18292-6	144	135	161	134
RB-01 (12-24")	480-18292-7	142	131	159	133
RB-02 (0-6")	480-18292-8	149	141	169	143
RB-02 (6-12")	480-18292-9	146	136	164	144
RB-02 (12-24")	480-18292-10	141	132	156	129
DUP-03	480-18292-11	138	129	156	130
	MB 480-58864/1-A	141	133	156	128
	LCS 480-58864/2-A	172	147	175	144
RB-01 (0-6") MS	480-18292-5 MS	172	148	175	152
RB-01 (0-6") MSD	480-18292-5 MSD	171	147	177	149

	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.: 480-18292-1

SDG No.:

Matrix: Solid Level: Low Lab File ID: 12_164_069.D

Lab ID: LCS 480-58864/2-A Client ID:

COMPOUND	SPIKE ADDED (ug/Kg)	LCS CONCENTRATION (ug/Kg)	LCS % REC	QC LIMITS REC	#
PCB-1016	2450	3230	132	51-185	
PCB-1260	2450	3400	139	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.: 480-18292-1

SDG No.:

Matrix: Solid Level: Low Lab File ID: 12_164_075.D

Lab ID: 480-18292-5 MS Client ID: RB-01 (0-6") MS

COMPOUND	SPIKE ADDED (ug/Kg)	SAMPLE CONCENTRATION (ug/Kg)	MS CONCENTRATION (ug/Kg)	MS % REC	QC LIMITS REC	#
PCB-1016	2670	ND	3510	132	42-159	
PCB-1260	2670	ND	3800	142	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.: 480-18292-1

SDG No.:

Matrix: Solid Level: Low Lab File ID: 12_164_076.D

Lab ID: 480-18292-5 MSD Client ID: RB-01 (0-6") MSD

COMPOUND	SPIKE ADDED (ug/Kg)	MSD CONCENTRATION (ug/Kg)	MSD % REC	% RPD	QC LIMITS RPD	QC LIMITS REC	#
PCB-1016	2680	3440	128	2.14	50	42-159	
PCB-1260	2680	3750	140	1.34	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.: 480-18292-1

SDG No.:

Lab Sample ID: MB 480-58864/1-A

Matrix: Solid Date Extracted: 04/10/2012 08:38

Lab File ID:(1) 12_164_068.D Lab File ID:(2) 12_164_068.D

Date Analyzed:(1) 04/11/2012 07:38 Date Analyzed:(2) 04/11/2012 07:38

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 480-58864/2-A	04/11/2012 07:52	04/11/2012 07:52
RB-10 (6-12")	480-18292-1	04/11/2012 08:07	04/11/2012 08:07
RB-10 (12-24")	480-18292-2	04/11/2012 08:22	04/11/2012 08:22
RB-11 (0-6")	480-18292-3	04/11/2012 08:37	04/11/2012 08:37
RB-12 (0-6")	480-18292-4	04/11/2012 08:51	04/11/2012 08:51
RB-01 (0-6")	480-18292-5	04/11/2012 09:06	04/11/2012 09:06
RB-01 (0-6") MS	480-18292-5 MS	04/11/2012 09:21	04/11/2012 09:21
RB-01 (0-6") MSD	480-18292-5 MSD	04/11/2012 09:36	04/11/2012 09:36
RB-01 (6-12")	480-18292-6	04/11/2012 09:51	04/11/2012 09:51
RB-01 (12-24")	480-18292-7	04/11/2012 10:35	04/11/2012 10:35
RB-02 (0-6")	480-18292-8	04/11/2012 10:50	04/11/2012 10:50
RB-02 (6-12")	480-18292-9	04/11/2012 11:05	04/11/2012 11:05
RB-02 (12-24")	480-18292-10	04/11/2012 11:19	04/11/2012 11:19
DUP-03	480-18292-11	04/11/2012 11:34	04/11/2012 11:34

FORM X
IDENTIFICATION SUMMARY

Lab Name: TestAmerica Buffalo Job No.: 480-18292-1

SDG No.:

Client Sample ID: RB-01 (0-6") MS Lab Sample ID: 480-18292-5 MS

Instrument ID (1): HP5890-12 Instrument ID (2): HP5890-12

Date Analyzed (1): 04/11/2012 09:21 Date Analyzed (2): 04/11/2012 09:21

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	2.66	2.72	4450	4650	28.0
		2	2.82	2.80	2.86	4700		
		3	3.01	2.99	3.05	4400		
		4	3.09	3.06	3.12	5060		
	2	1	2.32	2.29	2.35	3350	3510	
		2	2.61	2.58	2.64	3460		
		3	2.72	2.69	2.75	3790		
		4	3.06	3.03	3.09	3440		
PCB-1260	1	1	4.78	4.77	4.83	5060	4620	19.5
		2	5.13	5.12	5.18	4410		
		3	5.34	5.34	5.40	4460		
		4	5.77	5.78	5.84	4550		
	2	1	4.55	4.54	4.60	3610	3800	
		2	4.68	4.66	4.72	3800		
		3	4.96	4.95	5.01	3430		
		4	5.31	5.32	5.38	4350		

FORM X
IDENTIFICATION SUMMARY

Lab Name: TestAmerica Buffalo Job No.: 480-18292-1

SDG No.:

Client Sample ID: RB-01 (0-6") MSD Lab Sample ID: 480-18292-5 MSD

Instrument ID (1): HP5890-12 Instrument ID (2): HP5890-12

Date Analyzed (1): 04/11/2012 09:36 Date Analyzed (2): 04/11/2012 09:36

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	2.69	2.66	2.72	4420	4620	29.3
		2	2.82	2.80	2.86	4650		
		3	3.01	2.99	3.05	4350		
		4	3.09	3.06	3.12	5050		
	2	1	2.32	2.29	2.35	3270	3440	
		2	2.61	2.58	2.64	3410		
		3	2.72	2.69	2.75	3700		
		4	3.06	3.03	3.09	3360		
PCB-1260	1	1	4.80	4.77	4.83	5060	4610	20.7
		2	5.14	5.12	5.18	4400		
		3	5.36	5.34	5.40	4480		
		4	5.79	5.78	5.84	4520		
	2	1	4.57	4.54	4.60	3580	3750	
		2	4.69	4.66	4.72	3760		
		3	4.98	4.95	5.01	3390		
		4	5.34	5.32	5.38	4250		

FORM X
IDENTIFICATION SUMMARY

Lab Name: TestAmerica Buffalo Job No.: 480-18292-1

SDG No.:

Client Sample ID: Lab Sample ID: LCS 480-58864/2-A

Instrument ID (1): HP5890-12 Instrument ID (2): HP5890-12

Date Analyzed (1): 04/11/2012 07:52 Date Analyzed (2): 04/11/2012 07:52

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	2.69	2.66	2.72	4190	4380	30.0
		2	2.82	2.80	2.86	4460		
		3	3.01	2.99	3.05	4050		
		4	3.09	3.06	3.12	4800		
	2	1	2.32	2.29	2.35	3090	3230	
		2	2.61	2.58	2.64	3190		
		3	2.72	2.69	2.75	3540		
		4	3.06	3.03	3.09	3110		
PCB-1260	1	1	4.78	4.77	4.83	4530	4130	19.3
		2	5.13	5.12	5.18	3960		
		3	5.34	5.34	5.40	3990		
		4	5.77	5.78	5.84	4040		
	2	1	4.56	4.54	4.60	3260	3400	
		2	4.68	4.66	4.72	3400		
		3	4.96	4.95	5.01	3080		
		4	5.32	5.32	5.38	3860		

FORM I
PCBS ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Buffalo Job No.: 480-18292-1

SDG No.:

Client Sample ID: RB-10 (6-12") Lab Sample ID: 480-18292-1

Matrix: Solid Lab File ID: 12_164_070.D

Analysis Method: 8082 Date Collected: 04/05/2012 15:20

Extraction Method: 3550B Date Extracted: 04/10/2012 08:38

Sample wt/vol: +2.56(g) Date Analyzed: 04/11/2012 08:07

Con. Extract Vol.: 10(mL) Dilution Factor: 1

Injection Volume: 1(uL) GC Column: ZB-5 ID: 0.53(mm)

% Moisture: 8.1 GPC Cleanup:(Y/N) N

Analysis Batch No.: 59004 Units: ug/Kg

CAS NO.	SURROGATE	%REC	Q	LIMITS
2051-24-3	DCB Decachlorobiphenyl	157		36-182
877-09-8	Tetrachloro-m-xylene	144		24-172

TestAmerica Laboratories
Target Compound Quantitation Report

Data File:	\\Bufchrom\ChromData\HP5890-12\20120410-10886.b\12_164_070.D		
Lims ID:	480-18292-C-1-C	Client ID:	RB-10 (6-12")
Inject. Date:	11-Apr-2012 08:07:35	Dil. Factor:	1.0000
Sample Type:	Client		
Sample ID:	Name: 480-18292-C-1-C		
Misc. Info.:	Study: 480-0010886-006 Channel B: I/F Serial#, 9205571204		
Operator:	tchrom	Instrument ID:	HP5890-12
Vol. Injected:	1.0000	ALS Bottle#:	0
Lims Batch ID:	59004	Lims Sample ID:	6
Detector 1 :	Ch-A-7A136		
Detector 2 :	Ch-B-7b136		
Method:	\\Bufchrom\ChromData\HP5890-12\20120410-10886.b\hp12_pcb.m		
Last Update:	11-Apr-2012 10:53:34	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: 11-Apr-2012 10:54:20

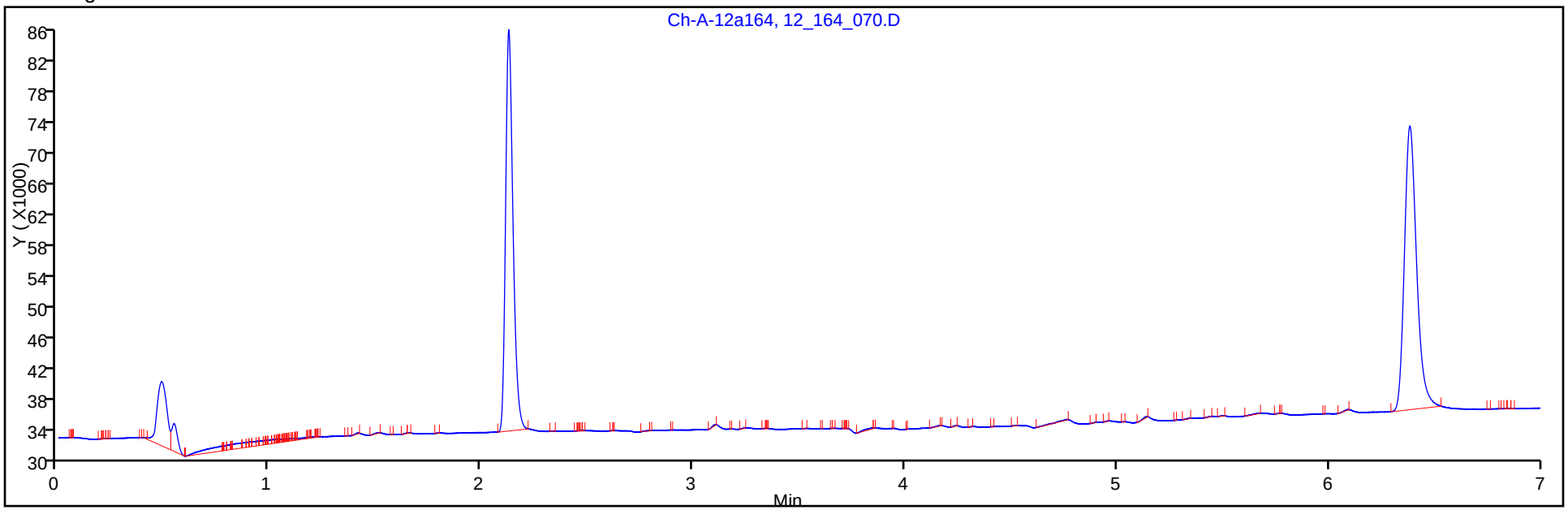
Det	Sig	RT	ADJ RT	DLT RT	Response	On-Col Amt ng/uL	Ratio Range	Ratio	Flags
$ 3 Tetrachloro-m-xylene									
1	1	2.128	2.130	-0.002	125053	0.0287			
2	2	1.653	1.655	-0.002	146311	0.0264			
						RPD = 8.21			
E 12 DCB Decachlorobiphenyl									
1	1	6.383	6.419	-0.036	144657	0.0313			
2	2	5.774	5.809	-0.035	145240	0.0264			
						RPD = 17.08			

Report Date: 11-Apr-2012 10:54:21 Chrom Revision: 2.0 20-Feb-2012 13:27:02

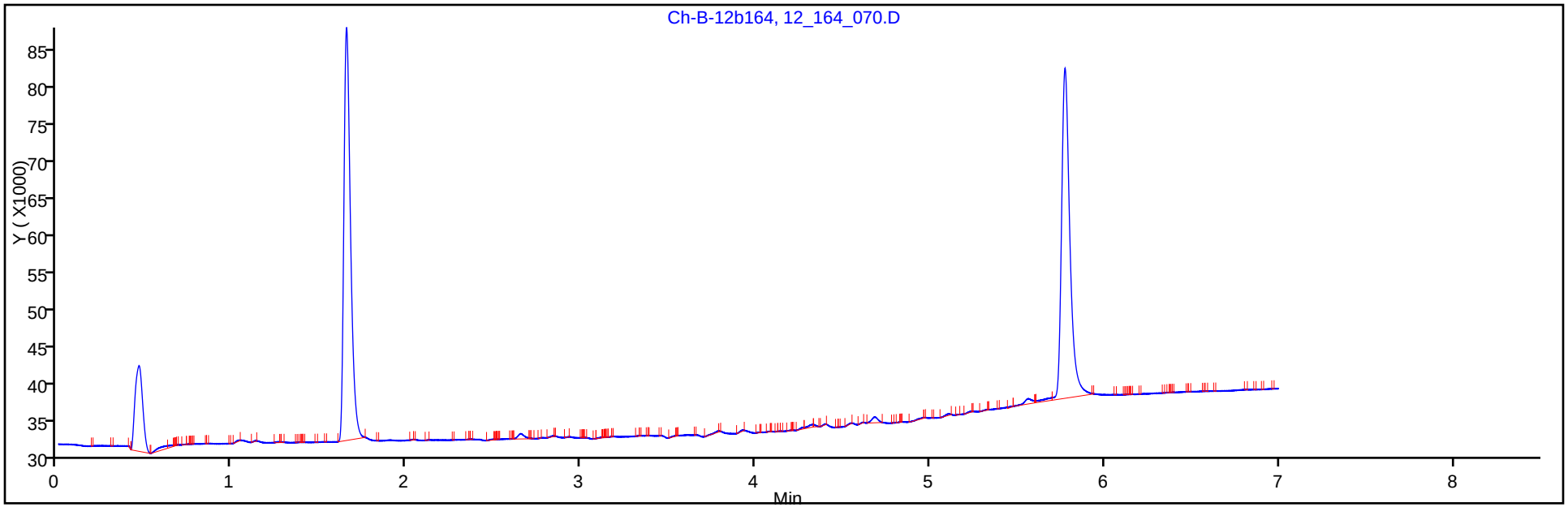
Data File: \\Bufchrom\ChromData\HP5890-12\20120410-10886.b\12_164_070.D

Injection Date:	11-Apr-2012 08:07:35	Limit Group:	GC - 8082 PCB ICAL
Client ID:	RB-10 (6-12")	Instrument ID:	HP5890-12
Lims Batch ID:	59004	Lims Sample ID:	6
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.: 480-18292-1

SDG No.:

Client Sample ID: RB-10 (6-12") | Lab Sample ID: 480-18292-1

Matrix: Solid | Lab File ID: 12_164_070.D

Analysis Method: 8082 | Date Collected: 04/05/2012 15:20

Extraction Method: 3550B | Date Extracted: 04/10/2012 08:38

Sample wt/vol: +2.56(g) | Date Analyzed: 04/11/2012 08:07

Con. Extract Vol.: 10(mL) | Dilution Factor: 1

Injection Volume: 1(uL) | GC Column: ZB-35 ID: 0.53(mm)

% Moisture: 8.1 | GPC Cleanup:(Y/N) N

Analysis Batch No.: 59004 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
12674-11-2	PCB-1016	ND		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	ND		210	99

CAS NO.	SURROGATE	%REC	Q	LIMITS
2051-24-3	DCB Decachlorobiphenyl	132		36-182
877-09-8	Tetrachloro-m-xylene	132		24-172

TestAmerica Laboratories
Target Compound Quantitation Report

Data File:	\\Bufchrom\ChromData\HP5890-12\20120410-10886.b\12_164_070.D		
Lims ID:	480-18292-C-1-C	Client ID:	RB-10 (6-12")
Inject. Date:	11-Apr-2012 08:07:35	Dil. Factor:	1.0000
Sample Type:	Client		
Sample ID:	Name: 480-18292-C-1-C		
Misc. Info.:	Study: 480-0010886-006 Channel B: I/F Serial#, 9205571204		
Operator:	tchrom	Instrument ID:	HP5890-12
Vol. Injected:	1.0000	ALS Bottle#:	0
Lims Batch ID:	59004	Lims Sample ID:	6
Detector 1 :	Ch-A-7A136		
Detector 2 :	Ch-B-7b136		
Method:	\\Bufchrom\ChromData\HP5890-12\20120410-10886.b\hp12_pcb.m		
Last Update:	11-Apr-2012 10:53:34	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: 11-Apr-2012 10:54:20

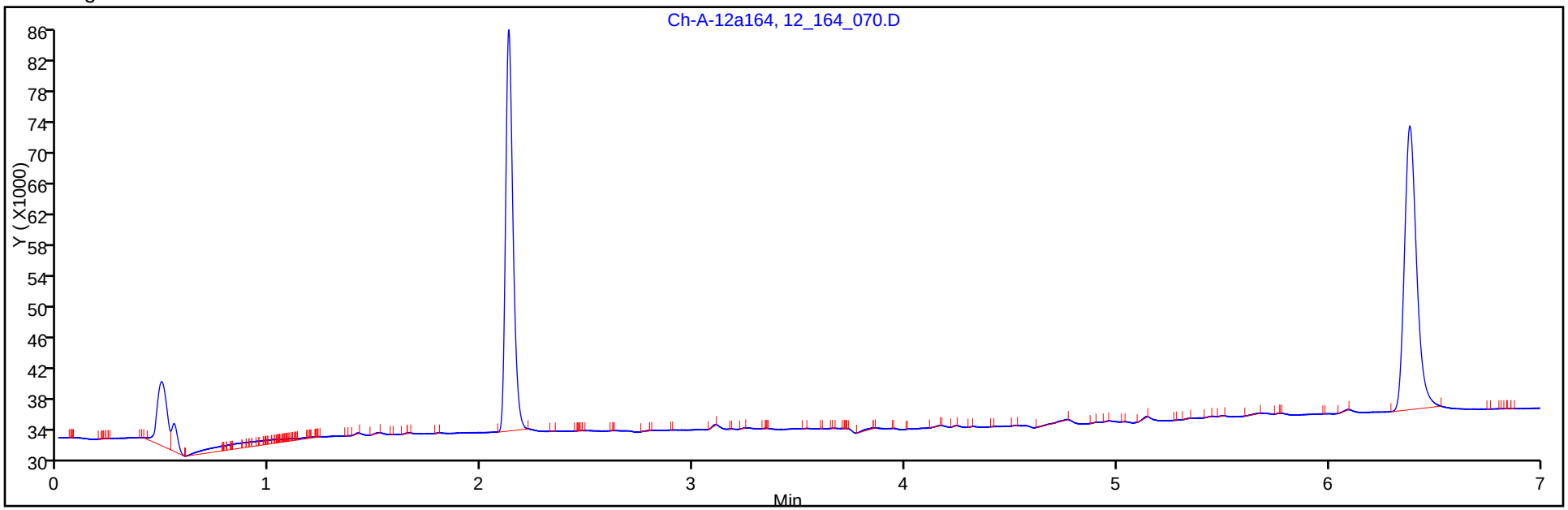
Det	Sig	RT	ADJ RT	DLT RT	Response	On-Col Amt ng/uL	Ratio Range	Ratio	Flags
$ 3 Tetrachloro-m-xylene									
1	1	2.128	2.130	-0.002	125053	0.0287			
2	2	1.653	1.655	-0.002	146311	0.0264			
						RPD = 8.21			
E 12 DCB Decachlorobiphenyl									
1	1	6.383	6.419	-0.036	144657	0.0313			
2	2	5.774	5.809	-0.035	145240	0.0264			
						RPD = 17.08			

Report Date: 11-Apr-2012 10:54:21 Chrom Revision: 2.0 20-Feb-2012 13:27:02

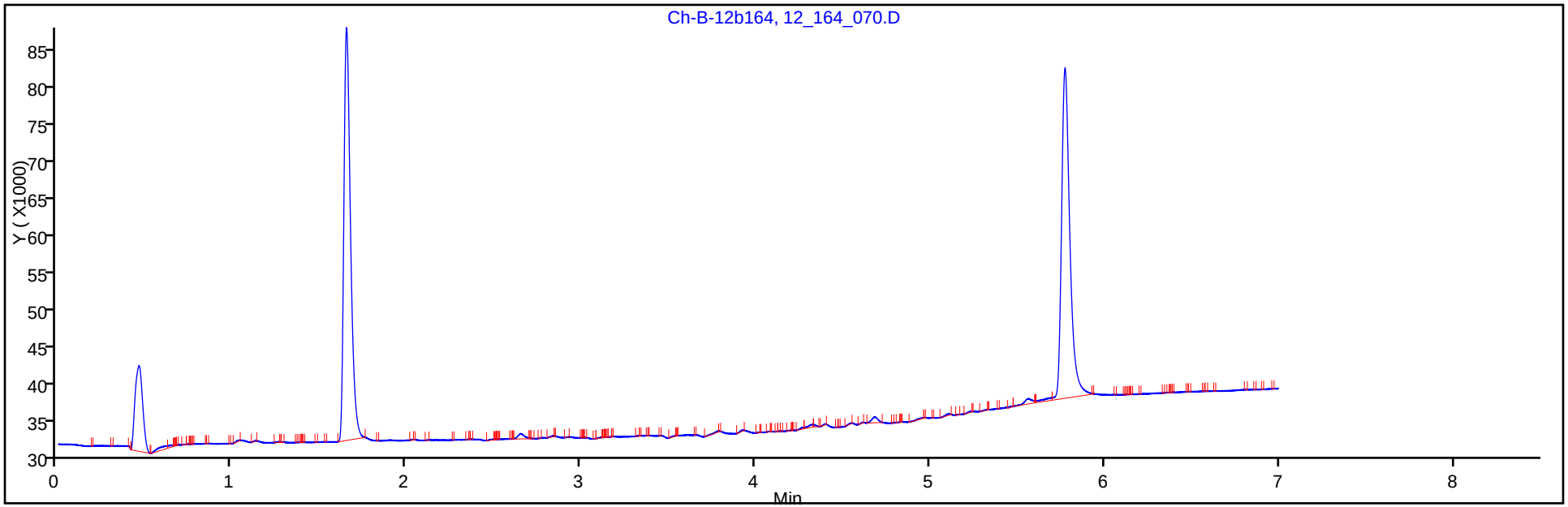
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Injection Date:	11-Apr-2012 08:07:35	Limit Group:	GC - 8082 PCB ICAL
Client ID:	RB-10 (6-12")	Instrument ID:	HP5890-12
Lims Batch ID:	59004	Lims Sample ID:	6
Operator ID:	tchrom	Injection Vol:	1.00 ul

Y Scaling:



Y Scaling:



FORM I
PCBS ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Buffalo Job No.: 480-18292-1

SDG No.:

Client Sample ID: RB-10 (12-24") Lab Sample ID: 480-18292-2

Matrix: Solid Lab File ID: 12_164_071.D

Analysis Method: 8082 Date Collected: 04/05/2012 15:30

Extraction Method: 3550B Date Extracted: 04/10/2012 08:38

Sample wt/vol: +2.27(g) Date Analyzed: 04/11/2012 08:22

Con. Extract Vol.: 10(mL) Dilution Factor: 1

Injection Volume: 1(uL) GC Column: ZB-5 ID: 0.53(mm)

% Moisture: 7.0 GPC Cleanup:(Y/N) N

Analysis Batch No.: 59004 Units: ug/Kg

CAS NO.	SURROGATE	%REC	Q	LIMITS
2051-24-3	DCB Decachlorobiphenyl	155		36-182
877-09-8	Tetrachloro-m-xylene	138		24-172

TestAmerica Laboratories
Target Compound Quantitation Report

Data File:	\\Bufchrom\ChromData\HP5890-12\20120410-10886.b\12_164_071.D		
Lims ID:	480-18292-C-2-C	Client ID:	RB-10 (12-24")
Inject. Date:	11-Apr-2012 08:22:20	Dil. Factor:	1.0000
Sample Type:	Client		
Sample ID:	Name: 480-18292-C-2-C		
Misc. Info.:	Study: 480-0010886-007 Channel B: I/F Serial#, 9205571204		
Operator:	tchrom	Instrument ID:	HP5890-12
Vol. Injected:	1.0000	ALS Bottle#:	0
Lims Batch ID:	59004	Lims Sample ID:	7
Detector 1 :	Ch-A-7A136		
Detector 2 :	Ch-B-7b136		
Method:	\\Bufchrom\ChromData\HP5890-12\20120410-10886.b\hp12_pcb.m		
Last Update:	11-Apr-2012 10:53:34	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: 11-Apr-2012 10:54:31

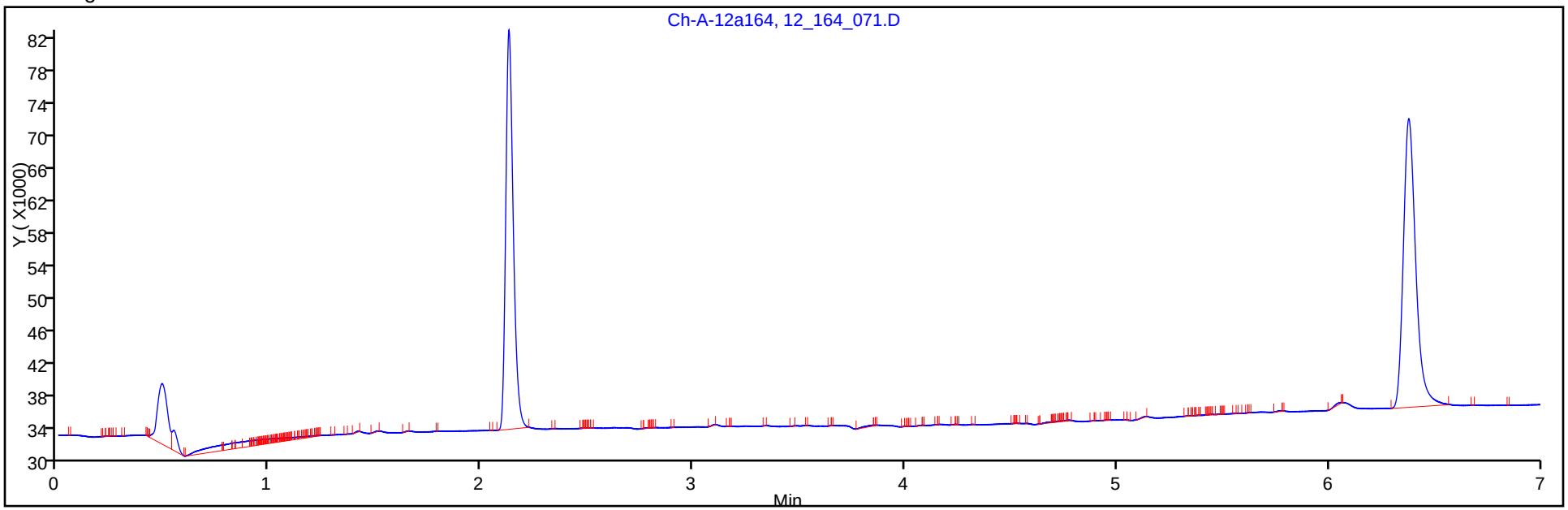
Det	Sig	RT	ADJ RT	DLT RT	Response	On-Col Amt ng/uL	Ratio Range	Ratio	Flags
$ 3 Tetrachloro-m-xylene									
1	1	2.129	2.130	-0.001	119856	0.0276			
2	2	1.653	1.655	-0.002	143993	0.0260			
						RPD = 5.71			
E 12 DCB Decachlorobiphenyl									
1	1	6.379	6.419	-0.040	142642	0.0309			
2	2	5.773	5.809	-0.036	142502	0.0259			
						RPD = 17.57			

Report Date: 11-Apr-2012 10:54:32 Chrom Revision: 2.0 20-Feb-2012 13:27:02

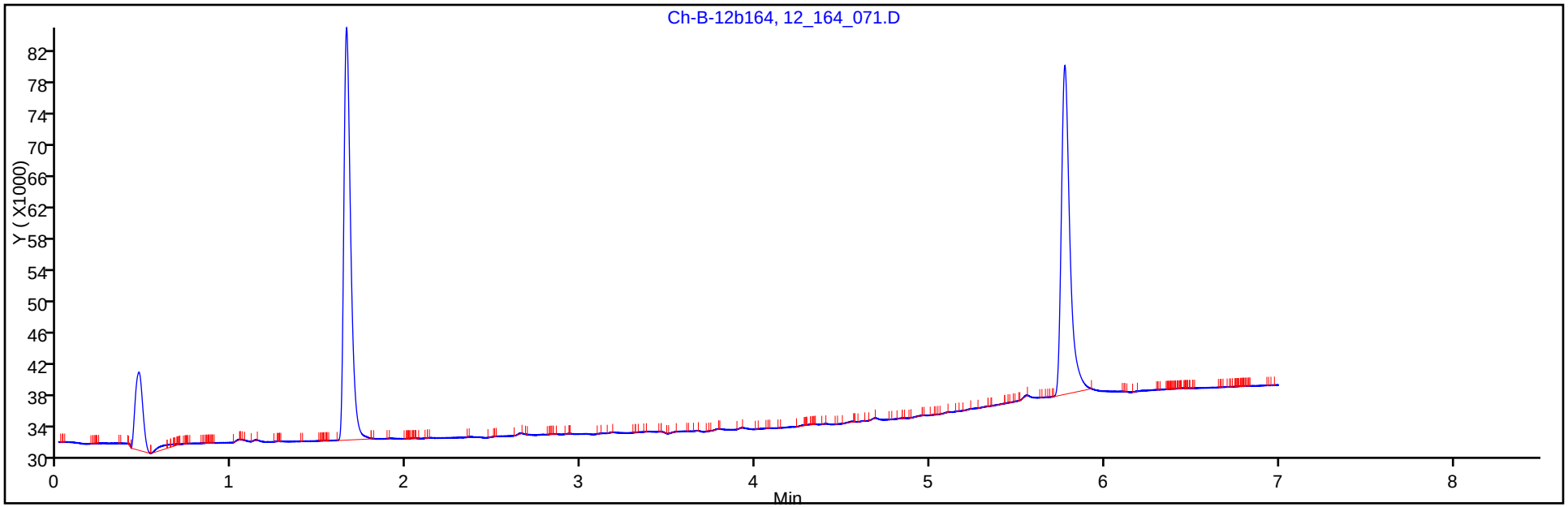
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Injection Date:	11-Apr-2012 08:22:20	Limit Group:	GC - 8082 PCB ICAL
Client ID:	RB-10 (12-24")	Instrument ID:	HP5890-12
Lims Batch ID:	59004	Lims Sample ID:	7
Operator ID:	tchrom	Injection Vol:	1.00 ul

Y Scaling:



Y Scaling:



FORM I
PCBS ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Buffalo | Job No.: 480-18292-1

SDG No.:

Client Sample ID: RB-10 (12-24") | Lab Sample ID: 480-18292-2

Matrix: Solid | Lab File ID: 12_164_071.D

Analysis Method: 8082 | Date Collected: 04/05/2012 15:30

Extraction Method: 3550B | Date Extracted: 04/10/2012 08:38

Sample wt/vol: +2.27(g) | Date Analyzed: 04/11/2012 08:22

Con. Extract Vol.: 10(mL) | Dilution Factor: 1

Injection Volume: 1(uL) | GC Column: ZB-35 ID: 0.53(mm)

% Moisture: 7.0 | GPC Cleanup:(Y/N) N

Analysis Batch No.: 59004 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
12674-11-2	PCB-1016	ND		240	46
11104-28-2	PCB-1221	ND		240	46
11141-16-5	PCB-1232	ND		240	46
53469-21-9	PCB-1242	ND		240	51
12672-29-6	PCB-1248	ND		240	46
11097-69-1	PCB-1254	ND		240	50
11096-82-5	PCB-1260	ND		240	110

CAS NO.	SURROGATE	%REC	Q	LIMITS
2051-24-3	DCB Decachlorobiphenyl	130		36-182
877-09-8	Tetrachloro-m-xylene	130		24-172

TestAmerica Laboratories
Target Compound Quantitation Report

Data File:	\\Bufchrom\ChromData\HP5890-12\20120410-10886.b\12_164_071.D		
Lims ID:	480-18292-C-2-C	Client ID:	RB-10 (12-24")
Inject. Date:	11-Apr-2012 08:22:20	Dil. Factor:	1.0000
Sample Type:	Client		
Sample ID:	Name: 480-18292-C-2-C		
Misc. Info.:	Study: 480-0010886-007 Channel B: I/F Serial#, 9205571204		
Operator:	tchrom	Instrument ID:	HP5890-12
Vol. Injected:	1.0000	ALS Bottle#:	0
Lims Batch ID:	59004	Lims Sample ID:	7
Detector 1 :	Ch-A-7A136		
Detector 2 :	Ch-B-7b136		
Method:	\\Bufchrom\ChromData\HP5890-12\20120410-10886.b\hp12_pcb.m		
Last Update:	11-Apr-2012 10:53:34	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: 11-Apr-2012 10:54:31

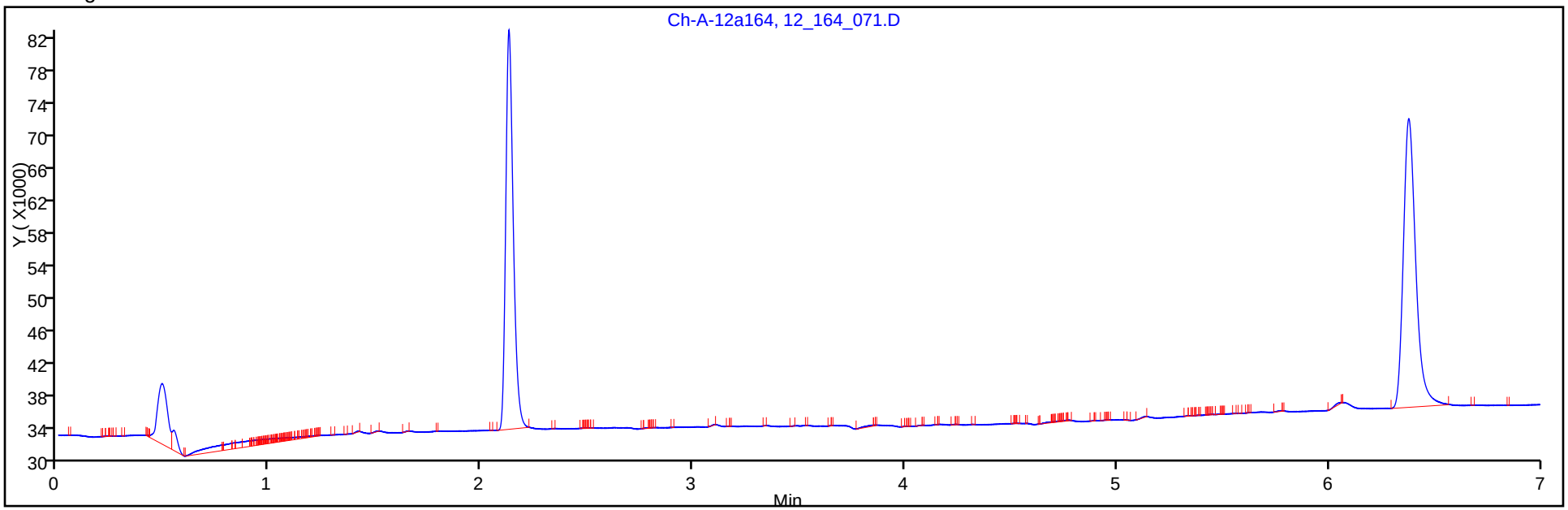
Det	Sig	RT	ADJ RT	DLT RT	Response	On-Col Amt ng/uL	Ratio Range	Ratio	Flags
$ 3 Tetrachloro-m-xylene									
1	1	2.129	2.130	-0.001	119856	0.0276			
2	2	1.653	1.655	-0.002	143993	0.0260			
						RPD = 5.71			
E 12 DCB Decachlorobiphenyl									
1	1	6.379	6.419	-0.040	142642	0.0309			
2	2	5.773	5.809	-0.036	142502	0.0259			
						RPD = 17.57			

Report Date: 11-Apr-2012 10:54:32 Chrom Revision: 2.0 20-Feb-2012 13:27:02

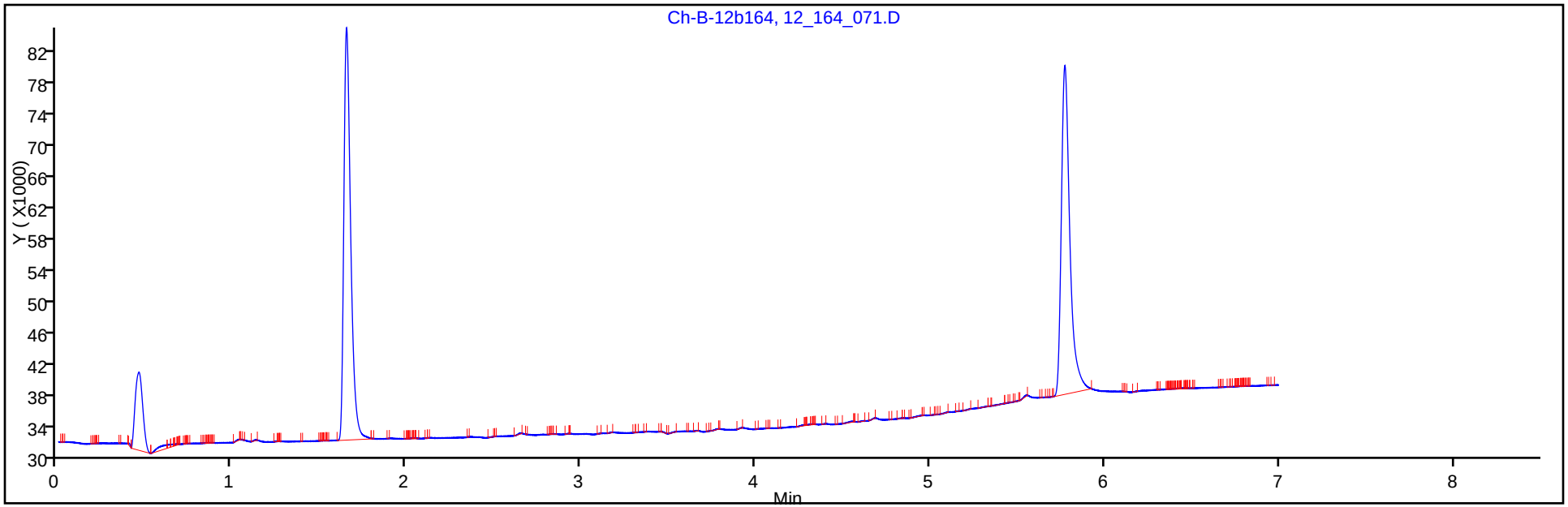
Data File: \\Bufchrom\ChromData\HP5890-12\20120410-10886.b\12_164_071.D

Injection Date:	11-Apr-2012 08:22:20	Limit Group:	GC - 8082 PCB ICAL
Client ID:	RB-10 (12-24")	Instrument ID:	HP5890-12
Lims Batch ID:	59004	Lims Sample ID:	7
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.: 480-18292-1

SDG No.:

Client Sample ID: RB-11 (0-6") Lab Sample ID: 480-18292-3

Matrix: Solid Lab File ID: 12_164_072.D

Analysis Method: 8082 Date Collected: 04/05/2012 17:00

Extraction Method: 3550B Date Extracted: 04/10/2012 08:38

Sample wt/vol: +2.52(g) Date Analyzed: 04/11/2012 08:37

Con. Extract Vol.: 10(mL) Dilution Factor: 1

Injection Volume: 1(uL) GC Column: ZB-5 ID: 0.53(mm)

% Moisture: 6.1 GPC Cleanup:(Y/N) N

Analysis Batch No.: 59004 Units: ug/Kg

CAS NO.	SURROGATE	%REC	Q	LIMITS
2051-24-3	DCB Decachlorobiphenyl	156		36-182
877-09-8	Tetrachloro-m-xylene	142		24-172

TestAmerica Laboratories
Target Compound Quantitation Report

Data File:	\\Bufchrom\ChromData\HP5890-12\20120410-10886.b\12_164_072.D		
Lims ID:	480-18292-B-3-B	Client ID:	RB-11 (0-6")
Inject. Date:	11-Apr-2012 08:37:08	Dil. Factor:	1.0000
Sample Type:	Client		
Sample ID:	Name: 480-18292-B-3-B		
Misc. Info.:	Study: 480-0010886-008 Channel B: I/F Serial#, 9205571204		
Operator:	tchrom	Instrument ID:	HP5890-12
Vol. Injected:	1.0000	ALS Bottle#:	0
Lims Batch ID:	59004	Lims Sample ID:	8
Detector 1 :	Ch-A-7A136		
Detector 2 :	Ch-B-7b136		
Method:	\\Bufchrom\ChromData\HP5890-12\20120410-10886.b\hp12_pcb.m		
Last Update:	11-Apr-2012 10:56:09	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: 11-Apr-2012 10:54:57

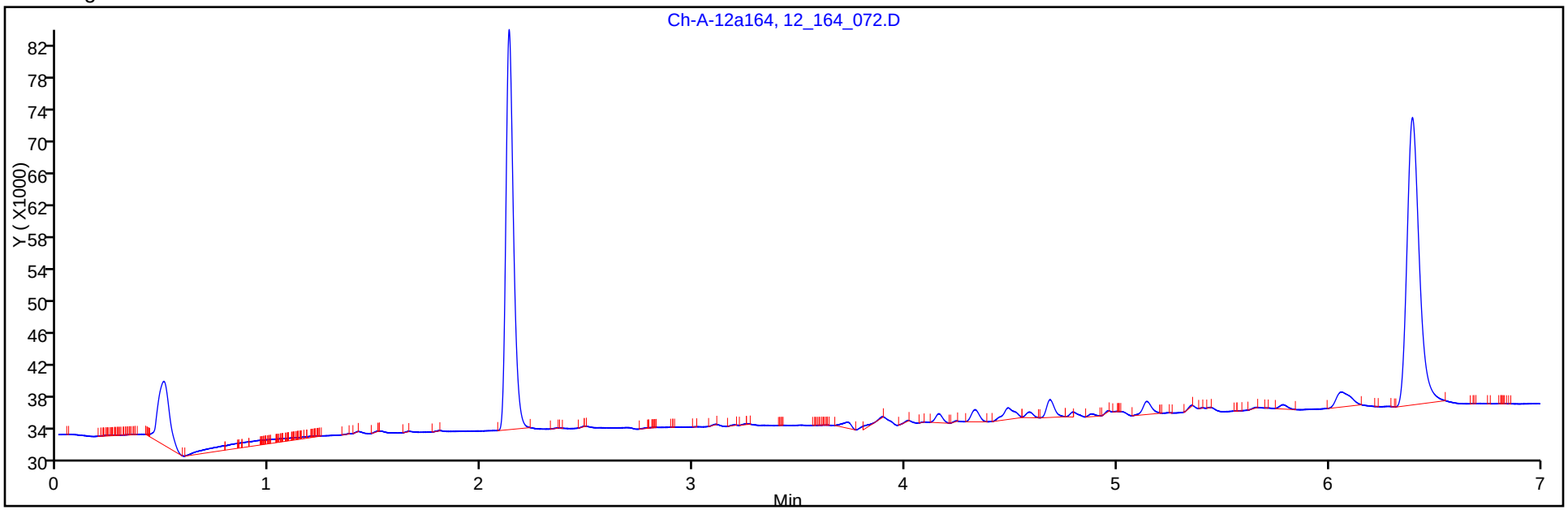
Det	Sig	RT	ADJ RT	DLT RT	Response	On-Col Amt ng/uL	Ratio Range	Ratio	Flags
$ 3 Tetrachloro-m-xylene									
1	1	2.129	2.130	-0.001	123589	0.0284			
2	2	1.655	1.655	0.000	148191	0.0268			
						RPD = 5.86			
E 12 DCB Decachlorobiphenyl									
1	1	6.396	6.419	-0.023	143647	0.0311			
2	2	5.787	5.809	-0.022	153674	0.0279			
						RPD = 10.76			

Report Date: 11-Apr-2012 10:56:09 Chrom Revision: 2.0 20-Feb-2012 13:27:02

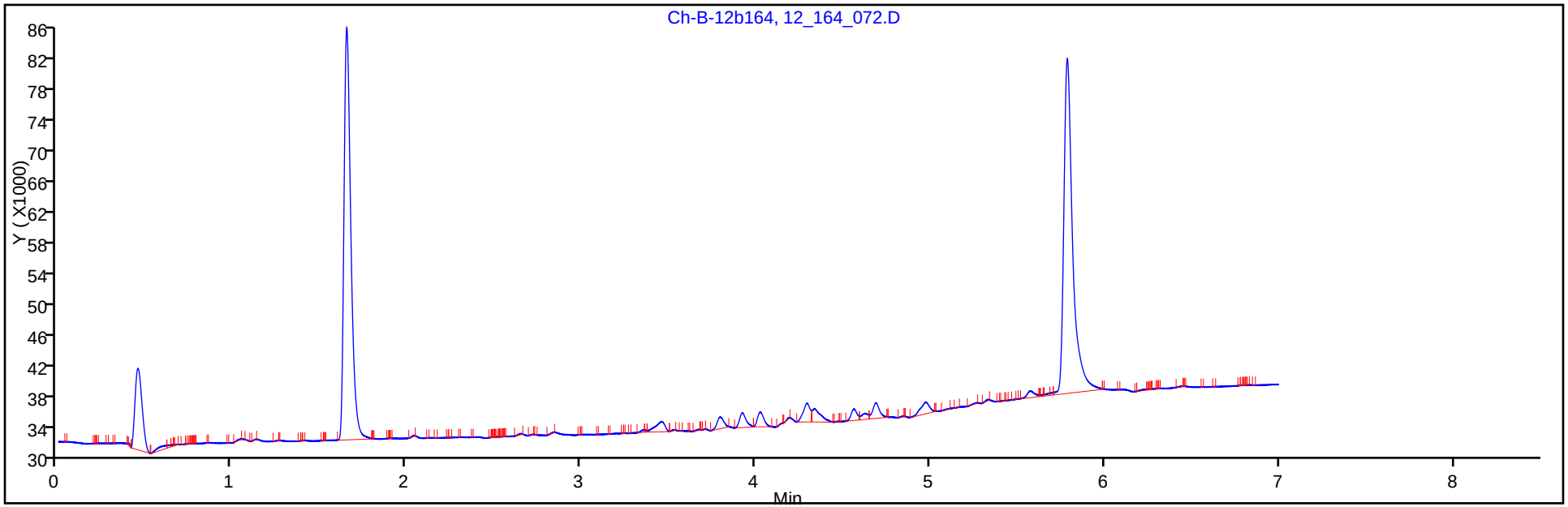
Data File: \\Bufchrom\ChromData\HP5890-12\20120410-10886.b\12_164_072.D

Injection Date:	11-Apr-2012 08:37:08	Limit Group:	GC - 8082 PCB ICAL
Client ID:	RB-11 (0-6")	Instrument ID:	HP5890-12
Lims Batch ID:	59004	Lims Sample ID:	8
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.: 480-18292-1

SDG No.:

Client Sample ID: RB-11 (0-6") | Lab Sample ID: 480-18292-3

Matrix: Solid | Lab File ID: 12_164_072.D

Analysis Method: 8082 | Date Collected: 04/05/2012 17:00

Extraction Method: 3550B | Date Extracted: 04/10/2012 08:38

Sample wt/vol: +2.52(g) | Date Analyzed: 04/11/2012 08:37

Con. Extract Vol.: 10(mL) | Dilution Factor: 1

Injection Volume: 1(uL) | GC Column: ZB-35 ID: 0.53(mm)

% Moisture: 6.1 | GPC Cleanup:(Y/N) N

Analysis Batch No.: 59004 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
12674-11-2	PCB-1016	ND		210	41
11104-28-2	PCB-1221	ND		210	41
11141-16-5	PCB-1232	ND		210	41
53469-21-9	PCB-1242	ND		210	46
12672-29-6	PCB-1248	ND		210	41
11097-69-1	PCB-1254	ND		210	45
11096-82-5	PCB-1260	ND		210	99

CAS NO.	SURROGATE	%REC	Q	LIMITS
2051-24-3	DCB Decachlorobiphenyl	140		36-182
877-09-8	Tetrachloro-m-xylene	134		24-172

TestAmerica Laboratories
Target Compound Quantitation Report

Data File:	\\Bufchrom\ChromData\HP5890-12\20120410-10886.b\12_164_072.D		
Lims ID:	480-18292-B-3-B	Client ID:	RB-11 (0-6")
Inject. Date:	11-Apr-2012 08:37:08	Dil. Factor:	1.0000
Sample Type:	Client		
Sample ID:	Name: 480-18292-B-3-B		
Misc. Info.:	Study: 480-0010886-008 Channel B: I/F Serial#, 9205571204		
Operator:	tchrom	Instrument ID:	HP5890-12
Vol. Injected:	1.0000	ALS Bottle#:	0
Lims Batch ID:	59004	Lims Sample ID:	8
Detector 1 :	Ch-A-7A136		
Detector 2 :	Ch-B-7b136		
Method:	\\Bufchrom\ChromData\HP5890-12\20120410-10886.b\hp12_pcb.m		
Last Update:	11-Apr-2012 10:56:09	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: 11-Apr-2012 10:54:57

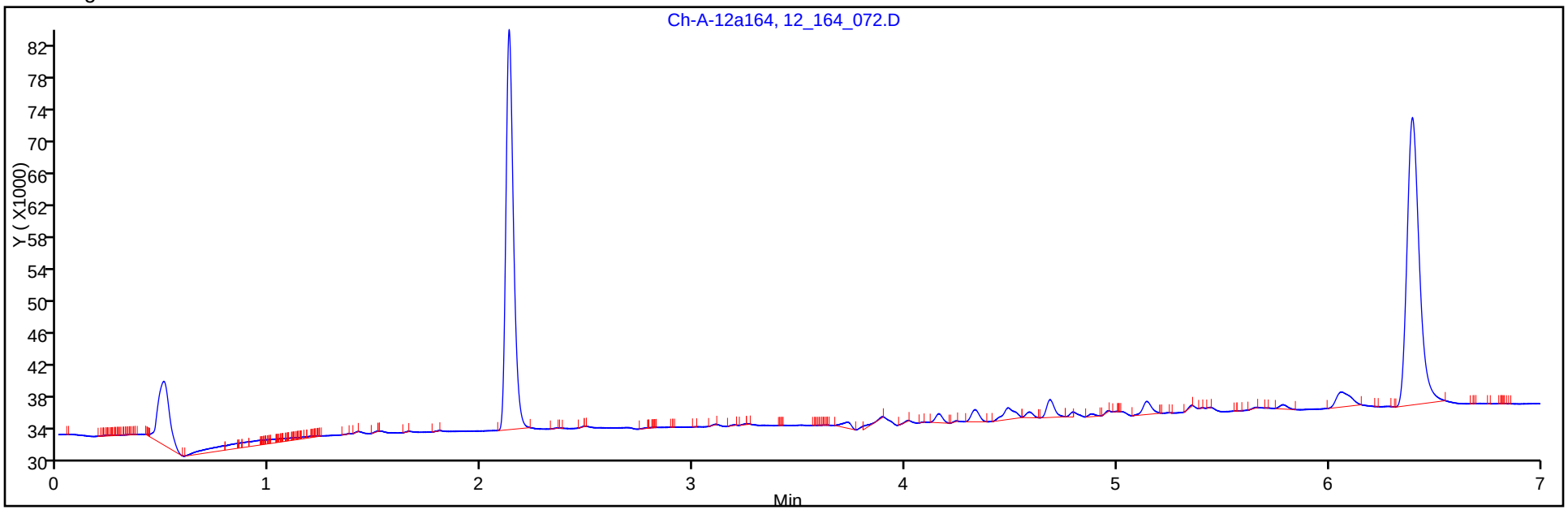
Det	Sig	RT	ADJ RT	DLT RT	Response	On-Col Amt ng/uL	Ratio Range	Ratio	Flags
$ 3 Tetrachloro-m-xylene									
1	1	2.129	2.130	-0.001	123589	0.0284			
2	2	1.655	1.655	0.000	148191	0.0268			
						RPD = 5.86			
E 12 DCB Decachlorobiphenyl									
1	1	6.396	6.419	-0.023	143647	0.0311			
2	2	5.787	5.809	-0.022	153674	0.0279			
						RPD = 10.76			

Report Date: 11-Apr-2012 10:56:10 Chrom Revision: 2.0 20-Feb-2012 13:27:02

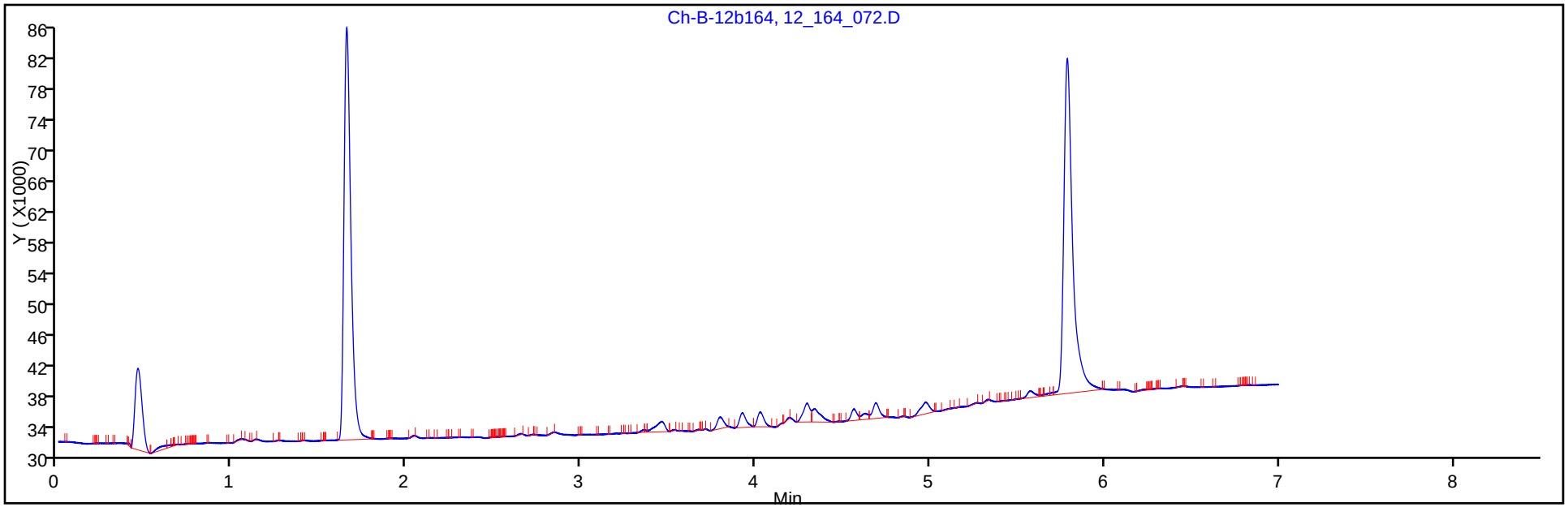
Data File: \\Bufchrom\ChromData\HP5890-12\20120410-10886.b\12_164_072.D

Injection Date:	11-Apr-2012 08:37:08	Limit Group:	GC - 8082 PCB ICAL
Client ID:	RB-11 (0-6")	Instrument ID:	HP5890-12
Lims Batch ID:	59004	Lims Sample ID:	8
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.: 480-18292-1

SDG No.:

Client Sample ID: RB-12 (0-6") Lab Sample ID: 480-18292-4

Matrix: Solid Lab File ID: 12_164_073.D

Analysis Method: 8082 Date Collected: 04/05/2012 17:10

Extraction Method: 3550B Date Extracted: 04/10/2012 08:38

Sample wt/vol: +2.13(g) Date Analyzed: 04/11/2012 08:51

Con. Extract Vol.: 10(mL) Dilution Factor: 1

Injection Volume: 1(uL) GC Column: ZB-5 ID: 0.53(mm)

% Moisture: 4.3 GPC Cleanup:(Y/N) N

Analysis Batch No.: 59004 Units: ug/Kg

CAS NO.	SURROGATE	%REC	Q	LIMITS
2051-24-3	DCB Decachlorobiphenyl	163		36-182
877-09-8	Tetrachloro-m-xylene	142		24-172

TestAmerica Laboratories
Target Compound Quantitation Report

Data File:	\\Bufchrom\ChromData\HP5890-12\20120410-10886.b\12_164_073.D		
Lims ID:	480-18292-B-4-B	Client ID:	RB-12 (0-6")
Inject. Date:	11-Apr-2012 08:51:54	Dil. Factor:	1.0000
Sample Type:	Client		
Sample ID:	Name: 480-18292-B-4-B		
Misc. Info.:	Study: 480-0010886-009 Channel B: I/F Serial#, 9205571204		
Operator:	tchrom	Instrument ID:	HP5890-12
Vol. Injected:	1.0000	ALS Bottle#:	0
Lims Batch ID:	59004	Lims Sample ID:	9
Detector 1 :	Ch-A-7A136		
Detector 2 :	Ch-B-7b136		
Method:	\\Bufchrom\ChromData\HP5890-12\20120410-10886.b\hp12_pcb.m		
Last Update:	11-Apr-2012 10:55:48	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: 11-Apr-2012 10:55:48

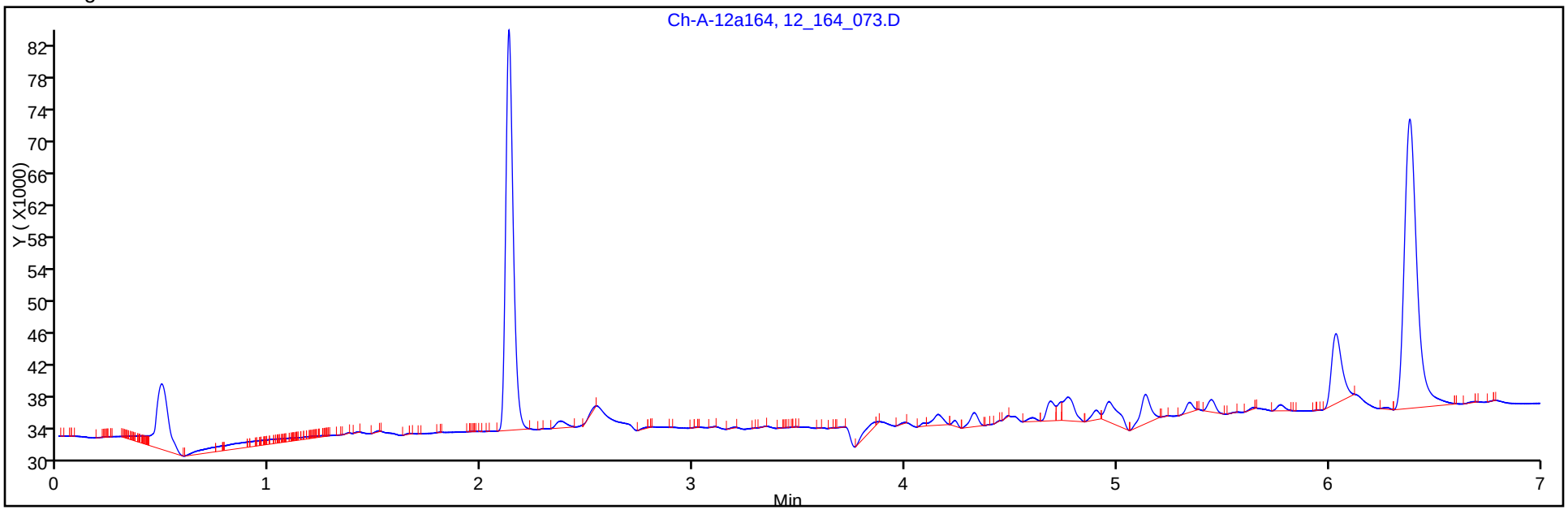
Det	Sig	RT	ADJ RT	DLT RT	Response	On-Col Amt ng/uL	Ratio Range	Ratio	Flags
$ 3 Tetrachloro-m-xylene									
1	1	2.129	2.130	-0.001	123077	0.0283			
2	2	1.654	1.655	-0.001	149643	0.0270			
						RPD = 4.53			
E 12 DCB Decachlorobiphenyl									
1	1	6.384	6.419	-0.035	150132	0.0325			
2	2	5.775	5.809	-0.034	182725	0.0332			
						RPD = 2.13			

Report Date: 11-Apr-2012 10:55:48 Chrom Revision: 2.0 20-Feb-2012 13:27:02

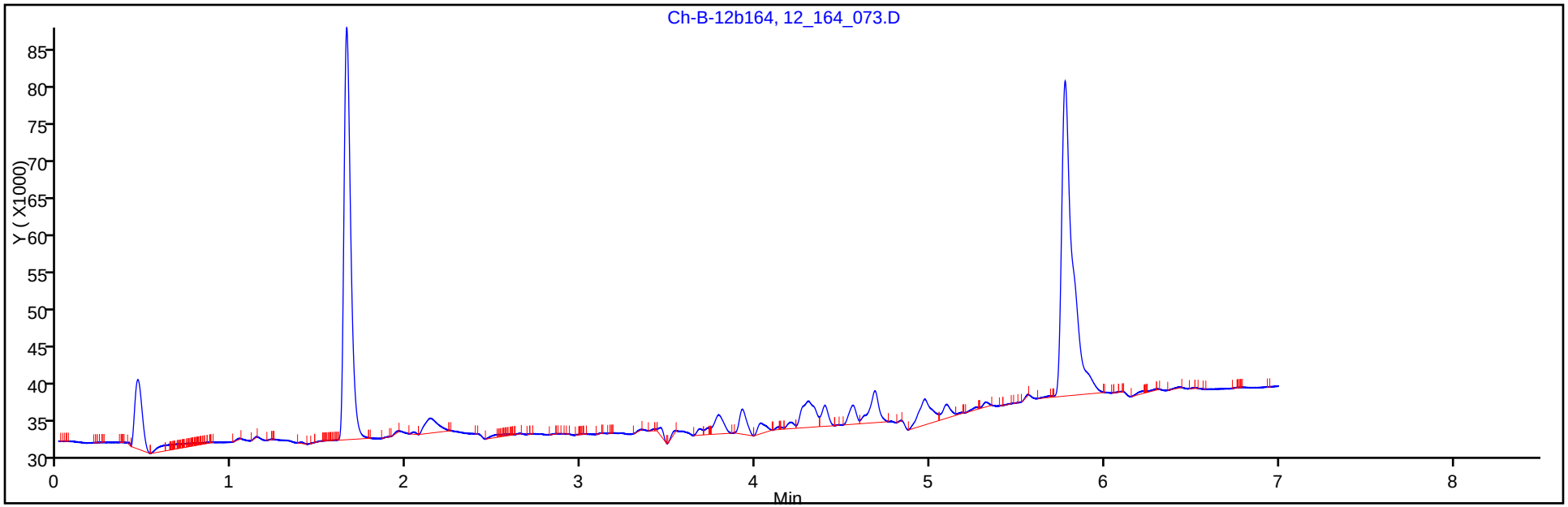
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Injection Date:	11-Apr-2012 08:51:54	Limit Group:	GC - 8082 PCB ICAL
Client ID:	RB-12 (0-6")	Instrument ID:	HP5890-12
Lims Batch ID:	59004	Lims Sample ID:	9
Operator ID:	tchrom	Injection Vol:	1.00 ul

Y Scaling:



Y Scaling:



FORM I
PCBS ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Buffalo | Job No.: 480-18292-1

SDG No.:

Client Sample ID: RB-12 (0-6") | Lab Sample ID: 480-18292-4

Matrix: Solid | Lab File ID: 12_164_073.D

Analysis Method: 8082 | Date Collected: 04/05/2012 17:10

Extraction Method: 3550B | Date Extracted: 04/10/2012 08:38

Sample wt/vol: +2.13(g) | Date Analyzed: 04/11/2012 08:51

Con. Extract Vol.: 10(mL) | Dilution Factor: 1

Injection Volume: 1(uL) | GC Column: ZB-35 ID: 0.53(mm)

% Moisture: 4.3 | GPC Cleanup:(Y/N) N

Analysis Batch No.: 59004 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
12674-11-2	PCB-1016	ND		250	48
11104-28-2	PCB-1221	ND		250	48
11141-16-5	PCB-1232	ND		250	48
53469-21-9	PCB-1242	ND		250	53
12672-29-6	PCB-1248	ND		250	48
11097-69-1	PCB-1254	ND		250	52
11096-82-5	PCB-1260	ND		250	110

CAS NO.	SURROGATE	%REC	Q	LIMITS
2051-24-3	DCB Decachlorobiphenyl	166		36-182
877-09-8	Tetrachloro-m-xylene	135		24-172

TestAmerica Laboratories
Target Compound Quantitation Report

Data File:	\\Bufchrom\ChromData\HP5890-12\20120410-10886.b\12_164_073.D		
Lims ID:	480-18292-B-4-B	Client ID:	RB-12 (0-6")
Inject. Date:	11-Apr-2012 08:51:54	Dil. Factor:	1.0000
Sample Type:	Client		
Sample ID:	Name: 480-18292-B-4-B		
Misc. Info.:	Study: 480-0010886-009 Channel B: I/F Serial#, 9205571204		
Operator:	tchrom	Instrument ID:	HP5890-12
Vol. Injected:	1.0000	ALS Bottle#:	0
Lims Batch ID:	59004	Lims Sample ID:	9
Detector 1 :	Ch-A-7A136		
Detector 2 :	Ch-B-7b136		
Method:	\\Bufchrom\ChromData\HP5890-12\20120410-10886.b\hp12_pcb.m		
Last Update:	11-Apr-2012 10:55:48	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: 11-Apr-2012 10:55:48

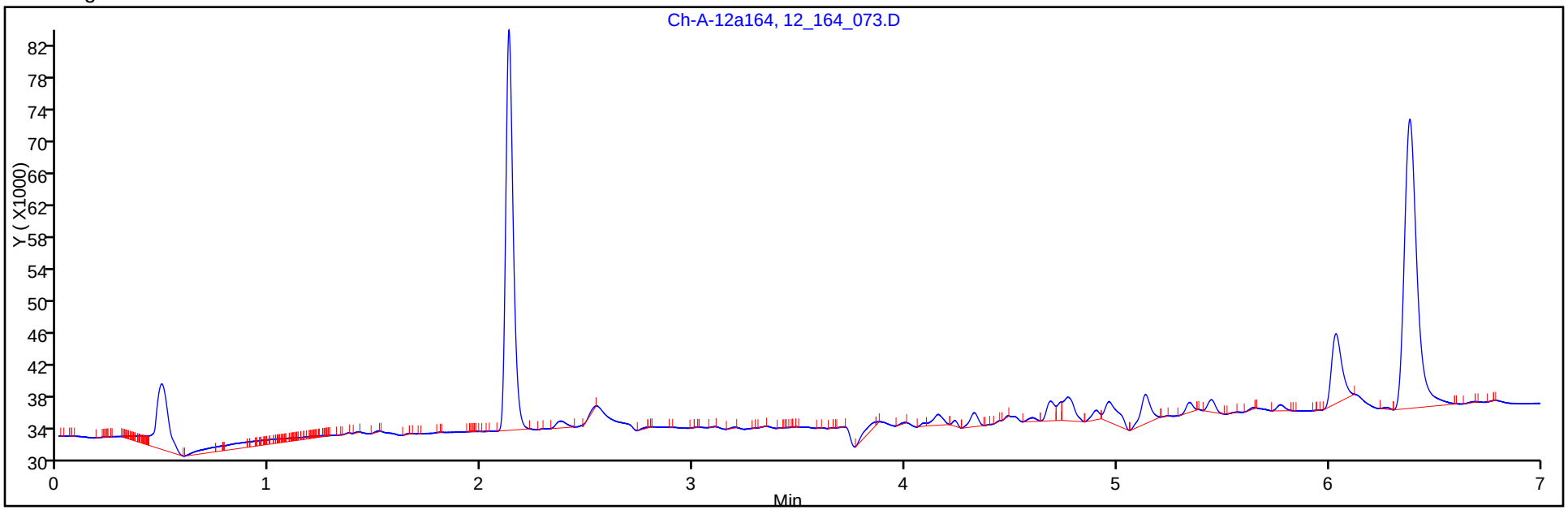
Det	Sig	RT	ADJ RT	DLT RT	Response	On-Col Amt ng/uL	Ratio Range	Ratio	Flags
$ 3 Tetrachloro-m-xylene									
1	1	2.129	2.130	-0.001	123077	0.0283			
2	2	1.654	1.655	-0.001	149643	0.0270			
						RPD = 4.53			
E 12 DCB Decachlorobiphenyl									
1	1	6.384	6.419	-0.035	150132	0.0325			
2	2	5.775	5.809	-0.034	182725	0.0332			
						RPD = 2.13			

Report Date: 11-Apr-2012 10:55:48 Chrom Revision: 2.0 20-Feb-2012 13:27:02

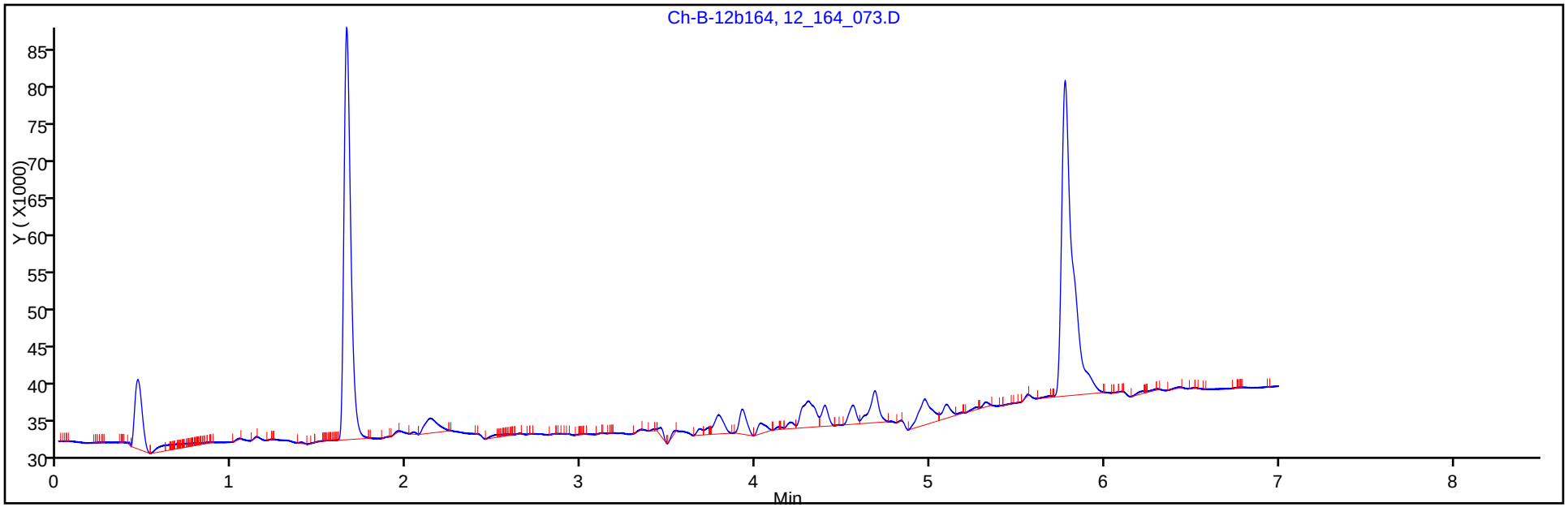
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Injection Date:	11-Apr-2012 08:51:54	Limit Group:	GC - 8082 PCB ICAL
Client ID:	RB-12 (0-6")	Instrument ID:	HP5890-12
Lims Batch ID:	59004	Lims Sample ID:	9
Operator ID:	tchrom	Injection Vol:	1.00 ul

Y Scaling:



Y Scaling:



FORM I
PCBS ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Buffalo Job No.: 480-18292-1

SDG No.:

Client Sample ID: RB-01 (0-6") Lab Sample ID: 480-18292-5

Matrix: Solid Lab File ID: 12_164_074.D

Analysis Method: 8082 Date Collected: 04/05/2012 15:45

Extraction Method: 3550B Date Extracted: 04/10/2012 08:38

Sample wt/vol: +2.18(g) Date Analyzed: 04/11/2012 09:06

Con. Extract Vol.: 10(mL) Dilution Factor: 1

Injection Volume: 1(uL) GC Column: ZB-5 ID: 0.53(mm)

% Moisture: 10.7 GPC Cleanup:(Y/N) N

Analysis Batch No.: 59004 Units: ug/Kg

CAS NO.	SURROGATE	%REC	Q	LIMITS
2051-24-3	DCB Decachlorobiphenyl	157		36-182
877-09-8	Tetrachloro-m-xylene	144		24-172

TestAmerica Laboratories
Target Compound Quantitation Report

Data File:	\\Bufchrom\ChromData\HP5890-12\20120410-10886.b\12_164_074.D		
Lims ID:	480-18292-C-5-E	Client ID:	RB-01 (0-6")
Inject. Date:	11-Apr-2012 09:06:45	Dil. Factor:	1.0000
Sample Type:	Client		
Sample ID:	Name: 480-18292-C-5-E		
Misc. Info.:	Study: 480-0010886-010 Channel B: I/F Serial#, 9205571204		
Operator:	tchrom	Instrument ID:	HP5890-12
Vol. Injected:	1.0000	ALS Bottle#:	0
Lims Batch ID:	59004	Lims Sample ID:	10
Detector 1 :	Ch-A-7A136		
Detector 2 :	Ch-B-7b136		
Method:	\\Bufchrom\ChromData\HP5890-12\20120410-10886.b\hp12_pcb.m		
Last Update:	11-Apr-2012 10:56:09	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: 11-Apr-2012 10:56:25

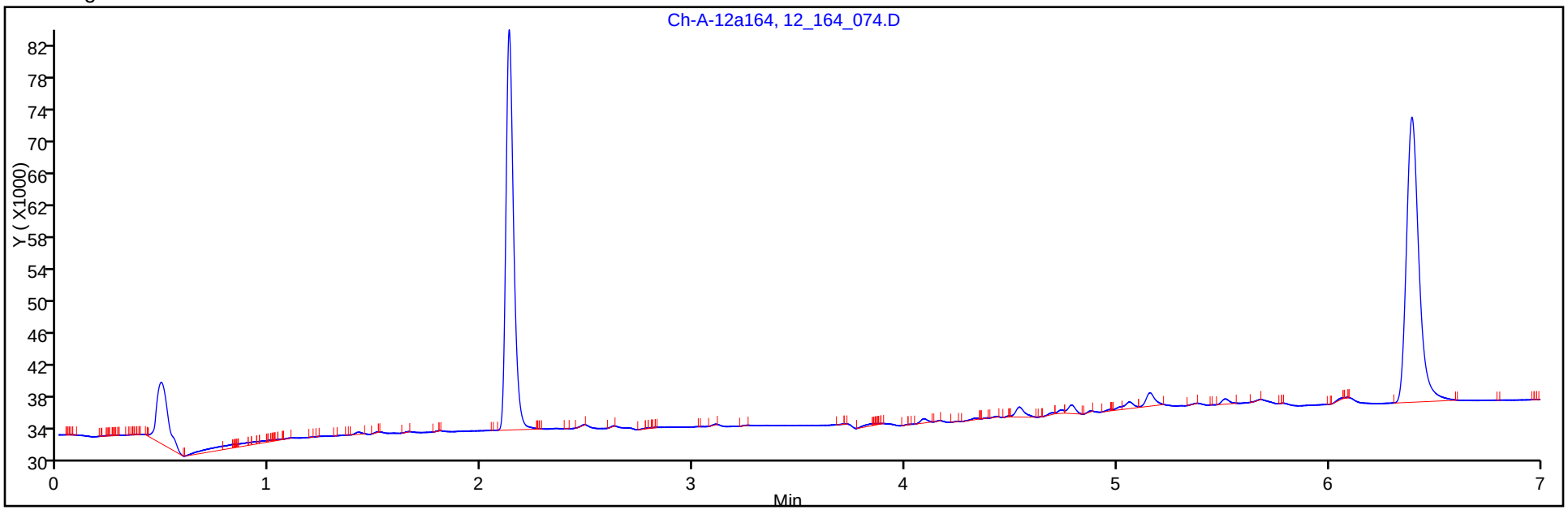
Det	Sig	RT	ADJ RT	DLT RT	Response	On-Col Amt ng/uL	Ratio Range	Ratio	Flags
$ 3 Tetrachloro-m-xylene									
1	1	2.130	2.130	0.000	124984	0.0287			
2	2	1.655	1.655	0.000	147054	0.0266			
						RPD = 7.68			
E 12 DCB Decachlorobiphenyl									
1	1	6.394	6.419	-0.025	144527	0.0313			
2	2	5.784	5.809	-0.025	145040	0.0264			
						RPD = 17.13			

Report Date: 11-Apr-2012 10:56:25 Chrom Revision: 2.0 20-Feb-2012 13:27:02

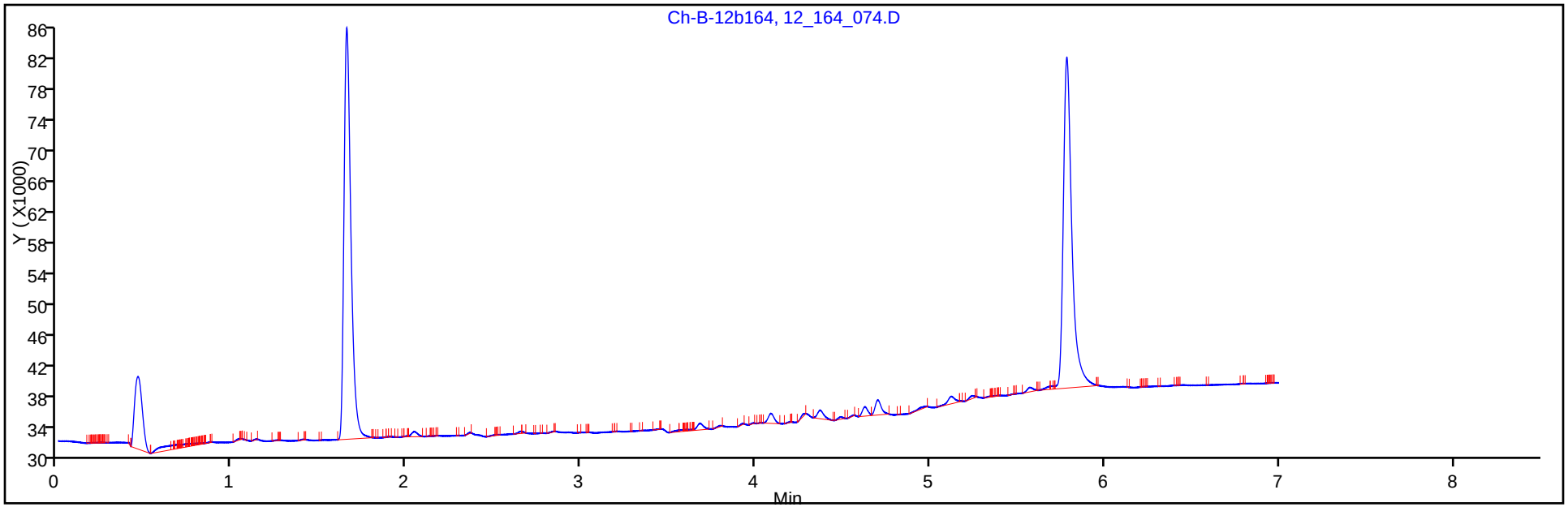
Data File: \\Bufchrom\ChromData\HP5890-12\20120410-10886.b\12_164_074.D

Injection Date:	11-Apr-2012 09:06:45	Limit Group:	GC - 8082 PCB ICAL
Client ID:	RB-01 (0-6")	Instrument ID:	HP5890-12
Lims Batch ID:	59004	Lims Sample ID:	10
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.: 480-18292-1

SDG No.:

Client Sample ID: RB-01 (0-6") | Lab Sample ID: 480-18292-5

Matrix: Solid | Lab File ID: 12_164_074.D

Analysis Method: 8082 | Date Collected: 04/05/2012 15:45

Extraction Method: 3550B | Date Extracted: 04/10/2012 08:38

Sample wt/vol: +2.18(g) | Date Analyzed: 04/11/2012 09:06

Con. Extract Vol.: 10(mL) | Dilution Factor: 1

Injection Volume: 1(uL) | GC Column: ZB-35 ID: 0.53(mm)

% Moisture: 10.7 | GPC Cleanup:(Y/N) N

Analysis Batch No.: 59004 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
12674-11-2	PCB-1016	ND		260	50
11104-28-2	PCB-1221	ND		260	50
11141-16-5	PCB-1232	ND		260	50
53469-21-9	PCB-1242	ND		260	56
12672-29-6	PCB-1248	ND		260	50
11097-69-1	PCB-1254	ND		260	54
11096-82-5	PCB-1260	ND		260	120

CAS NO.	SURROGATE	%REC	Q	LIMITS
2051-24-3	DCB Decachlorobiphenyl	132		36-182
877-09-8	Tetrachloro-m-xylene	133		24-172

TestAmerica Laboratories
Target Compound Quantitation Report

Data File:	\\Bufchrom\ChromData\HP5890-12\20120410-10886.b\12_164_074.D		
Lims ID:	480-18292-C-5-E	Client ID:	RB-01 (0-6")
Inject. Date:	11-Apr-2012 09:06:45	Dil. Factor:	1.0000
Sample Type:	Client		
Sample ID:	Name: 480-18292-C-5-E		
Misc. Info.:	Study: 480-0010886-010 Channel B: I/F Serial#, 9205571204		
Operator:	tchrom	Instrument ID:	HP5890-12
Vol. Injected:	1.0000	ALS Bottle#:	0
Lims Batch ID:	59004	Lims Sample ID:	10
Detector 1 :	Ch-A-7A136		
Detector 2 :	Ch-B-7b136		
Method:	\\Bufchrom\ChromData\HP5890-12\20120410-10886.b\hp12_pcb.m		
Last Update:	11-Apr-2012 10:56:09	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: 11-Apr-2012 10:56:25

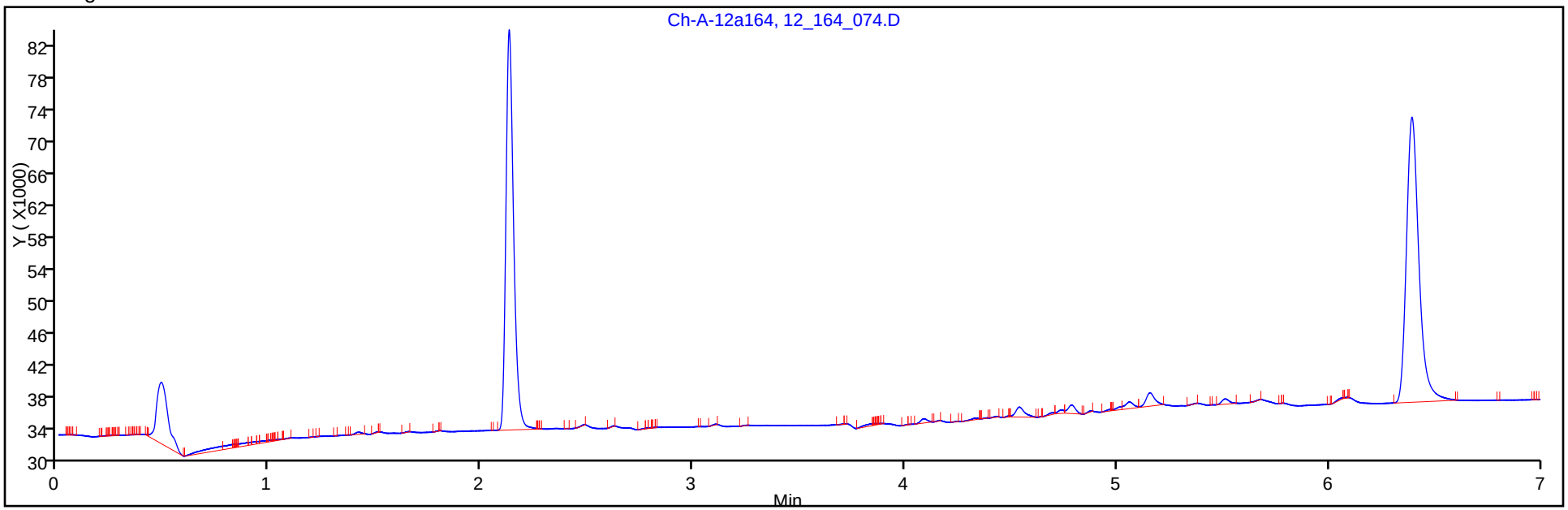
Det	Sig	RT	ADJ RT	DLT RT	Response	On-Col Amt ng/uL	Ratio Range	Ratio	Flags
$ 3 Tetrachloro-m-xylene									
1	1	2.130	2.130	0.000	124984	0.0287			
2	2	1.655	1.655	0.000	147054	0.0266			
						RPD = 7.68			
E 12 DCB Decachlorobiphenyl									
1	1	6.394	6.419	-0.025	144527	0.0313			
2	2	5.784	5.809	-0.025	145040	0.0264			
						RPD = 17.13			

Report Date: 11-Apr-2012 10:56:25 Chrom Revision: 2.0 20-Feb-2012 13:27:02

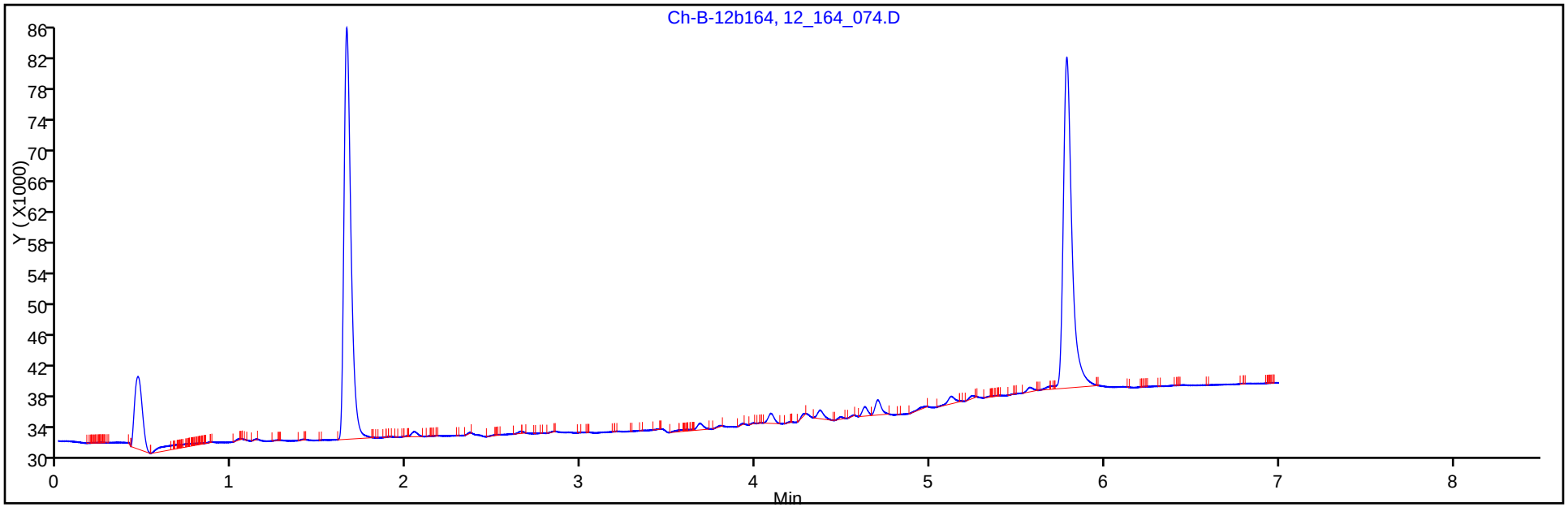
Data File: \\Bufchrom\ChromData\HP5890-12\20120410-10886.b\12_164_074.D

Injection Date:	11-Apr-2012 09:06:45	Limit Group:	GC - 8082 PCB ICAL
Client ID:	RB-01 (0-6")	Instrument ID:	HP5890-12
Lims Batch ID:	59004	Lims Sample ID:	10
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.: 480-18292-1

SDG No.:

Client Sample ID: RB-01 (6-12") Lab Sample ID: 480-18292-6

Matrix: Solid Lab File ID: 12_164_077.D

Analysis Method: 8082 Date Collected: 04/05/2012 16:00

Extraction Method: 3550B Date Extracted: 04/10/2012 08:38

Sample wt/vol: +2.20(g) Date Analyzed: 04/11/2012 09:51

Con. Extract Vol.: 10(mL) Dilution Factor: 1

Injection Volume: 1(uL) GC Column: ZB-5 ID: 0.53(mm)

% Moisture: 16.5 GPC Cleanup:(Y/N) N

Analysis Batch No.: 59004 Units: ug/Kg

CAS NO.	SURROGATE	%REC	Q	LIMITS
2051-24-3	DCB Decachlorobiphenyl	161		36-182
877-09-8	Tetrachloro-m-xylene	144		24-172

TestAmerica Laboratories
Target Compound Quantitation Report

Data File:	\\Bufchrom\ChromData\HP5890-12\20120410-10886.b\12_164_077.D		
Lims ID:	480-18292-A-6-B	Client ID:	RB-01 (6-12")
Inject. Date:	11-Apr-2012 09:51:03	Dil. Factor:	1.0000
Sample Type:	Client		
Sample ID:	Name: 480-18292-A-6-B		
Misc. Info.:	Study: 480-0010886-013 Channel B: I/F Serial#, 9205571204		
Operator:	tchrom	Instrument ID:	HP5890-12
Vol. Injected:	1.0000	ALS Bottle#:	0
Lims Batch ID:	59004	Lims Sample ID:	13
Detector 1 :	Ch-A-7A136		
Detector 2 :	Ch-B-7b136		
Method:	\\Bufchrom\ChromData\HP5890-12\20120410-10886.b\hp12_pcb.m		
Last Update:	11-Apr-2012 10:56:09	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: 11-Apr-2012 10:57:30

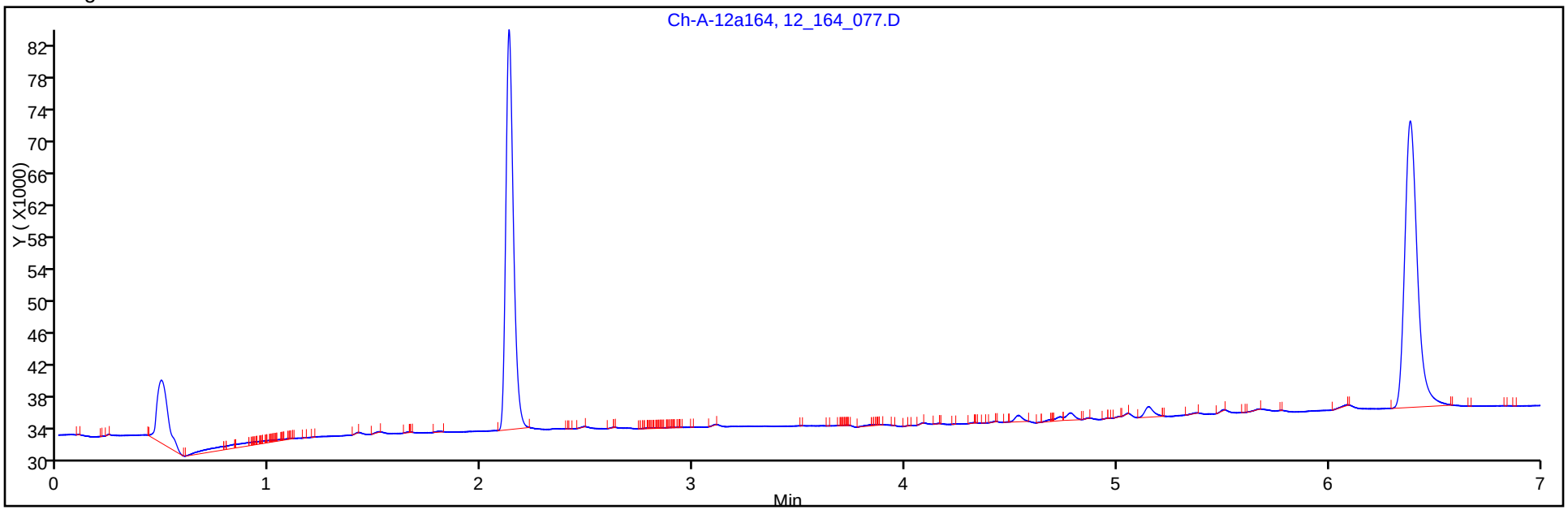
Det	Sig	RT	ADJ RT	DLT RT	Response	On-Col Amt ng/uL	Ratio Range	Ratio	Flags
$ 3 Tetrachloro-m-xylene									
1	1	2.129	2.130	-0.001	125309	0.0288			
2	2	1.655	1.655	0.000	149204	0.0269			
						RPD = 6.53			
E 12 DCB Decachlorobiphenyl									
1	1	6.386	6.419	-0.033	148638	0.0322			
2	2	5.776	5.809	-0.033	147710	0.0268			
						RPD = 18.10			

Report Date: 11-Apr-2012 10:57:30 Chrom Revision: 2.0 20-Feb-2012 13:27:02

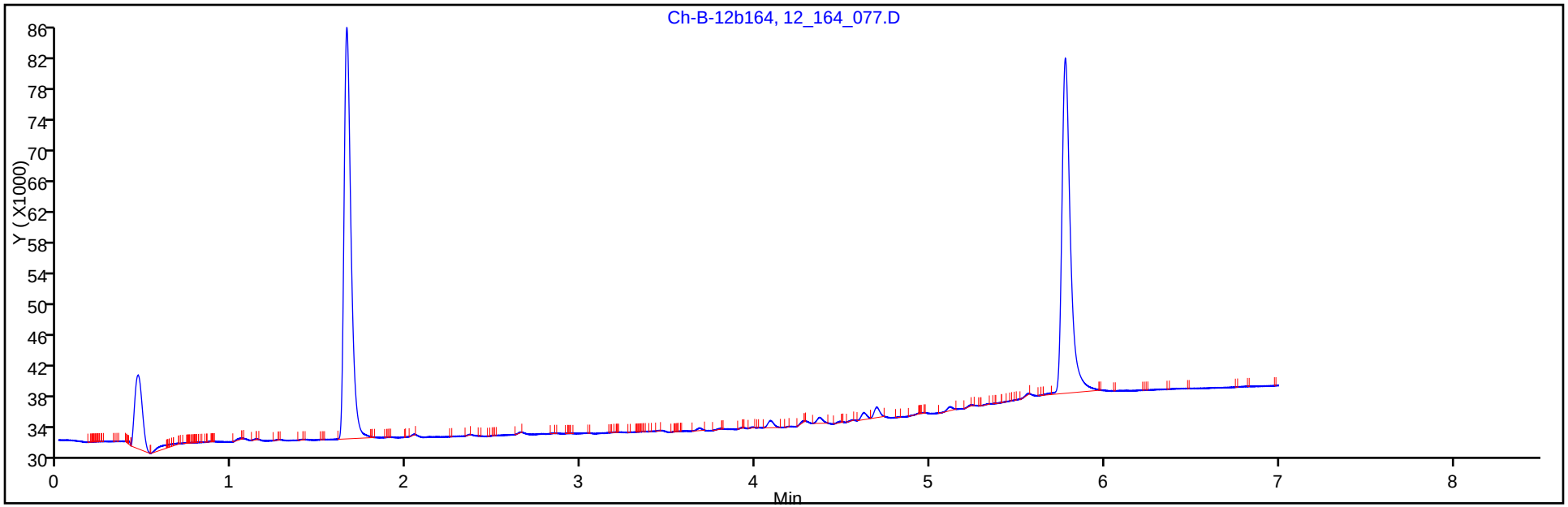
Data File: \\Bufchrom\ChromData\HP5890-12\20120410-10886.b\12_164_077.D

Injection Date:	11-Apr-2012 09:51:03	Limit Group:	GC - 8082 PCB ICAL
Client ID:	RB-01 (6-12")	Instrument ID:	HP5890-12
Lims Batch ID:	59004	Lims Sample ID:	13
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.: 480-18292-1

SDG No.:

Client Sample ID: RB-01 (6-12") | Lab Sample ID: 480-18292-6

Matrix: Solid | Lab File ID: 12_164_077.D

Analysis Method: 8082 | Date Collected: 04/05/2012 16:00

Extraction Method: 3550B | Date Extracted: 04/10/2012 08:38

Sample wt/vol: +2.20(g) | Date Analyzed: 04/11/2012 09:51

Con. Extract Vol.: 10(mL) | Dilution Factor: 1

Injection Volume: 1(uL) | GC Column: ZB-35 ID: 0.53(mm)

% Moisture: 16.5 | GPC Cleanup:(Y/N) N

Analysis Batch No.: 59004 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
12674-11-2	PCB-1016	ND		270	53
11104-28-2	PCB-1221	ND		270	53
11141-16-5	PCB-1232	ND		270	53
53469-21-9	PCB-1242	ND		270	59
12672-29-6	PCB-1248	ND		270	53
11097-69-1	PCB-1254	ND		270	57
11096-82-5	PCB-1260	ND		270	130

CAS NO.	SURROGATE	%REC	Q	LIMITS
2051-24-3	DCB Decachlorobiphenyl	134		36-182
877-09-8	Tetrachloro-m-xylene	135		24-172

TestAmerica Laboratories
Target Compound Quantitation Report

Data File:	\\Bufchrom\ChromData\HP5890-12\20120410-10886.b\12_164_077.D		
Lims ID:	480-18292-A-6-B	Client ID:	RB-01 (6-12")
Inject. Date:	11-Apr-2012 09:51:03	Dil. Factor:	1.0000
Sample Type:	Client		
Sample ID:	Name: 480-18292-A-6-B		
Misc. Info.:	Study: 480-0010886-013 Channel B: I/F Serial#, 9205571204		
Operator:	tchrom	Instrument ID:	HP5890-12
Vol. Injected:	1.0000	ALS Bottle#:	0
Lims Batch ID:	59004	Lims Sample ID:	13
Detector 1 :	Ch-A-7A136		
Detector 2 :	Ch-B-7b136		
Method:	\\Bufchrom\ChromData\HP5890-12\20120410-10886.b\hp12_pcb.m		
Last Update:	11-Apr-2012 10:56:09	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: 11-Apr-2012 10:57:30

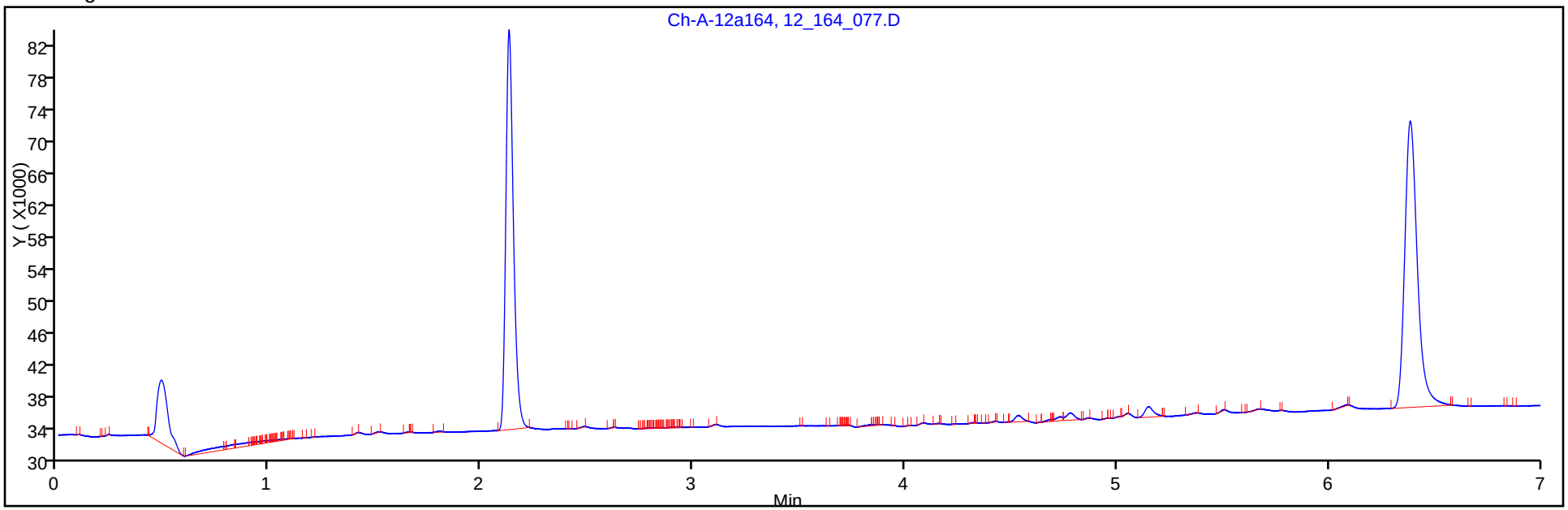
Det	Sig	RT	ADJ RT	DLT RT	Response	On-Col Amt ng/uL	Ratio Range	Ratio	Flags
$ 3 Tetrachloro-m-xylene									
1	1	2.129	2.130	-0.001	125309	0.0288			
2	2	1.655	1.655	0.000	149204	0.0269			
						RPD = 6.53			
E 12 DCB Decachlorobiphenyl									
1	1	6.386	6.419	-0.033	148638	0.0322			
2	2	5.776	5.809	-0.033	147710	0.0268			
						RPD = 18.10			

Report Date: 11-Apr-2012 10:57:30 Chrom Revision: 2.0 20-Feb-2012 13:27:02

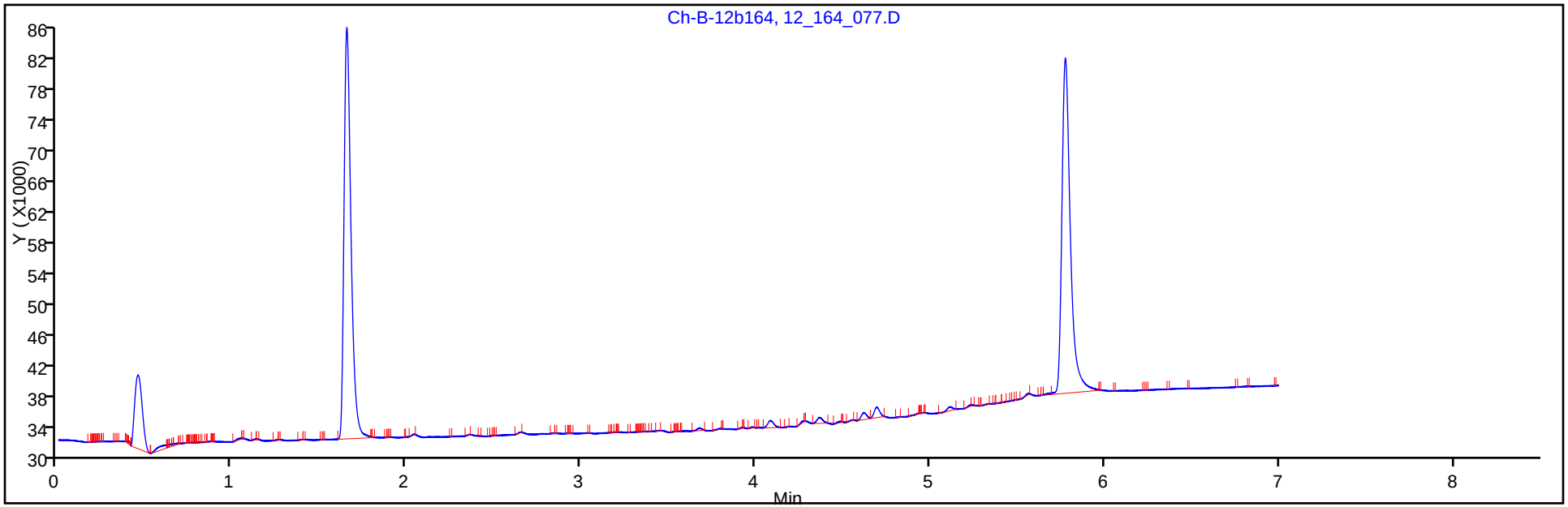
Data File: \\Bufchrom\ChromData\HP5890-12\20120410-10886.b\12_164_077.D

Injection Date:	11-Apr-2012 09:51:03	Limit Group:	GC - 8082 PCB ICAL
Client ID:	RB-01 (6-12")	Instrument ID:	HP5890-12
Lims Batch ID:	59004	Lims Sample ID:	13
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.: 480-18292-1

SDG No.:

Client Sample ID: RB-01 (12-24") Lab Sample ID: 480-18292-7

Matrix: Solid Lab File ID: 12_164_080.D

Analysis Method: 8082 Date Collected: 04/05/2012 16:10

Extraction Method: 3550B Date Extracted: 04/10/2012 08:38

Sample wt/vol: +2.12(g) Date Analyzed: 04/11/2012 10:35

Con. Extract Vol.: 10(mL) Dilution Factor: 1

Injection Volume: 1(uL) GC Column: ZB-5 ID: 0.53(mm)

% Moisture: 17.5 GPC Cleanup:(Y/N) N

Analysis Batch No.: 59004 Units: ug/Kg

CAS NO.	SURROGATE	%REC	Q	LIMITS
2051-24-3	DCB Decachlorobiphenyl	159		36-182
877-09-8	Tetrachloro-m-xylene	142		24-172

TestAmerica Laboratories
Target Compound Quantitation Report

Data File:	\\Bufchrom\ChromData\HP5890-12\20120410-10886.b\12_164_080.D		
Lims ID:	480-18292-C-7-C	Client ID:	RB-01 (12-24")
Inject. Date:	11-Apr-2012 10:35:29	Dil. Factor:	1.0000
Sample Type:	Client		
Sample ID:	Name: 480-18292-C-7-C		
Misc. Info.:	Study: 480-0010886-016 Channel B: I/F Serial#, 9205571204		
Operator:	tchrom	Instrument ID:	HP5890-12
Vol. Injected:	1.0000	ALS Bottle#:	0
Lims Batch ID:	59004	Lims Sample ID:	16
Detector 1 :	Ch-A-7A136		
Detector 2 :	Ch-B-7b136		
Method:	\\Bufchrom\ChromData\HP5890-12\20120410-10886.b\hp12_pcb.m		
Last Update:	11-Apr-2012 13:00:17	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: 11-Apr-2012 13:21:33

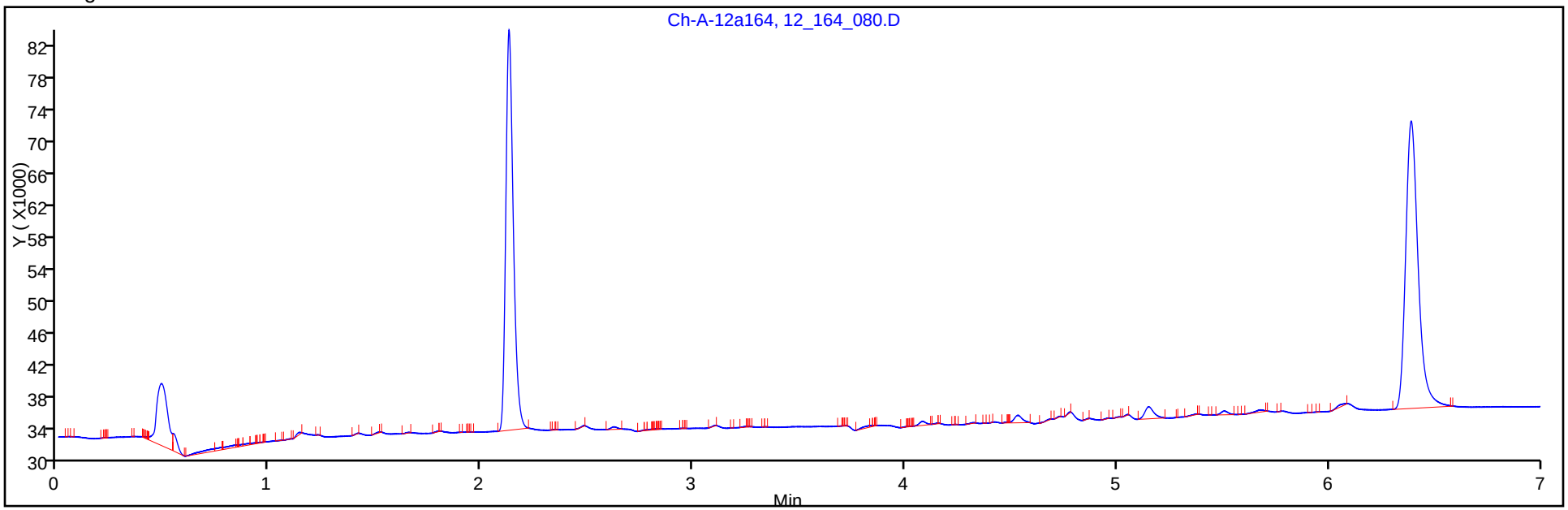
Det	Sig	RT	ADJ RT	DLT RT	Response	On-Col Amt ng/uL	Ratio Range	Ratio	Flags
$ 3 Tetrachloro-m-xylene									
1	1	2.129	2.128	0.001	123962	0.0285			
2	2	1.655	1.654	0.001	145303	0.0263			
						RPD = 8.04			
E 12 DCB Decachlorobiphenyl									
1	1	6.390	6.384	0.006	147231	0.0319			
2	2	5.780	5.774	0.006	146567	0.0266			
						RPD = 17.93			

Report Date: 11-Apr-2012 13:21:33 Chrom Revision: 2.0 20-Feb-2012 13:27:02

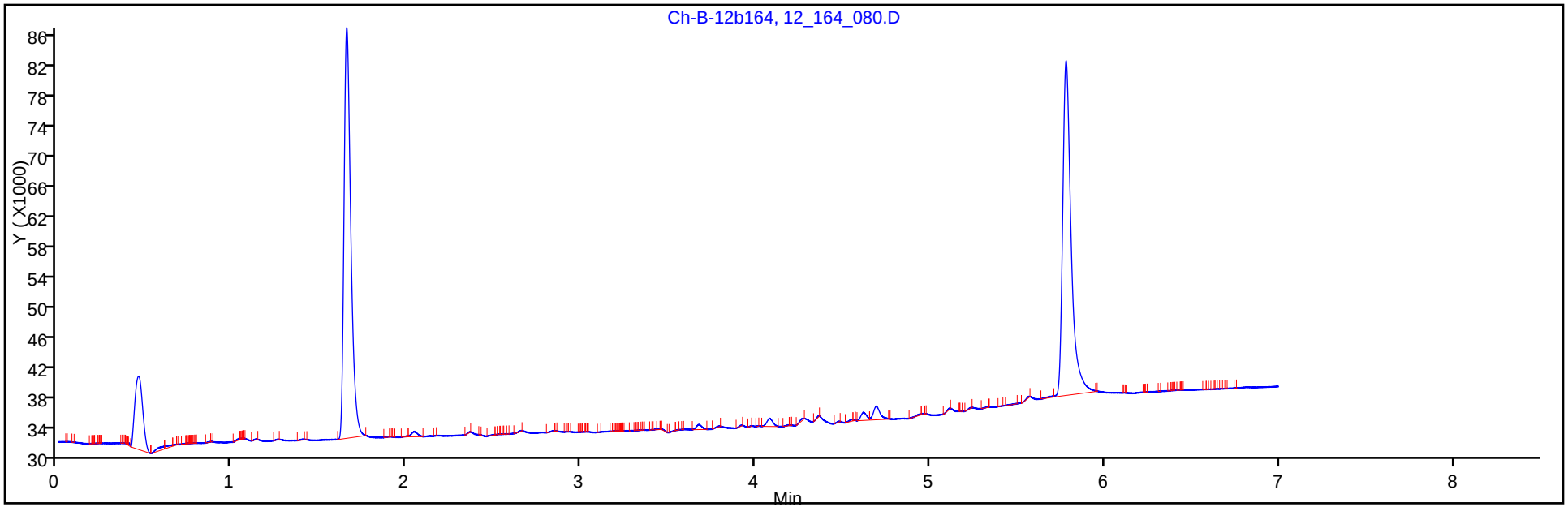
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Injection Date:	11-Apr-2012 10:35:29	Limit Group:	GC - 8082 PCB ICAL
Client ID:	RB-01 (12-24")	Instrument ID:	HP5890-12
Lims Batch ID:	59004	Lims Sample ID:	16
Operator ID:	tchrom	Injection Vol:	1.00 ul

Y Scaling:



Y Scaling:



FORM I
PCBS ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Buffalo | Job No.: 480-18292-1

SDG No.:

Client Sample ID: RB-01 (12-24") | Lab Sample ID: 480-18292-7

Matrix: Solid | Lab File ID: 12_164_080.D

Analysis Method: 8082 | Date Collected: 04/05/2012 16:10

Extraction Method: 3550B | Date Extracted: 04/10/2012 08:38

Sample wt/vol: +2.12(g) | Date Analyzed: 04/11/2012 10:35

Con. Extract Vol.: 10(mL) | Dilution Factor: 1

Injection Volume: 1(uL) | GC Column: ZB-35 ID: 0.53(mm)

% Moisture: 17.5 | GPC Cleanup:(Y/N) N

Analysis Batch No.: 59004 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
12674-11-2	PCB-1016	ND		290	56
11104-28-2	PCB-1221	ND		290	56
11141-16-5	PCB-1232	ND		290	56
53469-21-9	PCB-1242	ND		290	62
12672-29-6	PCB-1248	ND		290	56
11097-69-1	PCB-1254	ND		290	60
11096-82-5	PCB-1260	ND		290	130

CAS NO.	SURROGATE	%REC	Q	LIMITS
2051-24-3	DCB Decachlorobiphenyl	133		36-182
877-09-8	Tetrachloro-m-xylene	131		24-172

TestAmerica Laboratories
Target Compound Quantitation Report

Data File:	\\Bufchrom\ChromData\HP5890-12\20120410-10886.b\12_164_080.D		
Lims ID:	480-18292-C-7-C	Client ID:	RB-01 (12-24")
Inject. Date:	11-Apr-2012 10:35:29	Dil. Factor:	1.0000
Sample Type:	Client		
Sample ID:	Name: 480-18292-C-7-C		
Misc. Info.:	Study: 480-0010886-016 Channel B: I/F Serial#, 9205571204		
Operator:	tchrom	Instrument ID:	HP5890-12
Vol. Injected:	1.0000	ALS Bottle#:	0
Lims Batch ID:	59004	Lims Sample ID:	16
Detector 1 :	Ch-A-7A136		
Detector 2 :	Ch-B-7b136		
Method:	\\Bufchrom\ChromData\HP5890-12\20120410-10886.b\hp12_pcb.m		
Last Update:	11-Apr-2012 13:00:17	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: 11-Apr-2012 13:21:33

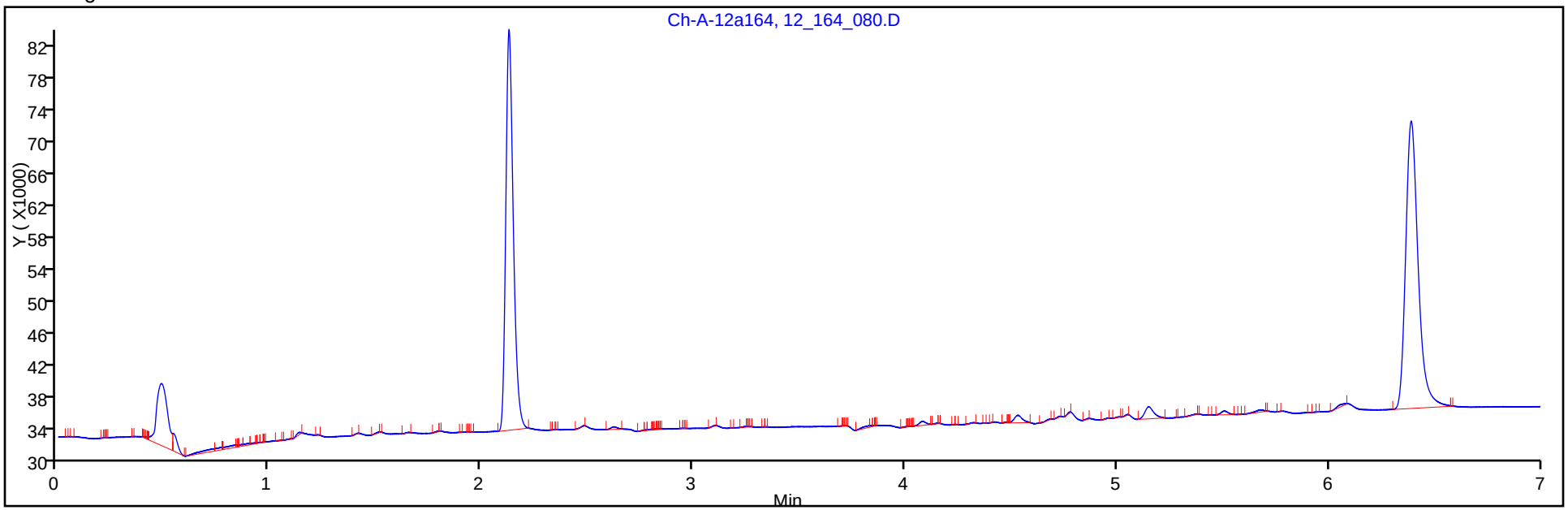
Det	Sig	RT	ADJ RT	DLT RT	Response	On-Col Amt ng/uL	Ratio Range	Ratio	Flags
$ 3 Tetrachloro-m-xylene									
1	1	2.129	2.128	0.001	123962	0.0285			
2	2	1.655	1.654	0.001	145303	0.0263			
						RPD = 8.04			
E 12 DCB Decachlorobiphenyl									
1	1	6.390	6.384	0.006	147231	0.0319			
2	2	5.780	5.774	0.006	146567	0.0266			
						RPD = 17.93			

Report Date: 11-Apr-2012 13:21:34 Chrom Revision: 2.0 20-Feb-2012 13:27:02

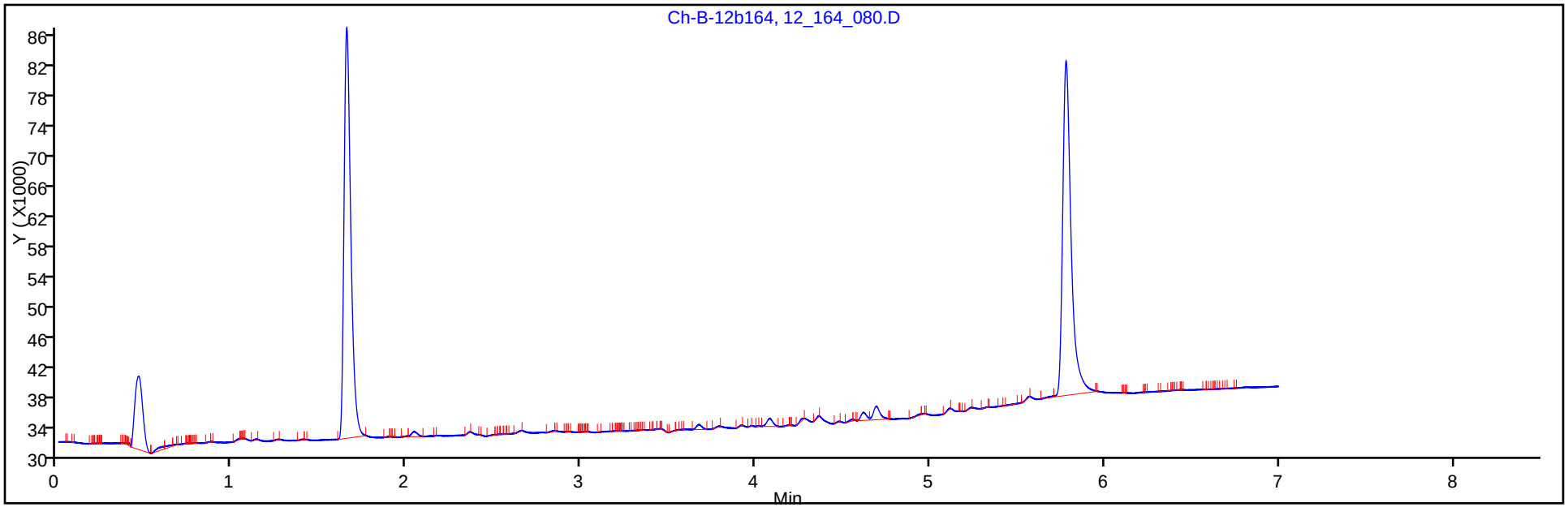
Data File: \\Bufchrom\ChromData\HP5890-12\20120410-10886.b\12_164_080.D

Injection Date:	11-Apr-2012 10:35:29	Limit Group:	GC - 8082 PCB ICAL
Client ID:	RB-01 (12-24")	Instrument ID:	HP5890-12
Lims Batch ID:	59004	Lims Sample ID:	16
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.: 480-18292-1

SDG No.:

Client Sample ID: RB-02 (0-6") | Lab Sample ID: 480-18292-8

Matrix: Solid | Lab File ID: 12_164_081.D

Analysis Method: 8082 | Date Collected: 04/05/2012 16:20

Extraction Method: 3550B | Date Extracted: 04/10/2012 08:38

Sample wt/vol: +2.80(g) | Date Analyzed: 04/11/2012 10:50

Con. Extract Vol.: 10(mL) | Dilution Factor: 1

Injection Volume: 1(uL) | GC Column: ZB-5 ID: 0.53(mm)

% Moisture: 6.8 | GPC Cleanup:(Y/N) N

Analysis Batch No.: 59004 | Units: ug/Kg

CAS NO.	SURROGATE	%REC	Q	LIMITS
2051-24-3	DCB Decachlorobiphenyl	169		36-182
877-09-8	Tetrachloro-m-xylene	149		24-172

TestAmerica Laboratories
Target Compound Quantitation Report

Data File:	\\Bufchrom\ChromData\HP5890-12\20120410-10886.b\12_164_081.D		
Lims ID:	480-18292-B-8-B	Client ID:	RB-02 (0-6")
Inject. Date:	11-Apr-2012 10:50:18	Dil. Factor:	1.0000
Sample Type:	Client		
Sample ID:	Name: 480-18292-B-8-B		
Misc. Info.:	Study: 480-0010886-017 Channel B: I/F Serial#, 9205571204		
Operator:	tchrom	Instrument ID:	HP5890-12
Vol. Injected:	1.0000	ALS Bottle#:	0
Lims Batch ID:	59004	Lims Sample ID:	17
Detector 1 :	Ch-A-7A136		
Detector 2 :	Ch-B-7b136		
Method:	\\Bufchrom\ChromData\HP5890-12\20120410-10886.b\hp12_pcb.m		
Last Update:	11-Apr-2012 13:00:17	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: 11-Apr-2012 13:21:38

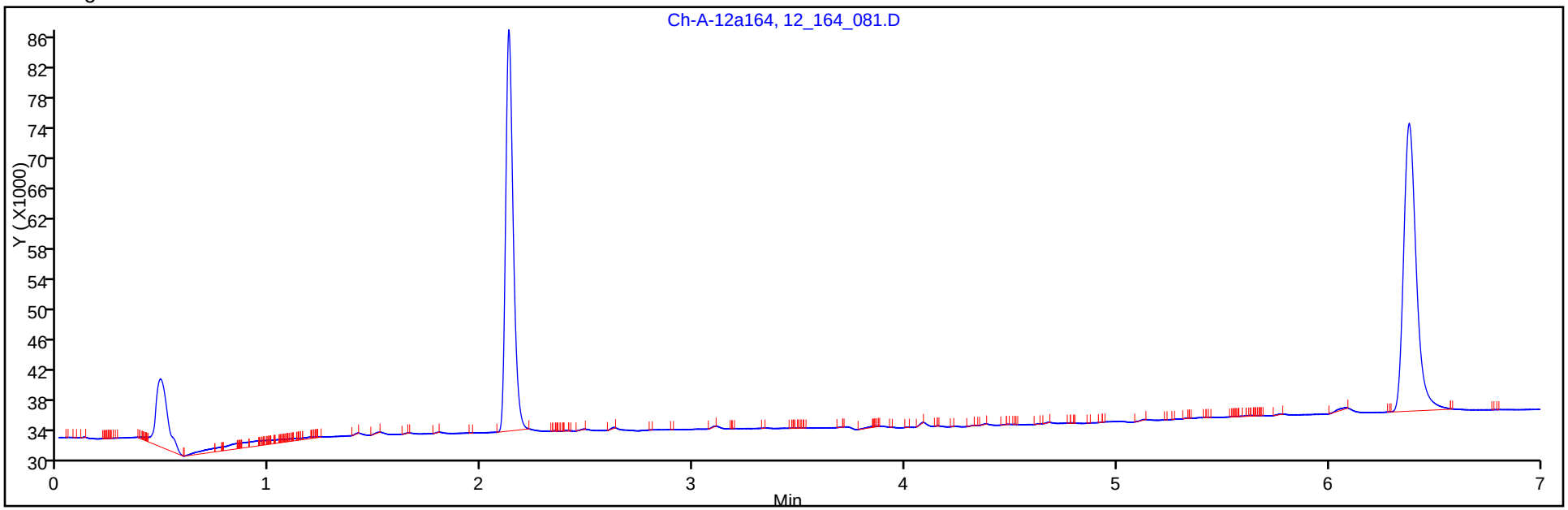
Det	Sig	RT	ADJ RT	DLT RT	Response	On-Col Amt ng/uL	Ratio Range	Ratio	Flags
$ 3 Tetrachloro-m-xylene									
1	1	2.128	2.128	0.000	130455	0.0299			
2	2	1.654	1.654	0.000	156607	0.0282			
						RPD = 5.70			
E 12 DCB Decachlorobiphenyl									
1	1	6.381	6.384	-0.003	156114	0.0338			
2	2	5.773	5.774	-0.001	158015	0.0287			
						RPD = 16.28			

Report Date: 11-Apr-2012 13:21:38 Chrom Revision: 2.0 20-Feb-2012 13:27:02

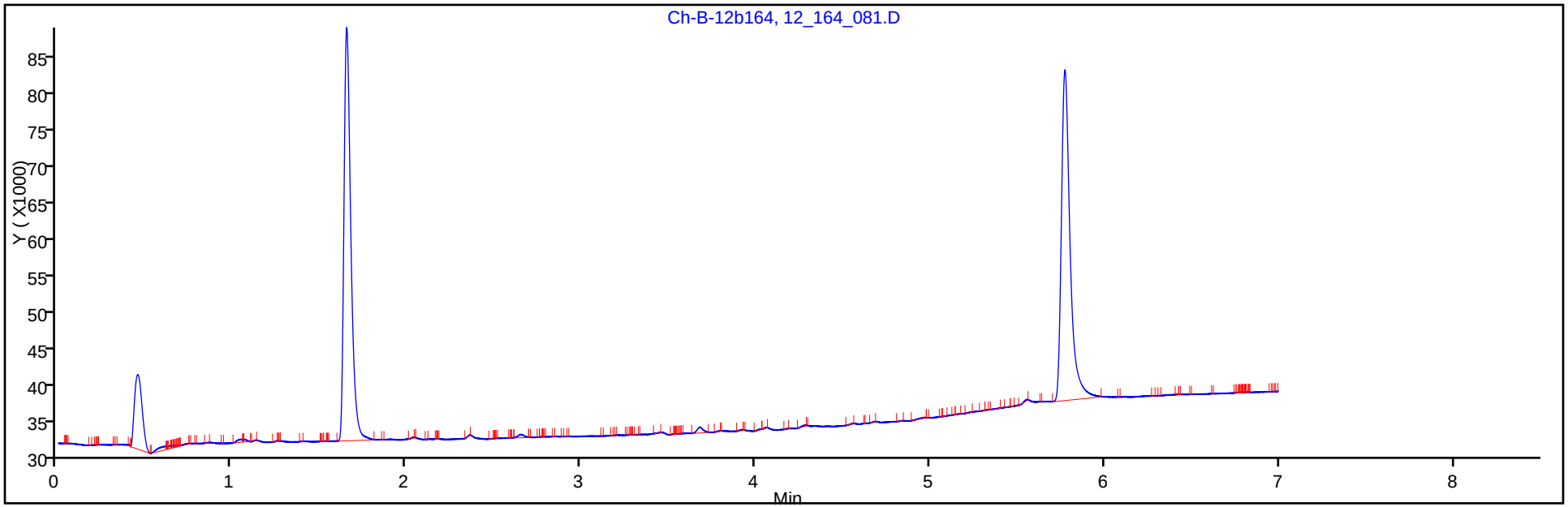
Data File: \\Bufchrom\ChromData\HP5890-12\20120410-10886.b\12_164_081.D

Injection Date:	11-Apr-2012 10:50:18	Limit Group:	GC - 8082 PCB ICAL
Client ID:	RB-02 (0-6")	Instrument ID:	HP5890-12
Lims Batch ID:	59004	Lims Sample ID:	17
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.: 480-18292-1

SDG No.:

Client Sample ID: RB-02 (0-6") | Lab Sample ID: 480-18292-8

Matrix: Solid | Lab File ID: 12_164_081.D

Analysis Method: 8082 | Date Collected: 04/05/2012 16:20

Extraction Method: 3550B | Date Extracted: 04/10/2012 08:38

Sample wt/vol: +2.80(g) | Date Analyzed: 04/11/2012 10:50

Con. Extract Vol.: 10(mL) | Dilution Factor: 1

Injection Volume: 1(uL) | GC Column: ZB-35 ID: 0.53(mm)

% Moisture: 6.8 | GPC Cleanup:(Y/N) N

Analysis Batch No.: 59004 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
12674-11-2	PCB-1016	ND		190	37
11104-28-2	PCB-1221	ND		190	37
11141-16-5	PCB-1232	ND		190	37
53469-21-9	PCB-1242	ND		190	42
12672-29-6	PCB-1248	ND		190	38
11097-69-1	PCB-1254	ND		190	40
11096-82-5	PCB-1260	ND		190	90

CAS NO.	SURROGATE	%REC	Q	LIMITS
2051-24-3	DCB Decachlorobiphenyl	143		36-182
877-09-8	Tetrachloro-m-xylene	141		24-172

TestAmerica Laboratories
Target Compound Quantitation Report

Data File:	\\Bufchrom\ChromData\HP5890-12\20120410-10886.b\12_164_081.D		
Lims ID:	480-18292-B-8-B	Client ID:	RB-02 (0-6")
Inject. Date:	11-Apr-2012 10:50:18	Dil. Factor:	1.0000
Sample Type:	Client		
Sample ID:	Name: 480-18292-B-8-B		
Misc. Info.:	Study: 480-0010886-017 Channel B: I/F Serial#, 9205571204		
Operator:	tchrom	Instrument ID:	HP5890-12
Vol. Injected:	1.0000	ALS Bottle#:	0
Lims Batch ID:	59004	Lims Sample ID:	17
Detector 1 :	Ch-A-7A136		
Detector 2 :	Ch-B-7b136		
Method:	\\Bufchrom\ChromData\HP5890-12\20120410-10886.b\hp12_pcb.m		
Last Update:	11-Apr-2012 13:00:17	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: 11-Apr-2012 13:21:38

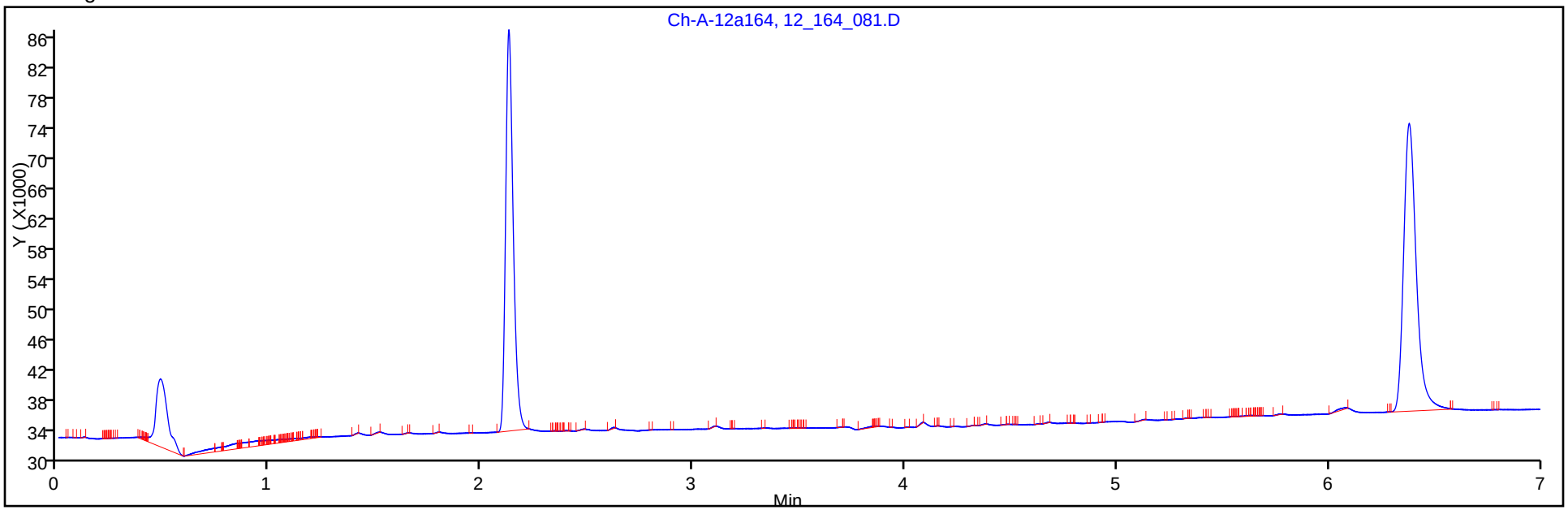
Det	Sig	RT	ADJ RT	DLT RT	Response	On-Col Amt ng/uL	Ratio Range	Ratio	Flags
$ 3 Tetrachloro-m-xylene									
1	1	2.128	2.128	0.000	130455	0.0299			
2	2	1.654	1.654	0.000	156607	0.0282			
						RPD = 5.70			
E 12 DCB Decachlorobiphenyl									
1	1	6.381	6.384	-0.003	156114	0.0338			
2	2	5.773	5.774	-0.001	158015	0.0287			
						RPD = 16.28			

Report Date: 11-Apr-2012 13:21:38 Chrom Revision: 2.0 20-Feb-2012 13:27:02

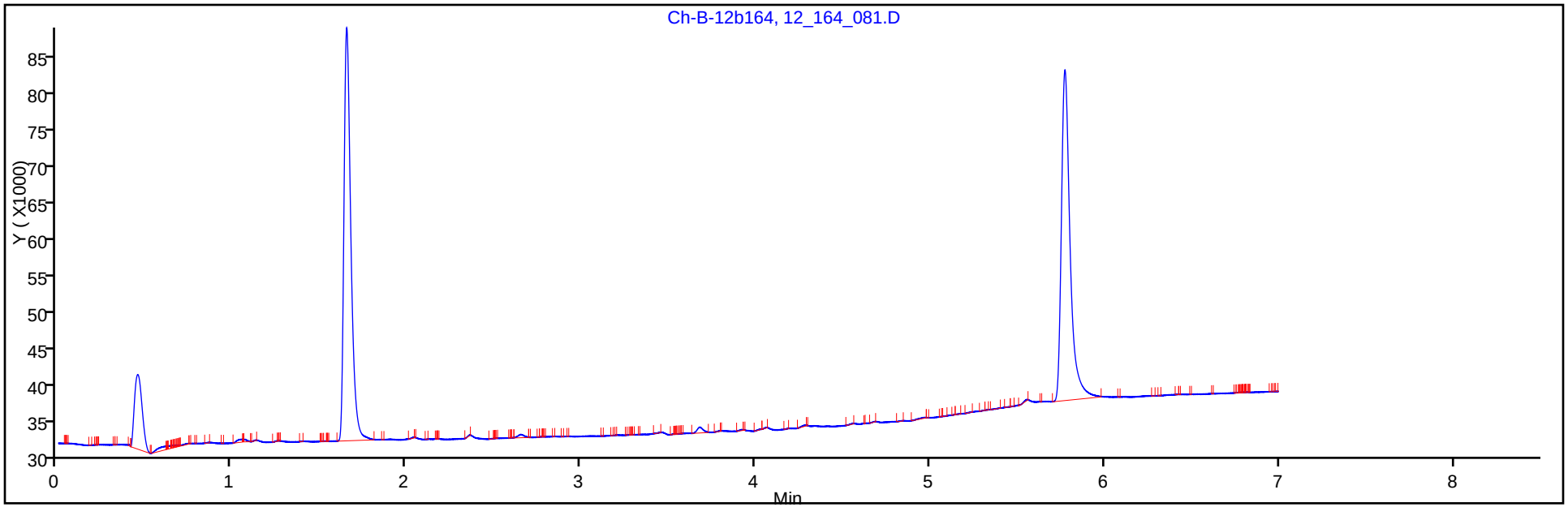
Data File: \\Bufchrom\ChromData\HP5890-12\20120410-10886.b\12_164_081.D

Injection Date:	11-Apr-2012 10:50:18	Limit Group:	GC - 8082 PCB ICAL
Client ID:	RB-02 (0-6")	Instrument ID:	HP5890-12
Lims Batch ID:	59004	Lims Sample ID:	17
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.: 480-18292-1

SDG No.:

Client Sample ID: RB-02 (6-12") Lab Sample ID: 480-18292-9

Matrix: Solid Lab File ID: 12_164_082.D

Analysis Method: 8082 Date Collected: 04/05/2012 16:40

Extraction Method: 3550B Date Extracted: 04/10/2012 08:38

Sample wt/vol: +2.66(g) Date Analyzed: 04/11/2012 11:05

Con. Extract Vol.: 10(mL) Dilution Factor: 1

Injection Volume: 1(uL) GC Column: ZB-5 ID: 0.53(mm)

% Moisture: 7.6 GPC Cleanup:(Y/N) N

Analysis Batch No.: 59004 Units: ug/Kg

CAS NO.	SURROGATE	%REC	Q	LIMITS
2051-24-3	DCB Decachlorobiphenyl	164		36-182
877-09-8	Tetrachloro-m-xylene	146		24-172

TestAmerica Laboratories
Target Compound Quantitation Report

Data File:	\\Bufchrom\ChromData\HP5890-12\20120410-10886.b\12_164_082.D		
Lims ID:	480-18292-A-9-B	Client ID:	RB-02 (6-12")
Inject. Date:	11-Apr-2012 11:05:10	Dil. Factor:	1.0000
Sample Type:	Client		
Sample ID:	Name: 480-18292-A-9-B		
Misc. Info.:	Study: 480-0010886-018 Channel B: I/F Serial#, 9205571204		
Operator:	tchrom	Instrument ID:	HP5890-12
Vol. Injected:	1.0000	ALS Bottle#:	0
Lims Batch ID:	59004	Lims Sample ID:	18
Detector 1 :	Ch-A-7A136		
Detector 2 :	Ch-B-7b136		
Method:	\\Bufchrom\ChromData\HP5890-12\20120410-10886.b\hp12_pcb.m		
Last Update:	11-Apr-2012 13:00:17	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: 11-Apr-2012 13:21:51

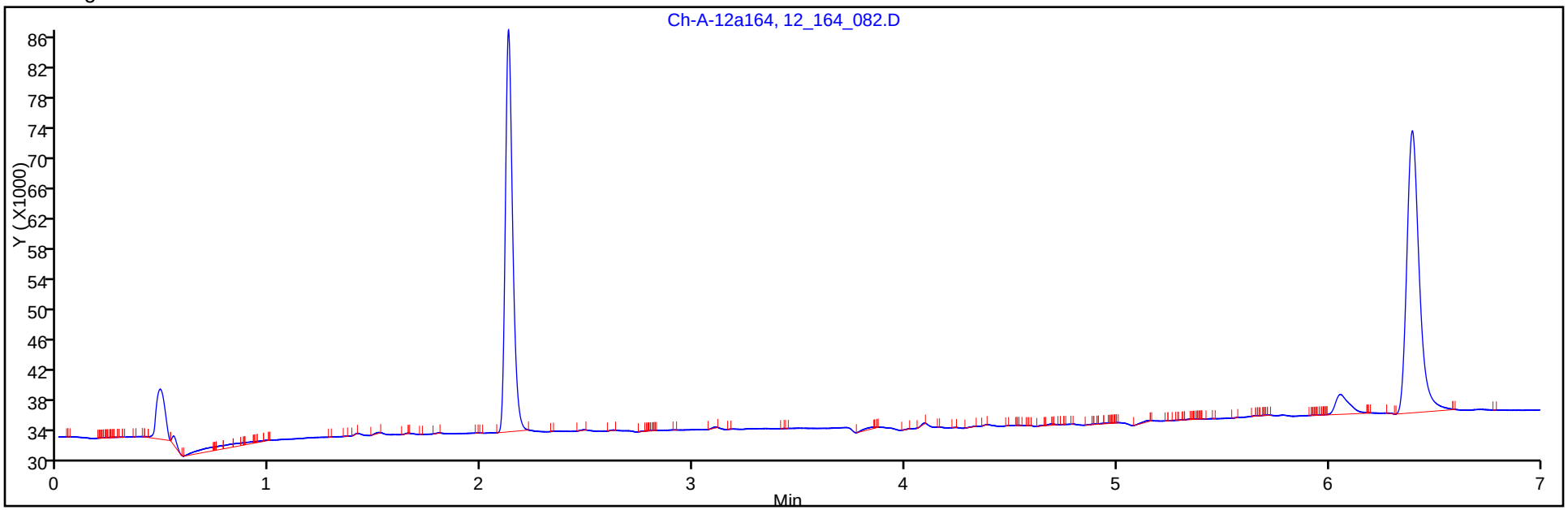
Det	Sig	RT	ADJ RT	DLT RT	Response	On-Col Amt ng/uL	Ratio Range	Ratio	Flags
$ 3 Tetrachloro-m-xylene									
1	1	2.127	2.128	-0.001	126968	0.0291			
2	2	1.653	1.654	-0.001	150471	0.0272			
						RPD = 6.97			
E 12 DCB Decachlorobiphenyl									
1	1	6.395	6.384	0.011	151302	0.0328			
2	2	5.787	5.774	0.013	157769	0.0287			
						RPD = 13.32			

Report Date: 11-Apr-2012 13:21:51 Chrom Revision: 2.0 20-Feb-2012 13:27:02

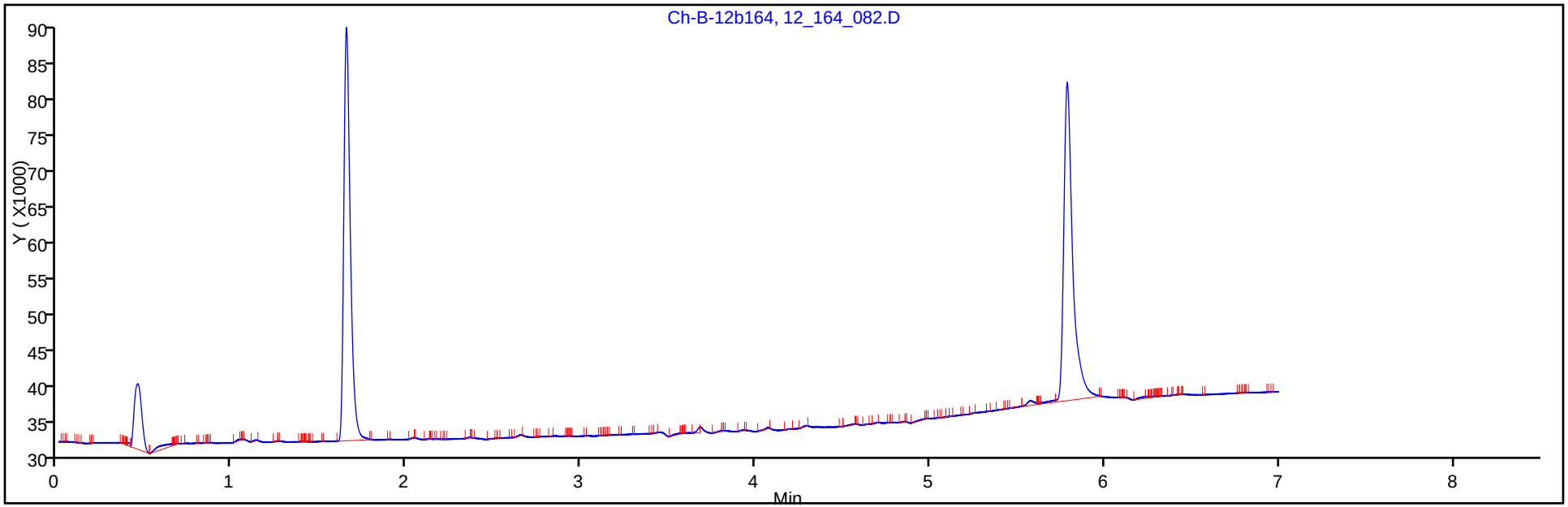
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Injection Date:	11-Apr-2012 11:05:10	Limit Group:	GC - 8082 PCB ICAL
Client ID:	RB-02 (6-12")	Instrument ID:	HP5890-12
Lims Batch ID:	59004	Lims Sample ID:	18
Operator ID:	tchrom	Injection Vol:	1.00 ul

Y Scaling:



Y Scaling:



FORM I
PCBS ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Buffalo | Job No.: 480-18292-1

SDG No.:

Client Sample ID: RB-02 (6-12") | Lab Sample ID: 480-18292-9

Matrix: Solid | Lab File ID: 12_164_082.D

Analysis Method: 8082 | Date Collected: 04/05/2012 16:40

Extraction Method: 3550B | Date Extracted: 04/10/2012 08:38

Sample wt/vol: +2.66(g) | Date Analyzed: 04/11/2012 11:05

Con. Extract Vol.: 10(mL) | Dilution Factor: 1

Injection Volume: 1(uL) | GC Column: ZB-35 ID: 0.53(mm)

% Moisture: 7.6 | GPC Cleanup:(Y/N) N

Analysis Batch No.: 59004 | 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	44
12672-29-6	PCB-1248	ND		200	40
11097-69-1	PCB-1254	ND		200	43
11096-82-5	PCB-1260	ND		200	95

CAS NO.	SURROGATE	%REC	Q	LIMITS
2051-24-3	DCB Decachlorobiphenyl	144		36-182
877-09-8	Tetrachloro-m-xylene	136		24-172

TestAmerica Laboratories
Target Compound Quantitation Report

Data File:	\\Bufchrom\ChromData\HP5890-12\20120410-10886.b\12_164_082.D		
Lims ID:	480-18292-A-9-B	Client ID:	RB-02 (6-12")
Inject. Date:	11-Apr-2012 11:05:10	Dil. Factor:	1.0000
Sample Type:	Client		
Sample ID:	Name: 480-18292-A-9-B		
Misc. Info.:	Study: 480-0010886-018 Channel B: I/F Serial#, 9205571204		
Operator:	tchrom	Instrument ID:	HP5890-12
Vol. Injected:	1.0000	ALS Bottle#:	0
Lims Batch ID:	59004	Lims Sample ID:	18
Detector 1 :	Ch-A-7A136		
Detector 2 :	Ch-B-7b136		
Method:	\\Bufchrom\ChromData\HP5890-12\20120410-10886.b\hp12_pcb.m		
Last Update:	11-Apr-2012 13:00:17	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: 11-Apr-2012 13:21:51

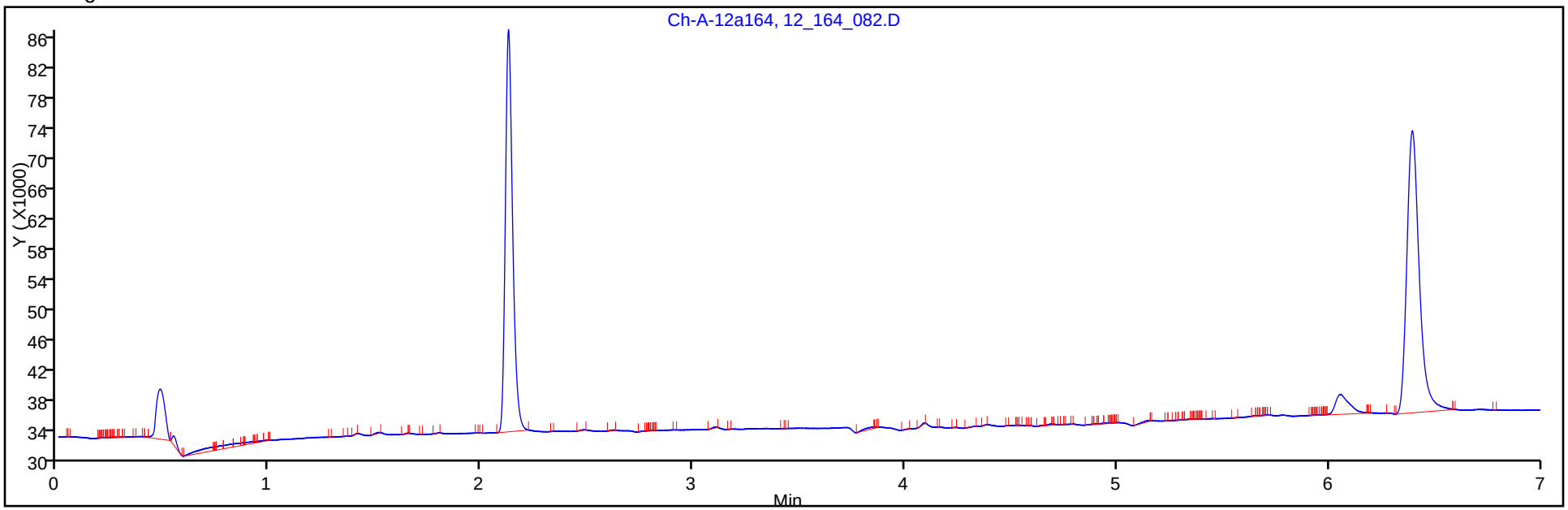
Det	Sig	RT	ADJ RT	DLT RT	Response	On-Col Amt ng/uL	Ratio Range	Ratio	Flags
$ 3 Tetrachloro-m-xylene									
1	1	2.127	2.128	-0.001	126968	0.0291			
2	2	1.653	1.654	-0.001	150471	0.0272			
						RPD = 6.97			
E 12 DCB Decachlorobiphenyl									
1	1	6.395	6.384	0.011	151302	0.0328			
2	2	5.787	5.774	0.013	157769	0.0287			
						RPD = 13.32			

Report Date: 11-Apr-2012 13:21:51 Chrom Revision: 2.0 20-Feb-2012 13:27:02

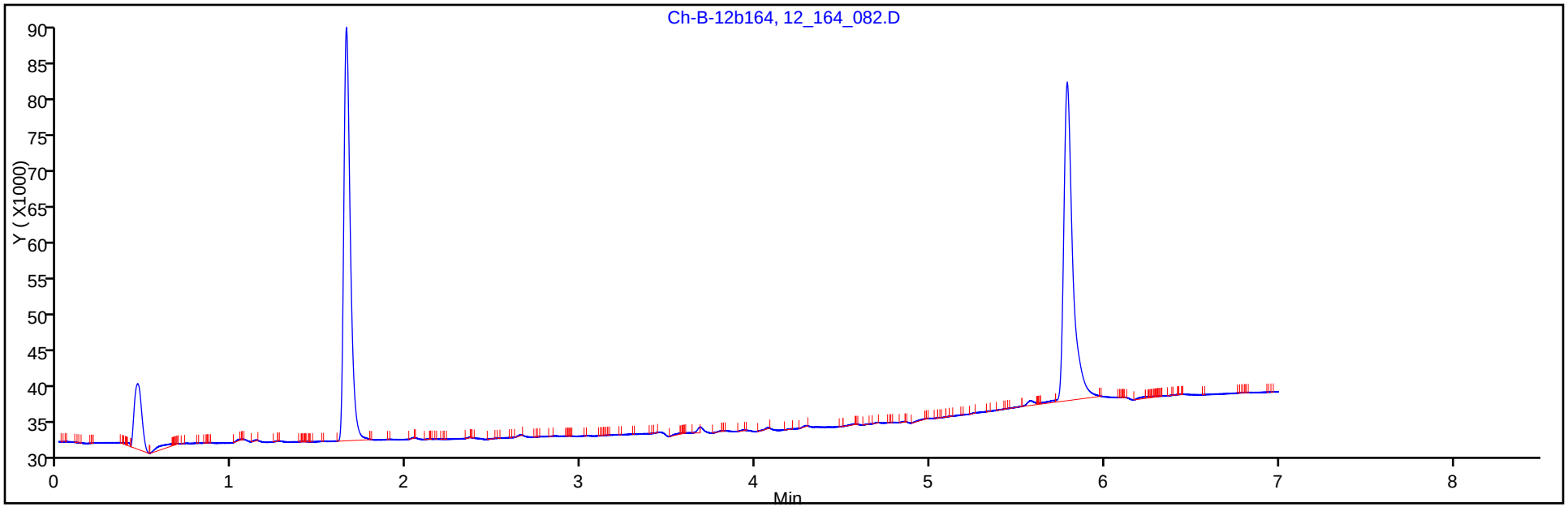
Data File: \\Bufchrom\ChromData\HP5890-12\20120410-10886.b\12_164_082.D

Injection Date:	11-Apr-2012 11:05:10	Limit Group:	GC - 8082 PCB ICAL
Client ID:	RB-02 (6-12")	Instrument ID:	HP5890-12
Lims Batch ID:	59004	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.: 480-18292-1

SDG No.:

Client Sample ID: RB-02 (12-24") Lab Sample ID: 480-18292-10

Matrix: Solid Lab File ID: 12_164_083.D

Analysis Method: 8082 Date Collected: 04/05/2012 16:50

Extraction Method: 3550B Date Extracted: 04/10/2012 08:38

Sample wt/vol: +2.46(g) Date Analyzed: 04/11/2012 11:19

Con. Extract Vol.: 10(mL) Dilution Factor: 1

Injection Volume: 1(uL) GC Column: ZB-5 ID: 0.53(mm)

% Moisture: 11.3 GPC Cleanup:(Y/N) N

Analysis Batch No.: 59004 Units: ug/Kg

CAS NO.	SURROGATE	%REC	Q	LIMITS
2051-24-3	DCB Decachlorobiphenyl	156		36-182
877-09-8	Tetrachloro-m-xylene	141		24-172

TestAmerica Laboratories
Target Compound Quantitation Report

Data File:	\\Bufchrom\ChromData\HP5890-12\20120410-10886.b\12_164_083.D		
Lims ID:	480-18292-B-10-B	Client ID:	RB-02 (12-24")
Inject. Date:	11-Apr-2012 11:19:59	Dil. Factor:	1.0000
Sample Type:	Client		
Sample ID:	Name: 480-18292-B-10-B		
Misc. Info.:	Study: 480-0010886-019 Channel B: I/F Serial#, 9205571204		
Operator:	tchrom	Instrument ID:	HP5890-12
Vol. Injected:	1.0000	ALS Bottle#:	0
Lims Batch ID:	59004	Lims Sample ID:	19
Detector 1 :	Ch-A-7A136		
Detector 2 :	Ch-B-7b136		
Method:	\\Bufchrom\ChromData\HP5890-12\20120410-10886.b\hp12_pcb.m		
Last Update:	11-Apr-2012 13:00:17	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: 11-Apr-2012 13:22:04

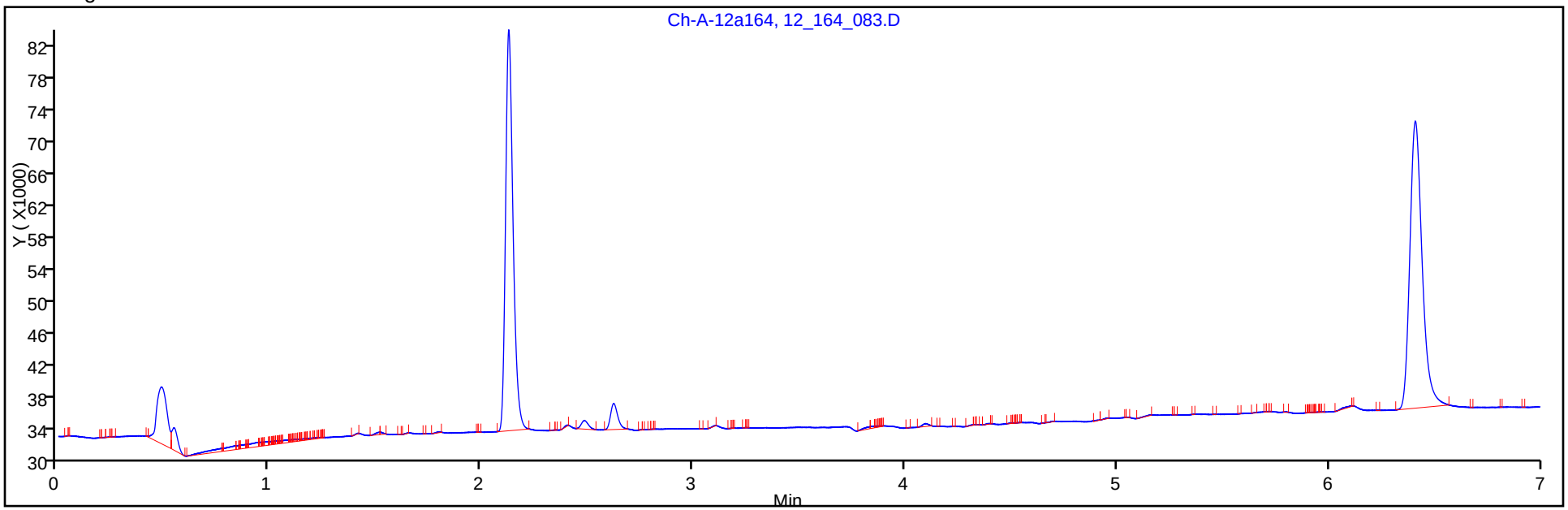
Det	Sig	RT	ADJ RT	DLT RT	Response	On-Col Amt ng/uL	Ratio Range	Ratio	Flags
$ 3 Tetrachloro-m-xylene									
1	1	2.127	2.128	-0.001	123088	0.0283			
2	2	1.654	1.654	0.000	146916	0.0265			
						RPD = 6.31			
E 12 DCB Decachlorobiphenyl									
1	1	6.409	6.384	0.025	144287	0.0312			
2	2	5.800	5.774	0.026	142622	0.0259			
						RPD = 18.63			

Report Date: 11-Apr-2012 13:22:04 Chrom Revision: 2.0 20-Feb-2012 13:27:02

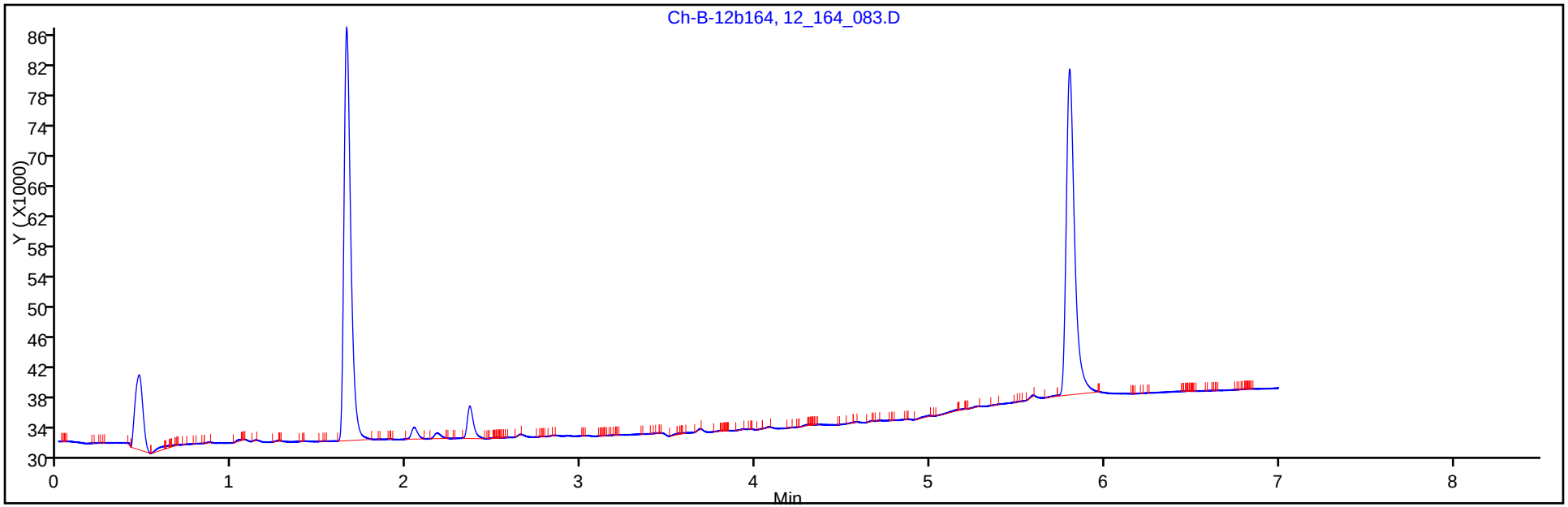
Data File: \\Bufchrom\ChromData\HP5890-12\20120410-10886.b\12_164_083.D

Injection Date:	11-Apr-2012 11:19:59	Limit Group:	GC - 8082 PCB ICAL
Client ID:	RB-02 (12-24")	Instrument ID:	HP5890-12
Lims Batch ID:	59004	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.: 480-18292-1

SDG No.:

Client Sample ID: RB-02 (12-24") | Lab Sample ID: 480-18292-10

Matrix: Solid | Lab File ID: 12_164_083.D

Analysis Method: 8082 | Date Collected: 04/05/2012 16:50

Extraction Method: 3550B | Date Extracted: 04/10/2012 08:38

Sample wt/vol: +2.46(g) | Date Analyzed: 04/11/2012 11:19

Con. Extract Vol.: 10(mL) | Dilution Factor: 1

Injection Volume: 1(uL) | GC Column: ZB-35 ID: 0.53(mm)

% Moisture: 11.3 | GPC Cleanup:(Y/N) N

Analysis Batch No.: 59004 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
12674-11-2	PCB-1016	ND		230	45
11104-28-2	PCB-1221	ND		230	45
11141-16-5	PCB-1232	ND		230	45
53469-21-9	PCB-1242	ND		230	50
12672-29-6	PCB-1248	ND		230	45
11097-69-1	PCB-1254	ND		230	48
11096-82-5	PCB-1260	ND		230	110

CAS NO.	SURROGATE	%REC	Q	LIMITS
2051-24-3	DCB Decachlorobiphenyl	129		36-182
877-09-8	Tetrachloro-m-xylene	132		24-172

TestAmerica Laboratories
Target Compound Quantitation Report

Data File:	\\Bufchrom\ChromData\HP5890-12\20120410-10886.b\12_164_083.D		
Lims ID:	480-18292-B-10-B	Client ID:	RB-02 (12-24")
Inject. Date:	11-Apr-2012 11:19:59	Dil. Factor:	1.0000
Sample Type:	Client		
Sample ID:	Name: 480-18292-B-10-B		
Misc. Info.:	Study: 480-0010886-019 Channel B: I/F Serial#, 9205571204		
Operator:	tchrom	Instrument ID:	HP5890-12
Vol. Injected:	1.0000	ALS Bottle#:	0
Lims Batch ID:	59004	Lims Sample ID:	19
Detector 1 :	Ch-A-7A136		
Detector 2 :	Ch-B-7b136		
Method:	\\Bufchrom\ChromData\HP5890-12\20120410-10886.b\hp12_pcb.m		
Last Update:	11-Apr-2012 13:00:17	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: 11-Apr-2012 13:22:04

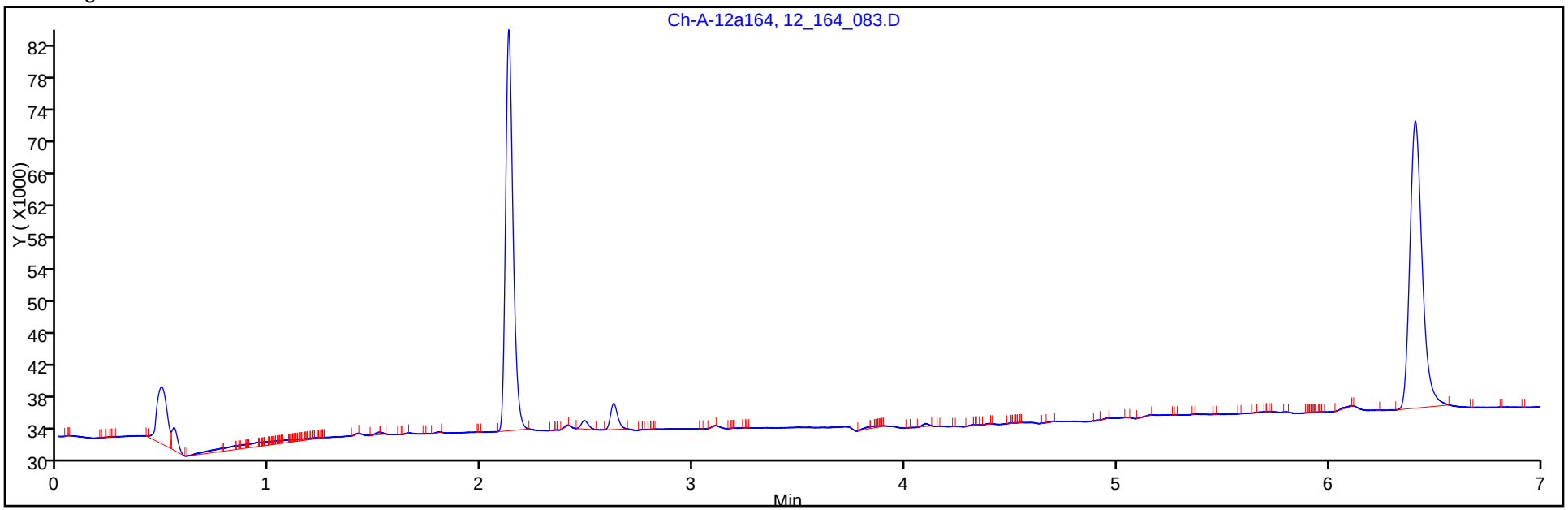
Det	Sig	RT	ADJ RT	DLT RT	Response	On-Col Amt ng/uL	Ratio Range	Ratio	Flags
$ 3 Tetrachloro-m-xylene									
1	1	2.127	2.128	-0.001	123088	0.0283			
2	2	1.654	1.654	0.000	146916	0.0265			
						RPD = 6.31			
E 12 DCB Decachlorobiphenyl									
1	1	6.409	6.384	0.025	144287	0.0312			
2	2	5.800	5.774	0.026	142622	0.0259			
						RPD = 18.63			

Report Date: 11-Apr-2012 13:22:04 Chrom Revision: 2.0 20-Feb-2012 13:27:02

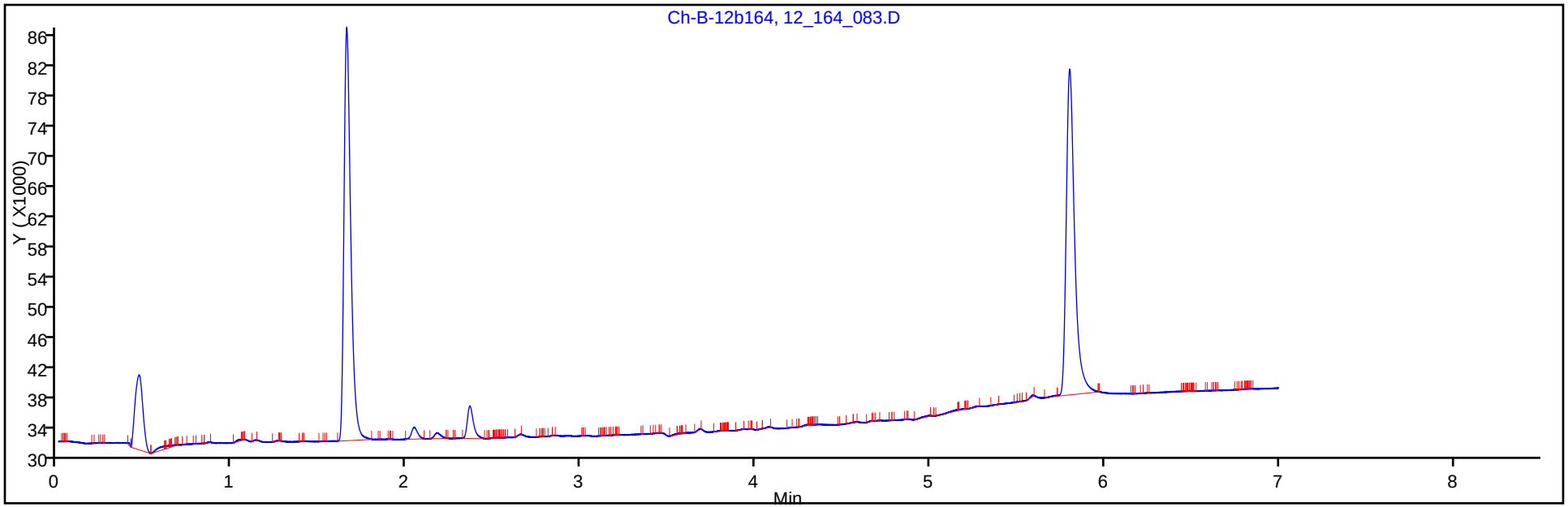
Data File: \\Bufchrom\ChromData\HP5890-12\20120410-10886.b\12_164_083.D

Injection Date:	11-Apr-2012 11:19:59	Limit Group:	GC - 8082 PCB ICAL
Client ID:	RB-02 (12-24")	Instrument ID:	HP5890-12
Lims Batch ID:	59004	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.: 480-18292-1

SDG No.:

Client Sample ID: DUP-03 | Lab Sample ID: 480-18292-11

Matrix: Solid | Lab File ID: 12_164_084.D

Analysis Method: 8082 | Date Collected: 04/05/2012 16:30

Extraction Method: 3550B | Date Extracted: 04/10/2012 08:38

Sample wt/vol: +2.25(g) | Date Analyzed: 04/11/2012 11:34

Con. Extract Vol.: 10(mL) | Dilution Factor: 1

Injection Volume: 1(uL) | GC Column: ZB-5 ID: 0.53(mm)

% Moisture: 18.5 | GPC Cleanup:(Y/N) N

Analysis Batch No.: 59004 | Units: ug/Kg

CAS NO.	SURROGATE	%REC	Q	LIMITS
2051-24-3	DCB Decachlorobiphenyl	156		36-182
877-09-8	Tetrachloro-m-xylene	138		24-172

TestAmerica Laboratories
Target Compound Quantitation Report

Data File:	\\Bufchrom\ChromData\HP5890-12\20120410-10886.b\12_164_084.D		
Lims ID:	480-18292-B-11-B	Client ID:	DUP-03
Inject. Date:	11-Apr-2012 11:34:51	Dil. Factor:	1.0000
Sample Type:	Client		
Sample ID:	Name: 480-18292-B-11-B		
Misc. Info.:	Study: 480-0010886-020 Channel B: I/F Serial#, 9205571204		
Operator:	tchrom	Instrument ID:	HP5890-12
Vol. Injected:	1.0000	ALS Bottle#:	0
Lims Batch ID:	59004	Lims Sample ID:	20
Detector 1 :	Ch-A-7A136		
Detector 2 :	Ch-B-7b136		
Method:	\\Bufchrom\ChromData\HP5890-12\20120410-10886.b\hp12_pcb.m		
Last Update:	11-Apr-2012 13:00:17	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: 11-Apr-2012 13:22:22

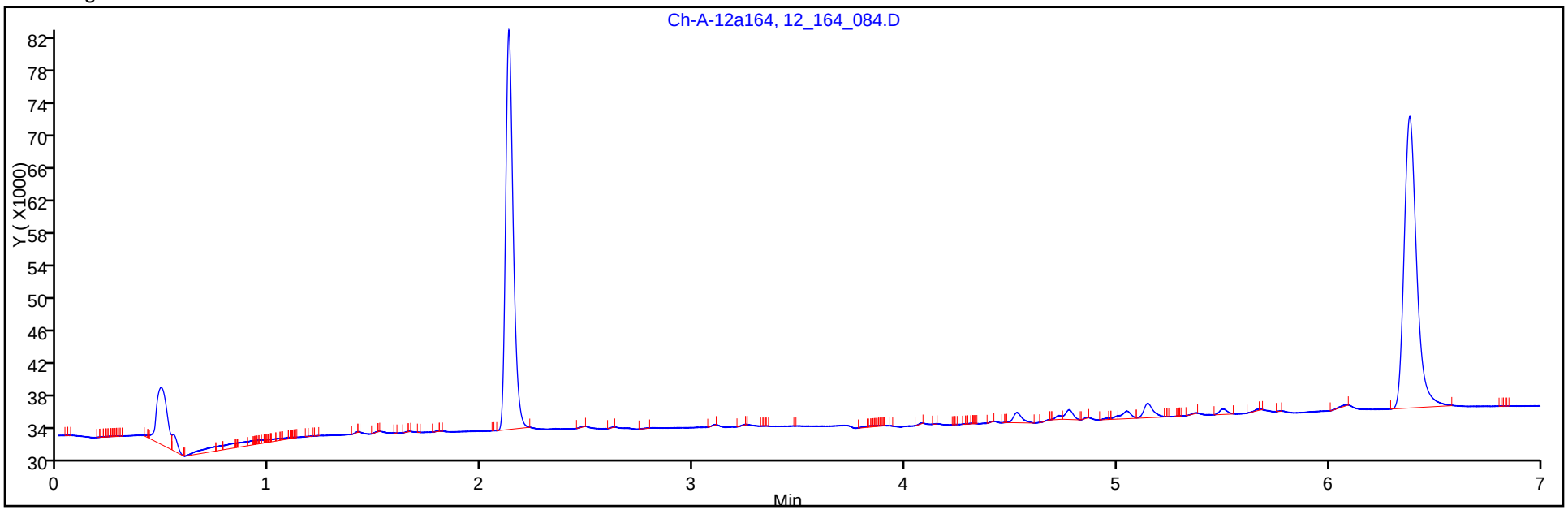
Det	Sig	RT	ADJ RT	DLT RT	Response	On-Col Amt ng/uL	Ratio Range	Ratio	Flags
$ 3 Tetrachloro-m-xylene									
1	1	2.128	2.128	0.000	120213	0.0276			
2	2	1.655	1.654	0.001	142718	0.0258			
						RPD = 6.85			
E 12 DCB Decachlorobiphenyl									
1	1	6.383	6.384	-0.001	144750	0.0313			
2	2	5.774	5.774	0.000	143702	0.0261			
						RPD = 18.20			

Report Date: 11-Apr-2012 13:22:22 Chrom Revision: 2.0 20-Feb-2012 13:27:02

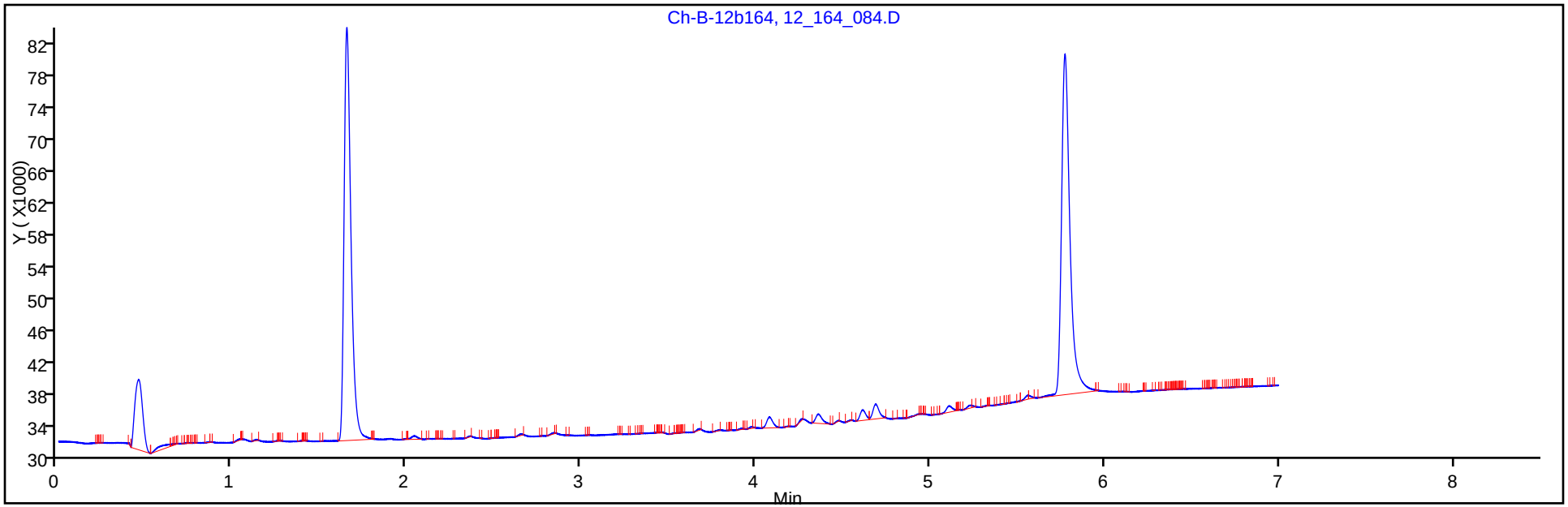
Data File: \\Bufchrom\ChromData\HP5890-12\20120410-10886.b\12_164_084.D

Injection Date:	11-Apr-2012 11:34:51	Limit Group:	GC - 8082 PCB ICAL
Client ID:	DUP-03	Instrument ID:	HP5890-12
Lims Batch ID:	59004	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.: 480-18292-1

SDG No.:

Client Sample ID: DUP-03 | Lab Sample ID: 480-18292-11

Matrix: Solid | Lab File ID: 12_164_084.D

Analysis Method: 8082 | Date Collected: 04/05/2012 16:30

Extraction Method: 3550B | Date Extracted: 04/10/2012 08:38

Sample wt/vol: +2.25(g) | Date Analyzed: 04/11/2012 11:34

Con. Extract Vol.: 10(mL) | Dilution Factor: 1

Injection Volume: 1(uL) | GC Column: ZB-35 ID: 0.53(mm)

% Moisture: 18.5 | GPC Cleanup:(Y/N) N

Analysis Batch No.: 59004 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
12674-11-2	PCB-1016	ND		270	53
11104-28-2	PCB-1221	ND		270	53
11141-16-5	PCB-1232	ND		270	53
53469-21-9	PCB-1242	ND		270	59
12672-29-6	PCB-1248	ND		270	54
11097-69-1	PCB-1254	ND		270	58
11096-82-5	PCB-1260	ND		270	130

CAS NO.	SURROGATE	%REC	Q	LIMITS
2051-24-3	DCB Decachlorobiphenyl	130		36-182
877-09-8	Tetrachloro-m-xylene	129		24-172

TestAmerica Laboratories
Target Compound Quantitation Report

Data File:	\\Bufchrom\ChromData\HP5890-12\20120410-10886.b\12_164_084.D		
Lims ID:	480-18292-B-11-B	Client ID:	DUP-03
Inject. Date:	11-Apr-2012 11:34:51	Dil. Factor:	1.0000
Sample Type:	Client		
Sample ID:	Name: 480-18292-B-11-B		
Misc. Info.:	Study: 480-0010886-020 Channel B: I/F Serial#, 9205571204		
Operator:	tchrom	Instrument ID:	HP5890-12
Vol. Injected:	1.0000	ALS Bottle#:	0
Lims Batch ID:	59004	Lims Sample ID:	20
Detector 1 :	Ch-A-7A136		
Detector 2 :	Ch-B-7b136		
Method:	\\Bufchrom\ChromData\HP5890-12\20120410-10886.b\hp12_pcb.m		
Last Update:	11-Apr-2012 13:00:17	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: 11-Apr-2012 13:22:22

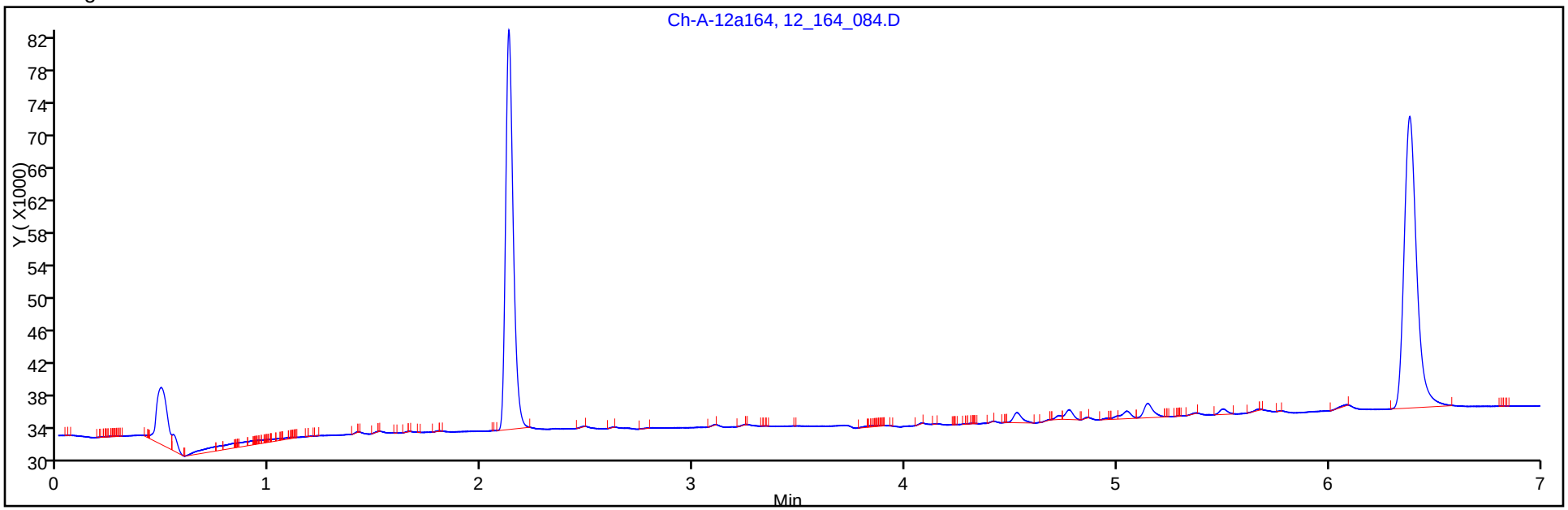
Det	Sig	RT	ADJ RT	DLT RT	Response	On-Col Amt ng/uL	Ratio Range	Ratio	Flags
$ 3 Tetrachloro-m-xylene									
1	1	2.128	2.128	0.000	120213	0.0276			
2	2	1.655	1.654	0.001	142718	0.0258			
						RPD = 6.85			
E 12 DCB Decachlorobiphenyl									
1	1	6.383	6.384	-0.001	144750	0.0313			
2	2	5.774	5.774	0.000	143702	0.0261			
						RPD = 18.20			

Report Date: 11-Apr-2012 13:22:22 Chrom Revision: 2.0 20-Feb-2012 13:27:02

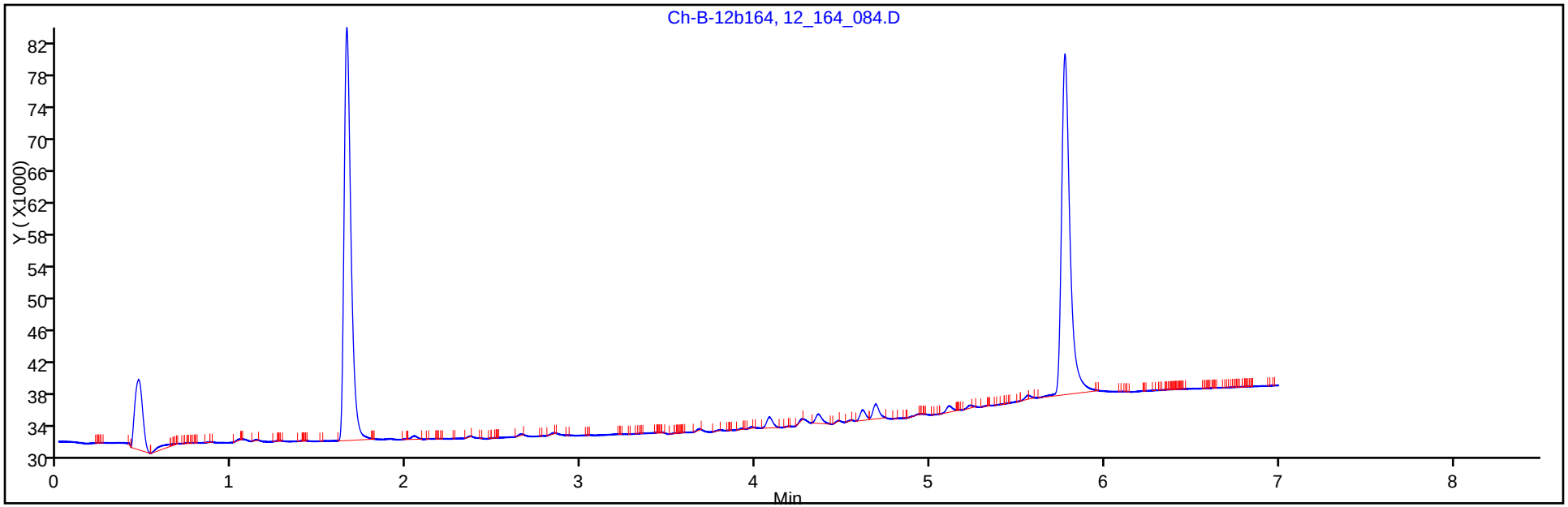
Data File: \\Bufchrom\ChromData\HP5890-12\20120410-10886.b\12_164_084.D

Injection Date:	11-Apr-2012 11:34:51	Limit Group:	GC - 8082 PCB ICAL
Client ID:	DUP-03	Instrument ID:	HP5890-12
Lims Batch ID:	59004	Lims Sample ID:	20
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.: 480-18292-1 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.: 480-18292-1 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.: 480-18292-1 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

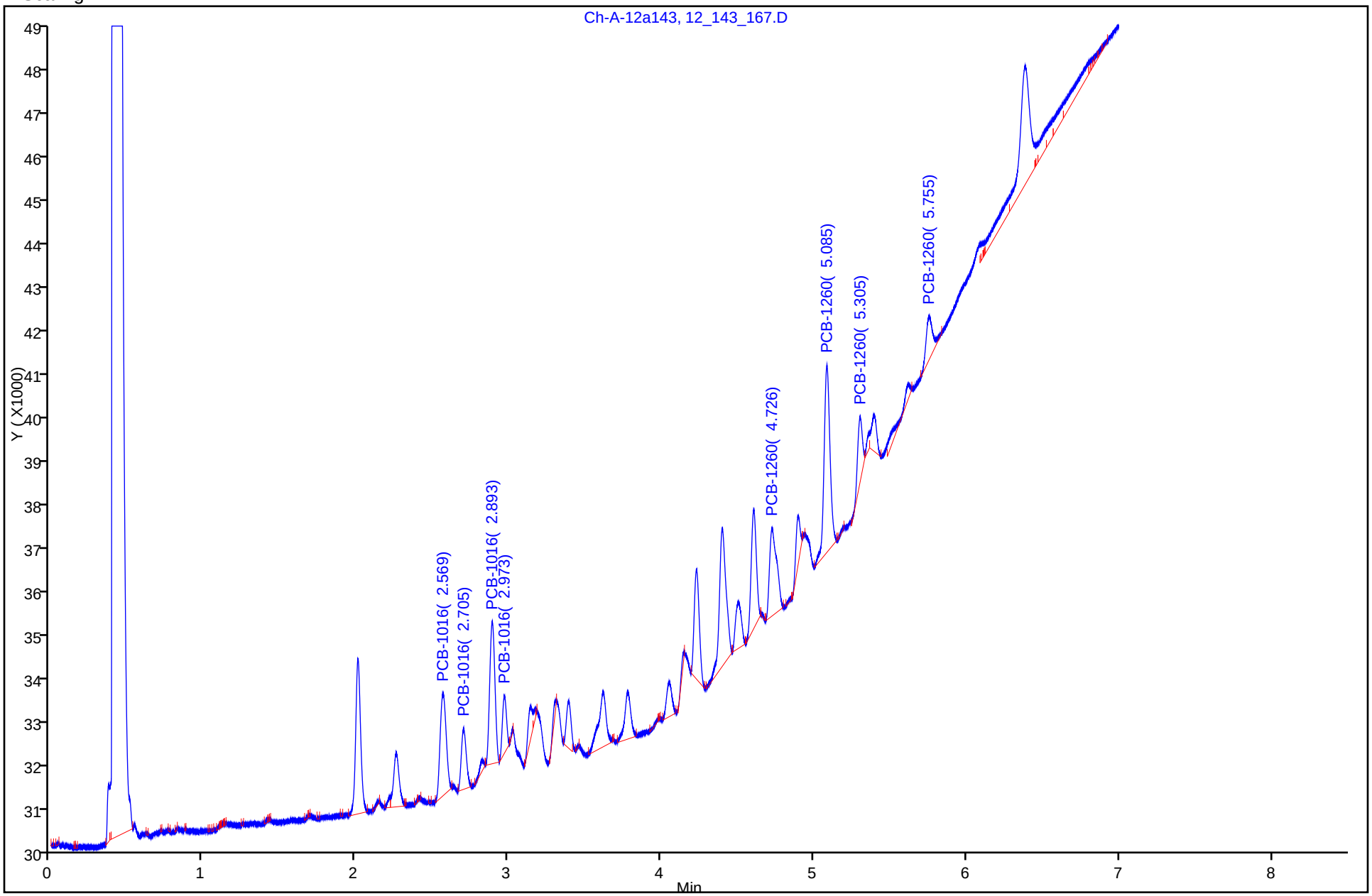
Review Flags
M - Manually Integrated

Report Date: 24-Oct-2011 18:40:06 Chrom Revision: 2.0 01-Sep-2011 14:10:00

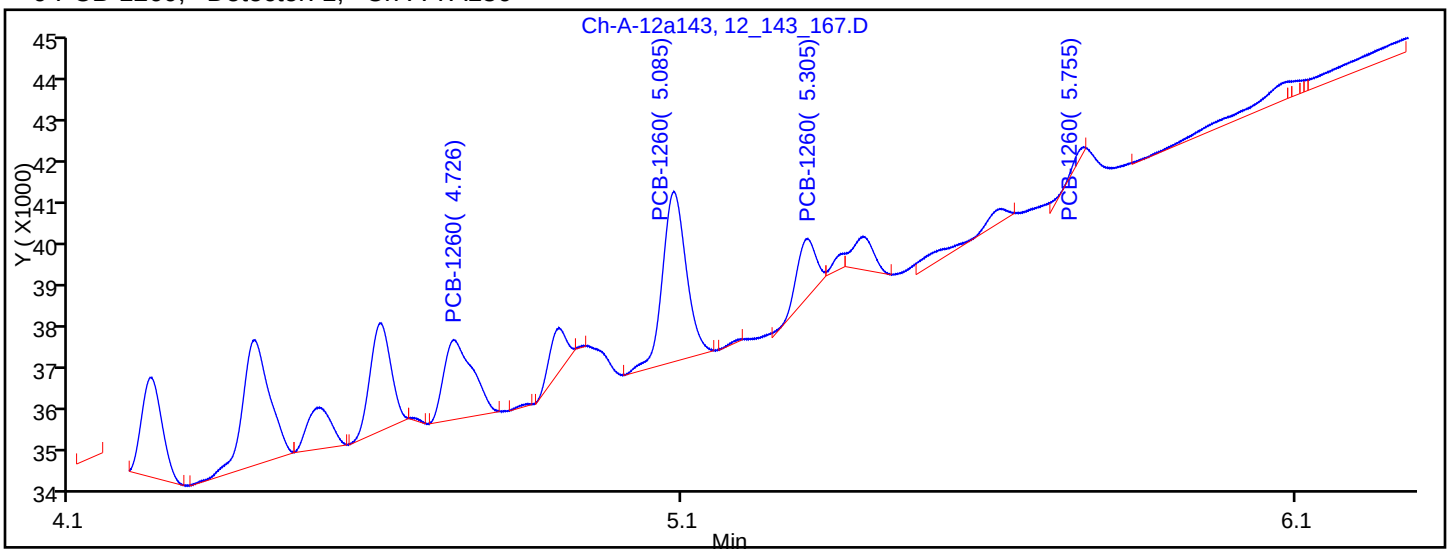
Data File: \\Bufchrom\ChromData\HP5890-12\20111023-6917.b\12_143_167.D

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:

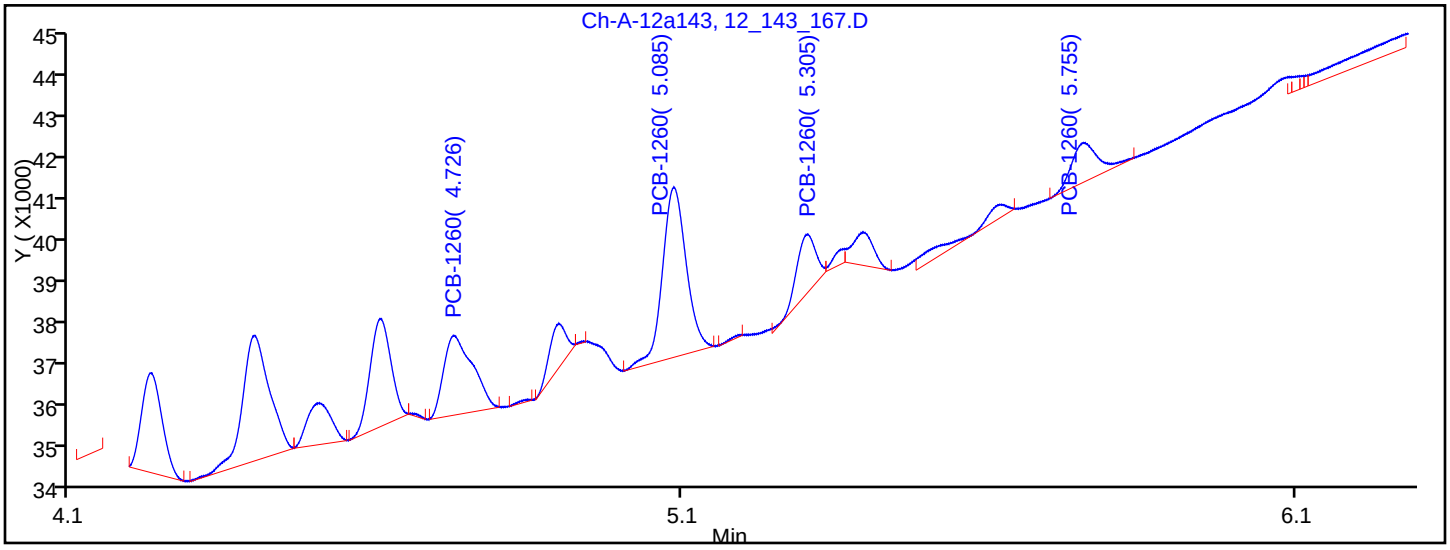


Report Date: 24-Oct-2011 18:40:06 Chrom Revision: 2.0 01-Sep-2011 14:10:00
Data File: \\Bufchrom\ChromData\HP5890-12\20111023-6917.b\12_143_167.D
Injection Date: 23-Oct-2011 13:54:44 Limit Group: GC - 8082 PCB ICAL
Client ID: Instrument ID: HP5890-12
Lims Batch ID: 36827 Lims Sample ID: 11
Operator ID: 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			

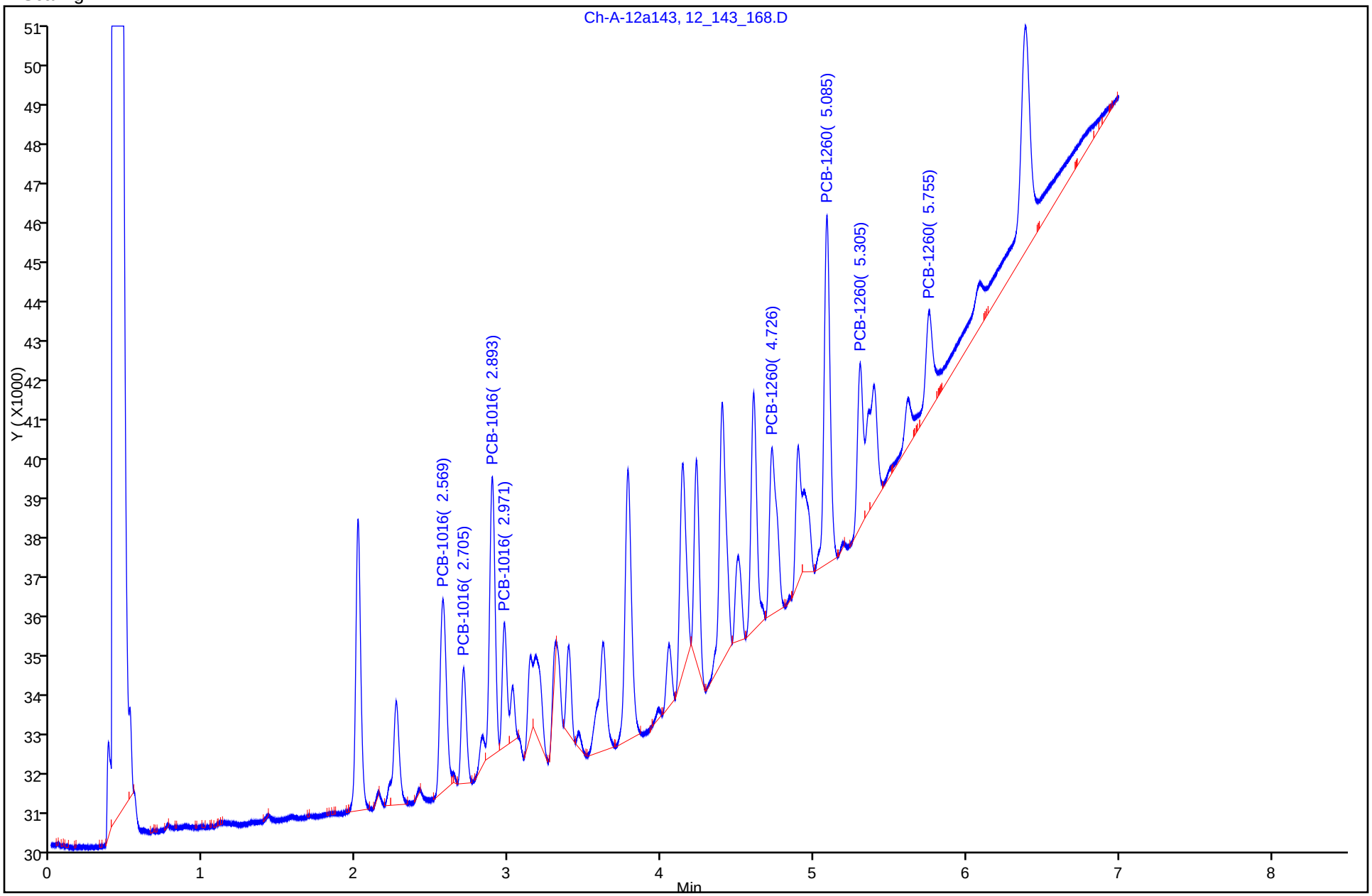
Det	Sig	RT	ADJ RT	DLT RT	Response	On-Col Amt ng/uL	Ratio Range	Ratio	Flags
E 12 DCB Decachlorobiphenyl									
1	1	6.387	6.388	-0.001	29984	0.006494			
2	2	5.824	5.824	0.000	23172	0.004212			
						RPD = 42.63			

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			

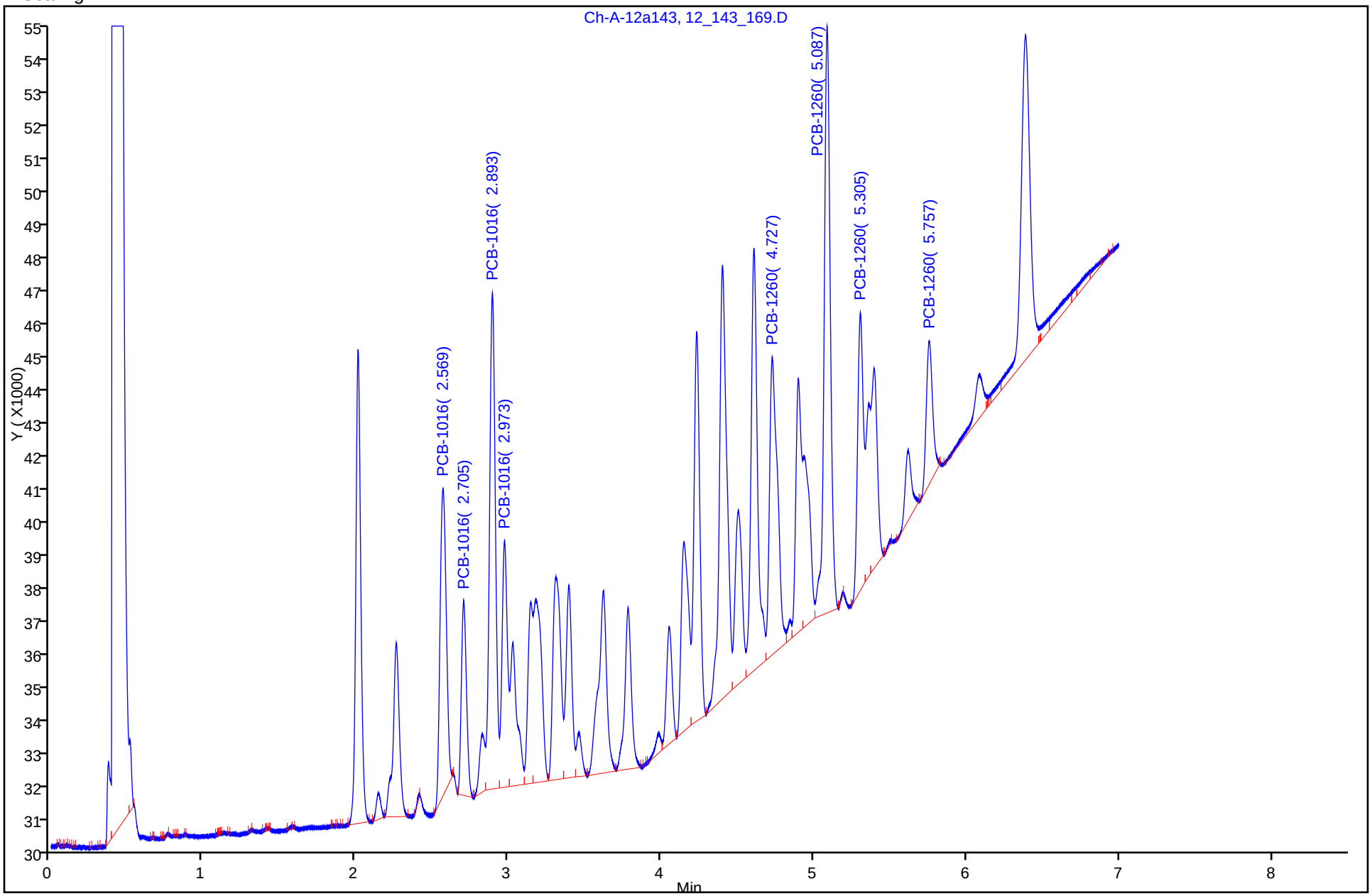
Det	Sig	RT	ADJ RT	DLT RT	Response	On-Col Amt ng/uL	Ratio Range	Ratio	Flags
E 12 DCB Decachlorobiphenyl									
1	1	6.387	6.388	-0.001	39109	0.008470			
2	2	5.823	5.824	-0.001	59038	0.0107			
						RPD = 23.55			

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			

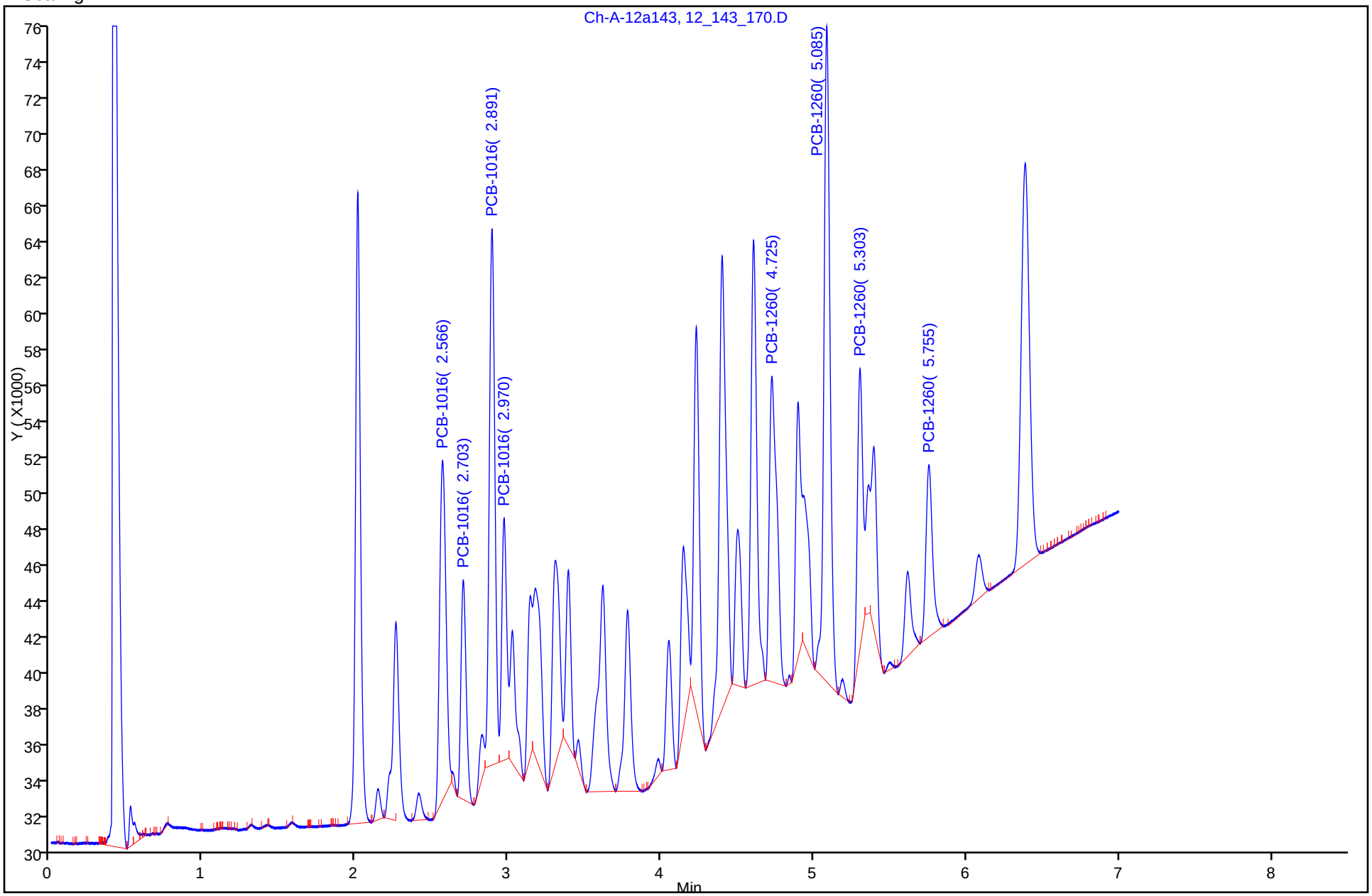
Det	Sig	RT	ADJ RT	DLT RT	Response	On-Col Amt ng/uL	Ratio Range	Ratio	Flags
E 12 DCB Decachlorobiphenyl									
1	1	6.385	6.388	-0.003	84201	0.0182			
2	2	5.823	5.824	-0.001	106019	0.0193			
						RPD = 5.52			

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			

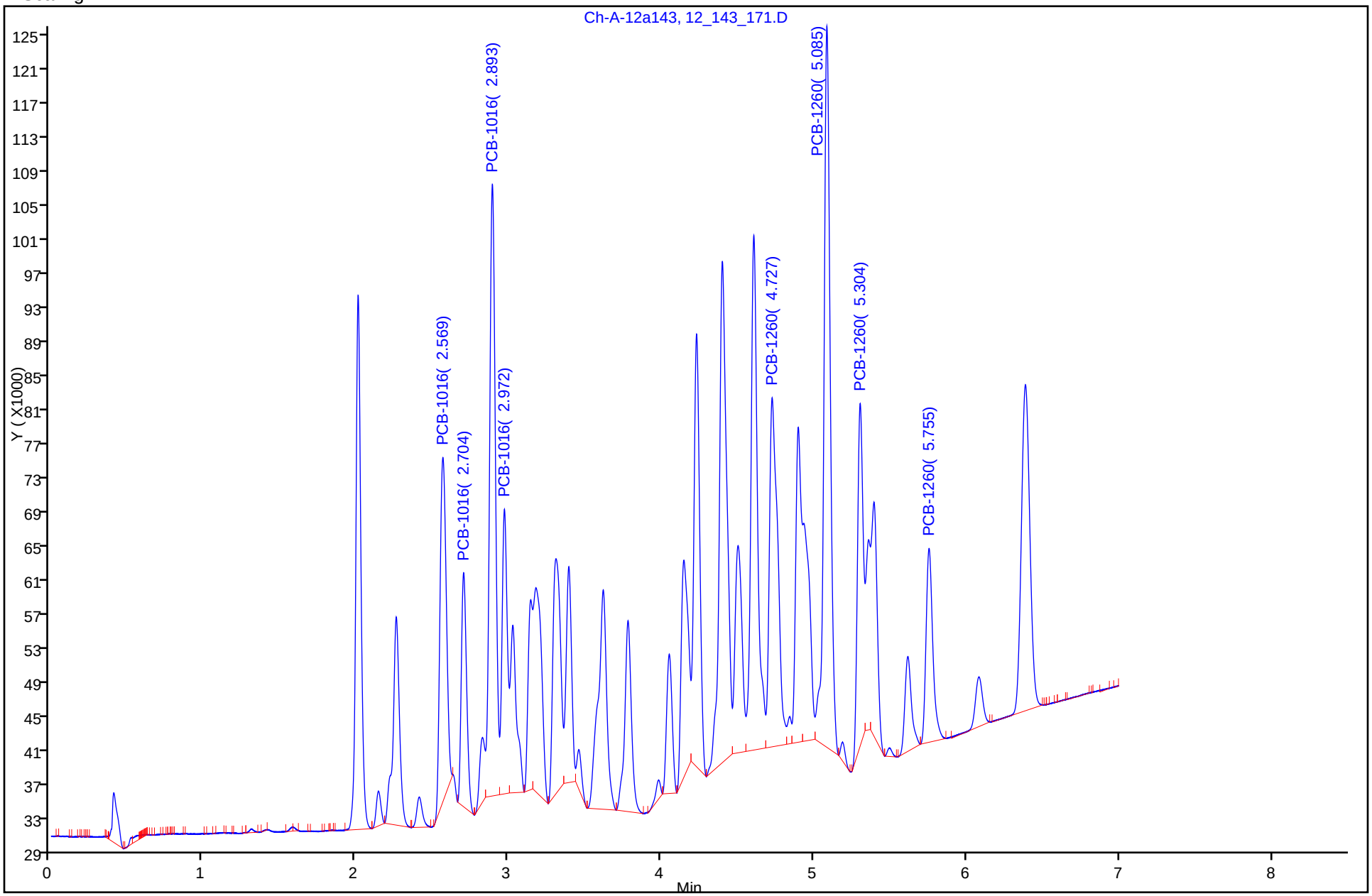
Det	Sig	RT	ADJ RT	DLT RT	Response	On-Col Amt ng/uL	Ratio Range	Ratio	Flags
E 12 DCB Decachlorobiphenyl									
1	1	6.387	6.388	-0.001	147455	0.0319			
2	2	5.823	5.824	-0.001	181164	0.0329			
						RPD = 3.07			

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			

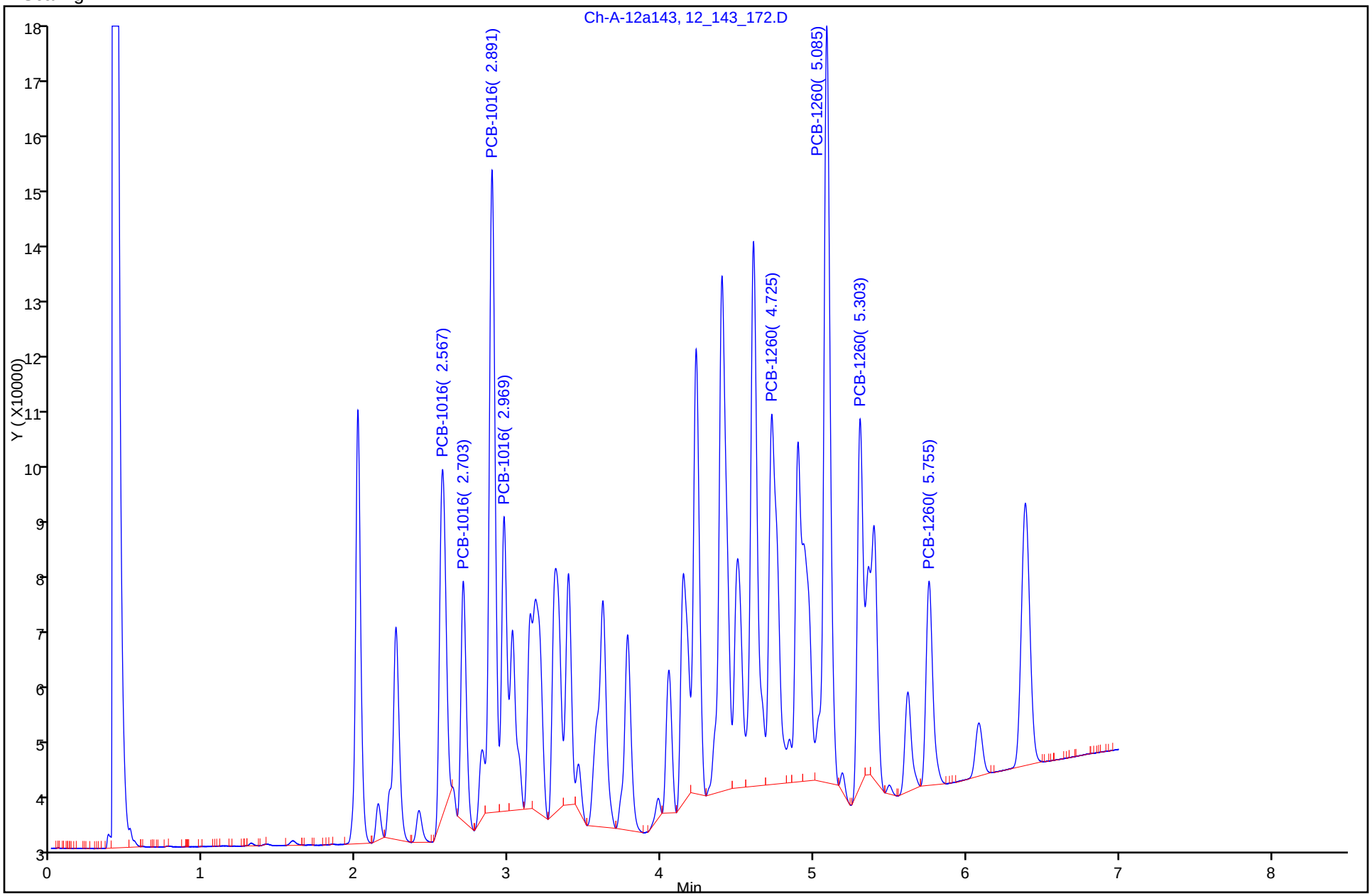
Det	Sig	RT	ADJ RT	DLT RT	Response	On-Col Amt ng/uL	Ratio Range	Ratio	Flags
E 12 DCB Decachlorobiphenyl									
1	1	6.387	6.388	-0.001	177500	0.0384			
2	2	5.822	5.824	-0.002	213921	0.0389			
						RPD = 1.14			

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			

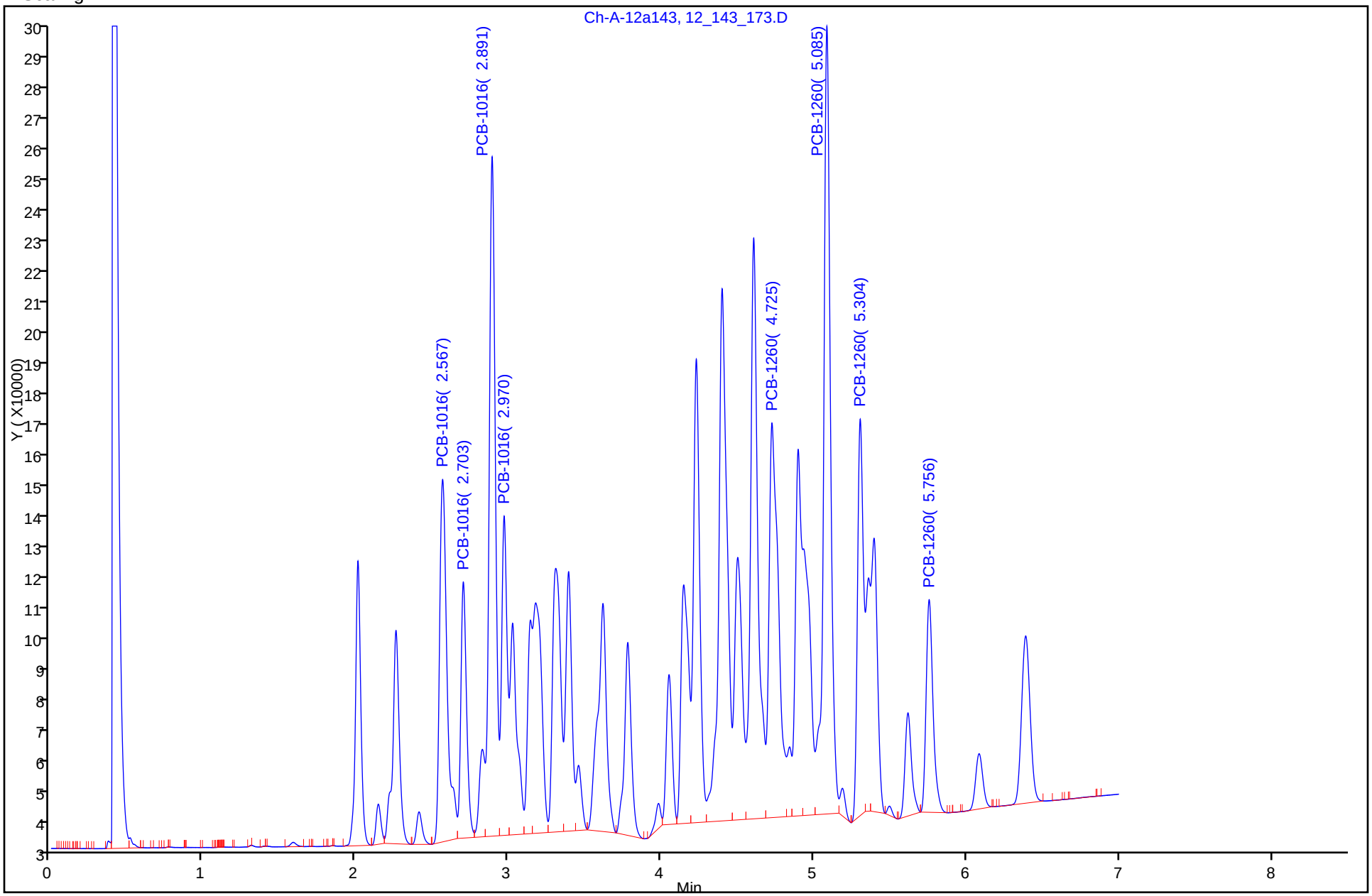
Det	Sig	RT	ADJ RT	DLT RT	Response	On-Col Amt ng/uL	Ratio Range	Ratio	Flags
E 12 DCB Decachlorobiphenyl									
1	1	6.388	6.388	0.000	210594	0.0456			
2	2	5.824	5.824	0.000	254611	0.0463			
						RPD = 1.46			

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.: 480-18292-1 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.: 480-18292-1 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.: 480-18292-1 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

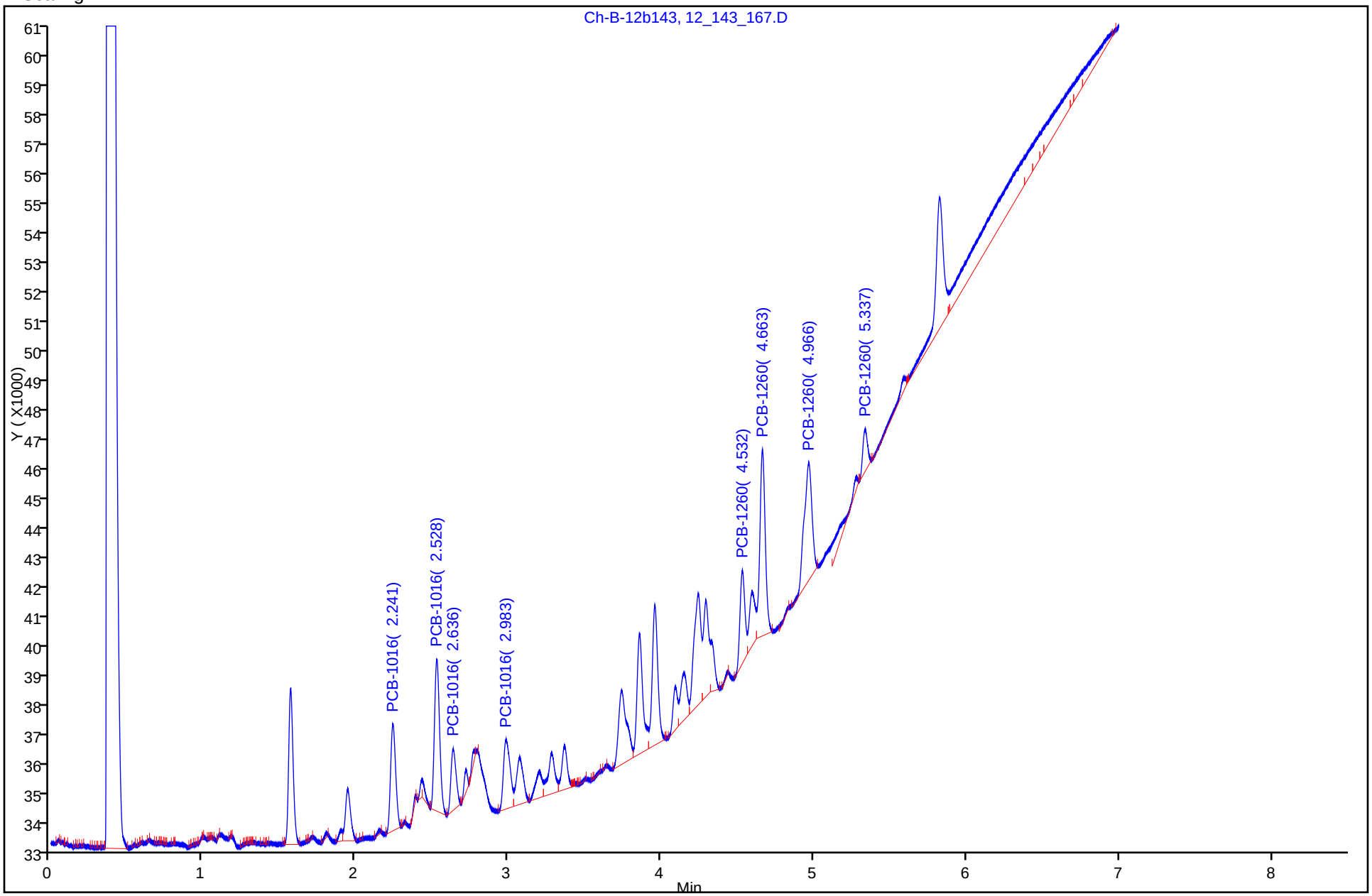
Review Flags
M - Manually Integrated

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			

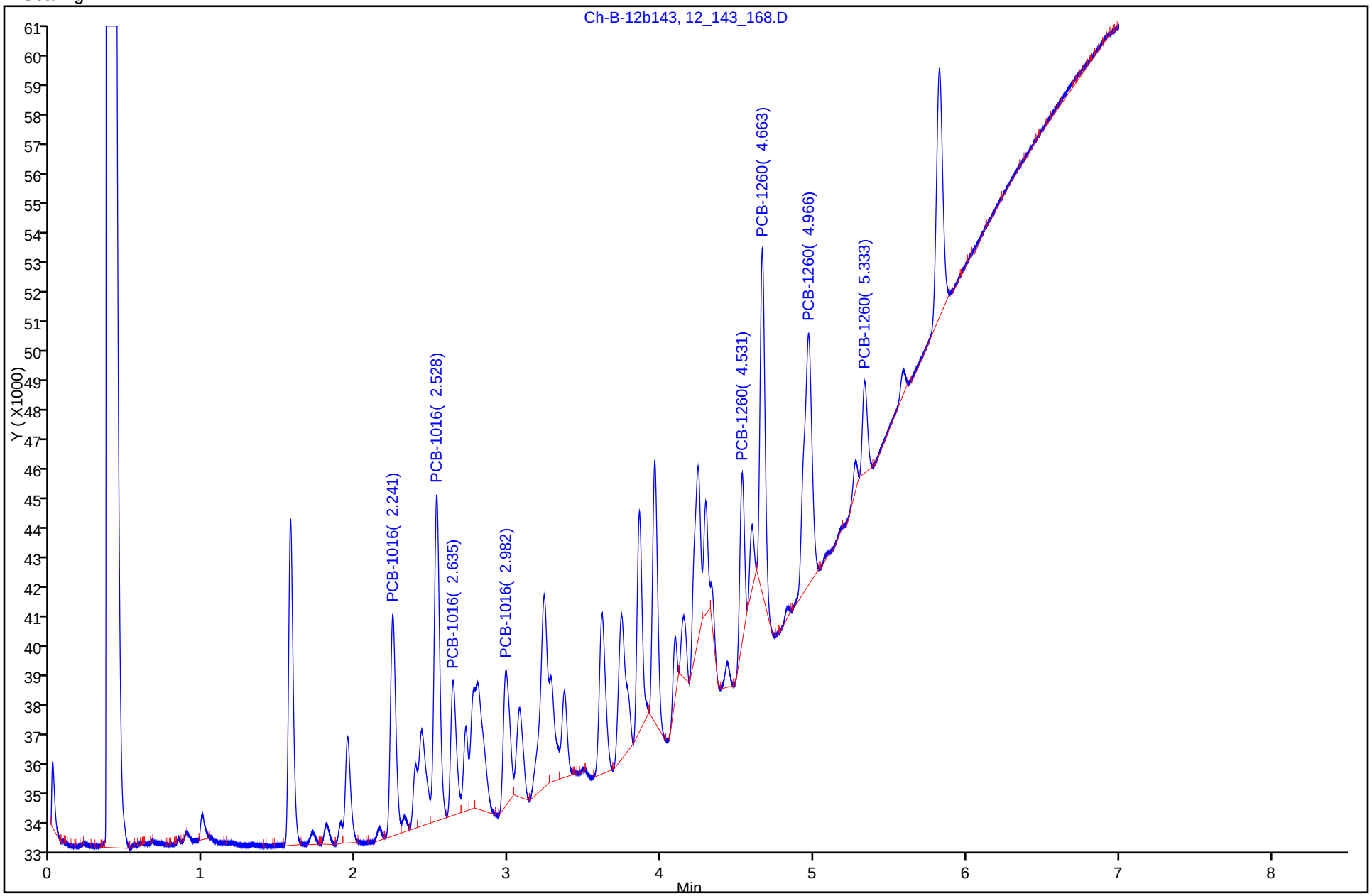
Det	Sig	RT	ADJ RT	DLT RT	Response	On-Col Amt ng/uL	Ratio Range	Ratio	Flags
E 12 DCB Decachlorobiphenyl									
1	1	6.387	6.388	-0.001	29984	0.006494			
2	2	5.824	5.824	0.000	23172	0.004212			
						RPD = 42.63			

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			

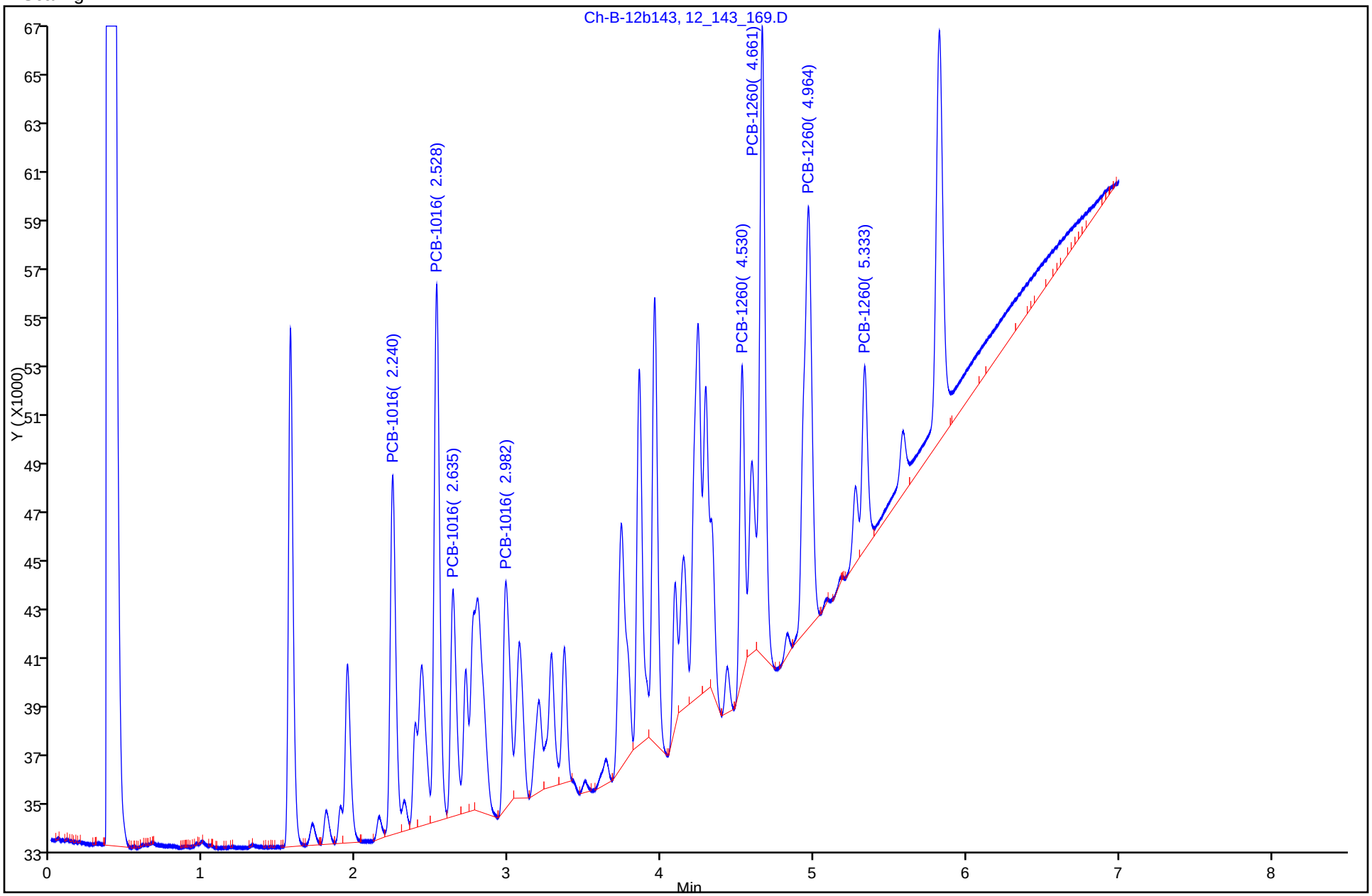
Det	Sig	RT	ADJ RT	DLT RT	Response	On-Col Amt ng/uL	Ratio Range	Ratio	Flags
E 12 DCB Decachlorobiphenyl									
1	1	6.387	6.388	-0.001	39109	0.008470			
2	2	5.823	5.824	-0.001	59038	0.0107			
						RPD = 23.55			

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			

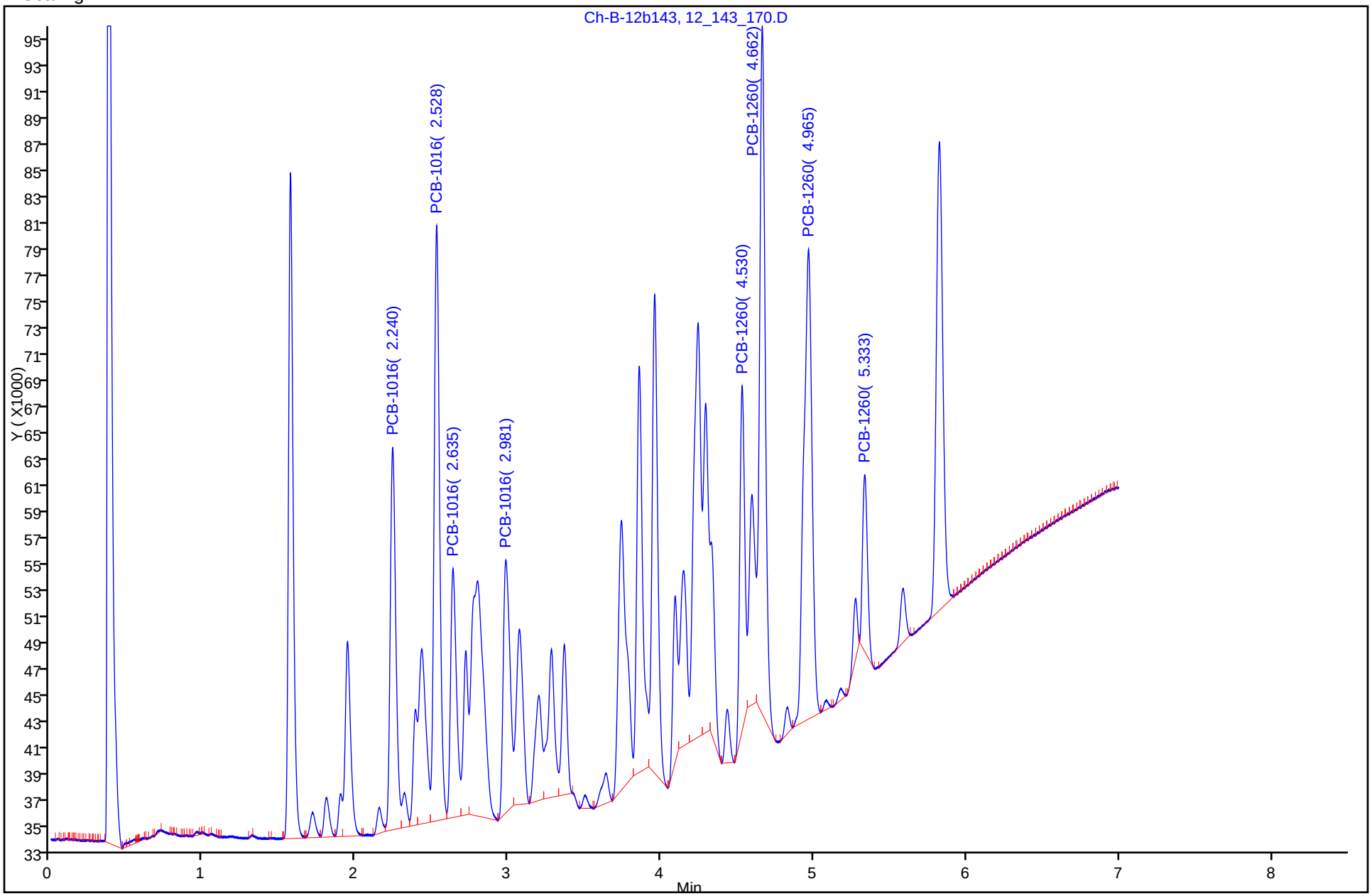
Det	Sig	RT	ADJ RT	DLT RT	Response	On-Col Amt ng/uL	Ratio Range	Ratio	Flags
E 12 DCB Decachlorobiphenyl									
1	1	6.385	6.388	-0.003	84201	0.0182			
2	2	5.823	5.824	-0.001	106019	0.0193			
						RPD = 5.52			

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			

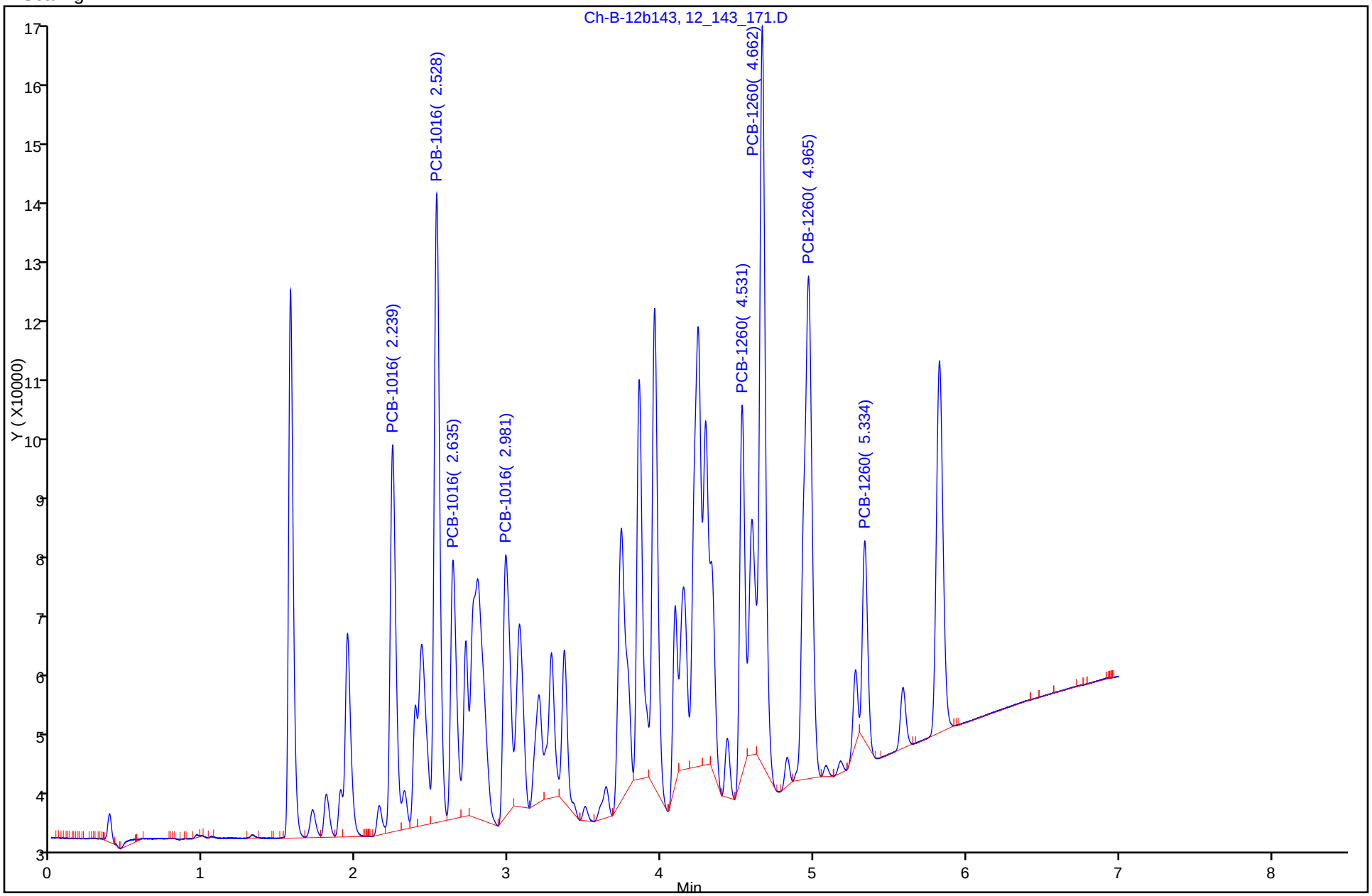
Det	Sig	RT	ADJ RT	DLT RT	Response	On-Col Amt ng/uL	Ratio Range	Ratio	Flags
E 12 DCB Decachlorobiphenyl									
1	1	6.387	6.388	-0.001	147455	0.0319			
2	2	5.823	5.824	-0.001	181164	0.0329			
						RPD = 3.07			

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			

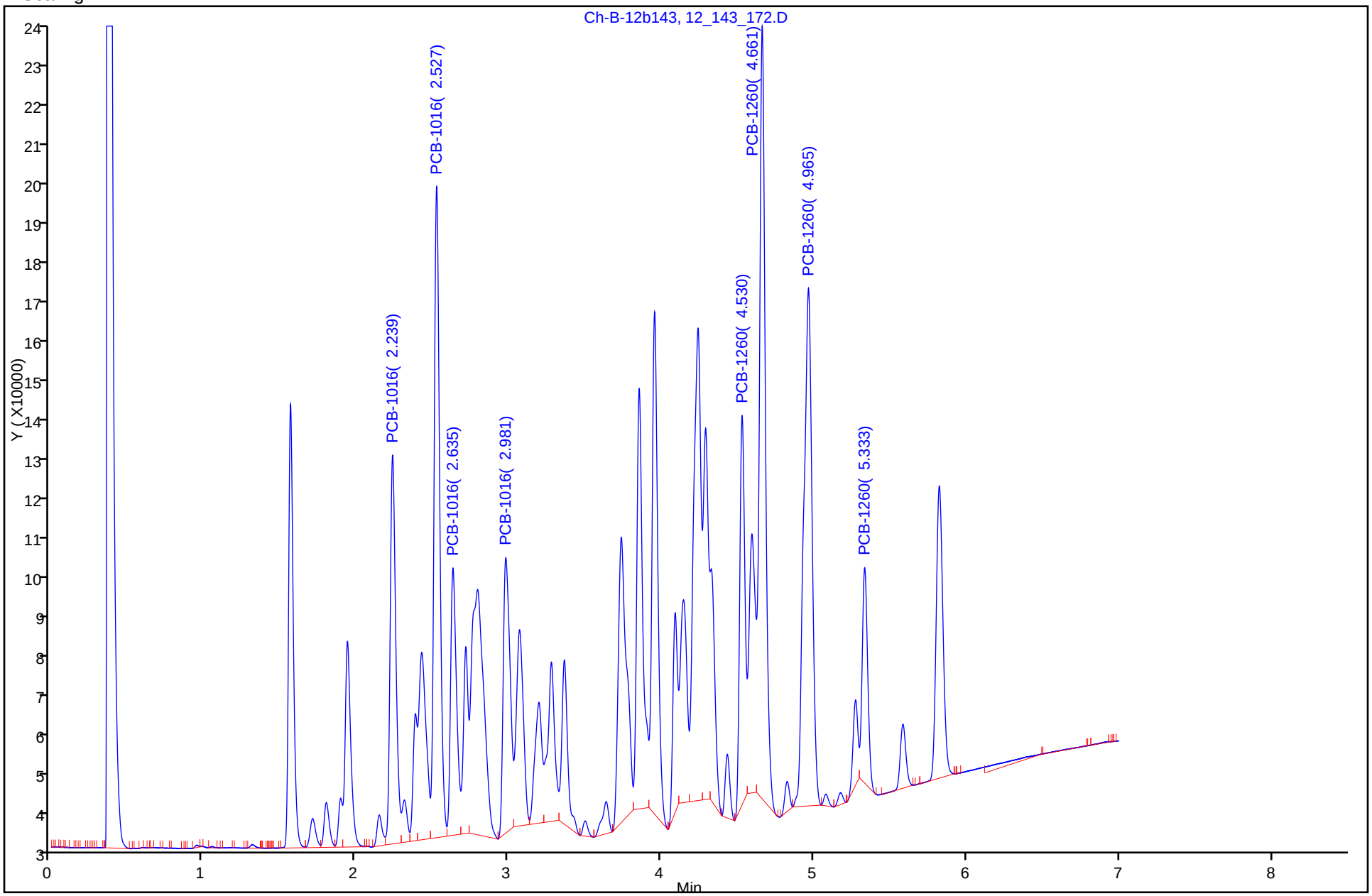
Det	Sig	RT	ADJ RT	DLT RT	Response	On-Col Amt ng/uL	Ratio Range	Ratio	Flags
E 12 DCB Decachlorobiphenyl									
1	1	6.387	6.388	-0.001	177500	0.0384			
2	2	5.822	5.824	-0.002	213921	0.0389			
						RPD = 1.14			

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			

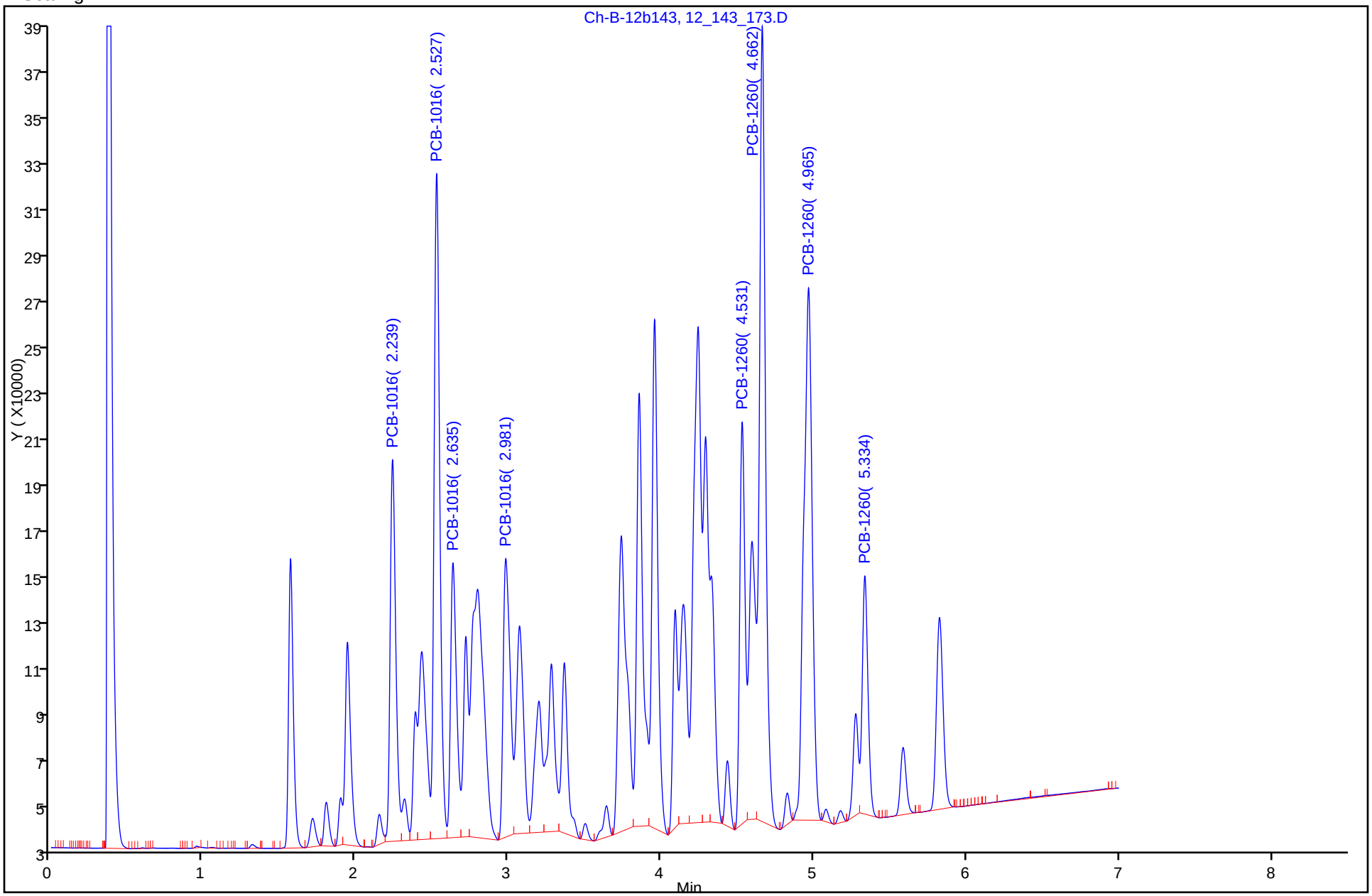
Det	Sig	RT	ADJ RT	DLT RT	Response	On-Col Amt ng/uL	Ratio Range	Ratio	Flags
E 12 DCB Decachlorobiphenyl									
1	1	6.388	6.388	0.000	210594	0.0456			
2	2	5.824	5.824	0.000	254611	0.0463			
						RPD = 1.46			

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.: 480-18292-1 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.: 480-18292-1 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.: 480-18292-1 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

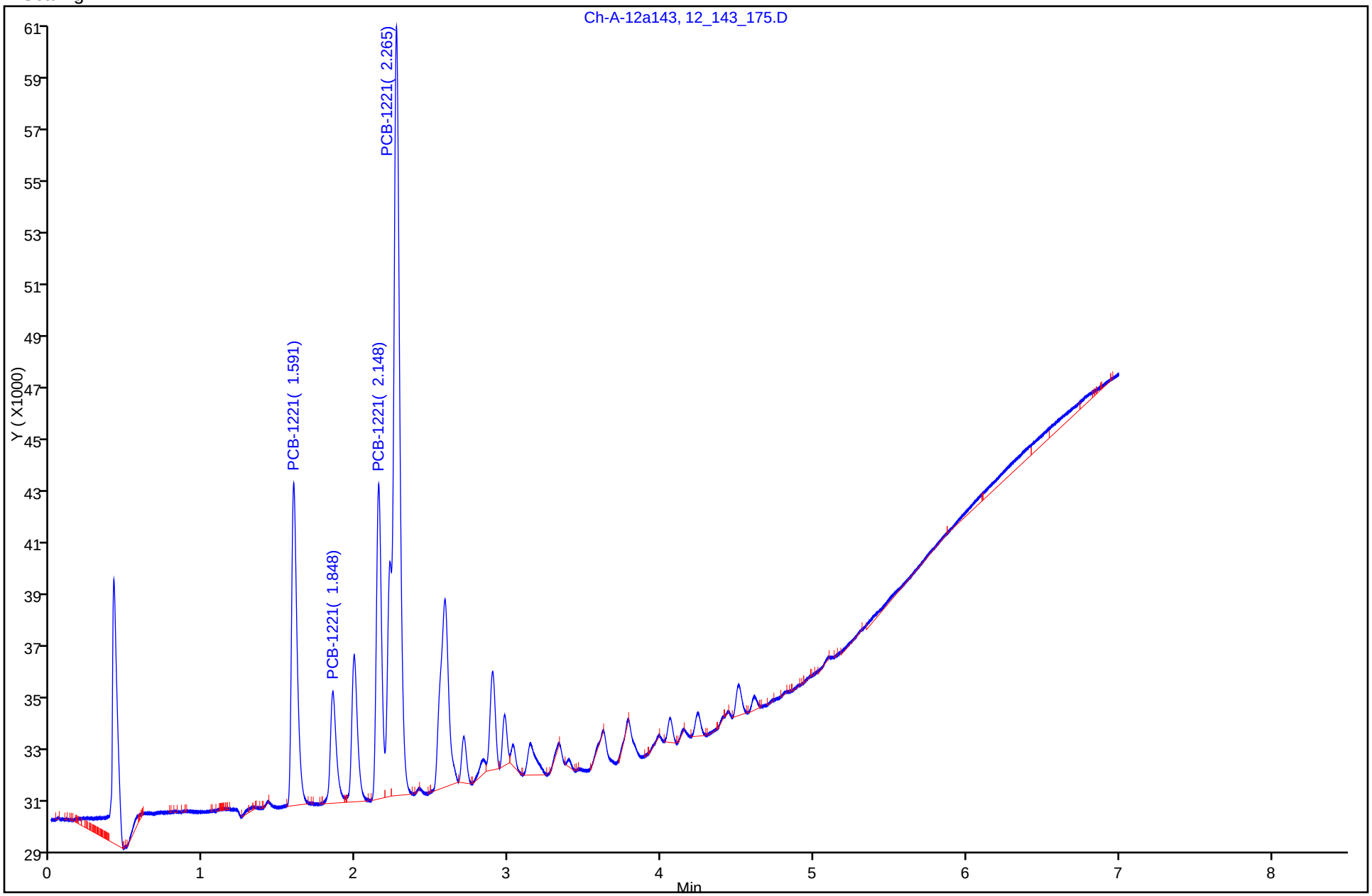
Det	Sig	RT	ADJ RT	DLT RT	Response	On-Col Amt ng/uL	Ratio Range	Ratio	Flags
2 PCB-1221									
1	1	1.591	1.591	0.000	30782	0.5000		100.0	
1	2	1.848	1.848	0.000	11603	0.5000	7.7- 67.7	37.7	A
1	3	2.148	2.148	0.000	27843	0.5000	60.5- 120.5	90.5	A
1	4	2.265	2.265	0.000	79533	0.5000	228.4- 288.4	258.4	A
			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.: 480-18292-1 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.: 480-18292-1 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.: 480-18292-1 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

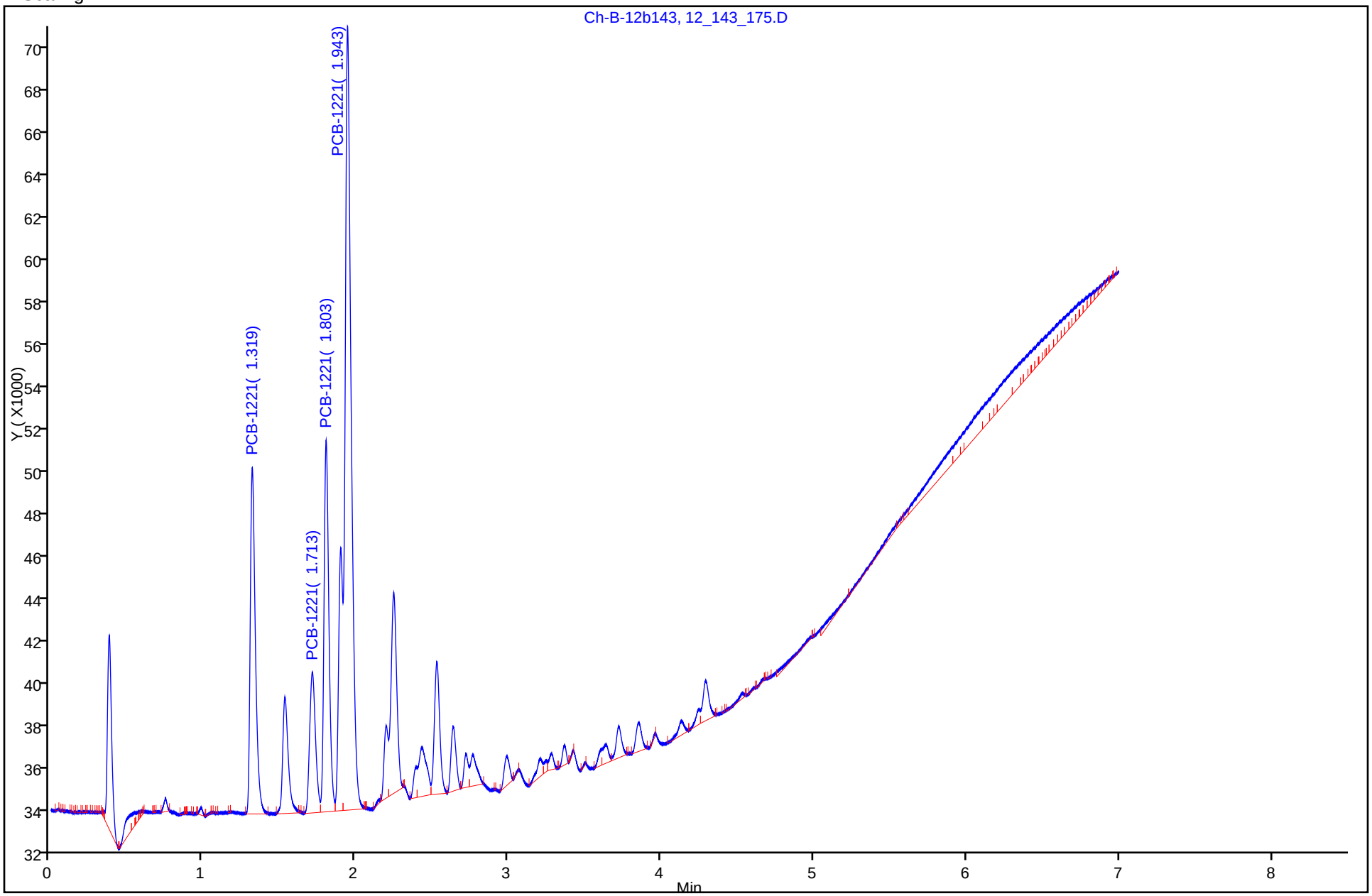
Det	Sig	RT	ADJ RT	DLT RT	Response	On-Col Amt ng/uL	Ratio Range	Ratio	Flags
2 PCB-1221									
1	1	1.591	1.591	0.000	30782	0.5000		100.0	
1	2	1.848	1.848	0.000	11603	0.5000	7.7- 67.7	37.7	A
1	3	2.148	2.148	0.000	27843	0.5000	60.5- 120.5	90.5	A
1	4	2.265	2.265	0.000	79533	0.5000	228.4- 288.4	258.4	A
			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.: 480-18292-1 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.: 480-18292-1 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.: 480-18292-1 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

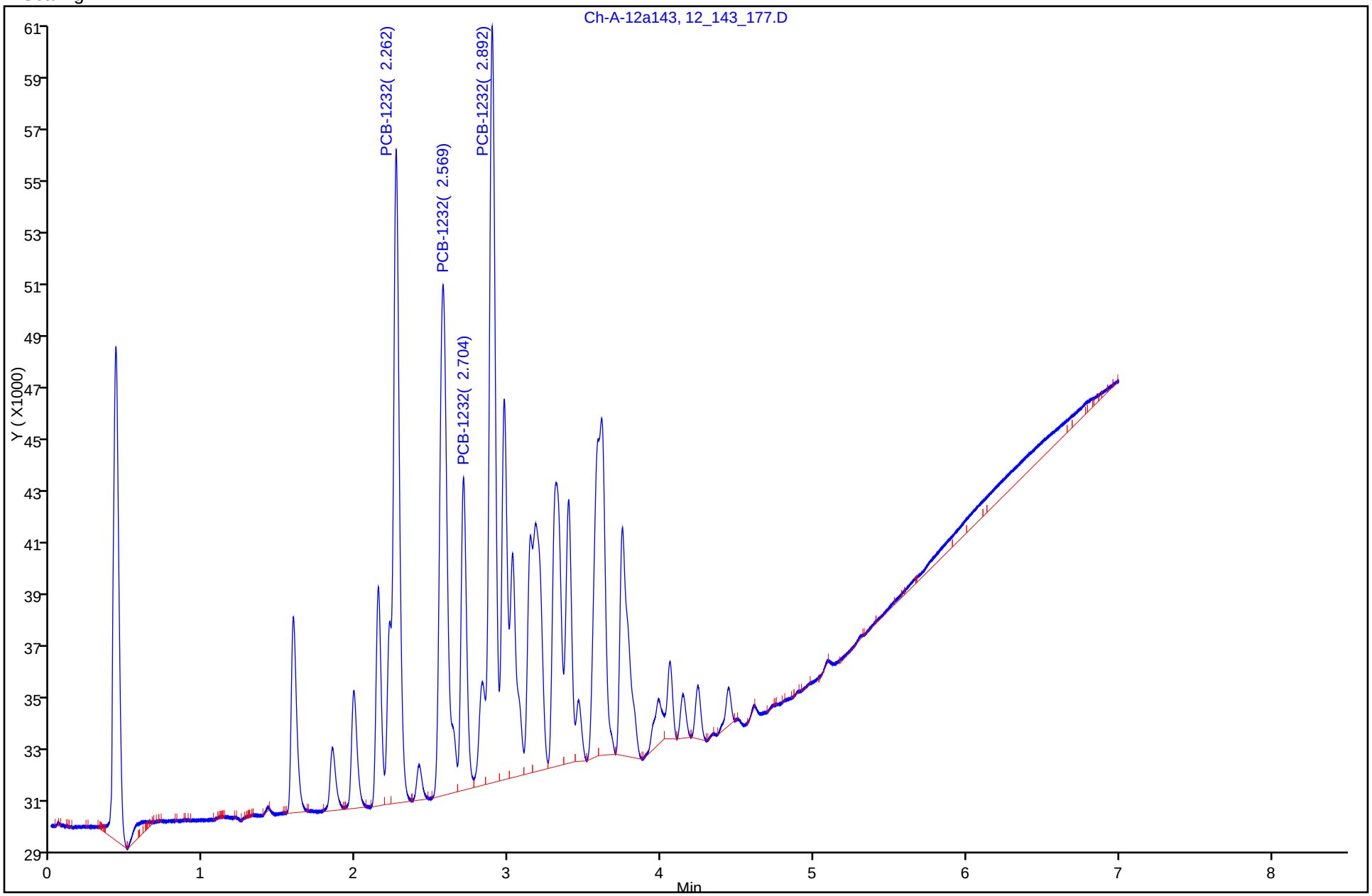
Det	Sig	RT	ADJ RT	DLT RT	Response	On-Col Amt ng/uL	Ratio Range	Ratio	Flags
5 PCB-1232									
1	1	2.262	2.262	0.000	65508	0.5000		100.0	
1	2	2.569	2.569	0.000	65871	0.5000	70.6- 130.6	100.6	
1	3	2.704	2.704	0.000	29569	0.5000	15.1- 75.1	45.1	
1	4	2.892	2.892	0.000	76933	0.5000	87.4- 147.4	117.4	
			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.: 480-18292-1 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.: 480-18292-1 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.: 480-18292-1 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

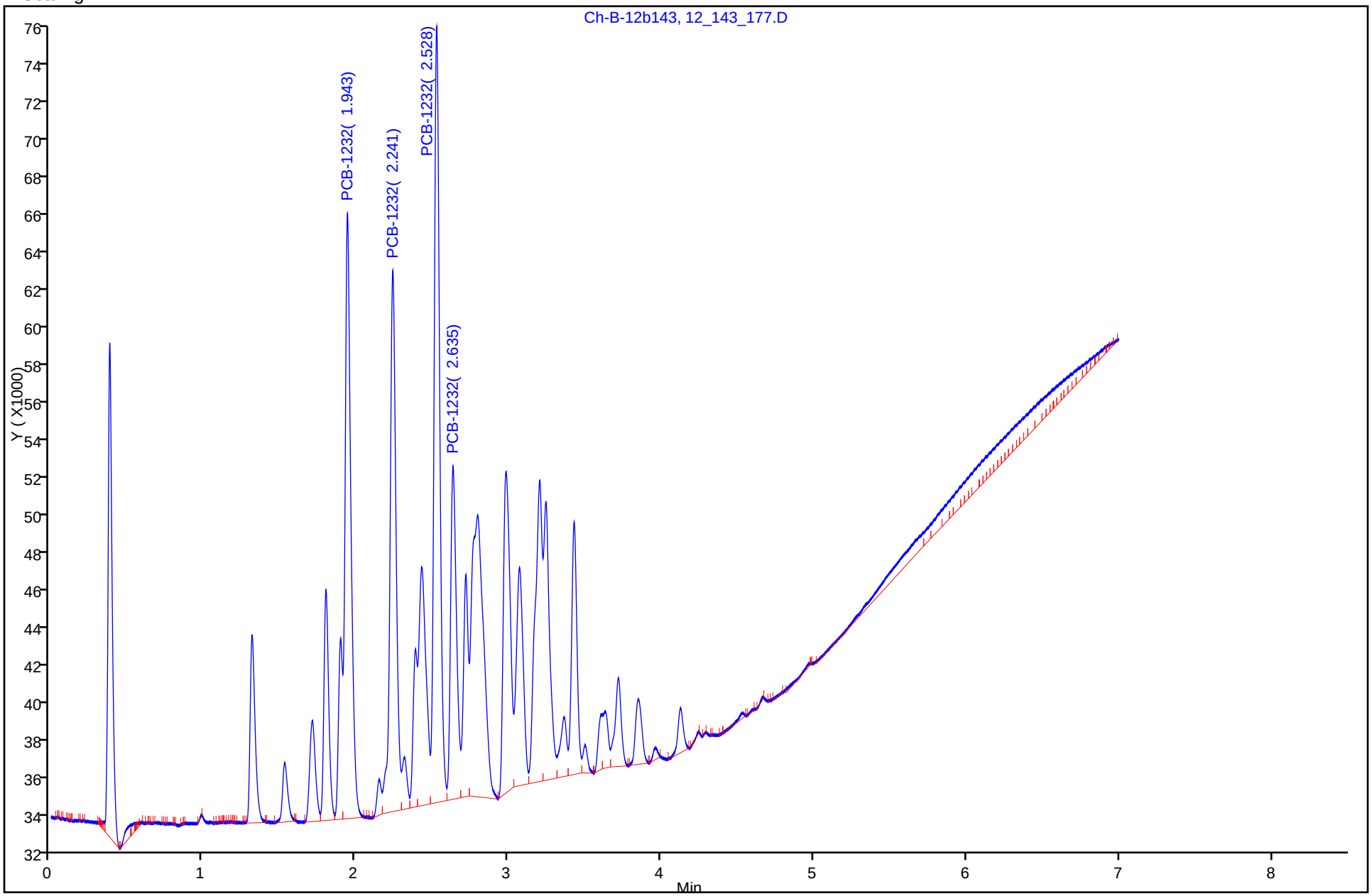
Det	Sig	RT	ADJ RT	DLT RT	Response	On-Col Amt ng/uL	Ratio Range	Ratio	Flags
5 PCB-1232									
1	1	2.262	2.262	0.000	65508	0.5000		100.0	
1	2	2.569	2.569	0.000	65871	0.5000	70.6- 130.6	100.6	
1	3	2.704	2.704	0.000	29569	0.5000	15.1- 75.1	45.1	
1	4	2.892	2.892	0.000	76933	0.5000	87.4- 147.4	117.4	
			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.: 480-18292-1 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.: 480-18292-1 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.: 480-18292-1 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

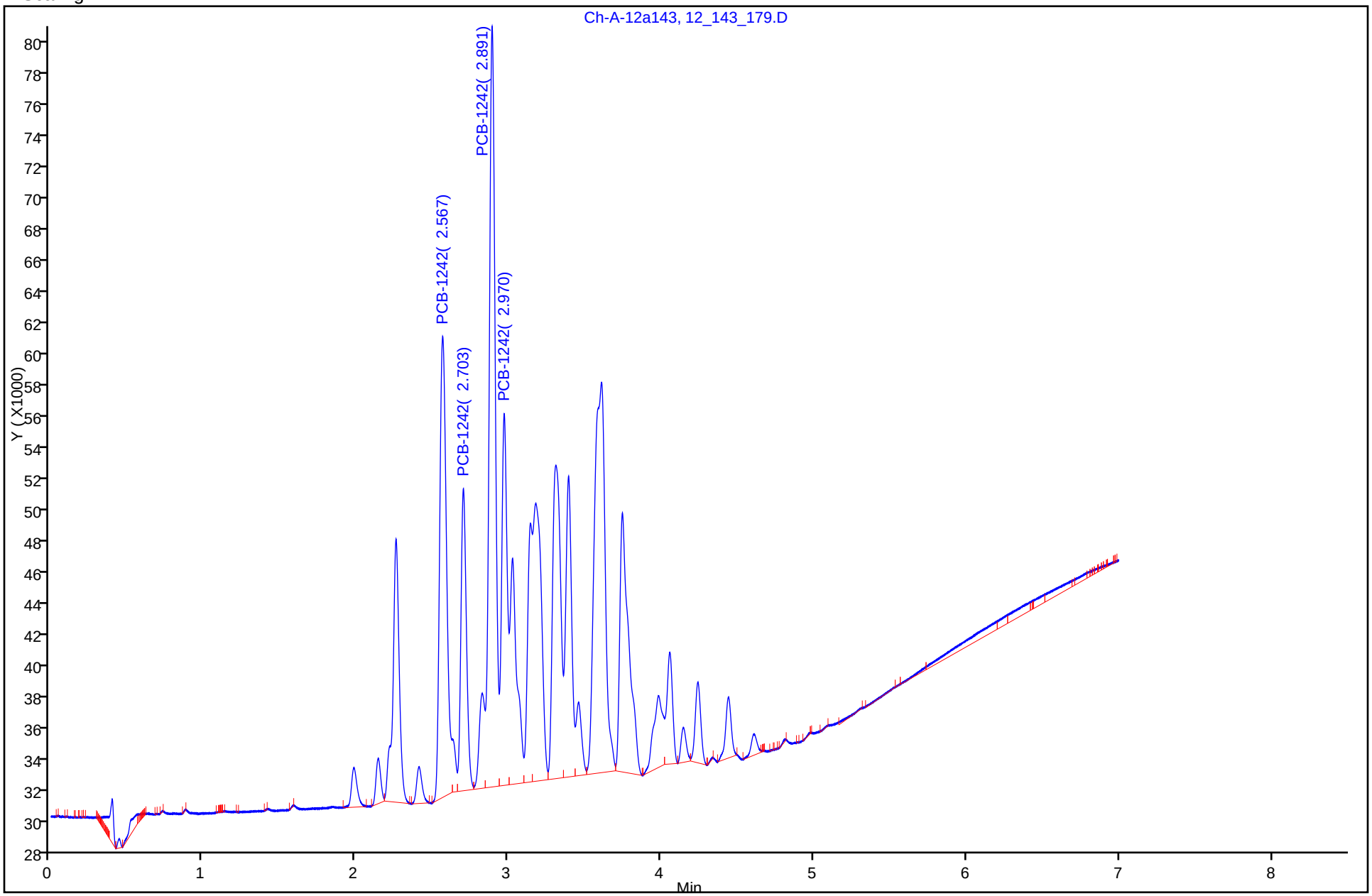
Det	Sig	RT	ADJ RT	DLT RT	Response	On-Col Amt ng/uL	Ratio Range	Ratio	Flags
4 PCB-1242									
1	1	2.567	2.567	0.000	90726	0.5000		100.0	
1	2	2.703	2.703	0.000	47881	0.5000	22.8- 82.8	52.8	
1	3	2.891	2.891	0.000	132132	0.5000	115.6- 175.6	145.6	
1	4	2.970	2.970	0.000	58890	0.5000	34.9- 94.9	64.9	
			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.: 480-18292-1 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.: 480-18292-1 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.: 480-18292-1 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

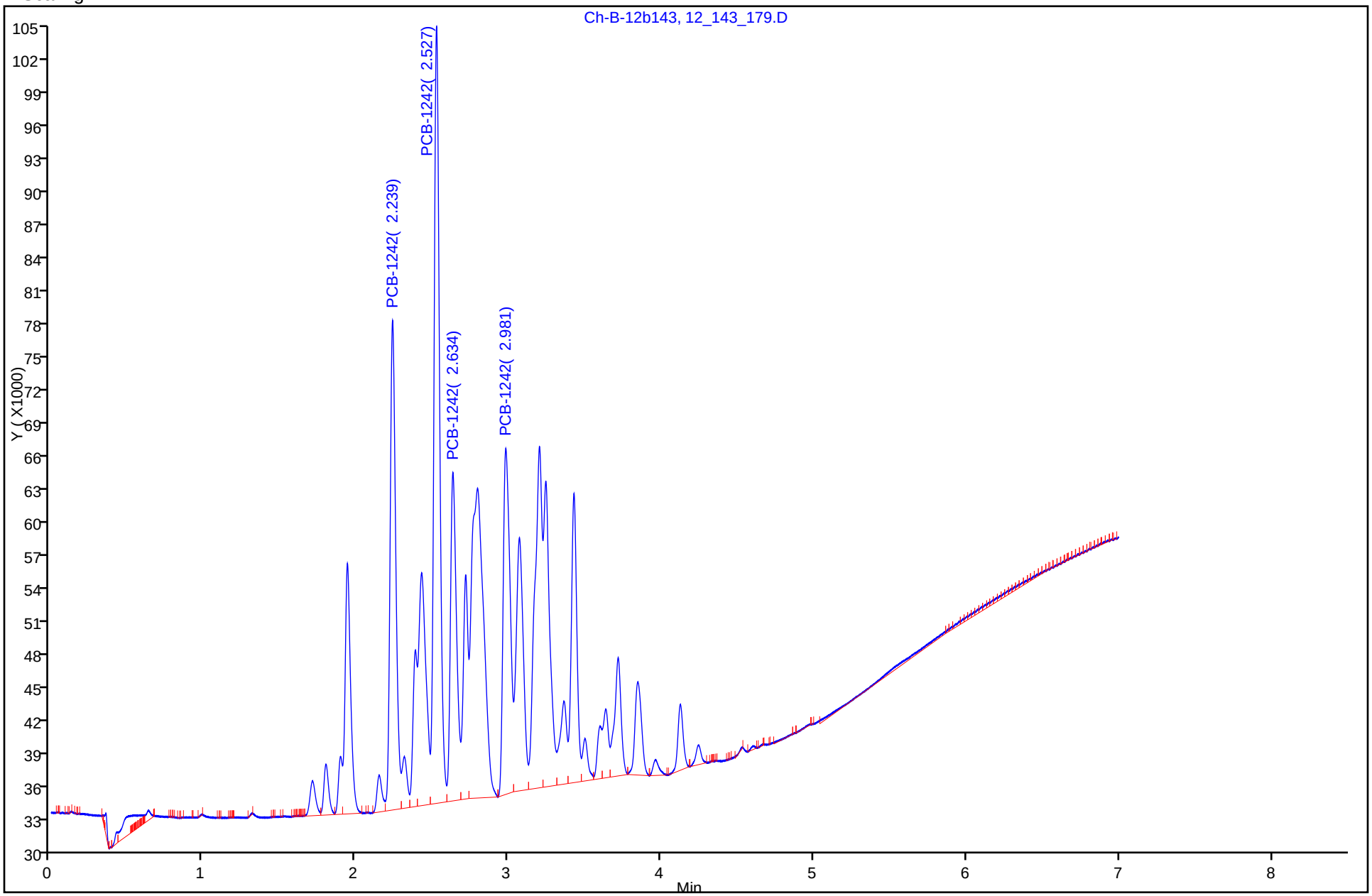
Det	Sig	RT	ADJ RT	DLT RT	Response	On-Col Amt ng/uL	Ratio Range	Ratio	Flags
4 PCB-1242									
1	1	2.567	2.567	0.000	90726	0.5000		100.0	
1	2	2.703	2.703	0.000	47881	0.5000	22.8- 82.8	52.8	
1	3	2.891	2.891	0.000	132132	0.5000	115.6- 175.6	145.6	
1	4	2.970	2.970	0.000	58890	0.5000	34.9- 94.9	64.9	
			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.: 480-18292-1 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.: 480-18292-1 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.: 480-18292-1 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

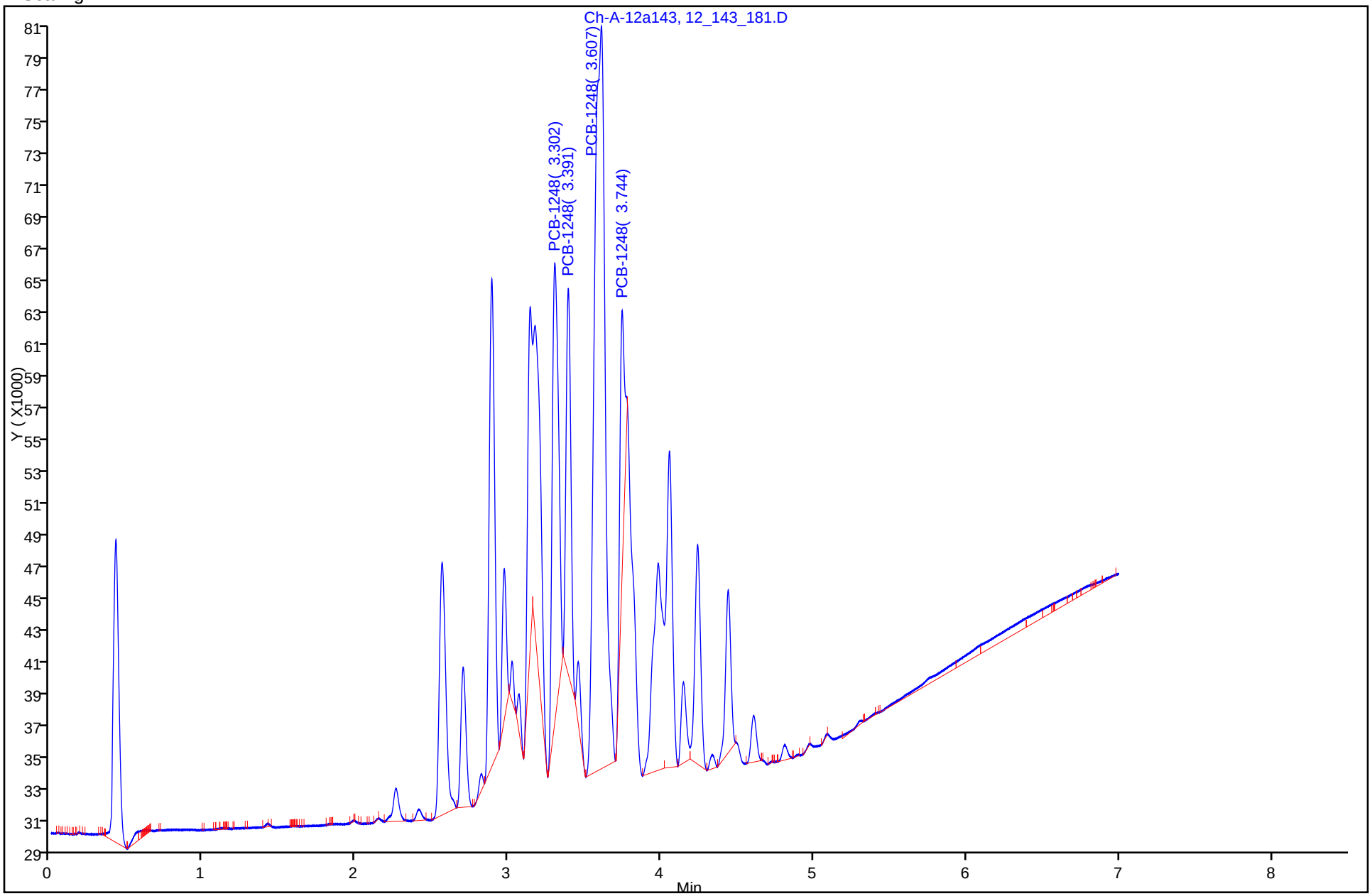
Det	Sig	RT	ADJ RT	DLT RT	Response	On-Col Amt ng/uL	Ratio Range	Ratio	Flags
7 PCB-1248									
1	1	3.302	3.302	0.000	81199	0.5000		100.0	
1	2	3.391	3.391	0.000	52122	0.5000	34.2- 94.2	64.2	A
1	3	3.607	3.607	0.000	225084	0.5000	247.2- 307.2	277.2	A
1	4	3.744	3.744	0.000	33431	0.5000	11.2- 71.2	41.2	A
			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.: 480-18292-1 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.: 480-18292-1 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.: 480-18292-1 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

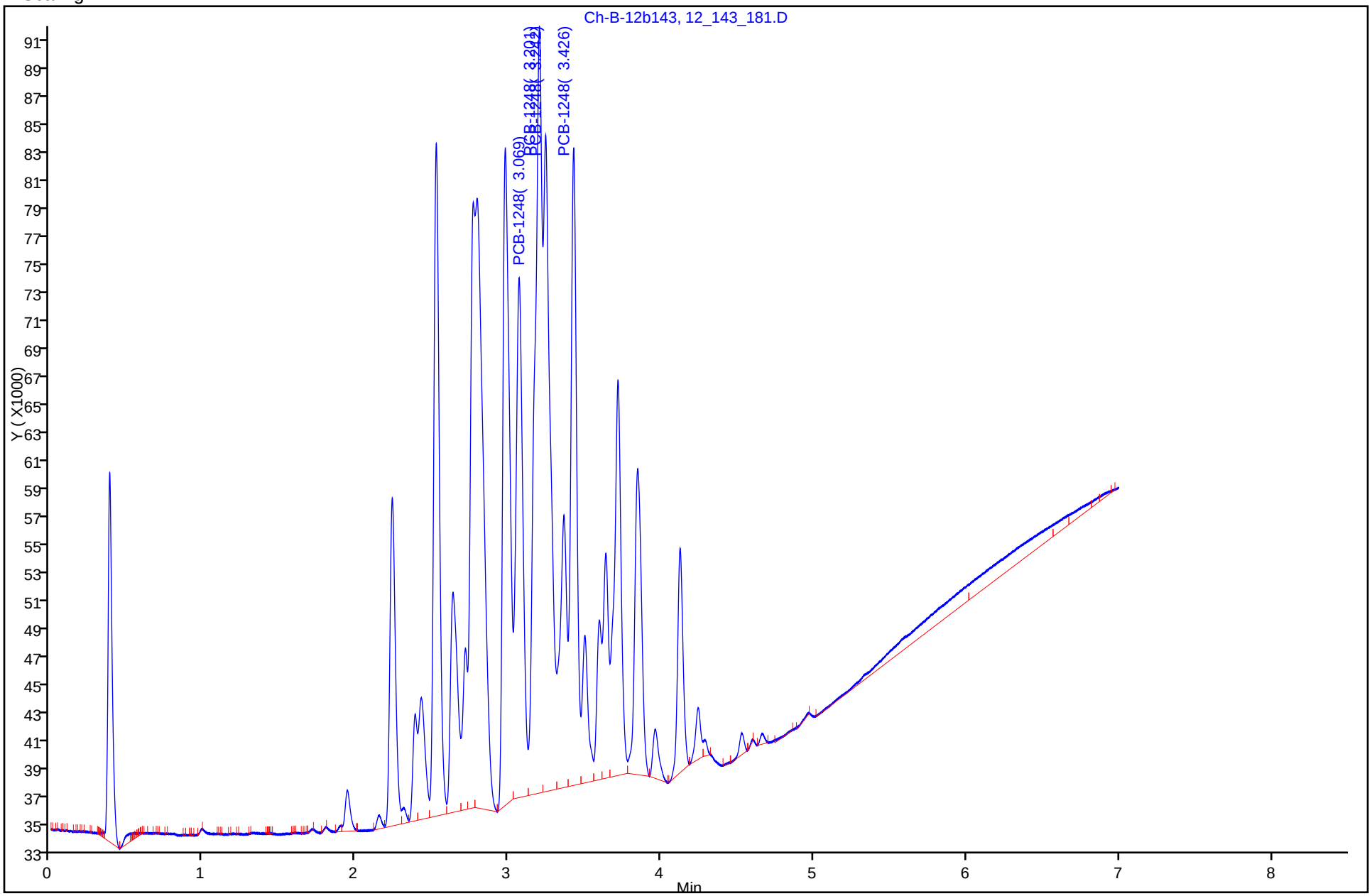
Det	Sig	RT	ADJ RT	DLT RT	Response	On-Col Amt ng/uL	Ratio Range	Ratio	Flags
7 PCB-1248									
1	1	3.302	3.302	0.000	81199	0.5000		100.0	
1	2	3.391	3.391	0.000	52122	0.5000	34.2- 94.2	64.2	A
1	3	3.607	3.607	0.000	225084	0.5000	247.2- 307.2	277.2	A
1	4	3.744	3.744	0.000	33431	0.5000	11.2- 71.2	41.2	A
			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.: 480-18292-1 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.: 480-18292-1 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.: 480-18292-1 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

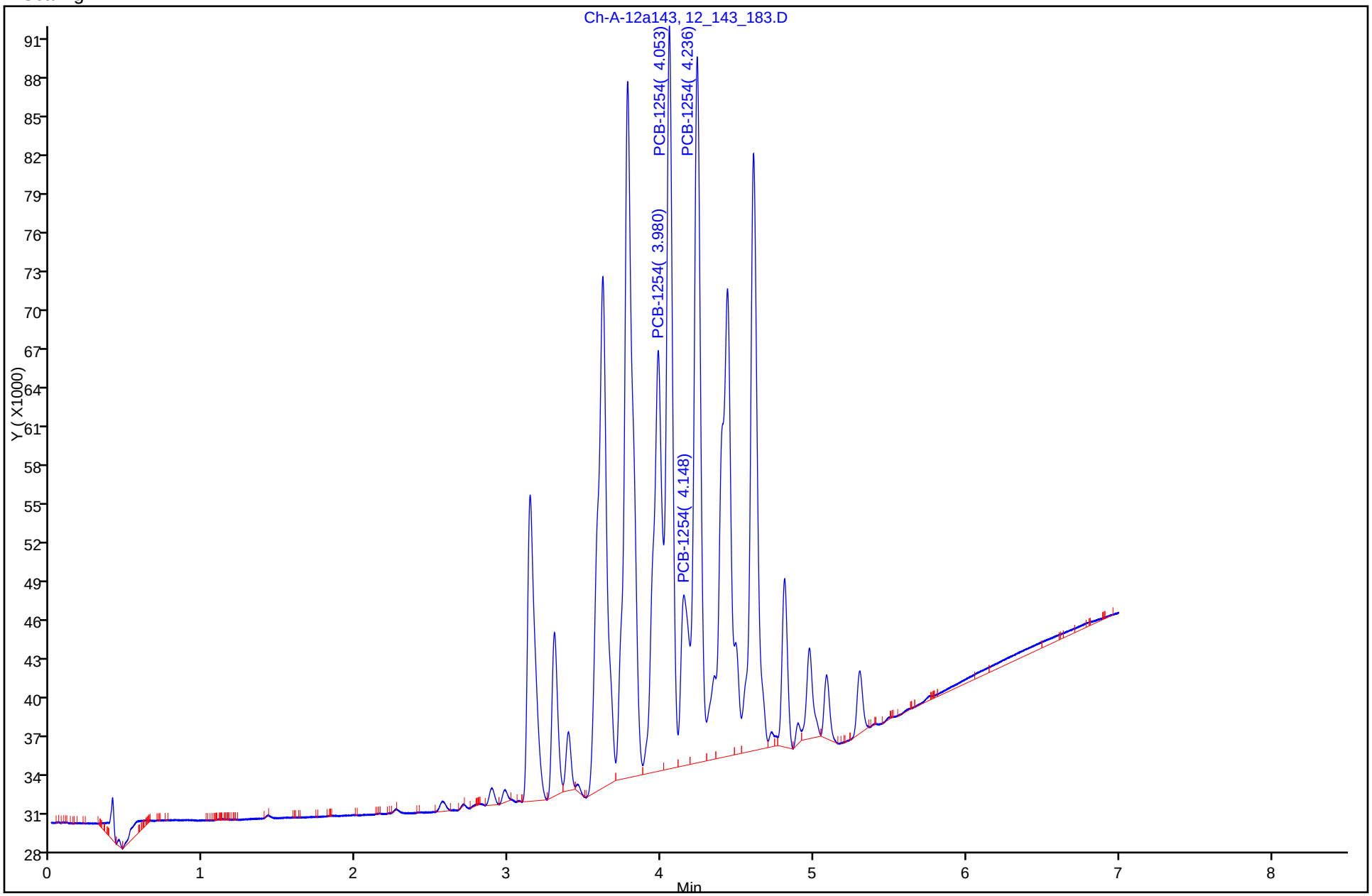
Det	Sig	RT	ADJ RT	DLT RT	Response	On-Col Amt ng/uL	Ratio Range	Ratio	Flags
8 PCB-1254									
1	1	3.980	3.980	0.000	125566	0.5000		100.0	
1	2	4.053	4.053	0.000	161684	0.5000	98.8- 158.8	128.8	
1	3	4.148	4.148	0.000	45661	0.5000	6.4- 66.4	36.4	
1	4	4.236	4.236	0.000	162033	0.5000	99.0- 159.0	129.0	
			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.: 480-18292-1 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.: 480-18292-1 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.: 480-18292-1 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

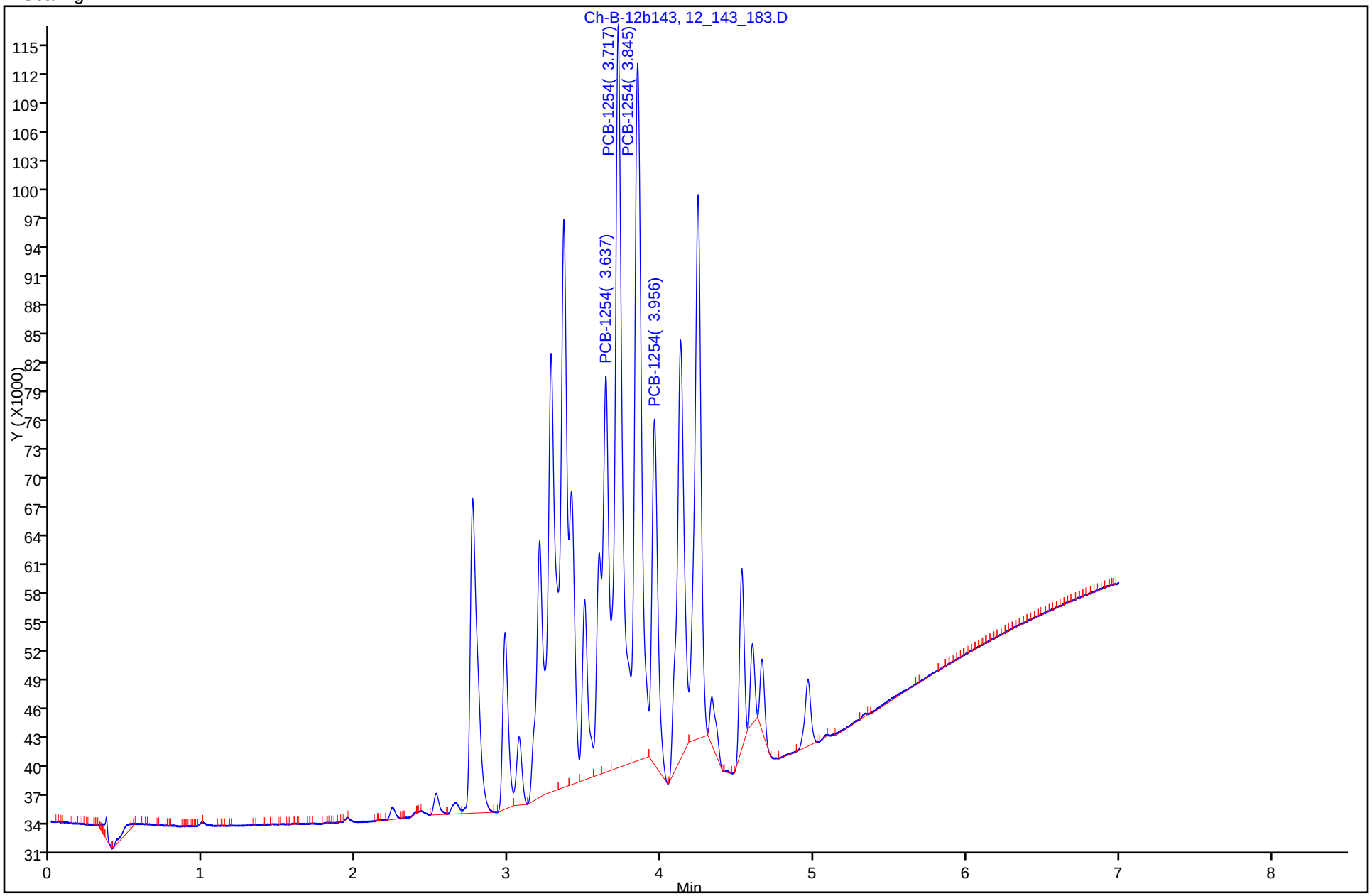
Det	Sig	RT	ADJ RT	DLT RT	Response	On-Col Amt ng/uL	Ratio Range	Ratio	Flags
8 PCB-1254									
1	1	3.980	3.980	0.000	125566	0.5000		100.0	
1	2	4.053	4.053	0.000	161684	0.5000	98.8- 158.8	128.8	
1	3	4.148	4.148	0.000	45661	0.5000	6.4- 66.4	36.4	
1	4	4.236	4.236	0.000	162033	0.5000	99.0- 159.0	129.0	
			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.: 480-18292-1

SDG No.:

Lab Sample ID: CCV 480-59004/2 Calibration Date: 04/11/2012 07:09

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_164_066.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	322582		0.707	0.500	41.4*	15.0
PCB-1016 Peak 2	Ave	119908	180170		0.751	0.500	50.3*	15.0
PCB-1016 Peak 3	Ave	331581	443086		0.668	0.500	33.6*	15.0
PCB-1016 Peak 4	Ave	133756	214424		0.802	0.500	60.3*	15.0
PCB-1260 Peak 1	Ave	272257	389920		0.716	0.500	43.2*	15.0
PCB-1260 Peak 2	Ave	438611	538192		0.614	0.500	22.7*	15.0
PCB-1260 Peak 3	Ave	177029	243466		0.688	0.500	37.5*	15.0
PCB-1260 Peak 4	Ave	124111	142088		0.572	0.500	14.5	15.0
Tetrachloro-m-xylene	Lin1		5588500		0.0380	0.0300	26.7*	15.0
DCB Decachlorobiphenyl	Ave	4617528	6280467		0.0408	0.0300	36.0*	15.0

FORM VII
PCBS CONTINUING CALIBRATION RETENTION TIME SUMMARY

Lab Name: TestAmerica Buffalo Job No.: 480-18292-1

SDG No.:

Lab Sample ID: CCV 480-59004/2 Calibration Date: 04/11/2012 07:09

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_164_066.D

Analyte	RT	RT WINDOW	
		TO	FROM
PCB-1016 Peak 1	2.69	2.66	2.72
PCB-1016 Peak 2	2.83	2.80	2.86
PCB-1016 Peak 3	3.02	2.99	3.05
PCB-1016 Peak 4	3.09	3.06	3.12
PCB-1260 Peak 1	4.80	4.77	4.83
PCB-1260 Peak 2	5.15	5.12	5.18
PCB-1260 Peak 3	5.37	5.34	5.40
PCB-1260 Peak 4	5.81	5.78	5.84
Tetrachloro-m-xylene	2.13	2.10	2.16
DCB Decachlorobiphenyl	6.42	6.36	6.48

TestAmerica Laboratories
Target Compound Quantitation Report

Data File: \\Bufchrom\ChromData\HP5890-12\20120410-10886.b\12_164_066.D
Lims ID: ccv Client ID:
Inject. Date: 11-Apr-2012 07:09:12 Dil. Factor: 1.0000
Sample Type: CCV
Sample ID: Name: CCV
Misc. Info.: Study: 480-0010886-002 Channel B: I/F Serial#, 9205571204
Operator: tchrom Instrument ID: HP5890-12
Vol. Injected: 1.0000 ALS Bottle#: 0
Lims Batch ID: 59004 Lims Sample ID: 2
Sublist: chrom-hp12_pcb*sub1
Detector 1 : Ch-A-7A136
Detector 2 : Ch-B-7b136

Method: \\Bufchrom\ChromData\HP5890-12\20120410-10886.b\hp12_pcb.m
Last Update: 11-Apr-2012 10:53:34 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: 11-Apr-2012 10:53:34

Det	Sig	RT	ADJ RT	DLT RT	Response	On-Col Amt ng/uL	Ratio Range	Ratio	Flags
$ 3 Tetrachloro-m-xylene									
1	1	2.130	2.130	0.000	167655	0.0380			
2	2	1.655	1.655	0.000	184880	0.0332			
						RPD = 13.73			
6 PCB-1016									
1	1	2.687	2.687	0.000	161291	0.7070		100.0	
1	2	2.825	2.825	0.000	90085	0.7513	23.9- 83.9	55.9	
1	3	3.015	3.015	0.000	221543	0.6681	125.0- 185.0	137.4	
1	4	3.093	3.093	0.000	107212	0.8015	35.0- 95.0	66.5	
			Average of Peak Amounts =			0.7320			
2	5	2.322	2.322	0.000	156478	0.5180		100.0	
2	6	2.613	2.613	0.000	245654	0.5220	147.0- 207.0	157.0	
2	7	2.720	2.720	0.000	117956	0.5829	46.8- 106.8	75.4	
2	8	3.062	3.062	0.000	126096	0.5200	60.1- 120.1	80.6	
			Average of Peak Amounts =			0.5357			
						RPD = 30.97			
9 PCB-1260									
1	1	4.802	4.802	0.000	194960	0.7161		100.0	
1	2	5.152	5.152	0.000	269096	0.6135	117.3- 177.3	138.0	
1	3	5.369	5.369	0.000	121733	0.6876	33.5- 93.5	62.4	
1	4	5.808	5.808	0.000	71044	0.5724	9.6- 69.6	36.4	
			Average of Peak Amounts =			0.6474			
2	5	4.567	4.567	0.000	126451	0.5163		100.0	
2	6	4.694	4.694	0.000	293755	0.5241	199.7- 259.7	232.3	
2	7	4.983	4.983	0.000	252665	0.4608	180.5- 240.5	199.8	
2	8	5.345	5.345	0.000	74512	0.5317	34.9- 94.9	58.9	
			Average of Peak Amounts =			0.5082			
						RPD = 24.09			

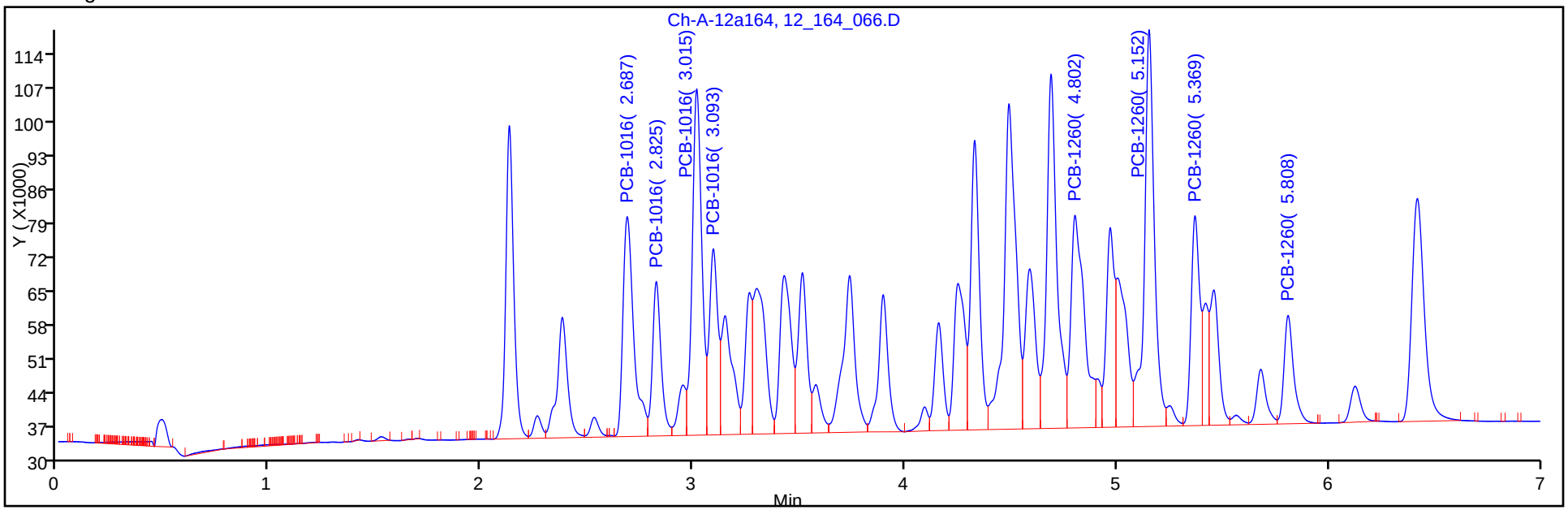
Det	Sig	RT	ADJ RT	DLT RT	Response	On-Col Amt ng/uL	Ratio Range	Ratio	Flags
E 12 DCB Decachlorobiphenyl									
1	1	6.419	6.419	0.000	188414	0.0408			
2	2	5.809	5.809	0.000	186880	0.0340			
						RPD = 18.29			

Report Date: 11-Apr-2012 10:53:34 Chrom Revision: 2.0 20-Feb-2012 13:27:02

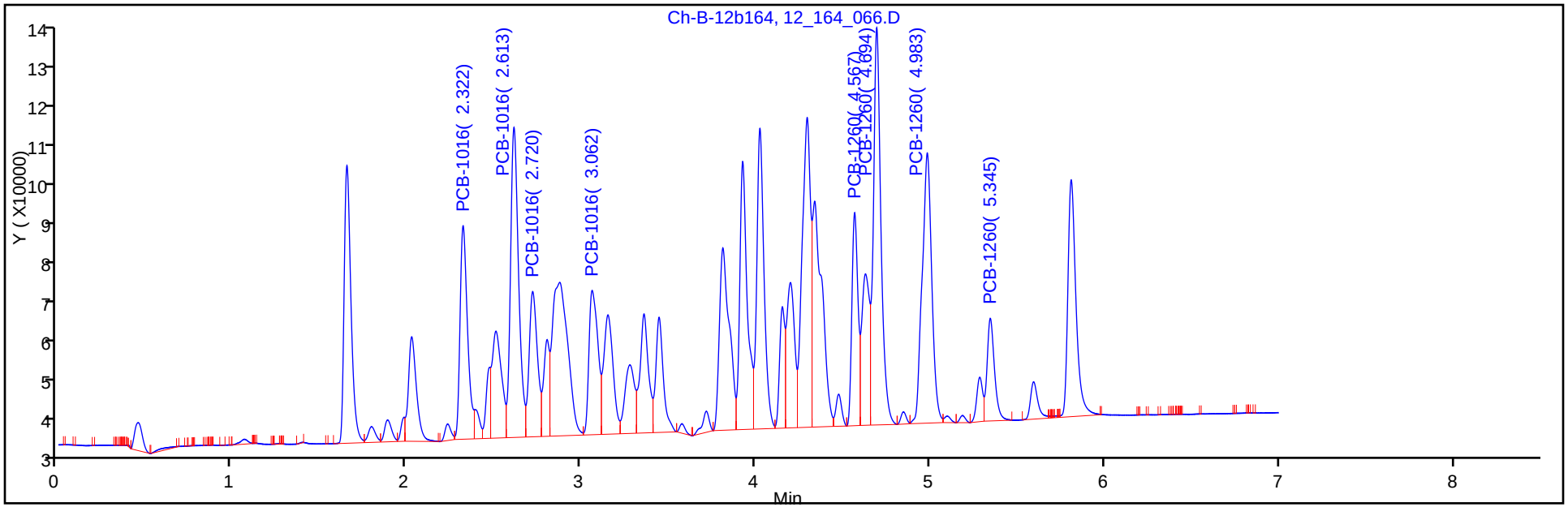
Data File: \\Bufchrom\ChromData\HP5890-12\20120410-10886.b\12_164_066.D

Injection Date:	11-Apr-2012 07:09:12	Limit Group:	GC - 8082 PCB ICAL
Client ID:		Instrument ID:	HP5890-12
Lims Batch ID:	59004	Lims Sample ID:	2
Operator ID:	tchrom	Injection Vol:	1.00 ul

Y Scaling:



Y Scaling:



FORM VII
PCBS CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Buffalo Job No.: 480-18292-1

SDG No.:

Lab Sample ID: CCV 480-59004/2 Calibration Date: 04/11/2012 07:09

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_164_066.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	312956		0.518	0.500	3.6	15.0
PCB-1016 Peak 2	Ave	470601	491308		0.522	0.500	4.4	15.0
PCB-1016 Peak 3	Ave	202375	235912		0.583	0.500	16.6*	15.0
PCB-1016 Peak 4	Ave	242504	252192		0.520	0.500	4.0	15.0
PCB-1260 Peak 1	Ave	244938	252902		0.516	0.500	3.3	15.0
PCB-1260 Peak 2	Ave	560523	587510		0.524	0.500	4.8	15.0
PCB-1260 Peak 3	Ave	548316	505330		0.461	0.500	-7.8	15.0
PCB-1260 Peak 4	Ave	140145	149024		0.532	0.500	6.3	15.0
Tetrachloro-m-xylene	Lin1		6162667		0.0332	0.0300	10.7	15.0
DCB Decachlorobiphenyl	Ave	5501799	6229333		0.0340	0.0300	13.2	15.0

FORM VII
PCBS CONTINUING CALIBRATION RETENTION TIME SUMMARY

Lab Name: TestAmerica Buffalo Job No.: 480-18292-1

SDG No.:

Lab Sample ID: CCV 480-59004/2 Calibration Date: 04/11/2012 07:09

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_164_066.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	4.57	4.54	4.60
PCB-1260 Peak 2	4.69	4.66	4.72
PCB-1260 Peak 3	4.98	4.95	5.01
PCB-1260 Peak 4	5.35	5.32	5.38
Tetrachloro-m-xylene	1.66	1.63	1.69
DCB Decachlorobiphenyl	5.81	5.75	5.87

TestAmerica Laboratories
Target Compound Quantitation Report

Data File: \\Bufchrom\ChromData\HP5890-12\20120410-10886.b\12_164_066.D
Lims ID: ccv Client ID:
Inject. Date: 11-Apr-2012 07:09:12 Dil. Factor: 1.0000
Sample Type: CCV
Sample ID: Name: CCV
Misc. Info.: Study: 480-0010886-002 Channel B: I/F Serial#, 9205571204
Operator: tchrom Instrument ID: HP5890-12
Vol. Injected: 1.0000 ALS Bottle#: 0
Lims Batch ID: 59004 Lims Sample ID: 2
Sublist: chrom-hp12_pcb*sub1
Detector 1 : Ch-A-7A136
Detector 2 : Ch-B-7b136

Method: \\Bufchrom\ChromData\HP5890-12\20120410-10886.b\hp12_pcb.m
Last Update: 11-Apr-2012 10:53:34 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: 11-Apr-2012 10:53:34

Det	Sig	RT	ADJ RT	DLT RT	Response	On-Col Amt ng/uL	Ratio Range	Ratio	Flags
$ 3 Tetrachloro-m-xylene									
1	1	2.130	2.130	0.000	167655	0.0380			
2	2	1.655	1.655	0.000	184880	0.0332			
						RPD = 13.73			
6 PCB-1016									
1	1	2.687	2.687	0.000	161291	0.7070		100.0	
1	2	2.825	2.825	0.000	90085	0.7513	23.9- 83.9	55.9	
1	3	3.015	3.015	0.000	221543	0.6681	125.0- 185.0	137.4	
1	4	3.093	3.093	0.000	107212	0.8015	35.0- 95.0	66.5	
			Average of Peak Amounts =			0.7320			
2	5	2.322	2.322	0.000	156478	0.5180		100.0	
2	6	2.613	2.613	0.000	245654	0.5220	147.0- 207.0	157.0	
2	7	2.720	2.720	0.000	117956	0.5829	46.8- 106.8	75.4	
2	8	3.062	3.062	0.000	126096	0.5200	60.1- 120.1	80.6	
			Average of Peak Amounts =			0.5357			
						RPD = 30.97			
9 PCB-1260									
1	1	4.802	4.802	0.000	194960	0.7161		100.0	
1	2	5.152	5.152	0.000	269096	0.6135	117.3- 177.3	138.0	
1	3	5.369	5.369	0.000	121733	0.6876	33.5- 93.5	62.4	
1	4	5.808	5.808	0.000	71044	0.5724	9.6- 69.6	36.4	
			Average of Peak Amounts =			0.6474			
2	5	4.567	4.567	0.000	126451	0.5163		100.0	
2	6	4.694	4.694	0.000	293755	0.5241	199.7- 259.7	232.3	
2	7	4.983	4.983	0.000	252665	0.4608	180.5- 240.5	199.8	
2	8	5.345	5.345	0.000	74512	0.5317	34.9- 94.9	58.9	
			Average of Peak Amounts =			0.5082			
						RPD = 24.09			

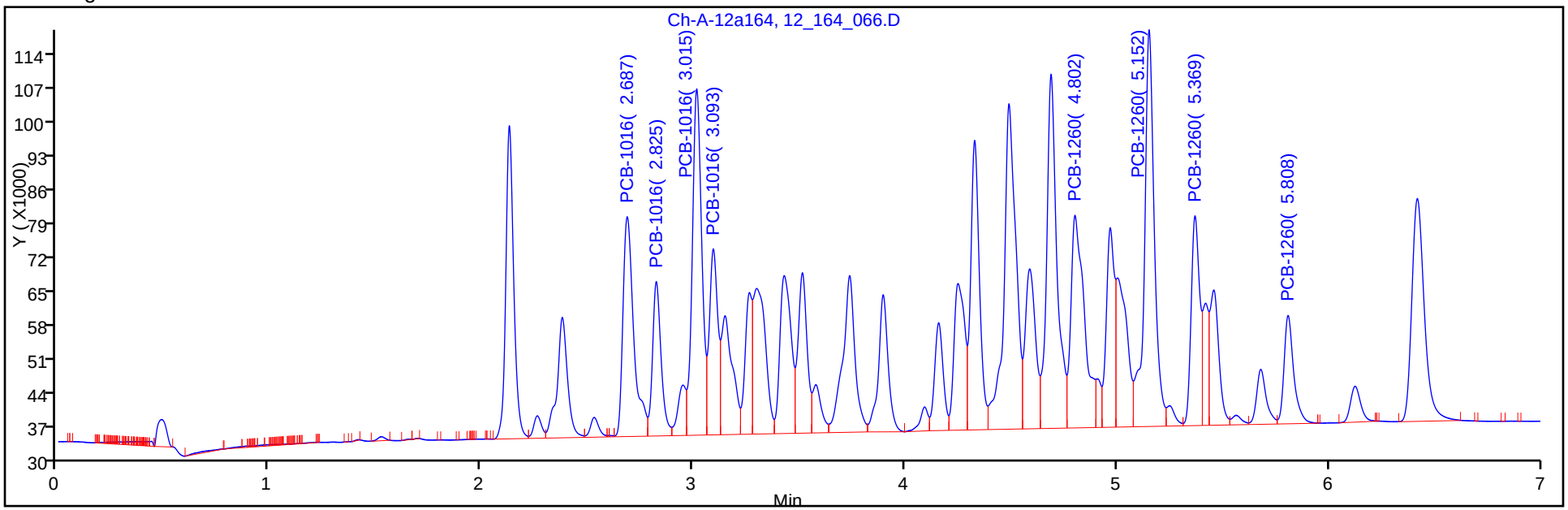
Det	Sig	RT	ADJ RT	DLT RT	Response	On-Col Amt ng/uL	Ratio Range	Ratio	Flags
E 12 DCB Decachlorobiphenyl									
1	1	6.419	6.419	0.000	188414	0.0408			
2	2	5.809	5.809	0.000	186880	0.0340			
						RPD = 18.29			

Report Date: 11-Apr-2012 10:53:36 Chrom Revision: 2.0 20-Feb-2012 13:27:02

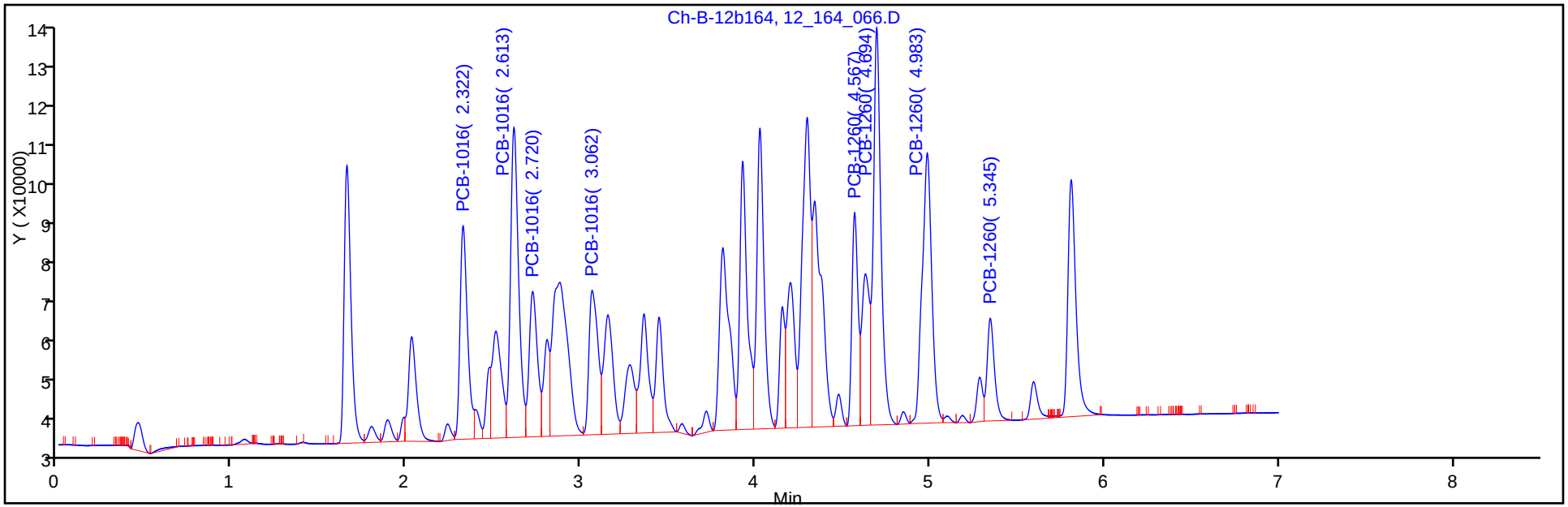
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Injection Date:	11-Apr-2012 07:09:12	Limit Group:	GC - 8082 PCB ICAL
Client ID:		Instrument ID:	HP5890-12
Lims Batch ID:	59004	Lims Sample ID:	2
Operator ID:	tchrom	Injection Vol:	1.00 ul

Y Scaling:



Y Scaling:



FORM VII
PCBS CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Buffalo Job No.: 480-18292-1

SDG No.:

Lab Sample ID: CCV 480-59004/14 Calibration Date: 04/11/2012 10:05

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_164_078.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	310818		0.681	0.500	36.2*	15.0
PCB-1016 Peak 2	Ave	119908	174306		0.727	0.500	45.4*	15.0
PCB-1016 Peak 3	Ave	331581	421852		0.636	0.500	27.2*	15.0
PCB-1016 Peak 4	Ave	133756	212622		0.795	0.500	59.0*	15.0
PCB-1260 Peak 1	Ave	272257	375080		0.689	0.500	37.8*	15.0
PCB-1260 Peak 2	Ave	438611	533660		0.608	0.500	21.7*	15.0
PCB-1260 Peak 3	Ave	177029	237458		0.671	0.500	34.1*	15.0
PCB-1260 Peak 4	Ave	124111	138402		0.558	0.500	11.5	15.0
Tetrachloro-m-xylene	Lin1		5469633		0.0373	0.0300	24.3*	15.0
DCB Decachlorobiphenyl	Ave	4617528	6297500		0.0409	0.0300	36.4*	15.0

FORM VII
PCBS CONTINUING CALIBRATION RETENTION TIME SUMMARY

Lab Name: TestAmerica Buffalo Job No.: 480-18292-1

SDG No.:

Lab Sample ID: CCV 480-59004/14 Calibration Date: 04/11/2012 10:05

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_164_078.D

Analyte	RT	RT WINDOW	
		TO	FROM
PCB-1016 Peak 1	2.69	2.66	2.72
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	4.79	4.76	4.82
PCB-1260 Peak 2	5.13	5.10	5.16
PCB-1260 Peak 3	5.34	5.31	5.37
PCB-1260 Peak 4	5.77	5.74	5.80
Tetrachloro-m-xylene	2.13	2.10	2.16
DCB Decachlorobiphenyl	6.38	6.32	6.44

TestAmerica Laboratories
Target Compound Quantitation Report

Data File: \\Bufchrom\ChromData\HP5890-12\20120410-10886.b\12_164_078.D
Lims ID: ccv Client ID:
Inject. Date: 11-Apr-2012 10:05:55 Dil. Factor: 1.0000
Sample Type: CCV
Sample ID: Name: CCV
Misc. Info.: Study: 480-0010886-014 Channel B: I/F Serial#, 9205571204
Operator: tchrom Instrument ID: HP5890-12
Vol. Injected: 1.0000 ALS Bottle#: 0
Lims Batch ID: 59004 Lims Sample ID: 14
Sublist: chrom-hp12_pcb*sub21
Detector 1 : Ch-A-7A136
Detector 2 : Ch-B-7b136

Method: \\Bufchrom\ChromData\HP5890-12\20120410-10886.b\hp12_pcb.m
Last Update: 11-Apr-2012 10:53:24 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: bescod Date: 11-Apr-2012 10:53:23

Det	Sig	RT	ADJ RT	DLT RT	Response	On-Col Amt ng/uL	Ratio Range	Ratio	Flags
$ 3 Tetrachloro-m-xylene									
1	1	2.127	2.127	0.000	164089	0.0373			
2	2	1.654	1.654	0.000	180368	0.0324			
						RPD = 14.05			
6 PCB-1016									
1	1	2.685	2.685	0.000	155409	0.6812		100.0	
1	2	2.821	2.821	0.000	87153	0.7268	23.9- 83.9	56.1	
1	3	3.012	3.012	0.000	210926	0.6361	125.0- 185.0	135.7	
1	4	3.089	3.089	0.000	106311	0.7948	35.0- 95.0	68.4	
			Average of Peak Amounts =			0.7098			
2	5	2.320	2.320	0.000	153457	0.5080		100.0	
2	6	2.613	2.613	0.000	237606	0.5049	147.0- 207.0	154.8	
2	7	2.720	2.720	0.000	118246	0.5843	46.8- 106.8	77.1	
2	8	3.059	3.059	0.000	120395	0.4965	60.1- 120.1	78.5	
			Average of Peak Amounts =			0.5234			
						RPD = 30.22			
9 PCB-1260									
1	1	4.785	4.785	0.000	187540	0.6888		100.0	
1	2	5.129	5.129	0.000	266830	0.6084	117.3- 177.3	142.3	
1	3	5.343	5.343	0.000	118729	0.6707	33.5- 93.5	63.3	
1	4	5.773	5.773	0.000	69201	0.5576	9.6- 69.6	36.9	
			Average of Peak Amounts =			0.6314			
2	5	4.554	4.554	0.000	124786	0.5095		100.0	
2	6	4.679	4.679	0.000	297204	0.5302	199.7- 259.7	238.2	
2	7	4.965	4.965	0.000	251197	0.4581	180.5- 240.5	201.3	
2	8	5.317	5.317	0.000	72974	0.5207	34.9- 94.9	58.5	
			Average of Peak Amounts =			0.5046			
						RPD = 22.31			

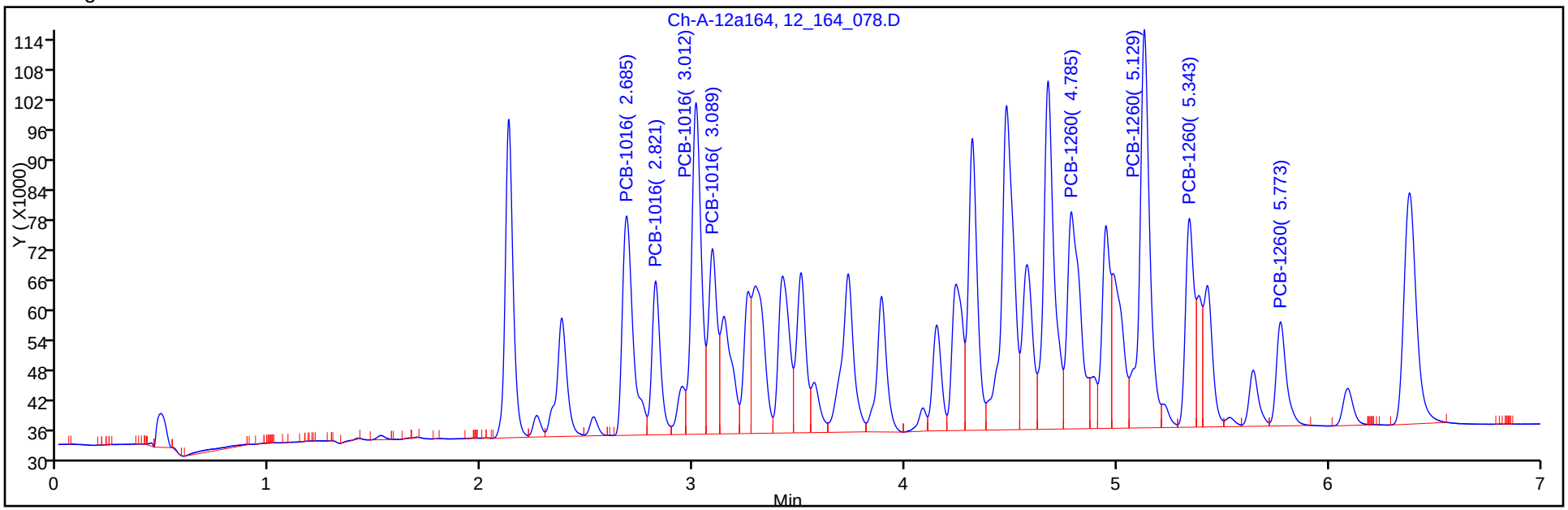
Det	Sig	RT	ADJ RT	DLT RT	Response	On-Col Amt ng/uL	Ratio Range	Ratio	Flags
E 12 DCB Decachlorobiphenyl									
1	1	6.382	6.382	0.000	188925	0.0409			
2	2	5.771	5.771	0.000	186431	0.0339			
						RPD = 18.79			

Report Date: 11-Apr-2012 10:53:24 Chrom Revision: 2.0 20-Feb-2012 13:27:02

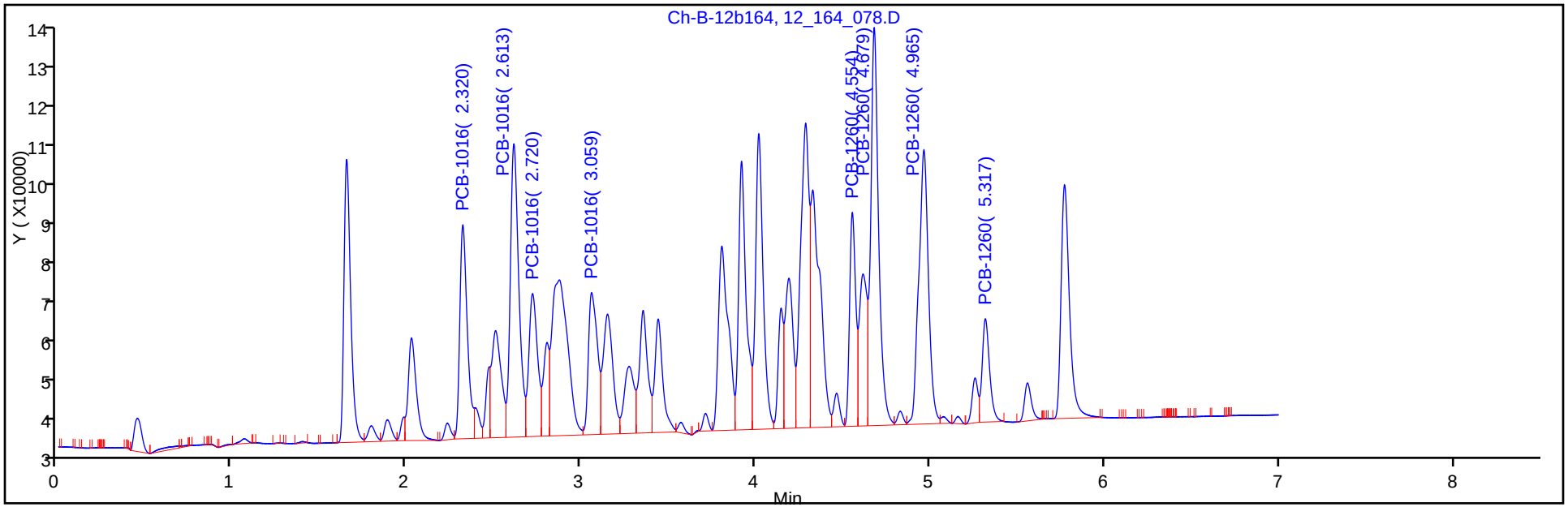
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Injection Date:	11-Apr-2012 10:05:55	Limit Group:	GC - 8082 PCB ICAL
Client ID:		Instrument ID:	HP5890-12
Lims Batch ID:	59004	Lims Sample ID:	14
Operator ID:	tchrom	Injection Vol:	1.00 ul

Y Scaling:



Y Scaling:



FORM VII
PCBS CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Buffalo Job No.: 480-18292-1

SDG No.:

Lab Sample ID: CCV 480-59004/14 Calibration Date: 04/11/2012 10:05

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_164_078.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	306914		0.508	0.500	1.6	15.0
PCB-1016 Peak 2	Ave	470601	475212		0.505	0.500	1.0	15.0
PCB-1016 Peak 3	Ave	202375	236492		0.584	0.500	16.9*	15.0
PCB-1016 Peak 4	Ave	242504	240790		0.497	0.500	-0.7	15.0
PCB-1260 Peak 1	Ave	244938	249572		0.510	0.500	1.9	15.0
PCB-1260 Peak 2	Ave	560523	594408		0.530	0.500	6.0	15.0
PCB-1260 Peak 3	Ave	548316	502394		0.458	0.500	-8.4	15.0
PCB-1260 Peak 4	Ave	140145	145948		0.521	0.500	4.1	15.0
Tetrachloro-m-xylene	Lin1		6012267		0.0324	0.0300	8.0	15.0
DCB Decachlorobiphenyl	Ave	5501799	6214367		0.0339	0.0300	13.0	15.0

FORM VII
PCBS CONTINUING CALIBRATION RETENTION TIME SUMMARY

Lab Name: TestAmerica Buffalo Job No.: 480-18292-1

SDG No.:

Lab Sample ID: CCV 480-59004/14 Calibration Date: 04/11/2012 10:05

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_164_078.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	4.68	4.65	4.71
PCB-1260 Peak 3	4.97	4.94	5.00
PCB-1260 Peak 4	5.32	5.29	5.35
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\20120410-10886.b\12_164_078.D
Lims ID: ccv Client ID:
Inject. Date: 11-Apr-2012 10:05:55 Dil. Factor: 1.0000
Sample Type: CCV
Sample ID: Name: CCV
Misc. Info.: Study: 480-0010886-014 Channel B: I/F Serial#, 9205571204
Operator: tchrom Instrument ID: HP5890-12
Vol. Injected: 1.0000 ALS Bottle#: 0
Lims Batch ID: 59004 Lims Sample ID: 14
Sublist: chrom-hp12_pcb*sub21
Detector 1 : Ch-A-7A136
Detector 2 : Ch-B-7b136

Method: \\Bufchrom\ChromData\HP5890-12\20120410-10886.b\hp12_pcb.m
Last Update: 11-Apr-2012 10:53:24 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: bescod Date: 11-Apr-2012 10:53:23

Det	Sig	RT	ADJ RT	DLT RT	Response	On-Col Amt ng/uL	Ratio Range	Ratio	Flags
$ 3 Tetrachloro-m-xylene									
1	1	2.127	2.127	0.000	164089	0.0373			
2	2	1.654	1.654	0.000	180368	0.0324			
						RPD = 14.05			
6 PCB-1016									
1	1	2.685	2.685	0.000	155409	0.6812		100.0	
1	2	2.821	2.821	0.000	87153	0.7268	23.9- 83.9	56.1	
1	3	3.012	3.012	0.000	210926	0.6361	125.0- 185.0	135.7	
1	4	3.089	3.089	0.000	106311	0.7948	35.0- 95.0	68.4	
			Average of Peak Amounts =			0.7098			
2	5	2.320	2.320	0.000	153457	0.5080		100.0	
2	6	2.613	2.613	0.000	237606	0.5049	147.0- 207.0	154.8	
2	7	2.720	2.720	0.000	118246	0.5843	46.8- 106.8	77.1	
2	8	3.059	3.059	0.000	120395	0.4965	60.1- 120.1	78.5	
			Average of Peak Amounts =			0.5234			
						RPD = 30.22			
9 PCB-1260									
1	1	4.785	4.785	0.000	187540	0.6888		100.0	
1	2	5.129	5.129	0.000	266830	0.6084	117.3- 177.3	142.3	
1	3	5.343	5.343	0.000	118729	0.6707	33.5- 93.5	63.3	
1	4	5.773	5.773	0.000	69201	0.5576	9.6- 69.6	36.9	
			Average of Peak Amounts =			0.6314			
2	5	4.554	4.554	0.000	124786	0.5095		100.0	
2	6	4.679	4.679	0.000	297204	0.5302	199.7- 259.7	238.2	
2	7	4.965	4.965	0.000	251197	0.4581	180.5- 240.5	201.3	
2	8	5.317	5.317	0.000	72974	0.5207	34.9- 94.9	58.5	
			Average of Peak Amounts =			0.5046			
						RPD = 22.31			

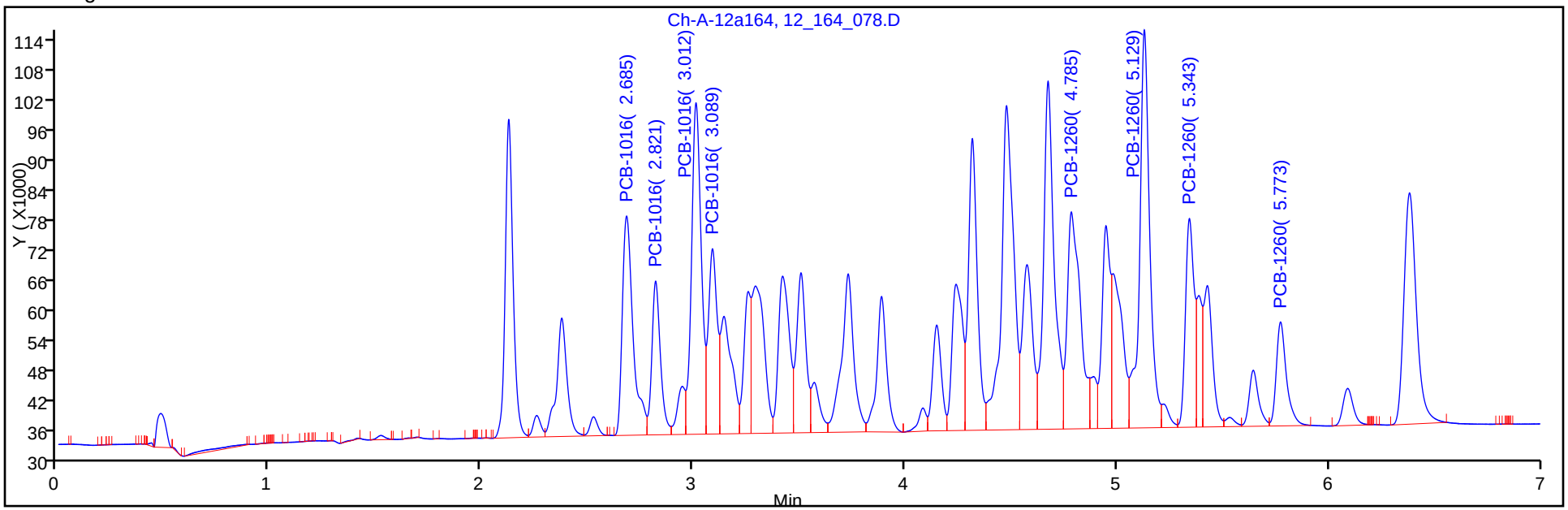
Det	Sig	RT	ADJ RT	DLT RT	Response	On-Col Amt ng/uL	Ratio Range	Ratio	Flags
E 12 DCB Decachlorobiphenyl									
1	1	6.382	6.382	0.000	188925	0.0409			
2	2	5.771	5.771	0.000	186431	0.0339			
						RPD = 18.79			

Report Date: 11-Apr-2012 10:53:25 Chrom Revision: 2.0 20-Feb-2012 13:27:02

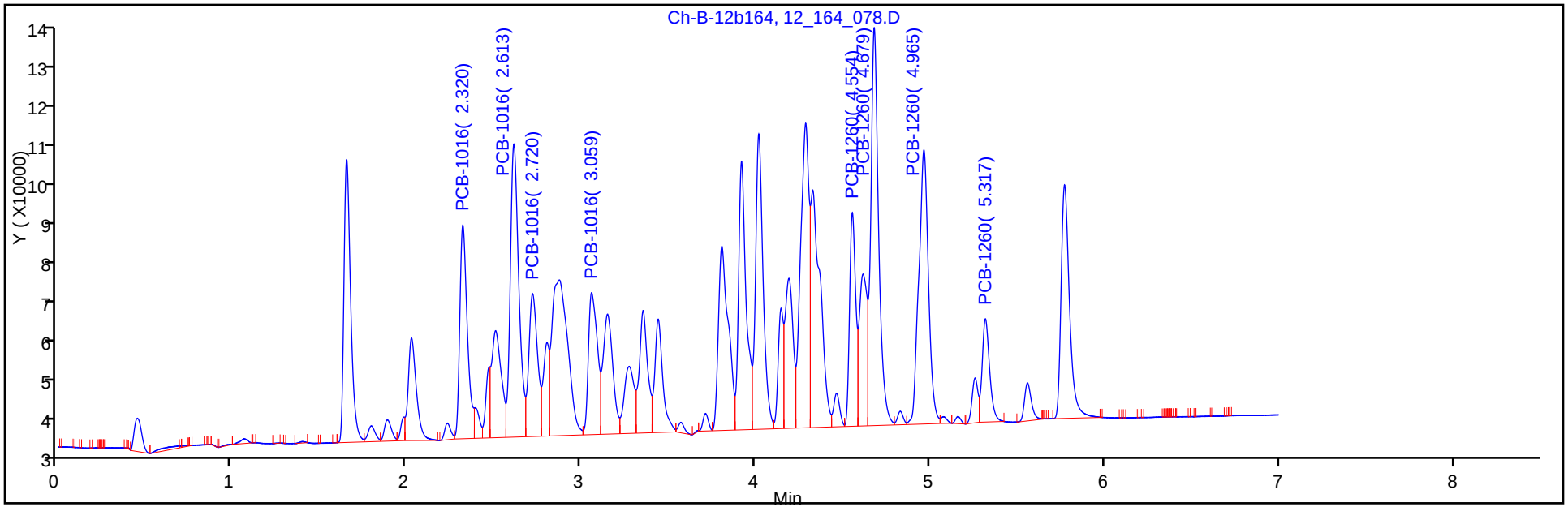
Data File: \\Bufchrom\ChromData\HP5890-12\20120410-10886.b\12_164_078.D

Injection Date:	11-Apr-2012 10:05:55	Limit Group:	GC - 8082 PCB ICAL
Client ID:		Instrument ID:	HP5890-12
Lims Batch ID:	59004	Lims Sample ID:	14
Operator ID:	tchrom	Injection Vol:	1.00 ul

Y Scaling:



Y Scaling:



FORM VII
PCBS CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Buffalo Job No.: 480-18292-1

SDG No.:

Lab Sample ID: CCV 480-59004/25 Calibration Date: 04/11/2012 12:48

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_164_089.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	311954		0.684	0.500	36.7*	15.0
PCB-1016 Peak 2	Ave	119908	174800		0.729	0.500	45.8*	15.0
PCB-1016 Peak 3	Ave	331581	422128		0.637	0.500	27.3*	15.0
PCB-1016 Peak 4	Ave	133756	208134		0.778	0.500	55.6*	15.0
PCB-1260 Peak 1	Ave	272257	385710		0.708	0.500	41.7*	15.0
PCB-1260 Peak 2	Ave	438611	533772		0.609	0.500	21.7*	15.0
PCB-1260 Peak 3	Ave	177029	237002		0.669	0.500	33.9*	15.0
PCB-1260 Peak 4	Ave	124111	140200		0.565	0.500	13.0	15.0
Tetrachloro-m-xylene	Lin1		5345967		0.0364	0.0300	21.3*	15.0
DCB Decachlorobiphenyl	Ave	4617528	6264867		0.0407	0.0300	35.7*	15.0

FORM VII
PCBS CONTINUING CALIBRATION RETENTION TIME SUMMARY

Lab Name: TestAmerica Buffalo Job No.: 480-18292-1

SDG No.:

Lab Sample ID: CCV 480-59004/25 Calibration Date: 04/11/2012 12:48

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_164_089.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	4.80	4.77	4.83
PCB-1260 Peak 2	5.14	5.11	5.17
PCB-1260 Peak 3	5.35	5.32	5.38
PCB-1260 Peak 4	5.78	5.75	5.81
Tetrachloro-m-xylene	2.13	2.10	2.16
DCB Decachlorobiphenyl	6.39	6.33	6.45

TestAmerica Laboratories
Target Compound Quantitation Report

Data File: \\Bufchrom\ChromData\HP5890-12\20120410-10886.b\12_164_089.D
Lims ID: ccv Client ID:
Inject. Date: 11-Apr-2012 12:48:51 Dil. Factor: 1.0000
Sample Type: CCV
Sample ID: Name: CCV
Misc. Info.: Study: 480-0010886-025 Channel B: I/F Serial#, 9205571204
Operator: tchrom Instrument ID: HP5890-12
Vol. Injected: 1.0000 ALS Bottle#: 0
Lims Batch ID: 59004 Lims Sample ID: 25
Sublist: chrom-hp12_pcb*sub21
Detector 1 : Ch-A-7A136
Detector 2 : Ch-B-7b136

Method: \\Bufchrom\ChromData\HP5890-12\20120410-10886.b\hp12_pcb.m
Last Update: 11-Apr-2012 13:23:09 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: 11-Apr-2012 13:23:09

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	160379	0.0364			
2	2	1.653	1.653	0.000	177591	0.0319			
						RPD = 13.35			
6 PCB-1016									
1	1	2.683	2.683	0.000	155977	0.6837		100.0	
1	2	2.821	2.821	0.000	87400	0.7289	23.9- 83.9	56.0	
1	3	3.011	3.011	0.000	211064	0.6365	125.0- 185.0	135.3	
1	4	3.089	3.089	0.000	104067	0.7780	35.0- 95.0	66.7	
			Average of Peak Amounts =			0.7068			
2	5	2.319	2.319	0.000	153418	0.5078		100.0	
2	6	2.611	2.611	0.000	236766	0.5031	147.0- 207.0	154.3	
2	7	2.718	2.718	0.000	116772	0.5770	46.8- 106.8	76.1	
2	8	3.059	3.059	0.000	122104	0.5035	60.1- 120.1	79.6	
			Average of Peak Amounts =			0.5229			
						RPD = 29.92			
9 PCB-1260									
1	1	4.795	4.795	0.000	192855	0.7084		100.0	
1	2	5.139	5.139	0.000	266886	0.6085	117.3- 177.3	138.4	
1	3	5.351	5.351	0.000	118501	0.6694	33.5- 93.5	61.4	
1	4	5.781	5.781	0.000	70100	0.5648	9.6- 69.6	36.3	
			Average of Peak Amounts =			0.6378			
2	5	4.565	4.565	0.000	125281	0.5115		100.0	
2	6	4.691	4.691	0.000	292820	0.5224	199.7- 259.7	233.7	
2	7	4.976	4.976	0.000	252871	0.4612	180.5- 240.5	201.8	
2	8	5.329	5.329	0.000	74820	0.5339	34.9- 94.9	59.7	
			Average of Peak Amounts =			0.5072			
						RPD = 22.80			

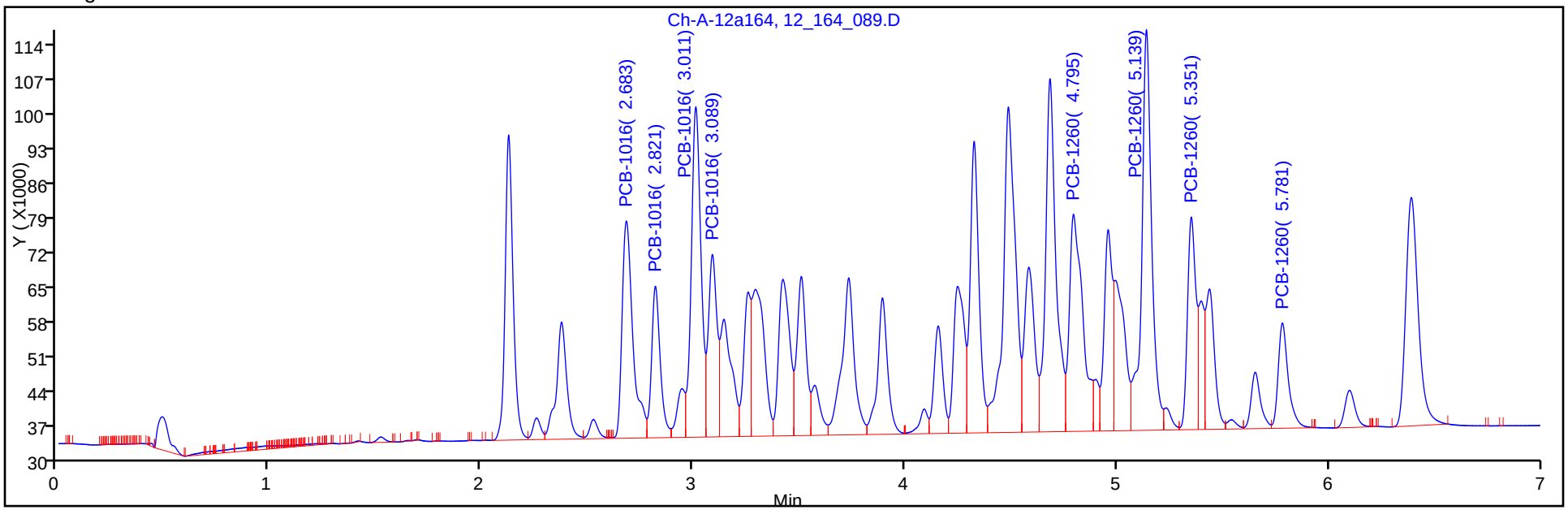
Det	Sig	RT	ADJ RT	DLT RT	Response	On-Col Amt ng/uL	Ratio Range	Ratio	Flags
E 12 DCB Decachlorobiphenyl									
1	1	6.390	6.390	0.000	187946	0.0407			
2	2	5.783	5.783	0.000	185753	0.0338			
						RPD = 18.64			

Report Date: 11-Apr-2012 13:23:11 Chrom Revision: 2.0 20-Feb-2012 13:27:02

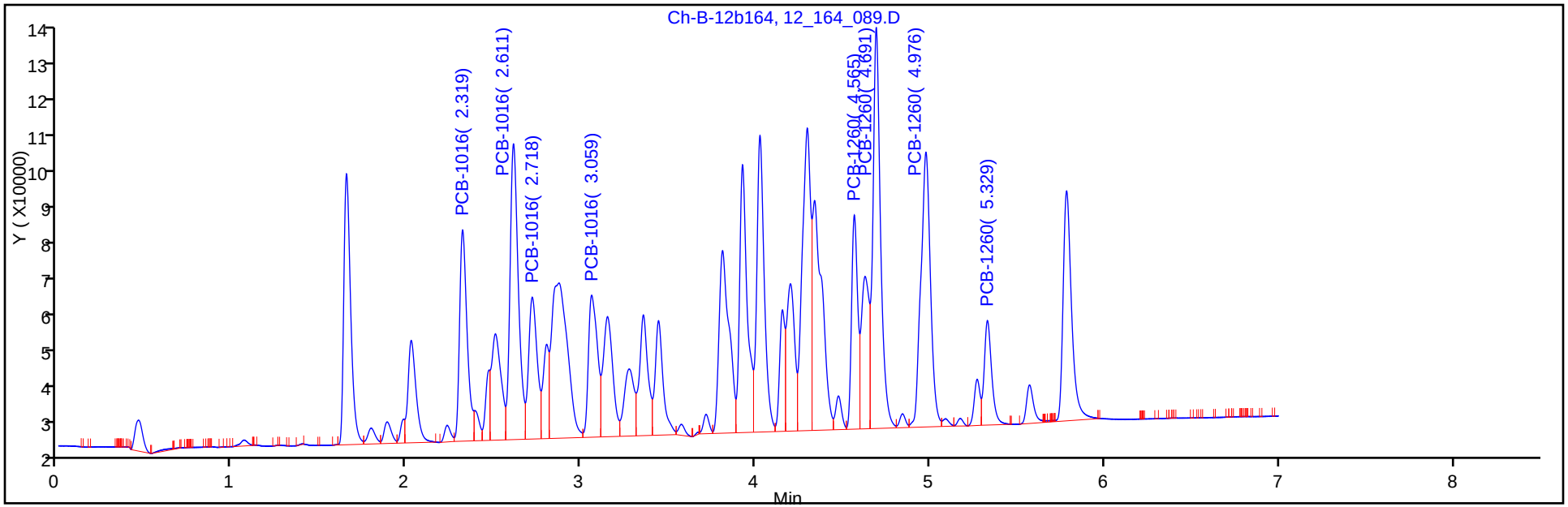
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Injection Date:	11-Apr-2012 12:48:51	Limit Group:	GC - 8082 PCB ICAL
Client ID:		Instrument ID:	HP5890-12
Lims Batch ID:	59004	Lims Sample ID:	25
Operator ID:	tchrom	Injection Vol:	1.00 ul

Y Scaling:



Y Scaling:



FORM VII
PCBS CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Buffalo Job No.: 480-18292-1

SDG No.:

Lab Sample ID: CCV 480-59004/25 Calibration Date: 04/11/2012 12:48

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_164_089.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	306836		0.508	0.500	1.6	15.0
PCB-1016 Peak 2	Ave	470601	473532		0.503	0.500	0.6	15.0
PCB-1016 Peak 3	Ave	202375	233544		0.577	0.500	15.4*	15.0
PCB-1016 Peak 4	Ave	242504	244208		0.504	0.500	0.7	15.0
PCB-1260 Peak 1	Ave	244938	250562		0.512	0.500	2.3	15.0
PCB-1260 Peak 2	Ave	560523	585640		0.522	0.500	4.5	15.0
PCB-1260 Peak 3	Ave	548316	505742		0.461	0.500	-7.8	15.0
PCB-1260 Peak 4	Ave	140145	149640		0.534	0.500	6.8	15.0
Tetrachloro-m-xylene	Lin1		5919700		0.0319	0.0300	6.3	15.0
DCB Decachlorobiphenyl	Ave	5501799	6191767		0.0338	0.0300	12.5	15.0

FORM VII
PCBS CONTINUING CALIBRATION RETENTION TIME SUMMARY

Lab Name: TestAmerica Buffalo Job No.: 480-18292-1

SDG No.:

Lab Sample ID: CCV 480-59004/25 Calibration Date: 04/11/2012 12:48

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_164_089.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	4.57	4.54	4.60
PCB-1260 Peak 2	4.69	4.66	4.72
PCB-1260 Peak 3	4.98	4.95	5.01
PCB-1260 Peak 4	5.33	5.30	5.36
Tetrachloro-m-xylene	1.65	1.62	1.68
DCB Decachlorobiphenyl	5.78	5.72	5.84

TestAmerica Laboratories
Target Compound Quantitation Report

Data File: \\Bufchrom\ChromData\HP5890-12\20120410-10886.b\12_164_089.D
Lims ID: ccv Client ID:
Inject. Date: 11-Apr-2012 12:48:51 Dil. Factor: 1.0000
Sample Type: CCV
Sample ID: Name: CCV
Misc. Info.: Study: 480-0010886-025 Channel B: I/F Serial#, 9205571204
Operator: tchrom Instrument ID: HP5890-12
Vol. Injected: 1.0000 ALS Bottle#: 0
Lims Batch ID: 59004 Lims Sample ID: 25
Sublist: chrom-hp12_pcb*sub21
Detector 1 : Ch-A-7A136
Detector 2 : Ch-B-7b136

Method: \\Bufchrom\ChromData\HP5890-12\20120410-10886.b\hp12_pcb.m
Last Update: 11-Apr-2012 13:23:09 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: 11-Apr-2012 13:23:09

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	160379	0.0364			
2	2	1.653	1.653	0.000	177591	0.0319			
						RPD = 13.35			
6 PCB-1016									
1	1	2.683	2.683	0.000	155977	0.6837		100.0	
1	2	2.821	2.821	0.000	87400	0.7289	23.9- 83.9	56.0	
1	3	3.011	3.011	0.000	211064	0.6365	125.0- 185.0	135.3	
1	4	3.089	3.089	0.000	104067	0.7780	35.0- 95.0	66.7	
			Average of Peak Amounts =			0.7068			
2	5	2.319	2.319	0.000	153418	0.5078		100.0	
2	6	2.611	2.611	0.000	236766	0.5031	147.0- 207.0	154.3	
2	7	2.718	2.718	0.000	116772	0.5770	46.8- 106.8	76.1	
2	8	3.059	3.059	0.000	122104	0.5035	60.1- 120.1	79.6	
			Average of Peak Amounts =			0.5229			
						RPD = 29.92			
9 PCB-1260									
1	1	4.795	4.795	0.000	192855	0.7084		100.0	
1	2	5.139	5.139	0.000	266886	0.6085	117.3- 177.3	138.4	
1	3	5.351	5.351	0.000	118501	0.6694	33.5- 93.5	61.4	
1	4	5.781	5.781	0.000	70100	0.5648	9.6- 69.6	36.3	
			Average of Peak Amounts =			0.6378			
2	5	4.565	4.565	0.000	125281	0.5115		100.0	
2	6	4.691	4.691	0.000	292820	0.5224	199.7- 259.7	233.7	
2	7	4.976	4.976	0.000	252871	0.4612	180.5- 240.5	201.8	
2	8	5.329	5.329	0.000	74820	0.5339	34.9- 94.9	59.7	
			Average of Peak Amounts =			0.5072			
						RPD = 22.80			

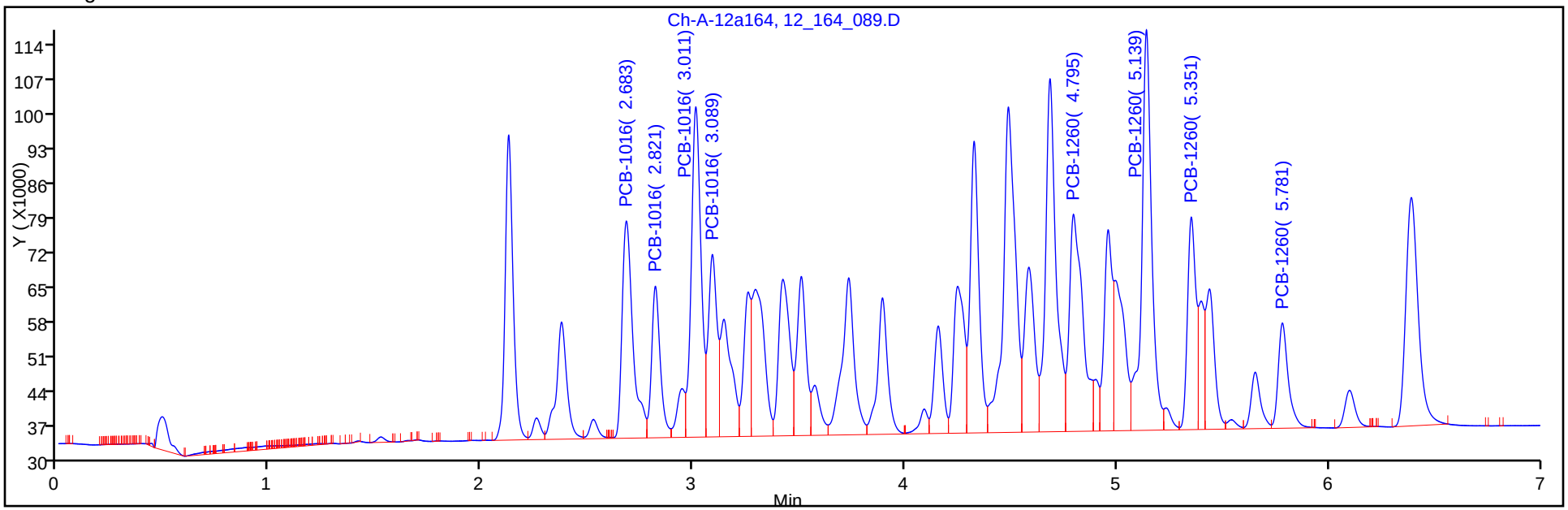
Det	Sig	RT	ADJ RT	DLT RT	Response	On-Col Amt ng/uL	Ratio Range	Ratio	Flags
E 12 DCB Decachlorobiphenyl									
1	1	6.390	6.390	0.000	187946	0.0407			
2	2	5.783	5.783	0.000	185753	0.0338			
						RPD = 18.64			

Report Date: 11-Apr-2012 13:23:11 Chrom Revision: 2.0 20-Feb-2012 13:27:02

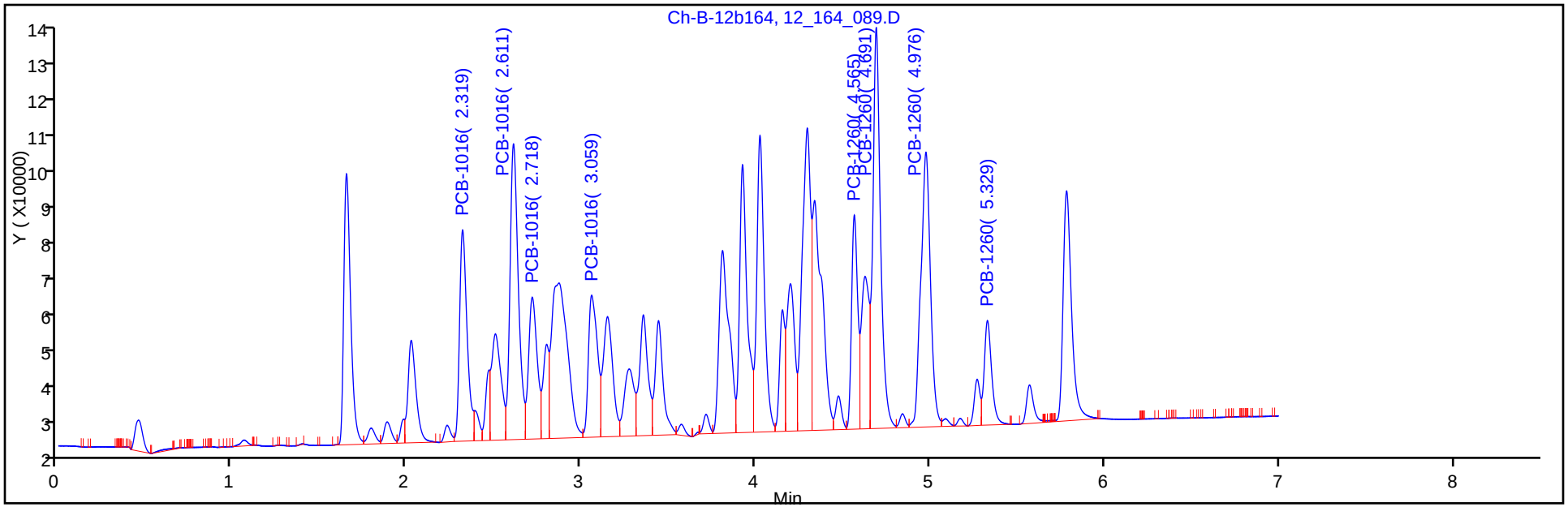
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Injection Date:	11-Apr-2012 12:48:51	Limit Group:	GC - 8082 PCB ICAL
Client ID:		Instrument ID:	HP5890-12
Lims Batch ID:	59004	Lims Sample ID:	25
Operator ID:	tchrom	Injection Vol:	1.00 ul

Y Scaling:



Y Scaling:



FORM I
PCBS ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Buffalo Job No.: 480-18292-1

SDG No.:

Client Sample ID: Lab Sample ID: MB 480-58864/1-A

Matrix: Solid Lab File ID: 12_164_068.D

Analysis Method: 8082 Date Collected:

Extraction Method: 3550B Date Extracted: 04/10/2012 08:38

Sample wt/vol: +2.49(g) Date Analyzed: 04/11/2012 07:38

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.: 59004 Units: ug/Kg

CAS NO.	SURROGATE	%REC	Q	LIMITS
2051-24-3	DCB Decachlorobiphenyl	156		36-182
877-09-8	Tetrachloro-m-xylene	141		24-172

TestAmerica Laboratories
Target Compound Quantitation Report

Data File:	\\Bufchrom\ChromData\HP5890-12\20120410-10886.b\12_164_068.D		
Lims ID:	MB 480-58864/1-A	Client ID:	
Inject. Date:	11-Apr-2012 07:38:03	Dil. Factor:	1.0000
Sample Type:	MB		
Sample ID:	Name: MB 480-58864/1-A		
Misc. Info.:	Study: 480-0010886-004 Channel B: I/F Serial#, 9205571204		
Operator:	tchrom	Instrument ID:	HP5890-12
Vol. Injected:	1.0000	ALS Bottle#:	0
Lims Batch ID:	59004	Lims Sample ID:	4
Detector 1 :	Ch-A-7A136		
Detector 2 :	Ch-B-7b136		
Method:	\\Bufchrom\ChromData\HP5890-12\20120410-10886.b\hp12_pcb.m		
Last Update:	11-Apr-2012 10:53:34	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: 11-Apr-2012 10:54:06

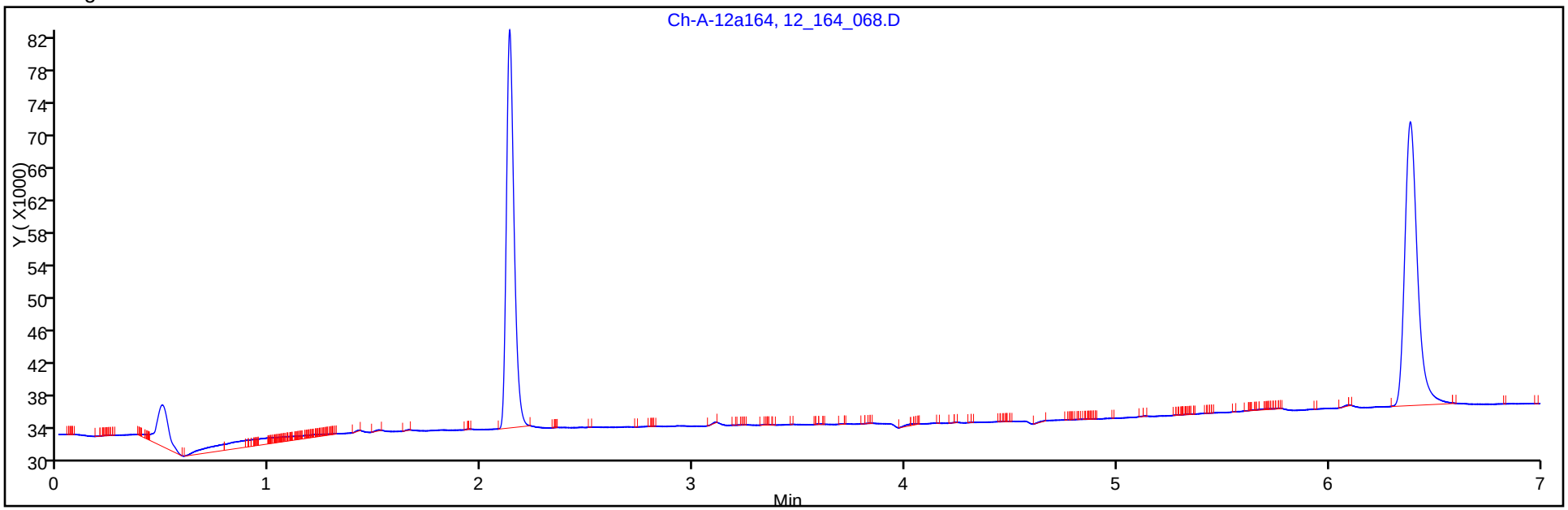
Det	Sig	RT	ADJ RT	DLT RT	Response	On-Col Amt ng/uL	Ratio Range	Ratio	Flags
$ 3 Tetrachloro-m-xylene									
1	1	2.132	2.130	0.002	122442	0.0281			
2	2	1.654	1.655	-0.001	147300	0.0266			
						RPD = 5.56			
E 12 DCB Decachlorobiphenyl									
1	1	6.386	6.419	-0.033	144000	0.0312			
2	2	5.775	5.809	-0.034	140962	0.0256			
						RPD = 19.59			

Report Date: 11-Apr-2012 10:54:07 Chrom Revision: 2.0 20-Feb-2012 13:27:02

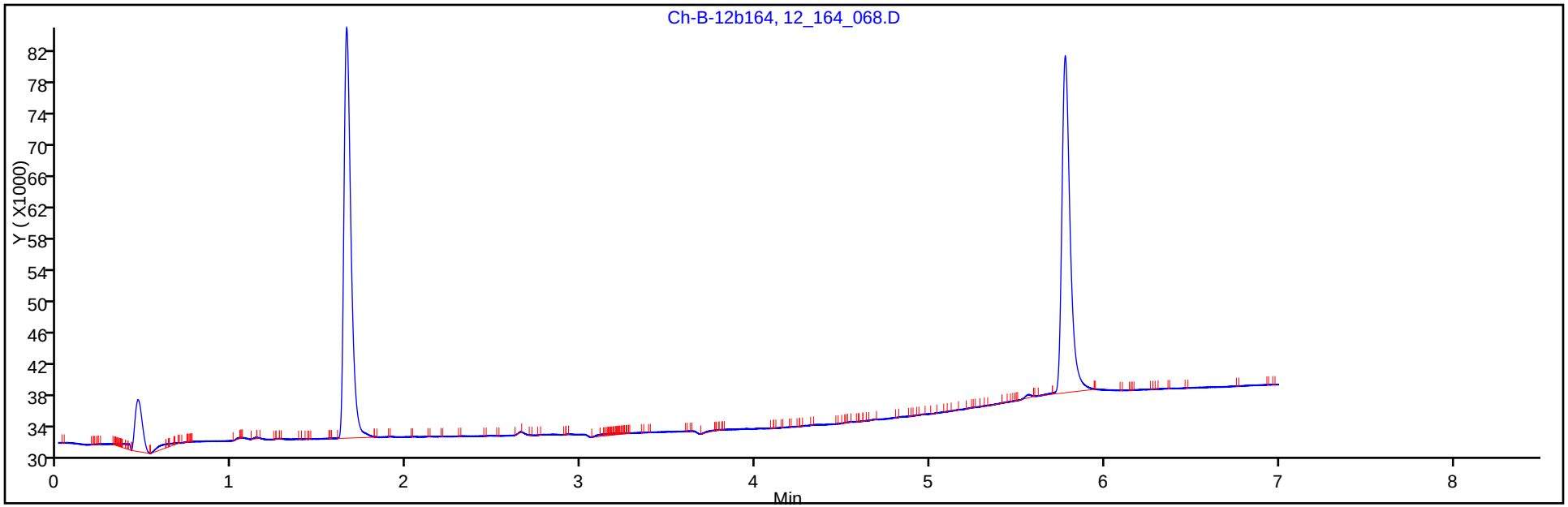
Data File: \\Bufchrom\ChromData\HP5890-12\20120410-10886.b\12_164_068.D

Injection Date:	11-Apr-2012 07:38:03	Limit Group:	GC - 8082 PCB ICAL
Client ID:		Instrument ID:	HP5890-12
Lims Batch ID:	59004	Lims Sample ID:	4
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.: 480-18292-1

SDG No.:

Client Sample ID: | Lab Sample ID: MB 480-58864/1-A

Matrix: Solid | Lab File ID: 12_164_068.D

Analysis Method: 8082 | Date Collected:

Extraction Method: 3550B | Date Extracted: 04/10/2012 08:38

Sample wt/vol: +2.49(g) | Date Analyzed: 04/11/2012 07:38

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.: 59004 | 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	128		36-182
877-09-8	Tetrachloro-m-xylene	133		24-172

TestAmerica Laboratories
Target Compound Quantitation Report

Data File:	\\Bufchrom\ChromData\HP5890-12\20120410-10886.b\12_164_068.D		
Lims ID:	MB 480-58864/1-A	Client ID:	
Inject. Date:	11-Apr-2012 07:38:03	Dil. Factor:	1.0000
Sample Type:	MB		
Sample ID:	Name: MB 480-58864/1-A		
Misc. Info.:	Study: 480-0010886-004 Channel B: I/F Serial#, 9205571204		
Operator:	tchrom	Instrument ID:	HP5890-12
Vol. Injected:	1.0000	ALS Bottle#:	0
Lims Batch ID:	59004	Lims Sample ID:	4
Detector 1 :	Ch-A-7A136		
Detector 2 :	Ch-B-7b136		
Method:	\\Bufchrom\ChromData\HP5890-12\20120410-10886.b\hp12_pcb.m		
Last Update:	11-Apr-2012 10:53:34	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: 11-Apr-2012 10:54:06

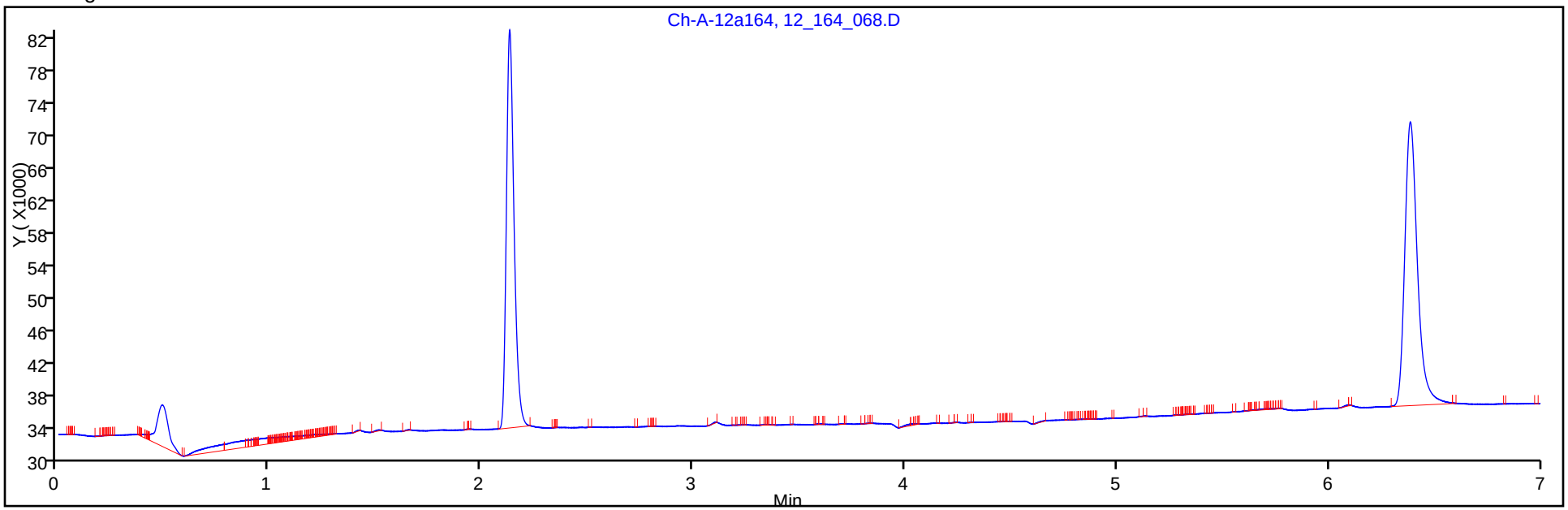
Det	Sig	RT	ADJ RT	DLT RT	Response	On-Col Amt ng/uL	Ratio Range	Ratio	Flags
$ 3 Tetrachloro-m-xylene									
1	1	2.132	2.130	0.002	122442	0.0281			
2	2	1.654	1.655	-0.001	147300	0.0266			
						RPD = 5.56			
E 12 DCB Decachlorobiphenyl									
1	1	6.386	6.419	-0.033	144000	0.0312			
2	2	5.775	5.809	-0.034	140962	0.0256			
						RPD = 19.59			

Report Date: 11-Apr-2012 10:54:07 Chrom Revision: 2.0 20-Feb-2012 13:27:02

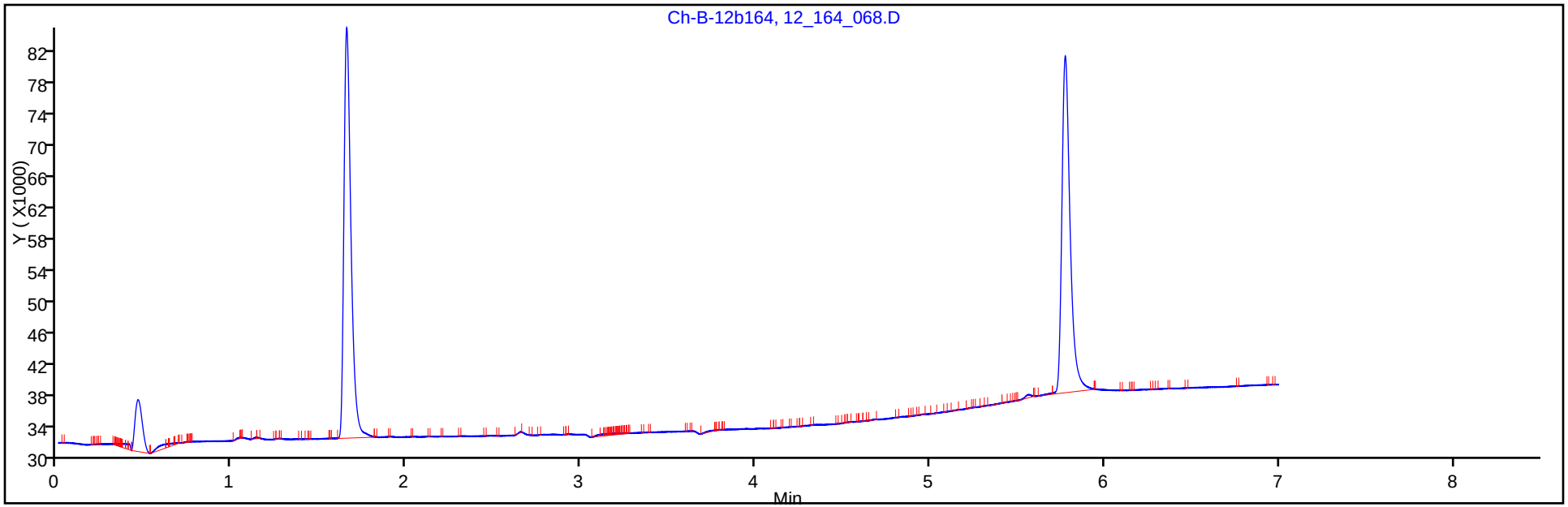
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Injection Date:	11-Apr-2012 07:38:03	Limit Group:	GC - 8082 PCB ICAL
Client ID:		Instrument ID:	HP5890-12
Lims Batch ID:	59004	Lims Sample ID:	4
Operator ID:	tchrom	Injection Vol:	1.00 ul

Y Scaling:



Y Scaling:



FORM I
PCBS ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Buffalo Job No.: 480-18292-1

SDG No.:

Client Sample ID: Lab Sample ID: LCS 480-58864/2-A

Matrix: Solid Lab File ID: 12_164_069.D

Analysis Method: 8082 Date Collected:

Extraction Method: 3550B Date Extracted: 04/10/2012 08:38

Sample wt/vol: +2.04(g) Date Analyzed: 04/11/2012 07:52

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.: 59004 Units: ug/Kg

CAS NO.	SURROGATE	%REC	Q	LIMITS
2051-24-3	DCB Decachlorobiphenyl	175		36-182
877-09-8	Tetrachloro-m-xylene	172		24-172

TestAmerica Laboratories
Target Compound Quantitation Report

Data File: \\Bufchrom\ChromData\HP5890-12\20120410-10886.b\12_164_069.D
Lims ID: LCS 480-58864/2-A Client ID:
Inject. Date: 11-Apr-2012 07:52:49 Dil. Factor: 1.0000
Sample Type: LCS
Sample ID: Name: LCS 480-58864/2-A
Misc. Info.: Study: 480-0010886-005 Channel B: I/F Serial#, 9205571204
Operator: tchrom Instrument ID: HP5890-12
Vol. Injected: 1.0000 ALS Bottle#: 0
Lims Batch ID: 59004 Lims Sample ID: 5
Detector 1 : Ch-A-7A136
Detector 2 : Ch-B-7b136

Method: \\Bufchrom\ChromData\HP5890-12\20120410-10886.b\hp12_pcb.m
Last Update: 11-Apr-2012 10:53:34 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: 11-Apr-2012 10:54:12

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	2.130	-0.001	150829	0.0344			
2	2	1.655	1.655	0.000	163075	0.0294			
						RPD = 15.68			
6 PCB-1016									
1	1	2.685	2.687	-0.002	195012	0.8549		100.0	
1	2	2.822	2.825	-0.003	109034	0.9093	23.9- 83.9	55.9	
1	3	3.014	3.015	-0.001	274005	0.8264	125.0- 185.0	140.5	
1	4	3.092	3.093	-0.001	130992	0.9793	35.0- 95.0	67.2	
			Average of Peak Amounts =			0.8925			
2	5	2.320	2.322	-0.002	190505	0.6306		100.0	
2	6	2.613	2.613	0.000	306010	0.6503	147.0- 207.0	160.6	
2	7	2.719	2.720	-0.001	145949	0.7212	46.8- 106.8	76.6	
2	8	3.061	3.062	-0.001	154080	0.6354	60.1- 120.1	80.9	
			Average of Peak Amounts =			0.6594			
						RPD = 30.04			
9 PCB-1260									
1	1	4.784	4.802	-0.018	251661	0.9244		100.0	
1	2	5.127	5.152	-0.025	354514	0.8083	117.3- 177.3	140.9	
1	3	5.340	5.369	-0.029	143980	0.8133	33.5- 93.5	57.2	
1	4	5.771	5.808	-0.037	102281	0.8241	9.6- 69.6	40.6	
			Average of Peak Amounts =			0.8425			
2	5	4.555	4.567	-0.012	163056	0.6657		100.0	
2	6	4.678	4.694	-0.016	388585	0.6933	199.7- 259.7	238.3	
2	7	4.962	4.983	-0.021	344804	0.6288	180.5- 240.5	211.5	
2	8	5.315	5.345	-0.030	110436	0.7880	34.9- 94.9	67.7	
			Average of Peak Amounts =			0.6940			
						RPD = 19.34			

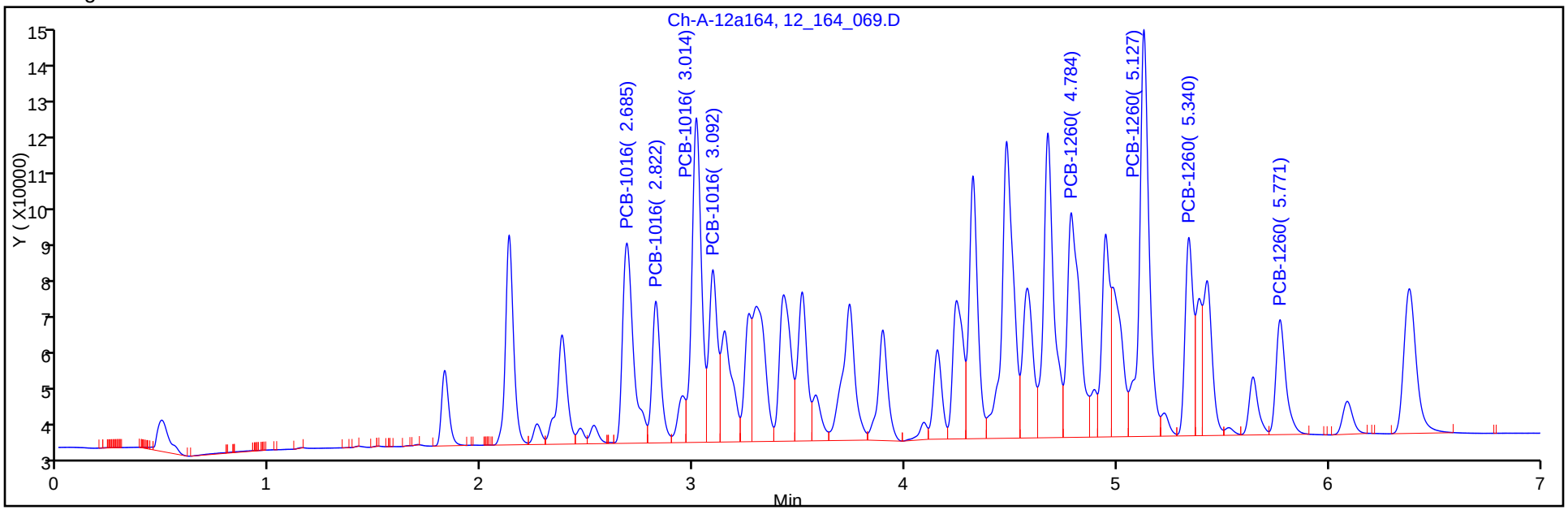
Det	Sig	RT	ADJ RT	DLT RT	Response	On-Col Amt ng/uL	Ratio Range	Ratio	Flags
E 12 DCB Decachlorobiphenyl									
1	1	6.381	6.419	-0.038	161535	0.0350			
2	2	5.771	5.809	-0.038	158499	0.0288			
						RPD = 19.36			

Report Date: 11-Apr-2012 10:54:13 Chrom Revision: 2.0 20-Feb-2012 13:27:02

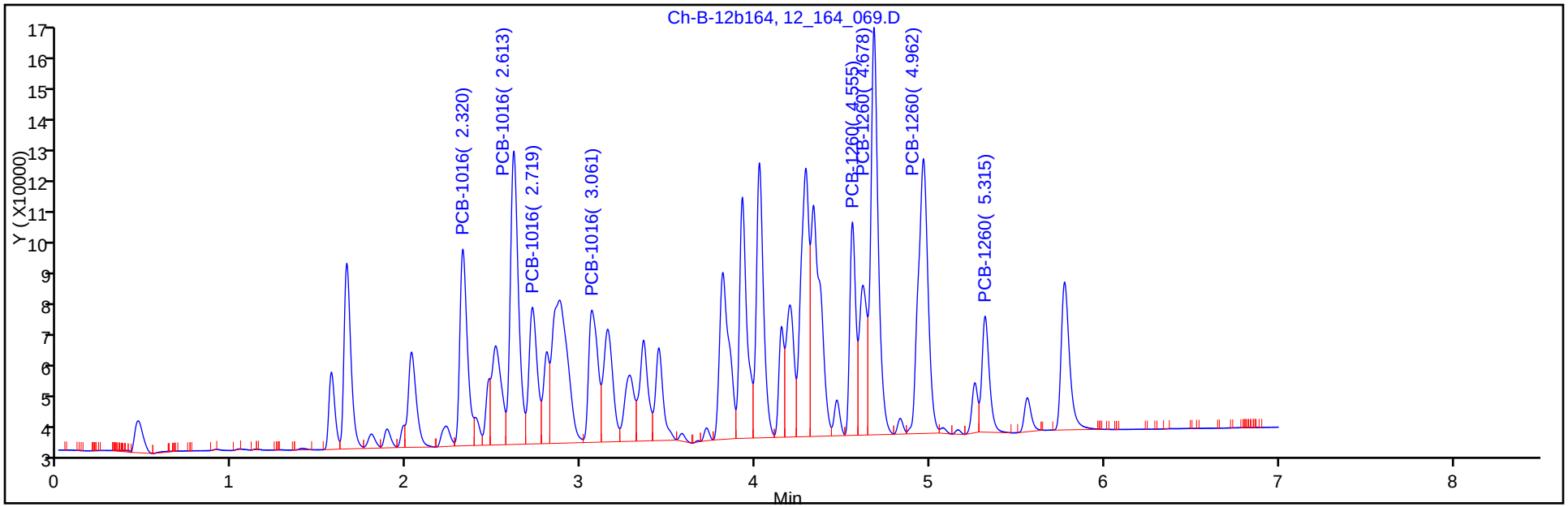
Data File: \\Bufchrom\ChromData\HP5890-12\20120410-10886.b\12_164_069.D

Injection Date:	11-Apr-2012 07:52:49	Limit Group:	GC - 8082 PCB ICAL
Client ID:		Instrument ID:	HP5890-12
Lims Batch ID:	59004	Lims Sample ID:	5
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.: 480-18292-1

SDG No.:

Client Sample ID: | Lab Sample ID: LCS 480-58864/2-A

Matrix: Solid | Lab File ID: 12_164_069.D

Analysis Method: 8082 | Date Collected:

Extraction Method: 3550B | Date Extracted: 04/10/2012 08:38

Sample wt/vol: +2.04(g) | Date Analyzed: 04/11/2012 07:52

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.: 59004 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
12674-11-2	PCB-1016	3230		250	48
11096-82-5	PCB-1260	3400		250	110

CAS NO.	SURROGATE	%REC	Q	LIMITS
2051-24-3	DCB Decachlorobiphenyl	144		36-182
877-09-8	Tetrachloro-m-xylene	147		24-172

TestAmerica Laboratories
Target Compound Quantitation Report

Data File: \\Bufchrom\ChromData\HP5890-12\20120410-10886.b\12_164_069.D
Lims ID: LCS 480-58864/2-A Client ID:
Inject. Date: 11-Apr-2012 07:52:49 Dil. Factor: 1.0000
Sample Type: LCS
Sample ID: Name: LCS 480-58864/2-A
Misc. Info.: Study: 480-0010886-005 Channel B: I/F Serial#, 9205571204
Operator: tchrom Instrument ID: HP5890-12
Vol. Injected: 1.0000 ALS Bottle#: 0
Lims Batch ID: 59004 Lims Sample ID: 5
Detector 1 : Ch-A-7A136
Detector 2 : Ch-B-7b136

Method: \\Bufchrom\ChromData\HP5890-12\20120410-10886.b\hp12_pcb.m
Last Update: 11-Apr-2012 10:53:34 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: 11-Apr-2012 10:54:12

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	2.130	-0.001	150829	0.0344			
2	2	1.655	1.655	0.000	163075	0.0294			
						RPD = 15.68			
6 PCB-1016									
1	1	2.685	2.687	-0.002	195012	0.8549		100.0	
1	2	2.822	2.825	-0.003	109034	0.9093	23.9- 83.9	55.9	
1	3	3.014	3.015	-0.001	274005	0.8264	125.0- 185.0	140.5	
1	4	3.092	3.093	-0.001	130992	0.9793	35.0- 95.0	67.2	
			Average of Peak Amounts =			0.8925			
2	5	2.320	2.322	-0.002	190505	0.6306		100.0	
2	6	2.613	2.613	0.000	306010	0.6503	147.0- 207.0	160.6	
2	7	2.719	2.720	-0.001	145949	0.7212	46.8- 106.8	76.6	
2	8	3.061	3.062	-0.001	154080	0.6354	60.1- 120.1	80.9	
			Average of Peak Amounts =			0.6594			
						RPD = 30.04			
9 PCB-1260									
1	1	4.784	4.802	-0.018	251661	0.9244		100.0	
1	2	5.127	5.152	-0.025	354514	0.8083	117.3- 177.3	140.9	
1	3	5.340	5.369	-0.029	143980	0.8133	33.5- 93.5	57.2	
1	4	5.771	5.808	-0.037	102281	0.8241	9.6- 69.6	40.6	
			Average of Peak Amounts =			0.8425			
2	5	4.555	4.567	-0.012	163056	0.6657		100.0	
2	6	4.678	4.694	-0.016	388585	0.6933	199.7- 259.7	238.3	
2	7	4.962	4.983	-0.021	344804	0.6288	180.5- 240.5	211.5	
2	8	5.315	5.345	-0.030	110436	0.7880	34.9- 94.9	67.7	
			Average of Peak Amounts =			0.6940			
						RPD = 19.34			

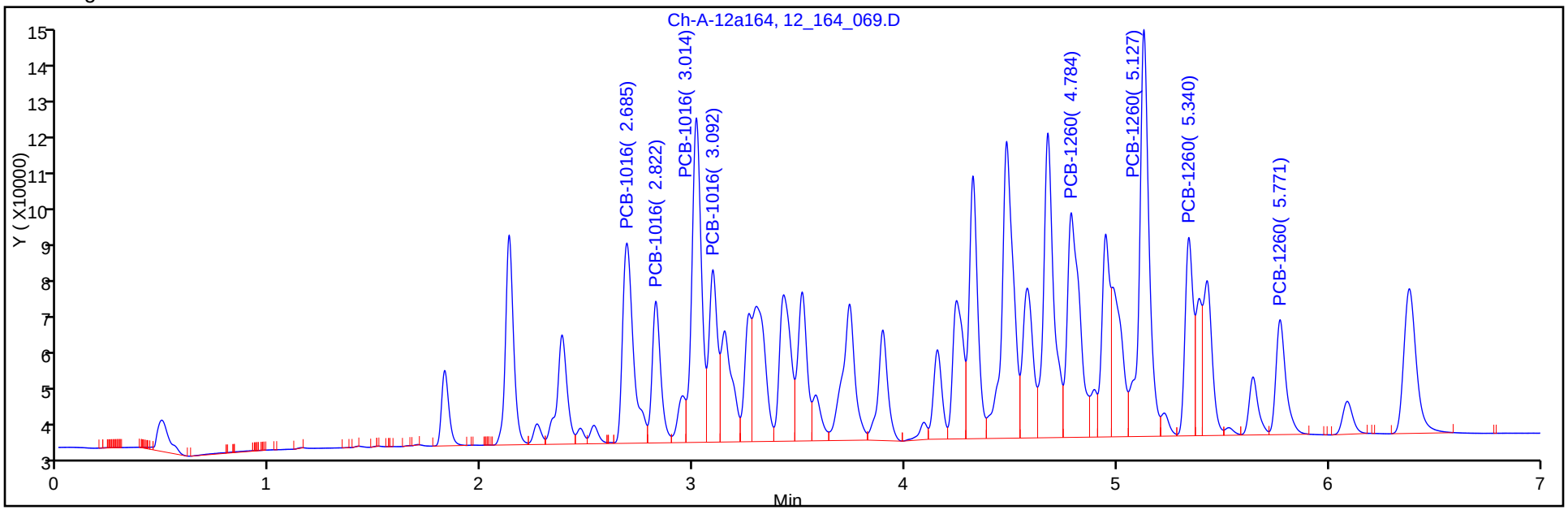
Det	Sig	RT	ADJ RT	DLT RT	Response	On-Col Amt ng/uL	Ratio Range	Ratio	Flags
E 12 DCB Decachlorobiphenyl									
1	1	6.381	6.419	-0.038	161535	0.0350			
2	2	5.771	5.809	-0.038	158499	0.0288			
						RPD = 19.36			

Report Date: 11-Apr-2012 10:54:13 Chrom Revision: 2.0 20-Feb-2012 13:27:02

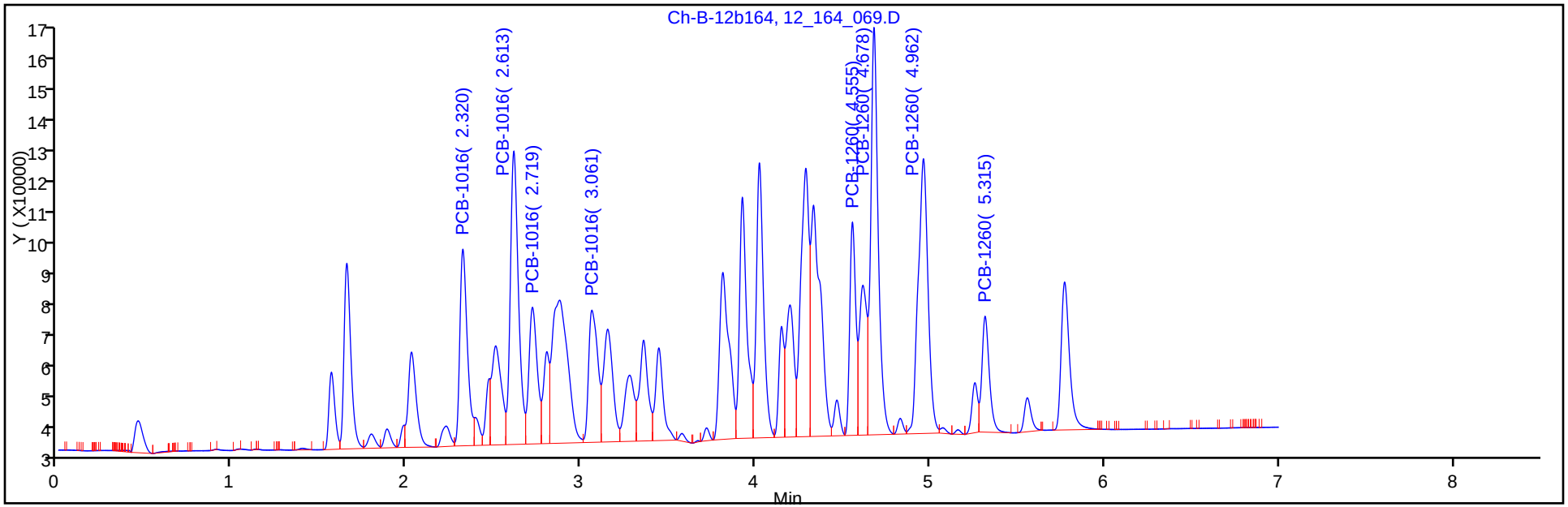
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Injection Date:	11-Apr-2012 07:52:49	Limit Group:	GC - 8082 PCB ICAL
Client ID:		Instrument ID:	HP5890-12
Lims Batch ID:	59004	Lims Sample ID:	5
Operator ID:	tchrom	Injection Vol:	1.00 ul

Y Scaling:



Y Scaling:



FORM I
PCBS ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Buffalo Job No.: 480-18292-1

SDG No.:

Client Sample ID: RB-01 (0-6") MS Lab Sample ID: 480-18292-5 MS

Matrix: Solid Lab File ID: 12_164_075.D

Analysis Method: 8082 Date Collected: 04/05/2012 15:45

Extraction Method: 3550B Date Extracted: 04/10/2012 08:38

Sample wt/vol: +2.10(g) Date Analyzed: 04/11/2012 09:21

Con. Extract Vol.: 10(mL) Dilution Factor: 1

Injection Volume: 1(uL) GC Column: ZB-5 ID: 0.53(mm)

% Moisture: 10.7 GPC Cleanup:(Y/N) N

Analysis Batch No.: 59004 Units: ug/Kg

CAS NO.	SURROGATE	%REC	Q	LIMITS
2051-24-3	DCB Decachlorobiphenyl	175		36-182
877-09-8	Tetrachloro-m-xylene	172		24-172

TestAmerica Laboratories
Target Compound Quantitation Report

Data File:	\\Bufchrom\ChromData\HP5890-12\20120410-10886.b\12_164_075.D		
Lims ID:	480-18292-B-5-C MS	Client ID:	RB-01 (0-6")
Inject. Date:	11-Apr-2012 09:21:28	Dil. Factor:	1.0000
Sample Type:	MS		
Sample ID:	Name: 480-18292-B-5-C MS		
Misc. Info.:	Study: 480-0010886-011 Channel B: I/F Serial#, 9205571204		
Operator:	tchrom	Instrument ID:	HP5890-12
Vol. Injected:	1.0000	ALS Bottle#:	0
Lims Batch ID:	59004	Lims Sample ID:	11
Detector 1 :	Ch-A-7A136		
Detector 2 :	Ch-B-7b136		
Method:	\\Bufchrom\ChromData\HP5890-12\20120410-10886.b\hp12_pcb.m		
Last Update:	11-Apr-2012 10:56:09	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: 11-Apr-2012 10:56:47

Det	Sig	RT	ADJ RT	DLT RT	Response	On-Col Amt ng/uL	Ratio Range	Ratio	Flags
$ 3 Tetrachloro-m-xylene									
1	1	2.128	2.130	-0.002	150824	0.0344			
2	2	1.654	1.655	-0.001	164307	0.0296			
						RPD = 14.95			
6 PCB-1016									
1	1	2.684	2.687	-0.003	190322	0.8343		100.0	
1	2	2.821	2.825	-0.004	105766	0.8821	23.9- 83.9	55.6	
1	3	3.011	3.015	-0.004	273684	0.8254	125.0- 185.0	143.8	
1	4	3.089	3.093	-0.004	126922	0.9489	35.0- 95.0	66.7	
			Average of Peak Amounts =			0.8727			
2	5	2.319	2.322	-0.003	189845	0.6284		100.0	
2	6	2.611	2.613	-0.002	305364	0.6489	147.0- 207.0	160.8	
2	7	2.717	2.720	-0.003	144011	0.7116	46.8- 106.8	75.9	
2	8	3.059	3.062	-0.003	156400	0.6449	60.1- 120.1	82.4	
			Average of Peak Amounts =			0.6585			
						RPD = 27.98			
9 PCB-1260									
1	1	4.781	4.802	-0.021	258240	0.9485		100.0	
1	2	5.125	5.152	-0.027	362789	0.8271	117.3- 177.3	140.5	
1	3	5.336	5.369	-0.033	148079	0.8365	33.5- 93.5	57.3	
1	4	5.768	5.808	-0.040	105862	0.8530	9.6- 69.6	41.0	
			Average of Peak Amounts =			0.8663			
2	5	4.552	4.567	-0.015	165968	0.6776		100.0	
2	6	4.675	4.694	-0.019	399057	0.7119	199.7- 259.7	240.4	
2	7	4.959	4.983	-0.024	352926	0.6437	180.5- 240.5	212.6	
2	8	5.311	5.345	-0.034	114252	0.8152	34.9- 94.9	68.8	
			Average of Peak Amounts =			0.7121			
						RPD = 19.53			

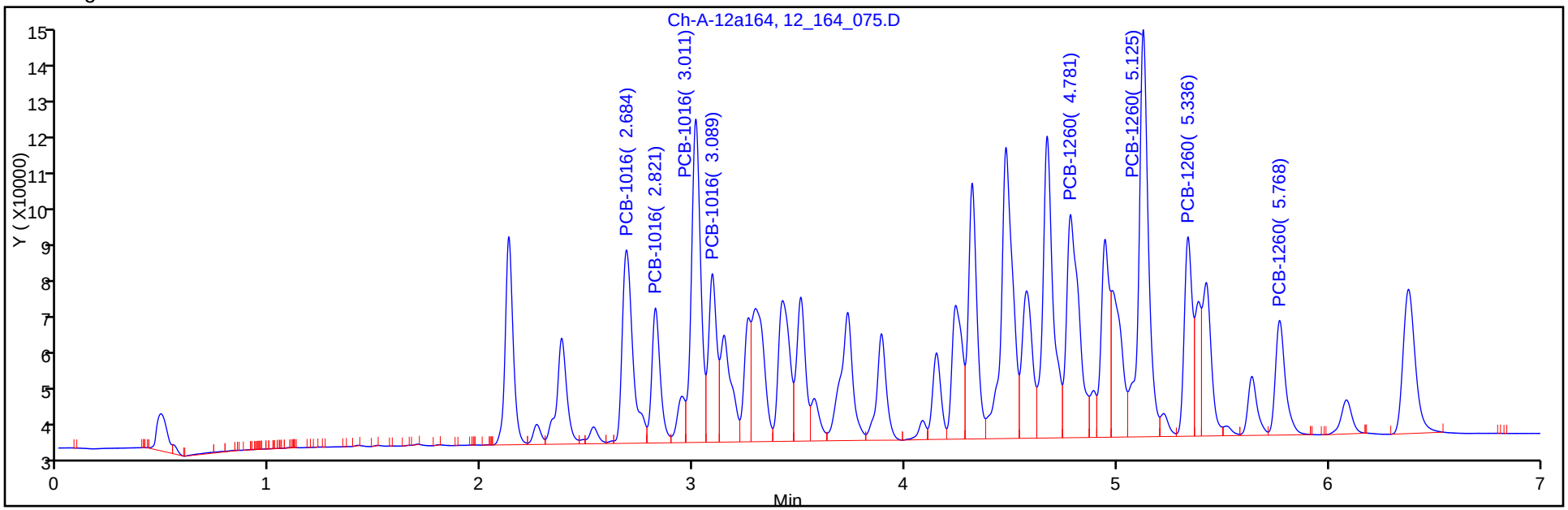
Det	Sig	RT	ADJ RT	DLT RT	Response	On-Col Amt ng/uL	Ratio Range	Ratio	Flags
E 12 DCB Decachlorobiphenyl									
1	1	6.377	6.419	-0.042	161537	0.0350			
2	2	5.770	5.809	-0.039	167083	0.0304			
						RPD = 14.12			

Report Date: 11-Apr-2012 10:56:47 Chrom Revision: 2.0 20-Feb-2012 13:27:02

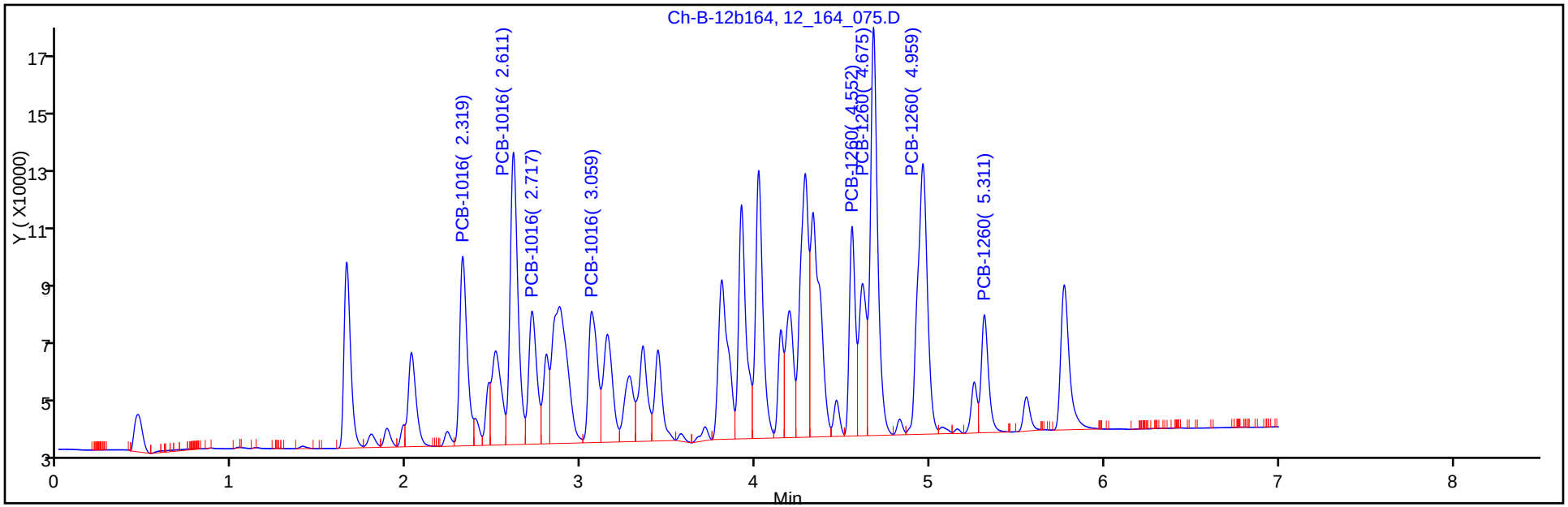
Data File: \\Bufchrom\ChromData\HP5890-12\20120410-10886.b\12_164_075.D

Injection Date:	11-Apr-2012 09:21:28	Limit Group:	GC - 8082 PCB ICAL
Client ID:	RB-01 (0-6")	Instrument ID:	HP5890-12
Lims Batch ID:	59004	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.: 480-18292-1

SDG No.:

Client Sample ID: RB-01 (0-6") MS | Lab Sample ID: 480-18292-5 MS

Matrix: Solid | Lab File ID: 12_164_075.D

Analysis Method: 8082 | Date Collected: 04/05/2012 15:45

Extraction Method: 3550B | Date Extracted: 04/10/2012 08:38

Sample wt/vol: +2.10(g) | Date Analyzed: 04/11/2012 09:21

Con. Extract Vol.: 10(mL) | Dilution Factor: 1

Injection Volume: 1(uL) | GC Column: ZB-35 ID: 0.53(mm)

% Moisture: 10.7 | GPC Cleanup:(Y/N) N

Analysis Batch No.: 59004 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
12674-11-2	PCB-1016	3510		270	52
11104-28-2	PCB-1221	ND		270	52
11141-16-5	PCB-1232	ND		270	52
53469-21-9	PCB-1242	ND		270	58
12672-29-6	PCB-1248	ND		270	52
11097-69-1	PCB-1254	ND		270	56
11096-82-5	PCB-1260	3800		270	120

CAS NO.	SURROGATE	%REC	Q	LIMITS
2051-24-3	DCB Decachlorobiphenyl	152		36-182
877-09-8	Tetrachloro-m-xylene	148		24-172

TestAmerica Laboratories
Target Compound Quantitation Report

Data File:	\\Bufchrom\ChromData\HP5890-12\20120410-10886.b\12_164_075.D		
Lims ID:	480-18292-B-5-C MS	Client ID:	RB-01 (0-6")
Inject. Date:	11-Apr-2012 09:21:28	Dil. Factor:	1.0000
Sample Type:	MS		
Sample ID:	Name: 480-18292-B-5-C MS		
Misc. Info.:	Study: 480-0010886-011 Channel B: I/F Serial#, 9205571204		
Operator:	tchrom	Instrument ID:	HP5890-12
Vol. Injected:	1.0000	ALS Bottle#:	0
Lims Batch ID:	59004	Lims Sample ID:	11
Detector 1 :	Ch-A-7A136		
Detector 2 :	Ch-B-7b136		
Method:	\\Bufchrom\ChromData\HP5890-12\20120410-10886.b\hp12_pcb.m		
Last Update:	11-Apr-2012 10:56:09	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: 11-Apr-2012 10:56:47

Det	Sig	RT	ADJ RT	DLT RT	Response	On-Col Amt ng/uL	Ratio Range	Ratio	Flags
$ 3 Tetrachloro-m-xylene									
1	1	2.128	2.130	-0.002	150824	0.0344			
2	2	1.654	1.655	-0.001	164307	0.0296			
						RPD = 14.95			
6 PCB-1016									
1	1	2.684	2.687	-0.003	190322	0.8343		100.0	
1	2	2.821	2.825	-0.004	105766	0.8821	23.9- 83.9	55.6	
1	3	3.011	3.015	-0.004	273684	0.8254	125.0- 185.0	143.8	
1	4	3.089	3.093	-0.004	126922	0.9489	35.0- 95.0	66.7	
			Average of Peak Amounts =			0.8727			
2	5	2.319	2.322	-0.003	189845	0.6284		100.0	
2	6	2.611	2.613	-0.002	305364	0.6489	147.0- 207.0	160.8	
2	7	2.717	2.720	-0.003	144011	0.7116	46.8- 106.8	75.9	
2	8	3.059	3.062	-0.003	156400	0.6449	60.1- 120.1	82.4	
			Average of Peak Amounts =			0.6585			
						RPD = 27.98			
9 PCB-1260									
1	1	4.781	4.802	-0.021	258240	0.9485		100.0	
1	2	5.125	5.152	-0.027	362789	0.8271	117.3- 177.3	140.5	
1	3	5.336	5.369	-0.033	148079	0.8365	33.5- 93.5	57.3	
1	4	5.768	5.808	-0.040	105862	0.8530	9.6- 69.6	41.0	
			Average of Peak Amounts =			0.8663			
2	5	4.552	4.567	-0.015	165968	0.6776		100.0	
2	6	4.675	4.694	-0.019	399057	0.7119	199.7- 259.7	240.4	
2	7	4.959	4.983	-0.024	352926	0.6437	180.5- 240.5	212.6	
2	8	5.311	5.345	-0.034	114252	0.8152	34.9- 94.9	68.8	
			Average of Peak Amounts =			0.7121			
						RPD = 19.53			

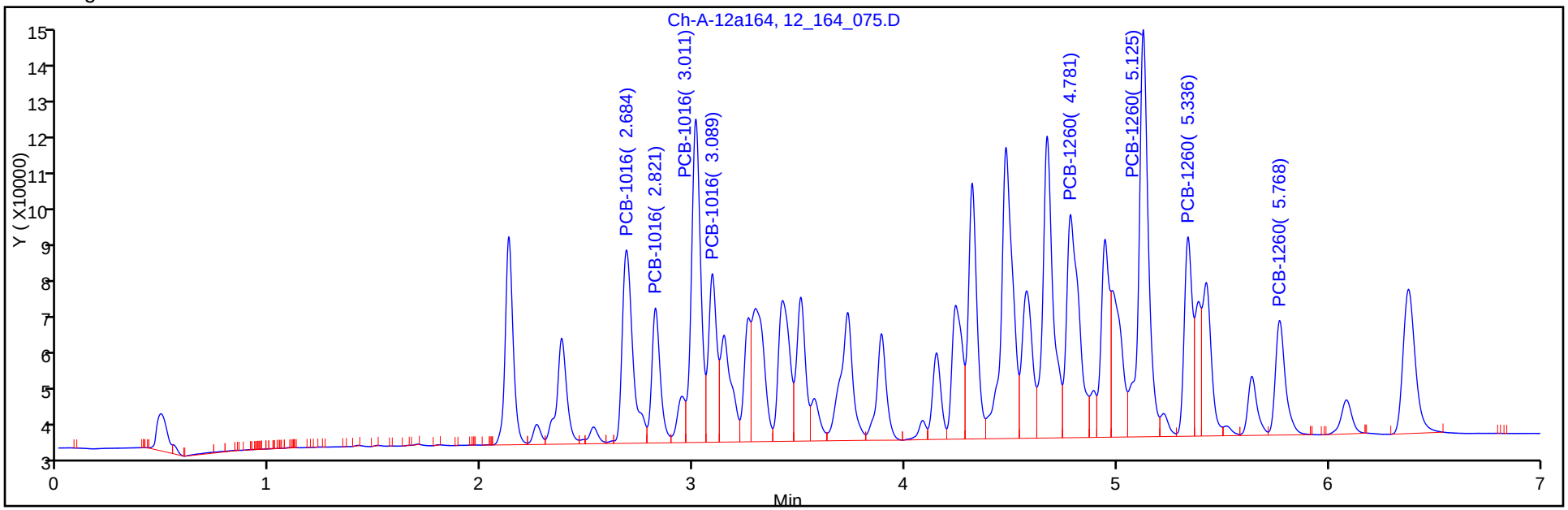
Det	Sig	RT	ADJ RT	DLT RT	Response	On-Col Amt ng/uL	Ratio Range	Ratio	Flags
E 12 DCB Decachlorobiphenyl									
1	1	6.377	6.419	-0.042	161537	0.0350			
2	2	5.770	5.809	-0.039	167083	0.0304			
						RPD = 14.12			

Report Date: 11-Apr-2012 10:56:47 Chrom Revision: 2.0 20-Feb-2012 13:27:02

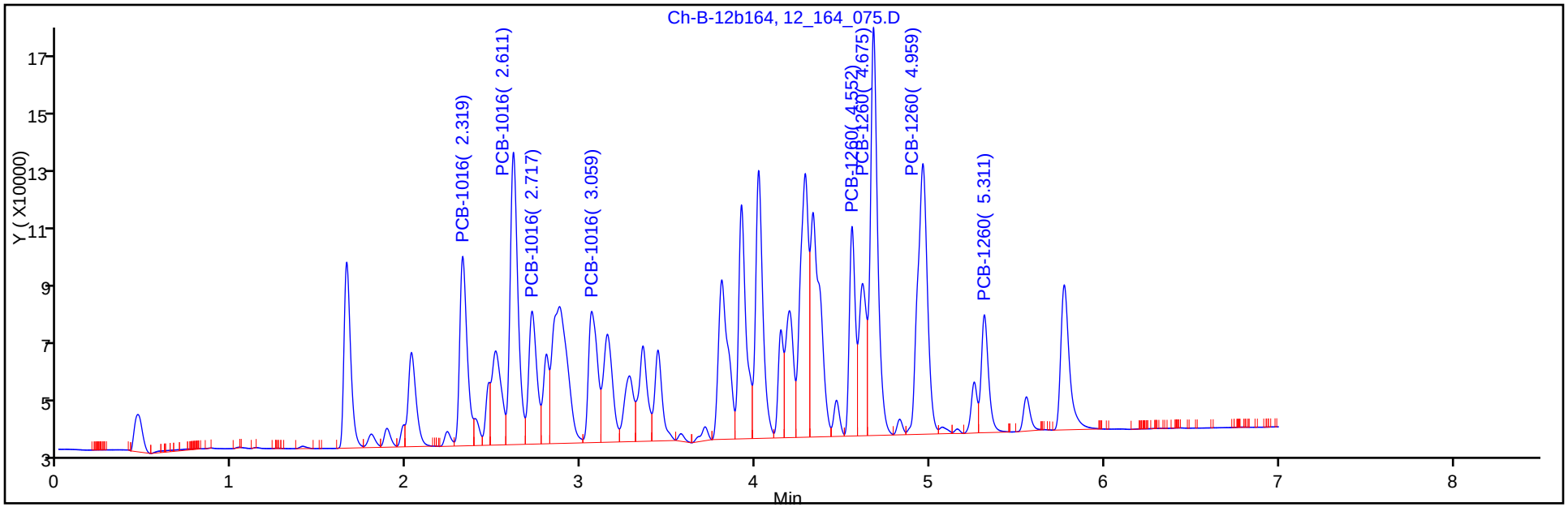
Data File: \\Bufchrom\ChromData\HP5890-12\20120410-10886.b\12_164_075.D

Injection Date:	11-Apr-2012 09:21:28	Limit Group:	GC - 8082 PCB ICAL
Client ID:	RB-01 (0-6")	Instrument ID:	HP5890-12
Lims Batch ID:	59004	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.: 480-18292-1

SDG No.:

Client Sample ID: RB-01 (0-6") MSD Lab Sample ID: 480-18292-5 MSD

Matrix: Solid Lab File ID: 12_164_076.D

Analysis Method: 8082 Date Collected: 04/05/2012 15:45

Extraction Method: 3550B Date Extracted: 04/10/2012 08:38

Sample wt/vol: +2.09(g) Date Analyzed: 04/11/2012 09:36

Con. Extract Vol.: 10(mL) Dilution Factor: 1

Injection Volume: 1(uL) GC Column: ZB-5 ID: 0.53(mm)

% Moisture: 10.7 GPC Cleanup:(Y/N) N

Analysis Batch No.: 59004 Units: ug/Kg

CAS NO.	SURROGATE	%REC	Q	LIMITS
2051-24-3	DCB Decachlorobiphenyl	177		36-182
877-09-8	Tetrachloro-m-xylene	171		24-172

TestAmerica Laboratories
Target Compound Quantitation Report

Data File:	\\Bufchrom\ChromData\HP5890-12\20120410-10886.b\12_164_076.D		
Lims ID:	480-18292-B-5-D MSD	Client ID:	RB-01 (0-6")
Inject. Date:	11-Apr-2012 09:36:18	Dil. Factor:	1.0000
Sample Type:	MSD		
Sample ID:	Name: 480-18292-B-5-D MSD		
Misc. Info.:	Study: 480-0010886-012 Channel B: I/F Serial#, 9205571204		
Operator:	tchrom	Instrument ID:	HP5890-12
Vol. Injected:	1.0000	ALS Bottle#:	0
Lims Batch ID:	59004	Lims Sample ID:	12
Detector 1 :	Ch-A-7A136		
Detector 2 :	Ch-B-7b136		
Method:	\\Bufchrom\ChromData\HP5890-12\20120410-10886.b\hp12_pcb.m		
Last Update:	11-Apr-2012 10:56:09	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: 11-Apr-2012 10:57:12

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	2.130	-0.001	149584	0.0341			
2	2	1.655	1.655	0.000	163492	0.0294			
						RPD = 14.64			
6 PCB-1016									
1	1	2.685	2.687	-0.002	188030	0.8242		100.0	
1	2	2.822	2.825	-0.003	104066	0.8679	23.9- 83.9	55.3	
1	3	3.012	3.015	-0.003	269341	0.8123	125.0- 185.0	143.2	
1	4	3.090	3.093	-0.003	125946	0.9416	35.0- 95.0	67.0	
			Average of Peak Amounts =			0.8615			
2	5	2.320	2.322	-0.002	184530	0.6108		100.0	
2	6	2.611	2.613	-0.002	299905	0.6373	147.0- 207.0	162.5	
2	7	2.718	2.720	-0.002	139868	0.6911	46.8- 106.8	75.8	
2	8	3.061	3.062	-0.001	151991	0.6268	60.1- 120.1	82.4	
			Average of Peak Amounts =			0.6415			
						RPD = 29.28			
9 PCB-1260									
1	1	4.797	4.802	-0.005	256938	0.9437		100.0	
1	2	5.143	5.152	-0.009	360429	0.8218	117.3- 177.3	140.3	
1	3	5.357	5.369	-0.012	147870	0.8353	33.5- 93.5	57.6	
1	4	5.789	5.808	-0.019	104611	0.8429	9.6- 69.6	40.7	
			Average of Peak Amounts =			0.8609			
2	5	4.565	4.567	-0.002	163819	0.6688		100.0	
2	6	4.691	4.694	-0.003	393287	0.7016	199.7- 259.7	240.1	
2	7	4.979	4.983	-0.004	347253	0.6333	180.5- 240.5	212.0	
2	8	5.335	5.345	-0.010	111217	0.7936	34.9- 94.9	67.9	
			Average of Peak Amounts =			0.6993			
						RPD = 20.71			

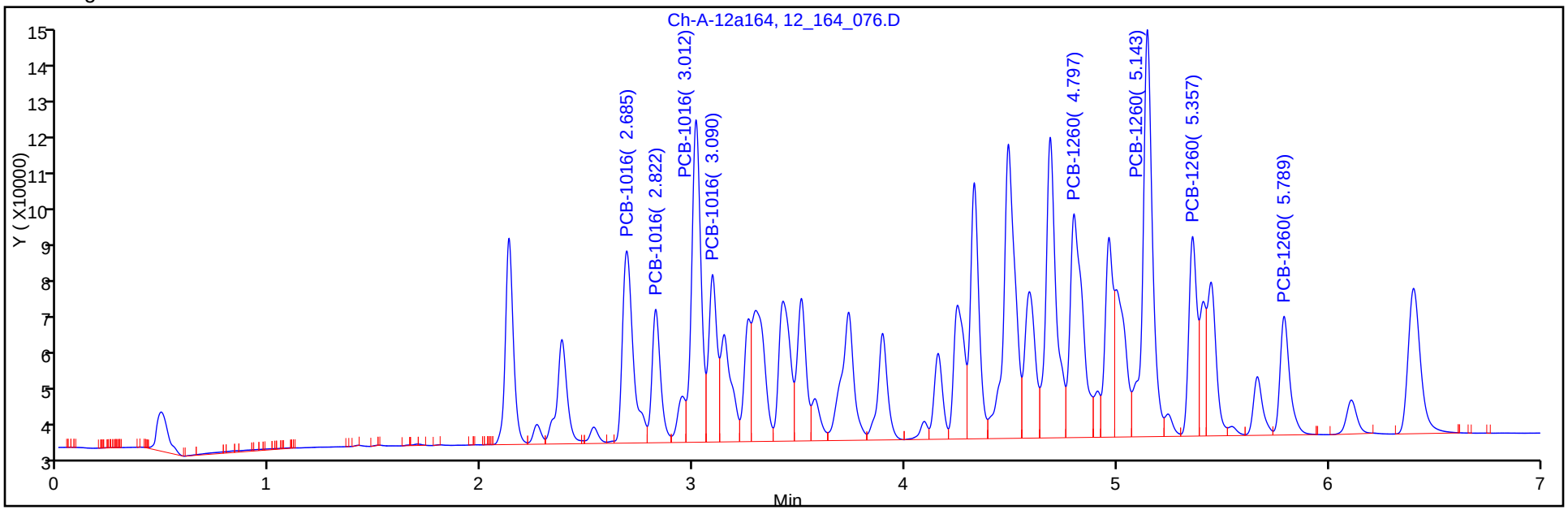
Det	Sig	RT	ADJ RT	DLT RT	Response	On-Col Amt ng/uL	Ratio Range	Ratio	Flags
E 12 DCB Decachlorobiphenyl									
1	1	6.401	6.419	-0.018	163588	0.0354			
2	2	5.793	5.809	-0.016	163292	0.0297			
						RPD = 17.66			

Report Date: 11-Apr-2012 10:57:13 Chrom Revision: 2.0 20-Feb-2012 13:27:02

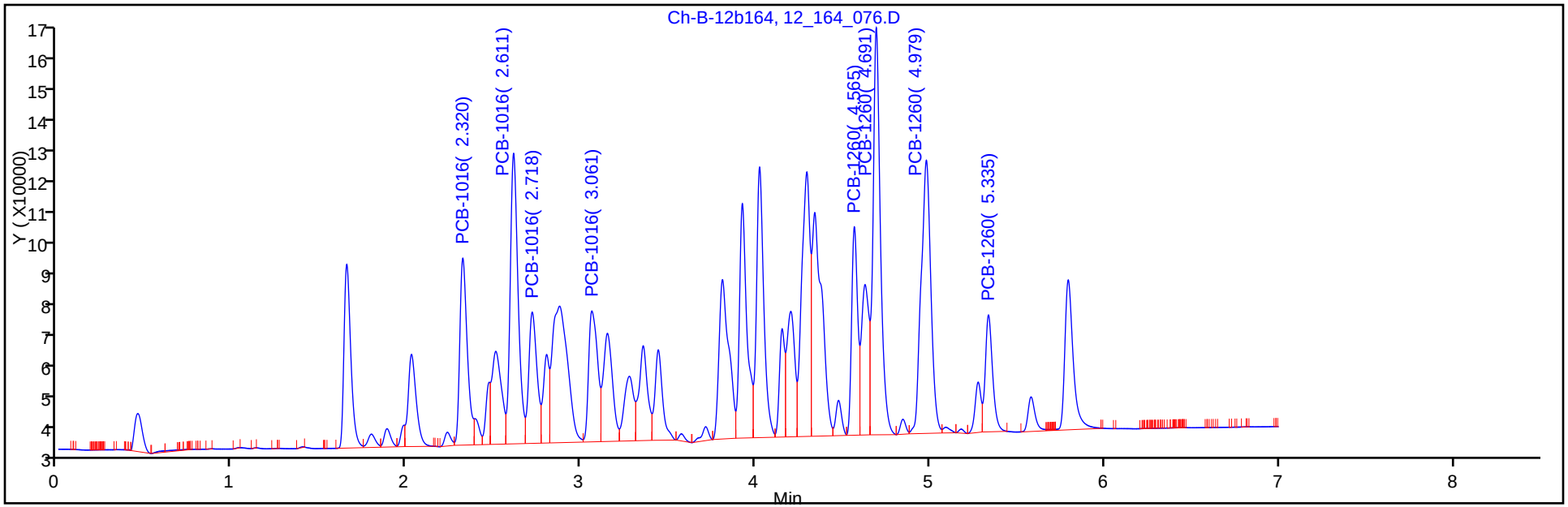
Data File: \\Bufchrom\ChromData\HP5890-12\20120410-10886.b\12_164_076.D

Injection Date:	11-Apr-2012 09:36:18	Limit Group:	GC - 8082 PCB ICAL
Client ID:	RB-01 (0-6")	Instrument ID:	HP5890-12
Lims Batch ID:	59004	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.: 480-18292-1

SDG No.:

Client Sample ID: RB-01 (0-6") MSD | Lab Sample ID: 480-18292-5 MSD

Matrix: Solid | Lab File ID: 12_164_076.D

Analysis Method: 8082 | Date Collected: 04/05/2012 15:45

Extraction Method: 3550B | Date Extracted: 04/10/2012 08:38

Sample wt/vol: +2.09(g) | Date Analyzed: 04/11/2012 09:36

Con. Extract Vol.: 10(mL) | Dilution Factor: 1

Injection Volume: 1(uL) | GC Column: ZB-35 ID: 0.53(mm)

% Moisture: 10.7 | GPC Cleanup:(Y/N) N

Analysis Batch No.: 59004 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
12674-11-2	PCB-1016	3440		270	52
11104-28-2	PCB-1221	ND		270	52
11141-16-5	PCB-1232	ND		270	52
53469-21-9	PCB-1242	ND		270	58
12672-29-6	PCB-1248	ND		270	53
11097-69-1	PCB-1254	ND		270	57
11096-82-5	PCB-1260	3750		270	130

CAS NO.	SURROGATE	%REC	Q	LIMITS
2051-24-3	DCB Decachlorobiphenyl	149		36-182
877-09-8	Tetrachloro-m-xylene	147		24-172

TestAmerica Laboratories
Target Compound Quantitation Report

Data File:	\\Bufchrom\ChromData\HP5890-12\20120410-10886.b\12_164_076.D		
Lims ID:	480-18292-B-5-D MSD	Client ID:	RB-01 (0-6")
Inject. Date:	11-Apr-2012 09:36:18	Dil. Factor:	1.0000
Sample Type:	MSD		
Sample ID:	Name: 480-18292-B-5-D MSD		
Misc. Info.:	Study: 480-0010886-012 Channel B: I/F Serial#, 9205571204		
Operator:	tchrom	Instrument ID:	HP5890-12
Vol. Injected:	1.0000	ALS Bottle#:	0
Lims Batch ID:	59004	Lims Sample ID:	12
Detector 1 :	Ch-A-7A136		
Detector 2 :	Ch-B-7b136		
Method:	\\Bufchrom\ChromData\HP5890-12\20120410-10886.b\hp12_pcb.m		
Last Update:	11-Apr-2012 10:56:09	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: 11-Apr-2012 10:57:12

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	2.130	-0.001	149584	0.0341			
2	2	1.655	1.655	0.000	163492	0.0294			
						RPD = 14.64			
6 PCB-1016									
1	1	2.685	2.687	-0.002	188030	0.8242		100.0	
1	2	2.822	2.825	-0.003	104066	0.8679	23.9- 83.9	55.3	
1	3	3.012	3.015	-0.003	269341	0.8123	125.0- 185.0	143.2	
1	4	3.090	3.093	-0.003	125946	0.9416	35.0- 95.0	67.0	
			Average of Peak Amounts =			0.8615			
2	5	2.320	2.322	-0.002	184530	0.6108		100.0	
2	6	2.611	2.613	-0.002	299905	0.6373	147.0- 207.0	162.5	
2	7	2.718	2.720	-0.002	139868	0.6911	46.8- 106.8	75.8	
2	8	3.061	3.062	-0.001	151991	0.6268	60.1- 120.1	82.4	
			Average of Peak Amounts =			0.6415			
						RPD = 29.28			
9 PCB-1260									
1	1	4.797	4.802	-0.005	256938	0.9437		100.0	
1	2	5.143	5.152	-0.009	360429	0.8218	117.3- 177.3	140.3	
1	3	5.357	5.369	-0.012	147870	0.8353	33.5- 93.5	57.6	
1	4	5.789	5.808	-0.019	104611	0.8429	9.6- 69.6	40.7	
			Average of Peak Amounts =			0.8609			
2	5	4.565	4.567	-0.002	163819	0.6688		100.0	
2	6	4.691	4.694	-0.003	393287	0.7016	199.7- 259.7	240.1	
2	7	4.979	4.983	-0.004	347253	0.6333	180.5- 240.5	212.0	
2	8	5.335	5.345	-0.010	111217	0.7936	34.9- 94.9	67.9	
			Average of Peak Amounts =			0.6993			
						RPD = 20.71			

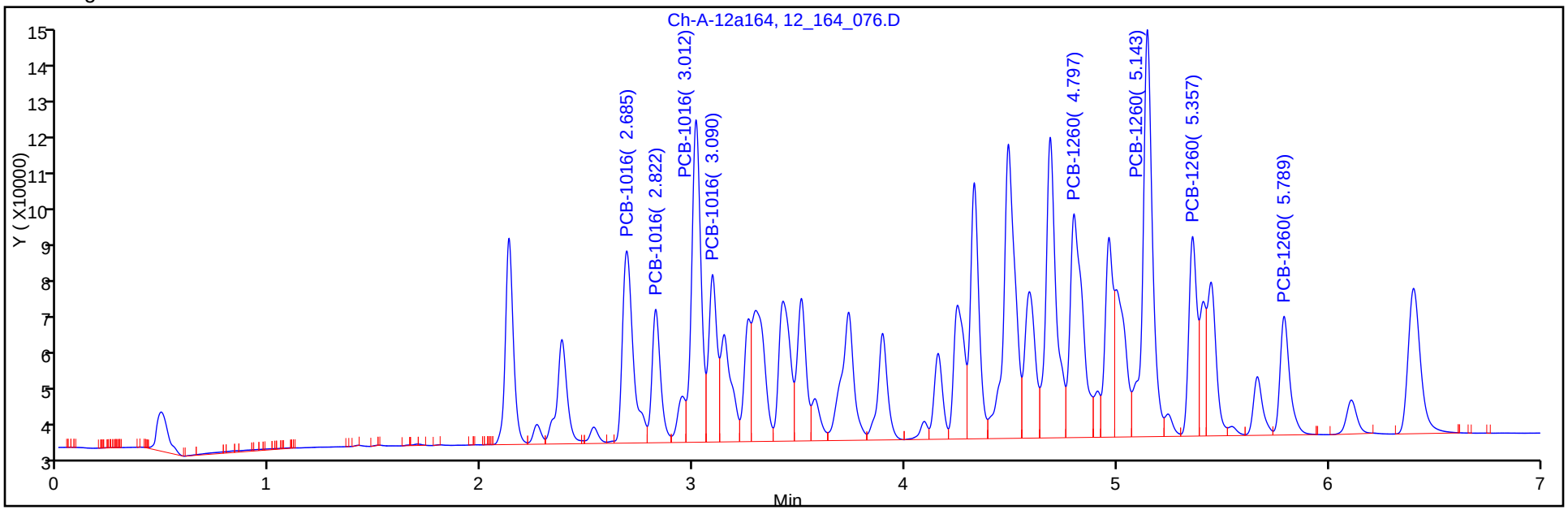
Det	Sig	RT	ADJ RT	DLT RT	Response	On-Col Amt ng/uL	Ratio Range	Ratio	Flags
E 12 DCB Decachlorobiphenyl									
1	1	6.401	6.419	-0.018	163588	0.0354			
2	2	5.793	5.809	-0.016	163292	0.0297			
						RPD = 17.66			

Report Date: 11-Apr-2012 10:57:14 Chrom Revision: 2.0 20-Feb-2012 13:27:02

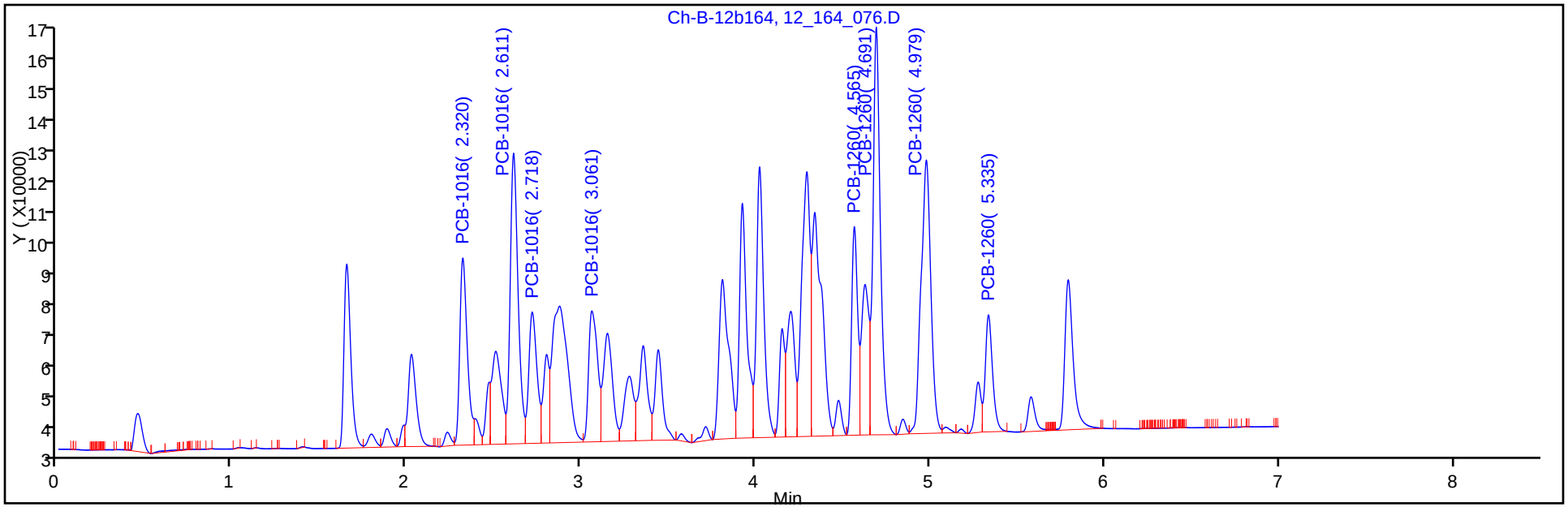
Data File: \\Bufchrom\ChromData\HP5890-12\20120410-10886.b\12_164_076.D

Injection Date:	11-Apr-2012 09:36:18	Limit Group:	GC - 8082 PCB ICAL
Client ID:	RB-01 (0-6")	Instrument ID:	HP5890-12
Lims Batch ID:	59004	Lims Sample ID:	12
Operator ID:	tchrom	Injection Vol:	1.00 ul

Y Scaling:



Y Scaling:



PCBS ANALYSIS RUN LOG

Lab Name: TestAmerica Buffalo Job No.: 480-18292-1

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.: 480-18292-1

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.: 480-18292-1

SDG No.:

Instrument ID: HP5890-12 Start Date: 04/11/2012 07:09

Analysis Batch Number: 59004 End Date: 04/12/2012 09:17

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
CCV 480-59004/2		04/11/2012 07:09	1	12_164_066.D	ZB-5 0.53(mm)
CCV 480-59004/2		04/11/2012 07:09	1	12_164_066.D	ZB-35 0.53(mm)
MB 480-58864/1-A		04/11/2012 07:38	1	12_164_068.D	ZB-5 0.53(mm)
MB 480-58864/1-A		04/11/2012 07:38	1	12_164_068.D	ZB-35 0.53(mm)
LCS 480-58864/2-A		04/11/2012 07:52	1	12_164_069.D	ZB-5 0.53(mm)
LCS 480-58864/2-A		04/11/2012 07:52	1	12_164_069.D	ZB-35 0.53(mm)
480-18292-1	RB-10 (6-12")	04/11/2012 08:07	1	12_164_070.D	ZB-5 0.53(mm)
480-18292-1	RB-10 (6-12")	04/11/2012 08:07	1	12_164_070.D	ZB-35 0.53(mm)
480-18292-2	RB-10 (12-24")	04/11/2012 08:22	1	12_164_071.D	ZB-5 0.53(mm)
480-18292-2	RB-10 (12-24")	04/11/2012 08:22	1	12_164_071.D	ZB-35 0.53(mm)
480-18292-3	RB-11 (0-6")	04/11/2012 08:37	1	12_164_072.D	ZB-5 0.53(mm)
480-18292-3	RB-11 (0-6")	04/11/2012 08:37	1	12_164_072.D	ZB-35 0.53(mm)
480-18292-4	RB-12 (0-6")	04/11/2012 08:51	1	12_164_073.D	ZB-5 0.53(mm)
480-18292-4	RB-12 (0-6")	04/11/2012 08:51	1	12_164_073.D	ZB-35 0.53(mm)
480-18292-5	RB-01 (0-6")	04/11/2012 09:06	1	12_164_074.D	ZB-5 0.53(mm)
480-18292-5	RB-01 (0-6")	04/11/2012 09:06	1	12_164_074.D	ZB-35 0.53(mm)
480-18292-5 MS	RB-01 (0-6") MS	04/11/2012 09:21	1	12_164_075.D	ZB-5 0.53(mm)
480-18292-5 MS	RB-01 (0-6") MS	04/11/2012 09:21	1	12_164_075.D	ZB-35 0.53(mm)
480-18292-5 MSD	RB-01 (0-6") MSD	04/11/2012 09:36	1	12_164_076.D	ZB-5 0.53(mm)
480-18292-5 MSD	RB-01 (0-6") MSD	04/11/2012 09:36	1	12_164_076.D	ZB-35 0.53(mm)
480-18292-6	RB-01 (6-12")	04/11/2012 09:51	1	12_164_077.D	ZB-5 0.53(mm)
480-18292-6	RB-01 (6-12")	04/11/2012 09:51	1	12_164_077.D	ZB-35 0.53(mm)
CCV 480-59004/14		04/11/2012 10:05	1	12_164_078.D	ZB-5 0.53(mm)
CCV 480-59004/14		04/11/2012 10:05	1	12_164_078.D	ZB-35 0.53(mm)
480-18292-7	RB-01 (12-24")	04/11/2012 10:35	1	12_164_080.D	ZB-5 0.53(mm)
480-18292-7	RB-01 (12-24")	04/11/2012 10:35	1	12_164_080.D	ZB-35 0.53(mm)
480-18292-8	RB-02 (0-6")	04/11/2012 10:50	1	12_164_081.D	ZB-5 0.53(mm)
480-18292-8	RB-02 (0-6")	04/11/2012 10:50	1	12_164_081.D	ZB-35 0.53(mm)
480-18292-9	RB-02 (6-12")	04/11/2012 11:05	1	12_164_082.D	ZB-5 0.53(mm)
480-18292-9	RB-02 (6-12")	04/11/2012 11:05	1	12_164_082.D	ZB-35 0.53(mm)
480-18292-10	RB-02 (12-24")	04/11/2012 11:19	1	12_164_083.D	ZB-5 0.53(mm)
480-18292-10	RB-02 (12-24")	04/11/2012 11:19	1	12_164_083.D	ZB-35 0.53(mm)
480-18292-11	DUP-03	04/11/2012 11:34	1	12_164_084.D	ZB-5 0.53(mm)
480-18292-11	DUP-03	04/11/2012 11:34	1	12_164_084.D	ZB-35 0.53(mm)
ZZZZZ		04/11/2012 11:49	100		ZB-5 0.53(mm)
ZZZZZ		04/11/2012 11:49	100		ZB-35 0.53(mm)
ZZZZZ		04/11/2012 12:04	100		ZB-5 0.53(mm)
ZZZZZ		04/11/2012 12:04	100		ZB-35 0.53(mm)
ZZZZZ		04/11/2012 12:19	1		ZB-5 0.53(mm)
ZZZZZ		04/11/2012 12:19	1		ZB-35 0.53(mm)
ZZZZZ		04/11/2012 12:34	1		ZB-5 0.53(mm)
ZZZZZ		04/11/2012 12:34	1		ZB-35 0.53(mm)
CCV 480-59004/25		04/11/2012 12:48	1	12_164_089.D	ZB-5 0.53(mm)
CCV 480-59004/25		04/11/2012 12:48	1	12_164_089.D	ZB-35 0.53(mm)
ZZZZZ		04/11/2012 13:18	1		ZB-5 0.53(mm)

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PCBS ANALYSIS RUN LOG

Lab Name: TestAmerica Buffalo Job No.: 480-18292-1

SDG No.:

Instrument ID: HP5890-12 Start Date: 04/11/2012 07:09

Analysis Batch Number: 59004 End Date: 04/12/2012 09:17

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
ZZZZZ		04/11/2012 13:18	1		ZB-35 0.53(mm)
ZZZZZ		04/11/2012 13:33	1		ZB-5 0.53(mm)
ZZZZZ		04/11/2012 13:33	1		ZB-35 0.53(mm)
ZZZZZ		04/11/2012 13:48	1		ZB-5 0.53(mm)
ZZZZZ		04/11/2012 13:48	1		ZB-35 0.53(mm)
ZZZZZ		04/11/2012 14:03	1		ZB-5 0.53(mm)
ZZZZZ		04/11/2012 14:03	1		ZB-35 0.53(mm)
ZZZZZ		04/11/2012 14:17	1		ZB-5 0.53(mm)
ZZZZZ		04/11/2012 14:17	1		ZB-35 0.53(mm)
CCV 480-59004/32		04/11/2012 14:32	1		ZB-5 0.53(mm)
CCV 480-59004/32		04/11/2012 14:32	1		ZB-35 0.53(mm)
ZZZZZ		04/11/2012 15:02	1		ZB-5 0.53(mm)
ZZZZZ		04/11/2012 15:02	1		ZB-35 0.53(mm)
ZZZZZ		04/11/2012 15:17	1		ZB-5 0.53(mm)
ZZZZZ		04/11/2012 15:17	1		ZB-35 0.53(mm)
ZZZZZ		04/11/2012 15:32	1		ZB-5 0.53(mm)
ZZZZZ		04/11/2012 15:32	1		ZB-35 0.53(mm)
ZZZZZ		04/11/2012 15:46	1		ZB-5 0.53(mm)
ZZZZZ		04/11/2012 15:46	1		ZB-35 0.53(mm)
ZZZZZ		04/11/2012 16:01	1		ZB-5 0.53(mm)
ZZZZZ		04/11/2012 16:01	1		ZB-35 0.53(mm)
ZZZZZ		04/11/2012 16:16	10		ZB-5 0.53(mm)
ZZZZZ		04/11/2012 16:16	10		ZB-35 0.53(mm)
ZZZZZ		04/11/2012 16:31	1		ZB-5 0.53(mm)
ZZZZZ		04/11/2012 16:31	1		ZB-35 0.53(mm)
ZZZZZ		04/11/2012 16:45	1		ZB-5 0.53(mm)
ZZZZZ		04/11/2012 16:45	1		ZB-35 0.53(mm)
ZZZZZ		04/11/2012 17:00	1		ZB-5 0.53(mm)
ZZZZZ		04/11/2012 17:00	1		ZB-35 0.53(mm)
ZZZZZ		04/11/2012 17:15	1		ZB-5 0.53(mm)
ZZZZZ		04/11/2012 17:15	1		ZB-35 0.53(mm)
CCV 480-59004/44		04/11/2012 17:30	1		ZB-5 0.53(mm)
CCV 480-59004/44		04/11/2012 17:30	1		ZB-35 0.53(mm)
ZZZZZ		04/11/2012 18:00	1		ZB-5 0.53(mm)
ZZZZZ		04/11/2012 18:00	1		ZB-35 0.53(mm)
ZZZZZ		04/11/2012 18:14	1		ZB-5 0.53(mm)
ZZZZZ		04/11/2012 18:14	1		ZB-35 0.53(mm)
ZZZZZ		04/11/2012 18:29	1		ZB-5 0.53(mm)
ZZZZZ		04/11/2012 18:29	1		ZB-35 0.53(mm)
ZZZZZ		04/11/2012 18:44	1		ZB-5 0.53(mm)
ZZZZZ		04/11/2012 18:44	1		ZB-35 0.53(mm)
ZZZZZ		04/11/2012 18:59	1		ZB-5 0.53(mm)
ZZZZZ		04/11/2012 18:59	1		ZB-35 0.53(mm)
ZZZZZ		04/11/2012 19:13	1		ZB-5 0.53(mm)
ZZZZZ		04/11/2012 19:13	1		ZB-35 0.53(mm)

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PCBS ANALYSIS RUN LOG

Lab Name: TestAmerica Buffalo Job No.: 480-18292-1

SDG No.:

Instrument ID: HP5890-12 Start Date: 04/11/2012 07:09

Analysis Batch Number: 59004 End Date: 04/12/2012 09:17

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
ZZZZZ		04/11/2012 19:28	1		ZB-5 0.53(mm)
ZZZZZ		04/11/2012 19:28	1		ZB-35 0.53(mm)
CCV 480-59004/53		04/11/2012 19:43	1		ZB-5 0.53(mm)
CCV 480-59004/53		04/11/2012 19:43	1		ZB-35 0.53(mm)
ZZZZZ		04/11/2012 20:12	1		ZB-5 0.53(mm)
ZZZZZ		04/11/2012 20:12	1		ZB-35 0.53(mm)
ZZZZZ		04/11/2012 20:27	1		ZB-5 0.53(mm)
ZZZZZ		04/11/2012 20:27	1		ZB-35 0.53(mm)
ZZZZZ		04/11/2012 20:42	1		ZB-5 0.53(mm)
ZZZZZ		04/11/2012 20:42	1		ZB-35 0.53(mm)
ZZZZZ		04/11/2012 20:57	5		ZB-5 0.53(mm)
ZZZZZ		04/11/2012 20:57	5		ZB-35 0.53(mm)
CCV 480-59004/59		04/11/2012 21:17	1		ZB-5 0.53(mm)
CCV 480-59004/59		04/11/2012 21:17	1		ZB-35 0.53(mm)
ZZZZZ		04/11/2012 21:32	1		ZB-5 0.53(mm)
ZZZZZ		04/11/2012 21:32	1		ZB-35 0.53(mm)
ZZZZZ		04/11/2012 21:46	1		ZB-5 0.53(mm)
ZZZZZ		04/11/2012 21:46	1		ZB-35 0.53(mm)
ZZZZZ		04/11/2012 22:01	1		ZB-5 0.53(mm)
ZZZZZ		04/11/2012 22:01	1		ZB-35 0.53(mm)
ZZZZZ		04/11/2012 22:16	1		ZB-5 0.53(mm)
ZZZZZ		04/11/2012 22:16	1		ZB-35 0.53(mm)
ZZZZZ		04/11/2012 22:31	1		ZB-5 0.53(mm)
ZZZZZ		04/11/2012 22:31	1		ZB-35 0.53(mm)
CCV 480-59004/66		04/11/2012 22:45	1		ZB-5 0.53(mm)
CCV 480-59004/66		04/11/2012 22:45	1		ZB-35 0.53(mm)
ZZZZZ		04/11/2012 23:15	20		ZB-5 0.53(mm)
ZZZZZ		04/11/2012 23:15	20		ZB-35 0.53(mm)
ZZZZZ		04/11/2012 23:30	1		ZB-5 0.53(mm)
ZZZZZ		04/11/2012 23:30	1		ZB-35 0.53(mm)
ZZZZZ		04/11/2012 23:52	1		ZB-5 0.53(mm)
ZZZZZ		04/11/2012 23:52	1		ZB-35 0.53(mm)
ZZZZZ		04/12/2012 00:14	20		ZB-5 0.53(mm)
ZZZZZ		04/12/2012 00:14	20		ZB-35 0.53(mm)
ZZZZZ		04/12/2012 00:35	1		ZB-5 0.53(mm)
ZZZZZ		04/12/2012 00:35	1		ZB-35 0.53(mm)
ZZZZZ		04/12/2012 00:57	1		ZB-5 0.53(mm)
ZZZZZ		04/12/2012 00:57	1		ZB-35 0.53(mm)
ZZZZZ		04/12/2012 01:19	1		ZB-5 0.53(mm)
ZZZZZ		04/12/2012 01:19	1		ZB-35 0.53(mm)
ZZZZZ		04/12/2012 01:41	1		ZB-5 0.53(mm)
ZZZZZ		04/12/2012 01:41	1		ZB-35 0.53(mm)
ZZZZZ		04/12/2012 02:02	1		ZB-5 0.53(mm)
ZZZZZ		04/12/2012 02:02	1		ZB-35 0.53(mm)
CCV 480-59004/77		04/12/2012 02:24	1		ZB-5 0.53(mm)

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PCBS ANALYSIS RUN LOG

Lab Name: TestAmerica Buffalo Job No.: 480-18292-1

SDG No.:

Instrument ID: HP5890-12 Start Date: 04/11/2012 07:09

Analysis Batch Number: 59004 End Date: 04/12/2012 09:17

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
CCV 480-59004/77		04/12/2012 02:24	1		ZB-35 0.53(mm)
ZZZZZ		04/12/2012 03:08	1		ZB-5 0.53(mm)
ZZZZZ		04/12/2012 03:08	1		ZB-35 0.53(mm)
ZZZZZ		04/12/2012 03:29	1		ZB-5 0.53(mm)
ZZZZZ		04/12/2012 03:29	1		ZB-35 0.53(mm)
ZZZZZ		04/12/2012 03:51	1		ZB-5 0.53(mm)
ZZZZZ		04/12/2012 03:51	1		ZB-35 0.53(mm)
ZZZZZ		04/12/2012 04:13	1		ZB-5 0.53(mm)
ZZZZZ		04/12/2012 04:13	1		ZB-35 0.53(mm)
ZZZZZ		04/12/2012 04:35	1		ZB-5 0.53(mm)
ZZZZZ		04/12/2012 04:35	1		ZB-35 0.53(mm)
ZZZZZ		04/12/2012 04:56	50		ZB-5 0.53(mm)
ZZZZZ		04/12/2012 04:56	50		ZB-35 0.53(mm)
ZZZZZ		04/12/2012 05:18	50		ZB-5 0.53(mm)
ZZZZZ		04/12/2012 05:18	50		ZB-35 0.53(mm)
ZZZZZ		04/12/2012 05:40	50		ZB-5 0.53(mm)
ZZZZZ		04/12/2012 05:40	50		ZB-35 0.53(mm)
ZZZZZ		04/12/2012 06:02	50		ZB-5 0.53(mm)
ZZZZZ		04/12/2012 06:02	50		ZB-35 0.53(mm)
CCV 480-59004/88		04/12/2012 06:23	1		ZB-5 0.53(mm)
CCV 480-59004/88		04/12/2012 06:23	1		ZB-35 0.53(mm)
ZZZZZ		04/12/2012 07:07	1		ZB-5 0.53(mm)
ZZZZZ		04/12/2012 07:07	1		ZB-35 0.53(mm)
ZZZZZ		04/12/2012 07:28	1		ZB-5 0.53(mm)
ZZZZZ		04/12/2012 07:28	1		ZB-35 0.53(mm)
ZZZZZ		04/12/2012 07:50	1		ZB-5 0.53(mm)
ZZZZZ		04/12/2012 07:50	1		ZB-35 0.53(mm)
ZZZZZ		04/12/2012 08:12	1		ZB-5 0.53(mm)
ZZZZZ		04/12/2012 08:12	1		ZB-35 0.53(mm)
ZZZZZ		04/12/2012 08:34	1		ZB-5 0.53(mm)
ZZZZZ		04/12/2012 08:34	1		ZB-35 0.53(mm)
ZZZZZ		04/12/2012 08:55	1		ZB-5 0.53(mm)
ZZZZZ		04/12/2012 08:55	1		ZB-35 0.53(mm)
CCV 480-59004/96		04/12/2012 09:17	1		ZB-5 0.53(mm)
CCV 480-59004/96		04/12/2012 09:17	1		ZB-35 0.53(mm)

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PCBS BATCH WORKSHEET

Lab Name: TestAmerica Buffalo Job No.: 480-18292-1

SDG No.:

Batch Number: 58864 Batch Start Date: 04/10/12 08:38 Batch Analyst: Zeimer, Michael

Batch Method: 3550B Batch End Date:

Lab Sample ID	Client Sample ID	Method Chain	Basis	InitialAmount	FinalAmount	O_8081/82surr 00019	O_8082spike 00006		
MB 480-58864/1		3550B, 8082		+2.49 g	10 mL	1 mL			
LCS 480-58864/2		3550B, 8082		+2.04 g	10 mL	1 mL	1 mL		
480-18292-B-5 MS	RB-01 (0-6")	3550B, 8082	T	+2.10 g	10 mL	1 mL	1 mL		
480-18292-B-5 MSD	RB-01 (0-6")	3550B, 8082	T	+2.09 g	10 mL	1 mL	1 mL		
480-18292-C-1	RB-10 (6-12")	3550B, 8082	T	+2.56 g	10 mL	1 mL			
480-18292-C-2	RB-10 (12-24")	3550B, 8082	T	+2.27 g	10 mL	1 mL			
480-18292-B-3	RB-11 (0-6")	3550B, 8082	T	+2.52 g	10 mL	1 mL			
480-18292-B-4	RB-12 (0-6")	3550B, 8082	T	+2.13 g	10 mL	1 mL			
480-18292-C-5	RB-01 (0-6")	3550B, 8082	T	+2.18 g	10 mL	1 mL			
480-18292-A-6	RB-01 (6-12")	3550B, 8082	T	+2.20 g	10 mL	1 mL			
480-18292-C-7	RB-01 (12-24")	3550B, 8082	T	+2.12 g	10 mL	1 mL			
480-18292-B-8	RB-02 (0-6")	3550B, 8082	T	+2.80 g	10 mL	1 mL			
480-18292-A-9	RB-02 (6-12")	3550B, 8082	T	+2.66 g	10 mL	1 mL			
480-18292-B-10	RB-02 (12-24")	3550B, 8082	T	+2.46 g	10 mL	1 mL			
480-18292-B-11	DUP-03	3550B, 8082	T	+2.25 g	10 mL	1 mL			

Batch Notes	
Acid used for Clean Up Reagent	Sulfuric K43058 TR 4/10/12
Balance ID	40029
Batch Comment	NONE
Na2SO4 Lot Number	27862003
Prep Solvent Lot #	K40E09
Prep Solvent Name	Hexane
Prep Solvent Volume Used	10 mL
Person's name who did the prep	MZ/MB
Person's name who witnessed reagent drop	TR
Solvent Name	Hexane

Basis	Basis Description
T	Total/NA

METALS

COVER PAGE
METALS

Lab Name: TestAmerica Buffalo Job Number: 480-18292-1

SDG No.:

Project: ALCO-Maxon Site

Client Sample ID	Lab Sample ID
RB-10 (6-12")	480-18292-1
RB-10 (12-24")	480-18292-2
RB-11 (0-6")	480-18292-3
RB-12 (0-6")	480-18292-4
RB-01 (0-6")	480-18292-5
RB-01 (6-12")	480-18292-6
RB-01 (12-24")	480-18292-7
RB-02 (0-6")	480-18292-8
RB-02 (6-12")	480-18292-9
RB-02 (12-24")	480-18292-10
DUP-03	480-18292-11

Comments:

1A-IN
INORGANIC ANALYSIS DATA SHEET
METALS

Client Sample ID: RB-10 (6-12") Lab Sample ID: 480-18292-1

Lab Name: TestAmerica Buffalo Job No.: 480-18292-1

SDG ID.:

Matrix: Solid Date Sampled: 04/05/2012 15:20

Reporting Basis: DRY Date Received: 04/07/2012 09:00

% Solids: 91.9

CAS No.	Analyte	Result	RL	MDL	Units	C	Q	DIL	Method
7429-90-5	Aluminum	5180	10.9	4.8	mg/Kg			1	6010B
7440-36-0	Antimony	ND	16.3	0.59	mg/Kg			1	6010B
7440-38-2	Arsenic	17.0	2.2	0.44	mg/Kg			1	6010B
7440-39-3	Barium	38.2	0.54	0.12	mg/Kg			1	6010B
7440-41-7	Beryllium	0.30	0.22	0.031	mg/Kg			1	6010B
7440-43-9	Cadmium	0.18	0.22	0.033	mg/Kg	J	B	1	6010B
7440-70-2	Calcium	2220	54.5	3.6	mg/Kg		B	1	6010B
7440-47-3	Chromium	10.2	0.54	0.22	mg/Kg			1	6010B
7440-48-4	Cobalt	3.9	0.54	0.054	mg/Kg			1	6010B
7440-50-8	Copper	24.5	1.1	0.23	mg/Kg			1	6010B
7439-89-6	Iron	15600	10.9	1.2	mg/Kg			1	6010B
7439-92-1	Lead	34.1	1.1	0.26	mg/Kg			1	6010B
7439-95-4	Magnesium	1950	21.8	1.0	mg/Kg			1	6010B
7439-96-5	Manganese	230	0.22	0.035	mg/Kg		B	1	6010B
7440-02-0	Nickel	13.2	5.4	0.25	mg/Kg			1	6010B
7440-09-7	Potassium	735	32.7	21.8	mg/Kg			1	6010B
7782-49-2	Selenium	ND	4.4	0.62	mg/Kg			1	6010B
7440-22-4	Silver	ND	0.54	0.22	mg/Kg			1	6010B
7440-23-5	Sodium	34.8	153	14.2	mg/Kg	J		1	6010B
7440-28-0	Thallium	ND	6.5	0.33	mg/Kg			1	6010B
7440-62-2	Vanadium	15.0	0.54	0.12	mg/Kg			1	6010B
7440-66-6	Zinc	33.5	2.2	0.17	mg/Kg			1	6010B
7439-97-6	Hg	0.51	0.021	0.0086	mg/Kg			1	7471A

1A-IN
INORGANIC ANALYSIS DATA SHEET
METALS

Client Sample ID: RB-10 (12-24") Lab Sample ID: 480-18292-2

Lab Name: TestAmerica Buffalo Job No.: 480-18292-1

SDG ID.:

Matrix: Solid Date Sampled: 04/05/2012 15:30

Reporting Basis: DRY Date Received: 04/07/2012 09:00

% Solids: 93.0

CAS No.	Analyte	Result	RL	MDL	Units	C	Q	DIL	Method
7429-90-5	Aluminum	5120	10.7	4.7	mg/Kg			1	6010B
7440-36-0	Antimony	ND	16.0	0.58	mg/Kg			1	6010B
7440-38-2	Arsenic	5.3	2.1	0.43	mg/Kg			1	6010B
7440-39-3	Barium	24.0	0.53	0.12	mg/Kg			1	6010B
7440-41-7	Beryllium	0.30	0.21	0.030	mg/Kg			1	6010B
7440-43-9	Cadmium	0.12	0.21	0.032	mg/Kg	J	B	1	6010B
7440-70-2	Calcium	1950	53.3	3.5	mg/Kg		B	1	6010B
7440-47-3	Chromium	9.3	0.53	0.21	mg/Kg			1	6010B
7440-48-4	Cobalt	3.6	0.53	0.053	mg/Kg			1	6010B
7440-50-8	Copper	14.7	1.1	0.22	mg/Kg			1	6010B
7439-89-6	Iron	12900	10.7	1.2	mg/Kg			1	6010B
7439-92-1	Lead	15.2	1.1	0.26	mg/Kg			1	6010B
7439-95-4	Magnesium	1580	21.3	0.99	mg/Kg			1	6010B
7439-96-5	Manganese	324	0.21	0.034	mg/Kg		B	1	6010B
7440-02-0	Nickel	8.3	5.3	0.25	mg/Kg			1	6010B
7440-09-7	Potassium	710	32.0	21.3	mg/Kg			1	6010B
7782-49-2	Selenium	ND	4.3	0.61	mg/Kg			1	6010B
7440-22-4	Silver	ND	0.53	0.21	mg/Kg			1	6010B
7440-23-5	Sodium	35.8	149	13.9	mg/Kg	J		1	6010B
7440-28-0	Thallium	ND	6.4	0.32	mg/Kg			1	6010B
7440-62-2	Vanadium	15.8	0.53	0.12	mg/Kg			1	6010B
7440-66-6	Zinc	22.9	2.1	0.16	mg/Kg			1	6010B
7439-97-6	Hg	0.42	0.020	0.0079	mg/Kg			1	7471A

1A-IN
INORGANIC ANALYSIS DATA SHEET
METALS

Client Sample ID: RB-11 (0-6") Lab Sample ID: 480-18292-3

Lab Name: TestAmerica Buffalo Job No.: 480-18292-1

SDG ID.:

Matrix: Solid Date Sampled: 04/05/2012 17:00

Reporting Basis: DRY Date Received: 04/07/2012 09:00

% Solids: 93.9

CAS No.	Analyte	Result	RL	MDL	Units	C	Q	DIL	Method
7429-90-5	Aluminum	1910	10.7	4.7	mg/Kg			1	6010B
7440-36-0	Antimony	ND	16.0	0.58	mg/Kg			1	6010B
7440-38-2	Arsenic	19.9	2.1	0.43	mg/Kg			1	6010B
7440-39-3	Barium	61.3	0.53	0.12	mg/Kg			1	6010B
7440-41-7	Beryllium	0.30	0.21	0.030	mg/Kg			1	6010B
7440-43-9	Cadmium	0.18	0.21	0.032	mg/Kg	J	B	1	6010B
7440-70-2	Calcium	84400	53.5	3.5	mg/Kg		B	1	6010B
7440-47-3	Chromium	11.9	0.53	0.21	mg/Kg			1	6010B
7440-48-4	Cobalt	5.0	0.53	0.053	mg/Kg			1	6010B
7440-50-8	Copper	22.9	1.1	0.22	mg/Kg			1	6010B
7439-89-6	Iron	10600	10.7	1.2	mg/Kg			1	6010B
7439-92-1	Lead	22.6	1.1	0.26	mg/Kg			1	6010B
7439-95-4	Magnesium	46900	21.4	0.99	mg/Kg			1	6010B
7439-96-5	Manganese	207	0.21	0.034	mg/Kg		B	1	6010B
7440-02-0	Nickel	14.0	5.3	0.25	mg/Kg			1	6010B
7440-09-7	Potassium	746	32.1	21.4	mg/Kg			1	6010B
7782-49-2	Selenium	ND	4.3	0.61	mg/Kg			1	6010B
7440-22-4	Silver	ND	0.53	0.21	mg/Kg			1	6010B
7440-23-5	Sodium	73.9	150	13.9	mg/Kg	J		1	6010B
7440-28-0	Thallium	ND	6.4	0.32	mg/Kg			1	6010B
7440-62-2	Vanadium	8.4	0.53	0.12	mg/Kg			1	6010B
7440-66-6	Zinc	32.8	2.1	0.16	mg/Kg			1	6010B
7439-97-6	Hg	0.041	0.022	0.0087	mg/Kg			1	7471A

1A-IN
INORGANIC ANALYSIS DATA SHEET
METALS

Client Sample ID: RB-12 (0-6") Lab Sample ID: 480-18292-4

Lab Name: TestAmerica Buffalo Job No.: 480-18292-1

SDG ID.:

Matrix: Solid Date Sampled: 04/05/2012 17:10

Reporting Basis: DRY Date Received: 04/07/2012 09:00

% Solids: 95.7

CAS No.	Analyte	Result	RL	MDL	Units	C	Q	DIL	Method
7429-90-5	Aluminum	2940	10.3	4.5	mg/Kg			1	6010B
7440-36-0	Antimony	ND	15.5	0.56	mg/Kg			1	6010B
7440-38-2	Arsenic	7.9	2.1	0.41	mg/Kg			1	6010B
7440-39-3	Barium	27.6	0.52	0.11	mg/Kg			1	6010B
7440-41-7	Beryllium	0.23	0.21	0.029	mg/Kg			1	6010B
7440-43-9	Cadmium	0.54	0.21	0.031	mg/Kg		B	1	6010B
7440-70-2	Calcium	19500	51.6	3.4	mg/Kg		B	1	6010B
7440-47-3	Chromium	12.2	0.52	0.21	mg/Kg			1	6010B
7440-48-4	Cobalt	4.4	0.52	0.052	mg/Kg			1	6010B
7440-50-8	Copper	40.4	1.0	0.22	mg/Kg			1	6010B
7439-89-6	Iron	15700	10.3	1.1	mg/Kg			1	6010B
7439-92-1	Lead	63.4	1.0	0.25	mg/Kg			1	6010B
7439-95-4	Magnesium	11100	20.6	0.96	mg/Kg			1	6010B
7439-96-5	Manganese	237	0.21	0.033	mg/Kg		B	1	6010B
7440-02-0	Nickel	12.2	5.2	0.24	mg/Kg			1	6010B
7440-09-7	Potassium	434	31.0	20.6	mg/Kg			1	6010B
7782-49-2	Selenium	ND	4.1	0.59	mg/Kg			1	6010B
7440-22-4	Silver	ND	0.52	0.21	mg/Kg			1	6010B
7440-23-5	Sodium	39.1	144	13.4	mg/Kg	J		1	6010B
7440-28-0	Thallium	ND	6.2	0.31	mg/Kg			1	6010B
7440-62-2	Vanadium	11.1	0.52	0.11	mg/Kg			1	6010B
7440-66-6	Zinc	101	2.1	0.16	mg/Kg			1	6010B
7439-97-6	Hg	0.38	0.020	0.0080	mg/Kg			1	7471A

1A-IN
INORGANIC ANALYSIS DATA SHEET
METALS

Client Sample ID: RB-01 (0-6") Lab Sample ID: 480-18292-5

Lab Name: TestAmerica Buffalo Job No.: 480-18292-1

SDG ID.:

Matrix: Solid Date Sampled: 04/05/2012 15:45

Reporting Basis: DRY Date Received: 04/07/2012 09:00

% Solids: 89.3

CAS No.	Analyte	Result	RL	MDL	Units	C	Q	DIL	Method
7429-90-5	Aluminum	4270	10.4	4.6	mg/Kg			1	6010B
7440-36-0	Antimony	0.84	15.7	0.56	mg/Kg	J	B	1	6010B
7440-38-2	Arsenic	9.5	2.1	0.42	mg/Kg			1	6010B
7440-39-3	Barium	72.2	0.52	0.11	mg/Kg			1	6010B
7440-41-7	Beryllium	0.30	0.21	0.029	mg/Kg			1	6010B
7440-43-9	Cadmium	0.30	0.21	0.031	mg/Kg		B	1	6010B
7440-70-2	Calcium	13400	52.2	3.4	mg/Kg		B	1	6010B
7440-47-3	Chromium	9.5	0.52	0.21	mg/Kg			1	6010B
7440-48-4	Cobalt	3.2	0.52	0.052	mg/Kg			1	6010B
7440-50-8	Copper	34.8	1.0	0.22	mg/Kg			1	6010B
7439-89-6	Iron	14600	10.4	1.1	mg/Kg			1	6010B
7439-92-1	Lead	81.1	1.0	0.25	mg/Kg			1	6010B
7439-95-4	Magnesium	4100	20.9	0.97	mg/Kg			1	6010B
7439-96-5	Manganese	204	0.21	0.033	mg/Kg		B	1	6010B
7440-02-0	Nickel	13.5	5.2	0.24	mg/Kg			1	6010B
7440-09-7	Potassium	673	31.3	20.9	mg/Kg			1	6010B
7782-49-2	Selenium	ND	4.2	0.60	mg/Kg			1	6010B
7440-22-4	Silver	ND	0.52	0.21	mg/Kg			1	6010B
7440-23-5	Sodium	160	146	13.6	mg/Kg			1	6010B
7440-28-0	Thallium	ND	6.3	0.31	mg/Kg			1	6010B
7440-62-2	Vanadium	14.9	0.52	0.11	mg/Kg			1	6010B
7440-66-6	Zinc	58.6	2.1	0.16	mg/Kg			1	6010B
7439-97-6	Hg	0.28	0.023	0.0092	mg/Kg			1	7471A

1A-IN
INORGANIC ANALYSIS DATA SHEET
METALS

Client Sample ID: RB-01 (6-12") Lab Sample ID: 480-18292-6

Lab Name: TestAmerica Buffalo Job No.: 480-18292-1

SDG ID.:

Matrix: Solid Date Sampled: 04/05/2012 16:00

Reporting Basis: DRY Date Received: 04/07/2012 09:00

% Solids: 83.5

CAS No.	Analyte	Result	RL	MDL	Units	C	Q	DIL	Method
7429-90-5	Aluminum	6460	12.9	5.7	mg/Kg			1	6010B
7440-36-0	Antimony	ND	19.3	0.69	mg/Kg			1	6010B
7440-38-2	Arsenic	11.5	2.6	0.51	mg/Kg			1	6010B
7440-39-3	Barium	78.1	0.64	0.14	mg/Kg			1	6010B
7440-41-7	Beryllium	0.39	0.26	0.036	mg/Kg			1	6010B
7440-43-9	Cadmium	0.31	0.26	0.039	mg/Kg		B	1	6010B
7440-70-2	Calcium	14100	64.3	4.2	mg/Kg		B	1	6010B
7440-47-3	Chromium	11.9	0.64	0.26	mg/Kg			1	6010B
7440-48-4	Cobalt	3.9	0.64	0.064	mg/Kg			1	6010B
7440-50-8	Copper	43.5	1.3	0.27	mg/Kg			1	6010B
7439-89-6	Iron	16800	12.9	1.4	mg/Kg			1	6010B
7439-92-1	Lead	74.6	1.3	0.31	mg/Kg			1	6010B
7439-95-4	Magnesium	5320	25.7	1.2	mg/Kg			1	6010B
7439-96-5	Manganese	303	0.26	0.041	mg/Kg		B	1	6010B
7440-02-0	Nickel	19.5	6.4	0.30	mg/Kg			1	6010B
7440-09-7	Potassium	813	38.6	25.7	mg/Kg			1	6010B
7782-49-2	Selenium	ND	5.1	0.73	mg/Kg			1	6010B
7440-22-4	Silver	ND	0.64	0.26	mg/Kg			1	6010B
7440-23-5	Sodium	162	180	16.7	mg/Kg	J		1	6010B
7440-28-0	Thallium	ND	7.7	0.39	mg/Kg			1	6010B
7440-62-2	Vanadium	17.4	0.64	0.14	mg/Kg			1	6010B
7440-66-6	Zinc	63.1	2.6	0.20	mg/Kg			1	6010B
7439-97-6	Hg	0.14	0.024	0.0098	mg/Kg			1	7471A

1A-IN
INORGANIC ANALYSIS DATA SHEET
METALS

Client Sample ID: RB-01 (12-24") Lab Sample ID: 480-18292-7

Lab Name: TestAmerica Buffalo Job No.: 480-18292-1

SDG ID.:

Matrix: Solid Date Sampled: 04/05/2012 16:10

Reporting Basis: DRY Date Received: 04/07/2012 09:00

% Solids: 82.5

CAS No.	Analyte	Result	RL	MDL	Units	C	Q	DIL	Method
7429-90-5	Aluminum	5290	11.4	5.0	mg/Kg			1	6010B
7440-36-0	Antimony	ND	17.1	0.62	mg/Kg			1	6010B
7440-38-2	Arsenic	14.5	2.3	0.46	mg/Kg			1	6010B
7440-39-3	Barium	86.9	0.57	0.13	mg/Kg			1	6010B
7440-41-7	Beryllium	0.39	0.23	0.032	mg/Kg			1	6010B
7440-43-9	Cadmium	0.27	0.23	0.034	mg/Kg		B	1	6010B
7440-70-2	Calcium	40400	57.1	3.8	mg/Kg		B	1	6010B
7440-47-3	Chromium	10.3	0.57	0.23	mg/Kg			1	6010B
7440-48-4	Cobalt	3.6	0.57	0.057	mg/Kg			1	6010B
7440-50-8	Copper	37.9	1.1	0.24	mg/Kg			1	6010B
7439-89-6	Iron	15300	11.4	1.3	mg/Kg			1	6010B
7439-92-1	Lead	65.6	1.1	0.27	mg/Kg			1	6010B
7439-95-4	Magnesium	4280	22.9	1.1	mg/Kg			1	6010B
7439-96-5	Manganese	195	0.23	0.037	mg/Kg		B	1	6010B
7440-02-0	Nickel	15.8	5.7	0.26	mg/Kg			1	6010B
7440-09-7	Potassium	692	34.3	22.9	mg/Kg			1	6010B
7782-49-2	Selenium	0.76	4.6	0.65	mg/Kg	J		1	6010B
7440-22-4	Silver	ND	0.57	0.23	mg/Kg			1	6010B
7440-23-5	Sodium	252	160	14.9	mg/Kg			1	6010B
7440-28-0	Thallium	ND	6.9	0.34	mg/Kg			1	6010B
7440-62-2	Vanadium	16.0	0.57	0.13	mg/Kg			1	6010B
7440-66-6	Zinc	48.1	2.3	0.17	mg/Kg			1	6010B
7439-97-6	Hg	0.14	0.026	0.011	mg/Kg			1	7471A

1A-IN
INORGANIC ANALYSIS DATA SHEET
METALS

Client Sample ID: RB-02 (0-6") Lab Sample ID: 480-18292-8

Lab Name: TestAmerica Buffalo Job No.: 480-18292-1

SDG ID.:

Matrix: Solid Date Sampled: 04/05/2012 16:20

Reporting Basis: DRY Date Received: 04/07/2012 09:00

% Solids: 93.2

CAS No.	Analyte	Result	RL	MDL	Units	C	Q	DIL	Method
7429-90-5	Aluminum	3150	11.0	4.9	mg/Kg			1	6010B
7440-36-0	Antimony	ND	16.5	0.60	mg/Kg			1	6010B
7440-38-2	Arsenic	32.8	2.2	0.44	mg/Kg			1	6010B
7440-39-3	Barium	33.4	0.55	0.12	mg/Kg			1	6010B
7440-41-7	Beryllium	0.21	0.22	0.031	mg/Kg	J		1	6010B
7440-43-9	Cadmium	0.14	0.22	0.033	mg/Kg	J	B	1	6010B
7440-70-2	Calcium	8710	55.1	3.6	mg/Kg		B	1	6010B
7440-47-3	Chromium	8.8	0.55	0.22	mg/Kg			1	6010B
7440-48-4	Cobalt	3.4	0.55	0.055	mg/Kg			1	6010B
7440-50-8	Copper	21.5	1.1	0.23	mg/Kg			1	6010B
7439-89-6	Iron	20700	11.0	1.2	mg/Kg			1	6010B
7439-92-1	Lead	37.7	1.1	0.26	mg/Kg			1	6010B
7439-95-4	Magnesium	2920	22.1	1.0	mg/Kg			1	6010B
7439-96-5	Manganese	163	0.22	0.035	mg/Kg		B	1	6010B
7440-02-0	Nickel	9.4	5.5	0.25	mg/Kg			1	6010B
7440-09-7	Potassium	650	33.1	22.1	mg/Kg			1	6010B
7782-49-2	Selenium	1.5	4.4	0.63	mg/Kg	J		1	6010B
7440-22-4	Silver	ND	0.55	0.22	mg/Kg			1	6010B
7440-23-5	Sodium	369	154	14.3	mg/Kg			1	6010B
7440-28-0	Thallium	ND	6.6	0.33	mg/Kg			1	6010B
7440-62-2	Vanadium	16.1	0.55	0.12	mg/Kg			1	6010B
7440-66-6	Zinc	32.9	2.2	0.17	mg/Kg			1	6010B
7439-97-6	Hg	0.19	0.023	0.0092	mg/Kg			1	7471A

1A-IN
INORGANIC ANALYSIS DATA SHEET
METALS

Client Sample ID: RB-02 (6-12") Lab Sample ID: 480-18292-9

Lab Name: TestAmerica Buffalo Job No.: 480-18292-1

SDG ID.:

Matrix: Solid Date Sampled: 04/05/2012 16:40

Reporting Basis: DRY Date Received: 04/07/2012 09:00

% Solids: 92.4

CAS No.	Analyte	Result	RL	MDL	Units	C	Q	DIL	Method
7429-90-5	Aluminum	5350	9.9	4.4	mg/Kg			1	6010B
7440-36-0	Antimony	ND	14.8	0.53	mg/Kg			1	6010B
7440-38-2	Arsenic	5.4	2.0	0.40	mg/Kg			1	6010B
7440-39-3	Barium	19.3	0.49	0.11	mg/Kg			1	6010B
7440-41-7	Beryllium	0.13	0.20	0.028	mg/Kg	J		1	6010B
7440-43-9	Cadmium	0.15	0.20	0.030	mg/Kg	J	B	1	6010B
7440-70-2	Calcium	2340	49.5	3.3	mg/Kg		B	1	6010B
7440-47-3	Chromium	8.7	0.49	0.20	mg/Kg			1	6010B
7440-48-4	Cobalt	1.6	0.49	0.049	mg/Kg			1	6010B
7440-50-8	Copper	11.7	0.99	0.21	mg/Kg			1	6010B
7439-89-6	Iron	7970	9.9	1.1	mg/Kg			1	6010B
7439-92-1	Lead	17.1	0.99	0.24	mg/Kg			1	6010B
7439-95-4	Magnesium	662	19.8	0.92	mg/Kg			1	6010B
7439-96-5	Manganese	134	0.20	0.032	mg/Kg		B	1	6010B
7440-02-0	Nickel	7.5	4.9	0.23	mg/Kg			1	6010B
7440-09-7	Potassium	365	29.7	19.8	mg/Kg			1	6010B
7782-49-2	Selenium	ND	4.0	0.56	mg/Kg			1	6010B
7440-22-4	Silver	ND	0.49	0.20	mg/Kg			1	6010B
7440-23-5	Sodium	226	139	12.9	mg/Kg			1	6010B
7440-28-0	Thallium	ND	5.9	0.30	mg/Kg			1	6010B
7440-62-2	Vanadium	11.8	0.49	0.11	mg/Kg			1	6010B
7440-66-6	Zinc	15.4	2.0	0.15	mg/Kg			1	6010B
7439-97-6	Hg	0.13	0.023	0.0094	mg/Kg			1	7471A

1A-IN
INORGANIC ANALYSIS DATA SHEET
METALS

Client Sample ID: RB-02 (12-24") Lab Sample ID: 480-18292-10

Lab Name: TestAmerica Buffalo Job No.: 480-18292-1

SDG ID.:

Matrix: Solid Date Sampled: 04/05/2012 16:50

Reporting Basis: DRY Date Received: 04/07/2012 09:00

% Solids: 88.7

CAS No.	Analyte	Result	RL	MDL	Units	C	Q	DIL	Method
7429-90-5	Aluminum	4970	11.4	5.0	mg/Kg			1	6010B
7440-36-0	Antimony	ND	17.0	0.61	mg/Kg			1	6010B
7440-38-2	Arsenic	16.2	2.3	0.45	mg/Kg			1	6010B
7440-39-3	Barium	35.0	0.57	0.12	mg/Kg			1	6010B
7440-41-7	Beryllium	0.20	0.23	0.032	mg/Kg	J		1	6010B
7440-43-9	Cadmium	0.14	0.23	0.034	mg/Kg	J	B	1	6010B
7440-70-2	Calcium	3530	56.8	3.7	mg/Kg		B	1	6010B
7440-47-3	Chromium	8.9	0.57	0.23	mg/Kg			1	6010B
7440-48-4	Cobalt	2.4	0.57	0.057	mg/Kg			1	6010B
7440-50-8	Copper	18.8	1.1	0.24	mg/Kg			1	6010B
7439-89-6	Iron	12300	11.4	1.2	mg/Kg			1	6010B
7439-92-1	Lead	47.2	1.1	0.27	mg/Kg			1	6010B
7439-95-4	Magnesium	1040	22.7	1.1	mg/Kg			1	6010B
7439-96-5	Manganese	115	0.23	0.036	mg/Kg		B	1	6010B
7440-02-0	Nickel	7.8	5.7	0.26	mg/Kg			1	6010B
7440-09-7	Potassium	498	34.1	22.7	mg/Kg			1	6010B
7782-49-2	Selenium	0.87	4.5	0.65	mg/Kg	J		1	6010B
7440-22-4	Silver	ND	0.57	0.23	mg/Kg			1	6010B
7440-23-5	Sodium	264	159	14.8	mg/Kg			1	6010B
7440-28-0	Thallium	ND	6.8	0.34	mg/Kg			1	6010B
7440-62-2	Vanadium	12.5	0.57	0.12	mg/Kg			1	6010B
7440-66-6	Zinc	28.9	2.3	0.17	mg/Kg			1	6010B
7439-97-6	Hg	0.12	0.021	0.0087	mg/Kg			1	7471A

1A-IN
INORGANIC ANALYSIS DATA SHEET
METALS

Client Sample ID: DUP-03 | Lab Sample ID: 480-18292-11

Lab Name: TestAmerica Buffalo | Job No.: 480-18292-1

SDG ID.:

Matrix: Solid | Date Sampled: 04/05/2012 16:30

Reporting Basis: DRY | Date Received: 04/07/2012 09:00

% Solids: 81.5

CAS No.	Analyte	Result	RL	MDL	Units	C	Q	DIL	Method
7429-90-5	Aluminum	4790	13.6	6.0	mg/Kg			1	6010B
7440-36-0	Antimony	ND	20.3	0.73	mg/Kg			1	6010B
7440-38-2	Arsenic	12.7	2.7	0.54	mg/Kg			1	6010B
7440-39-3	Barium	82.7	0.68	0.15	mg/Kg			1	6010B
7440-41-7	Beryllium	0.37	0.27	0.038	mg/Kg			1	6010B
7440-43-9	Cadmium	0.35	0.27	0.041	mg/Kg		B	1	6010B
7440-70-2	Calcium	42900	67.8	4.5	mg/Kg		B	1	6010B
7440-47-3	Chromium	13.8	0.68	0.27	mg/Kg			1	6010B
7440-48-4	Cobalt	4.5	0.68	0.068	mg/Kg			1	6010B
7440-50-8	Copper	42.3	1.4	0.28	mg/Kg			1	6010B
7439-89-6	Iron	17600	13.6	1.5	mg/Kg			1	6010B
7439-92-1	Lead	62.2	1.4	0.33	mg/Kg			1	6010B
7439-95-4	Magnesium	24700	27.1	1.3	mg/Kg			1	6010B
7439-96-5	Manganese	255	0.27	0.043	mg/Kg		B	1	6010B
7440-02-0	Nickel	16.4	6.8	0.31	mg/Kg			1	6010B
7440-09-7	Potassium	760	40.7	27.1	mg/Kg			1	6010B
7782-49-2	Selenium	ND	5.4	0.77	mg/Kg			1	6010B
7440-22-4	Silver	ND	0.68	0.27	mg/Kg			1	6010B
7440-23-5	Sodium	242	190	17.6	mg/Kg			1	6010B
7440-28-0	Thallium	ND	8.1	0.41	mg/Kg			1	6010B
7440-62-2	Vanadium	16.7	0.68	0.15	mg/Kg			1	6010B
7440-66-6	Zinc	47.2	2.7	0.21	mg/Kg			1	6010B
7439-97-6	Hg	0.12	0.026	0.011	mg/Kg			1	7471A

2A-IN
CALIBRATION VERIFICATIONS
METALS

Lab Name: TestAmerica Buffalo Job No.: 480-18292-1

SDG No.:

ICV Source: MEI_04_ICV_00093 Concentration Units: mg/L

CCV Source: MEI_09_CCV_00056

Analyte	ICV 480-59065/5 04/10/2012 17:12				CCV 480-59065/12 04/10/2012 22:49				CCV 480-59065/17 04/10/2012 23:18			
	Found	C	True	%R	Found	C	True	%R	Found	C	True	%R
Aluminum	18.33		18.8	98	23.13		25.0	93	22.79		25.0	91
Antimony	0.373		0.375	99	0.507		0.500	101	0.513		0.500	103
Arsenic	0.359		0.375	96	0.502		0.500	100	0.508		0.500	102
Barium	0.371		0.375	99	0.468		0.500	94	0.457		0.500	91
Beryllium	0.368		0.375	98	0.477		0.500	95	0.479		0.500	96
Cadmium	0.368		0.375	98	0.509		0.500	102	0.509		0.500	102
Calcium	18.33		18.8	98	22.56		25.0	90	22.46		25.0	90
Chromium	0.368		0.375	98	0.479		0.500	96	0.474		0.500	95
Cobalt	0.356		0.375	95	0.473		0.500	95	0.473		0.500	95
Copper	0.365		0.375	97	0.490		0.500	98	0.480		0.500	96
Iron	18.57		18.8	99	23.86		25.0	95	24.10		25.0	96
Lead	0.360		0.375	96	0.480		0.500	96	0.486		0.500	97
Magnesium	18.37		18.8	98	24.88		25.0	100	25.16		25.0	101
Manganese	0.377		0.375	100	0.504		0.500	101	0.514		0.500	103
Nickel	0.362		0.375	96	0.480		0.500	96	0.486		0.500	97
Potassium	18.17		18.8	97	24.14		25.0	97	23.78		25.0	95
Selenium	0.366		0.375	98	0.510		0.500	102	0.504		0.500	101
Silver	0.357		0.375	95	0.465		0.500	93	0.450		0.500	90
Sodium	18.03		18.8	96	23.85		25.0	95	23.32		25.0	93
Thallium	0.371		0.375	99	0.496		0.500	99	0.504		0.500	101
Vanadium	0.366		0.375	98	0.475		0.500	95	0.464		0.500	93
Zinc	0.364		0.375	97	0.468		0.500	94	0.474		0.500	95

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.: 480-18292-1

SDG No.:

ICV Source: MEI_04_ICV_00093 Concentration Units: mg/L

CCV Source: MEI_09_CCV_00056

Analyte	CCV 480-59065/29 04/10/2012 23:46				CCV 480-59065/36 04/11/2012 00:14							
	Found	C	True	%R	Found	C	True	%R	Found	C	True	%R
Aluminum	22.89		25.0	92	23.63		25.0	95				
Antimony	0.511		0.500	102	0.509		0.500	102				
Arsenic	0.517		0.500	103	0.509		0.500	102				
Barium	0.461		0.500	92	0.480		0.500	96				
Beryllium	0.479		0.500	96	0.477		0.500	95				
Cadmium	0.516		0.500	103	0.517		0.500	103				
Calcium	22.70		25.0	91	23.12		25.0	92				
Chromium	0.485		0.500	97	0.486		0.500	97				
Cobalt	0.479		0.500	96	0.479		0.500	96				
Copper	0.482		0.500	96	0.492		0.500	98				
Iron	24.12		25.0	96	23.89		25.0	96				
Lead	0.492		0.500	98	0.486		0.500	97				
Magnesium	25.42		25.0	102	24.94		25.0	100				
Manganese	0.514		0.500	103	0.504		0.500	101				
Nickel	0.490		0.500	98	0.482		0.500	96				
Potassium	23.99		25.0	96	24.51		25.0	98				
Selenium	0.516		0.500	103	0.505		0.500	101				
Silver	0.457		0.500	91	0.474		0.500	95				
Sodium	23.52		25.0	94	24.33		25.0	97				
Thallium	0.518		0.500	104	0.508		0.500	102				
Vanadium	0.475		0.500	95	0.484		0.500	97				
Zinc	0.490		0.500	98	0.475		0.500	95				

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.: 480-18292-1

SDG No.:

ICV Source: MEI_04_ICV_00093 Concentration Units: mg/L

CCV Source: MEI_09_CCV_00056

Analyte	ICV 480-59415/5 04/12/2012 15:14				CCV 480-59415/12 04/12/2012 15:35				CCV 480-59415/15 04/12/2012 16:01			
	Found	C	True	%R	Found	C	True	%R	Found	C	True	%R
Magnesium	18.61		18.8	99	24.82		25.0	99	23.50		25.0	94

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.: 480-18292-1

SDG No.:

ICV Source: MEH_HG2_WKG_00063 Concentration Units: mg/L

CCV Source: MEH_HG2_WKG_00063

Analyte	ICV 480-58742/1 04/09/2012 10:30				CCV 480-58742/28 04/09/2012 11:05				CCV 480-58742/40 04/09/2012 11:22			
	Found	C	True	%R	Found	C	True	%R	Found	C	True	%R
Hg	0.00311		0.00300	104	0.00197		0.00200	99	0.00200		0.00200	100

Note! Calculations are performed before rounding to avoid round-off errors in calculated results.
Italicized analytes were not requested for this sequence.

2A-IN
CALIBRATION VERIFICATIONS
METALS

Lab Name: TestAmerica Buffalo Job No.: 480-18292-1

SDG No.:

ICV Source: MEH_HG2_WKG_00063 Concentration Units: mg/L

CCV Source: MEH_HG2_WKG_00063

Analyte	CCV 480-58742/52 04/09/2012 11:38											
	Found	C	True	%R	Found	C	True	%R	Found	C	True	%R
Hg	0.00204		0.00200	102								

Note! Calculations are performed before rounding to avoid round-off errors in calculated results.
Italicized analytes were not requested for this sequence.

2B-IN
CRQL CHECK STANDARD
METALS

Lab Name: TestAmerica Buffalo Job No.: 480-18292-1

SDG No.:

Method: 6010B Instrument ID: ICAP1

Lab Sample ID: CRI 480-59065/7 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	0.144	J	72	50-150
Antimony	0.0200	0.0185	J	92	50-150
Arsenic	0.0100	0.0124		124	50-150
Barium	0.00200	0.00208		104	50-150
Beryllium	0.00200	0.00193	J	97	50-150
Cadmium	0.00100	0.00102		102	50-150
Calcium	0.500	0.487	J	97	50-150
Chromium	0.00400	0.00449		112	50-150
Cobalt	0.00400	0.00353	J	88	50-150
Copper	0.0100	0.00975	J	98	50-150
Iron	0.0500	0.0559		112	50-150
Lead	0.00500	0.00683		137	50-150
Magnesium	0.200	0.193	J	96	50-150
Manganese	0.00300	0.00326		109	50-150
Nickel	0.0100	0.0110		110	50-150
Potassium	0.500	0.470	J	94	50-150
Selenium	0.0150	ND		51	50-150
Silver	0.00300	0.00287	J	96	50-150
Sodium	1.00	0.937	J	94	50-150
Thallium	0.0200	0.0198	J	99	50-150
Vanadium	0.00500	0.00477	J	95	50-150
Zinc	0.0100	0.00770	J	77	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.: 480-18292-1

SDG No.:

Method: 6010B Instrument ID: ICAP2

Lab Sample ID: CRI 480-59415/7 Concentration Units: mg/L

CRQL Check Standard Source: MEI_06_CRI_00030

Analyte	CRQL Check Standard				
	True	Found	Qualifiers	%R(1)	Limits
Magnesium	0.200	0.212		106	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.: 480-18292-1

SDG No.:

Method: 7471A Instrument ID: LEEMAN3

Lab Sample ID: CRA 480-58742/3 Concentration Units: mg/L

CRQL Check Standard Source: MEH_HG2_WKG_00063

Analyte	CRQL Check Standard				
	True	Found	Qualifiers	%R(1)	Limits
Hg	0.000200	0.000159	J	80	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.: 480-18292-1

SDG No.:

Concentration Units: mg/L

Analyte	RL	ICB 480-59065/6 04/10/2012 17:15		CCB 480-59065/13 04/10/2012 22:51		CCB 480-59065/18 04/10/2012 23:20		CCB 480-59065/30 04/10/2012 23:48	
		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	ND		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		0.00200	J
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.: 480-18292-1

SDG No.:

Concentration Units: mg/L

Analyte	RL	CCB 480-59065/37 04/11/2012 00:17							
		Found	C	Found	C	Found	C	Found	C
Aluminum	0.20	ND							
Antimony	0.020	ND							
Arsenic	0.010	ND							
Barium	0.0020	ND							
Beryllium	0.0020	ND							
Cadmium	0.0010	ND							
Calcium	0.50	ND							
Chromium	0.0040	ND							
Cobalt	0.0040	ND							
Copper	0.010	ND							
Iron	0.050	ND							
Lead	0.0050	ND							
Magnesium	0.20	ND							
Manganese	0.0030	ND							
Nickel	0.010	ND							
Potassium	0.50	ND							
Selenium	0.015	ND							
Silver	0.0030	ND							
Sodium	1.0	ND							
Thallium	0.020	ND							
Vanadium	0.0050	ND							
Zinc	0.010	ND							

Italicized analytes were not requested for this sequence.

3-IN
INSTRUMENT BLANKS
METALS

Lab Name: TestAmerica Buffalo Job No.: 480-18292-1

SDG No.:

Concentration Units: mg/L

Analyte	RL	ICB 480-59415/6 04/12/2012 15:16		CCB 480-59415/13 04/12/2012 15:37		CCB 480-59415/16 04/12/2012 16:03			
		Found	C	Found	C	Found	C	Found	C
Magnesium	0.20	ND		ND		ND			

Italicized analytes were not requested for this sequence.

3-IN
INSTRUMENT BLANKS
METALS

Lab Name: TestAmerica Buffalo Job No.: 480-18292-1

SDG No.:

Concentration Units: mg/L

Analyte	RL	ICB 480-58742/2 04/09/2012 10:31		CCB 480-58742/29 04/09/2012 11:06		CCB 480-58742/41 04/09/2012 11:23		CCB 480-58742/53 04/09/2012 11:40	
		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
METHOD BLANK
METALS

Lab Name: TestAmerica Buffalo Job No.: 480-18292-1

SDG No.:

Concentration Units: mg/Kg Lab Sample ID: MB 480-58875/1-A

Instrument Code: ICAP1 Batch No.: 59065

CAS No.	Analyte	Concentration	C	Q	Method
7429-90-5	Aluminum	ND			6010B
7440-36-0	Antimony	0.909	J		6010B
7440-38-2	Arsenic	ND			6010B
7440-39-3	Barium	ND			6010B
7440-41-7	Beryllium	ND			6010B
7440-43-9	Cadmium	0.0333	J		6010B
7440-70-2	Calcium	4.73	J		6010B
7440-47-3	Chromium	ND			6010B
7440-48-4	Cobalt	ND			6010B
7440-50-8	Copper	ND			6010B
7439-89-6	Iron	ND			6010B
7439-92-1	Lead	ND			6010B
7439-95-4	Magnesium	ND			6010B
7439-96-5	Manganese	0.0355	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	ND			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.: 480-18292-1

SDG No.:

Concentration Units: mg/Kg Lab Sample ID: MB 480-58653/1-A

Instrument Code: LEEMAN3 Batch No.: 58742

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.: 480-18292-1

SDG No.:

Lab Sample ID: ICSA 480-59065/8 Instrument ID: ICAP1

Lab File ID: I1041012A-7.asc ICS Source: MEI_07_ICSA_00027

Concentration Units: mg/L

Analyte	True Solution A	Found Solution A	Percent Recovery
Aluminum	**500**	**494**	**99**
Antimony		**-0.0137**	
Arsenic		**0.0127**	
Barium		**0.0005**	
Beryllium		**-0.0003**	
Cadmium		**0.0029**	
Calcium	**500**	**472**	**94**
Chromium		**0.0020**	
Cobalt		**-0.0001**	
Copper		**0.0028**	
Iron	**200**	**186**	**93**
Lead		**-0.0059**	
Magnesium	**500**	**516**	**103**
Manganese		**0.0019**	
Nickel		**0.0005**	
Potassium		**-0.0408**	
Selenium		**-0.0050**	
Silver		**-0.0017**	
Sodium		**0.0179**	
Thallium		**-0.0017**	
Vanadium		**0.0057**	
Zinc		**-0.0008**	
Boron		*0.0004*	
Lithium		*0.0047*	
Molybdenum		*-0.0010*	
Silicon		*0.0224*	
Strontium		*0.0006*	
Tin		*0.0009*	
Titanium		*0.0039*	

Calculations are performed before rounding to avoid round-off errors in calculated results.

FORM IVA-IN

4A-IN
INTERFERENCE CHECK STANDARD
METALS

Lab Name: TestAmerica Buffalo Job No.: 480-18292-1

SDG No.:

Lab Sample ID: ICSAB 480-59065/9 Instrument ID: ICAP1

Lab File ID: I1041012A-7.asc ICS Source: MEI_08_ICSAB_00034

Concentration Units: mg/L

Analyte	True Solution AB	Found Solution AB	Found Percent Recovery
Aluminum	**500**	**483**	**97**
Antimony	**0.600**	**0.593**	**99**
Arsenic	**0.100**	**0.115**	**115**
Barium	**0.500**	**0.480**	**96**
Beryllium	**0.500**	**0.505**	**101**
Cadmium	**1.00**	**1.05**	**105**
Calcium	**500**	**459**	**92**
Chromium	**0.500**	**0.490**	**98**
Cobalt	**0.500**	**0.503**	**101**
Copper	**0.500**	**0.542**	**108**
Iron	**100**	**91.5**	**92**
Lead	**0.0500**	**0.0403**	**81**
Magnesium	**500**	**531**	**106**
Manganese	**0.500**	**0.482**	**96**
Nickel	**1.00**	**0.977**	**98**
Potassium		**0.0061**	
Selenium	**0.0500**	**0.0479**	**96**
Silver	**0.200**	**0.168**	**84**
Sodium		**0.0364**	
Thallium	**0.100**	**0.0952**	**95**
Vanadium	**0.500**	**0.503**	**101**
Zinc	**1.00**	**0.983**	**98**
Boron		*0.0051*	
Lithium	*0.500*	*0.512*	*102*
Molybdenum		*-0.0002*	
Silicon	*1.00*	*1.07*	*107*
Strontium	*0.500*	*0.481*	*96*
Tin		*0.0011*	
Titanium		*0.0045*	

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.: 480-18292-1

SDG No.:

Lab Sample ID: ICSA 480-59415/8 Instrument ID: ICAP2

Lab File ID: I2041212A-1.asc ICS Source: MEI_07_ICSA_00027

Concentration Units: mg/L

Analyte	True Solution A	Found Solution A	Percent Recovery
Magnesium	**500**	**488**	**98**
Aluminum	*500*	*497*	*99*
Antimony		*0.0166*	
Arsenic		*-0.0025*	
Barium		*0.0004*	
Beryllium		*0.0001*	
Boron		*-0.0025*	
Cadmium		*0.0021*	
Calcium	*500*	*466*	*93*
Chromium		*-0.0003*	
Cobalt		*0.0004*	
Copper		*0.0023*	
Iron	*200*	*187*	*94*
Lead		*-0.0014*	
Lithium		*0.0081*	
Manganese		*0.0013*	
Molybdenum		*-0.0028*	
Nickel		*0.0042*	
Potassium		*-0.0657*	
Selenium		*-0.0014*	
Silicon		*0.0063*	
Silver		*-0.0012*	
Sodium		*0.0367*	
Strontium		*0.0013*	
Thallium		*-0.0020*	
Tin		*0.0016*	
Titanium		*0.0060*	
Vanadium		*0.0018*	
Zinc		*0.0013*	

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.: 480-18292-1

SDG No.:

Lab Sample ID: ICSAB 480-59415/9 Instrument ID: ICAP2

Lab File ID: I2041212A-1.asc ICS Source: MEI_08_ICSAB_00034

Concentration Units: mg/L

Analyte	True Solution AB	Found Solution AB	Percent Recovery
Magnesium	**500**	**499**	**100**
Aluminum	*500*	*493*	*99*
Antimony	*0.600*	*0.615*	*103*
Arsenic	*0.100*	*0.102*	*102*
Barium	*0.500*	*0.502*	*100*
Beryllium	*0.500*	*0.513*	*103*
Boron		*0.0024*	
Cadmium	*1.00*	*1.03*	*103*
Calcium	*500*	*460*	*92*
Chromium	*0.500*	*0.502*	*100*
Cobalt	*0.500*	*0.502*	*100*
Copper	*0.500*	*0.521*	*104*
Iron	*100*	*93.5*	*94*
Lead	*0.0500*	*0.0486*	*97*
Lithium	*0.500*	*0.523*	*105*
Manganese	*0.500*	*0.478*	*96*
Molybdenum		*-0.0017*	
Nickel	*1.00*	*0.977*	*98*
Potassium		*0.0043*	
Selenium	*0.0500*	*0.0515*	*103*
Silicon	*1.00*	*1.06*	*106*
Silver	*0.200*	*0.168*	*84*
Sodium		*0.0998*	
Strontium	*0.500*	*0.493*	*99*
Thallium	*0.100*	*0.101*	*101*
Tin		*0.0023*	
Titanium		*0.0057*	
Vanadium	*0.500*	*0.513*	*103*
Zinc	*1.00*	*1.05*	*105*

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-01 (0-6") MS
Lab ID: 480-18292-5 MS
Lab Name: TestAmerica Buffalo
Job No.: 480-18292-1
SDG No.:
Matrix: Solid
Concentration Units: mg/Kg
% Solids: 89.3

Analyte	SSR	C	Sample Result (SR)	C	Spike Added (SA)	%R	Control Limit %R	Q	Method
Aluminum	8822		4270		2120	215	75-125	F	6010B
Antimony	38.73		0.84	J	42.3	90	75-125		6010B
Arsenic	50.88		9.5		42.3	98	75-125		6010B
Barium	121.5		72.2		42.3	116	75-125		6010B
Beryllium	41.43		0.30		42.3	97	75-125		6010B
Cadmium	42.95		0.30		42.3	101	75-125		6010B
Calcium	18790		13400		2120	255	75-125	4	6010B
Chromium	51.93		9.5		42.3	100	75-125		6010B
Cobalt	44.97		3.2		42.3	99	75-125		6010B
Copper	78.30		34.8		42.3	103	75-125		6010B
Iron	16580		14600		2120	96	75-125	4	6010B
Lead	118.9		81.1		42.3	89	75-125		6010B
Magnesium	9709		4100		2120	265	75-125	F	6010B
Manganese	248.9		204		42.3	107	75-125	4	6010B
Nickel	55.94		13.5		42.3	100	75-125		6010B
Potassium	3070		673		2120	113	75-125		6010B
Selenium	41.03		ND		42.3	97	75-125		6010B
Silver	9.63		ND		10.6	91	75-125		6010B
Sodium	2221		160		2120	97	75-125		6010B
Thallium	41.35		ND		42.3	98	75-125		6010B
Vanadium	57.38		14.9		42.3	100	75-125		6010B
Zinc	102.3		58.6		42.3	103	75-125		6010B
Hg	0.559		0.28		0.391	71	75-125	F	7471A

SSR = Spiked Sample Result

Calculations are performed before rounding to avoid round-off errors in calculated results.
Note - Results and Reporting Limits have been adjusted for dry weight.

FORM VA - IN

5A-IN
MATRIX SPIKE DUPLICATE SAMPLE RECOVERY
METALS

Client ID: RB-01 (0-6") MSD
Lab ID: 480-18292-5 MSD
Lab Name: TestAmerica Buffalo
Job No.: 480-18292-1
SDG No.:
Matrix: Solid
Concentration Units: mg/Kg
% Solids: 89.3

Analyte	(SDR)	C	Spike Added (SA)	%R	Control Limit %R	RPD	RPD Limit	Q	Method
Aluminum	9996		2250	255	75-125	12.5	20	F	6010B
Antimony	40.75		44.9	89	75-125	5.09	20		6010B
Arsenic	53.02		44.9	97	75-125	4.12	20		6010B
Barium	137.6		44.9	146	75-125	12.5	20	F	6010B
Beryllium	43.65		44.9	96	75-125	5.21	20		6010B
Cadmium	44.52		44.9	98	75-125	3.59	20		6010B
Calcium	16480		2250	138	75-125	13.1	20	4	6010B
Chromium	53.02		44.9	97	75-125	2.07	20		6010B
Cobalt	47.22		44.9	98	75-125	4.87	20		6010B
Copper	80.29		44.9	101	75-125	2.51	20		6010B
Iron	17440		2250	129	75-125	5.09	20	4	6010B
Lead	123.0		44.9	93	75-125	3.40	20		6010B
Magnesium	6157		2250	92	75-125	44.8	20	F	6010B
Manganese	266.2		44.9	139	75-125	6.74	20	4	6010B
Nickel	59.63		44.9	103	75-125	6.38	20		6010B
Potassium	3193		2250	112	75-125	3.93	20		6010B
Selenium	42.37		44.9	94	75-125	3.22	20		6010B
Silver	10.23		11.2	91	75-125	6.03	20		6010B
Sodium	2372		2250	98	75-125	6.60	20		6010B
Thallium	43.25		44.9	96	75-125	4.50	20		6010B
Vanadium	61.09		44.9	103	75-125	6.27	20		6010B
Zinc	96.59		44.9	85	75-125	5.71	20		6010B
Hg	0.523		0.379	64	75-125	6.70	20	F	7471A

SDR = Sample Duplicate Result

Calculations are performed before rounding to avoid round-off errors in calculated results.
Note - Results and Reporting Limits have been adjusted for dry weight.

FORM VD - IN

5B-IN
POST DIGESTION SPIKE SAMPLE RECOVERY
METALS

Client ID: RB-01 (0-6") PDS Lab ID: 480-18292-5 PDS

Lab Name: TestAmerica Buffalo Job No.: 480-18292-1

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	6040		4270		2090	85	75-125		6010B
Antimony	40.95		0.84	J	41.8	96	75-125		6010B
Arsenic	48.74		9.5		41.8	94	75-125		6010B
Barium	107.1		72.2		41.8	83	75-125		6010B
Beryllium	40.22		0.30		41.8	96	75-125		6010B
Cadmium	41.29		0.30		41.8	98	75-125		6010B
Calcium	14470		13400		2090	52	75-125	W	6010B
Chromium	46.74		9.5		41.8	89	75-125		6010B
Cobalt	42.71		3.2		41.8	95	75-125		6010B
Copper	74.21		34.8		41.8	94	75-125		6010B
Iron	15650		14600		2090	53	75-125	W	6010B
Lead	116.9		81.1		41.8	86	75-125		6010B
Magnesium	5800		4100		2090	81	75-125		6010B
Manganese	230.7		204		41.8	64	75-125	W	6010B
Nickel	51.80		13.5		41.8	92	75-125		6010B
Potassium	2618		673		2090	93	75-125		6010B
Selenium	40.48		ND		41.8	97	75-125		6010B
Silver	9.38		ND		10.4	90	75-125		6010B
Sodium	2112		160		2090	93	75-125		6010B
Thallium	40.17		ND		41.8	96	75-125		6010B
Vanadium	51.99		14.9		41.8	89	75-125		6010B
Zinc	92.32		58.6		41.8	81	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 480-58875/2-A

Lab Name: TestAmerica Buffalo Job No.: 480-18292-1

Sample Matrix: Solid LCS Source: MED_SRM_D072_00001

Analyte	Solid(mg/Kg)							
	True	Found	C	%R	Limits		Q	Method
Aluminum	8380	6972		83	41	160		6010B
Antimony	106	102.2		97	25	275		6010B
Arsenic	109	112.5		103	70	134		6010B
Barium	206	192.9		94	73	127		6010B
Beryllium	88.1	89.64		102	74	126		6010B
Cadmium	80.1	84.36		105	73	127		6010B
Calcium	6690	6184		92	74	126		6010B
Chromium	117	113.3		97	70	130		6010B
Cobalt	127	133.9		106	74	125		6010B
Copper	117	122.1		104	75	125		6010B
Iron	12300	10090		82	31	170		6010B
Lead	76.1	78.79		104	69	131		6010B
Magnesium	2640	2527		96	64	136		6010B
Manganese	350	347.6		99	75	125		6010B
Nickel	71.1	74.96		105	71	129		6010B
Potassium	2960	2851		96	63	138		6010B
Selenium	127	133.9		106	67	134		6010B
Silver	40.9	39.38		96	66	134		6010B
Sodium	359	352.9		98	44	156		6010B
Thallium	266	286.1		108	70	130		6010B
Vanadium	86.0	82.64		96	63	137		6010B
Zinc	280	261.6		94	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 480-58653/2-A

Lab Name: TestAmerica Buffalo Job No.: 480-18292-1

Sample Matrix: Solid LCS Source: MEH_SRM_D071_00001

Analyte	Solid(mg/Kg)							
	True	Found	C	%R	Limits		Q	Method
Hg	3.77	4.53		120	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: 480-18292-5

SDG No:

Lab Name: TestAmerica Buffalo Job No: 480-18292-1

Matrix: Solid Concentration Units: mg/Kg

Analyte	Initial Sample Result (I)	C	Serial Dilution Result (S)	C	% Difference	Q	Method
Aluminum	4270		4378		2.6		6010B
Antimony	0.84	J	ND		NC		6010B
Arsenic	9.5		10.39	J	NC		6010B
Barium	72.2		75.57		4.6		6010B
Beryllium	0.30		0.282	J	NC		6010B
Cadmium	0.30		0.386	J	NC		6010B
Calcium	13400		13770		2.9		6010B
Chromium	9.5		9.85		4.2		6010B
Cobalt	3.2		3.12		1.3		6010B
Copper	34.8		34.95		0.48		6010B
Iron	14600		15610		7.2		6010B
Lead	81.1		80.33		1.0		6010B
Magnesium	4100		4196		2.3		6010B
Manganese	204		211.4		3.8		6010B
Nickel	13.5		13.89	J	2.6		6010B
Potassium	673		700.8		4.2		6010B
Selenium	ND		ND		NC		6010B
Silver	ND		ND		NC		6010B
Sodium	160		161.4	J	NC		6010B
Thallium	ND		ND		NC		6010B
Vanadium	14.9		15.01		0.52		6010B
Zinc	58.6		60.67		3.5		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: 480-18292-5

SDG No:

Lab Name: TestAmerica Buffalo Job No: 480-18292-1

Matrix: Solid Concentration Units: mg/Kg

Analyte	Initial Sample Result (I)	C	Serial Dilution Result (S)	C	% Difference	Q	Method
Hg	0.28		0.250		11	V	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: 480-18292-1

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: 480-18292-1

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: 480-18292-1

SDG Number:

Matrix: Solid Instrument ID: ICAP2

Method: 6010B MDL Date: 09/22/2010 00:00

Prep Method: 3050B

Analyte	Wavelength/ Mass	RL (mg/Kg)	MDL (mg/Kg)
Magnesium	279.079	20	0.927

9-IN
CALIBRATION BLANK DETECTION LIMITS
METALS

Lab Name: TestAmerica Buffalo Job Number: 480-18292-1

SDG Number:

Matrix: Solid Instrument ID: ICAP2

Method: 6010B XMDL Date: 02/23/2012 14:02

Analyte	Wavelength/ Mass	XRL (mg/L)	XMDL (mg/L)
Magnesium	279.079	0.2	0.0434

9-IN
DETECTION LIMITS
METALS

Lab Name: TestAmerica Buffalo Job Number: 480-18292-1

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: 480-18292-1

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: 480-18292-1

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: 480-18292-1

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: 480-18292-1

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: 480-18292-1

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: 480-18292-1

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: 480-18292-1

SDG No.:

ICP-AES Instrument ID: ICAP1 Date: 03/20/2012

Analyte	Wave Length	V	Zn												
Yttrium	224.306														
Zinc	206.200														

10-IN
ICP-AES INTERELEMENT CORRECTION FACTORS
METALS

Lab Name: TestAmerica Buffalo Job Number: 480-18292-1

SDG No.:

ICP-AES Instrument ID: ICAP2 Date: 03/20/2012

Analyte	Wave Length	Ag	Al	As	B	Ba	Be	Ca	Cd	Co	Cr	Cu	Fe	In	K
Aluminum	308.215														
Antimony	206.833										0.018190		-0.000046		
Arsenic	189.042										-0.020271				
Barium	455.403														
Beryllium	313.042														
Boron	208.959														
Cadmium	228.802			0.001798						0.000010					
Calcium	317.933														
Chromium	267.716														
Cobalt	228.616														
Copper	324.754										0.000052				
Indium	230.606														
Iron	271.441														
Lead	220.353		-0.000051										0.000027		
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							0.000010							
Sulfur	182.034														
Thallium	190.856									0.003629	0.000212				
Tin	189.989														
Titanium	334.904										0.000144				
Vanadium	292.402										-0.007488				

X-IN

10-IN
ICP-AES INTERELEMENT CORRECTION FACTORS
METALS

Lab Name: TestAmerica Buffalo Job Number: 480-18292-1

SDG No.:

ICP-AES Instrument ID: ICAP2 Date: 03/20/2012

Analyte	Wave Length	Ag	Al	As	B	Ba	Be	Ca	Cd	Co	Cr	Cu	Fe	In	K
Yttrium	224.306														
Zinc	206.200										-0.000575				

10-IN
ICP-AES INTERELEMENT CORRECTION FACTORS
METALS

Lab Name: TestAmerica Buffalo Job Number: 480-18292-1

SDG No.:

ICP-AES Instrument ID: ICAP2 Date: 03/20/2012

Analyte	Wave Length	Li	Mg	Mn	Mo	Na	Ni	Pb	S	Sb	Se	Si	Sn	Sr	Ti
Aluminum	308.215				0.022103										
Antimony	206.833				-0.000410										
Arsenic	189.042				-0.001494										
Barium	455.403														
Beryllium	313.042														
Boron	208.959				0.040544							0.000163			
Cadmium	228.802											0.000002			
Calcium	317.933						0.019200					0.000002			
Chromium	267.716			0.000108											
Cobalt	228.616				-0.000938		0.000114					-0.000007			0.001664
Copper	324.754														
Indium	230.606														
Iron	271.441														
Lead	220.353				-0.001776		0.000128					0.000098			-0.000656
Lithium	670.784														
Magnesium	279.079				-0.012866										
Manganese	257.610														
Molybdenum	202.030														
Nickel	231.604														
Potassium	766.490														
Selenium	196.090			0.000388											
Silicon	288.158														0.027413
Silver	328.068			0.000000											
Sodium	589.592														
Strontium	407.771														
Sulfur	182.034														
Thallium	190.856			0.000412											
Tin	189.989														-0.002827
Titanium	334.904				0.001550										
Vanadium	292.402			-0.001508											0.000940

X-IN

10-IN
ICP-AES INTERELEMENT CORRECTION FACTORS
METALS

Lab Name: TestAmerica Buffalo Job Number: 480-18292-1

SDG No.:

ICP-AES Instrument ID: ICAP2 Date: 03/20/2012

Analyte	Wave Length	Li	Mg	Mn	Mo	Na	Ni	Pb	S	Sb	Se	Si	Sn	Sr	Ti
Yttrium	224.306														
Zinc	206.200														

10-IN
ICP-AES INTERELEMENT CORRECTION FACTORS
METALS

Lab Name: TestAmerica Buffalo Job Number: 480-18292-1

SDG No.:

ICP-AES Instrument ID: ICAP2 Date: 03/20/2012

Analyte	Wave Length	Tl	V	Y	Zn										
Aluminum	308.215		0.035372												
Antimony	206.833														
Arsenic	189.042														
Barium	455.403														
Beryllium	313.042		0.000117												
Boron	208.959														
Cadmium	228.802		0.000048												
Calcium	317.933														
Chromium	267.716														
Cobalt	228.616														
Copper	324.754		-0.000166												
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		0.000092												
Sodium	589.592														
Strontium	407.771														
Sulfur	182.034														
Thallium	190.856		0.000833												
Tin	189.989														
Titanium	334.904														
Vanadium	292.402														

10-IN
ICP-AES INTERELEMENT CORRECTION FACTORS
METALS

Lab Name: TestAmerica Buffalo Job Number: 480-18292-1

SDG No.:

ICP-AES Instrument ID: ICAP2 Date: 03/20/2012

Analyte	Wave Length	Tl	V	Y	Zn										
Yttrium	224.306														
Zinc	206.200														

11-IN
LINEAR RANGES
METALS

Lab Name: TestAmerica Buffalo Job No: 480-18292-1

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

FORM XI - IN

11-IN
LINEAR RANGES
METALS

Lab Name: TestAmerica Buffalo Job No: 480-18292-1

SDG No.:

Instrument ID: ICAP2 Date: 03/20/2012 13:18

Analyte	Integ. Time (Sec.)	Concentration (mg/L)	Method
Magnesium	15	500 ~~250~~ mg/L LMH 4/20/12	6010B

FORM XI - IN

11-IN
LINEAR RANGES
METALS

Lab Name: TestAmerica Buffalo Job No: 480-18292-1

SDG No.:

Instrument ID: LEEMAN3 Date: 03/20/2012 10:08

Analyte	Integ. Time (Sec.)	Concentration (ug/L)	Method
Hg	10	10	7471A

FORM XI - IN

11-IN
LINEAR RANGES
METALS

Lab Name: TestAmerica Buffalo Job No: 480-18292-1

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: 480-18292-1

SDG No.:

Instrument ID: ICAP2 Date: 03/20/2012 13:18

Analyte	Integ. Time (Sec.)	Concentration (mg/L)	Method
Magnesium	15	250	6010B

11-IN
LINEAR RANGES
METALS

Lab Name: TestAmerica Buffalo Job No: 480-18292-1

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.: 480-18292-1

SDG No.:

Prep Method: 3050B

Lab Sample ID	Preparation Date	Prep Batch	Initial Weight (g)	Initial Volume	Final Volume (mL)
MB 480-58875/1-A	04/10/2012 10:10	58875	+0.4511		50
LCSSRM 480-58875/2-A	04/10/2012 10:10	58875	+0.5007		50
480-18292-1	04/10/2012 10:10	58875	+0.4994		50
480-18292-2	04/10/2012 10:10	58875	+0.5044		50
480-18292-3	04/10/2012 10:10	58875	+0.4979		50
480-18292-4	04/10/2012 10:10	58875	+0.5066		50
480-18292-5	04/10/2012 10:10	58875	+0.5362		50
480-18292-5 MS	04/10/2012 10:10	58875	+0.5292		50
480-18292-5 MSD	04/10/2012 10:10	58875	+0.4986		50
480-18292-6	04/10/2012 10:10	58875	+0.4655		50
480-18292-7	04/10/2012 10:10	58875	+0.5305		50
480-18292-8	04/10/2012 10:10	58875	+0.4865		50
480-18292-9	04/10/2012 10:10	58875	+0.5468		50
480-18292-10	04/10/2012 10:10	58875	+0.4965		50
480-18292-11	04/10/2012 10:10	58875	+0.4525		50

12-IN
PREPARATION LOG
METALS

Lab Name: TestAmerica Buffalo Job No.: 480-18292-1

SDG No.:

Prep Method: 7471A

Lab Sample ID	Preparation Date	Prep Batch	Initial Weight (g)	Initial Volume	Final Volume (mL)
MB 480-58653/1-A	04/09/2012 08:40	58653	+0.5559		50
LCSSRM 480-58653/2-A	04/09/2012 08:40	58653	+0.0558		50
480-18292-1	04/09/2012 08:40	58653	+0.6125		50
480-18292-2	04/09/2012 08:40	58653	+0.6581		50
480-18292-3	04/09/2012 08:40	58653	+0.5935		50
480-18292-4	04/09/2012 08:40	58653	+0.6373		50
480-18292-5	04/09/2012 08:40	58653	+0.5902		50
480-18292-5 MS	04/09/2012 08:40	58653	+0.5732		50
480-18292-5 MSD	04/09/2012 08:40	58653	+0.5915		50
480-18292-6	04/09/2012 08:40	58653	+0.5968		50
480-18292-7	04/09/2012 08:40	58653	+0.5559		50
480-18292-8	04/09/2012 08:40	58653	+0.5694		50
480-18292-9	04/09/2012 08:40	58653	+0.5579		50
480-18292-10	04/09/2012 08:40	58653	+0.6306		50
480-18292-11	04/09/2012 08:40	58653	+0.5562		50

13-IN
ANALYSIS RUN LOG
METALS

Lab Name: TestAmerica Buffalo Job No.: 480-18292-1

SDG No.:

Instrument ID: ICAP1 Method: 6010B

Start Date: 04/10/2012 17:03 End Date: 04/11/2012 00:17

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 480-59065/1			17:03	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
IC 480-59065/2			17:05	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
IC 480-59065/3			17:08	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
IC 480-59065/4			17:10	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
ICV 480-59065/5	1		17:12	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
ICB 480-59065/6	1		17:15	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
CRI 480-59065/7	1		17:17	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
ICSA 480-59065/8	1		17:19	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
ICSAB 480-59065/9	1		17:22	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
CCV 480-59065/10			17:24																				
CCB 480-59065/11			17:26																				
CCV 480-59065/12	1		22:49	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
CCB 480-59065/13	1		22:51	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
MB 480-58875/1-A	1	T	23:11	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
LCSSRM 480-58875/2-A	1	T	23:13	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
480-18292-1	1	T	23:16	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
CCV 480-59065/17	1		23:18	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
CCB 480-59065/18	1		23:20	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
480-18292-2	1	T	23:23	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
480-18292-3	1	T	23:25	X	X	X	X	X	X	X	X	X	X	X	X		X	X	X	X	X	X	X
480-18292-4	1	T	23:28	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
480-18292-5	1	T	23:30	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
480-18292-5 SD	5	T	23:32	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
480-18292-5 PDS	1	T	23:34	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
480-18292-5 MS	1	T	23:37	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
480-18292-5 MSD	1	T	23:39	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
480-18292-6	1	T	23:42	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
480-18292-7	1	T	23:44	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
CCV 480-59065/29	1		23:46	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
CCB 480-59065/30	1		23:48	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
480-18292-8	1	T	23:51	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
480-18292-9	1	T	23:53	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
480-18292-10	1	T	23:55	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
480-18292-11	1	T	23:57	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
ZZZZZZ			00:00																				
CCV 480-59065/36	1		00:14	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
CCB 480-59065/37	1		00:17	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X

13-IN
ANALYSIS RUN LOG
METALS

Lab Name: TestAmerica Buffalo Job No.: 480-18292-1

SDG No.:

Instrument ID: ICAP1 Method: 6010B

Start Date: 04/10/2012 17:03 End Date: 04/11/2012 00:17

Lab Sample ID	D / F	Type	Time	Analytes																			
				V	Zn																		
IC 480-59065/1			17:03	X	X																		
IC 480-59065/2			17:05	X	X																		
IC 480-59065/3			17:08	X	X																		
IC 480-59065/4			17:10	X	X																		
ICV 480-59065/5	1		17:12	X	X																		
ICB 480-59065/6	1		17:15	X	X																		
CRI 480-59065/7	1		17:17	X	X																		
ICSA 480-59065/8	1		17:19	X	X																		
ICSAB 480-59065/9	1		17:22	X	X																		
CCV 480-59065/10			17:24																				
CCB 480-59065/11			17:26																				
CCV 480-59065/12	1		22:49	X	X																		
CCB 480-59065/13	1		22:51	X	X																		
MB 480-58875/1-A	1	T	23:11	X	X																		
LCSSRM 480-58875/2-A	1	T	23:13	X	X																		
480-18292-1	1	T	23:16	X	X																		
CCV 480-59065/17	1		23:18	X	X																		
CCB 480-59065/18	1		23:20	X	X																		
480-18292-2	1	T	23:23	X	X																		
480-18292-3	1	T	23:25	X	X																		
480-18292-4	1	T	23:28	X	X																		
480-18292-5	1	T	23:30	X	X																		
480-18292-5 SD	5	T	23:32	X	X																		
480-18292-5 PDS	1	T	23:34	X	X																		
480-18292-5 MS	1	T	23:37	X	X																		
480-18292-5 MSD	1	T	23:39	X	X																		
480-18292-6	1	T	23:42	X	X																		
480-18292-7	1	T	23:44	X	X																		
CCV 480-59065/29	1		23:46	X	X																		
CCB 480-59065/30	1		23:48	X	X																		
480-18292-8	1	T	23:51	X	X																		
480-18292-9	1	T	23:53	X	X																		
480-18292-10	1	T	23:55	X	X																		
480-18292-11	1	T	23:57	X	X																		
ZZZZZZ			00:00																				
CCV 480-59065/36	1		00:14	X	X																		
CCB 480-59065/37	1		00:17	X	X																		

Prep Types

T = Total/NA

13-IN
ANALYSIS RUN LOG
METALS

Lab Name: TestAmerica Buffalo Job No.: 480-18292-1

SDG No.:

Instrument ID: ICAP2 Method: 6010B

Start Date: 04/12/2012 15:05 End Date: 04/12/2012 16:03

Lab Sample ID	D / F	Type	Time	Analytes																			
				Mg																			
IC 480-59415/1			15:05	X																			
IC 480-59415/2			15:07	X																			
IC 480-59415/3			15:10	X																			
IC 480-59415/4			15:11	X																			
ICV 480-59415/5	1		15:14	X																			
ICB 480-59415/6	1		15:16	X																			
CRI 480-59415/7	1		15:18	X																			
ICSA 480-59415/8	1		15:20	X																			
ICSAB 480-59415/9	1		15:22	X																			
CCV 480-59415/10			15:24																				
CCB 480-59415/11			15:26																				
CCV 480-59415/12	1		15:35	X																			
CCB 480-59415/13	1		15:37	X																			
480-18292-3	1	T	15:41	X																			
CCV 480-59415/15	1		16:01	X																			
CCB 480-59415/16	1		16:03	X																			

Prep Types

T = Total/NA

13-IN
ANALYSIS RUN LOG
METALS

Lab Name: TestAmerica Buffalo Job No.: 480-18292-1

SDG No.:

Instrument ID: LEEMAN3 Method: 7471A

Start Date: 04/09/2012 10:30 End Date: 04/09/2012 12:08

Lab Sample ID	D/F	Type	Time	Analytes																			
				Hg																			
ICV 480-58742/1	1		10:30	X																			
ICB 480-58742/2	1		10:31	X																			
CRA 480-58742/3	1		10:33	X																			
CCV 480-58742/4			10:34																				
CCB 480-58742/5			10:35																				
ZZZZZZ			10:37																				
ZZZZZZ			10:38																				
ZZZZZZ			10:39																				
ZZZZZZ			10:40																				
ZZZZZZ			10:41																				
ZZZZZZ			10:42																				
ZZZZZZ			10:44																				
ZZZZZZ			10:46																				
ZZZZZZ			10:47																				
ZZZZZZ			10:48																				
CCV 480-58742/16			10:50																				
CCB 480-58742/17			10:51																				
ZZZZZZ			10:52																				
ZZZZZZ			10:53																				
ZZZZZZ			10:54																				
ZZZZZZ			10:56																				
ZZZZZZ			10:57																				
ZZZZZZ			10:58																				
ZZZZZZ			10:59																				
ZZZZZZ			11:00																				
ZZZZZZ			11:02																				
ZZZZZZ			11:03																				
CCV 480-58742/28	1		11:05	X																			
CCB 480-58742/29	1		11:06	X																			
ZZZZZZ			11:08																				
ZZZZZZ			11:09																				
ZZZZZZ			11:10																				
ZZZZZZ			11:12																				
MB 480-58653/1-A	1	T	11:14	X																			
LCSSRM 480-58653/2-A	1	T	11:15	X																			
480-18292-1	1	T	11:17	X																			
480-18292-2	1	T	11:18	X																			
480-18292-3	1	T	11:19	X																			
480-18292-4	1	T	11:21	X																			
CCV 480-58742/40	1		11:22	X																			
CCB 480-58742/41	1		11:23	X																			
480-18292-5	1	T	11:24	X																			

13-IN
ANALYSIS RUN LOG
METALS

Lab Name: TestAmerica Buffalo Job No.: 480-18292-1

SDG No.:

Instrument ID: LEEMAN3 Method: 7471A

Start Date: 04/09/2012 10:30 End Date: 04/09/2012 12:08

Lab Sample ID	D / F	Type	Time	Analytes																			
				Hg																			
480-18292-5 SD	5	T	11:25	X																			
480-18292-5 MS	1	T	11:27	X																			
480-18292-5 MSD	1	T	11:28	X																			
480-18292-6	1	T	11:29	X																			
480-18292-7	1	T	11:31	X																			
480-18292-8	1	T	11:33	X																			
480-18292-9	1	T	11:34	X																			
480-18292-10	1	T	11:35	X																			
480-18292-11	1	T	11:37	X																			
CCV 480-58742/52	1		11:38	X																			
CCB 480-58742/53	1		11:40	X																			
ZZZZZZ			11:42																				
ZZZZZZ			11:43																				
ZZZZZZ			11:44																				
ZZZZZZ			11:46																				
ZZZZZZ			11:48																				
ZZZZZZ			11:49																				
ZZZZZZ			11:50																				
ZZZZZZ			11:51																				
ZZZZZZ			11:53																				
ZZZZZZ			12:00																				
CCV 480-58742/64			12:01																				
CCB 480-58742/65			12:02																				
ZZZZZZ			12:04																				
CRA 480-58742/67			12:05																				
CCV 480-58742/68			12:06																				
CCB 480-58742/69			12:08																				

Prep Types

T = Total/NA

Run File: I1041012A Instrument: ICAP 1

Analyst: AMH/MDM Data Review: LMH 4/11/12

Spikes IDs: 550211, 550210, 635129(Sn), 635131(Ag), 226744(TCLP), 635130(Si)
Pipette IDs: 01-20-12-(1-7,8,10,13,14)
Internal Standard: 674696

Seq#	Run File ID	Sample ID	Date / Time		Type
1	I1041012A	IC-665389	4/10/2012	5:03:38PM	Standard
2	I1041012A	IC-655655	4/10/2012	5:05:59PM	Standard
3	I1041012A	IC-655654	4/10/2012	5:08:15PM	Standard
4	I1041012A	IC-655653	4/10/2012	5:10:31PM	Standard
5	I1041012A	ICV-668707	4/10/2012	5:12:52PM	QC
6	I1041012A	ICB-665389	4/10/2012	5:15:10PM	QC
7	I1041012A	CRI-649194	4/10/2012	5:17:31PM	QC
8	I1041012A	ICSA-659146	4/10/2012	5:19:53PM	QC
9	I1041012A	ICSAB-662364	4/10/2012	5:22:12PM	QC
10	I1041012A	CCV-665391	4/10/2012	5:24:24PM	QC
11	I1041012A	CCB-665389	4/10/2012	5:26:41PM	QC
12	I1041012A	MB 480-58750/1-A	4/10/2012	5:29:02PM	Unknown
13	I1041012A	LCS 480-58750/2-A	4/10/2012	5:31:23PM	Unknown
14	I1041012A	480-18243-F-1-A	4/10/2012	5:33:44PM	Unknown
15	I1041012A	CCV	4/10/2012	5:36:09PM	QC
16	I1041012A	CCB	4/10/2012	5:38:30PM	QC
17	I1041012A	480-18239-A-1-A	4/10/2012	5:40:57PM	Unknown
18	I1041012A	480-18238-A-1-A	4/10/2012	5:43:18PM	Unknown
19	I1041012A	480-18240-D-1-A	4/10/2012	5:45:38PM	Unknown
20	I1041012A	480-18255-D-1-A	4/10/2012	5:47:57PM	Unknown
21	I1041012A	480-18255-D-2-A	4/10/2012	5:50:17PM	Unknown
22	I1041012A	480-18281-J-1-A	4/10/2012	5:52:35PM	Unknown
23	I1041012A	480-18281-J-1-A SD@5	4/10/2012	5:54:54PM	Unknown
24	I1041012A	480-18281-J-1-A PDS	4/10/2012	5:57:13PM	Unknown
25	I1041012A	480-18281-J-1-B MS	4/10/2012	5:59:32PM	Unknown
26	I1041012A	480-18281-J-1-C MSD	4/10/2012	6:01:53PM	Unknown
27	I1041012A	CCV	4/10/2012	6:04:15PM	QC
28	I1041012A	CCB	4/10/2012	6:06:32PM	QC
29	I1041012A	480-18281-J-2-A	4/10/2012	6:08:54PM	Unknown
30	I1041012A	480-18281-J-3-A	4/10/2012	6:11:17PM	Unknown
31	I1041012A	480-18281-J-4-A	4/10/2012	6:13:34PM	Unknown
32	I1041012A	480-18281-J-5-A	4/10/2012	6:15:52PM	Unknown
33	I1041012A	480-18281-J-6-A	4/10/2012	6:18:22PM	Unknown
34	I1041012A	480-18284-J-1-A	4/10/2012	6:20:39PM	Unknown
35	I1041012A	480-18122-E-1-C	4/10/2012	6:22:58PM	Unknown
36	I1041012A	480-18122-E-2-C	4/10/2012	6:25:18PM	Unknown
37	I1041012A	480-18122-E-3-C	4/10/2012	6:27:39PM	Unknown
38	I1041012A	480-18122-E-4-C	4/10/2012	6:29:59PM	Unknown
39	I1041012A	CCV	4/10/2012	6:32:22PM	QC
40	I1041012A	CCB	4/10/2012	6:34:37PM	QC
41	I1041012A	480-18103-J-2-D	4/10/2012	6:37:00PM	Unknown

42	I1041012A	480-18090-G-1-C	4/10/2012	6:39:24PM	Unknown
43	I1041012A	480-17988-A-4-B	4/10/2012	6:41:53PM	Unknown
44	I1041012A	MB 480-58751/1-A	4/10/2012	6:44:17PM	Unknown
45	I1041012A	LCS 480-58751/2-A	4/10/2012	6:46:38PM	Unknown
46	I1041012A	360-39885-H-3-B	4/10/2012	6:48:59PM	Unknown
47	I1041012A	480-18272-C-2-B	4/10/2012	6:51:38PM	Unknown
48	I1041012A	480-18272-C-2-B SD@5	4/10/2012	6:54:03PM	Unknown
49	I1041012A	480-18272-C-2-B PDS	4/10/2012	6:56:22PM	Unknown
50	I1041012A	480-18272-C-2-C MS	4/10/2012	6:58:43PM	Unknown
51	I1041012A	CCV	4/10/2012	7:01:07PM	QC
52	I1041012A	CCB	4/10/2012	7:03:24PM	QC
53	I1041012A	480-18272-C-2-D MSD	4/10/2012	7:05:47PM	Unknown
54	I1041012A	480-18297-H-1-B	4/10/2012	7:08:08PM	Unknown
55	I1041012A	480-18297-H-2-B	4/10/2012	7:10:27PM	Unknown
56	I1041012A	480-18297-H-3-B	4/10/2012	7:12:52PM	Unknown
57	I1041012A	480-18297-H-4-B	4/10/2012	7:15:10PM	Unknown
58	I1041012A	480-18296-M-1-A	4/10/2012	7:17:32PM	Unknown
59	I1041012A	480-18291-E-1-A	4/10/2012	7:20:00PM	Unknown
60	I1041012A	480-18291-E-2-A	4/10/2012	7:22:19PM	Unknown
61	I1041012A	480-18291-E-3-A	4/10/2012	7:24:39PM	Unknown
62	I1041012A	480-18294-E-1-A	4/10/2012	7:27:00PM	Unknown
63	I1041012A	CCV	4/10/2012	7:29:22PM	QC
64	I1041012A	CCB	4/10/2012	7:31:38PM	QC
65	I1041012A	480-18279-B-1-A	4/10/2012	7:34:02PM	Unknown
66	I1041012A	480-18279-B-2-A	4/10/2012	7:36:21PM	Unknown
67	I1041012A	480-18257-D-1-A	4/10/2012	7:38:38PM	Unknown
68	I1041012A	480-18258-E-1-B	4/10/2012	7:41:27PM	Unknown
69	I1041012A	480-18258-E-2-B	4/10/2012	7:43:53PM	Unknown
70	I1041012A	480-18235-K-1-B	4/10/2012	7:46:18PM	Unknown
71	I1041012A	480-18282-B-2-A	4/10/2012	7:48:42PM	Unknown
72	I1041012A	480-18234-G-4-B	4/10/2012	7:51:00PM	Unknown
73	I1041012A	480-18280-J-1-B	4/10/2012	7:53:22PM	Unknown
74	I1041012A	MB 480-58757/1-B	4/10/2012	7:55:49PM	Unknown
75	I1041012A	CCV	4/10/2012	7:58:12PM	QC
76	I1041012A	CCB	4/10/2012	8:00:28PM	QC
77	I1041012A	LCS 480-58757/2-B	4/10/2012	8:02:51PM	Unknown
78	I1041012A	480-18248-A-1-A	4/10/2012	8:05:13PM	Unknown
79	I1041012A	480-18248-A-2-A	4/10/2012	8:07:32PM	Unknown
80	I1041012A	480-18248-A-3-A	4/10/2012	8:09:50PM	Unknown
81	I1041012A	480-18248-A-3-A SD@5	4/10/2012	8:12:09PM	Unknown
82	I1041012A	480-18248-A-3-A PDS	4/10/2012	8:14:30PM	Unknown
83	I1041012A	480-18248-A-3-B MS	4/10/2012	8:16:49PM	Unknown
84	I1041012A	480-18248-A-3-C MSD	4/10/2012	8:19:10PM	Unknown
85	I1041012A	480-18248-A-4-A	4/10/2012	8:21:30PM	Unknown
86	I1041012A	480-18248-A-5-A	4/10/2012	8:23:49PM	Unknown
87	I1041012A	CCV	4/10/2012	8:26:11PM	QC
88	I1041012A	CCB	4/10/2012	8:28:26PM	QC
89	I1041012A	480-18248-A-6-A	4/10/2012	8:30:49PM	Unknown
90	I1041012A	480-18248-A-7-A	4/10/2012	8:33:08PM	Unknown
91	I1041012A	480-18248-A-8-A	4/10/2012	8:35:27PM	Unknown

92	I1041012A	480-18248-A-9-A	4/10/2012	8:37:45PM	Unknown
93	I1041012A	480-18248-A-10-A	4/10/2012	8:40:04PM	Unknown
94	I1041012A	480-18248-A-11-A	4/10/2012	8:42:21PM	Unknown
95	I1041012A	480-18248-A-12-A	4/10/2012	8:44:41PM	Unknown
96	I1041012A	480-18248-A-13-A	4/10/2012	8:46:59PM	Unknown
97	I1041012A	480-18248-A-14-A	4/10/2012	8:49:17PM	Unknown
98	I1041012A	480-18248-A-15-A	4/10/2012	8:51:36PM	Unknown
99	I1041012A	CCV	4/10/2012	8:53:57PM	QC
100	I1041012A	CCB	4/10/2012	8:56:14PM	QC
101	I1041012A	480-18248-A-16-A	4/10/2012	8:58:38PM	Unknown
102	I1041012A	480-18248-A-17-A	4/10/2012	9:00:58PM	Unknown
103	I1041012A	480-18248-A-18-A	4/10/2012	9:03:16PM	Unknown
104	I1041012A	480-18282-B-1-A	4/10/2012	9:05:34PM	Unknown
105	I1041012A	480-18282-C-2-A	4/10/2012	9:07:58PM	Unknown
106	I1041012A	MB 480-58757/3-B	4/10/2012	9:10:15PM	Unknown
107	I1041012A	LCS 480-58757/4-B	4/10/2012	9:12:51PM	Unknown
108	I1041012A	480-18253-B-2-A	4/10/2012	9:15:38PM	Unknown
109	I1041012A	480-18253-B-3-A	4/10/2012	9:18:16PM	Unknown
110	I1041012A	480-18253-B-4-A	4/10/2012	9:20:45PM	Unknown
111	I1041012A	CCV	4/10/2012	9:23:14PM	QC
112	I1041012A	CCB	4/10/2012	9:25:35PM	QC
113	I1041012A	480-18253-B-5-A	4/10/2012	9:28:02PM	Unknown
114	I1041012A	480-18253-B-6-A	4/10/2012	9:30:23PM	Unknown
115	I1041012A	480-18253-B-7-A	4/10/2012	9:32:44PM	Unknown
116	I1041012A	480-18281-K-1-A	4/10/2012	9:35:03PM	Unknown
117	I1041012A	480-18281-K-2-A	4/10/2012	9:37:22PM	Unknown
118	I1041012A	480-18281-K-3-A	4/10/2012	9:39:40PM	Unknown
119	I1041012A	480-18281-K-3-A SD@5	4/10/2012	9:41:59PM	Unknown
120	I1041012A	480-18281-K-3-A PDS	4/10/2012	9:44:17PM	Unknown
121	I1041012A	480-18281-K-3-B MS	4/10/2012	9:46:34PM	Unknown
122	I1041012A	480-18281-K-3-C MSD	4/10/2012	9:48:55PM	Unknown
123	I1041012A	CCV	4/10/2012	9:51:16PM	QC
124	I1041012A	CCB	4/10/2012	9:53:31PM	QC
125	I1041012A	480-18281-K-4-A	4/10/2012	9:55:54PM	Unknown
126	I1041012A	480-18281-K-5-A	4/10/2012	9:58:18PM	Unknown
127	I1041012A	480-18281-K-6-A	4/10/2012	10:00:43PM	Unknown
128	I1041012A	480-18283-G-1-A	4/10/2012	10:02:59PM	Unknown
129	I1041012A	480-18283-G-2-A	4/10/2012	10:05:14PM	Unknown
130	I1041012A	480-18287-B-1-A	4/10/2012	10:07:27PM	Unknown
131	I1041012A	480-18287-B-2-A	4/10/2012	10:09:56PM	Unknown
132	I1041012A	480-18287-B-3-A	4/10/2012	10:12:26PM	Unknown
133	I1041012A	480-18287-B-4-A	4/10/2012	10:14:53PM	Unknown
134	I1041012A	480-18282-B-3-A	4/10/2012	10:17:25PM	Unknown
135	I1041012A	CCV	4/10/2012	10:19:51PM	QC
136	I1041012A	CCB	4/10/2012	10:22:13PM	QC
137	I1041012A	MB 480-58757/7-B	4/10/2012	10:25:02PM	Unknown
138	I1041012A	LCS 480-58757/8-B	4/10/2012	10:27:45PM	Unknown
139	I1041012A	480-18231-E-2-B	4/10/2012	10:30:12PM	Unknown
140	I1041012A	480-18231-E-3-D	4/10/2012	10:32:47PM	Unknown
141	I1041012A	480-18231-E-3-D SD@5	4/10/2012	10:35:13PM	Unknown

142	I1041012A	480-18231-E-3-D PDS	4/10/2012	10:37:25PM	Unknown
143	I1041012A	480-18231-E-3-E MS	4/10/2012	10:39:45PM	Unknown
144	I1041012A	480-18231-E-3-F MSD	4/10/2012	10:42:02PM	Unknown
145	I1041012A	480-18231-E-4-B	4/10/2012	10:44:24PM	Unknown
146	I1041012A	480-17367-A-8-M	4/10/2012	10:46:52PM	Unknown
147	I1041012A	CCV	4/10/2012	10:49:16PM	QC
148	I1041012A	CCB	4/10/2012	10:51:31PM	QC
149	I1041012A	MB 480-58723/1-A	4/10/2012	10:53:50PM	Unknown
150	I1041012A	LCS 480-58723/2-A	4/10/2012	10:56:09PM	Unknown
151	I1041012A	480-18202-B-1-E	4/10/2012	10:58:24PM	Unknown
152	I1041012A	480-18202-B-1-E SD@5	4/10/2012	11:00:41PM	Unknown
153	I1041012A	480-18202-B-1-E PDS	4/10/2012	11:02:59PM	Unknown
154	I1041012A	480-18202-B-1-F MS	4/10/2012	11:05:45PM	Unknown
155	I1041012A	480-18202-B-1-G MSD	4/10/2012	11:08:35PM	Unknown
156	I1041012A	MB 480-58875/1-A	4/10/2012	11:11:09PM	Unknown
157	I1041012A	LCSSRM 480-58875/2-A	4/10/2012	11:13:42PM	Unknown
158	I1041012A	480-18292-A-1-A	4/10/2012	11:16:07PM	Unknown
159	I1041012A	CCV	4/10/2012	11:18:31PM	QC
160	I1041012A	CCB	4/10/2012	11:20:49PM	QC
161	I1041012A	480-18292-A-2-A	4/10/2012	11:23:18PM	Unknown
162	I1041012A	480-18292-A-3-A	4/10/2012	11:25:39PM	Unknown
163	I1041012A	480-18292-A-4-A	4/10/2012	11:28:04PM	Unknown
164	I1041012A	480-18292-A-5-A	4/10/2012	11:30:16PM	Unknown
165	I1041012A	480-18292-A-5-A SD@5	4/10/2012	11:32:32PM	Unknown
166	I1041012A	480-18292-A-5-A PDS	4/10/2012	11:34:46PM	Unknown
167	I1041012A	480-18292-A-5-B MS	4/10/2012	11:37:06PM	Unknown
168	I1041012A	480-18292-A-5-C MSD	4/10/2012	11:39:33PM	Unknown
169	I1041012A	480-18292-A-6-C	4/10/2012	11:42:07PM	Unknown
170	I1041012A	480-18292-A-7-A	4/10/2012	11:44:25PM	Unknown
171	I1041012A	CCV	4/10/2012	11:46:42PM	QC
172	I1041012A	CCB	4/10/2012	11:48:53PM	QC
173	I1041012A	480-18292-A-8-A	4/10/2012	11:51:11PM	Unknown
174	I1041012A	480-18292-A-9-C	4/10/2012	11:53:28PM	Unknown
175	I1041012A	480-18292-A-10-A	4/10/2012	11:55:43PM	Unknown
176	I1041012A	480-18292-A-11-A	4/10/2012	11:57:59PM	Unknown
177	I1041012A	480-18256-A-2-B	4/11/2012	12:00:17AM	Unknown
178	I1041012A	480-18106-A-6-B	4/11/2012	12:02:36AM	Unknown
179	I1041012A	480-18106-A-11-A	4/11/2012	12:05:15AM	Unknown
180	I1041012A	480-18106-A-12-A	4/11/2012	12:07:49AM	Unknown
181	I1041012A	MB 480-58146/27-B	4/11/2012	12:10:17AM	Unknown
182	I1041012A	LCS 480-58146/28-B	4/11/2012	12:12:32AM	Unknown
183	I1041012A	CCV	4/11/2012	12:14:49AM	QC
184	I1041012A	CCB	4/11/2012	12:17:01AM	QC
185	I1041012A	480-17969-G-1-B	4/11/2012	12:19:20AM	Unknown
186	I1041012A	480-18214-3 DIS RAW	4/11/2012	12:21:37AM	Unknown
187	I1041012A	480-18219-4 DIS RAW	4/11/2012	12:23:57AM	Unknown
188	I1041012A	480-18219-8 DIS RAW	4/11/2012	12:26:11AM	Unknown
189	I1041012A	MB 480-58460/1-A	4/11/2012	12:28:21AM	Unknown
190	I1041012A	LCS 480-58460/2-A	4/11/2012	12:30:37AM	Unknown
191	I1041012A	480-18189-A-1-A	4/11/2012	12:33:38AM	Unknown

192	I1041012A	480-18189-A-2-A	4/11/2012	12:36:46AM	Unknown
193	I1041012A	480-18189-A-2-A SD@5	4/11/2012	12:39:32AM	Unknown
194	I1041012A	480-18189-A-2-A PDS	4/11/2012	12:42:08AM	Unknown
195	I1041012A	CCV	4/11/2012	12:44:48AM	QC
196	I1041012A	CCB	4/11/2012	12:47:11AM	QC
197	I1041012A	480-18189-A-2-B MS	4/11/2012	12:49:38AM	Unknown
198	I1041012A	480-18189-A-2-C MSD	4/11/2012	12:52:07AM	Unknown
199	I1041012A	480-18176-1 TOT RAW	4/11/2012	12:54:37AM	Unknown
200	I1041012A	480-18176-5 TOT RAW	4/11/2012	12:57:06AM	Unknown
201	I1041012A	480-18176-6 TOT RAW	4/11/2012	12:59:29AM	Unknown
202	I1041012A	480-18176-8 TOT RAW	4/11/2012	1:01:46AM	Unknown
203	I1041012A	480-18176-9 TOT RAW	4/11/2012	1:04:06AM	Unknown
204	I1041012A	480-18176-14 TOT RAW	4/11/2012	1:06:27AM	Unknown
205	I1041012A	480-18176-15 TOT RAW	4/11/2012	1:08:51AM	Unknown
206	I1041012A	480-18176-F-1-A	4/11/2012	1:11:18AM	Unknown
207	I1041012A	CCV	4/11/2012	1:13:50AM	QC
208	I1041012A	CCB	4/11/2012	1:16:09AM	QC
209	I1041012A	480-18176-F-6-A	4/11/2012	1:18:35AM	Unknown
210	I1041012A	480-18176-F-15-A	4/11/2012	1:20:56AM	Unknown
211	I1041012A	480-18216-G-3-A	4/11/2012	1:23:16AM	Unknown
212	I1041012A	480-18216-G-7-A	4/11/2012	1:25:35AM	Unknown
213	I1041012A	480-18204-1 DIS RAW	4/11/2012	1:27:58AM	Unknown
214	I1041012A	480-18204-7 DIS RAW	4/11/2012	1:30:27AM	Unknown
215	I1041012A	480-18215-1 DIS RAW	4/11/2012	1:32:50AM	Unknown
216	I1041012A	480-18215-3 DIS RAW	4/11/2012	1:35:06AM	Unknown
217	I1041012A	480-18215-5 DIS RAW	4/11/2012	1:37:27AM	Unknown
218	I1041012A	480-18138-B-1-C	4/11/2012	1:39:45AM	Unknown
219	I1041012A	CCV	4/11/2012	1:42:17AM	QC
220	I1041012A	CCB	4/11/2012	1:44:31AM	QC
221	I1041012A	480-18138-B-1-C@2	4/11/2012	1:47:03AM	Unknown
222	I1041012A	480-18229-A-1-A@5	4/11/2012	1:49:44AM	Unknown
223	I1041012A	480-18161-1 TOT RAW	4/11/2012	1:52:14AM	Unknown
224	I1041012A	480-18188-1 TOT RAW	4/11/2012	1:54:34AM	Unknown
225	I1041012A	480-18188-4 TOT RAW	4/11/2012	1:56:56AM	Unknown
226	I1041012A	480-18188-5 TOT RAW	4/11/2012	1:59:23AM	Unknown
227	I1041012A	480-18207-1 TOT RAW	4/11/2012	2:01:43AM	Unknown
228	I1041012A	MB 480-58646/1-A	4/11/2012	2:04:08AM	Unknown
229	I1041012A	LCS 480-58646/2-A	4/11/2012	2:06:34AM	Unknown
230	I1041012A	480-18218-E-1-A	4/11/2012	2:08:55AM	Unknown
231	I1041012A	CCV	4/11/2012	2:11:15AM	QC
232	I1041012A	CCB	4/11/2012	2:13:30AM	QC
233	I1041012A	480-18218-E-2-A	4/11/2012	2:15:53AM	Unknown
234	I1041012A	480-18218-E-3-A	4/11/2012	2:18:08AM	Unknown
235	I1041012A	MB 480-58645/1-A	4/11/2012	2:20:23AM	Unknown
236	I1041012A	480-18220-N-1-A	4/11/2012	2:22:41AM	Unknown
237	I1041012A	480-18220-N-2-A	4/11/2012	2:24:58AM	Unknown
238	I1041012A	480-18220-N-3-A	4/11/2012	2:27:16AM	Unknown
239	I1041012A	480-18220-N-4-A	4/11/2012	2:29:34AM	Unknown
240	I1041012A	480-18220-N-5-A	4/11/2012	2:31:52AM	Unknown
241	I1041012A	480-18220-N-6-A	4/11/2012	2:34:10AM	Unknown

242	I1041012A	480-18205-1 TOT RAW	4/11/2012	2:36:26AM	Unknown
243	I1041012A	CCV	4/11/2012	2:38:47AM	QC
244	I1041012A	CCB	4/11/2012	2:40:58AM	QC
245	I1041012A	480-18213-2 TOT RAW	4/11/2012	2:43:17AM	Unknown
246	I1041012A	480-18213-3 TOT RAW	4/11/2012	2:45:39AM	Unknown
247	I1041012A	CRI-649194	4/11/2012	2:47:59AM	QC
248	I1041012A	ICSA-659146	4/11/2012	2:50:19AM	QC
249	I1041012A	ICSAB-662364	4/11/2012	2:52:34AM	QC
250	I1041012A	CCV	4/11/2012	2:54:45AM	QC
251	I1041012A	CCB	4/11/2012	2:57:23AM	QC

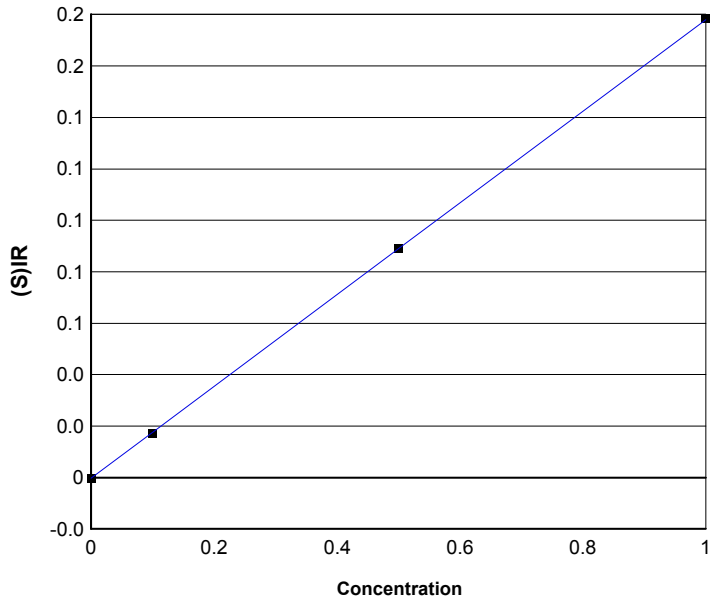
I1041012A

Author: AMH/MDM

Published: 4/11/2012 8:51:45AM

Instrument Name: ICAP 1 Serial Number: 20094603

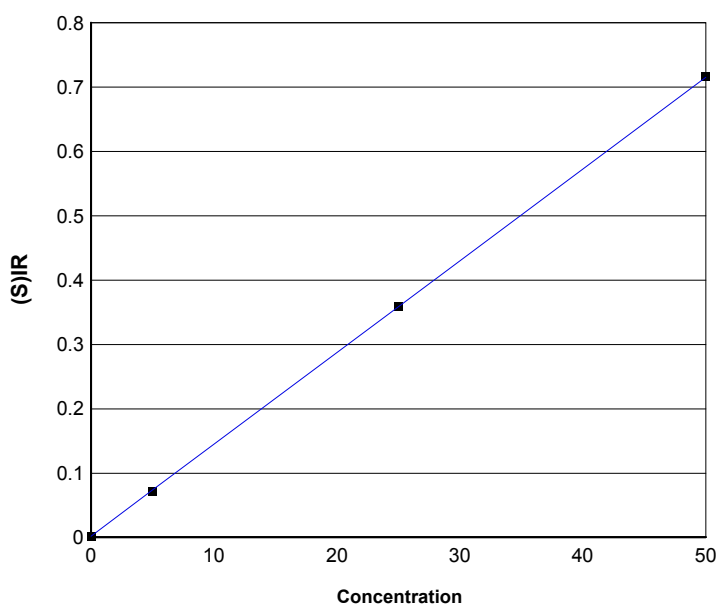
Method Name: ICAP1 (262)



Element Name:	Ag
Element Wavelength:	Ag 328.068 nm
Concentration Units:	ppm
Date of Calibration:	4/10/2012 5:12:47PM
Date of Fit:	4/10/2012 5:12:47PM
Type of Fit:	Linear
Correlation:	0.99998
A0 (Offset):	-0.00020654
A1 (Gain):	0.17818
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

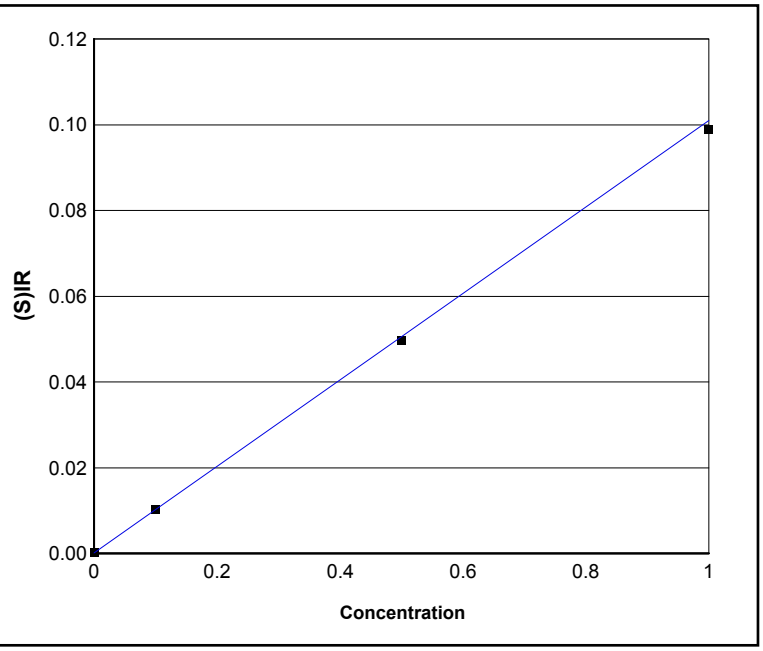
Standard Name	Stated	Found	Diff	% Diff	(S)IR	Stddev	Emphasis
IC1	0.00000	0.0000000000	0.0000021030	0.00000	-0.00020616	0.00021492	1
IC4	1.0000	1.0000	0.0025146	0.25146	0.17846	0.00023875	1
IC2	0.10000	0.100000	-0.0023144	-2.3144	0.017203	0.00011443	1
IC3	0.50000	0.50000	-0.00020019	-0.040039	0.088867	0.0000023335	1



Element Name:	Al
Element Wavelength:	Al 308.215 nm
Concentration Units:	ppm
Date of Calibration:	4/10/2012 5:12:47PM
Date of Fit:	4/10/2012 5:12:47PM
Type of Fit:	Linear
Correlation:	0.99998
A0 (Offset):	0.0020804
A1 (Gain):	0.014271
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

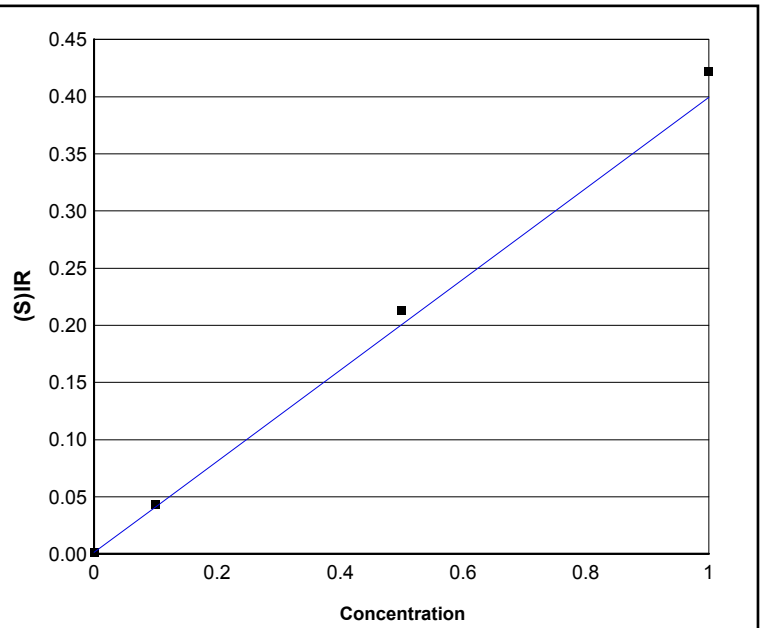
Standard Name	Stated	Found	Diff	% Diff	(S)IR	Stddev	Emphasis
IC1	0.00000	0.00000000	0.00010337	0.00000	0.0020819	0.00037756	1
IC4	50.000	50.120	0.11726	0.23452	0.71728	0.0015193	1
IC2	5.0000	4.8900	-0.11455	-2.2910	0.071799	0.0012573	1
IC3	25.000	25.000	-0.0027055	-0.010822	0.35881	0.00096183	1



Element Name:	As
Element Wavelength:	As 189.042 nm
Concentration Units:	ppm
Date of Calibration:	4/10/2012 5:12:47PM
Date of Fit:	4/10/2012 5:12:47PM
Type of Fit:	Linear
Correlation:	0.99997
A0 (Offset):	0.00012750
A1 (Gain):	0.10088
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

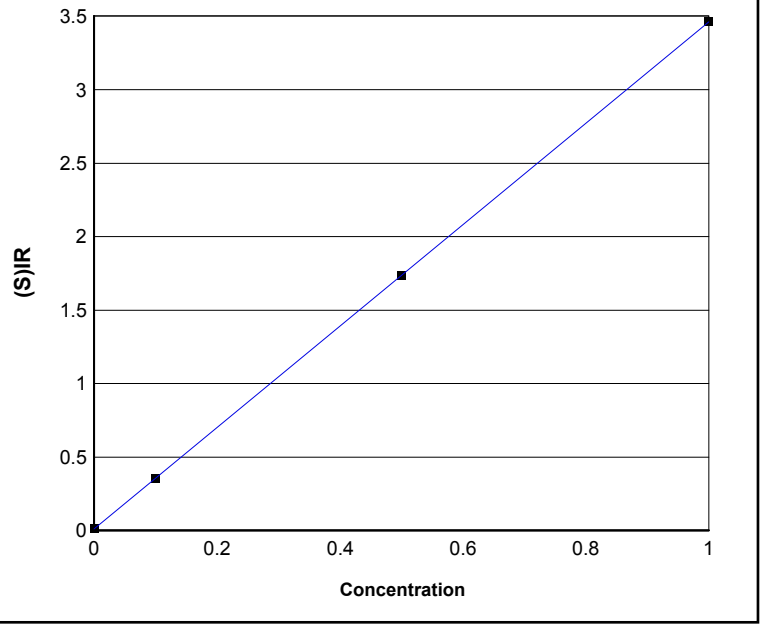
Standard Name	Stated	Found	Diff	% Diff	(S)IR	Stddev	Emphasis
IC1	0.00000	0.0000000000	-0.0000024847	0.00000	0.00012725	0.00020483	1
IC4	1.0000	1.00000	-0.0024429	-0.24429	0.098968	0.00041924	1
IC2	0.10000	0.10000	0.0028005	2.8005	0.010319	0.000042149	1
IC3	0.50000	0.50000	-0.00035763	-0.071526	0.049635	0.000060826	1



Element Name:	B
Element Wavelength:	B 208.959 nm
Concentration Units:	ppm
Date of Calibration:	4/10/2012 5:12:47PM
Date of Fit:	4/10/2012 5:12:47PM
Type of Fit:	Linear
Correlation:	1.00000
A0 (Offset):	0.0014188
A1 (Gain):	0.39795
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

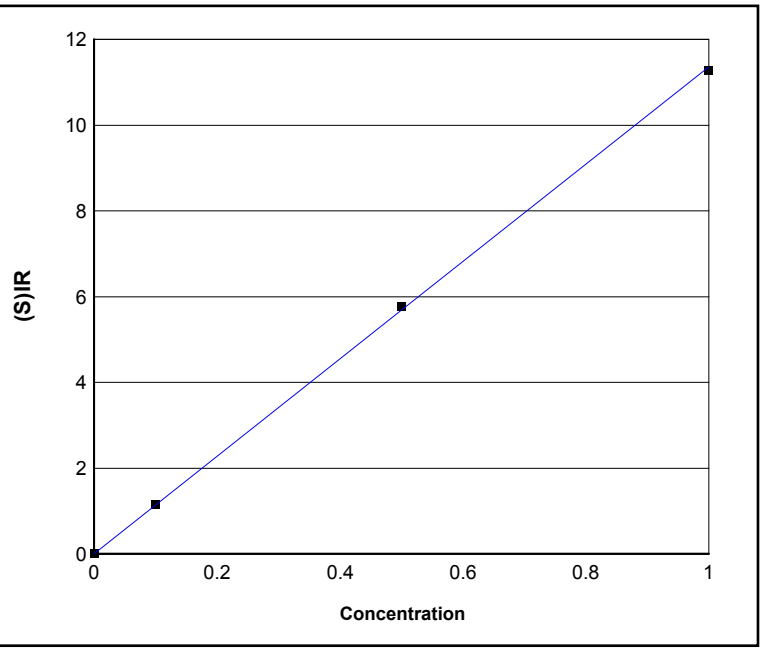
Standard Name	Stated	Found	Diff	% Diff	(S)IR	Stddev	Emphasis
IC1	0.00000	0.0000000000	-0.0000003022	0.00000	0.0014187	0.00013791	1
IC4	1.0000	1.00000	-0.0022355	-0.22355	0.42210	0.0015085	1
IC2	0.10000	0.10000	0.000098326	0.098326	0.043615	0.00030838	1
IC3	0.50000	0.50000	0.0021372	0.42744	0.21306	0.0011928	1



Element Name:	Ba
Element Wavelength:	Ba 455.403 nm
Concentration Units:	ppm
Date of Calibration:	4/10/2012 5:12:47PM
Date of Fit:	4/10/2012 5:12:47PM
Type of Fit:	Linear
Correlation:	1.00000
A0 (Offset):	0.011648
A1 (Gain):	3.4491
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

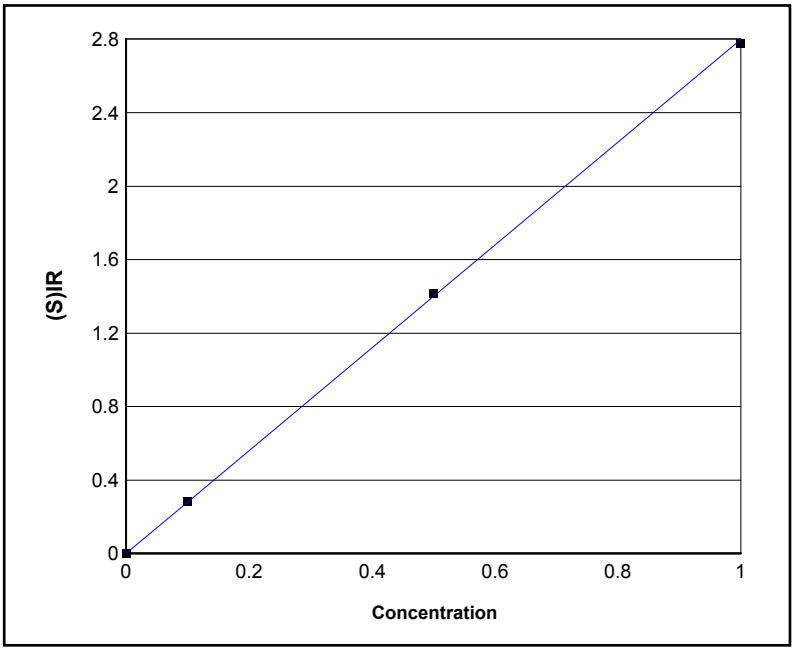
Standard Name	Stated	Found	Diff	% Diff	(S)IR	Stddev	Emphasis
IC1	0.00000	0.0000000000	0.0000009749	0.00000	0.011651	0.00085758	1
IC4	1.0000	1.0000	0.00084534	0.084534	3.4637	0.010969	1
IC2	0.10000	0.100000	-0.0011129	-1.1129	0.35272	0.0032545	1
IC3	0.50000	0.50000	0.00026758	0.053517	1.7371	0.0043186	1



Element Name:	Ba
Element Wavelength:	Ba 455.403 nm
Concentration Units:	ppm
Date of Calibration:	4/10/2012 5:12:47PM
Date of Fit:	4/10/2012 5:12:47PM
Type of Fit:	Linear
Correlation:	0.99994
A0 (Offset):	0.0032412
A1 (Gain):	11.364
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

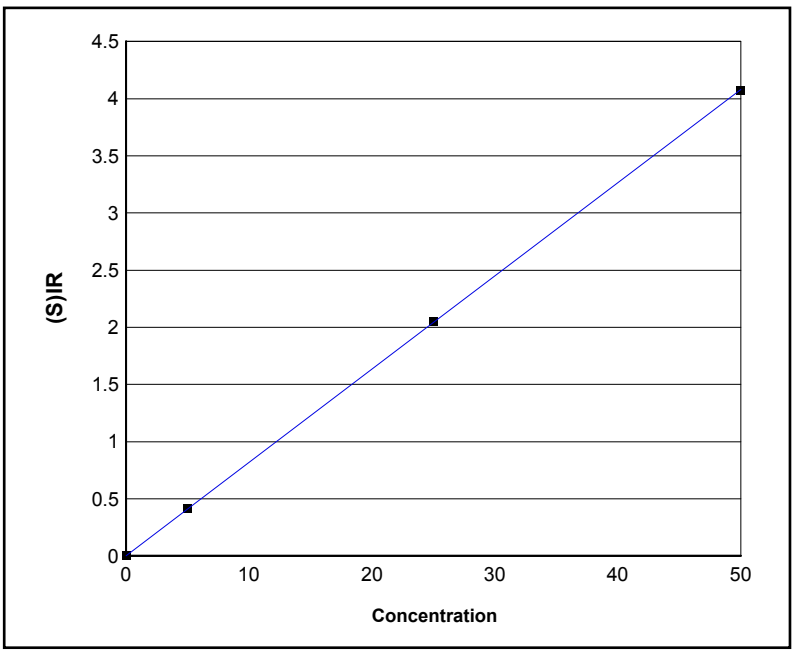
Standard Name	Stated	Found	Diff	% Diff	(S)IR	Stddev	Emphasis
IC1	0.00000	0.0000000000	-0.0000012028	0.00000	0.0032275	0.00016201	1
IC4	1.0000	0.99000	-0.0082639	-0.82639	11.274	0.19563	1
IC2	0.10000	0.10000	0.00047056	0.47056	1.1450	0.0041282	1
IC3	0.50000	0.51000	0.0077933	1.5587	5.7740	0.0089126	1



Element Name:	Be
Element Wavelength:	Be 313.042 nm
Concentration Units:	ppm
Date of Calibration:	4/10/2012 5:12:47PM
Date of Fit:	4/10/2012 5:12:47PM
Type of Fit:	Linear
Correlation:	0.99995
A0 (Offset):	0.00013114
A1 (Gain):	2.7982
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

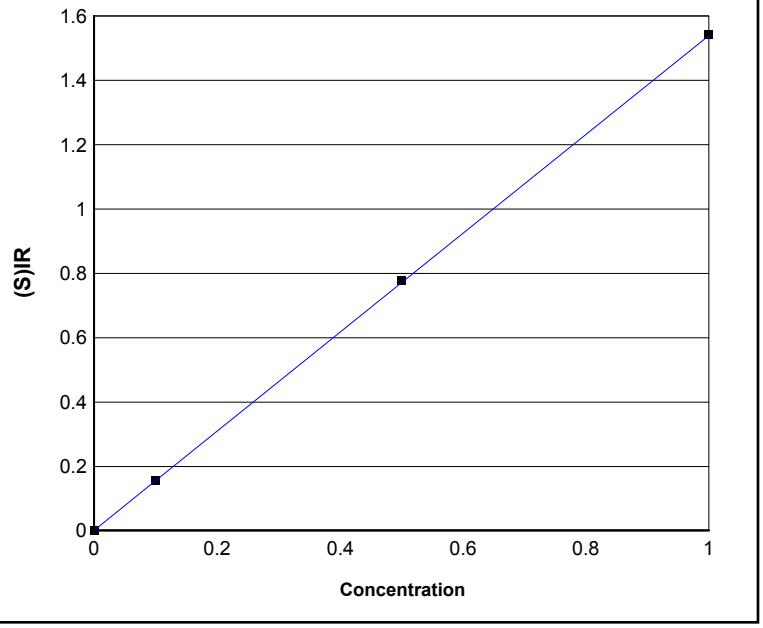
Standard Name	Stated	Found	Diff	% Diff	(S)IR	Stddev	Emphasis
IC1	0.00000	0.0000000000	-0.0000020235	0.00000	0.00012548	0.00017823	1
IC4	1.0000	0.99000	-0.0079701	-0.79701	2.7754	0.0064680	1
IC2	0.10000	0.10000	0.0015332	1.5332	0.28418	0.0019479	1
IC3	0.50000	0.51000	0.0064369	1.2874	1.4170	0.0039897	1



Element Name:	Ca
Element Wavelength:	Ca 317.933 nm
Concentration Units:	ppm
Date of Calibration:	4/10/2012 5:12:47PM
Date of Fit:	4/10/2012 5:12:47PM
Type of Fit:	Linear
Correlation:	0.99999
A0 (Offset):	0.0029290
A1 (Gain):	0.081580
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

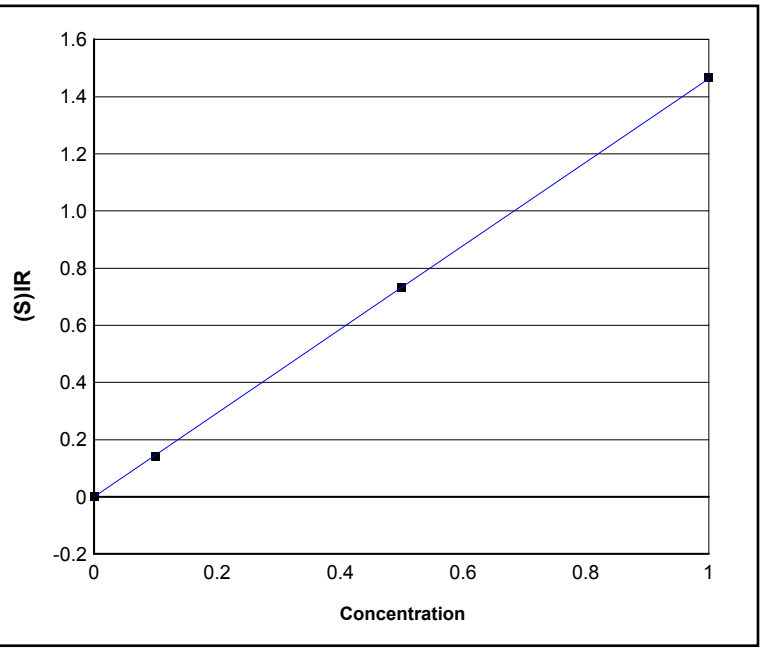
Standard Name	Stated	Found	Diff	% Diff	(S)IR	Stddev	Emphasis
IC1	0.00000	0.000000000	-0.000039866	0.00000	0.0029258	0.00031022	1
IC4	50.000	49.840	-0.15967	-0.31934	4.0689	0.031514	1
IC2	5.0000	5.0300	0.029874	0.59749	0.41326	0.00023479	1
IC3	25.000	25.130	0.12979	0.51918	2.0530	0.0061673	1



Element Name:	Cd
Element Wavelength:	Cd 228.802 nm
Concentration Units:	ppm
Date of Calibration:	4/10/2012 5:12:47PM
Date of Fit:	4/10/2012 5:12:47PM
Type of Fit:	Linear
Correlation:	1.00000
A0 (Offset):	0.0012641
A1 (Gain):	1.5387
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

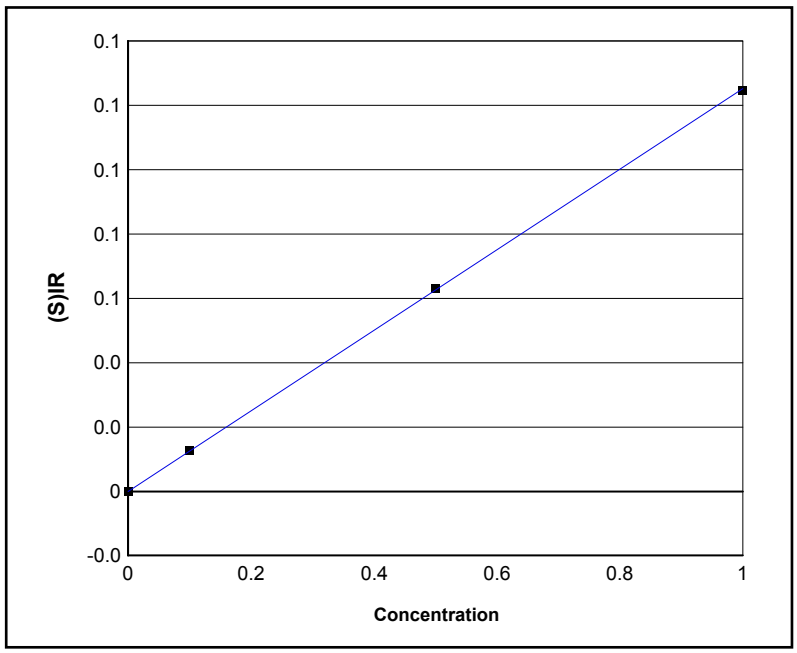
Standard Name	Stated	Found	Diff	% Diff	(S)IR	Stddev	Emphasis
IC1	0.00000	0.0000000000	-0.0000007590	0.00000	0.0012629	0.00010725	1
IC4	1.0000	1.00000	-0.0023383	-0.23383	1.5434	0.010057	1
IC2	0.10000	0.10000	0.00065643	0.65643	0.15684	0.00069736	1
IC3	0.50000	0.50000	0.0016818	0.33637	0.77671	0.0048208	1



Element Name:	Co
Element Wavelength:	Co 228.616 nm
Concentration Units:	ppm
Date of Calibration:	4/10/2012 5:12:47PM
Date of Fit:	4/10/2012 5:12:47PM
Type of Fit:	Linear
Correlation:	0.99998
A0 (Offset):	-0.00014190
A1 (Gain):	1.4639
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

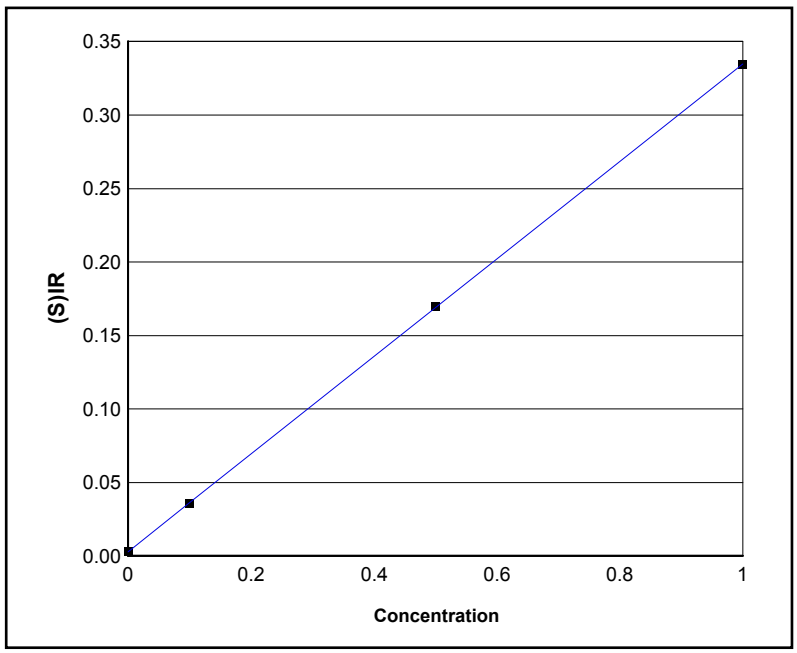
Standard Name	Stated	Found	Diff	% Diff	(S)IR	Stddev	Emphasis
IC1	0.00000	0.0000000000	0.0000022827	0.00000	-0.00013856	0.00016007	1
IC4	1.0000	1.0000	0.0019752	0.19752	1.4673	0.014970	1
IC2	0.10000	0.100000	-0.0026065	-2.6065	0.14250	0.0010517	1
IC3	0.50000	0.50000	0.00063135	0.12627	0.73308	0.0074736	1



Element Name:	Cr
Element Wavelength:	Cr 267.716 nm
Concentration Units:	ppm
Date of Calibration:	4/10/2012 5:12:47PM
Date of Fit:	4/10/2012 5:12:47PM
Type of Fit:	Linear
Correlation:	0.99998
A0 (Offset):	-0.000021949
A1 (Gain):	0.12529
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

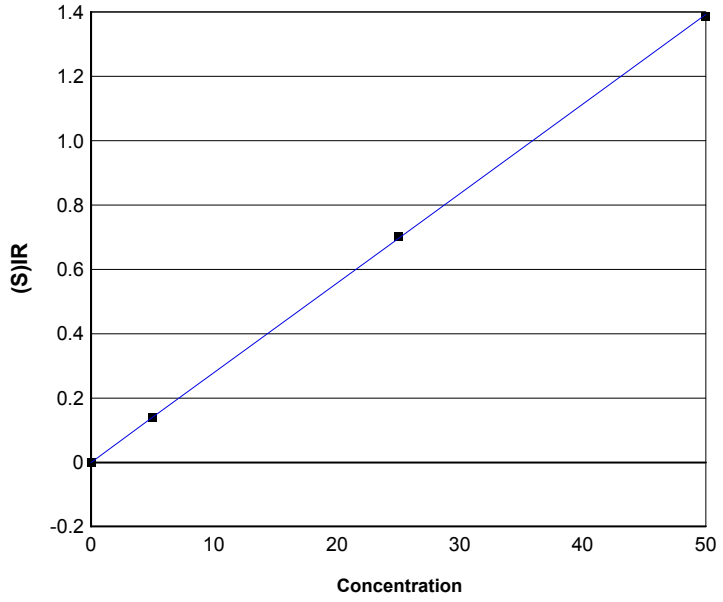
Standard Name	Stated	Found	Diff	% Diff	(S)IR	Stddev	Emphasis
IC1	0.00000	0.0000000000	-0.0000016940	0.00000	-0.000022161	0.000035345	1
IC4	1.0000	1.00000	-0.0048436	-0.48436	0.12471	0.000097582	1
IC2	0.10000	0.10000	0.0015121	1.5121	0.012702	0.000085611	1
IC3	0.50000	0.50000	0.0033316	0.66631	0.063066	0.000033529	1



Element Name:	Cu
Element Wavelength:	Cu 324.754 nm
Concentration Units:	ppm
Date of Calibration:	4/10/2012 5:12:47PM
Date of Fit:	4/10/2012 5:12:47PM
Type of Fit:	Linear
Correlation:	0.99999
A0 (Offset):	0.0029519
A1 (Gain):	0.33168
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

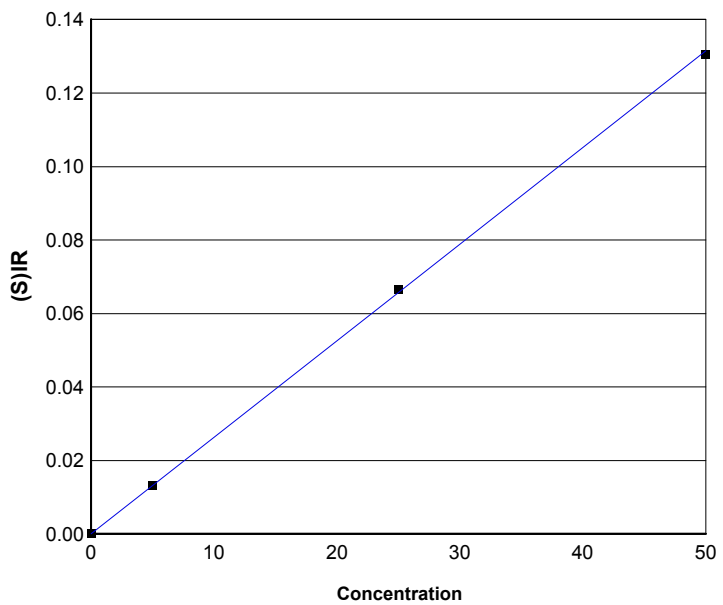
Standard Name	Stated	Found	Diff	% Diff	(S)IR	Stddev	Emphasis
IC1	0.00000	0.0000000000	0.0000009608	0.00000	0.0029522	0.000061222	1
IC4	1.0000	1.00000	-0.0012765	-0.12765	0.33421	0.00069701	1
IC2	0.10000	0.100000	-0.0013606	-1.3606	0.035669	0.000019353	1
IC3	0.50000	0.50000	0.0026371	0.52743	0.16967	0.0010535	1



Element Name:	Fe
Element Wavelength:	Fe 259.940 nm
Concentration Units:	ppm
Date of Calibration:	4/10/2012 5:12:47PM
Date of Fit:	4/10/2012 5:12:47PM
Type of Fit:	Linear
Correlation:	0.99998
A0 (Offset):	-0.00010806
A1 (Gain):	0.027864
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

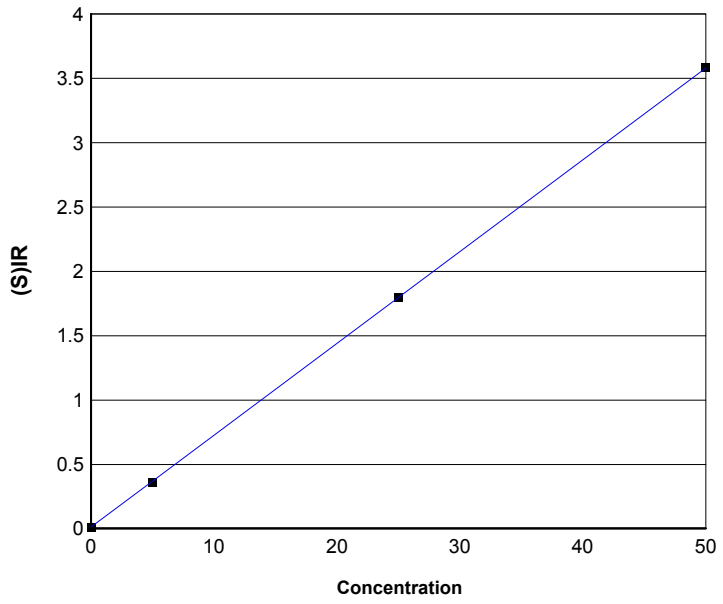
Standard Name	Stated	Found	Diff	% Diff	(S)IR	Stddev	Emphasis
IC1	0.00000	0.000000000	-0.000051212	0.00000	-0.00010949	0.000081424	1
IC4	50.000	49.740	-0.25521	-0.51043	1.3860	0.0052817	1
IC2	5.0000	5.0300	0.032113	0.64226	0.14011	0.00040375	1
IC3	25.000	25.220	0.22310	0.89240	0.70270	0.0045645	1



Element Name:	Fe
Element Wavelength:	Fe 271.441 nm
Concentration Units:	ppm
Date of Calibration:	4/10/2012 5:12:47PM
Date of Fit:	4/10/2012 5:12:47PM
Type of Fit:	Linear
Correlation:	0.99996
A0 (Offset):	0.000089199
A1 (Gain):	0.0026269
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

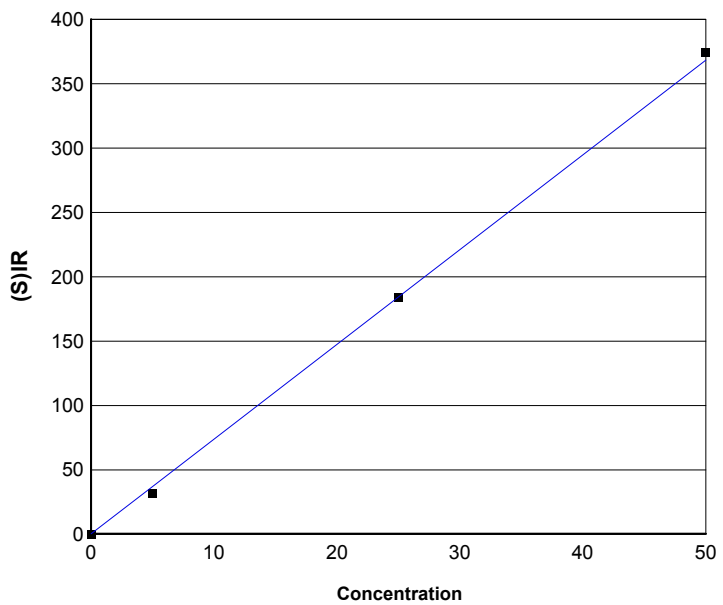
Standard Name	Stated	Found	Diff	% Diff	(S)IR	Stddev	Emphasis
IC1	0.00000	0.000000000	-0.000064853	0.00000	0.000089029	0.00038483	1
IC4	50.000	49.660	-0.33558	-0.67117	0.13055	0.00064797	1
IC2	5.0000	5.0400	0.039118	0.78236	0.013326	0.00090724	1
IC3	25.000	25.300	0.29647	1.1859	0.066540	0.00053822	1



Element Name:	K
Element Wavelength:	K 766.490 nm
Concentration Units:	ppm
Date of Calibration:	4/10/2012 5:12:47PM
Date of Fit:	4/10/2012 5:12:47PM
Type of Fit:	Linear
Correlation:	0.99999
A0 (Offset):	0.011180
A1 (Gain):	0.071431
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

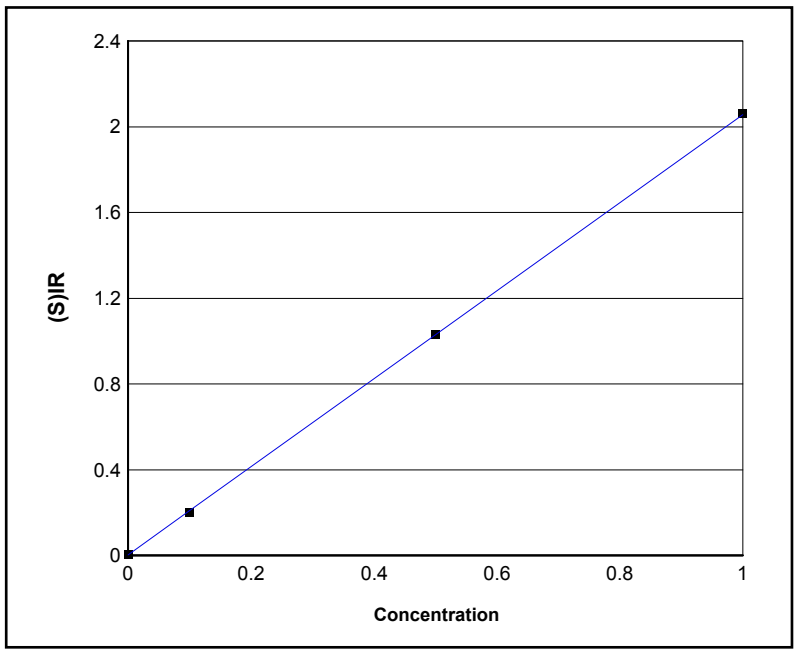
Standard Name	Stated	Found	Diff	% Diff	(S)IR	Stddev	Emphasis
IC1	0.00000	0.000000000	0.000089466	0.00000	0.011186	0.0031869	1
IC4	50.000	50.080	0.084632	0.16926	3.5888	0.026184	1
IC2	5.0000	4.9000	-0.10125	-2.0251	0.36110	0.0055626	1
IC3	25.000	25.020	0.016621	0.066483	1.7981	0.0046385	1



Element Name:	K
Element Wavelength:	K 766.490 nm
Concentration Units:	ppm
Date of Calibration:	4/10/2012 5:12:47PM
Date of Fit:	4/10/2012 5:12:47PM
Type of Fit:	Linear
Correlation:	0.99925
A0 (Offset):	0.014776
A1 (Gain):	7.3688
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

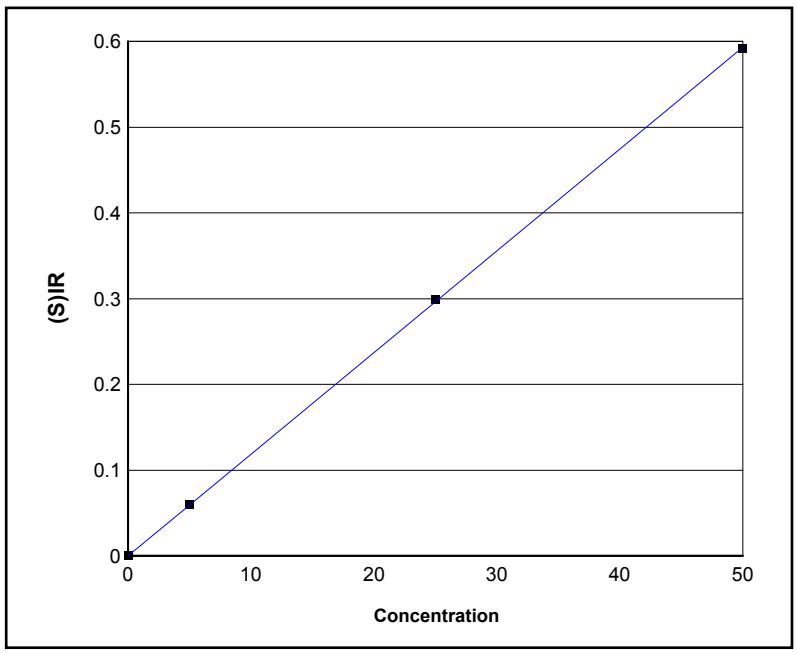
Standard Name	Stated	Found	Diff	% Diff	(S)IR	Stddev	Emphasis
IC1	0.00000	0.00000000	0.00066651	0.00000	0.019688	0.0039411	1
IC4	50.000	50.790	0.78522	1.5704	374.24	5.8004	1
IC2	5.0000	4.2700	-0.73498	-14.700	31.443	0.10325	1
IC3	25.000	24.950	-0.050237	-0.20095	183.87	2.2125	1



Element Name:	Li
Element Wavelength:	Li 670.784 nm
Concentration Units:	ppm
Date of Calibration:	4/10/2012 5:12:47PM
Date of Fit:	4/10/2012 5:12:47PM
Type of Fit:	Linear
Correlation:	0.99997
A0 (Offset):	0.0034631
A1 (Gain):	2.0527
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

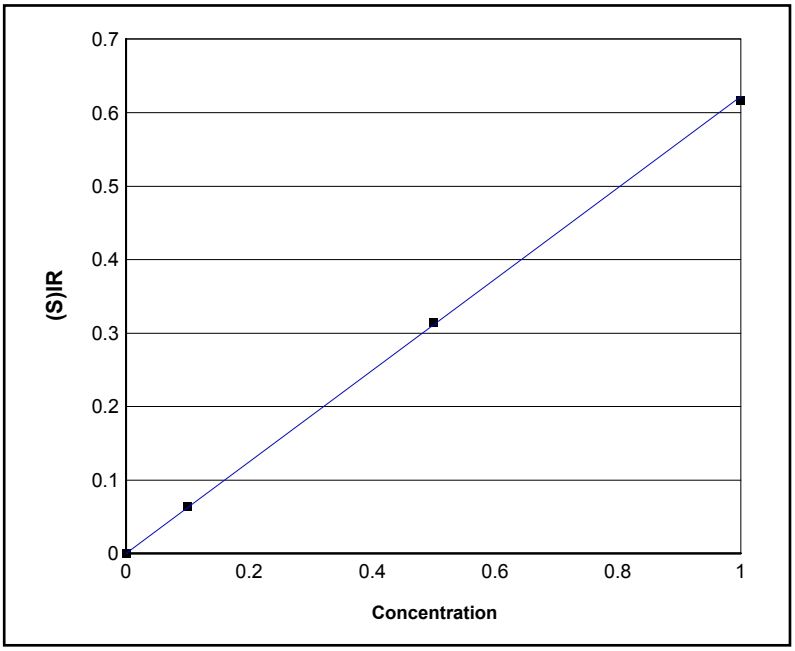
Standard Name	Stated	Found	Diff	% Diff	(S)IR	Stddev	Emphasis
IC1	0.00000	0.0000000000	0.0000024306	0.00000	0.0034681	0.0020733	1
IC2	0.10000	0.100000	-0.0027329	-2.7329	0.20312	0.0017800	1
IC3	0.50000	0.50000	0.00029020	0.058040	1.0304	0.0052781	1
IC4	1.0000	1.0000	0.0024427	0.24427	2.0611	0.0059450	1



Element Name:	Mg
Element Wavelength:	Mg 279.079 nm
Concentration Units:	ppm
Date of Calibration:	4/10/2012 5:12:47PM
Date of Fit:	4/10/2012 5:12:47PM
Type of Fit:	Linear
Correlation:	0.99999
A0 (Offset):	0.000079912
A1 (Gain):	0.011866
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

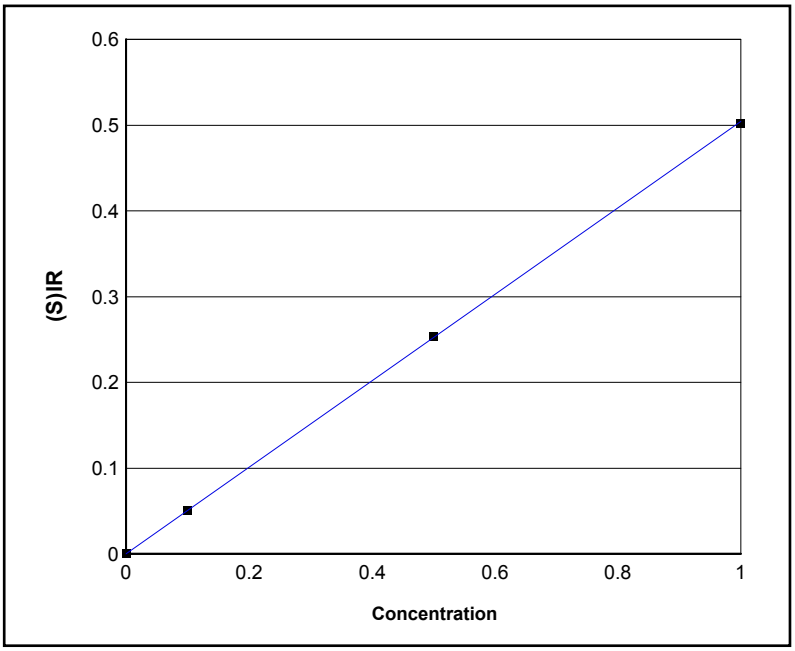
Standard Name	Stated	Found	Diff	% Diff	(S)IR	Stddev	Emphasis
IC1	0.00000	0.000000000	-0.000027479	0.00000	0.000079585	0.0000044358	1
IC4	50.000	49.820	-0.17707	-0.35413	0.59128	0.00014091	1
IC2	5.0000	5.0100	0.012215	0.24431	0.059555	0.00013865	1
IC3	25.000	25.160	0.16485	0.65940	0.29868	0.0011216	1



Element Name:	Mn
Element Wavelength:	Mn 257.610 nm
Concentration Units:	ppm
Date of Calibration:	4/10/2012 5:12:47PM
Date of Fit:	4/10/2012 5:12:47PM
Type of Fit:	Linear
Correlation:	0.99995
A0 (Offset):	0.00027939
A1 (Gain):	0.62172
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

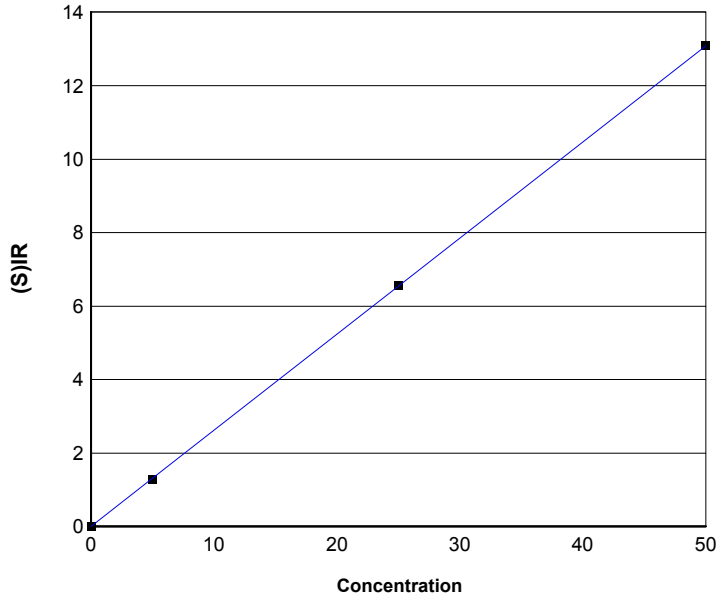
Standard Name	Stated	Found	Diff	% Diff	(S)IR	Stddev	Emphasis
IC1	0.00000	0.0000000000	-0.0000023165	0.00000	0.00027795	0.000039083	1
IC4	1.0000	0.99000	-0.0080353	-0.80353	0.61701	0.000074628	1
IC2	0.10000	0.10000	0.0018913	1.8913	0.063628	0.00047284	1
IC3	0.50000	0.51000	0.0061440	1.2288	0.31496	0.0011609	1



Element Name:	Mo
Element Wavelength:	Mo 202.030 nm
Concentration Units:	ppm
Date of Calibration:	4/10/2012 5:12:47PM
Date of Fit:	4/10/2012 5:12:47PM
Type of Fit:	Linear
Correlation:	0.99998
A0 (Offset):	0.00019226
A1 (Gain):	0.50413
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

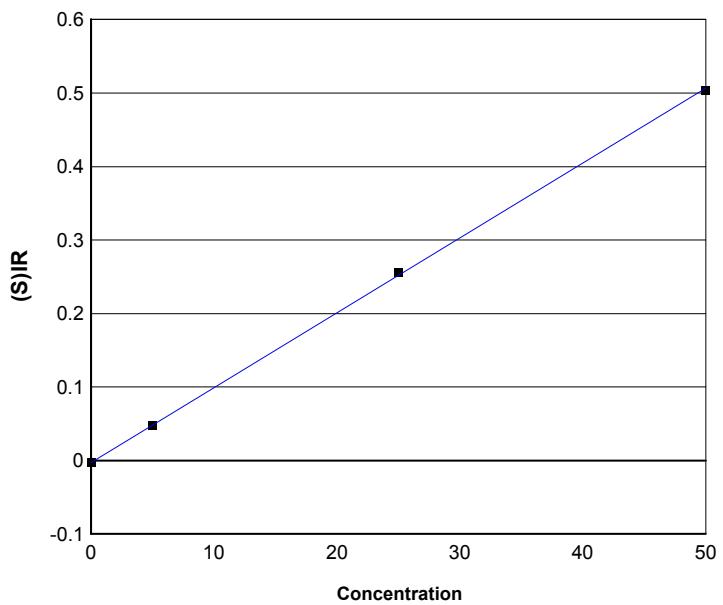
Standard Name	Stated	Found	Diff	% Diff	(S)IR	Stddev	Emphasis
IC1	0.00000	0.0000000000	-0.0000011013	0.00000	0.00019171	0.00013303	1
IC4	1.0000	1.00000	-0.0043170	-0.43170	0.50215	0.0033134	1
IC2	0.10000	0.10000	0.00083706	0.83706	0.051027	0.00019151	1
IC3	0.50000	0.50000	0.0034799	0.69599	0.25401	0.0019560	1



Element Name:	Na
Element Wavelength:	Na 589.592 nm
Concentration Units:	ppm
Date of Calibration:	4/10/2012 5:12:47PM
Date of Fit:	4/10/2012 5:12:47PM
Type of Fit:	Linear
Correlation:	0.99998
A0 (Offset):	0.0091045
A1 (Gain):	0.26145
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

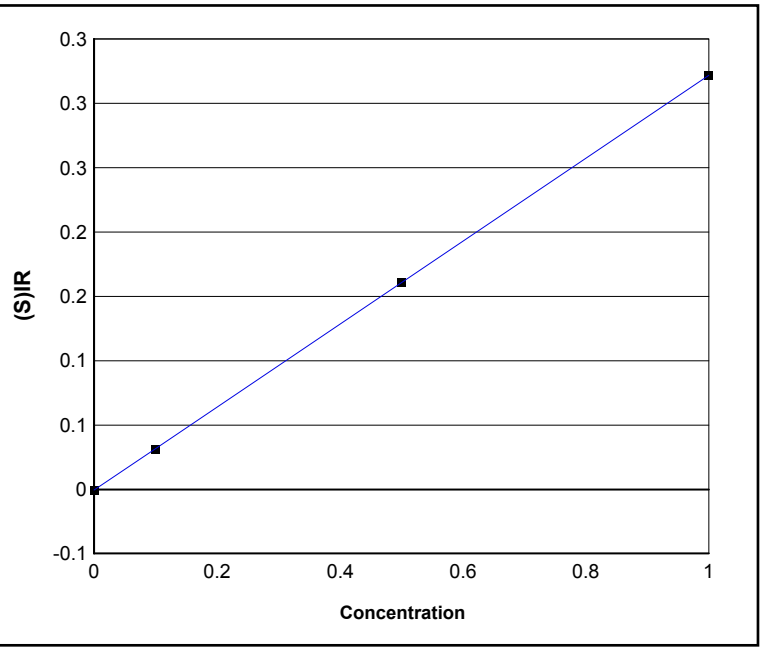
Standard Name	Stated	Found	Diff	% Diff	(S)IR	Stddev	Emphasis
IC1	0.00000	0.000000000	0.000090762	0.00000	0.0091282	0.00051342	1
IC4	50.000	50.050	0.047264	0.094529	13.094	0.068922	1
IC2	5.0000	4.8900	-0.10755	-2.1509	1.2883	0.0069874	1
IC3	25.000	25.060	0.060281	0.24112	6.5612	0.022307	1



Element Name:	Na
Element Wavelength:	Na 818.326 nm
Concentration Units:	ppm
Date of Calibration:	4/10/2012 5:12:47PM
Date of Fit:	4/10/2012 5:12:47PM
Type of Fit:	Linear
Correlation:	0.99996
A0 (Offset):	-0.0025274
A1 (Gain):	0.010179
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

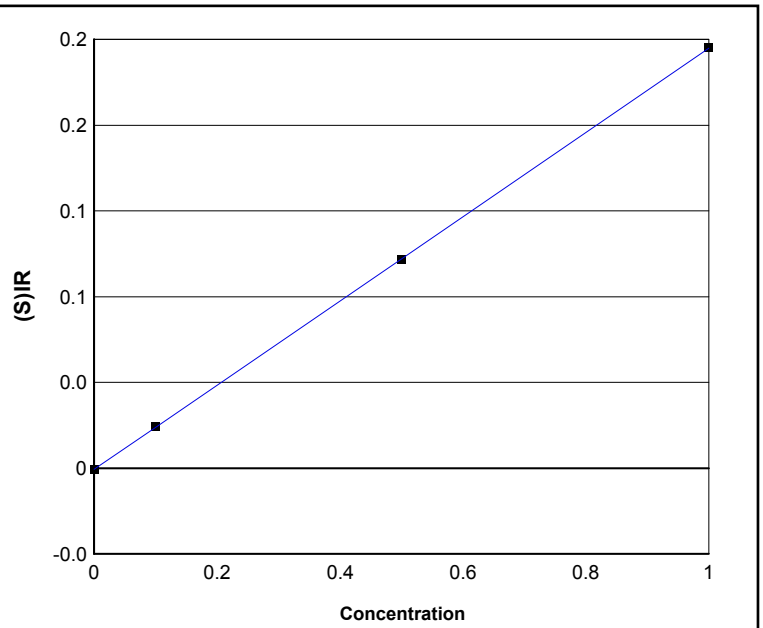
Standard Name	Stated	Found	Diff	% Diff	(S)IR	Stddev	Emphasis
IC1	0.00000	0.000000000	0.000050674	0.00000	-0.0025269	0.00084752	1
IC4	50.000	49.780	-0.21821	-0.43643	0.50418	0.0018943	1
IC2	5.0000	4.9100	-0.090620	-1.8124	0.047443	0.00069264	1
IC3	25.000	25.310	0.30883	1.2353	0.25508	0.0014296	1



Element Name:	Ni
Element Wavelength:	Ni 231.604 nm
Concentration Units:	ppm
Date of Calibration:	4/10/2012 5:12:47PM
Date of Fit:	4/10/2012 5:12:47PM
Type of Fit:	Linear
Correlation:	0.99999
A0 (Offset):	-0.00063795
A1 (Gain):	0.32232
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

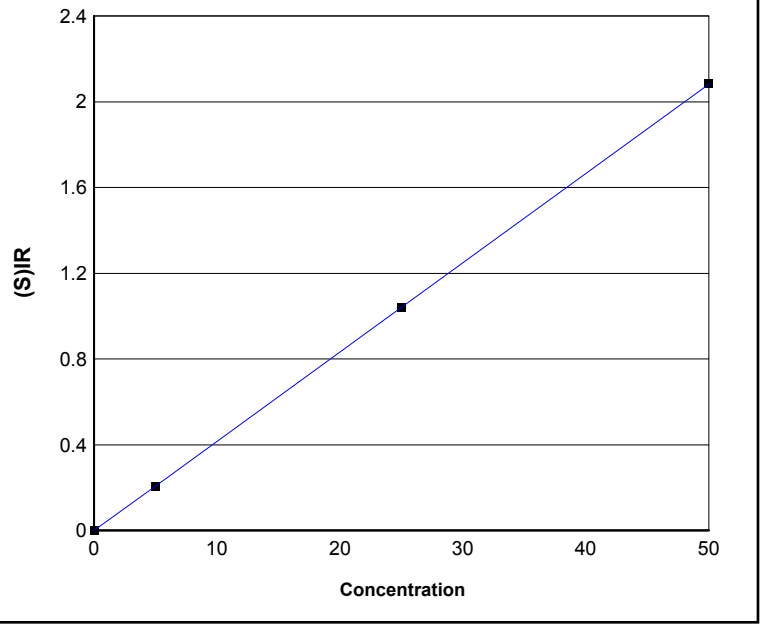
Standard Name	Stated	Found	Diff	% Diff	(S)IR	Stddev	Emphasis
IC1	0.00000	0.0000000000	0.0000016995	0.00000	-0.00063740	0.0000098090	1
IC4	1.0000	1.0000	0.0019156	0.19156	0.32210	0.0032650	1
IC2	0.10000	0.100000	-0.0018849	-1.8849	0.030967	0.00022538	1
IC3	0.50000	0.50000	-0.000030721	-0.0061443	0.16041	0.0022548	1



Element Name:	Pb
Element Wavelength:	Pb 220.353 nm
Concentration Units:	ppm
Date of Calibration:	4/10/2012 5:12:47PM
Date of Fit:	4/10/2012 5:12:47PM
Type of Fit:	Linear
Correlation:	0.99999
A0 (Offset):	-0.00056248
A1 (Gain):	0.19647
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

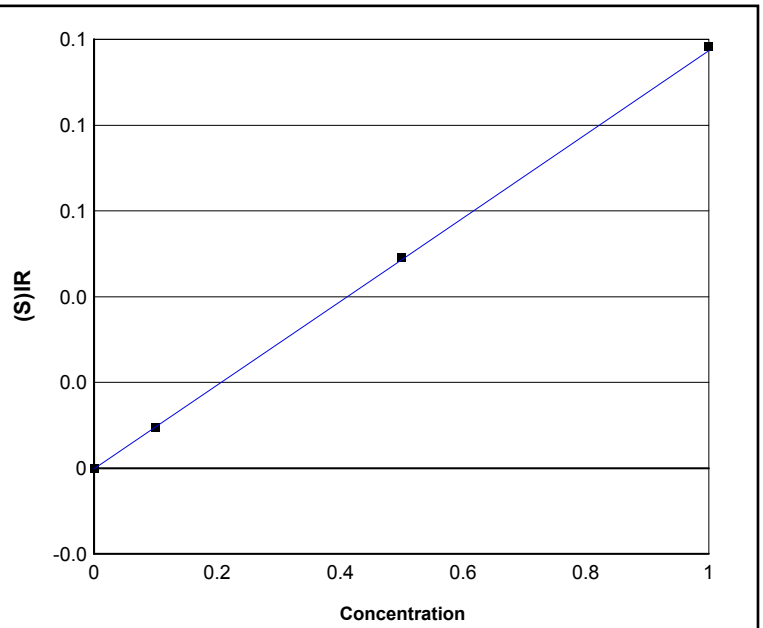
Standard Name	Stated	Found	Diff	% Diff	(S)IR	Stddev	Emphasis
IC1	0.00000	0.0000000000	-0.0000008833	0.00000	-0.00056265	0.00071498	1
IC4	1.0000	1.0000	0.00050848	0.050848	0.19643	0.0018210	1
IC2	0.10000	0.10000	0.0011677	1.1677	0.019356	0.00043091	1
IC3	0.50000	0.50000	-0.0016761	-0.33523	0.097554	0.00094023	1



Element Name:	S
Element Wavelength:	S 182.034 nm
Concentration Units:	ppm
Date of Calibration:	4/10/2012 5:12:47PM
Date of Fit:	4/10/2012 5:12:47PM
Type of Fit:	Linear
Correlation:	1.0000
A0 (Offset):	0.0001615
A1 (Gain):	0.04164
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

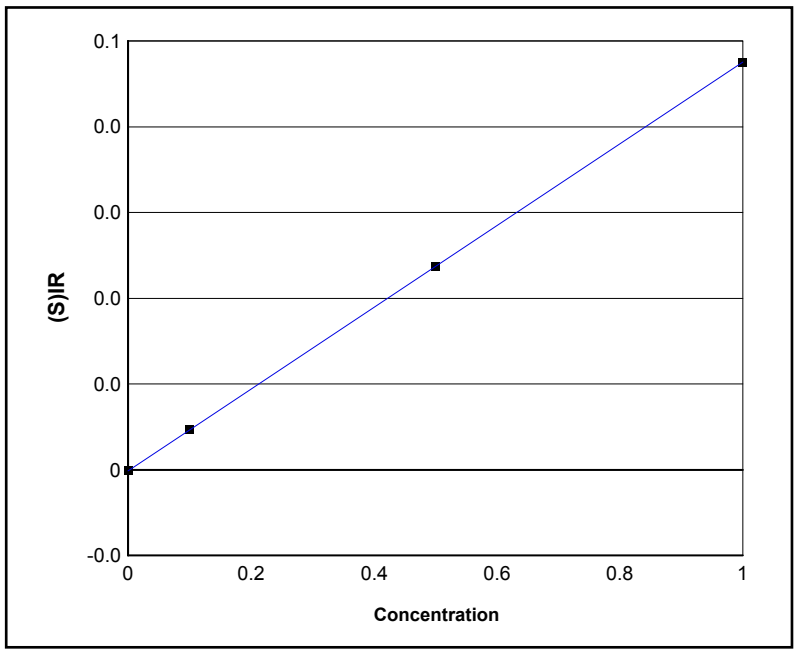
Standard Name	Stated	Found	Diff	% Diff	(S)IR	Stddev	Emphasis
IC1	0.0000	0.00000000	0.00007332	0.0000	0.0001645	0.0002703	1
IC2	5.000	4.920	-0.07995	-1.599	0.2050	0.0007481	1
IC3	25.00	24.99	-0.01357	-0.05426	1.041	0.005545	1
IC4	50.00	50.09	0.09352	0.1870	2.086	0.01756	1



Element Name:	Sb
Element Wavelength:	Sb 206.833 nm
Concentration Units:	ppm
Date of Calibration:	4/10/2012 5:12:47PM
Date of Fit:	4/10/2012 5:12:47PM
Type of Fit:	Linear
Correlation:	1.00000
A0 (Offset):	-0.00013068
A1 (Gain):	0.097494
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

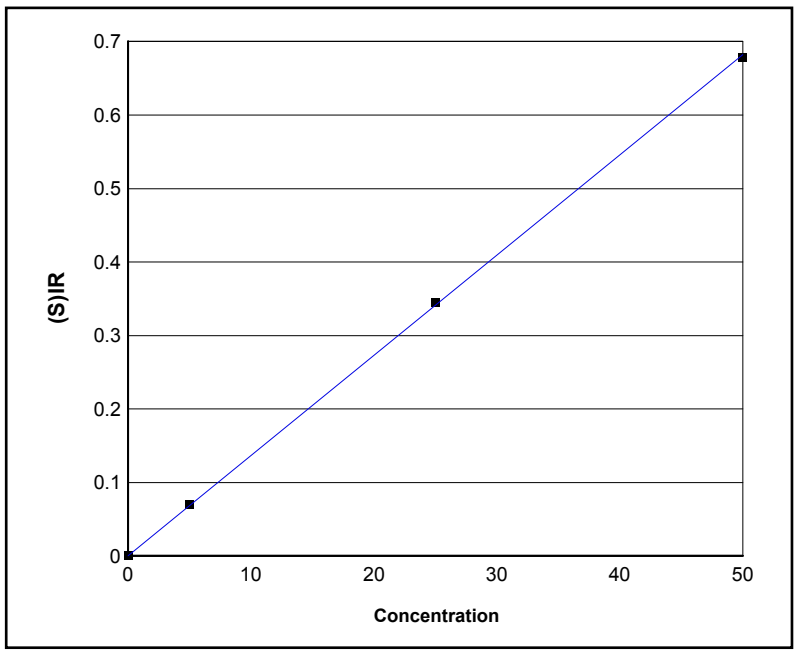
Standard Name	Stated	Found	Diff	% Diff	(S)IR	Stddev	Emphasis
IC1	0.00000	0.0000000000	0.0000009888	0.00000	-0.00013058	0.00014426	1
IC4	1.0000	1.0000	0.00086822	0.086822	0.098333	0.0013980	1
IC2	0.10000	0.100000	-0.0011275	-1.1275	0.0095973	0.00010828	1
IC3	0.50000	0.50000	0.00025928	0.051856	0.049084	0.00017075	1



Element Name:	Se
Element Wavelength:	Se 196.090 nm
Concentration Units:	ppm
Date of Calibration:	4/10/2012 5:12:47PM
Date of Fit:	4/10/2012 5:12:47PM
Type of Fit:	Linear
Correlation:	1.00000
A0 (Offset):	-0.00012636
A1 (Gain):	0.047693
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

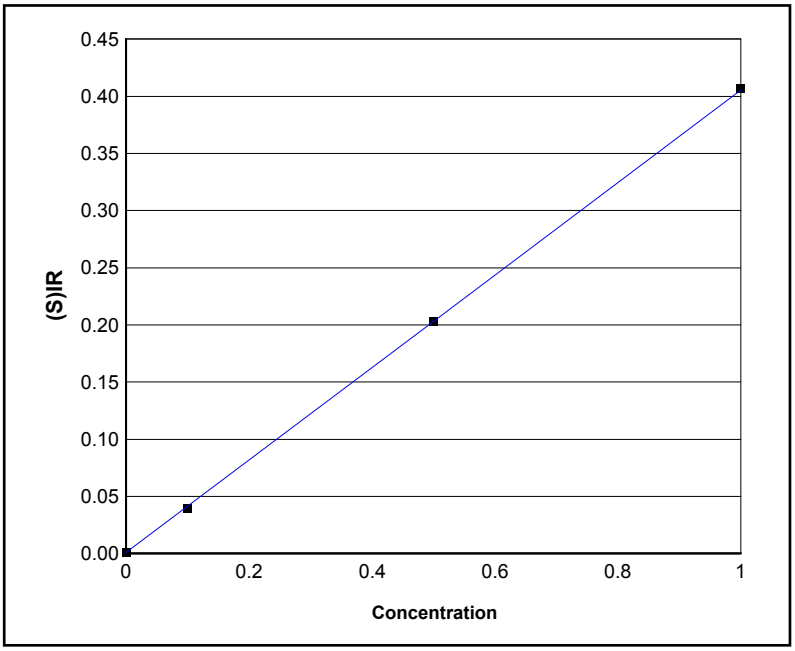
Standard Name	Stated	Found	Diff	% Diff	(S)IR	Stddev	Emphasis
IC1	0.00000	0.0000000000	-0.0000004473	0.00000	-0.00012638	0.00014770	1
IC4	1.0000	1.0000	0.00020289	0.020289	0.047515	0.00015325	1
IC2	0.10000	0.10000	0.00058453	0.58453	0.0046647	0.00015969	1
IC3	0.50000	0.50000	-0.00078742	-0.15748	0.023652	0.00041627	1



Element Name:	Si
Element Wavelength:	Si 288.158 nm
Concentration Units:	ppm
Date of Calibration:	4/10/2012 5:12:47PM
Date of Fit:	4/10/2012 5:12:47PM
Type of Fit:	Linear
Correlation:	0.99996
A0 (Offset):	0.00030965
A1 (Gain):	0.013643
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

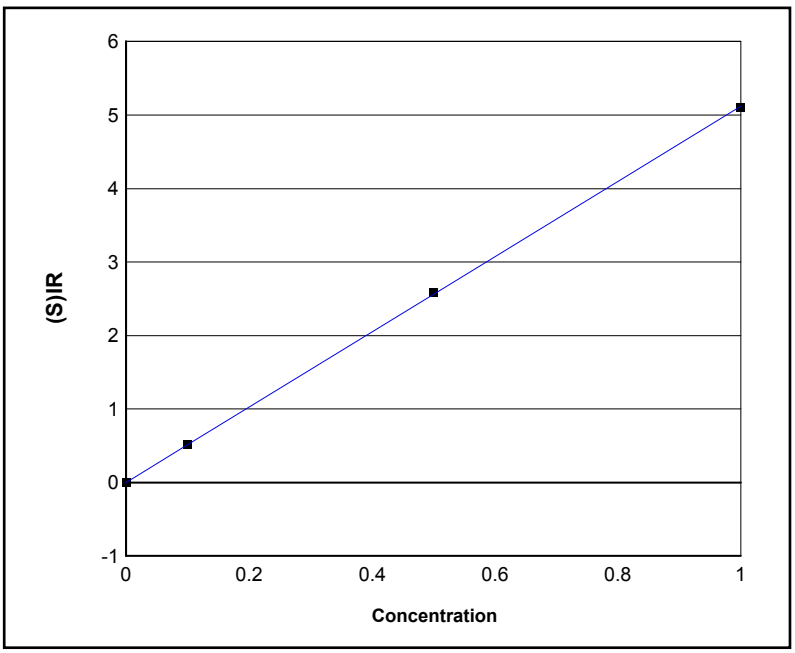
Standard Name	Stated	Found	Diff	% Diff	(S)IR	Stddev	Emphasis
IC1	0.00000	0.000000000	-0.000091124	0.00000	0.00030841	0.00032443	1
IC2	5.0000	5.0700	0.070205	1.4041	0.069504	0.000046373	1
IC3	25.000	25.280	0.27939	1.1176	0.34531	0.0011983	1
IC4	50.000	49.650	-0.34960	-0.69920	0.67791	0.0026170	1



Element Name:	Sn
Element Wavelength:	Sn 189.989 nm
Concentration Units:	ppm
Date of Calibration:	4/10/2012 5:12:47PM
Date of Fit:	4/10/2012 5:12:47PM
Type of Fit:	Linear
Correlation:	0.99992
A0 (Offset):	0.00083246
A1 (Gain):	0.40474
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

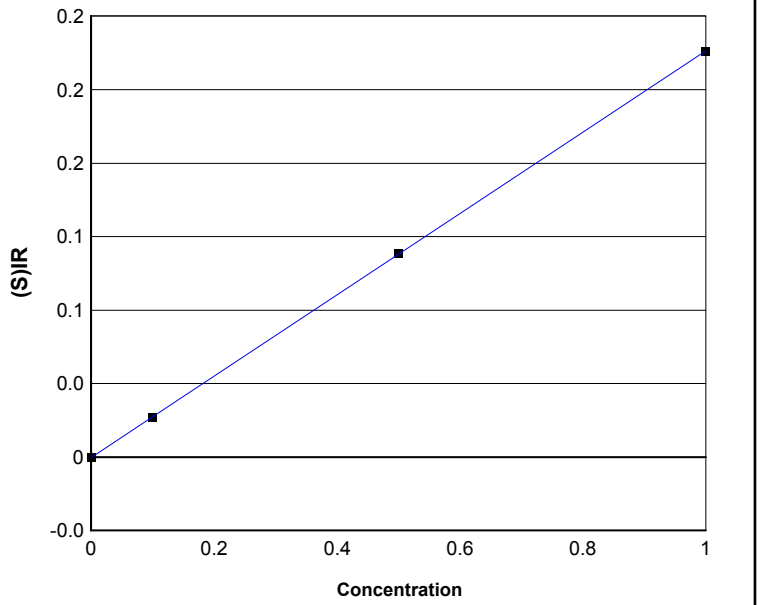
Standard Name	Stated	Found	Diff	% Diff	(S)IR	Stddev	Emphasis
IC1	0.00000	0.0000000000	0.0000042914	0.00000	0.00083420	0.00016216	1
IC4	1.0000	1.0000	0.0047692	0.47692	0.40653	0.0050293	1
IC2	0.10000	0.100000	-0.0047681	-4.7681	0.039279	0.000045230	1
IC3	0.50000	0.50000	-0.0000011258	-0.00022516	0.20272	0.0016931	1



Element Name:	Sr
Element Wavelength:	Sr 407.771 nm
Concentration Units:	ppm
Date of Calibration:	4/10/2012 5:12:47PM
Date of Fit:	4/10/2012 5:12:47PM
Type of Fit:	Linear
Correlation:	0.99999
A0 (Offset):	-0.0014033
A1 (Gain):	5.1226
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

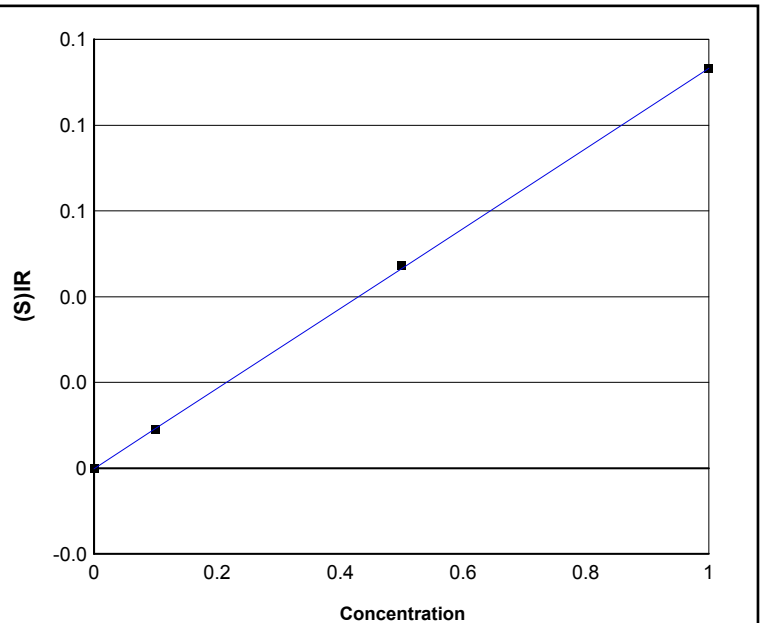
Standard Name	Stated	Found	Diff	% Diff	(S)IR	Stddev	Emphasis
IC1	0.00000	0.0000000000	-0.0000005990	0.00000	-0.0014064	0.0011829	1
IC2	0.10000	0.10000	0.00024906	0.24906	0.51239	0.00014026	1
IC3	0.50000	0.50000	0.0037486	0.74973	2.5804	0.0041948	1
IC4	1.0000	1.00000	-0.0039977	-0.39977	5.1033	0.043316	1



Element Name:	Ti
Element Wavelength:	Ti 334.904 nm
Concentration Units:	ppm
Date of Calibration:	4/10/2012 5:12:47PM
Date of Fit:	4/10/2012 5:12:47PM
Type of Fit:	Linear
Correlation:	0.99999
A0 (Offset):	-0.00028067
A1 (Gain):	0.22133
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

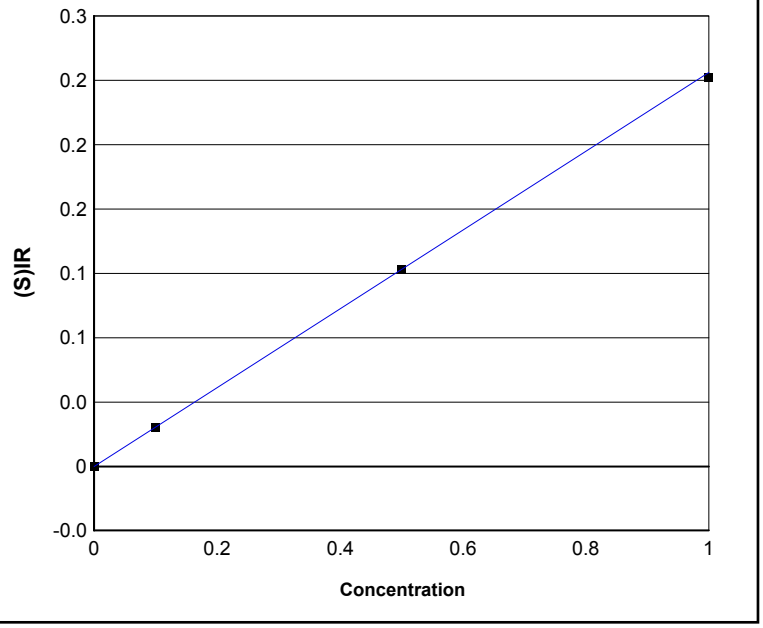
Standard Name	Stated	Found	Diff	% Diff	(S)IR	Stddev	Emphasis
IC1	0.00000	0.0000000000	0.0000008648	0.00000	-0.00028048	0.000010729	1
IC4	1.0000	1.00000	-0.0016803	-0.16803	0.22071	0.00097870	1
IC2	0.10000	0.100000	-0.0012910	-1.2910	0.021570	0.000061156	1
IC3	0.50000	0.50000	0.0029713	0.59427	0.11106	0.00040566	1



Element Name:	Tl
Element Wavelength:	Tl 190.856 nm
Concentration Units:	ppm
Date of Calibration:	4/10/2012 5:12:47PM
Date of Fit:	4/10/2012 5:12:47PM
Type of Fit:	Linear
Correlation:	0.99998
A0 (Offset):	-0.00010872
A1 (Gain):	0.093352
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

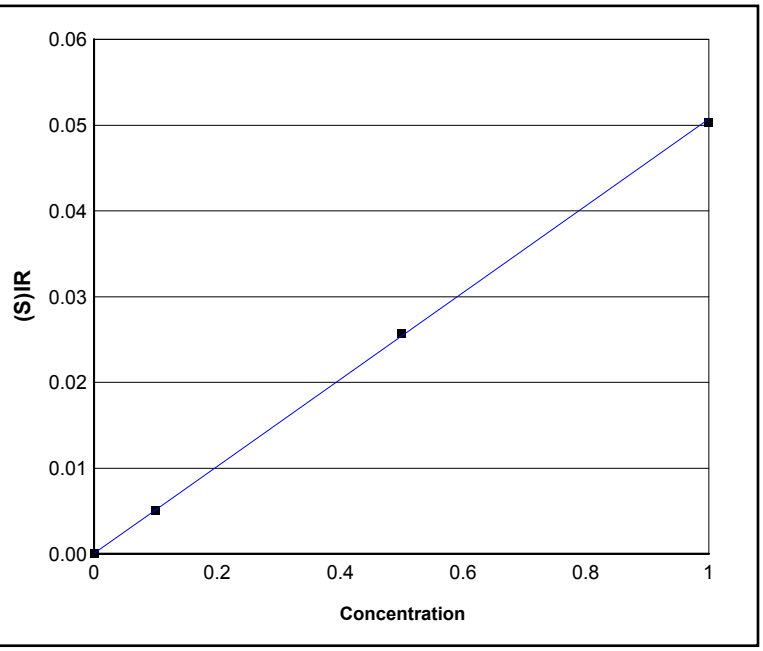
Standard Name	Stated	Found	Diff	% Diff	(S)IR	Stddev	Emphasis
IC1	0.00000	0.0000000000	0.0000004080	0.00000	-0.00010868	0.000072175	1
IC4	1.0000	1.00000	-0.0041255	-0.41255	0.093323	0.0011182	1
IC2	0.10000	0.100000	-0.0010257	-1.0257	0.0091772	0.00022644	1
IC3	0.50000	0.51000	0.0051512	1.0302	0.047281	0.00065826	1



Element Name:	V
Element Wavelength:	V 292.402 nm
Concentration Units:	ppm
Date of Calibration:	4/10/2012 5:12:47PM
Date of Fit:	4/10/2012 5:12:47PM
Type of Fit:	Linear
Correlation:	0.99998
A0 (Offset):	-0.000052184
A1 (Gain):	0.24512
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	-0.0000005421	0.00000	-0.000052317	0.000043708	1
IC4	1.0000	0.99000	-0.0050113	-0.50113	0.24171	0.0020516	1
IC2	0.10000	0.10000	0.000051220	0.051220	0.024260	0.00027221	1
IC3	0.50000	0.50000	0.0049601	0.99202	0.12266	0.00013285	1



Element Name:	Zn
Element Wavelength:	Zn 206.200 nm
Concentration Units:	ppm
Date of Calibration:	4/10/2012 5:12:47PM
Date of Fit:	4/10/2012 5:12:47PM
Type of Fit:	Linear
Correlation:	0.99996
A0 (Offset):	0.000072200
A1 (Gain):	0.050640
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	-0.0000000932	0.00000	0.000072195	0.0000060400	1
IC4	1.0000	0.99000	-0.0063173	-0.63173	0.050359	0.00039643	1
IC2	0.10000	0.100000	-0.00067312	-0.67312	0.0050988	0.000089768	1
IC3	0.50000	0.51000	0.0069905	1.3981	0.025730	0.0000085597	1

Sample Name: IC1 Acquired: 4/10/2012 17:03:38 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	**-.00021**	**.00208**	**.00013**	**.00142**	**.01165**	**.00323**	**.00013**	**.00293**	**.00126**	**-.00014**	**-.00002**	**.00295**
Stddev	.00021	.00038	.00020	.00014	.00086	.00016	.00018	.00031	.00011	.00016	.00004	.00006
%RSD	104.25	18.135	160.97	9.7213	7.3603	5.0195	142.04	10.603	8.4925	115.53	159.49	2.0738
#1	-.00005	.00181	.00027	.00152	.01104	.00311	.00025	.00271	.00119	-.00003	-.00005	.00291
#2	-.00036	.00235	-.00002	.00132	.01226	.00334	.00000	.00315	.00134	-.00025	.00000	.00300

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	**-.00011**	**.00009**	**.01119**	**.01969**	**.00347**	**.00008**	**.00028**	**.00019**	**.00913**	**-.00253**	**-.00064**	**-.00056**
Stddev	.00008	.00038	.00319	.00394	.00207	.00000	.00004	.00013	.00051	.00085	.00001	.00071
%RSD	74.367	432.25	28.490	20.018	59.781	5.5736	14.061	69.392	5.6245	33.540	1.5389	127.07
#1	-.00005	.00036	.00893	.02247	.00200	.00008	.00025	.00010	.00949	-.00193	-.00063	-.00006
#2	-.00017	-.00018	.01344	.01690	.00493	.00008	.00031	.00029	.00877	-.00313	-.00064	-.00107

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**	**-.00013**	**-.00013**	**.00031**	**.00083**	**-.00141**	**-.00028**	**-.00011**	**-.00005**	**.00007**
Stddev	.0003	.00014	.00015	.00032	.00016	.00118	.00001	.00007	.00004	.00001
%RSD	164.3	110.47	116.87	105.20	19.439	84.110	3.8254	66.408	83.545	8.3663
#1	.0004	-.00023	-.00002	.00008	.00095	-.00057	-.00027	-.00016	-.00008	.00007
#2	.0000	-.00003	-.00023	.00054	.00072	-.00224	-.00029	-.00006	-.00002	.00008

Int. Std.	In2306	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**2095.7**	**3033.5**	**25725.**	**4400.0**
Stddev	6.7	3.4	52.	43.0
%RSD	.32101	.11179	.20248	.97760
#1	2100.5	3035.9	25762.	4430.4
#2	2091.0	3031.1	25688.	4369.6

Sample Name: IC2 Acquired: 4/10/2012 17:05:59 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	**.01720**	**.07180**	**.01032**	**.04362**	**.35272**	**1.1450**	**.28418**	**.41326**	**.15684**	**.14250**	**.01270**	**.03567**	**.14011**
Stddev	.00011	.00126	.00004	.00031	.00325	.0041	.00195	.00023	.00070	.00105	.00009	.00002	.00040
%RSD	.66516	1.7512	.40847	.70704	.92269	.36053	.68545	.05681	.44462	.73802	.67402	.05426	.28817
#1	.01712	.07269	.01035	.04383	.35502	1.1421	.28281	.41310	.15734	.14325	.01276	.03568	.13982
#2	.01728	.07091	.01029	.04340	.35042	1.1480	.28556	.41343	.15635	.14176	.01264	.03565	.14039

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	**.01333**	**.36110**	**31.443**	**.20312**	**.05955**	**.06363**	**.05103**	**1.2883**	**.04744**	**.03097**	**.01936**	**.2050**	**.00960**
Stddev	.00091	.00556	.103	.00178	.00014	.00047	.00019	.0070	.00069	.00023	.00043	.0007	.00011
%RSD	6.8078	1.5405	.32836	.87632	.23282	.74314	.37531	.54239	1.4599	.72783	2.2262	.3649	1.1283
#1	.01397	.36504	31.370	.20186	.05965	.06396	.05116	1.2932	.04793	.03113	.01966	.2056	.00967
#2	.01268	.35717	31.516	.20438	.05946	.06329	.05089	1.2833	.04695	.03081	.01905	.2045	.00952

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	**.00466**	**.06950**	**.03928**	**.51239**	**.02157**	**.00918**	**.02426**	**.00510**
Stddev	.00016	.00005	.00005	.00014	.00006	.00023	.00027	.00009
%RSD	3.4234	.06672	.11515	.02737	.28353	2.4674	1.1221	1.7606
#1	.00478	.06947	.03925	.51249	.02161	.00934	.02445	.00516
#2	.00455	.06954	.03931	.51229	.02153	.00902	.02407	.00504

Int. Std.	In2306	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**2052.4**	**3023.9**	**25501.**	**4469.9**
Stddev	1.0	8.8	37.	16.7
%RSD	.04743	.29245	.14472	.37398
#1	2051.7	3030.2	25474.	4481.7
#2	2053.1	3017.7	25527.	4458.0

Sample Name: IC3 Acquired: 4/10/2012 17:08:15 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	**.08887**	**.35881**	**.04964**	**.21306**	**1.7371**	**5.7740**	**1.4170**	**2.0530**	**.77671**	**.73308**	**.06307**	**.16967**	**.70270**
Stddev	.00000	.00096	.00006	.00119	.0043	.0089	.0040	.0062	.00482	.00747	.00003	.00105	.00456
%RSD	.00263	.26806	.12255	.55985	.24860	.15436	.28157	.30040	.62067	1.0195	.05317	.62095	.64957
#1	.08887	.35813	.04968	.21390	1.7341	5.7803	1.4141	2.0486	.78011	.73836	.06304	.16892	.69948
#2	.08887	.35949	.04959	.21221	1.7402	5.7677	1.4198	2.0574	.77330	.72779	.06309	.17041	.70593

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	**.06654**	**1.7981**	**183.87**	**1.0304**	**.29868**	**.31496**	**.25401**	**6.5612**	**.25508**	**.16041**	**.09755**	**1.041**	**.04908**
Stddev	.00054	.0046	2.21	.0053	.00112	.00116	.00196	.0223	.00143	.00225	.00094	.005	.00017
%RSD	.80886	.25796	1.2033	.51224	.37551	.36859	.77003	.33998	.56047	1.4056	.96380	.5329	.34788
#1	.06616	1.7949	185.43	1.0267	.29789	.31414	.25539	6.5454	.25609	.16201	.09822	1.045	.04920
#2	.06692	1.8014	182.30	1.0341	.29948	.31578	.25263	6.5770	.25407	.15882	.09689	1.037	.04896

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	**.02365**	**.34531**	**.20272**	**2.5804**	**.11106**	**.04728**	**.12266**	**.02573**
Stddev	.00042	.00120	.00169	.0042	.00041	.00066	.00013	.00001
%RSD	1.7600	.34704	.83523	.16257	.36527	1.3922	.10831	.03327
#1	.02395	.34446	.20391	2.5834	.11077	.04775	.12257	.02572
#2	.02336	.34615	.20152	2.5774	.11134	.04682	.12275	.02574

Int. Std.	In2306	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**1932.1**	**2980.2**	**24787.**	**4483.9**
Stddev	2.8	4.5	5.	26.3
%RSD	.14629	.14982	.02069	.58684
#1	1930.1	2983.4	24783.	4502.5
#2	1934.1	2977.1	24790.	4465.3

Sample Name: IC4 Acquired: 4/10/2012 17:10:31 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	**.17846**	**.71728**	**.09897**	**.42210**	**3.4637**	**11.274**	**2.7754**	**4.0689**	**1.5434**	**1.4673**	**.12471**	**.33421**	**1.3860**
Stddev	.00024	.00152	.00042	.00151	.0110	.196	.0065	.0315	.0101	.0150	.00010	.00070	.0053
%RSD	.13378	.21182	.42361	.35737	.31669	1.7352	.23304	.77451	.65161	1.0202	.07825	.20855	.38108
#1	.17829	.71836	.09926	.42317	3.4714	11.135	2.7800	4.0912	1.5505	1.4779	.12478	.33470	1.3897
#2	.17863	.71621	.09867	.42104	3.4559	11.412	2.7709	4.0466	1.5363	1.4568	.12464	.33372	1.3822

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	**.13055**	**3.5888**	**374.24**	**2.0611**	**.59128**	**.61701**	**.50215**	**13.094**	**.50418**	**.32210**	**.19643**	**2.086**	**.09833**
Stddev	.00065	.0262	5.80	.0060	.00014	.00007	.00331	.069	.00189	.00326	.00182	.018	.00140
%RSD	.49633	.72961	1.5499	.28843	.02383	.01210	.65985	.52635	.37572	1.0136	.92707	.8419	1.4217
#1	.13101	3.6073	378.34	2.0653	.59118	.61696	.50449	13.143	.50552	.32441	.19772	2.099	.09932
#2	.13009	3.5703	370.14	2.0569	.59138	.61706	.49980	13.045	.50284	.31979	.19514	2.074	.09734

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	**.04752**	**.67791**	**.40653**	**5.1033**	**.22071**	**.09332**	**.24171**	**.05036**
Stddev	.00015	.00262	.00503	.0433	.00098	.00112	.00205	.00040
%RSD	.32252	.38605	1.2371	.84879	.44343	1.1983	.84878	.78721
#1	.04741	.67976	.41009	5.1339	.22002	.09411	.24316	.05064
#2	.04762	.67606	.40297	5.0727	.22140	.09253	.24026	.05008

Int. Std.	In2306	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**1852.2**	**2929.7**	**24305.**	**4438.9**
Stddev	7.7	1.5	158.	46.8
%RSD	.41440	.05175	.65158	1.0553
#1	1846.8	2928.7	24417.	4405.8
#2	1857.6	2930.8	24193.	4472.0

Sample Name: ICV-668707 Acquired: 4/10/2012 17:12:52 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	.35724	18.333	.35891	.36289	.37110	.36777	18.327	.36823	W .35622	.36780	.36459	18.565
Stddev	.00178	.085	.00161	.00170	.00054	.00107	.056	.00143	.00312	.00102	.00074	.042
%RSD	.49777	.46319	.44930	.46870	.14425	.28977	.30793	.38739	.87568	.27618	.20167	.22585
#1	.35598	18.273	.36005	.36410	.37147	.36702	18.287	.36924	.35843	.36852	.36407	18.536
#2	.35850	18.393	.35777	.36169	.37072	.36852	18.367	.36722	.35402	.36708	.36511	18.595
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Pass
Value									.37500			
Range									-5.0000%			

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	18.165	W 17.069	.36175	18.370	.37664	.36913	18.030	.36179	.36006	18.34	.37291	.36619
Stddev	.130	.014	.00175	.037	.00211	.00179	.092	.00209	.00058	.10	.00454	.00145
%RSD	.71589	.08152	.48385	.20112	.56126	.48360	.51249	.57764	.16185	.5413	1.2186	.39554
#1	18.073	17.079	.36051	18.396	.37814	.37039	17.965	.36327	.35965	18.41	.36970	.36721
#2	18.257	17.059	.36298	18.343	.37515	.36787	18.096	.36032	.36047	18.27	.37613	.36516
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	18.180	.37237	.36274	.36835	.37056	.36632	.36394
Stddev	.037	.00405	.00174	.00315	.00160	.00208	.00525
%RSD	.20572	1.0887	.47860	.85458	.43061	.56907	1.4434
#1	18.206	.37523	.36151	.37057	.37169	.36779	.36765
#2	18.153	.36950	.36396	.36612	.36943	.36484	.36022
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	1949.4	2951.9	24829.	4495.5
Stddev	.1	8.6	7.	30.4
%RSD	.00687	.29029	.02876	.67575
#1	1949.4	2958.0	24824.	4517.0
#2	1949.5	2945.9	24834.	4474.0

Sample Name: ICB-665389 Acquired: 4/10/2012 17:15:10 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	**-.00031**	**-.01143**	**.00160**	**.00054**	**.00005**	**.00002**	**.00605**	**.00010**	**-.00021**	**.00055**	**.00000**	**.00642**	**.00217**
Stddev	.00017	.01647	.00104	.00022	.00002	.00015	.00297	.00007	.00009	.00029	.00038	.00777	.00765
%RSD	53.924	144.03	65.108	40.942	49.147	618.57	48.989	72.892	44.478	51.933	25037.	120.96	352.52
#1	-.00043	-.02308	.00233	.00038	.00003	-.00008	.00396	.00005	-.00028	.00075	.00027	.01192	.00758
#2	-.00019	.00021	.00086	.00069	.00006	.00013	.00815	.00015	-.00014	.00035	-.00027	.00093	-.00324
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	**.00222**	**-.00097**	**.00118**	**-.00004**	**.00002**	**-.00666**	**.00034**	**.00062**	**-.0014**	**-.00092**	**-.00895**	**.01796**	**-.00138**
Stddev	.00040	.00159	.00691	.00005	.00021	.00948	.00056	.00205	.0028	.00422	.00031	.00802	.00020
%RSD	18.047	163.02	583.95	110.63	925.86	142.37	164.65	332.00	203.3	460.82	3.5189	44.663	14.795
#1	.00193	.00015	-.00370	-.00007	.00017	-.01336	-.00006	-.00083	.0006	.00207	-.00873	.02364	-.00153
#2	.00250	-.00209	.00607	-.00001	-.00012	.00004	.00073	.00207	-.0033	-.00390	-.00917	.01229	-.00124
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	**.00000**	**.00028**	**-.00039**	**-.00021**	**-.00135**
Stddev	.00007	.00052	.00140	.00040	.00004
%RSD	2701.0	183.89	361.25	193.30	2.7684
#1	.00005	-.00008	.00060	.00008	-.00132
#2	-.00005	.00065	-.00138	-.00049	-.00138
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	**2073.3**	**2985.6**	**25540.**	**4505.9**
Stddev	1.4	3.1	140.	4.2
%RSD	.06830	.10236	.54795	.09233
#1	2072.3	2983.4	25639.	4508.9
#2	2074.3	2987.8	25441.	4503.0

Sample Name: CRI-649194 Acquired: 4/10/2012 17:17:31 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	.00287	.14389	.01241	.02073	.00208	.00193	.48699	.00102	.00353	.00449	.00975	.05585
Stddev	.00058	.04303	.00150	.00008	.00003	.00011	.00395	.00013	.00025	.00004	.00045	.00306
%RSD	20.207	29.908	12.114	.40388	1.4607	5.7233	.81146	12.607	7.1229	.97523	4.6439	5.4773
#1	.00328	.11346	.01348	.02067	.00206	.00186	.48978	.00112	.00371	.00446	.01007	.05801
#2	.00246	.17432	.01135	.02079	.00211	.00201	.48420	.00093	.00335	.00452	.00943	.05368
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	.46986	.37137	.02773	.19265	.00326	.00990	.93656	.01100	W .00683	F .0108	.01848	W .00762
Stddev	.02619	.00079	.00023	.00417	.00007	.00011	.00739	.00010	.00047	.0024	.00175	.00161
%RSD	5.5739	.21400	.82382	2.1626	2.1744	1.1589	.78883	.89469	6.9340	21.95	9.4752	21.149
#1	.48838	.37193	.02789	.18971	.00331	.00982	.93134	.01107	.00717	.0125	.01724	.00876
#2	.45134	.37080	.02756	.19560	.00321	.00998	.94179	.01093	.00650	.0092	.01972	.00648
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Fail	Chk Pass	Chk Warn
Value									.00500	.0030		.01500
Range									30.000%	50.00%		-30.000%

Elem	Si2881	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.52673	W .00597	.00487	.00539	.01984	.00477	.00770
Stddev	.00691	.00009	.00001	.00040	.00148	.00018	.00075
%RSD	1.3120	1.4895	.20473	7.4927	7.4508	3.7692	9.7581
#1	.52185	.00604	.00488	.00568	.01879	.00464	.00717
#2	.53162	.00591	.00486	.00511	.02089	.00489	.00823
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	2080.6	2995.6	25696.	4531.5
Stddev	2.3	1.1	5.	42.1
%RSD	.11170	.03534	.01799	.92906
#1	2078.9	2996.4	25692.	4501.8
#2	2082.2	2994.9	25699.	4561.3

Sample Name: ICSA-659146 Acquired: 4/10/2012 17:19:53 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	**-.00173**	**494.18**	**.01266**	**.00042**	**.00048**	**-.00026**	**471.80**	**.00289**	**-.00007**	**.00200**	**.00281**	**186.32**	**-.04084**
Stddev	.00036	2.10	.00373	.00048	.00003	.00013	3.34	.00021	.00008	.00129	.00005	1.52	.04584
%RSD	20.589	.42427	29.443	113.73	6.2983	49.840	.70801	7.1251	117.82	64.642	1.7395	.81555	112.24
#1	-.00199	492.70	.01529	.00076	.00050	-.00035	469.44	.00275	-.00013	.00109	.00284	185.24	-.07326
#2	-.00148	495.66	.01002	.00008	.00046	-.00017	474.17	.00304	-.00001	.00292	.00277	187.39	-.00843
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	**-.00034**	**.00474**	**515.83**	**.00193**	**-.00100**	**.01791**	**.00051**	**-.00594**	F **-.1011**	**-.01373**	**-.00504**	**.02243**	**.00093**
Stddev	.00014	.00040	.02	.00021	.00006	.00294	.00025	.01127	.0027	.00023	.00952	.00694	.00221
%RSD	41.489	8.5268	.00417	11.022	6.4728	16.439	49.763	189.80	2.636	1.6961	188.67	30.941	237.12
#1	-.00044	.00446	515.81	.00178	-.00095	.01583	.00069	-.01390	-.0992	-.01390	.00168	.02733	.00249
#2	-.00024	.00503	515.84	.00208	-.00104	.01999	.00033	.00203	-.1030	-.01357	-.01177	.01752	-.00063
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	**.00061**	**.00387**	**-.00171**	**.00566**	**-.00077**
Stddev	.00001	.00075	.00133	.00005	.00096
%RSD	1.8054	19.440	78.081	.81002	123.75
#1	.00061	.00334	-.00265	.00569	-.00145
#2	.00062	.00440	-.00076	.00563	-.00010
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	**1539.9**	**2616.0**	**21561.**	**4295.6**
Stddev	5.0	1.4	54.	30.8
%RSD	.32753	.05511	.24881	.71760
#1	1536.3	2617.0	21523.	4317.4
#2	1543.4	2615.0	21599.	4273.8

Sample Name: ICSAB-662364 Acquired: 4/10/2012 17:22:12 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	Be3130	Ca3179	Cd2288	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.16761	483.17	.11504	.00508	.47951	.50530	459.18	1.0491	.50334	.48950	.54198	91.543	.00605
Stddev	.00126	1.01	.00479	.00062	.00176	.00016	.23	.0003	.00056	.00160	.00417	.355	.00507
%RSD	.75432	.20894	4.1628	12.291	.36634	.03137	.04917	.02465	.11122	.32587	.76874	.38787	83.738
#1	.16851	483.88	.11843	.00552	.48076	.50519	459.02	1.0493	.50374	.49063	.54493	91.292	.00963
#2	.16672	482.46	.11165	.00463	.47827	.50541	459.34	1.0489	.50295	.48837	.53904	91.794	.00247
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	.00896	.51173	531.28	.48177	-.00024	.03643	.97651	.04031	F .0052	.59312	.04790	1.0747	.00111
Stddev	.00046	.00321	2.50	.00152	.00035	.00389	.00292	.00036	.0021	.00183	.00154	.0878	.00016
%RSD	5.1595	.62759	.47139	.31601	142.38	10.673	.29857	.89484	40.37	.30935	3.2119	8.1712	14.186
#1	.00863	.51400	533.05	.48284	.00000	.03368	.97857	.04057	.0067	.59442	.04899	1.1368	.00100
#2	.00929	.50946	529.51	.48069	-.00049	.03918	.97445	.04006	.0037	.59183	.04681	1.0126	.00122
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	.48126	.00453	.09518	.50342	.98270
Stddev	.00418	.00046	.00593	.00270	.00540
%RSD	.86796	10.170	6.2265	.53635	.54916
#1	.48421	.00420	.09099	.50533	.98651
#2	.47830	.00485	.09937	.50151	.97888
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	1559.1	2618.5	21553.	4346.7
Stddev	1.5	2.7	160.	23.7
%RSD	.09934	.10452	.74353	.54508
#1	1560.2	2620.5	21440.	4363.4
#2	1558.0	2616.6	21667.	4329.9

Sample Name: CCV-665391 Acquired: 4/10/2012 17:24:24 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	Be3130	Ca3179	Cd2288	Co2286	Cr2677	Cu3247	Fe2599	K_7664
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.47136**	**23.973**	**.48641**	**.48255**	**.47671**	**.48522**	**23.794**	**.49573**	**.47545**	**.48564**	**.48255**	**24.600**	**23.995**
Stddev	.00303	.092	.00097	.00204	.00057	.00125	.084	.00173	.00255	.00094	.00188	.075	.105
%RSD	.64251	.38274	.20026	.42189	.11997	.25715	.35429	.34803	.53650	.19362	.38905	.30417	.43701
#1	.46921	24.038	.48710	.48399	.47712	.48610	23.854	.49695	.47725	.48497	.48123	24.547	24.069
#2	.47350	23.909	.48573	.48111	.47631	.48434	23.735	.49451	.47365	.48630	.48388	24.652	23.921
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	**23.503**	**.47827**	**24.666**	**.50396**	**.49626**	**23.856**	**.48348**	**.48391**	**24.94**	**.49469**	**.49141**	**23.379**	**.50115**
Stddev	.114	.00099	.015	.00061	.00276	.129	.00266	.00161	.07	.00065	.00749	.045	.00007
%RSD	.48639	.20790	.06271	.12036	.55574	.54014	.55104	.33199	.2897	.13120	1.5238	.19252	.01347
#1	23.584	.47898	24.677	.50439	.49821	23.947	.48536	.48505	24.99	.49515	.49671	23.347	.50111
#2	23.422	.47757	24.655	.50353	.49431	23.765	.48159	.48278	24.89	.49423	.48612	23.411	.50120
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	**.48104**	**.49223**	**.48912**	**.48477**	**.47985**
Stddev	.00067	.00131	.00023	.00159	.00105
%RSD	.13962	.26566	.04659	.32886	.21901
#1	.48151	.49315	.48896	.48365	.47910
#2	.48056	.49130	.48928	.48590	.48059
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	**1925.3**	**2914.4**	**24739.**	**4532.7**
Stddev	.0	.5	56.	8.5
%RSD	.00135	.01680	.22818	.18647
#1	1925.3	2914.1	24779.	4526.7
#2	1925.3	2914.8	24699.	4538.6

Sample Name: CCB-665389 Acquired: 4/10/2012 17:26:41 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	Ba4554-2	Be3130	Ca3179	Cd2288	Co2286	Cr2677	Cu3247	Fe2599	K_7664
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00114**	**-.00452**	**.00148**	**-.00063**	**.00005**	**-.00010**	**.00977**	**.00003**	**-.00060**	**-.00007**	**.00064**	**.00783**	**.01026**
Stddev	.00125	.02297	.00030	.00017	.00000	.00007	.01002	.00013	.00012	.00023	.00064	.00817	.00651
%RSD	109.28	508.64	20.559	26.582	.83873	67.432	102.57	393.19	20.473	313.94	100.06	104.31	63.427
#1	-.00026	-.02076	.00126	-.00051	.00005	-.00005	.01685	-.00006	-.00051	-.00023	.00019	.00206	.01486
#2	-.00202	.01173	.00169	-.00075	.00005	-.00015	.00268	.00012	-.00068	.00009	.00109	.01361	.00566
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	**.00152**	**-.00063**	**.00874**	**.00002**	**.00024**	**-.00868**	**.00055**	**.00023**	**-.0017**	**-.00080**	**.00007**	**.03954**	**-.00049**
Stddev	.00004	.00023	.00226	.00014	.00003	.00404	.00000	.00070	.0011	.00253	.00041	.05141	.00000
%RSD	2.3225	36.698	25.900	704.11	12.419	46.579	.46044	299.93	63.78	316.55	588.22	130.02	.28328
#1	.00154	-.00080	.00714	-.00008	.00022	-.01154	.00055	.00073	-.0009	-.00259	-.00022	.00319	-.00050
#2	.00149	-.00047	.01034	.00012	.00026	-.00582	.00055	-.00026	-.0024	.00099	.00036	.07590	-.00049
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**	**-.00006**	**-.00075**	**-.00012**	**-.00049**
Stddev	.00008	.00064	.00182	.00022	.00042
%RSD	58.519	1088.0	244.07	182.41	86.295
#1	.00008	.00039	-.00203	.00004	-.00079
#2	.00020	-.00051	.00054	-.00028	-.00019
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	**2056.1**	**2925.3**	**25374.**	**4495.3**
Stddev	3.0	2.5	175.	48.6
%RSD	.14383	.08380	.68834	1.0822
#1	2058.2	2923.6	25497.	4529.7
#2	2054.0	2927.1	25250.	4460.9

Sample Name: MB 480-58750/1-A Acquired: 4/10/2012 17:29:02 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	**-.00066**	**.00218**	**.00204**	**.00389**	**.00005**	**-.00030**	**.05696**	**-.00004**	**-.00020**
Stddev	.00056	.01535	.00119	.00018	.00002	.00001	.00686	.00009	.00005
%RSD	84.515	705.50	58.579	4.5661	41.686	3.3347	12.045	203.27	22.984
#1	-.00105	.01303	.00119	.00402	.00004	-.00029	.06181	-.00010	-.00024
#2	-.00026	-.00868	.00288	.00377	.00007	-.00030	.05211	.00002	-.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	**.00051**	**.00033**	**.01772**	**-.01721**	**.00144**	**-.00064**	**.00535**	F **.00055**	**.00006**
Stddev	.00041	.00041	.00893	.00788	.00054	.00040	.00222	.00000	.00027
%RSD	80.213	125.05	50.397	45.794	37.541	62.405	41.419	.56185	429.43
#1	.00022	.00062	.02403	-.01164	.00182	-.00036	.00378	.00055	-.00013
#2	.00079	.00004	.01140	-.02278	.00106	-.00092	.00692	.00055	.00025
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	**-.00618**	**.00048**	**.00067**	**-.0009**	**-.00215**	**-.00165**	**.03228**	**-.00132**	**.00021**
Stddev	.00693	.00024	.00217	.0048	.00000	.00379	.05612	.00006	.00003
%RSD	112.07	50.159	323.91	511.3	.17843	229.92	173.89	4.7125	15.130
#1	-.00128	.00031	-.00086	.0025	-.00215	.00103	-.00741	-.00137	.00023
#2	-.01108	.00066	.00220	-.0044	-.00215	-.00433	.07196	-.00128	.00019
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	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**	**.00032**	**.00015**	**-.00127**
Stddev	.00024	.00089	.00055	.00010
%RSD	41.189	276.42	376.87	8.0237
#1	-.00076	-.00031	.00053	-.00135
#2	-.00042	.00095	-.00024	-.00120
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	**2064.2**	**2939.2**	**25548.**	**4544.4**
Stddev	5.6	3.6	30.	20.1
%RSD	.27141	.12274	.11589	.44181
#1	2060.2	2936.7	25569.	4558.6
#2	2068.2	2941.8	25527.	4530.2

Sample Name: LCS 480-58750/2-A Acquired: 4/10/2012 17:31:23 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	**.04604**	**9.4619**	**.19341**	**.19923**	**.19186**	**.20210**	**9.4027**	**.19780**	**.18976**
Stddev	.00098	.0096	.00222	.00270	.00009	.00063	.0572	.00163	.00138
%RSD	2.1361	.10103	1.1465	1.3565	.04891	.31265	.60877	.82255	.72609
#1	.04534	9.4551	.19498	.20115	.19192	.20165	9.4432	.19895	.19074
#2	.04673	9.4686	.19184	.19732	.19179	.20254	9.3622	.19664	.18879
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	**.19288**	**.19322**	**9.7452**	**9.3797**	F **8.2634**	**.18883**	**9.6917**	**.20185**	**.20139**
Stddev	.00193	.00044	.0097	.0127	.3070	.00274	.0639	.00092	.00201
%RSD	1.0008	.22782	.09915	.13578	3.7154	1.4518	.65958	.45347	.99783
#1	.19152	.19353	9.7383	9.3887	8.4805	.19077	9.6465	.20120	.20281
#2	.19425	.19291	9.7520	9.3707	8.0463	.18689	9.7369	.20250	.19997
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					11.500				
Low Limit					8.5000				

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	**9.3223**	**.18960**	**.19264**	F **-.0040**	**.19553**	**.19326**	**9.3990**	**.19142**	**.19132**
Stddev	.0599	.00336	.00128	.0007	.00066	.00037	.0074	.00162	.00052
%RSD	.64252	1.7695	.66306	17.57	.33632	.19234	.07915	.84667	.27274
#1	9.3647	.19198	.19174	-.0045	.19506	.19300	9.4043	.19257	.19169
#2	9.2800	.18723	.19354	-.0035	.19599	.19352	9.3937	.19028	.19095
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	**.19471**	**.19628**	**.18980**	**.20087**
Stddev	.00144	.00042	.00177	.00264
%RSD	.74112	.21415	.93462	1.3167
#1	.19369	.19657	.18855	.19900
#2	.19573	.19598	.19106	.20274
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	**1998.3**	**2920.1**	**25145.**	**4553.1**
Stddev	4.0	.6	158.	21.0
%RSD	.19807	.02047	.62802	.46220
#1	1995.5	2919.7	25257.	4538.2
#2	2001.1	2920.6	25034.	4568.0

Sample Name: 480-18243-F-1-A Acquired: 4/10/2012 17:33:44 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**	**.10951**	**.00443**	**.02963**	**.02065**	**-.00003**	**30.618**	**.00011**	**-.00023**
Stddev	.00028	.03161	.00071	.00048	.00009	.00014	.305	.00008	.00009
%RSD	16.447	28.861	16.062	1.6285	.44209	453.51	.99639	72.661	37.662
#1	-.00187	.08716	.00393	.02997	.02072	-.00013	30.833	.00006	-.00030
#2	-.00148	.13186	.00494	.02929	.02059	.00007	30.402	.00017	-.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	**.00050**	**.00369**	**.09328**	**1.6104**	**1.4937**	**.00208**	**8.1879**	**.00444**	**.00125**
Stddev	.00013	.00017	.00932	.0593	.0022	.00067	.0251	.00019	.00002
%RSD	25.793	4.6120	9.9915	3.6835	.14430	32.222	.30694	4.2545	1.3876
#1	.00041	.00381	.08669	1.6523	1.4953	.00255	8.1701	.00457	.00124
#2	.00059	.00357	.09987	1.5684	1.4922	.00161	8.2057	.00430	.00126
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	**12.660**	**.00154**	**.00094**	**7.817**	**-.00245**	**-.00748**	**.73540**	**-.00140**	**.15461**
Stddev	.112	.00046	.00262	.080	.00002	.00750	.01001	.00063	.00148
%RSD	.88434	29.695	278.57	1.018	.91296	100.23	1.3608	44.805	.95923
#1	12.739	.00122	.00280	7.873	-.00244	-.01278	.72832	-.00096	.15565
#2	12.581	.00186	-.00091	7.761	-.00247	-.00218	.74248	-.00185	.15356
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	**.00206**	**-.00010**	**.00115**	**.00016**
Stddev	.00115	.00101	.00017	.00074
%RSD	55.649	1006.7	14.371	476.43
#1	.00125	-.00081	.00127	-.00037
#2	.00287	.00061	.00104	.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	**1996.7**	**2884.0**	**25065.**	**4578.3**
Stddev	.4	8.8	1.	14.9
%RSD	.01808	.30612	.00580	.32467
#1	1996.4	2877.8	25066.	4567.8
#2	1996.9	2890.3	25064.	4588.8

Sample Name: CCV Acquired: 4/10/2012 17:36:09 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	.46392	23.969	.48474	.48461	.47213	.48474	23.507	.49742	.47446	.48327	.48236	24.575	23.956
Stddev	.00056	.024	.00335	.00194	.00066	.00040	.004	.00116	.00234	.00174	.00027	.073	.060
%RSD	.12069	.09893	.69159	.40081	.14002	.08207	.01614	.23378	.49350	.35912	.05531	.29899	.24901
#1	.46353	23.985	.48237	.48598	.47166	.48502	23.504	.49825	.47611	.48450	.48255	24.627	23.998
#2	.46432	23.952	.48711	.48323	.47260	.48446	23.510	.49660	.47280	.48204	.48217	24.523	23.914
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	22.791	.47484	24.582	.50509	.49682	23.724	.48312	.48153	25.01	.49901	.48797	23.239	.49974
Stddev	.353	.00039	.072	.00181	.00160	.045	.00031	.00437	.06	.00162	.00076	.045	.00328
%RSD	1.5504	.08264	.29191	.35832	.32193	.18829	.06504	.90725	.2290	.32414	.15559	.19505	.65707
#1	22.541	.47456	24.632	.50637	.49795	23.756	.48334	.48461	25.05	.49787	.48851	23.207	.50206
#2	23.041	.47512	24.531	.50381	.49569	23.693	.48290	.47844	24.97	.50015	.48743	23.271	.49742
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	.48007	.49328	.49264	.47799	.47689
Stddev	.00283	.00045	.01074	.00080	.00062
%RSD	.59033	.09162	2.1796	.16735	.12988
#1	.48207	.49360	.50023	.47855	.47733
#2	.47807	.49296	.48505	.47742	.47645
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	1922.3	2898.6	24637.	4537.7
Stddev	1.9	7.7	37.	14.4
%RSD	.09811	.26520	.14891	.31771
#1	1923.7	2904.0	24611.	4547.9
#2	1921.0	2893.1	24663.	4527.5

Sample Name: CCB Acquired: 4/10/2012 17:38:30 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	**-.00041**	**-.02693**	**.00111**	**-.00025**	**.00006**	**-.00010**	**-.00119**	**.00006**	**-.00011**	**-.00041**	**.00076**	**.00407**	**-.01776**
Stddev	.00033	.01477	.00123	.00071	.00001	.00016	.00649	.00019	.00023	.00045	.00031	.00294	.00631
%RSD	81.792	54.833	111.13	286.98	21.332	164.83	544.80	336.46	222.40	108.78	41.179	72.193	35.544
#1	-.00017	-.01649	.00198	.00025	.00005	.00002	-.00578	.00019	-.00027	-.00010	.00098	.00615	-.01330
#2	-.00064	-.03738	.00024	-.00075	.00007	-.00021	.00340	-.00008	.00006	-.00073	.00054	.00199	-.02222
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	**.00124**	**-.00001**	**.00256**	**-.00010**	**.00008**	**-.00010**	**.00025**	**.00099**	F **-.0041**	**-.00249**	**-.00201**	**.02052**	**-.00035**
Stddev	.00020	.00044	.00869	.00011	.00022	.00423	.00043	.00069	.0043	.00000	.00246	.03389	.00023
%RSD	15.820	4523.8	338.85	116.09	290.08	4051.6	169.18	69.300	102.8	.03573	122.64	165.11	65.450
#1	.00138	-.00032	.00871	-.00002	-.00008	.00289	.00055	.00148	-.0072	-.00249	-.00375	.04449	-.00051
#2	.00110	.00030	-.00358	-.00018	.00023	-.00309	-.00005	.00051	-.0011	-.00249	-.00027	-.00344	-.00019
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**	**.00110**	**-.00028**	**-.00110**
Stddev	.00005	.00040	.00116	.00037	.00005
%RSD	269.28	328.39	105.52	131.60	4.3751
#1	-.00002	.00016	.00028	-.00002	-.00107
#2	.00005	-.00041	.00192	-.00055	-.00113
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	**2064.6**	**2926.1**	**25390.**	**4575.4**
Stddev	2.9	2.9	71.	9.4
%RSD	.13958	.10054	.27876	.20643
#1	2066.6	2928.2	25440.	4582.1
#2	2062.5	2924.1	25340.	4568.8

Sample Name: 480-18239-A-1-A Acquired: 4/10/2012 17:40:57 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	**-.00049**	**.36187**	**.00423**	**.02661**	**.02290**	**-.00004**	**31.357**	**.00011**	**-.00006**
Stddev	.00023	.00954	.00304	.00029	.00004	.00024	.039	.00012	.00008
%RSD	46.200	2.6369	71.812	1.0972	.19266	586.59	.12391	105.81	120.37
#1	-.00066	.35512	.00208	.02640	.02293	.00013	31.330	.00020	-.00012
#2	-.00033	.36862	.00638	.02682	.02287	-.00021	31.385	.00003	-.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	**.00106**	**.01866**	**.82724**	**1.6247**	**1.4943**	**.00352**	**8.5943**	**.03206**	**.00122**
Stddev	.00043	.00029	.00993	.0229	.0045	.00137	.0195	.00001	.00021
%RSD	41.048	1.5409	1.2005	1.4085	.29986	39.012	.22683	.02376	16.991
#1	.00136	.01886	.82022	1.6086	1.4912	.00255	8.6081	.03207	.00137
#2	.00075	.01845	.83426	1.6409	1.4975	.00449	8.5805	.03206	.00107
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	**12.180**	**.00226**	**.00407**	**7.675**	**-.00311**	**-.00235**	**.73748**	**-.00105**	**.15576**
Stddev	.017	.00001	.00008	.031	.00199	.00391	.00987	.00027	.00009
%RSD	.14241	.59805	1.8634	.4010	64.101	166.17	1.3385	25.804	.06055
#1	12.192	.00225	.00413	7.697	-.00170	-.00511	.74446	-.00124	.15570
#2	12.167	.00227	.00402	7.653	-.00452	.00041	.73050	-.00086	.15583
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	**.00781**	**-.00070**	**.00164**	**.00357**
Stddev	.00032	.00028	.00034	.00032
%RSD	4.0701	39.550	20.938	8.9861
#1	.00803	-.00090	.00140	.00379
#2	.00758	-.00051	.00189	.00334
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	**1992.4**	**2882.7**	**24944.**	**4552.7**
Stddev	2.4	.6	62.	21.7
%RSD	.11933	.02000	.24889	.47711
#1	1994.1	2883.1	24900.	4568.0
#2	1990.7	2882.3	24988.	4537.3

Sample Name: 480-18238-A-1-A Acquired: 4/10/2012 17:43:18 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	Ba4554-2	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	**-.00051**	**2.5300**	**.00527**	**.03027**	**.03542**	**.00007**	**34.959**	**.00003**	**.00065**
Stddev	.00057	.0456	.00453	.00016	.00003	.00032	.125	.00008	.00018
%RSD	112.03	1.8011	85.964	.51903	.08248	446.21	.35665	256.99	28.196
#1	-.00011	2.5622	.00207	.03038	.03544	-.00016	34.871	.00009	.00052
#2	-.00092	2.4978	.00847	.03015	.03540	.00030	35.047	-.00003	.00078
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	**.00518**	**.05012**	**4.8587**	**2.4007**	**2.1945**	**.00381**	**9.3178**	**.11480**	**.00124**
Stddev	.00088	.00056	.0033	.0115	.0147	.00155	.0304	.00021	.00046
%RSD	17.036	1.1192	.06737	.47989	.67011	40.689	.32642	.18426	37.268
#1	.00456	.04972	4.8564	2.3925	2.1841	.00490	9.3393	.11465	.00156
#2	.00581	.05052	4.8610	2.4088	2.2049	.00271	9.2963	.11495	.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	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	**12.428**	**.00463**	**.01011**	**7.957**	**-.00210**	**-.00026**	**4.3372**	**.00012**	**.16449**
Stddev	.033	.00029	.00012	.060	.00155	.00319	.0192	.00035	.00090
%RSD	.26823	6.3298	1.1912	.7558	73.785	1213.0	.44303	299.28	.54844
#1	12.404	.00442	.01003	8.000	-.00100	.00199	4.3508	.00036	.16386
#2	12.451	.00484	.01020	7.915	-.00319	-.00252	4.3236	-.00013	.16513
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	**.04659**	**-.00009**	**.00491**	**.02074**
Stddev	.00278	.00111	.00067	.00068
%RSD	5.9775	1178.5	13.700	3.2991
#1	.04856	-.00088	.00444	.02123
#2	.04462	.00069	.00539	.02026
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	**1976.8**	**2882.7**	**24831.**	**4557.2**
Stddev	9.3	2.0	64.	42.9
%RSD	.47135	.06971	.25746	.94116
#1	1970.2	2881.2	24877.	4587.6
#2	1983.4	2884.1	24786.	4526.9

Sample Name: 480-18240-D-1-A Acquired: 4/10/2012 17:45:38 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	**-.00047**	**.10526**	**.00470**	**.02538**	**.02079**	**-.00004**	**30.686**	**.00021**	**-.00009**
Stddev	.00040	.00953	.00316	.00010	.00002	.00003	.002	.00006	.00015
%RSD	84.337	9.0578	67.352	.38852	.08448	85.629	.00541	27.141	162.34
#1	-.00019	.09852	.00693	.02545	.02078	-.00001	30.685	.00025	-.00019
#2	-.00075	.11200	.00246	.02531	.02080	-.00006	30.687	.00017	.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	**.00139**	**.00278**	**.12283**	**1.5170**	**1.4129**	**.00154**	**8.4473**	**.00592**	**.00134**
Stddev	.00099	.00053	.00347	.0311	.0160	.00016	.0286	.00023	.00042
%RSD	71.031	19.108	2.8259	2.0517	1.1352	10.607	.33920	3.9179	31.389
#1	.00208	.00241	.12529	1.5390	1.4015	.00142	8.4270	.00609	.00104
#2	.00069	.00316	.12038	1.4949	1.4242	.00165	8.4676	.00576	.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	**12.202**	**.00235**	**.00118**	**7.699**	**-.00169**	**-.00834**	**.31575**	**-.00155**	**.15423**
Stddev	.025	.00022	.00015	.030	.00055	.00165	.01950	.00025	.00041
%RSD	.20125	9.5539	12.495	.3849	32.852	19.791	6.1773	16.249	.26874
#1	12.219	.00219	.00108	7.720	-.00130	-.00717	.32954	-.00173	.15394
#2	12.184	.00251	.00129	7.678	-.00208	-.00951	.30195	-.00137	.15453
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	**.00179**	**.00068**	**.00063**	**.00410**
Stddev	.00094	.00197	.00059	.00104
%RSD	52.600	287.02	94.060	25.355
#1	.00245	.00207	.00021	.00483
#2	.00112	-.00070	.00105	.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	**1989.2**	**2878.5**	**24922.**	**4553.9**
Stddev	2.0	7.4	38.	.6
%RSD	.10017	.25613	.15252	.01370
#1	1987.8	2873.3	24895.	4553.5
#2	1990.6	2883.7	24949.	4554.4

Sample Name: 480-18255-D-1-A Acquired: 4/10/2012 17:47:57 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	**-.00071**	**.09426**	**.00355**	**.02903**	**.02118**	**.00009**	**31.644**	**.00019**	**-.00008**
Stddev	.00057	.00244	.00310	.00037	.00004	.00000	.199	.00028	.00032
%RSD	80.156	2.5911	87.362	1.2855	.18211	2.2968	.62762	147.57	414.76
#1	-.00112	.09253	.00575	.02876	.02121	.00008	31.784	.00038	-.00031
#2	-.00031	.09599	.00136	.02929	.02115	.00009	31.503	-.00001	.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	**.00129**	**.00246**	**.11840**	**1.5973**	**1.4806**	**.00099**	**8.4966**	**.00561**	**.00132**
Stddev	.00017	.00055	.00872	.0021	.0068	.00027	.0086	.00001	.00002
%RSD	13.358	22.470	7.3687	.13324	.45814	27.061	.10112	.19330	1.2261
#1	.00117	.00207	.11223	1.5988	1.4758	.00080	8.5026	.00562	.00131
#2	.00142	.00285	.12457	1.5958	1.4854	.00118	8.4905	.00560	.00133
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	**13.855**	**.00186**	**.00092**	**8.181**	**.00020**	**-.00012**	**.56327**	**-.00106**	**.15714**
Stddev	.014	.00105	.00058	.038	.00210	.00172	.01226	.00124	.00022
%RSD	.09762	56.352	62.997	.4609	1040.9	1436.6	2.1769	116.31	.14035
#1	13.846	.00112	.00132	8.208	-.00128	.00110	.55460	-.00019	.15699
#2	13.865	.00260	.00051	8.154	.00168	-.00134	.57194	-.00194	.15730
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	**.00252**	**-.00021**	**.00053**	**.00778**
Stddev	.00070	.00020	.00016	.00109
%RSD	27.666	96.228	29.560	14.066
#1	.00203	-.00035	.00064	.00700
#2	.00302	-.00007	.00042	.00855
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	**1986.2**	**2877.8**	**24947.**	**4575.5**
Stddev	.8	6.0	93.	22.3
%RSD	.04179	.20676	.37150	.48795
#1	1986.8	2882.0	24882.	4559.7
#2	1985.7	2873.6	25013.	4591.3

Sample Name: 480-18255-D-2-A Acquired: 4/10/2012 17:50:17 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	**.00003**	**.07917**	**.00456**	**.02558**	**.02050**	**-.00009**	**30.608**	**.00032**	**-.00035**
Stddev	.00018	.02357	.00182	.00018	.00012	.00001	.139	.00005	.00008
%RSD	595.83	29.774	39.957	.71053	.56805	14.412	.45408	17.094	23.359
#1	-.00010	.06250	.00327	.02570	.02041	-.00008	30.510	.00035	-.00041
#2	.00016	.09584	.00585	.02545	.02058	-.00010	30.707	.00028	-.00029
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	**.00142**	**.00293**	**.09299**	**1.5301**	**1.3893**	**.00150**	**8.4925**	**.00582**	**.00130**
Stddev	.00026	.00075	.00068	.0450	.0267	.00085	.0385	.00006	.00009
%RSD	18.393	25.565	.72877	2.9388	1.9237	57.124	.45296	1.0939	7.1876
#1	.00123	.00240	.09251	1.4983	1.3704	.00089	8.4653	.00586	.00123
#2	.00160	.00346	.09347	1.5619	1.4082	.00210	8.5197	.00577	.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	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	**12.443**	**.00204**	**.00124**	**7.664**	**-.00107**	**-.00536**	**.22637**	**-.00084**	**.15408**
Stddev	.053	.00004	.00147	.002	.00008	.00051	.00466	.00060	.00085
%RSD	.42558	2.0938	119.26	.0264	7.8725	9.4929	2.0575	71.260	.55118
#1	12.405	.00201	.00019	7.666	-.00113	-.00500	.22966	-.00042	.15348
#2	12.480	.00207	.00228	7.663	-.00101	-.00572	.22307	-.00126	.15468
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	**.00205**	**-.00151**	**-.00001**	**.00763**
Stddev	.00029	.00082	.00075	.00013
%RSD	13.975	54.408	7692.3	1.6408
#1	.00225	-.00209	-.00054	.00772
#2	.00185	-.00093	.00052	.00754
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	**1989.0**	**2867.3**	**24959.**	**4593.1**
Stddev	.2	.4	1.	43.3
%RSD	.00947	.01436	.00337	.94304
#1	1989.1	2867.0	24960.	4623.7
#2	1988.9	2867.6	24959.	4562.5

Sample Name: 480-18281-J-1-A Acquired: 4/10/2012 17:52:35 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	**-.00116**	**.10098**	**.00330**	**.20166**	**.02338**	**-.00017**	**115.08**	**.00048**	**-.00032**
Stddev	.00096	.06269	.00034	.00038	.00000	.00003	.82	.00003	.00029
%RSD	82.837	62.081	10.200	.18760	.00010	20.174	.71505	5.2842	92.176
#1	-.00048	.14531	.00307	.20140	.02338	-.00020	114.50	.00046	-.00053
#2	-.00184	.05665	.00354	.20193	.02338	-.00015	115.66	.00050	-.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	**.00164**	**.00141**	**2.3257**	**3.1257**	**3.5169**	**.03546**	**81.420**	**.01758**	**.00979**
Stddev	.00044	.00046	.0110	.0697	.0239	.00130	.223	.00033	.00044
%RSD	26.922	32.251	.47263	2.2286	.67840	3.6704	.27438	1.8674	4.5056
#1	.00195	.00173	2.3179	3.0765	3.5337	.03638	81.578	.01781	.00948
#2	.00133	.00109	2.3335	3.1750	3.5000	.03453	81.262	.01735	.01011
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	**22.642**	**.00066**	**.00007**	F **91.12**	**-.00147**	**-.00263**	**10.933**	**-.00116**	**.79482**
Stddev	.204	.00002	.00043	.35	.00252	.00080	.034	.00018	.00653
%RSD	.90265	3.3070	584.05	.3814	171.19	30.286	.30934	15.757	.82098
#1	22.497	.00068	.00038	91.36	.00031	-.00207	10.909	-.00104	.79020
#2	22.786	.00065	-.00023	90.87	-.00326	-.00319	10.956	-.00129	.79943
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	**.00272**	**-.00091**	**.00079**	**-.00019**
Stddev	.00069	.00353	.00022	.00024
%RSD	25.559	388.94	27.684	122.53
#1	.00321	-.00340	.00063	-.00003
#2	.00223	.00159	.00094	-.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	**1849.0**	**2757.1**	**23945.**	**4510.1**
Stddev	5.8	1.6	47.	10.0
%RSD	.31268	.05975	.19713	.22204
#1	1853.0	2758.3	23911.	4517.2
#2	1844.9	2755.9	23978.	4503.1

Sample Name: 480-18281-J-1-A SD@5 Acquired: 4/10/2012 17:54:54 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	**-.00044**	**.01297**	**.00235**	**.03927**	**.00510**	**-.00013**	**22.830**	**.00025**	**-.00005**
Stddev	.00084	.02400	.00419	.00070	.00001	.00003	.068	.00002	.00003
%RSD	191.01	185.01	178.22	1.7736	.18159	25.880	.29845	7.8481	57.044
#1	.00015	.02994	-.00061	.03977	.00510	-.00011	22.878	.00024	-.00007
#2	-.00104	-.00400	.00531	.03878	.00509	-.00016	22.782	.00027	-.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	**.00001**	**.00110**	**.46130**	**.59496**	**.53018**	**.00665**	**15.568**	**.00381**	**.00176**
Stddev	.00017	.00013	.01269	.01820	.00187	.00032	.040	.00005	.00028
%RSD	2743.7	11.963	2.7506	3.0586	.35202	4.8321	.25572	1.2764	15.983
#1	.00013	.00101	.45232	.58209	.52886	.00643	15.540	.00384	.00156
#2	-.00012	.00120	.47027	.60782	.53150	.00688	15.596	.00377	.00196
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	**4.3561**	**.00056**	**.00175**	**17.19**	**-.00197**	**-.00327**	**2.1137**	**-.00100**	**.15662**
Stddev	.0079	.00031	.00181	.09	.00069	.00102	.0084	.00013	.00048
%RSD	.18106	55.874	103.37	.5188	34.843	31.288	.39834	13.367	.30733
#1	4.3616	.00078	.00303	17.25	-.00246	-.00254	2.1078	-.00091	.15696
#2	4.3505	.00034	.00047	17.13	-.00148	-.00399	2.1197	-.00110	.15628
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	**-.00001**	**.00026**	**-.00007**	**-.00149**
Stddev	.00045	.00183	.00021	.00044
%RSD	4840.8	694.80	324.49	29.742
#1	-.00033	-.00103	-.00022	-.00118
#2	.00031	.00156	.00008	-.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	**1987.9**	**2857.5**	**24807.**	**4531.3**
Stddev	.2	6.7	8.	12.5
%RSD	.01041	.23362	.03411	.27478
#1	1988.0	2852.7	24813.	4522.5
#2	1987.7	2862.2	24801.	4540.1

Sample Name: 480-18281-J-1-A PDS Acquired: 4/10/2012 17:57:13 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	**.04823**	**9.9008**	**.20923**	**.40090**	**.21706**	**.20566**	**122.14**	**.20805**	**.19670**
Stddev	.00211	.0763	.00367	.00306	.00052	.00100	.07	.00087	.00078
%RSD	4.3743	.77059	1.7530	.76363	.23857	.48630	.05849	.41985	.39403
#1	.04674	9.8469	.21182	.40306	.21743	.20496	122.09	.20867	.19725
#2	.04972	9.9548	.20664	.39873	.21670	.20637	122.19	.20743	.19615
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	**.19490**	**.20015**	**12.112**	**13.076**	**14.259**	**.23205**	**88.254**	**.22222**	**.21728**
Stddev	.00068	.00017	.061	.046	.188	.00040	.265	.00016	.00019
%RSD	.35116	.08711	.50436	.34998	1.3214	.17114	.30003	.07389	.08599
#1	.19442	.20028	12.069	13.108	14.126	.23233	88.442	.22234	.21742
#2	.19539	.20003	12.155	13.044	14.392	.23176	88.067	.22211	.21715
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	**31.900**	**.19711**	**.20559**	F **87.28**	**.20561**	**.19786**	**20.174**	**.20123**	**.96742**
Stddev	.064	.00219	.00330	.46	.00086	.00214	.139	.00223	.00440
%RSD	.19956	1.1130	1.6047	.5222	.41834	1.0795	.68863	1.1097	.45453
#1	31.945	.19866	.20792	87.61	.20501	.19937	20.075	.20280	.97053
#2	31.855	.19556	.20326	86.96	.20622	.19635	20.272	.19965	.96431
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	**.20667**	**.20658**	**.19282**	**.19792**
Stddev	.00005	.00106	.00138	.00119
%RSD	.02287	.51371	.71592	.59891
#1	.20663	.20733	.19184	.19876
#2	.20670	.20583	.19379	.19708
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	**1819.5**	**2770.8**	**24020.**	**4497.0**
Stddev	.2	5.2	13.	31.5
%RSD	.00970	.18659	.05213	.69997
#1	1819.3	2774.5	24029.	4519.3
#2	1819.6	2767.1	24011.	4474.8

Sample Name: 480-18281-J-1-B MS Acquired: 4/10/2012 17:59:32 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	**.04662**	**9.6048**	**.20430**	**.40184**	**.21093**	**.20141**	**126.11**	**.20470**	**.19280**
Stddev	.00004	.0900	.00120	.00207	.00232	.00059	.43	.00079	.00213
%RSD	.08173	.93748	.58980	.51511	1.0983	.29299	.34154	.38372	1.1031
#1	.04665	9.5411	.20345	.40330	.21257	.20100	126.41	.20525	.19430
#2	.04660	9.6685	.20515	.40037	.20929	.20183	125.80	.20414	.19130
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	**.19166**	**.19502**	**11.896**	**12.814**	**14.164**	**.22757**	**91.543**	**.21933**	**.21343**
Stddev	.00186	.00012	.039	.098	.075	.00163	.162	.00021	.00096
%RSD	.97082	.06365	.32774	.76778	.52893	.71737	.17693	.09704	.44913
#1	.19297	.19511	11.869	12.884	14.111	.22873	91.657	.21948	.21411
#2	.19034	.19493	11.924	12.744	14.217	.22642	91.428	.21918	.21275
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	**32.439**	**.19250**	**.20054**	F **90.92**	**.20328**	**.19838**	**20.405**	**.19752**	**.98776**
Stddev	.049	.00016	.00206	.47	.00255	.00273	.189	.00191	.00065
%RSD	.15090	.08511	1.0294	.5150	1.2556	1.3740	.92395	.96468	.06582
#1	32.405	.19238	.20200	91.25	.20508	.20031	20.538	.19887	.98822
#2	32.474	.19261	.19908	90.59	.20147	.19645	20.272	.19617	.98730
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	**.19973**	**.19919**	**.18952**	**.19627**
Stddev	.00140	.00447	.00197	.00053
%RSD	.70006	2.2461	1.0399	.27169
#1	.20072	.20235	.19092	.19665
#2	.19874	.19602	.18813	.19589
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	**1808.9**	**2758.5**	**23758.**	**4488.2**
Stddev	5.5	3.8	110.	8.3
%RSD	.30316	.13629	.46356	.18437
#1	1805.1	2755.9	23680.	4482.4
#2	1812.8	2761.2	23836.	4494.1

Sample Name: 480-18281-J-1-C MSD Acquired: 4/10/2012 18:01:53 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	.04637	9.6748	.20611	.40024	.21264	.20255	124.93	.20476	.19303
Stddev	.00098	.0590	.00059	.00194	.00061	.00036	.22	.00039	.00069
%RSD	2.1140	.61002	.28777	.48515	.28602	.17711	.17685	.19281	.35896
#1	.04706	9.7165	.20569	.40161	.21221	.20281	125.09	.20504	.19352
#2	.04568	9.6330	.20653	.39886	.21307	.20230	124.78	.20449	.19254
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	.19291	.19676	11.902	12.943	14.280	.22929	90.420	.21894	.21341
Stddev	.00199	.00100	.021	.041	.277	.00065	.153	.00067	.00094
%RSD	1.0309	.50691	.17646	.31853	1.9402	.28473	.16926	.30585	.43842
#1	.19151	.19746	11.887	12.914	14.084	.22975	90.312	.21847	.21407
#2	.19432	.19605	11.917	12.972	14.475	.22883	90.529	.21941	.21275
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	32.410	.19238	.20122	F 90.30	.20377	.19251	20.275	.19664	.98853
Stddev	.092	.00011	.00200	.44	.00082	.00334	.024	.00102	.00084
%RSD	.28236	.05970	.99443	.4844	.40367	1.7352	.11622	.51723	.08466
#1	32.475	.19247	.20264	90.61	.20436	.19487	20.292	.19736	.98793
#2	32.346	.19230	.19981	89.99	.20319	.19015	20.258	.19592	.98912
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	.19997	.19888	.19002	.19715
Stddev	.00007	.00201	.00009	.00084
%RSD	.03573	1.0105	.04738	.42552
#1	.20002	.19746	.18996	.19655
#2	.19992	.20030	.19008	.19774
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	1800.5	2749.8	23691.	4484.9
Stddev	.5	.9	96.	.8
%RSD	.02971	.03208	.40511	.01884
#1	1800.9	2749.2	23759.	4485.5
#2	1800.1	2750.4	23623.	4484.3

Sample Name: CCV Acquired: 4/10/2012 18:04:15 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	Fe2599	K_7664
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.45443**	**23.325**	**.49408**	**.49536**	**.46214**	**.48179**	**22.975**	**.50516**	**.46842**	**.47699**	**.47545**	**24.535**	**23.754**
Stddev	.00028	.119	.00383	.00066	.00065	.00181	.027	.00142	.00154	.00314	.00145	.038	.073
%RSD	.06243	.51219	.77425	.13281	.14044	.37466	.11867	.28048	.32916	.65847	.30481	.15521	.30626
#1	.45423	23.409	.49678	.49490	.46260	.48307	22.995	.50416	.46951	.47477	.47647	24.562	23.805
#2	.45463	23.240	.49137	.49583	.46168	.48051	22.956	.50616	.46733	.47921	.47442	24.508	23.702
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	**22.946**	**.46903**	**24.659**	**.50971**	**.50374**	**23.408**	**.47806**	**.47821**	**25.54**	**.51016**	**.49662**	**22.738**	**.49091**
Stddev	.350	.00114	.021	.00089	.00053	.043	.00034	.00298	.02	.00321	.00457	.013	.00288
%RSD	1.5259	.24352	.08523	.17530	.10529	.18337	.07122	.62244	.0663	.62842	.91986	.05626	.58743
#1	22.698	.46984	24.674	.51034	.50336	23.438	.47830	.47611	25.56	.51242	.49985	22.729	.49295
#2	23.194	.46822	24.644	.50908	.50411	23.378	.47782	.48032	25.53	.50789	.49339	22.747	.48887
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	**.47427**	**.49317**	**.49084**	**.47085**	**.47307**
Stddev	.00030	.00021	.00292	.00169	.00110
%RSD	.06416	.04292	.59549	.35909	.23264
#1	.47448	.49302	.48877	.47205	.47385
#2	.47405	.49332	.49291	.46966	.47229
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	**1967.3**	**2911.2**	**24508.**	**4508.8**
Stddev	1.0	7.5	8.	6.8
%RSD	.05056	.25765	.03174	.15153
#1	1968.0	2916.5	24502.	4513.6
#2	1966.6	2905.9	24513.	4504.0

Sample Name: CCB Acquired: 4/10/2012 18:06:32 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	**-.00035**	**-.01499**	**.00223**	**.00005**	**.00003**	**-.00012**	**.00034**	**-.00010**	**-.00016**	**.00019**	**.00106**	**.00601**	**-.01784**
Stddev	.00053	.00541	.00034	.00021	.00001	.00002	.00215	.00001	.00013	.00033	.00014	.00270	.03133
%RSD	149.50	36.107	15.325	433.02	28.191	18.258	632.57	13.868	81.615	173.69	12.952	44.873	175.68
#1	-.00073	-.01116	.00199	.00020	.00002	-.00014	-.00118	-.00011	-.00007	.00042	.00096	.00792	.00432
#2	.00002	-.01881	.00247	-.00010	.00004	-.00010	.00186	-.00009	-.00025	-.00004	.00116	.00410	-.03999
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	**.00148**	**-.00087**	**.00636**	**-.00018**	**.00015**	**-.01109**	**.00005**	**.00018**	**.0020**	**-.00147**	**-.00519**	**.01926**	**-.00076**
Stddev	.00011	.00038	.00186	.00019	.00009	.00466	.00075	.00040	.0017	.00144	.00057	.00329	.00043
%RSD	7.7260	43.360	29.265	106.71	62.000	42.019	1610.3	218.05	84.81	97.858	10.895	17.073	57.167
#1	.00140	-.00060	.00768	-.00004	.00008	-.00779	-.00048	-.00010	.0033	-.00249	-.00479	.02158	-.00045
#2	.00156	-.00113	.00504	-.00031	.00021	-.01438	.00058	.00046	.0008	-.00045	-.00559	.01693	-.00106
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**	**.00000**	**.00086**	**-.00022**	**-.00103**
Stddev	.00006	.0000	.00063	.00054	.00021
%RSD	450.23	493.54	73.676	248.41	20.703
#1	-.00003	-.00001	.00130	-.00060	-.00088
#2	.00005	.00001	.00041	.00017	-.00118
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	**2100.5**	**2932.4**	**26087.**	**4804.7**
Stddev	4.2	2.0	17.	5.9
%RSD	.19888	.06739	.06332	.12290
#1	2103.4	2931.0	26098.	4800.5
#2	2097.5	2933.8	26075.	4808.9

Sample Name: 480-18281-J-2-A Acquired: 4/10/2012 18:08:54 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	**-.00093**	**21.045**	**.03546**	**.11974**	**.11655**	**.00121**	**203.77**	**.00228**	**.02379**
Stddev	.00067	.155	.00374	.00006	.00003	.00013	.73	.00004	.00042
%RSD	71.851	.73704	10.536	.05277	.02568	10.620	.35721	1.5928	1.7619
#1	-.00140	20.935	.03282	.11979	.11657	.00130	204.28	.00230	.02349
#2	-.00046	21.155	.03811	.11970	.11653	.00112	203.25	.00225	.02409
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	**.03284**	**.03440**	**52.770**	**11.824**	**14.733**	**.11218**	F **286.78**	**9.5913**	**.06707**
Stddev	.00075	.00054	.112	.025	.107	.00023	.78	.0227	.00046
%RSD	2.2752	1.5660	.21190	.21115	.72451	.20855	.27271	.23627	.68677
#1	.03231	.03478	52.691	11.806	14.658	.11202	287.33	9.6073	.06674
#2	.03337	.03402	52.849	11.842	14.809	.11235	286.23	9.5753	.06739
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	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	**27.283**	**.05409**	**.03139**	F **159.3**	**-.00459**	**-.00739**	**43.323**	**.00017**	**.37770**
Stddev	.029	.00015	.00232	.8	.00180	.00419	.275	.00102	.00064
%RSD	.10667	.27299	7.3892	.5297	39.088	56.635	.63555	598.21	.16865
#1	27.303	.05420	.03303	159.9	-.00586	-.01035	43.518	-.00055	.37725
#2	27.262	.05399	.02975	158.8	-.00332	-.00443	43.128	.00089	.37815
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	**.38641**	**-.00488**	**.05350**	**.11872**
Stddev	.00976	.00240	.00008	.00050
%RSD	2.5252	49.246	.15766	.41799
#1	.37951	-.00318	.05344	.11907
#2	.39331	-.00658	.05356	.11837
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	**1726.9**	**2704.4**	**23764.**	**4765.1**
Stddev	1.0	1.4	133.	15.8
%RSD	.05885	.05045	.56171	.33145
#1	1726.2	2705.4	23669.	4776.3
#2	1727.6	2703.4	23858.	4754.0

Sample Name: 480-18281-J-3-A Acquired: 4/10/2012 18:11:17 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	**-.00111**	**.07603**	**.00498**	**.13851**	**.02419**	**-.00013**	**137.70**	**.00073**	**-.00028**
Stddev	.00035	.00472	.00148	.00144	.00012	.00012	.14	.00022	.00009
%RSD	32.063	6.2121	29.665	1.0404	.51196	89.738	.10329	29.544	32.207
#1	-.00136	.07269	.00602	.13953	.02410	-.00005	137.60	.00088	-.00022
#2	-.00086	.07937	.00393	.13749	.02428	-.00022	137.80	.00058	-.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	**.00118**	**.00228**	**.19880**	**3.5426**	**4.3598**	**.05076**	**109.81**	**.02812**	**.04954**
Stddev	.00047	.00024	.00205	.0414	.0150	.00228	.39	.00025	.00002
%RSD	40.001	10.415	1.0297	1.1687	.34371	4.4863	.35964	.89642	.03411
#1	.00085	.00211	.19735	3.5718	4.3704	.04915	110.09	.02829	.04955
#2	.00152	.00244	.20025	3.5133	4.3492	.05237	109.53	.02794	.04953
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	**48.147**	**49.991**	**.00210**	**.00004**	F **152.5**	**-.00132**	**-.00125**	**11.501**	**-.00144**
Stddev	.098	.366	.00007	.00183	.9	.00421	.00578	.004	.00108
%RSD	.20298	.73231	3.3535	4327.5	.5943	318.12	461.84	.03562	74.812
#1	48.078	50.250	.00205	-.00125	153.2	.00165	-.00534	11.498	-.00068
#2	48.216	49.732	.00215	.00133	151.9	-.00430	.00284	11.504	-.00220
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	**.43765**	**.00341**	**.00046**	**.00058**	**-.00095**
Stddev	.00197	.00057	.00322	.00003	.00015
%RSD	.44976	16.752	703.19	4.7643	15.258
#1	.43626	.00301	.00274	.00056	-.00085
#2	.43905	.00382	-.00182	.00060	-.00105
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	**1828.4**	**2739.8**	**24198.**	**4728.5**
Stddev	1.3	7.9	23.	5.5
%RSD	.07094	.28668	.09303	.11705
#1	1829.3	2734.3	24214.	4724.6
#2	1827.5	2745.4	24182.	4732.4

Sample Name: 480-18281-J-4-A Acquired: 4/10/2012 18:13:34 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	**-.00025**	**.06583**	**.00585**	**.17098**	**.02104**	**.00013**	**154.48**	**.00068**	**.00005**
Stddev	.00063	.02509	.00059	.00027	.00001	.00018	.16	.00017	.00015
%RSD	250.52	38.120	10.119	.15703	.06080	141.88	.10363	24.961	267.29
#1	-.00069	.08357	.00543	.17117	.02104	.00000	154.37	.00056	-.00005
#2	.00019	.04808	.00626	.17079	.02105	.00026	154.59	.00080	.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	**.00212**	**.00206**	**.14652**	**5.5886**	**7.0722**	**.07312**	**110.25**	**.01689**	**.01700**
Stddev	.00044	.00035	.00495	.0262	.0308	.00083	.25	.00003	.00039
%RSD	20.659	16.747	3.3817	.46883	.43607	1.1386	.22825	.14811	2.3165
#1	.00243	.00231	.15003	5.5701	7.0940	.07253	110.07	.01691	.01728
#2	.00181	.00182	.14302	5.6072	7.0504	.07371	110.43	.01687	.01672
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	**72.198**	**.00672**	**-.00028**	F **185.5**	**-.00197**	**-.00851**	**6.6206**	**-.00122**	**.73120**
Stddev	.539	.00109	.00490	1.0	.00002	.00593	.0113	.00049	.00386
%RSD	.74714	16.231	1720.4	.5655	1.0667	69.667	.17033	40.522	.52738
#1	71.817	.00749	-.00375	186.2	-.00199	-.01271	6.6285	-.00087	.72848
#2	72.580	.00595	.00318	184.7	-.00196	-.00432	6.6126	-.00157	.73393
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	**.00412**	**.00036**	**.00028**	**.00053**
Stddev	.00044	.00122	.00023	.00061
%RSD	10.762	339.13	82.675	117.06
#1	.00381	.00122	.00012	.00096
#2	.00443	-.00050	.00044	.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	**1813.8**	**2729.2**	**23942.**	**4726.7**
Stddev	4.4	.3	144.	9.2
%RSD	.24152	.00972	.60184	.19454
#1	1816.8	2729.0	24044.	4733.2
#2	1810.7	2729.4	23840.	4720.2

Sample Name: 480-18281-J-5-A Acquired: 4/10/2012 18:15:52 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	**-.00009**	**6.8268**	**.01379**	**.16190**	**.06000**	**.00009**	**336.95**	**.00111**	**.01091**
Stddev	.00032	.0000	.00144	.00090	.00006	.00006	.30	.00021	.00038
%RSD	360.04	.00050	10.448	.55337	.10580	64.017	.08772	19.253	3.5215
#1	-.00032	6.8268	.01277	.16253	.06004	.00005	337.16	.00126	.01118
#2	.00014	6.8267	.01480	.16126	.05995	.00014	336.74	.00096	.01064
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	**.01183**	**.01216**	**17.725**	**10.516**	**16.998**	**.18830**	F **299.23**	**.47472**	**.02934**
Stddev	.00010	.00036	.046	.009	.124	.00118	.46	.00124	.00017
%RSD	.86929	2.9469	.25785	.08876	.72938	.62768	.15420	.26051	.56313
#1	.01176	.01241	17.692	10.509	17.086	.18914	299.56	.47560	.02946
#2	.01190	.01191	17.757	10.523	16.910	.18747	298.90	.47385	.02922
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	**458.00**	**.01960**	**.00936**	F **674.8**	**-.00229**	**-.00211**	**25.574**	**-.00043**	**.59771**
Stddev	.59	.00052	.00117	6.1	.00018	.00763	.055	.00030	.00065
%RSD	.12803	2.6772	12.494	.9081	8.0273	361.00	.21441	69.617	.10939
#1	457.59	.01997	.01019	679.1	-.00216	-.00751	25.612	-.00022	.59725
#2	458.42	.01923	.00854	670.5	-.00242	.00328	25.535	-.00064	.59817
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	**.17378**	**-.00179**	**.01391**	**.01932**
Stddev	.00116	.00601	.00037	.00072
%RSD	.66507	335.70	2.6279	3.7278
#1	.17296	-.00604	.01365	.01881
#2	.17460	.00246	.01416	.01983
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	**1608.4**	**2591.5**	**22602.**	**4637.7**
Stddev	2.6	4.0	26.	13.0
%RSD	.16006	.15625	.11592	.27995
#1	1606.6	2588.6	22621.	4628.6
#2	1610.3	2594.3	22584.	4646.9

Sample Name: 480-18281-J-6-A Acquired: 4/10/2012 18:18:22 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	Ba4554-2	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	**-.00063**	**.02983**	**.10968**	**.23194**	**.03034**	**-.00004**	**168.77**	**.00046**	**.00062**
Stddev	.00078	.03302	.00134	.00164	.00011	.00010	1.97	.00004	.00009
%RSD	123.43	110.70	1.2235	.70777	.35428	231.10	1.1699	9.0987	14.954
#1	-.00008	.00648	.10873	.23310	.03026	-.00011	170.17	.00043	.00055
#2	-.00118	.05318	.11063	.23078	.03041	.00003	167.38	.00049	.00069
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	**.00137**	**.00213**	**13.911**	**3.4183**	**4.1798**	**.06085**	**118.89**	**.05826**	**.00932**
Stddev	.00095	.00034	.109	.0372	.1187	.00097	.23	.00040	.00020
%RSD	68.907	15.992	.78596	1.0866	2.8393	1.6017	.19614	.68805	2.1548
#1	.00070	.00237	13.988	3.4446	4.2638	.06154	118.73	.05798	.00917
#2	.00204	.00189	13.834	3.3920	4.0959	.06016	119.06	.05855	.00946
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	**28.385**	**.00356**	**.00493**	F **160.9**	**-.00257**	**-.00562**	**10.226**	**-.00149**	**.81433**
Stddev	.158	.00013	.00027	1.0	.00220	.00323	.154	.00024	.00357
%RSD	.55612	3.6508	5.3821	.6495	85.561	57.558	1.5054	16.080	.43844
#1	28.497	.00347	.00512	161.7	-.00102	-.00790	10.335	-.00166	.81685
#2	28.274	.00366	.00474	160.2	-.00413	-.00333	10.117	-.00132	.81180
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	**.00205**	**.00258**	**.00059**	**.00014**
Stddev	.00008	.00011	.00056	.00002
%RSD	3.8247	4.2656	94.630	12.856
#1	.00199	.00265	.00099	.00013
#2	.00210	.00250	.00020	.00016
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	**1816.4**	**2726.0**	**24136.**	**4731.7**
Stddev	4.3	3.6	147.	54.6
%RSD	.23914	.13324	.60708	1.1539
#1	1819.4	2723.5	24240.	4693.1
#2	1813.3	2728.6	24033.	4770.3

Sample Name: 480-18284-J-1-A Acquired: 4/10/2012 18:20:39 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	**-.00016**	**.52332**	**.00484**	**.11173**	**.01536**	**.00000**	**184.15**	**.00084**	**.00032**
Stddev	.00014	.04105	.00242	.00041	.00004	.0002	.21	.00024	.00006
%RSD	82.817	7.8433	49.976	.36889	.23632	4890.7	.11361	28.723	18.769
#1	-.00026	.49430	.00313	.11202	.01533	.00014	184.00	.00101	.00028
#2	-.00007	.55235	.00655	.11144	.01539	-.00015	184.30	.00067	.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	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**	**.00337**	**2.4496**	**4.1314**	**5.2639**	**.07066**	**205.24**	**.11033**	**.00307**
Stddev	.00045	.00007	.0200	.0020	.0309	.00078	.83	.00014	.00025
%RSD	17.088	2.2142	.81486	.04827	.58629	1.1049	.40620	.12511	7.9720
#1	.00296	.00342	2.4355	4.1328	5.2421	.07011	205.83	.11043	.00325
#2	.00232	.00332	2.4637	4.1300	5.2857	.07121	204.65	.11024	.00290
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	**32.214**	**.00828**	**.00398**	F **283.4**	**-.00114**	**-.00301**	**9.2620**	**-.00101**	**.43721**
Stddev	.054	.00021	.00176	2.0	.00205	.00558	.0189	.00027	.00098
%RSD	.16745	2.4830	44.326	.7171	179.27	185.22	.20422	26.320	.22359
#1	32.176	.00814	.00273	284.9	-.00259	-.00695	9.2753	-.00082	.43790
#2	32.252	.00843	.00522	282.0	.00031	.00093	9.2486	-.00120	.43652
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	**.02176**	**-.00117**	**.00186**	**.00175**
Stddev	.00271	.00195	.00039	.00034
%RSD	12.457	166.08	21.109	19.586
#1	.02368	-.00255	.00214	.00199
#2	.01985	.00020	.00158	.00151
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**	**2693.5**	**23857.**	**4727.3**
Stddev	3.0	1.5	61.	5.1
%RSD	.16847	.05705	.25597	.10831
#1	1790.6	2694.6	23813.	4731.0
#2	1786.4	2692.4	23900.	4723.7

Sample Name: 480-18122-E-1-C Acquired: 4/10/2012 18:22:58 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	**-.00053**	**.00539**	**.00597**	**.01373**	**.00523**	**-.00007**	**8.1650**	**.00008**	**-.00021**
Stddev	.00050	.01148	.00106	.00012	.00002	.00008	.0002	.00008	.00006
%RSD	95.986	212.75	17.671	.84432	.41279	115.15	.00237	92.751	26.108
#1	-.00088	-.00272	.00672	.01365	.00522	-.00013	8.1651	.00014	-.00025
#2	-.00017	.01351	.00523	.01381	.00525	-.00001	8.1649	.00003	-.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	**-.00020**	**.00152**	**.43859**	**3.1043**	**2.6836**	**.00097**	**2.0377**	**.06165**	**-.00002**
Stddev	.00053	.00004	.00719	.0154	.0268	.00097	.0000	.00010	.00029
%RSD	271.79	2.6920	1.6386	.49501	.99766	100.07	.00214	.16186	1320.3
#1	-.00057	.00149	.44368	3.0934	2.6646	.00028	2.0377	.06158	.00018
#2	.00018	.00155	.43351	3.1151	2.7025	.00165	2.0376	.06172	-.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	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	**6.5613**	**.00139**	**.00083**	**2.625**	**-.00157**	**-.00309**	**2.3667**	**-.00110**	**.05471**
Stddev	.0014	.00075	.00009	.026	.00121	.00209	.0407	.00005	.00023
%RSD	.02124	53.796	11.232	.9947	77.099	67.520	1.7210	4.2801	.42328
#1	6.5603	.00192	.00076	2.644	-.00071	-.00457	2.3379	-.00106	.05454
#2	6.5623	.00086	.00089	2.607	-.00243	-.00162	2.3955	-.00113	.05487
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	**.00125**	**.00084**	**-.00024**	**-.00051**
Stddev	.00068	.00281	.00026	.00047
%RSD	54.347	333.68	111.16	92.693
#1	.00077	-.00114	-.00005	-.00085
#2	.00173	.00283	-.00042	-.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	**2067.6**	**2906.1**	**25654.**	**4813.6**
Stddev	1.3	5.5	40.	11.8
%RSD	.06106	.18897	.15743	.24588
#1	2068.5	2902.2	25682.	4822.0
#2	2066.8	2910.0	25625.	4805.3

Sample Name: 480-18122-E-2-C Acquired: 4/10/2012 18:25:18 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	Ba4554-2	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	**-.00040**	**.11596**	**.00271**	**.01141**	**.00194**	**-.00008**	**6.9989**	**.00011**	**.00005**
Stddev	.00033	.01724	.00120	.00002	.00001	.00003	.0282	.00001	.00018
%RSD	80.833	14.867	44.224	.21291	.36195	30.816	.40276	8.2310	399.08
#1	-.00017	.10377	.00187	.01143	.00194	-.00010	7.0188	.00010	-.00008
#2	-.00064	.12815	.00356	.01139	.00193	-.00006	6.9789	.00011	.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	**.00079**	**.00227**	**.42484**	**4.0763**	**3.5186**	**-.00058**	**2.2344**	**.05623**	**-.00018**
Stddev	.00040	.00031	.00460	.0820	.0077	.00033	.0059	.00046	.00014
%RSD	51.076	13.684	1.0830	2.0114	.21930	56.513	.26365	.82331	77.300
#1	.00107	.00249	.42809	4.1343	3.5131	-.00035	2.2386	.05656	-.00028
#2	.00050	.00205	.42158	4.0183	3.5240	-.00081	2.2302	.05590	-.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	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	**6.8140**	**.00142**	**-.00006**	**2.890**	**.00061**	**.00132**	**.29101**	**-.00147**	**.04438**
Stddev	.0075	.00060	.00015	.012	.00015	.00544	.02226	.00011	.00001
%RSD	.10945	41.914	233.59	.4054	24.119	413.01	7.6484	7.1713	.01235
#1	6.8087	.00100	.00004	2.899	.00071	-.00253	.30675	-.00140	.04438
#2	6.8193	.00184	-.00017	2.882	.00050	.00516	.27528	-.00154	.04437
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	**.00397**	**-.00075**	**-.00013**	**-.00057**
Stddev	.00003	.00096	.00026	.00001
%RSD	.85459	128.81	200.14	1.9658
#1	.00395	-.00143	-.00032	-.00056
#2	.00400	-.00007	.00005	-.00058
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	**2061.0**	**2906.1**	**25630.**	**4786.7**
Stddev	6.2	.7	188.	24.8
%RSD	.29953	.02341	.73210	.51752
#1	2056.7	2906.6	25498.	4769.2
#2	2065.4	2905.6	25763.	4804.2

Sample Name: 480-18122-E-3-C Acquired: 4/10/2012 18:27:39 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	**-.00008**	**.09448**	**.00469**	**.01220**	**.00666**	**-.00003**	**7.4321**	**.00003**	**-.00013**
Stddev	.00017	.00486	.00209	.00003	.00000	.00005	.0069	.00002	.00022
%RSD	205.18	5.1469	44.476	.27253	.05456	171.05	.09228	71.746	172.90
#1	-.00020	.09792	.00322	.01217	.00665	-.00006	7.4273	.00002	.00003
#2	.00004	.09105	.00617	.01222	.00666	.00001	7.4370	.00005	-.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	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**	**.00255**	**.75876**	**4.0392**	**3.5093**	**-.00041**	**2.3713**	**.09346**	**.00005**
Stddev	.00043	.00028	.01369	.0343	.0411	.00056	.0197	.00037	.00033
%RSD	54.356	10.976	1.8043	.84976	1.1705	136.84	.83262	.39939	717.26
#1	.00048	.00275	.74908	4.0635	3.5384	-.00080	2.3852	.09372	-.00019
#2	.00109	.00235	.76844	4.0149	3.4803	-.00001	2.3573	.09319	.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	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	**7.3134**	**.00185**	**.00245**	**2.707**	**-.00059**	**-.00726**	**1.5896**	**-.00166**	**.04990**
Stddev	.0064	.00033	.00111	.009	.00053	.00096	.0084	.00031	.00047
%RSD	.08696	17.755	45.350	.3387	90.355	13.260	.52656	18.425	.93563
#1	7.3089	.00208	.00167	2.713	-.00097	-.00658	1.5837	-.00187	.04957
#2	7.3179	.00162	.00324	2.701	-.00021	-.00794	1.5955	-.00144	.05023
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	**.00411**	**.00266**	**.00014**	**-.00006**
Stddev	.00062	.00193	.00068	.00037
%RSD	15.134	72.401	471.02	665.17
#1	.00455	.00130	.00063	-.00032
#2	.00367	.00402	-.00034	.00021
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	**2066.3**	**2899.9**	**25844.**	**4822.8**
Stddev	3.3	5.0	35.	5.9
%RSD	.16040	.17363	.13580	.12325
#1	2064.0	2896.3	25869.	4827.0
#2	2068.7	2903.5	25819.	4818.6

Sample Name: 480-18122-E-4-C Acquired: 4/10/2012 18:29:59 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	**-.00028**	**.46486**	**.00339**	**.01147**	**.00306**	**-.00019**	**7.0155**	**.00022**	**.00033**
Stddev	.00000	.05126	.00016	.00038	.00002	.00006	.0660	.00008	.00011
%RSD	.76116	11.026	4.7409	3.3241	.68565	28.939	.94032	34.969	34.091
#1	-.00028	.50110	.00328	.01174	.00308	-.00023	6.9688	.00027	.00025
#2	-.00029	.42862	.00350	.01120	.00305	-.00015	7.0621	.00016	.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	**.00106**	**.00281**	**.75033**	**4.0692**	**3.5656**	**.00027**	**2.2918**	**.06678**	**.00012**
Stddev	.00061	.00018	.02057	.0316	.0457	.00134	.0118	.00013	.00024
%RSD	57.314	6.2453	2.7415	.77695	1.2825	501.84	.51683	.19492	206.03
#1	.00149	.00268	.73579	4.0468	3.5333	.00121	2.2834	.06668	.00028
#2	.00063	.00293	.76488	4.0916	3.5979	-.00068	2.3001	.06687	-.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	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	**6.7457**	**.00117**	**.00244**	**2.911**	**-.00043**	**-.00060**	**.70181**	**-.00114**	**.04471**
Stddev	.0224	.00002	.00205	.032	.00108	.00400	.00006	.00025	.00002
%RSD	.33165	2.1277	83.849	1.107	251.03	672.60	.00807	22.258	.04864
#1	6.7298	.00119	.00389	2.934	-.00120	-.00343	.70185	-.00132	.04469
#2	6.7615	.00115	.00099	2.888	.00033	.00224	.70177	-.00096	.04472
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	**.02329**	**.00087**	**.00058**	**.00107**
Stddev	.00006	.00200	.00049	.00033
%RSD	.25064	229.17	84.627	31.084
#1	.02325	-.00054	.00093	.00084
#2	.02333	.00229	.00023	.00131
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	**2074.5**	**2912.3**	**25827.**	**4822.2**
Stddev	.5	2.6	174.	45.7
%RSD	.02350	.08803	.67182	.94752
#1	2074.1	2910.4	25949.	4854.5
#2	2074.8	2914.1	25704.	4789.9

Sample Name: CCV Acquired: 4/10/2012 18:32:22 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
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.45193	22.777	.49421	.49016	.45673	.47529	F 22.185	.50325	.46489	.46645	.48185	24.006
Stddev	.00065	.148	.00130	.00181	.00397	.00001	.130	.00195	.00190	.00305	.00089	.061
%RSD	.14393	.65036	.26386	.36885	.86898	.00217	.58443	.38653	.40850	.65368	.18557	.25578
#1	.45147	22.882	.49329	.49143	.45953	.47529	22.277	.50462	.46623	.46861	.48122	23.962
#2	.45239	22.672	.49513	.48888	.45392	.47528	22.093	.50187	.46354	.46430	.48248	24.049
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value							25.000					
Range							-10.000%					

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	23.529	23.509	.46861	24.571	.50346	.50100	23.197	.47601	.47236	25.67	.50839	.50322
Stddev	.015	.506	.00022	.028	.00136	.00112	.069	.00441	.00019	.15	.00277	.00774
%RSD	.06182	2.1504	.04649	.11332	.26965	.22436	.29548	.92705	.04110	.5921	.54507	1.5382
#1	23.518	23.152	.46877	24.591	.50442	.50179	23.246	.47913	.47222	25.78	.51035	.49774
#2	23.539	23.867	.46846	24.551	.50250	.50020	23.149	.47289	.47250	25.57	.50643	.50869
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	Si2881	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F 22.061	.48827	.47178	.49192	.48681	.46028	.45365
Stddev	.134	.00294	.00027	.00193	.00947	.00106	.00108
%RSD	.60623	.60187	.05623	.39149	1.9458	.23108	.23812
#1	22.155	.49035	.47197	.49328	.49351	.46103	.45441
#2	21.966	.48620	.47159	.49055	.48011	.45953	.45289
Check ?	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value	25.000						
Range	-10.000%						

Int. Std.	In2306	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	1950.2	2874.6	25183.	4759.8
Stddev	3.3	1.1	35.	11.8
%RSD	.16833	.03744	.13861	.24732
#1	1947.9	2875.4	25158.	4768.1
#2	1952.5	2873.9	25208.	4751.5

Sample Name: CCB Acquired: 4/10/2012 18:34:37 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	Ba4554-2	Be3130	Ca3179	Cd2288	Co2286	Cr2677	Cu3247	Fe2599	K_7664
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00017**	**-.01513**	**.00238**	**-.00041**	**.00004**	**.00002**	**.00674**	**.00014**	**-.00014**	**-.00009**	**.00041**	**-.00147**	**.00082**
Stddev	.00140	.02194	.00008	.00074	.00001	.00001	.00563	.00001	.00004	.00008	.00059	.00186	.00601
%RSD	834.60	145.05	3.3214	179.64	25.225	30.867	83.514	10.750	30.105	84.014	144.39	126.57	733.42
#1	-.00116	.00039	.00244	-.00093	.00005	.00002	.00276	.00013	-.00011	-.00015	.00082	-.00279	.00507
#2	.00082	-.03064	.00233	.00011	.00003	.00002	.01073	.00015	-.00017	-.00004	-.00001	-.00015	-.00343
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	**.00164**	**-.00051**	**.00412**	**-.00008**	**.00015**	**-.00541**	**.00099**	**-.00124**	**.0011**	**-.00094**	**-.00331**	**.02535**	**-.00025**
Stddev	.00030	.00102	.00096	.00021	.00005	.00534	.00046	.00256	.0003	.00183	.00197	.01630	.00082
%RSD	18.525	198.61	23.406	268.16	30.385	98.681	46.246	205.48	31.54	194.69	59.584	64.292	329.88
#1	.00185	.00021	.00344	-.00023	.00018	-.00919	.00131	-.00305	.0013	.00035	-.00192	.03687	.00033
#2	.00142	-.00123	.00480	.00007	.00012	-.00164	.00067	.00056	.0008	-.00223	-.00471	.01382	-.00082
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**	**.00017**	**-.00253**	**-.00002**	**-.00116**
Stddev	.00004	.00020	.00052	.00007	.00001
%RSD	93.429	115.88	20.364	365.21	1.0824
#1	.00008	.00032	-.00217	-.00007	-.00117
#2	.00002	.00003	-.00290	.00003	-.00115
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	**2098.3**	**2916.4**	**25886.**	**4726.9**
Stddev	3.6	12.2	18.	14.6
%RSD	.16975	.41720	.06805	.30926
#1	2095.7	2907.8	25874.	4737.2
#2	2100.8	2925.0	25899.	4716.6

Sample Name: 480-18103-J-2-D Acquired: 4/10/2012 18:37:00 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	**-.00118**	**39.505**	**.01633**	**.40727**	**.36437**	**.00343**	F **1563.4**	**.00450**	**.03745**
Stddev	.00150	.072	.00197	.00181	.00067	.00010	4.4	.00019	.00026
%RSD	127.43	.18253	12.049	.44444	.18416	2.8235	.28167	4.1736	.68832
#1	-.00012	39.454	.01772	.40855	.36390	.00350	1560.2	.00437	.03763
#2	-.00224	39.556	.01494	.40599	.36485	.00336	1566.5	.00463	.03726
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass
High Limit							1000.0		
Low Limit							-.50000		

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	**.85622**	**.06185**	**43.885**	**11.392**	**18.331**	**.14366**	**175.10**	**11.448**	**.04302**
Stddev	.00188	.00030	.216	.026	.228	.00031	.36	.048	.00026
%RSD	.21933	.49273	.49122	.23255	1.2411	.21478	.20584	.41590	.61217
#1	.85489	.06206	43.733	11.410	18.492	.14387	174.84	11.414	.04320
#2	.85754	.06163	44.038	11.373	18.171	.14344	175.35	11.482	.04283
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	**66.926**	**.75506**	k **.06579**	F **100.9**	k **-.00070**	**-.00555**	**30.257**	**.00080**	**3.1303**
Stddev	.297	.00409	.00068	.5	.00185	.00617	.031	.00010	.0006
%RSD	.44331	.54177	1.0352	.4678	266.73	111.25	.10245	12.120	.01941
#1	66.716	.75795	k .06628	101.2	k .00062	-.00991	30.279	.00073	3.1307
#2	67.136	.75217	k .06531	100.6	k -.00201	-.00118	30.235	.00087	3.1299
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	**.48616**	**-.00519**	**.04626**	**.98654**
Stddev	.00321	.00154	.00022	.00507
%RSD	.65939	29.665	.47507	.51350
#1	.48389	-.00410	.04610	.98296
#2	.48842	-.00628	.04641	.99012
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	**1467.9**	**2546.5**	**22096.**	**4656.2**
Stddev	1.2	.7	55.	12.4
%RSD	.07967	.02809	.24853	.26711
#1	1467.1	2547.0	22057.	4665.0
#2	1468.8	2546.0	22134.	4647.4

Sample Name: 480-18090-G-1-C Acquired: 4/10/2012 18:39:24 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	**-.00049**	**.02707**	**.00404**	**.53157**	**.79242**	**.00006**	**187.06**	**.00053**	**.00188**
Stddev	.00048	.05173	.00057	.00341	.00685	.00008	1.35	.00034	.00001
%RSD	97.394	191.07	14.068	.64086	.86436	140.47	.72194	63.750	.37449
#1	-.00083	-.00950	.00364	.53398	.79726	.00000	188.01	.00077	.00187
#2	-.00015	.06365	.00444	.52916	.78758	.00012	186.10	.00029	.00188
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	**.00237**	**.00472**	**2.2599**	**39.253**	**47.431**	**.03175**	**93.563**	**.70459**	**.00049**
Stddev	.00007	.00037	.0058	.147	.248	.00008	.918	.00510	.00001
%RSD	2.8672	7.8767	.25490	.37396	.52214	.26576	.98124	.72322	2.7221
#1	.00242	.00446	2.2640	39.357	47.606	.03169	94.212	.70819	.00048
#2	.00232	.00499	2.2558	39.149	47.256	.03181	92.913	.70098	.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	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	**176.90**	**.02502**	**.00336**	F **66.27**	**-.00265**	**.00282**	**6.4010**	**-.00064**	**1.7051**
Stddev	.30	.00011	.00011	.45	.00049	.00264	.0536	.00110	.0109
%RSD	.16863	.42810	3.2445	.6752	18.413	93.577	.83681	170.27	.63854
#1	177.11	.02495	.00328	66.58	-.00300	.00468	6.4389	-.00142	1.7128
#2	176.68	.02510	.00344	65.95	-.00231	.00095	6.3632	.00013	1.6974
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	**.00150**	**.00006**	**.00141**	**.00323**
Stddev	.00070	.00109	.00009	.00029
%RSD	46.621	1777.3	6.3134	8.9856
#1	.00101	-.00071	.00135	.00303
#2	.00200	.00083	.00148	.00344
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	**1750.9**	**2691.1**	**23581.**	**4720.9**
Stddev	2.8	2.6	95.	47.2
%RSD	.16232	.09513	.40435	.99985
#1	1748.9	2689.2	23514.	4687.5
#2	1752.9	2692.9	23649.	4754.2

Sample Name: 480-17988-A-4-B Acquired: 4/10/2012 18:41:53 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	**-.00074**	**.17644**	**.00671**	**.30662**	**.04658**	**-.00012**	**99.843**	**.00056**	**.00010**
Stddev	.00142	.03335	.00054	.00167	.00004	.00001	.117	.00013	.00014
%RSD	192.18	18.903	8.0867	.54499	.08996	12.040	.11752	22.546	138.40
#1	-.00174	.20002	.00710	.30781	.04655	-.00013	99.926	.00047	.00000
#2	.00026	.15285	.00633	.30544	.04661	-.00011	99.760	.00065	.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	**.04797**	**.01227**	**2.0407**	**130.02**	**122.46**	**.03263**	**50.329**	**.15419**	**.04416**
Stddev	.00057	.00006	.0071	.32	.48	.00011	.167	.00034	.00004
%RSD	1.1868	.48279	.34885	.24932	.38883	.35086	.33183	.22189	.09540
#1	.04756	.01231	2.0457	130.25	122.13	.03271	50.447	.15443	.04413
#2	.04837	.01222	2.0357	129.79	122.80	.03255	50.210	.15395	.04419
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	**158.87**	**.01696**	**.00222**	F **149.7**	**-.00119**	**-.00049**	**9.4599**	**-.00056**	**.48447**
Stddev	.27	.00164	.00238	1.1	.00194	.00372	.0645	.00036	.00103
%RSD	.17015	9.6756	106.95	.7071	163.34	752.28	.68169	63.491	.21220
#1	159.06	.01812	.00054	150.5	-.00256	.00214	9.5055	-.00082	.48520
#2	158.68	.01580	.00390	149.0	.00018	-.00313	9.4143	-.00031	.48375
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	**.00538**	**.00060**	**.00167**	**.01716**
Stddev	.00045	.00110	.00095	.00000
%RSD	8.2849	184.45	56.778	.00048
#1	.00570	-.00018	.00100	.01716
#2	.00507	.00138	.00235	.01716
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	**1792.6**	**2733.8**	**23877.**	**4757.8**
Stddev	3.4	1.4	9.	15.5
%RSD	.19126	.05076	.03585	.32653
#1	1790.1	2732.8	23883.	4746.8
#2	1795.0	2734.8	23871.	4768.8

Sample Name: MB 480-58751/1-A Acquired: 4/10/2012 18:44:17 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	**-.00049**	**.00206**	**.00196**	**.00449**	**.00006**	**-.00019**	**.08374**	**.00013**	**-.00012**
Stddev	.00058	.04079	.00191	.00016	.00000	.00012	.01225	.00010	.00006
%RSD	117.43	1979.2	97.436	3.6269	3.9681	61.352	14.627	76.396	51.199
#1	-.00090	.03090	.00061	.00438	.00006	-.00011	.09240	.00006	-.00008
#2	-.00008	-.02678	.00331	.00461	.00006	-.00027	.07507	.00020	-.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	**.00025**	**.00085**	**.01893**	**.03774**	**.01059**	**-.00057**	**-.00477**	F **.00087**	**-.00004**
Stddev	.00036	.00029	.00029	.01909	.00153	.00087	.00029	.00009	.00005
%RSD	145.23	33.615	1.5121	50.574	14.425	152.93	6.0235	10.815	124.86
#1	.00050	.00105	.01873	.02425	.01167	-.00118	-.00497	.00081	-.00007
#2	-.00001	.00065	.01913	.05124	.00951	.00005	-.00456	.00094	.00000
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	**.08489**	**.00140**	**-.00133**	F **.0301**	**-.00226**	**-.00547**	**.01156**	**-.00138**	**.00029**
Stddev	.00291	.00048	.00070	.0022	.00122	.00362	.02374	.00016	.00009
%RSD	3.4242	34.619	53.055	7.189	54.045	66.121	205.31	11.658	29.679
#1	.08283	.00174	-.00182	.0286	-.00313	-.00291	.02835	-.00149	.00035
#2	.08694	.00105	-.00083	.0317	-.00140	-.00803	-.00522	-.00126	.00023
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	**.00023**	**.00118**	**-.00022**	**-.00026**
Stddev	.00010	.00220	.00067	.00068
%RSD	42.574	187.21	308.92	260.70
#1	.00016	.00274	.00026	-.00074
#2	.00029	-.00038	-.00069	.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	**2116.5**	**2940.8**	**26159.**	**4816.4**
Stddev	3.1	2.0	17.	9.6
%RSD	.14493	.06725	.06336	.19864
#1	2114.4	2939.4	26171.	4809.6
#2	2118.7	2942.2	26147.	4823.1

Sample Name: LCS 480-58751/2-A Acquired: 4/10/2012 18:46:38 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	.04549	8.9431	.19922	.20074	.18474	.19923	8.8509	.20341	.18872
Stddev	.00022	.0834	.00115	.00190	.00009	.00038	.0375	.00172	.00080
%RSD	.49334	.93253	.57858	.94657	.04868	.19174	.42398	.84797	.42492
#1	.04565	8.8841	.20003	.20208	.18481	.19896	8.8243	.20463	.18929
#2	.04533	9.0020	.19840	.19939	.18468	.19950	8.8774	.20219	.18815
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	.18706	.19412	9.5266	9.1103	F 8.2211	.18385	9.8394	.20520	.20571
Stddev	.00113	.00084	.0382	.0683	.0227	.00194	.0250	.00051	.00023
%RSD	.60407	.43506	.40047	.74922	.27564	1.0540	.25452	.25065	.10981
#1	.18786	.19353	9.5535	9.0621	8.2050	.18248	9.8217	.20556	.20587
#2	.18626	.19472	9.4996	9.1586	8.2371	.18522	9.8571	.20483	.20555
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					11.500				
Low Limit					8.5000				

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	9.0744	.19001	.19350	F .0164	.20350	.19539	8.9904	.18758	.18666
Stddev	.0439	.00080	.00037	.0037	.00359	.00168	.0850	.00019	.00072
%RSD	.48402	.41986	.18882	22.76	1.7633	.85739	.94586	.10379	.38355
#1	9.0434	.18944	.19324	.0190	.20604	.19658	8.9303	.18772	.18615
#2	9.1055	.19057	.19376	.0137	.20096	.19421	9.0506	.18744	.18716
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	.19449	.19847	.18179	.19289
Stddev	.00109	.00057	.00098	.00140
%RSD	.56235	.28591	.53733	.72611
#1	.19527	.19807	.18248	.19388
#2	.19372	.19888	.18110	.19190
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	2034.6	2910.3	25828.	4861.6
Stddev	2.3	1.3	27.	15.8
%RSD	.11360	.04545	.10587	.32433
#1	2036.2	2909.4	25808.	4872.8
#2	2033.0	2911.3	25847.	4850.5

Sample Name: 360-39885-H-3-B Acquired: 4/10/2012 18:48:59 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	**-.00210**	**.64833**	**.02279**	**.93822**	**.04656**	**-.00022**	**775.31**	**.00699**	**.00868**
Stddev	.00092	.02794	.00114	.01477	.00005	.00010	.56	.00001	.00046
%RSD	43.942	4.3094	4.9933	1.5737	.11169	46.966	.07230	.10561	5.3429
#1	-.00145	.66809	.02359	.94866	.04659	-.00029	774.91	.00699	.00901
#2	-.00275	.62858	.02198	.92778	.04652	-.00015	775.70	.00700	.00835
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	**.01115**	**.01201**	**.64163**	**128.78**	**^ *****	**.12084**	**26.306**	**.81764**	**2.3834**
Stddev	.00004	.00089	.00132	.61	-----	.00053	.068	.00228	.0483
%RSD	.37593	7.4200	.20648	.47674	-----	.43826	.25919	.27851	2.0256
#1	.01118	.01138	.64069	128.35	^ -----	.12121	26.354	.81925	2.4175
#2	.01112	.01264	.64256	129.21	^ -----	.12046	26.258	.81603	2.3493
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	F **11151.**	**.58683**	**-.00026**	F **2242.**	**-.00085**	**.01306**	**.72308**	**-.00065**	F **10.360**
Stddev	65.	.01199	.00175	37.	.00246	.00904	.00465	.00009	.006
%RSD	.57876	2.0427	664.83	1.637	288.95	69.160	.64329	14.166	.05322
#1	11106.	.59531	-.00150	2268.	.00089	.01945	.71979	-.00072	10.356
#2	11197.	.57836	.00097	2216.	-.00259	.00668	.72637	-.00059	10.364
Check ?	Chk Fail	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail
High Limit	5000.0			25.00					10.000
Low Limit	-1.0000			-.0100					-.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	**.00527**	**-.00918**	**.00530**	**.04685**
Stddev	.00024	.00527	.00031	.00160
%RSD	4.4644	57.379	5.8250	3.4059
#1	.00510	-.01290	.00508	.04572
#2	.00543	-.00545	.00551	.04798
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	**1115.2**	**2153.5**	**17557.**	**4299.7**
Stddev	5.0	9.4	11.	3.5
%RSD	.44952	.43733	.06132	.08095
#1	1111.7	2146.8	17564.	4297.2
#2	1118.8	2160.2	17549.	4302.2

Sample Name: 480-18272-C-2-B Acquired: 4/10/2012 18:51:38 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	**-.00034**	**-.00314**	**.00464**	**.12020**	**.19480**	**.00109**	**29.620**	**.00005**	**-.00018**
Stddev	.00076	.03797	.00004	.00087	.00013	.00000	.198	.00007	.00000
%RSD	221.63	1211.1	.78606	.72639	.06424	.01820	.66915	152.44	.93486
#1	-.00088	-.02998	.00467	.12081	.19489	.00109	29.761	.00000	-.00018
#2	.00019	.02371	.00462	.11958	.19471	.00109	29.480	.00010	-.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	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	**.00165**	**.00295**	**5.7558**	**6.4857**	**7.7399**	**.00050**	**12.105**	**.28206**	**.00155**
Stddev	.00039	.00015	.0167	.0051	.0949	.00117	.038	.00006	.00021
%RSD	23.839	5.1998	.29071	.07813	1.2259	231.88	.31489	.02045	13.834
#1	.00192	.00284	5.7676	6.4893	7.6729	.00133	12.132	.28202	.00140
#2	.00137	.00305	5.7439	6.4822	7.8070	-.00032	12.078	.28210	.00170
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	**140.19**	**.00150**	**.00206**	**1.538**	**-.00150**	**-.00208**	**4.9800**	**-.00088**	**.30322**
Stddev	.52	.00024	.00158	.035	.00100	.00104	.0331	.00070	.00064
%RSD	.36745	16.239	76.548	2.292	66.761	50.213	.66483	79.504	.21090
#1	139.83	.00167	.00095	1.563	-.00079	-.00281	4.9566	-.00039	.30277
#2	140.56	.00133	.00318	1.513	-.00221	-.00134	5.0035	-.00137	.30368
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	**.00161**	**-.00132**	**.00069**	**.00775**
Stddev	.00039	.00252	.00038	.00074
%RSD	24.060	191.15	54.726	9.5399
#1	.00133	.00046	.00095	.00722
#2	.00188	-.00309	.00042	.00827
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	**1902.3**	**2840.9**	**24679.**	**4769.7**
Stddev	.5	2.0	103.	11.1
%RSD	.02861	.07016	.41716	.23355
#1	1901.9	2842.3	24607.	4761.8
#2	1902.7	2839.5	24752.	4777.5

Sample Name: 480-18272-C-2-B SD@5 Acquired: 4/10/2012 18:54:03 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	**-.00068**	**-.02908**	**.00214**	**.02379**	**.03940**	**.00001**	**5.8579**	**-.00008**	**-.00019**
Stddev	.00055	.01131	.00050	.00056	.00002	.00014	.0283	.00016	.00031
%RSD	80.957	38.899	23.256	2.3711	.04228	1241.5	.48241	206.37	160.90
#1	-.00107	-.02108	.00250	.02418	.03941	-.00009	5.8779	-.00019	.00003
#2	-.00029	-.03708	.00179	.02339	.03939	.00011	5.8379	.00004	-.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	**.00081**	**.00139**	**1.1419**	**1.2579**	**1.1649**	**-.00055**	**2.3893**	**.05581**	**.00004**
Stddev	.00009	.00014	.0245	.0316	.0037	.00058	.0192	.00006	.00047
%RSD	11.087	10.079	2.1472	2.5080	.32230	105.48	.80456	.10231	1132.5
#1	.00088	.00129	1.1246	1.2802	1.1623	-.00014	2.4028	.05585	.00037
#2	.00075	.00149	1.1592	1.2356	1.1676	-.00096	2.3757	.05577	-.00029
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	**26.408**	**.00100**	**.00152**	**.3239**	**-.00305**	**-.00318**	**.98072**	**.00014**	**.05994**
Stddev	.046	.00001	.00047	.0071	.00123	.00262	.01378	.00013	.00008
%RSD	.17578	.93290	30.967	2.201	40.230	82.433	1.4048	88.491	.14022
#1	26.441	.00099	.00185	.3290	-.00218	-.00133	.97097	.00005	.05988
#2	26.375	.00101	.00119	.3189	-.00392	-.00504	.99046	.00023	.06000
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	**.00023**	**-.00149**	**.00028**	**-.00038**
Stddev	.00013	.00200	.00048	.00045
%RSD	56.146	133.54	170.57	119.45
#1	.00014	-.00291	.00062	-.00069
#2	.00032	-.00008	-.00006	-.00006
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	**2027.3**	**2880.8**	**25450.**	**4736.8**
Stddev	8.2	9.0	70.	5.9
%RSD	.40235	.31202	.27393	.12415
#1	2021.5	2874.4	25400.	4732.7
#2	2033.0	2887.1	25499.	4741.0

Sample Name: 480-18272-C-2-B PDS Acquired: 4/10/2012 18:56:22 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	Ba4554-2	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	**.04467**	**9.4916**	**.20594**	**.32288**	**.37823**	**.20332**	**37.487**	**.20587**	**.19517**
Stddev	.00082	.0415	.00157	.00162	.00004	.00081	.135	.00117	.00155
%RSD	1.8244	.43780	.76352	.50160	.01011	.39728	.36012	.56789	.79403
#1	.04410	9.4622	.20705	.32403	.37821	.20275	37.391	.20670	.19626
#2	.04525	9.5210	.20483	.32174	.37826	.20389	37.582	.20505	.19407
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	**.19016**	**.20143**	**15.076**	**15.890**	**19.241**	**.19579**	**21.569**	**.47130**	**.20700**
Stddev	.00040	.00041	.025	.018	.194	.00118	.081	.00075	.00200
%RSD	.20848	.20580	.16518	.11174	1.0104	.60061	.37345	.15947	.96438
#1	.19044	.20172	15.058	15.902	19.104	.19496	21.512	.47077	.20841
#2	.18988	.20113	15.094	15.877	19.379	.19662	21.626	.47183	.20559
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	**144.71**	**.19628**	**.20133**	**1.355**	**.20494**	**.19656**	**14.211**	**.18935**	**.48865**
Stddev	.23	.00090	.00053	.008	.00036	.00055	.029	.00102	.00035
%RSD	.15861	.45816	.26512	.6041	.17368	.28038	.20612	.53821	.07182
#1	144.55	.19691	.20171	1.361	.20468	.19695	14.190	.19007	.48890
#2	144.88	.19564	.20095	1.350	.20519	.19617	14.232	.18863	.48840
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	**.20133**	**.19768**	**.18863**	**.20592**
Stddev	.00095	.00356	.00101	.00040
%RSD	.47091	1.7994	.53366	.19195
#1	.20200	.20019	.18792	.20620
#2	.20066	.19516	.18935	.20564
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	**1874.9**	**2840.6**	**24757.**	**4816.7**
Stddev	1.1	.7	25.	1.5
%RSD	.05692	.02303	.10086	.03016
#1	1875.7	2841.1	24739.	4815.7
#2	1874.2	2840.2	24775.	4817.8

Sample Name: 480-18272-C-2-C MS Acquired: 4/10/2012 18:58:43 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	**.04646**	**9.2796**	**.20300**	**.32507**	**.38410**	**.20222**	**38.949**	**.20419**	**.19297**
Stddev	.00012	.0669	.00455	.00214	.00024	.00038	.065	.00182	.00151
%RSD	.24965	.72129	2.2422	.65781	.06337	.18640	.16661	.88895	.78069
#1	.04654	9.2323	.20622	.32658	.38393	.20249	38.903	.20548	.19404
#2	.04638	9.3270	.19978	.32355	.38428	.20196	38.995	.20291	.19191
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	**.18742**	**.20041**	**15.221**	**15.992**	**19.120**	**.19257**	**21.914**	**.48264**	**.20560**
Stddev	.00024	.00032	.045	.001	.184	.00007	.039	.00066	.00186
%RSD	.12540	.15775	.29721	.00854	.96001	.03386	.17786	.13757	.90310
#1	.18726	.20018	15.253	15.993	18.990	.19261	21.887	.48217	.20691
#2	.18759	.20063	15.189	15.991	19.249	.19252	21.942	.48311	.20429
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	**151.26**	**.19351**	**.19848**	**1.418**	**.20480**	**.19751**	**14.237**	**.19437**	**.49805**
Stddev	.06	.00144	.00114	.003	.00099	.00269	.028	.00233	.00083
%RSD	.03752	.74157	.57238	.1935	.48439	1.3617	.19454	1.2013	.16682
#1	151.22	.19453	.19767	1.420	.20410	.19560	14.256	.19602	.49746
#2	151.30	.19250	.19928	1.416	.20550	.19941	14.217	.19272	.49864
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	**.20060**	**.19601**	**.18684**	**.20304**
Stddev	.00113	.00317	.00125	.00114
%RSD	.56224	1.6197	.67074	.56071
#1	.19981	.19825	.18596	.20223
#2	.20140	.19376	.18773	.20384
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	**1862.9**	**2814.7**	**24624.**	**4780.2**
Stddev	4.8	4.7	112.	15.6
%RSD	.25752	.16603	.45380	.32620
#1	1859.5	2811.4	24703.	4769.1
#2	1866.3	2818.0	24545.	4791.2

Sample Name: CCV Acquired: 4/10/2012 19:01:07 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
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.45241	22.942	.49038	.49066	.45886	.47369	F 22.201	.50302	.46360	.46740	.48439	23.879
Stddev	.00001	.100	.00361	.00034	.00218	.00164	.153	.00084	.00242	.00052	.00011	.193
%RSD	.00125	.43667	.73686	.06993	.47461	.34650	.68745	.16632	.52182	.11067	.02233	.80760
#1	.45241	22.871	.48782	.49042	.45732	.47253	22.093	.50243	.46531	.46703	.48447	23.743
#2	.45242	23.013	.49293	.49091	.46040	.47485	22.308	.50361	.46188	.46776	.48431	24.016
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value							25.000					
Range							-10.000%					

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	23.603	23.900	.46957	24.580	.50207	.50291	23.368	.47587	.47471	25.73	.51131	.49908
Stddev	.024	.347	.00301	.096	.00054	.00012	.100	.00263	.00272	.06	.00299	.00621
%RSD	.10064	1.4540	.64166	.39228	.10779	.02341	.42758	.55303	.57249	.2268	.58555	1.2445
#1	23.587	24.146	.46743	24.512	.50169	.50283	23.298	.47773	.47663	25.77	.50919	.50347
#2	23.620	23.654	.47170	24.648	.50245	.50300	23.439	.47401	.47279	25.68	.51343	.49469
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	Si2881	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F 22.086	.49068	.47088	.49260	.48861	.46298	.45730
Stddev	.169	.00308	.00191	.00089	.00360	.00243	.00377
%RSD	.76743	.62759	.40649	.17978	.73711	.52394	.82505
#1	21.966	.49286	.47224	.49197	.48606	.46126	.45463
#2	22.206	.48850	.46953	.49322	.49116	.46469	.45996
Check ?	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value	25.000						
Range	-10.000%						

Int. Std.	In2306	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	1952.9	2878.7	25110.	4741.6
Stddev	5.1	5.4	100.	29.6
%RSD	.26343	.18759	.39773	.62436
#1	1949.3	2882.6	25181.	4762.5
#2	1956.5	2874.9	25040.	4720.6

Sample Name: CCB Acquired: 4/10/2012 19:03:24 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	**.00024**	**.01157**	**.00062**	**-.00035**	**.00006**	**-.00005**	**-.00207**	**.00012**	**.00003**	**-.00018**	**.00090**	**.01487**	**-.01222**
Stddev	.00074	.00206	.00172	.00021	.00003	.00009	.01012	.00016	.00021	.00017	.00021	.01575	.00790
%RSD	309.64	17.784	275.74	60.811	52.500	186.08	488.68	132.57	778.59	92.781	22.880	105.97	64.629
#1	.00076	.01012	.00183	-.00020	.00008	.00002	.00508	.00023	.00017	-.00006	.00075	.02601	-.00664
#2	-.00028	.01303	-.00059	-.00050	.00004	-.00011	-.00923	.00001	-.00012	-.00030	.00104	.00373	-.01781
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**	**-.00056**	**.00221**	**-.00006**	**.00017**	**.11890**	**.00061**	**-.00054**	F **.0136**	**-.00224**	**-.00084**	**.03144**	**-.00022**
Stddev	.00049	.00043	.00145	.00000	.00012	.00058	.00016	.00048	.0015	.00136	.00175	.05147	.00046
%RSD	18.240	75.896	65.443	3.9089	67.665	.49024	25.407	88.327	11.23	60.862	208.87	163.70	205.58
#1	.00236	-.00087	.00323	-.00006	.00009	.11931	.00072	-.00087	.0146	-.00320	.00040	.06784	.00010
#2	.00306	-.00026	.00119	-.00006	.00025	.11849	.00050	-.00020	.0125	-.00128	-.00208	-.00495	-.00055
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**	**.00014**	**-.00270**	**-.00042**	**-.00061**
Stddev	.00001	.00032	.00048	.00058	.00025
%RSD	19.209	223.25	17.816	138.97	40.755
#1	.00007	.00037	-.00304	-.00001	-.00079
#2	.00006	-.00008	-.00236	-.00083	-.00044
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	**2104.0**	**2922.2**	**25980.**	**4743.5**
Stddev	1.6	2.6	9.	10.9
%RSD	.07586	.08908	.03411	.23083
#1	2105.1	2920.4	25986.	4735.8
#2	2102.9	2924.1	25974.	4751.3

Sample Name: 480-18272-C-2-D MSD Acquired: 4/10/2012 19:05:47 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	.04648	9.2366	.20347	.32354	.38289	.20487	38.267	.20655	.19653
Stddev	.00056	.0564	.00274	.00098	.00154	.00145	.088	.00114	.00159
%RSD	1.2043	.61038	1.3489	.30301	.40314	.70661	.22972	.55395	.81072
#1	.04688	9.1968	.20153	.32423	.38398	.20385	38.205	.20736	.19765
#2	.04609	9.2765	.20541	.32284	.38180	.20589	38.329	.20574	.19540
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	.19063	.20333	15.276	15.884	18.916	.19287	21.896	.48087	.20743
Stddev	.00033	.00020	.047	.065	.125	.00071	.148	.00259	.00184
%RSD	.17387	.09917	.30553	.40862	.66166	.37037	.67556	.53924	.88867
#1	.19087	.20318	15.243	15.838	18.828	.19337	22.000	.48270	.20874
#2	.19040	.20347	15.309	15.929	19.005	.19236	21.791	.47903	.20613
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	149.37	.19734	.20133	1.366	.20525	.20201	14.026	.19752	.49172
Stddev	.56	.00317	.00096	.004	.00155	.00486	.113	.00035	.00029
%RSD	.37787	1.6045	.47502	.2570	.75354	2.4060	.80856	.17830	.05910
#1	148.97	.19958	.20201	1.368	.20635	.20545	13.946	.19777	.49192
#2	149.77	.19510	.20065	1.363	.20416	.19858	14.106	.19727	.49151
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	.20337	.19755	.18781	.20595
Stddev	.00044	.00136	.00093	.00156
%RSD	.21703	.68818	.49408	.75784
#1	.20369	.19658	.18847	.20705
#2	.20306	.19851	.18715	.20485
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	1863.8	2827.7	24594.	4774.2
Stddev	3.3	11.7	65.	11.0
%RSD	.17784	.41491	.26401	.23013
#1	1861.5	2819.4	24548.	4782.0
#2	1866.1	2836.0	24640.	4766.5

Sample Name: 480-18297-H-1-B Acquired: 4/10/2012 19:08:08 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	**-.00002**	**-.01265**	**.00195**	**.25200**	**.06987**	**-.00014**	**87.061**	**.00046**	**-.00004**
Stddev	.00045	.00715	.00120	.00167	.00044	.00004	.155	.00017	.00053
%RSD	2214.8	56.550	61.485	.66273	.62690	32.123	.17788	37.053	1435.6
#1	.00030	-.01771	.00110	.25319	.07018	-.00017	86.951	.00058	-.00041
#2	-.00034	-.00759	.00280	.25082	.06956	-.00010	87.170	.00034	.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	**.00177**	**.01245**	**.04846**	**2.0267**	**2.4037**	**.03833**	**39.726**	**.05735**	**.00188**
Stddev	.00006	.00010	.00000	.0165	.0316	.00052	.084	.00041	.00010
%RSD	3.3542	.83238	.00250	.81586	1.3129	1.3498	.21106	.71324	5.2623
#1	.00173	.01252	.04846	2.0384	2.3814	.03796	39.786	.05764	.00181
#2	.00181	.01238	.04846	2.0151	2.4260	.03870	39.667	.05706	.00195
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	**59.772**	**.00204**	**.00245**	F **32.11**	**-.00190**	**-.00291**	**11.769**	**-.00103**	**.49528**
Stddev	.315	.00109	.00206	.06	.00328	.00329	.085	.00014	.00043
%RSD	.52626	53.434	84.014	.1993	172.84	112.98	.72484	13.552	.08665
#1	59.549	.00281	.00099	32.16	-.00422	-.00523	11.708	-.00094	.49558
#2	59.994	.00127	.00390	32.07	.00042	-.00058	11.829	-.00113	.49497
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**	**.00184**	**-.00067**	**.03594**
Stddev	.00028	.00041	.00130	.00069
%RSD	37.306	22.195	192.86	1.9156
#1	.00094	.00213	.00025	.03545
#2	.00055	.00155	-.00159	.03642
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	**1899.7**	**2799.7**	**24592.**	**4743.5**
Stddev	2.9	3.0	80.	5.9
%RSD	.15485	.10557	.32349	.12420
#1	1897.6	2797.6	24536.	4739.4
#2	1901.8	2801.8	24648.	4747.7

Sample Name: 480-18297-H-2-B Acquired: 4/10/2012 19:10:27 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	**-.00032**	**6.3239**	**.00677**	**.35366**	**.01722**	**.00876**	**376.35**	**.00336**	**.42326**
Stddev	.00040	.0378	.00046	.00360	.00000	.00001	1.73	.00035	.00250
%RSD	124.54	.59824	6.8385	1.0172	.01127	.10560	.45868	10.366	.59073
#1	-.00061	6.3507	.00644	.35620	.01722	.00875	377.57	.00360	.42503
#2	-.00004	6.2972	.00710	.35111	.01721	.00876	375.13	.00311	.42149
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 **-.02203**	**.00563**	**212.76**	**6.4985**	**9.7911**	**.18279**	F **347.33**	F **56.564**	**-.00462**
Stddev	.00028	.00024	.76	.0710	.0287	.00075	1.29	.020	.00006
%RSD	1.2727	4.2720	.35616	1.0919	.29295	.40851	.37076	.03542	1.3091
#1	-.02183	.00546	213.30	6.5487	9.7708	.18332	346.42	56.550	-.00466
#2	-.02223	.00580	212.22	6.4483	9.8114	.18226	348.24	56.578	-.00458
Check ?	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Fail	Chk Pass
High Limit	40.000						250.00	20.000	
Low Limit	-.00400						-.20000	-.00300	

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	**79.422**	**1.6175**	**.01867**	F **1068.**	**-.01373**	F **-.02427**	**15.932**	**.00159**	**1.2980**
Stddev	.155	.0031	.00314	4.	.00021	.00491	.136	.00019	.0046
%RSD	.19517	.19207	16.814	.3627	1.5229	20.228	.85530	11.810	.35080
#1	79.532	1.6197	.01645	1071.	-.01388	-.02080	16.028	.00172	1.3012
#2	79.313	1.6154	.02089	1065.	-.01358	-.02774	15.835	.00146	1.2948
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
High Limit				25.00		40.000			
Low Limit				-.0100		-.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	**.00271**	**-.01059**	**.03063**	**2.0901**
Stddev	.00007	.00223	.00063	.0099
%RSD	2.7504	21.013	2.0508	.47252
#1	.00276	-.00902	.03019	2.0831
#2	.00266	-.01216	.03107	2.0971
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	**1628.0**	**2747.7**	**24261.**	**4900.8**
Stddev	2.7	6.7	107.	25.5
%RSD	.16717	.24207	.43979	.52026
#1	1630.0	2743.0	24337.	4882.8
#2	1626.1	2752.4	24186.	4918.9

Sample Name: 480-18297-H-3-B Acquired: 4/10/2012 19:12:52 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	**-.00096**	**4.6496**	**.00578**	**.07565**	**.02841**	**.00401**	**130.24**	**.05196**	**.04321**
Stddev	.00029	.0271	.00081	.00081	.00009	.00004	.10	.00010	.00000
%RSD	30.868	.58203	14.044	1.0664	.31393	.97565	.07323	.18822	.00426
#1	-.00116	4.6687	.00520	.07622	.02834	.00403	130.17	.05203	.04320
#2	-.00075	4.6304	.00635	.07508	.02847	.00398	130.30	.05189	.04321
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	**.00100**	**.01412**	**.65067**	**1.4445**	**1.5038**	**.04811**	**16.658**	**2.2471**	**-.00010**
Stddev	.00022	.00008	.00508	.0097	.0064	.00119	.148	.0130	.00001
%RSD	22.456	.53118	.78143	.67249	.42542	2.4759	.88916	.57954	14.962
#1	.00084	.01407	.65427	1.4377	1.5083	.04895	16.763	2.2563	-.00009
#2	.00115	.01417	.64708	1.4514	1.4993	.04727	16.553	2.2379	-.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	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	**3.0571**	**.24331**	**.00456**	F **160.0**	**-.00185**	**.16209**	**10.821**	**-.00078**	**.14260**
Stddev	.0159	.00138	.00142	.9	.00011	.00627	.020	.00062	.00026
%RSD	.51908	.56841	31.233	.5526	6.1329	3.8672	.18404	79.403	.17961
#1	3.0683	.24429	.00355	160.6	-.00193	.16652	10.835	-.00034	.14278
#2	3.0458	.24233	.00556	159.4	-.00177	.15765	10.806	-.00122	.14242
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	**.00279**	**-.00083**	**.00258**	**.81795**
Stddev	.00004	.00034	.00003	.00141
%RSD	1.4199	40.779	.98995	.17216
#1	.00282	-.00059	.00256	.81894
#2	.00276	-.00107	.00260	.81695
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	**1935.6**	**2947.6**	**25911.**	**4986.0**
Stddev	.1	1.1	67.	36.2
%RSD	.00548	.03727	.25894	.72673
#1	1935.5	2948.4	25864.	4960.4
#2	1935.6	2946.9	25958.	5011.7

Sample Name: 480-18297-H-4-B Acquired: 4/10/2012 19:15:10 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	Ba4554-2	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**	**4.5037**	**.00765**	**.20400**	**.00543**	**.00180**	**431.62**	**.00314**	**.16459**
Stddev	.00050	.0027	.00034	.00141	.00003	.00007	1.46	.00002	.00205
%RSD	60.976	.05959	4.4761	.69268	.49876	3.7337	.33731	.52399	1.2462
#1	-.00047	4.5018	.00789	.20500	.00541	.00175	430.59	.00313	.16604
#2	-.00118	4.5056	.00741	.20300	.00545	.00184	432.65	.00315	.16314
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 **-.00625**	**.00416**	**40.075**	**3.7274**	**5.2233**	**.34414**	F **256.25**	**18.878**	**-.00083**
Stddev	.00004	.00065	.027	.0238	.0086	.00261	1.13	.104	.00028
%RSD	.56708	15.584	.06844	.63808	.16510	.75762	.44265	.55206	34.493
#1	-.00628	.00370	40.056	3.7105	5.2172	.34230	255.45	18.805	-.00062
#2	-.00623	.00461	40.095	3.7442	5.2294	.34599	257.05	18.952	-.00103
Check ?	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass
High Limit	40.000						250.00		
Low Limit	-.00400						-.20000		

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	**22.537**	**1.1572**	**.00833**	F **815.4**	**-.00571**	**.00043**	**9.7797**	**-.00123**	**.62115**
Stddev	.091	.0077	.00154	5.9	.00089	.00339	.0798	.00036	.00275
%RSD	.40444	.66376	18.508	.7224	15.642	788.74	.81597	29.572	.44336
#1	22.472	1.1627	.00724	819.5	-.00634	-.00197	9.7233	-.00098	.61921
#2	22.601	1.1518	.00942	811.2	-.00508	.00283	9.8362	-.00149	.62310
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**	**-.00398**	**.01401**	**2.9385**
Stddev	.00010	.00322	.00096	.0276
%RSD	3.8866	80.844	6.8314	.93882
#1	.00277	-.00170	.01333	2.9190
#2	.00262	-.00625	.01469	2.9581
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	**1702.7**	**2669.9**	**23612.**	**4700.3**
Stddev	3.7	1.9	45.	19.7
%RSD	.21797	.07097	.19120	.41956
#1	1700.0	2668.6	23643.	4714.2
#2	1705.3	2671.3	23580.	4686.3

Sample Name: 480-18296-M-1-A Acquired: 4/10/2012 19:17:32 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	**-.00052**	**.13097**	**.00654**	**1.3813**	**.15971**	**-.00008**	**240.42**	**.00097**	**.00432**
Stddev	.00062	.01755	.00187	.0123	.00025	.00002	1.02	.00019	.00036
%RSD	117.64	13.404	28.623	.89180	.15836	22.116	.42239	20.021	8.3569
#1	-.00096	.14338	.00786	1.3901	.15953	-.00007	241.13	.00083	.00457
#2	-.00009	.11855	.00522	1.3726	.15989	-.00009	239.70	.00111	.00406
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**	**.00418**	**20.138**	**43.366**	**60.939**	**.07252**	**160.44**	**13.851**	**.00014**
Stddev	.00062	.00014	.156	.174	.094	.00010	.18	.019	.00049
%RSD	533.73	3.2467	.77271	.40191	.15391	.13776	.11365	.13543	340.18
#1	.00032	.00408	20.249	43.489	61.005	.07259	160.31	13.838	.00049
#2	-.00055	.00427	20.028	43.243	60.872	.07245	160.57	13.865	-.00020
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	**499.38**	**.05252**	**.00054**	F **179.7**	**-.00192**	**-.00711**	**10.739**	**.00012**	**.73743**
Stddev	1.16	.00072	.00104	1.5	.00128	.00164	.006	.00123	.00346
%RSD	.23298	1.3619	190.43	.8392	66.819	23.090	.05540	1003.0	.46916
#1	500.20	.05303	-.00019	180.8	-.00101	-.00827	10.735	-.00075	.73988
#2	498.56	.05202	.00128	178.7	-.00282	-.00594	10.743	.00099	.73499
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	**.00505**	**-.00624**	**.01161**	**.00355**
Stddev	.00038	.00148	.00049	.00133
%RSD	7.5073	23.666	4.2252	37.493
#1	.00532	-.00520	.01127	.00449
#2	.00479	-.00728	.01196	.00261
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	**1652.8**	**2626.9**	**22776.**	**4698.8**
Stddev	.9	.2	65.	6.8
%RSD	.05671	.00763	.28501	.14424
#1	1653.5	2627.1	22822.	4694.0
#2	1652.1	2626.8	22730.	4703.6

Sample Name: 480-18291-E-1-A Acquired: 4/10/2012 19:20:00 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	**.00043**	**-.02011**	**.00228**	**.01084**	**.01478**	**-.00006**	**12.059**	**.00006**	**-.00030**
Stddev	.00059	.00815	.00059	.00038	.00009	.00003	.088	.00025	.00018
%RSD	136.58	40.542	26.002	3.5133	.61496	60.274	.73219	392.06	59.273
#1	.00084	-.01434	.00269	.01111	.01484	-.00003	12.121	.00024	-.00017
#2	.00001	-.02587	.00186	.01057	.01471	-.00008	11.996	-.00011	-.00043
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**	**.00103**	**.10475**	**2.8505**	**2.4460**	**.00116**	**3.6870**	**.00269**	**.00067**
Stddev	.00024	.00001	.01311	.0141	.0101	.00028	.0145	.00008	.00034
%RSD	17.589	1.1339	12.519	.49483	.41072	23.875	.39375	3.1155	51.363
#1	.00118	.00104	.09548	2.8405	2.4389	.00097	3.6767	.00275	.00091
#2	.00151	.00102	.11402	2.8604	2.4531	.00136	3.6973	.00263	.00043
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	**5.3877**	**.00152**	**.00391**	**4.642**	**-.00247**	**-.00245**	**8.1152**	**-.00087**	**.04261**
Stddev	.0408	.00063	.00167	.041	.00121	.00078	.0651	.00009	.00006
%RSD	.75796	41.607	42.584	.8883	48.755	31.976	.80225	10.605	.13485
#1	5.4166	.00108	.00273	4.671	-.00162	-.00300	8.1612	-.00080	.04265
#2	5.3588	.00197	.00509	4.613	-.00333	-.00189	8.0692	-.00093	.04257
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	**.00072**	**-.00045**	**.00055**	**-.00060**
Stddev	.00018	.00108	.00003	.00082
%RSD	24.419	238.83	5.1190	136.44
#1	.00085	-.00121	.00053	-.00118
#2	.00060	.00031	.00057	-.00002
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	**2074.0**	**2920.7**	**25858.**	**4805.7**
Stddev	2.0	4.6	91.	14.2
%RSD	.09750	.15885	.35198	.29645
#1	2072.5	2917.4	25794.	4795.7
#2	2075.4	2924.0	25922.	4815.8

Sample Name: 480-18291-E-2-A Acquired: 4/10/2012 19:22:19 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	**-.00001**	**.25912**	**.00313**	**.01321**	**.01614**	**-.00008**	**6.7303**	**.00011**	**.00032**
Stddev	.00068	.01709	.00180	.00036	.00007	.00005	.0605	.00001	.00020
%RSD	5623.3	6.5961	57.489	2.6986	.44852	63.020	.89866	11.151	60.399
#1	.00047	.27121	.00185	.01347	.01609	-.00012	6.6875	.00012	.00019
#2	-.00049	.24704	.00440	.01296	.01619	-.00005	6.7730	.00010	.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	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	**.00054**	**.00119**	**.11540**	**.25411**	**.24929**	**-.00063**	**1.3586**	**.00446**	**-.00024**
Stddev	.00027	.00041	.00970	.02623	.00296	.00028	.0170	.00011	.00020
%RSD	49.841	34.160	8.4074	10.324	1.1857	44.139	1.2531	2.5262	86.218
#1	.00035	.00148	.12226	.23556	.24720	-.00083	1.3466	.00438	-.00009
#2	.00073	.00091	.10854	.27266	.25138	-.00043	1.3707	.00454	-.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	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	**7.2275**	**.00129**	**.00296**	**3.175**	**-.00219**	**-.00324**	**4.7513**	**-.00136**	**.06712**
Stddev	.0462	.00015	.00013	.028	.00095	.00112	.0004	.00043	.00022
%RSD	.63942	11.591	4.5333	.8821	43.424	34.594	.00796	31.266	.32389
#1	7.1948	.00118	.00305	3.195	-.00287	-.00245	4.7511	-.00167	.06696
#2	7.2601	.00139	.00286	3.155	-.00152	-.00403	4.7516	-.00106	.06727
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	**.00149**	**.00044**	**-.00008**	**-.00087**
Stddev	.00053	.00199	.00021	.00020
%RSD	35.863	454.59	254.71	22.721
#1	.00187	-.00097	-.00023	-.00101
#2	.00111	.00184	.00007	-.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	**2090.3**	**2924.5**	**25966.**	**4831.7**
Stddev	1.5	3.9	78.	10.2
%RSD	.07004	.13387	.29889	.21098
#1	2089.2	2927.3	26020.	4839.0
#2	2091.3	2921.8	25911.	4824.5

Sample Name: 480-18291-E-3-A Acquired: 4/10/2012 19:24:39 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**	**-.02172**	**.00388**	**.00776**	**.01384**	**-.00008**	**11.261**	**.00007**	**-.00017**
Stddev	.00107	.05717	.00152	.00010	.00001	.00010	.044	.00004	.00005
%RSD	130.18	263.17	39.301	1.2361	.05824	123.61	.39201	56.123	26.645
#1	-.00158	-.06215	.00496	.00783	.01385	-.00001	11.292	.00010	-.00014
#2	-.00007	.01870	.00280	.00769	.01384	-.00016	11.229	.00004	-.00020
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**	**.00085**	**.15202**	**2.4052**	**2.1131**	**.00098**	**3.2435**	**.00182**	**.00018**
Stddev	.00044	.00078	.01012	.0239	.0060	.00021	.0046	.00013	.00029
%RSD	23.983	91.799	6.6550	.99351	.28342	21.108	.14327	7.1558	167.10
#1	.00153	.00030	.14486	2.3883	2.1089	.00112	3.2467	.00173	.00038
#2	.00215	.00140	.15917	2.4221	2.1173	.00083	3.2402	.00192	-.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	**5.2422**	**.00086**	**.00150**	**3.159**	**-.00181**	**-.00186**	**8.7633**	**-.00114**	**.04827**
Stddev	.0101	.00074	.00185	.035	.00272	.00160	.0316	.00008	.00008
%RSD	.19183	85.936	122.89	1.123	150.43	86.170	.36061	7.0600	.15790
#1	5.2351	.00034	.00020	3.184	-.00374	-.00072	8.7409	-.00120	.04832
#2	5.2493	.00139	.00281	3.134	.00012	-.00299	8.7856	-.00108	.04821
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**	**.00114**	**.00089**	**-.00117**
Stddev	.00004	.00367	.00025	.00029
%RSD	58.449	322.43	27.599	25.245
#1	.00009	-.00146	.00107	-.00137
#2	.00004	.00373	.00072	-.00096
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	**2086.5**	**2945.5**	**25887.**	**4817.7**
Stddev	6.0	4.6	16.	5.2
%RSD	.28950	.15689	.06049	.10865
#1	2090.8	2942.2	25898.	4821.4
#2	2082.2	2948.8	25876.	4814.0

Sample Name: 480-18294-E-1-A Acquired: 4/10/2012 19:27:00 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	**-.00053**	**.04105**	**.00087**	**.00758**	**.01406**	**-.00008**	**11.419**	**.00003**	**-.00016**
Stddev	.00033	.02564	.00048	.00098	.00005	.00005	.031	.00020	.00013
%RSD	61.344	62.479	54.584	12.898	.35480	61.854	.27257	788.24	84.810
#1	-.00076	.02291	.00121	.00689	.01402	-.00005	11.441	-.00012	-.00006
#2	-.00030	.05918	.00054	.00827	.01409	-.00012	11.397	.00017	-.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	**.00262**	**.00094**	**.13781**	**2.4320**	**2.1094**	**.00028**	**3.2839**	**.00202**	**.00007**
Stddev	.00016	.00008	.00255	.0281	.0063	.00020	.0093	.00008	.00013
%RSD	6.2823	8.9928	1.8531	1.1559	.29774	72.840	.28440	3.7766	172.15
#1	.00251	.00088	.13962	2.4121	2.1138	.00014	3.2773	.00208	-.00002
#2	.00274	.00100	.13601	2.4519	2.1049	.00042	3.2905	.00197	.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	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	**5.3133**	**.00076**	**.00232**	**3.197**	**-.00287**	**-.00354**	**8.9540**	**-.00175**	**.04888**
Stddev	.0053	.00084	.00254	.016	.00011	.00040	.0111	.00061	.00007
%RSD	.09923	109.66	109.66	.4923	3.9406	11.227	.12367	34.716	.13419
#1	5.3096	.00017	.00052	3.208	-.00279	-.00326	8.9618	-.00218	.04884
#2	5.3170	.00136	.00411	3.186	-.00294	-.00382	8.9461	-.00132	.04893
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**	**-.00064**	**.00133**	**-.00094**
Stddev	.00049	.00101	.00002	.00078
%RSD	155.21	157.74	1.3685	82.328
#1	.00066	-.00135	.00135	-.00149
#2	-.00003	.00007	.00132	-.00039
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	**2079.9**	**2934.4**	**25760.**	**4823.1**
Stddev	3.3	1.7	37.	25.5
%RSD	.15653	.05962	.14272	.52899
#1	2077.6	2933.1	25786.	4841.1
#2	2082.2	2935.6	25734.	4805.0

Sample Name: CCV Acquired: 4/10/2012 19:29:22 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
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F .44862	22.695	.49156	.49135	.45378	.47438	F 22.016	.50417	.46259	.46029	.47840	23.817
Stddev	.00132	.085	.00107	.00249	.00163	.00069	.046	.00220	.00320	.00082	.00083	.049
%RSD	.29504	.37612	.21693	.50653	.35947	.14446	.20770	.43674	.69267	.17910	.17302	.20769
#1	.44768	22.755	.49232	.49311	.45494	.47486	22.048	.50573	.46486	.45971	.47782	23.782
#2	.44956	22.634	.49081	.48959	.45263	.47389	21.984	.50262	.46033	.46087	.47899	23.852
Check ?	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value	.50000						25.000					
Range	-10.000%						-10.000%					

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	23.487	22.909	.46684	24.607	.50352	.50401	23.101	.47418	.47128	25.84	.51225	.49339
Stddev	.097	.297	.00128	.095	.00062	.00267	.106	.00291	.00518	.02	.00514	.00012
%RSD	.41331	1.2965	.27470	.38415	.12293	.52936	.45752	.61456	1.0996	.0788	1.0040	.02491
#1	23.556	22.699	.46775	24.540	.50308	.50590	23.175	.47624	.47495	25.85	.50861	.49348
#2	23.418	23.119	.46594	24.674	.50396	.50212	23.026	.47212	.46762	25.82	.51589	.49330
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	Si2881	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F 21.868	.48673	.47029	.49058	.48619	.45360	.45308
Stddev	.049	.00340	.00398	.00280	.00536	.00235	.00419
%RSD	.22259	.69785	.84558	.57171	1.1026	.51790	.92554
#1	21.902	.48913	.47310	.48859	.48999	.45194	.45012
#2	21.833	.48433	.46748	.49256	.48240	.45526	.45605
Check ?	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value	25.000						
Range	-10.000%						

Int. Std.	In2306	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	1963.7	2879.1	25313.	4775.2
Stddev	.1	5.9	10.	9.8
%RSD	.00358	.20600	.04055	.20433
#1	1963.6	2883.3	25320.	4768.3
#2	1963.7	2874.9	25306.	4782.1

Sample Name: CCB Acquired: 4/10/2012 19:31:38 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	**-.00012**	**-.01342**	**.00163**	**.00021**	**.00007**	**.00002**	**.00148**	**.00020**	**-.00031**	**.00010**	**.00121**	**.00722**	**-.02256**
Stddev	.00041	.00644	.00104	.00005	.00000	.00001	.00672	.00004	.00009	.00043	.00037	.00654	.02560
%RSD	336.76	47.998	63.896	26.506	.29796	78.361	453.90	19.078	28.650	431.15	30.822	90.585	113.46
#1	-.00041	-.00886	.00236	.00024	.00007	.00001	-.00327	.00017	-.00037	.00040	.00148	.01185	-.04066
#2	.00017	-.01797	.00089	.00017	.00007	.00002	.00623	.00023	-.00025	-.00020	.00095	.00260	-.00446
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	**.00222**	**-.00101**	**-.00472**	**.00009**	**-.00011**	**.02557**	**.00120**	**-.00099**	F **.0124**	**-.00030**	**.00104**	**.04566**	**-.00037**
Stddev	.00025	.00090	.00001	.00020	.00012	.00759	.00061	.00198	.0009	.00113	.00483	.03571	.00032
%RSD	11.404	88.930	.19368	214.86	103.78	29.683	50.612	199.63	7.180	381.72	464.16	78.210	87.744
#1	.00240	-.00037	-.00473	.00024	-.00003	.02020	.00077	.00041	.0118	-.00110	-.00238	.07091	-.00014
#2	.00205	-.00164	-.00471	-.00005	-.00020	.03093	.00163	-.00239	.0130	.00050	.00446	.02041	-.00059
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**	**-.00025**	**.00000**	**-.00003**	**-.00049**
Stddev	.00011	.00059	.0014	.00012	.00010
%RSD	257.75	233.89	72862.	420.34	19.253
#1	-.00003	.00017	-.00102	-.00011	-.00043
#2	.00012	-.00067	.00102	.00005	-.00056
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	**2104.8**	**2928.7**	**26093.**	**4788.9**
Stddev	4.4	10.9	96.	37.5
%RSD	.21063	.37245	.36924	.78331
#1	2107.9	2921.0	26161.	4815.4
#2	2101.6	2936.5	26025.	4762.4

Sample Name: 480-18279-B-1-A Acquired: 4/10/2012 19:34:02 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	**.00067**	**.04390**	**.00299**	**.03064**	**.03668**	**-.00006**	**46.146**	**.00011**	**-.00009**
Stddev	.00061	.02413	.00068	.00026	.00015	.00017	.453	.00003	.00046
%RSD	91.999	54.966	22.901	.84742	.39568	311.12	.98256	29.853	538.17
#1	.00023	.06096	.00251	.03082	.03658	.00007	45.825	.00009	.00024
#2	.00110	.02684	.00348	.03045	.03679	-.00018	46.466	.00014	-.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	**.00117**	**.00470**	**.11297**	**1.4828**	**1.4650**	**.00042**	**10.040**	**.00544**	**.00722**
Stddev	.00142	.00045	.00086	.0074	.0114	.00101	.004	.00011	.00015
%RSD	121.19	9.4791	.76446	.49890	.77455	237.72	.04325	1.9681	2.0580
#1	.00017	.00438	.11236	1.4776	1.4570	.00114	10.043	.00536	.00732
#2	.00217	.00501	.11358	1.4880	1.4731	-.00029	10.037	.00552	.00711
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	**1.9203**	**.00203**	**.00198**	**18.60**	**-.00188**	**-.00058**	**2.4930**	**-.00146**	**1.3053**
Stddev	.0109	.00102	.00116	.05	.00068	.00920	.0234	.00047	.0011
%RSD	.56862	50.248	58.533	.2681	36.190	1588.0	.93852	32.380	.08100
#1	1.9126	.00131	.00280	18.64	-.00140	-.00708	2.4764	-.00113	1.3046
#2	1.9280	.00275	.00116	18.57	-.00236	.00592	2.5095	-.00179	1.3061
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**	**.00219**	**.00116**	**-.00070**
Stddev	.00031	.00084	.00015	.00042
%RSD	51.810	38.421	13.153	60.188
#1	.00038	.00278	.00127	-.00040
#2	.00082	.00159	.00105	-.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	**2029.3**	**2898.7**	**25481.**	**4838.8**
Stddev	2.7	.5	12.	43.0
%RSD	.13500	.01816	.04718	.88771
#1	2031.2	2898.3	25489.	4869.1
#2	2027.4	2899.1	25472.	4808.4

Sample Name: 480-18279-B-2-A Acquired: 4/10/2012 19:36:21 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	**-.00009**	**.02009**	**.00152**	**.89541**	**.08621**	**-.00009**	**10.874**	**.00009**	**-.00011**
Stddev	.00022	.01391	.00208	.00427	.00017	.00017	.034	.00001	.00019
%RSD	231.43	69.248	136.74	.47687	.19939	199.46	.31351	5.8707	177.87
#1	.00006	.02992	.00300	.89843	.08633	.00004	10.898	.00009	-.00024
#2	-.00025	.01025	.00005	.89240	.08609	-.00021	10.850	.00010	.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	**.00020**	**.00112**	**.06371**	**1.4216**	**1.5397**	**.00292**	**4.8886**	**.00476**	**.10475**
Stddev	.00013	.00045	.00239	.0306	.0202	.00080	.0167	.00009	.00033
%RSD	63.143	40.416	3.7544	2.1544	1.3107	27.256	.34214	1.9140	.31363
#1	.00011	.00144	.06202	1.4433	1.5540	.00349	4.9005	.00482	.10498
#2	.00029	.00080	.06540	1.4000	1.5254	.00236	4.8768	.00469	.10452
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	**52.567**	**.00073**	**.00225**	**.3872**	**.00052**	**.00115**	**4.9400**	**-.00104**	**1.8890**
Stddev	.007	.00058	.00033	.0043	.00005	.00075	.0046	.00084	.0111
%RSD	.01424	79.870	14.487	1.112	9.6792	65.445	.09325	80.970	.58938
#1	52.572	.00032	.00248	.3903	.00049	.00062	4.9432	-.00045	1.8969
#2	52.561	.00114	.00202	.3842	.00056	.00168	4.9367	-.00164	1.8811
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	**-.00040**	**-.00150**	**-.00015**	**-.00095**
Stddev	.00011	.00109	.00047	.00031
%RSD	26.684	72.972	312.87	32.432
#1	-.00032	-.00072	-.00048	-.00116
#2	-.00047	-.00227	.00018	-.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	**2000.4**	**2894.8**	**25373.**	**4814.2**
Stddev	1.7	4.6	7.	18.3
%RSD	.08733	.15961	.02564	.37985
#1	2001.7	2891.5	25378.	4801.3
#2	1999.2	2898.1	25369.	4827.2

Sample Name: 480-18257-D-1-A Acquired: 4/10/2012 19:38:38 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	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	**-.00158**	**.18683**	**.00681**	**.48237**	**1.3900**	**-.00008**	F **1275.6**	**.00108**	**.00028**
Stddev	.00039	.05094	.00182	.00960	.0044	.00007	.2	.00020	.00044
%RSD	24.870	27.263	26.740	1.9907	.31607	86.956	.01727	18.703	159.47
#1	-.00130	.22285	.00810	.48916	1.3931	-.00003	1275.8	.00122	-.00004
#2	-.00186	.15081	.00552	.47558	1.3869	-.00014	1275.5	.00094	.00059
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass
High Limit							1000.0		
Low Limit							-.50000		

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	**.00214**	**.00320**	**1.1589**	F **1316.3**	^ *****	**.10433**	**132.35**	**.32656**	**.00470**
Stddev	.00010	.00068	.0202	14.2	-----	.00051	.38	.00098	.00017
%RSD	4.8105	21.272	1.7405	1.0787	-----	.48504	.29027	.30100	3.5914
#1	.00207	.00271	1.1732	1326.3	^ -----	.10397	132.07	.32586	.00458
#2	.00221	.00368	1.1447	1306.3	^ -----	.10469	132.62	.32725	.00481
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				600.00					
Low Limit				-.50000					

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	**2704.9**	**.00407**	**-.00237**	F **270.7**	**-.00097**	**-.01078**	**4.2438**	**.00222**	F **20.681**
Stddev	7.5	.00193	.00353	4.6	.00062	.00547	.0709	.00080	.028
%RSD	.27799	47.495	149.03	1.717	64.179	50.739	1.6717	36.144	.13674
#1	2699.6	.00544	-.00486	274.0	-.00053	-.01464	4.1936	.00278	20.701
#2	2710.2	.00270	.00013	267.5	-.00141	-.00691	4.2939	.00165	20.661
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail
High Limit				25.00					10.000
Low Limit				-.0100					-.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	**.00666**	**-.00188**	**.00069**	**.00850**
Stddev	.00083	.00233	.00022	.00048
%RSD	12.504	124.26	32.169	5.6610
#1	.00725	-.00023	.00054	.00816
#2	.00607	-.00353	.00085	.00884
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	**1305.0**	**2318.5**	**19507.**	**4384.6**
Stddev	2.6	3.9	60.	21.5
%RSD	.19707	.16930	.30532	.49056
#1	1303.1	2315.7	19549.	4369.4
#2	1306.8	2321.2	19465.	4399.8

Sample Name: 480-18258-E-1-B Acquired: 4/10/2012 19:41:27 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	**-.00068**	**.09246**	**.01274**	**3.9751**	**.37685**	**-.00008**	**102.21**	**.00107**	**.01656**
Stddev	.00097	.04768	.00034	.0191	.00161	.00007	.06	.00011	.00025
%RSD	142.20	51.567	2.6328	.47951	.42747	77.470	.05428	9.8058	1.5182
#1	-.00136	.05874	.01250	3.9886	.37799	-.00004	102.25	.00100	.01674
#2	.00000	.12617	.01298	3.9616	.37571	-.00013	102.17	.00115	.01639
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	**.06931**	**.00428**	**13.541**	**336.55**	**^ *****	**.08566**	**97.641**	**.21204**	**.00328**
Stddev	.00076	.00042	.030	.26	-----	.00009	.380	.00128	.00010
%RSD	1.0900	9.8796	.22432	.07773	-----	.10425	.38926	.60271	2.9420
#1	.06984	.00399	13.520	336.37	^ -----	.08573	97.372	.21295	.00335
#2	.06877	.00458	13.563	336.74	^ -----	.08560	97.910	.21114	.00321
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	**836.07**	**.10351**	**.00640**	**16.23**	**-.00089**	**-.00061**	**17.658**	**.05575**	**1.5384**
Stddev	.72	.00142	.00337	.15	.00040	.00531	.057	.00126	.0005
%RSD	.08648	1.3684	52.605	.8998	45.273	872.73	.32146	2.2606	.03028
#1	835.56	.10451	.00878	16.33	-.00061	-.00436	17.618	.05664	1.5388
#2	836.58	.10251	.00402	16.12	-.00118	.00315	17.698	.05486	1.5381
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	**.04154**	**-.00214**	**.00616**	**.02601**
Stddev	.00005	.00220	.00072	.00033
%RSD	.11568	102.81	11.668	1.2784
#1	.04150	-.00370	.00565	.02625
#2	.04157	-.00058	.00667	.02578
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	**1613.9**	**2604.3**	**22251.**	**4663.0**
Stddev	3.9	.0	15.	10.5
%RSD	.24401	.00007	.06755	.22523
#1	1611.1	2604.3	22240.	4670.4
#2	1616.7	2604.3	22262.	4655.5

Sample Name: 480-18258-E-2-B Acquired: 4/10/2012 19:43:53 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**	**.02675**	**.01210**	**1.5431**	**.35739**	**-.00014**	**193.70**	**.00106**	**.00650**
Stddev	.00051	.01813	.00348	.0068	.00099	.00006	.34	.00011	.00012
%RSD	171.28	67.777	28.734	.44123	.27586	40.715	.17372	9.9891	1.9176
#1	-.00065	.01393	.00964	1.5480	.35669	-.00018	193.46	.00099	.00659
#2	.00006	.03958	.01456	1.5383	.35808	-.00010	193.94	.00114	.00641
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	**.00756**	**.00488**	**2.9348**	**139.90**	**^ *****	**.02663**	**120.97**	**.52906**	**.00310**
Stddev	.00013	.00023	.0186	.23	-----	.00057	.12	.00090	.00049
%RSD	1.7497	4.7285	.63301	.16224	-----	2.1399	.10118	.17057	15.945
#1	.00766	.00472	2.9480	140.06	^ -----	.02704	121.05	.52970	.00345
#2	.00747	.00505	2.9217	139.74	^ -----	.02623	120.88	.52842	.00275
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	**513.32**	**.02912**	**.00171**	F **218.5**	**-.00349**	**-.00767**	**7.3077**	**.00314**	**1.9563**
Stddev	1.21	.00053	.00136	1.1	.00038	.00089	.0300	.00035	.0003
%RSD	.23567	1.8035	79.689	.4990	10.864	11.546	.41012	11.297	.01701
#1	514.17	.02949	.00267	219.3	-.00322	-.00830	7.2865	.00339	1.9565
#2	512.46	.02875	.00075	217.7	-.00376	-.00705	7.3289	.00289	1.9561
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	**.00708**	**-.00241**	**.00361**	**.01199**
Stddev	.00089	.00091	.00045	.00073
%RSD	12.589	37.608	12.562	6.0786
#1	.00645	-.00305	.00393	.01147
#2	.00771	-.00177	.00329	.01250
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	**1659.9**	**2612.9**	**22740.**	**4663.1**
Stddev	2.5	3.7	20.	7.7
%RSD	.14772	.14340	.08832	.16407
#1	1661.6	2615.6	22726.	4668.6
#2	1658.1	2610.3	22755.	4657.7

Sample Name: 480-18235-K-1-B Acquired: 4/10/2012 19:46:18 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	Ba4554-2	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	**-.00102**	**.02020**	**.00431**	**.53279**	**.03499**	**-.00011**	**167.15**	**.00065**	**.00005**
Stddev	.00044	.02879	.00030	.00399	.00022	.00009	.36	.00009	.00003
%RSD	43.050	142.51	7.0145	.74946	.62610	80.620	.21810	13.344	61.499
#1	-.00071	.04056	.00410	.53561	.03484	-.00017	166.89	.00059	.00003
#2	-.00132	-.00016	.00452	.52997	.03515	-.00005	167.41	.00071	.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	**.00140**	**.00195**	**.08907**	**18.123**	**22.761**	**.15750**	**50.990**	**.00080**	**.00322**
Stddev	.00054	.00026	.00549	.005	.413	.00122	.316	.00003	.00007
%RSD	38.776	13.593	6.1630	.02824	1.8124	.77648	.61958	4.0689	2.2807
#1	.00178	.00213	.08519	18.126	22.469	.15837	51.214	.00078	.00327
#2	.00101	.00176	.09296	18.119	23.052	.15664	50.767	.00082	.00317
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	**157.73**	**.00222**	**.00180**	F **147.6**	**-.00283**	**-.00268**	**11.335**	**-.00098**	**1.3633**
Stddev	.18	.00069	.00086	1.0	.00004	.00551	.101	.00022	.0018
%RSD	.11404	31.065	47.649	.6440	1.3205	205.59	.88906	22.795	.12959
#1	157.86	.00173	.00119	148.2	-.00286	.00122	11.406	-.00114	1.3621
#2	157.61	.00271	.00240	146.9	-.00281	-.00658	11.264	-.00083	1.3646
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**	**-.00004**	**.00051**	**.00034**
Stddev	.00036	.00032	.00056	.00009
%RSD	28.588	769.30	109.29	25.759
#1	.00100	.00018	.00012	.00028
#2	.00151	-.00027	.00091	.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	**1796.9**	**2726.9**	**23952.**	**4705.5**
Stddev	.1	.5	137.	25.9
%RSD	.00683	.01684	.57258	.55115
#1	1797.0	2727.2	23855.	4723.8
#2	1796.9	2726.5	24049.	4687.1

Sample Name: 480-18282-B-2-A Acquired: 4/10/2012 19:48:42 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	**.00009**	**.34006**	**.00082**	**1.2817**	**.36571**	**-.00013**	**19.202**	**.00011**	**-.00013**
Stddev	.00189	.01293	.00342	.0007	.00026	.00010	.216	.00046	.00015
%RSD	2154.4	3.8019	419.55	.05588	.07203	78.235	1.1233	416.49	120.13
#1	-.00125	.33091	.00324	1.2812	.36590	-.00021	19.050	-.00022	-.00002
#2	.00142	.34920	-.00160	1.2822	.36552	-.00006	19.355	.00044	-.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	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	**.00129**	**.00157**	**.59593**	**1.2187**	**1.2302**	**.00619**	**7.5490**	**.02121**	**.08506**
Stddev	.00016	.00032	.00417	.0008	.0069	.00077	.0335	.00018	.00001
%RSD	12.667	20.452	.70018	.06255	.55965	12.495	.44313	.86032	.01361
#1	.00141	.00179	.59298	1.2192	1.2254	.00674	7.5253	.02134	.08505
#2	.00118	.00134	.59888	1.2182	1.2351	.00564	7.5726	.02109	.08507
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	**52.844**	**.00223**	**.00254**	**.1714**	**-.00099**	**.00267**	**7.0968**	**-.00099**	**2.0681**
Stddev	.132	.00043	.00066	.0047	.00036	.00113	.0123	.00048	.0064
%RSD	.25067	19.399	26.055	2.742	35.954	42.203	.17362	48.956	.30870
#1	52.751	.00193	.00300	.1681	-.00074	.00347	7.0880	-.00133	2.0636
#2	52.938	.00254	.00207	.1747	-.00124	.00187	7.1055	-.00065	2.0726
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	**.01031**	**-.00072**	**.00049**	**-.00003**
Stddev	.00006	.00096	.00051	.00095
%RSD	.56920	133.60	105.02	3035.0
#1	.01027	-.00004	.00085	-.00070
#2	.01035	-.00140	.00013	.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	**1987.8**	**2890.0**	**25158.**	**4790.6**
Stddev	4.6	4.5	68.	22.4
%RSD	.23060	.15483	.26953	.46795
#1	1984.5	2893.2	25206.	4806.4
#2	1991.0	2886.8	25110.	4774.7

Sample Name: 480-18234-G-4-B Acquired: 4/10/2012 19:51:00 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	**-.00017**	**.00994**	**.00346**	**.56665**	**.07109**	**-.00009**	**192.72**	**.00062**	**.00021**
Stddev	.00125	.01196	.00118	.00096	.00004	.00003	.44	.00008	.00025
%RSD	756.67	120.32	34.064	.17011	.05371	32.892	.22783	12.387	121.11
#1	.00072	.00148	.00429	.56733	.07106	-.00011	192.41	.00068	.00039
#2	-.00105	.01839	.00262	.56597	.07112	-.00007	193.03	.00057	.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	**.00116**	**.00412**	**4.4927**	**20.569**	**25.607**	**.19264**	**54.584**	**.29825**	**.00448**
Stddev	.00064	.00010	.0073	.001	.165	.00056	.124	.00075	.00011
%RSD	55.801	2.3120	.16331	.00288	.64553	.29021	.22792	.25112	2.5033
#1	.00070	.00406	4.4979	20.570	25.724	.19304	54.672	.29878	.00440
#2	.00161	.00419	4.4875	20.569	25.491	.19225	54.496	.29772	.00456
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	**146.61**	**.00328**	**.00289**	F **172.8**	**-.00164**	**-.00098**	**11.799**	**-.00086**	**1.3566**
Stddev	.42	.00039	.00157	.9	.00002	.00592	.060	.00022	.0029
%RSD	.28823	11.906	54.220	.5329	.93929	604.04	.51275	25.804	.21721
#1	146.91	.00356	.00400	173.4	-.00165	-.00516	11.756	-.00070	1.3586
#2	146.31	.00301	.00178	172.1	-.00163	.00320	11.842	-.00102	1.3545
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	**.00158**	**.00051**	**.00077**	**.02460**
Stddev	.00033	.00066	.00078	.00074
%RSD	21.148	129.99	101.17	2.9974
#1	.00182	.00004	.00022	.02408
#2	.00134	.00098	.00132	.02512
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	**1791.4**	**2722.8**	**23861.**	**4707.1**
Stddev	5.5	2.1	22.	7.4
%RSD	.30440	.07821	.09403	.15678
#1	1787.6	2721.3	23845.	4712.3
#2	1795.3	2724.3	23877.	4701.9

Sample Name: 480-18280-J-1-B Acquired: 4/10/2012 19:53:22 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	Ba4554-2	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	**-.00057**	**.14068**	**.14030**	**7.1604**	**.37107**	**.00001**	**107.00**	**.00069**	**.02751**
Stddev	.00049	.03608	.00175	.0430	.00059	.00001	.73	.00011	.00028
%RSD	84.866	25.649	1.2474	.59989	.16014	202.95	.68328	15.643	1.0272
#1	-.00092	.16620	.13906	7.1907	.37065	.00000	107.51	.00061	.02771
#2	-.00023	.11517	.14153	7.1300	.37149	.00001	106.48	.00077	.02731
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	**.08585**	**.05939**	**9.5118**	F **616.04**	^ *****	**.14381**	**140.91**	**.23965**	**.01046**
Stddev	.00142	.00017	.0147	3.71	-----	.00050	.83	.00036	.00028
%RSD	1.6520	.29377	.15478	.60241	-----	.34987	.58914	.15226	2.6604
#1	.08685	.05951	9.5223	618.66	^ -----	.14345	141.50	.23991	.01027
#2	.08485	.05926	9.5014	613.42	^ -----	.14417	140.32	.23939	.01066
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				600.00					
Low Limit				-.50000					

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	**2298.6**	**.19264**	**.00620**	F **33.34**	**.00117**	**.00647**	**13.285**	**.01097**	**.93820**
Stddev	4.3	.00255	.00022	.28	.00193	.00020	.066	.00028	.00674
%RSD	.18604	1.3252	3.5482	.8308	164.88	3.0214	.49419	2.5651	.71826
#1	2301.6	.19444	.00605	33.53	.00254	.00633	13.332	.01077	.94296
#2	2295.5	.19083	.00636	33.14	-.00019	.00660	13.239	.01117	.93343
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	**.16075**	**-.00294**	**.05884**	**.07154**
Stddev	.00071	.00647	.00055	.00082
%RSD	.44278	220.49	.93636	1.1494
#1	.16125	.00164	.05922	.07096
#2	.16025	-.00751	.05845	.07212
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	**1460.5**	**2506.3**	**20789.**	**4605.2**
Stddev	2.3	.3	34.	37.1
%RSD	.15434	.01068	.16426	.80556
#1	1458.9	2506.2	20765.	4579.0
#2	1462.1	2506.5	20813.	4631.5

Sample Name: MB 480-58757/1-B Acquired: 4/10/2012 19:55:49 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**	**-.02746**	**.00112**	**.01372**	**.00050**	**-.00011**	**.06590**	**.00008**	**-.00035**
Stddev	.00001	.03598	.00049	.00172	.00000	.00024	.00418	.00018	.00003
%RSD	4.6934	131.02	43.827	12.549	.61891	217.44	6.3441	246.13	7.4203
#1	-.00031	-.05291	.00147	.01494	.00050	.00006	.06294	-.00006	-.00037
#2	-.00029	-.00202	.00078	.01250	.00050	-.00028	.06886	.00021	-.00033
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**	**.00136**	**.01655**	**.30739**	**.04309**	**-.00076**	**.00888**	**.00070**	**.00003**
Stddev	.00064	.00027	.01174	.02224	.00384	.00019	.00030	.00009	.00005
%RSD	99.071	20.002	70.917	7.2363	8.9060	25.368	3.3482	13.335	159.09
#1	.00019	.00117	.02485	.32312	.04580	-.00089	.00867	.00063	.00006
#2	.00110	.00156	.00825	.29166	.04038	-.00062	.00909	.00076	.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	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	**.50083**	**.00038**	**.00175**	F **.0151**	**-.00115**	**-.00602**	**.08263**	**-.00157**	**.00044**
Stddev	.05290	.00047	.00164	.0002	.00109	.00381	.00520	.00002	.00010
%RSD	10.562	123.34	93.272	1.023	95.041	63.276	6.2961	1.0652	23.590
#1	.53824	.00005	.00291	.0150	-.00038	-.00332	.08631	-.00156	.00052
#2	.46343	.00072	.00060	.0152	-.00192	-.00871	.07895	-.00158	.00037
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	**.00036**	**.00256**	**.00023**	**-.00058**
Stddev	.00021	.00200	.00043	.00052
%RSD	57.136	78.165	185.11	89.079
#1	.00051	.00398	-.00007	-.00095
#2	.00022	.00115	.00054	-.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	**2116.8**	**2943.0**	**26190.**	**4766.4**
Stddev	1.8	6.4	45.	10.5
%RSD	.08659	.21587	.17148	.21935
#1	2118.1	2947.5	26222.	4773.8
#2	2115.5	2938.5	26158.	4759.0

Sample Name: CCV Acquired: 4/10/2012 19:58:12 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	Be3130	Ca3179	Cd2288	Co2286	Cr2677	Cu3247	Fe2599
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.45414**	**23.104**	**.48738**	**.49157**	**.46423**	**.47840**	F **22.436**	**.49873**	**.46334**	**.46450**	**.48533**	**24.023**
Stddev	.00269	.049	.00324	.00275	.00116	.00121	.116	.00193	.00118	.00066	.00098	.038
%RSD	.59333	.21223	.66534	.55937	.24923	.25214	.51885	.38668	.25549	.14196	.20095	.15643
#1	.45223	23.069	.48508	.49351	.46341	.47755	22.354	.50009	.46418	.46403	.48464	23.997
#2	.45604	23.138	.48967	.48963	.46505	.47925	22.518	.49737	.46250	.46497	.48602	24.050
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value							25.000					
Range							-10.000%					

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	**23.864**	**23.863**	**.47694**	**24.388**	**.50120**	**.49715**	**23.562**	**.47431**	**.47148**	**25.60**	**.50877**	**.49512**
Stddev	.000	.377	.00107	.017	.00014	.00304	.004	.00101	.00358	.11	.00280	.00479
%RSD	.00108	1.5797	.22437	.07053	.02700	.61115	.01661	.21219	.75941	.4401	.55066	.96702
#1	23.864	23.596	.47770	24.400	.50129	.49930	23.559	.47502	.46895	25.68	.51075	.49174
#2	23.864	24.129	.47618	24.376	.50110	.49500	23.564	.47360	.47401	25.52	.50678	.49851
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	Si2881	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**22.553**	**.49011**	**.47220**	**.49098**	**.48364**	**.46005**	**.45521**
Stddev	.139	.00177	.00068	.00014	.00340	.00014	.00366
%RSD	.61551	.36104	.14489	.02912	.70233	.03093	.80463
#1	22.455	.49136	.47172	.49088	.48605	.45995	.45780
#2	22.651	.48886	.47269	.49108	.48124	.46015	.45262
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	**1954.6**	**2892.1**	**25190.**	**4700.2**
Stddev	.6	1.4	23.	21.3
%RSD	.03240	.04686	.09018	.45399
#1	1955.0	2891.2	25207.	4715.3
#2	1954.1	2893.1	25174.	4685.2

Sample Name: CCB Acquired: 4/10/2012 20:00:28 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	Ba4554-2	Be3130	Ca3179	Cd2288	Co2286	Cr2677	Cu3247	Fe2599	K_7664
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00021**	**-.00616**	**.00055**	**.00431**	**.00004**	**-.00010**	**.00159**	**.00007**	**-.00022**	**.00116**	**.00053**	**.00386**	**.07689**
Stddev	.00053	.00452	.00168	.00056	.00003	.00002	.00381	.00022	.00030	.00012	.00035	.00624	.03907
%RSD	246.31	73.414	306.11	13.029	73.169	20.554	239.50	326.11	134.17	10.014	66.568	161.60	50.809
#1	-.00059	-.00935	.00173	.00470	.00002	-.00012	.00429	-.00009	-.00001	.00108	.00077	-.00055	.10451
#2	.00016	-.00296	-.00064	.00391	.00006	-.00009	-.00110	.00022	-.00043	.00124	.00028	.00827	.04926
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	**.00720**	**-.00065**	**.00064**	**-.00009**	**.00000**	**.09524**	**.00058**	**-.00101**	F **.0068**	**-.00270**	**.00215**	**.07510**	**-.00030**
Stddev	.00022	.00006	.00315	.00007	.00003	.00381	.00045	.00021	.0010	.00173	.00017	.02691	.00039
%RSD	2.9926	8.5893	492.78	82.986	1124.2	3.9959	78.359	20.391	14.26	64.011	7.9384	35.830	132.40
#1	.00736	-.00069	.00287	-.00014	.00002	.09794	.00026	-.00086	.0061	-.00392	.00203	.05608	-.00002
#2	.00705	-.00061	-.00159	-.00004	-.00002	.09255	.00090	-.00115	.0075	-.00148	.00227	.09413	-.00057
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	**.00015**	**-.00025**	**-.00099**	**.00021**	**-.00164**
Stddev	.00011	.00048	.00041	.00018	.00047
%RSD	72.817	189.55	41.050	83.981	28.872
#1	.00023	-.00059	-.00070	.00009	-.00198
#2	.00007	.00009	-.00127	.00034	-.00131
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	**2096.6**	**2935.8**	**25750.**	**4718.2**
Stddev	7.1	12.1	72.	26.3
%RSD	.34026	.41072	.27790	.55731
#1	2091.6	2927.3	25801.	4699.6
#2	2101.7	2944.4	25700.	4736.8

Sample Name: LCS 480-58757/2-B Acquired: 4/10/2012 20:02:51 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	Ba4554-2	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	.04588	9.3694	.19866	.20835	.19376	.20100	8.9611	.20330	.18978
Stddev	.00098	.0668	.00303	.00092	.00019	.00024	.0354	.00127	.00099
%RSD	2.1279	.71272	1.5236	.44069	.09983	.12005	.39503	.62673	.52097
#1	.04519	9.3222	.19651	.20900	.19362	.20117	8.9361	.20420	.19047
#2	.04657	9.4166	.20080	.20770	.19390	.20083	8.9862	.20239	.18908
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	.18929	.19833	9.5440	9.5320	8.5118	.19246	9.8037	.20510	.20627
Stddev	.00033	.00001	.0171	.0138	.1643	.00043	.0231	.00073	.00120
%RSD	.17355	.00609	.17897	.14459	1.9307	.22114	.23594	.35588	.58231
#1	.18906	.19832	9.5561	9.5418	8.3956	.19276	9.7874	.20459	.20712
#2	.18953	.19834	9.5319	9.5223	8.6280	.19215	9.8201	.20562	.20542
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	9.4537	.19075	.19252	F .0040	.20587	.19329	8.9524	.18670	.19298
Stddev	.0028	.00110	.00088	.0013	.00025	.00199	.0239	.00130	.00021
%RSD	.02994	.57724	.45541	32.09	.12283	1.0320	.26682	.69564	.10648
#1	9.4557	.19152	.19314	.0031	.20569	.19470	8.9692	.18761	.19284
#2	9.4517	.18997	.19190	.0049	.20605	.19188	8.9355	.18578	.19313
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	.19768	.19931	.18619	.19250
Stddev	.00081	.00132	.00089	.00107
%RSD	.40779	.66374	.47572	.55791
#1	.19711	.19837	.18556	.19326
#2	.19825	.20024	.18682	.19174
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	2036.6	2931.8	25574.	4795.9
Stddev	4.1	5.2	16.	13.3
%RSD	.20103	.17813	.06374	.27680
#1	2033.7	2928.1	25563.	4805.3
#2	2039.5	2935.5	25586.	4786.5

Sample Name: 480-18248-A-1-A Acquired: 4/10/2012 20:05:13 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	**-.00050**	**.01366**	**.00261**	**.03784**	**.05927**	**.00009**	**101.22**	**.00036**	**.00005**
Stddev	.00048	.04080	.00218	.00010	.00017	.00000	.32	.00017	.00018
%RSD	96.166	298.64	83.331	.25261	.27861	2.2186	.32088	48.010	377.05
#1	-.00084	-.01519	.00107	.03791	.05915	.00009	101.45	.00048	.00017
#2	-.00016	.04251	.00415	.03778	.05939	.00009	100.99	.00023	-.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	**.00372**	**.00270**	**.01709**	**.51753**	**.51561**	**.00173**	**54.465**	**.00033**	**.00029**
Stddev	.00038	.00033	.00786	.01900	.00032	.00140	.295	.00007	.00020
%RSD	10.315	12.206	45.996	3.6714	.06143	80.984	.54127	19.797	69.732
#1	.00345	.00293	.02264	.50410	.51583	.00272	54.674	.00038	.00015
#2	.00399	.00246	.01153	.53097	.51538	.00074	54.257	.00029	.00043
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	**12.275**	**.00256**	**.00096**	**8.270**	**-.00349**	**-.00577**	**9.0948**	**-.00102**	**.09720**
Stddev	.033	.00046	.00012	.046	.00006	.00009	.0562	.00069	.00006
%RSD	.26982	17.853	12.419	.5593	1.5951	1.5839	.61752	67.213	.06581
#1	12.299	.00288	.00105	8.303	-.00353	-.00570	9.1345	-.00054	.09715
#2	12.252	.00223	.00088	8.237	-.00345	-.00583	9.0550	-.00151	.09724
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	**.00080**	**.00120**	**.00075**	**-.00021**
Stddev	.00103	.00183	.00027	.00034
%RSD	129.11	152.26	35.662	161.27
#1	.00152	-.00009	.00056	-.00045
#2	.00007	.00250	.00094	.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	**1917.1**	**2811.3**	**24740.**	**4725.0**
Stddev	6.2	3.6	98.	11.8
%RSD	.32363	.12739	.39767	.25002
#1	1912.7	2808.8	24670.	4716.7
#2	1921.4	2813.8	24809.	4733.4

Sample Name: 480-18248-A-2-A Acquired: 4/10/2012 20:07:32 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**	**.02701**	**.00377**	**.01565**	**.06370**	**.00004**	**54.827**	**.00031**	**-.00019**
Stddev	.00027	.02781	.00014	.00015	.00014	.00029	.348	.00017	.00005
%RSD	100.26	102.96	3.6757	.95721	.22462	641.36	.63556	56.713	24.118
#1	-.00008	.00734	.00367	.01555	.06360	.00025	55.074	.00018	-.00016
#2	-.00046	.04667	.00387	.01576	.06380	-.00016	54.581	.00043	-.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	**.00248**	**.00365**	**.01832**	**1.8386**	**1.8810**	**.01538**	**48.356**	**.00098**	**.00089**
Stddev	.00010	.00009	.00968	.0260	.0022	.00054	.127	.00017	.00028
%RSD	4.0590	2.4724	52.840	1.4137	.11745	3.5327	.26178	17.288	31.237
#1	.00255	.00371	.02517	1.8203	1.8825	.01500	48.446	.00110	.00109
#2	.00241	.00358	.01148	1.8570	1.8794	.01577	48.267	.00086	.00069
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	**9.7361**	**.04475**	**.00229**	**20.06**	**-.00081**	**-.00348**	**8.4508**	**-.00138**	**.13219**
Stddev	.0032	.00067	.00226	.01	.00111	.00101	.0825	.00043	.00060
%RSD	.03311	1.5002	98.818	.0395	137.98	29.077	.97651	31.334	.45175
#1	9.7384	.04522	.00069	20.07	-.00159	-.00277	8.5091	-.00169	.13261
#2	9.7338	.04427	.00389	20.06	-.00002	-.00420	8.3924	-.00108	.13177
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	**.00005**	**-.00004**	**.00034**	**.00029**
Stddev	.00062	.00100	.00057	.00072
%RSD	1189.3	2357.3	167.12	244.10
#1	.00049	.00067	.00074	-.00021
#2	-.00039	-.00075	-.00006	.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	**1963.0**	**2858.4**	**24929.**	**4739.3**
Stddev	2.9	4.0	70.	28.3
%RSD	.14665	.14098	.28177	.59657
#1	1961.0	2861.3	24879.	4719.3
#2	1965.1	2855.6	24979.	4759.3

Sample Name: 480-18248-A-3-A Acquired: 4/10/2012 20:09:50 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	Ba4554-2	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**	**.02741**	**.00302**	**.03184**	**.12323**	**-.00018**	**105.83**	**.00047**	**-.00016**
Stddev	.00048	.01287	.00269	.00050	.00010	.00006	.64	.00024	.00001
%RSD	59.420	46.949	88.971	1.5814	.08401	32.385	.60635	51.497	3.2730
#1	-.00114	.03651	.00112	.03220	.12316	-.00014	105.38	.00064	-.00016
#2	-.00047	.01831	.00493	.03149	.12331	-.00022	106.29	.00030	-.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	**.00245**	**.00301**	**.00963**	**.61476**	**.68346**	**.00267**	**81.071**	**.00017**	**.00006**
Stddev	.00045	.00022	.00684	.00453	.00019	.00137	.340	.00019	.00016
%RSD	18.336	7.3656	71.035	.73756	.02768	51.244	.41925	108.32	269.37
#1	.00213	.00317	.01446	.61796	.68359	.00364	80.831	.00004	-.00005
#2	.00277	.00285	.00479	.61155	.68332	.00170	81.312	.00030	.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	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	**17.774**	**.00181**	**.00484**	**12.84**	**-.00224**	**-.00405**	**12.187**	**-.00079**	**.08797**
Stddev	.036	.00046	.00006	.05	.00114	.00394	.031	.00006	.00009
%RSD	.20268	25.614	1.2526	.3529	51.068	97.202	.25501	7.6722	.09663
#1	17.749	.00148	.00488	12.88	-.00305	-.00127	12.165	-.00075	.08791
#2	17.800	.00214	.00480	12.81	-.00143	-.00684	12.209	-.00084	.08803
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	**.00098**	**-.00036**	**.00212**	**-.00003**
Stddev	.00004	.00257	.00020	.00005
%RSD	4.1616	716.35	9.3563	177.15
#1	.00101	-.00218	.00198	.00001
#2	.00095	.00146	.00226	-.00006
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	**1884.3**	**2781.2**	**24618.**	**4717.8**
Stddev	2.2	1.4	147.	25.5
%RSD	.11806	.04958	.59811	.54097
#1	1882.7	2780.3	24722.	4735.9
#2	1885.8	2782.2	24514.	4699.8

Sample Name: 480-18248-A-3-A SD@5 Acquired: 4/10/2012 20:12:09 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	**.00022**	**-.01507**	**.00285**	**.00722**	**.02428**	**-.00014**	**20.735**	**.00007**	**-.00036**
Stddev	.00075	.01368	.00054	.00048	.00003	.00013	.067	.00011	.00004
%RSD	344.13	90.759	18.951	6.6771	.13045	97.335	.32215	149.99	10.721
#1	.00075	-.02475	.00247	.00688	.02425	-.00023	20.688	.00015	-.00038
#2	-.00031	-.00540	.00323	.00756	.02430	-.00004	20.782	.00000	-.00033
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	**.00119**	**.00145**	**.00339**	**.12457**	**.10140**	**-.00005**	**15.582**	**.00011**	**-.00006**
Stddev	.00063	.00044	.00427	.00746	.00046	.00087	.035	.00004	.00009
%RSD	52.468	30.465	125.85	5.9912	.45044	1597.0	.22216	40.830	150.68
#1	.00164	.00176	.00037	.12984	.10108	-.00067	15.606	.00014	-.00012
#2	.00075	.00113	.00641	.11929	.10173	.00056	15.557	.00008	.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	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	**3.3927**	**.00032**	**.00195**	**2.416**	**-.00115**	**-.00038**	**2.3450**	**-.00067**	**.01719**
Stddev	.0018	.00018	.00055	.028	.00129	.00117	.0253	.00048	.00009
%RSD	.05423	57.798	28.158	1.143	112.20	309.96	1.0774	72.801	.52991
#1	3.3914	.00019	.00234	2.436	-.00024	.00045	2.3629	-.00032	.01725
#2	3.3940	.00045	.00156	2.397	-.00207	-.00121	2.3271	-.00101	.01712
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	**.00036**	**.00022**	**.00013**	**-.00103**
Stddev	.00012	.00197	.00049	.00040
%RSD	32.620	902.35	360.39	38.859
#1	.00044	.00161	.00048	-.00075
#2	.00028	-.00118	-.00021	-.00131
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	**2046.9**	**2927.9**	**25694.**	**4813.9**
Stddev	1.7	5.1	8.	1.0
%RSD	.08427	.17444	.03103	.02131
#1	2048.1	2924.3	25688.	4813.1
#2	2045.7	2931.5	25699.	4814.6

Sample Name: 480-18248-A-3-A PDS Acquired: 4/10/2012 20:14:30 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	**.04706**	**9.5203**	**.21172**	**.24117**	**.30861**	**.20560**	**111.11**	**.20885**	**.19583**
Stddev	.00163	.0446	.00168	.00063	.00308	.00007	.40	.00007	.00070
%RSD	3.4609	.46842	.79554	.25930	.99718	.03643	.36247	.03505	.35975
#1	.04821	9.5518	.21291	.24073	.31079	.20566	111.39	.20880	.19633
#2	.04591	9.4887	.21053	.24162	.30644	.20555	110.82	.20890	.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	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	**.19245**	**.20349**	**9.6446**	**10.411**	**11.297**	**.19963**	**89.931**	**.20592**	**.20970**
Stddev	.00228	.00182	.0148	.032	.145	.00028	.878	.00270	.00007
%RSD	1.1867	.89489	.15380	.31098	1.2801	.14204	.97679	1.3134	.03121
#1	.19406	.20478	9.6551	10.434	11.399	.19983	90.552	.20784	.20965
#2	.19083	.20220	9.6341	10.388	11.194	.19943	89.310	.20401	.20974
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	**26.688**	**.19945**	**.20762**	**12.54**	**.20845**	**.20519**	**20.913**	**.20240**	**.28208**
Stddev	.022	.00109	.00100	.04	.00362	.00490	.133	.00192	.00032
%RSD	.08339	.54649	.48113	.3586	1.7387	2.3860	.63574	.94671	.11397
#1	26.703	.20022	.20833	12.57	.21101	.20173	21.007	.20375	.28186
#2	26.672	.19868	.20692	12.51	.20589	.20865	20.819	.20104	.28231
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	**.20346**	**.20527**	**.19108**	**.19788**
Stddev	.00064	.00279	.00173	.00183
%RSD	.31389	1.3583	.90440	.92248
#1	.20301	.20724	.19230	.19917
#2	.20391	.20330	.18986	.19659
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	**1887.3**	**2857.3**	**24890.**	**4826.6**
Stddev	2.5	8.2	187.	52.2
%RSD	.13059	.28663	.75097	1.0823
#1	1889.0	2863.1	24757.	4789.6
#2	1885.6	2851.5	25022.	4863.5

Sample Name: 480-18248-A-3-B MS Acquired: 4/10/2012 20:16:49 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	**.04704**	**9.2801**	**.21472**	**.24299**	**.30957**	**.20360**	**115.44**	**.21078**	**.19688**
Stddev	.00014	.0613	.00246	.00023	.00063	.00050	.57	.00110	.00121
%RSD	.30578	.66095	1.1479	.09357	.20481	.24420	.49636	.52362	.61433
#1	.04694	9.3235	.21647	.24315	.30912	.20395	115.84	.21156	.19773
#2	.04714	9.2367	.21298	.24283	.31002	.20325	115.03	.21000	.19602
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	**.19153**	**.20119**	**9.5855**	**10.277**	**11.298**	**.19664**	**94.756**	**.20612**	**.21204**
Stddev	.00037	.00126	.0913	.023	.282	.00131	.208	.00079	.00055
%RSD	.19198	.62644	.95287	.22182	2.4967	.66493	.21938	.38450	.25910
#1	.19127	.20208	9.6501	10.293	11.498	.19756	94.609	.20556	.21243
#2	.19179	.20030	9.5209	10.261	11.099	.19572	94.903	.20668	.21165
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	**27.367**	**.19826**	**.20990**	**13.25**	**.21123**	**.20744**	**21.059**	**.19958**	**.28449**
Stddev	.004	.00091	.00103	.00	.00078	.00191	.083	.00058	.00049
%RSD	.01639	.45849	.49033	.0042	.36924	.91980	.39329	.29258	.17238
#1	27.370	.19891	.20917	13.25	.21179	.20609	21.117	.19917	.28484
#2	27.364	.19762	.21062	13.25	.21068	.20879	21.000	.20000	.28414
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	**.20105**	**.20784**	**.18942**	**.19798**
Stddev	.00192	.00246	.00018	.00185
%RSD	.95405	1.1848	.09275	.93568
#1	.19970	.20958	.18954	.19667
#2	.20241	.20610	.18930	.19929
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	**1871.2**	**2822.8**	**24832.**	**4840.6**
Stddev	.4	.7	126.	20.7
%RSD	.02234	.02569	.50644	.42670
#1	1871.5	2823.3	24921.	4825.9
#2	1870.9	2822.3	24743.	4855.2

Sample Name: 480-18248-A-3-C MSD Acquired: 4/10/2012 20:19:10 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	Ba4554-2	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	**.04550**	**9.2485**	**.21497**	**.24399**	**.30748**	**.20354**	**113.50**	**.21283**	**.19747**
Stddev	.00174	.0023	.00117	.00043	.00096	.00007	.30	.00028	.00001
%RSD	3.8269	.02480	.54552	.17455	.31286	.03351	.26690	.13190	.00488
#1	.04673	9.2468	.21414	.24429	.30816	.20359	113.29	.21303	.19748
#2	.04427	9.2501	.21580	.24368	.30680	.20350	113.72	.21263	.19747
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	**.19524**	**.20147**	**9.5916**	**10.247**	**11.487**	**.19302**	**94.843**	**.20748**	**.21470**
Stddev	.00244	.00046	.0740	.007	.023	.00090	.084	.00113	.00053
%RSD	1.2497	.22695	.77143	.07075	.19928	.46579	.08908	.54359	.24459
#1	.19697	.20179	9.5392	10.241	11.471	.19239	94.903	.20668	.21508
#2	.19352	.20114	9.6439	10.252	11.503	.19366	94.784	.20827	.21433
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	**27.016**	**.20058**	**.20939**	**13.08**	**.21154**	**.20398**	**20.789**	**.19791**	**.28337**
Stddev	.051	.00030	.00244	.07	.00132	.00641	.062	.00115	.00058
%RSD	.18691	.14716	1.1675	.5329	.62214	3.1434	.29655	.58296	.20385
#1	26.981	.20038	.20766	13.13	.21247	.20851	20.745	.19873	.28296
#2	27.052	.20079	.21111	13.03	.21060	.19945	20.833	.19710	.28378
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	**.20063**	**.20912**	**.19114**	**.20109**
Stddev	.00080	.00082	.00253	.00111
%RSD	.39850	.39261	1.3236	.55381
#1	.20006	.20971	.19293	.20188
#2	.20119	.20854	.18935	.20031
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	**1877.6**	**2827.6**	**24823.**	**4837.7**
Stddev	3.3	2.5	27.	28.9
%RSD	.17458	.08875	.10785	.59829
#1	1879.9	2829.3	24805.	4817.2
#2	1875.3	2825.8	24842.	4858.1

Sample Name: 480-18248-A-4-A Acquired: 4/10/2012 20:21:30 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	**-.00016**	**.02016**	**.00351**	**.01755**	**.13658**	**-.00007**	**85.038**	**.00057**	**-.00019**
Stddev	.00087	.03510	.00151	.00026	.00020	.00011	.194	.00017	.00012
%RSD	549.80	174.07	42.860	1.4615	.14485	165.51	.22794	29.046	61.899
#1	-.00078	-.00466	.00245	.01737	.13644	-.00015	85.175	.00046	-.00011
#2	.00046	.04498	.00458	.01774	.13672	.00001	84.901	.00069	-.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	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**	**.00442**	**.02170**	**.71371**	**.71052**	**.00104**	**59.416**	**.00035**	**.00003**
Stddev	.00013	.00040	.00461	.02627	.00759	.00168	.087	.00017	.00018
%RSD	4.8588	9.0387	21.246	3.6803	1.0687	162.27	.14698	46.897	540.87
#1	.00271	.00471	.01844	.69513	.71589	.00222	59.478	.00047	-.00009
#2	.00253	.00414	.02496	.73228	.70515	-.00015	59.354	.00024	.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	**6.7250**	**.00198**	**.00023**	**8.583**	**-.00058**	**-.00205**	**8.5075**	**-.00120**	**.05952**
Stddev	.0089	.00102	.00068	.065	.00143	.00081	.0434	.00002	.00020
%RSD	.13153	51.622	294.06	.7613	245.57	39.519	.51003	1.6044	.33974
#1	6.7312	.00126	.00071	8.629	-.00159	-.00148	8.5382	-.00122	.05966
#2	6.7187	.00271	-.00025	8.537	.00043	-.00262	8.4769	-.00119	.05938
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**	**.00223**	**.00077**	**.00042**
Stddev	.00060	.00148	.00023	.00058
%RSD	139.73	66.477	30.252	138.95
#1	.00001	.00118	.00061	.00001
#2	.00086	.00328	.00094	.00083
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	**1946.7**	**2840.2**	**25177.**	**4871.1**
Stddev	2.9	7.3	30.	34.3
%RSD	.14891	.25740	.12103	.70327
#1	1948.8	2845.3	25199.	4846.9
#2	1944.7	2835.0	25156.	4895.3

Sample Name: 480-18248-A-5-A Acquired: 4/10/2012 20:23:49 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	**.00009**	**-.03850**	**.00366**	**.01812**	**.15034**	**-.00022**	**78.601**	**.00045**	**-.00008**
Stddev	.00018	.03042	.00005	.00058	.00028	.00004	.263	.00022	.00012
%RSD	192.18	79.028	1.4334	3.2213	.18871	20.013	.33477	49.409	146.19
#1	-.00003	-.06001	.00362	.01770	.15014	-.00025	78.415	.00029	.00000
#2	.00022	-.01698	.00370	.01853	.15054	-.00019	78.787	.00061	-.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	**.00202**	**.00406**	**.02944**	**.68196**	**.67972**	**.00043**	**54.464**	**.00039**	**.00016**
Stddev	.00060	.00009	.00295	.00124	.00274	.00012	.013	.00002	.00010
%RSD	29.754	2.2332	10.006	.18150	.40245	28.206	.02476	4.3157	61.349
#1	.00160	.00400	.02736	.68108	.68165	.00034	54.455	.00037	.00023
#2	.00245	.00412	.03152	.68283	.67778	.00052	54.474	.00040	.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	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	**7.7996**	**.00324**	**.00123**	**9.963**	**-.00185**	**-.00265**	**8.0019**	**-.00153**	**.05302**
Stddev	.0468	.00001	.00207	.035	.00052	.00204	.0100	.00029	.00035
%RSD	.60010	.21597	168.87	.3543	28.385	76.940	.12449	18.670	.65678
#1	7.7665	.00324	.00269	9.988	-.00148	-.00121	7.9949	-.00173	.05278
#2	7.8327	.00323	-.00024	9.938	-.00222	-.00409	8.0089	-.00133	.05327
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	**.00091**	**-.00014**	**-.00004**	**-.00104**
Stddev	.00001	.00007	.00009	.00027
%RSD	.77512	52.625	224.77	26.342
#1	.00090	-.00009	-.00010	-.00123
#2	.00091	-.00019	.00002	-.00084
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	**1954.0**	**2822.0**	**25414.**	**4854.5**
Stddev	2.1	4.8	60.	36.9
%RSD	.10527	.16937	.23784	.75988
#1	1952.6	2825.4	25371.	4828.4
#2	1955.5	2818.6	25457.	4880.6

Sample Name: CCV Acquired: 4/10/2012 20:26:11 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
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F .44193	F 22.420	.51647	.51506	F .44839	.46965	F 22.098	.51928	.47390	.48134	.46879	23.807
Stddev	.00078	.041	.00325	.00334	.00173	.00252	.123	.00040	.00126	.00013	.00126	.138
%RSD	.17702	.18347	.62952	.64898	.38549	.53577	.55581	.07674	.26560	.02666	.26780	.57766
#1	.44138	22.391	.51417	.51743	.44961	.47143	22.185	.51956	.47479	.48143	.46790	23.904
#2	.44248	22.449	.51877	.51270	.44716	.46787	22.011	.51900	.47301	.48125	.46967	23.709
Check ?	Chk Fail	Chk Fail	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value	.50000	25.000			.50000		25.000					
Range	-10.000%	-10.000%			-10.000%		-10.000%					

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	23.890	23.325	.45176	25.645	.51263	.52212	23.334	.48003	.48986	25.40	.50547	.50736
Stddev	.172	.544	.00183	.015	.00007	.00227	.163	.00429	.00820	.03	.00244	.00056
%RSD	.71904	2.3332	.40438	.05878	.01433	.43430	.69880	.89416	1.6740	.1064	.48357	.11066
#1	24.011	23.710	.45306	25.635	.51268	.52372	23.449	.48307	.49566	25.42	.50720	.50775
#2	23.768	22.940	.45047	25.656	.51258	.52052	23.218	.47700	.48406	25.39	.50374	.50696
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	Si2881	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F 21.899	.47931	.48990	.47442	.51667	.46736	.48227
Stddev	.154	.00349	.00418	.00129	.00049	.00086	.00144
%RSD	.70249	.72900	.85249	.27295	.09411	.18358	.29789
#1	22.008	.48178	.49285	.47351	.51633	.46676	.48329
#2	21.790	.47684	.48694	.47534	.51702	.46797	.48126
Check ?	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value	25.000						
Range	-10.000%						

Int. Std.	In2306	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	1967.4	2882.1	25674.	4801.3
Stddev	.9	5.2	5.	40.0
%RSD	.04495	.18175	.01989	.83301
#1	1966.8	2885.8	25671.	4773.0
#2	1968.1	2878.4	25678.	4829.6

Sample Name: CCB Acquired: 4/10/2012 20:28:26 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	-.01526	.00172	.00180	.00005	.00001	.01021	.00021	-.00013	.00061	.00213	.00922	-.00772
Stddev	.00032	.00777	.00078	.00036	.00000	.00008	.00025	.00001	.00007	.00015	.00001	.00681	.01737
%RSD	36.975	50.926	45.285	20.056	4.5249	748.10	2.4693	3.5645	54.035	23.952	.42880	73.899	224.86
#1	.00108	-.02076	.00117	.00154	.00005	-.00004	.01039	.00021	-.00008	.00072	.00212	.00440	-.02001
#2	.00063	-.00977	.00227	.00205	.00006	.00006	.01003	.00020	-.00018	.00051	.00214	.01404	.00456
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	.00303	-.00013	.00493	.00003	-.00009	.02530	.00032	.00124	-.0025	-.00068	-.00209	.00358	-.00037
Stddev	.00009	.00138	.00514	.00001	.00004	.00337	.00064	.00002	.0011	.00016	.00535	.06565	.00009
%RSD	3.1248	1034.8	104.20	20.066	49.269	13.315	197.41	1.3019	43.11	24.053	255.81	1835.0	24.965
#1	.00296	-.00111	.00857	.00003	-.00006	.02769	.00077	.00125	-.0018	-.00056	-.00588	.05000	-.00044
#2	.00310	.00084	.00130	.00002	-.00012	.02292	-.00013	.00123	-.0033	-.00079	.00169	-.04284	-.00031
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	.00036	.00037	-.00057	-.00145
Stddev	.00008	.00043	.00004	.00015	.00059
%RSD	114.00	119.14	10.858	26.431	41.057
#1	.00013	.00006	.00040	-.00046	-.00103
#2	.00001	.00067	.00035	-.00068	-.00187
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	2104.3	2917.2	26254.	4761.0
Stddev	.4	1.1	36.	40.2
%RSD	.01789	.03820	.13662	.84433
#1	2104.0	2916.4	26279.	4789.5
#2	2104.6	2918.0	26229.	4732.6

Sample Name: 480-18248-A-6-A Acquired: 4/10/2012 20:30:49 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**	**.01357**	**.00314**	**.01804**	**.19321**	**-.00014**	**84.135**	**.00035**	**-.00027**
Stddev	.00038	.00505	.00193	.00007	.00016	.00006	.318	.00007	.00014
%RSD	102.41	37.193	61.424	.39410	.08125	45.525	.37806	18.832	51.511
#1	-.00064	.01000	.00178	.01799	.19333	-.00018	84.360	.00039	-.00017
#2	-.00010	.01714	.00450	.01809	.19310	-.00009	83.910	.00030	-.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	**.00307**	**.00410**	**.02007**	**1.0142**	**1.0633**	**.00254**	**54.303**	**.00052**	**.00018**
Stddev	.00013	.00041	.00464	.0321	.0206	.00092	.232	.00009	.00024
%RSD	4.3763	10.042	23.122	3.1614	1.9378	36.145	.42813	17.628	132.43
#1	.00316	.00381	.02336	1.0368	1.0779	.00318	54.138	.00046	.00001
#2	.00297	.00439	.01679	.99151	1.0487	.00189	54.467	.00059	.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	**6.4311**	**.00182**	**.00426**	**10.74**	**-.00419**	**.00287**	**10.412**	**-.00103**	**.06905**
Stddev	.0011	.00048	.00296	.08	.00196	.00419	.086	.00020	.00025
%RSD	.01683	26.200	69.506	.7119	46.894	145.74	.82679	19.519	.36912
#1	6.4303	.00216	.00217	10.80	-.00558	-.00009	10.473	-.00117	.06887
#2	6.4319	.00148	.00636	10.69	-.00280	.00584	10.351	-.00088	.06923
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	**.00055**	**.00059**	**.00105**	**.00068**
Stddev	.00035	.00306	.00034	.00070
%RSD	62.933	520.58	32.535	103.76
#1	.00080	-.00158	.00130	.00018
#2	.00031	.00275	.00081	.00118
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	**1938.0**	**2807.3**	**25205.**	**4741.3**
Stddev	3.4	.7	149.	47.9
%RSD	.17577	.02473	.59299	1.0107
#1	1940.4	2807.8	25311.	4707.4
#2	1935.6	2806.8	25100.	4775.2

Sample Name: 480-18248-A-7-A Acquired: 4/10/2012 20:33:08 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	**-.00039**	**-.02022**	**.00246**	**.02921**	**.14151**	**.00010**	**92.337**	**.00071**	**-.00027**
Stddev	.00011	.06128	.00125	.00114	.00005	.00002	.308	.00015	.00024
%RSD	27.335	303.15	50.896	3.9141	.03847	20.515	.33391	21.235	90.659
#1	-.00032	-.06355	.00157	.03002	.14155	.00011	92.555	.00060	-.00044
#2	-.00047	.02312	.00334	.02840	.14147	.00008	92.119	.00082	-.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	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	**.00226**	**.00425**	**.02121**	**4.9679**	**5.2416**	**.00175**	**59.133**	**.00204**	**-.00024**
Stddev	.00027	.00030	.00920	.0030	.0800	.00001	.059	.00004	.00009
%RSD	12.022	7.0282	43.377	.05974	1.5259	.50833	.09944	1.9692	38.884
#1	.00245	.00404	.01470	4.9700	5.2982	.00176	59.091	.00207	-.00018
#2	.00207	.00447	.02771	4.9658	5.1851	.00174	59.174	.00201	-.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	**6.7569**	**.00215**	**.00142**	**11.77**	**-.00196**	**-.00502**	**10.737**	**-.00159**	**.07443**
Stddev	.0119	.00072	.00119	.04	.00159	.00128	.021	.00013	.00026
%RSD	.17667	33.380	83.699	.3293	81.079	25.532	.19471	8.2997	.34938
#1	6.7485	.00265	.00226	11.80	-.00084	-.00593	10.722	-.00169	.07461
#2	6.7654	.00164	.00058	11.74	-.00309	-.00411	10.751	-.00150	.07425
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	**.00044**	**.00081**	**.00136**	**.00021**
Stddev	.00047	.00136	.00016	.00021
%RSD	105.65	169.27	11.885	98.148
#1	.00077	.00177	.00125	.00006
#2	.00011	-.00016	.00148	.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	**1925.2**	**2787.6**	**25034.**	**4747.8**
Stddev	4.0	2.1	67.	33.9
%RSD	.20792	.07481	.26848	.71465
#1	1922.3	2786.2	25082.	4723.8
#2	1928.0	2789.1	24987.	4771.8

Sample Name: 480-18248-A-8-A Acquired: 4/10/2012 20:35:27 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	**-.00094**	**.18246**	**.00448**	**.05312**	**.15393**	**-.00016**	**99.065**	**.00038**	**-.00023**
Stddev	.00078	.01262	.00177	.00090	.00128	.00012	.124	.00007	.00017
%RSD	83.437	6.9187	39.544	1.6895	.83007	74.144	.12550	19.170	75.521
#1	-.00149	.17354	.00323	.05248	.15303	-.00007	98.977	.00043	-.00011
#2	-.00038	.19139	.00574	.05375	.15484	-.00024	99.153	.00033	-.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	**.00274**	**.01092**	**.34045**	**3.4515**	**3.7273**	**.00189**	**55.778**	**.00332**	**.00005**
Stddev	.00134	.00073	.00998	.0200	.0778	.00051	.027	.00004	.00002
%RSD	49.108	6.6621	2.9315	.57850	2.0863	27.148	.04879	1.2466	33.397
#1	.00179	.01144	.34751	3.4373	3.7823	.00226	55.797	.00329	.00004
#2	.00369	.01041	.33339	3.4656	3.6724	.00153	55.759	.00335	.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	**14.651**	**.00350**	**.00137**	**7.434**	**-.00138**	**-.00295**	**8.9751**	**-.00217**	**.10898**
Stddev	.005	.00043	.00028	.025	.00055	.00373	.0724	.00046	.00019
%RSD	.03211	12.271	20.407	.3406	39.927	126.50	.80628	21.065	.17835
#1	14.648	.00320	.00157	7.452	-.00099	-.00558	8.9240	-.00249	.10884
#2	14.655	.00381	.00117	7.416	-.00177	-.00031	9.0263	-.00185	.10912
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	**.00740**	**.00040**	**.00134**	**.00470**
Stddev	.00030	.00278	.00063	.00091
%RSD	4.0934	701.81	47.086	19.421
#1	.00719	.00236	.00089	.00405
#2	.00762	-.00157	.00179	.00534
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	**1897.1**	**2779.2**	**24740.**	**4652.8**
Stddev	2.4	2.3	71.	33.3
%RSD	.12613	.08277	.28715	.71570
#1	1898.8	2780.8	24790.	4629.2
#2	1895.4	2777.5	24689.	4676.3

Sample Name: 480-18248-A-9-A Acquired: 4/10/2012 20:37:45 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	**-.00036**	**.00293**	**.00142**	**.03438**	**.11274**	**-.00012**	**82.124**	**.00056**	**-.00041**
Stddev	.00106	.01109	.00028	.00004	.00092	.00007	.268	.00004	.00007
%RSD	298.27	378.82	19.345	.11088	.81814	61.771	.32684	6.3649	17.477
#1	-.00111	.01077	.00123	.03440	.11339	-.00007	81.934	.00059	-.00046
#2	.00040	-.00491	.00162	.03435	.11209	-.00017	82.314	.00054	-.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	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	**.00152**	**.00494**	**.02066**	**1.0522**	**1.1367**	**.00120**	**52.623**	**.00020**	**.00002**
Stddev	.00022	.00005	.00273	.0461	.0116	.00055	.113	.00008	.00034
%RSD	14.809	.92008	13.222	4.3848	1.0162	46.077	.21421	42.960	1570.6
#1	.00167	.00491	.02259	1.0848	1.1285	.00081	52.544	.00026	.00026
#2	.00136	.00498	.01873	1.0196	1.1448	.00159	52.703	.00014	-.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	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	**15.899**	**.00255**	**.00347**	**10.77**	**-.00196**	**-.00408**	**7.9107**	**-.00184**	**.07081**
Stddev	.055	.00028	.00008	.05	.00084	.00260	.0262	.00061	.00030
%RSD	.34793	10.819	2.2689	.4932	42.770	63.559	.33163	33.333	.41800
#1	15.860	.00275	.00352	10.81	-.00137	-.00592	7.8921	-.00140	.07060
#2	15.938	.00236	.00341	10.73	-.00256	-.00225	7.9292	-.00227	.07102
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	**.00071**	**.00245**	**-.00002**	**.00394**
Stddev	.00027	.00117	.00084	.00008
%RSD	38.402	47.976	3537.8	2.0332
#1	.00051	.00328	.00057	.00388
#2	.00090	.00162	-.00062	.00399
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	**1914.1**	**2791.0**	**24899.**	**4710.6**
Stddev	1.2	3.5	80.	12.6
%RSD	.06122	.12614	.31996	.26660
#1	1914.9	2788.5	24843.	4719.5
#2	1913.3	2793.5	24955.	4701.7

Sample Name: 480-18248-A-10-A Acquired: 4/10/2012 20:40:04 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	**-.00054**	**.03663**	**.00159**	**.02069**	**.05508**	**-.00015**	**80.321**	**.00068**	**-.00026**
Stddev	.00075	.00439	.00498	.00006	.00011	.00026	.206	.00005	.00021
%RSD	140.16	11.975	313.98	.30756	.20381	173.42	.25675	6.7775	81.732
#1	-.00107	.03973	.00511	.02074	.05516	.00003	80.467	.00065	-.00041
#2	.00000	.03352	-.00194	.02065	.05500	-.00033	80.176	.00071	-.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	**.00253**	**.00325**	**.01429**	**.88381**	**.99143**	**-.00049**	**56.393**	**.00066**	**.00027**
Stddev	.00028	.00080	.00924	.04466	.01019	.00025	.090	.00007	.00000
%RSD	11.018	24.716	64.638	5.0527	1.0279	52.532	.15921	11.367	.16011
#1	.00273	.00269	.00776	.85223	.99863	-.00067	56.329	.00061	.00027
#2	.00234	.00382	.02082	.91538	.98422	-.00031	56.456	.00071	.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	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	**30.547**	**.00203**	**.00162**	**6.612**	**-.00294**	**-.00040**	**7.8003**	**-.00155**	**.06080**
Stddev	.191	.00047	.00129	.033	.00035	.00339	.0871	.00032	.00051
%RSD	.62521	23.326	79.695	.4982	11.987	854.64	1.1162	20.891	.84053
#1	30.682	.00169	.00071	6.635	-.00269	-.00279	7.8619	-.00132	.06116
#2	30.412	.00236	.00254	6.589	-.00319	.00200	7.7387	-.00178	.06044
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	**.00036**	**-.00034**	**.00159**	**-.00045**
Stddev	.00031	.00116	.00074	.00049
%RSD	86.127	343.68	46.563	109.14
#1	.00058	-.00115	.00212	-.00079
#2	.00014	.00048	.00107	-.00010
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	**1899.7**	**2794.0**	**24755.**	**4711.5**
Stddev	5.2	3.1	2.	11.5
%RSD	.27418	.11145	.00815	.24353
#1	1903.4	2796.2	24757.	4703.3
#2	1896.0	2791.8	24754.	4719.6

Sample Name: 480-18248-A-11-A Acquired: 4/10/2012 20:42:21 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	**.00051**	**.01060**	**.00262**	**.02833**	**.24709**	**-.00009**	**79.551**	**.00057**	**.00000**
Stddev	.00009	.00951	.00225	.00011	.00053	.00030	.440	.00007	.0000
%RSD	18.272	89.719	85.601	.37932	.21255	320.04	.55303	12.611	2301.2
#1	.00044	.00388	.00421	.02840	.24672	.00012	79.862	.00062	.00003
#2	.00057	.01733	.00104	.02825	.24746	-.00031	79.240	.00052	-.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**	**.00313**	**.01918**	**.72617**	**.76161**	**-.00008**	**51.315**	**.00041**	**-.00010**
Stddev	.00002	.00037	.00423	.00558	.01193	.00065	.009	.00004	.00004
%RSD	1.0668	11.669	22.039	.76869	1.5669	858.43	.01811	9.9477	40.477
#1	.00222	.00287	.01619	.72222	.77004	-.00053	51.321	.00044	-.00013
#2	.00225	.00339	.02217	.73012	.75317	.00038	51.308	.00038	-.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	**7.9854**	**.00222**	**.00017**	**6.091**	**-.00278**	**-.00304**	**7.8876**	**-.00102**	**.05294**
Stddev	.0489	.00105	.00141	.058	.00094	.00444	.0299	.00071	.00083
%RSD	.61234	47.018	812.79	.9507	33.855	146.00	.37927	69.846	1.5677
#1	8.0200	.00296	-.00083	6.132	-.00345	.00010	7.9088	-.00152	.05353
#2	7.9508	.00148	.00117	6.050	-.00212	-.00617	7.8665	-.00051	.05235
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**	**.00121**	**.00088**	**.00106**
Stddev	.00037	.00089	.00072	.00018
%RSD	34.830	73.480	81.997	17.178
#1	.00133	.00058	.00037	.00093
#2	.00080	.00184	.00139	.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	**1927.7**	**2798.3**	**24934.**	**4738.2**
Stddev	4.8	7.0	102.	43.7
%RSD	.25083	.25056	.40935	.92148
#1	1924.3	2793.3	25006.	4707.3
#2	1931.2	2803.2	24862.	4769.1

Sample Name: 480-18248-A-12-A Acquired: 4/10/2012 20:44:41 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	**-.00020**	**.02132**	**.00259**	**.04492**	**.16913**	**-.00020**	**82.351**	**.00035**	**-.00018**
Stddev	.00038	.00741	.00054	.00062	.00103	.00000	.296	.00002	.00011
%RSD	191.08	34.765	20.651	1.3723	.60780	1.9336	.35927	6.4186	60.645
#1	.00007	.02657	.00297	.04536	.16986	-.00020	82.560	.00036	-.00026
#2	-.00047	.01608	.00221	.04448	.16840	-.00020	82.142	.00033	-.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	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	**.00317**	**.00297**	**.01852**	**.82270**	**.86721**	**.00134**	**52.998**	**.00022**	**.00008**
Stddev	.00034	.00042	.00082	.01068	.00552	.00074	.291	.00009	.00011
%RSD	10.601	14.160	4.4156	1.2978	.63683	55.364	.54997	38.263	133.95
#1	.00341	.00327	.01794	.81515	.87111	.00186	53.205	.00028	.00016
#2	.00293	.00267	.01910	.83025	.86330	.00081	52.792	.00016	.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	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	**7.9137**	**.00194**	**.00025**	**5.893**	**-.00238**	**-.00385**	**8.5012**	**-.00152**	**.05911**
Stddev	.0161	.00016	.00169	.013	.00145	.00397	.0702	.00009	.00061
%RSD	.20378	8.4489	681.85	.2193	61.140	103.02	.82562	6.1725	1.0237
#1	7.9251	.00183	-.00095	5.902	-.00135	-.00105	8.5508	-.00158	.05954
#2	7.9022	.00206	.00144	5.884	-.00341	-.00666	8.4515	-.00145	.05869
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	**.00040**	**-.00084**	**-.00031**	**-.00060**
Stddev	.00026	.00064	.00051	.00018
%RSD	64.030	75.886	167.15	29.646
#1	.00022	-.00129	-.00067	-.00048
#2	.00058	-.00039	.00006	-.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	**1924.9**	**2794.9**	**24945.**	**4720.7**
Stddev	.6	3.2	50.	17.1
%RSD	.02869	.11622	.20004	.36181
#1	1924.5	2797.2	24909.	4708.6
#2	1925.3	2792.6	24980.	4732.8

Sample Name: 480-18248-A-13-A Acquired: 4/10/2012 20:46:59 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	**-.00032**	**.11173**	**.00143**	**.10894**	**.12356**	**.00002**	**98.334**	**.00063**	**-.00024**
Stddev	.00113	.01936	.00057	.00053	.00029	.00012	.325	.00003	.00011
%RSD	350.40	17.325	39.511	.48765	.23775	751.00	.33038	4.2754	46.928
#1	.00048	.09804	.00184	.10931	.12335	.00010	98.563	.00065	-.00032
#2	-.00112	.12542	.00103	.10856	.12377	-.00007	98.104	.00061	-.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	**.00264**	**.00416**	**.01978**	**.48078**	**.56929**	**.00235**	**54.325**	**.00042**	**-.00014**
Stddev	.00030	.00001	.00445	.02636	.00504	.00084	.244	.00000	.00001
%RSD	11.362	.22776	22.499	5.4822	.88486	35.788	.44916	.66592	9.3492
#1	.00243	.00415	.02292	.49941	.57286	.00294	54.153	.00042	-.00015
#2	.00286	.00417	.01663	.46214	.56573	.00176	54.498	.00042	-.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	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	**23.828**	**.00359**	**.00014**	**15.20**	**-.00393**	**-.00178**	**10.306**	**-.00181**	**.07677**
Stddev	.002	.00067	.00099	.02	.00003	.00528	.077	.00026	.00028
%RSD	.00923	18.636	689.25	.1549	.85163	296.17	.74364	14.195	.36736
#1	23.827	.00312	.00084	15.22	-.00391	.00195	10.360	-.00163	.07697
#2	23.830	.00406	-.00055	15.19	-.00395	-.00552	10.252	-.00199	.07657
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	**.00109**	**.00036**	**.00009**	**-.00006**
Stddev	.00003	.00082	.00005	.00043
%RSD	2.4891	229.31	59.272	743.79
#1	.00111	-.00022	.00005	.00025
#2	.00107	.00094	.00013	-.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	**1899.4**	**2786.0**	**24841.**	**4720.3**
Stddev	2.3	2.1	216.	3.3
%RSD	.11877	.07674	.86931	.06960
#1	1897.8	2784.5	24994.	4722.6
#2	1901.0	2787.5	24688.	4718.0

Sample Name: 480-18248-A-14-A Acquired: 4/10/2012 20:49:17 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	**-.00151**	**.03568**	**.00086**	**.01887**	**.19807**	**-.00001**	**70.816**	**.00034**	**-.00026**
Stddev	.00009	.07975	.00048	.00023	.00021	.00007	.854	.00010	.00010
%RSD	5.9899	223.49	56.496	1.2333	.10804	1297.0	1.2059	30.592	37.437
#1	-.00157	.09207	.00120	.01870	.19792	.00004	70.212	.00026	-.00019
#2	-.00145	-.02071	.00051	.01903	.19822	-.00005	71.420	.00041	-.00033
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	**.00229**	**.00283**	**.01736**	**2.2537**	**2.3181**	**.00174**	**45.041**	**.00031**	**.00035**
Stddev	.00070	.00112	.00274	.0417	.0266	.00024	.055	.00002	.00025
%RSD	30.572	39.635	15.795	1.8522	1.1466	13.871	.12165	7.9722	72.746
#1	.00278	.00362	.01930	2.2242	2.2993	.00157	45.080	.00029	.00053
#2	.00179	.00204	.01543	2.2832	2.3369	.00191	45.002	.00033	.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	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	**7.1893**	**.00263**	**.00202**	**5.490**	**-.00113**	**.00027**	**7.2367**	**-.00087**	**.06019**
Stddev	.0688	.00017	.00169	.024	.00254	.00490	.1399	.00046	.00032
%RSD	.95675	6.2836	83.546	.4316	225.36	1823.2	1.9331	52.481	.53424
#1	7.1407	.00275	.00321	5.507	.00067	-.00320	7.1377	-.00055	.05996
#2	7.2380	.00251	.00083	5.473	-.00292	.00373	7.3356	-.00119	.06042
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	**.00023**	**.00109**	**.00013**	**-.00116**
Stddev	.00003	.00058	.00056	.00110
%RSD	11.893	52.944	419.10	95.143
#1	.00021	.00150	-.00026	-.00038
#2	.00025	.00068	.00053	-.00194
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	**1948.2**	**2837.2**	**25116.**	**4729.7**
Stddev	.5	7.9	.	67.5
%RSD	.02429	.27766	.00056	1.4266
#1	1948.6	2842.7	25116.	4777.4
#2	1947.9	2831.6	25116.	4682.0

Sample Name: 480-18248-A-15-A Acquired: 4/10/2012 20:51:36 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	**-.00030**	**.00502**	**.00431**	**.06597**	**.15590**	**-.00015**	**98.095**	**.00042**	**-.00011**
Stddev	.00012	.02677	.00005	.00007	.00033	.00011	.087	.00006	.00002
%RSD	38.582	533.05	1.1540	.11207	.21351	73.977	.08849	15.245	20.163
#1	-.00038	.02395	.00427	.06592	.15614	-.00023	98.156	.00037	-.00013
#2	-.00022	-.01391	.00434	.06602	.15567	-.00007	98.033	.00047	-.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	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	**.00239**	**.00280**	**.01232**	**.78045**	**.87347**	**.00119**	**63.782**	**.00025**	**.00012**
Stddev	.00008	.00029	.00750	.00117	.01308	.00060	.381	.00026	.00018
%RSD	3.4084	10.265	60.907	.15028	1.4974	49.989	.59694	103.06	151.35
#1	.00245	.00260	.01762	.77962	.88272	.00161	64.051	.00044	-.00001
#2	.00234	.00301	.00701	.78128	.86422	.00077	63.513	.00007	.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	**21.034**	**.00299**	**.00113**	**14.23**	**-.00179**	**.00103**	**9.1029**	**-.00139**	**.06984**
Stddev	.027	.00025	.00192	.07	.00171	.00107	.0117	.00099	.00024
%RSD	.12939	8.2057	169.28	.4690	95.519	103.81	.12887	70.827	.33945
#1	21.053	.00281	.00249	14.28	-.00301	.00027	9.0946	-.00069	.07001
#2	21.014	.00316	-.00022	14.19	-.00058	.00179	9.1112	-.00209	.06967
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	**-.00003**	**.00155**	**.00033**	**.00087**
Stddev	.00004	.00072	.00051	.00053
%RSD	113.52	46.445	155.90	60.576
#1	-.00006	.00104	-.00003	.00050
#2	-.00001	.00206	.00069	.00125
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	**1886.5**	**2763.9**	**24561.**	**4684.4**
Stddev	.8	2.0	85.	.9
%RSD	.04464	.07231	.34632	.01851
#1	1885.9	2765.3	24501.	4683.8
#2	1887.1	2762.5	24621.	4685.0

Sample Name: CCV Acquired: 4/10/2012 20:53:57 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	.46631	23.578	.50247	.50442	.47613	.47873	22.924	.51497	.47672	.47926	.49085	24.015	24.287
Stddev	.00223	.074	.00064	.00241	.00118	.00033	.058	.00196	.00053	.00290	.00197	.094	.061
%RSD	.47794	.31366	.12653	.47830	.24830	.06902	.25471	.38141	.11208	.60599	.40233	.39109	.25257
#1	.46789	23.630	.50202	.50613	.47696	.47849	22.965	.51635	.47709	.48132	.49225	24.082	24.243
#2	.46474	23.526	.50292	.50272	.47529	.47896	22.883	.51358	.47634	.47721	.48945	23.949	24.330
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	23.989	.48272	25.003	.50504	.51549	24.049	.48099	.48343	25.53	.50997	.50572	22.784	.49169
Stddev	.379	.00008	.069	.00076	.00320	.004	.00113	.00189	.07	.00138	.01237	.022	.00094
%RSD	1.5788	.01684	.27429	.14963	.62034	.01674	.23577	.39149	.2754	.27107	2.4462	.09808	.19121
#1	24.257	.48266	25.052	.50558	.51775	24.046	.48180	.48477	25.58	.51095	.49697	22.800	.49102
#2	23.721	.48277	24.955	.50451	.51323	24.052	.48019	.48210	25.48	.50900	.51447	22.769	.49235
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	.48923	.48892	.50359	.47793	.46956
Stddev	.00093	.00250	.00170	.00092	.00339
%RSD	.18943	.51168	.33705	.19299	.72239
#1	.48989	.48715	.50479	.47858	.47195
#2	.48858	.49069	.50239	.47727	.46716
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	1943.1	2873.6	25057.	4691.9
Stddev	2.3	5.4	35.	8.4
%RSD	.11802	.18857	.13785	.17873
#1	1941.5	2869.8	25033.	4697.8
#2	1944.7	2877.4	25081.	4685.9

Sample Name: CCB Acquired: 4/10/2012 20:56:14 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	**-.00051**	**-.00736**	**.00139**	**-.00040**	**.00004**	**-.00006**	**.00731**	**.00014**	**-.00031**	**.00047**	**.00125**	**.00335**	**.02529**
Stddev	.00074	.00730	.00230	.00034	.00000	.00030	.00061	.00008	.00009	.00082	.00058	.00936	.01134
%RSD	145.96	99.147	165.29	84.554	9.3930	483.30	8.2983	56.372	28.914	173.55	46.447	279.08	44.852
#1	.00002	-.00220	.00302	-.00063	.00004	.00015	.00688	.00008	-.00025	-.00011	.00084	-.00326	.01727
#2	-.00103	-.01252	-.00024	-.00016	.00004	-.00027	.00774	.00019	-.00038	.00106	.00165	.00997	.03331
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	**.00233**	**-.00138**	**-.00541**	**-.00007**	**.00018**	**.02307**	**.00079**	**-.00001**	**-.0022**	**-.00451**	**-.00136**	**.04179**	**-.00011**
Stddev	.00016	.00079	.00256	.00009	.00004	.00430	.00060	.00026	.0039	.00021	.00244	.00561	.00007
%RSD	6.7485	57.397	47.208	126.06	23.318	18.654	76.504	2526.2	177.1	4.6521	179.77	13.417	66.158
#1	.00244	-.00082	-.00722	-.00001	.00021	.02002	.00121	.00018	-.0049	-.00466	-.00308	.03782	-.00016
#2	.00222	-.00195	-.00361	-.00013	.00015	.02611	.00036	-.00020	.0006	-.00436	.00037	.04575	-.00006
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**	**.00063**	**-.00170**	**-.00019**	**-.00115**
Stddev	.00004	.00014	.00095	.00081	.00037
%RSD	69.182	22.845	56.136	432.70	31.646
#1	.00008	.00053	-.00238	.00038	-.00090
#2	.00003	.00073	-.00103	-.00076	-.00141
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	**2114.5**	**2932.5**	**26089.**	**4716.9**
Stddev	1.0	7.3	191.	8.4
%RSD	.04941	.24980	.73147	.17808
#1	2113.7	2927.3	25954.	4722.8
#2	2115.2	2937.7	26224.	4710.9

Sample Name: 480-18248-A-16-A Acquired: 4/10/2012 20:58:38 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	**.00048**	**.00959**	**.00218**	**.05692**	**.13257**	**-.00011**	**101.92**	**.00043**	**-.00019**
Stddev	.00022	.00416	.00181	.00074	.00036	.00013	.87	.00026	.00015
%RSD	45.933	43.419	83.098	1.3047	.27060	119.73	.85334	60.216	78.989
#1	.00064	.01253	.00090	.05639	.13282	-.00002	101.30	.00062	-.00008
#2	.00033	.00665	.00346	.05744	.13232	-.00020	102.53	.00025	-.00029
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	**.00228**	**.00286**	**.01163**	**.69597**	**.75107**	**.00245**	**46.391**	**.00145**	**.00001**
Stddev	.00179	.00014	.00267	.01928	.00722	.00123	.055	.00006	.00021
%RSD	78.545	4.7393	22.930	2.7696	.96145	50.319	.11763	4.2424	2175.2
#1	.00101	.00277	.00975	.70960	.74597	.00158	46.430	.00141	-.00014
#2	.00355	.00296	.01352	.68234	.75618	.00333	46.353	.00149	.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	**24.490**	**.00242**	**.00188**	**9.459**	**-.00169**	**-.00266**	**10.034**	**-.00162**	**.06413**
Stddev	.054	.00072	.00167	.078	.00047	.00660	.001	.00012	.00025
%RSD	.22118	29.714	88.809	.8219	27.959	248.42	.00961	7.3752	.39654
#1	24.451	.00293	.00070	9.514	-.00202	-.00732	10.034	-.00171	.06431
#2	24.528	.00191	.00307	9.404	-.00136	.00201	10.035	-.00154	.06395
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	**.00096**	**-.00206**	**.00047**	**-.00004**
Stddev	.00033	.00148	.00003	.00050
%RSD	34.201	71.740	7.0284	1153.8
#1	.00119	-.00102	.00049	-.00040
#2	.00072	-.00311	.00045	.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	**1921.8**	**2836.1**	**24906.**	**4793.1**
Stddev	2.1	7.6	20.	42.1
%RSD	.10841	.26924	.08143	.87744
#1	1920.3	2830.7	24891.	4822.8
#2	1923.3	2841.5	24920.	4763.3

Sample Name: 480-18248-A-17-A Acquired: 4/10/2012 21:00:58 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	**-.00099**	**.00210**	**.00593**	**.04169**	**.12491**	**-.00003**	**99.833**	**.00055**	**-.00003**
Stddev	.00003	.04426	.00181	.00073	.00042	.00007	.206	.00003	.00037
%RSD	3.4976	2102.7	30.503	1.7557	.33981	215.03	.20682	6.2856	1332.8
#1	-.00102	-.02919	.00465	.04117	.12521	.00002	99.687	.00057	-.00029
#2	-.00097	.03340	.00721	.04220	.12461	-.00008	99.979	.00052	.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	**.00260**	**.00851**	**.02313**	**.76604**	**.91073**	**.00186**	**80.136**	**.00050**	**.00011**
Stddev	.00009	.00003	.00771	.01025	.01041	.00041	.302	.00008	.00016
%RSD	3.3525	.36423	33.328	1.3382	1.1426	21.775	.37734	16.875	148.86
#1	.00253	.00853	.01768	.77329	.91809	.00215	80.350	.00044	.00022
#2	.00266	.00848	.02858	.75879	.90337	.00158	79.922	.00056	-.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	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	**38.192**	**.00286**	**.00095**	**15.94**	**-.00306**	**-.00489**	**10.506**	**-.00132**	**.08560**
Stddev	.027	.00018	.00052	.05	.00053	.00296	.044	.00033	.00044
%RSD	.07072	6.1622	54.651	.3375	17.330	60.576	.42328	24.921	.51160
#1	38.173	.00273	.00059	15.98	-.00344	-.00698	10.537	-.00108	.08591
#2	38.211	.00298	.00132	15.90	-.00269	-.00279	10.474	-.00155	.08529
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**	**.00286**	**.00133**	**.00260**
Stddev	.00025	.00433	.00081	.00098
%RSD	25.904	151.63	60.702	37.726
#1	.00078	.00592	.00076	.00191
#2	.00112	-.00021	.00190	.00329
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	**1891.6**	**2796.3**	**24798.**	**4823.0**
Stddev	.6	1.9	89.	.6
%RSD	.03100	.06747	.35722	.01254
#1	1891.2	2797.6	24736.	4822.6
#2	1892.0	2795.0	24861.	4823.5

Sample Name: 480-18248-A-18-A Acquired: 4/10/2012 21:03:16 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	**-.00130**	**.00496**	**.00683**	**.02465**	**.19914**	**.00000**	**111.43**	**.00038**	**.00012**
Stddev	.00048	.00032	.00242	.00017	.00024	.00019	.38	.00011	.00004
%RSD	36.573	6.3669	35.449	.68218	.11951	8919.6	.33741	28.228	37.541
#1	-.00164	.00474	.00854	.02453	.19931	.00014	111.70	.00046	.00015
#2	-.00097	.00518	.00512	.02477	.19897	-.00013	111.16	.00031	.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	**.00118**	**.00389**	**.02364**	**.69344**	**.75576**	**.00205**	**65.406**	**.00085**	**.00021**
Stddev	.00078	.00031	.00251	.01118	.00327	.00064	.072	.00008	.00002
%RSD	65.833	8.0536	10.602	1.6130	.43301	31.007	.11076	9.3976	10.685
#1	.00173	.00411	.02187	.70135	.75807	.00160	65.457	.00080	.00023
#2	.00063	.00367	.02542	.68554	.75344	.00250	65.355	.00091	.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	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	**30.062**	**.00419**	**.00236**	**18.22**	**-.00321**	**-.00783**	**12.685**	**-.00212**	**.08868**
Stddev	.198	.00062	.00030	.14	.00041	.00241	.040	.00113	.00010
%RSD	.65740	14.677	12.529	.7592	12.735	30.830	.31515	53.450	.10819
#1	30.202	.00463	.00257	18.32	-.00350	-.00612	12.713	-.00293	.08861
#2	29.922	.00376	.00215	18.12	-.00292	-.00953	12.656	-.00132	.08875
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**	**.00132**	**.00023**	**.00017**
Stddev	.00010	.00151	.00066	.00033
%RSD	15.897	114.42	288.45	194.35
#1	.00070	.00239	-.00024	-.00006
#2	.00056	.00025	.00070	.00041
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**	**2805.3**	**24952.**	**4841.9**
Stddev	3.3	5.0	88.	40.4
%RSD	.17464	.17692	.35122	.83433
#1	1898.6	2801.8	24890.	4813.3
#2	1903.2	2808.8	25014.	4870.4

Sample Name: 480-18282-B-1-A Acquired: 4/10/2012 21:05:34 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	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	**-.00124**	**-.04666**	**.00060**	**.98199**	**.60770**	**.00003**	**11.242**	**.00014**	**-.00010**
Stddev	.00182	.01337	.00004	.00633	.00393	.00021	.030	.00018	.00008
%RSD	147.09	28.661	6.1317	.64447	.64677	675.69	.26583	122.30	81.521
#1	-.00253	-.05612	.00063	.98646	.61048	.00018	11.263	.00002	-.00016
#2	.00005	-.03721	.00057	.97751	.60492	-.00012	11.221	.00027	-.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	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**	**.00254**	**.09500**	**1.1317**	**1.1612**	**.00355**	**5.5715**	**.01951**	**.06784**
Stddev	.00024	.00043	.01011	.0277	.0066	.00155	.0396	.00008	.00065
%RSD	37.992	16.948	10.644	2.4477	.56743	43.610	.71139	.41585	.96216
#1	.00081	.00223	.08785	1.1121	1.1565	.00465	5.5435	.01946	.06831
#2	.00047	.00284	.10215	1.1513	1.1658	.00246	5.5996	.01957	.06738
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	**48.561**	**50.735**	**.00128**	**.00136**	**.0592**	**-.00199**	**-.00524**	**5.1595**	**-.00107**
Stddev	.128	.094	.00025	.00216	.0004	.00179	.00048	.0274	.00030
%RSD	.26451	.18486	19.794	158.09	.7470	90.064	9.1453	.53025	27.966
#1	48.652	50.669	.00110	-.00016	.0589	-.00325	-.00490	5.1402	-.00129
#2	48.471	50.801	.00145	.00289	.0595	-.00072	-.00558	5.1788	-.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	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	**2.5069**	**-.00004**	**-.00044**	**-.00020**	**-.00150**
Stddev	.0090	.00066	.00374	.00015	.00004
%RSD	.35913	1730.5	852.04	75.846	2.4502
#1	2.5133	-.00050	.00221	-.00030	-.00147
#2	2.5005	.00043	-.00309	-.00009	-.00153
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	**2013.5**	**2891.6**	**25713.**	**4871.4**
Stddev	5.1	1.0	93.	28.5
%RSD	.25351	.03310	.36059	.58573
#1	2009.8	2890.9	25648.	4891.5
#2	2017.1	2892.2	25779.	4851.2

Sample Name: 480-18282-C-2-A Acquired: 4/10/2012 21:07:58 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	**-.00051**	**-.03030**	**.00293**	**1.3983**	**.35641**	**-.00004**	**14.618**	**.00014**	**.00002**
Stddev	.00046	.01721	.00071	.0017	.00003	.00010	.011	.00023	.00008
%RSD	89.954	56.784	24.352	.12293	.00732	217.68	.07647	168.25	408.50
#1	-.00083	-.01813	.00343	1.3995	.35643	.00002	14.610	-.00003	.00008
#2	-.00018	-.04247	.00242	1.3971	.35639	-.00011	14.626	.00031	-.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	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	**.00031**	**.00284**	**.18667**	**1.0723**	**1.1418**	**.00591**	**5.9357**	**.00942**	**.09130**
Stddev	.00000	.00015	.00635	.0147	.0024	.00114	.0403	.00002	.00039
%RSD	1.3466	5.4129	3.3993	1.3691	.20774	19.194	.67985	.22837	.42571
#1	.00031	.00273	.19115	1.0619	1.1401	.00511	5.9642	.00940	.09157
#2	.00030	.00294	.18218	1.0827	1.1435	.00672	5.9071	.00943	.09102
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	**53.759**	**.00057**	**.00056**	**.0903**	**-.00171**	**-.00650**	**6.5828**	**-.00153**	**2.2200**
Stddev	.372	.00032	.00080	.0059	.00220	.00393	.0514	.00012	.0126
%RSD	.69214	56.851	143.15	6.580	128.24	60.472	.78027	7.8882	.56705
#1	53.495	.00034	-.00001	.0861	-.00326	-.00372	6.6192	-.00161	2.2111
#2	54.022	.00080	.00112	.0945	-.00016	-.00928	6.5465	-.00144	2.2289
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	**-.00014**	**.00046**	**-.00051**	**-.00156**
Stddev	.00020	.00059	.00011	.00022
%RSD	138.63	129.42	22.104	13.913
#1	-.00029	.00004	-.00059	-.00140
#2	.00000	.00087	-.00043	-.00171
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	**2007.4**	**2889.8**	**25671.**	**4855.3**
Stddev	1.6	9.8	44.	8.7
%RSD	.07946	.34080	.17330	.17956
#1	2008.5	2896.8	25639.	4849.2
#2	2006.3	2882.8	25702.	4861.5

Sample Name: MB 480-58757/3-B Acquired: 4/10/2012 21:10:15 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	**.00048**	**.00120**	**.00184**	**.00759**	**.00007**	**-.00008**	**.05334**	**.00024**	**-.00024**
Stddev	.00077	.01683	.00162	.00020	.00002	.00002	.00745	.00003	.00004
%RSD	159.58	1404.9	87.978	2.6713	30.044	21.244	13.966	12.389	17.359
#1	-.00006	.01310	.00070	.00773	.00006	-.00007	.05861	.00026	-.00027
#2	.00102	-.01070	.00299	.00744	.00009	-.00009	.04807	.00022	-.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	**.00027**	**.00253**	**.01804**	**-.01062**	**.00468**	**-.00070**	**-.00104**	**.00082**	**.00005**
Stddev	.00073	.00034	.00797	.01348	.00039	.00211	.00180	.00003	.00015
%RSD	272.57	13.474	44.166	126.96	8.3650	301.74	174.05	4.0084	291.47
#1	.00078	.00277	.02367	-.00109	.00440	-.00219	-.00231	.00085	.00016
#2	-.00025	.00229	.01240	-.02016	.00496	.00079	.00024	.00080	-.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	**.03342**	**.00121**	**.00106**	**.0029**	**-.00234**	**-.00247**	**.04362**	**-.00150**	**.00045**
Stddev	.00419	.00053	.00067	.0003	.00232	.00399	.04004	.00008	.00014
%RSD	12.541	43.658	63.351	9.894	99.414	161.52	91.795	5.0559	31.956
#1	.03046	.00159	.00154	.0031	-.00398	.00035	.01531	-.00155	.00035
#2	.03639	.00084	.00059	.0027	-.00069	-.00530	.07193	-.00144	.00055
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	**-.00001**	**.00058**	**-.00047**	**-.00041**
Stddev	.00097	.00069	.00001	.00073
%RSD	8040.1	118.25	1.4582	181.36
#1	-.00070	.00107	-.00047	-.00092
#2	.00067	.00010	-.00048	.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	**2114.9**	**2919.4**	**26541.**	**4832.1**
Stddev	5.0	.1	70.	12.3
%RSD	.23609	.00294	.26402	.25548
#1	2111.4	2919.5	26591.	4823.4
#2	2118.5	2919.4	26492.	4840.8

Sample Name: LCS 480-58757/4-B Acquired: 4/10/2012 21:12:51 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	Ba4554-2	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	**.04477**	**9.1154**	**.20968**	**.22042**	**.18573**	**.19791**	**8.9980**	**.21153**	**.19265**
Stddev	.00020	.0382	.00234	.00045	.00133	.00022	.0081	.00128	.00165
%RSD	.44585	.41939	1.1142	.20629	.71725	.11286	.08989	.60731	.85443
#1	.04463	9.0883	.21134	.22075	.18667	.19807	8.9923	.21244	.19381
#2	.04492	9.1424	.20803	.22010	.18479	.19775	9.0037	.21062	.19148
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	**.19659**	**.19362**	**9.4516**	**9.5995**	**8.7423**	**.18317**	**10.301**	**.20739**	**.21522**
Stddev	.00008	.00131	.0197	.0040	.0813	.00104	.010	.00106	.00211
%RSD	.03870	.67638	.20869	.04127	.92945	.56643	.10179	.50982	.98031
#1	.19664	.19455	9.4376	9.6024	8.7997	.18244	10.293	.20814	.21671
#2	.19653	.19270	9.4655	9.5967	8.6848	.18391	10.308	.20664	.21373
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	**9.4665**	**.19169**	**.19771**	F **.0237**	**.20040**	**.20368**	**9.0510**	**.18139**	**.20212**
Stddev	.0085	.00099	.00160	.0013	.00733	.00261	.0120	.00060	.00113
%RSD	.08960	.51855	.81083	5.525	3.6555	1.2793	.13211	.33176	.55741
#1	9.4725	.19239	.19884	.0228	.20558	.20552	9.0595	.18182	.20132
#2	9.4605	.19099	.19658	.0247	.19522	.20184	9.0425	.18097	.20291
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	**.18596**	**.21038**	**.18914**	**.20627**
Stddev	.00152	.00392	.00112	.00070
%RSD	.81987	1.8655	.59222	.34096
#1	.18704	.21315	.18993	.20676
#2	.18488	.20760	.18834	.20577
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	**2036.0**	**2895.0**	**26147.**	**4789.7**
Stddev	2.6	1.7	165.	12.3
%RSD	.12743	.06016	.63212	.25767
#1	2037.9	2896.2	26030.	4798.4
#2	2034.2	2893.8	26264.	4781.0

Sample Name: 480-18253-B-2-A Acquired: 4/10/2012 21:15:38 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	**-.00007**	**-.01589**	**.00201**	**.02770**	**.02238**	**.00002**	**54.474**	**.00045**	**-.00021**
Stddev	.00006	.06435	.00169	.00086	.00001	.00015	.117	.00013	.00005
%RSD	80.156	404.87	84.023	3.1154	.05932	932.54	.21447	28.938	25.650
#1	-.00011	.02961	.00081	.02831	.02239	.00013	54.391	.00054	-.00017
#2	-.00003	-.06140	.00320	.02709	.02237	-.00009	54.557	.00035	-.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	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	**.00076**	**.00242**	**1.2759**	**1.0324**	**1.0271**	**.00463**	**23.111**	**.01119**	**.00107**
Stddev	.00051	.00069	.0042	.0101	.0048	.00009	.081	.00016	.00040
%RSD	67.293	28.731	.33104	.98303	.46693	2.0128	.34875	1.4421	37.145
#1	.00040	.00291	1.2789	1.0252	1.0305	.00456	23.054	.01108	.00135
#2	.00113	.00193	1.2729	1.0396	1.0237	.00470	23.168	.01130	.00079
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	**6.4411**	**.00081**	**.00064**	**3.293**	**-.00247**	**-.00900**	**6.7243**	**-.00177**	**.26689**
Stddev	.0017	.00009	.00025	.004	.00018	.00393	.0212	.00033	.00062
%RSD	.02560	11.558	39.445	.1162	7.0980	43.632	.31497	18.358	.23072
#1	6.4399	.00088	.00082	3.296	-.00235	-.01177	6.7393	-.00201	.26646
#2	6.4423	.00074	.00046	3.290	-.00260	-.00622	6.7094	-.00154	.26733
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**	**-.00027**	**.00033**	**-.00021**
Stddev	.00070	.00158	.00001	.00078
%RSD	150.47	596.49	2.1179	370.14
#1	-.00003	-.00138	.00033	-.00076
#2	.00097	.00085	.00032	.00034
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	**1986.9**	**2839.4**	**25475.**	**4767.2**
Stddev	2.9	1.7	46.	16.0
%RSD	.14346	.06027	.17973	.33584
#1	1984.9	2840.6	25508.	4778.5
#2	1988.9	2838.1	25443.	4755.8

Sample Name: 480-18253-B-3-A Acquired: 4/10/2012 21:18:16 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	**-.00025**	**-.00289**	**.00601**	**.01621**	**.02717**	**.00004**	**70.372**	**.00030**	**.00277**
Stddev	.00062	.03883	.00093	.00015	.00002	.00015	.119	.00026	.00015
%RSD	252.24	1342.9	15.477	.93968	.06248	372.12	.16921	87.307	5.2635
#1	.00019	.02457	.00667	.01631	.02716	.00015	70.456	.00011	.00287
#2	-.00069	-.03035	.00535	.01610	.02718	-.00007	70.287	.00048	.00267
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	**.00165**	**.00246**	**.33683**	**.89273**	**.90392**	**.00520**	**25.446**	**.03330**	**.00109**
Stddev	.00005	.00002	.00747	.00717	.01301	.00005	.030	.00005	.00015
%RSD	2.9363	.86588	2.2183	.80334	1.4388	1.0367	.11605	.15906	14.197
#1	.00162	.00244	.33155	.88765	.91312	.00516	25.425	.03326	.00120
#2	.00169	.00247	.34211	.89780	.89473	.00524	25.466	.03334	.00098
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	**4.5510**	**.00135**	**.00299**	**6.695**	**-.00492**	**-.00374**	**7.6595**	**-.00168**	**.09479**
Stddev	.0022	.00052	.00031	.024	.00061	.00537	.0081	.00028	.00025
%RSD	.04739	38.465	10.260	.3601	12.322	143.47	.10643	16.871	.26233
#1	4.5495	.00172	.00277	6.712	-.00450	-.00754	7.6652	-.00188	.09497
#2	4.5526	.00098	.00321	6.678	-.00535	.00005	7.6537	-.00148	.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	**.00051**	**-.00020**	**-.00008**	**.00024**
Stddev	.00053	.00002	.00052	.00061
%RSD	102.89	11.308	647.94	257.74
#1	.00014	-.00019	-.00045	-.00020
#2	.00089	-.00022	.00029	.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	**1972.1**	**2829.6**	**25532.**	**4771.4**
Stddev	3.2	4.4	112.	16.8
%RSD	.16405	.15405	.43859	.35312
#1	1974.4	2832.7	25611.	4759.4
#2	1969.8	2826.5	25452.	4783.3

Sample Name: 480-18253-B-4-A Acquired: 4/10/2012 21:20:45 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	**-.00065**	**.01312**	**.00201**	**.01605**	**.03281**	**-.00013**	**73.697**	**.00033**	**-.00014**
Stddev	.00020	.00776	.00099	.00019	.00006	.00004	.304	.00003	.00004
%RSD	30.957	59.166	49.071	1.1543	.17207	28.962	.41305	9.1117	31.139
#1	-.00051	.01861	.00131	.01618	.03277	-.00015	73.481	.00031	-.00011
#2	-.00079	.00763	.00271	.01592	.03285	-.00010	73.912	.00035	-.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	**.00135**	**.00263**	**.01290**	**.87072**	**.89563**	**.00476**	**26.550**	**.01021**	**.00033**
Stddev	.00011	.00067	.00081	.00141	.01126	.00069	.087	.00005	.00049
%RSD	8.4648	25.648	6.2760	.16147	1.2571	14.415	.32750	.50468	148.42
#1	.00143	.00215	.01233	.86973	.88767	.00427	26.612	.01017	.00068
#2	.00126	.00311	.01348	.87171	.90359	.00524	26.489	.01025	-.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	**4.2100**	**.00143**	**.00021**	**10.42**	**-.00292**	**-.00068**	**8.7625**	**-.00154**	**.11195**
Stddev	.0060	.00036	.00391	.04	.00180	.00392	.0259	.00006	.00027
%RSD	.14199	25.519	1844.5	.3428	61.734	580.50	.29539	3.5657	.23810
#1	4.2057	.00168	-.00255	10.44	-.00420	-.00345	8.7442	-.00158	.11214
#2	4.2142	.00117	.00298	10.39	-.00165	.00210	8.7808	-.00151	.11177
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**	**-.00183**	**.00066**	**-.00023**
Stddev	.00018	.00027	.00049	.00003
%RSD	53.607	14.716	74.007	12.009
#1	.00045	-.00202	.00101	-.00024
#2	.00020	-.00164	.00031	-.00021
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	**1967.5**	**2822.8**	**25413.**	**4730.5**
Stddev	4.7	2.6	19.	30.4
%RSD	.24005	.09095	.07579	.64195
#1	1964.2	2821.0	25399.	4751.9
#2	1970.9	2824.6	25426.	4709.0

Sample Name: CCV Acquired: 4/10/2012 21:23:14 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	.46068	23.462	.51800	.52011	.47501	.47420	22.989	.52541	.48069	.48902	.48084	23.900	24.543
Stddev	.00013	.116	.00313	.00492	.00058	.00001	.006	.00379	.00092	.00211	.00141	.109	.090
%RSD	.02807	.49403	.60330	.94542	.12261	.00270	.02639	.72157	.19161	.43188	.29230	.45549	.36731
#1	.46077	23.380	.52021	.52359	.47460	.47421	22.985	.52809	.48134	.49051	.48183	23.823	24.607
#2	.46059	23.544	.51579	.51664	.47542	.47419	22.993	.52273	.48004	.48752	.47984	23.977	24.479
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	24.071	.47570	25.436	.50873	.52747	24.274	.48524	.48943	25.37	.51077	.51344	22.780	.48579
Stddev	.227	.00104	.175	.00246	.00252	.046	.00009	.00066	.10	.00080	.00504	.109	.00105
%RSD	.94423	.21828	.68758	.48306	.47697	.18761	.01916	.13498	.3944	.15591	.98119	.47772	.21661
#1	24.232	.47497	25.312	.50700	.52925	24.306	.48530	.48990	25.44	.51133	.51700	22.703	.48654
#2	23.910	.47644	25.559	.51047	.52569	24.242	.48517	.48897	25.30	.51021	.50988	22.857	.48505
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	.50369	.47406	.51730	.48072	.48231
Stddev	.00173	.00117	.00225	.00118	.00289
%RSD	.34288	.24586	.43471	.24451	.59925
#1	.50491	.47324	.51889	.48156	.48027
#2	.50247	.47489	.51571	.47989	.48435
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	1947.4	2859.7	25316.	4706.2
Stddev	3.2	10.0	126.	.8
%RSD	.16635	.34897	.49851	.01744
#1	1945.1	2852.6	25406.	4705.6
#2	1949.7	2866.8	25227.	4706.8

Sample Name: CCB Acquired: 4/10/2012 21:25:35 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	**-.00006**	**-.00300**	**-.00009**	**.00031**	**.00004**	**-.00013**	**-.00271**	**.00023**	**-.00032**	**-.00012**	**.00201**	**.00585**	**-.01901**
Stddev	.00055	.02046	.00095	.00039	.00000	.00034	.00796	.00001	.00006	.00016	.00018	.01190	.03437
%RSD	863.81	682.93	1079.8	122.81	3.9060	257.53	293.94	3.8132	18.793	127.87	9.0535	203.43	180.75
#1	-.00045	.01147	-.00076	.00059	.00004	-.00037	.00292	.00023	-.00036	-.00001	.00188	.01427	-.04331
#2	.00032	-.01746	.00058	.00004	.00004	.00011	-.00834	.00022	-.00028	-.00024	.00214	-.00256	.00529
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	**.00252**	**-.00049**	**-.00657**	**.00005**	**.00004**	**.01884**	**.00128**	**.00214**	**-.0002**	**-.00044**	**-.00138**	**.04885**	**-.00093**
Stddev	.00006	.00022	.00615	.00000	.00014	.01664	.00009	.00045	.0031	.00131	.00426	.02364	.00016
%RSD	2.2238	45.249	93.560	2.2211	347.63	88.331	7.3098	21.037	1791.	299.95	309.06	48.395	17.519
#1	.00256	-.00033	-.01092	.00005	.00014	.03061	.00134	.00182	.0020	-.00137	-.00439	.06557	-.00105
#2	.00248	-.00064	-.00222	.00005	-.00006	.00707	.00121	.00245	-.0023	.00049	.00163	.03213	-.00082
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**	**-.00005**	**.00033**	**-.00043**	**-.00078**
Stddev	.00001	.00008	.00017	.00003	.00081
%RSD	95.889	160.92	50.775	8.1120	104.09
#1	.00000	-.00011	.00021	-.00040	-.00135
#2	-.00002	.00001	.00044	-.00045	-.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	**2093.0**	**2883.7**	**26112.**	**4706.2**
Stddev	3.0	6.9	67.	38.7
%RSD	.14099	.23875	.25822	.82242
#1	2090.9	2878.8	26159.	4733.6
#2	2095.1	2888.5	26064.	4678.8

Sample Name: 480-18253-B-5-A Acquired: 4/10/2012 21:28:02 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	**-.00043**	**-.01043**	**.00382**	**.02088**	**.02674**	**-.00012**	**57.817**	**.00036**	**-.00009**
Stddev	.00018	.00880	.00363	.00039	.00008	.00001	.475	.00024	.00011
%RSD	42.560	84.390	94.969	1.8525	.28751	7.1178	.82083	66.570	120.93
#1	-.00030	-.00421	.00638	.02061	.02679	-.00012	57.481	.00019	-.00001
#2	-.00057	-.01665	.00125	.02115	.02669	-.00011	58.153	.00054	-.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	**.00098**	**.00217**	**1.0146**	**1.2956**	**1.2613**	**.00414**	**24.554**	**.02866**	**.00201**
Stddev	.00042	.00009	.0196	.0120	.0053	.00058	.037	.00018	.00003
%RSD	42.750	4.1762	1.9319	.92477	.41819	14.036	.15165	.61505	1.4958
#1	.00127	.00211	1.0007	1.2871	1.2576	.00373	24.528	.02853	.00203
#2	.00068	.00224	1.0284	1.3041	1.2650	.00456	24.580	.02878	.00199
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	**5.1378**	**.00069**	**.00231**	**2.912**	**-.00193**	**-.00576**	**6.8247**	**-.00137**	**.20680**
Stddev	.0203	.00051	.00086	.018	.00041	.00129	.0226	.00081	.00053
%RSD	.39450	73.492	37.030	.6314	21.315	22.390	.33096	58.757	.25503
#1	5.1234	.00105	.00171	2.925	-.00222	-.00667	6.8406	-.00080	.20642
#2	5.1521	.00033	.00292	2.899	-.00164	-.00485	6.8087	-.00194	.20717
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	**.00092**	**.00243**	**.00016**	**-.00046**
Stddev	.00019	.00071	.00089	.00069
%RSD	21.277	29.004	570.10	150.98
#1	.00078	.00193	.00079	-.00095
#2	.00105	.00293	-.00047	.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	**1970.0**	**2822.7**	**25248.**	**4714.3**
Stddev	.5	3.7	108.	45.4
%RSD	.02350	.13182	.42749	.96368
#1	1970.3	2825.4	25325.	4746.4
#2	1969.7	2820.1	25172.	4682.1

Sample Name: 480-18253-B-6-A Acquired: 4/10/2012 21:30:23 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	**-.00051**	**.02011**	**.00264**	**.01718**	**.02425**	**-.00023**	**66.377**	**.00039**	**-.00006**
Stddev	.00031	.01073	.00243	.00040	.00022	.00012	.393	.00008	.00003
%RSD	59.834	53.375	92.062	2.3145	.91835	49.191	.59195	19.272	55.299
#1	-.00073	.01252	.00437	.01747	.02409	-.00032	66.655	.00044	-.00008
#2	-.00029	.02770	.00092	.01690	.02441	-.00015	66.099	.00034	-.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	**.00132**	**.00154**	**.18704**	**1.0684**	**1.0395**	**.00537**	**24.270**	**.04643**	**.00100**
Stddev	.00062	.00038	.01117	.0224	.0093	.00042	.070	.00013	.00012
%RSD	46.921	24.452	5.9704	2.0962	.89545	7.8233	.28725	.27875	11.819
#1	.00088	.00181	.19494	1.0842	1.0461	.00507	24.221	.04634	.00092
#2	.00175	.00127	.17915	1.0526	1.0329	.00567	24.320	.04652	.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	**4.9189**	**.00119**	**.00291**	**5.974**	**-.00180**	**-.00268**	**7.7792**	**-.00107**	**.12004**
Stddev	.0109	.00107	.00121	.038	.00179	.00020	.0694	.00027	.00042
%RSD	.22189	90.370	41.592	.6426	99.448	7.5491	.89195	24.858	.35045
#1	4.9266	.00194	.00376	6.001	-.00053	-.00283	7.8282	-.00089	.12034
#2	4.9112	.00043	.00205	5.947	-.00307	-.00254	7.7301	-.00126	.11975
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	**.00078**	**.00118**	**.00020**	**-.00082**
Stddev	.00090	.00083	.00066	.00077
%RSD	115.09	70.518	324.97	94.152
#1	.00141	.00059	-.00026	-.00027
#2	.00014	.00177	.00067	-.00136
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	**1965.8**	**2820.4**	**25219.**	**4721.4**
Stddev	4.2	2.0	141.	17.5
%RSD	.21287	.06961	.55797	.37049
#1	1968.8	2821.8	25318.	4709.1
#2	1962.8	2819.0	25119.	4733.8

Sample Name: 480-18253-B-7-A Acquired: 4/10/2012 21:32:44 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	**-.00006**	**-.01627**	**.00451**	**.01849**	**.02370**	**-.00002**	**62.512**	**.00014**	**-.00046**
Stddev	.00020	.00584	.00311	.00036	.00025	.00009	.154	.00011	.00002
%RSD	320.80	35.875	68.973	1.9571	1.0730	388.96	.24671	77.083	4.2741
#1	-.00020	-.01214	.00231	.01823	.02388	.00004	62.403	.00021	-.00047
#2	.00008	-.02040	.00671	.01874	.02352	-.00008	62.621	.00006	-.00044
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	**.00137**	**.00225**	**.03222**	**1.0585**	**1.0777**	**.00500**	**24.516**	**.01332**	**.00094**
Stddev	.00010	.00032	.00567	.0161	.0058	.00100	.033	.00028	.00012
%RSD	7.6084	14.276	17.590	1.5170	.54213	20.053	.13634	2.1009	12.363
#1	.00129	.00202	.03623	1.0471	1.0736	.00570	24.540	.01352	.00086
#2	.00144	.00248	.02822	1.0698	1.0818	.00429	24.493	.01313	.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	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	**4.9248**	**.00171**	**.00243**	**5.667**	**-.00208**	**.00183**	**8.0560**	**-.00138**	**.11636**
Stddev	.0184	.00077	.00043	.011	.00106	.00427	.0332	.00038	.00071
%RSD	.37426	45.006	17.500	.1871	50.710	233.90	.41224	27.934	.60967
#1	4.9118	.00225	.00213	5.674	-.00134	.00485	8.0794	-.00165	.11586
#2	4.9379	.00116	.00273	5.659	-.00283	-.00119	8.0325	-.00110	.11686
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	**.00049**	**-.00162**	**.00008**	**-.00108**
Stddev	.00001	.00062	.00039	.00041
%RSD	2.8479	38.206	470.76	37.937
#1	.00048	-.00206	.00036	-.00079
#2	.00050	-.00118	-.00019	-.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	**1974.3**	**2843.5**	**25348.**	**4739.8**
Stddev	2.5	3.1	42.	7.5
%RSD	.12771	.10957	.16497	.15847
#1	1972.5	2845.7	25319.	4734.5
#2	1976.1	2841.3	25378.	4745.1

Sample Name: 480-18281-K-1-A Acquired: 4/10/2012 21:35:03 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	**-.00031**	**-.01441**	**.00302**	**.21019**	**.02384**	**.00007**	**115.85**	**.00035**	**-.00015**
Stddev	.00026	.01341	.00054	.00131	.00013	.00015	.23	.00008	.00013
%RSD	85.428	93.082	17.956	.62429	.56197	212.58	.19669	23.208	86.199
#1	-.00012	-.00493	.00341	.21112	.02375	-.00004	116.02	.00029	-.00024
#2	-.00050	-.02389	.00264	.20927	.02393	.00018	115.69	.00041	-.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	**.00159**	**.00175**	**2.1178**	**3.1990**	**3.7244**	**.03588**	**82.513**	**.01516**	**.01034**
Stddev	.00077	.00023	.0125	.0121	.0580	.00025	.523	.00002	.00021
%RSD	48.205	12.935	.59209	.37728	1.5584	.68907	.63345	.13903	2.0247
#1	.00213	.00159	2.1266	3.1905	3.6834	.03571	82.883	.01514	.01019
#2	.00105	.00191	2.1089	3.2076	3.7655	.03606	82.144	.01517	.01049
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	**23.441**	**.00085**	**.00140**	F **92.30**	**-.00260**	**-.00763**	**10.891**	**-.00150**	**.83228**
Stddev	.067	.00014	.00014	.86	.00013	.00023	.024	.00170	.00566
%RSD	.28481	16.535	10.162	.9301	4.9151	3.0021	.21673	113.54	.67958
#1	23.489	.00095	.00150	92.91	-.00251	-.00779	10.875	-.00271	.83628
#2	23.394	.00075	.00130	91.70	-.00269	-.00747	10.908	-.00030	.82828
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	**.00127**	**.00010**	**.00002**	**-.00136**
Stddev	.00023	.00084	.00028	.00045
%RSD	18.460	815.14	1439.6	33.405
#1	.00110	-.00049	.00021	-.00168
#2	.00143	.00070	-.00018	-.00104
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	**1878.0**	**2762.2**	**24508.**	**4694.6**
Stddev	1.5	2.9	29.	22.5
%RSD	.07728	.10396	.11696	.47899
#1	1877.0	2760.2	24487.	4710.5
#2	1879.0	2764.3	24528.	4678.7

Sample Name: 480-18281-K-2-A Acquired: 4/10/2012 21:37:22 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	Ba4554-2	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	**-.00087**	**.00760**	**.00445**	**.07119**	**.01604**	**.00000**	**69.919**	**.00073**	**-.00030**
Stddev	.00023	.01555	.00143	.00004	.00008	.00005	.235	.00027	.00022
%RSD	26.370	204.61	32.088	.06230	.52890	2677.9	.33637	36.392	73.720
#1	-.00104	-.00340	.00546	.07116	.01598	-.00003	70.085	.00092	-.00046
#2	-.00071	.01860	.00344	.07122	.01610	.00003	69.753	.00054	-.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	**.00227**	**.00299**	**.01554**	**3.3553**	**4.0311**	**.07622**	**209.57**	**.02282**	**.03040**
Stddev	.00030	.00014	.01312	.0005	.0403	.00038	.25	.00007	.00036
%RSD	13.324	4.7480	84.391	.01506	1.0002	.49475	.11783	.29456	1.1941
#1	.00249	.00289	.00627	3.3557	4.0026	.07595	209.74	.02277	.03014
#2	.00206	.00309	.02481	3.3549	4.0596	.07649	209.39	.02287	.03066
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	**23.502**	**.00272**	**.00100**	F **150.8**	**-.00165**	**-.00300**	**6.6033**	**-.00141**	**.29177**
Stddev	.064	.00082	.00073	.4	.00004	.00046	.0063	.00064	.00013
%RSD	.27211	30.039	73.298	.2507	2.5147	15.346	.09609	45.409	.04451
#1	23.547	.00215	.00048	151.1	-.00168	-.00268	6.6078	-.00186	.29186
#2	23.456	.00330	.00152	150.5	-.00162	-.00333	6.5988	-.00096	.29168
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	**.00054**	**.00101**	**.00145**	**.00004**
Stddev	.00003	.00092	.00033	.00133
%RSD	4.9987	90.727	22.671	3402.9
#1	.00053	.00166	.00121	.00098
#2	.00056	.00036	.00168	-.00090
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	**1840.9**	**2740.1**	**24289.**	**4665.0**
Stddev	.3	3.0	35.	25.2
%RSD	.01700	.11052	.14328	.54106
#1	1841.1	2738.0	24264.	4647.1
#2	1840.7	2742.3	24314.	4682.8

Sample Name: 480-18281-K-3-A Acquired: 4/10/2012 21:39:40 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	**.04800**	**9.6065**	**.21304**	**.35557**	**.21535**	**.19957**	**149.05**	**.21563**	**.19710**
Stddev	.00167	.0877	.00010	.00176	.00118	.00136	1.00	.00188	.00135
%RSD	3.4838	.91287	.04772	.49525	.54663	.67915	.66849	.87409	.68680
#1	.04918	9.6685	.21297	.35681	.21452	.20053	149.76	.21696	.19806
#2	.04682	9.5445	.21311	.35432	.21618	.19861	148.35	.21430	.19615
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	**.19439**	**.20396**	**9.5154**	**13.584**	**16.232**	**.25149**	**120.89**	**.22215**	**.26352**
Stddev	.00082	.00019	.0584	.033	.360	.00268	.27	.00082	.00182
%RSD	.42435	.09263	.61335	.24220	2.2198	1.0655	.22600	.36720	.69223
#1	.19380	.20409	9.5567	13.607	15.978	.25339	120.69	.22157	.26481
#2	.19497	.20382	9.4742	13.561	16.487	.24960	121.08	.22273	.26223
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	**60.438**	**.19583**	**.20560**	F **151.0**	**.21243**	**.21432**	**20.943**	**.19539**	**.65009**
Stddev	.136	.00111	.00212	.7	.00324	.00330	.209	.00095	.00393
%RSD	.22486	.56603	1.0288	.4399	1.5230	1.5405	.99569	.48468	.60400
#1	60.534	.19504	.20709	151.5	.21471	.21666	21.090	.19472	.65287
#2	60.342	.19661	.20410	150.5	.21014	.21199	20.795	.19606	.64732
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	**.19603**	**.20284**	**.19300**	**.19363**
Stddev	.00094	.00065	.00163	.00235
%RSD	.47893	.31879	.84698	1.2142
#1	.19537	.20330	.19184	.19197
#2	.19670	.20238	.19415	.19529
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	**1799.8**	**2718.2**	**24057.**	**4650.7**
Stddev	1.4	8.8	153.	6.9
%RSD	.07775	.32342	.63537	.14771
#1	1798.8	2712.0	24165.	4645.9
#2	1800.8	2724.4	23949.	4655.6

Sample Name: 480-18281-K-3-A SD@5 Acquired: 4/10/2012 21:41:59 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	**.00901**	**1.8222**	**.04220**	**.06747**	**.04269**	**.03920**	**29.329**	**.04071**	**.03742**
Stddev	.00161	.0763	.00175	.00137	.00004	.00022	.343	.00032	.00049
%RSD	17.913	4.1866	4.1463	2.0341	.09196	.56541	1.1691	.79008	1.3004
#1	.01015	1.7682	.04096	.06844	.04266	.03935	29.572	.04094	.03777
#2	.00787	1.8761	.04343	.06650	.04272	.03904	29.087	.04048	.03708
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	**.03827**	**.04019**	**1.8773**	**2.5871**	**2.4897**	**.04742**	**23.184**	**.04476**	**.05141**
Stddev	.00003	.00005	.0248	.0005	.0143	.00100	.107	.00002	.00074
%RSD	.07486	.13613	1.3204	.01862	.57387	2.1083	.45937	.03536	1.4351
#1	.03825	.04023	1.8948	2.5867	2.4998	.04813	23.259	.04478	.05193
#2	.03829	.04015	1.8598	2.5874	2.4796	.04671	23.108	.04475	.05088
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	**11.378**	**.03827**	**.04096**	F **28.39**	**.03834**	**.03830**	**4.0357**	**.03679**	**.12751**
Stddev	.087	.00006	.00333	.20	.00164	.00253	.0108	.00129	.00026
%RSD	.76281	.15626	8.1241	.6953	4.2746	6.6101	.26691	3.5132	.20385
#1	11.439	.03831	.04331	28.53	.03718	.04009	4.0433	.03770	.12769
#2	11.316	.03822	.03861	28.26	.03950	.03651	4.0280	.03587	.12732
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	**.03847**	**.04222**	**.03749**	**.03799**
Stddev	.00122	.00164	.00017	.00034
%RSD	3.1820	3.8839	.46118	.90311
#1	.03933	.04338	.03737	.03823
#2	.03760	.04106	.03761	.03774
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	**1989.1**	**2861.8**	**25277.**	**4696.8**
Stddev	.4	1.2	62.	35.3
%RSD	.01955	.04068	.24402	.75145
#1	1988.8	2862.6	25234.	4671.8
#2	1989.4	2861.0	25321.	4721.7

Sample Name: 480-18281-K-3-A PDS Acquired: 4/10/2012 21:44:17 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	**.09314**	**19.047**	**.42300**	**.55491**	**.40008**	**.39236**	**152.15**	**.42158**	**.38788**
Stddev	.00011	.000	.00035	.00421	.00090	.00131	.36	.00268	.00367
%RSD	.12203	.00053	.08248	.75787	.22401	.33340	.23580	.63584	.94591
#1	.09306	19.047	.42275	.55788	.39945	.39329	152.41	.42347	.39047
#2	.09322	19.047	.42324	.55194	.40071	.39144	151.90	.41968	.38529
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	**.37716**	**.40133**	**18.584**	**23.225**	**26.897**	**.44517**	**126.37**	**.41636**	**.46487**
Stddev	.00203	.00251	.085	.058	.377	.00059	.13	.00040	.00250
%RSD	.53701	.62582	.45942	.24781	1.4017	.13189	.10041	.09605	.53881
#1	.37859	.39955	18.644	23.265	27.163	.44558	126.46	.41664	.46664
#2	.37572	.40310	18.524	23.184	26.630	.44475	126.28	.41608	.46310
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	**68.357**	**.38412**	**.40063**	F **145.5**	**.41660**	**.40755**	**29.338**	**.38923**	**.82348**
Stddev	.286	.00341	.00279	.7	.00134	.00759	.068	.00248	.00013
%RSD	.41804	.88874	.69698	.4962	.32169	1.8635	.23288	.63833	.01569
#1	68.559	.38653	.40260	146.0	.41755	.41292	29.386	.39099	.82339
#2	68.155	.38171	.39865	144.9	.41565	.40218	29.289	.38747	.82358
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	**.38669**	**.39618**	**.37518**	**.38168**
Stddev	.00142	.00825	.00164	.00228
%RSD	.36727	2.0829	.43585	.59618
#1	.38769	.40201	.37633	.38329
#2	.38568	.39034	.37402	.38007
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	**1789.8**	**2720.7**	**24130.**	**4690.3**
Stddev	4.7	.3	65.	13.2
%RSD	.26073	.01045	.27005	.28100
#1	1786.5	2720.5	24083.	4699.6
#2	1793.1	2720.9	24176.	4681.0

Sample Name: 480-18281-K-3-B MS Acquired: 4/10/2012 21:46:34 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	**.04657**	**9.3208**	**.21187**	**.34666**	**.20997**	**.19685**	**145.22**	**.21129**	**.19387**
Stddev	.00059	.0542	.00054	.00288	.00101	.00047	.51	.00176	.00151
%RSD	1.2662	.58184	.25326	.83039	.47921	.24025	.34779	.83426	.78084
#1	.04615	9.2825	.21225	.34870	.21069	.19652	144.87	.21254	.19494
#2	.04698	9.3592	.21149	.34463	.20926	.19719	145.58	.21004	.19280
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	**.18911**	**.20056**	**9.3631**	**13.309**	**16.093**	**.24531**	**119.95**	**.22063**	**.25906**
Stddev	.00029	.00181	.0216	.043	.158	.00246	.33	.00072	.00184
%RSD	.15548	.90243	.23077	.32133	.97942	1.0015	.27651	.32535	.71100
#1	.18890	.20184	9.3783	13.279	15.982	.24357	120.19	.22113	.26036
#2	.18932	.19928	9.3478	13.339	16.204	.24704	119.72	.22012	.25775
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	**59.967**	**.19373**	**.20104**	F **150.3**	**.21076**	**.20734**	**19.713**	**.19398**	**.63711**
Stddev	.201	.00145	.00128	.9	.00289	.00078	.098	.00176	.00241
%RSD	.33445	.74828	.63918	.5909	1.3702	.37804	.49713	.90594	.37821
#1	59.826	.19476	.20013	150.9	.20872	.20679	19.644	.19523	.63540
#2	60.109	.19271	.20194	149.7	.21281	.20790	19.783	.19274	.63881
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	**.19418**	**.20075**	**.18609**	**.19170**
Stddev	.00060	.00117	.00026	.00027
%RSD	.30750	.58071	.14058	.13890
#1	.19461	.19992	.18591	.19152
#2	.19376	.20157	.18628	.19189
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	**1801.3**	**2731.2**	**24233.**	**4698.8**
Stddev	2.0	.5	31.	6.2
%RSD	.11056	.01872	.12729	.13272
#1	1799.8	2730.8	24211.	4703.2
#2	1802.7	2731.5	24255.	4694.4

Sample Name: 480-18281-K-3-C MSD Acquired: 4/10/2012 21:48:55 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	**-.00033**	**.01960**	**.00294**	**.14162**	**.02423**	**-.00011**	**139.55**	**.00072**	**-.00031**
Stddev	.00115	.04791	.00316	.00068	.00002	.00005	.29	.00000	.00006
%RSD	347.43	244.49	107.71	.48141	.08958	45.843	.21136	.09547	18.882
#1	-.00114	-.01428	.00070	.14210	.02421	-.00008	139.34	.00071	-.00027
#2	.00048	.05348	.00517	.14114	.02424	-.00015	139.76	.00072	-.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	**.00161**	**.00276**	**.08009**	**3.6575**	**4.4484**	**.05306**	**110.62**	**.02258**	**.05055**
Stddev	.00044	.00001	.01757	.0019	.0206	.00011	.07	.00014	.00024
%RSD	27.143	.51896	21.932	.05156	.46282	.21057	.06172	.60798	.47558
#1	.00130	.00277	.06767	3.6588	4.4338	.05314	110.66	.02268	.05072
#2	.00192	.00275	.09251	3.6561	4.4629	.05298	110.57	.02248	.05038
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	**49.295**	**50.286**	**.00326**	**.00022**	F **152.5**	**-.00393**	**.00002**	**11.450**	**-.00144**
Stddev	.105	.085	.00017	.00074	.8	.00351	.00577	.018	.00015
%RSD	.21278	.16807	5.1409	343.66	.4961	89.379	30005.	.16006	10.518
#1	49.220	50.226	.00314	-.00031	153.0	-.00641	-.00406	11.463	-.00133
#2	49.369	50.346	.00337	.00074	151.9	-.00145	.00410	11.437	-.00155
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	**.45125**	**.00131**	**.00291**	**.00029**	**-.00108**
Stddev	.00225	.00031	.00365	.00025	.00028
%RSD	.49942	23.537	125.32	84.834	25.584
#1	.44965	.00109	.00550	.00012	-.00127
#2	.45284	.00153	.00033	.00046	-.00088
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	**1843.0**	**2759.0**	**24299.**	**4720.9**
Stddev	4.0	4.5	18.	14.6
%RSD	.21755	.16305	.07395	.30937
#1	1840.1	2755.8	24312.	4731.2
#2	1845.8	2762.2	24287.	4710.6

Sample Name: CCV Acquired: 4/10/2012 21:51:16 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
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.45953**	**23.104**	**.51017**	**.50629**	**.46750**	**.47895**	**22.715**	**.51144**	**.47826**	**.48053**	**.48710**	**24.161**
Stddev	.00009	.089	.00164	.00042	.00351	.00194	.102	.00184	.00273	.00036	.00005	.024
%RSD	.01850	.38322	.32225	.08272	.75098	.40600	.44724	.36000	.57153	.07444	.01106	.10135
#1	.45959	23.041	.50901	.50599	.46502	.47757	22.643	.51274	.48019	.48028	.48706	24.143
#2	.45947	23.166	.51133	.50658	.46999	.48032	22.786	.51014	.47633	.48078	.48714	24.178
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	**24.040**	**23.667**	**.47153**	**25.171**	**.51059**	**.51556**	**23.675**	**.48749**	**.49017**	**25.96**	**.51292**	**.52079**
Stddev	.187	.070	.00383	.057	.00035	.00306	.112	.00135	.00543	.11	.00106	.00236
%RSD	.77676	.29562	.81312	.22710	.06895	.59281	.47195	.27665	1.1070	.4266	.20668	.45385
#1	23.908	23.618	.46882	25.131	.51034	.51772	23.596	.48844	.49401	26.04	.51367	.52246
#2	24.172	23.717	.47424	25.212	.51084	.51340	23.754	.48653	.48633	25.89	.51217	.51912
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	Si2881	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F **22.495**	**.50031**	**.48683**	**.49242**	**.50758**	**.47340**	**.47512**
Stddev	.172	.00265	.00348	.00106	.00262	.00094	.00224
%RSD	.76607	.52927	.71450	.21544	.51699	.19855	.47206
#1	22.373	.50218	.48437	.49317	.50943	.47406	.47353
#2	22.617	.49844	.48929	.49167	.50572	.47273	.47670
Check ?	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value	25.000						
Range	-10.000%						

Int. Std.	In2306	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**1962.2**	**2919.2**	**25488.**	**4830.7**
Stddev	2.9	4.7	2.	7.7
%RSD	.14758	.16142	.00849	.16036
#1	1960.1	2915.9	25487.	4836.2
#2	1964.2	2922.5	25490.	4825.2

Sample Name: CCB Acquired: 4/10/2012 21:53:31 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	**-.00056**	**-.02008**	**.00256**	**.00013**	**.00003**	**-.00022**	**.00791**	**.00010**	**-.00014**	**.00036**	**.00128**	**.01492**	**.00491**
Stddev	.00081	.00820	.00280	.00034	.00001	.00012	.00651	.00008	.00009	.00029	.00032	.00306	.03125
%RSD	143.91	40.819	109.24	260.68	42.843	55.131	82.367	77.087	65.698	81.575	24.790	20.478	636.29
#1	-.00114	-.01429	.00058	-.00011	.00004	-.00013	.00330	.00005	-.00007	.00015	.00106	.01708	-.01718
#2	.00001	-.02588	.00454	.00037	.00002	-.00030	.01251	.00016	-.00020	.00056	.00151	.01276	.02701
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	**.00287**	**-.00026**	**.00409**	**.00008**	**.00004**	**.00715**	**.00058**	**.00208**	F **.0088**	**-.00127**	**-.00558**	**.04488**	**.00000**
Stddev	.00026	.00023	.00446	.00002	.00012	.00449	.00058	.00140	.0008	.00020	.00324	.01002	.00024
%RSD	8.8893	90.651	109.10	22.117	283.74	62.774	101.34	67.413	8.994	15.608	58.011	22.328	10059.
#1	.00269	-.00009	.00725	.00009	-.00004	.01032	.00016	.00109	.0093	-.00141	-.00786	.05196	-.00016
#2	.00305	-.00042	.00094	.00007	.00013	.00397	.00099	.00308	.0082	-.00113	-.00329	.03779	.00017
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	**.00003**	**-.00015**	**-.00048**	**-.00038**	**-.00045**
Stddev	.00016	.00058	.00081	.00043	.00048
%RSD	534.11	384.30	169.93	112.86	106.33
#1	.00014	.00026	-.00105	-.00068	-.00011
#2	-.00008	-.00056	.00010	-.00008	-.00079
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	**2115.4**	**2938.5**	**26312.**	**4829.2**
Stddev	2.2	.9	25.	26.4
%RSD	.10274	.03072	.09405	.54758
#1	2113.9	2937.9	26295.	4810.5
#2	2116.9	2939.1	26330.	4847.9

Sample Name: 480-18281-K-4-A Acquired: 4/10/2012 21:55:54 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	**-.00052**	**.03379**	**.00295**	**.17883**	**.01963**	**-.00011**	**154.00**	**.00082**	**-.00002**
Stddev	.00075	.00901	.00046	.00145	.00002	.00014	.64	.00026	.00054
%RSD	145.43	26.652	15.707	.81210	.10276	124.39	.41608	31.804	2733.1
#1	-.00105	.02742	.00262	.17986	.01964	-.00001	153.55	.00101	.00036
#2	.00001	.04015	.00328	.17780	.01962	-.00020	154.46	.00064	-.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	**.00192**	**.00309**	**.02692**	**5.6388**	**6.9480**	**.06998**	**115.07**	**.01711**	**.01724**
Stddev	.00089	.00040	.00512	.0397	.0193	.00055	.05	.00006	.00010
%RSD	46.291	12.927	19.019	.70464	.27788	.78215	.04187	.32919	.59720
#1	.00129	.00337	.03054	5.6669	6.9617	.07037	115.10	.01715	.01716
#2	.00254	.00281	.02330	5.6107	6.9344	.06959	115.03	.01707	.01731
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	**72.924**	**.00549**	**.00110**	F **187.8**	**-.00267**	**-.00220**	**6.3623**	**-.00083**	**.75289**
Stddev	.014	.00132	.00210	.5	.00070	.00182	.0460	.00011	.00501
%RSD	.01921	24.100	190.34	.2492	26.237	82.573	.72337	12.688	.66524
#1	72.934	.00643	-.00038	188.2	-.00217	-.00092	6.3297	-.00090	.74935
#2	72.914	.00456	.00259	187.5	-.00316	-.00349	6.3948	-.00076	.75643
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	**.00111**	**.00000**	**.00089**	**-.00096**
Stddev	.00084	.00134	.00086	.00011
%RSD	75.806	28012.	96.126	11.028
#1	.00051	.00095	.00150	-.00089
#2	.00170	-.00094	.00029	-.00104
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	**1840.7**	**2754.9**	**24500.**	**4784.3**
Stddev	1.8	5.3	36.	24.1
%RSD	.09670	.19107	.14507	.50335
#1	1842.0	2751.2	24475.	4801.4
#2	1839.5	2758.6	24525.	4767.3

Sample Name: 480-18281-K-5-A Acquired: 4/10/2012 21:58:18 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	Ba4554-2	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	**.00012**	**.03278**	**.00762**	**.15923**	**.02006**	**-.00012**	**305.72**	**.00096**	**.01063**
Stddev	.00046	.00292	.00246	.00078	.00007	.00009	.55	.00007	.00011
%RSD	380.88	8.9166	32.328	.48685	.36018	75.682	.17919	7.3297	1.0354
#1	-.00021	.03071	.00588	.15978	.02011	-.00006	305.33	.00101	.01070
#2	.00045	.03484	.00936	.15868	.02001	-.00019	306.11	.00091	.01055
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	**.00216**	**.00402**	**3.1048**	**7.7577**	**12.975**	**.17404**	F **296.93**	**.47273**	**.02897**
Stddev	.00070	.00025	.0034	.0252	.358	.00003	.06	.00089	.00025
%RSD	32.267	6.1833	.11107	.32535	2.7592	.01768	.01984	.18859	.85504
#1	.00265	.00384	3.1072	7.7399	12.722	.17402	296.97	.47210	.02915
#2	.00167	.00420	3.1024	7.7756	13.228	.17406	296.89	.47336	.02880
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	**464.40**	**.01174**	**.00237**	F **689.4**	**-.00266**	**-.00543**	**12.283**	**-.00124**	**.60249**
Stddev	1.27	.00049	.00332	3.1	.00099	.00353	.048	.00005	.00154
%RSD	.27436	4.1667	140.30	.4455	37.027	64.997	.39186	4.3148	.25580
#1	463.50	.01209	.00002	691.6	-.00336	-.00793	12.317	-.00120	.60140
#2	465.30	.01140	.00472	687.3	-.00197	-.00294	12.249	-.00128	.60358
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	**.00153**	**-.00159**	**.00067**	**.00027**
Stddev	.00032	.00087	.00006	.00056
%RSD	20.764	55.043	9.6538	208.78
#1	.00176	-.00097	.00062	.00066
#2	.00131	-.00220	.00071	-.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	**1648.0**	**2587.4**	**23042.**	**4691.2**
Stddev	3.8	4.5	18.	22.6
%RSD	.22948	.17286	.07619	.48260
#1	1650.6	2590.6	23030.	4707.2
#2	1645.3	2584.3	23055.	4675.2

Sample Name: 480-18281-K-6-A Acquired: 4/10/2012 22:00:43 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	**-.00017**	**-.00370**	**.03047**	**.25185**	**.02546**	**-.00007**	**171.10**	**.00044**	**.00024**
Stddev	.00059	.01610	.00117	.00034	.00009	.00001	.01	.00008	.00004
%RSD	351.37	435.36	3.8348	.13405	.33663	20.230	.00686	17.891	15.448
#1	.00025	-.01508	.03130	.25209	.02540	-.00006	171.09	.00038	.00022
#2	-.00058	.00769	.02965	.25161	.02552	-.00008	171.10	.00049	.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	**.00175**	**.00335**	**5.7281**	**3.5390**	**4.2620**	**.06010**	**126.85**	**.05467**	**.01052**
Stddev	.00009	.00023	.0287	.0243	.0305	.00209	.24	.00008	.00000
%RSD	5.3221	6.7125	.50107	.68526	.71603	3.4804	.19066	.14357	.03137
#1	.00181	.00319	5.7484	3.5218	4.2404	.05862	127.02	.05461	.01052
#2	.00168	.00351	5.7078	3.5561	4.2835	.06158	126.68	.05472	.01052
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	**29.246**	**.00286**	**.00104**	F **164.3**	**-.00286**	**-.00653**	**9.7660**	**-.00137**	**.86202**
Stddev	.054	.00043	.00305	.9	.00363	.00057	.0024	.00047	.00047
%RSD	.18332	15.102	294.71	.5531	126.68	8.7365	.02508	34.624	.05415
#1	29.208	.00316	-.00112	164.9	-.00543	-.00612	9.7643	-.00103	.86235
#2	29.284	.00255	.00320	163.6	-.00030	-.00693	9.7677	-.00170	.86169
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	**.00070**	**-.00047**	**.00062**	**-.00031**
Stddev	.00012	.00020	.00096	.00013
%RSD	17.774	42.558	156.64	43.050
#1	.00061	-.00062	-.00007	-.00040
#2	.00079	-.00033	.00130	-.00021
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	**1834.5**	**2720.5**	**24447.**	**4771.3**
Stddev	2.7	3.0	63.	5.3
%RSD	.14770	.10900	.25699	.11199
#1	1832.6	2718.4	24403.	4767.5
#2	1836.5	2722.6	24491.	4775.1

Sample Name: 480-18283-G-1-A Acquired: 4/10/2012 22:02:59 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	**-.00066**	**.01047**	**.00341**	**.12614**	**.01333**	**-.00013**	**187.03**	**.00073**	**.00012**
Stddev	.00056	.00533	.00048	.00019	.00000	.00003	.92	.00010	.00024
%RSD	85.474	50.874	14.107	.14747	.03627	21.390	.48985	14.094	199.39
#1	-.00026	.00670	.00375	.12627	.01332	-.00015	186.38	.00081	.00029
#2	-.00105	.01424	.00307	.12601	.01333	-.00011	187.68	.00066	-.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	**.00196**	**.00400**	**1.6668**	**4.2091**	**5.3609**	**.07224**	**222.70**	**.08953**	**.00412**
Stddev	.00051	.00004	.0222	.0197	.0703	.00187	.60	.00018	.00027
%RSD	25.876	.90635	1.3324	.46729	1.3110	2.5891	.26953	.20613	6.5321
#1	.00160	.00402	1.6511	4.1952	5.3112	.07092	222.28	.08940	.00393
#2	.00232	.00397	1.6825	4.2230	5.4106	.07356	223.13	.08966	.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	**34.640**	**.00822**	**.00278**	F **298.9**	**-.00375**	**-.00547**	**8.7015**	**-.00114**	**.48600**
Stddev	.169	.00001	.00032	.5	.00081	.00107	.0558	.00021	.00064
%RSD	.48880	.16435	11.470	.1721	21.575	19.495	.64110	18.164	.13069
#1	34.520	.00823	.00255	299.3	-.00432	-.00472	8.6620	-.00129	.48555
#2	34.760	.00821	.00301	298.6	-.00318	-.00623	8.7409	-.00099	.48644
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	**.00167**	**.00028**	**.00086**	**-.00106**
Stddev	.00071	.00158	.00038	.00150
%RSD	42.741	569.87	43.932	140.56
#1	.00117	.00139	.00112	-.00001
#2	.00217	-.00084	.00059	-.00212
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	**1795.8**	**2677.2**	**24147.**	**4731.8**
Stddev	1.6	.4	53.	3.7
%RSD	.09154	.01339	.21977	.07786
#1	1797.0	2677.0	24184.	4734.4
#2	1794.7	2677.5	24109.	4729.1

Sample Name: 480-18283-G-2-A Acquired: 4/10/2012 22:05:14 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	**.00037**	**.00405**	**.00944**	**.20702**	**.01966**	**.00001**	**182.29**	**.00067**	**.00071**
Stddev	.00036	.01495	.00086	.00095	.00007	.00016	1.50	.00021	.00005
%RSD	96.343	369.41	9.0666	.46125	.37972	1834.3	.82336	31.772	7.5944
#1	.00062	-.00652	.00884	.20770	.01960	-.00010	181.23	.00083	.00075
#2	.00012	.01462	.01005	.20635	.01971	.00012	183.36	.00052	.00068
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	**.00142**	**.00327**	**1.3048**	**5.1489**	**6.3037**	**.06733**	**155.77**	**.11306**	**.00568**
Stddev	.00024	.00035	.0067	.0435	.0098	.00044	.10	.00016	.00023
%RSD	17.070	10.773	.51305	.84510	.15619	.65352	.06338	.14127	4.0364
#1	.00160	.00302	1.3096	5.1181	6.2967	.06702	155.84	.11295	.00584
#2	.00125	.00351	1.3001	5.1796	6.3106	.06764	155.70	.11317	.00552
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	**24.168**	**.00536**	**.00068**	F **199.8**	**-.00252**	**-.00095**	**9.5250**	**-.00144**	**.57015**
Stddev	.129	.00091	.00340	.7	.00332	.00329	.0575	.00059	.00325
%RSD	.53272	16.970	498.69	.3565	131.92	346.30	.60347	40.798	.57063
#1	24.077	.00600	-.00172	200.3	-.00487	-.00327	9.4844	-.00185	.56785
#2	24.259	.00472	.00309	199.3	-.00017	.00137	9.5656	-.00102	.57245
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	**.00086**	**-.00262**	**.00067**	**.00157**
Stddev	.00018	.00117	.00056	.00093
%RSD	20.590	44.705	83.805	59.462
#1	.00074	-.00179	.00107	.00223
#2	.00099	-.00345	.00027	.00091
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	**1809.0**	**2697.5**	**24341.**	**4701.7**
Stddev	3.1	8.2	20.	14.2
%RSD	.17265	.30467	.08149	.30102
#1	1811.2	2703.4	24327.	4711.7
#2	1806.8	2691.7	24355.	4691.7

Sample Name: 480-18287-B-1-A Acquired: 4/10/2012 22:07:27 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	**-.00065**	**.66363**	**.01276**	**.17437**	**1.3924**	**.00009**	**192.11**	**.00094**	**.00272**
Stddev	.00020	.01829	.00005	.00078	.0031	.00006	.68	.00012	.00059
%RSD	30.753	2.7567	.40511	.44871	.22066	62.766	.35250	12.974	21.721
#1	-.00051	.67656	.01272	.17493	1.3903	.00014	191.64	.00086	.00230
#2	-.00079	.65069	.01280	.17382	1.3946	.00005	192.59	.00103	.00314
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	**.00457**	**.00764**	**18.468**	**27.293**	**48.546**	**.09328**	**47.641**	**.74838**	**.00438**
Stddev	.00036	.00029	.018	.029	.316	.00024	.026	.00034	.00083
%RSD	7.8854	3.8198	.09571	.10470	.65144	.25562	.05547	.04565	18.849
#1	.00483	.00784	18.456	27.273	48.769	.09311	47.622	.74814	.00496
#2	.00432	.00743	18.481	27.313	48.322	.09345	47.659	.74862	.00380
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	**1219.5**	**.01674**	**.00351**	**23.49**	**-.00284**	**-.00477**	**6.1045**	**.00100**	**2.1699**
Stddev	2.5	.00120	.00154	.10	.00023	.00219	.0970	.00061	.0076
%RSD	.20242	7.1884	43.950	.4266	8.0134	45.810	1.5884	60.283	.35253
#1	1221.3	.01759	.00460	23.56	-.00268	-.00632	6.0359	.00058	2.1644
#2	1217.8	.01589	.00242	23.41	-.00300	-.00323	6.1730	.00143	2.1753
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	**.02958**	**-.00172**	**.00885**	**.01600**
Stddev	.00094	.00327	.00024	.00013
%RSD	3.1693	190.63	2.6582	.80452
#1	.02892	-.00403	.00902	.01609
#2	.03024	.00060	.00868	.01591
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	**1571.8**	**2528.5**	**22110.**	**4608.0**
Stddev	3.8	.6	40.	41.5
%RSD	.24249	.02374	.18300	.89960
#1	1574.5	2528.9	22139.	4637.4
#2	1569.1	2528.1	22081.	4578.7

Sample Name: 480-18287-B-2-A Acquired: 4/10/2012 22:09:56 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	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	**-.00082**	**.27788**	**.02800**	**.14067**	**1.3452**	**.00001**	**168.11**	**.00053**	**.00353**
Stddev	.00102	.00308	.00100	.00133	.0013	.00004	.82	.00011	.00016
%RSD	123.80	1.1083	3.5790	.94260	.09770	740.59	.48792	21.346	4.5265
#1	-.00010	.27570	.02729	.14161	1.3442	-.00002	168.69	.00061	.00342
#2	-.00154	.28006	.02871	.13973	1.3461	.00003	167.53	.00045	.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	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	**.00513**	**.01714**	**16.724**	**85.756**	**111.94**	**.05889**	**39.057**	**.59204**	**.01110**
Stddev	.00022	.00034	.147	.063	2.08	.00032	.071	.00147	.00011
%RSD	4.3620	1.9972	.87972	.07389	1.8593	.54741	.18118	.24907	.96426
#1	.00529	.01738	16.828	85.801	113.41	.05912	39.107	.59309	.01103
#2	.00497	.01690	16.620	85.711	110.46	.05866	39.007	.59100	.01118
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	**730.99**	**.02503**	**.00549**	F **61.15**	**-.00322**	**.00722**	**4.5642**	**.00415**	**1.7030**
Stddev	1.78	.00047	.00078	.46	.00292	.00659	.0134	.00054	.0006
%RSD	.24341	1.8589	14.162	.7483	90.665	91.300	.29257	13.036	.03248
#1	732.25	.02536	.00494	61.47	-.00528	.00256	4.5736	.00377	1.7034
#2	729.73	.02470	.00604	60.82	-.00116	.01189	4.5547	.00453	1.7026
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	**.01336**	**-.00842**	**.01349**	**.04744**
Stddev	.00044	.00042	.00055	.00056
%RSD	3.3009	4.9621	4.1121	1.1885
#1	.01305	-.00872	.01389	.04784
#2	.01367	-.00813	.01310	.04704
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	**1636.9**	**2564.1**	**22526.**	**4624.7**
Stddev	4.0	2.8	43.	49.3
%RSD	.24537	.11073	.19163	1.0659
#1	1639.7	2566.1	22557.	4589.8
#2	1634.1	2562.1	22496.	4659.5

Sample Name: 480-18287-B-3-A Acquired: 4/10/2012 22:12:26 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	Ba4554-2	Be3130	Ca3179	Cd2288
Line	328.068 {103}	308.215 {109}	189.042 {478}	208.959 {461}	455.403 { 74}	455.403 { 74}2	313.042 {108}	317.933 {106}	228.802 {447}
IS Ref	(Y_3600)	(Y_3774)	(Y_2243)	(Y_2243)	(Y_3774)	(Y_3600)	(Y_3774)	(Y_3774)	(Y_2243)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00067**	**10.919**	**.00949**	**.13928**	**.45659**	**.44891**	**.00047**	**149.89**	**.00049**
Stddev	.00043	.131	.00130	.00134	.00087	.00065	.00004	1.11	.00036
%RSD	64.540	1.1981	13.717	.96124	.18952	.14565	8.5385	.74009	72.429
#1	-.00098	11.012	.01041	.14023	.45720	.44937	.00050	150.68	.00075
#2	-.00037	10.827	.00857	.13834	.45598	.44845	.00044	149.11	.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	Co2286	Cr2677	Cu3247	Fe2599	K_7664	K_7664-2	Li6707	Mg2790	Mn2576
Line	228.616 {447}	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}
IS Ref	(In2306)	(Y_3600)	(Y_3600)	(Y_3774)	(Y_3774)	(Y_3774)	(Y_3774)	(Y_3600)	(Y_3600)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00664**	**.01414**	**.01656**	**16.907**	**16.058**	**22.147**	**.03791**	**28.429**	**.85460**
Stddev	.00004	.00032	.00031	.097	.138	.445	.00069	.022	.00081
%RSD	.65538	2.2848	1.8568	.57489	.85678	2.0072	1.8243	.07878	.09451
#1	.00667	.01437	.01678	16.976	16.156	22.462	.03742	28.445	.85517
#2	.00661	.01391	.01634	16.838	15.961	21.833	.03840	28.413	.85403
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Mo2020	Na8183	Ni2316	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899
Line	202.030 {467}	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_2243)	(Y_3774)	(In2306)	(In2306)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3774)	(In2306)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00490**	**316.43**	**.01766**	**.00940**	F **26.21**	**-.00137**	**-.00820**	**20.764**	**.00002**
Stddev	.00023	2.13	.00009	.00358	.24	.00078	.00947	.014	.00019
%RSD	4.7939	.67165	.51462	38.087	.9028	56.504	115.48	.06688	801.33
#1	.00473	317.93	.01772	.01194	26.38	-.00083	-.00150	20.754	.00016
#2	.00507	314.93	.01759	.00687	26.04	-.00192	-.01490	20.774	-.00011
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	**1.6946**	**.23662**	**-.00043**	**.01944**	**.03923**
Stddev	.0104	.00675	.00503	.00015	.00027
%RSD	.61218	2.8519	1156.8	.79157	.67979
#1	1.7020	.23185	-.00399	.01934	.03942
#2	1.6873	.24139	.00312	.01955	.03904
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	**1734.5**	**2708.2**	**23728.**	**4640.6**
Stddev	8.2	6.4	55.	53.4
%RSD	.47138	.23485	.23220	1.1512
#1	1728.7	2703.7	23767.	4602.8
#2	1740.3	2712.7	23689.	4678.4

Sample Name: 480-18287-B-4-A Acquired: 4/10/2012 22:14:53 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**	**.02575**	**.00291**	**.13052**	**.62617**	**-.00005**	**88.728**	**.00151**	**.00019**
Stddev	.00122	.00164	.00122	.00019	.00267	.00009	.314	.00001	.00011
%RSD	226.21	6.3703	41.984	.14641	.42626	178.31	.35406	.43925	59.273
#1	-.00032	.02459	.00377	.13065	.62806	-.00011	88.950	.00151	.00011
#2	.00141	.02691	.00205	.13038	.62428	.00001	88.506	.00152	.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	**.00124**	**.00423**	**.78632**	**7.6440**	**10.669**	**.03068**	**37.138**	**.21518**	**.00287**
Stddev	.00040	.00058	.00045	.0207	.152	.00021	.089	.00021	.00052
%RSD	32.233	13.730	.05699	.27104	1.4256	.66926	.24083	.09644	18.036
#1	.00152	.00381	.78663	7.6586	10.561	.03083	37.202	.21533	.00251
#2	.00095	.00464	.78600	7.6293	10.776	.03054	37.075	.21504	.00324
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	**281.78**	**.00485**	**.00113**	**.6960**	**-.00091**	**-.00594**	**2.4990**	**-.00085**	**2.0508**
Stddev	.05	.00025	.00033	.0023	.00165	.00586	.0032	.00058	.0079
%RSD	.01924	5.1492	28.834	.3248	181.45	98.689	.12624	67.776	.38360
#1	281.74	.00468	.00090	.6976	-.00208	-.00179	2.4968	-.00126	2.0452
#2	281.82	.00503	.00137	.6944	.00026	-.01008	2.5012	-.00044	2.0563
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	**.00112**	**.00254**	**-.00037**	**.00579**
Stddev	.00036	.00178	.00022	.00060
%RSD	31.771	69.955	60.447	10.369
#1	.00137	.00380	-.00021	.00537
#2	.00087	.00129	-.00053	.00622
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	**1782.4**	**2708.7**	**23784.**	**4654.1**
Stddev	5.9	5.2	23.	1.4
%RSD	.33112	.19271	.09660	.02944
#1	1778.2	2705.0	23800.	4653.2
#2	1786.6	2712.4	23768.	4655.1

Sample Name: 480-18282-B-3-A Acquired: 4/10/2012 22:17:25 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	**.00039**	**-.00821**	**.00121**	**1.0441**	**2.6869**	**-.00007**	**11.719**	**.00013**	**-.00043**
Stddev	.00104	.01980	.00124	.0053	.0128	.00010	.118	.00016	.00009
%RSD	265.76	241.24	102.83	.50726	.47792	141.91	1.0038	122.99	21.929
#1	.00113	.00579	.00209	1.0478	2.6778	.00000	11.635	.00024	-.00037
#2	-.00034	-.02220	.00033	1.0403	2.6960	-.00014	11.802	.00002	-.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	**.00032**	**.00203**	**.13240**	**1.1893**	**1.2176**	**.00543**	**5.0794**	**.00540**	**.05997**
Stddev	.00030	.00015	.01108	.0279	.0051	.00105	.0473	.00012	.00009
%RSD	93.210	7.5904	8.3713	2.3446	.41907	19.412	.93123	2.2763	.14180
#1	.00054	.00214	.12456	1.1696	1.2140	.00617	5.1128	.00549	.05991
#2	.00011	.00193	.14023	1.2090	1.2212	.00468	5.0459	.00532	.06003
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	**57.539**	**.00026**	**.00017**	**.9098**	**-.00143**	**-.00421**	**5.6954**	**-.00159**	**5.2482**
Stddev	.073	.00015	.00363	.0056	.00154	.00373	.0450	.00071	.0043
%RSD	.12711	56.943	2096.3	.6149	107.56	88.644	.78986	44.926	.08194
#1	57.591	.00036	-.00240	.9138	-.00252	-.00685	5.6636	-.00108	5.2513
#2	57.488	.00015	.00274	.9059	-.00034	-.00157	5.7272	-.00209	5.2452
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**	**-.00048**	**-.00047**	**-.00186**
Stddev	.00025	.00021	.00038	.00107
%RSD	43.089	43.595	81.816	57.485
#1	-.00076	-.00033	-.00074	-.00110
#2	-.00041	-.00063	-.00020	-.00261
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	**1972.5**	**2842.7**	**25170.**	**4728.1**
Stddev	5.7	6.3	152.	33.8
%RSD	.28890	.22235	.60191	.71586
#1	1968.5	2838.3	25063.	4752.0
#2	1976.6	2847.2	25277.	4704.2

Sample Name: CCV Acquired: 4/10/2012 22:19:51 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	.46488	23.299	.51519	.51771	.47439	.47414	22.840	.52275	.47940	.48713	.48554	23.878	24.493
Stddev	.00225	.040	.00601	.00131	.00175	.00195	.089	.00058	.00107	.00313	.00142	.189	.094
%RSD	.48486	.17267	1.1660	.25318	.36843	.41218	.38752	.11037	.22284	.64278	.29241	.79074	.38347
#1	.46328	23.271	.51095	.51863	.47315	.47276	22.778	.52315	.48015	.48491	.48454	23.744	24.427
#2	.46647	23.328	.51944	.51678	.47562	.47553	22.903	.52234	.47864	.48934	.48655	24.011	24.559
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	24.123	.47753	25.335	.50732	.52375	24.192	.48403	.48811	25.42	.51097	.51870	22.809	.48525
Stddev	.508	.00410	.061	.00046	.00142	.135	.00120	.00052	.02	.00117	.00497	.237	.00150
%RSD	2.1051	.85791	.24108	.09041	.27018	.55840	.24775	.10614	.0618	.22943	.95810	1.0399	.30891
#1	23.764	.47464	25.378	.50765	.52475	24.096	.48487	.48775	25.43	.51180	.51518	22.641	.48631
#2	24.482	.48043	25.291	.50700	.52275	24.287	.48318	.48848	25.41	.51014	.52221	22.977	.48419
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	.49994	.48027	.51671	.47820	.47872
Stddev	.00292	.00170	.00013	.00158	.00055
%RSD	.58456	.35333	.02487	.32960	.11410
#1	.49788	.47907	.51680	.47708	.47834
#2	.50201	.48147	.51662	.47931	.47911
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	1939.9	2852.6	25249.	4716.2
Stddev	2.2	3.6	12.	35.9
%RSD	.11224	.12636	.04653	.76054
#1	1941.4	2855.1	25240.	4741.6
#2	1938.4	2850.0	25257.	4690.9

Sample Name: CCB Acquired: 4/10/2012 22:22:13 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	**-.00112**	**-.01201**	**.00290**	**.00103**	**.00012**	**-.00011**	**.00463**	**-.00005**	**-.00032**	**.00061**	**.00108**	**.01029**	**-.02596**
Stddev	.00028	.01014	.00112	.00030	.00001	.00004	.00754	.00014	.00002	.00040	.00017	.00058	.01568
%RSD	24.832	84.402	38.795	28.726	11.812	38.865	162.76	300.93	7.0447	65.285	16.169	5.5934	60.408
#1	-.00092	-.00484	.00369	.00124	.00013	-.00008	.00997	.00005	-.00030	.00033	.00120	.01070	-.03705
#2	-.00131	-.01918	.00210	.00082	.00011	-.00013	-.00070	-.00014	-.00033	.00089	.00096	.00988	-.01487
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	**.00344**	**-.00029**	**.00707**	**.00013**	**.00010**	**.04357**	**.00067**	**.00133**	F **.0057**	**-.00221**	**-.00399**	**.00678**	**-.00023**
Stddev	.00045	.00117	.00349	.00008	.00040	.00091	.00078	.00036	.0033	.00224	.00078	.04942	.00070
%RSD	13.140	399.38	49.331	59.632	392.85	2.0921	116.57	26.991	58.30	101.51	19.644	729.11	307.37
#1	.00376	.00053	.00953	.00019	.00038	.04292	.00012	.00158	.0033	-.00062	-.00343	-.02817	-.00073
#2	.00312	-.00112	.00460	.00008	-.00018	.04421	.00122	.00107	.0080	-.00379	-.00454	.04173	.00027
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**	**-.00028**	**-.00086**	**-.00031**	**-.00066**
Stddev	.00011	.00009	.00157	.00040	.00112
%RSD	304.25	31.974	181.94	129.56	171.42
#1	.00012	-.00022	-.00197	-.00003	.00014
#2	-.00004	-.00034	.00025	-.00060	-.00145
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	**2090.2**	**2893.3**	**26123.**	**4703.4**
Stddev	2.0	.1	21.	26.4
%RSD	.09462	.00206	.08142	.56111
#1	2091.6	2893.3	26138.	4684.8
#2	2088.8	2893.4	26108.	4722.1

Sample Name: MB 480-58757/7-B Acquired: 4/10/2012 22:25:02 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	**-.00009**	**.00737**	**.00348**	**.00454**	**.00009**	**-.00007**	**.05063**	**.00007**	**-.00010**
Stddev	.00071	.00875	.00275	.00005	.00001	.00009	.00086	.00014	.00011
%RSD	809.64	118.69	78.841	1.0134	8.2489	122.56	1.6930	212.65	115.44
#1	.00042	.01355	.00154	.00457	.00010	-.00013	.05123	.00017	-.00017
#2	-.00059	.00118	.00542	.00451	.00008	-.00001	.05002	-.00003	-.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	**-.00013**	**.00116**	**.01985**	**-.01251**	**.00231**	**-.00051**	**-.00119**	**.00074**	**-.00029**
Stddev	.00025	.00009	.00751	.00489	.00028	.00010	.01021	.00001	.00022
%RSD	186.14	7.5322	37.865	39.081	12.106	19.132	858.55	1.5364	75.703
#1	.00004	.00123	.01453	-.01596	.00251	-.00044	.00603	.00075	-.00013
#2	-.00031	.00110	.02516	-.00905	.00212	-.00058	-.00841	.00073	-.00044
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	**.03064**	**.00064**	**.00141**	**.0015**	**-.00268**	**-.00611**	**.02556**	**-.00132**	**.00037**
Stddev	.00607	.00111	.00135	.0002	.00259	.00154	.02171	.00022	.00012
%RSD	19.820	175.12	95.372	12.51	96.595	25.204	84.920	16.327	31.321
#1	.02634	.00142	.00237	.0014	-.00451	-.00720	.04091	-.00117	.00045
#2	.03493	-.00015	.00046	.0017	-.00085	-.00502	.01021	-.00147	.00029
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**	**-.00114**	**-.00028**	**-.00119**
Stddev	.00050	.00004	.00103	.00045
%RSD	66.871	3.1191	363.09	37.756
#1	-.00111	-.00116	.00045	-.00087
#2	-.00040	-.00111	-.00101	-.00151
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	**2098.6**	**2926.6**	**26347.**	**4786.6**
Stddev	1.3	6.6	14.	4.2
%RSD	.06040	.22386	.05330	.08866
#1	2097.7	2922.0	26337.	4783.6
#2	2099.5	2931.2	26357.	4789.6

Sample Name: LCS 480-58757/8-B Acquired: 4/10/2012 22:27:45 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	**.04645**	**9.3784**	**.20389**	**.21418**	**.19385**	**.19859**	**9.0227**	**.20710**	**.19064**
Stddev	.00006	.0644	.00047	.00085	.00005	.00014	.0124	.00171	.00084
%RSD	.12766	.68670	.22829	.39885	.02609	.06994	.13692	.82347	.44313
#1	.04640	9.4239	.20422	.21478	.19381	.19849	9.0314	.20831	.19124
#2	.04649	9.3328	.20356	.21357	.19388	.19869	9.0139	.20589	.19004
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	**.19272**	**.19578**	**9.4191**	**9.7473**	**8.6987**	**.19098**	**9.9593**	**.20396**	**.21088**
Stddev	.00118	.00061	.0285	.0495	.1232	.00038	.0061	.00065	.00089
%RSD	.61094	.31103	.30278	.50743	1.4165	.20147	.06134	.31810	.42011
#1	.19189	.19535	9.4392	9.7123	8.7858	.19125	9.9550	.20442	.21150
#2	.19355	.19621	9.3989	9.7823	8.6116	.19071	9.9636	.20350	.21025
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	**9.6586**	**.18973**	**.19682**	F **.0021**	**.19911**	**.19680**	**9.3365**	**.18703**	**.20125**
Stddev	.0022	.00295	.00079	.0000	.00094	.00264	.0296	.00004	.00070
%RSD	.02334	1.5560	.40170	2.313	.47168	1.3394	.31652	.02131	.34990
#1	9.6570	.19182	.19626	.0021	.19844	.19494	9.3574	.18706	.20075
#2	9.6602	.18764	.19738	.0022	.19977	.19867	9.3156	.18700	.20174
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	**.19176**	**.20410**	**.18817**	**.19919**
Stddev	.00024	.00088	.00051	.00015
%RSD	.12490	.43312	.26846	.07455
#1	.19193	.20348	.18853	.19929
#2	.19159	.20473	.18781	.19908
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	**2021.0**	**2881.7**	**25722.**	**4778.0**
Stddev	1.2	1.1	38.	18.8
%RSD	.05977	.03803	.14637	.39382
#1	2021.8	2881.0	25696.	4791.3
#2	2020.1	2882.5	25749.	4764.7

Sample Name: 480-18231-E-2-B Acquired: 4/10/2012 22:30:12 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	**-.00007**	**13.364**	**.00712**	**.11629**	**.15898**	**.00058**	**142.65**	**.00095**	**.00758**
Stddev	.00101	.031	.00114	.00144	.00120	.00025	1.19	.00015	.00024
%RSD	1538.1	.23330	16.036	1.2387	.75437	42.762	.83253	15.993	3.2082
#1	.00065	13.342	.00793	.11731	.15983	.00075	141.81	.00106	.00775
#2	-.00078	13.386	.00631	.11528	.15813	.00040	143.49	.00084	.00741
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	**.02104**	**.02281**	**14.460**	**12.404**	**18.506**	**.04947**	**48.132**	**.62279**	**.00385**
Stddev	.00061	.00004	.146	.019	1.004	.00130	.252	.00184	.00014
%RSD	2.9083	.17901	1.0077	.15688	5.4258	2.6251	.52446	.29520	3.6049
#1	.02061	.02284	14.357	12.390	17.796	.04855	48.311	.62409	.00375
#2	.02147	.02278	14.563	12.418	19.216	.05039	47.954	.62149	.00394
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	**418.24**	**.02329**	**.01172**	F **64.24**	**-.00277**	**-.00246**	**25.666**	**.00061**	**1.6324**
Stddev	2.75	.00031	.00033	.45	.00111	.00355	.052	.00063	.0001
%RSD	.65789	1.3232	2.8145	.7069	40.077	144.55	.20402	101.97	.00288
#1	416.29	.02351	.01149	64.56	-.00199	-.00497	25.629	.00106	1.6324
#2	420.18	.02307	.01196	63.92	-.00355	.00005	25.703	.00017	1.6324
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	**.23268**	**.00062**	**.02207**	**.03124**
Stddev	.00109	.00440	.00039	.00013
%RSD	.46899	710.02	1.7849	.42807
#1	.23191	-.00249	.02235	.03133
#2	.23345	.00373	.02179	.03114
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	**1715.2**	**2704.4**	**23545.**	**4638.6**
Stddev	3.4	5.9	40.	79.7
%RSD	.19999	.21980	.17147	1.7184
#1	1712.7	2700.2	23516.	4695.0
#2	1717.6	2708.6	23573.	4582.3

Sample Name: 480-18231-E-3-D Acquired: 4/10/2012 22:32:47 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	**-.00006**	**11.189**	**.00693**	**.10872**	**.15058**	**.00042**	**141.67**	**.00073**	**.00702**
Stddev	.00039	.031	.00231	.00173	.00099	.00008	.19	.00007	.00040
%RSD	610.81	.27395	33.267	1.5953	.65583	18.555	.13354	10.261	5.7564
#1	.00021	11.167	.00530	.10749	.14988	.00048	141.54	.00078	.00673
#2	-.00034	11.211	.00857	.10995	.15128	.00037	141.81	.00067	.00730
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	**.01822**	**.02145**	**12.063**	**11.444**	**16.778**	**.04333**	**46.764**	**.60890**	**.00353**
Stddev	.00030	.00011	.011	.028	.026	.00020	.000	.00001	.00038
%RSD	1.6526	.52215	.09011	.24600	.15360	.46641	.00001	.00181	10.731
#1	.01801	.02137	12.056	11.464	16.796	.04347	46.764	.60891	.00379
#2	.01843	.02152	12.071	11.424	16.760	.04318	46.764	.60890	.00326
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	**415.52**	**.02048**	**.01283**	F **63.57**	**-.00223**	**-.00281**	**22.171**	**-.00020**	**1.6099**
Stddev	.14	.00003	.00212	.34	.00380	.00264	.059	.00111	.0045
%RSD	.03265	.16591	16.565	.5338	170.54	94.105	.26384	551.78	.27966
#1	415.61	.02050	.01433	63.81	-.00491	-.00094	22.212	.00058	1.6131
#2	415.42	.02045	.01133	63.33	.00046	-.00468	22.130	-.00098	1.6067
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	**.20081**	**.00062**	**.01838**	**.02725**
Stddev	.00284	.00331	.00003	.00049
%RSD	1.4163	532.54	.16841	1.8018
#1	.20282	-.00172	.01836	.02760
#2	.19880	.00296	.01840	.02691
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	**1716.3**	**2712.5**	**23503.**	**4683.5**
Stddev	6.6	9.2	64.	5.7
%RSD	.38555	.34081	.27262	.12144
#1	1721.0	2719.0	23548.	4687.5
#2	1711.7	2705.9	23458.	4679.5

Sample Name: 480-18231-E-3-D SD@5 Acquired: 4/10/2012 22:35:13 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	**-.00035**	**2.7837**	**-.00087**	**.02315**	**.03380**	**.00002**	**28.322**	**.00033**	**.00098**
Stddev	.00008	.0359	.00002	.00062	.00004	.00005	.062	.00016	.00014
%RSD	21.570	1.2910	2.2897	2.6777	.10965	204.48	.22019	48.509	14.335
#1	-.00030	2.7583	-.00085	.02359	.03383	-.00001	28.366	.00044	.00088
#2	-.00040	2.8091	-.00088	.02271	.03377	.00006	28.278	.00021	.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	**.00417**	**.00592**	**2.5344**	**2.5320**	**2.7999**	**.00851**	**9.4233**	**.12451**	**.00058**
Stddev	.00086	.00047	.0299	.0043	.0085	.00033	.0226	.00111	.00011
%RSD	20.671	7.8600	1.1779	.17145	.30281	3.8364	.23940	.89134	19.479
#1	.00356	.00625	2.5133	2.5289	2.8059	.00874	9.4392	.12529	.00066
#2	.00477	.00559	2.5555	2.5351	2.7939	.00828	9.4073	.12372	.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	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	**83.002**	**.00406**	**.00082**	**12.17**	**-.00197**	**-.00619**	**6.0313**	**-.00022**	**.32262**
Stddev	.051	.00079	.00184	.06	.00002	.00029	.0737	.00016	.00222
%RSD	.06165	19.339	225.01	.5269	.87401	4.6978	1.2216	72.637	.68694
#1	83.038	.00461	-.00048	12.22	-.00198	-.00599	6.0834	-.00011	.32105
#2	82.966	.00350	.00211	12.13	-.00196	-.00640	5.9792	-.00034	.32419
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	**.09827**	**-.00078**	**.00468**	**.00509**
Stddev	.00116	.00085	.00018	.00020
%RSD	1.1778	108.71	3.8001	3.9001
#1	.09909	-.00018	.00455	.00523
#2	.09745	-.00138	.00480	.00495
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	**1924.3**	**2829.0**	**24798.**	**4677.2**
Stddev	4.1	4.9	62.	48.3
%RSD	.21493	.17254	.24889	1.0317
#1	1927.2	2825.5	24754.	4643.1
#2	1921.4	2832.4	24842.	4711.3

Sample Name: 480-18231-E-3-D PDS Acquired: 4/10/2012 22:37:25 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	**.04702**	**20.502**	**.21361**	**.31408**	**.33097**	**.19721**	**146.71**	**.20917**	**.20515**
Stddev	.00183	.054	.00513	.00070	.00010	.00025	.42	.00112	.00004
%RSD	3.8859	.26360	2.3997	.22442	.03093	.12891	.28373	.53486	.02111
#1	.04573	20.541	.20999	.31458	.33090	.19739	147.01	.20997	.20518
#2	.04831	20.464	.21724	.31358	.33104	.19703	146.42	.20838	.20512
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	**.20623**	**.21912**	**20.998**	**21.009**	**30.336**	**.23755**	**55.365**	**.79195**	**.20625**
Stddev	.00100	.00011	.054	.022	.143	.00042	.177	.00228	.00046
%RSD	.48434	.05161	.25750	.10379	.47285	.17671	.32044	.28817	.22313
#1	.20553	.21904	21.037	21.025	30.234	.23785	55.490	.79357	.20657
#2	.20694	.21920	20.960	20.994	30.437	.23726	55.239	.79034	.20592
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	**414.86**	**.21368**	**.21152**	F **62.06**	**.20284**	**.20150**	**31.041**	**.19761**	**1.7521**
Stddev	.13	.00055	.00177	.26	.00287	.00645	.041	.00060	.0023
%RSD	.03252	.25763	.83646	.4195	1.4173	3.2015	.13315	.30192	.13151
#1	414.76	.21407	.21277	62.25	.20488	.20606	31.012	.19803	1.7537
#2	414.95	.21329	.21027	61.88	.20081	.19694	31.070	.19719	1.7504
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	**.39953**	**.19572**	**.20602**	**.22320**
Stddev	.00013	.00194	.00007	.00045
%RSD	.03261	.99232	.03274	.20238
#1	.39962	.19435	.20598	.22352
#2	.39943	.19710	.20607	.22289
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	**1704.9**	**2711.3**	**23393.**	**4645.0**
Stddev	1.5	4.4	85.	1.6
%RSD	.08960	.16264	.36411	.03355
#1	1703.8	2708.2	23333.	4643.9
#2	1706.0	2714.4	23454.	4646.1

Sample Name: 480-18231-E-3-E MS Acquired: 4/10/2012 22:39:45 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	**.04911**	**26.454**	**.21591**	**.33199**	**.35418**	**.19783**	**151.19**	**.21048**	**.20615**
Stddev	.00094	.120	.00275	.00315	.00155	.00074	.07	.00207	.00193
%RSD	1.9218	.45389	1.2728	.94774	.43889	.37424	.04304	.98471	.93633
#1	.04844	26.539	.21785	.33421	.35308	.19835	151.24	.21195	.20751
#2	.04978	26.369	.21396	.32976	.35528	.19731	151.15	.20902	.20478
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	**.20953**	**.22045**	**22.186**	**23.959**	**34.316**	**.24736**	**57.344**	**.81316**	**.20776**
Stddev	.00195	.00122	.099	.135	.092	.00157	.264	.00595	.00212
%RSD	.93054	.55165	.44722	.56440	.26713	.63640	.46113	.73224	1.0214
#1	.20815	.21959	22.256	24.055	34.251	.24847	57.157	.80895	.20926
#2	.21091	.22131	22.116	23.864	34.381	.24625	57.531	.81737	.20626
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	**429.21**	**.21665**	**.21213**	F **64.10**	**.20596**	**.20076**	**41.584**	**.20317**	**1.8084**
Stddev	2.40	.00158	.00135	.25	.00351	.00404	.118	.00026	.0050
%RSD	.55939	.73135	.63844	.3829	1.7051	2.0137	.28377	.12892	.27759
#1	430.91	.21777	.21309	64.27	.20845	.20362	41.667	.20298	1.8120
#2	427.51	.21553	.21117	63.92	.20348	.19790	41.500	.20335	1.8049
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	**.45990**	**.19769**	**.21455**	**.22579**
Stddev	.00212	.00286	.00015	.00062
%RSD	.46028	1.4450	.07216	.27321
#1	.45840	.19971	.21444	.22535
#2	.46139	.19567	.21466	.22622
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	**1703.6**	**2715.3**	**23423.**	**4669.0**
Stddev	2.1	3.3	39.	10.6
%RSD	.12122	.12284	.16741	.22713
#1	1702.1	2712.9	23451.	4661.5
#2	1705.0	2717.7	23395.	4676.5

Sample Name: 480-18231-E-3-F MSD Acquired: 4/10/2012 22:42:02 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	.04919	26.942	.21291	.33313	.35991	.19657	150.98	.20844	.20640
Stddev	.00017	.111	.00304	.00069	.00116	.00125	1.00	.00024	.00060
%RSD	.35249	.41217	1.4260	.20662	.32206	.63762	.66042	.11437	.29227
#1	.04907	27.020	.21505	.33362	.36073	.19745	151.69	.20861	.20682
#2	.04931	26.863	.21076	.33264	.35909	.19568	150.28	.20827	.20597
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	.21124	.22086	22.330	24.257	34.219	.25063	57.113	.80752	.20578
Stddev	.00007	.00141	.114	.127	.077	.00034	.088	.00097	.00013
%RSD	.03497	.63658	.51264	.52432	.22545	.13554	.15478	.12018	.06221
#1	.21119	.22185	22.411	24.347	34.164	.25039	57.176	.80683	.20568
#2	.21129	.21986	22.249	24.167	34.273	.25087	57.051	.80821	.20587
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	428.54	.21614	.21016	F 63.95	.20294	.20378	42.090	.20410	1.8148
Stddev	1.22	.00167	.00275	.22	.00167	.00279	.420	.00187	.0087
%RSD	.28525	.77211	1.3083	.3460	.82257	1.3687	.99819	.91732	.48040
#1	429.40	.21732	.21211	64.11	.20412	.20575	42.387	.20542	1.8210
#2	427.67	.21496	.20822	63.80	.20176	.20180	41.793	.20278	1.8086
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	.46361	.19726	.21418	.22238
Stddev	.00165	.00482	.00246	.00044
%RSD	.35585	2.4419	1.1470	.19635
#1	.46244	.20067	.21592	.22207
#2	.46478	.19386	.21245	.22269
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	1699.9	2729.9	23531.	4687.0
Stddev	.7	3.9	80.	14.9
%RSD	.04167	.14241	.34005	.31794
#1	1700.4	2732.7	23474.	4676.5
#2	1699.4	2727.2	23587.	4697.6

Sample Name: 480-18231-E-4-B Acquired: 4/10/2012 22:44:24 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	**-.00067**	**.06451**	**.00387**	**.08803**	**.08768**	**-.00030**	**125.12**	**.00046**	**.00045**
Stddev	.00009	.00055	.00100	.00055	.00024	.00000	.39	.00021	.00063
%RSD	13.438	.86011	25.770	.62261	.27613	.38338	.30842	45.507	137.71
#1	-.00074	.06412	.00458	.08842	.08785	-.00030	125.39	.00061	.00001
#2	-.00061	.06490	.00317	.08765	.08750	-.00030	124.85	.00031	.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	**.00207**	**.00212**	**.38802**	**9.7310**	**14.967**	**.02544**	**34.532**	**.34676**	**.00463**
Stddev	.00043	.00020	.00333	.0579	.152	.00050	.055	.00032	.00033
%RSD	20.939	9.4418	.85805	.59527	1.0131	1.9616	.16050	.09354	7.1877
#1	.00238	.00198	.39037	9.6900	15.074	.02580	34.571	.34699	.00486
#2	.00177	.00226	.38566	9.7720	14.860	.02509	34.493	.34653	.00439
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	**500.80**	**.00220**	**.00402**	F **87.78**	**-.00095**	**-.00123**	**3.5057**	**-.00081**	**1.4824**
Stddev	1.55	.00046	.00196	.70	.00059	.00368	.0347	.00081	.0054
%RSD	.31030	20.820	48.789	.8022	61.743	298.25	.98906	100.20	.36523
#1	499.70	.00252	.00264	88.27	-.00137	.00137	3.5302	-.00138	1.4785
#2	501.90	.00188	.00541	87.28	-.00054	-.00383	3.4811	-.00024	1.4862
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	**.00141**	**.00118**	**.00058**	**.00175**
Stddev	.00051	.00162	.00018	.00098
%RSD	36.378	137.13	31.911	56.047
#1	.00104	.00004	.00071	.00106
#2	.00177	.00233	.00045	.00245
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	**1714.8**	**2693.8**	**23103.**	**4644.8**
Stddev	.4	5.9	20.	14.4
%RSD	.02290	.21998	.08787	.30980
#1	1714.6	2698.0	23117.	4654.9
#2	1715.1	2689.6	23089.	4634.6

Sample Name: 480-17367-A-8-M Acquired: 4/10/2012 22:46:52 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	**-.00090**	**.00183**	**.00406**	**.48353**	**.03431**	**-.00006**	**58.677**	**.00046**	**-.00008**
Stddev	.00081	.00232	.00002	.00097	.00005	.00012	.026	.00018	.00026
%RSD	89.507	126.57	.39996	.20100	.13213	216.67	.04512	39.067	313.17
#1	-.00033	.00347	.00405	.48422	.03428	.00003	58.696	.00034	-.00027
#2	-.00147	.00019	.00407	.48284	.03434	-.00014	58.658	.00059	.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	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	**.00172**	**.00177**	**1.7767**	**2.7575**	**3.1158**	**.02274**	**47.596**	**.03112**	**.02412**
Stddev	.00077	.00049	.0120	.0225	.0641	.00000	.121	.00019	.00019
%RSD	44.909	27.916	.67520	.81639	2.0576	.01524	.25396	.62187	.78429
#1	.00117	.00212	1.7682	2.7734	3.0705	.02274	47.682	.03126	.02398
#2	.00227	.00142	1.7852	2.7416	3.1611	.02275	47.511	.03099	.02425
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	**52.439**	**.00193**	**.00212**	F **77.78**	**-.00292**	**-.00341**	**7.0031**	**-.00127**	F **15.231**
Stddev	.065	.00003	.00360	.27	.00097	.00156	.0682	.00103	.029
%RSD	.12361	1.3479	169.62	.3418	33.366	45.621	.97385	80.763	.18750
#1	52.394	.00191	.00467	77.97	-.00361	-.00231	7.0513	-.00055	15.211
#2	52.485	.00195	-.00042	77.60	-.00223	-.00451	6.9549	-.00200	15.251
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail
High Limit				25.00					10.000
Low Limit				-.0100					-.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	**.00112**	**.00202**	**.00005**	**-.00132**
Stddev	.00023	.00009	.00052	.00074
%RSD	20.607	4.2745	995.48	56.427
#1	.00129	.00196	-.00032	-.00184
#2	.00096	.00208	.00042	-.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	**1916.0**	**2800.3**	**24761.**	**4675.5**
Stddev	3.1	2.7	54.	40.8
%RSD	.15930	.09646	.21787	.87230
#1	1918.1	2802.2	24723.	4704.4
#2	1913.8	2798.4	24799.	4646.7

Sample Name: CCV Acquired: 4/10/2012 22:49:16 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	.46460	23.126	.50167	.50097	.46837	.47678	22.559	.50872	.47312	.47911	.49049	23.862	24.141
Stddev	.00112	.015	.00049	.00055	.00175	.00140	.055	.00049	.00186	.00255	.00116	.035	.161
%RSD	.24182	.06369	.09756	.11002	.37295	.29332	.24386	.09600	.39248	.53244	.23703	.14616	.66806
#1	.46539	23.136	.50202	.50136	.46961	.47776	22.598	.50838	.47444	.48091	.49131	23.887	24.255
#2	.46380	23.115	.50133	.50058	.46714	.47579	22.520	.50907	.47181	.47730	.48967	23.838	24.027
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	24.027	.47756	24.877	.50424	.50880	23.852	.47978	.47983	25.52	.50739	.50961	22.507	.49294
Stddev	.026	.00356	.192	.00191	.00021	.074	.00221	.00451	.10	.00389	.00228	.051	.00373
%RSD	.10629	.74542	.77073	.37829	.04164	.31189	.46163	.93888	.3862	.76578	.44834	.22437	.75750
#1	24.009	.48008	25.012	.50559	.50895	23.905	.48135	.48302	25.59	.50464	.51122	22.543	.49558
#2	24.045	.47504	24.741	.50289	.50865	23.800	.47821	.47665	25.45	.51014	.50799	22.472	.49030
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	.48608	.49302	.49597	.47504	.46831
Stddev	.00341	.00235	.00558	.00253	.00186
%RSD	.70194	.47765	1.1259	.53237	.39711
#1	.48849	.49468	.49992	.47683	.46963
#2	.48367	.49135	.49202	.47325	.46700
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	1950.1	2893.1	25075.	4708.0
Stddev	6.7	4.0	41.	7.6
%RSD	.34430	.13663	.16462	.16105
#1	1945.4	2890.3	25104.	4702.6
#2	1954.9	2895.9	25046.	4713.4

Sample Name: CCB Acquired: 4/10/2012 22:51:31 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	**-.00042**	**-.04929**	**.00334**	**-.00001**	**.00003**	**-.00016**	**-.00179**	**.00006**	**-.00017**	**.00089**	**.00059**	**.00780**	**.03982**
Stddev	.00051	.01397	.00132	.00022	.00002	.00012	.00408	.00007	.00007	.00029	.00021	.00426	.01004
%RSD	120.60	28.349	39.483	1931.1	51.114	73.483	227.60	105.36	42.170	32.757	34.716	54.651	25.218
#1	-.00006	-.05917	.00427	.00015	.00004	-.00008	-.00468	.00002	-.00021	.00110	.00045	.00479	.03272
#2	-.00078	-.03941	.00241	-.00017	.00002	-.00024	.00109	.00011	-.00012	.00069	.00074	.01082	.04692
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	**.00167**	**-.00072**	**-.00557**	**-.00013**	**-.00007**	**.02892**	**.00038**	**-.00010**	**.0008**	**-.00081**	**-.00644**	**.04792**	**-.00036**
Stddev	.00044	.00026	.00165	.00002	.00008	.00908	.00008	.00013	.0000	.00058	.00175	.00255	.00013
%RSD	26.125	36.443	29.624	13.958	114.81	31.385	19.973	134.94	1.290	71.223	27.196	5.3189	37.127
#1	.00136	-.00091	-.00440	-.00014	-.00012	.02250	.00043	.00000	.0008	-.00040	-.00520	.04612	-.00046
#2	.00198	-.00053	-.00673	-.00011	-.00001	.03534	.00033	-.00019	.0008	-.00121	-.00768	.04972	-.00027
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	**.00026**	**-.00038**	**-.00067**	**.00013**	**-.00100**
Stddev	.00016	.00015	.00285	.00021	.00008
%RSD	62.359	41.101	428.39	154.81	8.2589
#1	.00015	-.00027	-.00268	-.00001	-.00106
#2	.00037	-.00049	.00135	.00028	-.00094
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	**2107.2**	**2920.7**	**26070.**	**4723.7**
Stddev	4.3	.0	142.	23.5
%RSD	.20280	.00062	.54617	.49821
#1	2104.2	2920.7	26171.	4740.4
#2	2110.2	2920.7	25969.	4707.1

Sample Name: MB 480-58723/1-A Acquired: 4/10/2012 22:53:50 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	Ba4554-2	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	**-.00007**	**-.01481**	**.00140**	**.00240**	**.00012**	**-.00001**	**.03631**	**.00003**	**-.00022**
Stddev	.00000	.00256	.00132	.00006	.00001	.00003	.00138	.00023	.00008
%RSD	5.2298	17.261	94.105	2.6878	9.7230	543.62	3.7929	930.09	35.268
#1	-.00007	-.01301	.00234	.00244	.00012	-.00003	.03533	-.00014	-.00028
#2	-.00007	-.01662	.00047	.00235	.00011	.00002	.03728	.00019	-.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	**.00069**	**.00130**	**.01372**	**-.00363**	**.00202**	**-.00014**	**-.00145**	**.00054**	**-.00016**
Stddev	.00012	.00039	.00085	.02126	.00010	.00070	.00013	.00007	.00016
%RSD	17.645	29.655	6.2228	586.00	4.9211	492.55	8.8878	13.774	97.640
#1	.00061	.00103	.01312	-.01866	.00209	-.00064	-.00154	.00049	-.00005
#2	.00078	.00158	.01433	.01141	.00195	.00036	-.00136	.00059	-.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	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	**.02838**	**.00128**	**-.00046**	**.0003**	**-.00093**	**-.00519**	**.02681**	**-.00089**	**.00022**
Stddev	.00296	.00012	.00027	.0031	.00043	.00034	.01972	.00022	.00007
%RSD	10.422	9.1830	58.116	886.3	46.101	6.6389	73.561	24.965	33.296
#1	.03047	.00120	-.00064	.0025	-.00063	-.00495	.04075	-.00074	.00017
#2	.02629	.00137	-.00027	-.0018	-.00123	-.00544	.01286	-.00105	.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	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**	**.00080**	**-.00034**	**-.00117**
Stddev	.00108	.00197	.00076	.00015
%RSD	591.78	245.63	222.27	12.710
#1	-.00094	.00219	.00019	-.00107
#2	.00058	-.00059	-.00088	-.00128
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	**2124.6**	**2958.2**	**26270.**	**4738.7**
Stddev	2.6	4.8	91.	1.4
%RSD	.12273	.16337	.34725	.02892
#1	2126.4	2961.7	26335.	4737.7
#2	2122.7	2954.8	26206.	4739.7

Sample Name: LCS 480-58723/2-A Acquired: 4/10/2012 22:56:09 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	**.93504**	**-.00070**	**1.0229**	**-.00830**	**.95631**	**.99031**	**.02612**	**1.0343**	**.96138**
Stddev	.00625	.00435	.0035	.00062	.00113	.00087	.00469	.0006	.00352
%RSD	.66812	621.78	.33902	7.4370	.11800	.08778	17.942	.05362	.36577
#1	.93062	-.00378	1.0253	-.00787	.95551	.99093	.02943	1.0339	.96386
#2	.93946	.00238	1.0204	-.00874	.95710	.98970	.02281	1.0347	.95889
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	**.96340**	**.99572**	**.00785**	**-.00668**	**.00241**	**-.00090**	**-.01817**	**1.0194**	**1.0553**
Stddev	.00423	.00558	.00143	.01715	.00020	.00080	.00055	.0031	.0000
%RSD	.43902	.56057	18.248	256.59	8.4049	88.493	3.0391	.30412	.00275
#1	.96041	.99177	.00683	.00544	.00255	-.00034	-.01856	1.0172	1.0553
#2	.96640	.99966	.00886	-.01881	.00227	-.00146	-.01778	1.0216	1.0552
Check ?	Chk Pass	Chk Pass	None	None	None	None	None	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	**.02554**	**.96027**	**.96006**	F **-.0032**	**1.0448**	**.99370**	**.04563**	**-.00030**	**.00025**
Stddev	.00757	.00130	.00125	.0051	.0001	.00478	.01345	.00021	.00003
%RSD	29.620	.13494	.12993	160.5	.00603	.48110	29.484	70.797	13.691
#1	.03089	.96119	.96094	.0004	1.0448	.99032	.03611	-.00015	.00028
#2	.02019	.95936	.95918	-.0068	1.0447	.99708	.05514	-.00044	.00023
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	**.00050**	**1.0087**	**.94951**	**.99589**
Stddev	.00058	.0060	.00030	.00142
%RSD	115.87	.59739	.03204	.14230
#1	.00091	1.0130	.94930	.99689
#2	.00009	1.0045	.94973	.99489
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	**2104.8**	**2951.4**	**26162.**	**4735.2**
Stddev	5.6	2.3	165.	16.5
%RSD	.26516	.07932	.62997	.34771
#1	2100.8	2949.7	26278.	4723.5
#2	2108.7	2953.0	26045.	4746.8

Sample Name: 480-18202-B-1-E Acquired: 4/10/2012 22:58:24 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	**-.00001**	**4.2730**	**.55124**	**.89516**	**.52413**	**.00022**	**74.330**	**-.00093**	**.00548**
Stddev	.00024	.0458	.00477	.00229	.00427	.00013	.415	.00010	.00013
%RSD	1723.3	1.0712	.86443	.25620	.81494	57.273	.55826	10.410	2.3856
#1	-.00019	4.2406	.55461	.89678	.52111	.00013	74.036	-.00099	.00557
#2	.00016	4.3053	.54787	.89354	.52715	.00031	74.623	-.00086	.00538
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	**.01367**	**.09965**	**18.900**	**20.301**	**22.968**	**.00724**	**20.089**	**.46074**	**.00322**
Stddev	.00001	.00023	.077	.031	.511	.00142	.042	.00006	.00052
%RSD	.10964	.23517	.40716	.15265	2.2262	19.564	.20983	.01352	16.005
#1	.01366	.09982	18.846	20.279	23.330	.00623	20.119	.46069	.00286
#2	.01368	.09949	18.954	20.323	22.607	.00824	20.059	.46078	.00359
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	**86.900**	**.01897**	**.01618**	**15.07**	**.27646**	**-.00281**	**10.854**	**.01161**	**.29318**
Stddev	.031	.00034	.00236	.09	.00136	.00189	.086	.00005	.00048
%RSD	.03614	1.8150	14.597	.5984	.49251	67.174	.79462	.42271	.16247
#1	86.922	.01922	.01785	15.13	.27742	-.00148	10.793	.01157	.29284
#2	86.878	.01873	.01451	15.00	.27549	-.00415	10.915	.01164	.29351
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	**.29646**	**-.00327**	**.00977**	**.40797**
Stddev	.00057	.00321	.00061	.00202
%RSD	.19261	98.270	6.2272	.49494
#1	.29687	-.00554	.00934	.40940
#2	.29606	-.00100	.01020	.40655
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	**1888.6**	**2819.7**	**24719.**	**4739.5**
Stddev	3.2	.2	9.	12.7
%RSD	.17040	.00743	.03758	.26821
#1	1890.9	2819.9	24726.	4730.5
#2	1886.3	2819.6	24713.	4748.5

Sample Name: 480-18202-B-1-E SD@5 Acquired: 4/10/2012 23:00:41 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	**.00004**	**.81117**	**.10803**	**.17619**	**.10625**	**-.00012**	**14.694**	**-.00014**	**.00069**
Stddev	.00152	.03552	.00237	.00201	.00031	.00001	.027	.00013	.00011
%RSD	3511.1	4.3791	2.1929	1.1387	.29072	11.221	.18090	88.868	16.523
#1	-.00103	.83629	.10635	.17761	.10603	-.00011	14.713	-.00024	.00061
#2	.00112	.78605	.10970	.17477	.10646	-.00013	14.675	-.00005	.00077
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	**.00243**	**.01996**	**3.8261**	**3.9257**	**3.6435**	**.00186**	**3.9974**	**.09298**	**.00011**
Stddev	.00006	.00044	.0222	.0190	.0225	.00088	.0046	.00025	.00011
%RSD	2.5110	2.2104	.57919	.48304	.61851	47.452	.11402	.26421	100.24
#1	.00239	.01965	3.8418	3.9123	3.6594	.00124	4.0006	.09280	.00003
#2	.00247	.02027	3.8105	3.9391	3.6276	.00249	3.9942	.09315	.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	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	**16.309**	**.00435**	**.00365**	**2.900**	**.05548**	**-.00212**	**2.1775**	**.00210**	**.05785**
Stddev	.008	.00005	.00178	.001	.00312	.00170	.0366	.00002	.00011
%RSD	.05043	1.1923	48.785	.0366	5.6153	80.216	1.6789	.76465	.19155
#1	16.314	.00439	.00491	2.901	.05768	-.00092	2.2034	.00211	.05793
#2	16.303	.00431	.00239	2.899	.05327	-.00332	2.1517	.00209	.05777
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**	**-.00071**	**.00248**	**.08181**
Stddev	.00006	.00031	.00023	.00080
%RSD	.09656	42.980	9.1616	.97515
#1	.05792	-.00093	.00232	.08238
#2	.05784	-.00049	.00264	.08125
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	**2036.4**	**2890.2**	**25607.**	**4728.5**
Stddev	4.6	5.8	10.	37.4
%RSD	.22564	.19949	.04036	.78998
#1	2033.2	2886.2	25600.	4702.1
#2	2039.7	2894.3	25614.	4754.9

Sample Name: 480-18202-B-1-E PDS Acquired: 4/10/2012 23:02:59 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	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	**1.0145**	**4.2537**	**1.6304**	**.86291**	**1.5473**	**1.0672**	**74.381**	**1.1002**	**1.0042**
Stddev	.0095	.0210	.0145	.00533	.0153	.0069	.715	.0094	.0043
%RSD	.94094	.49376	.89079	.61785	.98653	.64255	.96140	.85192	.43341
#1	1.0078	4.2388	1.6407	.86668	1.5365	1.0623	73.876	1.1068	1.0073
#2	1.0213	4.2685	1.6201	.85914	1.5581	1.0720	74.887	1.0936	1.0011
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	**1.0405**	**1.1770**	**18.849**	**20.089**	**22.640**	**.00674**	**19.764**	**1.5137**	**1.1026**
Stddev	.0004	.0090	.109	.079	.230	.00054	.006	.0036	.0091
%RSD	.04222	.76156	.57906	.39434	1.0140	8.0716	.03183	.24019	.82428
#1	1.0408	1.1706	18.772	20.033	22.478	.00712	19.769	1.5112	1.1090
#2	1.0402	1.1833	18.926	20.145	22.803	.00635	19.760	1.5163	1.0962
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	**85.992**	**1.0609**	**1.0567**	**14.75**	**1.3778**	**1.1035**	**11.059**	**.01269**	**.28964**
Stddev	.613	.0103	.0045	.11	.0077	.0034	.174	.00062	.00192
%RSD	.71247	.97401	.42911	.7269	.55600	.30616	1.5718	4.9192	.66372
#1	85.559	1.0682	1.0599	14.83	1.3832	1.1011	10.936	.01314	.28828
#2	86.426	1.0536	1.0535	14.68	1.3723	1.1059	11.182	.01225	.29100
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	**.29709**	**1.0767**	**1.0435**	**1.4030**
Stddev	.00052	.0086	.0030	.0032
%RSD	.17391	.79829	.28392	.22485
#1	.29672	1.0828	1.0414	1.4008
#2	.29745	1.0707	1.0455	1.4052
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	**1891.2**	**2856.2**	**24734.**	**4726.9**
Stddev	2.7	2.2	101.	21.8
%RSD	.14088	.07753	.40760	.46176
#1	1893.1	2854.7	24806.	4742.4
#2	1889.3	2857.8	24663.	4711.5

Sample Name: 480-18202-B-1-F MS Acquired: 4/10/2012 23:05:45 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	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	**.93886**	**4.3936**	**1.5948**	**.85792**	**1.4673**	**1.0054**	**74.851**	**1.0390**	**.99548**
Stddev	.00520	.0650	.0050	.00049	.0041	.0039	.157	.0056	.00639
%RSD	.55353	1.4803	.31036	.05699	.27996	.38713	.20998	.53716	.64187
#1	.94253	4.4396	1.5983	.85827	1.4644	1.0081	74.740	1.0429	1.00000
#2	.93519	4.3476	1.5913	.85758	1.4702	1.0026	74.962	1.0350	.99096
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	**.97150**	**1.1020**	**19.082**	**20.363**	**22.920**	**.00709**	**20.032**	**1.4531**	**1.0507**
Stddev	.00102	.0054	.162	.069	.193	.00054	.008	.0020	.0043
%RSD	.10485	.49021	.84888	.33819	.84196	7.5518	.03894	.13981	.40696
#1	.97222	1.1058	19.196	20.412	22.783	.00747	20.026	1.4516	1.0537
#2	.97078	1.0982	18.967	20.315	23.056	.00672	20.037	1.4545	1.0476
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	**87.126**	**1.0005**	**.99373**	**14.09**	**1.3014**	**.65577**	**10.787**	**.01173**	**.29309**
Stddev	.660	.0081	.01407	.06	.0054	.00414	.078	.00008	.00073
%RSD	.75755	.81441	1.4160	.4033	.41407	.63107	.72675	.68165	.24749
#1	87.593	1.0062	1.0037	14.13	1.3053	.65285	10.731	.01179	.29360
#2	86.660	.99472	.98378	14.05	1.2976	.65870	10.842	.01167	.29257
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	**.30079**	**1.0069**	**.96539**	**1.3787**
Stddev	.00002	.0083	.00241	.0005
%RSD	.00585	.82921	.24971	.03353
#1	.30080	1.0128	.96709	1.3790
#2	.30078	1.0010	.96368	1.3783
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	**1892.6**	**2846.8**	**24967.**	**4748.5**
Stddev	1.5	1.7	46.	31.8
%RSD	.07984	.05986	.18282	.66863
#1	1891.5	2848.0	24934.	4726.0
#2	1893.6	2845.6	24999.	4770.9

Sample Name: 480-18202-B-1-G MSD Acquired: 4/10/2012 23:08:35 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	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	**.93254**	**4.6035**	**1.5708**	**.84771**	**1.4419**	**.99424**	**72.219**	**1.0325**	**.99015**
Stddev	.00272	.0451	.0040	.00227	.0040	.00006	.082	.0047	.00605
%RSD	.29150	.97860	.25370	.26834	.27657	.00571	.11378	.45372	.61112
#1	.93446	4.6353	1.5736	.84931	1.4447	.99428	72.277	1.0359	.99443
#2	.93061	4.5716	1.5680	.84610	1.4390	.99420	72.161	1.0292	.98587
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	**.96688**	**1.0954**	**18.975**	**19.749**	**22.183**	**.00754**	**19.892**	**1.4514**	**1.0458**
Stddev	.00099	.0004	.061	.024	.655	.00062	.016	.0018	.0042
%RSD	.10256	.03434	.32405	.12264	2.9549	8.1618	.08288	.12252	.39889
#1	.96758	1.0951	19.018	19.766	21.719	.00710	19.880	1.4502	1.0488
#2	.96618	1.0956	18.931	19.732	22.646	.00797	19.903	1.4527	1.0429
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	**84.968**	**.98929**	**.98793**	**13.62**	**1.2950**	**.65209**	**11.362**	**.01194**	**.28438**
Stddev	.106	.00684	.00835	.06	.0032	.00338	.090	.00034	.00117
%RSD	.12533	.69100	.84527	.4312	.24678	.51778	.78850	2.8650	.41191
#1	84.893	.99413	.99383	13.66	1.2973	.65448	11.425	.01170	.28356
#2	85.043	.98446	.98202	13.58	1.2928	.64970	11.299	.01218	.28521
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	**.33354**	**1.0018**	**.95798**	**1.3735**
Stddev	.00108	.0035	.00099	.0004
%RSD	.32524	.35164	.10309	.03146
#1	.33277	1.0043	.95867	1.3738
#2	.33430	.99928	.95728	1.3731
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	**1891.2**	**2840.8**	**24830.**	**4749.4**
Stddev	1.6	1.4	54.	16.1
%RSD	.08580	.04897	.21755	.33929
#1	1890.1	2841.8	24868.	4760.8
#2	1892.4	2839.8	24792.	4738.0

Sample Name: MB 480-58875/1-A Acquired: 4/10/2012 23:11:09 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	**.00011**	**-.01682**	**.00179**	**.00179**	**.00020**	**-.00009**	**.04267**	**.00030**	**-.00026**
Stddev	.00025	.03059	.00095	.00017	.00002	.00000	.00061	.00008	.00059
%RSD	234.28	181.85	53.089	9.6913	7.7254	5.1479	1.4408	26.553	223.24
#1	-.00007	.00481	.00112	.00167	.00021	-.00009	.04224	.00024	.00015
#2	.00029	-.03845	.00246	.00192	.00019	-.00008	.04311	.00036	-.00068
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	**.00055**	**.00124**	**.00747**	**-.00358**	**.02272**	**-.00047**	**-.00473**	**.00032**	**.00039**
Stddev	.00049	.00036	.00290	.00441	.00009	.00121	.00168	.00009	.00028
%RSD	89.098	29.281	38.804	123.37	.38167	260.05	35.448	27.954	71.440
#1	.00089	.00098	.00952	-.00046	.02278	-.00133	-.00591	.00026	.00058
#2	.00020	.00149	.00542	-.00670	.02265	.00039	-.00354	.00038	.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	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	**.03362**	**.00021**	**-.00032**	F **.0085**	**.00820**	**-.00163**	**.06988**	F **.02598**	**.00017**
Stddev	.00190	.00037	.00047	.0023	.00096	.00151	.01600	.00016	.00006
%RSD	5.6619	179.23	145.85	26.71	11.756	92.662	22.899	.62439	34.582
#1	.03227	-.00006	.00001	.0069	.00752	-.00270	.05857	.02586	.00022
#2	.03496	.00047	-.00065	.0100	.00888	-.00056	.08120	.02609	.00013
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	**.00045**	**-.00081**	**-.00052**	**-.00027**
Stddev	.00007	.00167	.00034	.00015
%RSD	15.751	207.68	66.081	55.727
#1	.00050	.00038	-.00076	-.00017
#2	.00040	-.00199	-.00028	-.00038
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	**2070.0**	**2872.6**	**25571.**	**4650.4**
Stddev	.2	.1	139.	8.0
%RSD	.00926	.00313	.54179	.17197
#1	2069.9	2872.6	25473.	4644.7
#2	2070.1	2872.7	25669.	4656.0

Sample Name: LCSSRM 480-58875/2-A Acquired: 4/10/2012 23:13:42 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	**.39439**	**69.819**	**1.1267**	**1.0019**	**1.9312**	**.89765**	**61.925**	**.84477**	**1.3406**
Stddev	.00018	.088	.0019	.0067	.0100	.00189	.104	.00875	.0095
%RSD	.04541	.12585	.17025	.67106	.51721	.21051	.16810	1.0363	.71077
#1	.39426	69.757	1.1280	1.0067	1.9383	.89632	61.999	.85096	1.3474
#2	.39452	69.881	1.1253	.99715	1.9242	.89899	61.852	.83858	1.3339
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	**1.1344**	**1.2223**	**101.08**	**28.547**	**27.178**	**.07172**	**25.307**	**3.4805**	**.68291**
Stddev	.0027	.0072	.22	.067	.508	.00050	.013	.0037	.00642
%RSD	.23597	.59172	.21657	.23383	1.8690	.70399	.04943	.10695	.94000
#1	1.1363	1.2274	101.23	28.595	26.819	.07136	25.299	3.4831	.68745
#2	1.1325	1.2172	100.92	28.500	27.537	.07207	25.316	3.4778	.67838
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	**3.5343**	**.75068**	**.78905**	**2.434**	**1.0233**	**1.3404**	**26.893**	**1.3458**	**1.5411**
Stddev	.0114	.00468	.00061	.003	.0088	.0128	.097	.0076	.0024
%RSD	.32174	.62325	.07741	.1251	.86309	.95449	.36066	.56182	.15256
#1	3.5262	.75399	.78949	2.432	1.0295	1.3494	26.962	1.3512	1.5394
#2	3.5423	.74737	.78862	2.436	1.0171	1.3313	26.824	1.3405	1.5427
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	**2.6965**	**2.8647**	**.82756**	**2.6195**
Stddev	.0039	.0228	.00295	.0022
%RSD	.14375	.79561	.35627	.08226
#1	2.6938	2.8808	.82965	2.6210
#2	2.6993	2.8486	.82548	2.6180
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	**1866.7**	**2939.4**	**25571.**	**4832.5**
Stddev	3.9	6.1	26.	8.8
%RSD	.20638	.20716	.10220	.18189
#1	1864.0	2935.1	25552.	4838.7
#2	1869.4	2943.7	25589.	4826.3

Sample Name: 480-18292-A-1-A Acquired: 4/10/2012 23:16:07 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	**-.00141**	**47.567**	**.15587**	**.02525**	**.35058**	**.00279**	**20.344**	**.00168**	**.03538**
Stddev	.00037	.087	.00113	.00084	.00017	.00011	.040	.00023	.00006
%RSD	26.012	.18247	.72467	3.3236	.04930	4.1012	.19596	13.925	.16755
#1	-.00115	47.628	.15667	.02584	.35070	.00271	20.372	.00185	.03542
#2	-.00166	47.506	.15508	.02466	.35045	.00287	20.316	.00151	.03533
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	**.09395**	**.22525**	**142.75**	**6.7409**	**6.2583**	**.04831**	**17.884**	**2.1137**	**.00510**
Stddev	.00061	.00026	.36	.0502	.0310	.00062	.025	.0027	.00034
%RSD	.65216	.11578	.25449	.74438	.49583	1.2739	.13940	.12681	6.6566
#1	.09352	.22543	143.01	6.7764	6.2803	.04787	17.901	2.1118	.00486
#2	.09438	.22506	142.50	6.7054	6.2364	.04874	17.866	2.1156	.00534
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	**.31908**	**.12078**	**.31311**	**1.774**	**.00081**	**-.00443**	**17.736**	**.03853**	**.07171**
Stddev	.00239	.00094	.00077	.008	.00060	.00392	.027	.00046	.00034
%RSD	.74960	.77741	.24635	.4279	73.652	88.309	.15097	1.2035	.47406
#1	.31739	.12145	.31366	1.779	.00039	-.00167	17.755	.03886	.07195
#2	.32077	.12012	.31257	1.768	.00124	-.00720	17.717	.03821	.07147
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	**.95853**	**-.00269**	**.13733**	**.30752**
Stddev	.00126	.00381	.00028	.00155
%RSD	.13124	141.55	.20288	.50336
#1	.95942	.00000	.13752	.30642
#2	.95764	-.00538	.13713	.30861
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	**1942.2**	**2975.0**	**25875.**	**4889.9**
Stddev	2.7	3.8	15.	17.4
%RSD	.13902	.12607	.05623	.35555
#1	1940.3	2972.3	25885.	4902.2
#2	1944.1	2977.6	25865.	4877.6

Sample Name: CCV Acquired: 4/10/2012 23:18:31 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
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.45022	22.794	.50776	.49989	.45693	.47894	F 22.463	.50934	.47334	.47417	.47994	24.101
Stddev	.00145	.048	.00438	.00157	.00013	.00157	.004	.00056	.00222	.00241	.00033	.029
%RSD	.32168	.20874	.86237	.31455	.02934	.32756	.01563	.10981	.46973	.50821	.06960	.12044
#1	.45124	22.760	.51086	.49878	.45703	.48005	22.465	.50973	.47491	.47587	.47970	24.122
#2	.44920	22.828	.50466	.50100	.45684	.47783	22.460	.50894	.47177	.47246	.48017	24.081
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value							25.000					
Range							-10.000%					

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	23.775	23.232	.46583	25.163	.51382	.51442	23.320	.48622	.48594	25.85	.51289	.50402
Stddev	.004	.246	.00387	.053	.00177	.00286	.001	.00118	.00085	.10	.00431	.00551
%RSD	.01530	1.0592	.82988	.20905	.34513	.55629	.00629	.24300	.17393	.3835	.83971	1.0940
#1	23.778	23.406	.46856	25.126	.51257	.51645	23.319	.48705	.48654	25.92	.51594	.50792
#2	23.773	23.058	.46309	25.201	.51508	.51240	23.321	.48538	.48535	25.78	.50985	.50013
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	Si2881	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F 22.187	.49815	.47869	.49417	.50373	.46372	.47377
Stddev	.110	.00458	.00131	.00009	.00325	.00096	.00099
%RSD	.49733	.91984	.27299	.01730	.64446	.20684	.20941
#1	22.265	.50139	.47777	.49411	.50603	.46440	.47448
#2	22.109	.49491	.47962	.49423	.50144	.46304	.47307
Check ?	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value	25.000						
Range	-10.000%						

Int. Std.	In2306	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	1996.3	2955.5	25831.	4834.1
Stddev	.8	4.8	73.	.3
%RSD	.03915	.16135	.28435	.00695
#1	1995.7	2958.8	25883.	4833.9
#2	1996.8	2952.1	25779.	4834.4

Sample Name: CCB Acquired: 4/10/2012 23:20:49 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	**-.00082**	**-.00452**	**.00247**	**.00076**	**.00006**	**-.00002**	**-.00742**	**.00019**	**-.00029**	**-.00016**	**.00153**	**.01324**	**-.01085**
Stddev	.00059	.00611	.00041	.00004	.00002	.00007	.00534	.00005	.00026	.00042	.00021	.00063	.01921
%RSD	71.995	135.41	16.472	5.6415	24.013	324.02	71.895	25.189	89.678	255.33	13.475	4.7670	177.00
#1	-.00040	-.00019	.00276	.00073	.00007	-.00007	-.00365	.00023	-.00011	.00013	.00138	.01280	-.02444
#2	-.00124	-.00884	.00218	.00079	.00005	.00003	-.01120	.00016	-.00047	-.00046	.00167	.01369	.00273
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	**.00176**	**-.00098**	**-.00291**	**.00002**	**-.00023**	**.00103**	**.00083**	**.00018**	**-.0039**	**-.00141**	**-.00235**	**.05122**	**.00052**
Stddev	.00024	.00066	.00033	.00005	.00008	.00645	.00030	.00043	.0043	.00190	.00074	.00147	.00049
%RSD	13.624	66.840	11.407	273.97	37.063	627.03	36.023	244.80	109.2	134.42	31.505	2.8785	94.504
#1	.00159	-.00145	-.00315	-.00002	-.00017	-.00353	.00104	-.00013	-.0070	-.00007	-.00288	.05018	.00087
#2	.00193	-.00052	-.00268	.00005	-.00029	.00559	.00062	.00048	-.0009	-.00276	-.00183	.05226	.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	**.00005**	**-.00011**	**-.00175**	**-.00059**	**-.00175**
Stddev	.00003	.00034	.00111	.00068	.00002
%RSD	74.976	317.52	63.353	115.80	1.1333
#1	.00002	-.00035	-.00254	-.00107	-.00174
#2	.00007	.00013	-.00097	-.00011	-.00177
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	**2130.1**	**2960.3**	**26366.**	**4809.8**
Stddev	6.6	3.5	25.	26.2
%RSD	.31110	.11799	.09622	.54428
#1	2134.8	2957.9	26348.	4828.3
#2	2125.4	2962.8	26384.	4791.3

Sample Name: 480-18292-A-2-A Acquired: 4/10/2012 23:23:18 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	Ba4554-2	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	**-.00111**	**48.049**	**.04993**	**.02472**	**.22498**	**.00286**	**18.290**	**.00111**	**.03341**
Stddev	.00085	.111	.00324	.00096	.00142	.00003	.069	.00020	.00014
%RSD	76.822	.23046	6.4831	3.8794	.63038	.93962	.37533	18.146	.40436
#1	-.00051	47.971	.04764	.02540	.22599	.00288	18.339	.00126	.03331
#2	-.00172	48.128	.05222	.02405	.22398	.00284	18.242	.00097	.03350
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	**.08695**	**.13748**	**121.49**	**6.6567**	**6.1584**	**.05277**	**14.867**	**3.0376**	**.00238**
Stddev	.00081	.00080	.63	.0215	.0009	.00109	.028	.0070	.00043
%RSD	.93721	.58234	.51965	.32259	.01403	2.0677	.18744	.23147	18.176
#1	.08753	.13805	121.94	6.6719	6.1578	.05200	14.848	3.0326	.00208
#2	.08637	.13692	121.04	6.6415	6.1590	.05354	14.887	3.0426	.00269
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	**.33635**	**.07809**	**.14273**	**.8186**	**-.00371**	**-.00565**	**20.623**	**.03948**	**.06962**
Stddev	.00538	.00130	.00245	.0079	.00139	.00829	.143	.00059	.00037
%RSD	1.5996	1.6661	1.7140	.9711	37.329	146.69	.69365	1.5040	.53671
#1	.34015	.07901	.14446	.8242	-.00273	-.01151	20.724	.03990	.06989
#2	.33254	.07717	.14100	.8130	-.00469	.00021	20.522	.03906	.06936
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	**1.1760**	**-.00443**	**.14836**	**.21503**
Stddev	.0042	.00301	.00125	.00209
%RSD	.35718	68.095	.84406	.97367
#1	1.1790	-.00229	.14924	.21355
#2	1.1730	-.00656	.14747	.21651
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	**1938.1**	**2955.3**	**26105.**	**4879.6**
Stddev	5.2	.6	39.	36.7
%RSD	.26685	.01983	.14837	.75149
#1	1934.4	2955.7	26078.	4853.7
#2	1941.7	2954.8	26132.	4905.5

Sample Name: 480-18292-A-3-A Acquired: 4/10/2012 23:25:39 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	**-.00117**	**17.868**	**.18580**	**.03540**	**.57323**	**.00284**	**789.15**	**.00173**	**.04687**
Stddev	.00061	.056	.00177	.00016	.00361	.00001	8.51	.00037	.00028
%RSD	52.390	.31583	.95526	.44334	.63016	.26138	1.0781	21.565	.59431
#1	-.00074	17.908	.18455	.03551	.57578	.00284	795.17	.00199	.04707
#2	-.00160	17.828	.18706	.03529	.57067	.00283	783.14	.00146	.04668
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	**.11137**	**.21441**	**99.083**	**6.9769**	**9.9205**	**.03514**	F **461.97**	**1.9319**	**.03297**
Stddev	.00018	.00091	.888	.0708	.2139	.00005	.46	.0020	.00017
%RSD	.16171	.42401	.89575	1.0146	2.1560	.14542	.09865	.10282	.52866
#1	.11124	.21505	99.711	7.0269	10.072	.03510	462.29	1.9333	.03310
#2	.11150	.21376	98.455	6.9268	9.7692	.03517	461.65	1.9305	.03285
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	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	**.69131**	**.13052**	**.21162**	**11.81**	**-.00188**	**-.00071**	**15.769**	**.02763**	**.55695**
Stddev	.00151	.00173	.00043	.06	.00013	.00008	.059	.00111	.00296
%RSD	.21838	1.3220	.20288	.5463	7.1604	10.975	.37683	4.0078	.53195
#1	.69238	.13174	.21132	11.86	-.00178	-.00066	15.811	.02841	.55905
#2	.69024	.12930	.21192	11.77	-.00197	-.00077	15.727	.02685	.55486
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	**.36316**	**-.00213**	**.07870**	**.30716**
Stddev	.00497	.00056	.00057	.00014
%RSD	1.3682	26.341	.72644	.04479
#1	.36667	-.00174	.07830	.30726
#2	.35965	-.00253	.07911	.30706
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	**1545.9**	**2552.4**	**22680.**	**4540.0**
Stddev	1.6	.3	12.	42.1
%RSD	.10479	.01187	.05286	.92827
#1	1547.1	2552.2	22672.	4510.2
#2	1544.8	2552.6	22689.	4569.8

Sample Name: 480-18292-A-4-A Acquired: 4/10/2012 23:28:04 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	**-.00083**	**28.503**	**.07674**	**.02072**	**.26751**	**.00225**	**189.37**	**.00519**	**.04233**
Stddev	.00146	.326	.00055	.00033	.00024	.00003	1.90	.00011	.00028
%RSD	175.55	1.1455	.71421	1.6093	.09081	1.5251	1.0058	2.1442	.66099
#1	.00020	28.272	.07713	.02049	.26769	.00227	188.02	.00511	.04253
#2	-.00186	28.734	.07636	.02096	.26734	.00222	190.72	.00527	.04213
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	**.11790**	**.39112**	**151.72**	**4.2108**	**4.7349**	**.03573**	**107.36**	**2.2950**	**.01142**
Stddev	.00046	.00128	1.66	.0113	.0220	.00004	.41	.0059	.00009
%RSD	.39167	.32704	1.0944	.26765	.46435	.09854	.38285	.25876	.82688
#1	.11823	.39203	150.55	4.2028	4.7193	.03575	107.65	2.2992	.01149
#2	.11757	.39022	152.90	4.2188	4.7504	.03570	107.07	2.2908	.01135
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	**.37847**	**.11812**	**.61463**	**2.980**	**.00188**	**-.00683**	**15.350**	**.06671**	**.15425**
Stddev	.00465	.00166	.00307	.022	.00452	.00098	.106	.00013	.00050
%RSD	1.2291	1.4071	.49990	.7414	240.31	14.304	.68827	.19794	.32485
#1	.38176	.11929	.61681	2.995	-.00132	-.00614	15.275	.06661	.15390
#2	.37518	.11694	.61246	2.964	.00508	-.00752	15.424	.06680	.15461
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	**.79998**	**-.00170**	**.10781**	**.97665**
Stddev	.00057	.00069	.00007	.00085
%RSD	.07141	40.747	.06274	.08669
#1	.79958	-.00218	.10776	.97724
#2	.80038	-.00121	.10785	.97605
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	**1765.4**	**2779.6**	**24738.**	**4717.9**
Stddev	4.3	9.6	108.	2.7
%RSD	.24520	.34469	.43528	.05791
#1	1762.4	2772.9	24662.	4719.9
#2	1768.5	2786.4	24814.	4716.0

Sample Name: 480-18292-A-5-A Acquired: 4/10/2012 23:30:16 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	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**	**40.846**	**.09120**	**.13079**	**.69180**	**.00289**	**128.15**	**.00287**	**.03023**
Stddev	.00023	.007	.00070	.00141	.00031	.00003	.01	.00003	.00024
%RSD	25.285	.01703	.77260	1.0750	.04505	1.0489	.01141	.88473	.79121
#1	-.00106	40.841	.09170	.13178	.69202	.00287	128.14	.00285	.03040
#2	-.00074	40.851	.09070	.12979	.69158	.00291	128.16	.00288	.03006
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	**.09056**	**.33305**	**139.38**	**6.4428**	**6.7450**	**.05147**	**39.258**	**1.9510**	**.01669**
Stddev	.00024	.00084	.71	.0047	.0148	.00125	.326	.0127	.00004
%RSD	.26043	.25196	.51175	.07237	.21887	2.4256	.82981	.64998	.23342
#1	.09039	.33364	139.88	6.4395	6.7554	.05235	39.488	1.9600	.01672
#2	.09072	.33246	138.87	6.4461	6.7345	.05059	39.027	1.9421	.01667
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	**1.5333**	**.12969**	**.77698**	**7.432**	**.00808**	**.00097**	**17.962**	**.04547**	**.86218**
Stddev	.0102	.00023	.00446	.047	.00249	.00200	.041	.00048	.00158
%RSD	.66306	.17887	.57438	.6301	30.849	205.94	.22691	1.0616	.18330
#1	1.5405	.12952	.78014	7.466	.00632	-.00044	17.991	.04581	.86107
#2	1.5261	.12985	.77383	7.399	.00985	.00239	17.933	.04513	.86330
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	**1.1178**	**.00034**	**.14296**	**.56111**
Stddev	.0045	.00202	.00121	.00269
%RSD	.40350	596.24	.84557	.48002
#1	1.1210	.00177	.14210	.56302
#2	1.1146	-.00109	.14381	.55921
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**	**2823.0**	**24845.**	**4735.8**
Stddev	4.4	2.4	140.	.4
%RSD	.23959	.08563	.56335	.00858
#1	1824.6	2821.3	24746.	4736.1
#2	1830.8	2824.7	24944.	4735.5

Sample Name: 480-18292-A-5-A SD@5 Acquired: 4/10/2012 23:32:32 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	**-.00003**	**8.3845**	**.01990**	**.02661**	**.14474**	**.00054**	**26.379**	**.00074**	**.00597**
Stddev	.00090	.0398	.00153	.00050	.00031	.00008	.078	.00013	.00009
%RSD	2750.6	.47421	7.6964	1.8701	.21329	15.452	.29699	17.113	1.4931
#1	-.00067	8.3564	.02099	.02696	.14496	.00060	26.434	.00083	.00603
#2	.00061	8.4127	.01882	.02626	.14453	.00048	26.323	.00065	.00591
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	**.01887**	**.06693**	**29.893**	**1.3422**	**1.2042**	**.01040**	**8.0361**	**.40492**	**.00340**
Stddev	.00017	.00011	.030	.0159	.0024	.00002	.0304	.00116	.00029
%RSD	.87518	.16028	.10145	1.1873	.20258	.18150	.37818	.28609	8.6014
#1	.01898	.06701	29.915	1.3535	1.2059	.01041	8.0147	.40410	.00319
#2	.01875	.06686	29.872	1.3309	1.2024	.01038	8.0576	.40574	.00361
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	**.30909**	**.02660**	**.15384**	**1.484**	**.00228**	**-.00066**	**4.1102**	**.00808**	**.17470**
Stddev	.00357	.00072	.00093	.003	.00025	.00224	.0254	.00078	.00064
%RSD	1.1534	2.7005	.60393	.2101	11.002	339.07	.61824	9.7042	.36649
#1	.31161	.02711	.15449	1.486	.00246	-.00225	4.1281	.00863	.17425
#2	.30657	.02609	.15318	1.482	.00211	.00093	4.0922	.00752	.17515
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	**.24069**	**-.00132**	**.02874**	**.11620**
Stddev	.00066	.00328	.00051	.00058
%RSD	.27613	247.76	1.7610	.50185
#1	.24022	.00099	.02910	.11579
#2	.24116	-.00364	.02838	.11661
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	**2029.1**	**2916.0**	**25891.**	**4729.6**
Stddev	3.5	7.1	71.	31.6
%RSD	.17495	.24361	.27532	.66771
#1	2026.6	2910.9	25942.	4752.0
#2	2031.6	2921.0	25841.	4707.3

Sample Name: 480-18292-A-5-A PDS Acquired: 4/10/2012 23:34:46 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	**.08981**	**57.840**	**.46675**	**.51882**	**1.0257**	**.38518**	**138.53**	**.39538**	**.40896**
Stddev	.00023	.370	.00246	.00579	.0125	.00275	1.23	.00460	.00348
%RSD	.25439	.64010	.52649	1.1160	1.2224	.71443	.88746	1.1640	.85007
#1	.08997	57.578	.46848	.52292	1.0169	.38324	137.66	.39863	.41142
#2	.08965	58.102	.46501	.51473	1.0346	.38713	139.40	.39212	.40650
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	**.44754**	**.71066**	**149.89**	**25.074**	**26.765**	**.43144**	**55.545**	**2.2088**	**.40761**
Stddev	.00057	.00378	1.42	.138	.118	.00342	.099	.0018	.00517
%RSD	.12824	.53208	.95022	.55062	.44268	.79324	.17833	.08296	1.2678
#1	.44794	.70798	148.88	24.976	26.848	.42902	55.615	2.2101	.41127
#2	.44713	.71333	150.90	25.172	26.681	.43386	55.475	2.2075	.40396
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	**20.226**	**.49602**	**1.1192**	**7.112**	**.39217**	**.38767**	**35.530**	**.41911**	**1.1960**
Stddev	.139	.00432	.0097	.076	.00388	.00777	.231	.00572	.0083
%RSD	.68754	.87015	.86359	1.071	.98822	2.0049	.65045	1.3645	.69457
#1	20.127	.49907	1.1261	7.165	.39491	.39316	35.366	.42315	1.1901
#2	20.324	.49296	1.1124	7.058	.38943	.38217	35.693	.41506	1.2018
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	**1.4744**	**.38464**	**.49785**	**.88402**
Stddev	.0120	.00121	.00068	.00490
%RSD	.81143	.31448	.13562	.55407
#1	1.4829	.38378	.49833	.88749
#2	1.4660	.38549	.49737	.88056
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	**1779.4**	**2792.3**	**24485.**	**4699.1**
Stddev	4.7	9.7	63.	7.8
%RSD	.26393	.34605	.25648	.16546
#1	1776.1	2785.4	24529.	4704.6
#2	1782.8	2799.1	24440.	4693.6

Sample Name: 480-18292-A-5-B MS Acquired: 4/10/2012 23:37:06 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	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	**.09102**	**83.380**	**.48088**	**.55279**	**1.1480**	**.39155**	**177.57**	**.40590**	**.42504**
Stddev	.00210	.855	.00383	.00522	.0097	.00235	1.24	.00423	.00486
%RSD	2.3047	1.0253	.79605	.94393	.84028	.60028	.69804	1.0412	1.1428
#1	.09251	82.776	.48359	.55648	1.1412	.38989	176.69	.40888	.42848
#2	.08954	83.985	.47817	.54910	1.1548	.39321	178.44	.40291	.42161
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	**.49082**	**.73999**	**156.68**	**29.010**	**31.623**	**.46368**	**91.756**	**2.3521**	**.41942**
Stddev	.00412	.00465	.71	.022	.228	.00256	.640	.0103	.00450
%RSD	.83931	.62784	.45154	.07469	.71967	.55245	.69774	.43657	1.0732
#1	.49373	.74328	156.18	28.995	31.784	.46187	91.303	2.3449	.42260
#2	.48790	.73671	157.18	29.025	31.462	.46550	92.208	2.3594	.41623
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	**20.988**	**.52871**	**1.1239**	**7.071**	**.36601**	**.38775**	**43.121**	**.46321**	**1.2037**
Stddev	.063	.00808	.0052	.047	.00306	.00229	.359	.00256	.0000
%RSD	.29880	1.5286	.46055	.6669	.83653	.59142	.83212	.55216	.00089
#1	20.943	.53442	1.1275	7.104	.36818	.38937	42.868	.46502	1.2037
#2	21.032	.52299	1.1202	7.037	.36385	.38612	43.375	.46140	1.2037
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	**1.9267**	**.39076**	**.54226**	**.96657**
Stddev	.0224	.00822	.00470	.00905
%RSD	1.1647	2.1045	.86600	.93636
#1	1.9426	.39658	.54558	.96017
#2	1.9108	.38495	.53894	.97297
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	**1742.4**	**2778.4**	**24163.**	**4723.2**
Stddev	3.3	7.7	17.	4.1
%RSD	.18922	.27667	.06991	.08625
#1	1740.1	2773.0	24151.	4726.1
#2	1744.8	2783.8	24175.	4720.3

Sample Name: 480-18292-A-5-C MSD Acquired: 4/10/2012 23:39:33 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	**.09109**	**89.010**	**.47211**	**.57540**	**1.2255**	**.38866**	**146.75**	**.39642**	**.42044**
Stddev	.00092	.194	.00294	.00333	.0006	.00094	.06	.00220	.00242
%RSD	1.0143	.21781	.62275	.57819	.04713	.24242	.04137	.55422	.57477
#1	.09043	88.873	.47419	.57776	1.2251	.38933	146.71	.39797	.42215
#2	.09174	89.147	.47003	.57305	1.2260	.38800	146.79	.39487	.41873
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	**.47211**	**.71495**	**155.33**	**28.428**	**29.921**	**.46270**	**54.828**	**2.3707**	**.40638**
Stddev	.00088	.00358	.04	.046	.363	.00050	.062	.0031	.00116
%RSD	.18651	.50075	.02637	.16085	1.2130	.10864	.11289	.12903	.28462
#1	.47149	.71242	155.30	28.461	29.664	.46306	54.784	2.3685	.40720
#2	.47274	.71748	155.36	28.396	30.178	.46235	54.872	2.3728	.40556
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	**21.125**	**.53099**	**1.0955**	**6.869**	**.36284**	**.37730**	**45.817**	**.44189**	**1.4870**
Stddev	.003	.00366	.0087	.061	.00294	.00410	.093	.00321	.0051
%RSD	.01566	.69008	.79200	.8955	.80951	1.0867	.20404	.72702	.34213
#1	21.127	.53358	1.1016	6.912	.36491	.38020	45.883	.44416	1.4906
#2	21.122	.52839	1.0893	6.825	.36076	.37440	45.751	.43961	1.4834
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	**2.5599**	**.38513**	**.54399**	**.86012**
Stddev	.0170	.00321	.00164	.00017
%RSD	.66340	.83393	.30146	.01945
#1	2.5479	.38740	.54283	.86000
#2	2.5719	.38286	.54515	.86024
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	**1760.6**	**2813.2**	**24417.**	**4695.6**
Stddev	8.3	10.8	129.	5.7
%RSD	.46882	.38546	.52955	.12147
#1	1754.7	2805.5	24508.	4699.6
#2	1766.4	2820.8	24325.	4691.6

Sample Name: 480-18292-A-6-C Acquired: 4/10/2012 23:42:07 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	**-.00132**	**50.218**	**.08921**	**.11078**	**.60739**	**.00304**	**109.46**	**.00239**	**.03050**
Stddev	.00117	.483	.00325	.00141	.00308	.00009	1.00	.00007	.00024
%RSD	88.691	.96151	3.6453	1.2697	.50778	2.9444	.91061	2.8547	.79111
#1	-.00049	50.560	.09151	.11177	.60957	.00297	110.17	.00234	.03033
#2	-.00215	49.877	.08691	.10978	.60521	.00310	108.76	.00244	.03067
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	**.09280**	**.33854**	**130.68**	**6.3249**	**6.5872**	**.06747**	**41.388**	**2.3585**	**.01707**
Stddev	.00122	.00045	.76	.0574	.0060	.00041	.335	.0102	.00007
%RSD	1.3147	.13284	.58063	.90765	.09159	.60364	.80880	.43059	.39359
#1	.09193	.33886	131.21	6.3655	6.5915	.06719	41.151	2.3513	.01702
#2	.09366	.33823	130.14	6.2843	6.5830	.06776	41.625	2.3657	.01712
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	**1.2588**	**.15143**	**.58026**	**6.796**	**.00317**	**.00182**	**19.732**	**.04898**	**.71358**
Stddev	.0100	.00063	.00112	.029	.00102	.00309	.059	.00034	.00056
%RSD	.79554	.41780	.19244	.4224	32.344	169.63	.29847	.69401	.07814
#1	1.2659	.15098	.57947	6.816	.00244	-.00036	19.774	.04922	.71397
#2	1.2517	.15187	.58105	6.775	.00389	.00400	19.690	.04874	.71318
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	**1.6884**	**-.00397**	**.13560**	**.49095**
Stddev	.0048	.00132	.00022	.00254
%RSD	.28645	33.350	.16135	.51665
#1	1.6849	-.00491	.13544	.48916
#2	1.6918	-.00304	.13575	.49274
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	**1864.3**	**2891.5**	**25166.**	**4782.7**
Stddev	3.8	11.7	75.	32.6
%RSD	.20308	.40327	.29705	.68223
#1	1861.6	2883.3	25219.	4759.6
#2	1866.9	2899.8	25113.	4805.7

Sample Name: 480-18292-A-7-A Acquired: 4/10/2012 23:44:25 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	**-.00111**	**46.255**	**.12693**	**.16002**	**.76055**	**.00338**	**353.34**	**.00235**	**.03119**
Stddev	.00089	.369	.00180	.00098	.00025	.00021	.09	.00000	.00015
%RSD	80.364	.79766	1.4146	.61052	.03341	6.2207	.02515	.10722	.47623
#1	-.00174	46.516	.12566	.15933	.76037	.00353	353.28	.00235	.03130
#2	-.00048	45.994	.12820	.16071	.76073	.00323	353.40	.00235	.03109
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	**.08997**	**.33128**	**133.96**	**6.0559**	**7.1142**	**.05996**	**37.461**	**1.7089**	**.01779**
Stddev	.00014	.00156	.27	.0062	.0557	.00038	.009	.0005	.00054
%RSD	.15925	.47115	.20471	.10304	.78252	.62976	.02500	.03153	3.0267
#1	.08987	.33017	133.77	6.0515	7.1536	.06023	37.467	1.7085	.01741
#2	.09007	.33238	134.16	6.0603	7.0748	.05969	37.454	1.7093	.01817
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	**2.2010**	**.13861**	**.57362**	**7.141**	**.00463**	**.00666**	**18.739**	**.04706**	**1.4385**
Stddev	.0076	.00141	.00206	.008	.00274	.00061	.100	.00079	.0022
%RSD	.34434	1.0187	.35972	.1133	59.085	9.0877	.53179	1.6736	.15522
#1	2.1956	.13761	.57508	7.147	.00657	.00709	18.809	.04650	1.4400
#2	2.2063	.13961	.57216	7.136	.00270	.00623	18.668	.04761	1.4369
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	**1.2630**	**-.00296**	**.13968**	**.42123**
Stddev	.0083	.00423	.00114	.00236
%RSD	.65295	142.80	.81473	.55999
#1	1.2688	-.00595	.14048	.41956
#2	1.2572	.00003	.13887	.42290
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	**1750.5**	**2821.6**	**24645.**	**4807.7**
Stddev	.5	5.8	45.	.4
%RSD	.02939	.20430	.18228	.00776
#1	1750.1	2825.6	24677.	4807.5
#2	1750.9	2817.5	24613.	4808.0

Sample Name: CCV Acquired: 4/10/2012 23:46:42 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	Be3130	Ca3179	Cd2288	Co2286	Cr2677	Cu3247	Fe2599	K_7664
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.45674	22.894	.51681	.50802	.46098	.47892	22.702	.51554	.47856	.48451	.48211	24.115	23.992
Stddev	.00546	.028	.00033	.00093	.00200	.00132	.077	.00094	.00052	.00544	.00506	.124	.147
%RSD	1.1953	.12158	.06396	.18291	.43363	.27496	.34136	.18217	.10799	1.1235	1.0505	.51237	.61461
#1	.45288	22.914	.51704	.50736	.46240	.47985	22.757	.51488	.47892	.48066	.47853	24.203	24.097
#2	.46060	22.875	.51657	.50867	.45957	.47799	22.647	.51620	.47819	.48836	.48569	24.028	23.888
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	23.797	.46462	25.423	.51441	.51987	23.524	.48989	.49204	25.71	.51149	.51598	22.507	.49399
Stddev	.265	.00299	.133	.00062	.00043	.051	.00059	.00027	.00	.00397	.00163	.053	.00132
%RSD	1.1119	.64437	.52403	.12005	.08353	.21475	.11948	.05580	.0037	.77648	.31530	.23486	.26651
#1	23.610	.46674	25.328	.51397	.51956	23.560	.48947	.49223	25.71	.50868	.51483	22.470	.49492
#2	23.984	.46250	25.517	.51484	.52017	23.488	.49030	.49184	25.72	.51430	.51713	22.545	.49306
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	.48669	.48866	.51774	.47512	.48970
Stddev	.00355	.00143	.00094	.00347	.00184
%RSD	.72845	.29226	.18160	.73045	.37594
#1	.48920	.48765	.51708	.47267	.48839
#2	.48419	.48967	.51841	.47757	.49100
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	1989.5	2942.5	25760.	4808.1
Stddev	.5	12.3	175.	42.6
%RSD	.02558	.41763	.68098	.88550
#1	1989.9	2951.2	25884.	4778.0
#2	1989.2	2933.8	25636.	4838.2

Sample Name: CCB Acquired: 4/10/2012 23:48:53 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	**-.00079**	**-.01255**	**.00217**	**.00113**	**.00003**	**.00009**	**.00505**	**.00021**	**-.00021**	**.00070**	**.00200**	**.00089**	**.00757**
Stddev	.00055	.00354	.00120	.00019	.00000	.00015	.00602	.00000	.00052	.00064	.00003	.00538	.01038
%RSD	69.256	28.223	55.223	16.705	2.7266	164.28	119.14	.52997	244.42	91.631	1.4809	602.31	137.17
#1	-.00040	-.01005	.00132	.00126	.00002	-.00001	.00931	.00021	.00015	.00025	.00202	.00469	.01491
#2	-.00118	-.01506	.00301	.00099	.00003	.00019	.00080	.00021	-.00058	.00116	.00198	-.00291	.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	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	**.00145**	**-.00111**	**-.00036**	**-.00003**	**.00005**	**-.00269**	**.00044**	**-.00045**	**-.0014**	**-.00343**	**-.00183**	**.03992**	**-.00070**
Stddev	.00028	.00033	.00200	.00020	.00002	.01315	.00050	.00017	.0008	.00170	.00363	.01853	.00004
%RSD	19.046	29.461	556.14	586.26	42.550	488.80	113.50	38.278	56.86	49.631	198.32	46.421	5.9631
#1	.00165	-.00134	-.00177	.00011	.00003	-.01199	.00009	-.00057	-.0008	-.00464	-.00439	.05302	-.00073
#2	.00126	-.00088	.00105	-.00018	.00006	.00661	.00079	-.00033	-.0020	-.00223	.00074	.02681	-.00067
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**	**-.00042**	**-.00123**	**-.00047**	**-.00127**
Stddev	.00010	.00013	.00206	.00065	.00138
%RSD	994.52	31.451	166.94	136.98	109.00
#1	.00006	-.00051	.00022	-.00093	-.00225
#2	-.00008	-.00033	-.00269	-.00001	-.00029
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	**2134.4**	**2994.3**	**26731.**	**4826.5**
Stddev	.5	.1	67.	20.4
%RSD	.02524	.00302	.24988	.42364
#1	2134.0	2994.3	26683.	4840.9
#2	2134.7	2994.4	26778.	4812.0

Sample Name: 480-18292-A-8-A Acquired: 4/10/2012 23:51:11 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	**-.00015**	**28.607**	**.29714**	**.05524**	**.30267**	**.00195**	**78.970**	**.00123**	**.03042**
Stddev	.00055	.062	.00410	.00058	.00024	.00009	.294	.00020	.00033
%RSD	363.99	.21651	1.3807	1.0570	.07834	4.6420	.37184	16.584	1.0748
#1	-.00054	28.651	.30004	.05566	.30284	.00189	79.178	.00109	.03065
#2	.00024	28.563	.29424	.05483	.30250	.00201	78.763	.00138	.03019
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	**.07945**	**.19460**	**187.51**	**5.8987**	**5.7597**	**.04376**	**26.462**	**1.4749**	**.01499**
Stddev	.00135	.00077	.02	.0367	.0800	.00072	.014	.0002	.00013
%RSD	1.7011	.39745	.01205	.62214	1.3899	1.6354	.05112	.01052	.89545
#1	.08040	.19405	187.49	5.9247	5.8163	.04427	26.453	1.4750	.01509
#2	.07849	.19514	187.53	5.8728	5.7031	.04326	26.472	1.4748	.01490
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	**3.3455**	**.08535**	**.34216**	**15.23**	**-.00337**	**.01346**	**16.126**	**.04043**	**.31067**
Stddev	.0141	.00193	.00008	.05	.00018	.00172	.083	.00078	.00189
%RSD	.42310	2.2582	.02456	.3169	5.2034	12.784	.51496	1.9358	.60945
#1	3.3555	.08671	.34210	15.26	-.00324	.01467	16.184	.04099	.31201
#2	3.3355	.08398	.34222	15.19	-.00349	.01224	16.067	.03988	.30933
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	**.73819**	**-.00046**	**.14589**	**.29847**
Stddev	.00947	.00124	.00142	.00135
%RSD	1.2827	268.99	.97561	.45087
#1	.73150	.00042	.14690	.29752
#2	.74489	-.00134	.14489	.29942
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	**1881.8**	**2860.1**	**25454.**	**4831.7**
Stddev	6.3	7.1	52.	54.4
%RSD	.33362	.24977	.20496	1.1260
#1	1877.4	2855.1	25418.	4793.3
#2	1886.3	2865.2	25491.	4870.2

Sample Name: 480-18292-A-9-C Acquired: 4/10/2012 23:53:28 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	Ba4554-2	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	**-.00142**	**54.047**	**.05440**	**.03309**	**.19466**	**.00133**	**23.645**	**.00156**	**.01591**
Stddev	.00199	.375	.00529	.00005	.00034	.00003	.019	.00015	.00003
%RSD	140.34	.69403	9.7327	.16005	.17537	2.0308	.08081	9.7640	.20740
#1	-.00282	53.782	.05815	.03305	.19490	.00135	23.659	.00167	.01589
#2	-.00001	54.312	.05066	.03313	.19442	.00131	23.632	.00145	.01593
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	**.08745**	**.11838**	**80.531**	**3.6887**	**3.4299**	**.03204**	**6.6829**	**1.3521**	**.00783**
Stddev	.00026	.00057	.131	.0246	.0359	.00032	.0717	.0081	.00064
%RSD	.30129	.48198	.16217	.66572	1.0471	.99441	1.0735	.59897	8.2061
#1	.08764	.11878	80.623	3.6714	3.4045	.03182	6.7337	1.3578	.00829
#2	.08726	.11797	80.438	3.7061	3.4553	.03227	6.6322	1.3464	.00738
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	**2.2866**	**.07601**	**.17253**	**2.466**	**-.00444**	**.00078**	**16.087**	**.02508**	**.15620**
Stddev	.0210	.00052	.00234	.010	.00019	.00390	.111	.00030	.00055
%RSD	.91669	.68819	1.3581	.4100	4.2507	503.29	.69075	1.2045	.34988
#1	2.2717	.07638	.17419	2.473	-.00457	.00354	16.008	.02487	.15581
#2	2.3014	.07564	.17087	2.459	-.00430	-.00198	16.165	.02530	.15659
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	**.86489**	**-.00211**	**.11874**	**.15548**
Stddev	.00904	.00004	.00036	.00039
%RSD	1.0456	2.0346	.30429	.25190
#1	.87128	-.00208	.11848	.15575
#2	.85850	-.00214	.11899	.15520
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	**1981.1**	**2918.7**	**26102.**	**4869.4**
Stddev	4.3	1.9	180.	5.4
%RSD	.21725	.06635	.68946	.11052
#1	1978.1	2917.3	25975.	4873.2
#2	1984.2	2920.0	26229.	4865.6

Sample Name: 480-18292-A-10-A Acquired: 4/10/2012 23:55:43 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	**-.00046**	**43.764**	**.14301**	**.03244**	**.30819**	**.00179**	**31.094**	**.00119**	**.02085**
Stddev	.00088	.008	.00176	.00033	.00016	.00010	.096	.00010	.00025
%RSD	192.25	.01830	1.2340	1.0131	.05327	5.7512	.30744	8.1671	1.1962
#1	.00016	43.769	.14176	.03220	.30807	.00172	31.161	.00112	.02103
#2	-.00108	43.758	.14426	.03267	.30830	.00187	31.026	.00126	.02068
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	**.07854**	**.16604**	**107.96**	**4.3841**	**4.1301**	**.03681**	**9.1984**	**1.0111**	**.00951**
Stddev	.00079	.00004	.33	.0024	.0063	.00004	.0157	.0018	.00016
%RSD	1.0070	.02256	.30915	.05400	.15179	.11529	.17071	.18049	1.7340
#1	.07910	.16601	108.19	4.3857	4.1257	.03684	9.1873	1.0098	.00962
#2	.07798	.16607	107.72	4.3824	4.1345	.03678	9.2095	1.0124	.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	**2.3241**	**.06865**	**.41540**	**4.404**	**-.00234**	**.00768**	**16.987**	**.02710**	**.19934**
Stddev	.0023	.00084	.00293	.032	.00352	.00322	.027	.00003	.00047
%RSD	.10025	1.2289	.70489	.7269	150.26	41.965	.15802	.11190	.23349
#1	2.3258	.06925	.41747	4.427	-.00483	.00996	17.006	.02708	.19901
#2	2.3225	.06806	.41333	4.381	.00015	.00540	16.968	.02712	.19967
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	**.81462**	**.00167**	**.10989**	**.25502**
Stddev	.00333	.00048	.00083	.00045
%RSD	.40888	28.756	.75557	.17800
#1	.81698	.00201	.10931	.25534
#2	.81227	.00133	.11048	.25470
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	**1963.7**	**2906.4**	**26065.**	**4814.3**
Stddev	6.8	5.4	55.	12.7
%RSD	.34410	.18644	.21075	.26427
#1	1968.4	2910.3	26104.	4805.3
#2	1958.9	2902.6	26026.	4823.3

Sample Name: 480-18292-A-11-A Acquired: 4/10/2012 23:57:59 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	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	**-.00043**	**35.329**	**.09367**	**.13230**	**.60992**	**.00275**	**316.22**	**.00255**	**.03283**
Stddev	.00084	.090	.00172	.00179	.00001	.00008	.51	.00019	.00013
%RSD	197.35	.25424	1.8402	1.3512	.00204	3.0173	.16026	7.4934	.41111
#1	-.00102	35.392	.09245	.13357	.60992	.00269	316.58	.00268	.03292
#2	.00017	35.265	.09489	.13104	.60993	.00281	315.86	.00241	.03273
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	**.10170**	**.31230**	**130.07**	**5.6047**	**6.9720**	**.04691**	**181.87**	**1.8797**	**.01631**
Stddev	.00086	.00183	.27	.0173	.0575	.00167	.09	.0026	.00029
%RSD	.84963	.58447	.20449	.30887	.82490	3.5496	.04740	.13938	1.8004
#1	.10109	.31101	129.89	5.6169	7.0127	.04573	181.93	1.8779	.01610
#2	.10231	.31359	130.26	5.5924	6.9314	.04809	181.81	1.8816	.01652
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	**1.7884**	**.12120**	**.45901**	**6.797**	**.00145**	**.00317**	**18.325**	**.03933**	**.93746**
Stddev	.0141	.00239	.00009	.026	.00340	.00432	.218	.00022	.00206
%RSD	.79137	1.9692	.01936	.3906	234.34	136.36	1.1912	.55494	.21922
#1	1.7784	.12289	.45907	6.816	.00385	.00011	18.170	.03918	.93600
#2	1.7984	.11951	.45894	6.779	-.00095	.00622	18.479	.03949	.93891
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	**1.0273**	**-.00073**	**.12328**	**.34830**
Stddev	.0007	.00264	.00024	.00092
%RSD	.06386	362.22	.19440	.26278
#1	1.0268	-.00259	.12345	.34894
#2	1.0278	.00114	.12311	.34765
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	**1706.2**	**2697.0**	**24198.**	**4646.3**
Stddev	3.1	12.2	131.	12.2
%RSD	.17992	.45268	.54051	.26241
#1	1704.0	2688.3	24291.	4637.7
#2	1708.3	2705.6	24106.	4654.9

Sample Name: 480-18256-A-2-B Acquired: 4/11/2012 0:00:17 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	**.00074**	**.03628**	**.00437**	**.00055**	**.00165**	**-.00005**	**.16333**	**.00042**	**.00276**
Stddev	.00078	.00422	.00309	.00005	.00001	.00017	.00909	.00008	.00004
%RSD	104.93	11.627	70.646	9.4574	.32721	356.78	5.5627	20.276	1.4201
#1	.00019	.03329	.00655	.00052	.00164	-.00017	.16975	.00048	.00279
#2	.00130	.03926	.00219	.00059	.00165	.00007	.15690	.00036	.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	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	**.00713**	**.03799**	**.30150**	**.00283**	**.03196**	**-.00049**	**.00807**	**.00460**	**.00138**
Stddev	.00035	.00069	.01678	.02813	.00010	.00184	.00672	.00011	.00029
%RSD	4.9313	1.8060	5.5659	995.29	.31609	375.41	83.274	2.3002	21.165
#1	.00688	.03750	.31337	.02272	.03189	-.00179	.00332	.00467	.00117
#2	.00738	.03847	.28963	-.01707	.03203	.00081	.01282	.00452	.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	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	**.01806**	**.00876**	**.00710**	**6.844**	**-.00115**	**-.00174**	**.06234**	**.02284**	**.00049**
Stddev	.00425	.00001	.00276	.002	.00226	.00436	.01844	.00016	.00038
%RSD	23.538	.09551	38.881	.0270	195.84	250.00	29.576	.68702	76.269
#1	.01506	.00876	.00905	6.845	-.00275	.00134	.07538	.02295	.00076
#2	.02107	.00877	.00515	6.843	.00044	-.00483	.04930	.02273	.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	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	**.00022**	**-.00153**	**-.00052**	**.04910**
Stddev	.00011	.00227	.00021	.00063
%RSD	52.310	148.86	39.656	1.2732
#1	.00030	.00008	-.00067	.04954
#2	.00014	-.00314	-.00038	.04866
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	**2109.9**	**2881.5**	**26484.**	**4720.8**
Stddev	.9	2.1	146.	18.1
%RSD	.04361	.07214	.55166	.38245
#1	2110.5	2883.0	26380.	4708.1
#2	2109.2	2880.1	26587.	4733.6

Sample Name: 480-18106-A-6-B Acquired: 4/11/2012 0:02:36 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	**.00014**	**-.00467**	**.00788**	**4.2940**	**.03098**	**-.00018**	**891.15**	**.00142**	**.00062**
Stddev	.00140	.02690	.00255	.0369	.00010	.00005	4.22	.00016	.00066
%RSD	1001.4	575.79	32.352	.85883	.32415	29.415	.47327	11.494	106.70
#1	-.00085	-.02369	.00968	4.3201	.03105	-.00022	888.17	.00153	.00109
#2	.00113	.01435	.00607	4.2679	.03091	-.00015	894.13	.00130	.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	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	**.00334**	**.00448**	**80.004**	**44.550**	**72.554**	**.34672**	**244.52**	**.57092**	**.00001**
Stddev	.00050	.00052	.182	.000	.282	.00238	.37	.00007	.00009
%RSD	14.991	11.541	.22705	.00083	.38866	.68628	.15194	.01235	888.94
#1	.00369	.00485	80.133	44.550	72.355	.34504	244.26	.57087	-.00006
#2	.00298	.00411	79.876	44.550	72.753	.34841	244.79	.57097	.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	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	**1009.9**	**.01042**	**.00404**	F **434.9**	**-.00743**	**-.00903**	**12.329**	**.00142**	F **10.970**
Stddev	.3	.00001	.00344	5.1	.00126	.00398	.018	.00006	.015
%RSD	.03280	.09334	85.170	1.168	17.026	44.124	.14784	4.0556	.13975
#1	1009.6	.01042	.00161	438.5	-.00653	-.01185	12.316	.00138	10.981
#2	1010.1	.01041	.00648	431.3	-.00832	-.00621	12.342	.00146	10.959
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail
High Limit				25.00					10.000
Low Limit				-.0100					-.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	**.00527**	**-.00366**	**.00452**	**-.00139**
Stddev	.00017	.00385	.00013	.00012
%RSD	3.3009	105.04	2.7963	8.3654
#1	.00514	-.00638	.00443	-.00147
#2	.00539	-.00094	.00460	-.00131
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	**1465.5**	**2443.3**	**21357.**	**4433.0**
Stddev	7.4	6.6	10.	26.9
%RSD	.50252	.26968	.04835	.60574
#1	1460.3	2438.6	21364.	4452.0
#2	1470.7	2448.0	21349.	4414.0

Sample Name: 480-18106-A-11-A Acquired: 4/11/2012 0:05:15 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	**-.00135**	**.00043**	**.00615**	**2.4521**	**.01755**	**-.00006**	**724.13**	**.00143**	**.00024**
Stddev	.00064	.04249	.00124	.0215	.00011	.00020	.14	.00021	.00046
%RSD	47.054	9899.1	20.123	.87734	.64508	336.23	.01939	14.863	193.61
#1	-.00090	-.02961	.00527	2.4674	.01763	.00008	724.23	.00158	-.00009
#2	-.00180	.03047	.00702	2.4369	.01747	-.00020	724.03	.00128	.00057
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	**.00647**	**.00404**	**7.9875**	**38.612**	**60.522**	**.18807**	**238.39**	**.41190**	**.00053**
Stddev	.00029	.00022	.0497	.010	.809	.00020	.17	.00081	.00039
%RSD	4.5342	5.3669	.62278	.02603	1.3372	.10692	.07021	.19741	75.105
#1	.00626	.00388	7.9523	38.605	61.095	.18793	238.51	.41247	.00025
#2	.00668	.00419	8.0227	38.619	59.950	.18821	238.27	.41132	.00080
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	**561.48**	**.01167**	**.00458**	F **404.5**	**-.00389**	**-.00752**	**20.572**	**-.00012**	**9.0414**
Stddev	1.05	.00097	.00087	2.0	.00044	.00021	.048	.00039	.0031
%RSD	.18685	8.3067	19.067	.4963	11.249	2.7695	.23212	323.93	.03378
#1	562.22	.01236	.00396	406.0	-.00358	-.00738	20.606	-.00039	9.0435
#2	560.74	.01099	.00520	403.1	-.00420	-.00767	20.538	.00015	9.0392
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	**.00439**	**-.00367**	**.00056**	**-.00069**
Stddev	.00017	.00398	.00037	.00015
%RSD	3.9849	108.63	66.176	21.804
#1	.00451	-.00649	.00030	-.00080
#2	.00426	-.00085	.00082	-.00059
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	**1547.8**	**2482.0**	**21859.**	**4474.5**
Stddev	2.7	1.9	4.	11.5
%RSD	.17153	.07586	.01719	.25634
#1	1546.0	2483.4	21861.	4466.4
#2	1549.7	2480.7	21856.	4482.7

Sample Name: 480-18106-A-12-A Acquired: 4/11/2012 0:07:49 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	**-.00003**	**-.02595**	**.00454**	**2.4111**	**.01711**	**-.00013**	**696.13**	**.00113**	**.00016**
Stddev	.00024	.05368	.00316	.0149	.00009	.00010	7.61	.00038	.00001
%RSD	906.77	206.87	69.652	.61975	.53965	79.420	1.0929	33.427	7.6442
#1	.00014	.01201	.00678	2.4217	.01705	-.00020	701.51	.00139	.00017
#2	-.00020	-.06391	.00231	2.4005	.01718	-.00006	690.75	.00086	.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	**.00513**	**.00280**	**7.7238**	**37.776**	**58.595**	**.18255**	**234.14**	**.40239**	**.00013**
Stddev	.00134	.00003	.0604	.081	.325	.00080	.50	.00032	.00039
%RSD	26.137	1.1632	.78222	.21515	.55422	.43589	.21232	.07956	310.40
#1	.00608	.00278	7.6811	37.718	58.366	.18199	234.49	.40216	-.00015
#2	.00419	.00282	7.7665	37.833	58.825	.18312	233.79	.40261	.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	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	**550.62**	**.01129**	**.00245**	F **400.4**	**-.00226**	**-.00191**	**19.934**	**-.00090**	**8.8433**
Stddev	.07	.00110	.00127	3.0	.00093	.00358	.056	.00083	.0042
%RSD	.01255	9.7665	51.815	.7530	41.102	187.17	.28026	93.067	.04764
#1	550.67	.01207	.00155	402.5	-.00291	-.00444	19.895	-.00031	8.8403
#2	550.57	.01051	.00335	398.2	-.00160	.00062	19.974	-.00148	8.8462
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	**.00319**	**-.00035**	**.00098**	**-.00149**
Stddev	.00064	.00361	.00025	.00036
%RSD	19.989	1026.0	24.957	24.108
#1	.00273	-.00290	.00116	-.00124
#2	.00364	.00220	.00081	-.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	**1546.4**	**2486.7**	**22010.**	**4519.0**
Stddev	1.7	3.4	21.	1.6
%RSD	.10792	.13868	.09381	.03450
#1	1545.2	2484.3	21996.	4517.9
#2	1547.6	2489.2	22025.	4520.1

Sample Name: MB 480-58146/27-B Acquired: 4/11/2012 0:10:17 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	**-.00009**	**-.00204**	**-.00042**	**.00953**	**.00002**	**.00005**	**.09734**	**.00011**	**-.00019**
Stddev	.00034	.01526	.00310	.00061	.00002	.00002	.00877	.00013	.00009
%RSD	364.47	747.74	735.69	6.3893	103.24	43.866	9.0109	122.76	49.856
#1	-.00033	.00875	.00177	.00996	.00001	.00003	.10355	.00001	-.00025
#2	.00015	-.01283	-.00261	.00910	.00003	.00006	.09114	.00020	-.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	**.00039**	**.00155**	**.01255**	**-.01913**	**.00387**	**-.00051**	**.00337**	**.00032**	**-.00011**
Stddev	.00071	.00062	.00127	.01826	.00037	.00148	.00038	.00009	.00008
%RSD	179.57	39.970	10.081	95.449	9.6631	288.64	11.362	28.980	76.611
#1	.00089	.00198	.01345	-.03204	.00413	.00054	.00364	.00039	-.00005
#2	-.00011	.00111	.01166	-.00622	.00360	-.00156	.00310	.00025	-.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	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	**.11224**	**.00138**	**.00033**	F **.0345**	**-.00371**	**-.00208**	**.05331**	**-.00109**	**.00085**
Stddev	.00701	.00063	.00176	.0064	.00055	.00070	.02123	.00032	.00015
%RSD	6.2497	45.482	528.78	18.46	14.675	33.349	39.830	28.848	17.412
#1	.11720	.00183	-.00091	.0390	-.00410	-.00159	.03830	-.00087	.00095
#2	.10728	.00094	.00157	.0300	-.00333	-.00258	.06833	-.00132	.00074
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	**.00002**	**.00140**	**.00002**	**-.00146**
Stddev	.00060	.00006	.00031	.00092
%RSD	2813.9	4.2123	2043.3	62.826
#1	-.00040	.00145	-.00020	-.00081
#2	.00044	.00136	.00024	-.00211
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	**2121.6**	**2934.7**	**26423.**	**4718.8**
Stddev	4.3	6.6	67.	44.9
%RSD	.20095	.22384	.25175	.95065
#1	2118.6	2930.1	26376.	4687.1
#2	2124.7	2939.4	26470.	4750.5

Sample Name: LCS 480-58146/28-B Acquired: 4/11/2012 0:12:32 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	**.04686**	**9.4343**	**.20032**	**.21394**	**.19446**	**.19716**	**9.0232**	**.20449**	**.19018**
Stddev	.00057	.0508	.00264	.00151	.00054	.00136	.0392	.00090	.00034
%RSD	1.2060	.53864	1.3176	.70459	.27885	.68860	.43455	.43793	.17622
#1	.04726	9.3984	.20218	.21501	.19407	.19812	9.0509	.20513	.18994
#2	.04646	9.4702	.19845	.21288	.19484	.19620	8.9955	.20386	.19041
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	**.19259**	**.19500**	**9.3703**	**9.7162**	**8.7552**	**.19295**	**9.8170**	**.20064**	**.20882**
Stddev	.00001	.00058	.0946	.0318	.1320	.00149	.0481	.00066	.00207
%RSD	.00488	.29714	1.0100	.32758	1.5075	.77210	.48943	.33015	.99288
#1	.19260	.19541	9.4372	9.6937	8.6619	.19401	9.7830	.20018	.21029
#2	.19258	.19459	9.3034	9.7387	8.8486	.19190	9.8510	.20111	.20736
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	**9.6879**	**.18722**	**.19315**	F **.0136**	**.20215**	**.20111**	**9.2758**	**.19134**	**.20029**
Stddev	.0078	.00000	.00064	.0031	.00013	.00263	.0057	.00012	.00024
%RSD	.08087	.00084	.33129	22.66	.06441	1.3088	.06131	.06346	.12145
#1	9.6934	.18722	.19361	.0158	.20224	.19924	9.2718	.19142	.20046
#2	9.6823	.18722	.19270	.0114	.20206	.20297	9.2798	.19125	.20012
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	**.18803**	**.20049**	**.18870**	**.19818**
Stddev	.00030	.00253	.00171	.00057
%RSD	.15843	1.2597	.90431	.28793
#1	.18782	.19870	.18750	.19859
#2	.18824	.20227	.18991	.19778
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	**2029.2**	**2918.0**	**25695.**	**4688.7**
Stddev	.1	12.2	158.	27.6
%RSD	.00478	.41671	.61374	.58826
#1	2029.2	2909.4	25806.	4669.2
#2	2029.1	2926.6	25583.	4708.2

Sample Name: CCV Acquired: 4/11/2012 0:14:49 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	**.47429**	**23.631**	**.50853**	**.50968**	**.47956**	**.47716**	**23.124**	**.51715**	**.47947**	**.48636**	**.49186**	**23.894**	**24.505**
Stddev	.00537	.038	.00234	.00017	.00221	.00168	.072	.00070	.00007	.00294	.00351	.008	.057
%RSD	1.1313	.16263	.45939	.03258	.46065	.35218	.30992	.13574	.01398	.60393	.71350	.03436	.23383
#1	.47808	23.658	.50688	.50957	.47800	.47835	23.073	.51765	.47943	.48844	.49435	23.899	24.545
#2	.47049	23.604	.51019	.50980	.48112	.47597	23.174	.51665	.47952	.48428	.48938	23.888	24.464
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	**24.266**	**.48617**	**24.942**	**.50417**	**.51808**	**24.331**	**.48190**	**.48567**	**25.44**	**.50947**	**.50488**	**23.084**	**.49254**
Stddev	.259	.00255	.015	.00120	.00009	.013	.00067	.00051	.03	.00192	.00781	.225	.00309
%RSD	1.0666	.52539	.05932	.23824	.01677	.05201	.13826	.10429	.1048	.37724	1.5472	.97433	.62768
#1	24.449	.48436	24.953	.50332	.51814	24.340	.48237	.48603	25.46	.51083	.51041	22.925	.49473
#2	24.083	.48797	24.932	.50502	.51801	24.322	.48143	.48531	25.42	.50811	.49936	23.243	.49036
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	**.49324**	**.48719**	**.50812**	**.48419**	**.47543**
Stddev	.00102	.00149	.00228	.00192	.00148
%RSD	.20602	.30586	.44928	.39645	.31229
#1	.49395	.48824	.50974	.48555	.47438
#2	.49252	.48614	.50651	.48283	.47648
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	**1953.9**	**2896.1**	**25178.**	**4658.7**
Stddev	1.5	5.0	27.	14.7
%RSD	.07661	.17433	.10875	.31534
#1	1952.9	2892.6	25159.	4648.3
#2	1955.0	2899.7	25198.	4669.1

Sample Name: CCB Acquired: 4/11/2012 0:17:01 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	**-.00061**	**-.00238**	**.00249**	**.00182**	**.00006**	**-.00008**	**.01430**	**.00019**	**-.00014**	**.00001**	**.00123**	**.00465**	**-.01295**
Stddev	.00080	.08292	.00079	.00018	.00001	.00010	.00005	.00007	.00035	.00051	.00028	.00251	.02671
%RSD	132.47	3482.0	31.764	9.7649	11.637	120.40	.34297	38.752	244.70	4177.7	22.885	54.011	206.24
#1	-.00004	.05625	.00193	.00170	.00005	-.00001	.01433	.00014	-.00039	.00038	.00103	.00287	.00594
#2	-.00117	-.06101	.00305	.00195	.00006	-.00015	.01426	.00024	.00011	-.00035	.00142	.00642	-.03184
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	**.00199**	**-.00052**	**.00405**	**.00003**	**-.00001**	**.01700**	**.00028**	**.00067**	F **.0062**	**-.00084**	**-.00786**	**.02499**	**.00009**
Stddev	.00022	.00032	.01090	.00011	.00001	.00011	.00087	.00273	.0034	.00079	.00193	.04174	.00002
%RSD	10.996	61.538	269.06	317.82	131.04	.66251	315.32	407.10	54.31	94.365	24.602	167.04	24.641
#1	.00184	-.00029	-.00366	.00011	-.00002	.01708	.00090	.00260	.0086	-.00028	-.00649	-.00453	.00011
#2	.00215	-.00074	.01176	-.00004	.00000	.01692	-.00034	-.00126	.0038	-.00140	-.00923	.05451	.00008
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**	**-.00017**	**-.00138**	**-.00009**	**-.00082**
Stddev	.00008	.00103	.00201	.00070	.00086
%RSD	180.57	592.17	145.32	780.19	104.36
#1	-.00001	-.00090	-.00280	.00040	-.00143
#2	.00010	.00055	.00004	-.00058	-.00022
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	**2088.4**	**2917.1**	**25935.**	**4647.3**
Stddev	2.5	.3	4.	6.2
%RSD	.12031	.01053	.01431	.13307
#1	2086.6	2916.9	25938.	4642.9
#2	2090.2	2917.3	25933.	4651.6

Sample Name: 480-17969-G-1-B Acquired: 4/11/2012 0:19:20 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	**-.00013**	**.01318**	**.00181**	**.02180**	**.12756**	**-.00011**	**134.95**	**.00041**	**-.00012**
Stddev	.00101	.04877	.00179	.00042	.00111	.00001	.45	.00011	.00029
%RSD	770.92	370.09	98.906	1.9194	.86814	9.2545	.33068	27.177	244.31
#1	-.00084	.04767	.00055	.02150	.12678	-.00012	135.27	.00049	-.00033
#2	.00058	-.02131	.00308	.02210	.12835	-.00011	134.64	.00033	.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	**.00178**	**.00202**	**.02333**	**2.9145**	**3.2112**	**.00763**	**43.797**	**.00428**	**.00051**
Stddev	.00064	.00015	.00387	.0150	.0031	.00045	.200	.00024	.00019
%RSD	35.910	7.2599	16.578	.51540	.09724	5.8423	.45728	5.5249	37.153
#1	.00133	.00191	.02060	2.9039	3.2134	.00732	43.655	.00411	.00038
#2	.00223	.00212	.02607	2.9251	3.2090	.00795	43.938	.00445	.00065
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	**13.179**	**.00060**	**.00140**	**4.360**	**-.00280**	**-.00156**	**13.706**	**-.00144**	**.56056**
Stddev	.001	.00027	.00058	.010	.00003	.00138	.035	.00111	.00124
%RSD	.00930	44.908	41.686	.2215	.95691	88.427	.25737	76.827	.22174
#1	13.178	.00080	.00099	4.353	-.00278	-.00058	13.681	-.00222	.55968
#2	13.180	.00041	.00181	4.367	-.00282	-.00253	13.731	-.00066	.56144
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	**.00138**	**.00102**	**.00008**	**-.00185**
Stddev	.00044	.00161	.00013	.00025
%RSD	31.697	159.03	157.48	13.674
#1	.00107	.00216	-.00001	-.00203
#2	.00169	-.00013	.00018	-.00167
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	**1899.5**	**2806.8**	**24836.**	**4665.8**
Stddev	1.1	.7	86.	30.8
%RSD	.05842	.02595	.34485	.65952
#1	1898.8	2807.4	24896.	4644.1
#2	1900.3	2806.3	24775.	4687.6

Sample Name: 480-18214-3 DIS RAW Acquired: 4/11/2012 0:21:37 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	**-.00046**	**-.00055**	**.00568**	**.15967**	**.04181**	**-.00017**	**213.16**	**.00011**	**.00051**
Stddev	.00034	.02303	.00356	.00088	.00009	.00022	.98	.00022	.00005
%RSD	72.235	4164.9	62.714	.55280	.20505	127.87	.46168	207.33	9.4459
#1	-.00023	-.01683	.00316	.15905	.04187	-.00033	213.86	.00026	.00054
#2	-.00070	.01573	.00820	.16029	.04175	-.00002	212.47	-.00005	.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	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	**.00188**	**.00130**	**7.9169**	**6.0773**	**7.8121**	**.00175**	**54.942**	**.43911**	**.00208**
Stddev	.00001	.00005	.0077	.0059	.1002	.00088	.053	.00005	.00004
%RSD	.42040	3.5280	.09691	.09675	1.2826	50.439	.09578	.01072	2.0721
#1	.00188	.00133	7.9223	6.0815	7.8830	.00237	54.905	.43914	.00211
#2	.00187	.00126	7.9114	6.0732	7.7413	.00112	54.979	.43907	.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	**18.702**	**.00307**	**.00077**	F **142.4**	**-.00331**	**.00086**	**4.6571**	**-.00221**	**2.5919**
Stddev	.063	.00100	.00244	.7	.00024	.00339	.1203	.00066	.0136
%RSD	.33506	32.534	317.48	.4843	7.3049	394.76	2.5826	29.812	.52620
#1	18.746	.00378	-.00096	142.9	-.00348	-.00154	4.7422	-.00174	2.6016
#2	18.657	.00237	.00250	142.0	-.00314	.00326	4.5721	-.00268	2.5823
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	**.00197**	**.00186**	**.00094**	**-.00135**
Stddev	.00057	.00087	.00016	.00019
%RSD	28.691	47.050	17.075	14.466
#1	.00157	.00247	.00083	-.00121
#2	.00237	.00124	.00105	-.00148
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	**1929.7**	**2883.2**	**25222.**	**4773.8**
Stddev	4.3	7.6	85.	10.1
%RSD	.22441	.26438	.33798	.21117
#1	1932.8	2888.6	25282.	4766.6
#2	1926.6	2877.8	25162.	4780.9

Sample Name: 480-18219-4 DIS RAW Acquired: 4/11/2012 0:23:57 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	**.00050**	**.00230**	**.02296**	**.16175**	**.05604**	**-.00017**	**111.67**	**.00026**	**.00214**
Stddev	.00025	.01205	.00036	.00092	.00007	.00009	.46	.00015	.00011
%RSD	51.223	522.91	1.5497	.57139	.11988	49.389	.41260	57.444	5.1713
#1	.00032	.01083	.02271	.16241	.05599	-.00024	112.00	.00036	.00222
#2	.00068	-.00622	.02321	.16110	.05608	-.00011	111.35	.00015	.00206
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	**.00181**	**.00114**	**2.3900**	**3.6924**	**4.6359**	**.02258**	**61.035**	**.15178**	**.01553**
Stddev	.00038	.00055	.0108	.0105	.0912	.00146	.226	.00071	.00032
%RSD	20.930	47.922	.45240	.28443	1.9664	6.4857	.37095	.46656	2.0545
#1	.00207	.00153	2.3823	3.6850	4.7003	.02154	61.195	.15228	.01575
#2	.00154	.00076	2.3976	3.6998	4.5714	.02361	60.875	.15128	.01530
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	**24.635**	**.00532**	**.00319**	F **69.89**	**-.00276**	**.00040**	**6.1239**	**-.00189**	**.56715**
Stddev	.035	.00188	.00043	.73	.00127	.00363	.0432	.00074	.00111
%RSD	.14127	35.455	13.640	1.048	45.893	897.76	.70558	39.077	.19657
#1	24.660	.00665	.00350	70.41	-.00366	.00297	6.1545	-.00242	.56794
#2	24.611	.00398	.00288	69.37	-.00187	-.00216	6.0933	-.00137	.56636
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	**.00079**	**.00340**	**.00039**	**-.00162**
Stddev	.00083	.00147	.00034	.00048
%RSD	105.11	43.178	86.186	29.482
#1	.00138	.00236	.00015	-.00196
#2	.00020	.00444	.00063	-.00128
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	**1962.7**	**2917.1**	**25321.**	**4787.1**
Stddev	10.6	8.3	86.	22.4
%RSD	.53821	.28329	.33951	.46792
#1	1970.1	2923.0	25260.	4771.2
#2	1955.2	2911.3	25381.	4802.9

Sample Name: 480-18219-8 DIS RAW Acquired: 4/11/2012 0:26:11 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	**-.00058**	**-.01915**	**.02712**	**.23932**	**.01256**	**-.00002**	**261.38**	**.00018**	**-.00014**
Stddev	.00012	.03081	.00368	.00206	.00001	.00005	2.40	.00032	.00043
%RSD	20.757	160.92	13.565	.86211	.07290	253.01	.91728	179.41	303.44
#1	-.00050	.00264	.02972	.24078	.01256	.00002	263.08	.00041	-.00044
#2	-.00067	-.04094	.02452	.23786	.01255	-.00006	259.69	-.00005	.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	**.00107**	**.00146**	**6.4834**	**4.9745**	**6.6925**	**.06914**	**153.68**	**.06780**	**.01684**
Stddev	.00021	.00038	.0619	.0397	.0297	.00057	.93	.00015	.00053
%RSD	19.769	26.234	.95448	.79876	.44328	.83084	.60834	.22441	3.1503
#1	.00092	.00119	6.5272	5.0026	6.6716	.06955	153.02	.06791	.01721
#2	.00122	.00173	6.4397	4.9464	6.7135	.06874	154.34	.06769	.01646
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	**39.954**	**.00240**	**.00062**	F **315.9**	**-.00430**	**-.00054**	**10.790**	**-.00130**	**1.0721**
Stddev	.357	.00004	.00198	2.0	.00154	.01197	.139	.00016	.0104
%RSD	.89412	1.5989	316.86	.6338	35.852	2205.3	1.2900	12.004	.97117
#1	40.206	.00243	.00202	317.3	-.00321	-.00901	10.888	-.00141	1.0795
#2	39.701	.00237	-.00077	314.5	-.00538	.00792	10.691	-.00119	1.0648
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	**.00125**	**-.00051**	**.00013**	**.00169**
Stddev	.00001	.00444	.00036	.00019
%RSD	1.0399	864.30	281.23	11.349
#1	.00126	.00262	.00038	.00155
#2	.00124	-.00365	-.00013	.00182
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	**1852.5**	**2838.6**	**24633.**	**4797.9**
Stddev	4.6	5.0	1.	27.6
%RSD	.25019	.17474	.00513	.57507
#1	1855.7	2842.1	24633.	4778.4
#2	1849.2	2835.1	24632.	4817.4

Sample Name: MB 480-58460/1-A Acquired: 4/11/2012 0:28:21 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	**-.00039**	**-.01171**	**.00075**	**.00537**	**.00005**	**.00006**	**.05862**	**.00008**	**-.00043**
Stddev	.00086	.03407	.00070	.00017	.00001	.00008	.00193	.00005	.00007
%RSD	220.13	290.92	92.880	3.1612	13.347	144.96	3.2842	67.542	16.102
#1	.00022	-.03580	.00125	.00549	.00006	.00000	.05998	.00004	-.00038
#2	-.00100	.01238	.00026	.00525	.00005	.00011	.05726	.00012	-.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	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**	**.00095**	**.00673**	**-.00216**	**.00263**	**-.00094**	**.00277**	F **.00070**	**-.00007**
Stddev	.00062	.00061	.00351	.02451	.00035	.00062	.00401	.00005	.00002
%RSD	301.99	63.967	52.098	1135.4	13.348	66.045	144.65	7.6288	23.283
#1	.00064	.00138	.00921	-.01949	.00288	-.00050	-.00006	.00066	-.00006
#2	-.00023	.00052	.00425	.01517	.00238	-.00138	.00560	.00074	-.00008
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	**.02613**	**.00122**	**.00008**	F **.0347**	**-.00023**	**-.00521**	**.02010**	**-.00121**	**.00035**
Stddev	.00274	.00002	.00361	.0013	.00302	.00298	.03309	.00034	.00009
%RSD	10.478	1.8766	4730.1	3.834	1320.6	57.112	164.65	27.815	24.524
#1	.02419	.00124	.00263	.0337	.00191	-.00311	-.00330	-.00145	.00029
#2	.02806	.00120	-.00248	.0356	-.00236	-.00731	.04350	-.00097	.00042
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	**-.00033**	**.00076**	**-.00016**	**-.00072**
Stddev	.00001	.00083	.00057	.00021
%RSD	3.3146	109.04	355.17	28.751
#1	-.00034	.00017	.00024	-.00058
#2	-.00033	.00134	-.00056	-.00087
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	**2130.6**	**2987.6**	**26528.**	**4865.8**
Stddev	7.0	.8	105.	68.8
%RSD	.32974	.02709	.39403	1.4137
#1	2135.6	2988.1	26454.	4914.4
#2	2125.7	2987.0	26602.	4817.1

Sample Name: LCS 480-58460/2-A Acquired: 4/11/2012 0:30:37 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	**.04584**	**9.4430**	**.21095**	**.21626**	**.19449**	**.20350**	**9.2083**	**.20916**	**.19611**
Stddev	.00115	.0985	.00083	.00035	.00082	.00101	.0512	.00005	.00091
%RSD	2.5193	1.0427	.39555	.16324	.42403	.49564	.55569	.02578	.46633
#1	.04666	9.5126	.21036	.21601	.19508	.20421	9.2445	.20920	.19675
#2	.04502	9.3733	.21154	.21651	.19391	.20279	9.1721	.20912	.19546
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	**.19741**	**.19735**	**9.7139**	**9.7874**	**8.6773**	**.19185**	**10.211**	**.21062**	**.21443**
Stddev	.00176	.00084	.0775	.0313	.1344	.00026	.003	.00068	.00039
%RSD	.88989	.42546	.79800	.31932	1.5486	.13348	.03253	.32235	.18158
#1	.19865	.19794	9.7687	9.7653	8.7723	.19167	10.213	.21014	.21470
#2	.19616	.19675	9.6591	9.8095	8.5823	.19203	10.208	.21110	.21415
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	**9.6177**	**.19668**	**.20322**	F **.0117**	**.20770**	**.20601**	**9.3270**	**.18905**	**.20210**
Stddev	.0147	.00047	.00210	.0055	.00046	.00064	.0004	.00102	.00066
%RSD	.15273	.23821	1.0339	46.89	.22013	.30990	.00384	.54097	.32552
#1	9.6281	.19701	.20470	.0078	.20738	.20556	9.3267	.18977	.20256
#2	9.6074	.19635	.20173	.0156	.20802	.20646	9.3272	.18832	.20163
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	**.19791**	**.20711**	**.19180**	**.20571**
Stddev	.00049	.00175	.00101	.00125
%RSD	.24564	.84453	.52776	.60528
#1	.19757	.20588	.19109	.20483
#2	.19825	.20835	.19252	.20659
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	**2046.8**	**2951.5**	**25986.**	**4842.3**
Stddev	3.1	1.4	23.	43.2
%RSD	.15101	.04588	.08824	.89286
#1	2044.6	2950.6	26002.	4811.8
#2	2049.0	2952.5	25970.	4872.9

Sample Name: 480-18189-A-1-A Acquired: 4/11/2012 0:33:38 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	**-.00082**	**-.03632**	**.00316**	**.11670**	**.20799**	**-.00003**	**113.68**	**.00050**	**.00019**
Stddev	.00005	.02992	.00184	.00080	.00104	.00006	.28	.00020	.00002
%RSD	6.5822	82.379	58.201	.68392	.49987	189.87	.24442	40.185	10.758
#1	-.00086	-.05748	.00446	.11613	.20726	.00001	113.48	.00064	.00017
#2	-.00078	-.01516	.00186	.11726	.20873	-.00008	113.87	.00036	.00020
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**	**.00588**	**.02736**	**4.3457**	**6.3206**	**.01279**	**17.093**	**2.1803**	**.00094**
Stddev	.00109	.00019	.00366	.0246	.1150	.00057	.036	.0041	.00000
%RSD	268.47	3.2953	13.386	.56627	1.8199	4.4878	.20884	.18988	.15007
#1	-.00037	.00601	.02477	4.3283	6.2392	.01238	17.118	2.1774	.00094
#2	.00118	.00574	.02995	4.3631	6.4019	.01320	17.068	2.1832	.00094
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	**336.67**	**.00364**	**.00243**	F **26.91**	**-.00186**	**-.00880**	**4.3737**	**-.00059**	**.50236**
Stddev	.26	.00020	.00192	.11	.00078	.00132	.0141	.00051	.00031
%RSD	.07828	5.6238	78.813	.4156	41.750	15.019	.32128	85.812	.06232
#1	336.48	.00379	.00378	26.99	-.00241	-.00786	4.3837	-.00023	.50214
#2	336.86	.00350	.00108	26.83	-.00131	-.00973	4.3638	-.00095	.50258
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**	**-.00024**	**.00159**	**-.00102**
Stddev	.00038	.00229	.00043	.00056
%RSD	30.132	949.78	27.081	54.899
#1	.00155	.00138	.00128	-.00063
#2	.00100	-.00186	.00189	-.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	**1793.0**	**2765.5**	**24019.**	**4744.2**
Stddev	.7	2.6	38.	21.7
%RSD	.04079	.09225	.15875	.45636
#1	1792.4	2763.7	24046.	4759.6
#2	1793.5	2767.3	23992.	4728.9

Sample Name: 480-18189-A-2-A Acquired: 4/11/2012 0:36:46 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	**.00027**	**.01418**	**.00452**	**.10795**	**.17358**	**-.00009**	**115.82**	**.00052**	**.00012**
Stddev	.00025	.03236	.00196	.00105	.00104	.00003	.72	.00004	.00023
%RSD	91.359	228.14	43.261	.97316	.60182	39.134	.62058	8.2591	195.28
#1	.00044	-.00870	.00314	.10721	.17284	-.00011	116.33	.00055	.00028
#2	.00010	.03707	.00590	.10869	.17432	-.00006	115.32	.00049	-.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	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**	**.00803**	**.01088**	**3.8337**	**5.3691**	**.01198**	**17.138**	**2.1201**	**.00049**
Stddev	.00090	.00001	.00672	.0207	.0184	.00120	.093	.0083	.00022
%RSD	65.544	.16263	61.780	.54029	.34341	10.051	.54095	.39106	45.016
#1	.00074	.00802	.01563	3.8190	5.3821	.01113	17.072	2.1142	.00065
#2	.00202	.00804	.00613	3.8483	5.3560	.01284	17.203	2.1259	.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	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	**251.00**	**.00318**	**.00379**	**24.78**	**-.00088**	**-.00415**	**4.7881**	**-.00048**	**.49736**
Stddev	.95	.00125	.00253	.10	.00196	.00531	.0518	.00027	.00143
%RSD	.37695	39.461	66.830	.3860	223.36	128.01	1.0820	56.170	.28745
#1	251.67	.00406	.00200	24.84	-.00227	-.00790	4.8247	-.00029	.49837
#2	250.33	.00229	.00558	24.71	.00051	-.00039	4.7514	-.00066	.49635
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	**.00089**	**-.00211**	**.00131**	**.04921**
Stddev	.00008	.00223	.00024	.00083
%RSD	9.4906	105.78	18.323	1.6796
#1	.00083	-.00053	.00114	.04862
#2	.00095	-.00368	.00148	.04979
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	**1824.0**	**2767.6**	**24327.**	**4744.6**
Stddev	.8	.3	24.	39.3
%RSD	.04424	.01219	.10060	.82797
#1	1823.4	2767.8	24344.	4716.8
#2	1824.6	2767.3	24309.	4772.4

Sample Name: 480-18189-A-2-A SD@5 Acquired: 4/11/2012 0:39:32 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**	**-.01795**	**.00483**	**.05832**	**.09491**	**-.00008**	**62.988**	**.00016**	**-.00010**
Stddev	.00002	.01933	.00084	.00112	.00004	.00021	.124	.00008	.00015
%RSD	3.5919	107.67	17.480	1.9244	.03733	254.47	.19658	52.771	152.58
#1	-.00045	-.03162	.00423	.05911	.09493	.00007	63.075	.00010	-.00020
#2	-.00047	-.00428	.00543	.05753	.09488	-.00023	62.900	.00022	.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	**.00096**	**.00544**	**.00992**	**2.1022**	**2.5911**	**.00563**	**9.4624**	**1.1762**	**.00069**
Stddev	.00007	.00042	.00034	.0052	.0259	.00042	.0156	.0023	.00014
%RSD	7.5616	7.6861	3.4691	.24591	1.0001	7.4243	.16435	.19786	19.745
#1	.00091	.00514	.00968	2.1059	2.5727	.00593	9.4734	1.1779	.00060
#2	.00101	.00574	.01017	2.0986	2.6094	.00534	9.4515	1.1746	.00079
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	**137.38**	**.00170**	**.00071**	**13.23**	**-.00260**	**-.00193**	**2.6196**	**-.00097**	**.27486**
Stddev	.35	.00105	.00131	.09	.00180	.00147	.0387	.00010	.00107
%RSD	.25349	61.864	184.13	.6739	69.481	76.336	1.4783	9.9511	.39061
#1	137.63	.00244	.00164	13.29	-.00132	-.00089	2.5922	-.00104	.27562
#2	137.13	.00095	-.00022	13.16	-.00387	-.00297	2.6470	-.00090	.27410
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**	**-.00130**	**.00013**	**.02669**
Stddev	.00001	.00086	.00016	.00068
%RSD	1.6194	66.036	129.14	2.5611
#1	.00061	-.00191	.00024	.02621
#2	.00060	-.00069	.00001	.02718
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	**1904.0**	**2808.2**	**24836.**	**4739.3**
Stddev	1.8	3.1	94.	11.2
%RSD	.09373	.10883	.37749	.23648
#1	1905.2	2806.0	24770.	4747.2
#2	1902.7	2810.3	24902.	4731.4

Sample Name: 480-18189-A-2-A PDS Acquired: 4/11/2012 0:42:08 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	**.04833**	**9.8025**	**.23402**	**.33415**	**.36363**	**.20538**	**120.45**	**.22320**	**.20153**
Stddev	.00101	.0778	.00185	.00199	.00047	.00073	.40	.00126	.00016
%RSD	2.0964	.79403	.78900	.59511	.12932	.35489	.32854	.56289	.08067
#1	.04904	9.8575	.23532	.33555	.36330	.20590	120.73	.22409	.20142
#2	.04761	9.7475	.23271	.33274	.36397	.20487	120.17	.22231	.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	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	**.20199**	**.20745**	**9.7760**	**14.522**	**19.769**	**.21363**	**27.088**	**2.2300**	**.22174**
Stddev	.00002	.00007	.0074	.021	.252	.00311	.000	.0002	.00138
%RSD	.01111	.03610	.07602	.14273	1.2733	1.4580	.00019	.01064	.62112
#1	.20201	.20740	9.7708	14.537	19.591	.21583	27.088	2.2299	.22271
#2	.20198	.20750	9.7813	14.508	19.947	.21143	27.088	2.2302	.22076
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	**253.44**	**.20544**	**.21330**	**23.20**	**.20944**	**.21493**	**14.785**	**.19807**	**.70378**
Stddev	.38	.00346	.00369	.17	.00591	.00065	.073	.00233	.00416
%RSD	.14973	1.6830	1.7289	.7214	2.8199	.30046	.49606	1.1788	.59160
#1	253.71	.20788	.21591	23.32	.21362	.21539	14.837	.19972	.70672
#2	253.17	.20299	.21069	23.08	.20527	.21447	14.734	.19642	.70083
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	**.19809**	**.21795**	**.19948**	**.26322**
Stddev	.00018	.00561	.00194	.00193
%RSD	.08920	2.5719	.97239	.73134
#1	.19796	.22191	.19810	.26458
#2	.19821	.21398	.20085	.26186
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**	**2757.6**	**24377.**	**4668.4**
Stddev	4.3	.3	105.	27.5
%RSD	.23953	.01067	.43168	.58946
#1	1802.5	2757.8	24451.	4687.9
#2	1808.6	2757.4	24302.	4648.9

Sample Name: CCV Acquired: 4/11/2012 0:44:48 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	.45621	23.256	.51955	.52192	.46641	.47568	22.934	.52590	.48249	.49192	.47538	23.969	24.541
Stddev	.00080	.080	.00342	.00212	.00174	.00103	.016	.00527	.00250	.00101	.00042	.094	.043
%RSD	.17500	.34506	.65853	.40621	.37362	.21593	.06866	1.0016	.51865	.20576	.08799	.39250	.17406
#1	.45565	23.312	.52197	.52342	.46765	.47641	22.923	.52962	.48426	.49121	.47567	23.903	24.571
#2	.45678	23.199	.51713	.52042	.46518	.47496	22.945	.52217	.48072	.49264	.47508	24.036	24.510
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	23.979	.46493	25.813	.51466	.53056	24.153	.48601	.49569	25.18	.50396	.51235	22.747	.48236
Stddev	.158	.00022	.058	.00163	.00335	.070	.00324	.00108	.08	.00208	.00376	.058	.00125
%RSD	.65947	.04737	.22369	.31727	.63054	.28995	.66622	.21716	.3091	.41358	.73441	.25705	.25920
#1	23.867	.46477	25.772	.51351	.53293	24.202	.48830	.49645	25.23	.50543	.51501	22.706	.48148
#2	24.091	.46509	25.854	.51582	.52820	24.103	.48372	.49492	25.12	.50249	.50969	22.788	.48325
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	.50425	.47232	.52624	.47991	.49315
Stddev	.00100	.00315	.00694	.00087	.00072
%RSD	.19878	.66755	1.3188	.18120	.14506
#1	.50496	.47009	.53114	.48053	.49366
#2	.50354	.47455	.52133	.47930	.49264
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	1962.7	2885.7	25421.	4661.7
Stddev	.2	6.8	88.	17.7
%RSD	.00975	.23589	.34762	.37929
#1	1962.8	2880.9	25484.	4674.2
#2	1962.5	2890.5	25359.	4649.2

Sample Name: CCB Acquired: 4/11/2012 0:47:11 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	**.00053**	**-.02805**	**.00079**	**.00095**	**.00003**	**.00011**	**.00918**	**.00030**	**-.00019**	**.00060**	**.00226**	**.01355**	**-.00060**
Stddev	.00070	.01760	.00069	.00031	.00001	.00002	.00121	.00006	.00014	.00074	.00027	.00729	.01441
%RSD	132.08	62.756	87.613	32.656	54.961	15.736	13.159	19.344	75.785	124.83	12.025	53.794	2399.2
#1	.00102	-.04050	.00128	.00117	.00004	.00010	.00833	.00026	-.00029	.00112	.00245	.01870	-.01079
#2	.00003	-.01560	.00030	.00073	.00002	.00012	.01004	.00034	-.00009	.00007	.00206	.00839	.00959
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	**.00207**	**-.00115**	**-.00384**	**-.00006**	**-.00025**	**.02610**	**-.00010**	**-.00052**	**.0004**	**-.00089**	**-.00270**	**.02554**	**-.00090**
Stddev	.00040	.00011	.00534	.00003	.00011	.00425	.00048	.00007	.0018	.00251	.00641	.00692	.00019
%RSD	19.219	9.1679	139.12	51.505	43.565	16.296	460.34	13.303	430.6	280.94	237.12	27.083	21.446
#1	.00179	-.00122	-.00006	-.00004	-.00032	.02911	.00023	-.00047	.0017	.00088	.00183	.02065	-.00076
#2	.00235	-.00107	-.00762	-.00008	-.00017	.02309	-.00044	-.00057	-.0009	-.00267	-.00723	.03043	-.00103
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	**.00018**	**.00013**	**.00041**	**.00008**	**-.00158**
Stddev	.00006	.00002	.00099	.00074	.00051
%RSD	31.037	14.521	242.75	961.90	32.258
#1	.00022	.00011	.00110	-.00045	-.00194
#2	.00014	.00014	-.00029	.00060	-.00122
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	**2101.4**	**2904.9**	**26150.**	**4670.1**
Stddev	3.8	11.1	54.	28.6
%RSD	.18119	.38295	.20821	.61329
#1	2098.7	2897.1	26189.	4649.9
#2	2104.1	2912.8	26112.	4690.4

Sample Name: 480-18189-A-2-B MS Acquired: 4/11/2012 0:49:38 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	.04969	10.307	.23748	.33923	.37766	.21571	126.42	.23211	.21762
Stddev	.00105	.038	.00284	.00118	.00077	.00118	.73	.00152	.00061
%RSD	2.1207	.36482	1.1958	.34815	.20319	.54667	.57647	.65672	.28150
#1	.05043	10.281	.23949	.34006	.37712	.21488	125.91	.23319	.21805
#2	.04894	10.334	.23547	.33839	.37821	.21654	126.94	.23103	.21719
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	.21198	.22130	10.087	14.908	20.125	.22210	27.811	2.2901	.23107
Stddev	.00115	.00035	.050	.064	.148	.00201	.019	.0028	.00260
%RSD	.54112	.15952	.49421	.42633	.73615	.90365	.07001	.12228	1.1233
#1	.21280	.22106	10.052	14.863	20.021	.22068	27.825	2.2920	.23291
#2	.21117	.22155	10.122	14.953	20.230	.22352	27.797	2.2881	.22924
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	262.31	.21610	.22210	23.98	.21862	.22342	14.893	.20886	.72751
Stddev	1.68	.00144	.00008	.09	.00135	.00051	.091	.00164	.00212
%RSD	.64112	.66825	.03447	.3914	.61661	.22979	.61198	.78540	.29115
#1	261.12	.21712	.22205	24.05	.21957	.22378	14.828	.21002	.72601
#2	263.50	.21508	.22216	23.91	.21767	.22306	14.957	.20770	.72900
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	.20685	.22196	.21038	.27177
Stddev	.00033	.00112	.00223	.00114
%RSD	.15885	.50628	1.0614	.41911
#1	.20709	.22275	.20880	.27097
#2	.20662	.22117	.21195	.27258
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	1779.4	2750.9	24119.	4672.3
Stddev	3.2	9.9	4.	14.0
%RSD	.18187	.36026	.01665	.30020
#1	1777.1	2743.9	24122.	4682.2
#2	1781.7	2757.9	24116.	4662.4

Sample Name: 480-18189-A-2-C MSD Acquired: 4/11/2012 0:52:07 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	.05161	10.267	.23213	.33464	.38389	.21447	129.04	.22934	.21639
Stddev	.00025	.044	.00265	.00022	.00020	.00058	.58	.00003	.00189
%RSD	.48088	.43050	1.1396	.06573	.05231	.26850	.44914	.01214	.87391
#1	.05178	10.236	.23026	.33480	.38404	.21406	128.63	.22932	.21773
#2	.05143	10.299	.23400	.33449	.38375	.21488	129.45	.22936	.21506
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	.21121	.22135	10.014	15.005	20.104	.22267	27.529	2.2886	.22766
Stddev	.00161	.00080	.017	.058	.097	.00050	.141	.0110	.00168
%RSD	.76405	.36006	.16504	.38797	.48051	.22606	.51076	.47881	.73900
#1	.21235	.22191	10.026	14.964	20.036	.22302	27.629	2.2964	.22647
#2	.21006	.22078	10.003	15.046	20.173	.22231	27.430	2.2809	.22885
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	264.96	.21445	.22443	24.32	.22016	.22629	15.033	.20842	.72961
Stddev	.93	.00115	.00029	.03	.00124	.00293	.100	.00136	.00133
%RSD	.35200	.53524	.13120	.1045	.56247	1.2970	.66601	.65408	.18272
#1	265.62	.21526	.22422	24.34	.21928	.22422	14.962	.20939	.72867
#2	264.30	.21364	.22464	24.30	.22103	.22837	15.104	.20746	.73055
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	.20580	.21904	.21124	.26881
Stddev	.00012	.00124	.00006	.00183
%RSD	.05844	.56397	.02976	.68105
#1	.20572	.21991	.21120	.27011
#2	.20589	.21817	.21129	.26752
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	1771.8	2744.6	23923.	4624.5
Stddev	8.6	4.7	49.	35.0
%RSD	.48521	.16979	.20344	.75765
#1	1765.7	2747.9	23888.	4649.2
#2	1777.9	2741.3	23957.	4599.7

Sample Name: 480-18176-1 TOT RAW Acquired: 4/11/2012 0:54:37 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	**-.00121**	**.06033**	**.00217**	**.17722**	**.02872**	**.00005**	**135.55**	**.00037**	**.00050**
Stddev	.00024	.00554	.00333	.00026	.00032	.00009	.18	.00005	.00028
%RSD	19.922	9.1889	153.64	.14833	1.1072	172.91	.13583	14.010	56.113
#1	-.00138	.05641	-.00019	.17741	.02895	-.00001	135.68	.00034	.00030
#2	-.00104	.06425	.00452	.17704	.02850	.00011	135.42	.00041	.00069
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	**.00710**	**.00239**	**6.4037**	**13.638**	**19.705**	**.06359**	**115.16**	**1.0106**	**.00519**
Stddev	.00010	.00000	.0189	.045	.164	.00056	.15	.0036	.00009
%RSD	1.3907	.20006	.29478	.33055	.83350	.88680	.13423	.35491	1.7015
#1	.00717	.00240	6.4170	13.670	19.822	.06320	115.27	1.0131	.00513
#2	.00703	.00239	6.3903	13.606	19.589	.06399	115.05	1.0081	.00525
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	**210.08**	**.00500**	**.00216**	F **320.6**	**-.00399**	**-.00473**	**1.6702**	**-.00071**	**2.1370**
Stddev	.67	.00066	.00098	4.0	.00010	.00066	.0435	.00034	.0022
%RSD	.31873	13.125	45.119	1.263	2.4245	13.986	2.6076	48.105	.10501
#1	210.55	.00547	.00285	323.5	-.00392	-.00520	1.6394	-.00095	2.1386
#2	209.60	.00454	.00147	317.7	-.00406	-.00426	1.7009	-.00047	2.1354
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	**.00409**	**.00165**	**.00205**	**-.00075**
Stddev	.00043	.00067	.00072	.00120
%RSD	10.457	40.761	35.406	159.21
#1	.00439	.00212	.00256	-.00160
#2	.00378	.00117	.00153	.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	**1842.2**	**2831.7**	**24624.**	**4750.3**
Stddev	9.3	17.0	36.	3.0
%RSD	.50216	.60135	.14529	.06350
#1	1848.8	2843.7	24599.	4748.1
#2	1835.7	2819.6	24649.	4752.4

Sample Name: 480-18176-5 TOT RAW Acquired: 4/11/2012 0:57:06 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	**-.00076**	**.86715**	**.00570**	**.13408**	**.04902**	**.00001**	**55.017**	**.00003**	**.00061**
Stddev	.00013	.02436	.00422	.00006	.00009	.00000	.045	.00008	.00021
%RSD	16.610	2.8094	74.027	.04735	.18691	22.231	.08263	243.41	35.030
#1	-.00085	.88438	.00272	.13404	.04895	.00001	55.049	-.00002	.00046
#2	-.00067	.84992	.00868	.13413	.04908	.00001	54.985	.00009	.00076
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	**.01551**	**.02070**	**1.2571**	**6.2188**	**8.0146**	**.03596**	**29.632**	**.06910**	**.00779**
Stddev	.00056	.00016	.0226	.0476	.0129	.00061	.025	.00006	.00037
%RSD	3.6389	.76556	1.8006	.76494	.16077	1.6828	.08449	.08481	4.7491
#1	.01511	.02058	1.2411	6.1852	8.0055	.03639	29.614	.06906	.00753
#2	.01591	.02081	1.2731	6.2524	8.0237	.03554	29.649	.06914	.00805
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	**83.355**	**.00943**	**.00234**	F **53.09**	**-.00336**	**.00025**	**14.341**	**-.00196**	**1.0800**
Stddev	.358	.00005	.00123	.58	.00006	.00485	.012	.00084	.0023
%RSD	.42972	.49640	52.733	1.097	1.6732	1914.5	.08694	42.645	.21214
#1	83.608	.00939	.00146	53.50	-.00340	.00368	14.332	-.00255	1.0816
#2	83.102	.00946	.00321	52.67	-.00333	-.00318	14.349	-.00137	1.0784
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	**.02687**	**.00165**	**.01258**	**.00154**
Stddev	.00052	.00276	.00015	.00087
%RSD	1.9432	167.08	1.1740	56.390
#1	.02650	.00360	.01269	.00215
#2	.02724	-.00030	.01248	.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	**1971.7**	**2919.1**	**25483.**	**4727.6**
Stddev	7.0	12.3	108.	13.5
%RSD	.35568	.41978	.42266	.28595
#1	1976.6	2927.8	25559.	4718.0
#2	1966.7	2910.5	25406.	4737.2

Sample Name: 480-18176-6 TOT RAW Acquired: 4/11/2012 0:59:29 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	**.00143**	**.29843**	**.00574**	**.12556**	**.03003**	**-.00008**	**49.485**	**.00001**	**.00014**
Stddev	.00022	.00871	.00120	.00113	.00004	.00004	.093	.00007	.00009
%RSD	15.178	2.9189	20.886	.89685	.14095	54.954	.18841	652.54	69.671
#1	.00158	.30459	.00489	.12476	.03006	-.00005	49.419	-.00004	.00020
#2	.00128	.29227	.00659	.12636	.03000	-.00011	49.551	.00006	.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	**.00975**	**.01479**	**.78705**	**5.4584**	**6.9793**	**.03525**	**25.758**	**.02912**	**.01018**
Stddev	.00003	.00012	.00575	.0163	.0478	.00067	.019	.00023	.00010
%RSD	.33752	.82828	.73021	.29917	.68510	1.8928	.07528	.78047	1.0302
#1	.00972	.01471	.78299	5.4699	7.0131	.03478	25.744	.02896	.01011
#2	.00977	.01488	.79111	5.4468	6.9454	.03572	25.772	.02928	.01026
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	**82.198**	**.00683**	**.00413**	F **37.79**	**-.00128**	**.00245**	**13.052**	**-.00159**	**.97370**
Stddev	.255	.00041	.00199	.27	.00106	.00034	.011	.00054	.00125
%RSD	.31077	6.0164	48.262	.7111	82.724	13.806	.08775	34.087	.12854
#1	82.017	.00654	.00554	37.98	-.00202	.00269	13.044	-.00197	.97282
#2	82.379	.00712	.00272	37.60	-.00053	.00221	13.060	-.00121	.97459
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	**.00860**	**.00141**	**.01651**	**-.00098**
Stddev	.00055	.00025	.00033	.00039
%RSD	6.3888	17.522	2.0191	39.760
#1	.00899	.00124	.01627	-.00071
#2	.00822	.00159	.01674	-.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	**1977.1**	**2925.5**	**25407.**	**4768.7**
Stddev	3.0	2.9	60.	14.6
%RSD	.15024	.09992	.23461	.30711
#1	1975.0	2927.6	25450.	4779.1
#2	1979.2	2923.4	25365.	4758.3

Sample Name: 480-18176-8 TOT RAW Acquired: 4/11/2012 1:01:46 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	**-.00010**	**.32872**	**.00581**	**.12107**	**.03981**	**.00000**	**54.685**	**.00010**	**.00019**
Stddev	.00016	.05571	.00156	.00015	.00022	.0002	.118	.00018	.00010
%RSD	161.05	16.948	26.808	.12183	.55236	3413.6	.21643	169.55	51.039
#1	-.00021	.28933	.00692	.12096	.03966	.00011	54.601	.00023	.00026
#2	.00001	.36811	.00471	.12117	.03997	-.00012	54.769	-.00002	.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	**.00917**	**.00266**	**.27911**	**6.0882**	**7.9349**	**.03534**	**30.825**	**.00704**	**.00632**
Stddev	.00004	.00023	.00745	.0131	.1071	.00095	.117	.00002	.00013
%RSD	.39978	8.8339	2.6690	.21588	1.3498	2.6867	.37900	.22733	1.9994
#1	.00920	.00282	.27385	6.0789	7.8591	.03467	30.742	.00706	.00641
#2	.00914	.00249	.28438	6.0975	8.0106	.03602	30.907	.00703	.00624
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	**87.116**	**.00754**	**.00273**	F **36.22**	**-.00439**	**.00421**	**12.975**	**-.00095**	**1.1054**
Stddev	.332	.00011	.00043	.32	.00072	.00328	.118	.00041	.0029
%RSD	.38122	1.4621	15.707	.8843	16.381	77.912	.90701	43.496	.26333
#1	87.351	.00762	.00303	36.45	-.00388	.00653	12.891	-.00125	1.1033
#2	86.881	.00746	.00242	35.99	-.00490	.00189	13.058	-.00066	1.1074
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	**.01095**	**.00283**	**.01513**	**-.00056**
Stddev	.00120	.00090	.00041	.00127
%RSD	10.991	31.888	2.6935	229.22
#1	.01180	.00347	.01542	.00034
#2	.01010	.00219	.01484	-.00146
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	**1958.3**	**2915.3**	**25298.**	**4742.7**
Stddev	2.5	13.2	94.	15.0
%RSD	.12847	.45171	.37350	.31532
#1	1960.1	2924.6	25365.	4753.3
#2	1956.5	2906.0	25231.	4732.1

Sample Name: 480-18176-9 TOT RAW Acquired: 4/11/2012 1:04:06 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	**.00061**	**1.1612**	**.00256**	**.18900**	**.07202**	**.00005**	**101.98**	**.00008**	**.00092**
Stddev	.00066	.0086	.00176	.00110	.00007	.00003	.85	.00027	.00021
%RSD	107.01	.73609	68.670	.58461	.09715	56.151	.83233	337.09	22.782
#1	.00015	1.1551	.00132	.18979	.07197	.00007	101.38	-.00011	.00077
#2	.00108	1.1672	.00381	.18822	.07207	.00003	102.58	.00027	.00106
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	**.01538**	**.01832**	**1.9440**	**7.5867**	**9.8835**	**.04417**	**46.369**	**.09473**	**.00230**
Stddev	.00090	.00082	.0279	.0496	.2880	.00084	.068	.00002	.00022
%RSD	5.8390	4.4706	1.4326	.65342	2.9142	1.9000	.14651	.02065	9.4930
#1	.01475	.01890	1.9243	7.5517	9.6799	.04358	46.417	.09475	.00245
#2	.01602	.01775	1.9637	7.6218	10.087	.04476	46.320	.09472	.00214
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	**92.435**	**.00849**	**.00638**	F **41.27**	**-.00203**	**.00125**	**17.469**	**-.00214**	**1.5997**
Stddev	.724	.00049	.00296	.57	.00018	.00401	.133	.00026	.0082
%RSD	.78271	5.7928	46.478	1.388	9.0173	321.39	.75860	11.914	.51032
#1	91.923	.00815	.00428	41.68	-.00190	-.00159	17.375	-.00196	1.5939
#2	92.946	.00884	.00847	40.87	-.00216	.00409	17.563	-.00232	1.6054
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	**.03772**	**.00114**	**.01782**	**.00156**
Stddev	.00001	.00219	.00013	.00040
%RSD	.02235	192.80	.74979	25.948
#1	.03771	-.00041	.01791	.00184
#2	.03773	.00269	.01773	.00127
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	**1905.1**	**2876.5**	**24801.**	**4710.9**
Stddev	1.1	7.8	60.	31.8
%RSD	.05888	.27137	.24057	.67441
#1	1905.9	2882.1	24759.	4733.3
#2	1904.3	2871.0	24844.	4688.4

Sample Name: 480-18176-14 TOT RAW Acquired: 4/11/2012 1:06:27 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	**.00031**	**.80105**	**.00392**	**.16232**	**.07808**	**.00016**	**84.810**	**.00019**	**.00143**
Stddev	.00084	.00813	.00022	.00080	.00010	.00014	.182	.00006	.00008
%RSD	266.96	1.0145	5.5708	.49588	.12272	86.141	.21518	31.295	5.7472
#1	-.00028	.80680	.00376	.16289	.07815	.00006	84.681	.00015	.00137
#2	.00091	.79531	.00407	.16175	.07802	.00025	84.939	.00023	.00149
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	**.00427**	**.00349**	**.51811**	**5.9278**	**8.0463**	**.03522**	**34.870**	**.06279**	**.00171**
Stddev	.00014	.00036	.00586	.0137	.3226	.00057	.308	.00062	.00001
%RSD	3.3087	10.249	1.1313	.23097	4.0093	1.6222	.88433	.98462	.60498
#1	.00437	.00374	.52226	5.9181	7.8182	.03562	34.652	.06235	.00171
#2	.00417	.00324	.51397	5.9375	8.2744	.03482	35.088	.06323	.00172
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	**116.39**	**.00510**	**.00499**	F **48.45**	**-.00483**	**.00237**	**14.377**	**-.00184**	**1.1522**
Stddev	.45	.00006	.00143	.66	.00103	.00326	.031	.00028	.0014
%RSD	.38478	1.0810	28.714	1.358	21.343	137.43	.21558	14.994	.12428
#1	116.08	.00507	.00398	48.92	-.00556	.00007	14.355	-.00204	1.1512
#2	116.71	.00514	.00601	47.99	-.00410	.00468	14.399	-.00165	1.1532
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	**.02306**	**.00271**	**.01543**	**.00198**
Stddev	.00102	.00289	.00014	.00059
%RSD	4.4137	106.74	.90739	29.660
#1	.02378	.00476	.01533	.00240
#2	.02234	.00066	.01553	.00157
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	**1913.8**	**2877.2**	**24854.**	**4752.2**
Stddev	6.5	5.2	158.	40.2
%RSD	.34216	.17997	.63428	.84560
#1	1918.4	2880.9	24966.	4780.7
#2	1909.1	2873.5	24743.	4723.8

Sample Name: 480-18176-15 TOT RAW Acquired: 4/11/2012 1:08:51 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	Ba4554-2	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	**.00085**	**.17663**	**.00542**	**.13367**	**.03018**	**.00010**	**51.649**	**.00004**	**.00054**
Stddev	.00177	.01664	.00277	.00066	.00013	.00010	.001	.00031	.00001
%RSD	207.72	9.4226	51.143	.49236	.43182	94.674	.00165	821.56	1.1985
#1	-.00040	.18839	.00346	.13321	.03009	.00003	51.650	.00026	.00055
#2	.00210	.16486	.00739	.13414	.03027	.00017	51.649	-.00018	.00054
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	**.01170**	**.01097**	**.31445**	**5.8565**	**7.6138**	**.03738**	**29.102**	**.01846**	**.00826**
Stddev	.00134	.00060	.01637	.0348	.0314	.00019	.040	.00019	.00022
%RSD	11.444	5.4776	5.2066	.59395	.41283	.51583	.13819	1.0345	2.6874
#1	.01265	.01055	.30287	5.8811	7.5916	.03752	29.131	.01860	.00810
#2	.01076	.01140	.32602	5.8319	7.6360	.03724	29.074	.01833	.00841
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	**88.587**	**.00791**	**.00284**	F **51.47**	**-.00261**	**.00430**	**13.203**	**-.00105**	**1.0304**
Stddev	.001	.00035	.00021	.59	.00394	.00336	.016	.00000	.0026
%RSD	.00102	4.4722	7.4234	1.145	151.04	78.119	.12203	.06176	.24819
#1	88.587	.00766	.00269	51.89	.00018	.00667	13.215	-.00105	1.0323
#2	88.588	.00816	.00299	51.06	-.00540	.00192	13.192	-.00105	1.0286
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	**.00625**	**.00108**	**.01898**	**.00077**
Stddev	.00051	.00178	.00020	.00144
%RSD	8.1858	165.17	1.0460	187.45
#1	.00589	-.00018	.01884	-.00025
#2	.00662	.00234	.01912	.00179
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	**1958.1**	**2913.8**	**25225.**	**4749.6**
Stddev	.0	1.4	7.	2.8
%RSD	.00198	.04757	.02785	.05825
#1	1958.1	2914.7	25220.	4747.6
#2	1958.1	2912.8	25230.	4751.5

Sample Name: 480-18176-F-1-A Acquired: 4/11/2012 1:11:18 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	Ba4554-2	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**	**.42015**	**.00471**	**.15499**	**.02601**	**-.00012**	**115.48**	**.00034**	**.00240**
Stddev	.00060	.00422	.00360	.00114	.00023	.00011	.12	.00006	.00000
%RSD	203.35	1.0043	76.474	.73499	.87173	93.409	.10094	17.127	.11652
#1	.00013	.42314	.00216	.15579	.02585	-.00004	115.40	.00038	.00240
#2	-.00072	.41717	.00726	.15418	.02617	-.00020	115.56	.00030	.00239
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	**.01199**	**.00685**	**.35208**	**7.9104**	**10.289**	**.05045**	**55.963**	**.00924**	**.00619**
Stddev	.00041	.00032	.00430	.0946	.029	.00078	.112	.00005	.00031
%RSD	3.4340	4.6542	1.2225	1.1953	.28068	1.5424	.19953	.50743	4.9466
#1	.01170	.00707	.34904	7.8436	10.269	.05100	55.884	.00920	.00641
#2	.01228	.00662	.35512	7.9773	10.310	.04990	56.042	.00927	.00598
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	**134.35**	**.00765**	**.00247**	F **158.9**	**-.00145**	**.01345**	**12.510**	**-.00073**	**2.1714**
Stddev	.23	.00000	.00046	.8	.00072	.00069	.001	.00071	.0074
%RSD	.16804	.04210	18.638	.4959	49.922	5.1374	.00977	97.683	.34238
#1	134.51	.00765	.00214	159.5	-.00094	.01393	12.510	-.00124	2.1662
#2	134.19	.00765	.00279	158.4	-.00196	.01296	12.509	-.00023	2.1767
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	**.00924**	**.00057**	**.00661**	**.00078**
Stddev	.00011	.00083	.00102	.00043
%RSD	1.2047	145.67	15.397	55.183
#1	.00916	-.00002	.00733	.00109
#2	.00932	.00115	.00589	.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	**1837.8**	**2771.7**	**24228.**	**4663.6**
Stddev	9.4	12.8	61.	7.7
%RSD	.51026	.46018	.25171	.16448
#1	1831.2	2762.7	24271.	4669.1
#2	1844.4	2780.7	24185.	4658.2

Sample Name: CCV Acquired: 4/11/2012 1:13:50 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
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.45460	22.877	.51042	.50630	.46097	.47696	F 22.497	.51129	.47773	.47954	.48181	23.971
Stddev	.00029	.176	.00275	.00255	.00081	.00011	.031	.00332	.00073	.00239	.00190	.059
%RSD	.06278	.76893	.53931	.50460	.17522	.02326	.13671	.64881	.15262	.49782	.39355	.24559
#1	.45480	23.001	.51237	.50811	.46155	.47704	22.518	.51363	.47825	.47785	.48046	23.929
#2	.45439	22.752	.50847	.50449	.46040	.47688	22.475	.50894	.47722	.48123	.48315	24.013
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value							25.000					
Range							-10.000%					

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	23.957	23.235	.46688	25.284	.51123	.51654	23.524	.48721	.48886	25.84	.51110	.51794
Stddev	.056	.492	.00035	.048	.00065	.00296	.045	.00178	.00255	.12	.00390	.00161
%RSD	.23333	2.1162	.07594	.18975	.12777	.57318	.19019	.36570	.52214	.4820	.76322	.31143
#1	23.996	22.887	.46663	25.318	.51170	.51863	23.555	.48847	.49066	25.93	.51386	.51680
#2	23.917	23.582	.46714	25.250	.51077	.51444	23.492	.48595	.48705	25.75	.50834	.51908
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	Si2881	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F 22.162	.49844	.48715	.48881	.51251	.47061	.47778
Stddev	.167	.00025	.00074	.00001	.00388	.00303	.00167
%RSD	.75204	.05071	.15112	.00148	.75642	.64351	.35029
#1	22.280	.49826	.48767	.48882	.51525	.46847	.47660
#2	22.045	.49862	.48663	.48881	.50977	.47275	.47896
Check ?	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value	25.000						
Range	-10.000%						

Int. Std.	In2306	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	1965.4	2920.2	25492.	4782.2
Stddev	1.0	8.4	47.	1.6
%RSD	.04838	.28924	.18370	.03296
#1	1966.1	2914.2	25459.	4781.1
#2	1964.8	2926.2	25525.	4783.3

Sample Name: CCB Acquired: 4/11/2012 1:16:09 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	**.00042**	**.00651**	**.00337**	**.00047**	**.00004**	**.00000**	**.00382**	**.00018**	**-.00030**	**.00028**	**.00145**	**.00988**	**-.00968**
Stddev	.00059	.01472	.00153	.00006	.00001	.0001	.00492	.00001	.00005	.00016	.00023	.00460	.00348
%RSD	140.00	226.22	45.301	13.211	28.378	145340.	128.87	6.3324	17.098	56.617	15.706	46.551	35.985
#1	.00000	-.00390	.00445	.00042	.00003	.00010	.00730	.00017	-.00034	.00017	.00128	.01313	-.01215
#2	.00084	.01692	.00229	.00051	.00005	-.00010	.00034	.00019	-.00027	.00039	.00161	.00663	-.00722
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	**.00202**	**.00000**	**.00217**	**-.00002**	**.00026**	**.02313**	**.00121**	**.00088**	F **.0091**	**-.00185**	**-.00189**	**.03981**	**.00032**
Stddev	.00024	.0007	.00206	.00004	.00051	.00472	.00096	.00075	.0052	.00095	.00387	.02223	.00059
%RSD	11.924	49503.	95.171	153.71	199.34	20.412	79.740	85.493	56.91	51.667	204.58	55.853	184.70
#1	.00219	-.00047	.00362	.00000	.00062	.01979	.00053	.00035	.0128	-.00252	-.00463	.05553	.00073
#2	.00185	.00047	.00071	-.00005	-.00010	.02647	.00188	.00141	.0054	-.00117	.00084	.02409	-.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	**.00010**	**-.00036**	**-.00004**	**-.00023**	**-.00022**
Stddev	.00002	.00037	.00197	.00026	.00010
%RSD	23.222	104.11	5136.0	115.05	45.574
#1	.00011	-.00062	.00136	-.00042	-.00015
#2	.00008	-.00009	-.00143	-.00004	-.00029
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	**2105.0**	**2939.6**	**26086.**	**4716.3**
Stddev	2.6	1.4	119.	22.6
%RSD	.12123	.04665	.45425	.47900
#1	2103.2	2938.7	26170.	4732.3
#2	2106.8	2940.6	26002.	4700.4

Sample Name: 480-18176-F-6-A Acquired: 4/11/2012 1:18:35 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	**.00349**	**.63051**	**.00372**	**.12982**	**.03198**	**-.00010**	**49.482**	**.00034**	**.00027**
Stddev	.00056	.03293	.00116	.00008	.00009	.00005	.043	.00009	.00024
%RSD	16.010	5.2225	31.184	.06163	.27404	51.285	.08673	27.962	89.077
#1	.00310	.60723	.00455	.12976	.03192	-.00006	49.451	.00027	.00010
#2	.00389	.65379	.00290	.12988	.03204	-.00014	49.512	.00040	.00044
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	**.01234**	**.01680**	**1.6178**	**5.5752**	**6.4904**	**.03412**	**25.959**	**.03766**	**.01281**
Stddev	.00009	.00041	.0062	.0348	.0319	.00051	.021	.00020	.00001
%RSD	.72017	2.4408	.38378	.62488	.49176	1.5093	.07940	.54002	.10028
#1	.01240	.01651	1.6134	5.5506	6.4678	.03376	25.944	.03780	.01282
#2	.01227	.01709	1.6222	5.5999	6.5130	.03449	25.973	.03751	.01280
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	**84.283**	**.00686**	**.00413**	F **38.17**	**-.00339**	**.00631**	**13.854**	**-.00121**	**.99431**
Stddev	.009	.00008	.00012	.04	.00001	.00690	.055	.00069	.00156
%RSD	.01098	1.1153	2.8940	.1145	.29611	109.38	.39492	56.945	.15731
#1	84.289	.00691	.00404	38.20	-.00339	.00143	13.892	-.00169	.99321
#2	84.276	.00681	.00421	38.14	-.00340	.01119	13.815	-.00072	.99542
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	**.01465**	**-.00015**	**.01865**	**.00002**
Stddev	.00040	.00134	.00068	.00021
%RSD	2.7386	882.33	3.6342	1104.8
#1	.01437	-.00110	.01913	.00017
#2	.01494	.00079	.01817	-.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	**1945.5**	**2874.1**	**25175.**	**4784.1**
Stddev	3.7	1.3	9.	5.0
%RSD	.18827	.04485	.03572	.10527
#1	1942.9	2873.2	25168.	4787.7
#2	1948.1	2875.0	25181.	4780.5

Sample Name: 480-18176-F-15-A Acquired: 4/11/2012 1:20:56 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	**.00042**	**.18608**	**.00615**	**.14100**	**.03347**	**-.00002**	**51.258**	**.00028**	**.00037**
Stddev	.00057	.05610	.00169	.00036	.00004	.00003	.045	.00005	.00012
%RSD	133.82	30.148	27.508	.25752	.12819	136.88	.08697	19.566	32.652
#1	.00002	.14641	.00496	.14126	.03344	-.00004	51.289	.00032	.00029
#2	.00082	.22575	.00735	.14075	.03350	.00000	51.226	.00024	.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	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	**.01161**	**.01230**	**.37722**	**5.8707**	**6.9179**	**.03628**	**29.539**	**.01916**	**.00979**
Stddev	.00081	.00028	.00045	.0308	.0304	.00056	.138	.00006	.00022
%RSD	6.9694	2.2802	.11993	.52549	.43987	1.5362	.46881	.30816	2.2067
#1	.01218	.01250	.37690	5.8489	6.8964	.03588	29.441	.01920	.00995
#2	.01104	.01210	.37754	5.8925	6.9395	.03667	29.636	.01912	.00964
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	**89.234**	**.00810**	**.00221**	F **51.53**	**-.00097**	**.00100**	**12.878**	**-.00117**	**1.0669**
Stddev	.500	.00040	.00203	.09	.00184	.00024	.015	.00036	.0007
%RSD	.55982	4.9289	91.913	.1773	189.44	24.272	.11616	30.870	.06234
#1	89.587	.00782	.00365	51.59	-.00227	.00083	12.889	-.00091	1.0674
#2	88.881	.00839	.00077	51.46	.00033	.00117	12.868	-.00142	1.0664
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	**.00471**	**.00180**	**.01975**	**.00007**
Stddev	.00019	.00051	.00030	.00036
%RSD	4.1263	28.519	1.4955	531.97
#1	.00458	.00217	.01996	.00032
#2	.00485	.00144	.01954	-.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	**1936.9**	**2845.3**	**25228.**	**4804.6**
Stddev	.6	5.6	12.	24.0
%RSD	.03071	.19662	.04844	.49935
#1	1937.3	2849.3	25220.	4787.6
#2	1936.5	2841.4	25237.	4821.5

Sample Name: 480-18216-G-3-A Acquired: 4/11/2012 1:23:16 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	**-.00001**	**.01987**	**.00613**	**.12619**	**.01380**	**-.00013**	**288.43**	**.00101**	**.00103**
Stddev	.00088	.03640	.00086	.00058	.00001	.00017	.35	.00003	.00040
%RSD	8946.4	183.17	14.024	.46034	.10412	131.96	.12298	3.4197	38.998
#1	.00062	-.00587	.00673	.12660	.01381	-.00001	288.68	.00098	.00132
#2	-.00064	.04561	.00552	.12578	.01379	-.00025	288.18	.00103	.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	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	**.00187**	**.00372**	**2.0363**	**4.6542**	**6.6369**	**.10729**	F **460.02**	**.11606**	**.00504**
Stddev	.00026	.00033	.0042	.0137	.0804	.00071	1.87	.00040	.00006
%RSD	13.833	8.8763	.20458	.29446	1.2108	.66429	.40565	.34454	1.1808
#1	.00205	.00395	2.0334	4.6639	6.6937	.10779	458.70	.11578	.00500
#2	.00168	.00348	2.0393	4.6445	6.5800	.10678	461.34	.11634	.00509
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	**68.775**	**.00427**	**.00364**	F **723.8**	**-.00212**	**-.00691**	**9.8448**	**-.00201**	**.96075**
Stddev	.019	.00060	.00413	4.8	.00255	.00096	.1034	.00055	.00084
%RSD	.02775	14.031	113.53	.6687	120.18	13.972	1.0506	27.473	.08746
#1	68.762	.00469	.00072	727.2	-.00032	-.00622	9.9179	-.00240	.96135
#2	68.789	.00384	.00656	720.4	-.00392	-.00759	9.7717	-.00162	.96016
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	**.00252**	**.00083**	**.00105**	**.00130**
Stddev	.00053	.00462	.00027	.00058
%RSD	21.033	559.74	25.788	44.888
#1	.00214	-.00244	.00086	.00089
#2	.00289	.00409	.00125	.00171
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	**1710.6**	**2611.1**	**23431.**	**4601.1**
Stddev	2.8	5.6	115.	13.5
%RSD	.16454	.21290	.48956	.29421
#1	1708.6	2607.1	23513.	4610.7
#2	1712.5	2615.0	23350.	4591.5

Sample Name: 480-18216-G-7-A Acquired: 4/11/2012 1:25:35 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	**-.00001**	**-.03033**	**.00575**	**.13308**	**.01529**	**-.00021**	**310.88**	**.00084**	**.00054**
Stddev	.00091	.04219	.00171	.00173	.00009	.00005	.48	.00001	.00005
%RSD	11933.	139.11	29.769	1.2967	.57630	25.438	.15423	.76468	9.2273
#1	-.00065	-.00050	.00696	.13430	.01523	-.00017	311.22	.00085	.00057
#2	.00063	-.06016	.00454	.13186	.01535	-.00024	310.55	.00084	.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	**.00221**	**.00292**	**3.3201**	**4.6509**	**6.5670**	**.10109**	F **415.30**	**.16573**	**.00442**
Stddev	.00064	.00010	.0169	.0369	.0918	.00058	.01	.00081	.00056
%RSD	28.947	3.4420	.51004	.79293	1.3975	.56904	.00260	.49139	12.739
#1	.00175	.00299	3.3081	4.6248	6.6319	.10149	415.29	.16631	.00482
#2	.00266	.00285	3.3321	4.6770	6.5021	.10068	415.31	.16516	.00402
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	**65.521**	**.00419**	**.00221**	F **688.1**	**-.00391**	**-.00366**	**10.066**	**-.00143**	**1.0246**
Stddev	.319	.00077	.00067	4.6	.00259	.00087	.004	.00031	.0000
%RSD	.48689	18.348	30.179	.6755	66.210	23.829	.04044	21.647	.00138
#1	65.295	.00364	.00268	691.4	-.00574	-.00304	10.063	-.00165	1.0246
#2	65.747	.00473	.00174	684.8	-.00208	-.00428	10.069	-.00121	1.0246
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	**.00189**	**-.00178**	**.00109**	**-.00126**
Stddev	.00060	.00021	.00032	.00027
%RSD	31.946	11.813	29.430	21.185
#1	.00146	-.00164	.00086	-.00107
#2	.00231	-.00193	.00131	-.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	**1703.6**	**2606.8**	**23345.**	**4573.6**
Stddev	.3	2.0	74.	24.9
%RSD	.01559	.07495	.31564	.54543
#1	1703.4	2605.4	23398.	4556.0
#2	1703.8	2608.2	23293.	4591.3

Sample Name: 480-18204-1 DIS RAW Acquired: 4/11/2012 1:27:58 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	**.00012**	**-.01758**	**.00111**	**-.00111**	**.00002**	**.00014**	**.05061**	**-.00004**	**-.00021**
Stddev	.00069	.03508	.00177	.00022	.00000	.00021	.00510	.00007	.00008
%RSD	598.62	199.54	159.84	19.899	5.3446	156.77	10.068	194.14	38.731
#1	.00061	-.04239	.00236	-.00127	.00002	.00029	.05422	.00001	-.00027
#2	-.00037	.00722	-.00014	-.00096	.00002	-.00001	.04701	-.00009	-.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	**.00046**	**.00293**	**.00719**	**.02513**	**.04032**	**-.00024**	**.02134**	**-.00009**	**-.00005**
Stddev	.00095	.00008	.00003	.00831	.00115	.00005	.00911	.00002	.00005
%RSD	206.97	2.8719	.36655	33.055	2.8453	19.169	42.708	26.989	97.523
#1	.00113	.00287	.00717	.03100	.04113	-.00027	.02778	-.00007	-.00002
#2	-.00021	.00299	.00720	.01926	.03951	-.00021	.01489	-.00011	-.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	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	**.15372**	**.00123**	**.00098**	**.0547**	**-.00261**	**-.00229**	**.05416**	**-.00130**	**.00019**
Stddev	.00702	.00027	.00012	.0027	.00219	.00452	.04285	.00010	.00019
%RSD	4.5653	21.917	12.381	4.959	84.023	197.94	79.119	7.9623	100.95
#1	.14875	.00104	.00106	.0567	-.00106	.00091	.02386	-.00123	.00005
#2	.15868	.00142	.00089	.0528	-.00416	-.00548	.08446	-.00138	.00033
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**	**.00043**	**-.00014**	**.00006**
Stddev	.00014	.00063	.00002	.00031
%RSD	49.307	145.90	17.073	526.26
#1	-.00039	-.00001	-.00012	-.00016
#2	-.00019	.00088	-.00016	.00027
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	**2209.2**	**3058.7**	**27234.**	**4829.5**
Stddev	5.6	4.3	35.	38.3
%RSD	.25464	.14147	.12682	.79261
#1	2213.1	3061.8	27258.	4802.4
#2	2205.2	3055.7	27210.	4856.6

Sample Name: 480-18204-7 DIS RAW Acquired: 4/11/2012 1:30:27 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	**-.00020**	**-.01647**	**.00242**	**.05422**	**.05773**	**-.00006**	**76.826**	**.00004**	**.00020**
Stddev	.00072	.03333	.00062	.00130	.00005	.00011	.882	.00028	.00013
%RSD	356.78	202.38	25.409	2.3924	.09383	177.87	1.1485	735.92	64.475
#1	.00031	.00710	.00286	.05514	.05769	.00002	76.202	.00024	.00030
#2	-.00071	-.04003	.00199	.05330	.05777	-.00014	77.450	-.00016	.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	**.00118**	**.00342**	**.08079**	**5.8357**	**7.1689**	**.00256**	**25.133**	**.12073**	**.00028**
Stddev	.00144	.00018	.00252	.0697	.1028	.00003	.067	.00027	.00012
%RSD	121.97	5.3778	3.1229	1.1946	1.4346	1.2996	.26730	.22362	42.016
#1	.00221	.00355	.08257	5.7864	7.0962	.00258	25.181	.12092	.00037
#2	.00016	.00329	.07900	5.8850	7.2416	.00253	25.086	.12054	.00020
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	**53.457**	**.00129**	**.00193**	**9.222**	**-.00332**	**-.00109**	**4.6689**	**-.00207**	**.10610**
Stddev	.159	.00037	.00157	.087	.00006	.00116	.0277	.00046	.00054
%RSD	.29763	28.902	81.380	.9408	1.7338	106.36	.59271	22.357	.51355
#1	53.344	.00103	.00082	9.284	-.00328	-.00027	4.6494	-.00175	.10572
#2	53.569	.00156	.00304	9.161	-.00336	-.00191	4.6885	-.00240	.10649
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	**.00049**	**.00082**	**.00059**	**-.00120**
Stddev	.00043	.00312	.00055	.00057
%RSD	87.427	381.49	93.495	47.864
#1	.00079	.00303	.00098	-.00161
#2	.00019	-.00139	.00020	-.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	**1983.4**	**2908.0**	**25619.**	**4766.4**
Stddev	6.6	.9	35.	48.1
%RSD	.33028	.03221	.13519	1.0087
#1	1988.0	2908.7	25594.	4800.3
#2	1978.8	2907.4	25643.	4732.4

Sample Name: 480-18215-1 DIS RAW Acquired: 4/11/2012 1:32:50 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	Ba4554-2	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**	**.40268**	**.01010**	**.02339**	**.01131**	**-.00003**	**16.630**	**-.00013**	**.00064**
Stddev	.00058	.00497	.00104	.00025	.00011	.00011	.037	.00001	.00016
%RSD	180.50	1.2338	10.326	1.0575	.97218	427.40	.22025	5.2259	24.411
#1	.00073	.39917	.01083	.02321	.01124	.00005	16.604	-.00013	.00075
#2	-.00009	.40619	.00936	.02356	.01139	-.00011	16.656	-.00014	.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	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**	**.00415**	**2.9098**	**1.1626**	**1.2014**	**.00382**	**5.7340**	**.90360**	**-.00020**
Stddev	.00043	.00029	.0127	.0013	.0081	.00052	.0083	.00362	.00016
%RSD	310.26	6.8744	.43832	.11466	.67687	13.498	.14448	.40033	78.980
#1	.00044	.00395	2.9188	1.1616	1.1957	.00419	5.7399	.90104	-.00009
#2	-.00016	.00435	2.9007	1.1635	1.2072	.00346	5.7281	.90616	-.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	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	**12.998**	**.00143**	**.00458**	**15.37**	**-.00295**	**.00150**	**11.478**	**-.00200**	**.11919**
Stddev	.020	.00003	.00044	.17	.00256	.00304	.009	.00042	.00011
%RSD	.15497	2.3700	9.5715	1.118	86.716	202.81	.07644	21.165	.09457
#1	12.984	.00141	.00489	15.49	-.00114	.00365	11.484	-.00230	.11927
#2	13.012	.00146	.00427	15.25	-.00475	-.00065	11.471	-.00170	.11911
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	**.02339**	**-.00052**	**.00123**	**.00197**
Stddev	.00296	.00079	.00015	.00019
%RSD	12.654	152.79	11.988	9.8594
#1	.02130	.00004	.00113	.00183
#2	.02548	-.00108	.00134	.00210
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	**2120.7**	**2994.4**	**26449.**	**4804.4**
Stddev	1.4	6.4	136.	26.0
%RSD	.06569	.21251	.51358	.54081
#1	2121.7	2998.9	26545.	4822.8
#2	2119.7	2989.9	26353.	4786.1

Sample Name: 480-18215-3 DIS RAW Acquired: 4/11/2012 1:35:06 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	**-.00050**	**-.02337**	**.00117**	**.01464**	**.00315**	**.00002**	**2.1208**	**-.00012**	**-.00011**
Stddev	.00060	.01668	.00101	.00006	.00005	.00005	.0222	.00002	.00032
%RSD	121.19	71.368	86.264	.38502	1.6412	213.17	1.0442	19.198	299.58
#1	-.00092	-.01158	.00045	.01460	.00319	-.00001	2.1365	-.00010	.00012
#2	-.00007	-.03516	.00188	.01468	.00312	.00006	2.1052	-.00013	-.00033
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	**.00087**	**.00223**	**.00735**	**.62211**	**.68718**	**-.00081**	**.80972**	**.00082**	**-.00035**
Stddev	.00034	.00018	.00353	.01577	.00145	.00094	.01270	.00012	.00002
%RSD	38.531	7.8576	48.106	2.5354	.21089	114.88	1.5679	14.821	5.6997
#1	.00063	.00211	.00985	.61096	.68615	-.00015	.80074	.00073	-.00034
#2	.00111	.00235	.00485	.63326	.68820	-.00148	.81870	.00090	-.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	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	**16.038**	**.00062**	**.00125**	**3.840**	**-.00190**	**-.00066**	**4.8645**	**-.00251**	**.02817**
Stddev	.137	.00039	.00180	.030	.00064	.00311	.0301	.00008	.00004
%RSD	.85560	62.772	143.39	.7889	33.433	469.14	.61820	3.0745	.15081
#1	16.135	.00034	.00253	3.861	-.00145	-.00287	4.8858	-.00246	.02820
#2	15.941	.00089	-.00002	3.818	-.00235	.00154	4.8433	-.00257	.02814
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**	**.00111**	**.00035**	**.00034**
Stddev	.00015	.00003	.00056	.00038
%RSD	24.444	2.9720	160.68	111.72
#1	-.00070	.00114	.00075	.00007
#2	-.00049	.00109	-.00005	.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	**2139.5**	**3019.8**	**26542.**	**4799.9**
Stddev	3.0	5.3	118.	9.2
%RSD	.14244	.17524	.44505	.19250
#1	2137.4	3016.0	26626.	4793.4
#2	2141.7	3023.5	26459.	4806.5

Sample Name: 480-18215-5 DIS RAW Acquired: 4/11/2012 1:37:27 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	**-.00066**	**.20496**	**.00483**	**.03675**	**.02734**	**-.00003**	**20.022**	**.00011**	**.00036**
Stddev	.00017	.00875	.00093	.00014	.00014	.00011	.164	.00025	.00010
%RSD	26.235	4.2694	19.197	.38211	.52102	348.70	.82022	226.13	27.899
#1	-.00054	.21115	.00549	.03685	.02745	-.00011	20.138	-.00007	.00043
#2	-.00078	.19878	.00418	.03665	.02724	.00005	19.906	.00028	.00029
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**	**.00287**	**.25043**	**3.9272**	**4.3393**	**.00165**	**7.0398**	**.00689**	**-.00034**
Stddev	.00031	.00010	.01369	.0449	.0677	.00037	.0209	.00018	.00050
%RSD	27.610	3.3912	5.4653	1.1426	1.5590	22.234	.29705	2.5413	145.89
#1	.00132	.00294	.24075	3.9590	4.3872	.00139	7.0250	.00676	-.00069
#2	.00089	.00280	.26011	3.8955	4.2915	.00191	7.0545	.00701	.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	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	**30.436**	**.00450**	**.00219**	**5.411**	**-.00362**	**-.00112**	**7.5417**	**-.00192**	**.25824**
Stddev	.001	.00021	.00113	.059	.00023	.00494	.0445	.00045	.00010
%RSD	.00165	4.6755	51.792	1.083	6.3574	441.18	.58954	23.274	.03799
#1	30.436	.00465	.00299	5.453	-.00346	.00237	7.5732	-.00224	.25817
#2	30.435	.00435	.00139	5.370	-.00378	-.00461	7.5103	-.00161	.25831
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	**.00997**	**.00239**	**-.00023**	**.00545**
Stddev	.00074	.00070	.00047	.00082
%RSD	7.3743	29.374	202.05	15.084
#1	.01049	.00289	.00010	.00603
#2	.00945	.00190	-.00056	.00487
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	**2074.2**	**2976.3**	**26125.**	**4774.7**
Stddev	4.2	7.1	205.	20.0
%RSD	.20211	.23976	.78564	.41874
#1	2071.3	2971.2	26270.	4760.6
#2	2077.2	2981.3	25980.	4788.9

Sample Name: 480-18138-B-1-C Acquired: 4/11/2012 1:39:45 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	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	**.03494**	**59.254**	**.17542**	**.00106**	F **10.003**	**.00046**	F **1583.5**	**.01579**	**.34572**
Stddev	.00124	.509	.00035	.00002	.086	.00022	14.3	.00033	.00324
%RSD	3.5627	.85971	.20128	1.9364	.85517	48.470	.90069	2.0764	.93811
#1	.03583	58.894	.17517	.00107	9.9430	.00062	1593.6	.01602	.34802
#2	.03406	59.614	.17567	.00105	10.064	.00030	1573.4	.01555	.34343
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Fail	Chk Pass	Chk Pass
High Limit					10.000		1000.0		
Low Limit					-.00200		-.50000		

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	**.10197**	**.21355**	**30.757**	**1.1823**	**1.9903**	**.21961**	**15.740**	F **142.94**	**.20035**
Stddev	.00032	.00077	.116	.0003	.0189	.00220	.014	1.13	.00236
%RSD	.31614	.35957	.37692	.02651	.94946	1.0004	.09037	.79379	1.1801
#1	.10175	.21409	30.675	1.1820	2.0037	.21805	15.730	142.14	.20202
#2	.10220	.21301	30.839	1.1825	1.9770	.22116	15.750	143.74	.19868
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass
High Limit								20.000	
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	**8.2889**	**.48938**	**.12571**	**20.45**	**-.01226**	**.09086**	**19.595**	**.02607**	**1.6050**
Stddev	.0517	.00352	.00021	.25	.00277	.00827	.113	.00087	.0025
%RSD	.62309	.71889	.16432	1.203	22.559	9.1069	.57586	3.3540	.15479
#1	8.2524	.49187	.12585	20.63	-.01030	.09671	19.515	.02545	1.6033
#2	8.3255	.48689	.12556	20.28	-.01421	.08501	19.675	.02669	1.6068
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	**.11681**	**.45816**	F **-.02482**	**1.3569**
Stddev	.00033	.01966	.00430	.0078
%RSD	.28360	4.2905	17.306	.57269
#1	.11658	.47206	-.02179	1.3514
#2	.11705	.44426	-.02786	1.3624
Check ?	Chk Pass	Chk Pass	Chk Fail	Chk Pass
High Limit			25.000	
Low Limit			-.00500	

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	**1441.1**	**2593.6**	**22233.**	**4507.7**
Stddev	6.8	11.6	92.	11.6
%RSD	.47300	.44865	.41232	.25750
#1	1436.3	2585.4	22298.	4499.5
#2	1446.0	2601.9	22169.	4515.9

Sample Name: CCV Acquired: 4/11/2012 1:42:17 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
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.46798	23.484	.51079	.51147	.47713	.47861	23.310	.51959	.48343	.49082	.48682	24.102
Stddev	.00226	.098	.00461	.00381	.00301	.00187	.010	.00179	.00057	.00128	.00020	.132
%RSD	.48399	.41667	.90321	.74492	.63187	.39166	.04271	.34426	.11889	.26055	.04047	.54944
#1	.46958	23.553	.50753	.50878	.47927	.47994	23.317	.51832	.48302	.48991	.48668	24.196
#2	.46637	23.415	.51405	.51416	.47500	.47729	23.303	.52085	.48384	.49172	.48695	24.008
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	24.591	24.120	.47965	25.331	F .55393	.52167	24.317	.48820	.48872	25.31	.50954	.50897
Stddev	.018	.059	.00567	.120	.00544	.00225	.088	.00165	.00473	.06	.00088	.00606
%RSD	.07173	.24568	1.1828	.47222	.98190	.43079	.36216	.33703	.96835	.2503	.17322	1.1910
#1	24.578	24.161	.48366	25.416	.55778	.52008	24.379	.48936	.49207	25.36	.51016	.51326
#2	24.603	24.078	.47564	25.247	.55009	.52326	24.255	.48703	.48538	25.27	.50891	.50469
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value					.50000							
Range					10.000%							

Elem	Si2881	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	22.953	.49411	.49793	.48374	.51230	.48617	.48522
Stddev	.047	.00208	.00023	.00217	.00058	.00127	.00222
%RSD	.20483	.42141	.04703	.44930	.11297	.26136	.45833
#1	22.919	.49559	.49777	.48220	.51271	.48707	.48679
#2	22.986	.49264	.49810	.48527	.51189	.48527	.48364
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	1945.7	2891.0	25190.	4635.4
Stddev	3.6	13.5	2.	7.6
%RSD	.18359	.46534	.00709	.16480
#1	1948.2	2900.5	25189.	4640.8
#2	1943.1	2881.5	25191.	4630.0

Sample Name: CCB Acquired: 4/11/2012 1:44:31 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	**.00003**	**-.02406**	**.00173**	**-.00013**	**.00014**	**.00014**	**.03003**	**.00005**	**-.00001**	**.00013**	**.00102**	**.00315**
Stddev	.00048	.01330	.00015	.00081	.00001	.00012	.01046	.00025	.00016	.00022	.00040	.01057
%RSD	1359.6	55.286	8.5300	623.59	8.8007	84.403	34.827	524.33	1152.5	166.60	38.857	335.92
#1	.00037	-.03346	.00183	-.00070	.00013	.00023	.03743	-.00013	-.00013	.00029	.00130	.01062
#2	-.00030	-.01465	.00162	.00044	.00015	.00006	.02264	.00022	.00010	-.00002	.00074	-.00433
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
High Limit												
Low Limit												

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	**.00915**	**.00277**	**.00072**	**.00348**	F **.00869**	**-.00005**	**.00295**	**.00056**	**-.00018**	F **.0059**	**-.00328**	**-.00127**
Stddev	.02240	.00022	.00019	.00182	.00064	.00010	.00086	.00053	.00049	.0057	.00069	.00250
%RSD	244.75	7.7765	26.595	52.157	7.3175	192.60	29.050	94.674	270.54	96.51	21.038	196.22
#1	.02499	.00292	.00085	.00477	.00914	-.00012	.00234	.00019	-.00052	.0099	-.00280	.00049
#2	-.00669	.00262	.00058	.00220	.00824	.00002	.00355	.00094	.00016	.0019	-.00377	-.00304
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass
High Limit					.00300					.0030		
Low Limit					-.00300					-.0040		

Elem	Si2881	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.02237**	**.00001**	**.00014**	**-.00042**	**.00053**	**-.00025**	**-.00061**
Stddev	.01451	.00037	.00015	.00000	.00065	.00084	.00015
%RSD	64.868	3922.9	108.46	.71767	124.19	337.75	24.368
#1	.01211	-.00025	.00024	-.00043	.00006	.00034	-.00072
#2	.03264	.00027	.00003	-.00042	.00099	-.00084	-.00051
Check ?	Chk Pass	Chk Pass	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	**2091.7**	**2925.1**	**25923.**	**4635.3**
Stddev	.4	.5	99.	2.3
%RSD	.01949	.01688	.38358	.04992
#1	2091.4	2925.4	25994.	4633.7
#2	2092.0	2924.7	25853.	4637.0

Sample Name: 480-18138-B-1-C@2 Acquired: 4/11/2012 1:47:03 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	**.01249**	**29.471**	**.08908**	**-.00039**	**4.9878**	**.00013**	**841.17**	**.00804**	**.17045**
Stddev	.00006	.081	.00174	.00018	.0011	.00013	11.66	.00016	.00223
%RSD	.48194	.27610	1.9557	46.539	.02151	100.11	1.3863	1.9892	1.3057
#1	.01245	29.413	.09031	-.00026	4.9886	.00004	832.93	.00792	.17202
#2	.01253	29.528	.08785	-.00052	4.9871	.00023	849.42	.00815	.16888
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	**.02845**	**.10756**	**15.982**	**.60846**	**.88906**	**.10812**	**8.2949**	F **136.36**	**.10361**
Stddev	.00048	.00024	.051	.03373	.01018	.00018	.0048	.12	.00209
%RSD	1.6899	.22619	.32039	5.5432	1.1454	.16237	.05786	.08705	2.0133
#1	.02811	.10739	16.019	.58461	.88186	.10800	8.2915	136.28	.10509
#2	.02879	.10774	15.946	.63231	.89626	.10825	8.2982	136.44	.10214
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass
High Limit								20.000	
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	**4.0176**	**.24518**	**.06185**	**10.48**	**-.00589**	**.00924**	**9.9791**	**.01429**	**.79768**
Stddev	.0206	.00126	.00257	.04	.00016	.00834	.0475	.00085	.00006
%RSD	.51262	.51208	4.1486	.3866	2.7559	90.298	.47592	5.9736	.00706
#1	4.0031	.24606	.06366	10.51	-.00578	.01514	10.013	.01369	.79772
#2	4.0322	.24429	.06004	10.45	-.00601	.00334	9.9456	.01489	.79764
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	**.06475**	**.16641**	**.05968**	**.72390**
Stddev	.00205	.00293	.00197	.00221
%RSD	3.1583	1.7622	3.2944	.30488
#1	.06620	.16848	.06107	.72234
#2	.06331	.16434	.05829	.72546
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	**1607.0**	**2690.6**	**23193.**	**4581.8**
Stddev	2.0	1.0	29.	25.5
%RSD	.12752	.03561	.12678	.55701
#1	1605.5	2690.0	23213.	4599.8
#2	1608.4	2691.3	23172.	4563.7

Sample Name: 480-18229-A-1-A@5 Acquired: 4/11/2012 1:49:44 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	**.00024**	**.19095**	**.08870**	**2.8234**	**.05453**	**.00003**	**10.606**	**.00017**	**.01130**
Stddev	.00067	.00523	.00348	.0166	.00032	.00017	.034	.00007	.00014
%RSD	285.15	2.7415	3.9178	.58830	.59310	630.72	.32306	42.353	1.2521
#1	.00071	.18724	.09116	2.8351	.05476	-.00010	10.582	.00023	.01140
#2	-.00024	.19465	.08624	2.8117	.05430	.00015	10.630	.00012	.01120
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	**.14170**	**.00474**	**5.3822**	**189.65**	^ *****	**.01047**	**13.665**	**.10198**	**.00452**
Stddev	.00186	.00013	.0035	.58	-----	.00020	.054	.00327	.00041
%RSD	1.3096	2.7354	.06578	.30600	-----	1.9115	.39347	3.2018	9.0784
#1	.14301	.00483	5.3797	189.24	^ -----	.01061	13.703	.10429	.00481
#2	.14039	.00465	5.3847	190.06	^ -----	.01033	13.627	.09967	.00423
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	**551.41**	**.05728**	**.00275**	**12.70**	**.01226**	**-.00254**	**6.6242**	**.04675**	**.09414**
Stddev	.04	.00214	.00021	.08	.00107	.00417	.0925	.00069	.00021
%RSD	.00661	3.7372	7.7101	.6388	8.7018	163.86	1.3960	1.4668	.22335
#1	551.43	.05879	.00290	12.76	.01301	.00040	6.5588	.04724	.09399
#2	551.38	.05577	.00260	12.65	.01151	-.00549	6.6895	.04627	.09429
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	**.06322**	**-.00305**	**.02069**	**.03752**
Stddev	.00084	.00093	.00065	.00007
%RSD	1.3311	30.409	3.1614	.19113
#1	.06382	-.00371	.02115	.03747
#2	.06263	-.00240	.02023	.03757
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	**1737.8**	**2763.1**	**23493.**	**4736.9**
Stddev	5.3	9.3	3.	31.6
%RSD	.30296	.33591	.01281	.66641
#1	1734.1	2756.6	23490.	4759.2
#2	1741.5	2769.7	23495.	4714.6

Sample Name: 480-18161-1 TOT RAW Acquired: 4/11/2012 1:52:14 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	**-.00047**	**-.00511**	**.00397**	**.01251**	**.04845**	**-.00019**	**66.420**	**.00009**	**.00006**
Stddev	.00014	.00307	.00422	.00055	.00014	.00006	.196	.00014	.00001
%RSD	30.199	60.101	106.14	4.4245	.28708	31.336	.29444	152.19	17.158
#1	-.00037	-.00294	.00099	.01290	.04836	-.00023	66.281	.00019	.00006
#2	-.00058	-.00728	.00695	.01211	.04855	-.00015	66.558	-.00001	.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	**.00063**	**.00149**	**.67706**	**.72348**	**.74705**	**.00270**	**22.904**	**.02699**	**.00017**
Stddev	.00054	.00012	.00495	.00099	.00447	.00068	.117	.00096	.00029
%RSD	85.232	7.8376	.73057	.13702	.59799	25.388	.51265	3.5407	170.03
#1	.00101	.00141	.68056	.72418	.74389	.00221	22.987	.02767	-.00003
#2	.00025	.00157	.67357	.72278	.75021	.00318	22.821	.02631	.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	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	**4.0428**	**.00112**	**.00419**	**8.668**	**-.00112**	**-.00091**	**7.6033**	**-.00148**	**.09571**
Stddev	.0006	.00001	.00102	.138	.00122	.00034	.0631	.00018	.00011
%RSD	.01490	.91252	24.371	1.594	108.32	38.102	.82960	12.378	.11970
#1	4.0432	.00112	.00347	8.765	-.00026	-.00115	7.5587	-.00135	.09579
#2	4.0423	.00113	.00491	8.570	-.00199	-.00066	7.6479	-.00161	.09563
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	**.00143**	**.00428**	**.00019**	**.00118**
Stddev	.00035	.00418	.00043	.00031
%RSD	24.516	97.561	231.12	26.192
#1	.00118	.00133	.00049	.00140
#2	.00168	.00724	-.00012	.00096
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	**2105.2**	**3061.7**	**26793.**	**4961.3**
Stddev	13.7	11.1	78.	9.7
%RSD	.65151	.36286	.29138	.19591
#1	2114.9	3069.5	26738.	4968.1
#2	2095.5	3053.8	26848.	4954.4

Sample Name: 480-18188-1 TOT RAW Acquired: 4/11/2012 1:54:34 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	**-.00046**	**.13862**	**.00521**	**.11566**	**.01876**	**-.00006**	**73.026**	**.00010**	**-.00003**
Stddev	.00036	.00186	.00016	.00038	.00003	.00009	.087	.00013	.00003
%RSD	76.895	1.3418	3.0658	.32898	.15898	135.13	.11916	126.82	86.467
#1	-.00021	.13994	.00510	.11539	.01878	.00000	73.088	.00019	-.00005
#2	-.00071	.13731	.00532	.11593	.01874	-.00013	72.965	.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	**.00760**	**.04132**	**.29998**	**5.2396**	**6.6314**	**.02759**	**30.897**	**.02262**	**.00480**
Stddev	.00180	.00051	.01025	.0091	.0664	.00037	.142	.00018	.00032
%RSD	23.724	1.2296	3.4173	.17404	1.0013	1.3432	.45820	.77911	6.6928
#1	.00888	.04168	.30723	5.2461	6.6784	.02785	30.797	.02274	.00503
#2	.00633	.04096	.29273	5.2332	6.5845	.02732	30.997	.02249	.00457
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	**65.581**	**.00336**	**.00220**	F **80.13**	**-.00185**	**.00178**	**11.128**	**-.00149**	**1.0545**
Stddev	.087	.00072	.00027	.75	.00255	.00672	.026	.00004	.0046
%RSD	.13192	21.568	12.470	.9369	138.12	378.38	.23037	2.4152	.43461
#1	65.642	.00387	.00240	80.66	-.00365	.00653	11.146	-.00152	1.0578
#2	65.520	.00284	.00201	79.60	-.00004	-.00298	11.110	-.00146	1.0513
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	**.00561**	**.00031**	**.01358**	**-.00193**
Stddev	.00089	.00184	.00090	.00025
%RSD	15.797	587.16	6.5897	13.034
#1	.00623	.00161	.01295	-.00175
#2	.00498	-.00099	.01422	-.00211
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	**1993.3**	**2940.9**	**25769.**	**4863.9**
Stddev	2.6	6.8	7.	14.5
%RSD	.13146	.23203	.02685	.29891
#1	1995.2	2945.7	25764.	4853.6
#2	1991.5	2936.1	25774.	4874.1

Sample Name: 480-18188-4 TOT RAW Acquired: 4/11/2012 1:56:56 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	**-.00041**	**.44643**	**.00642**	**.14362**	**.01699**	**-.00006**	**79.776**	**.00023**	**.00018**
Stddev	.00009	.00842	.00146	.00101	.00019	.00036	.175	.00005	.00036
%RSD	21.197	1.8868	22.718	.70595	1.1205	624.88	.21904	22.760	195.02
#1	-.00035	.45238	.00745	.14433	.01686	.00020	79.652	.00019	-.00007
#2	-.00047	.44047	.00539	.14290	.01713	-.00031	79.899	.00026	.00044
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	**.01359**	**.00752**	**.50368**	**5.9120**	**7.6693**	**.03878**	**39.255**	**.04906**	**.00581**
Stddev	.00091	.00050	.00392	.0504	.0029	.00035	.127	.00005	.00002
%RSD	6.6889	6.6998	.77821	.85286	.03807	.89750	.32452	.09175	.34001
#1	.01423	.00788	.50645	5.9476	7.6714	.03853	39.165	.04903	.00580
#2	.01294	.00717	.50091	5.8763	7.6673	.03903	39.345	.04910	.00582
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	**107.64**	**.00959**	**.00232**	F **84.54**	**-.00463**	**.00483**	**11.909**	**-.00242**	**1.4329**
Stddev	.02	.00075	.00078	1.30	.00175	.00088	.070	.00006	.0013
%RSD	.01563	7.8591	33.666	1.533	37.851	18.135	.58547	2.6814	.08906
#1	107.62	.01013	.00177	85.46	-.00587	.00545	11.860	-.00238	1.4338
#2	107.65	.00906	.00287	83.63	-.00339	.00421	11.958	-.00247	1.4320
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	**.01722**	**.00097**	**.01178**	**.00021**
Stddev	.00092	.00118	.00006	.00022
%RSD	5.3352	121.39	.54595	107.11
#1	.01657	.00180	.01174	.00005
#2	.01787	.00014	.01183	.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	**1949.6**	**2920.1**	**25515.**	**4923.5**
Stddev	7.2	4.7	16.	32.3
%RSD	.36830	.15929	.06223	.65547
#1	1954.6	2923.4	25504.	4946.3
#2	1944.5	2916.9	25526.	4900.7

Sample Name: 480-18188-5 TOT RAW Acquired: 4/11/2012 1:59:23 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	**-.00072**	**.00191**	**.00357**	**.24704**	**.02354**	**-.00005**	**21.726**	**.00006**	**-.00011**
Stddev	.00065	.00448	.00239	.00006	.00004	.00020	.134	.00006	.00010
%RSD	89.914	234.64	66.736	.02250	.16040	362.60	.61460	104.22	86.498
#1	-.00026	.00508	.00526	.24700	.02351	.00008	21.820	.00002	-.00018
#2	-.00118	-.00126	.00189	.24708	.02357	-.00019	21.631	.00011	-.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	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	**.00094**	**.00344**	**.16025**	**4.3995**	**5.4086**	**.03777**	**10.695**	**.01675**	**.01286**
Stddev	.00021	.00069	.00515	.0516	.0079	.00083	.038	.00012	.00035
%RSD	22.337	20.174	3.2134	1.1720	.14641	2.2062	.35937	.71929	2.6857
#1	.00079	.00295	.15661	4.4359	5.4030	.03836	10.668	.01667	.01311
#2	.00109	.00393	.16389	4.3630	5.4142	.03718	10.723	.01684	.01262
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	**73.011**	**.00075**	**.00159**	F **29.61**	**-.00267**	**-.00319**	**4.0718**	**-.00121**	**.56553**
Stddev	.007	.00005	.00340	.40	.00015	.00088	.0548	.00045	.00207
%RSD	.00905	6.2090	213.54	1.363	5.5742	27.635	1.3445	37.532	.36683
#1	73.015	.00072	.00399	29.90	-.00277	-.00257	4.1105	-.00089	.56700
#2	73.006	.00078	-.00081	29.33	-.00256	-.00381	4.0331	-.00153	.56406
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	**-.00054**	**-.00035**	**-.00012**	**.05343**
Stddev	.00048	.00347	.00006	.00061
%RSD	88.399	978.92	48.913	1.1459
#1	-.00089	.00210	-.00016	.05386
#2	-.00020	-.00281	-.00008	.05300
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	**2038.8**	**2975.4**	**26121.**	**4920.2**
Stddev	1.4	8.7	88.	20.4
%RSD	.06820	.29353	.33788	.41465
#1	2039.8	2981.5	26058.	4905.8
#2	2037.8	2969.2	26183.	4934.6

Sample Name: 480-18207-1 TOT RAW Acquired: 4/11/2012 2:01:43 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	**.00009**	**-.03829**	**.02784**	**.85744**	**.07660**	**.00005**	**29.435**	**-.00016**	**.00054**
Stddev	.00018	.01817	.00178	.00511	.00038	.00002	.065	.00002	.00011
%RSD	193.36	47.445	6.3937	.59636	.49036	46.315	.22000	13.703	20.840
#1	.00022	-.05114	.02910	.86105	.07633	.00007	29.481	-.00015	.00046
#2	-.00003	-.02545	.02658	.85382	.07687	.00003	29.390	-.00018	.00062
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**	**.00362**	**39.316**	**23.571**	**25.034**	**.00112**	**13.152**	**1.2647**	**-.00074**
Stddev	.00028	.00081	.043	.016	.339	.00091	.063	.0074	.00016
%RSD	26.943	22.243	.10892	.06839	1.3522	81.120	.47927	.58583	21.715
#1	.00084	.00305	39.286	23.560	25.273	.00048	13.107	1.2594	-.00086
#2	.00124	.00419	39.346	23.582	24.794	.00176	13.196	1.2699	-.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	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	**20.615**	**.00386**	**.00206**	**1.037**	**-.00245**	**-.00221**	**7.3704**	**.00150**	**.21098**
Stddev	.001	.00003	.00005	.013	.00184	.00397	.0357	.00082	.00060
%RSD	.00267	.81512	2.5183	1.223	75.397	179.54	.48474	54.509	.28405
#1	20.614	.00389	.00202	1.046	-.00375	-.00502	7.3452	.00207	.21055
#2	20.615	.00384	.00210	1.028	-.00114	.00060	7.3957	.00092	.21140
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	**.00048**	**.00062**	**.00372**	**-.00054**
Stddev	.00011	.00032	.00070	.00027
%RSD	23.549	52.164	18.826	49.354
#1	.00040	.00039	.00323	-.00035
#2	.00056	.00085	.00422	-.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	**2049.9**	**2948.4**	**26339.**	**4957.1**
Stddev	9.0	3.5	89.	6.1
%RSD	.43776	.11716	.33666	.12405
#1	2056.2	2950.9	26401.	4952.8
#2	2043.5	2946.0	26276.	4961.5

Sample Name: MB 480-58646/1-A Acquired: 4/11/2012 2:04:08 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	**.00018**	**.00215**	**.00322**	**.00760**	**.00008**	**-.00017**	**.07485**	**.00009**	**-.00019**
Stddev	.00062	.02817	.00182	.00001	.00000	.00015	.00442	.00011	.00016
%RSD	342.42	1311.1	56.354	.18523	.42534	91.959	5.9064	120.80	84.018
#1	-.00026	-.01777	.00451	.00759	.00008	-.00006	.07172	.00017	-.00031
#2	.00062	.02207	.00194	.00761	.00008	-.00027	.07797	.00001	-.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	**-.00006**	**.00263**	**.02148**	**.01921**	**.00346**	**-.00123**	**-.00233**	**.00096**	**-.00008**
Stddev	.00014	.00056	.00731	.04586	.00001	.00044	.00298	.00002	.00014
%RSD	237.16	21.366	34.020	238.77	.25518	35.664	128.08	2.4944	170.37
#1	.00004	.00303	.02664	.05163	.00345	-.00092	-.00443	.00098	-.00018
#2	-.00016	.00223	.01631	-.01322	.00346	-.00154	-.00022	.00094	.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	**.02326**	**.00054**	**.00031**	F **.0086**	**-.00111**	**-.00302**	**.04482**	**-.00084**	**.00030**
Stddev	.00119	.00035	.00204	.0013	.00096	.00340	.00245	.00058	.00007
%RSD	5.1219	63.829	662.95	14.98	87.216	112.42	5.4748	69.246	23.909
#1	.02410	.00079	.00175	.0095	-.00042	-.00543	.04308	-.00043	.00025
#2	.02241	.00030	-.00114	.0077	-.00179	-.00062	.04655	-.00125	.00035
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	**-.00013**	**-.00071**	**-.00032**	**-.00052**
Stddev	.00058	.00127	.00012	.00070
%RSD	440.69	180.11	36.398	134.35
#1	-.00054	-.00160	-.00041	-.00101
#2	.00028	.00019	-.00024	-.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	**2107.4**	**2905.1**	**26474.**	**4777.6**
Stddev	4.2	1.9	2.	20.8
%RSD	.19968	.06379	.00689	.43454
#1	2104.5	2906.4	26473.	4792.3
#2	2110.4	2903.8	26475.	4762.9

Sample Name: LCS 480-58646/2-A Acquired: 4/11/2012 2:06:34 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	**.04569**	**9.1982**	**.21438**	**.22340**	**.18949**	**.19730**	**9.0202**	**.21218**	**.19351**
Stddev	.00013	.0724	.00079	.00037	.00074	.00032	.0129	.00007	.00020
%RSD	.28805	.78691	.36942	.16467	.39007	.16037	.14295	.03293	.10086
#1	.04578	9.1470	.21494	.22366	.18897	.19708	9.0111	.21223	.19365
#2	.04559	9.2493	.21382	.22314	.19001	.19753	9.0294	.21213	.19338
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	**.19759**	**.19397**	**9.4202**	**9.7530**	**8.8724**	**.18600**	**10.236**	**.20574**	**.21833**
Stddev	.00129	.00007	.0080	.0004	.1075	.00180	.007	.00050	.00020
%RSD	.65445	.03629	.08474	.00389	1.2118	.96592	.06943	.24503	.09384
#1	.19668	.19402	9.4145	9.7528	8.9484	.18473	10.241	.20609	.21847
#2	.19851	.19392	9.4258	9.7533	8.7963	.18727	10.231	.20538	.21818
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	**9.5959**	**.19220**	**.19755**	F **.0025**	**.20056**	**.19877**	**9.3257**	**.18375**	**.20601**
Stddev	.0130	.00217	.00139	.0000	.00184	.00150	.0490	.00092	.00048
%RSD	.13521	1.1316	.70473	.2996	.91930	.75539	.52534	.49833	.23418
#1	9.5867	.19373	.19854	.0025	.20186	.19771	9.2911	.18439	.20635
#2	9.6050	.19066	.19657	.0025	.19925	.19983	9.3603	.18310	.20567
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	**.18513**	**.20885**	**.19033**	**.20835**
Stddev	.00025	.00191	.00029	.00050
%RSD	.13657	.91393	.15364	.24145
#1	.18531	.20750	.19012	.20799
#2	.18495	.21020	.19053	.20870
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	**2030.5**	**2884.3**	**25896.**	**4743.7**
Stddev	1.9	2.4	73.	3.0
%RSD	.09378	.08173	.28357	.06391
#1	2029.2	2882.7	25948.	4745.8
#2	2031.8	2886.0	25844.	4741.6

Sample Name: 480-18218-E-1-A Acquired: 4/11/2012 2:08:55 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	**-.00053**	**.07234**	**.00262**	**.03228**	**.06835**	**.00003**	**68.209**	**.00012**	**.00005**
Stddev	.00044	.02922	.00389	.00052	.00002	.00001	.188	.00017	.00034
%RSD	83.077	40.390	148.28	1.6082	.02818	16.311	.27569	151.93	624.04
#1	-.00022	.09300	.00537	.03264	.06836	.00004	68.342	.00024	-.00019
#2	-.00085	.05168	-.00013	.03191	.06833	.00003	68.076	-.00001	.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	**.00091**	**.00369**	**.33835**	**3.7551**	**3.9965**	**.00120**	**25.876**	**.17041**	**.00275**
Stddev	.00020	.00072	.01461	.0017	.1012	.00103	.182	.00146	.00015
%RSD	22.247	19.457	4.3182	.04645	2.5311	86.284	.70395	.85857	5.4391
#1	.00105	.00318	.34869	3.7539	3.9249	.00047	26.005	.17144	.00285
#2	.00077	.00420	.32802	3.7563	4.0680	.00193	25.748	.16937	.00264
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	**20.596**	**.00270**	**.00167**	**21.32**	**-.00114**	**-.00316**	**.54933**	**-.00089**	**.67851**
Stddev	.132	.00028	.00007	.06	.00157	.00917	.00878	.00059	.00348
%RSD	.63908	10.180	4.1329	.2591	138.25	289.90	1.5988	66.261	.51218
#1	20.689	.00290	.00172	21.36	-.00003	-.00964	.55554	-.00130	.68097
#2	20.503	.00251	.00162	21.28	-.00225	.00332	.54312	-.00047	.67605
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	**.00141**	**.00074**	**.00090**	**.00046**
Stddev	.00065	.00334	.00003	.00031
%RSD	46.373	452.46	3.0283	68.522
#1	.00094	.00310	.00092	.00068
#2	.00187	-.00162	.00088	.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	**1956.0**	**2831.4**	**25198.**	**4665.0**
Stddev	1.8	2.1	39.	28.7
%RSD	.09129	.07349	.15576	.61510
#1	1957.2	2832.9	25170.	4685.3
#2	1954.7	2829.9	25226.	4644.7

Sample Name: CCV Acquired: 4/11/2012 2:11:15 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	Fe2599	K_7664
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.46327	23.439	.52190	.52595	.47439	.47683	23.209	.52834	.48490	.49495	.48120	23.904	24.729
Stddev	.00002	.120	.00049	.00025	.00209	.00206	.122	.00078	.00061	.00087	.00049	.046	.111
%RSD	.00416	.51368	.09479	.04680	.44062	.43208	.52686	.14687	.12617	.17656	.10246	.19261	.44855
#1	.46328	23.354	.52225	.52612	.47291	.47537	23.123	.52889	.48534	.49433	.48155	23.872	24.651
#2	.46326	23.525	.52155	.52578	.47586	.47829	23.296	.52779	.48447	.49557	.48085	23.937	24.808
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	24.727	.47565	25.759	.51267	.53151	24.494	.48700	.49317	25.22	.50517	.51346	23.108	.48436
Stddev	.146	.00210	.199	.00175	.00255	.087	.00008	.00131	.02	.00143	.00483	.130	.00145
%RSD	.58906	.44250	.77094	.34073	.48010	.35688	.01549	.26649	.0696	.28302	.94005	.56231	.30027
#1	24.624	.47416	25.618	.51143	.53331	24.432	.48705	.49410	25.23	.50618	.51688	23.016	.48333
#2	24.830	.47714	25.899	.51390	.52970	24.556	.48694	.49224	25.21	.50416	.51005	23.200	.48539
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	.50774	.47236	.52343	.48405	.49045
Stddev	.00210	.00199	.00245	.00057	.00308
%RSD	.41296	.42123	.46711	.11877	.62823
#1	.50626	.47376	.52171	.48446	.48827
#2	.50922	.47095	.52516	.48364	.49263
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	1952.9	2872.2	25355.	4636.9
Stddev	.8	3.3	185.	29.0
%RSD	.04003	.11561	.72856	.62574
#1	1953.5	2869.9	25486.	4657.4
#2	1952.4	2874.6	25224.	4616.4

Sample Name: CCB Acquired: 4/11/2012 2:13:30 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	**.00047**	**-.02818**	**.00352**	**.00092**	**.00003**	**-.00011**	**.01883**	**.00022**	**-.00007**	**.00041**	**.00198**	**-.00788**	**-.00540**
Stddev	.00125	.00639	.00108	.00041	.00005	.00010	.00694	.00017	.00019	.00023	.00040	.01368	.01743
%RSD	263.94	22.667	30.736	44.095	150.13	94.976	36.862	77.860	257.23	57.188	20.108	173.54	322.77
#1	.00135	-.03270	.00276	.00063	.00006	-.00018	.02373	.00010	.00006	.00058	.00226	-.01755	.00692
#2	-.00041	-.02366	.00429	.00121	.00000	-.00004	.01392	.00034	-.00021	.00024	.00170	.00179	-.01772
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	**.00217**	**-.00077**	**-.00186**	**.00027**	**.00011**	**.00637**	**.00094**	**.00036**	**.0009**	**-.00068**	**-.00662**	**.04073**	**.00017**
Stddev	.00006	.00011	.00029	.00006	.00006	.00248	.00005	.00096	.0034	.00104	.00029	.02536	.00060
%RSD	2.8596	14.505	15.419	22.385	53.639	39.013	5.8447	264.46	365.7	154.40	4.3916	62.271	355.82
#1	.00221	-.00085	-.00165	.00023	.00007	.00461	.00090	-.00032	.0033	.00006	-.00642	.02280	-.00026
#2	.00213	-.00069	-.00206	.00031	.00015	.00812	.00098	.00104	-.0015	-.00142	-.00683	.05866	.00059
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**	**-.00025**	**-.00133**	**.00038**	**-.00054**
Stddev	.00003	.00023	.00147	.00066	.00073
%RSD	44.739	91.424	110.44	173.81	136.08
#1	.00009	-.00009	-.00237	-.00009	-.00105
#2	.00004	-.00042	-.00029	.00085	-.00002
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	**2092.0**	**2900.8**	**26069.**	**4656.3**
Stddev	2.6	4.0	46.	23.1
%RSD	.12395	.13803	.17672	.49590
#1	2093.9	2898.0	26102.	4672.7
#2	2090.2	2903.6	26036.	4640.0

Sample Name: 480-18218-E-2-A Acquired: 4/11/2012 2:15:53 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	**-.00053**	**.08542**	**.00301**	**.03205**	**.06372**	**-.00004**	**66.207**	**.00023**	**-.00014**
Stddev	.00090	.02234	.00143	.00070	.00057	.00006	.707	.00012	.00000
%RSD	168.92	26.155	47.422	2.1851	.89751	148.28	1.0681	52.805	2.1278
#1	.00010	.06962	.00402	.03255	.06331	-.00009	65.707	.00015	-.00014
#2	-.00117	.10121	.00200	.03156	.06412	.00000	66.707	.00032	-.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	**.00111**	**.00308**	**.34557**	**3.5482**	**3.7359**	**.00126**	**24.596**	**.10852**	**.00275**
Stddev	.00028	.00045	.00388	.0904	.0013	.00012	.103	.00042	.00007
%RSD	25.186	14.752	1.1234	2.5489	.03453	9.7467	.41873	.38559	2.7141
#1	.00131	.00276	.34832	3.4842	3.7349	.00118	24.524	.10823	.00269
#2	.00091	.00340	.34283	3.6121	3.7368	.00135	24.669	.10882	.00280
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	**20.578**	**.00183**	**.00141**	**18.61**	**-.00302**	**-.00092**	**1.0045**	**-.00114**	**.72280**
Stddev	.174	.00033	.00386	.07	.00069	.00570	.0454	.00021	.00277
%RSD	.84404	17.823	274.79	.3948	22.890	621.17	4.5163	18.177	.38301
#1	20.455	.00160	-.00133	18.66	-.00351	-.00495	.97240	-.00099	.72084
#2	20.701	.00206	.00414	18.56	-.00253	.00311	1.0366	-.00129	.72475
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	**.00211**	**.00105**	**.00131**	**-.00001**
Stddev	.00015	.00045	.00037	.00024
%RSD	7.2021	42.988	28.374	2421.9
#1	.00222	.00137	.00104	.00016
#2	.00200	.00073	.00157	-.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	**1957.4**	**2843.7**	**25223.**	**4683.2**
Stddev	3.3	7.1	111.	11.0
%RSD	.16894	.25102	.44105	.23402
#1	1955.1	2838.7	25302.	4691.0
#2	1959.8	2848.8	25145.	4675.5

Sample Name: 480-18218-E-3-A Acquired: 4/11/2012 2:18:08 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	**-.00017**	**.08753**	**.00255**	**.02941**	**.06896**	**-.00009**	**66.737**	**.00023**	**.00002**
Stddev	.00028	.00816	.00114	.00006	.00027	.00000	.054	.00017	.00019
%RSD	162.94	9.3244	44.907	.20085	.39102	4.0969	.08152	71.227	979.31
#1	-.00036	.08176	.00174	.02945	.06877	-.00010	66.775	.00035	.00016
#2	.00003	.09330	.00336	.02937	.06915	-.00009	66.698	.00012	-.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	**.00155**	**.00371**	**.52157**	**4.0593**	**4.3176**	**.00045**	**23.463**	**.18840**	**.00203**
Stddev	.00062	.00028	.00836	.0105	.0378	.00035	.031	.00016	.00005
%RSD	39.872	7.5505	1.6033	.25793	.87550	78.107	.13186	.08717	2.5278
#1	.00112	.00351	.52749	4.0667	4.2909	.00070	23.441	.18828	.00200
#2	.00199	.00391	.51566	4.0519	4.3443	.00020	23.484	.18852	.00207
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	**17.895**	**.00264**	**.00011**	**16.44**	**-.00100**	**-.00283**	**.60178**	**-.00087**	**.50715**
Stddev	.011	.00041	.00093	.06	.00289	.00046	.00635	.00016	.00030
%RSD	.06078	15.429	808.01	.3458	290.19	16.130	1.0559	18.650	.05907
#1	17.903	.00293	.00077	16.48	-.00304	-.00315	.59728	-.00098	.50694
#2	17.887	.00236	-.00054	16.40	.00105	-.00250	.60627	-.00075	.50737
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	**.00171**	**-.00033**	**.00106**	**-.00080**
Stddev	.00003	.00302	.00035	.00006
%RSD	1.8473	919.71	33.074	7.5480
#1	.00169	-.00246	.00130	-.00084
#2	.00173	.00181	.00081	-.00076
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	**1967.3**	**2834.7**	**25199.**	**4663.1**
Stddev	1.6	1.8	24.	2.8
%RSD	.07977	.06518	.09453	.06094
#1	1968.5	2833.4	25216.	4665.1
#2	1966.2	2836.0	25182.	4661.0

Sample Name: MB 480-58645/1-A Acquired: 4/11/2012 2:20:23 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	**-.00029**	**-.03242**	**.00342**	**.00417**	**.00007**	**-.00004**	**.05474**	**-.00002**	**-.00018**
Stddev	.00056	.01045	.00183	.00029	.00001	.00011	.01189	.00023	.00001
%RSD	189.79	32.228	53.391	6.9662	12.917	299.58	21.714	1100.5	3.0981
#1	-.00069	-.02503	.00472	.00437	.00007	-.00011	.06314	.00014	-.00019
#2	.00010	-.03981	.00213	.00396	.00008	.00004	.04633	-.00019	-.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	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**	**.00180**	**.01671**	**.02374**	**.00199**	**-.00226**	**.00363**	**.00047**	**-.00017**
Stddev	.00012	.00007	.00922	.01112	.00002	.00020	.00265	.00019	.00051
%RSD	43.836	3.8934	55.151	46.840	1.1158	8.6466	73.004	40.239	293.22
#1	.00019	.00185	.01019	.01588	.00200	-.00240	.00176	.00034	.00019
#2	.00036	.00175	.02323	.03160	.00197	-.00212	.00551	.00061	-.00054
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	**-.00236**	**.00068**	**-.00012**	F **.0263**	**-.00061**	**-.00312**	**.01600**	**-.00146**	**.00023**
Stddev	.00729	.00047	.00195	.0048	.00187	.00407	.01231	.00118	.00005
%RSD	308.45	69.719	1637.9	18.40	305.31	130.16	76.951	80.592	20.381
#1	-.00751	.00034	.00126	.0297	.00071	-.00600	.02471	-.00229	.00026
#2	.00279	.00101	-.00149	.0229	-.00194	-.00025	.00730	-.00063	.00019
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	**-.00036**	**-.00111**	**-.00037**	**-.00110**
Stddev	.00006	.00078	.00062	.00024
%RSD	15.949	70.112	166.90	22.101
#1	-.00032	-.00056	.00007	-.00093
#2	-.00040	-.00166	-.00082	-.00127
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	**2114.1**	**2941.8**	**26368.**	**4741.5**
Stddev	.3	.9	128.	35.7
%RSD	.01379	.03127	.48661	.75211
#1	2113.9	2941.2	26277.	4716.3
#2	2114.3	2942.5	26458.	4766.7

Sample Name: 480-18220-N-1-A Acquired: 4/11/2012 2:22:41 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	**.00015**	**.49235**	**.01942**	**.12089**	**.02583**	**-.00012**	**140.22**	**.00043**	**.00009**
Stddev	.00077	.04476	.00119	.00073	.00013	.00012	.38	.00028	.00020
%RSD	500.04	9.0910	6.1441	.60240	.49953	99.577	.27269	66.106	222.63
#1	-.00039	.46070	.02026	.12140	.02574	-.00004	139.95	.00063	.00024
#2	.00070	.52400	.01858	.12038	.02592	-.00021	140.49	.00023	-.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	**.00269**	**.00266**	**3.5493**	**2.8272**	**3.2596**	**.03623**	**90.416**	**.05551**	**.00939**
Stddev	.00040	.00028	.0192	.0227	.0096	.00038	.338	.00036	.00011
%RSD	14.683	10.695	.53979	.80425	.29426	1.0467	.37328	.65503	1.1492
#1	.00242	.00246	3.5628	2.8433	3.2529	.03596	90.177	.05525	.00932
#2	.00297	.00286	3.5357	2.8111	3.2664	.03650	90.654	.05576	.00947
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	**16.540**	**.00298**	**.00093**	F **109.5**	**-.00448**	**-.00128**	**9.8362**	**-.00094**	**.45267**
Stddev	.081	.00041	.00100	.5	.00063	.00495	.0518	.00055	.00390
%RSD	.48670	13.829	107.11	.4117	14.085	387.37	.52667	58.091	.86220
#1	16.483	.00327	.00163	109.8	-.00403	.00222	9.7996	-.00056	.44991
#2	16.597	.00269	.00023	109.2	-.00492	-.00478	9.8728	-.00133	.45543
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	**.01387**	**-.00203**	**.00149**	**.00058**
Stddev	.00082	.00728	.00006	.00029
%RSD	5.8976	359.01	4.0003	50.035
#1	.01329	-.00718	.00154	.00079
#2	.01445	.00312	.00145	.00038
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	**1871.6**	**2764.2**	**24456.**	**4601.7**
Stddev	7.8	8.5	67.	34.8
%RSD	.41439	.30727	.27257	.75685
#1	1866.1	2758.2	24503.	4626.3
#2	1877.1	2770.2	24409.	4577.1

Sample Name: 480-18220-N-2-A Acquired: 4/11/2012 2:24:58 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	**-.00002**	**6.7652**	**.02158**	**.13884**	**.06004**	**.00047**	**178.94**	**.00054**	**.00403**
Stddev	.00014	.0228	.00114	.00021	.00073	.00018	1.43	.00009	.00016
%RSD	685.83	.33760	5.2957	.14831	1.2227	39.300	.79721	16.743	4.0540
#1	-.00012	6.7491	.02078	.13869	.05952	.00034	177.93	.00047	.00392
#2	.00008	6.7814	.02239	.13898	.06056	.00060	179.95	.00060	.00415
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	**.01042**	**.00983**	**10.929**	**5.9536**	**7.1994**	**.04881**	**117.13**	**.21998**	**.01092**
Stddev	.00017	.00045	.079	.0386	.0276	.00018	.14	.00059	.00020
%RSD	1.6693	4.5672	.72692	.64854	.38372	.36087	.11800	.26754	1.8109
#1	.01054	.00952	10.873	5.9809	7.1799	.04868	117.03	.21957	.01106
#2	.01030	.01015	10.985	5.9263	7.2190	.04893	117.22	.22040	.01078
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	**18.589**	**.01253**	**.00824**	F **132.0**	**-.00194**	**.00388**	**21.450**	**-.00060**	**.49335**
Stddev	.137	.00053	.00179	.6	.00128	.00272	.222	.00007	.00223
%RSD	.73611	4.2058	21.699	.4204	66.340	70.243	1.0355	11.284	.45149
#1	18.492	.01290	.00697	132.3	-.00284	.00581	21.293	-.00055	.49178
#2	18.686	.01216	.00950	131.6	-.00103	.00195	21.607	-.00065	.49493
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	**.11811**	**-.00136**	**.01230**	**.01656**
Stddev	.00214	.00113	.00050	.00076
%RSD	1.8098	82.760	4.0626	4.5809
#1	.11962	-.00056	.01195	.01602
#2	.11660	-.00216	.01266	.01709
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	**1829.1**	**2756.7**	**24384.**	**4638.7**
Stddev	.9	5.0	1.	8.8
%RSD	.04683	.17966	.00325	.18998
#1	1828.5	2753.2	24385.	4632.4
#2	1829.8	2760.2	24384.	4644.9

Sample Name: 480-18220-N-3-A Acquired: 4/11/2012 2:27:16 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	**-.00057**	**.14364**	**.01363**	**.13170**	**.02503**	**-.00007**	**168.38**	**.00045**	**.00002**
Stddev	.00047	.01590	.00057	.00141	.00022	.00004	.10	.00013	.00005
%RSD	82.172	11.070	4.2152	1.0710	.86599	59.911	.06009	29.344	192.82
#1	-.00024	.15488	.01323	.13070	.02488	-.00004	168.45	.00035	.00006
#2	-.00090	.13240	.01404	.13269	.02519	-.00010	168.31	.00054	-.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	**.00125**	**.00281**	**3.5570**	**3.2902**	**3.9710**	**.04411**	**112.83**	**.09369**	**.00812**
Stddev	.00075	.00045	.0323	.0539	.0539	.00012	.18	.00004	.00047
%RSD	59.892	16.045	.90788	1.6386	1.3566	.26436	.15933	.04699	5.7245
#1	.00178	.00313	3.5342	3.2521	4.0090	.04420	112.71	.09372	.00780
#2	.00072	.00249	3.5798	3.3283	3.9329	.04403	112.96	.09366	.00845
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	**21.094**	**.00389**	**.00215**	F **160.5**	**-.00113**	**.00354**	**9.7181**	**-.00146**	**.60039**
Stddev	.004	.00076	.00061	.3	.00095	.00128	.0515	.00029	.00212
%RSD	.01672	19.432	28.413	.1777	83.872	36.059	.53021	20.105	.35372
#1	21.091	.00443	.00172	160.7	-.00180	.00264	9.6816	-.00167	.59888
#2	21.096	.00336	.00258	160.3	-.00046	.00444	9.7545	-.00125	.60189
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	**.00470**	**.00028**	**.00084**	**-.00156**
Stddev	.00053	.00053	.00043	.00056
%RSD	11.258	187.98	50.769	36.034
#1	.00433	-.00009	.00054	-.00116
#2	.00508	.00066	.00114	-.00196
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	**1859.6**	**2779.8**	**24446.**	**4633.9**
Stddev	8.7	2.2	82.	13.4
%RSD	.46640	.08048	.33674	.28938
#1	1853.5	2778.2	24504.	4624.4
#2	1865.8	2781.3	24387.	4643.4

Sample Name: 480-18220-N-4-A Acquired: 4/11/2012 2:29:34 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	**.00017**	**.91385**	**.01370**	**.13876**	**.03338**	**.00002**	**226.54**	**.00062**	**.00050**
Stddev	.00052	.06365	.00330	.00003	.00007	.00007	1.39	.00021	.00021
%RSD	304.33	6.9654	24.126	.02015	.19545	367.38	.61512	34.664	43.258
#1	.00054	.95886	.01604	.13874	.03334	-.00003	227.53	.00077	.00065
#2	-.00020	.86884	.01136	.13878	.03343	.00007	225.55	.00047	.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	**.00364**	**.00411**	**4.6970**	**3.8640**	**4.8324**	**.05909**	**158.39**	**.11105**	**.00587**
Stddev	.00046	.00013	.0154	.0547	.0073	.00009	.35	.00014	.00026
%RSD	12.529	3.0496	.32878	1.4150	.15161	.14406	.22023	.12172	4.3566
#1	.00331	.00420	4.7079	3.9027	4.8376	.05915	158.14	.11095	.00605
#2	.00396	.00402	4.6861	3.8254	4.8272	.05903	158.64	.11114	.00569
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	**28.308**	**.00380**	**.00389**	F **268.1**	**-.00263**	**-.01003**	**11.038**	**-.00151**	**.79403**
Stddev	.021	.00139	.00272	.9	.00200	.00295	.069	.00053	.00323
%RSD	.07367	36.480	69.839	.3314	76.101	29.435	.62277	34.918	.40672
#1	28.323	.00282	.00581	268.8	-.00404	-.00794	11.087	-.00188	.79631
#2	28.294	.00478	.00197	267.5	-.00121	-.01211	10.990	-.00114	.79175
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	**.01962**	**-.00007**	**.00301**	**.00133**
Stddev	.00087	.00120	.00007	.00183
%RSD	4.4201	1831.7	2.3607	137.71
#1	.02023	-.00091	.00296	.00263
#2	.01901	.00078	.00306	.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	**1814.8**	**2760.2**	**24304.**	**4702.7**
Stddev	5.0	5.3	22.	20.3
%RSD	.27319	.19126	.08879	.43084
#1	1811.3	2756.5	24319.	4688.4
#2	1818.3	2764.0	24289.	4717.1

Sample Name: 480-18220-N-5-A Acquired: 4/11/2012 2:31:52 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**	**.11529**	**.01775**	**.12677**	**.01640**	**-.00002**	**302.50**	**.00080**	**.00118**
Stddev	.00078	.00123	.00189	.00080	.00017	.00015	2.52	.00015	.00001
%RSD	210.65	1.0662	10.637	.63437	1.0203	696.77	.83469	18.165	.87074
#1	-.00093	.11616	.01641	.12734	.01652	.00008	304.29	.00070	.00117
#2	.00018	.11442	.01908	.12620	.01629	-.00012	300.72	.00091	.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	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	**.00202**	**.00314**	**8.9643**	**4.8953**	**7.0014**	**.11413**	F **470.20**	**.12655**	**.00399**
Stddev	.00005	.00034	.1184	.0027	.1364	.00012	1.11	.00002	.00013
%RSD	2.4727	10.761	1.3212	.05426	1.9480	.10316	.23540	.01621	3.2103
#1	.00206	.00337	9.0481	4.8935	7.0979	.11405	470.99	.12656	.00408
#2	.00199	.00290	8.8806	4.8972	6.9050	.11422	469.42	.12653	.00390
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	**71.744**	**.00446**	**.00050**	F **751.3**	**-.00461**	**-.00217**	**11.004**	**-.00165**	**.98118**
Stddev	.570	.00069	.00367	1.8	.00199	.00669	.065	.00012	.00777
%RSD	.79447	15.522	728.20	.2452	43.298	308.70	.58682	7.2331	.79181
#1	72.147	.00495	.00310	752.6	-.00602	-.00690	11.050	-.00174	.98667
#2	71.341	.00397	-.00209	750.0	-.00320	.00256	10.959	-.00157	.97568
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	**.00609**	**.00035**	**.00086**	**.00078**
Stddev	.00161	.00393	.00034	.00017
%RSD	26.457	1122.3	40.000	21.436
#1	.00495	.00313	.00062	.00089
#2	.00723	-.00243	.00110	.00066
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	**1708.1**	**2623.6**	**23331.**	**4605.7**
Stddev	3.3	5.9	56.	49.3
%RSD	.19184	.22472	.23871	1.0704
#1	1710.5	2627.8	23291.	4570.9
#2	1705.8	2619.4	23370.	4640.6

Sample Name: 480-18220-N-6-A Acquired: 4/11/2012 2:34:10 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	Ba4554-2	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	**-.00054**	**.58691**	**.00153**	**.14403**	**.01998**	**-.00019**	**330.71**	**.00087**	**.00039**
Stddev	.00010	.02593	.00151	.00035	.00008	.00017	1.12	.00002	.00013
%RSD	17.761	4.4175	98.722	.24317	.39978	90.943	.33992	1.8624	33.878
#1	-.00061	.60524	.00046	.14428	.01993	-.00007	329.91	.00088	.00030
#2	-.00047	.56857	.00259	.14378	.02004	-.00031	331.50	.00086	.00049
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	**.00338**	**.00476**	**4.6088**	**5.0615**	**7.0903**	**.09924**	F **407.66**	**.23345**	**.00421**
Stddev	.00079	.00020	.0105	.0344	.1149	.00190	.53	.00036	.00034
%RSD	23.468	4.1102	.22698	.68032	1.6199	1.9132	.12990	.15312	8.0735
#1	.00394	.00462	4.6014	5.0371	7.0091	.10058	408.03	.23370	.00445
#2	.00282	.00490	4.6162	5.0858	7.1715	.09790	407.28	.23319	.00397
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	**67.970**	**.00360**	**.00149**	F **704.1**	**-.00262**	**.00115**	**11.153**	**-.00096**	**1.1300**
Stddev	.011	.00072	.00182	2.5	.00003	.00468	.070	.00092	.0037
%RSD	.01640	19.946	122.22	.3595	1.0624	406.77	.62895	96.057	.33111
#1	67.978	.00410	.00020	705.9	-.00260	-.00216	11.103	-.00160	1.1274
#2	67.962	.00309	.00278	702.3	-.00264	.00446	11.202	-.00031	1.1326
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	**.01259**	**-.00244**	**.00247**	**.00037**
Stddev	.00028	.00003	.00014	.00151
%RSD	2.2532	1.3913	5.5488	406.66
#1	.01239	-.00246	.00237	.00144
#2	.01280	-.00241	.00257	-.00070
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	**1714.4**	**2636.2**	**23498.**	**4617.4**
Stddev	.9	1.3	16.	19.9
%RSD	.05050	.05094	.06634	.43009
#1	1715.0	2635.3	23487.	4631.5
#2	1713.7	2637.2	23509.	4603.4

Sample Name: 480-18205-1 TOT RAW Acquired: 4/11/2012 2:36:26 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	**-.00035**	**-.03385**	**.00155**	**.02696**	**.03808**	**-.00014**	**32.692**	**-.00011**	**.00001**
Stddev	.00010	.01803	.00003	.00120	.00049	.00003	.072	.00003	.00024
%RSD	29.328	53.274	2.1139	4.4514	1.2857	17.919	.21988	26.292	3670.6
#1	-.00028	-.02110	.00153	.02780	.03773	-.00012	32.641	-.00009	-.00017
#2	-.00042	-.04659	.00158	.02611	.03843	-.00016	32.743	-.00013	.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	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	**.00034**	**.00304**	**1.0493**	**3.9613**	**4.2842**	**.00057**	**18.201**	**.14093**	**-.00005**
Stddev	.00007	.00032	.0087	.0176	.0457	.00105	.049	.00033	.00024
%RSD	20.539	10.496	.83153	.44551	1.0658	182.99	.27094	.23387	510.29
#1	.00029	.00327	1.0431	3.9737	4.2520	.00131	18.166	.14069	-.00022
#2	.00039	.00282	1.0555	3.9488	4.3165	-.00017	18.236	.14116	.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	**18.004**	**.00302**	**.00297**	**2.960**	**-.00249**	**-.01008**	**2.7475**	**-.00143**	**.11118**
Stddev	.035	.00001	.00056	.056	.00063	.00440	.0544	.00029	.00019
%RSD	.19259	.30145	18.807	1.878	25.365	43.689	1.9806	20.629	.16723
#1	17.980	.00303	.00337	2.999	-.00293	-.00696	2.7860	-.00163	.11105
#2	18.029	.00301	.00258	2.921	-.00204	-.01319	2.7090	-.00122	.11131
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	**.00146**	**-.00053**	**-.00010**	**-.00059**
Stddev	.00056	.00046	.00018	.00028
%RSD	38.704	86.885	180.12	47.508
#1	.00106	-.00020	.00003	-.00079
#2	.00186	-.00085	-.00023	-.00039
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	**2114.2**	**3054.2**	**26856.**	**4984.7**
Stddev	3.3	.2	29.	35.7
%RSD	.15577	.00796	.10884	.71536
#1	2116.6	3054.3	26835.	5009.9
#2	2111.9	3054.0	26876.	4959.5

Sample Name: CCV Acquired: 4/11/2012 2:38:47 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
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F .44361	F 22.329	.52955	.52426	.45227	.47228	F 22.255	.52435	.47931	.48617	.47062	23.754
Stddev	.00148	.013	.00309	.00033	.00020	.00017	.071	.00092	.00065	.00069	.00037	.142
%RSD	.33405	.05746	.58320	.06316	.04510	.03632	.32022	.17458	.13608	.14178	.07919	.59610
#1	.44256	22.338	.53173	.52449	.45241	.47216	22.205	.52500	.47977	.48665	.47089	23.855
#2	.44465	22.320	.52736	.52403	.45212	.47240	22.306	.52371	.47885	.48568	.47036	23.654
Check ?	Chk Fail	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value	.50000	25.000					25.000					
Range	-10.000%	-10.000%					-10.000%					

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	24.034	23.481	.45403	26.012	.51554	.53156	23.479	.48624	.49852	25.55	.50745	.52118
Stddev	.079	.019	.00349	.121	.00260	.00002	.009	.00183	.00211	.08	.00141	.00083
%RSD	.32807	.08265	.76813	.46436	.50345	.00400	.04022	.37566	.42375	.3079	.27704	.15939
#1	23.979	23.495	.45649	26.098	.51737	.53154	23.486	.48753	.49702	25.61	.50645	.52059
#2	24.090	23.467	.45156	25.927	.51370	.53157	23.473	.48495	.50001	25.50	.50844	.52176
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	Si2881	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F 21.902	.48062	.49881	.46978	.52597	.47054	.49374
Stddev	.005	.00196	.00124	.00195	.00364	.00182	.00279
%RSD	.02249	.40799	.24887	.41451	.69230	.38752	.56423
#1	21.905	.48201	.49794	.47116	.52854	.47183	.49571
#2	21.898	.47924	.49969	.46840	.52339	.46925	.49177
Check ?	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value	25.000						
Range	-10.000%						

Int. Std.	In2306	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	1977.9	2904.6	25760.	4812.3
Stddev	1.6	1.6	127.	28.2
%RSD	.08316	.05674	.49470	.58579
#1	1979.0	2905.8	25670.	4832.3
#2	1976.7	2903.4	25850.	4792.4

Sample Name: CCB Acquired: 4/11/2012 2:40:58 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	**-.00013**	**-.01846**	**.00209**	**.00054**	**-.00002**	**-.00022**	**.01169**	**-.00001**	**-.00015**	**.00097**	**.00257**	**.00392**	**-.04665**
Stddev	.00011	.00604	.00291	.00030	.00000	.00012	.00516	.00015	.00027	.00010	.00031	.00198	.02229
%RSD	83.373	32.714	138.95	54.764	24.142	53.405	44.109	1125.3	180.12	10.737	12.016	50.421	47.785
#1	-.00020	-.01419	.00415	.00075	-.00002	-.00014	.00804	.00009	.00004	.00090	.00278	.00252	-.03089
#2	-.00005	-.02272	.00004	.00033	-.00001	-.00031	.01533	-.00012	-.00035	.00105	.00235	.00531	-.06241
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	**.00222**	**-.00031**	**.00325**	**-.00001**	**.00017**	**.01174**	**.00107**	**-.00114**	F **.0198**	**-.00298**	**-.00175**	**.04627**	**.00001**
Stddev	.00021	.00070	.01121	.00001	.00042	.00179	.00017	.00006	.0016	.00103	.00138	.04515	.00074
%RSD	9.2499	229.26	344.93	152.31	244.61	15.224	15.448	5.6425	7.930	34.617	78.879	97.588	5433.1
#1	.00207	-.00080	.01118	-.00002	-.00012	.01300	.00095	-.00110	.0187	-.00371	-.00078	.07820	.00054
#2	.00236	.00019	-.00468	.00000	.00047	.01048	.00119	-.00119	.0210	-.00225	-.00273	.01434	-.00051
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	**.00014**	**-.00004**	**-.00121**	**.00040**	**-.00057**
Stddev	.00009	.00008	.00144	.00022	.00019
%RSD	66.448	183.90	118.98	54.802	33.767
#1	.00021	-.00010	-.00223	.00024	-.00071
#2	.00008	.00001	-.00019	.00055	-.00044
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	**2115.9**	**2936.2**	**26446.**	**4754.0**
Stddev	.7	4.1	186.	6.3
%RSD	.03390	.13979	.70247	.13260
#1	2115.4	2939.1	26314.	4758.4
#2	2116.4	2933.3	26577.	4749.5

Sample Name: 480-18213-2 TOT RAW Acquired: 4/11/2012 2:43:17 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	**-.00055**	**.00588**	**.00668**	**2.6812**	**.27896**	**.00004**	**95.144**	**.00047**	**.00126**
Stddev	.00005	.02149	.00098	.0161	.00209	.00005	.200	.00006	.00010
%RSD	8.4023	365.41	14.615	.60191	.75046	123.35	.21027	12.124	8.2400
#1	-.00058	.02107	.00599	2.6927	.27748	.00001	95.286	.00051	.00119
#2	-.00052	-.00931	.00737	2.6698	.28044	.00007	95.003	.00043	.00134
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	**.00204**	**.06246**	**.04334**	**119.97**	**125.74**	**.08798**	**84.374**	**.27989**	**.00141**
Stddev	.00039	.00058	.01229	.16	.29	.00147	.198	.00054	.00062
%RSD	19.351	.93497	28.358	.13393	.23376	1.6674	.23453	.19276	43.914
#1	.00176	.06205	.03465	120.08	125.53	.08902	84.234	.27951	.00097
#2	.00232	.06288	.05203	119.86	125.94	.08695	84.514	.28027	.00185
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	**181.81**	**.01116**	**.00640**	**12.76**	**-.00223**	**-.00578**	**9.1315**	**-.00013**	**1.3504**
Stddev	.44	.00039	.00127	.20	.00076	.00146	.0746	.00063	.0022
%RSD	.24079	3.4902	19.823	1.568	34.195	25.234	.81637	468.60	.15922
#1	182.12	.01089	.00550	12.90	-.00277	-.00681	9.1842	-.00058	1.3519
#2	181.50	.01144	.00730	12.62	-.00169	-.00475	9.0788	.00031	1.3489
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**	**.00216**	**.00008**	**.03225**
Stddev	.00037	.00258	.00068	.00090
%RSD	73.232	119.40	873.50	2.7770
#1	.00077	.00034	.00056	.03161
#2	.00025	.00399	-.00041	.03288
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	**1857.3**	**2841.5**	**25067.**	**4862.7**
Stddev	7.3	12.0	119.	20.2
%RSD	.39171	.42379	.47591	.41555
#1	1862.5	2850.0	25151.	4848.4
#2	1852.2	2832.9	24983.	4876.9

Sample Name: 480-18213-3 TOT RAW Acquired: 4/11/2012 2:45:39 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	**.00043**	**.48974**	**.00681**	**2.7405**	**.59109**	**.00009**	**106.55**	**.00052**	**.00182**
Stddev	.00094	.00366	.00101	.0034	.00468	.00008	.59	.00006	.00023
%RSD	217.01	.74665	14.749	.12429	.79094	89.839	.55193	12.192	12.770
#1	.00110	.48715	.00610	2.7429	.59440	.00014	106.97	.00057	.00198
#2	-.00023	.49233	.00752	2.7381	.58779	.00003	106.14	.00048	.00166
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	**.00141**	**.19434**	**17.242**	**119.40**	**125.08**	**.09357**	**80.881**	**.55750**	**.00097**
Stddev	.00024	.00185	.231	.10	1.22	.00042	.071	.00103	.00038
%RSD	17.405	.95156	1.3369	.08256	.97905	.44892	.08723	.18443	39.341
#1	.00158	.19565	17.405	119.47	125.95	.09387	80.931	.55677	.00124
#2	.00123	.19303	17.079	119.33	124.22	.09328	80.831	.55823	.00070
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	**177.75**	**.01180**	**.01387**	**14.01**	**-.00315**	**-.00187**	**10.452**	**-.00017**	**1.4962**
Stddev	.53	.00057	.00139	.15	.00182	.00032	.083	.00038	.0022
%RSD	.30006	4.8384	9.9931	1.041	57.639	17.360	.79370	221.23	.14753
#1	177.37	.01139	.01485	14.12	-.00187	-.00164	10.511	.00010	1.4946
#2	178.13	.01220	.01289	13.91	-.00444	-.00210	10.393	-.00044	1.4978
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	**.00319**	**-.00281**	**.00170**	**.01610**
Stddev	.00076	.00149	.00049	.00000
%RSD	23.901	53.175	29.049	.01715
#1	.00265	-.00387	.00205	.01610
#2	.00372	-.00175	.00135	.01610
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	**1837.2**	**2821.1**	**24879.**	**4813.0**
Stddev	4.1	6.7	12.	8.6
%RSD	.22530	.23700	.04644	.17936
#1	1840.2	2825.9	24887.	4819.1
#2	1834.3	2816.4	24870.	4806.9

Sample Name: CRI-649194 Acquired: 4/11/2012 2:47:59 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	.00235	.14031	.01229	W .02644	.00202	.00192	.46695	.00116	.00351	.00445	.01132	F .17924
Stddev	.00017	.00908	.00141	.00048	.00002	.00008	.00020	.00020	.00019	.00076	.00019	.00337
%RSD	7.0591	6.4721	11.516	1.8206	1.2323	3.9754	.04212	16.950	5.5418	17.151	1.7132	1.8790
#1	.00246	.13389	.01329	.02610	.00200	.00187	.46682	.00102	.00365	.00499	.01145	.17685
#2	.00223	.14673	.01129	.02678	.00204	.00197	.46709	.00130	.00338	.00391	.01118	.18162
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail
Value				.02000								.05000
Range				30.000%								50.000%

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	.52096	.38134	.02728	.20077	.00328	.01063	.98361	.01015	.00592	F .0247	.01857	.01115
Stddev	.02459	.00589	.00107	.00200	.00010	.00008	.01213	.00041	.00295	.0053	.00273	.00052
%RSD	4.7204	1.5457	3.9313	.99734	2.9082	.78701	1.2333	4.0815	49.867	21.63	14.684	4.7026
#1	.50357	.38551	.02804	.19935	.00321	.01057	.99219	.01045	.00383	.0285	.02050	.01152
#2	.53835	.37717	.02652	.20219	.00335	.01069	.97503	.00986	.00801	.0209	.01664	.01078
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	.51367	W .00513	.00516	.00476	.01974	.00401	.00920
Stddev	.00198	.00043	.00027	.00052	.00056	.00063	.00047
%RSD	.38490	8.3236	5.1684	10.961	2.8568	15.786	5.0742
#1	.51227	.00483	.00534	.00439	.02014	.00357	.00887
#2	.51506	.00544	.00497	.00512	.01934	.00446	.00953
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	2107.5	2918.1	26274.	4754.9
Stddev	10.8	5.0	134.	40.4
%RSD	.51159	.17107	.50934	.84903
#1	2099.9	2914.6	26369.	4726.4
#2	2115.1	2921.6	26179.	4783.5

Sample Name: ICSA-659146 Acquired: 4/11/2012 2:50:19 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	Fe2714	K_7664
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00234**	**465.53**	**.01071**	**.00235**	**.00041**	**-.00010**	**441.76**	**.00272**	**.00004**	**.00206**	**.00441**	**169.18**	**-.01466**
Stddev	.00065	.01	.00511	.00064	.00001	.00019	.24	.00009	.00000	.00080	.00073	.11	.01133
%RSD	27.645	.00181	47.753	27.214	2.8841	179.49	.05530	3.1526	5.1072	38.866	16.613	.06537	77.310
#1	-.00280	465.53	.01433	.00190	.00040	.00003	441.58	.00278	.00004	.00149	.00493	169.10	-.02267
#2	-.00188	465.54	.00709	.00281	.00042	-.00024	441.93	.00266	.00004	.00262	.00389	169.26	-.00664
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	**.00353**	**.00433**	**530.45**	**.00193**	**-.00173**	**.04244**	**.00144**	**-.00576**	F **-.1035**	**-.01460**	**-.01017**	**.03578**	**.00177**
Stddev	.00035	.00012	.21	.00018	.00025	.01045	.00018	.00463	.0081	.00478	.00829	.02126	.00021
%RSD	9.9117	2.7951	.03927	9.1914	14.513	24.634	12.793	80.446	7.855	32.745	81.450	59.421	11.932
#1	.00378	.00442	530.30	.00181	-.00191	.03505	.00131	-.00248	-.0978	-.01122	-.00431	.05082	.00191
#2	.00328	.00425	530.59	.00206	-.00156	.04983	.00157	-.00904	-.1093	-.01799	-.01603	.02075	.00162
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	**.00115**	**.00479**	**-.00034**	**.00455**	**-.00153**
Stddev	.00011	.00010	.00441	.00092	.00089
%RSD	9.6263	2.1325	1314.6	20.336	58.157
#1	.00107	.00472	-.00346	.00520	-.00090
#2	.00122	.00486	.00279	.00389	-.00216
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	**1569.5**	**2571.2**	**22275.**	**4464.0**
Stddev	3.1	4.5	69.	9.1
%RSD	.19897	.17671	.30821	.20486
#1	1567.3	2568.0	22323.	4470.4
#2	1571.7	2574.4	22226.	4457.5

Sample Name: ICSAB-662364 Acquired: 4/11/2012 2:52:34 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	Be3130	Ca3179	Cd2288	Co2286	Cr2677	Cu3247	Fe2714
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.16106**	**459.91**	**.11793**	**.00771**	**.46118**	**.48506**	**434.79**	**1.0925**	**.50270**	**.48799**	**.52915**	**83.685**
Stddev	.00011	.21	.00307	.00082	.00109	.00025	.09	.0013	.00110	.00560	.00125	.247
%RSD	.06941	.04568	2.6070	10.641	.23601	.05216	.02075	.11504	.21839	1.1484	.23555	.29476
#1	.16099	460.06	.11576	.00713	.46041	.48488	434.72	1.0916	.50192	.49195	.53003	83.860
#2	.16114	459.76	.12011	.00829	.46195	.48524	434.85	1.0934	.50347	.48403	.52827	83.511
Check ?	Chk Pass	Chk Pass	Chk Pass	None	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	**-.04188**	**.01185**	**.49627**	**540.49**	**.47976**	**-.00095**	**.06046**	**.96282**	F **.03955**	F **.0177**	**.59852**	**.04808**
Stddev	.01026	.00029	.00331	3.02	.00193	.00015	.00507	.00106	.00117	.0008	.00767	.00081
%RSD	24.497	2.4721	.66655	.55895	.40224	16.121	8.3893	.11036	2.9663	4.749	1.2813	1.6848
#1	-.03462	.01205	.49393	542.63	.48112	-.00084	.05688	.96207	.03872	.0183	.59310	.04866
#2	-.04913	.01164	.49861	538.35	.47839	-.00105	.06405	.96357	.04038	.0171	.60394	.04751
Check ?	None	None	None	Chk Pass	Chk Pass	None	None	Chk Pass	Chk Fail	Chk Fail	Chk Pass	Chk Pass
Value									.05000	.2000		
Range									-20.000%	-20.00%		

Elem	Si2881	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.0539**	**.00054**	**.49470**	**.00352**	**.10651**	**.49076**	**.98091**
Stddev	.0367	.00132	.00242	.00016	.00496	.00007	.00498
%RSD	3.4802	244.40	.48939	4.6119	4.6567	.01456	.50750
#1	1.0280	.00147	.49299	.00341	.11001	.49082	.98443
#2	1.0798	-.00039	.49641	.00364	.10300	.49071	.97739
Check ?	Chk Pass	None	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	**1582.6**	**2585.8**	**22343.**	**4510.4**
Stddev	.4	4.6	102.	30.6
%RSD	.02240	.17803	.45441	.67789
#1	1582.8	2589.1	22271.	4488.7
#2	1582.3	2582.6	22414.	4532.0

Sample Name: CCV Acquired: 4/11/2012 2:54:45 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	.46354	23.545	.50982	.51233	.47511	.47397	23.090	.51851	.47571	.48702	.48151	23.782	24.555
Stddev	.00290	.019	.00428	.00369	.00176	.00293	.120	.00450	.00315	.00212	.00145	.029	.071
%RSD	.62650	.08149	.83928	.71953	.37057	.61921	.51897	.86772	.66275	.43506	.30169	.12034	.28965
#1	.46560	23.532	.51284	.51494	.47387	.47189	23.005	.52169	.47794	.48553	.48048	23.762	24.505
#2	.46149	23.559	.50679	.50972	.47636	.47604	23.175	.51533	.47348	.48852	.48254	23.802	24.606
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	24.384	.47912	25.278	.50478	.52068	24.346	.47914	.48787	25.03	.50189	.50320	22.884	.47852
Stddev	.648	.00096	.005	.00017	.00660	.033	.00118	.00751	.15	.00047	.00845	.083	.00375
%RSD	2.6554	.20061	.02100	.03319	1.2680	.13418	.24660	1.5400	.5881	.09337	1.6783	.36204	.78364
#1	23.926	.47980	25.274	.50466	.52535	24.323	.47998	.49318	25.14	.50222	.50917	22.826	.48117
#2	24.842	.47844	25.281	.50490	.51601	24.369	.47831	.48256	24.93	.50156	.49722	22.943	.47586
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	.49922	.47494	.50709	.47951	.48123
Stddev	.00196	.00100	.00148	.00146	.00309
%RSD	.39345	.21078	.29089	.30466	.64179
#1	.49783	.47423	.50814	.47847	.48341
#2	.50061	.47565	.50605	.48054	.47904
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	1957.8	2886.6	25447.	4657.2
Stddev	3.2	4.9	72.	26.4
%RSD	.16423	.17147	.28267	.56724
#1	1955.6	2883.1	25396.	4675.9
#2	1960.1	2890.1	25498.	4638.5

Sample Name: CCB Acquired: 4/11/2012 2:57:23 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	**.00070**	**-.02954**	**.00151**	**.00089**	**.00003**	**-.00003**	**.01828**	**.00022**	**-.00014**	**.00002**	**.00145**	**.04164**	**.01153**
Stddev	.00078	.04622	.00149	.00007	.00003	.00006	.00263	.00009	.00008	.00017	.00019	.00610	.05148
%RSD	111.67	156.46	98.826	7.6609	95.793	180.59	14.402	40.249	55.403	746.50	13.427	14.646	446.52
#1	.00015	.00314	.00256	.00084	.00004	.00001	.01641	.00015	-.00020	.00014	.00158	.03733	.04793
#2	.00124	-.06223	.00045	.00094	.00001	-.00008	.02014	.00028	-.00009	-.00010	.00131	.04596	-.02487
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	**.00274**	**-.00061**	**.00720**	**.00010**	**.00014**	**.00415**	**.00075**	**-.00056**	F **.0058**	**-.00259**	**.00136**	**.02325**	**-.00024**
Stddev	.00036	.00101	.00707	.00015	.00007	.00438	.00081	.00258	.0025	.00096	.00358	.01237	.00011
%RSD	13.072	167.46	98.156	148.13	49.246	105.49	107.32	463.33	42.96	37.033	263.99	53.195	46.226
#1	.00248	-.00132	.01220	.00021	.00009	.00106	.00018	.00127	.0075	-.00327	-.00118	.03199	-.00032
#2	.00299	.00011	.00220	.00000	.00018	.00725	.00132	-.00238	.0040	-.00191	.00389	.01450	-.00016
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	**.00015**	**-.00023**	**-.00019**	**-.00042**	**-.00065**
Stddev	.00002	.00035	.00095	.00043	.00044
%RSD	13.549	153.20	506.07	100.42	67.766
#1	.00016	.00002	.00048	-.00073	-.00034
#2	.00013	-.00048	-.00086	-.00012	-.00096
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	**2099.5**	**2920.5**	**26049.**	**4627.7**
Stddev	3.1	.3	110.	5.3
%RSD	.15003	.01032	.42139	.11361
#1	2101.8	2920.7	25971.	4624.0
#2	2097.3	2920.3	26126.	4631.4

Run File: I2041212A Instrument: ICAP2

Analyst: LMH Data Review: LMH 4/13/12

Spikes IDs: 550211, 550210, 635129(Sn), 635131(Ag), 226744(TCLP), 635130 (Si)
Pipette IDs: 01-20-12-(1-7,8,10,13,14)
Internal Standard: 674696

Seq#	Run File ID	Sample ID	Date / Time	Type
1	I2041212A	IC-665389	04/12/12 03:05 PM	Standard
2	I2041212A	IC-680419	04/12/12 03:07 PM	Standard
3	I2041212A	IC-680416	04/12/12 03:10 PM	Standard
4	I2041212A	IC-680390	04/12/12 03:11 PM	Standard
5	I2041212A	ICV-668707	04/12/12 03:14 PM	QC
6	I2041212A	ICB-665389	04/12/12 03:16 PM	QC
7	I2041212A	CRI-649194	04/12/12 03:18 PM	QC
8	I2041212A	ICSA-659146	04/12/12 03:20 PM	QC
9	I2041212A	ICSAB-662364	04/12/12 03:22 PM	QC
10	I2041212A	CCV-665391	04/12/12 03:24 PM	QC
11	I2041212A	CCB-665389	04/12/12 03:26 PM	QC
12	I2041212A	18327-7 SOL RAW	04/12/12 03:28 PM	Unknown
13	I2041212A	18279-1 TOT RAW	04/12/12 03:30 PM	Unknown
14	I2041212A	18296-1 TOT RAW	04/12/12 03:32 PM	Unknown
15	I2041212A	CCV	04/12/12 03:35 PM	QC
16	I2041212A	CCB	04/12/12 03:37 PM	QC
17	I2041212A	18297-4 TOT RAW	04/12/12 03:39 PM	Unknown
18	I2041212A	480-18292-A-3-A	04/12/12 03:41 PM	Unknown
19	I2041212A	480-18306-B-1-A@2	04/12/12 03:44 PM	Unknown
20	I2041212A	480-18327-C-4-A	04/12/12 03:46 PM	Unknown
21	I2041212A	480-18327-C-5-A	04/12/12 03:48 PM	Unknown
22	I2041212A	480-18327-C-6-A	04/12/12 03:50 PM	Unknown
23	I2041212A	480-18327-C-7-A	04/12/12 03:53 PM	Unknown
24	I2041212A	480-18327-C-8-A	04/12/12 03:55 PM	Unknown
25	I2041212A	480-18308-H-1-A	04/12/12 03:57 PM	Unknown
26	I2041212A	480-18308-H-2-A	04/12/12 03:59 PM	Unknown
27	I2041212A	CCV	04/12/12 04:01 PM	QC
28	I2041212A	CCB	04/12/12 04:03 PM	QC
29	I2041212A	480-18308-H-3-A	04/12/12 04:05 PM	Unknown
30	I2041212A	480-18308-H-4-A	04/12/12 04:07 PM	Unknown
31	I2041212A	480-18308-H-5-A	04/12/12 04:10 PM	Unknown
32	I2041212A	480-18308-H-6-A	04/12/12 04:12 PM	Unknown
33	I2041212A	480-18307-A-1-A	04/12/12 04:14 PM	Unknown
34	I2041212A	480-18314-F-1-A	04/12/12 04:17 PM	Unknown
35	I2041212A	MB 480-58757/11-B	04/12/12 04:19 PM	Unknown
36	I2041212A	LCS 480-58757/12-B	04/12/12 04:21 PM	Unknown
37	I2041212A	480-18346-A-1-A	04/12/12 04:23 PM	Unknown
38	I2041212A	480-18346-A-2-A	04/12/12 04:25 PM	Unknown
39	I2041212A	CCV	04/12/12 04:28 PM	QC
40	I2041212A	CCB	04/12/12 04:30 PM	QC
41	I2041212A	480-18346-A-4-A	04/12/12 04:32 PM	Unknown

42	I2041212A	480-18346-A-4-A SD@5	04/12/12 04:34 PM Unknown
43	I2041212A	480-18346-A-4-A PDS	04/12/12 04:36 PM Unknown
44	I2041212A	480-18346-A-4-B MS	04/12/12 04:38 PM Unknown
45	I2041212A	480-18346-A-4-C MSD	04/12/12 04:40 PM Unknown
46	I2041212A	MB 480-58757/13-B	04/12/12 04:42 PM Unknown
47	I2041212A	LCS 480-58757/14-B	04/12/12 04:44 PM Unknown
48	I2041212A	480-18356-A-1-A	04/12/12 04:46 PM Unknown
49	I2041212A	480-18356-A-2-A	04/12/12 04:48 PM Unknown
50	I2041212A	480-18356-A-3-A	04/12/12 04:51 PM Unknown
51	I2041212A	CCV	04/12/12 04:53 PM QC
52	I2041212A	CCB	04/12/12 04:55 PM QC
53	I2041212A	480-18356-A-3-A SD@5	04/12/12 04:57 PM Unknown
54	I2041212A	480-18356-A-3-A PDS	04/12/12 04:59 PM Unknown
55	I2041212A	480-18356-A-3-B MS	04/12/12 05:02 PM Unknown
56	I2041212A	480-18356-A-3-C MSD	04/12/12 05:04 PM Unknown
57	I2041212A	480-18356-A-4-A	04/12/12 05:06 PM Unknown
58	I2041212A	480-18356-A-5-A	04/12/12 05:08 PM Unknown
59	I2041212A	480-18356-A-6-A	04/12/12 05:10 PM Unknown
60	I2041212A	480-18356-A-7-A	04/12/12 05:13 PM Unknown
61	I2041212A	480-18356-A-8-A	04/12/12 05:15 PM Unknown
62	I2041212A	480-18356-A-9-A	04/12/12 05:17 PM Unknown
63	I2041212A	CCV	04/12/12 05:19 PM QC
64	I2041212A	CCB	04/12/12 05:21 PM QC
65	I2041212A	480-18356-A-10-A	04/12/12 05:23 PM Unknown
66	I2041212A	480-18361-B-1-A	04/12/12 05:25 PM Unknown
67	I2041212A	480-18361-B-2-A	04/12/12 05:27 PM Unknown
68	I2041212A	480-18368-D-1-A	04/12/12 05:30 PM Unknown
69	I2041212A	480-18368-D-2-A	04/12/12 05:32 PM Unknown
70	I2041212A	480-18366-D-4-A	04/12/12 05:34 PM Unknown
71	I2041212A	480-18366-D-1-A	04/12/12 05:36 PM Unknown
72	I2041212A	MB 480-58757/15-B	04/12/12 05:38 PM Unknown
73	I2041212A	LCS 480-58757/16-B	04/12/12 05:40 PM Unknown
74	I2041212A	480-18380-B-1-A	04/12/12 05:42 PM Unknown
75	I2041212A	CCV	04/12/12 05:44 PM QC
76	I2041212A	CCB	04/12/12 05:46 PM QC
77	I2041212A	480-18380-B-2-A	04/12/12 05:49 PM Unknown
78	I2041212A	480-18380-B-3-A	04/12/12 05:51 PM Unknown
79	I2041212A	480-18380-B-3-A SD@5	04/12/12 05:53 PM Unknown
80	I2041212A	480-18380-B-3-A PDS	04/12/12 05:55 PM Unknown
81	I2041212A	480-18380-B-3-B MS	04/12/12 05:57 PM Unknown
82	I2041212A	480-18380-B-3-C MSD	04/12/12 05:59 PM Unknown
83	I2041212A	480-18380-B-4-A	04/12/12 06:01 PM Unknown
84	I2041212A	480-18380-B-5-A	04/12/12 06:03 PM Unknown
85	I2041212A	480-18380-B-6-A	04/12/12 06:05 PM Unknown
86	I2041212A	480-18380-B-7-A	04/12/12 06:07 PM Unknown
87	I2041212A	CCV	04/12/12 06:10 PM QC
88	I2041212A	CCB	04/12/12 06:12 PM QC
89	I2041212A	480-18381-D-1-A	04/12/12 06:14 PM Unknown
90	I2041212A	480-18381-D-2-A	04/12/12 06:16 PM Unknown
91	I2041212A	480-18381-D-3-A	04/12/12 06:18 PM Unknown

92	I2041212A	480-18381-D-4-A	04/12/12 06:20 PM Unknown
93	I2041212A	480-18381-D-5-A	04/12/12 06:22 PM Unknown
94	I2041212A	480-18381-D-6-A	04/12/12 06:24 PM Unknown
95	I2041212A	480-18381-D-7-A	04/12/12 06:26 PM Unknown
96	I2041212A	480-18381-D-8-A	04/12/12 06:28 PM Unknown
97	I2041212A	480-18381-D-9-A	04/12/12 06:30 PM Unknown
98	I2041212A	480-18383-E-1-A	04/12/12 06:33 PM Unknown
99	I2041212A	CCV	04/12/12 06:35 PM QC
100	I2041212A	CCB	04/12/12 06:37 PM QC
101	I2041212A	480-18383-E-2-A	04/12/12 06:39 PM Unknown
102	I2041212A	MB 480-58757/19-B	04/12/12 06:41 PM Unknown
103	I2041212A	LCS 480-58757/20-B	04/12/12 06:43 PM Unknown
104	I2041212A	480-18372-B-1-A	04/12/12 06:45 PM Unknown
105	I2041212A	480-18372-B-2-A	04/12/12 06:47 PM Unknown
106	I2041212A	480-18372-B-3-A	04/12/12 06:50 PM Unknown
107	I2041212A	480-18372-B-3-A SD@5	04/12/12 06:52 PM Unknown
108	I2041212A	480-18372-B-3-A PDS	04/12/12 06:54 PM Unknown
109	I2041212A	480-18372-B-3-B MS	04/12/12 06:56 PM Unknown
110	I2041212A	480-18372-B-3-C MSD	04/12/12 06:59 PM Unknown
111	I2041212A	CCV	04/12/12 07:01 PM QC
112	I2041212A	CCB	04/12/12 07:03 PM QC
113	I2041212A	480-18372-B-4-A	04/12/12 07:05 PM Unknown
114	I2041212A	480-18372-B-5-A	04/12/12 07:07 PM Unknown
115	I2041212A	480-18385-B-1-A	04/12/12 07:10 PM Unknown
116	I2041212A	480-18385-B-2-A	04/12/12 07:12 PM Unknown
117	I2041212A	480-18385-B-3-A	04/12/12 07:15 PM Unknown
118	I2041212A	480-18385-B-4-A	04/12/12 07:17 PM Unknown
119	I2041212A	480-18385-B-5-A	04/12/12 07:19 PM Unknown
120	I2041212A	480-18385-B-6-A	04/12/12 07:21 PM Unknown
121	I2041212A	480-18385-B-7-A	04/12/12 07:24 PM Unknown
122	I2041212A	480-18385-B-8-A	04/12/12 07:26 PM Unknown
123	I2041212A	CCV	04/12/12 07:29 PM QC
124	I2041212A	CCB	04/12/12 07:31 PM QC
125	I2041212A	480-18389-D-1-A	04/12/12 07:33 PM Unknown
126	I2041212A	480-18389-D-2-A	04/12/12 07:35 PM Unknown
127	I2041212A	MB 480-58757/27-C	04/12/12 07:37 PM Unknown
128	I2041212A	LCS 480-58757/28-C	04/12/12 07:39 PM Unknown
129	I2041212A	480-18398-C-1-A	04/12/12 07:41 PM Unknown
130	I2041212A	480-18398-C-2-A	04/12/12 07:43 PM Unknown
131	I2041212A	480-18398-C-3-A	04/12/12 07:45 PM Unknown
132	I2041212A	480-18398-C-4-A	04/12/12 07:47 PM Unknown
133	I2041212A	480-18398-C-5-A	04/12/12 07:49 PM Unknown
134	I2041212A	480-18398-C-6-A	04/12/12 07:51 PM Unknown
135	I2041212A	CCV	04/12/12 07:54 PM QC
136	I2041212A	CCB	04/12/12 07:56 PM QC
137	I2041212A	480-18398-C-7-A	04/12/12 07:58 PM Unknown
138	I2041212A	480-18398-C-8-A	04/12/12 08:00 PM Unknown
139	I2041212A	480-18398-C-9-A	04/12/12 08:02 PM Unknown
140	I2041212A	480-18398-C-10-A	04/12/12 08:04 PM Unknown
141	I2041212A	480-18398-C-11-A	04/12/12 08:06 PM Unknown

142	I2041212A	480-18407-J-1-A	04/12/12 08:08 PM Unknown
143	I2041212A	480-18407-J-2-A	04/12/12 08:10 PM Unknown
144	I2041212A	480-18407-J-3-A	04/12/12 08:12 PM Unknown
145	I2041212A	480-18407-J-3-A SD@5	04/12/12 08:15 PM Unknown
146	I2041212A	480-18407-J-3-A PDS	04/12/12 08:17 PM Unknown
147	I2041212A	CCV	04/12/12 08:19 PM QC
148	I2041212A	CCB	04/12/12 08:21 PM QC
149	I2041212A	480-18407-J-3-B MS	04/12/12 08:23 PM Unknown
150	I2041212A	480-18407-J-3-C MSD	04/12/12 08:25 PM Unknown
151	I2041212A	480-18408-G-1-B	04/12/12 08:28 PM Unknown
152	I2041212A	480-18408-G-2-B	04/12/12 08:30 PM Unknown
153	I2041212A	480-18408-G-3-B	04/12/12 08:32 PM Unknown
154	I2041212A	480-18408-G-4-B	04/12/12 08:34 PM Unknown
155	I2041212A	CCV	04/12/12 08:37 PM QC
156	I2041212A	CCB	04/12/12 08:39 PM QC

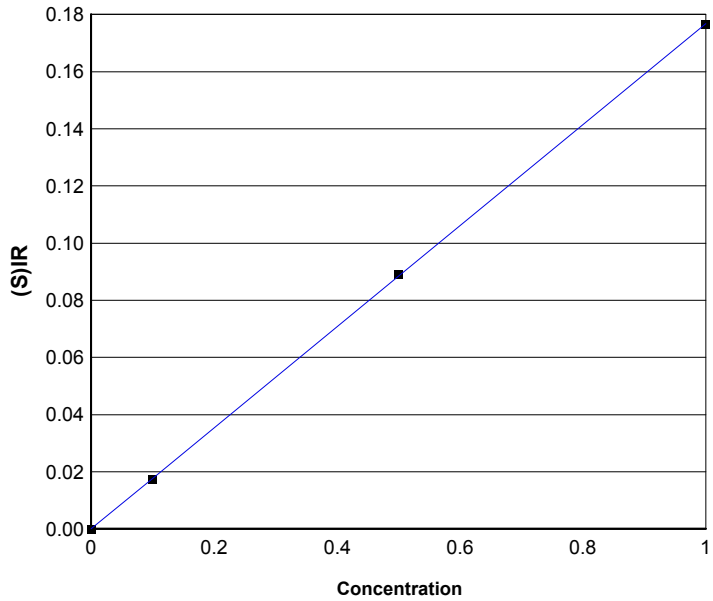
I2041212A

Author: LMH

Published: 4/13/2012 7:49:17AM

Instrument Name: ICAP 2 Serial Number: 20094602

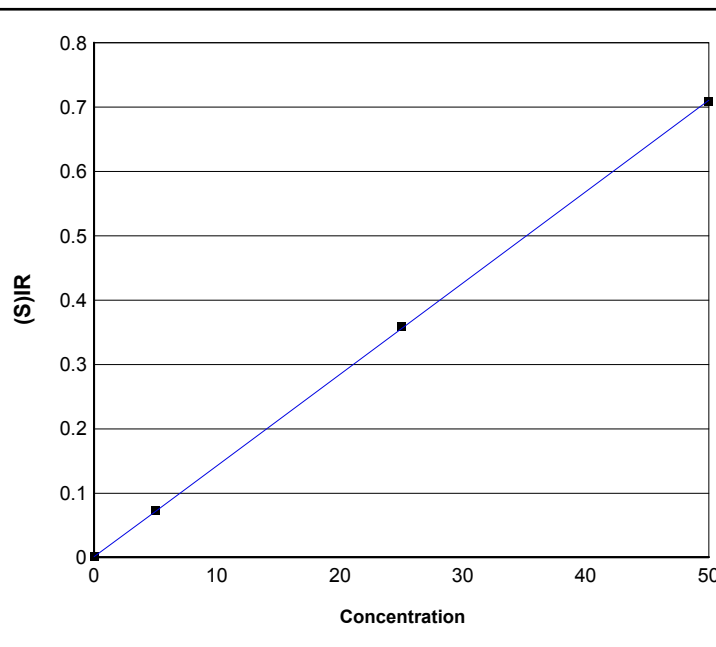
Method Name: ICAP2 2012 (35)



Element Name:	Ag
Element Wavelength:	Ag 328.068 nm
Concentration Units:	ppm
Date of Calibration:	4/12/2012 3:13:56PM
Date of Fit:	4/12/2012 3:13:56PM
Type of Fit:	Linear
Correlation:	0.99999
A0 (Offset):	0.0000035889
A1 (Gain):	0.17684
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

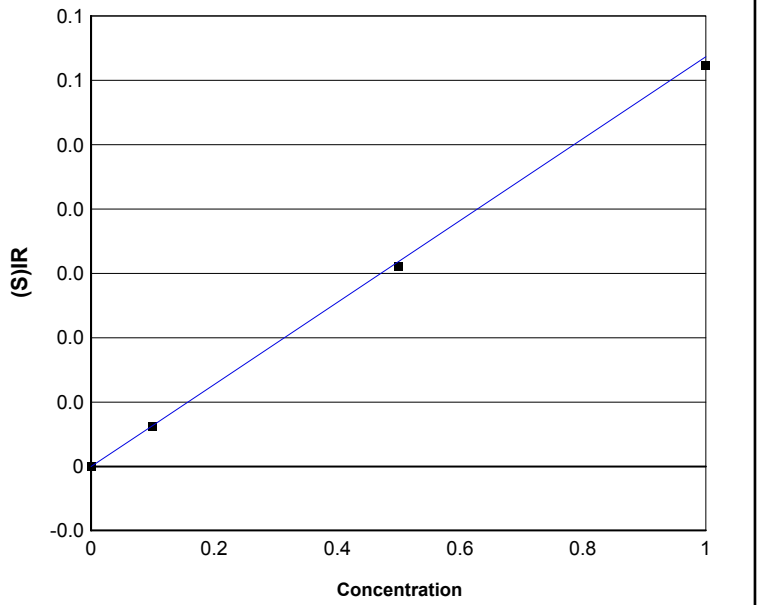
Standard Name	Stated	Found	Diff	% Diff	(S)IR	Stddev	Emphasis
IC1	0.00000	0.0000000000	0.0000011592	0.00000	0.0000037939	0.00022733	1
IC4	1.0000	1.00000	-0.0014494	-0.14494	0.17662	0.0017044	1
IC2	0.10000	0.100000	-0.0016301	-1.6301	0.017403	0.000052202	1
IC3	0.50000	0.50000	0.0030796	0.61592	0.088987	0.00036024	1



Element Name:	Al
Element Wavelength:	Al 308.215 nm
Concentration Units:	ppm
Date of Calibration:	4/12/2012 3:13:56PM
Date of Fit:	4/12/2012 3:13:56PM
Type of Fit:	Linear
Correlation:	0.99998
A0 (Offset):	0.00070040
A1 (Gain):	0.014206
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

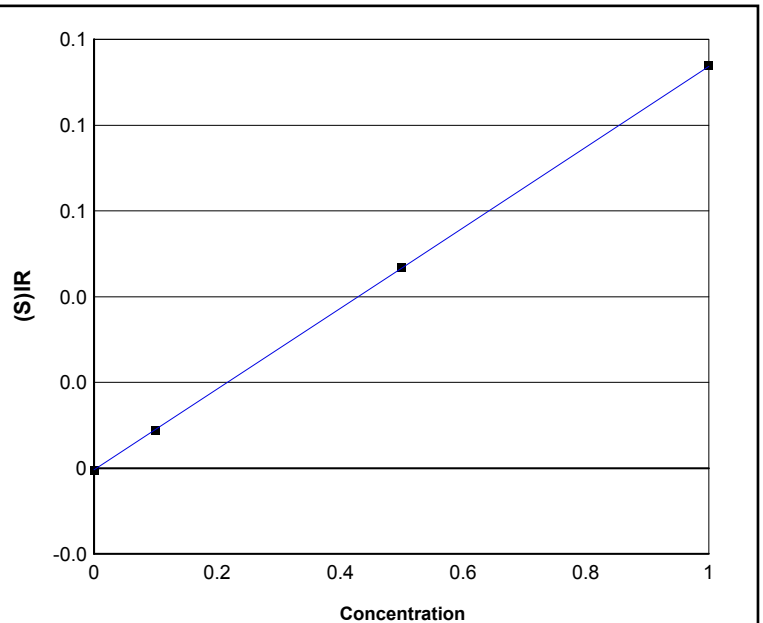
Standard Name	Stated	Found	Diff	% Diff	(S)IR	Stddev	Emphasis
IC1	0.00000	0.000000000	-0.000050440	0.00000	0.00069969	0.00043079	1
IC4	50.000	49.750	-0.24749	-0.49497	0.70831	0.0048577	1
IC2	5.0000	5.0300	0.032115	0.64229	0.072269	0.00041158	1
IC3	25.000	25.220	0.21537	0.86149	0.35932	0.0029952	1



Element Name:	As
Element Wavelength:	As 189.042 nm
Concentration Units:	ppm
Date of Calibration:	4/12/2012 3:13:56PM
Date of Fit:	4/12/2012 3:13:56PM
Type of Fit:	Linear
Correlation:	1.00000
A0 (Offset):	-0.000049146
A1 (Gain):	0.063724
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

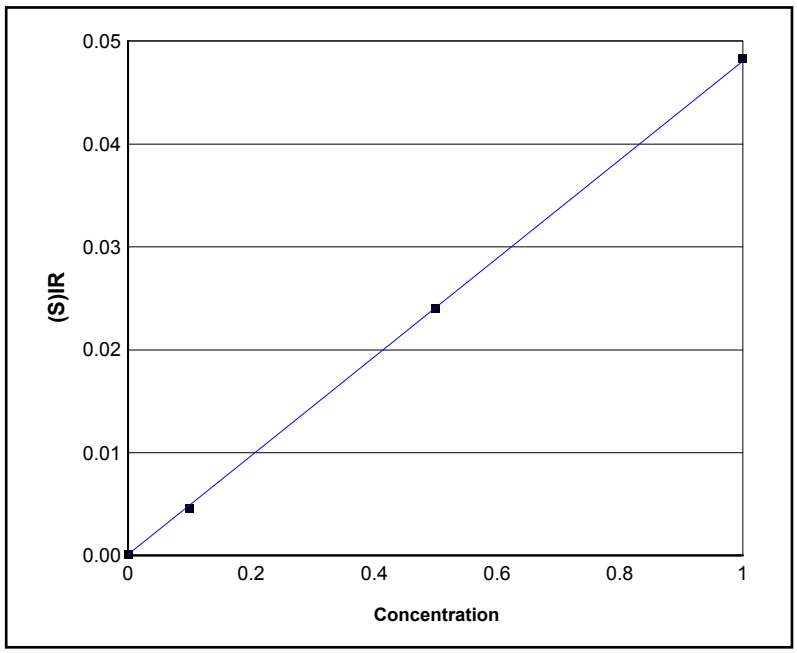
Standard Name	Stated	Found	Diff	% Diff	(S)IR	Stddev	Emphasis
IC1	0.00000	0.0000000000	0.0000004156	0.00000	-0.000049119	0.00013878	1
IC4	1.0000	1.0000	0.000081770	0.0081770	0.062294	0.00039668	1
IC2	0.10000	0.100000	-0.00050932	-0.50932	0.0061522	0.00017381	1
IC3	0.50000	0.50000	0.00042755	0.085510	0.031147	0.00021956	1



Element Name:	As
Element Wavelength:	As 193.759 nm
Concentration Units:	ppm
Date of Calibration:	4/12/2012 3:13:56PM
Date of Fit:	4/12/2012 3:13:56PM
Type of Fit:	Linear
Correlation:	1.0000
A0 (Offset):	-0.0004050
A1 (Gain):	0.09419
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

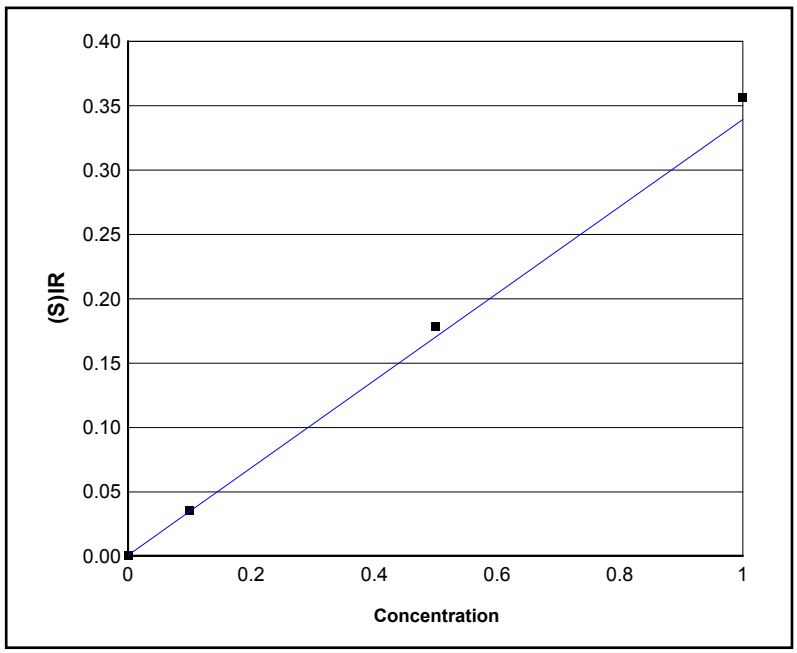
Standard Name	Stated	Found	Diff	% Diff	(S)IR	Stddev	Emphasis
IC1	0.0000	0.000000000	0.000001940	0.0000	-0.0004048	0.00008176	1
IC4	1.000	1.000	0.001160	0.1160	0.09390	0.0007640	1
IC2	0.1000	0.10000	-0.002280	-2.280	0.008800	0.00002103	1
IC3	0.5000	0.5000	0.001120	0.2240	0.04680	0.0001838	1



Element Name:	As
Element Wavelength:	As 197.262 nm
Concentration Units:	ppm
Date of Calibration:	4/12/2012 3:13:56PM
Date of Fit:	4/12/2012 3:13:56PM
Type of Fit:	Linear
Correlation:	0.9999
A0 (Offset):	0.00009412
A1 (Gain):	0.04795
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

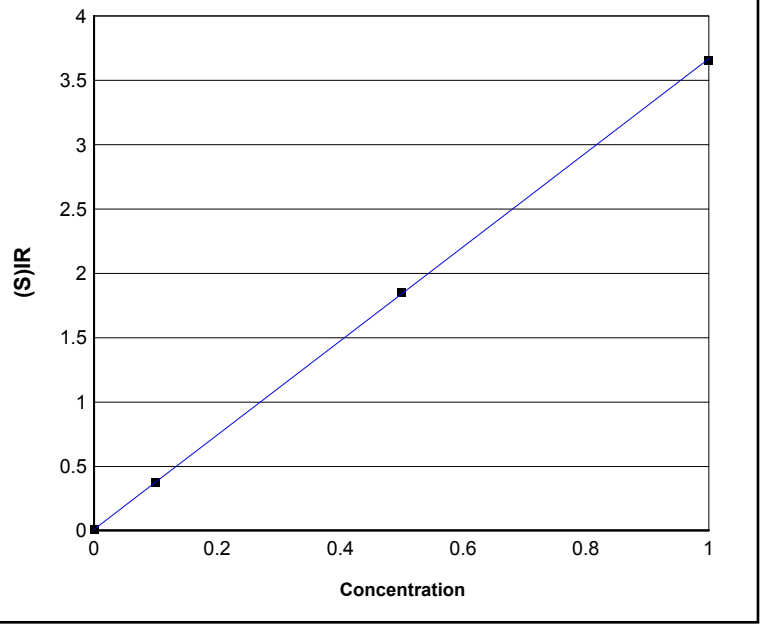
Standard Name	Stated	Found	Diff	% Diff	(S)IR	Stddev	Emphasis
IC1	0.0000	0.000000000	0.000005424	0.0000	0.00009438	0.00001478	1
IC4	1.000	1.010	0.006310	0.6310	0.04835	0.0002563	1
IC2	0.1000	0.09000	-0.005992	-5.992	0.004602	0.00004092	1
IC3	0.5000	0.5000	-0.0003181	-0.06363	0.02405	0.0004014	1



Element Name:	B
Element Wavelength:	B 208.959 nm
Concentration Units:	ppm
Date of Calibration:	4/12/2012 3:13:56PM
Date of Fit:	4/12/2012 3:13:56PM
Type of Fit:	Linear
Correlation:	0.99999
A0 (Offset):	0.00062728
A1 (Gain):	0.33887
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

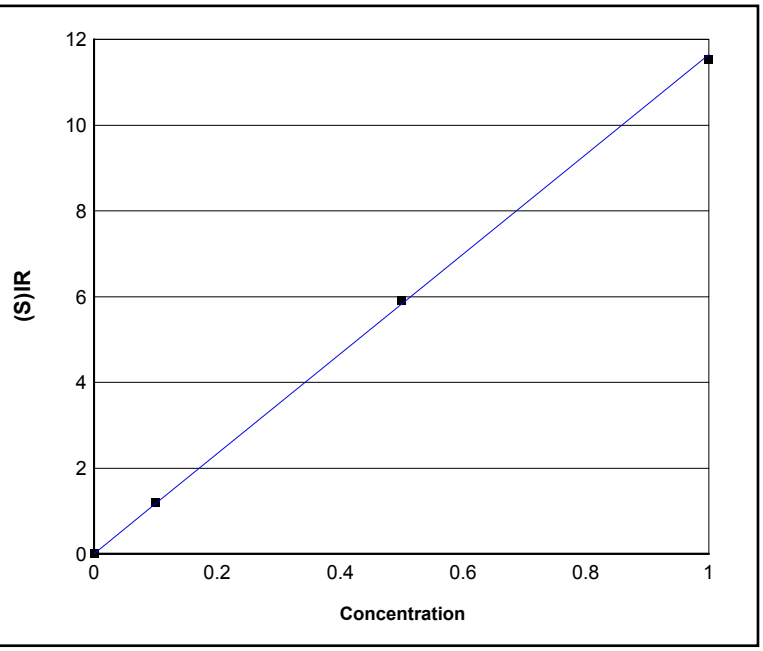
Standard Name	Stated	Found	Diff	% Diff	(S)IR	Stddev	Emphasis
IC1	0.00000	0.0000000000	0.0000014415	0.00000	0.00062777	0.00017728	1
IC4	1.0000	1.0000	0.0012644	0.12644	0.35642	0.0027827	1
IC2	0.10000	0.100000	-0.0016438	-1.6438	0.035607	0.000073607	1
IC3	0.50000	0.50000	0.00037938	0.075876	0.17844	0.0011254	1



Element Name:	Ba
Element Wavelength:	Ba 455.403 nm
Concentration Units:	ppm
Date of Calibration:	4/12/2012 3:13:56PM
Date of Fit:	4/12/2012 3:13:56PM
Type of Fit:	Linear
Correlation:	0.99998
A0 (Offset):	0.0089197
A1 (Gain):	3.6618
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

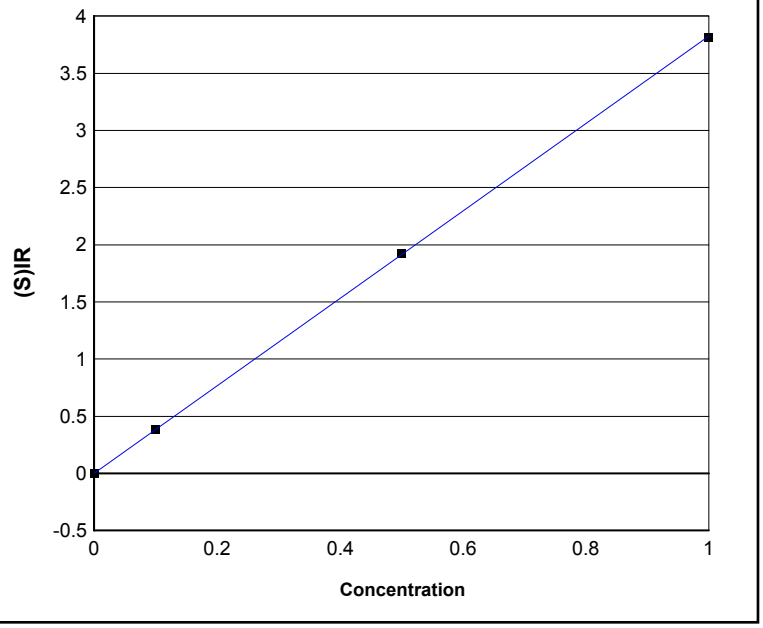
Standard Name	Stated	Found	Diff	% Diff	(S)IR	Stddev	Emphasis
IC1	0.00000	0.0000000000	-0.0000008282	0.00000	0.0089166	0.0010971	1
IC4	1.0000	1.00000	-0.0044438	-0.44438	3.6545	0.028489	1
IC2	0.10000	0.10000	0.00047982	0.47982	0.37686	0.0030522	1
IC3	0.50000	0.50000	0.0039639	0.79279	1.8544	0.015672	1



Element Name:	Ba
Element Wavelength:	Ba 455.403 nm
Concentration Units:	ppm
Date of Calibration:	4/12/2012 3:13:56PM
Date of Fit:	4/12/2012 3:13:56PM
Type of Fit:	Linear
Correlation:	0.99991
A0 (Offset):	0.0052949
A1 (Gain):	11.642
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

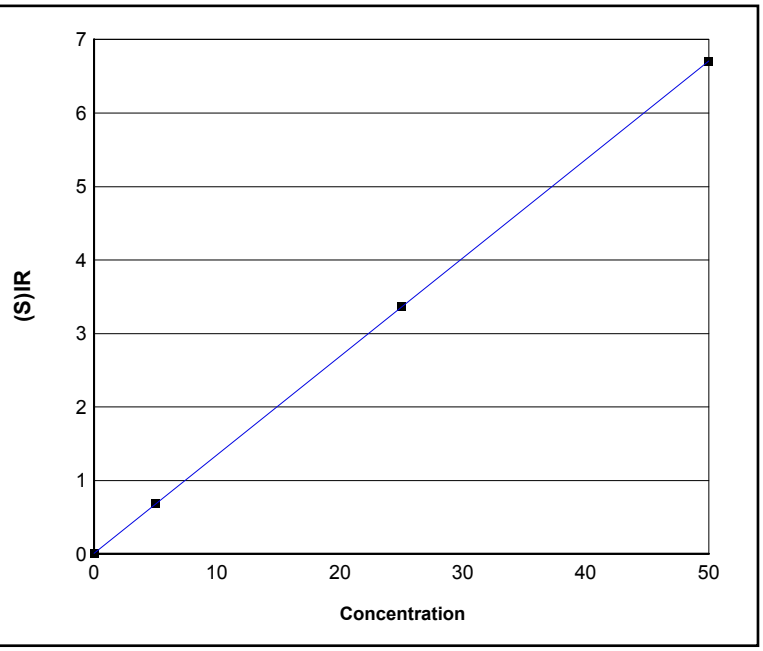
Standard Name	Stated	Found	Diff	% Diff	(S)IR	Stddev	Emphasis
IC1	0.00000	0.0000000000	-0.0000025900	0.00000	0.0052648	0.00031614	1
IC4	1.0000	0.99000	-0.010260	-1.0260	11.528	0.093070	1
IC2	0.10000	0.10000	0.0019551	1.9551	1.1922	0.0033434	1
IC3	0.50000	0.51000	0.0083047	1.6609	5.9229	0.016590	1



Element Name:	Be
Element Wavelength:	Be 313.042 nm
Concentration Units:	ppm
Date of Calibration:	4/12/2012 3:13:56PM
Date of Fit:	4/12/2012 3:13:56PM
Type of Fit:	Linear
Correlation:	0.99998
A0 (Offset):	-0.0015945
A1 (Gain):	3.8289
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

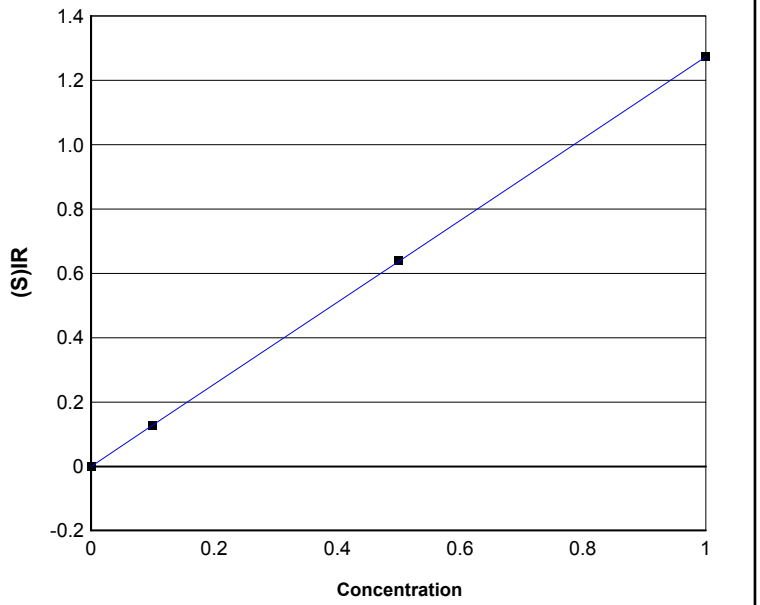
Standard Name	Stated	Found	Diff	% Diff	(S)IR	Stddev	Emphasis
IC1	0.00000	0.0000000000	-0.0000012904	0.00000	-0.0015995	0.00024152	1
IC4	1.0000	1.00000	-0.0041942	-0.41942	3.8117	0.022849	1
IC2	0.10000	0.10000	0.0010887	1.0887	0.38551	0.0048282	1
IC3	0.50000	0.50000	0.0031056	0.62111	1.9250	0.017103	1



Element Name:	Ca
Element Wavelength:	Ca 317.933 nm
Concentration Units:	ppm
Date of Calibration:	4/12/2012 3:13:56PM
Date of Fit:	4/12/2012 3:13:56PM
Type of Fit:	Linear
Correlation:	1.00000
A0 (Offset):	0.0079422
A1 (Gain):	0.13405
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

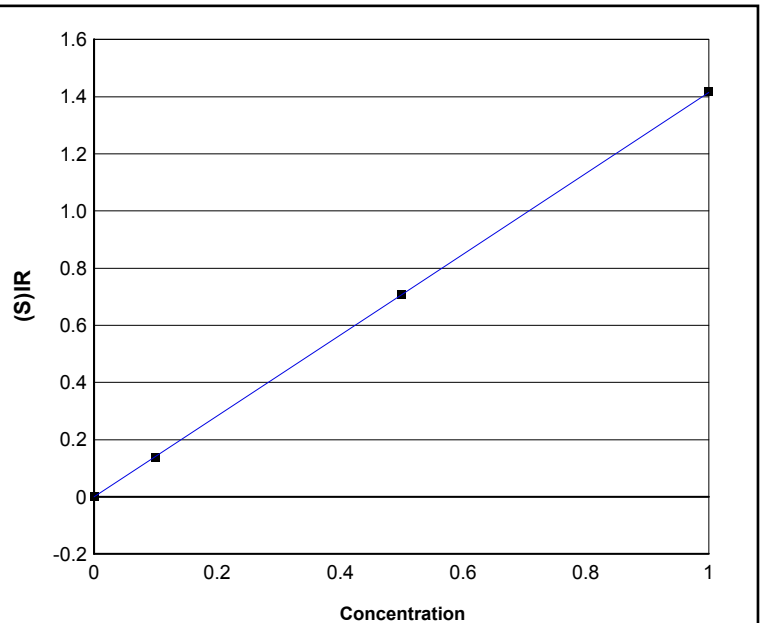
Standard Name	Stated	Found	Diff	% Diff	(S)IR	Stddev	Emphasis
IC1	0.00000	0.000000000	-0.000031723	0.00000	0.0079379	0.00075041	1
IC4	50.000	49.890	-0.11075	-0.22150	6.6982	0.051321	1
IC2	5.0000	5.0300	0.025810	0.51620	0.68191	0.0059647	1
IC3	25.000	25.080	0.084939	0.33976	3.3719	0.032758	1



Element Name:	Cd
Element Wavelength:	Cd 228.802 nm
Concentration Units:	ppm
Date of Calibration:	4/12/2012 3:13:56PM
Date of Fit:	4/12/2012 3:13:56PM
Type of Fit:	Linear
Correlation:	0.99999
A0 (Offset):	-0.000013667
A1 (Gain):	1.2735
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

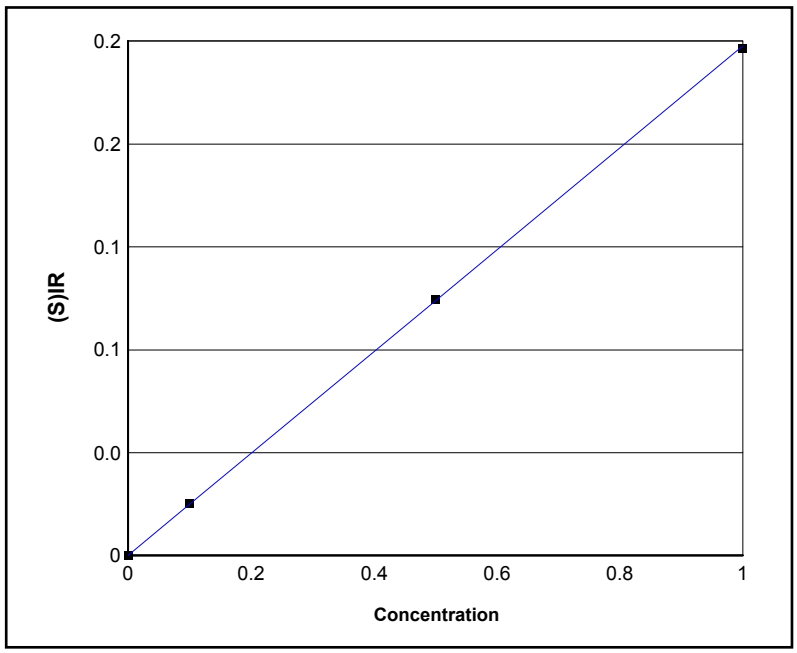
Standard Name	Stated	Found	Diff	% Diff	(S)IR	Stddev	Emphasis
IC1	0.00000	0.0000000000	0.0000006917	0.00000	-0.000012786	0.0000040634	1
IC4	1.0000	1.00000	-0.00090774	-0.090774	1.2749	0.011721	1
IC2	0.10000	0.100000	-0.00097814	-0.97814	0.12634	0.00024613	1
IC3	0.50000	0.50000	0.0018859	0.37718	0.64040	0.0050042	1



Element Name:	Co
Element Wavelength:	Co 228.616 nm
Concentration Units:	ppm
Date of Calibration:	4/12/2012 3:13:56PM
Date of Fit:	4/12/2012 3:13:56PM
Type of Fit:	Linear
Correlation:	0.99999
A0 (Offset):	-0.000023646
A1 (Gain):	1.4145
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

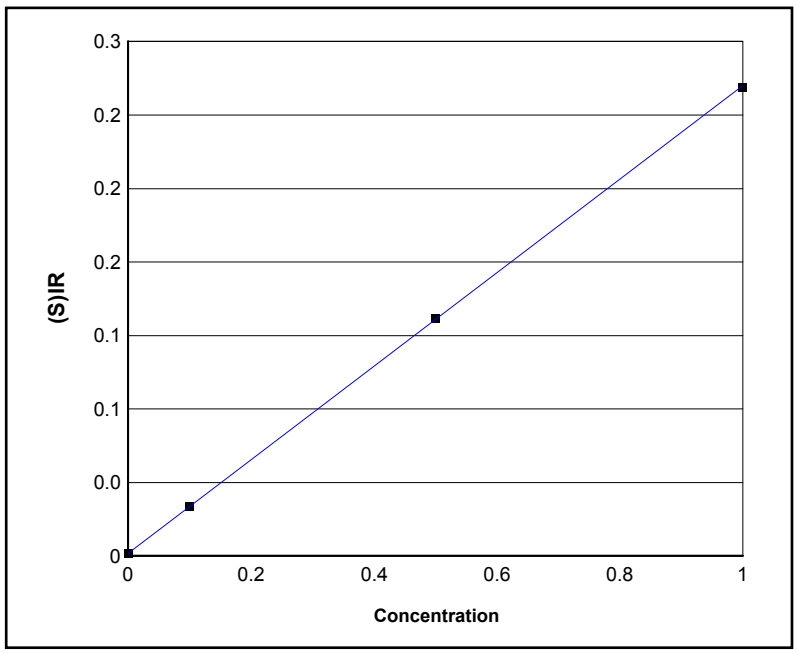
Standard Name	Stated	Found	Diff	% Diff	(S)IR	Stddev	Emphasis
IC1	0.00000	0.0000000000	0.0000013612	0.00000	-0.000021721	0.000066475	1
IC4	1.0000	1.0000	0.0014231	0.14231	1.4172	0.0085747	1
IC2	0.10000	0.100000	-0.0015236	-1.5236	0.13934	0.00050998	1
IC3	0.50000	0.50000	0.00010051	0.020101	0.70772	0.0054004	1



Element Name:	Cr
Element Wavelength:	Cr 267.716 nm
Concentration Units:	ppm
Date of Calibration:	4/12/2012 3:13:56PM
Date of Fit:	4/12/2012 3:13:56PM
Type of Fit:	Linear
Correlation:	0.99999
A0 (Offset):	0.00012753
A1 (Gain):	0.19795
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

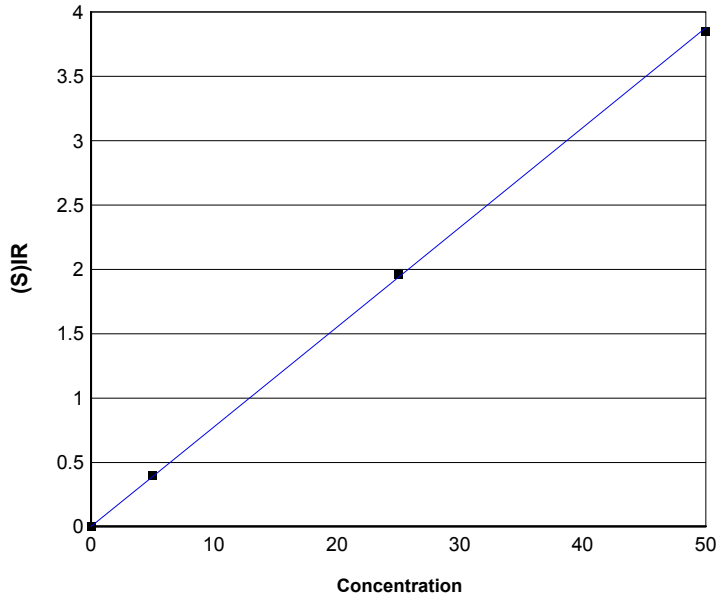
Standard Name	Stated	Found	Diff	% Diff	(S)IR	Stddev	Emphasis
IC1	0.00000	0.0000000000	-0.0000010898	0.00000	0.00012732	0.000017828	1
IC4	1.0000	1.00000	-0.0039535	-0.39535	0.19732	0.0014342	1
IC2	0.10000	0.10000	0.00086813	0.86813	0.020097	0.00016733	1
IC3	0.50000	0.50000	0.0030854	0.61707	0.099725	0.00063543	1



Element Name:	Cu
Element Wavelength:	Cu 324.754 nm
Concentration Units:	ppm
Date of Calibration:	4/12/2012 3:13:56PM
Date of Fit:	4/12/2012 3:13:56PM
Type of Fit:	Linear
Correlation:	0.99999
A0 (Offset):	0.0014857
A1 (Gain):	0.25452
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

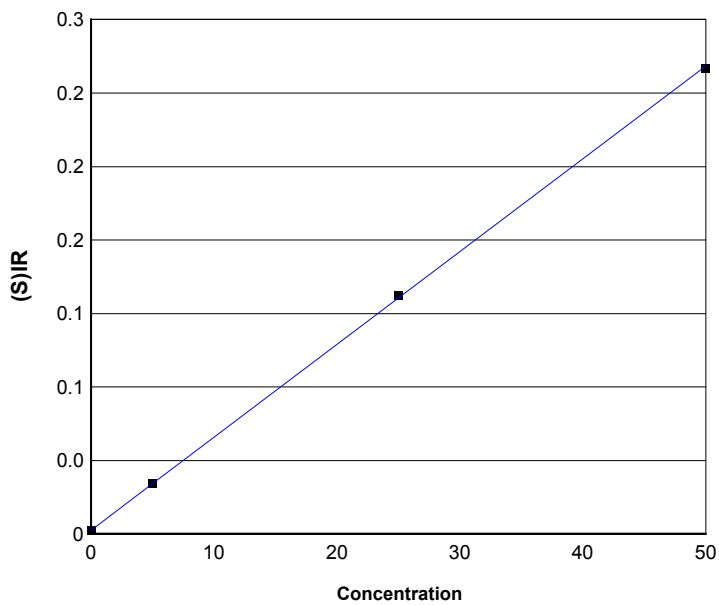
Standard Name	Stated	Found	Diff	% Diff	(S)IR	Stddev	Emphasis
IC1	0.00000	0.0000000000	-0.0000004094	0.00000	0.0014856	0.000088952	1
IC4	1.0000	1.00000	-0.0027491	-0.27491	0.25528	0.00048769	1
IC2	0.10000	0.10000	0.00016815	0.16815	0.026978	0.00013679	1
IC3	0.50000	0.50000	0.0025810	0.51619	0.12939	0.00046137	1



Element Name:	Fe
Element Wavelength:	Fe 259.940 nm
Concentration Units:	ppm
Date of Calibration:	4/12/2012 3:13:56PM
Date of Fit:	4/12/2012 3:13:56PM
Type of Fit:	Linear
Correlation:	0.99995
A0 (Offset):	0.00011391
A1 (Gain):	0.077582
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

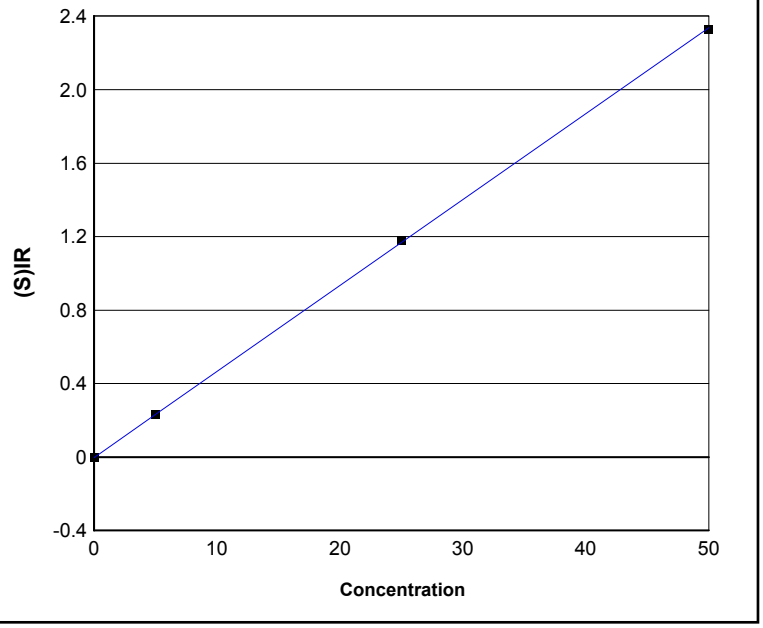
Standard Name	Stated	Found	Diff	% Diff	(S)IR	Stddev	Emphasis
IC1	0.00000	0.000000000	-0.000099259	0.00000	0.00010621	0.00015446	1
IC4	50.000	49.620	-0.38432	-0.76865	3.8494	0.029148	1
IC2	5.0000	5.0800	0.076033	1.5207	0.39392	0.0038968	1
IC3	25.000	25.310	0.30829	1.2332	1.9636	0.017433	1



Element Name:	Fe
Element Wavelength:	Fe 271.441 nm
Concentration Units:	ppm
Date of Calibration:	4/12/2012 3:13:56PM
Date of Fit:	4/12/2012 3:13:56PM
Type of Fit:	Linear
Correlation:	0.99996
A0 (Offset):	0.0020402
A1 (Gain):	0.0050539
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

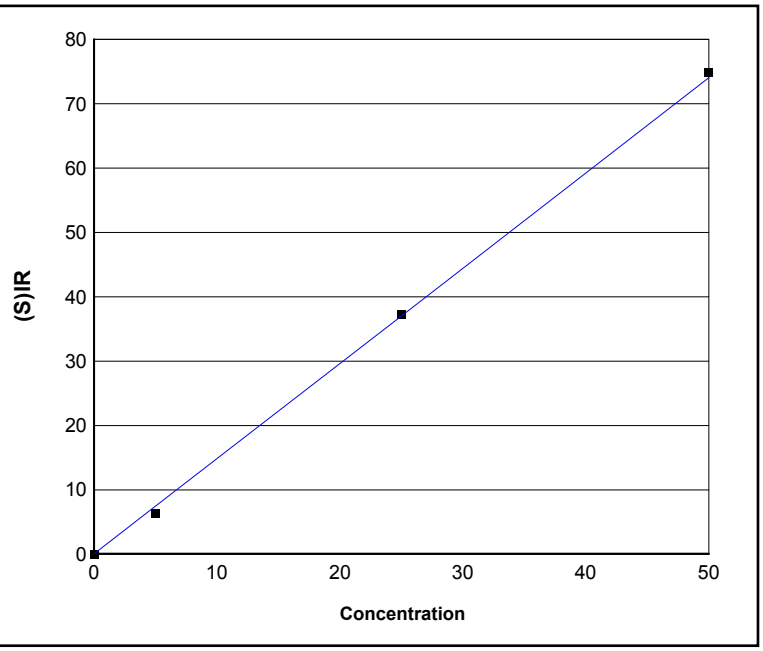
Standard Name	Stated	Found	Diff	% Diff	(S)IR	Stddev	Emphasis
IC1	0.00000	0.000000000	-0.000087335	0.00000	0.0020398	0.00023499	1
IC4	50.000	49.670	-0.33100	-0.66199	0.25306	0.0019910	1
IC2	5.0000	5.0700	0.067794	1.3559	0.027652	0.00023177	1
IC3	25.000	25.260	0.26320	1.0528	0.12972	0.0011298	1



Element Name:	K
Element Wavelength:	K 766.490 nm
Concentration Units:	ppm
Date of Calibration:	4/12/2012 3:13:56PM
Date of Fit:	4/12/2012 3:13:56PM
Type of Fit:	Linear
Correlation:	0.99998
A0 (Offset):	-0.0019434
A1 (Gain):	0.046786
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

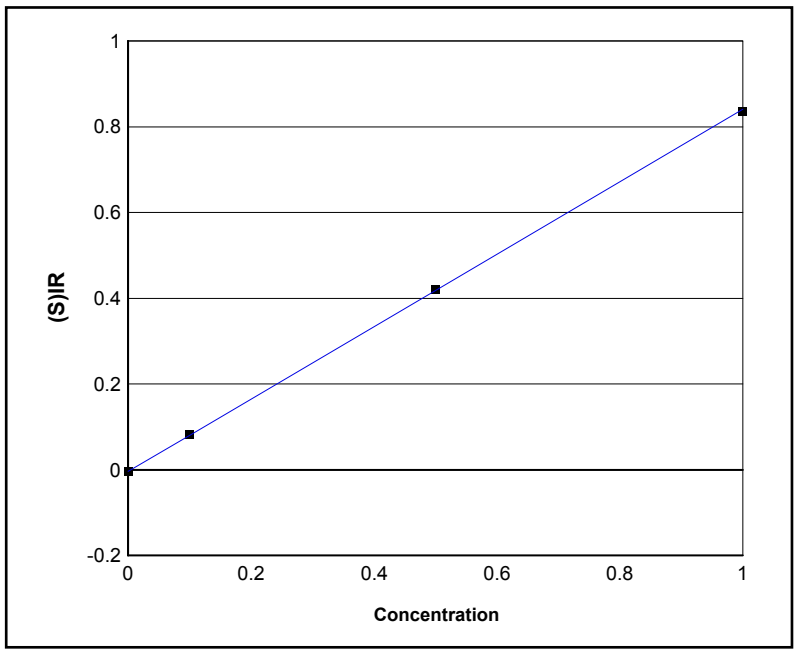
Standard Name	Stated	Found	Diff	% Diff	(S)IR	Stddev	Emphasis
IC1	0.00000	0.000000000	-0.000023801	0.00000	-0.0019446	0.00054009	1
IC4	50.000	49.790	-0.20654	-0.41307	2.3277	0.020019	1
IC2	5.0000	5.0000	0.0039345	0.078691	0.23217	0.0017940	1
IC3	25.000	25.200	0.20260	0.81040	1.1772	0.010641	1



Element Name:	K
Element Wavelength:	K 766.490 nm
Concentration Units:	ppm
Date of Calibration:	4/12/2012 3:13:56PM
Date of Fit:	4/12/2012 3:13:56PM
Type of Fit:	Linear
Correlation:	0.99931
A0 (Offset):	0.00080518
A1 (Gain):	1.4813
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

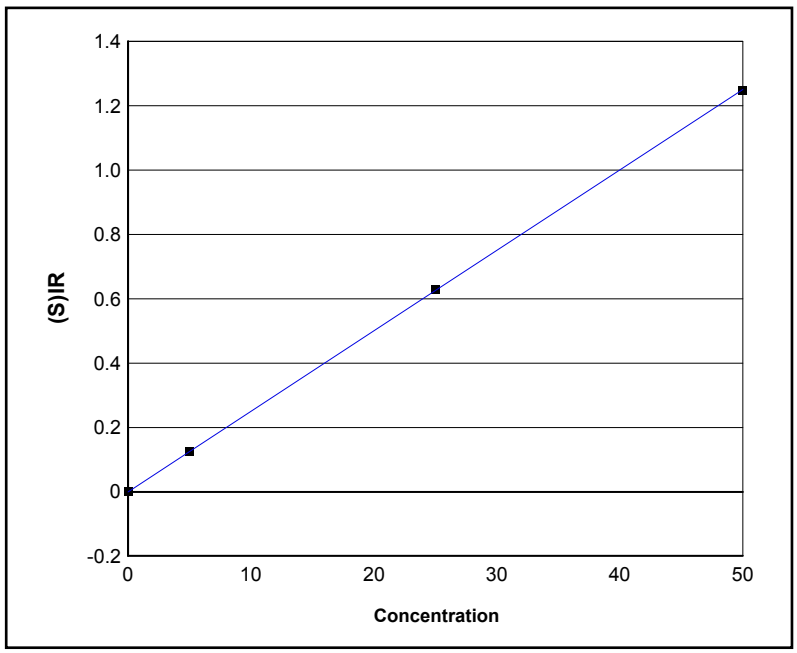
Standard Name	Stated	Found	Diff	% Diff	(S)IR	Stddev	Emphasis
IC1	0.00000	0.00000000	0.00063064	0.00000	0.0017393	0.00024732	1
IC4	50.000	50.570	0.57024	1.1405	74.910	0.73544	1
IC2	5.0000	4.2800	-0.71702	-14.340	6.3451	0.046956	1
IC3	25.000	25.150	0.14678	0.58713	37.250	0.033011	1



Element Name:	Li
Element Wavelength:	Li 670.784 nm
Concentration Units:	ppm
Date of Calibration:	4/12/2012 3:13:56PM
Date of Fit:	4/12/2012 3:13:56PM
Type of Fit:	Linear
Correlation:	0.99995
A0 (Offset):	-0.0040529
A1 (Gain):	0.84468
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

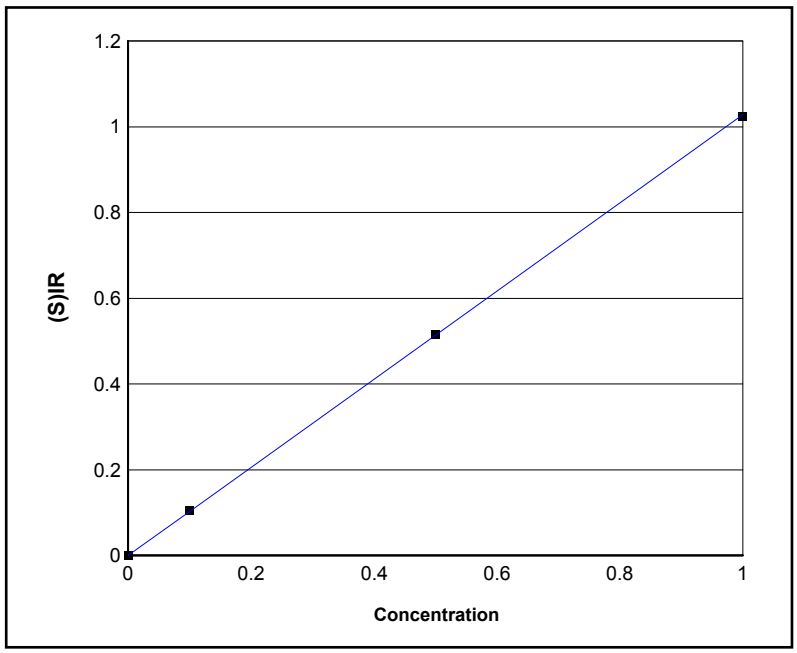
Standard Name	Stated	Found	Diff	% Diff	(S)IR	Stddev	Emphasis
IC1	0.00000	0.0000000000	-0.0000031633	0.00000	-0.0040556	0.00093886	1
IC2	0.10000	0.10000	0.0030808	3.0808	0.083017	0.00043569	1
IC3	0.50000	0.50000	0.0039054	0.78109	0.42159	0.0038345	1
IC4	1.0000	0.99000	-0.0069863	-0.69863	0.83473	0.0079505	1



Element Name:	Mg
Element Wavelength:	Mg 279.079 nm
Concentration Units:	ppm
Date of Calibration:	4/12/2012 3:13:56PM
Date of Fit:	4/12/2012 3:13:56PM
Type of Fit:	Linear
Correlation:	0.99999
A0 (Offset):	-0.000038177
A1 (Gain):	0.025029
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

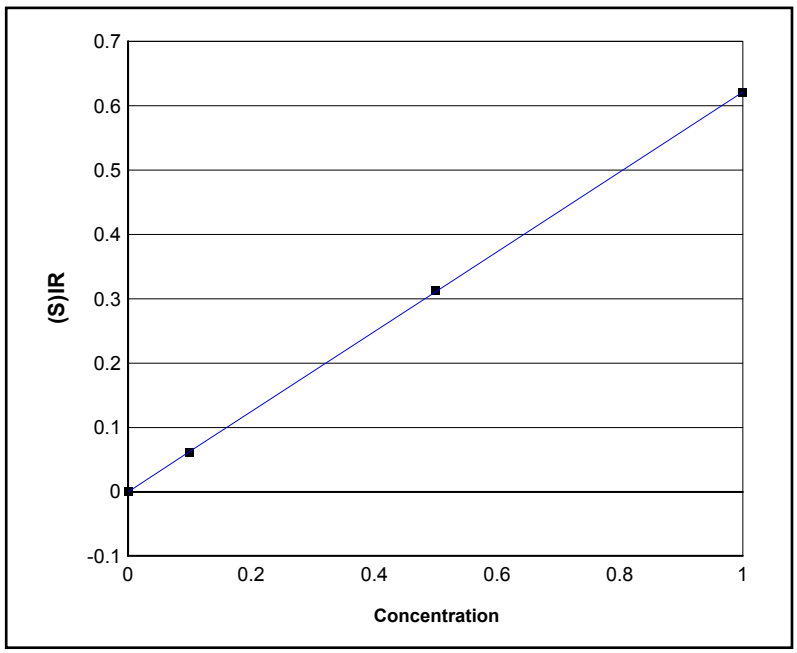
Standard Name	Stated	Found	Diff	% Diff	(S)IR	Stddev	Emphasis
IC1	0.00000	0.000000000	-0.000049782	0.00000	-0.000039423	0.000085732	1
IC4	50.000	49.890	-0.10599	-0.21197	1.2485	0.0056555	1
IC2	5.0000	5.0500	0.048980	0.97959	0.12630	0.00050717	1
IC3	25.000	25.060	0.057007	0.22803	0.62696	0.0030867	1



Element Name:	Mn
Element Wavelength:	Mn 257.610 nm
Concentration Units:	ppm
Date of Calibration:	4/12/2012 3:13:56PM
Date of Fit:	4/12/2012 3:13:56PM
Type of Fit:	Linear
Correlation:	0.99999
A0 (Offset):	0.000012795
A1 (Gain):	1.0281
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

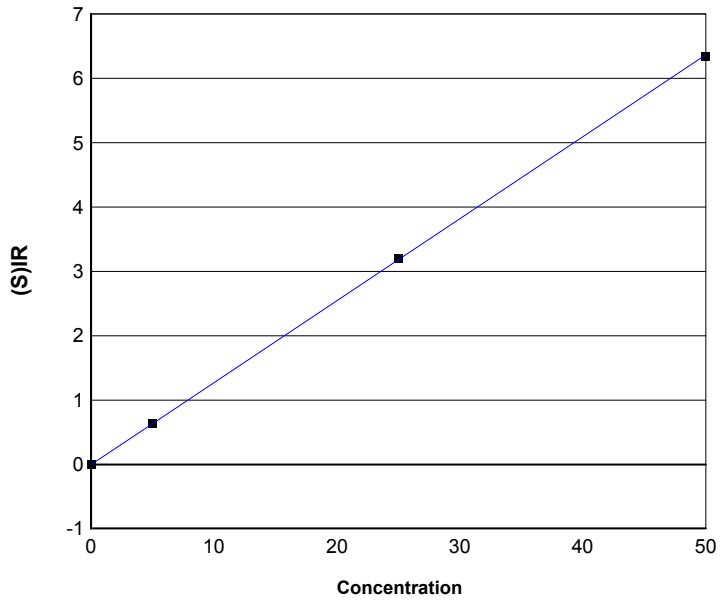
Standard Name	Stated	Found	Diff	% Diff	(S)IR	Stddev	Emphasis
IC1	0.00000	0.0000000000	-0.0000015864	0.00000	0.000011164	0.000038629	1
IC4	1.0000	1.00000	-0.0032314	-0.32314	1.0248	0.0057827	1
IC2	0.10000	0.10000	0.0015791	1.5791	0.10445	0.00051315	1
IC3	0.50000	0.50000	0.0016523	0.33046	0.51576	0.0019331	1



Element Name:	Mo
Element Wavelength:	Mo 202.030 nm
Concentration Units:	ppm
Date of Calibration:	4/12/2012 3:13:56PM
Date of Fit:	4/12/2012 3:13:56PM
Type of Fit:	Linear
Correlation:	0.99999
A0 (Offset):	-0.00027705
A1 (Gain):	0.62219
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

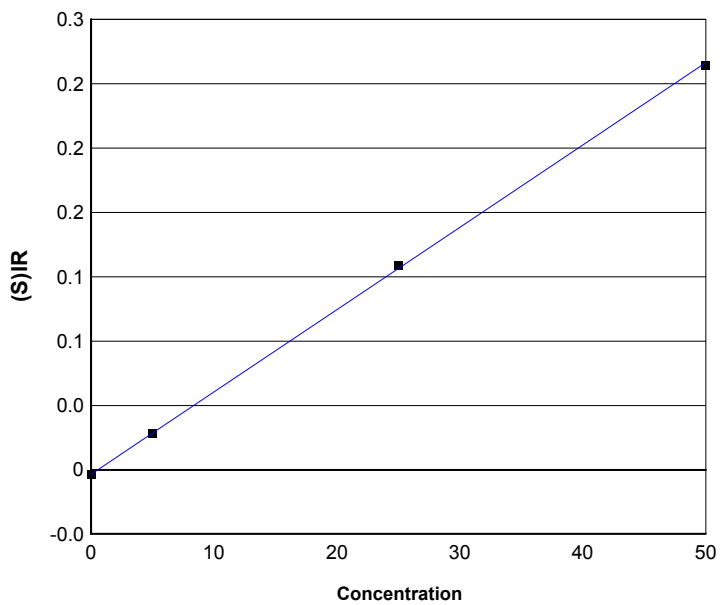
Standard Name	Stated	Found	Diff	% Diff	(S)IR	Stddev	Emphasis
IC1	0.00000	0.0000000000	0.0000003085	0.00000	-0.00027686	0.000044674	1
IC4	1.0000	1.00000	-0.0026782	-0.26782	0.62025	0.0048941	1
IC2	0.10000	0.100000	-0.00072043	-0.72043	0.061494	0.000039637	1
IC3	0.50000	0.50000	0.0033986	0.67972	0.31293	0.0019639	1



Element Name:	Na
Element Wavelength:	Na 589.592 nm
Concentration Units:	ppm
Date of Calibration:	4/12/2012 3:13:56PM
Date of Fit:	4/12/2012 3:13:56PM
Type of Fit:	Linear
Correlation:	0.99999
A0 (Offset):	-0.0059993
A1 (Gain):	0.12742
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

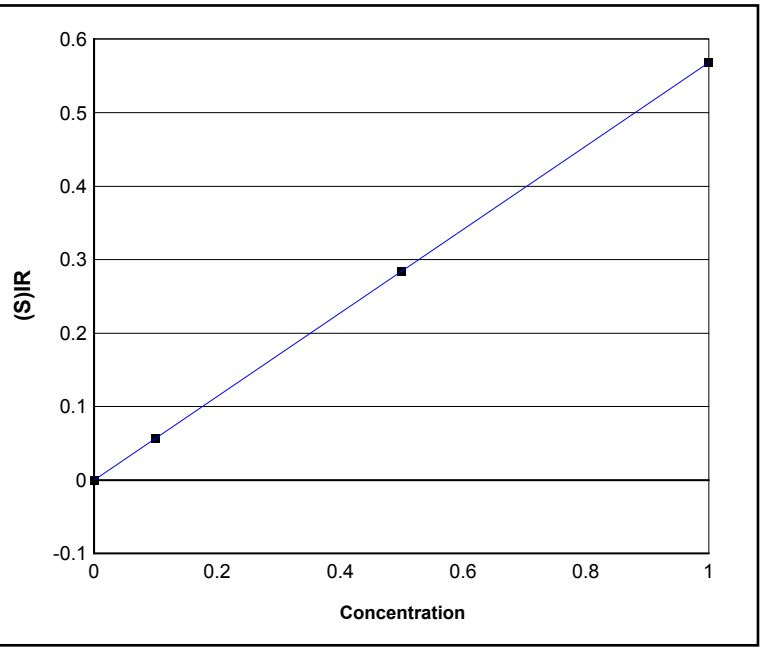
Standard Name	Stated	Found	Diff	% Diff	(S)IR	Stddev	Emphasis
IC1	0.00000	0.000000000	-0.000033322	0.00000	-0.0060035	0.00097563	1
IC4	50.000	49.840	-0.16473	-0.32945	6.3440	0.052657	1
IC2	5.0000	5.0200	0.021062	0.42124	0.63378	0.0059259	1
IC3	25.000	25.140	0.14366	0.57466	3.1978	0.022754	1



Element Name:	Na
Element Wavelength:	Na 818.326 nm
Concentration Units:	ppm
Date of Calibration:	4/12/2012 3:13:56PM
Date of Fit:	4/12/2012 3:13:56PM
Type of Fit:	Linear
Correlation:	0.99995
A0 (Offset):	-0.0029368
A1 (Gain):	0.0051262
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

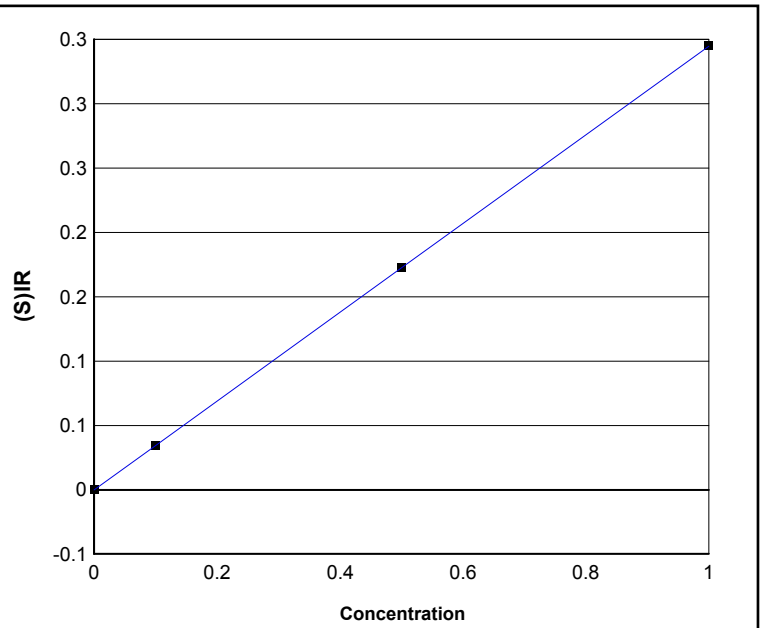
Standard Name	Stated	Found	Diff	% Diff	(S)IR	Stddev	Emphasis
IC1	0.00000	0.0000000000	-0.0000062614	0.00000	-0.0029369	0.00011672	1
IC4	50.000	49.670	-0.33317	-0.66635	0.25166	0.00075267	1
IC2	5.0000	4.9700	-0.033820	-0.67640	0.022521	0.0018357	1
IC3	25.000	25.370	0.36699	1.4680	0.12710	0.00017669	1



Element Name:	Ni
Element Wavelength:	Ni 231.604 nm
Concentration Units:	ppm
Date of Calibration:	4/12/2012 3:13:56PM
Date of Fit:	4/12/2012 3:13:56PM
Type of Fit:	Linear
Correlation:	1.00000
A0 (Offset):	-0.00033024
A1 (Gain):	0.56847
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

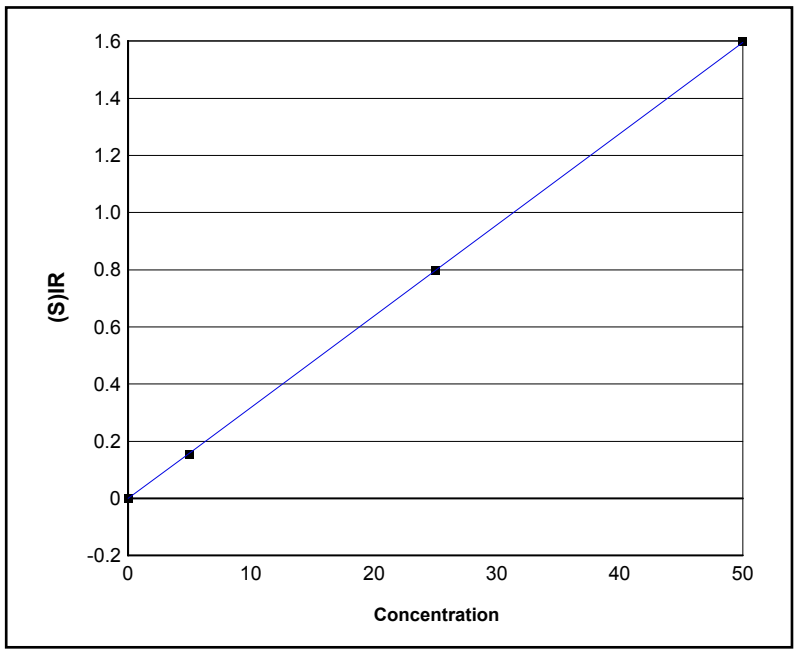
Standard Name	Stated	Found	Diff	% Diff	(S)IR	Stddev	Emphasis
IC1	0.00000	0.0000000000	0.0000008949	0.00000	-0.00032973	0.0000007126	1
IC4	1.0000	1.0000	0.0014927	0.14927	0.56899	0.0040575	1
IC2	0.10000	0.100000	-0.00093201	-0.93201	0.055987	0.000046085	1
IC3	0.50000	0.50000	-0.00056065	-0.11213	0.28358	0.0015790	1



Element Name:	Pb
Element Wavelength:	Pb 220.353 nm
Concentration Units:	ppm
Date of Calibration:	4/12/2012 3:13:56PM
Date of Fit:	4/12/2012 3:13:56PM
Type of Fit:	Linear
Correlation:	0.99999
A0 (Offset):	-0.00011920
A1 (Gain):	0.34509
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

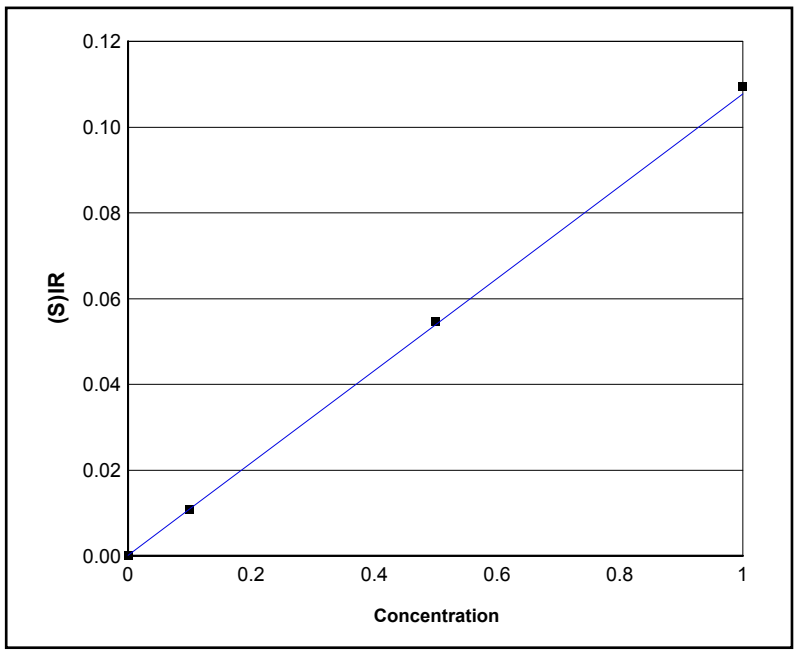
Standard Name	Stated	Found	Diff	% Diff	(S)IR	Stddev	Emphasis
IC1	0.00000	0.0000000000	0.0000010827	0.00000	-0.00011883	0.000025239	1
IC4	1.0000	1.0000	0.00092964	0.092964	0.34577	0.0025742	1
IC2	0.10000	0.100000	-0.0012371	-1.2371	0.034010	0.00036448	1
IC3	0.50000	0.50000	0.00030748	0.061497	0.17277	0.0019343	1



Element Name:	S
Element Wavelength:	S 182.034 nm
Concentration Units:	ppm
Date of Calibration:	4/12/2012 3:13:56PM
Date of Fit:	4/12/2012 3:13:56PM
Type of Fit:	Linear
Correlation:	0.99998
A0 (Offset):	-0.00070830
A1 (Gain):	0.031922
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

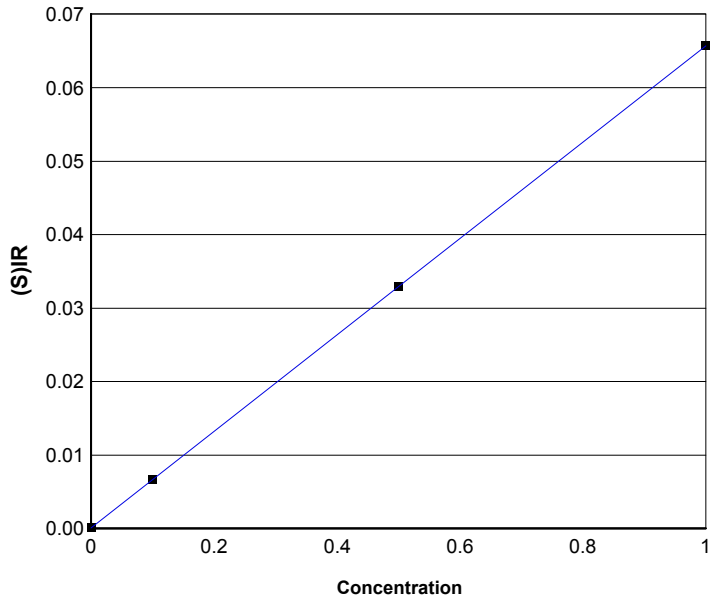
Standard Name	Stated	Found	Diff	% Diff	(S)IR	Stddev	Emphasis
IC1	0.00000	0.00000000	0.00011255	0.00000	-0.00070470	0.000022943	1
IC2	5.0000	4.8700	-0.13008	-2.6016	0.15475	0.000024607	1
IC3	25.000	25.050	0.045163	0.18065	0.79878	0.0050806	1
IC4	50.000	50.080	0.084915	0.16983	1.5981	0.013464	1



Element Name:	Sb
Element Wavelength:	Sb 206.833 nm
Concentration Units:	ppm
Date of Calibration:	4/12/2012 3:13:56PM
Date of Fit:	4/12/2012 3:13:56PM
Type of Fit:	Linear
Correlation:	0.99999
A0 (Offset):	0.00017490
A1 (Gain):	0.10756
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

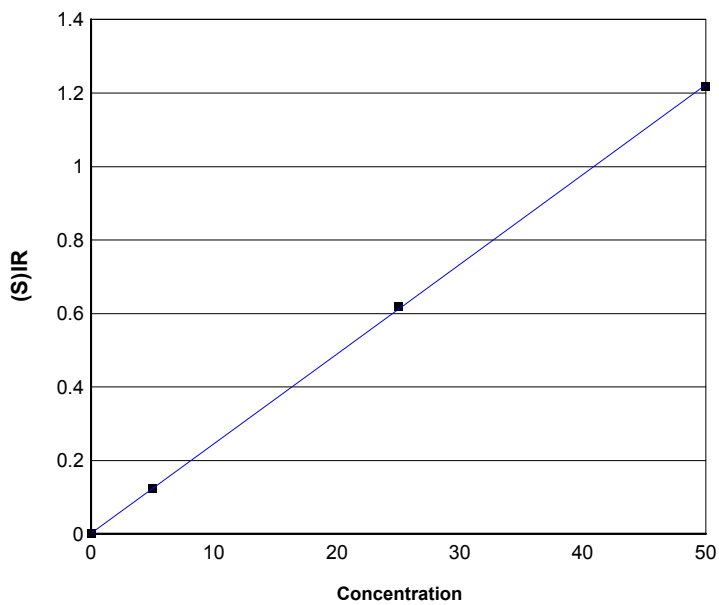
Standard Name	Stated	Found	Diff	% Diff	(S)IR	Stddev	Emphasis
IC1	0.00000	0.0000000000	0.0000012317	0.00000	0.00017504	0.00013798	1
IC4	1.0000	1.0000	0.0013999	0.13999	0.10955	0.00084838	1
IC2	0.10000	0.100000	-0.0013646	-1.3646	0.010950	0.000085295	1
IC3	0.50000	0.50000	-0.000035206	-0.0070411	0.054781	0.00052096	1



Element Name:	Se
Element Wavelength:	Se 196.090 nm
Concentration Units:	ppm
Date of Calibration:	4/12/2012 3:13:56PM
Date of Fit:	4/12/2012 3:13:56PM
Type of Fit:	Linear
Correlation:	1.00000
A0 (Offset):	0.000084330
A1 (Gain):	0.065627
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

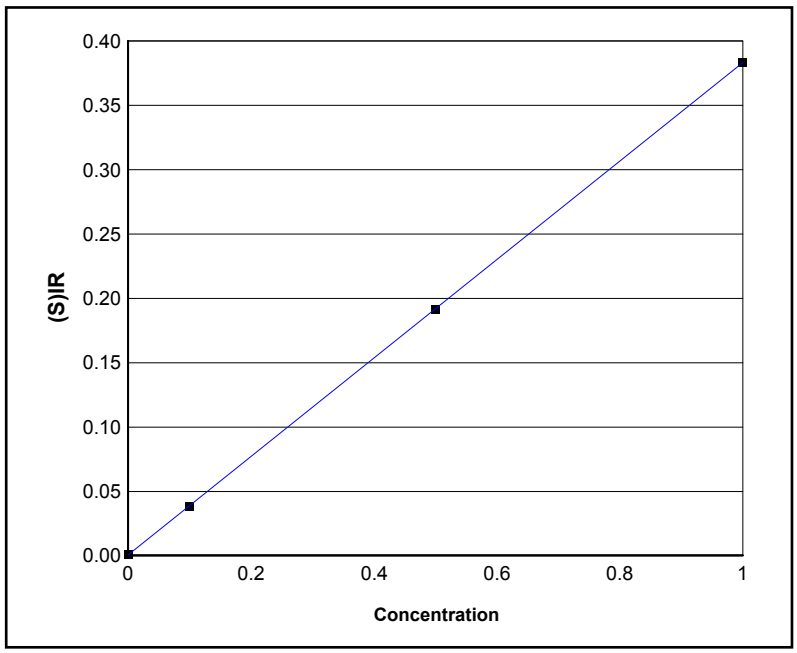
Standard Name	Stated	Found	Diff	% Diff	(S)IR	Stddev	Emphasis
IC1	0.00000	0.0000000000	0.0000002601	0.00000	0.000084347	0.00022885	1
IC4	1.0000	1.0000	0.00059570	0.059570	0.065776	0.00043288	1
IC2	0.10000	0.100000	-0.00025067	-0.25067	0.0066331	0.00018543	1
IC3	0.50000	0.50000	-0.00034503	-0.069006	0.032888	0.00016128	1



Element Name:	Si
Element Wavelength:	Si 288.158 nm
Concentration Units:	ppm
Date of Calibration:	4/12/2012 3:13:56PM
Date of Fit:	4/12/2012 3:13:56PM
Type of Fit:	Linear
Correlation:	0.99997
A0 (Offset):	0.0012459
A1 (Gain):	0.024441
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

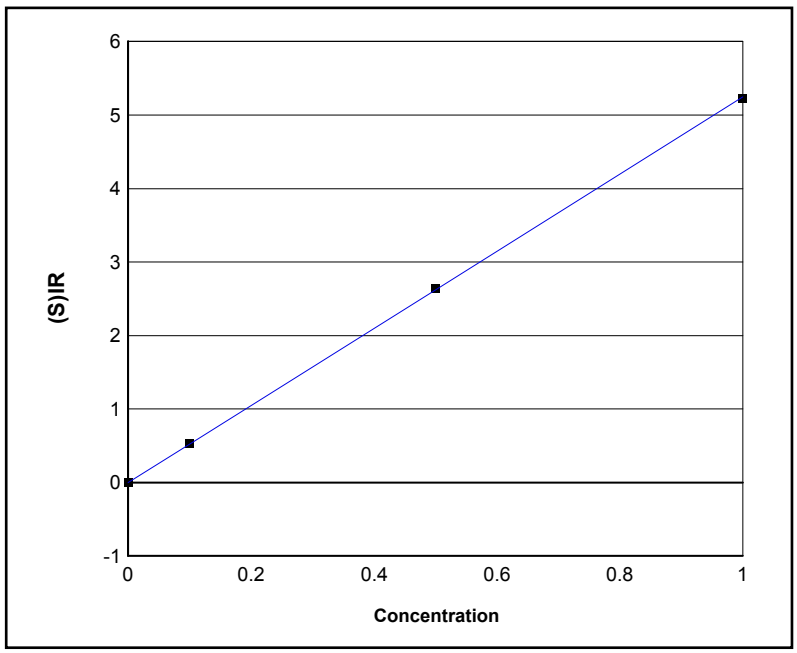
Standard Name	Stated	Found	Diff	% Diff	(S)IR	Stddev	Emphasis
IC1	0.00000	0.000000000	-0.000054010	0.00000	0.0012446	0.00011793	1
IC2	5.0000	5.0300	0.029028	0.58055	0.12423	0.0011552	1
IC3	25.000	25.280	0.27885	1.1154	0.61942	0.0045199	1
IC4	50.000	49.690	-0.30788	-0.61575	1.2164	0.010692	1



Element Name:	Sn
Element Wavelength:	Sn 189.989 nm
Concentration Units:	ppm
Date of Calibration:	4/12/2012 3:13:56PM
Date of Fit:	4/12/2012 3:13:56PM
Type of Fit:	Linear
Correlation:	0.99998
A0 (Offset):	0.00053741
A1 (Gain):	0.38286
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

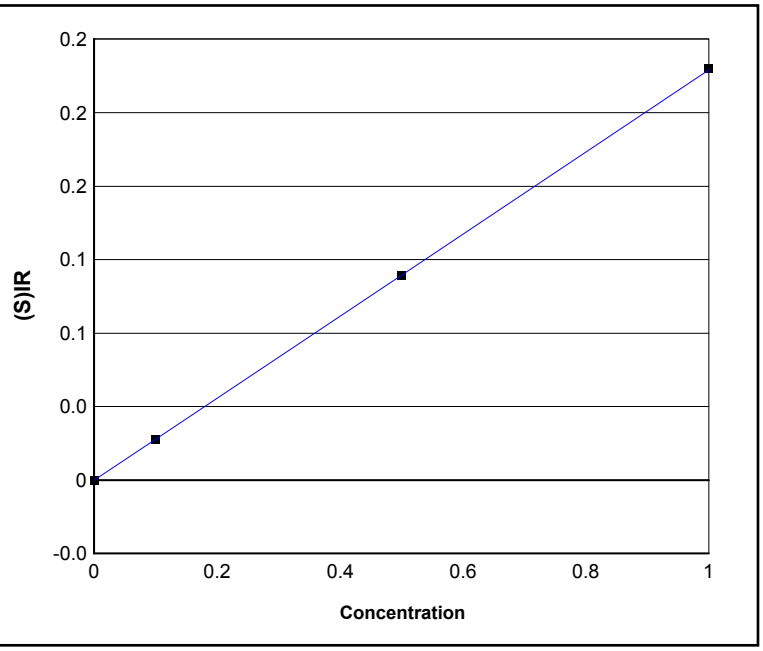
Standard Name	Stated	Found	Diff	% Diff	(S)IR	Stddev	Emphasis
IC1	0.00000	0.0000000000	0.0000019076	0.00000	0.00053814	0.0000026113	1
IC4	1.0000	1.0000	0.0031086	0.31086	0.38351	0.0026668	1
IC2	0.10000	0.100000	-0.0019960	-1.9960	0.037951	0.00012195	1
IC3	0.50000	0.50000	-0.0011126	-0.22252	0.19100	0.0010521	1



Element Name:	Sr
Element Wavelength:	Sr 407.771 nm
Concentration Units:	ppm
Date of Calibration:	4/12/2012 3:13:56PM
Date of Fit:	4/12/2012 3:13:56PM
Type of Fit:	Linear
Correlation:	0.99999
A0 (Offset):	-0.0030796
A1 (Gain):	5.2494
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

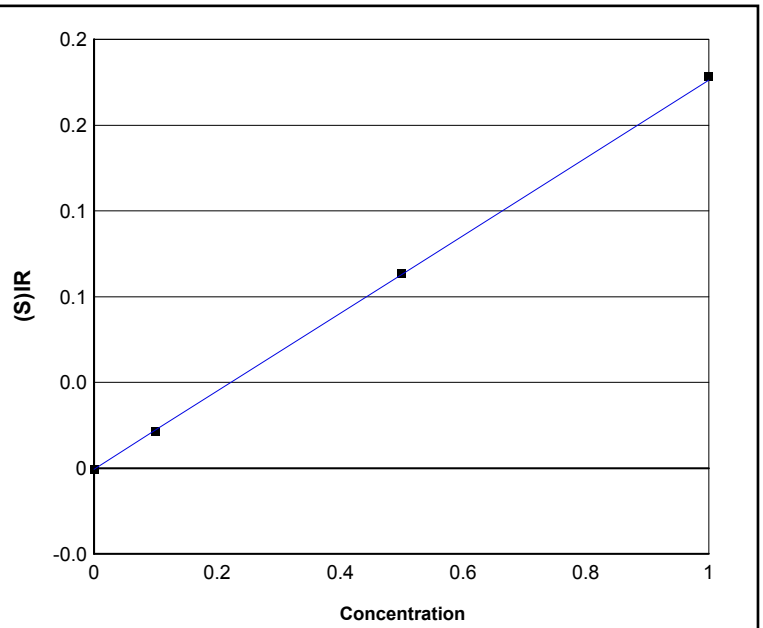
Standard Name	Stated	Found	Diff	% Diff	(S)IR	Stddev	Emphasis
IC1	0.00000	0.0000000000	-0.0000009012	0.00000	-0.0030843	0.000076031	1
IC2	0.10000	0.10000	0.00063826	0.63826	0.52547	0.0043203	1
IC3	0.50000	0.50000	0.0032674	0.65347	2.6401	0.019276	1
IC4	1.0000	1.00000	-0.0039056	-0.39056	5.2284	0.036485	1



Element Name:	Ti
Element Wavelength:	Ti 334.904 nm
Concentration Units:	ppm
Date of Calibration:	4/12/2012 3:13:56PM
Date of Fit:	4/12/2012 3:13:56PM
Type of Fit:	Linear
Correlation:	1.00000
A0 (Offset):	-0.000078547
A1 (Gain):	0.22329
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

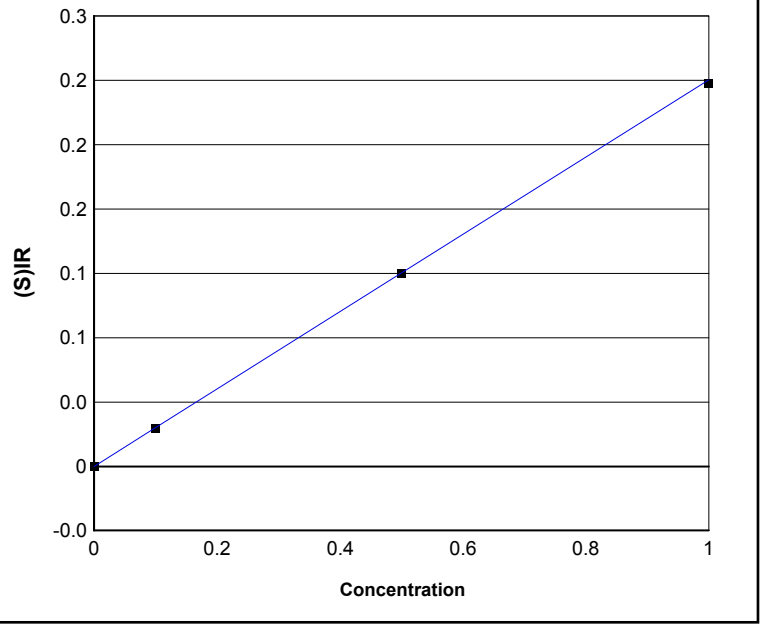
Standard Name	Stated	Found	Diff	% Diff	(S)IR	Stddev	Emphasis
IC1	0.00000	0.0000000000	0.0000008868	0.00000	-0.000078349	0.0000048319	1
IC4	1.0000	1.0000	0.0013924	0.13924	0.22390	0.00043139	1
IC2	0.10000	0.100000	-0.00093439	-0.93439	0.022080	0.000058350	1
IC3	0.50000	0.50000	-0.00045802	-0.091603	0.11165	0.00047860	1



Element Name:	Tl
Element Wavelength:	Tl 190.856 nm
Concentration Units:	ppm
Date of Calibration:	4/12/2012 3:13:56PM
Date of Fit:	4/12/2012 3:13:56PM
Type of Fit:	Linear
Correlation:	0.99991
A0 (Offset):	-0.00038405
A1 (Gain):	0.18154
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

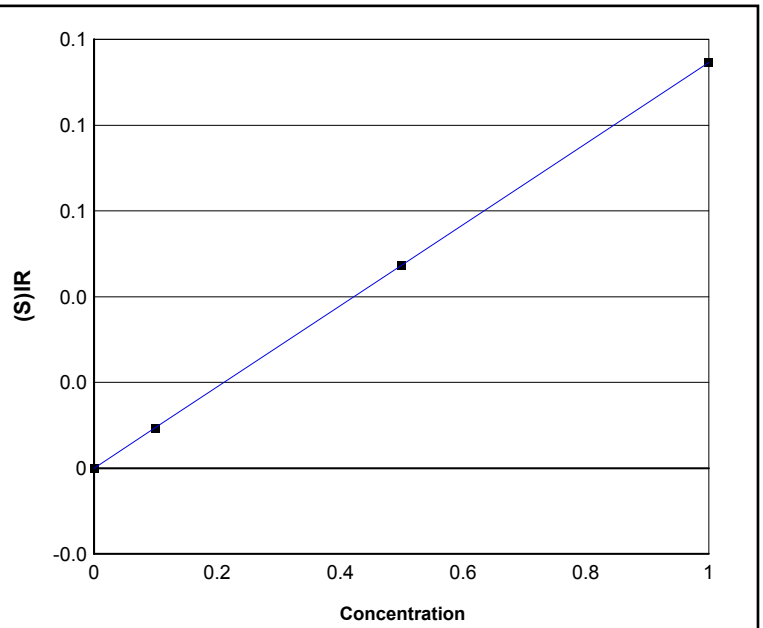
Standard Name	Stated	Found	Diff	% Diff	(S)IR	Stddev	Emphasis
IC1	0.00000	0.0000000000	0.0000046437	0.00000	-0.00038321	0.000051471	1
IC4	1.0000	1.0000	0.0044038	0.44038	0.18288	0.0010325	1
IC2	0.10000	0.090000	-0.0052542	-5.2542	0.016908	0.00034476	1
IC3	0.50000	0.50000	0.00085043	0.17009	0.091001	0.00072193	1



Element Name:	V
Element Wavelength:	V 292.402 nm
Concentration Units:	ppm
Date of Calibration:	4/12/2012 3:13:56PM
Date of Fit:	4/12/2012 3:13:56PM
Type of Fit:	Linear
Correlation:	0.99999
A0 (Offset):	-0.000032026
A1 (Gain):	0.24054
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	0.0000007785	0.00000	-0.000031839	0.0000077939	1
IC4	1.0000	1.00000	-0.0017012	-0.17012	0.23816	0.0015120	1
IC2	0.10000	0.100000	-0.0011858	-1.1858	0.023543	0.00010359	1
IC3	0.50000	0.50000	0.0028870	0.57740	0.11996	0.00077999	1



Element Name:	Zn
Element Wavelength:	Zn 206.200 nm
Concentration Units:	ppm
Date of Calibration:	4/12/2012 3:13:56PM
Date of Fit:	4/12/2012 3:13:56PM
Type of Fit:	Linear
Correlation:	1.00000
A0 (Offset):	-0.000019660
A1 (Gain):	0.094706
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	0.0000004215	0.00000	-0.000019620	0.000020893	1
IC4	1.0000	1.0000	0.00031277	0.031277	0.094661	0.00060313	1
IC2	0.10000	0.100000	-0.00048778	-0.48778	0.0093993	0.0000076110	1
IC3	0.50000	0.50000	0.00017501	0.035002	0.047322	0.00022564	1

Sample Name: IC1 Acquired: 4/12/2012 15:05:47 Type: Cal
Method: ICAP2 2012(v35) Mode: IR Corr. Factor: 1.000000
User: LMH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	As1937	As1972	B_2089	Ba4554	Ba4554-2	Be3130	Ca3179	Cd2288	Co2286
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	**.00000**	**.00070**	**-.00005**	**-.0004**	**.0001**	**.00063**	**.00892**	**.00526**	**-.00160**	**.00794**	**-.00001**	**-.00002**
Stddev	.00023	.00043	.00014	.0001	.0000	.00018	.00110	.00032	.00024	.00075	.00000	.00007
%RSD	5992.0	61.569	282.54	20.20	15.66	28.240	12.304	6.0048	15.100	9.4535	31.780	306.04
#1	-.00016	.00100	-.00015	-.0003	.0001	.00075	.00969	.00549	-.00143	.00847	-.00002	-.00007
#2	.00016	.00040	.00005	-.0005	.0001	.00050	.00814	.00504	-.00177	.00741	-.00001	.00003

Elem	Cr2677	Cu3247	Fe2599	Fe2714	K_7664	K_7664-2	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Na8183
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	**.00013**	**.00149**	**.00011**	**.00204**	**-.00194**	**.00174**	**-.00406**	**-.00004**	**.00001**	**-.00028**	**-.00600**	**-.00294**
Stddev	.00002	.00009	.00015	.00023	.00054	.00025	.00094	.00009	.00004	.00004	.00098	.00012
%RSD	14.003	5.9876	145.43	11.520	27.775	14.219	23.150	217.47	346.02	16.136	16.251	3.9743
#1	.00014	.00142	.00022	.00221	-.00233	.00191	-.00339	-.00010	.00004	-.00025	-.00531	-.00285
#2	.00011	.00155	.00000	.00187	-.00156	.00156	-.00472	.00002	-.00002	-.00031	-.00669	-.00302

Elem	Ni2316	Pb2203	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	Cts/S	Cts/S
Avg	**-.00033**	**-.00012**	**-.00070**	**.00018**	**.00008**	**.00124**	**.00054**	**-.00308**	**-.00008**	**-.00038**	**-.00003**	**-.00002**
Stddev	.00000	.00003	.00002	.00014	.00023	.00012	.00000	.00008	.00000	.00005	.00001	.00002
%RSD	.21613	21.241	3.2557	78.828	271.32	9.4757	.48524	2.4651	6.1671	13.431	24.479	106.49
#1	-.00033	-.00014	-.00069	.00008	-.00008	.00133	.00054	-.00303	-.00007	-.00035	-.00003	.00000
#2	-.00033	-.00010	-.00072	.00027	.00025	.00116	.00054	-.00314	-.00008	-.00042	-.00004	-.00003

Int. Std.	In2306	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**4747.1**	**8075.4**	**49317.**	**14118.**
Stddev	7.7	17.7	178.	77.
%RSD	.16148	.21876	.36114	.54266
#1	4752.6	8087.9	49191.	14172.
#2	4741.7	8062.9	49443.	14064.

Sample Name: IC2 Acquired: 4/12/2012 15:07:56 Type: Cal
Method: ICAP2 2012(v35) Mode: IR Corr. Factor: 1.000000
User: LMH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	As1937	As1972	B_2089	Ba4554	Ba4554-2	Be3130	Ca3179	Cd2288	Co2286	Cr2677
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	**.01740**	**.07227**	**.00615**	**.0088**	**.0046**	**.03561**	**.37686**	**1.1922**	**.38551**	**.68191**	**.12634**	**.13934**	**.02010**
Stddev	.00005	.00041	.00017	.0000	.0000	.00007	.00305	.0033	.00483	.00596	.00025	.00051	.00017
%RSD	.29996	.56952	2.8251	.2389	.8892	.20672	.80991	.28043	1.2524	.87470	.19481	.36599	.83262
#1	.01744	.07256	.00603	.0088	.0046	.03566	.37902	1.1946	.38892	.68613	.12617	.13970	.02022
#2	.01737	.07198	.00628	.0088	.0046	.03555	.37470	1.1899	.38209	.67770	.12652	.13898	.01998

Elem	Cu3247	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	Cts/S
Avg	**.02698**	**.39392**	**.02765**	**.23217**	**6.3451**	**.08302**	**.12630**	**.10445**	**.06149**	**.63378**	**.02252**	**.05599**	**.03401**
Stddev	.00014	.00390	.00023	.00179	.0470	.00044	.00051	.00051	.00004	.00593	.00184	.00005	.00036
%RSD	.50704	.98922	.83815	.77271	.74002	.52481	.40155	.49131	.06446	.93501	8.1514	.08231	1.0717
#1	.02707	.39668	.02782	.23344	6.3783	.08271	.12666	.10481	.06152	.63797	.02382	.05602	.03375
#2	.02688	.39117	.02749	.23090	6.3119	.08333	.12594	.10408	.06147	.62959	.02122	.05595	.03427

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	**.15475**	**.01095**	**.00663**	**.12423**	**.03795**	**.52547**	**.02208**	**.01691**	**.02354**	**.00940**
Stddev	.00002	.00009	.00019	.00116	.00012	.00432	.00006	.00034	.00010	.00001
%RSD	.01590	.77894	2.7955	.92990	.32134	.82218	.26427	2.0390	.44000	.08097
#1	.15473	.01089	.00676	.12504	.03804	.52852	.02212	.01715	.02362	.00940
#2	.15477	.01101	.00650	.12341	.03787	.52241	.02204	.01666	.02347	.00939

Int. Std.	In2306	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**4695.8**	**8028.6**	**48746.**	**14021.**
Stddev	.4	7.2	36.	156.
%RSD	.00768	.08981	.07316	1.1136
#1	4696.1	8023.5	48720.	13910.
#2	4695.6	8033.7	48771.	14131.

Sample Name: IC3 Acquired: 4/12/2012 15:10:00 Type: Cal
Method: ICAP2 2012(v35) Mode: IR Corr. Factor: 1.000000
User: LMH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	As1937	As1972	B_2089	Ba4554	Ba4554-2	Be3130	Ca3179	Cd2288	Co2286	Cr2677
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	.08899	.35932	.03115	.0468	.0241	.17844	1.8544	5.9229	1.9250	3.3719	.64040	.70772	.09973
Stddev	.00036	.00300	.00022	.0002	.0004	.00113	.0157	.0166	.0171	.0328	.00500	.00540	.00064
%RSD	.40483	.83356	.70492	.3928	1.669	.63068	.84512	.28010	.88849	.97149	.78141	.76307	.63718
#1	.08924	.35720	.03130	.0469	.0243	.17923	1.8433	5.9347	1.9129	3.3487	.64394	.71153	.10017
#2	.08873	.36144	.03099	.0467	.0238	.17764	1.8654	5.9112	1.9371	3.3951	.63687	.70390	.09928

Elem	Cu3247	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	Cts/S
Avg	.12939	1.9636	.12972	1.1772	37.250	.42159	.62696	.51576	.31293	3.1978	.12710	.28358	.17277
Stddev	.00046	.0174	.00113	.0106	.033	.00383	.00309	.00193	.00196	.0227	.00018	.00158	.00193
%RSD	.35657	.88783	.87098	.90393	.08862	.90953	.49233	.37480	.62758	.71157	.13902	.55680	1.1196
#1	.12972	1.9513	.12892	1.1697	37.227	.41887	.62915	.51712	.31432	3.1817	.12697	.28470	.17414
#2	.12906	1.9759	.13052	1.1847	37.274	.42430	.62478	.51439	.31155	3.2139	.12722	.28247	.17140

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	.79878	.05478	.03289	.61942	.19100	2.6401	.11165	.09100	.11996	.04732
Stddev	.00508	.00052	.00016	.00452	.00105	.0193	.00048	.00072	.00078	.00023
%RSD	.63604	.95098	.49039	.72970	.55081	.73015	.42865	.79333	.65020	.47682
#1	.80237	.05515	.03300	.61622	.19175	2.6264	.11199	.09151	.12051	.04748
#2	.79518	.05441	.03277	.62261	.19026	2.6537	.11131	.09049	.11941	.04716

Int. Std.	In2306	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	4519.4	7881.1	47790.	13952.
Stddev	26.6	39.2	162.	72.
%RSD	.58803	.49785	.33858	.51465
#1	4500.6	7853.4	47676.	14003.
#2	4538.2	7908.9	47904.	13901.

Sample Name: IC4 Acquired: 4/12/2012 15:11:59 Type: Cal
Method: ICAP2 2012(v35) Mode: IR Corr. Factor: 1.000000
User: LMH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	As1937	As1972	B_2089	Ba4554	Ba4554-2	Be3130	Ca3179	Cd2288	Co2286	Cr2677
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	.17662	.70831	.06229	.0939	.0483	.35642	3.6545	11.528	3.8117	6.6982	1.2749	1.4172	.19732
Stddev	.00170	.00486	.00040	.0008	.0003	.00278	.0285	.093	.0228	.0513	.0117	.0086	.00143
%RSD	.96499	.68582	.63680	.8137	.5302	.78072	.77957	.80736	.59946	.76619	.91938	.60505	.72685
#1	.17542	.71174	.06201	.0934	.0482	.35445	3.6746	11.462	3.8278	6.7345	1.2666	1.4111	.19630
#2	.17783	.70487	.06257	.0944	.0485	.35839	3.6343	11.594	3.7955	6.6619	1.2832	1.4232	.19833

Elem	Cu3247	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	Cts/S
Avg	.25528	3.8494	.25306	2.3277	74.910	.83473	1.2485	1.0248	.62025	6.3440	.25166	.56899	.34577
Stddev	.00049	.0291	.00199	.0200	.735	.00795	.0057	.0058	.00489	.0527	.00075	.00406	.00257
%RSD	.19104	.75722	.78675	.86005	.98176	.95247	.45300	.56429	.78904	.83004	.29908	.71310	.74449
#1	.25494	3.8700	.25447	2.3418	74.390	.84035	1.2445	1.0207	.61679	6.3812	.25220	.56612	.34395
#2	.25562	3.8288	.25165	2.3135	75.430	.82910	1.2525	1.0289	.62371	6.3067	.25113	.57185	.34759

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	1.5981	.10955	.06578	1.2164	.38351	5.2284	.22390	.18288	.23816	.09466
Stddev	.0135	.00085	.00043	.0107	.00267	.0365	.00043	.00103	.00151	.00060
%RSD	.84250	.77445	.65811	.87900	.69537	.69782	.19267	.56461	.63486	.63715
#1	1.5886	.10895	.06547	1.2240	.38162	5.2542	.22359	.18215	.23709	.09423
#2	1.6076	.11015	.06608	1.2089	.38539	5.2026	.22420	.18361	.23923	.09509

Int. Std.	In2306	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	4374.3	7782.4	46585.	13867.
Stddev	23.1	55.4	318.	124.
%RSD	.52832	.71180	.68249	.89148
#1	4390.7	7821.6	46810.	13780.
#2	4358.0	7743.2	46360.	13954.

Sample Name: ICV-668707 Acquired: 4/12/2012 15:14:00 Type: QC
Method: ICAP2 2012(v35) Mode: CONC Corr. Factor: 1.000000
User: LMH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	As1937	As1972	B_2089	Ba4554-2	Be3130	Ca3179	Cd2288	Co2286	Cr2677	Cu3247
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.37111	18.919	.36722	.3669	.3647	.36601	.38276	.36979	18.622	.37051	.36064	.37936	.37381
Stddev	.00156	.114	.00560	.0023	.0011	.00146	.00088	.00025	.009	.00127	.00116	.00053	.00068
%RSD	.42006	.60483	1.5250	.6143	.2946	.39802	.23109	.06836	.04801	.34279	.32288	.13870	.18229
#1	.37222	18.838	.36326	.3653	.3654	.36498	.38338	.36961	18.616	.36961	.35982	.37973	.37429
#2	.37001	19.000	.37118	.3685	.3639	.36704	.38213	.36997	18.628	.37141	.36146	.37899	.37333
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	Fe2599	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	ppm
Avg	18.949	18.684	18.101	.37615	18.607	.38279	.37915	18.563	.36668	.36643	18.383	.37829	.36723
Stddev	.028	.103	.063	.00179	.076	.00132	.00116	.041	.00137	.00331	.026	.00023	.00388
%RSD	.14796	.54867	.34652	.47617	.40956	.34501	.30500	.21896	.37472	.90412	.14301	.06118	1.0574
#1	18.929	18.611	18.145	.37742	18.660	.38373	.37833	18.534	.36571	.36409	18.365	.37845	.36449
#2	18.968	18.756	18.057	.37488	18.553	.38186	.37996	18.592	.36765	.36877	18.402	.37813	.36998
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	Si2881	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Y_3600-2	Y_3710	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm	Cts/S	Cts/S	ppm
Avg	18.499	.38324	.37014	.37442	.37833	.37550	z *****	z *****	.38401
Stddev	.040	.00089	.00127	.00103	.00477	.00194	-----	-----	.00135
%RSD	.21625	.23132	.34296	.27487	1.2612	.51751	-----	-----	.35132
#1	18.471	.38261	.36924	.37515	.37495	.37688	z 7483.	z 21790.	.38497
#2	18.527	.38386	.37104	.37369	.38170	.37413	z 7468.	z 21770.	.38306
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	None	Chk Pass
Value									
Range									

Int. Std.	In2306	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	4600.9	7982.2	47975.	13962.
Stddev	2.3	1.4	183.	18.
%RSD	.04969	.01806	.38075	.12844
#1	4599.3	7981.2	47846.	13975.
#2	4602.5	7983.2	48105.	13949.

Sample Name: ICB-665389 Acquired: 4/12/2012 15:16:00 Type: QC
Method: ICAP2 2012(v35) Mode: CONC Corr. Factor: 1.000000
User: LMH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	As1937	As1972	B_2089	Ba4554-2	Be3130	Ca3179	Cd2288	Co2286	Cr2677	Cu3247
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00063**	**.03794**	**.00306**	**.0004**	**.0007**	**.00162**	**.00034**	**.00032**	**.01788**	**.00019**	**.00013**	**-.00029**	**-.00009**
Stddev	.00001	.01075	.00173	.0003	.0024	.00016	.00001	.00003	.00010	.00007	.00006	.00028	.00035
%RSD	.80074	28.344	56.538	87.83	339.5	9.7813	3.7717	10.163	.56421	34.522	48.088	98.413	404.03
#1	-.00062	.04554	.00184	.0001	-.0010	.00173	.00035	.00030	.01781	.00024	.00017	-.00049	-.00034
#2	-.00063	.03033	.00428	.0006	.0024	.00151	.00033	.00035	.01795	.00014	.00008	-.00009	.00016
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	Fe2599	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	ppm
Avg	**.01888**	**.02422**	**.01093**	**.00097**	**.01744**	**.00037**	**.00003**	**.01240**	**.00046**	**.00039**	**.01116**	**.00040**	**-.00134**
Stddev	.00332	.02221	.00030	.00017	.00160	.00003	.00002	.00593	.00014	.00053	.00163	.00037	.00208
%RSD	17.579	91.696	2.7132	17.417	9.1774	9.3219	44.267	47.853	31.432	136.93	14.583	92.007	154.96
#1	.01653	.00852	.01114	.00085	.01630	.00035	.00002	.01660	.00056	.00001	.01231	.00066	.00013
#2	.02122	.03992	.01072	.00109	.01857	.00040	.00005	.00820	.00036	.00077	.01001	.00014	-.00282
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	Si2881	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Y_3600-2	Y_3710	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm	Cts/S	Cts/S	ppm
Avg	**.04142**	**.00013**	**.00050**	**.00007**	**.00102**	**.00003**	z *****	z *****	**.00057**
Stddev	.01789	.00002	.00004	.00009	.00080	.00050	-----	-----	.00018
%RSD	43.189	13.607	7.7797	117.44	78.598	1630.4	-----	-----	32.187
#1	.02877	.00014	.00047	.00014	.00045	.00038	z 7584.	z 22020.	.00070
#2	.05406	.00012	.00053	.00001	.00159	-.00032	z 7528.	z 21860.	.00044
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	None	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	**4760.8**	**8098.3**	**49386.**	**14033.**
Stddev	15.3	19.9	84.	94.
%RSD	.32169	.24581	.17045	.66822
#1	4771.6	8112.4	49445.	14099.
#2	4750.0	8084.2	49326.	13967.

Sample Name: CRI-649194 Acquired: 4/12/2012 15:18:08 Type: QC
Method: ICAP2 2012(v35) Mode: CONC Corr. Factor: 1.000000
User: LMH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	As1937	As1972	B_2089	Ba4554-2	Be3130	Ca3179	Cd2288	Co2286	Cr2677
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	W .00165	.22663	.01124	.0109	W .0056	.02111	.00229	.00230	.53297	.00129	.00396	.00384
Stddev	.00058	.00362	.00047	.0009	.0010	.00009	.00000	.00008	.00263	.00004	.00002	.00030
%RSD	35.177	1.5983	4.1459	8.363	18.59	.42178	.16499	3.5687	.49301	3.0931	.60443	7.7083
#1	.00124	.22919	.01157	.0116	.0064	.02105	.00229	.00224	.53483	.00131	.00398	.00364
#2	.00206	.22407	.01091	.0103	.0049	.02118	.00228	.00235	.53111	.00126	.00395	.00405
Check ?	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value	.00300				.0100							
Range	-30.000%				-30.00%							

Elem	Cu3247	Fe2599	K_7664	K_7664-2	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203	S_1820
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.01013	.06038	.54766	.38558	.03154	.21153	.00331	.01048	1.0435	.01055	.00482	.01307
Stddev	.00044	.00034	.00156	.00260	.00171	.00048	.00016	.00001	.0035	.00027	.00046	.00076
%RSD	4.3908	.56462	.28470	.67377	5.4212	.22780	4.8032	.12000	.33958	2.5986	9.5919	5.7907
#1	.00981	.06014	.54656	.38741	.03275	.21119	.00342	.01049	1.0460	.01074	.00450	.01254
#2	.01044	.06062	.54876	.38374	.03033	.21187	.00320	.01047	1.0409	.01035	.00515	.01361
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None
Value												
Range												

Elem	Sb2068	Se1960	Si2881	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Y_3600-2	Y_3710	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	Cts/S	Cts/S	ppm
Avg	.02197	.01317	.53852	.00747	.00540	.00546	.02081	.00529	z *****	z *****	.01065
Stddev	.00170	.00497	.02052	.00031	.00003	.00027	.00141	.00081	-----	-----	.00009
%RSD	7.7500	37.721	3.8101	4.2032	.62055	4.9007	6.7561	15.277	-----	-----	.83848
#1	.02317	.01668	.55303	.00725	.00537	.00565	.02181	.00587	z 7563.	z 21960.	.01059
#2	.02076	.00966	.52401	.00769	.00542	.00527	.01982	.00472	z 7573.	z 21930.	.01071
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	None	Chk Pass
Value											
Range											

Int. Std.	In2306	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	4740.1	8063.0	49324.	14047.
Stddev	6.2	20.2	76.	16.
%RSD	.13118	.25035	.15443	.11110
#1	4735.7	8048.8	49270.	14058.
#2	4744.5	8077.3	49377.	14036.

Sample Name: ICSA-659146 Acquired: 4/12/2012 15:20:17 Type: QC
Method: ICAP2 2012(v35) Mode: CONC Corr. Factor: 1.000000
User: LMH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	As1937	As1972	B_2089	Ba4554-2	Be3130	Ca3179	Cd2288	Co2286	Cr2677	Cu3247
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00120**	**496.83**	**-.00253**	F **.4072**	**-.0108**	**-.00254**	**.00040**	**.00008**	**465.84**	**.00210**	**.00036**	**-.00032**	**.00227**
Stddev	.00127	.18	.00148	.0088	.0049	.00068	.00003	.00002	1.93	.00011	.00017	.00038	.00068
%RSD	105.89	.03670	58.390	2.154	45.15	26.747	6.8063	29.644	.41472	5.1457	45.761	118.05	30.170
#1	-.00030	496.71	-.00149	.4134	-.0074	-.00206	.00038	.00010	464.47	.00217	.00048	-.00059	.00178
#2	-.00209	496.96	-.00357	.4009	-.0143	-.00302	.00042	.00006	467.21	.00202	.00025	-.00005	.00275
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				.0200									
Low Limit				-.0200									

Elem	Fe2714	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	ppm
Avg	**187.27**	**-.06565**	**-.00322**	**.00810**	**487.56**	**.00128**	**-.00277**	**.03667**	**.00417**	**-.00140**	**-.09723**	**.01662**	**-.00144**
Stddev	.16	.02309	.00050	.00084	.99	.00003	.00030	.00496	.00041	.00233	.00498	.00026	.00066
%RSD	.08402	35.166	15.429	10.375	.20343	2.6533	10.681	13.535	9.9389	166.23	5.1256	1.5664	46.055
#1	187.16	-.08197	-.00287	.00750	486.86	.00126	-.00256	.04018	.00446	.00025	-.10076	.01644	-.00097
#2	187.38	-.04932	-.00357	.00869	488.27	.00130	-.00298	.03316	.00388	-.00305	-.09371	.01681	-.00191
Check ?	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass
High Limit													
Low Limit													

Elem	Si2881	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Y_3600-2	Y_3710	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm	Cts/S	Cts/S	ppm
Avg	**.00634**	**.00159**	**.00125**	**.00595**	**-.00198**	**.00178**	z *****	z *****	**.00131**
Stddev	.00971	.00032	.00002	.00033	.00282	.00019	-----	-----	.00042
%RSD	153.08	19.854	1.6233	5.5823	142.75	10.784	-----	-----	31.980
#1	.01321	.00137	.00126	.00571	.00002	.00192	z 7158.	z 20890.	.00161
#2	-.00052	.00181	.00123	.00618	-.00398	.00165	z 7154.	z 20900.	.00101
Check ?	None	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	None	None	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	**3812.8**	**7132.5**	**42221.**	**13435.**
Stddev	8.5	12.8	75.	6.
%RSD	.22218	.17977	.17765	.04172
#1	3806.8	7123.5	42274.	13431.
#2	3818.7	7141.6	42168.	13439.

Sample Name: ICSAB-662364 Acquired: 4/12/2012 15:22:30 Type: QC
Method: ICAP2 2012(v35) Mode: CONC Corr. Factor: 1.000000
User: LMH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	As1937	As1972	B_2089	Ba4554-2	Be3130	Ca3179	Cd2288	Co2286	Cr2677	Cu3247
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.16842**	**492.79**	**.10232**	F **.5112**	**.1014**	**.00242**	**.50175**	**.51290**	**460.40**	**1.0346**	**.50225**	**.50241**	**.52107**
Stddev	.00198	2.15	.00218	.0010	.0058	.00048	.00049	.00070	1.67	.0052	.00298	.00031	.00122
%RSD	1.1786	.43543	2.1278	.1884	5.704	20.049	.09741	.13633	.36274	.50184	.59292	.06157	.23334
#1	.16983	491.27	.10078	.5119	.0973	.00276	.50210	.51241	461.58	1.0383	.50436	.50219	.52193
#2	.16702	494.31	.10386	.5105	.1055	.00207	.50141	.51340	459.22	1.0309	.50015	.50263	.52022
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value				.1000									
Range				20.00%									

Elem	Fe2714	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	ppm
Avg	**93.537**	**.00429**	**.00850**	**.52332**	**499.06**	**.47833**	**-.00170**	**.09982**	**.97658**	**.04862**	**.00734**	**.61504**	**.05151**
Stddev	.885	.01481	.00016	.00405	6.16	.00065	.00061	.00138	.00499	.00539	.00367	.00612	.00474
%RSD	.94578	344.86	1.9080	.77425	1.2351	.13567	35.679	1.3853	.51088	11.096	50.090	.99559	9.2084
#1	92.912	-.00618	.00862	.52045	494.70	.47787	-.00127	.10079	.98011	.05243	.00993	.61937	.05486
#2	94.163	.01476	.00839	.52618	503.42	.47879	-.00213	.09884	.97305	.04480	.00474	.61071	.04815
Check ?	Chk Pass	None	None	None	Chk Pass	Chk Pass	None	None	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass
Value													
Range													

Elem	Si2881	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Y_3600-2	Y_3710	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm	Cts/S	Cts/S	ppm
Avg	**1.0626**	**.00230**	**.49346**	**.00571**	**.10122**	**.51321**	z *****	z *****	**1.0471**
Stddev	.0233	.00095	.00191	.00082	.00192	.00066	-----	-----	.0016
%RSD	2.1917	41.574	.38653	14.341	1.8971	.12795	-----	-----	.15647
#1	1.0462	.00162	.49211	.00629	.10258	.51367	z 7248.	z 21160.	1.0459
#2	1.0791	.00297	.49481	.00513	.09987	.51274	z 7294.	z 21320.	1.0483
Check ?	None	None	None	None	Chk Pass	Chk Pass	None	None	Chk Pass
Value									
Range									

Int. Std.	In2306	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**3857.0**	**7153.9**	**42570.**	**13633.**
Stddev	28.2	48.0	172.	66.
%RSD	.73238	.67166	.40366	.48767
#1	3837.0	7120.0	42692.	13586.
#2	3877.0	7187.9	42449.	13680.

Sample Name: CCV-665391 Acquired: 4/12/2012 15:24:38 Type: QC
Method: ICAP2 2012(v35) Mode: CONC Corr. Factor: 1.000000
User: LMH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	As1937	As1972	B_2089	Ba4554-2	Be3130	Ca3179	Cd2288	Co2286	Cr2677	Cu3247
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.49692	25.505	.49156	.4934	.4967	.49037	.50501	.49479	25.317	.49845	.48655	.50458	.49404
Stddev	.00426	.187	.00199	.0026	.0028	.00137	.00192	.00220	.140	.00254	.00263	.00041	.00204
%RSD	.85787	.73203	.40449	.5303	.5539	.27887	.38082	.44530	.55466	.51031	.53971	.08155	.41378
#1	.49390	25.373	.49297	.4952	.4987	.49134	.50365	.49323	25.217	.50025	.48840	.50429	.49259
#2	.49993	25.637	.49016	.4915	.4948	.48941	.50637	.49635	25.416	.49665	.48469	.50487	.49549
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	Fe2599	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	ppm
Avg	25.269	25.050	24.981	.49994	24.984	.50680	.50862	25.013	.49348	.49198	24.752	.50265	.49459
Stddev	.125	.173	.265	.00038	.003	.00125	.00270	.129	.00156	.00075	.133	.00133	.00458
%RSD	.49402	.68954	1.0613	.07510	.01264	.24589	.52989	.51671	.31703	.15310	.53681	.26545	.92703
#1	25.181	24.928	25.168	.49968	24.982	.50592	.51052	24.922	.49459	.49251	24.846	.50170	.49135
#2	25.357	25.172	24.793	.50021	24.986	.50768	.50671	25.104	.49238	.49144	24.658	.50359	.49783
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	Si2881	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Y_3600-2	Y_3710	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm	Cts/S	Cts/S	ppm
Avg	24.651	.51898	.49778	.49581	.51017	.50214	z *****	z *****	.51466
Stddev	.147	.00212	.00281	.00217	.00413	.00030	-----	-----	.00145
%RSD	.59474	.40938	.56353	.43813	.81039	.05959	-----	-----	.28233
#1	24.548	.52048	.49580	.49427	.51309	.50235	z 7535.	z 21910.	.51569
#2	24.755	.51748	.49976	.49734	.50725	.50193	z 7445.	z 21730.	.51364
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	None	Chk Pass
Value									
Range									

Int. Std.	In2306	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	4556.9	7939.2	48076.	13996.
Stddev	3.8	5.7	57.	107.
%RSD	.08406	.07144	.11801	.76386
#1	4554.2	7935.2	48116.	14071.
#2	4559.6	7943.2	48036.	13920.

Sample Name: CCB-665389 Acquired: 4/12/2012 15:26:36 Type: QC
Method: ICAP2 2012(v35) Mode: CONC Corr. Factor: 1.000000
User: LMH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	As1937	As1972	B_2089	Ba4554-2	Be3130	Ca3179	Cd2288	Co2286	Cr2677	Cu3247
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00178**	**.13899**	**.00094**	**-.0009**	**.0008**	**.00101**	**.00030**	**.00026**	**.09151**	**.00030**	**.00019**	**-.00040**	**.00025**
Stddev	.00010	.00837	.00264	.0016	.0020	.00006	.00001	.00008	.00193	.00012	.00016	.00026	.00004
%RSD	5.4949	6.0237	280.55	180.7	232.5	6.3241	3.5371	31.785	2.1093	42.037	83.752	65.060	14.428
#1	-.00185	.13307	-.00093	.0002	.0022	.00106	.00030	.00020	.09015	.00038	.00031	-.00058	.00022
#2	-.00171	.14491	.00281	-.0020	-.0005	.00097	.00031	.00032	.09288	.00021	.00008	-.00022	.00027
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	Fe2599	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	ppm
Avg	**.03015**	**.07745**	**.00964**	**.00185**	**.08109**	**.00031**	**.00032**	**.02207**	**.00064**	**-.00013**	**.00717**	**.00073**	**-.00027**
Stddev	.00141	.00541	.00057	.00079	.01323	.00001	.00015	.00769	.00022	.00141	.00214	.00022	.00028
%RSD	4.6805	6.9827	5.8906	42.692	16.311	3.5059	46.721	34.872	34.686	1104.2	29.875	30.048	103.61
#1	.03115	.07363	.01004	.00129	.09044	.00030	.00043	.02751	.00079	-.00112	.00565	.00089	-.00047
#2	.02915	.08128	.00923	.00241	.07174	.00031	.00021	.01663	.00048	.00087	.00868	.00058	-.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	Si2881	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Y_3600-2	Y_3710	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm	Cts/S	Cts/S	ppm
Avg	**.01565**	**.00041**	**.00056**	**.00017**	**.00111**	**.00049**	z *****	z *****	**.00044**
Stddev	.00546	.00005	.00011	.00034	.00091	.00059	-----	-----	.00015
%RSD	34.871	10.945	19.560	201.83	82.008	121.04	-----	-----	35.117
#1	.01179	.00038	.00048	-.00007	.00047	.00007	z 7670.	z 22390.	.00033
#2	.01950	.00045	.00063	.00041	.00176	.00090	z 7551.	z 22060.	.00055
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	None	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	**4772.0**	**8109.3**	**49390.**	**14367.**
Stddev	.6	13.9	666.	168.
%RSD	.01329	.17082	1.3491	1.1701
#1	4771.5	8099.5	48918.	14486.
#2	4772.4	8119.1	49861.	14249.

Sample Name: 18327-7 SOL RAW Acquired: 4/12/2012 15:28:43 Type: Unk
Method: ICAP2 2012(v35) Mode: CONC Corr. Factor: 1.000000
User: LMH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	As1937	As1972	B_2089	Ba4554-2	Be3130	Ca3179
Line	328.068 {103}	308.215 {109}	189.042 {478}	193.759 {474}	197.262 {471}	208.959 {461}	455.403 { 74}2	313.042 {108}	317.933 {106}
IS Ref	(Y_3600)	(Y_3774)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3774)	(Y_3774)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00147**	**.01576**	**.00340**	**.0014**	**-.0069**	**.10260**	**.14741**	**.00007**	**119.79**
Stddev	.00047	.01158	.00286	.0015	.0025	.00190	.00073	.00002	1.15
%RSD	32.064	73.507	84.216	103.4	36.42	1.8549	.49448	31.549	.96379
#1	-.00113	.00757	.00542	.0004	-.0087	.10395	.14690	.00005	120.61
#2	-.00180	.02395	.00137	.0025	-.0051	.10126	.14793	.00008	118.98
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Cd2288	Co2286	Cr2677	Cu3247	Fe2599	K_7664	K_7664-2	Li6707	Mg2790
Line	228.802 {447}	228.616 {447}	267.716 {126}	324.754 {104}	259.940 {130}	766.490 { 44}	766.490 { 44}2	670.784 { 50}	279.079 {121}2
IS Ref	(Y_2243)	(In2306)	(Y_3600)	(Y_3600)	(Y_3774)	(Y_3774)	(Y_3600)	(Y_3774)	(Y_3600)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00018**	**.00031**	**-.00044**	**.00109**	**1.6673**	**2.4191**	**2.8924**	**.03057**	**67.949**
Stddev	.00010	.00001	.00056	.00020	.0188	.0266	.0137	.00205	.233
%RSD	57.849	2.7365	126.60	18.705	1.1289	1.1001	.47323	6.6928	.34303
#1	.00010	.00031	-.00083	.00095	1.6806	2.4379	2.8827	.03201	67.784
#2	.00025	.00032	-.00005	.00124	1.6540	2.4003	2.9020	.02912	68.114
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Mn2576	Mo2020	Na5895	Ni2316	Pb2203	S_1820	Sb2068	Se1960	Si2881
Line	257.610 {131}	202.030 {467}	589.592 { 57}	231.604 {446}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}2
IS Ref	(Y_3600)	(Y_2243)	(Y_3774)	(In2306)	(In2306)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3774)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.01891**	**.00147**	**18.220**	**.00158**	**.00070**	**9.0037**	**.00058**	**.00244**	**10.002**
Stddev	.00016	.00006	.154	.00034	.00004	.1539	.00047	.00395	.072
%RSD	.84978	4.3482	.84406	21.623	5.0080	1.7097	81.903	161.78	.72231
#1	.01879	.00142	18.329	.00182	.00068	9.1126	.00024	-.00035	10.053
#2	.01902	.00151	18.111	.00134	.00073	8.8949	.00091	.00524	9.9513
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Y_3600-2	Y_3710	Zn2062
Line	189.989 {477}	407.771 { 83}	334.904 {101}	190.856 {477}	292.402 {115}	360.073 { 94}2	371.030 { 91}	206.200 {163}
IS Ref	(In2306)	(Y_3774)	(Y_3600)	(In2306)	(Y_3600)	(none)	(none)	(Y_3600)
Units	ppm	ppm	ppm	ppm	ppm	Cts/S	Cts/S	ppm
Avg	**-.00007**	**.36131**	**.00157**	**-.00058**	**.00073**	*****	*****	**.00069**
Stddev	.00024	.00292	.00012	.00110	.00027	-----	-----	.00053
%RSD	318.23	.80690	7.5931	188.32	37.132	-----	-----	76.400
#1	-.00024	.36338	.00166	.00019	.00053	7733.	22400.	.00106
#2	.00009	.35925	.00149	-.00136	.00092	7665.	22310.	.00032
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	None	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	**4575.2**	**7938.3**	**48771.**	**14305.**
Stddev	51.2	88.6	276.	56.
%RSD	1.1186	1.1161	.56664	.38881
#1	4539.0	7875.7	48967.	14345.
#2	4611.4	8001.0	48576.	14266.

Sample Name: 18279-1 TOT RAW Acquired: 4/12/2012 15:30:46 Type: Unk
Method: ICAP2 2012(v35) Mode: CONC Corr. Factor: 1.000000
User: LMH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	As1937	As1972	B_2089	Ba4554-2	Be3130	Ca3179
Line	328.068 {103}	308.215 {109}	189.042 {478}	193.759 {474}	197.262 {471}	208.959 {461}	455.403 { 74}2	313.042 {108}	317.933 {106}
IS Ref	(Y_3600)	(Y_3774)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3774)	(Y_3774)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00191**	**.04530**	**.00395**	**.0061**	**-.0016**	**.02643**	**.03949**	**.00013**	**52.878**
Stddev	.00183	.01741	.00127	.0012	.0002	.00090	.00037	.00006	.528
%RSD	95.697	38.430	32.083	19.65	10.94	3.4139	.94614	44.602	.99874
#1	-.00062	.03299	.00306	.0053	-.0015	.02707	.03976	.00009	53.252
#2	-.00320	.05761	.00485	.0070	-.0018	.02579	.03923	.00017	52.505
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Cd2288	Co2286	Cr2677	Cu3247	Fe2599	K_7664	K_7664-2	Li6707	Mg2790
Line	228.802 {447}	228.616 {447}	267.716 {126}	324.754 {104}	259.940 {130}	766.490 { 44}	766.490 { 44}2	670.784 { 50}	279.079 {121}2
IS Ref	(Y_2243)	(In2306)	(Y_3600)	(Y_3600)	(Y_3774)	(Y_3774)	(Y_3600)	(Y_3774)	(Y_3600)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00011**	**.00048**	**-.00012**	**.00341**	**.10321**	**1.7082**	**1.6804**	**.00125**	**10.616**
Stddev	.00010	.00012	.00055	.00031	.00115	.0367	.0149	.00140	.126
%RSD	97.080	24.329	440.35	9.1058	1.1129	2.1501	.88767	112.17	1.1861
#1	.00018	.00056	.00026	.00319	.10402	1.7342	1.6909	.00026	10.705
#2	.00003	.00040	-.00051	.00363	.10240	1.6822	1.6698	.00224	10.527
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Mn2576	Mo2020	Na5895	Ni2316	Pb2203	S_1820	Sb2068	Se1960	Si2881
Line	257.610 {131}	202.030 {467}	589.592 { 57}	231.604 {446}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}2
IS Ref	(Y_3600)	(Y_2243)	(Y_3774)	(In2306)	(In2306)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3774)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00530**	**.00691**	**2.1094**	**.00191**	**-.00062**	**18.373**	**.00284**	**.00139**	**2.8063**
Stddev	.00006	.00003	.0276	.00020	.00087	.056	.00019	.00155	.0178
%RSD	1.0949	.48661	1.3064	10.499	139.97	.30610	6.6411	111.50	.63385
#1	.00526	.00689	2.1289	.00205	-.00124	18.413	.00271	.00249	2.8189
#2	.00534	.00693	2.0899	.00177	-.00001	18.333	.00297	.00029	2.7938
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Y_3600-2	Y_3710	Zn2062
Line	189.989 {477}	407.771 { 83}	334.904 {101}	190.856 {477}	292.402 {115}	360.073 { 94}2	371.030 { 91}	206.200 {163}
IS Ref	(In2306)	(Y_3774)	(Y_3600)	(In2306)	(Y_3600)	(none)	(none)	(Y_3600)
Units	ppm	ppm	ppm	ppm	ppm	Cts/S	Cts/S	ppm
Avg	**-.00084**	**1.3863**	**.00064**	**.00064**	**.00124**	*****	*****	**.00099**
Stddev	.00008	.0108	.00037	.00081	.00056	-----	-----	.00028
%RSD	9.6601	.78007	57.578	126.19	44.737	-----	-----	28.413
#1	-.00078	1.3940	.00089	.00007	.00164	7755.	22580.	.00119
#2	-.00090	1.3787	.00038	.00122	.00085	7800.	22730.	.00079
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	None	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	**4812.1**	**8163.2**	**49534.**	**14528.**
Stddev	3.1	15.0	304.	108.
%RSD	.06474	.18380	.61388	.74313
#1	4814.3	8173.8	49319.	14451.
#2	4809.9	8152.5	49749.	14604.

Sample Name: 18296-1 TOT RAW Acquired: 4/12/2012 15:32:51 Type: Unk
Method: ICAP2 2012(v35) Mode: CONC Corr. Factor: 1.000000
User: LMH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	As1937	As1972	B_2089	Ba4554-2	Be3130	Ca3179
Line	328.068 {103}	308.215 {109}	189.042 {478}	193.759 {474}	197.262 {471}	208.959 {461}	455.403 { 74}2	313.042 {108}	317.933 {106}
IS Ref	(Y_3600)	(Y_3774)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3774)	(Y_3774)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00251**	**.12920**	**.00589**	**.0064**	**-.0048**	**1.3808**	**.16124**	**.00006**	**267.34**
Stddev	.00115	.00643	.00218	.0010	.0005	.0047	.00052	.00001	.19
%RSD	45.681	4.9781	37.063	14.93	10.01	.34335	.32197	23.299	.06972
#1	-.00332	.12465	.00744	.0071	-.0051	1.3775	.16087	.00005	267.47
#2	-.00170	.13375	.00435	.0057	-.0045	1.3842	.16161	.00007	267.21
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Cd2288	Co2286	Cr2677	Cu3247	Fe2599	K_7664	K_7664-2	Li6707	Mg2790
Line	228.802 {447}	228.616 {447}	267.716 {126}	324.754 {104}	259.940 {130}	766.490 { 44}	766.490 { 44}2	670.784 { 50}	279.079 {121}2
IS Ref	(Y_2243)	(In2306)	(Y_3600)	(Y_3600)	(Y_3774)	(Y_3774)	(Y_3600)	(Y_3774)	(Y_3600)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00028**	**.00428**	**.00262**	**.00130**	**20.610**	**44.084**	**65.879**	**.07723**	**159.08**
Stddev	.00007	.00013	.00020	.00054	.335	.837	.421	.00221	.50
%RSD	26.034	3.0770	7.6858	41.114	1.6275	1.8989	.63936	2.8577	.31150
#1	.00033	.00418	.00248	.00168	20.372	43.492	66.177	.07566	158.73
#2	.00023	.00437	.00276	.00092	20.847	44.676	65.581	.07879	159.43
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Mn2576	Mo2020	Na8183	Ni2316	Pb2203	S_1820	Sb2068	Se1960	Si2881
Line	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}2
IS Ref	(Y_3600)	(Y_2243)	(Y_3774)	(In2306)	(In2306)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3774)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**13.969**	**-.00011**	**499.41**	**.05232**	**.00197**	**169.09**	**.00290**	**.00613**	**12.818**
Stddev	.029	.00030	11.19	.00033	.00197	.53	.00125	.00191	.333
%RSD	.20444	263.91	2.2402	.62339	99.824	.31477	43.067	31.099	2.5998
#1	13.949	-.00032	491.50	.05208	.00058	168.72	.00378	.00478	12.583
#2	13.989	.00010	507.32	.05255	.00336	169.47	.00202	.00748	13.054
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Y_3600-2	Y_3710	Zn2062
Line	189.989 {477}	407.771 { 83}	334.904 {101}	190.856 {477}	292.402 {115}	360.073 { 94}2	371.030 { 91}	206.200 {163}
IS Ref	(In2306)	(Y_3774)	(Y_3600)	(In2306)	(Y_3600)	(none)	(none)	(Y_3600)
Units	ppm	ppm	ppm	ppm	ppm	Cts/S	Cts/S	ppm
Avg	**.00103**	**.76683**	**.00809**	**.00118**	**.00273**	*****	*****	**.00782**
Stddev	.00036	.01367	.00210	.00025	.00066	-----	-----	.00025
%RSD	34.549	1.7827	25.901	21.440	24.333	-----	-----	3.2180
#1	.00129	.75716	.00958	.00100	.00226	7575.	22140.	.00800
#2	.00078	.77649	.00661	.00135	.00319	7434.	21710.	.00764
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	None	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	**4143.3**	**7517.5**	**44253.**	**14091.**
Stddev	7.2	18.4	40.	216.
%RSD	.17424	.24451	.08981	1.5356
#1	4148.4	7530.5	44281.	14244.
#2	4138.2	7504.5	44224.	13938.

Sample Name: CCV Acquired: 4/12/2012 15:35:19 Type: QC
Method: ICAP2 2012(v35) Mode: CONC Corr. Factor: 1.000000
User: LMH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	As1937	As1972	B_2089	Ba4554-2	Be3130	Ca3179	Cd2288	Co2286	Cr2677	Cu3247
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.50180**	**24.693**	**.49240**	**.4949**	**.4938**	**.49308**	**.51113**	**.48879**	**24.533**	**.49669**	**.48598**	**.50734**	**.49957**
Stddev	.00098	.015	.00088	.0006	.0010	.00043	.00192	.00059	.004	.00092	.00091	.00052	.00085
%RSD	.19567	.05905	.17852	.1138	.2040	.08785	.37622	.12044	.01448	.18484	.18687	.10304	.16949
#1	.50249	24.703	.49178	.4945	.4945	.49338	.51249	.48838	24.535	.49604	.48533	.50771	.50017
#2	.50110	24.683	.49302	.4953	.4931	.49277	.50977	.48921	24.530	.49734	.48662	.50697	.49897
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	Fe2599	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	ppm
Avg	**24.716**	**24.594**	**24.456**	**.49472**	**24.819**	**.51171**	**.50986**	**24.429**	**.49368**	**.49081**	**24.780**	**.50694**	**.49897**
Stddev	.009	.016	.068	.00050	.145	.00218	.00046	.036	.00071	.00189	.058	.00260	.00105
%RSD	.03743	.06494	.27650	.10053	.58446	.42691	.08966	.14772	.14304	.38609	.23331	.51235	.21115
#1	24.722	24.605	24.503	.49507	24.921	.51326	.50953	24.454	.49318	.49215	24.740	.50510	.49823
#2	24.709	24.582	24.408	.49437	24.716	.51017	.51018	24.403	.49418	.48947	24.821	.50877	.49972
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	Si2881	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Y_3600-2	Y_3710	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm	Cts/S	Cts/S	ppm
Avg	**24.821**	**.51937**	**.49015**	**.50260**	**.51073**	**.50369**	z *****	z *****	**.51351**
Stddev	.031	.00119	.00068	.00136	.00130	.00158	-----	-----	.00230
%RSD	.12349	.22965	.13864	.27073	.25432	.31380	-----	-----	.44835
#1	24.843	.51852	.49063	.50356	.50981	.50481	z 7424.	z 21780.	.51514
#2	24.800	.52021	.48967	.50163	.51165	.50258	z 7460.	z 21840.	.51188
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	None	Chk Pass
Value									
Range									

Int. Std.	In2306	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**4465.9**	**7793.6**	**46732.**	**14084.**
Stddev	1.0	6.3	433.	34.
%RSD	.02207	.08051	.92662	.24318
#1	4466.6	7798.1	46426.	14060.
#2	4465.2	7789.2	47038.	14109.

Sample Name: CCB Acquired: 4/12/2012 15:37:18 Type: QC
Method: ICAP2 2012(v35) Mode: CONC Corr. Factor: 1.000000
User: LMH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	As1937	As1972	B_2089	Ba4554-2	Be3130	Ca3179	Cd2288	Co2286	Cr2677	Cu3247
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00061**	**.04463**	**.00080**	**.0007**	**-.0067**	**.00230**	**.00003**	**.00005**	**.02055**	**.00009**	**.00013**	**-.00102**	**.00025**
Stddev	.00088	.03032	.00138	.0010	.0007	.00005	.00000	.00002	.00295	.00002	.00001	.00003	.00040
%RSD	144.71	67.935	173.28	150.6	9.704	2.1635	9.7321	41.330	14.333	21.890	9.7403	2.9623	164.49
#1	-.00123	.06607	.00178	.0000	-.0063	.00234	.00003	.00007	.01847	.00011	.00012	-.00100	-.00004
#2	.00001	.02319	-.00018	.0014	-.0072	.00227	.00003	.00004	.02264	.00008	.00014	-.00104	.00053
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	Fe2599	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	ppm
Avg	**.00582**	**.02654**	**.00338**	**.00057**	**.00724**	**.00059**	**-.00022**	**.05588**	**.00060**	**.00094**	**.01494**	**-.00083**	**-.00111**
Stddev	.00206	.01186	.00027	.00076	.00396	.00007	.00010	.00040	.00002	.00031	.00035	.00054	.00401
%RSD	35.477	44.683	8.0043	133.83	54.617	11.837	45.266	.71772	2.5590	32.670	2.3445	64.701	361.78
#1	.00436	.03493	.00319	.00110	.01004	.00054	-.00015	.05560	.00059	.00115	.01469	-.00121	-.00394
#2	.00727	.01816	.00357	.00003	.00445	.00064	-.00029	.05617	.00061	.00072	.01519	-.00045	.00173
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	Si2881	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Y_3600-2	Y_3710	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm	Cts/S	Cts/S	ppm
Avg	**.03788**	**.00016**	**.00021**	**-.00002**	**.00118**	**-.00018**	z *****	z *****	**.00028**
Stddev	.01013	.00014	.00007	.00030	.00032	.00036	-----	-----	.00035
%RSD	26.751	87.584	34.693	1589.0	26.957	197.33	-----	-----	122.69
#1	.04504	.00006	.00026	-.00023	.00140	-.00043	z 7518.	z 21890.	.00004
#2	.03071	.00026	.00016	.00019	.00095	.00007	z 7482.	z 21790.	.00053
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	None	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	**4716.1**	**8027.4**	**49046.**	**14026.**
Stddev	1.4	7.2	88.	40.
%RSD	.03016	.08920	.17977	.28675
#1	4717.1	8032.4	48983.	14055.
#2	4715.1	8022.3	49108.	13998.

Sample Name: 18297-4 TOT RAW Acquired: 4/12/2012 15:39:27 Type: Unk
Method: ICAP2 2012(v35) Mode: CONC Corr. Factor: 1.000000
User: LMH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	As1937	As1972	B_2089	Ba4554-2	Be3130	Ca3179
Line	328.068 {103}	308.215 {109}	189.042 {478}	193.759 {474}	197.262 {471}	208.959 {461}	455.403 { 74}2	313.042 {108}	317.933 {106}
IS Ref	(Y_3600)	(Y_3774)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3774)	(Y_3774)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F **-.00371**	**4.8511**	**.00242**	**.0063**	**-.0061**	**.20175**	**.00571**	**.00191**	**468.25**
Stddev	.00058	.0326	.00202	.0011	.0011	.00126	.00001	.00006	2.00
%RSD	15.734	.67177	83.381	17.28	17.63	.62263	.25572	3.0251	.42698
#1	-.00329	4.8280	.00099	.0071	-.0069	.20264	.00572	.00195	466.84
#2	-.00412	4.8741	.00385	.0055	-.0053	.20087	.00570	.00187	469.67
Check ?	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	2.0000								
Low Limit	-.00300								

Elem	Cd2288	Co2286	Cr2677	Cu3247	Fe2599	K_7664	K_7664-2	Li6707	Mg2790
Line	228.802 {447}	228.616 {447}	267.716 {126}	324.754 {104}	259.940 {130}	766.490 { 44}	766.490 { 44}2	670.784 { 50}	279.079 {121}2
IS Ref	(Y_2243)	(In2306)	(Y_3600)	(Y_3600)	(Y_3774)	(Y_3774)	(Y_3600)	(Y_3774)	(Y_3600)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00272**	**.17050**	**-.00072**	**.00366**	**41.642**	**3.9706**	**5.8231**	**.35597**	**259.63**
Stddev	.00039	.00048	.00008	.00078	.239	.0229	.0258	.00423	.47
%RSD	14.519	.28335	11.545	21.217	.57308	.57645	.44330	1.1871	.17974
#1	.00244	.17084	-.00066	.00421	41.473	3.9867	5.8413	.35298	259.96
#2	.00299	.17016	-.00078	.00311	41.811	3.9544	5.8048	.35896	259.30
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Mn2576	Mo2020	Na5895	Ni2316	Pb2203	S_1820	Sb2068	Se1960	Si2881
Line	257.610 {131}	202.030 {467}	589.592 { 57}	231.604 {446}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}2
IS Ref	(Y_3600)	(Y_2243)	(Y_3774)	(In2306)	(In2306)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3774)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**19.552**	**-.00051**	**23.672**	**1.1831**	**.00193**	**741.59**	**.00271**	**.00138**	**10.536**
Stddev	.069	.00033	.122	.0052	.00056	.47	.00112	.00059	.054
%RSD	.35044	64.689	.51575	.43882	29.302	.06293	41.373	42.883	.51193
#1	19.503	-.00074	23.586	1.1868	.00233	741.92	.00350	.00180	10.498
#2	19.600	-.00027	23.759	1.1795	.00153	741.26	.00192	.00096	10.574
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Y_3600-2	Y_3710	Zn2062
Line	189.989 {477}	407.771 { 83}	334.904 {101}	190.856 {477}	292.402 {115}	360.073 { 94}2	371.030 { 91}	206.200 {163}
IS Ref	(In2306)	(Y_3774)	(Y_3600)	(In2306)	(Y_3600)	(none)	(none)	(Y_3600)
Units	ppm	ppm	ppm	ppm	ppm	Cts/S	Cts/S	ppm
Avg	**.00047**	**.64392**	**.00449**	**.00365**	**-.00186**	*****	*****	**3.4580**
Stddev	.00000	.00458	.00016	.00115	.00097	-----	-----	.0037
%RSD	.66089	.71184	3.6301	31.407	52.194	-----	-----	.10851
#1	.00047	.64068	.00460	.00447	-.00118	7647.	22310.	3.4607
#2	.00046	.64717	.00437	.00284	-.00255	7475.	21840.	3.4554
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	None	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	**4273.1**	**7668.7**	**45974.**	**14236.**
Stddev	19.4	26.0	220.	194.
%RSD	.45316	.33875	.47947	1.3656
#1	4259.5	7650.3	46129.	14373.
#2	4286.8	7687.1	45818.	14098.

Sample Name: 480-18292-A-3-A Acquired: 4/12/2012 15:41:44 Type: Unk
Method: ICAP2 2012(v35) Mode: CONC Corr. Factor: 1.000000
User: LMH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	As1937	As1972	B_2089	Ba4554-2	Be3130	Ca3179
Line	328.068 {103}	308.215 {109}	189.042 {478}	193.759 {474}	197.262 {471}	208.959 {461}	455.403 { 74}2	313.042 {108}	317.933 {106}
IS Ref	(Y_3600)	(Y_3774)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3774)	(Y_3774)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00130**	**18.947**	**.18470**	**.1894**	**.1728**	**.03373**	**.64633**	**.00317**	**862.81**
Stddev	.00083	.370	.00113	.0006	.0002	.00054	.00083	.00004	15.65
%RSD	63.911	1.9551	.61441	.3011	.1246	1.5915	.12851	1.3471	1.8136
#1	-.00072	18.685	.18550	.1890	.1729	.03411	.64691	.00314	851.75
#2	-.00189	19.209	.18389	.1898	.1726	.03335	.64574	.00320	873.88
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Cd2288	Co2286	Cr2677	Cu3247	Fe2714	K_7664	K_7664-2	Li6707	Mg2790
Line	228.802 {447}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}	766.490 { 44}2	670.784 { 50}	279.079 {121}2
IS Ref	(Y_2243)	(In2306)	(Y_3600)	(Y_3600)	(Y_3774)	(Y_3774)	(Y_3600)	(Y_3774)	(Y_3600)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00167**	**.04938**	**.11854**	**.22145**	**112.56**	**6.8930**	**9.2243**	**.04291**	**439.12**
Stddev	.00006	.00023	.00096	.00084	2.16	.1104	.0425	.00033	.40
%RSD	3.8823	.46626	.80776	.37810	1.9182	1.6009	.46130	.76831	.09116
#1	.00162	.04922	.11922	.22204	111.03	6.8150	9.1942	.04267	438.84
#2	.00171	.04954	.11786	.22086	114.08	6.9710	9.2543	.04314	439.41
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Mn2576	Mo2020	Na5895	Ni2316	Pb2203	S_1820	Sb2068	Se1960	Si2881
Line	257.610 {131}	202.030 {467}	589.592 { 57}	231.604 {446}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}2
IS Ref	(Y_3600)	(Y_2243)	(Y_3774)	(In2306)	(In2306)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3774)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**2.0450**	**.03407**	**.81710**	**.13866**	**.21082**	**11.951**	**.01117**	**-.00072**	**15.303**
Stddev	.0013	.00040	.01858	.00041	.00083	.014	.00058	.00250	.345
%RSD	.06243	1.1679	2.2744	.29238	.39242	.11507	5.2123	347.77	2.2524
#1	2.0441	.03435	.80395	.13838	.21024	11.941	.01158	.00105	15.059
#2	2.0459	.03379	.83024	.13895	.21141	11.961	.01076	-.00248	15.546
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Y_3600-2	Y_3710	Zn2062
Line	189.989 {477}	407.771 { 83}	334.904 {101}	190.856 {477}	292.402 {115}	360.073 { 94}2	371.030 { 91}	206.200 {163}
IS Ref	(In2306)	(Y_3774)	(Y_3600)	(In2306)	(Y_3600)	(none)	(none)	(Y_3600)
Units	ppm	ppm	ppm	ppm	ppm	Cts/S	Cts/S	ppm
Avg	**.02918**	**.59714**	**.32487**	**-.00321**	**.08353**	*****	*****	**.35415**
Stddev	.00009	.01154	.00245	.00058	.00027	-----	-----	.00011
%RSD	.30484	1.9325	.75362	18.183	.32243	-----	-----	.03140
#1	.02912	.58898	.32314	-.00363	.08372	7241.	21180.	.35407
#2	.02924	.60530	.32660	-.00280	.08334	7111.	20740.	.35423
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	None	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	**3711.3**	**7023.2**	**42376.**	**13504.**
Stddev	2.4	8.6	193.	211.
%RSD	.06538	.12212	.45658	1.5595
#1	3709.6	7017.2	42239.	13653.
#2	3713.1	7029.3	42513.	13355.

Sample Name: 480-18306-B-1-A@2 Acquired: 4/12/2012 15:44:01 Type: Unk
Method: ICAP2 2012(v35) Mode: CONC Corr. Factor: 1.000000
User: LMH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	As1937	As1972	B_2089	Ba4554-2	Be3130	Ca3179
Line	328.068 {103}	308.215 {109}	189.042 {478}	193.759 {474}	197.262 {471}	208.959 {461}	455.403 { 74}2	313.042 {108}	317.933 {106}
IS Ref	(Y_3600)	(Y_3774)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3774)	(Y_3774)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F **-.00948**	**.15828**	**.17805**	**.1863**	**.1460**	**.42886**	**.02832**	**.00004**	**218.52**
Stddev	.00080	.03470	.00152	.0003	.0007	.00275	.00037	.00004	2.95
%RSD	8.4522	21.921	.85434	.1364	.5053	.64039	1.3109	115.81	1.3508
#1	-.00891	.13374	.17912	.1862	.1455	.43080	.02806	.00001	216.43
#2	-.01004	.18281	.17697	.1865	.1466	.42692	.02859	.00007	220.61
Check ?	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	2.0000								
Low Limit	-.00300								

Elem	Cd2288	Co2286	Cr2677	Cu3247	Fe2714	K_7664	K_7664-2	Li6707	Mg2790
Line	228.802 {447}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}	766.490 { 44}2	670.784 { 50}	279.079 {121}2
IS Ref	(Y_2243)	(In2306)	(Y_3600)	(Y_3600)	(Y_3774)	(Y_3774)	(Y_3600)	(Y_3774)	(Y_3600)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00032**	**.13904**	**.36157**	**.50383**	F **1691.6**	**14.227**	**23.020**	**.92993**	**30.171**
Stddev	.00005	.00064	.00417	.00672	4.3	.013	.231	.00275	.385
%RSD	16.980	.45725	1.1539	1.3330	.25227	.09138	1.0046	.29556	1.2759
#1	.00036	.13949	.35862	.49908	1694.7	14.236	22.856	.93188	29.899
#2	.00028	.13859	.36452	.50858	1688.6	14.218	23.183	.92799	30.443
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					400.00				
Low Limit					-.05000				

Elem	Mn2576	Mo2020	Na8183	Ni2316	Pb2203	S_1820	Sb2068	Se1960	Si2881
Line	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}2
IS Ref	(Y_3600)	(Y_2243)	(Y_3774)	(In2306)	(In2306)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3774)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**15.314**	**.23933**	**353.29**	**.37081**	**.04293**	**36.774**	**.13976**	**.01810**	**1.2650**
Stddev	.016	.00109	.30	.00293	.00032	.133	.00058	.00212	.0237
%RSD	.10366	.45703	.08578	.78954	.74171	.36037	.41724	11.698	1.8707
#1	15.303	.24010	353.51	.37288	.04270	36.867	.13935	.01960	1.2818
#2	15.325	.23855	353.08	.36874	.04315	36.680	.14017	.01661	1.2483
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Y_3600-2	Y_3710	Zn2062
Line	189.989 {477}	407.771 { 83}	334.904 {101}	190.856 {477}	292.402 {115}	360.073 { 94}2	371.030 { 91}	206.200 {163}
IS Ref	(In2306)	(Y_3774)	(Y_3600)	(In2306)	(Y_3600)	(none)	(none)	(Y_3600)
Units	ppm	ppm	ppm	ppm	ppm	Cts/S	Cts/S	ppm
Avg	**.09403**	**7.1918**	**.02053**	**-.00650**	**.04159**	*****	*****	**.08739**
Stddev	.00004	.0500	.00024	.00056	.00064	-----	-----	.00112
%RSD	.04212	.69488	1.1802	8.5532	1.5311	-----	-----	1.2782
#1	.09406	7.2272	.02070	-.00689	.04205	7184.	20950.	.08660
#2	.09401	7.1565	.02036	-.00610	.04114	7190.	20970.	.08818
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	None	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	**3306.7**	**7123.4**	**42456.**	**13647.**
Stddev	17.5	30.6	402.	24.
%RSD	.52929	.42904	.94650	.17452
#1	3294.3	7101.8	42740.	13630.
#2	3319.0	7145.1	42172.	13664.

Sample Name: 480-18327-C-4-A Acquired: 4/12/2012 15:46:33 Type: Unk
Method: ICAP2 2012(v35) Mode: CONC Corr. Factor: 1.000000
User: LMH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	As1937	As1972	B_2089	Ba4554-2	Be3130	Ca3179
Line	328.068 {103}	308.215 {109}	189.042 {478}	193.759 {474}	197.262 {471}	208.959 {461}	455.403 { 74}2	313.042 {108}	317.933 {106}
IS Ref	(Y_3600)	(Y_3774)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3774)	(Y_3774)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00197**	**.37627**	**.07350**	**.0733**	**.0665**	**.07811**	**.32975**	**.00028**	**454.62**
Stddev	.00084	.01555	.00170	.0009	.0026	.00003	.01034	.00010	9.57
%RSD	42.490	4.1335	2.3177	1.261	3.857	.03226	3.1344	34.493	2.1047
#1	-.00138	.38727	.07470	.0727	.0683	.07810	.33706	.00021	461.38
#2	-.00256	.36527	.07229	.0740	.0647	.07813	.32245	.00035	447.85
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Cd2288	Co2286	Cr2677	Cu3247	Fe2714	K_7664	K_7664-2	Li6707	Mg2790
Line	228.802 {447}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}	766.490 { 44}2	670.784 { 50}	279.079 {121}2
IS Ref	(Y_2243)	(In2306)	(Y_3600)	(Y_3600)	(Y_3774)	(Y_3774)	(Y_3600)	(Y_3774)	(Y_3600)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00020**	**-.00054**	**-.00276**	**.01029**	**253.95**	**2.9224**	**3.8314**	**.02957**	**54.956**
Stddev	.00011	.00038	.00008	.00019	7.02	.0508	.1208	.00056	1.770
%RSD	58.031	71.461	2.7651	1.8636	2.7627	1.7376	3.1535	1.8856	3.2212
#1	.00028	-.00027	-.00271	.01042	258.91	2.9583	3.9168	.02917	56.208
#2	.00012	-.00081	-.00282	.01015	248.99	2.8865	3.7459	.02996	53.704
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Mn2576	Mo2020	Na5895	Ni2316	Pb2203	S_1820	Sb2068	Se1960	Si2881
Line	257.610 {131}	202.030 {467}	589.592 { 57}	231.604 {446}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}2
IS Ref	(Y_3600)	(Y_2243)	(Y_3774)	(In2306)	(In2306)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3774)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.16607**	**.03094**	**11.790**	**.00838**	**.00213**	**21.921**	**.02112**	**-.00148**	**29.189**
Stddev	.00602	.00006	.350	.00014	.00163	.143	.00010	.00352	.736
%RSD	3.6240	.20284	2.9695	1.6136	76.834	.65191	.48532	237.85	2.5213
#1	.17032	.03090	12.037	.00828	.00328	21.820	.02120	-.00397	29.709
#2	.16181	.03099	11.542	.00848	.00097	22.022	.02105	.00101	28.669
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Y_3600-2	Y_3710	Zn2062
Line	189.989 {477}	407.771 { 83}	334.904 {101}	190.856 {477}	292.402 {115}	360.073 { 94}2	371.030 { 91}	206.200 {163}
IS Ref	(In2306)	(Y_3774)	(Y_3600)	(In2306)	(Y_3600)	(none)	(none)	(Y_3600)
Units	ppm	ppm	ppm	ppm	ppm	Cts/S	Cts/S	ppm
Avg	**.00168**	**.38067**	**.00855**	**-.00066**	**.00535**	*****	*****	**.02289**
Stddev	.00015	.01118	.00088	.00015	.00094	-----	-----	.00056
%RSD	8.9730	2.9356	10.298	22.477	17.508	-----	-----	2.4635
#1	.00157	.38857	.00918	-.00056	.00601	7285.	21310.	.02329
#2	.00178	.37277	.00793	-.00077	.00469	7489.	21900.	.02250
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	None	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	**4145.1**	**7516.8**	**44603.**	**13931.**
Stddev	14.9	31.4	1185.	291.
%RSD	.35895	.41719	2.6569	2.0897
#1	4155.6	7539.0	43765.	13725.
#2	4134.6	7494.7	45441.	14137.

Sample Name: 480-18327-C-5-A Acquired: 4/12/2012 15:48:47 Type: Unk
Method: ICAP2 2012(v35) Mode: CONC Corr. Factor: 1.000000
User: LMH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	As1937	As1972	B_2089	Ba4554-2	Be3130	Ca3179
Line	328.068 {103}	308.215 {109}	189.042 {478}	193.759 {474}	197.262 {471}	208.959 {461}	455.403 { 74}2	313.042 {108}	317.933 {106}
IS Ref	(Y_3600)	(Y_3774)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3774)	(Y_3774)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00161**	**2.1287**	**.01991**	**.0218**	**.0155**	**.08880**	**.03964**	**.00004**	**123.09**
Stddev	.00069	.0196	.00306	.0005	.0042	.00035	.00003	.00003	.76
%RSD	43.085	.92046	15.379	2.273	27.45	.39919	.07202	76.165	.61599
#1	-.00209	2.1426	.01775	.0222	.0185	.08905	.03962	.00006	122.55
#2	-.00112	2.1148	.02208	.0215	.0125	.08855	.03966	.00002	123.62
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Cd2288	Co2286	Cr2677	Cu3247	Fe2599	K_7664	K_7664-2	Li6707	Mg2790
Line	228.802 {447}	228.616 {447}	267.716 {126}	324.754 {104}	259.940 {130}	766.490 { 44}	766.490 { 44}2	670.784 { 50}	279.079 {121}2
IS Ref	(Y_2243)	(In2306)	(Y_3600)	(Y_3600)	(Y_3774)	(Y_3774)	(Y_3600)	(Y_3774)	(Y_3600)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00025**	**.00106**	**.00501**	**.00299**	**8.1843**	**3.1448**	**3.3853**	**.03271**	**68.552**
Stddev	.00013	.00010	.00009	.00008	.0411	.0041	.0104	.00149	.080
%RSD	51.459	9.7971	1.6996	2.6401	.50204	.12966	.30845	4.5548	.11725
#1	.00016	.00113	.00507	.00305	8.1553	3.1476	3.3779	.03166	68.496
#2	.00034	.00099	.00495	.00294	8.2134	3.1419	3.3927	.03376	68.609
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Mn2576	Mo2020	Na5895	Ni2316	Pb2203	S_1820	Sb2068	Se1960	Si2881
Line	257.610 {131}	202.030 {467}	589.592 { 57}	231.604 {446}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}2
IS Ref	(Y_3600)	(Y_2243)	(Y_3774)	(In2306)	(In2306)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3774)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.06910**	**.02362**	**13.707**	**.00493**	**.00235**	**62.764**	**.00024**	**.00059**	**13.550**
Stddev	.00019	.00048	.068	.00027	.00137	.020	.00326	.00096	.066
%RSD	.27425	2.0345	.49400	5.4384	58.391	.03245	1333.5	164.42	.49037
#1	.06897	.02328	13.660	.00474	.00138	62.750	.00255	-.00010	13.503
#2	.06924	.02396	13.755	.00512	.00333	62.778	-.00206	.00127	13.597
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Y_3600-2	Y_3710	Zn2062
Line	189.989 {477}	407.771 { 83}	334.904 {101}	190.856 {477}	292.402 {115}	360.073 { 94}2	371.030 { 91}	206.200 {163}
IS Ref	(In2306)	(Y_3774)	(Y_3600)	(In2306)	(Y_3600)	(none)	(none)	(Y_3600)
Units	ppm	ppm	ppm	ppm	ppm	Cts/S	Cts/S	ppm
Avg	**.00009**	**.30311**	**.04007**	**.00031**	**.00315**	*****	*****	**.00646**
Stddev	.00013	.00166	.00029	.00007	.00064	-----	-----	.00014
%RSD	143.38	.54778	.72835	21.080	20.206	-----	-----	2.2273
#1	.00000	.30194	.03986	.00026	.00360	7490.	21830.	.00636
#2	.00018	.30429	.04027	.00036	.00270	7468.	21800.	.00656
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	None	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	**4437.6**	**7755.2**	**46596.**	**14032.**
Stddev	1.4	7.4	170.	23.
%RSD	.03097	.09597	.36376	.16267
#1	4438.6	7760.5	46716.	14016.
#2	4436.7	7750.0	46476.	14048.

Sample Name: 480-18327-C-6-A Acquired: 4/12/2012 15:50:52 Type: Unk
Method: ICAP2 2012(v35) Mode: CONC Corr. Factor: 1.000000
User: LMH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	As1937	As1972	B_2089	Ba4554-2	Be3130	Ca3179
Line	328.068 {103}	308.215 {109}	189.042 {478}	193.759 {474}	197.262 {471}	208.959 {461}	455.403 { 74}2	313.042 {108}	317.933 {106}
IS Ref	(Y_3600)	(Y_3774)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3774)	(Y_3774)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00278**	**39.123**	**.02502**	**.0558**	**.0187**	**.14037**	**.19518**	**.00199**	**376.74**
Stddev	.00052	.177	.00162	.0003	.0014	.00006	.00058	.00000	4.05
%RSD	18.558	.45293	6.4852	.5700	7.292	.04182	.29496	.16408	1.0750
#1	-.00242	39.249	.02388	.0556	.0178	.14041	.19558	.00199	373.87
#2	-.00315	38.998	.02617	.0560	.0197	.14032	.19477	.00199	379.60
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Cd2288	Co2286	Cr2677	Cu3247	Fe2714	K_7664	K_7664-2	Li6707	Mg2790
Line	228.802 {447}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 { 44}	766.490 { 44}2	670.784 { 50}	279.079 {121}2
IS Ref	(Y_2243)	(In2306)	(Y_3600)	(Y_3600)	(Y_3774)	(Y_3774)	(Y_3600)	(Y_3774)	(Y_3600)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00125**	**.03240**	**.10335**	**.08407**	**62.305**	**15.657**	**19.163**	**.10399**	**143.15**
Stddev	.00018	.00062	.00008	.00022	.049	.026	.126	.00091	.16
%RSD	14.700	1.9264	.07637	.25903	.07897	.16606	.65710	.87401	.10981
#1	.00112	.03196	.10329	.08423	62.340	15.675	19.252	.10463	143.26
#2	.00138	.03284	.10340	.08392	62.270	15.638	19.074	.10335	143.04
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Mn2576	Mo2020	Na5895	Ni2316	Pb2203	S_1820	Sb2068	Se1960	Si2881
Line	257.610 {131}	202.030 {467}	589.592 { 57}	231.604 {446}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}2
IS Ref	(Y_3600)	(Y_2243)	(Y_3774)	(In2306)	(In2306)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3774)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.5115**	**.01232**	**11.955**	**.11255**	**.04202**	**97.997**	**.00801**	**.00083**	**60.127**
Stddev	.0029	.00017	.022	.00018	.00015	.030	.00150	.00581	.131
%RSD	.18891	1.4119	.18392	.15989	.36227	.03099	18.730	697.84	.21819
#1	1.5136	.01220	11.970	.11268	.04191	98.018	.00695	.00494	60.220
#2	1.5095	.01245	11.939	.11242	.04212	97.975	.00907	-.00327	60.035
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Y_3600-2	Y_3710	Zn2062
Line	189.989 {477}	407.771 { 83}	334.904 {101}	190.856 {477}	292.402 {115}	360.073 { 94}2	371.030 { 91}	206.200 {163}
IS Ref	(In2306)	(Y_3774)	(Y_3600)	(In2306)	(Y_3600)	(none)	(none)	(Y_3600)
Units	ppm	ppm	ppm	ppm	ppm	Cts/S	Cts/S	ppm
Avg	**.00206**	**.53601**	**.59191**	**.00127**	**.07869**	*****	*****	**.24794**
Stddev	.00055	.00107	.00695	.00024	.00029	-----	-----	.00146
%RSD	26.679	.19959	1.1738	19.181	.37111	-----	-----	.58774
#1	.00167	.53677	.59682	.00144	.07890	7443.	21800.	.24897
#2	.00245	.53526	.58699	.00110	.07848	7469.	21870.	.24691
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	None	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	**4116.5**	**7536.9**	**45413.**	**14089.**
Stddev	5.2	12.2	31.	11.
%RSD	.12628	.16227	.06887	.07720
#1	4120.2	7545.6	45391.	14081.
#2	4112.8	7528.3	45435.	14097.

Sample Name: 480-18327-C-7-A Acquired: 4/12/2012 15:53:02 Type: Unk
Method: ICAP2 2012(v35) Mode: CONC Corr. Factor: 1.000000
User: LMH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	As1937	As1972	B_2089	Ba4554-2	Be3130	Ca3179
Line	328.068 {103}	308.215 {109}	189.042 {478}	193.759 {474}	197.262 {471}	208.959 {461}	455.403 { 74}2	313.042 {108}	317.933 {106}
IS Ref	(Y_3600)	(Y_3774)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3774)	(Y_3774)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00143**	**.10201**	**.00196**	**.0009**	**-.0059**	**.10824**	**.14487**	**.00012**	**123.21**
Stddev	.00061	.00256	.00253	.0011	.0006	.00057	.00085	.00004	.75
%RSD	42.616	2.5143	129.23	118.4	9.486	.52573	.58894	31.853	.60471
#1	-.00100	.10382	.00375	.0017	-.0055	.10865	.14427	.00009	122.68
#2	-.00186	.10019	.00017	.0001	-.0063	.10784	.14548	.00015	123.73
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Cd2288	Co2286	Cr2677	Cu3247	Fe2599	K_7664	K_7664-2	Li6707	Mg2790
Line	228.802 {447}	228.616 {447}	267.716 {126}	324.754 {104}	259.940 {130}	766.490 { 44}	766.490 { 44}2	670.784 { 50}	279.079 {121}2
IS Ref	(Y_2243)	(In2306)	(Y_3600)	(Y_3600)	(Y_3774)	(Y_3774)	(Y_3600)	(Y_3774)	(Y_3600)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00040**	**.00018**	**.00094**	**.00707**	**2.2800**	**2.5133**	**2.7032**	**.03043**	**68.181**
Stddev	.00024	.00002	.00012	.00100	.0151	.0046	.0100	.00305	.119
%RSD	60.166	9.1434	13.301	14.177	.66386	.18353	.37027	10.024	.17512
#1	.00023	.00019	.00085	.00778	2.2693	2.5165	2.6961	.02827	68.097
#2	.00057	.00017	.00102	.00636	2.2907	2.5100	2.7103	.03258	68.266
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Mn2576	Mo2020	Na5895	Ni2316	Pb2203	S_1820	Sb2068	Se1960	Si2881
Line	257.610 {131}	202.030 {467}	589.592 { 57}	231.604 {446}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}2
IS Ref	(Y_3600)	(Y_2243)	(Y_3774)	(In2306)	(In2306)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3774)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.02616**	**.00127**	**18.027**	**.00213**	**-.00026**	**10.957**	**-.00106**	**-.00128**	**10.105**
Stddev	.00008	.00011	.129	.00013	.00092	.020	.00054	.00207	.050
%RSD	.29560	8.7138	.71779	6.0144	346.84	.18102	50.876	161.45	.49923
#1	.02610	.00135	17.936	.00222	.00038	10.971	-.00144	-.00275	10.069
#2	.02621	.00120	18.119	.00204	-.00091	10.943	-.00068	.00018	10.140
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Y_3600-2	Y_3710	Zn2062
Line	189.989 {477}	407.771 { 83}	334.904 {101}	190.856 {477}	292.402 {115}	360.073 { 94}2	371.030 { 91}	206.200 {163}
IS Ref	(In2306)	(Y_3774)	(Y_3600)	(In2306)	(Y_3600)	(none)	(none)	(Y_3600)
Units	ppm	ppm	ppm	ppm	ppm	Cts/S	Cts/S	ppm
Avg	**.00003**	**.37169**	**.00203**	**-.00035**	**.00053**	*****	*****	**.01139**
Stddev	.00019	.00214	.00017	.00033	.00042	-----	-----	.00004
%RSD	541.88	.57668	8.4585	92.500	78.864	-----	-----	.33026
#1	.00017	.37017	.00191	-.00012	.00024	7394.	21640.	.01141
#2	-.00010	.37320	.00216	-.00058	.00083	7379.	21550.	.01136
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	None	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	**4394.7**	**7682.7**	**46296.**	**13892.**
Stddev	11.1	19.3	70.	59.
%RSD	.25167	.25084	.15142	.42388
#1	4386.9	7669.1	46247.	13934.
#2	4402.5	7696.3	46346.	13851.

Sample Name: 480-18327-C-8-A Acquired: 4/12/2012 15:55:06 Type: Unk
Method: ICAP2 2012(v35) Mode: CONC Corr. Factor: 1.000000
User: LMH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	As1937	As1972	B_2089	Ba4554-2	Be3130	Ca3179
Line	328.068 {103}	308.215 {109}	189.042 {478}	193.759 {474}	197.262 {471}	208.959 {461}	455.403 { 74}2	313.042 {108}	317.933 {106}
IS Ref	(Y_3600)	(Y_3774)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3774)	(Y_3774)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00089**	**.08508**	**.01000**	**.0092**	**.0050**	**.13527**	**.02400**	**.00005**	**142.72**
Stddev	.00175	.00230	.00105	.0011	.0015	.00163	.00013	.00007	3.50
%RSD	196.24	2.7074	10.504	12.01	30.39	1.2075	.56183	128.26	2.4540
#1	.00035	.08671	.01075	.0084	.0061	.13642	.02410	.00000	145.19
#2	-.00213	.08345	.00926	.0100	.0039	.13411	.02391	.00010	140.24
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Cd2288	Co2286	Cr2677	Cu3247	Fe2599	K_7664	K_7664-2	Li6707	Mg2790
Line	228.802 {447}	228.616 {447}	267.716 {126}	324.754 {104}	259.940 {130}	766.490 { 44}	766.490 { 44}2	670.784 { 50}	279.079 {121}2
IS Ref	(Y_2243)	(In2306)	(Y_3600)	(Y_3600)	(Y_3774)	(Y_3774)	(Y_3600)	(Y_3774)	(Y_3600)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00055**	**.00154**	**.00227**	**.00351**	**1.0560**	**4.0655**	**4.9246**	**.05019**	**113.95**
Stddev	.00011	.00012	.00024	.00034	.0052	.0661	.0080	.00151	.59
%RSD	20.673	7.8922	10.591	9.7382	.49482	1.6261	.16243	3.0036	.51593
#1	.00062	.00146	.00210	.00375	1.0597	4.1122	4.9189	.04912	114.37
#2	.00047	.00163	.00244	.00327	1.0523	4.0187	4.9302	.05125	113.54
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Mn2576	Mo2020	Na8183	Ni2316	Pb2203	S_1820	Sb2068	Se1960	Si2881
Line	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}2
IS Ref	(Y_3600)	(Y_2243)	(Y_3774)	(In2306)	(In2306)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3774)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.24052**	**.00835**	**67.767**	**.01473**	**.00074**	**127.44**	**.00158**	**-.00068**	**9.4263**
Stddev	.00082	.00002	.342	.00040	.00096	.27	.00135	.00301	.0236
%RSD	.34071	.20283	.50537	2.6868	129.76	.20949	85.173	446.19	.24999
#1	.24110	.00837	68.009	.01445	.00142	127.63	.00253	.00146	9.4430
#2	.23994	.00834	67.525	.01501	.00006	127.25	.00063	-.00281	9.4097
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Y_3600-2	Y_3710	Zn2062
Line	189.989 {477}	407.771 { 83}	334.904 {101}	190.856 {477}	292.402 {115}	360.073 { 94}2	371.030 { 91}	206.200 {163}
IS Ref	(In2306)	(Y_3774)	(Y_3600)	(In2306)	(Y_3600)	(none)	(none)	(Y_3600)
Units	ppm	ppm	ppm	ppm	ppm	Cts/S	Cts/S	ppm
Avg	**-.00008**	**.49233**	**.00198**	**.00060**	**.00043**	*****	*****	**.00652**
Stddev	.00021	.00074	.00004	.00030	.00053	-----	-----	.00020
%RSD	278.28	.14971	2.0903	49.709	124.13	-----	-----	3.1222
#1	-.00023	.49285	.00195	.00039	.00005	7348.	21420.	.00667
#2	.00007	.49181	.00201	.00081	.00080	7460.	21790.	.00638
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	None	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	**4309.0**	**7599.4**	**45892.**	**13873.**
Stddev	3.1	8.0	220.	189.
%RSD	.07239	.10505	.48023	1.3592
#1	4306.8	7593.8	45736.	13739.
#2	4311.2	7605.0	46048.	14006.

Sample Name: 480-18308-H-1-A Acquired: 4/12/2012 15:57:22 Type: Unk
Method: ICAP2 2012(v35) Mode: CONC Corr. Factor: 1.000000
User: LMH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	As1937	As1972	B_2089	Ba4554-2	Be3130	Ca3179
Line	328.068 {103}	308.215 {109}	189.042 {478}	193.759 {474}	197.262 {471}	208.959 {461}	455.403 { 74}2	313.042 {108}	317.933 {106}
IS Ref	(Y_3600)	(Y_3774)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3774)	(Y_3774)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00086**	**.06417**	**.00043**	**.0010**	**-.0030**	**.03560**	**.03641**	**.00005**	**44.893**
Stddev	.00107	.00175	.00095	.0000	.0021	.00059	.00007	.00004	.573
%RSD	125.11	2.7197	221.71	4.284	71.56	1.6672	.19380	76.558	1.2770
#1	-.00161	.06541	.00110	.0010	-.0045	.03518	.03646	.00002	44.488
#2	-.00010	.06294	-.00024	.0010	-.0015	.03602	.03636	.00008	45.298
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Cd2288	Co2286	Cr2677	Cu3247	Fe2599	K_7664	K_7664-2	Li6707	Mg2790
Line	228.802 {447}	228.616 {447}	267.716 {126}	324.754 {104}	259.940 {130}	766.490 { 44}	766.490 { 44}2	670.784 { 50}	279.079 {121}2
IS Ref	(Y_2243)	(In2306)	(Y_3600)	(Y_3600)	(Y_3774)	(Y_3774)	(Y_3600)	(Y_3774)	(Y_3600)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00013**	**.00019**	**-.00049**	**.00080**	**.02840**	**2.9904**	**2.7445**	**.00180**	**9.6536**
Stddev	.00022	.00003	.00021	.00015	.00037	.0036	.0009	.00129	.0170
%RSD	163.08	17.659	42.455	18.583	1.2925	.12159	.03277	71.601	.17665
#1	-.00002	.00021	-.00034	.00069	.02814	2.9878	2.7439	.00271	9.6415
#2	.00029	.00017	-.00063	.00090	.02866	2.9929	2.7451	.00089	9.6656
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Mn2576	Mo2020	Na5895	Ni2316	Pb2203	S_1820	Sb2068	Se1960	Si2881
Line	257.610 {131}	202.030 {467}	589.592 { 57}	231.604 {446}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}2
IS Ref	(Y_3600)	(Y_2243)	(Y_3774)	(In2306)	(In2306)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3774)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.01541**	**.00014**	**9.0274**	**.00047**	**.00120**	**26.506**	**.00102**	**-.00280**	**.93268**
Stddev	.00003	.00021	.0838	.00020	.00007	.136	.00000	.00040	.01645
%RSD	.18341	150.45	.92802	43.263	5.9652	.51248	.24780	14.291	1.7640
#1	.01543	-.00001	8.9682	.00062	.00126	26.410	.00102	-.00309	.92105
#2	.01539	.00029	9.0867	.00033	.00115	26.602	.00102	-.00252	.94432
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Y_3600-2	Y_3710	Zn2062
Line	189.989 {477}	407.771 { 83}	334.904 {101}	190.856 {477}	292.402 {115}	360.073 { 94}2	371.030 { 91}	206.200 {163}
IS Ref	(In2306)	(Y_3774)	(Y_3600)	(In2306)	(Y_3600)	(none)	(none)	(Y_3600)
Units	ppm	ppm	ppm	ppm	ppm	Cts/S	Cts/S	ppm
Avg	**-.00001**	**.12963**	**.00027**	**-.00003**	**.00054**	*****	*****	**.00377**
Stddev	.00010	.00155	.00003	.00001	.00065	-----	-----	.00037
%RSD	758.12	1.1930	12.235	27.397	120.30	-----	-----	9.7117
#1	.00006	.12854	.00030	-.00003	.00008	7587.	22070.	.00351
#2	-.00008	.13073	.00025	-.00004	.00099	7557.	22060.	.00403
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	None	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	**4638.5**	**7960.0**	**48078.**	**14143.**
Stddev	22.9	31.4	15.	5.
%RSD	.49266	.39481	.03202	.03583
#1	4654.6	7982.3	48089.	14147.
#2	4622.3	7937.8	48067.	14140.

Sample Name: 480-18308-H-2-A Acquired: 4/12/2012 15:59:28 Type: Unk
Method: ICAP2 2012(v35) Mode: CONC Corr. Factor: 1.000000
User: LMH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	As1937	As1972	B_2089	Ba4554-2	Be3130	Ca3179
Line	328.068 {103}	308.215 {109}	189.042 {478}	193.759 {474}	197.262 {471}	208.959 {461}	455.403 { 74}2	313.042 {108}	317.933 {106}
IS Ref	(Y_3600)	(Y_3774)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3774)	(Y_3774)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00063**	**.31155**	**.00194**	**.0019**	**-.0055**	**.06056**	**.05049**	**.00018**	**20.384**
Stddev	.00044	.00231	.00070	.0003	.0012	.00097	.00006	.00001	.049
%RSD	69.990	.74117	36.215	16.21	22.18	1.5981	.12272	5.0707	.24074
#1	-.00094	.30991	.00144	.0016	-.0063	.05988	.05053	.00018	20.349
#2	-.00032	.31318	.00243	.0021	-.0046	.06125	.05044	.00017	20.418
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Cd2288	Co2286	Cr2677	Cu3247	Fe2599	K_7664	K_7664-2	Li6707	Mg2790
Line	228.802 {447}	228.616 {447}	267.716 {126}	324.754 {104}	259.940 {130}	766.490 { 44}	766.490 { 44}2	670.784 { 50}	279.079 {121}2
IS Ref	(Y_2243)	(In2306)	(Y_3600)	(Y_3600)	(Y_3774)	(Y_3774)	(Y_3600)	(Y_3774)	(Y_3600)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00030**	**.00312**	**-.00046**	**.00119**	**44.232**	**5.3600**	**4.9297**	**.00093**	**16.606**
Stddev	.00013	.00014	.00002	.00037	.011	.0202	.0276	.00066	.012
%RSD	43.544	4.3326	4.1983	30.784	.02556	.37714	.55990	71.615	.07243
#1	.00021	.00303	-.00044	.00145	44.240	5.3743	4.9102	.00140	16.597
#2	.00039	.00322	-.00047	.00093	44.224	5.3457	4.9492	.00046	16.614
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Mn2576	Mo2020	Na5895	Ni2316	Pb2203	S_1820	Sb2068	Se1960	Si2881
Line	257.610 {131}	202.030 {467}	589.592 { 57}	231.604 {446}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}2
IS Ref	(Y_3600)	(Y_2243)	(Y_3774)	(In2306)	(In2306)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3774)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.58083**	**-.00005**	**10.313**	**.00459**	**.00079**	**47.984**	**.00411**	**-.00090**	**1.8963**
Stddev	.00063	.00012	.005	.00045	.00167	.325	.00074	.00074	.0040
%RSD	.10868	222.90	.04530	9.7550	210.69	.67833	17.950	82.695	.21031
#1	.58127	.00003	10.309	.00428	.00197	47.754	.00359	-.00037	1.8935
#2	.58038	-.00014	10.316	.00491	-.00039	48.215	.00463	-.00142	1.8991
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Y_3600-2	Y_3710	Zn2062
Line	189.989 {477}	407.771 { 83}	334.904 {101}	190.856 {477}	292.402 {115}	360.073 { 94}2	371.030 { 91}	206.200 {163}
IS Ref	(In2306)	(Y_3774)	(Y_3600)	(In2306)	(Y_3600)	(none)	(none)	(Y_3600)
Units	ppm	ppm	ppm	ppm	ppm	Cts/S	Cts/S	ppm
Avg	**.00029**	**.09178**	**.00110**	**-.00141**	**.00163**	*****	*****	**.00357**
Stddev	.00047	.00010	.00024	.00087	.00118	-----	-----	.00003
%RSD	162.31	.10986	21.644	61.356	72.511	-----	-----	.92371
#1	.00062	.09170	.00093	-.00203	.00080	7686.	22480.	.00355
#2	-.00004	.09185	.00127	-.00080	.00247	7610.	22220.	.00359
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	None	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	**4637.2**	**8004.9**	**48315.**	**14319.**
Stddev	12.1	37.5	9.	78.
%RSD	.26148	.46800	.01851	.54256
#1	4645.8	8031.4	48309.	14374.
#2	4628.7	7978.4	48322.	14264.

Sample Name: CCV Acquired: 4/12/2012 16:01:39 Type: QC
Method: ICAP2 2012(v35) Mode: CONC Corr. Factor: 1.000000
User: LMH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	As1937	As1972	B_2089	Ba4554-2	Be3130	Ca3179	Cd2288	Co2286	Cr2677	Cu3247
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.46884**	**25.478**	**.49390**	**.4970**	**.4952**	**.49415**	**.48062**	**.49545**	**25.042**	**.49930**	**.49076**	**.47662**	**.46982**
Stddev	.06186	.124	.00035	.0013	.0026	.00088	.06087	.00250	.119	.00113	.00043	.05958	.05902
%RSD	13.195	.48483	.07050	.2594	.5304	.17843	12.664	.50492	.47618	.22600	.08776	12.500	12.562
#1	.42510	25.565	.49365	.4960	.4933	.49477	.43758	.49722	25.127	.49850	.49045	.43449	.42808
#2	.51259	25.391	.49415	.4979	.4970	.49352	.52366	.49368	24.958	.50009	.49106	.51875	.51155
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	Fe2599	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	ppm
Avg	**25.210**	**25.364**	**24.365**	**.50747**	**23.501**	**.48286**	**.51349**	**25.282**	**.49754**	**.49587**	**24.912**	**.51121**	**.49933**
Stddev	.108	.036	2.808	.00493	2.935	.06037	.00064	.110	.00039	.00083	.045	.00167	.00223
%RSD	.42976	.14158	11.522	.97192	12.489	12.503	.12502	.43602	.07824	.16677	.18005	.32636	.44756
#1	25.286	25.390	22.380	.51095	21.425	.44017	.51395	25.360	.49727	.49645	24.881	.51239	.49775
#2	25.133	25.339	26.351	.50398	25.576	.52555	.51304	25.204	.49782	.49528	24.944	.51003	.50091
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	Si2881	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Y_3600-2	Y_3710	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm	Cts/S	Cts/S	ppm
Avg	**24.519**	**.52322**	**.50177**	**.47367**	**.51261**	**.47492**	z *****	z *****	**.48664**
Stddev	.077	.00094	.00280	.06048	.00134	.06051	-----	-----	.06151
%RSD	.31549	.17889	.55815	12.769	.26044	12.742	-----	-----	12.640
#1	24.574	.52256	.50375	.43090	.51355	.43213	z 7469.	z 21800.	.44315
#2	24.465	.52388	.49979	.51643	.51167	.51771	z 7478.	z 21760.	.53014
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	None	Chk Pass
Value									
Range									

Int. Std.	In2306	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**4493.3**	**7863.2**	**49744.**	**13946.**
Stddev	.3	2.6	4748.	27.
%RSD	.00760	.03346	9.5442	.19390
#1	4493.0	7861.3	53101.	13965.
#2	4493.5	7865.1	46387.	13926.

Sample Name: CCB Acquired: 4/12/2012 16:03:38 Type: QC
Method: ICAP2 2012(v35) Mode: CONC Corr. Factor: 1.000000
User: LMH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	As1937	As1972	B_2089	Ba4554-2	Be3130	Ca3179	Cd2288	Co2286	Cr2677	Cu3247
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00083**	**.02119**	**.00067**	**.0011**	**-.0065**	**.00119**	**.00025**	**.00031**	**.02465**	**.00003**	**.00017**	**-.00009**	**.00028**
Stddev	.00011	.01372	.00249	.0005	.0010	.00002	.00001	.00005	.00181	.00003	.00002	.00003	.00074
%RSD	13.389	64.752	371.39	50.30	15.31	1.8737	2.7198	14.763	7.3619	80.280	14.196	33.853	263.64
#1	-.00075	.03090	.00243	.0014	-.0058	.00117	.00024	.00028	.02593	.00005	.00015	-.00007	-.00024
#2	-.00091	.01149	-.00109	.0007	-.0072	.00120	.00025	.00035	.02337	.00001	.00019	-.00011	.00081
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	Fe2599	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	ppm
Avg	**.01826**	**.05043**	**.01021**	**-.00027**	**.02049**	**.00036**	**.00022**	**.02848**	**.00054**	**.00050**	**.02461**	**.00039**	**.00229**
Stddev	.00085	.02854	.00097	.00020	.00058	.00000	.00004	.00714	.00001	.00068	.00274	.00190	.00044
%RSD	4.6801	56.586	9.5064	76.149	2.8131	.42971	20.623	25.061	1.6968	136.14	11.142	489.18	19.205
#1	.01765	.03025	.01089	-.00041	.02090	.00036	.00025	.03353	.00054	.00002	.02655	-.00095	.00260
#2	.01886	.07061	.00952	-.00012	.02008	.00036	.00018	.02343	.00053	.00098	.02267	.00173	.00198
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	Si2881	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Y_3600-2	Y_3710	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm	Cts/S	Cts/S	ppm
Avg	**.02844**	**.00071**	**.00037**	**.00053**	**.00153**	**.00029**	z *****	z *****	**.00085**
Stddev	.01191	.00065	.00001	.00034	.00102	.00067	-----	-----	.00023
%RSD	41.871	91.956	2.3089	64.519	66.485	234.99	-----	-----	26.906
#1	.02002	.00117	.00036	.00077	.00081	.00076	z 7633.	z 22190.	.00101
#2	.03686	.00025	.00038	.00029	.00225	-.00019	z 7585.	z 22030.	.00069
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	None	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	**4723.5**	**8052.7**	**49279.**	**14147.**
Stddev	2.7	5.8	321.	59.
%RSD	.05804	.07209	.65131	.41534
#1	4721.5	8048.6	49506.	14188.
#2	4725.4	8056.9	49052.	14105.

Sample Name: 480-18308-H-3-A Acquired: 4/12/2012 16:05:48 Type: Unk
Method: ICAP2 2012(v35) Mode: CONC Corr. Factor: 1.000000
User: LMH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	As1937	As1972	B_2089	Ba4554-2	Be3130	Ca3179
Line	328.068 {103}	308.215 {109}	189.042 {478}	193.759 {474}	197.262 {471}	208.959 {461}	455.403 { 74}2	313.042 {108}	317.933 {106}
IS Ref	(Y_3600)	(Y_3774)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3774)	(Y_3774)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00250**	**.12576**	**.00048**	**.0029**	**-.0028**	**.60799**	**.07098**	**.00019**	**15.025**
Stddev	.00046	.04648	.00219	.0018	.0002	.00519	.00002	.00004	.101
%RSD	18.582	36.961	456.84	62.51	7.532	.85298	.02550	19.260	.67243
#1	-.00217	.15863	-.00107	.0042	-.0030	.60432	.07099	.00017	15.097
#2	-.00283	.09289	.00203	.0016	-.0027	.61166	.07096	.00022	14.954
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Cd2288	Co2286	Cr2677	Cu3247	Fe2599	K_7664	K_7664-2	Li6707	Mg2790
Line	228.802 {447}	228.616 {447}	267.716 {126}	324.754 {104}	259.940 {130}	766.490 { 44}	766.490 { 44}2	670.784 { 50}	279.079 {121}2
IS Ref	(Y_2243)	(In2306)	(Y_3600)	(Y_3600)	(Y_3774)	(Y_3774)	(Y_3600)	(Y_3774)	(Y_3600)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00029**	**.00113**	**-.00002**	**.00122**	**6.0737**	**33.892**	**31.106**	**.00115**	**14.227**
Stddev	.00015	.00017	.00015	.00023	.0661	.272	.094	.00218	.043
%RSD	52.056	15.285	731.16	18.973	1.0879	.80351	.30270	189.82	.30386
#1	.00039	.00100	-.00013	.00138	6.1204	34.084	31.039	.00269	14.196
#2	.00018	.00125	.00009	.00106	6.0270	33.699	31.172	-.00039	14.258
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Mn2576	Mo2020	Na5895	Ni2316	Pb2203	S_1820	Sb2068	Se1960	Si2881
Line	257.610 {131}	202.030 {467}	589.592 { 57}	231.604 {446}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}2
IS Ref	(Y_3600)	(Y_2243)	(Y_3774)	(In2306)	(In2306)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3774)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.09458**	**-.00002**	**16.544**	**.00298**	**-.00025**	**27.644**	**.00072**	**-.00152**	**.98820**
Stddev	.00017	.00012	.126	.00029	.00104	.220	.00090	.00058	.01780
%RSD	.17699	587.59	.76047	9.6082	417.35	.79524	124.69	37.744	1.8011
#1	.09446	-.00010	16.633	.00319	-.00098	27.488	.00135	-.00193	1.0008
#2	.09470	.00006	16.455	.00278	.00049	27.799	.00008	-.00112	.97561
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Y_3600-2	Y_3710	Zn2062
Line	189.989 {477}	407.771 { 83}	334.904 {101}	190.856 {477}	292.402 {115}	360.073 { 94}2	371.030 { 91}	206.200 {163}
IS Ref	(In2306)	(Y_3774)	(Y_3600)	(In2306)	(Y_3600)	(none)	(none)	(Y_3600)
Units	ppm	ppm	ppm	ppm	ppm	Cts/S	Cts/S	ppm
Avg	**-.00003**	**.11720**	**.00007**	**.00015**	**.00077**	*****	*****	**.00094**
Stddev	.00072	.00099	.00007	.00025	.00007	-----	-----	.00017
%RSD	2152.9	.84514	105.30	167.61	9.3109	-----	-----	17.983
#1	-.00054	.11790	.00002	.00033	.00072	7528.	21950.	.00082
#2	.00047	.11650	.00012	-.00003	.00082	7610.	22150.	.00106
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	None	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	**4612.3**	**7969.0**	**47298.**	**14153.**
Stddev	23.4	47.3	112.	100.
%RSD	.50719	.59311	.23602	.70669
#1	4628.8	8002.4	47377.	14082.
#2	4595.7	7935.5	47219.	14224.

Sample Name: 480-18308-H-4-A Acquired: 4/12/2012 16:07:58 Type: Unk
Method: ICAP2 2012(v35) Mode: CONC Corr. Factor: 1.000000
User: LMH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	As1937	As1972	B_2089	Ba4554-2	Be3130	Ca3179
Line	328.068 {103}	308.215 {109}	189.042 {478}	193.759 {474}	197.262 {471}	208.959 {461}	455.403 { 74}2	313.042 {108}	317.933 {106}
IS Ref	(Y_3600)	(Y_3774)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3774)	(Y_3774)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00076**	**.29764**	**.00184**	**.0005**	**-.0010**	**.03649**	**.05204**	**.00030**	**15.078**
Stddev	.00012	.02862	.00166	.0000	.0015	.00015	.00016	.00005	.081
%RSD	15.740	9.6154	90.388	1.150	153.5	.40427	.30467	17.730	.53871
#1	-.00068	.31788	.00302	.0005	-.0020	.03660	.05215	.00026	15.020
#2	-.00085	.27741	.00066	.0005	.0001	.03639	.05193	.00034	15.135
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Cd2288	Co2286	Cr2677	Cu3247	Fe2599	K_7664	K_7664-2	Li6707	Mg2790
Line	228.802 {447}	228.616 {447}	267.716 {126}	324.754 {104}	259.940 {130}	766.490 { 44}	766.490 { 44}2	670.784 { 50}	279.079 {121}2
IS Ref	(Y_2243)	(In2306)	(Y_3600)	(Y_3600)	(Y_3774)	(Y_3774)	(Y_3600)	(Y_3774)	(Y_3600)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00043**	**.00596**	**-.00068**	**.00138**	**.02933**	**3.4303**	**2.8434**	**.00146**	**6.5994**
Stddev	.00014	.00009	.00018	.00011	.00047	.0064	.0013	.00147	.0359
%RSD	32.943	1.5181	26.814	8.3325	1.6055	.18534	.04437	100.63	.54344
#1	.00033	.00589	-.00081	.00146	.02900	3.4258	2.8425	.00042	6.6247
#2	.00053	.00602	-.00055	.00129	.02967	3.4348	2.8443	.00250	6.5740
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Mn2576	Mo2020	Na5895	Ni2316	Pb2203	S_1820	Sb2068	Se1960	Si2881
Line	257.610 {131}	202.030 {467}	589.592 { 57}	231.604 {446}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}2
IS Ref	(Y_3600)	(Y_2243)	(Y_3774)	(In2306)	(In2306)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3774)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.07904**	**-.00018**	**4.7185**	**.00323**	**.00021**	**15.488**	**.00194**	**-.00316**	**1.0781**
Stddev	.00041	.00034	.0571	.00027	.00072	.023	.00135	.00038	.0028
%RSD	.51463	186.17	1.2104	8.3310	353.06	.14606	69.568	11.981	.26210
#1	.07933	.00006	4.6781	.00342	.00072	15.504	.00289	-.00343	1.0761
#2	.07875	-.00042	4.7589	.00304	-.00031	15.472	.00098	-.00290	1.0801
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Y_3600-2	Y_3710	Zn2062
Line	189.989 {477}	407.771 { 83}	334.904 {101}	190.856 {477}	292.402 {115}	360.073 { 94}2	371.030 { 91}	206.200 {163}
IS Ref	(In2306)	(Y_3774)	(Y_3600)	(In2306)	(Y_3600)	(none)	(none)	(Y_3600)
Units	ppm	ppm	ppm	ppm	ppm	Cts/S	Cts/S	ppm
Avg	**.00020**	**.04475**	**.00041**	**.00066**	**.00068**	*****	*****	**.00546**
Stddev	.00018	.00043	.00065	.00028	.00032	-----	-----	.00015
%RSD	90.445	.96678	159.35	42.794	47.839	-----	-----	2.7584
#1	.00007	.04445	-.00005	.00087	.00045	7553.	22010.	.00535
#2	.00033	.04506	.00087	.00046	.00090	7563.	22020.	.00556
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	None	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	**4694.6**	**8028.5**	**48818.**	**14125.**
Stddev	1.9	12.6	120.	17.
%RSD	.04121	.15724	.24594	.11991
#1	4693.2	8019.5	48733.	14113.
#2	4695.9	8037.4	48903.	14137.

Sample Name: 480-18308-H-5-A Acquired: 4/12/2012 16:10:04 Type: Unk
Method: ICAP2 2012(v35) Mode: CONC Corr. Factor: 1.000000
User: LMH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	As1937	As1972	B_2089	Ba4554-2	Be3130	Ca3179
Line	328.068 {103}	308.215 {109}	189.042 {478}	193.759 {474}	197.262 {471}	208.959 {461}	455.403 { 74}2	313.042 {108}	317.933 {106}
IS Ref	(Y_3600)	(Y_3774)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3774)	(Y_3774)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00114**	**.12012**	**.00556**	**.0037**	**.0007**	**.12071**	**.07657**	**.00015**	**18.538**
Stddev	.00033	.00177	.00061	.0000	.0005	.00139	.00008	.00006	.014
%RSD	28.759	1.4762	10.916	.2772	70.83	1.1500	.09921	36.886	.07336
#1	-.00137	.12138	.00599	.0037	.0004	.12169	.07652	.00011	18.529
#2	-.00091	.11887	.00513	.0037	.0011	.11973	.07662	.00019	18.548
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Cd2288	Co2286	Cr2677	Cu3247	Fe2599	K_7664	K_7664-2	Li6707	Mg2790
Line	228.802 {447}	228.616 {447}	267.716 {126}	324.754 {104}	259.940 {130}	766.490 { 44}	766.490 { 44}2	670.784 { 50}	279.079 {121}2
IS Ref	(Y_2243)	(In2306)	(Y_3600)	(Y_3600)	(Y_3774)	(Y_3774)	(Y_3600)	(Y_3774)	(Y_3600)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00047**	**.00314**	**-.00005**	**.00051**	**11.011**	**9.5843**	**8.5630**	**.00058**	**9.6837**
Stddev	.00002	.00011	.00017	.00023	.025	.0171	.0793	.00086	.0179
%RSD	3.6125	3.4196	323.02	45.466	.22598	.17810	.92603	149.11	.18525
#1	.00046	.00321	.00007	.00068	10.994	9.5722	8.6191	.00118	9.6710
#2	.00048	.00306	-.00017	.00035	11.029	9.5963	8.5070	-.00003	9.6963
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Mn2576	Mo2020	Na5895	Ni2316	Pb2203	S_1820	Sb2068	Se1960	Si2881
Line	257.610 {131}	202.030 {467}	589.592 { 57}	231.604 {446}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}2
IS Ref	(Y_3600)	(Y_2243)	(Y_3774)	(In2306)	(In2306)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3774)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.11719**	**.00018**	**11.452**	**.00526**	**.00089**	**17.840**	**.00132**	**.00085**	**2.4960**
Stddev	.00023	.00028	.036	.00005	.00095	.162	.00061	.00146	.0108
%RSD	.19695	154.75	.31498	1.0362	106.37	.90958	46.424	172.12	.43386
#1	.11703	-.00002	11.427	.00530	.00156	17.955	.00175	-.00018	2.4884
#2	.11736	.00038	11.478	.00522	.00022	17.725	.00089	.00188	2.5037
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Y_3600-2	Y_3710	Zn2062
Line	189.989 {477}	407.771 { 83}	334.904 {101}	190.856 {477}	292.402 {115}	360.073 { 94}2	371.030 { 91}	206.200 {163}
IS Ref	(In2306)	(Y_3774)	(Y_3600)	(In2306)	(Y_3600)	(none)	(none)	(Y_3600)
Units	ppm	ppm	ppm	ppm	ppm	Cts/S	Cts/S	ppm
Avg	**-.00028**	**.08348**	**.00022**	**.00073**	**.00073**	*****	*****	**.00229**
Stddev	.00028	.00029	.00055	.00005	.00032	-----	-----	.00001
%RSD	100.09	.34426	247.96	6.3643	44.166	-----	-----	.55677
#1	-.00048	.08327	-.00017	.00076	.00096	7556.	22020.	.00228
#2	-.00008	.08368	.00061	.00070	.00050	7606.	22160.	.00230
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	None	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	**4653.2**	**8004.7**	**48280.**	**14172.**
Stddev	29.4	53.2	144.	9.
%RSD	.63151	.66469	.29891	.06661
#1	4632.4	7967.0	48382.	14165.
#2	4674.0	8042.3	48178.	14179.

Sample Name: 480-18308-H-6-A Acquired: 4/12/2012 16:12:20 Type: Unk
Method: ICAP2 2012(v35) Mode: CONC Corr. Factor: 1.000000
User: LMH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	As1937	As1972	B_2089	Ba4554-2	Be3130	Ca3179
Line	328.068 {103}	308.215 {109}	189.042 {478}	193.759 {474}	197.262 {471}	208.959 {461}	455.403 { 74}2	313.042 {108}	317.933 {106}
IS Ref	(Y_3600)	(Y_3774)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3774)	(Y_3774)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00102**	**.10392**	**.00410**	**.0013**	**-.0021**	**.52482**	**.22366**	**.00016**	**19.301**
Stddev	.00029	.00765	.00027	.0015	.0029	.00328	.00051	.00010	.089
%RSD	28.105	7.3646	6.6495	122.4	139.0	.62455	.22590	61.834	.45964
#1	-.00122	.09851	.00429	.0023	-.0041	.52250	.22402	.00023	19.363
#2	-.00082	.10934	.00391	.0002	.0000	.52714	.22331	.00009	19.238
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Cd2288	Co2286	Cr2677	Cu3247	Fe2599	K_7664	K_7664-2	Li6707	Mg2790
Line	228.802 {447}	228.616 {447}	267.716 {126}	324.754 {104}	259.940 {130}	766.490 { 44}	766.490 { 44}2	670.784 { 50}	279.079 {121}2
IS Ref	(Y_2243)	(In2306)	(Y_3600)	(Y_3600)	(Y_3774)	(Y_3774)	(Y_3600)	(Y_3774)	(Y_3600)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00014**	**.00067**	**-.00050**	**.00279**	**18.909**	**34.881**	**33.369**	**.00063**	**15.752**
Stddev	.00005	.00001	.00032	.00062	.088	.131	.073	.00010	.053
%RSD	33.599	1.9337	64.305	22.369	.46347	.37448	.21853	16.006	.33422
#1	.00011	.00066	-.00027	.00323	18.971	34.973	33.318	.00070	15.789
#2	.00018	.00068	-.00073	.00235	18.847	34.789	33.421	.00056	15.714
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Mn2576	Mo2020	Na5895	Ni2316	Pb2203	S_1820	Sb2068	Se1960	Si2881
Line	257.610 {131}	202.030 {467}	589.592 { 57}	231.604 {446}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}2
IS Ref	(Y_3600)	(Y_2243)	(Y_3774)	(In2306)	(In2306)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3774)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.02751**	**.00010**	**32.114**	**.00287**	**.00096**	**8.6159**	**.00252**	**-.00132**	**2.5171**
Stddev	.00036	.00008	.145	.00005	.00047	.0577	.00043	.00056	.0199
%RSD	1.2916	87.678	.45081	1.7969	49.232	.66981	17.160	42.685	.79262
#1	.02776	.00016	32.216	.00283	.00129	8.5751	.00282	-.00172	2.5312
#2	.02725	.00004	32.012	.00291	.00062	8.6567	.00221	-.00092	2.5030
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Y_3600-2	Y_3710	Zn2062
Line	189.989 {477}	407.771 { 83}	334.904 {101}	190.856 {477}	292.402 {115}	360.073 { 94}2	371.030 { 91}	206.200 {163}
IS Ref	(In2306)	(Y_3774)	(Y_3600)	(In2306)	(Y_3600)	(none)	(none)	(Y_3600)
Units	ppm	ppm	ppm	ppm	ppm	Cts/S	Cts/S	ppm
Avg	**.00030**	**.15228**	**.00064**	**.00022**	**.00061**	*****	*****	**.00635**
Stddev	.00003	.00052	.00009	.00017	.00077	-----	-----	.00042
%RSD	10.615	.34170	13.583	77.192	126.83	-----	-----	6.5780
#1	.00027	.15264	.00070	.00033	.00006	7592.	22240.	.00664
#2	.00032	.15191	.00058	.00010	.00116	7626.	22310.	.00605
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	None	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	**4564.5**	**7900.6**	**47546.**	**14344.**
Stddev	32.8	63.7	7.	65.
%RSD	.71930	.80600	.01563	.45038
#1	4587.7	7945.6	47541.	14299.
#2	4541.3	7855.5	47551.	14390.

Sample Name: 480-18307-A-1-A Acquired: 4/12/2012 16:14:34 Type: Unk
Method: ICAP2 2012(v35) Mode: CONC Corr. Factor: 1.000000
User: LMH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	As1937	As1972	B_2089	Ba4554	Be3130	Ca3179
Line	328.068 {103}	308.215 {109}	189.042 {478}	193.759 {474}	197.262 {471}	208.959 {461}	455.403 { 74}	313.042 {108}	317.933 {106}
IS Ref	(Y_3600)	(Y_3774)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3774)	(Y_3774)	(Y_3774)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F **-.00454**	**.25459**	**.01884**	**.0170**	**.0058**	**1.2216**	F **21.944**	**-.00023**	*****
Stddev	.00119	.00413	.00352	.0042	.0001	.0027	.064	.00006	-----
%RSD	26.140	1.6221	18.679	25.00	2.549	.22397	.29389	27.544	-----
#1	-.00370	.25751	.01635	.0140	.0057	1.2236	21.898	-.00019	-----
#2	-.00538	.25167	.02133	.0200	.0059	1.2197	21.989	-.00028	-----
Check ?	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass
High Limit	2.0000						10.000		
Low Limit	-.00300						-.00200		

Elem	Cd2288	Co2286	Cr2677	Cu3247	Fe2599	K_7664	K_7664-2	Li6707	Mg2790
Line	228.802 {447}	228.616 {447}	267.716 {126}	324.754 {104}	259.940 {130}	766.490 { 44}	766.490 { 44}2	670.784 { 50}	279.079 {121}2
IS Ref	(Y_2243)	(In2306)	(Y_3600)	(Y_3600)	(Y_3774)	(Y_3774)	(Y_3600)	(Y_3774)	(Y_3600)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00033**	**.00276**	**-.00011**	**.02365**	**27.932**	F **4183.4**	*****	**.66389**	**4.0654**
Stddev	.00014	.00064	.00138	.00038	.212	357.5	-----	.04629	.0436
%RSD	41.951	23.092	1207.7	1.6277	.76042	8.5448	-----	6.9732	1.0726
#1	.00023	.00322	-.00109	.02338	28.082	4436.2	-----	.69663	4.0345
#2	.00043	.00231	.00086	.02392	27.782	3930.6	-----	.63116	4.0962
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
High Limit						600.00			
Low Limit						-.50000			

Elem	Mn2576	Mo2020	Na8183	Ni2316	Pb2203	S_1820	Sb2068	Se1960	Si2881
Line	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}2
IS Ref	(Y_3600)	(Y_2243)	(Y_3774)	(In2306)	(In2306)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3774)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**2.3244**	**.01776**	F **11118.**	**.01037**	F **-.01818**	**17.617**	**.01215**	**-.00447**	**3.3422**
Stddev	.0214	.00006	43.	.00019	.00510	.049	.00209	.00312	.0092
%RSD	.92027	.31808	.38836	1.7986	28.027	.27704	17.238	69.885	.27675
#1	2.3092	.01780	11149.	.01024	-.01458	17.652	.01067	-.00668	3.3357
#2	2.3395	.01772	11088.	.01051	-.02179	17.583	.01363	-.00226	3.3488
Check ?	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Fail	None	Chk Pass	Chk Pass	Chk Pass
High Limit			5000.0		60.000				
Low Limit			-1.0000		-.00500				

Elem	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Y_3600-2	Y_3710	Zn2062
Line	189.989 {477}	407.771 { 83}	334.904 {101}	190.856 {477}	292.402 {115}	360.073 { 94}2	371.030 { 91}	206.200 {163}
IS Ref	(In2306)	(Y_3774)	(Y_3600)	(In2306)	(Y_3600)	(none)	(none)	(Y_3600)
Units	ppm	ppm	ppm	ppm	ppm	Cts/S	Cts/S	ppm
Avg	**.00182**	*****	**.13779**	**-.00468**	**.00183**	*****	*****	**.01842**
Stddev	.00069	-----	.00023	.00329	.00103	-----	-----	.00045
%RSD	37.872	-----	.16734	70.414	56.146	-----	-----	2.4490
#1	.00133	-----	.13795	-.00701	.00256	6007.	17740.	.01810
#2	.00231	-----	.13762	-.00235	.00111	6057.	18020.	.01874
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	None	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	**2214.1**	**4501.1**	**26975.**	**11266.**
Stddev	.1	9.2	258.	100.
%RSD	.00460	.20530	.95624	.88757
#1	2214.0	4494.6	27157.	11196.
#2	2214.1	4507.6	26792.	11337.

Sample Name: 480-18314-F-1-A Acquired: 4/12/2012 16:17:16 Type: Unk
Method: ICAP2 2012(v35) Mode: CONC Corr. Factor: 1.000000
User: LMH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	As1937	As1972	B_2089	Ba4554-2	Be3130	Ca3179
Line	328.068 {103}	308.215 {109}	189.042 {478}	193.759 {474}	197.262 {471}	208.959 {461}	455.403 { 74}2	313.042 {108}	317.933 {106}
IS Ref	(Y_3600)	(Y_3774)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3774)	(Y_3774)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00103**	**.30161**	**.01587**	**.0146**	**.0074**	**8.8897**	**.57345**	**.00007**	**127.47**
Stddev	.00010	.00992	.00069	.0004	.0029	.0639	.00823	.00004	1.15
%RSD	9.4229	3.2897	4.3539	2.633	39.55	.71836	1.4349	60.993	.90473
#1	-.00096	.29459	.01636	.0149	.0094	8.9348	.56764	.00004	128.29
#2	-.00110	.30862	.01538	.0144	.0053	8.8445	.57927	.00010	126.66
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Cd2288	Co2286	Cr2677	Cu3247	Fe2599	K_7664	K_7664-2	Li6707	Mg2790
Line	228.802 {447}	228.616 {447}	267.716 {126}	324.754 {104}	259.940 {130}	766.490 { 44}	766.490 { 44}2	670.784 { 50}	279.079 {121}2
IS Ref	(Y_2243)	(In2306)	(Y_3600)	(Y_3600)	(Y_3774)	(Y_3774)	(Y_3600)	(Y_3774)	(Y_3600)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00069**	**.01814**	**.03919**	**.00313**	**1.2039**	**271.17**	*****	**.70360**	**99.134**
Stddev	.00002	.00015	.00014	.00015	.0053	.72	-----	.00398	1.664
%RSD	2.4047	.82956	.35845	4.8904	.43966	.26416	-----	.56505	1.6780
#1	.00068	.01803	.03909	.00324	1.2076	271.68	-----	.70641	97.958
#2	.00071	.01824	.03929	.00303	1.2001	270.67	-----	.70079	100.31
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Mn2576	Mo2020	Na8183	Ni2316	Pb2203	S_1820	Sb2068	Se1960	Si2881
Line	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}2
IS Ref	(Y_3600)	(Y_2243)	(Y_3774)	(In2306)	(In2306)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3774)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.25211**	**.01554**	**898.20**	**.11436**	**-.00042**	**20.595**	**.00401**	**-.00053**	**13.788**
Stddev	.00455	.00031	4.66	.00030	.00062	.165	.00169	.00230	.019
%RSD	1.8058	1.9861	.51857	.26637	145.21	.80097	42.011	437.44	.13786
#1	.24889	.01576	901.49	.11458	.00001	20.712	.00282	.00110	13.801
#2	.25532	.01533	894.91	.11415	-.00086	20.478	.00521	-.00215	13.774
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Y_3600-2	Y_3710	Zn2062
Line	189.989 {477}	407.771 { 83}	334.904 {101}	190.856 {477}	292.402 {115}	360.073 { 94}2	371.030 { 91}	206.200 {163}
IS Ref	(In2306)	(Y_3774)	(Y_3600)	(In2306)	(Y_3600)	(none)	(none)	(Y_3600)
Units	ppm	ppm	ppm	ppm	ppm	Cts/S	Cts/S	ppm
Avg	**.00332**	**1.9027**	**.01002**	**.00000**	**.00612**	*****	*****	**.11760**
Stddev	.00015	.0159	.00066	.00073	.00111	-----	-----	.00220
%RSD	4.4541	.83522	6.5895	14919.	18.197	-----	-----	1.8681
#1	.00343	1.9140	.01049	.00052	.00691	7498.	21970.	.11604
#2	.00322	1.8915	.00955	-.00051	.00533	7594.	22150.	.11915
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	None	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	**3950.8**	**7270.5**	**42455.**	**14139.**
Stddev	12.9	43.7	682.	81.
%RSD	.32686	.60158	1.6057	.57273
#1	3941.7	7239.5	42937.	14082.
#2	3959.9	7301.4	41973.	14196.

Sample Name: MB 480-58757/11-B Acquired: 4/12/2012 16:19:31 Type: Unk
Method: ICAP2 2012(v35) Mode: CONC Corr. Factor: 1.000000
User: LMH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	As1937	As1972	B_2089	Ba4554-2	Be3130	Ca3179
Line	328.068 {103}	308.215 {109}	189.042 {478}	193.759 {474}	197.262 {471}	208.959 {461}	455.403 { 74}2	313.042 {108}	317.933 {106}
IS Ref	(Y_3600)	(Y_3774)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3774)	(Y_3774)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00095**	**.05412**	**.00024**	**.0010**	**-.0042**	**.01865**	F **.00269**	**-.00002**	F **1.5426**
Stddev	.00056	.01619	.00366	.0012	.0015	.00131	.00005	.00016	.0667
%RSD	59.003	29.921	1520.4	122.7	36.92	7.0454	1.7582	698.83	4.3251
#1	-.00056	.04267	-.00235	.0001	-.0031	.01958	.00266	.00009	1.5897
#2	-.00135	.06558	.00283	.0018	-.0053	.01772	.00273	-.00014	1.4954
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Fail
High Limit							.00200		.50000
Low Limit							-.00300		-.05000

Elem	Cd2288	Co2286	Cr2677	Cu3247	Fe2599	K_7664	K_7664-2	Li6707	Mg2790
Line	228.802 {447}	228.616 {447}	267.716 {126}	324.754 {104}	259.940 {130}	766.490 { 44}	766.490 { 44}2	670.784 { 50}	279.079 {121}2
IS Ref	(Y_2243)	(In2306)	(Y_3600)	(Y_3600)	(Y_3774)	(Y_3774)	(Y_3600)	(Y_3774)	(Y_3600)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00011**	**.00025**	**-.00062**	**-.00013**	**.01796**	F **1.7523**	F **.62592**	**.00214**	**.00833**
Stddev	.00001	.00001	.00032	.00060	.00181	.0744	.00326	.00173	.00105
%RSD	12.743	4.2865	51.291	464.06	10.105	4.2436	.52131	80.831	12.631
#1	-.00010	.00024	-.00039	.00030	.01924	1.8049	.62361	.00336	.00908
#2	-.00012	.00026	-.00084	-.00056	.01668	1.6997	.62822	.00091	.00759
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Fail	Chk Pass	Chk Pass
High Limit						.50000	.50000		
Low Limit						-.50000	-.50000		

Elem	Mn2576	Mo2020	Na5895	Ni2316	Pb2203	S_1820	Sb2068	Se1960	Si2881
Line	257.610 {131}	202.030 {467}	589.592 { 57}	231.604 {446}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}2
IS Ref	(Y_3600)	(Y_2243)	(Y_3774)	(In2306)	(In2306)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3774)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00214**	**.00023**	F **1.7811**	**.00053**	**.00038**	**.00929**	**-.00007**	**.00162**	**.08596**
Stddev	.00009	.00032	.0885	.00030	.00020	.00390	.00159	.00258	.00714
%RSD	4.2220	138.39	4.9660	56.327	52.634	41.984	2407.3	159.08	8.3018
#1	.00220	.00000	1.8436	.00073	.00024	.01204	.00106	-.00020	.09100
#2	.00208	.00046	1.7185	.00032	.00052	.00653	-.00119	.00345	.08091
Check ?	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
High Limit			1.0000						
Low Limit			-.50000						

Elem	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Y_3600-2	Y_3710	Zn2062
Line	189.989 {477}	407.771 { 83}	334.904 {101}	190.856 {477}	292.402 {115}	360.073 { 94}2	371.030 { 91}	206.200 {163}
IS Ref	(In2306)	(Y_3774)	(Y_3600)	(In2306)	(Y_3600)	(none)	(none)	(Y_3600)
Units	ppm	ppm	ppm	ppm	ppm	Cts/S	Cts/S	ppm
Avg	**.00002**	F **.01503**	**-.00023**	**-.00060**	**.00005**	F *****	*****	**.00054**
Stddev	.00009	.00079	.00031	.00073	.00053	-----	-----	.00016
%RSD	408.93	5.2573	136.20	121.04	1013.5	-----	-----	29.071
#1	.00009	.01558	-.00001	-.00111	-.00032	7691.	22420.	.00065
#2	-.00004	.01447	-.00045	-.00009	.00043	7789.	22730.	.00043
Check ?	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass
High Limit		.00500				12.00		
Low Limit		-.00500				8.000		

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	**4735.1**	**8075.8**	**49099.**	**14517.**
Stddev	11.3	16.0	262.	146.
%RSD	.23877	.19865	.53352	1.0034
#1	4727.1	8064.5	48914.	14414.
#2	4743.1	8087.2	49284.	14620.

Sample Name: LCS 480-58757/12-B Acquired: 4/12/2012 16:21:38 Type: Unk
Method: ICAP2 2012(v35) Mode: CONC Corr. Factor: 1.000000
User: LMH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	As1937	As1972	B_2089	Ba4554-2	Be3130	Ca3179
Line	328.068 {103}	308.215 {109}	189.042 {478}	193.759 {474}	197.262 {471}	208.959 {461}	455.403 { 74}2	313.042 {108}	317.933 {106}
IS Ref	(Y_3600)	(Y_3774)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3774)	(Y_3774)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.04983**	**10.051**	**.19833**	**.1991**	**.1951**	**.21260**	**.20631**	**.20510**	F **11.661**
Stddev	.00037	.000	.00089	.0003	.0005	.00084	.00018	.00017	.191
%RSD	.73316	.00167	.44987	.1450	.2750	.39544	.08483	.08459	1.6391
#1	.05008	10.051	.19770	.1993	.1947	.21319	.20643	.20498	11.796
#2	.04957	10.051	.19896	.1989	.1955	.21200	.20619	.20522	11.525
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail
High Limit									11.500
Low Limit									8.5000

Elem	Cd2288	Co2286	Cr2677	Cu3247	Fe2599	K_7664	K_7664-2	Li6707	Mg2790
Line	228.802 {447}	228.616 {447}	267.716 {126}	324.754 {104}	259.940 {130}	766.490 { 44}	766.490 { 44}2	670.784 { 50}	279.079 {121}2
IS Ref	(Y_2243)	(In2306)	(Y_3600)	(Y_3600)	(Y_3774)	(Y_3774)	(Y_3600)	(Y_3774)	(Y_3600)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.20023**	**.19974**	**.20346**	**.20363**	**9.7827**	**11.434**	**9.7151**	**.20507**	**9.9288**
Stddev	.00058	.00045	.00034	.00019	.0314	.122	.0696	.00029	.0164
%RSD	.28918	.22279	.16472	.09261	.32096	1.0655	.71624	.14362	.16467
#1	.20064	.20006	.20369	.20376	9.7605	11.520	9.7643	.20528	9.9172
#2	.19982	.19943	.20322	.20349	9.8049	11.348	9.6659	.20486	9.9403
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Mn2576	Mo2020	Na5895	Ni2316	Pb2203	S_1820	Sb2068	Se1960	Si2881
Line	257.610 {131}	202.030 {467}	589.592 { 57}	231.604 {446}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}2
IS Ref	(Y_3600)	(Y_2243)	(Y_3774)	(In2306)	(In2306)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3774)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.20644**	**.20757**	**11.397**	**.19821**	**.20043**	**.00531**	**.20146**	**.19629**	**9.9827**
Stddev	.00038	.00031	.159	.00009	.00039	.00086	.00106	.00073	.0196
%RSD	.18512	.14773	1.3932	.04428	.19291	16.188	.52613	.37007	.19655
#1	.20617	.20778	11.510	.19827	.20070	.00592	.20071	.19680	9.9688
#2	.20671	.20735	11.285	.19815	.20016	.00470	.20221	.19578	9.9966
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Y_3600-2	Y_3710	Zn2062
Line	189.989 {477}	407.771 { 83}	334.904 {101}	190.856 {477}	292.402 {115}	360.073 { 94}2	371.030 { 91}	206.200 {163}
IS Ref	(In2306)	(Y_3774)	(Y_3600)	(In2306)	(Y_3600)	(none)	(none)	(Y_3600)
Units	ppm	ppm	ppm	ppm	ppm	Cts/S	Cts/S	ppm
Avg	**.20104**	**.21902**	**.19990**	**.20470**	**.19999**	*****	*****	**.21811**
Stddev	.00046	.00221	.00023	.00124	.00209	-----	-----	.00134
%RSD	.22879	1.0113	.11544	.60785	1.0447	-----	-----	.61600
#1	.20136	.22059	.19974	.20558	.20147	7680.	22480.	.21716
#2	.20071	.21745	.20006	.20382	.19852	7714.	22540.	.21906
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	None	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	**4639.8**	**8011.4**	**48625.**	**14492.**
Stddev	7.0	18.2	32.	14.
%RSD	.15150	.22680	.06614	.09969
#1	4634.8	7998.6	48647.	14482.
#2	4644.8	8024.2	48602.	14503.

Sample Name: 480-18346-A-1-A Acquired: 4/12/2012 16:23:41 Type: Unk
Method: ICAP2 2012(v35) Mode: CONC Corr. Factor: 1.000000
User: LMH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	As1937	As1972	B_2089	Ba4554-2	Be3130	Ca3179
Line	328.068 {103}	308.215 {109}	189.042 {478}	193.759 {474}	197.262 {471}	208.959 {461}	455.403 { 74}2	313.042 {108}	317.933 {106}
IS Ref	(Y_3600)	(Y_3774)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3774)	(Y_3774)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00094**	**.05074**	**.00858**	**.0066**	**.0029**	**.08994**	**.09258**	**.00012**	**173.68**
Stddev	.00054	.00861	.00093	.0017	.0011	.00079	.00074	.00004	1.01
%RSD	56.879	16.962	10.849	25.03	39.11	.87372	.79807	34.663	.58238
#1	-.00132	.05683	.00924	.0055	.0021	.09049	.09206	.00015	172.97
#2	-.00056	.04466	.00793	.0078	.0038	.08938	.09310	.00009	174.40
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Cd2288	Co2286	Cr2677	Cu3247	Fe2599	K_7664	K_7664-2	Li6707	Mg2790
Line	228.802 {447}	228.616 {447}	267.716 {126}	324.754 {104}	259.940 {130}	766.490 { 44}	766.490 { 44}2	670.784 { 50}	279.079 {121}2
IS Ref	(Y_2243)	(In2306)	(Y_3600)	(Y_3600)	(Y_3774)	(Y_3774)	(Y_3600)	(Y_3774)	(Y_3600)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00051**	**.00641**	**-.00039**	**-.00011**	**10.156**	**2.5591**	**2.2070**	**.01160**	**47.791**
Stddev	.00027	.00009	.00055	.00059	.021	.0742	.0003	.00128	.281
%RSD	53.565	1.3450	138.72	554.61	.20334	2.9010	.01156	11.030	.58754
#1	.00032	.00647	-.00001	.00031	10.170	2.6116	2.2068	.01069	47.593
#2	.00070	.00635	-.00078	-.00052	10.141	2.5066	2.2072	.01250	47.990
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Mn2576	Mo2020	Na5895	Ni2316	Pb2203	S_1820	Sb2068	Se1960	Si2881
Line	257.610 {131}	202.030 {467}	589.592 { 57}	231.604 {446}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}2
IS Ref	(Y_3600)	(Y_2243)	(Y_3774)	(In2306)	(In2306)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3774)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.1331**	**.00124**	**14.379**	**.00522**	**-.00065**	**15.244**	**.00077**	**-.00068**	**13.254**
Stddev	.0089	.00008	.019	.00023	.00009	.053	.00150	.00125	.049
%RSD	.78539	6.1346	.12980	4.4784	13.868	.34659	195.26	182.29	.36700
#1	1.1268	.00119	14.392	.00539	-.00071	15.281	.00183	-.00156	13.220
#2	1.1394	.00130	14.366	.00506	-.00059	15.206	-.00029	.00020	13.289
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Y_3600-2	Y_3710	Zn2062
Line	189.989 {477}	407.771 { 83}	334.904 {101}	190.856 {477}	292.402 {115}	360.073 { 94}2	371.030 { 91}	206.200 {163}
IS Ref	(In2306)	(Y_3774)	(Y_3600)	(In2306)	(Y_3600)	(none)	(none)	(Y_3600)
Units	ppm	ppm	ppm	ppm	ppm	Cts/S	Cts/S	ppm
Avg	**-.00015**	**.18790**	**.00190**	**.00011**	**.00058**	*****	*****	**.02276**
Stddev	.00023	.00025	.00003	.00121	.00029	-----	-----	.00066
%RSD	154.99	.13256	1.4710	1131.7	49.184	-----	-----	2.8908
#1	-.00031	.18807	.00188	-.00075	.00079	7540.	22040.	.02230
#2	.00001	.18772	.00192	.00097	.00038	7575.	22160.	.02323
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	None	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	**4400.7**	**7687.9**	**46352.**	**14253.**
Stddev	12.5	22.1	248.	45.
%RSD	.28454	.28756	.53397	.31232
#1	4391.8	7672.3	46527.	14221.
#2	4409.5	7703.6	46177.	14284.

Sample Name: 480-18346-A-2-A Acquired: 4/12/2012 16:25:51 Type: Unk
Method: ICAP2 2012(v35) Mode: CONC Corr. Factor: 1.000000
User: LMH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	As1937	As1972	B_2089	Ba4554-2	Be3130	Ca3179
Line	328.068 {103}	308.215 {109}	189.042 {478}	193.759 {474}	197.262 {471}	208.959 {461}	455.403 { 74}2	313.042 {108}	317.933 {106}
IS Ref	(Y_3600)	(Y_3774)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3774)	(Y_3774)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00098**	**.06452**	**.00401**	**.0030**	**-.0001**	**.05730**	**.07067**	**.00005**	**140.29**
Stddev	.00131	.04438	.00017	.0001	.0017	.00001	.00007	.00005	1.75
%RSD	133.16	68.788	4.2874	3.317	1299.	.01172	.09787	116.86	1.2474
#1	-.00191	.03313	.00389	.0030	-.0013	.05730	.07062	.00008	141.53
#2	-.00006	.09590	.00414	.0031	.0010	.05729	.07072	.00001	139.06
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Cd2288	Co2286	Cr2677	Cu3247	Fe2599	K_7664	K_7664-2	Li6707	Mg2790
Line	228.802 {447}	228.616 {447}	267.716 {126}	324.754 {104}	259.940 {130}	766.490 { 44}	766.490 { 44}2	670.784 { 50}	279.079 {121}2
IS Ref	(Y_2243)	(In2306)	(Y_3600)	(Y_3600)	(Y_3774)	(Y_3774)	(Y_3600)	(Y_3774)	(Y_3600)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00020**	**.00028**	**-.00083**	**.00014**	**3.1206**	**2.9064**	**2.5930**	**.00698**	**38.807**
Stddev	.00005	.00003	.00008	.00064	.0044	.0211	.0002	.00055	.008
%RSD	25.588	11.913	9.5761	461.39	.14089	.72682	.00703	7.9350	.01941
#1	.00024	.00031	-.00089	-.00031	3.1237	2.9213	2.5929	.00737	38.813
#2	.00017	.00026	-.00078	.00059	3.1175	2.8914	2.5931	.00659	38.802
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Mn2576	Mo2020	Na5895	Ni2316	Pb2203	S_1820	Sb2068	Se1960	Si2881
Line	257.610 {131}	202.030 {467}	589.592 { 57}	231.604 {446}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}2
IS Ref	(Y_3600)	(Y_2243)	(Y_3774)	(In2306)	(In2306)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3774)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.21603**	**.00113**	**16.273**	**.00151**	**.00023**	**12.727**	**.00118**	**-.00246**	**7.5981**
Stddev	.00037	.00029	.073	.00098	.00022	.073	.00100	.00185	.0025
%RSD	.17031	25.409	.44714	64.683	96.095	.57108	84.991	74.957	.03317
#1	.21629	.00134	16.324	.00220	.00007	12.778	.00189	-.00116	7.5999
#2	.21577	.00093	16.222	.00082	.00038	12.676	.00047	-.00377	7.5964
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Y_3600-2	Y_3710	Zn2062
Line	189.989 {477}	407.771 { 83}	334.904 {101}	190.856 {477}	292.402 {115}	360.073 { 94}2	371.030 { 91}	206.200 {163}
IS Ref	(In2306)	(Y_3774)	(Y_3600)	(In2306)	(Y_3600)	(none)	(none)	(Y_3600)
Units	ppm	ppm	ppm	ppm	ppm	Cts/S	Cts/S	ppm
Avg	**-.00008**	**.18063**	**.00161**	**.00066**	**.00014**	*****	*****	**.03138**
Stddev	.00050	.00115	.00025	.00004	.00028	-----	-----	.00049
%RSD	604.58	.63633	15.278	6.3176	197.47	-----	-----	1.5674
#1	.00027	.18145	.00144	.00069	.00035	7553.	22120.	.03103
#2	-.00044	.17982	.00179	.00063	-.00006	7560.	22110.	.03173
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	None	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	**4445.3**	**7723.3**	**47027.**	**14247.**
Stddev	8.1	20.6	148.	42.
%RSD	.18306	.26731	.31567	.29343
#1	4439.5	7708.7	47132.	14217.
#2	4451.0	7737.9	46923.	14276.

Sample Name: CCV Acquired: 4/12/2012 16:28:03 Type: QC
Method: ICAP2 2012(v35) Mode: CONC Corr. Factor: 1.000000
User: LMH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	As1937	As1972	B_2089	Ba4554-2	Be3130	Ca3179	Cd2288	Co2286	Cr2677	Cu3247
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.49664**	**24.951**	**.49834**	**.4990**	**.4986**	**.49996**	**.50934**	**.48978**	**25.127**	**.49987**	**.48975**	**.50486**	**.49659**
Stddev	.00605	.051	.00280	.0012	.0020	.00108	.00696	.00038	.030	.00136	.00033	.00675	.00503
%RSD	1.2183	.20349	.56281	.2483	.3979	.21530	1.3657	.07823	.11751	.27217	.06647	1.3364	1.0137
#1	.49237	24.915	.49636	.4981	.4972	.49920	.50442	.49005	25.106	.49891	.48998	.50009	.49303
#2	.50092	24.987	.50033	.4999	.5000	.50072	.51426	.48951	25.148	.50083	.48952	.50963	.50015
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	Fe2599	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	ppm
Avg	**24.527**	**25.727**	**24.685**	**.50964**	**24.849**	**.51060**	**.51448**	**25.317**	**.49689**	**.49689**	**24.980**	**.51215**	**.50199**
Stddev	.012	.082	.276	.00225	.337	.00769	.00143	.052	.00044	.00048	.056	.00429	.00422
%RSD	.04692	.31843	1.1198	.44082	1.3552	1.5060	.27856	.20692	.08953	.09713	.22464	.83819	.84139
#1	24.536	25.669	24.489	.51123	24.611	.50517	.51347	25.280	.49657	.49723	24.940	.50912	.49900
#2	24.519	25.785	24.880	.50805	25.087	.51604	.51549	25.354	.49720	.49655	25.020	.51519	.50497
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	Si2881	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Y_3600-2	Y_3710	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm	Cts/S	Cts/S	ppm
Avg	**24.150**	**.52436**	**.50363**	**.50038**	**.51199**	**.50160**	z *****	z *****	**.51548**
Stddev	.011	.00002	.00055	.00555	.00076	.00657	-----	-----	.00658
%RSD	.04615	.00354	.10883	1.1090	.14815	1.3092	-----	-----	1.2755
#1	24.158	.52437	.50402	.49645	.51253	.49696	z 7586.	z 22240.	.51083
#2	24.142	.52434	.50324	.50430	.51145	.50625	z 7522.	z 22050.	.52013
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	None	Chk Pass
Value									
Range									

Int. Std.	In2306	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**4487.4**	**7840.4**	**47486.**	**14269.**
Stddev	2.3	13.4	490.	103.
%RSD	.05201	.17107	1.0315	.72056
#1	4489.0	7849.9	47832.	14342.
#2	4485.7	7831.0	47139.	14196.

Sample Name: CCB Acquired: 4/12/2012 16:30:03 Type: QC
Method: ICAP2 2012(v35) Mode: CONC Corr. Factor: 1.000000
User: LMH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	As1937	As1972	B_2089	Ba4554-2	Be3130	Ca3179	Cd2288	Co2286	Cr2677	Cu3247
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00133**	**.02256**	**-.00042**	**.0008**	**-.0041**	**.00387**	**.00065**	**.00018**	**.36868**	**.00008**	**.00007**	**-.00090**	**.00016**
Stddev	.00040	.00236	.00145	.0020	.0002	.00027	.00000	.00001	.00419	.00017	.00003	.00053	.00038
%RSD	30.325	10.452	344.39	249.4	3.717	7.0396	.31466	4.6628	1.1361	209.60	36.981	58.295	235.24
#1	-.00104	.02423	.00060	-.0006	-.0042	.00406	.00065	.00018	.37164	.00021	.00009	-.00053	.00043
#2	-.00161	.02089	-.00145	.0022	-.0040	.00367	.00065	.00017	.36571	-.00004	.00006	-.00127	-.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	Fe2599	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	ppm
Avg	**.00667**	**.47386**	**.10198**	**-.00010**	**.01062**	**.00023**	**.00010**	**.36451**	**.00040**	**.00095**	**.00448**	**-.00033**	**-.00308**
Stddev	.00101	.00664	.00299	.00116	.00207	.00002	.00029	.00072	.00035	.00158	.00204	.00304	.00283
%RSD	15.102	1.4006	2.9291	1133.3	19.522	10.513	295.19	.19790	87.659	166.89	45.501	908.92	91.747
#1	.00596	.46916	.10409	.00072	.00915	.00024	-.00011	.36400	.00015	.00207	.00592	-.00249	-.00108
#2	.00738	.47855	.09986	-.00092	.01208	.00021	.00030	.36502	.00065	-.00017	.00304	.00182	-.00508
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	Si2881	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Y_3600-2	Y_3710	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm	Cts/S	Cts/S	ppm
Avg	**.00015**	**.00054**	**.00380**	**.00032**	**.00124**	**.00027**	z *****	z *****	**.00008**
Stddev	.00008	.00045	.00012	.00026	.00011	.00001	-----	-----	.00026
%RSD	51.285	83.142	3.1698	82.051	8.7829	3.5615	-----	-----	343.03
#1	.00020	.00086	.00389	.00013	.00116	.00028	z 7637.	z 22320.	-.00011
#2	.00010	.00022	.00372	.00050	.00132	.00027	z 7640.	z 22200.	.00026
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	None	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	**4713.9**	**8047.1**	**48993.**	**14274.**
Stddev	13.1	1.5	139.	49.
%RSD	.27714	.01853	.28319	.34402
#1	4723.2	8048.2	49091.	14308.
#2	4704.7	8046.1	48895.	14239.

Sample Name: 480-18346-A-4-A Acquired: 4/12/2012 16:32:13 Type: Unk
Method: ICAP2 2012(v35) Mode: CONC Corr. Factor: 1.000000
User: LMH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	As1937	As1972	B_2089	Ba4554-2	Be3130	Ca3179
Line	328.068 {103}	308.215 {109}	189.042 {478}	193.759 {474}	197.262 {471}	208.959 {461}	455.403 { 74}2	313.042 {108}	317.933 {106}
IS Ref	(Y_3600)	(Y_3774)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3774)	(Y_3774)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00115**	**.06188**	**.00164**	**.0011**	**-.0013**	**.02631**	**.07704**	**.00010**	**81.712**
Stddev	.00191	.00462	.00262	.0000	.0011	.00176	.00009	.00003	.969
%RSD	166.36	7.4636	159.93	3.402	80.76	6.6799	.11949	29.968	1.1855
#1	-.00250	.06514	.00349	.0011	-.0006	.02756	.07710	.00012	81.027
#2	.00020	.05861	-.00021	.0011	-.0021	.02507	.07697	.00008	82.397
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Cd2288	Co2286	Cr2677	Cu3247	Fe2599	K_7664	K_7664-2	Li6707	Mg2790
Line	228.802 {447}	228.616 {447}	267.716 {126}	324.754 {104}	259.940 {130}	766.490 { 44}	766.490 { 44}2	670.784 { 50}	279.079 {121}2
IS Ref	(Y_2243)	(In2306)	(Y_3600)	(Y_3600)	(Y_3774)	(Y_3774)	(Y_3600)	(Y_3774)	(Y_3600)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00027**	**.00039**	**-.00044**	**.00047**	**.14851**	**2.7200**	**2.4463**	**.00832**	**28.769**
Stddev	.00008	.00012	.00051	.00013	.00130	.0032	.0029	.00030	.110
%RSD	29.318	30.149	116.09	27.032	.87277	.11799	.11773	3.6240	.38305
#1	.00022	.00031	-.00081	.00038	.14759	2.7177	2.4483	.00810	28.847
#2	.00033	.00047	-.00008	.00056	.14942	2.7223	2.4443	.00853	28.692
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Mn2576	Mo2020	Na5895	Ni2316	Pb2203	S_1820	Sb2068	Se1960	Si2881
Line	257.610 {131}	202.030 {467}	589.592 { 57}	231.604 {446}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}2
IS Ref	(Y_3600)	(Y_2243)	(Y_3774)	(In2306)	(In2306)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3774)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.14489**	**.00604**	**11.412**	**.00226**	**.00009**	**14.272**	**.00109**	**-.00065**	**6.1602**
Stddev	.00055	.00040	.135	.00047	.00074	.753	.00219	.00027	.0848
%RSD	.37787	6.6787	1.1789	20.590	806.15	5.2751	201.70	42.228	1.3771
#1	.14527	.00632	11.317	.00259	-.00043	14.804	.00264	-.00084	6.1002
#2	.14450	.00575	11.507	.00193	.00062	13.740	-.00046	-.00046	6.2202
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Y_3600-2	Y_3710	Zn2062
Line	189.989 {477}	407.771 { 83}	334.904 {101}	190.856 {477}	292.402 {115}	360.073 { 94}2	371.030 { 91}	206.200 {163}
IS Ref	(In2306)	(Y_3774)	(Y_3600)	(In2306)	(Y_3600)	(none)	(none)	(Y_3600)
Units	ppm	ppm	ppm	ppm	ppm	Cts/S	Cts/S	ppm
Avg	**.00017**	**.38027**	**.00125**	**.00012**	**.00016**	*****	*****	**.01806**
Stddev	.00009	.00469	.00011	.00209	.00094	-----	-----	.00023
%RSD	52.425	1.2345	8.6099	1677.1	583.92	-----	-----	1.2503
#1	.00011	.37695	.00117	.00160	-.00050	7566.	22110.	.01822
#2	.00023	.38359	.00132	-.00135	.00083	7538.	22000.	.01790
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	None	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	**4369.3**	**7562.3**	**46827.**	**14144.**
Stddev	193.0	326.0	250.	68.
%RSD	4.4170	4.3112	.53397	.47875
#1	4232.8	7331.8	46650.	14192.
#2	4505.7	7792.9	47004.	14096.

Sample Name: 480-18346-A-4-A SD@5 Acquired: 4/12/2012 16:34:18 Type: Unk
Method: ICAP2 2012(v35) Mode: CONC Corr. Factor: 1.000000
User: LMH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	As1937	As1972	B_2089	Ba4554-2	Be3130	Ca3179
Line	328.068 {103}	308.215 {109}	189.042 {478}	193.759 {474}	197.262 {471}	208.959 {461}	455.403 { 74}2	313.042 {108}	317.933 {106}
IS Ref	(Y_3600)	(Y_3774)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3774)	(Y_3774)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00147**	**.01673**	**.00298**	**.0004**	**-.0004**	**.00697**	**.01583**	**.00006**	**16.404**
Stddev	.00035	.00517	.00176	.0010	.0013	.00021	.00000	.00010	.126
%RSD	23.745	30.908	59.125	260.7	364.4	3.0070	.02826	156.14	.76940
#1	-.00122	.01307	.00422	.0011	-.0013	.00682	.01583	.00013	16.315
#2	-.00172	.02038	.00173	-.0003	.0006	.00712	.01583	-.00001	16.493
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Cd2288	Co2286	Cr2677	Cu3247	Fe2599	K_7664	K_7664-2	Li6707	Mg2790
Line	228.802 {447}	228.616 {447}	267.716 {126}	324.754 {104}	259.940 {130}	766.490 { 44}	766.490 { 44}2	670.784 { 50}	279.079 {121}2
IS Ref	(Y_2243)	(In2306)	(Y_3600)	(Y_3600)	(Y_3774)	(Y_3774)	(Y_3600)	(Y_3774)	(Y_3600)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00000**	**.00020**	**-.00039**	**-.00018**	**.03205**	**.76800**	**.41380**	**.00402**	**5.7630**
Stddev	.00020	.00005	.00005	.00014	.00020	.01568	.00123	.00146	.0107
%RSD	24343.	22.351	11.799	77.873	.63045	2.0419	.29828	36.317	.18636
#1	-.00014	.00024	-.00042	-.00008	.03219	.75691	.41467	.00506	5.7554
#2	.00014	.00017	-.00036	-.00027	.03191	.77909	.41293	.00299	5.7706
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Mn2576	Mo2020	Na5895	Ni2316	Pb2203	S_1820	Sb2068	Se1960	Si2881
Line	257.610 {131}	202.030 {467}	589.592 { 57}	231.604 {446}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}2
IS Ref	(Y_3600)	(Y_2243)	(Y_3774)	(In2306)	(In2306)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3774)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.02915**	**.00094**	**2.4553**	**.00074**	**-.00094**	**2.7025**	**.00111**	**-.00062**	**1.2295**
Stddev	.00000	.00011	.0071	.00043	.00025	.0014	.00056	.00112	.0148
%RSD	.00685	11.387	.28759	58.479	26.271	.05223	50.285	182.78	1.2041
#1	.02915	.00102	2.4504	.00105	-.00111	2.7015	.00151	.00018	1.2190
#2	.02916	.00087	2.4603	.00043	-.00076	2.7035	.00072	-.00141	1.2400
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Y_3600-2	Y_3710	Zn2062
Line	189.989 {477}	407.771 { 83}	334.904 {101}	190.856 {477}	292.402 {115}	360.073 { 94}2	371.030 { 91}	206.200 {163}
IS Ref	(In2306)	(Y_3774)	(Y_3600)	(In2306)	(Y_3600)	(none)	(none)	(Y_3600)
Units	ppm	ppm	ppm	ppm	ppm	Cts/S	Cts/S	ppm
Avg	**.00038**	**.07806**	**.00002**	**.00016**	**.00020**	*****	*****	**.00390**
Stddev	.00083	.00056	.00010	.00045	.00033	-----	-----	.00013
%RSD	218.53	.72050	533.73	287.56	163.74	-----	-----	3.4284
#1	-.00021	.07767	-.00005	-.00016	-.00003	7639.	22250.	.00400
#2	.00097	.07846	.00009	.00048	.00043	7592.	22150.	.00381
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	None	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	**4667.3**	**7984.2**	**48496.**	**14233.**
Stddev	12.3	15.7	7.	80.
%RSD	.26392	.19658	.01391	.55858
#1	4658.6	7973.1	48492.	14289.
#2	4676.0	7995.3	48501.	14177.

Sample Name: 480-18346-A-4-A PDS Acquired: 4/12/2012 16:36:22 Type: Unk
Method: ICAP2 2012(v35) Mode: CONC Corr. Factor: 1.000000
User: LMH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	As1937	As1972	B_2089	Ba4554-2	Be3130	Ca3179
Line	328.068 {103}	308.215 {109}	189.042 {478}	193.759 {474}	197.262 {471}	208.959 {461}	455.403 { 74}2	313.042 {108}	317.933 {106}
IS Ref	(Y_3600)	(Y_3774)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3774)	(Y_3774)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.07987**	**9.8157**	**.19926**	**.1963**	**.1950**	**.22435**	**.27266**	**.20076**	**87.775**
Stddev	.00017	.1514	.00101	.0006	.0020	.00009	.00051	.00255	.989
%RSD	.21097	1.5421	.50934	.2928	1.018	.04108	.18764	1.2694	1.1271
#1	.07975	9.7087	.19854	.1967	.1936	.22428	.27230	.19895	87.076
#2	.07999	9.9227	.19998	.1959	.1964	.22441	.27302	.20256	88.475
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Cd2288	Co2286	Cr2677	Cu3247	Fe2599	K_7664	K_7664-2	Li6707	Mg2790
Line	228.802 {447}	228.616 {447}	267.716 {126}	324.754 {104}	259.940 {130}	766.490 { 44}	766.490 { 44}2	670.784 { 50}	279.079 {121}2
IS Ref	(Y_2243)	(In2306)	(Y_3600)	(Y_3600)	(Y_3774)	(Y_3774)	(Y_3600)	(Y_3774)	(Y_3600)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.19633**	**.19313**	**.19808**	**.19696**	**9.4967**	**12.349**	**12.640**	**.20800**	**37.223**
Stddev	.00047	.00023	.00087	.00001	.0938	.088	.083	.00198	.208
%RSD	.23763	.11703	.43724	.00416	.98780	.71583	.65347	.95285	.55833
#1	.19600	.19297	.19747	.19696	9.4304	12.286	12.582	.20660	37.076
#2	.19666	.19329	.19869	.19695	9.5630	12.411	12.699	.20940	37.370
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Mn2576	Mo2020	Na5895	Ni2316	Pb2203	S_1820	Sb2068	Se1960	Si2881
Line	257.610 {131}	202.030 {467}	589.592 { 57}	231.604 {446}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}2
IS Ref	(Y_3600)	(Y_2243)	(Y_3774)	(In2306)	(In2306)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3774)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.33589**	**.20842**	**20.518**	**.19156**	**.19768**	**13.373**	**.19774**	**.19168**	**15.669**
Stddev	.00150	.00014	.204	.00060	.00178	.017	.00127	.00168	.187
%RSD	.44766	.06564	.99416	.31222	.89983	.12862	.64223	.87907	1.1965
#1	.33482	.20852	20.374	.19113	.19642	13.361	.19863	.19287	15.537
#2	.33695	.20832	20.662	.19198	.19894	13.385	.19684	.19049	15.802
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Y_3600-2	Y_3710	Zn2062
Line	189.989 {477}	407.771 { 83}	334.904 {101}	190.856 {477}	292.402 {115}	360.073 { 94}2	371.030 { 91}	206.200 {163}
IS Ref	(In2306)	(Y_3774)	(Y_3600)	(In2306)	(Y_3600)	(none)	(none)	(Y_3600)
Units	ppm	ppm	ppm	ppm	ppm	Cts/S	Cts/S	ppm
Avg	**.20044**	**.55771**	**.19685**	**.20381**	**.19636**	*****	*****	**.22735**
Stddev	.00001	.00506	.00019	.00056	.00058	-----	-----	.00136
%RSD	.00589	.90760	.09846	.27679	.29639	-----	-----	.59831
#1	.20043	.55413	.19698	.20421	.19677	7650.	22360.	.22639
#2	.20045	.56129	.19671	.20341	.19595	7624.	22300.	.22831
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	None	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	**4474.0**	**7846.8**	**47362.**	**14421.**
Stddev	13.8	24.8	386.	36.
%RSD	.30752	.31627	.81401	.24633
#1	4483.7	7864.4	47634.	14446.
#2	4464.3	7829.3	47089.	14396.

Sample Name: 480-18346-A-4-B MS Acquired: 4/12/2012 16:38:23 Type: Unk
Method: ICAP2 2012(v35) Mode: CONC Corr. Factor: 1.000000
User: LMH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	As1937	As1972	B_2089	Ba4554-2	Be3130	Ca3179
Line	328.068 {103}	308.215 {109}	189.042 {478}	193.759 {474}	197.262 {471}	208.959 {461}	455.403 { 74}2	313.042 {108}	317.933 {106}
IS Ref	(Y_3600)	(Y_3774)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3774)	(Y_3774)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.05229**	**10.297**	**.20955**	**.2093**	**.2042**	**.23155**	**.28289**	**.21240**	**90.980**
Stddev	.00124	.020	.00316	.0004	.0025	.00206	.00176	.00029	.017
%RSD	2.3792	.18973	1.5065	.1857	1.216	.89041	.62072	.13575	.01866
#1	.05141	10.284	.21178	.2096	.2059	.23301	.28164	.21220	90.992
#2	.05317	10.311	.20732	.2090	.2024	.23009	.28413	.21261	90.968
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Cd2288	Co2286	Cr2677	Cu3247	Fe2599	K_7664	K_7664-2	Li6707	Mg2790
Line	228.802 {447}	228.616 {447}	267.716 {126}	324.754 {104}	259.940 {130}	766.490 { 44}	766.490 { 44}2	670.784 { 50}	279.079 {121}2
IS Ref	(Y_2243)	(In2306)	(Y_3600)	(Y_3600)	(Y_3774)	(Y_3774)	(Y_3600)	(Y_3774)	(Y_3600)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.20702**	**.20327**	**.20711**	**.20671**	**10.047**	**12.912**	**13.048**	**.21834**	**38.461**
Stddev	.00127	.00093	.00031	.00221	.026	.031	.068	.00129	.287
%RSD	.61232	.45553	.15023	1.0712	.26339	.23945	.51893	.58990	.74606
#1	.20791	.20393	.20689	.20515	10.065	12.890	13.000	.21743	38.258
#2	.20612	.20262	.20733	.20828	10.028	12.933	13.096	.21925	38.663
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Mn2576	Mo2020	Na5895	Ni2316	Pb2203	S_1820	Sb2068	Se1960	Si2881
Line	257.610 {131}	202.030 {467}	589.592 { 57}	231.604 {446}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}2
IS Ref	(Y_3600)	(Y_2243)	(Y_3774)	(In2306)	(In2306)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3774)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.35063**	**.21874**	**21.370**	**.20288**	**.20808**	**13.772**	**.21060**	**.20082**	**16.166**
Stddev	.00213	.00071	.006	.00051	.00221	.064	.00102	.00357	.059
%RSD	.60860	.32600	.02934	.24959	1.0629	.46196	.48197	1.7789	.36579
#1	.34912	.21924	21.366	.20324	.20964	13.817	.21132	.20335	16.208
#2	.35214	.21823	21.375	.20253	.20651	13.727	.20988	.19829	16.124
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Y_3600-2	Y_3710	Zn2062
Line	189.989 {477}	407.771 { 83}	334.904 {101}	190.856 {477}	292.402 {115}	360.073 { 94}2	371.030 { 91}	206.200 {163}
IS Ref	(In2306)	(Y_3774)	(Y_3600)	(In2306)	(Y_3600)	(none)	(none)	(Y_3600)
Units	ppm	ppm	ppm	ppm	ppm	Cts/S	Cts/S	ppm
Avg	**.20822**	**.58011**	**.20693**	**.21302**	**.20679**	*****	*****	**.23844**
Stddev	.00118	.00047	.00149	.00257	.00184	-----	-----	.00037
%RSD	.56742	.08149	.71778	1.2067	.89192	-----	-----	.15689
#1	.20905	.58045	.20588	.21484	.20549	7583.	22230.	.23817
#2	.20738	.57978	.20798	.21120	.20809	7622.	22370.	.23870
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	None	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	**4466.5**	**7846.9**	**47360.**	**14369.**
Stddev	14.7	30.6	353.	68.
%RSD	.32803	.38984	.74618	.47334
#1	4456.1	7825.3	47610.	14321.
#2	4476.9	7868.6	47110.	14418.

Sample Name: 480-18346-A-4-C MSD Acquired: 4/12/2012 16:40:25 Type: Unk
Method: ICAP2 2012(v35) Mode: CONC Corr. Factor: 1.000000
User: LMH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	As1937	As1972	B_2089	Ba4554-2	Be3130	Ca3179
Line	328.068 {103}	308.215 {109}	189.042 {478}	193.759 {474}	197.262 {471}	208.959 {461}	455.403 { 74}2	313.042 {108}	317.933 {106}
IS Ref	(Y_3600)	(Y_3774)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3774)	(Y_3774)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.05165**	**10.646**	**.20767**	**.2107**	**.2082**	**.23599**	**.28896**	**.21135**	**90.348**
Stddev	.00106	.069	.00036	.0002	.0024	.00064	.00112	.00097	.333
%RSD	2.0541	.64929	.17568	.0895	1.135	.26997	.38664	.45993	.36908
#1	.05090	10.695	.20741	.2108	.2098	.23644	.28817	.21066	90.112
#2	.05240	10.597	.20793	.2105	.2065	.23554	.28975	.21203	90.584
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Cd2288	Co2286	Cr2677	Cu3247	Fe2599	K_7664	K_7664-2	Li6707	Mg2790
Line	228.802 {447}	228.616 {447}	267.716 {126}	324.754 {104}	259.940 {130}	766.490 { 44}	766.490 { 44}2	670.784 { 50}	279.079 {121}2
IS Ref	(Y_2243)	(In2306)	(Y_3600)	(Y_3600)	(Y_3774)	(Y_3774)	(Y_3600)	(Y_3774)	(Y_3600)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.20715**	**.20398**	**.20876**	**.20754**	**10.053**	**13.151**	**13.424**	**.22579**	**38.524**
Stddev	.00003	.00054	.00130	.00044	.025	.040	.056	.00104	.145
%RSD	.01218	.26447	.62382	.21386	.25026	.30344	.42086	.45903	.37641
#1	.20714	.20436	.20784	.20785	10.035	13.123	13.463	.22652	38.421
#2	.20717	.20360	.20968	.20722	10.070	13.179	13.384	.22505	38.626
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Mn2576	Mo2020	Na5895	Ni2316	Pb2203	S_1820	Sb2068	Se1960	Si2881
Line	257.610 {131}	202.030 {467}	589.592 { 57}	231.604 {446}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}2
IS Ref	(Y_3600)	(Y_2243)	(Y_3774)	(In2306)	(In2306)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3774)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.35226**	**.21971**	**21.649**	**.20279**	**.20937**	**13.705**	**.21103**	**.20259**	**16.159**
Stddev	.00114	.00038	.078	.00089	.00018	.037	.00189	.00288	.027
%RSD	.32330	.17228	.36067	.43863	.08786	.26659	.89669	1.4238	.16933
#1	.35145	.21998	21.593	.20342	.20924	13.730	.21236	.20463	16.140
#2	.35306	.21944	21.704	.20216	.20950	13.679	.20969	.20055	16.178
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Y_3600-2	Y_3710	Zn2062
Line	189.989 {477}	407.771 { 83}	334.904 {101}	190.856 {477}	292.402 {115}	360.073 { 94}2	371.030 { 91}	206.200 {163}
IS Ref	(In2306)	(Y_3774)	(Y_3600)	(In2306)	(Y_3600)	(none)	(none)	(Y_3600)
Units	ppm	ppm	ppm	ppm	ppm	Cts/S	Cts/S	ppm
Avg	**.21048**	**.58524**	**.20832**	**.21388**	**.20843**	*****	*****	**.23995**
Stddev	.00179	.00176	.00009	.00113	.00109	-----	-----	.00046
%RSD	.85002	.30031	.04327	.52722	.52100	-----	-----	.19229
#1	.21175	.58399	.20826	.21467	.20766	7591.	22200.	.23963
#2	.20922	.58648	.20839	.21308	.20919	7587.	22200.	.24028
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	None	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	**4450.4**	**7821.9**	**47033.**	**14258.**
Stddev	11.1	14.5	83.	12.
%RSD	.24892	.18560	.17668	.08106
#1	4442.6	7811.7	47091.	14250.
#2	4458.3	7832.2	46974.	14266.

Sample Name: MB 480-58757/13-B Acquired: 4/12/2012 16:42:26 Type: Unk
Method: ICAP2 2012(v35) Mode: CONC Corr. Factor: 1.000000
User: LMH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	As1937	As1972	B_2089	Ba4554-2	Be3130	Ca3179
Line	328.068 {103}	308.215 {109}	189.042 {478}	193.759 {474}	197.262 {471}	208.959 {461}	455.403 { 74}2	313.042 {108}	317.933 {106}
IS Ref	(Y_3600)	(Y_3774)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3774)	(Y_3774)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00014**	**.02932**	**.00023**	**.0004**	**-.0012**	**.00801**	**.00010**	**.00012**	**.13821**
Stddev	.00045	.00648	.00252	.0001	.0020	.00040	.00001	.00003	.00221
%RSD	316.29	22.092	1082.7	24.41	170.3	5.0135	7.3482	22.243	1.6000
#1	.00018	.03390	.00201	.0004	-.0026	.00830	.00010	.00010	.13977
#2	-.00046	.02474	-.00155	.0003	.0002	.00773	.00009	.00013	.13664
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Cd2288	Co2286	Cr2677	Cu3247	Fe2599	K_7664	K_7664-2	Li6707	Mg2790
Line	228.802 {447}	228.616 {447}	267.716 {126}	324.754 {104}	259.940 {130}	766.490 { 44}	766.490 { 44}2	670.784 { 50}	279.079 {121}2
IS Ref	(Y_2243)	(In2306)	(Y_3600)	(Y_3600)	(Y_3774)	(Y_3774)	(Y_3600)	(Y_3774)	(Y_3600)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00002**	**.00022**	**-.00035**	**.00060**	**.01336**	**.25260**	**.01313**	**.00163**	**.00516**
Stddev	.00000	.00022	.00034	.00017	.00060	.01094	.00026	.00095	.00298
%RSD	22.875	101.37	96.943	29.208	4.4802	4.3297	1.9702	58.333	57.701
#1	-.00002	.00037	-.00059	.00072	.01378	.24487	.01331	.00096	.00726
#2	-.00001	.00006	-.00011	.00047	.01293	.26033	.01295	.00231	.00305
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Mn2576	Mo2020	Na5895	Ni2316	Pb2203	S_1820	Sb2068	Se1960	Si2881
Line	257.610 {131}	202.030 {467}	589.592 { 57}	231.604 {446}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}2
IS Ref	(Y_3600)	(Y_2243)	(Y_3774)	(In2306)	(In2306)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3774)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00049**	**.00013**	**.10568**	**.00050**	**.00001**	**.00154**	**.00093**	**.00007**	**.00291**
Stddev	.00001	.00020	.01021	.00024	.00104	.00027	.00056	.00158	.00222
%RSD	1.1859	151.83	9.6569	48.145	17390.	17.873	60.188	2215.5	76.560
#1	.00049	-.00001	.09847	.00033	.00074	.00134	.00053	-.00105	.00448
#2	.00050	.00027	.11290	.00068	-.00073	.00173	.00133	.00119	.00133
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Y_3600-2	Y_3710	Zn2062
Line	189.989 {477}	407.771 { 83}	334.904 {101}	190.856 {477}	292.402 {115}	360.073 { 94}2	371.030 { 91}	206.200 {163}
IS Ref	(In2306)	(Y_3774)	(Y_3600)	(In2306)	(Y_3600)	(none)	(none)	(Y_3600)
Units	ppm	ppm	ppm	ppm	ppm	Cts/S	Cts/S	ppm
Avg	**.00003**	**.00097**	**-.00012**	**-.00019**	**.00061**	F *****	*****	**.00016**
Stddev	.00012	.00005	.00004	.00003	.00078	-----	-----	.00005
%RSD	382.18	5.6418	35.208	17.696	128.66	-----	-----	30.512
#1	-.00005	.00101	-.00015	-.00021	.00005	7687.	22350.	.00013
#2	.00012	.00093	-.00009	-.00017	.00116	7766.	22670.	.00020
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass
High Limit						12.00		
Low Limit						8.000		

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	**4722.3**	**8097.9**	**49856.**	**14439.**
Stddev	27.6	42.4	167.	164.
%RSD	.58383	.52387	.33514	1.1349
#1	4702.8	8067.9	49974.	14323.
#2	4741.8	8127.9	49738.	14555.

Sample Name: LCS 480-58757/14-B Acquired: 4/12/2012 16:44:34 Type: Unk
Method: ICAP2 2012(v35) Mode: CONC Corr. Factor: 1.000000
User: LMH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	As1937	As1972	B_2089	Ba4554-2	Be3130	Ca3179
Line	328.068 {103}	308.215 {109}	189.042 {478}	193.759 {474}	197.262 {471}	208.959 {461}	455.403 { 74}2	313.042 {108}	317.933 {106}
IS Ref	(Y_3600)	(Y_3774)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3774)	(Y_3774)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.05023**	**10.372**	**.20267**	**.2056**	**.2028**	**.20985**	**.20764**	**.21063**	**10.186**
Stddev	.00031	.045	.00135	.0011	.0030	.00087	.00238	.00020	.024
%RSD	.61416	.43119	.66583	.5491	1.454	.41312	1.1443	.09347	.24039
#1	.05001	10.404	.20172	.2048	.2049	.20923	.20932	.21077	10.204
#2	.05045	10.340	.20363	.2064	.2008	.21046	.20596	.21049	10.169
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Cd2288	Co2286	Cr2677	Cu3247	Fe2599	K_7664	K_7664-2	Li6707	Mg2790
Line	228.802 {447}	228.616 {447}	267.716 {126}	324.754 {104}	259.940 {130}	766.490 { 44}	766.490 { 44}2	670.784 { 50}	279.079 {121}2
IS Ref	(Y_2243)	(In2306)	(Y_3600)	(Y_3600)	(Y_3774)	(Y_3774)	(Y_3600)	(Y_3774)	(Y_3600)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.20549**	**.20568**	**.20847**	**.20742**	**10.082**	**10.553**	**9.1477**	**.21378**	**10.152**
Stddev	.00017	.00037	.00156	.00177	.022	.011	.0968	.00029	.088
%RSD	.08315	.17993	.74597	.85284	.22037	.10609	1.0585	.13717	.86657
#1	.20537	.20541	.20957	.20867	10.098	10.561	9.2161	.21399	10.214
#2	.20561	.20594	.20737	.20617	10.066	10.545	9.0792	.21357	10.090
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Mn2576	Mo2020	Na5895	Ni2316	Pb2203	S_1820	Sb2068	Se1960	Si2881
Line	257.610 {131}	202.030 {467}	589.592 { 57}	231.604 {446}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}2
IS Ref	(Y_3600)	(Y_2243)	(Y_3774)	(In2306)	(In2306)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3774)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.21113**	**.21217**	**10.389**	**.20379**	**.20756**	**-.00196**	**.20739**	**.19834**	**10.069**
Stddev	.00205	.00022	.020	.00090	.00033	.00292	.00055	.00093	.042
%RSD	.97132	.10369	.19405	.44050	.16069	149.47	.26443	.47050	.41995
#1	.21258	.21201	10.403	.20316	.20732	.00011	.20778	.19900	10.098
#2	.20968	.21232	10.375	.20443	.20779	-.00402	.20700	.19768	10.039
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Y_3600-2	Y_3710	Zn2062
Line	189.989 {477}	407.771 { 83}	334.904 {101}	190.856 {477}	292.402 {115}	360.073 { 94}2	371.030 { 91}	206.200 {163}
IS Ref	(In2306)	(Y_3774)	(Y_3600)	(In2306)	(Y_3600)	(none)	(none)	(Y_3600)
Units	ppm	ppm	ppm	ppm	ppm	Cts/S	Cts/S	ppm
Avg	**.20339**	**.20709**	**.20279**	**.21245**	**.20542**	*****	*****	**.22299**
Stddev	.00056	.00097	.00255	.00161	.00134	-----	-----	.00104
%RSD	.27674	.46760	1.2597	.75892	.65190	-----	-----	.46720
#1	.20299	.20777	.20459	.21131	.20637	7657.	22320.	.22372
#2	.20379	.20641	.20098	.21359	.20448	7637.	22360.	.22225
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	None	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	**4626.7**	**7999.4**	**48995.**	**14323.**
Stddev	6.9	17.7	299.	17.
%RSD	.14814	.22163	.61049	.12032
#1	4631.5	8011.9	48784.	14335.
#2	4621.9	7986.8	49207.	14310.

Sample Name: 480-18356-A-1-A Acquired: 4/12/2012 16:46:38 Type: Unk
Method: ICAP2 2012(v35) Mode: CONC Corr. Factor: 1.000000
User: LMH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	As1937	As1972	B_2089	Ba4554-2	Be3130	Ca3179
Line	328.068 {103}	308.215 {109}	189.042 {478}	193.759 {474}	197.262 {471}	208.959 {461}	455.403 { 74}2	313.042 {108}	317.933 {106}
IS Ref	(Y_3600)	(Y_3774)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3774)	(Y_3774)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00068**	**.06322**	**.00040**	**.0005**	**-.0034**	**.01402**	**.11741**	**.00007**	**104.07**
Stddev	.00024	.02530	.00074	.0015	.0007	.00005	.00012	.00002	.43
%RSD	35.049	40.023	183.53	322.5	19.50	.36897	.09924	35.761	.41034
#1	-.00085	.08111	.00093	.0015	-.0039	.01399	.11733	.00005	103.77
#2	-.00051	.04533	-.00012	-.0006	-.0030	.01406	.11750	.00009	104.37
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Cd2288	Co2286	Cr2677	Cu3247	Fe2599	K_7664	K_7664-2	Li6707	Mg2790
Line	228.802 {447}	228.616 {447}	267.716 {126}	324.754 {104}	259.940 {130}	766.490 { 44}	766.490 { 44}2	670.784 { 50}	279.079 {121}2
IS Ref	(Y_2243)	(In2306)	(Y_3600)	(Y_3600)	(Y_3774)	(Y_3774)	(Y_3600)	(Y_3774)	(Y_3600)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00036**	**.00262**	**.00023**	**.00076**	**.38762**	**.40958**	**.23301**	**.00366**	**52.031**
Stddev	.00002	.00021	.00026	.00033	.00386	.01234	.00212	.00080	.198
%RSD	6.7606	7.9700	113.47	42.871	.99623	3.0129	.90863	21.761	.37965
#1	.00038	.00248	.00005	.00099	.38489	.41831	.23451	.00310	51.891
#2	.00035	.00277	.00042	.00053	.39035	.40086	.23152	.00422	52.170
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Mn2576	Mo2020	Na5895	Ni2316	Pb2203	S_1820	Sb2068	Se1960	Si2881
Line	257.610 {131}	202.030 {467}	589.592 { 57}	231.604 {446}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}2
IS Ref	(Y_3600)	(Y_2243)	(Y_3774)	(In2306)	(In2306)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3774)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.12660**	**.00044**	**12.352**	**.00474**	**.00090**	**10.022**	**.00113**	**-.00273**	**4.7560**
Stddev	.00023	.00001	.027	.00023	.00058	.021	.00075	.00137	.0248
%RSD	.18540	2.9050	.22214	4.9193	64.415	.20608	66.642	50.067	.52057
#1	.12643	.00043	12.332	.00491	.00130	10.037	.00060	-.00369	4.7385
#2	.12676	.00045	12.371	.00458	.00049	10.008	.00166	-.00176	4.7735
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Y_3600-2	Y_3710	Zn2062
Line	189.989 {477}	407.771 { 83}	334.904 {101}	190.856 {477}	292.402 {115}	360.073 { 94}2	371.030 { 91}	206.200 {163}
IS Ref	(In2306)	(Y_3774)	(Y_3600)	(In2306)	(Y_3600)	(none)	(none)	(Y_3600)
Units	ppm	ppm	ppm	ppm	ppm	Cts/S	Cts/S	ppm
Avg	**-.00056**	**.09235**	**.00149**	**-.00039**	**.00147**	*****	*****	**.00160**
Stddev	.00011	.00030	.00041	.00083	.00066	-----	-----	.00007
%RSD	20.472	.32010	27.712	210.70	44.947	-----	-----	4.6610
#1	-.00064	.09214	.00179	-.00098	.00193	7642.	22320.	.00165
#2	-.00048	.09256	.00120	.00019	.00100	7616.	22220.	.00155
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	None	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	**4469.4**	**7801.0**	**46924.**	**14298.**
Stddev	22.9	30.9	258.	52.
%RSD	.51251	.39630	.54926	.36246
#1	4453.2	7779.1	47106.	14334.
#2	4485.6	7822.9	46742.	14261.

Sample Name: 480-18356-A-2-A Acquired: 4/12/2012 16:48:43 Type: Unk
Method: ICAP2 2012(v35) Mode: CONC Corr. Factor: 1.000000
User: LMH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	As1937	As1972	B_2089	Ba4554	Be3130	Ca3179
Line	328.068 {103}	308.215 {109}	189.042 {478}	193.759 {474}	197.262 {471}	208.959 {461}	455.403 { 74}	313.042 {108}	317.933 {106}
IS Ref	(Y_3600)	(Y_3774)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3774)	(Y_3774)	(Y_3774)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00029**	**.03105**	**.09305**	**.0899**	**.0868**	**.42683**	**.77982**	**.00011**	**114.30**
Stddev	.00001	.01165	.00177	.0015	.0006	.00157	.01043	.00002	1.28
%RSD	2.5948	37.536	1.9041	1.631	.6383	.36707	1.3372	18.908	1.1202
#1	-.00030	.02281	.09180	.0909	.0872	.42794	.77245	.00010	113.39
#2	-.00028	.03929	.09431	.0888	.0864	.42573	.78720	.00013	115.20
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Cd2288	Co2286	Cr2677	Cu3247	Fe2599	K_7664	K_7664-2	Li6707	Mg2790
Line	228.802 {447}	228.616 {447}	267.716 {126}	324.754 {104}	259.940 {130}	766.490 { 44}	766.490 { 44}2	670.784 { 50}	279.079 {121}2
IS Ref	(Y_2243)	(In2306)	(Y_3600)	(Y_3600)	(Y_3774)	(Y_3774)	(Y_3600)	(Y_3774)	(Y_3600)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00050**	**.00779**	**.00131**	**.00078**	**.47297**	**14.295**	**20.461**	**.01032**	**164.81**
Stddev	.00003	.00007	.00010	.00036	.00426	.121	.215	.00077	1.05
%RSD	6.4686	.88894	7.2801	46.156	.90021	.84399	1.0522	7.4984	.63453
#1	.00048	.00784	.00124	.00103	.46996	14.210	20.309	.01087	164.07
#2	.00052	.00774	.00137	.00052	.47598	14.380	20.613	.00977	165.55
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Mn2576	Mo2020	Na8183	Ni2316	Pb2203	S_1820	Sb2068	Se1960	Si2881
Line	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}2
IS Ref	(Y_3600)	(Y_2243)	(Y_3774)	(In2306)	(In2306)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3774)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.02680**	**.01022**	**316.16**	**.05105**	**.00125**	**4.3037**	**.00048**	**-.00079**	**17.994**
Stddev	.00029	.00002	3.75	.00010	.00001	.0221	.00217	.00384	.261
%RSD	1.0644	.19291	1.1846	.19273	.68623	.51264	452.63	486.48	1.4520
#1	.02660	.01021	313.51	.05112	.00126	4.3193	.00202	.00192	17.810
#2	.02700	.01023	318.81	.05098	.00125	4.2881	-.00106	-.00350	18.179
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Y_3600-2	Y_3710	Zn2062
Line	189.989 {477}	407.771 { 83}	334.904 {101}	190.856 {477}	292.402 {115}	360.073 { 94}2	371.030 { 91}	206.200 {163}
IS Ref	(In2306)	(Y_3774)	(Y_3600)	(In2306)	(Y_3600)	(none)	(none)	(Y_3600)
Units	ppm	ppm	ppm	ppm	ppm	Cts/S	Cts/S	ppm
Avg	**-.00004**	**.31950**	**.00190**	**.00038**	**.00148**	*****	*****	**.00143**
Stddev	.00029	.00411	.00068	.00250	.00034	-----	-----	.00020
%RSD	756.10	1.2849	35.828	654.70	22.948	-----	-----	13.682
#1	-.00024	.31660	.00239	.00215	.00124	7459.	21820.	.00129
#2	.00017	.32240	.00142	-.00139	.00172	7408.	21680.	.00156
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	None	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	**4168.4**	**7490.2**	**44442.**	**13926.**
Stddev	6.6	17.0	168.	81.
%RSD	.15906	.22662	.37812	.58271
#1	4163.7	7478.2	44561.	13984.
#2	4173.0	7502.2	44324.	13869.

Sample Name: 480-18356-A-3-A Acquired: 4/12/2012 16:51:06 Type: Unk
Method: ICAP2 2012(v35) Mode: CONC Corr. Factor: 1.000000
User: LMH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	As1937	As1972	B_2089	Ba4554	Ba4554-2	Be3130
Line	328.068 {103}	308.215 {109}	189.042 {478}	193.759 {474}	197.262 {471}	208.959 {461}	455.403 { 74}	455.403 { 74}2	313.042 {108}
IS Ref	(Y_3600)	(Y_3774)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3774)	(Y_3600)	(Y_3774)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00106**	**.04992**	**.00639**	**.0077**	**.0008**	**.09581**	**.76074**	**.74091**	**.00006**
Stddev	.00132	.02439	.00355	.0008	.0010	.00108	.00384	.00413	.00014
%RSD	124.17	48.853	55.514	10.31	126.3	1.1260	.50455	.55723	218.52
#1	-.00013	.06716	.00388	.0071	.0015	.09657	.76346	.73799	-.00003
#2	-.00200	.03267	.00890	.0082	.0001	.09504	.75803	.74382	.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	Ca3179	Cd2288	Co2286	Cr2677	Cu3247	Fe2599	K_7664	K_7664-2	Li6707
Line	317.933 {106}	228.802 {447}	228.616 {447}	267.716 {126}	324.754 {104}	259.940 {130}	766.490 { 44}	766.490 { 44}2	670.784 { 50}
IS Ref	(Y_3774)	(Y_2243)	(In2306)	(Y_3600)	(Y_3600)	(Y_3774)	(Y_3774)	(Y_3600)	(Y_3774)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**117.80**	**.00034**	**.00514**	**-.00055**	**.00140**	**.36209**	**6.0393**	**8.6472**	**.00972**
Stddev	.47	.00005	.00021	.00054	.00013	.00070	.0124	.0135	.00010
%RSD	.40062	14.325	4.1489	99.914	9.4031	.19299	.20520	.15654	1.0646
#1	118.13	.00031	.00529	-.00093	.00149	.36159	6.0306	8.6377	.00979
#2	117.46	.00038	.00499	-.00016	.00130	.36258	6.0481	8.6568	.00965
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Mg2790	Mn2576	Mo2020	Na8183	Ni2316	Pb2203	S_1820	Sb2068	Se1960
Line	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}
IS Ref	(Y_3600)	(Y_3600)	(Y_2243)	(Y_3774)	(In2306)	(In2306)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**83.638**	**.23608**	**.00093**	**323.50**	**.02108**	**.00017**	**14.693**	**.00113**	**-.00063**
Stddev	.529	.00178	.00004	1.85	.00004	.00040	.040	.00054	.00090
%RSD	.63273	.75429	4.7136	.57151	.19115	239.84	.26940	47.903	142.65
#1	83.264	.23482	.00097	324.80	.02105	.00045	14.721	.00151	-.00127
#2	84.012	.23734	.00090	322.19	.02111	-.00012	14.665	.00074	.00001
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Si2881	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Y_3600-2	Y_3710	Zn2062
Line	288.158 {117}2	189.989 {477}	407.771 { 83}	334.904 {101}	190.856 {477}	292.402 {115}	360.073 { 94}2	371.030 { 91}	206.200 {163}
IS Ref	(Y_3774)	(In2306)	(Y_3774)	(Y_3600)	(In2306)	(Y_3600)	(none)	(none)	(Y_3600)
Units	ppm	ppm	ppm	ppm	ppm	ppm	Cts/S	Cts/S	ppm
Avg	**13.082**	**-.00022**	**.13279**	**.00155**	**.00109**	**.00007**	*****	*****	**.00133**
Stddev	.075	.00085	.00080	.00050	.00020	.00011	-----	-----	.00013
%RSD	.57611	393.21	.60421	32.417	18.254	150.93	-----	-----	9.8432
#1	13.135	.00038	.13336	.00191	.00095	.00000	7444.	21740.	.00124
#2	13.028	-.00081	.13223	.00120	.00123	.00015	7518.	22000.	.00143
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	None	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	**4233.8**	**7560.4**	**44520.**	**14006.**
Stddev	4.0	8.0	170.	142.
%RSD	.09421	.10560	.38136	1.0104
#1	4231.0	7554.8	44640.	13906.
#2	4236.6	7566.1	44399.	14106.

Sample Name: CCV Acquired: 4/12/2012 16:53:34 Type: QC
Method: ICAP2 2012(v35) Mode: CONC Corr. Factor: 1.000000
User: LMH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	As1937	As1972	B_2089	Ba4554-2	Be3130	Ca3179	Cd2288	Co2286	Cr2677	Cu3247
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.51911**	**24.946**	**.49704**	**.4975**	**.4939**	**.49540**	**.53237**	**.48820**	**24.609**	**.49867**	**.48807**	**.52802**	**.52167**
Stddev	.03471	.312	.00037	.0034	.0024	.00090	.03244	.00517	.316	.00017	.00041	.03282	.03220
%RSD	6.6855	1.2490	.07472	.6771	.4916	.18103	6.0942	1.0599	1.2823	.03447	.08375	6.2151	6.1717
#1	.54365	24.726	.49730	.4999	.4921	.49604	.55531	.48454	24.385	.49855	.48836	.55122	.54444
#2	.49457	25.167	.49678	.4951	.4956	.49477	.50943	.49186	24.832	.49879	.48778	.50481	.49890
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	Fe2599	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	ppm
Avg	**24.519**	**25.653**	**25.366**	**.51163**	**25.969**	**.53358**	**.51184**	**25.236**	**.49505**	**.49567**	**24.927**	**.50966**	**.50166**
Stddev	.344	.280	1.266	.00287	1.618	.03283	.00026	.295	.00014	.00348	.021	.00012	.00023
%RSD	1.4017	1.0927	4.9899	.56042	6.2309	6.1526	.05093	1.1684	.02889	.70244	.08533	.02277	.04521
#1	24.276	25.455	26.261	.50960	27.113	.55680	.51202	25.028	.49515	.49321	24.942	.50974	.50182
#2	24.762	25.852	24.471	.51365	24.825	.51037	.51165	25.445	.49495	.49814	24.912	.50958	.50150
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	Si2881	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Y_3600-2	Y_3710	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm	Cts/S	Cts/S	ppm
Avg	**24.064**	**.52147**	**.50078**	**.52352**	**.51237**	**.52558**	z *****	z *****	**.53915**
Stddev	.335	.00201	.00570	.03340	.00085	.03209	-----	-----	.03327
%RSD	1.3905	.38455	1.1392	6.3795	.16550	6.1061	-----	-----	6.1700
#1	23.827	.52289	.49674	.54714	.51177	.54827	z 7604.	z 22310.	.56267
#2	24.301	.52006	.50481	.49990	.51297	.50289	z 7495.	z 21920.	.51563
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	None	Chk Pass
Value									
Range									

Int. Std.	In2306	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**4516.6**	**7895.5**	**46240.**	**14202.**
Stddev	2.1	2.7	2251.	171.
%RSD	.04658	.03447	4.8674	1.2066
#1	4518.1	7897.4	44649.	14323.
#2	4515.1	7893.6	47832.	14081.

Sample Name: CCB Acquired: 4/12/2012 16:55:34 Type: QC
Method: ICAP2 2012(v35) Mode: CONC Corr. Factor: 1.000000
User: LMH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	As1937	As1972	B_2089	Ba4554-2	Be3130	Ca3179	Cd2288	Co2286	Cr2677	Cu3247
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00191**	**.01903**	**.00053**	**.0006**	**-.0049**	**.00176**	**.00017**	**.00035**	**.02858**	**.00022**	**.00020**	**-.00091**	**-.00023**
Stddev	.00032	.00294	.00141	.0000	.0014	.00066	.00004	.00009	.00518	.00011	.00005	.00059	.00025
%RSD	16.906	15.450	267.00	6.715	28.12	37.323	21.765	26.494	18.116	48.535	25.719	65.635	107.47
#1	-.00214	.02111	.00153	.0006	-.0058	.00222	.00020	.00041	.03224	.00029	.00016	-.00133	-.00041
#2	-.00168	.01695	-.00047	.0006	-.0039	.00129	.00015	.00028	.02492	.00014	.00023	-.00049	-.00006
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	Fe2599	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	ppm
Avg	**.01215**	**.25101**	**.00937**	**-.00059**	**.01058**	**.00011**	**.00010**	**.09564**	**.00015**	**.00059**	**.00445**	**.00086**	**.00069**
Stddev	.00206	.00118	.00111	.00027	.00103	.00005	.00005	.00184	.00014	.00094	.00033	.00153	.00080
%RSD	16.984	.47205	11.891	46.776	9.7616	41.778	49.604	1.9272	91.449	159.46	7.3441	178.15	116.66
#1	.01361	.25017	.01016	-.00078	.01131	.00008	.00007	.09695	.00005	-.00008	.00422	.00195	.00125
#2	.01069	.25184	.00858	-.00039	.00985	.00014	.00014	.09434	.00025	.00126	.00468	-.00022	.00012
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	Si2881	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Y_3600-2	Y_3710	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm	Cts/S	Cts/S	ppm
Avg	**.03035**	**.00058**	**.00049**	**-.00021**	**.00002**	**.00060**	z *****	z *****	**.00037**
Stddev	.00151	.00002	.00000	.00062	.00023	.00002	-----	-----	.00012
%RSD	4.9899	4.1121	.02798	299.80	1461.7	2.7631	-----	-----	32.153
#1	.02928	.00060	.00049	.00023	.00018	.00061	z 7573.	z 22030.	.00045
#2	.03142	.00057	.00049	-.00064	-.00015	.00058	z 7533.	z 21930.	.00028
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	None	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	**4742.4**	**8089.8**	**49233.**	**14091.**
Stddev	2.9	7.6	549.	35.
%RSD	.06166	.09399	1.1154	.24500
#1	4740.3	8084.4	49622.	14115.
#2	4744.4	8095.2	48845.	14066.

Sample Name: 480-18356-A-3-A SD@5 Acquired: 4/12/2012 16:57:44 Type: Unk
Method: ICAP2 2012(v35) Mode: CONC Corr. Factor: 1.000000
User: LMH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	As1937	As1972	B_2089	Ba4554-2	Be3130	Ca3179
Line	328.068 {103}	308.215 {109}	189.042 {478}	193.759 {474}	197.262 {471}	208.959 {461}	455.403 { 74}2	313.042 {108}	317.933 {106}
IS Ref	(Y_3600)	(Y_3774)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3774)	(Y_3774)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00181**	**.03921**	**.00311**	**.0014**	**-.0029**	**.01989**	**.15038**	**.00005**	**23.388**
Stddev	.00023	.01507	.00012	.0021	.0014	.00037	.00006	.00001	.042
%RSD	12.938	38.446	3.9313	155.7	48.00	1.8383	.03922	11.492	.17776
#1	-.00198	.02855	.00320	-.0001	-.0019	.01963	.15034	.00004	23.358
#2	-.00165	.04987	.00303	.0028	-.0039	.02015	.15043	.00005	23.417
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Cd2288	Co2286	Cr2677	Cu3247	Fe2599	K_7664	K_7664-2	Li6707	Mg2790
Line	228.802 {447}	228.616 {447}	267.716 {126}	324.754 {104}	259.940 {130}	766.490 { 44}	766.490 { 44}2	670.784 { 50}	279.079 {121}2
IS Ref	(Y_2243)	(In2306)	(Y_3600)	(Y_3600)	(Y_3774)	(Y_3774)	(Y_3600)	(Y_3774)	(Y_3600)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00029**	**.00098**	**-.00007**	**.00046**	**.07157**	**1.3193**	**1.2254**	**.00195**	**16.647**
Stddev	.00002	.00013	.00011	.00005	.00106	.0301	.0014	.00188	.025
%RSD	8.5282	13.157	150.31	10.986	1.4761	2.2815	.11223	96.835	.15140
#1	.00027	.00089	-.00015	.00049	.07083	1.2981	1.2264	.00061	16.665
#2	.00030	.00107	.00000	.00042	.07232	1.3406	1.2244	.00328	16.629
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Mn2576	Mo2020	Na8183	Ni2316	Pb2203	S_1820	Sb2068	Se1960	Si2881
Line	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}2
IS Ref	(Y_3600)	(Y_2243)	(Y_3774)	(In2306)	(In2306)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3774)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.04734**	**.00015**	**63.321**	**.00459**	**.00091**	**2.7948**	**.00190**	**-.00244**	**2.5530**
Stddev	.00008	.00007	.255	.00045	.00156	.0088	.00316	.00193	.0201
%RSD	.15949	48.658	.40241	9.8429	171.72	.31473	166.64	79.342	.78637
#1	.04739	.00020	63.141	.00491	-.00019	2.7886	-.00034	-.00107	2.5388
#2	.04728	.00010	63.502	.00427	.00201	2.8010	.00413	-.00381	2.5672
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Y_3600-2	Y_3710	Zn2062
Line	189.989 {477}	407.771 { 83}	334.904 {101}	190.856 {477}	292.402 {115}	360.073 { 94}2	371.030 { 91}	206.200 {163}
IS Ref	(In2306)	(Y_3774)	(Y_3600)	(In2306)	(Y_3600)	(none)	(none)	(Y_3600)
Units	ppm	ppm	ppm	ppm	ppm	Cts/S	Cts/S	ppm
Avg	**.00042**	**.02635**	**.00030**	**-.00029**	**.00027**	*****	*****	**.00032**
Stddev	.00016	.00006	.00036	.00144	.00002	-----	-----	.00031
%RSD	38.177	.21521	120.44	497.61	8.1674	-----	-----	96.132
#1	.00031	.02639	.00004	-.00130	.00026	7499.	21880.	.00010
#2	.00054	.02631	.00055	.00073	.00029	7523.	21960.	.00054
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	None	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	**4515.8**	**7813.1**	**46672.**	**14079.**
Stddev	15.4	26.1	46.	41.
%RSD	.34054	.33421	.09798	.29078
#1	4526.7	7831.6	46640.	14050.
#2	4505.0	7794.7	46705.	14108.

Sample Name: 480-18356-A-3-A PDS Acquired: 4/12/2012 16:59:51 Type: Unk
Method: ICAP2 2012(v35) Mode: CONC Corr. Factor: 1.000000
User: LMH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	As1937	As1972	B_2089	Ba4554	Be3130	Ca3179
Line	328.068 {103}	308.215 {109}	189.042 {478}	193.759 {474}	197.262 {471}	208.959 {461}	455.403 { 74}	313.042 {108}	317.933 {106}
IS Ref	(Y_3600)	(Y_3774)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3774)	(Y_3774)	(Y_3774)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.05160**	**10.260**	**.20889**	**.2121**	**.2085**	**.30094**	**.93482**	**.20364**	**123.14**
Stddev	.00149	.019	.00155	.0019	.0004	.00025	.00056	.00077	.09
%RSD	2.8947	.18312	.73991	.8947	.1701	.08427	.06007	.37766	.07312
#1	.05055	10.273	.20998	.2107	.2088	.30112	.93442	.20419	123.21
#2	.05266	10.247	.20779	.2134	.2083	.30076	.93522	.20310	123.08
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Cd2288	Co2286	Cr2677	Cu3247	Fe2599	K_7664	K_7664-2	Li6707	Mg2790
Line	228.802 {447}	228.616 {447}	267.716 {126}	324.754 {104}	259.940 {130}	766.490 { 44}	766.490 { 44}2	670.784 { 50}	279.079 {121}2
IS Ref	(Y_2243)	(In2306)	(Y_3600)	(Y_3600)	(Y_3774)	(Y_3774)	(Y_3600)	(Y_3774)	(Y_3600)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.20336**	**.20507**	**.20222**	**.20333**	**9.8615**	**16.027**	**22.894**	**.21332**	**91.142**
Stddev	.00077	.00034	.00170	.00042	.0068	.013	.098	.00176	.571
%RSD	.38093	.16685	.83917	.20510	.06895	.07839	.42702	.82301	.62621
#1	.20391	.20532	.20102	.20304	9.8663	16.036	22.825	.21456	90.738
#2	.20281	.20483	.20342	.20363	9.8567	16.018	22.963	.21208	91.546
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Mn2576	Mo2020	Na8183	Ni2316	Pb2203	S_1820	Sb2068	Se1960	Si2881
Line	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}2
IS Ref	(Y_3600)	(Y_2243)	(Y_3774)	(In2306)	(In2306)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3774)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.43159**	**.20721**	**320.24**	**.21790**	**.20109**	**14.272**	**.20650**	**.19819**	**22.670**
Stddev	.00206	.00048	.48	.00015	.00323	.016	.00130	.00273	.001
%RSD	.47625	.23149	.15001	.06743	1.6083	.11136	.63056	1.3789	.00640
#1	.43014	.20755	319.90	.21779	.20338	14.283	.20558	.19625	22.671
#2	.43305	.20687	320.58	.21800	.19881	14.261	.20742	.20012	22.669
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Y_3600-2	Y_3710	Zn2062
Line	189.989 {477}	407.771 { 83}	334.904 {101}	190.856 {477}	292.402 {115}	360.073 { 94}2	371.030 { 91}	206.200 {163}
IS Ref	(In2306)	(Y_3774)	(Y_3600)	(In2306)	(Y_3600)	(none)	(none)	(Y_3600)
Units	ppm	ppm	ppm	ppm	ppm	Cts/S	Cts/S	ppm
Avg	**.20599**	**.32868**	**.20394**	**.20403**	**.20470**	*****	*****	**.22058**
Stddev	.00062	.00039	.00208	.00086	.00279	-----	-----	.00154
%RSD	.30065	.11901	1.0208	.42112	1.3612	-----	-----	.70012
#1	.20556	.32840	.20247	.20342	.20273	7449.	21800.	.21949
#2	.20643	.32896	.20542	.20464	.20667	7479.	21880.	.22168
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	None	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	**4204.3**	**7569.2**	**44684.**	**14027.**
Stddev	7.8	22.6	325.	35.
%RSD	.18559	.29808	.72635	.25019
#1	4198.8	7553.3	44914.	14002.
#2	4209.8	7585.2	44455.	14052.

Sample Name: 480-18356-A-3-B MS Acquired: 4/12/2012 17:02:05 Type: Unk
Method: ICAP2 2012(v35) Mode: CONC Corr. Factor: 1.000000
User: LMH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	As1937	As1972	B_2089	Ba4554	Be3130	Ca3179
Line	328.068 {103}	308.215 {109}	189.042 {478}	193.759 {474}	197.262 {471}	208.959 {461}	455.403 { 74}	313.042 {108}	317.933 {106}
IS Ref	(Y_3600)	(Y_3774)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3774)	(Y_3774)	(Y_3774)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.05383**	**10.531**	**.21758**	**.2207**	**.2185**	**.30550**	**.95772**	**.21322**	**125.44**
Stddev	.00030	.082	.00319	.0015	.0031	.00060	.00413	.00153	.60
%RSD	.56115	.77987	1.4668	.6735	1.409	.19727	.43116	.71648	.48203
#1	.05361	10.472	.21532	.2218	.2163	.30508	.95480	.21214	125.02
#2	.05404	10.589	.21983	.2197	.2207	.30593	.96064	.21430	125.87
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Cd2288	Co2286	Cr2677	Cu3247	Fe2599	K_7664	K_7664-2	Li6707	Mg2790
Line	228.802 {447}	228.616 {447}	267.716 {126}	324.754 {104}	259.940 {130}	766.490 { 44}	766.490 { 44}2	670.784 { 50}	279.079 {121}2
IS Ref	(Y_2243)	(In2306)	(Y_3600)	(Y_3600)	(Y_3774)	(Y_3774)	(Y_3600)	(Y_3774)	(Y_3600)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.21262**	**.21354**	**.20924**	**.21021**	**10.321**	**16.512**	**23.179**	**.21873**	**92.071**
Stddev	.00025	.00035	.00001	.00024	.042	.064	.143	.00014	.013
%RSD	.11833	.16501	.00499	.11201	.40703	.38905	.61887	.06277	.01446
#1	.21245	.21329	.20923	.21038	10.292	16.467	23.077	.21863	92.061
#2	.21280	.21379	.20925	.21005	10.351	16.558	23.280	.21883	92.080
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Mn2576	Mo2020	Na8183	Ni2316	Pb2203	S_1820	Sb2068	Se1960	Si2881
Line	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}2
IS Ref	(Y_3600)	(Y_2243)	(Y_3774)	(In2306)	(In2306)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3774)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.44036**	**.21617**	**328.53**	**.22631**	**.21114**	**14.501**	**.21491**	**.20433**	**23.105**
Stddev	.00041	.00029	.99	.00062	.00154	.023	.00145	.00040	.147
%RSD	.09310	.13305	.30221	.27193	.72901	.15528	.67684	.19784	.63716
#1	.44065	.21638	327.83	.22675	.21005	14.485	.21388	.20405	23.001
#2	.44007	.21597	329.24	.22588	.21223	14.517	.21594	.20462	23.209
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Y_3600-2	Y_3710	Zn2062
Line	189.989 {477}	407.771 { 83}	334.904 {101}	190.856 {477}	292.402 {115}	360.073 { 94}2	371.030 { 91}	206.200 {163}
IS Ref	(In2306)	(Y_3774)	(Y_3600)	(In2306)	(Y_3600)	(none)	(none)	(Y_3600)
Units	ppm	ppm	ppm	ppm	ppm	Cts/S	Cts/S	ppm
Avg	**.21048**	**.33743**	**.21072**	**.21294**	**.21144**	*****	*****	**.22772**
Stddev	.00046	.00140	.00120	.00086	.00094	-----	-----	.00012
%RSD	.22055	.41369	.56804	.40559	.44568	-----	-----	.05111
#1	.21081	.33644	.21157	.21233	.21210	7444.	21690.	.22764
#2	.21015	.33842	.20988	.21355	.21077	7432.	21700.	.22781
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	None	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	**4187.2**	**7543.8**	**44663.**	**13900.**
Stddev	2.5	.5	17.	9.
%RSD	.06050	.00712	.03736	.06288
#1	4185.4	7544.2	44651.	13906.
#2	4189.0	7543.4	44675.	13894.

Sample Name: 480-18356-A-3-C MSD Acquired: 4/12/2012 17:04:19 Type: Unk
Method: ICAP2 2012(v35) Mode: CONC Corr. Factor: 1.000000
User: LMH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	As1937	As1972	B_2089	Ba4554	Be3130	Ca3179
Line	328.068 {103}	308.215 {109}	189.042 {478}	193.759 {474}	197.262 {471}	208.959 {461}	455.403 { 74}	313.042 {108}	317.933 {106}
IS Ref	(Y_3600)	(Y_3774)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3774)	(Y_3774)	(Y_3774)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.05243**	**10.428**	**.22052**	**.2196**	**.2194**	**.30587**	**.96721**	**.21129**	**126.52**
Stddev	.00042	.034	.00110	.0018	.0043	.00002	.00296	.00005	.27
%RSD	.80128	.32961	.50078	.8328	1.973	.00555	.30575	.02438	.21157
#1	.05213	10.404	.22130	.2209	.2225	.30589	.96512	.21132	126.33
#2	.05273	10.453	.21974	.2183	.2164	.30586	.96930	.21125	126.71
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Cd2288	Co2286	Cr2677	Cu3247	Fe2599	K_7664	K_7664-2	Li6707	Mg2790
Line	228.802 {447}	228.616 {447}	267.716 {126}	324.754 {104}	259.940 {130}	766.490 { 44}	766.490 { 44}2	670.784 { 50}	279.079 {121}2
IS Ref	(Y_2243)	(In2306)	(Y_3600)	(Y_3600)	(Y_3774)	(Y_3774)	(Y_3600)	(Y_3774)	(Y_3600)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.21095**	**.21291**	**.20878**	**.21009**	**10.283**	**16.552**	**23.258**	**.22207**	**93.094**
Stddev	.00027	.00029	.00085	.00043	.019	.057	.072	.00042	.200
%RSD	.13027	.13829	.40502	.20662	.18541	.34203	.31092	.19068	.21465
#1	.21115	.21312	.20818	.21039	10.270	16.512	23.207	.22237	93.236
#2	.21076	.21270	.20938	.20978	10.297	16.592	23.309	.22177	92.953
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Mn2576	Mo2020	Na8183	Ni2316	Pb2203	S_1820	Sb2068	Se1960	Si2881
Line	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}2
IS Ref	(Y_3600)	(Y_2243)	(Y_3774)	(In2306)	(In2306)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3774)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.44241**	**.21614**	**332.93**	**.22573**	**.20863**	**14.685**	**.21209**	**.20711**	**23.227**
Stddev	.00132	.00019	1.01	.00066	.00064	.007	.00170	.00217	.030
%RSD	.29781	.08578	.30375	.29311	.30647	.04954	.80135	1.0476	.12761
#1	.44334	.21628	332.21	.22620	.20909	14.691	.21089	.20557	23.206
#2	.44148	.21601	333.64	.22526	.20818	14.680	.21329	.20864	23.248
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Y_3600-2	Y_3710	Zn2062
Line	189.989 {477}	407.771 { 83}	334.904 {101}	190.856 {477}	292.402 {115}	360.073 { 94}2	371.030 { 91}	206.200 {163}
IS Ref	(In2306)	(Y_3774)	(Y_3600)	(In2306)	(Y_3600)	(none)	(none)	(Y_3600)
Units	ppm	ppm	ppm	ppm	ppm	Cts/S	Cts/S	ppm
Avg	**.21136**	**.33784**	**.21038**	**.21186**	**.21137**	*****	*****	**.22735**
Stddev	.00106	.00088	.00038	.00196	.00041	-----	-----	.00055
%RSD	.50007	.26139	.18278	.92599	.19464	-----	-----	.24119
#1	.21061	.33722	.21010	.21048	.21167	7436.	21770.	.22774
#2	.21210	.33846	.21065	.21325	.21108	7423.	21690.	.22696
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	None	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	**4174.5**	**7521.3**	**44748.**	**13888.**
Stddev	2.3	5.8	12.	55.
%RSD	.05451	.07702	.02753	.39659
#1	4176.2	7525.4	44740.	13927.
#2	4172.9	7517.2	44757.	13849.

Sample Name: 480-18356-A-4-A Acquired: 4/12/2012 17:06:33 Type: Unk
Method: ICAP2 2012(v35) Mode: CONC Corr. Factor: 1.000000
User: LMH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	As1937	As1972	B_2089	Ba4554-2	Be3130	Ca3179
Line	328.068 {103}	308.215 {109}	189.042 {478}	193.759 {474}	197.262 {471}	208.959 {461}	455.403 { 74}2	313.042 {108}	317.933 {106}
IS Ref	(Y_3600)	(Y_3774)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3774)	(Y_3774)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00122**	**.07951**	**.00504**	**.0035**	**.0016**	**.15992**	**.10665**	**.00005**	**56.016**
Stddev	.00058	.00069	.00146	.0002	.0012	.00027	.00017	.00004	.211
%RSD	47.693	.86468	28.902	5.077	79.04	.17151	.16342	86.613	.37746
#1	-.00081	.08000	.00607	.0034	.0007	.15972	.10652	.00002	56.166
#2	-.00163	.07902	.00401	.0037	.0025	.16011	.10677	.00007	55.867
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Cd2288	Co2286	Cr2677	Cu3247	Fe2599	K_7664	K_7664-2	Li6707	Mg2790
Line	228.802 {447}	228.616 {447}	267.716 {126}	324.754 {104}	259.940 {130}	766.490 { 44}	766.490 { 44}2	670.784 { 50}	279.079 {121}2
IS Ref	(Y_2243)	(In2306)	(Y_3600)	(Y_3600)	(Y_3774)	(Y_3774)	(Y_3600)	(Y_3774)	(Y_3600)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00033**	**.00202**	**-.00025**	**.00586**	**.03702**	**6.1803**	**7.4574**	**.00454**	**27.040**
Stddev	.00003	.00012	.00027	.00093	.00144	.0025	.0200	.00198	.011
%RSD	9.5037	6.1637	109.38	15.820	3.8884	.04051	.26860	43.561	.03949
#1	.00031	.00210	-.00044	.00520	.03804	6.1821	7.4715	.00594	27.048
#2	.00036	.00193	-.00006	.00651	.03600	6.1786	7.4432	.00314	27.033
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Mn2576	Mo2020	Na8183	Ni2316	Pb2203	S_1820	Sb2068	Se1960	Si2881
Line	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}2
IS Ref	(Y_3600)	(Y_2243)	(Y_3774)	(In2306)	(In2306)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3774)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.15141**	**.02094**	**143.24**	**.00418**	**-.00040**	**18.678**	**.00032**	**-.00176**	**6.7950**
Stddev	.00019	.00047	.29	.00048	.00006	.015	.00191	.00340	.0259
%RSD	.12862	2.2206	.20346	11.545	14.195	.08245	588.47	192.83	.38164
#1	.15128	.02061	143.45	.00452	-.00036	18.688	.00167	.00064	6.8133
#2	.15155	.02127	143.03	.00384	-.00044	18.667	-.00103	-.00416	6.7766
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Y_3600-2	Y_3710	Zn2062
Line	189.989 {477}	407.771 { 83}	334.904 {101}	190.856 {477}	292.402 {115}	360.073 { 94}2	371.030 { 91}	206.200 {163}
IS Ref	(In2306)	(Y_3774)	(Y_3600)	(In2306)	(Y_3600)	(none)	(none)	(Y_3600)
Units	ppm	ppm	ppm	ppm	ppm	Cts/S	Cts/S	ppm
Avg	**-.00019**	**.18708**	**.00052**	**.00022**	**.00034**	*****	*****	**.00139**
Stddev	.00024	.00024	.00012	.00073	.00005	-----	-----	.00020
%RSD	124.76	.12953	22.851	334.11	13.325	-----	-----	14.428
#1	-.00002	.18725	.00044	-.00030	.00037	7533.	21980.	.00125
#2	-.00036	.18691	.00060	.00074	.00031	7532.	21940.	.00153
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	None	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	**4450.9**	**7773.8**	**46445.**	**14099.**
Stddev	3.4	2.2	11.	9.
%RSD	.07741	.02841	.02460	.06222
#1	4448.5	7775.4	46453.	14093.
#2	4453.3	7772.2	46436.	14105.

Sample Name: 480-18356-A-5-A Acquired: 4/12/2012 17:08:48 Type: Unk
Method: ICAP2 2012(v35) Mode: CONC Corr. Factor: 1.000000
User: LMH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	As1937	As1972	B_2089	Ba4554-2	Be3130	Ca3179
Line	328.068 {103}	308.215 {109}	189.042 {478}	193.759 {474}	197.262 {471}	208.959 {461}	455.403 { 74}2	313.042 {108}	317.933 {106}
IS Ref	(Y_3600)	(Y_3774)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3774)	(Y_3774)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00075**	**.05829**	**.00165**	**-.0005**	**-.0029**	**.56175**	**.26513**	**-.00005**	**143.61**
Stddev	.00068	.00258	.00030	.0011	.0015	.00112	.00033	.00002	.71
%RSD	90.550	4.4330	18.028	236.6	50.73	.20016	.12263	30.618	.49635
#1	-.00027	.06012	.00186	.0003	-.0040	.56096	.26490	-.00004	143.10
#2	-.00123	.05646	.00144	-.0012	-.0019	.56255	.26536	-.00006	144.11
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Cd2288	Co2286	Cr2677	Cu3247	Fe2599	K_7664	K_7664-2	Li6707	Mg2790
Line	228.802 {447}	228.616 {447}	267.716 {126}	324.754 {104}	259.940 {130}	766.490 { 44}	766.490 { 44}2	670.784 { 50}	279.079 {121}2
IS Ref	(Y_2243)	(In2306)	(Y_3600)	(Y_3600)	(Y_3774)	(Y_3774)	(Y_3600)	(Y_3774)	(Y_3600)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00059**	**.00259**	**-.00006**	**.00758**	**.03300**	**1.9023**	**2.0480**	**.00587**	**85.347**
Stddev	.00014	.00018	.00019	.00000	.00094	.0304	.0098	.00095	.419
%RSD	24.321	7.1295	300.08	.03926	2.8360	1.5979	.47988	16.259	.49149
#1	.00069	.00246	.00007	.00759	.03234	1.8808	2.0410	.00519	85.050
#2	.00049	.00272	-.00020	.00758	.03366	1.9238	2.0549	.00654	85.644
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Mn2576	Mo2020	Na8183	Ni2316	Pb2203	S_1820	Sb2068	Se1960	Si2881
Line	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}2
IS Ref	(Y_3600)	(Y_2243)	(Y_3774)	(In2306)	(In2306)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3774)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.20267**	**.00000**	**63.426**	**.01450**	**-.00015**	**6.7422**	**.00151**	**-.00288**	**9.3309**
Stddev	.00033	.00004	.846	.00069	.00013	.0099	.00196	.00069	.0885
%RSD	.16452	2401.8	1.3344	4.7701	90.997	.14748	129.94	23.814	.94891
#1	.20244	.00003	62.828	.01401	-.00005	6.7352	.00012	-.00239	9.2683
#2	.20291	-.00002	64.024	.01499	-.00024	6.7492	.00289	-.00336	9.3935
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Y_3600-2	Y_3710	Zn2062
Line	189.989 {477}	407.771 { 83}	334.904 {101}	190.856 {477}	292.402 {115}	360.073 { 94}2	371.030 { 91}	206.200 {163}
IS Ref	(In2306)	(Y_3774)	(Y_3600)	(In2306)	(Y_3600)	(none)	(none)	(Y_3600)
Units	ppm	ppm	ppm	ppm	ppm	Cts/S	Cts/S	ppm
Avg	**-.00014**	**.15974**	**.00251**	**.00038**	**.00171**	*****	*****	**.00128**
Stddev	.00110	.00136	.00036	.00050	.00046	-----	-----	.00050
%RSD	803.01	.84830	14.317	132.98	27.079	-----	-----	38.961
#1	.00064	.15878	.00277	.00002	.00204	7500.	21870.	.00093
#2	-.00092	.16070	.00226	.00073	.00138	7481.	21750.	.00163
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	None	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	**4341.1**	**7675.2**	**46086.**	**13977.**
Stddev	.7	15.6	212.	115.
%RSD	.01509	.20350	.46052	.82054
#1	4341.6	7686.2	46236.	14058.
#2	4340.7	7664.1	45936.	13895.

Sample Name: 480-18356-A-6-A Acquired: 4/12/2012 17:10:58 Type: Unk
Method: ICAP2 2012(v35) Mode: CONC Corr. Factor: 1.000000
User: LMH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	As1937	As1972	B_2089	Ba4554-2	Be3130	Ca3179
Line	328.068 {103}	308.215 {109}	189.042 {478}	193.759 {474}	197.262 {471}	208.959 {461}	455.403 { 74}2	313.042 {108}	317.933 {106}
IS Ref	(Y_3600)	(Y_3774)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3774)	(Y_3774)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00078**	**.06519**	**.00941**	**.0100**	**.0048**	**4.2519**	**.32965**	**.00004**	**98.594**
Stddev	.00064	.00983	.00190	.0009	.0029	.0056	.00086	.00001	.255
%RSD	82.756	15.087	20.166	8.700	60.40	.13108	.25985	20.887	.25850
#1	-.00123	.07214	.01075	.0094	.0069	4.2559	.33026	.00004	98.414
#2	-.00032	.05823	.00807	.0106	.0028	4.2480	.32905	.00005	98.774
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Cd2288	Co2286	Cr2677	Cu3247	Fe2599	K_7664	K_7664-2	Li6707	Mg2790
Line	228.802 {447}	228.616 {447}	267.716 {126}	324.754 {104}	259.940 {130}	766.490 { 44}	766.490 { 44}2	670.784 { 50}	279.079 {121}2
IS Ref	(Y_2243)	(In2306)	(Y_3600)	(Y_3600)	(Y_3774)	(Y_3774)	(Y_3600)	(Y_3774)	(Y_3600)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00051**	**.00251**	**.00184**	**.00118**	**2.2782**	**1.6586**	**2.0640**	**.00600**	**110.76**
Stddev	.00013	.00014	.00066	.00037	.0074	.0044	.0058	.00021	.55
%RSD	24.349	5.6932	35.949	31.632	.32430	.26444	.28146	3.4255	.49953
#1	.00043	.00261	.00137	.00092	2.2730	1.6555	2.0681	.00585	111.15
#2	.00060	.00241	.00231	.00145	2.2834	1.6617	2.0599	.00614	110.37
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Mn2576	Mo2020	Na8183	Ni2316	Pb2203	S_1820	Sb2068	Se1960	Si2881
Line	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}2
IS Ref	(Y_3600)	(Y_2243)	(Y_3774)	(In2306)	(In2306)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3774)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.23792**	**.00075**	**340.89**	**.06249**	**-.00044**	**18.116**	**.00101**	**-.00199**	**12.992**
Stddev	.00115	.00030	.28	.00006	.00034	.047	.00049	.00392	.085
%RSD	.48131	39.258	.08253	.09923	77.665	.25750	48.249	197.33	.65098
#1	.23872	.00096	341.09	.06244	-.00020	18.149	.00135	-.00476	12.933
#2	.23711	.00054	340.69	.06253	-.00069	18.083	.00066	.00079	13.052
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Y_3600-2	Y_3710	Zn2062
Line	189.989 {477}	407.771 { 83}	334.904 {101}	190.856 {477}	292.402 {115}	360.073 { 94}2	371.030 { 91}	206.200 {163}
IS Ref	(In2306)	(Y_3774)	(Y_3600)	(In2306)	(Y_3600)	(none)	(none)	(Y_3600)
Units	ppm	ppm	ppm	ppm	ppm	Cts/S	Cts/S	ppm
Avg	**-.00040**	**.12536**	**.00178**	**-.00095**	**.00081**	*****	*****	**.00133**
Stddev	.00051	.00016	.00037	.00020	.00107	-----	-----	.00025
%RSD	127.31	.12763	20.859	21.587	131.92	-----	-----	18.806
#1	-.00004	.12525	.00204	-.00109	.00005	7410.	21560.	.00115
#2	-.00076	.12547	.00152	-.00080	.00157	7367.	21430.	.00150
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	None	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	**4196.9**	**7505.7**	**44212.**	**13776.**
Stddev	7.0	7.9	104.	48.
%RSD	.16627	.10526	.23472	.34828
#1	4192.0	7500.1	44138.	13810.
#2	4201.8	7511.3	44285.	13742.

Sample Name: 480-18356-A-7-A Acquired: 4/12/2012 17:13:06 Type: Unk
Method: ICAP2 2012(v35) Mode: CONC Corr. Factor: 1.000000
User: LMH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	As1937	As1972	B_2089	Ba4554-2	Be3130	Ca3179
Line	328.068 {103}	308.215 {109}	189.042 {478}	193.759 {474}	197.262 {471}	208.959 {461}	455.403 { 74}2	313.042 {108}	317.933 {106}
IS Ref	(Y_3600)	(Y_3774)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3774)	(Y_3774)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00119**	**.04331**	**.00209**	**.0027**	**-.0027**	**.03493**	**.05785**	**.00011**	**99.050**
Stddev	.00030	.00473	.00364	.0023	.0006	.00077	.00002	.00007	.140
%RSD	25.121	10.911	174.00	83.96	22.37	2.1999	.03755	58.845	.14162
#1	-.00098	.03997	-.00048	.0043	-.0031	.03548	.05786	.00007	99.149
#2	-.00141	.04665	.00467	.0011	-.0023	.03439	.05783	.00016	98.951
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Cd2288	Co2286	Cr2677	Cu3247	Fe2599	K_7664	K_7664-2	Li6707	Mg2790
Line	228.802 {447}	228.616 {447}	267.716 {126}	324.754 {104}	259.940 {130}	766.490 { 44}	766.490 { 44}2	670.784 { 50}	279.079 {121}2
IS Ref	(Y_2243)	(In2306)	(Y_3600)	(Y_3600)	(Y_3774)	(Y_3774)	(Y_3600)	(Y_3774)	(Y_3600)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00052**	**.00045**	**.00072**	**.00294**	**.01636**	**1.3608**	**1.4346**	**.00783**	**76.785**
Stddev	.00006	.00024	.00032	.00034	.00306	.0217	.0013	.00166	.189
%RSD	11.453	53.631	43.865	11.434	18.688	1.5918	.09027	21.243	.24631
#1	.00048	.00061	.00050	.00270	.01419	1.3455	1.4355	.00900	76.919
#2	.00056	.00028	.00095	.00317	.01852	1.3761	1.4337	.00665	76.652
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Mn2576	Mo2020	Na8183	Ni2316	Pb2203	S_1820	Sb2068	Se1960	Si2881
Line	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}2
IS Ref	(Y_3600)	(Y_2243)	(Y_3774)	(In2306)	(In2306)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3774)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00304**	**.00153**	**136.03**	**.00456**	**.00025**	**35.747**	**.00154**	**.00087**	**9.4254**
Stddev	.00009	.00002	.93	.00031	.00107	.010	.00016	.00302	.0164
%RSD	3.0153	1.0005	.68393	6.8115	432.77	.02713	10.520	345.41	.17381
#1	.00311	.00154	136.69	.00478	-.00051	35.740	.00166	-.00126	9.4138
#2	.00298	.00152	135.37	.00434	.00101	35.754	.00143	.00301	9.4370
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Y_3600-2	Y_3710	Zn2062
Line	189.989 {477}	407.771 { 83}	334.904 {101}	190.856 {477}	292.402 {115}	360.073 { 94}2	371.030 { 91}	206.200 {163}
IS Ref	(In2306)	(Y_3774)	(Y_3600)	(In2306)	(Y_3600)	(none)	(none)	(Y_3600)
Units	ppm	ppm	ppm	ppm	ppm	Cts/S	Cts/S	ppm
Avg	**-.00047**	**.09174**	**.00152**	**.00033**	**.00119**	*****	*****	**.00280**
Stddev	.00025	.00003	.00046	.00008	.00078	-----	-----	.00018
%RSD	51.998	.03420	30.165	25.840	65.689	-----	-----	6.4815
#1	-.00065	.09172	.00119	.00027	.00174	7462.	21810.	.00293
#2	-.00030	.09176	.00184	.00039	.00064	7502.	21850.	.00267
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	None	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	**4335.1**	**7658.9**	**45717.**	**13986.**
Stddev	3.8	.2	298.	61.
%RSD	.08783	.00235	.65075	.43885
#1	4337.8	7658.8	45507.	13943.
#2	4332.4	7659.0	45927.	14030.

Sample Name: 480-18356-A-8-A Acquired: 4/12/2012 17:15:16 Type: Unk
Method: ICAP2 2012(v35) Mode: CONC Corr. Factor: 1.000000
User: LMH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	As1937	As1972	B_2089	Ba4554-2	Be3130	Ca3179
Line	328.068 {103}	308.215 {109}	189.042 {478}	193.759 {474}	197.262 {471}	208.959 {461}	455.403 { 74}2	313.042 {108}	317.933 {106}
IS Ref	(Y_3600)	(Y_3774)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3774)	(Y_3774)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00123**	**.05119**	**.00255**	**.0024**	**-.0025**	**.01628**	**.28453**	**.00006**	**136.28**
Stddev	.00091	.03016	.00183	.0010	.0006	.00058	.00152	.00001	.55
%RSD	74.409	58.909	71.575	39.27	24.76	3.5336	.53484	11.722	.40438
#1	-.00187	.07252	.00126	.0031	-.0030	.01669	.28346	.00007	136.67
#2	-.00058	.02987	.00384	.0018	-.0021	.01587	.28561	.00006	135.89
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Cd2288	Co2286	Cr2677	Cu3247	Fe2599	K_7664	K_7664-2	Li6707	Mg2790
Line	228.802 {447}	228.616 {447}	267.716 {126}	324.754 {104}	259.940 {130}	766.490 { 44}	766.490 { 44}2	670.784 { 50}	279.079 {121}2
IS Ref	(Y_2243)	(In2306)	(Y_3600)	(Y_3600)	(Y_3774)	(Y_3774)	(Y_3600)	(Y_3774)	(Y_3600)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00038**	**.00062**	**-.00057**	**.00137**	**.02648**	**1.2359**	**1.1505**	**.00685**	**76.668**
Stddev	.00008	.00003	.00009	.00038	.00253	.0170	.0093	.00017	.361
%RSD	22.510	4.3201	14.962	27.998	9.5377	1.3785	.80719	2.5362	.47105
#1	.00032	.00064	-.00051	.00110	.02827	1.2238	1.1439	.00672	76.413
#2	.00044	.00061	-.00063	.00164	.02470	1.2479	1.1570	.00697	76.924
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Mn2576	Mo2020	Na5895	Ni2316	Pb2203	S_1820	Sb2068	Se1960	Si2881
Line	257.610 {131}	202.030 {467}	589.592 { 57}	231.604 {446}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}2
IS Ref	(Y_3600)	(Y_2243)	(Y_3774)	(In2306)	(In2306)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3774)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00800**	**.00008**	**31.712**	**.00135**	**.00031**	**14.219**	**.00131**	**-.00090**	**11.870**
Stddev	.00002	.00004	.118	.00018	.00220	.014	.00059	.00023	.044
%RSD	.24005	45.326	.37339	13.686	718.09	.09869	44.938	25.999	.36978
#1	.00802	.00010	31.796	.00148	-.00125	14.209	.00089	-.00073	11.901
#2	.00799	.00005	31.629	.00122	.00186	14.229	.00173	-.00106	11.839
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Y_3600-2	Y_3710	Zn2062
Line	189.989 {477}	407.771 { 83}	334.904 {101}	190.856 {477}	292.402 {115}	360.073 { 94}2	371.030 { 91}	206.200 {163}
IS Ref	(In2306)	(Y_3774)	(Y_3600)	(In2306)	(Y_3600)	(none)	(none)	(Y_3600)
Units	ppm	ppm	ppm	ppm	ppm	Cts/S	Cts/S	ppm
Avg	**-.00021**	**.10331**	**.00181**	**-.00054**	**.00006**	*****	*****	**.00126**
Stddev	.00027	.00007	.00014	.00068	.00044	-----	-----	.00022
%RSD	131.77	.07194	7.5335	126.36	743.16	-----	-----	17.803
#1	-.00001	.10326	.00191	-.00006	-.00025	7400.	21630.	.00110
#2	-.00040	.10336	.00172	-.00102	.00037	7479.	21880.	.00141
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	None	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	**4371.4**	**7667.2**	**46449.**	**13906.**
Stddev	1.1	6.7	8.	118.
%RSD	.02619	.08728	.01813	.85188
#1	4372.2	7671.9	46443.	13823.
#2	4370.5	7662.4	46455.	13990.

Sample Name: 480-18356-A-9-A Acquired: 4/12/2012 17:17:21 Type: Unk
Method: ICAP2 2012(v35) Mode: CONC Corr. Factor: 1.000000
User: LMH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	As1937	As1972	B_2089	Ba4554-2	Be3130	Ca3179
Line	328.068 {103}	308.215 {109}	189.042 {478}	193.759 {474}	197.262 {471}	208.959 {461}	455.403 { 74}2	313.042 {108}	317.933 {106}
IS Ref	(Y_3600)	(Y_3774)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3774)	(Y_3774)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00135**	**.06938**	**.00104**	**.0015**	**-.0017**	**.02640**	**.09696**	**.00009**	**82.106**
Stddev	.00084	.00443	.00040	.0002	.0018	.00028	.00005	.00003	.024
%RSD	62.361	6.3898	38.307	13.91	111.0	1.0743	.04880	33.457	.02983
#1	-.00194	.07251	.00132	.0014	-.0030	.02660	.09692	.00011	82.123
#2	-.00075	.06624	.00076	.0016	-.0004	.02620	.09699	.00007	82.088
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Cd2288	Co2286	Cr2677	Cu3247	Fe2599	K_7664	K_7664-2	Li6707	Mg2790
Line	228.802 {447}	228.616 {447}	267.716 {126}	324.754 {104}	259.940 {130}	766.490 { 44}	766.490 { 44}2	670.784 { 50}	279.079 {121}2
IS Ref	(Y_2243)	(In2306)	(Y_3600)	(Y_3600)	(Y_3774)	(Y_3774)	(Y_3600)	(Y_3774)	(Y_3600)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00033**	**-.00009**	**-.00001**	**.00111**	**.02057**	**.62756**	**.43341**	**.00398**	**42.594**
Stddev	.00001	.00003	.00073	.00020	.00094	.01290	.00026	.00033	.098
%RSD	2.0334	35.783	7752.1	17.948	4.5553	2.0562	.05884	8.2077	.22939
#1	.00034	-.00011	-.00053	.00125	.02123	.63668	.43323	.00421	42.525
#2	.00033	-.00007	.00051	.00097	.01991	.61844	.43359	.00374	42.663
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Mn2576	Mo2020	Na5895	Ni2316	Pb2203	S_1820	Sb2068	Se1960	Si2881
Line	257.610 {131}	202.030 {467}	589.592 { 57}	231.604 {446}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}2
IS Ref	(Y_3600)	(Y_2243)	(Y_3774)	(In2306)	(In2306)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3774)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00112**	**.00037**	**12.223**	**.00136**	**-.00068**	**5.4271**	**.00007**	**.00231**	**6.2903**
Stddev	.00002	.00016	.011	.00008	.00153	.0129	.00119	.00043	.0147
%RSD	1.6784	41.738	.09298	6.1049	224.49	.23768	1682.0	18.471	.23296
#1	.00113	.00026	12.215	.00142	.00040	5.4180	-.00077	.00261	6.3007
#2	.00110	.00048	12.231	.00130	-.00176	5.4363	.00091	.00201	6.2800
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Y_3600-2	Y_3710	Zn2062
Line	189.989 {477}	407.771 { 83}	334.904 {101}	190.856 {477}	292.402 {115}	360.073 { 94}2	371.030 { 91}	206.200 {163}
IS Ref	(In2306)	(Y_3774)	(Y_3600)	(In2306)	(Y_3600)	(none)	(none)	(Y_3600)
Units	ppm	ppm	ppm	ppm	ppm	Cts/S	Cts/S	ppm
Avg	**-.00056**	**.05639**	**.00141**	**.00071**	**.00169**	*****	*****	**.00093**
Stddev	.00046	.00009	.00036	.00052	.00111	-----	-----	.00007
%RSD	82.670	.16116	25.730	73.372	65.597	-----	-----	7.2780
#1	-.00023	.05633	.00166	.00108	.00091	7530.	22020.	.00097
#2	-.00089	.05646	.00115	.00034	.00247	7541.	22070.	.00088
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	None	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	**4530.0**	**7889.4**	**47727.**	**14129.**
Stddev	3.2	2.3	88.	3.
%RSD	.07172	.02865	.18502	.01795
#1	4527.7	7891.0	47789.	14131.
#2	4532.3	7887.8	47664.	14127.

Sample Name: CCV Acquired: 4/12/2012 17:19:27 Type: QC
Method: ICAP2 2012(v35) Mode: CONC Corr. Factor: 1.000000
User: LMH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	As1937	As1972	B_2089	Ba4554-2	Be3130	Ca3179	Cd2288	Co2286	Cr2677	Cu3247
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.49622**	**24.933**	**.49695**	**.4981**	**.4934**	**.49479**	**.51125**	**.48464**	**24.455**	**.49736**	**.48746**	**.50698**	**.50082**
Stddev	.00077	.076	.00307	.0005	.0007	.00050	.00057	.00087	.021	.00057	.00162	.00070	.00171
%RSD	.15584	.30563	.61716	.1050	.1376	.10024	.11092	.17990	.08782	.11381	.33181	.13806	.34106
#1	.49568	24.879	.49912	.4985	.4939	.49444	.51084	.48526	24.439	.49696	.48860	.50747	.49961
#2	.49677	24.987	.49479	.4978	.4930	.49514	.51165	.48403	24.470	.49776	.48632	.50648	.50202
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	Fe2599	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	ppm
Avg	**24.463**	**25.733**	**24.592**	**.51613**	**24.951**	**.51429**	**.51082**	**25.369**	**.49569**	**.49464**	**24.904**	**.50784**	**.49809**
Stddev	.018	.015	.154	.00033	.009	.00064	.00025	.012	.00069	.00090	.003	.00021	.00028
%RSD	.07367	.05800	.62472	.06466	.03592	.12416	.04914	.04843	.13974	.18236	.01110	.04173	.05569
#1	24.451	25.722	24.701	.51589	24.957	.51384	.51100	25.378	.49618	.49528	24.902	.50799	.49790
#2	24.476	25.743	24.484	.51636	24.945	.51474	.51064	25.360	.49520	.49400	24.906	.50769	.49829
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	Si2881	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Y_3600-2	Y_3710	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm	Cts/S	Cts/S	ppm
Avg	**23.987**	**.52213**	**.49867**	**.50408**	**.51068**	**.50609**	z *****	z *****	**.51833**
Stddev	.084	.00121	.00004	.00197	.00291	.00081	-----	-----	.00119
%RSD	.34850	.23158	.00712	.39065	.56909	.15967	-----	-----	.23032
#1	23.928	.52299	.49864	.50269	.51274	.50552	z 7487.	z 21830.	.51748
#2	24.047	.52128	.49869	.50547	.50863	.50666	z 7495.	z 21860.	.51917
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	None	Chk Pass
Value									
Range									

Int. Std.	In2306	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**4507.9**	**7888.3**	**47555.**	**13992.**
Stddev	5.5	2.6	196.	22.
%RSD	.12114	.03309	.41289	.15698
#1	4504.0	7890.1	47416.	13976.
#2	4511.7	7886.4	47693.	14007.

Sample Name: CCB Acquired: 4/12/2012 17:21:24 Type: QC
Method: ICAP2 2012(v35) Mode: CONC Corr. Factor: 1.000000
User: LMH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	As1937	As1972	B_2089	Ba4554-2	Be3130	Ca3179	Cd2288	Co2286	Cr2677	Cu3247
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00110**	**.02178**	**-.00031**	**.0007**	**-.0016**	**.00242**	**.00007**	**.00004**	**.01944**	**.00016**	**.00013**	**-.00054**	**-.00030**
Stddev	.00036	.03747	.00040	.0017	.0006	.00030	.00000	.00002	.00013	.00001	.00038	.00011	.00025
%RSD	32.458	172.09	129.78	242.3	37.07	12.327	4.9265	39.674	.67597	4.4808	289.78	20.404	82.079
#1	-.00135	.04827	-.00003	.0019	-.0012	.00263	.00007	.00005	.01934	.00015	-.00014	-.00046	-.00048
#2	-.00084	-.00472	-.00059	-.0005	-.0020	.00221	.00006	.00003	.01953	.00016	.00040	-.00062	-.00013
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	Fe2599	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	ppm
Avg	**.00275**	**.13551**	**.00286**	**.00076**	**.00900**	**.00008**	**.00005**	**.08730**	**.00052**	**.00028**	**-.00091**	**.00304**	**-.00160**
Stddev	.00241	.00415	.00063	.00017	.00063	.00000	.00011	.00182	.00086	.00030	.00198	.00024	.00211
%RSD	87.370	3.0592	22.122	22.942	7.0397	5.4064	221.34	2.0858	166.39	105.41	217.87	7.8023	131.67
#1	.00445	.13844	.00331	.00088	.00945	.00008	.00013	.08858	.00113	.00050	.00049	.00287	-.00309
#2	.00105	.13258	.00241	.00064	.00856	.00008	-.00003	.08601	-.00009	.00007	-.00231	.00321	-.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	Si2881	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Y_3600-2	Y_3710	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm	Cts/S	Cts/S	ppm
Avg	**.00263**	**.00031**	**.00020**	**-.00027**	**.00040**	**.00022**	z *****	z *****	**.00000**
Stddev	.01643	.00057	.00001	.00011	.00052	.00096	-----	-----	.0002
%RSD	624.34	184.67	5.6387	39.812	131.06	440.66	-----	-----	8073.5
#1	.01425	.00071	.00021	-.00019	.00003	.00089	z 7618.	z 22160.	-.00013
#2	-.00899	-.00009	.00019	-.00035	.00076	-.00046	z 7547.	z 22080.	.00013
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	None	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	**4716.1**	**8046.1**	**49038.**	**14201.**
Stddev	5.0	8.8	41.	44.
%RSD	.10686	.10933	.08358	.31279
#1	4719.7	8052.3	49067.	14232.
#2	4712.6	8039.9	49009.	14169.

Sample Name: 480-18356-A-10-A Acquired: 4/12/2012 17:23:33 Type: Unk
Method: ICAP2 2012(v35) Mode: CONC Corr. Factor: 1.000000
User: LMH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	As1937	As1972	B_2089	Ba4554-2	Be3130	Ca3179
Line	328.068 {103}	308.215 {109}	189.042 {478}	193.759 {474}	197.262 {471}	208.959 {461}	455.403 { 74}2	313.042 {108}	317.933 {106}
IS Ref	(Y_3600)	(Y_3774)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3774)	(Y_3774)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00101**	**.06386**	**.00046**	**.0002**	**-.0007**	**.01512**	**.25303**	**.00009**	**77.895**
Stddev	.00025	.01696	.00059	.0005	.0029	.00005	.00029	.00005	.369
%RSD	24.363	26.563	127.89	213.7	446.4	.32619	.11584	52.015	.47401
#1	-.00084	.07585	.00088	.0006	-.0027	.01515	.25324	.00005	77.634
#2	-.00118	.05186	.00004	-.0001	.0014	.01508	.25282	.00012	78.157
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Cd2288	Co2286	Cr2677	Cu3247	Fe2599	K_7664	K_7664-2	Li6707	Mg2790
Line	228.802 {447}	228.616 {447}	267.716 {126}	324.754 {104}	259.940 {130}	766.490 { 44}	766.490 { 44}2	670.784 { 50}	279.079 {121}2
IS Ref	(Y_2243)	(In2306)	(Y_3600)	(Y_3600)	(Y_3774)	(Y_3774)	(Y_3600)	(Y_3774)	(Y_3600)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00039**	**.00568**	**.00000**	**.00048**	**.01959**	**1.3183**	**1.1846**	**.00563**	**45.248**
Stddev	.00005	.00013	.0002	.00047	.00033	.0281	.0012	.00082	.043
%RSD	12.903	2.3392	5193.4	98.150	1.6672	2.1283	.10337	14.612	.09468
#1	.00042	.00577	-.00012	.00015	.01983	1.2985	1.1855	.00505	45.217
#2	.00035	.00559	.00011	.00082	.01936	1.3381	1.1837	.00621	45.278
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Mn2576	Mo2020	Na5895	Ni2316	Pb2203	S_1820	Sb2068	Se1960	Si2881
Line	257.610 {131}	202.030 {467}	589.592 { 57}	231.604 {446}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}2
IS Ref	(Y_3600)	(Y_2243)	(Y_3774)	(In2306)	(In2306)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3774)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.36715**	**.00088**	**4.7922**	**.00226**	**.00042**	**7.4832**	**.00107**	**-.00209**	**7.3818**
Stddev	.00081	.00001	.0226	.00012	.00013	.0194	.00027	.00385	.0794
%RSD	.22144	.88905	.47089	5.3842	31.046	.25987	25.011	184.53	1.0753
#1	.36657	.00088	4.7762	.00217	.00052	7.4694	.00088	-.00481	7.3257
#2	.36772	.00089	4.8081	.00235	.00033	7.4969	.00126	.00064	7.4380
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Y_3600-2	Y_3710	Zn2062
Line	189.989 {477}	407.771 { 83}	334.904 {101}	190.856 {477}	292.402 {115}	360.073 { 94}2	371.030 { 91}	206.200 {163}
IS Ref	(In2306)	(Y_3774)	(Y_3600)	(In2306)	(Y_3600)	(none)	(none)	(Y_3600)
Units	ppm	ppm	ppm	ppm	ppm	Cts/S	Cts/S	ppm
Avg	**-.00015**	**.08681**	**.00109**	**.00078**	**-.00004**	*****	*****	**.00117**
Stddev	.00002	.00043	.00020	.00020	.00054	-----	-----	.00020
%RSD	10.866	.49566	18.722	25.299	1366.8	-----	-----	16.938
#1	-.00013	.08651	.00124	.00092	-.00042	7446.	21690.	.00103
#2	-.00016	.08712	.00095	.00064	.00034	7526.	21940.	.00131
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	None	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	**4500.1**	**7823.9**	**47089.**	**13977.**
Stddev	1.8	9.1	61.	122.
%RSD	.03930	.11673	.12865	.87611
#1	4498.8	7830.4	47132.	13890.
#2	4501.3	7817.5	47046.	14063.

Sample Name: 480-18361-B-1-A Acquired: 4/12/2012 17:25:40 Type: Unk
Method: ICAP2 2012(v35) Mode: CONC Corr. Factor: 1.000000
User: LMH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	As1937	As1972	B_2089	Ba4554-2	Be3130	Ca3179
Line	328.068 {103}	308.215 {109}	189.042 {478}	193.759 {474}	197.262 {471}	208.959 {461}	455.403 { 74}2	313.042 {108}	317.933 {106}
IS Ref	(Y_3600)	(Y_3774)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3774)	(Y_3774)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00137**	**.25682**	**.00117**	**.0016**	**.0007**	**.11878**	**.08117**	**.00035**	**.47023**
Stddev	.00044	.00401	.00160	.0011	.0010	.00098	.00001	.00005	.00057
%RSD	32.014	1.5598	136.82	70.73	142.0	.82663	.01506	13.397	.12092
#1	-.00106	.25965	.00230	.0024	.0000	.11809	.08117	.00039	.47064
#2	-.00168	.25398	.00004	.0008	.0014	.11947	.08118	.00032	.46983
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Cd2288	Co2286	Cr2677	Cu3247	Fe2599	K_7664	K_7664-2	Li6707	Mg2790
Line	228.802 {447}	228.616 {447}	267.716 {126}	324.754 {104}	259.940 {130}	766.490 { 44}	766.490 { 44}2	670.784 { 50}	279.079 {121}2
IS Ref	(Y_2243)	(In2306)	(Y_3600)	(Y_3600)	(Y_3774)	(Y_3774)	(Y_3600)	(Y_3774)	(Y_3600)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00023**	**.09222**	**-.00074**	**.00330**	**.01810**	**5.6794**	**4.9814**	**.00198**	**4.5566**
Stddev	.00008	.00024	.00050	.00003	.00121	.0110	.0921	.00050	.0091
%RSD	37.438	.26147	67.679	.77204	6.6830	.19290	1.8478	25.479	.20064
#1	.00017	.09205	-.00110	.00332	.01895	5.6871	4.9163	.00234	4.5631
#2	.00029	.09239	-.00039	.00328	.01724	5.6716	5.0465	.00162	4.5501
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Mn2576	Mo2020	Na5895	Ni2316	Pb2203	S_1820	Sb2068	Se1960	Si2881
Line	257.610 {131}	202.030 {467}	589.592 { 57}	231.604 {446}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}2
IS Ref	(Y_3600)	(Y_2243)	(Y_3774)	(In2306)	(In2306)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3774)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.76969**	**.00002**	**20.960**	**.00231**	**.00096**	**15.066**	**-.00135**	**.00066**	**5.1396**
Stddev	.00037	.00012	.028	.00021	.00053	.047	.00133	.00002	.0367
%RSD	.04757	558.00	.13294	9.1055	55.385	.31406	98.202	2.8500	.71323
#1	.76995	-.00007	20.980	.00216	.00058	15.033	-.00041	.00067	5.1655
#2	.76943	.00011	20.941	.00246	.00133	15.100	-.00229	.00064	5.1136
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Y_3600-2	Y_3710	Zn2062
Line	189.989 {477}	407.771 { 83}	334.904 {101}	190.856 {477}	292.402 {115}	360.073 { 94}2	371.030 { 91}	206.200 {163}
IS Ref	(In2306)	(Y_3774)	(Y_3600)	(In2306)	(Y_3600)	(none)	(none)	(Y_3600)
Units	ppm	ppm	ppm	ppm	ppm	Cts/S	Cts/S	ppm
Avg	**-.00015**	**.00871**	**.00064**	**.00046**	**-.00031**	*****	*****	**.00743**
Stddev	.00021	.00025	.00043	.00074	.00018	-----	-----	.00002
%RSD	138.28	2.8434	67.818	161.66	60.351	-----	-----	.26582
#1	.00000	.00888	.00033	.00098	-.00018	7651.	22310.	.00742
#2	-.00030	.00853	.00095	-.00007	-.00044	7667.	22330.	.00744
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	None	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	**4703.9**	**8087.3**	**48950.**	**14302.**
Stddev	20.1	31.5	30.	29.
%RSD	.42632	.38958	.06140	.20020
#1	4718.1	8109.6	48928.	14282.
#2	4689.7	8065.0	48971.	14322.

Sample Name: 480-18361-B-2-A Acquired: 4/12/2012 17:27:54 Type: Unk
Method: ICAP2 2012(v35) Mode: CONC Corr. Factor: 1.000000
User: LMH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	As1937	As1972	B_2089	Ba4554-2	Be3130	Ca3179
Line	328.068 {103}	308.215 {109}	189.042 {478}	193.759 {474}	197.262 {471}	208.959 {461}	455.403 { 74}2	313.042 {108}	317.933 {106}
IS Ref	(Y_3600)	(Y_3774)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3774)	(Y_3774)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00095**	**.09108**	**.00243**	**.0015**	**-.0013**	**.00981**	**.00043**	**.00007**	**.24196**
Stddev	.00037	.02446	.00116	.0004	.0010	.00045	.00004	.00004	.00332
%RSD	38.838	26.850	47.655	29.88	78.73	4.6103	8.8566	56.822	1.3725
#1	-.00121	.07379	.00324	.0012	-.0006	.01013	.00046	.00010	.23961
#2	-.00069	.10838	.00161	.0018	-.0020	.00949	.00040	.00004	.24430
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Cd2288	Co2286	Cr2677	Cu3247	Fe2599	K_7664	K_7664-2	Li6707	Mg2790
Line	228.802 {447}	228.616 {447}	267.716 {126}	324.754 {104}	259.940 {130}	766.490 { 44}	766.490 { 44}2	670.784 { 50}	279.079 {121}2
IS Ref	(Y_2243)	(In2306)	(Y_3600)	(Y_3600)	(Y_3774)	(Y_3774)	(Y_3600)	(Y_3774)	(Y_3600)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00023**	**.00018**	**-.00042**	**.00019**	**.01496**	**.14993**	**.01678**	**.00309**	**.02664**
Stddev	.00006	.00009	.00010	.00008	.00264	.05181	.00002	.00215	.00150
%RSD	25.726	47.383	24.575	43.130	17.626	34.557	.11183	69.346	5.6337
#1	.00019	.00012	-.00050	.00013	.01309	.18657	.01676	.00461	.02771
#2	.00027	.00025	-.00035	.00025	.01682	.11330	.01679	.00158	.02558
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Mn2576	Mo2020	Na5895	Ni2316	Pb2203	S_1820	Sb2068	Se1960	Si2881
Line	257.610 {131}	202.030 {467}	589.592 { 57}	231.604 {446}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}2
IS Ref	(Y_3600)	(Y_2243)	(Y_3774)	(In2306)	(In2306)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3774)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00031**	**.00008**	**.56407**	**.00049**	**.00128**	**.01379**	**.00005**	**-.00162**	**.15186**
Stddev	.00003	.00015	.00561	.00048	.00019	.00370	.00067	.00388	.01432
%RSD	10.238	188.00	.99511	98.253	14.827	26.858	1406.5	239.63	9.4270
#1	.00033	.00018	.56010	.00084	.00114	.01117	.00052	-.00436	.16198
#2	.00029	-.00003	.56804	.00015	.00141	.01641	-.00042	.00112	.14173
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Y_3600-2	Y_3710	Zn2062
Line	189.989 {477}	407.771 { 83}	334.904 {101}	190.856 {477}	292.402 {115}	360.073 { 94}2	371.030 { 91}	206.200 {163}
IS Ref	(In2306)	(Y_3774)	(Y_3600)	(In2306)	(Y_3600)	(none)	(none)	(Y_3600)
Units	ppm	ppm	ppm	ppm	ppm	Cts/S	Cts/S	ppm
Avg	**-.00001**	**.00114**	**-.00039**	**-.00040**	**-.00055**	*****	*****	**.00174**
Stddev	.00031	.00006	.00067	.00030	.00001	-----	-----	.00041
%RSD	2823.3	5.2225	170.47	76.382	2.4094	-----	-----	23.243
#1	.00021	.00110	-.00087	-.00018	-.00056	7609.	22230.	.00203
#2	-.00023	.00119	.00008	-.00061	-.00054	7591.	22140.	.00146
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	None	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	**4720.7**	**8091.6**	**49469.**	**14192.**
Stddev	5.6	5.0	51.	71.
%RSD	.11871	.06149	.10286	.49786
#1	4716.7	8088.1	49505.	14242.
#2	4724.6	8095.2	49433.	14142.

Sample Name: 480-18368-D-1-A Acquired: 4/12/2012 17:30:05 Type: Unk
Method: ICAP2 2012(v35) Mode: CONC Corr. Factor: 1.000000
User: LMH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	As1937	As1972	B_2089	Ba4554-2	Be3130	Ca3179
Line	328.068 {103}	308.215 {109}	189.042 {478}	193.759 {474}	197.262 {471}	208.959 {461}	455.403 { 74}2	313.042 {108}	317.933 {106}
IS Ref	(Y_3600)	(Y_3774)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3774)	(Y_3774)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00068**	**.05726**	**-.00001**	**.0013**	**-.0065**	**.01335**	**.18260**	**.00014**	**40.246**
Stddev	.00028	.02656	.00040	.0014	.0018	.00016	.00010	.00006	.087
%RSD	40.823	46.390	5200.5	105.6	27.13	1.1863	.05669	42.362	.21623
#1	-.00048	.03848	-.00029	.0023	-.0077	.01324	.18252	.00018	40.185
#2	-.00087	.07605	.00027	.0003	-.0052	.01346	.18267	.00010	40.308
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Cd2288	Co2286	Cr2677	Cu3247	Fe2599	K_7664	K_7664-2	Li6707	Mg2790
Line	228.802 {447}	228.616 {447}	267.716 {126}	324.754 {104}	259.940 {130}	766.490 { 44}	766.490 { 44}2	670.784 { 50}	279.079 {121}2
IS Ref	(Y_2243)	(In2306)	(Y_3600)	(Y_3600)	(Y_3774)	(Y_3774)	(Y_3600)	(Y_3774)	(Y_3600)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00024**	**.00187**	**-.00020**	**.00185**	**.01576**	**3.8430**	**3.6982**	**.00216**	**17.735**
Stddev	.00007	.00001	.00065	.00089	.00205	.0207	.0059	.00069	.011
%RSD	30.357	.48959	332.20	48.145	12.982	.53935	.15897	31.863	.06144
#1	.00018	.00188	.00026	.00248	.01720	3.8576	3.7023	.00167	17.742
#2	.00029	.00187	-.00066	.00122	.01431	3.8283	3.6940	.00265	17.727
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Mn2576	Mo2020	Na5895	Ni2316	Pb2203	S_1820	Sb2068	Se1960	Si2881
Line	257.610 {131}	202.030 {467}	589.592 { 57}	231.604 {446}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}2
IS Ref	(Y_3600)	(Y_2243)	(Y_3774)	(In2306)	(In2306)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3774)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00063**	**.00006**	**26.769**	**.00434**	**-.00025**	**22.193**	**-.00019**	**-.00112**	**5.5873**
Stddev	.00003	.00001	.108	.00007	.00087	.068	.00112	.00183	.0229
%RSD	4.0537	18.690	.40482	1.5904	342.68	.30719	578.07	163.25	.40931
#1	.00061	.00005	26.692	.00429	.00036	22.145	.00060	-.00242	5.5711
#2	.00065	.00007	26.846	.00439	-.00087	22.241	-.00098	.00017	5.6035
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Y_3600-2	Y_3710	Zn2062
Line	189.989 {477}	407.771 { 83}	334.904 {101}	190.856 {477}	292.402 {115}	360.073 { 94}2	371.030 { 91}	206.200 {163}
IS Ref	(In2306)	(Y_3774)	(Y_3600)	(In2306)	(Y_3600)	(none)	(none)	(Y_3600)
Units	ppm	ppm	ppm	ppm	ppm	Cts/S	Cts/S	ppm
Avg	**-.00055**	**.37583**	**.00098**	**.00098**	**-.00021**	*****	*****	**.00431**
Stddev	.00043	.00047	.00046	.00012	.00002	-----	-----	.00057
%RSD	78.538	.12483	47.594	11.926	9.6757	-----	-----	13.137
#1	-.00024	.37550	.00131	.00090	-.00019	7538.	22070.	.00471
#2	-.00085	.37616	.00065	.00106	-.00022	7515.	21880.	.00391
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	None	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	**4584.8**	**7923.0**	**47644.**	**14085.**
Stddev	17.4	19.8	21.	140.
%RSD	.37870	.24993	.04374	.99564
#1	4572.5	7909.0	47659.	14184.
#2	4597.1	7937.0	47629.	13986.

Sample Name: 480-18368-D-2-A Acquired: 4/12/2012 17:32:12 Type: Unk
Method: ICAP2 2012(v35) Mode: CONC Corr. Factor: 1.000000
User: LMH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	As1937	As1972	B_2089	Ba4554-2	Be3130	Ca3179
Line	328.068 {103}	308.215 {109}	189.042 {478}	193.759 {474}	197.262 {471}	208.959 {461}	455.403 { 74}2	313.042 {108}	317.933 {106}
IS Ref	(Y_3600)	(Y_3774)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3774)	(Y_3774)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00002**	**.08064**	**.00007**	**.0018**	**-.0010**	**.01407**	**.01321**	**.00014**	**2.7640**
Stddev	.00073	.00360	.00331	.0001	.0005	.00009	.00003	.00005	.0023
%RSD	3310.4	4.4664	4805.7	8.546	49.53	.60558	.24640	36.846	.08283
#1	.00054	.08319	-.00227	.0016	-.0006	.01401	.01324	.00011	2.7656
#2	-.00050	.07810	.00241	.0019	-.0013	.01413	.01319	.00018	2.7624
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Cd2288	Co2286	Cr2677	Cu3247	Fe2599	K_7664	K_7664-2	Li6707	Mg2790
Line	228.802 {447}	228.616 {447}	267.716 {126}	324.754 {104}	259.940 {130}	766.490 { 44}	766.490 { 44}2	670.784 { 50}	279.079 {121}2
IS Ref	(Y_2243)	(In2306)	(Y_3600)	(Y_3600)	(Y_3774)	(Y_3774)	(Y_3600)	(Y_3774)	(Y_3600)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00023**	**.00558**	**-.00017**	**.00077**	**.01803**	**1.1928**	**.81406**	**.00523**	**.94573**
Stddev	.00014	.00008	.00024	.00040	.00170	.0267	.00145	.00008	.00854
%RSD	58.504	1.4611	141.46	52.357	9.4178	2.2417	.17780	1.5996	.90266
#1	.00033	.00563	-.00034	.00106	.01923	1.2117	.81304	.00529	.93969
#2	.00014	.00552	.00000	.00048	.01683	1.1739	.81508	.00517	.95177
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Mn2576	Mo2020	Na5895	Ni2316	Pb2203	S_1820	Sb2068	Se1960	Si2881
Line	257.610 {131}	202.030 {467}	589.592 { 57}	231.604 {446}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}2
IS Ref	(Y_3600)	(Y_2243)	(Y_3774)	(In2306)	(In2306)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3774)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00212**	**.00014**	**3.9381**	**.00806**	**-.00088**	**.20873**	**.00075**	**-.00061**	**5.3465**
Stddev	.00006	.00010	.0122	.00016	.00074	.00343	.00149	.00113	.0150
%RSD	2.8651	73.750	.30885	1.9372	83.549	1.6429	198.01	183.41	.28060
#1	.00208	.00007	3.9467	.00795	-.00140	.20631	-.00030	-.00141	5.3359
#2	.00217	.00021	3.9295	.00817	-.00036	.21116	.00181	.00018	5.3571
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Y_3600-2	Y_3710	Zn2062
Line	189.989 {477}	407.771 { 83}	334.904 {101}	190.856 {477}	292.402 {115}	360.073 { 94}2	371.030 { 91}	206.200 {163}
IS Ref	(In2306)	(Y_3774)	(Y_3600)	(In2306)	(Y_3600)	(none)	(none)	(Y_3600)
Units	ppm	ppm	ppm	ppm	ppm	Cts/S	Cts/S	ppm
Avg	**-.00041**	**.02920**	**.00032**	**.00030**	**-.00004**	*****	*****	**.01059**
Stddev	.00017	.00018	.00056	.00130	.00112	-----	-----	.00010
%RSD	41.441	.61047	174.67	426.94	2642.7	-----	-----	.95734
#1	-.00029	.02933	.00071	-.00062	.00075	7571.	22180.	.01052
#2	-.00052	.02908	-.00008	.00123	-.00084	7611.	22240.	.01067
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	None	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	**4737.4**	**8087.2**	**49265.**	**14279.**
Stddev	3.3	7.7	44.	50.
%RSD	.06896	.09471	.08960	.34736
#1	4735.1	8081.7	49296.	14244.
#2	4739.8	8092.6	49233.	14314.

Sample Name: 480-18366-D-4-A Acquired: 4/12/2012 17:34:19 Type: Unk
Method: ICAP2 2012(v35) Mode: CONC Corr. Factor: 1.000000
User: LMH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	As1937	As1972	B_2089	Ba4554-2	Be3130	Ca3179
Line	328.068 {103}	308.215 {109}	189.042 {478}	193.759 {474}	197.262 {471}	208.959 {461}	455.403 { 74}2	313.042 {108}	317.933 {106}
IS Ref	(Y_3600)	(Y_3774)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3774)	(Y_3774)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00107**	**.04806**	**.00236**	**.0005**	**-.0011**	**.02721**	**.03942**	**.00009**	**8.0574**
Stddev	.00036	.01479	.00024	.0014	.0009	.00088	.00003	.00001	.2522
%RSD	33.732	30.766	10.160	268.5	85.12	3.2455	.08791	6.4492	3.1306
#1	-.00081	.03761	.00219	-.0005	-.0004	.02784	.03940	.00009	7.8790
#2	-.00132	.05852	.00253	.0015	-.0018	.02659	.03945	.00009	8.2357
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Cd2288	Co2286	Cr2677	Cu3247	Fe2599	K_7664	K_7664-2	Li6707	Mg2790
Line	228.802 {447}	228.616 {447}	267.716 {126}	324.754 {104}	259.940 {130}	766.490 { 44}	766.490 { 44}2	670.784 { 50}	279.079 {121}2
IS Ref	(Y_2243)	(In2306)	(Y_3600)	(Y_3600)	(Y_3774)	(Y_3774)	(Y_3600)	(Y_3774)	(Y_3600)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00024**	**.00317**	**-.00078**	**.00067**	**7.1494**	**1.9582**	**1.4795**	**.00095**	**2.7212**
Stddev	.00002	.00017	.00024	.00007	.2200	.0618	.0047	.00095	.0092
%RSD	8.8756	5.2782	30.873	11.252	3.0772	3.1573	.31779	100.58	.33894
#1	.00025	.00328	-.00095	.00072	6.9939	1.9144	1.4762	.00162	2.7277
#2	.00022	.00305	-.00061	.00061	7.3050	2.0019	1.4828	.00027	2.7147
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Mn2576	Mo2020	Na5895	Ni2316	Pb2203	S_1820	Sb2068	Se1960	Si2881
Line	257.610 {131}	202.030 {467}	589.592 { 57}	231.604 {446}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}2
IS Ref	(Y_3600)	(Y_2243)	(Y_3774)	(In2306)	(In2306)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3774)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.07439**	**.00006**	**3.1373**	**.00369**	**.00083**	**.69795**	**.00140**	**.00110**	**4.6844**
Stddev	.00001	.00015	.0846	.00004	.00005	.01506	.00125	.00271	.1217
%RSD	.00848	251.76	2.6976	1.1873	5.4504	2.1584	89.676	246.15	2.5983
#1	.07439	-.00005	3.0774	.00366	.00080	.70861	.00229	.00302	4.5984
#2	.07438	.00017	3.1971	.00372	.00087	.68730	.00051	-.00082	4.7705
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Y_3600-2	Y_3710	Zn2062
Line	189.989 {477}	407.771 { 83}	334.904 {101}	190.856 {477}	292.402 {115}	360.073 { 94}2	371.030 { 91}	206.200 {163}
IS Ref	(In2306)	(Y_3774)	(Y_3600)	(In2306)	(Y_3600)	(none)	(none)	(Y_3600)
Units	ppm	ppm	ppm	ppm	ppm	Cts/S	Cts/S	ppm
Avg	**-.00045**	**.09037**	**.00010**	**.00038**	**-.00019**	*****	*****	**.00120**
Stddev	.00019	.00271	.00076	.00090	.00078	-----	-----	.00023
%RSD	42.011	3.0044	765.60	235.62	416.28	-----	-----	18.826
#1	-.00032	.08845	.00064	-.00025	.00036	7761.	22630.	.00104
#2	-.00058	.09229	-.00044	.00102	-.00074	7536.	22000.	.00136
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	None	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	**4734.9**	**8087.1**	**48857.**	**14336.**
Stddev	73.1	112.7	54.	334.
%RSD	1.5447	1.3939	.10967	2.3328
#1	4683.2	8007.4	48819.	14572.
#2	4786.6	8166.8	48895.	14100.

Sample Name: 480-18366-D-1-A Acquired: 4/12/2012 17:36:25 Type: Unk
Method: ICAP2 2012(v35) Mode: CONC Corr. Factor: 1.000000
User: LMH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	As1937	As1972	B_2089	Ba4554-2	Be3130	Ca3179
Line	328.068 {103}	308.215 {109}	189.042 {478}	193.759 {474}	197.262 {471}	208.959 {461}	455.403 { 74}2	313.042 {108}	317.933 {106}
IS Ref	(Y_3600)	(Y_3774)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3774)	(Y_3774)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00085**	**.04053**	**.00195**	**.0006**	**-.0049**	**.03019**	**.11045**	**.00011**	**31.619**
Stddev	.00065	.00340	.00035	.0006	.0019	.00007	.00009	.00001	.055
%RSD	76.449	8.3928	17.913	106.1	38.15	.22625	.08580	7.9122	.17356
#1	-.00131	.04294	.00220	.0011	-.0036	.03015	.11052	.00012	31.581
#2	-.00039	.03813	.00171	.0002	-.0062	.03024	.11039	.00010	31.658
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Cd2288	Co2286	Cr2677	Cu3247	Fe2599	K_7664	K_7664-2	Li6707	Mg2790
Line	228.802 {447}	228.616 {447}	267.716 {126}	324.754 {104}	259.940 {130}	766.490 { 44}	766.490 { 44}2	670.784 { 50}	279.079 {121}2
IS Ref	(Y_2243)	(In2306)	(Y_3600)	(Y_3600)	(Y_3774)	(Y_3774)	(Y_3600)	(Y_3774)	(Y_3600)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00001**	**.00116**	**-.00015**	**.00126**	**.01678**	**11.215**	**10.129**	**.00344**	**7.9197**
Stddev	.00008	.00009	.00030	.00024	.00247	.003	.127	.00122	.0237
%RSD	884.19	7.9807	205.74	19.320	14.705	.02297	1.2502	35.471	.29955
#1	-.00005	.00109	-.00036	.00143	.01503	11.213	10.219	.00430	7.9365
#2	.00007	.00122	.00007	.00109	.01852	11.217	10.040	.00257	7.9029
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Mn2576	Mo2020	Na5895	Ni2316	Pb2203	S_1820	Sb2068	Se1960	Si2881
Line	257.610 {131}	202.030 {467}	589.592 { 57}	231.604 {446}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}2
IS Ref	(Y_3600)	(Y_2243)	(Y_3774)	(In2306)	(In2306)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3774)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00300**	**-.00002**	**17.502**	**.00090**	**.00031**	**9.8459**	**.00081**	**-.00030**	**3.2963**
Stddev	.00013	.00020	.013	.00015	.00068	.0363	.00088	.00052	.0149
%RSD	4.3439	850.48	.07505	16.237	216.58	.36844	108.13	170.46	.45273
#1	.00310	.00012	17.493	.00080	.00080	9.8203	.00019	.00006	3.2857
#2	.00291	-.00017	17.512	.00100	-.00017	9.8716	.00144	-.00067	3.3068
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Y_3600-2	Y_3710	Zn2062
Line	189.989 {477}	407.771 { 83}	334.904 {101}	190.856 {477}	292.402 {115}	360.073 { 94}2	371.030 { 91}	206.200 {163}
IS Ref	(In2306)	(Y_3774)	(Y_3600)	(In2306)	(Y_3600)	(none)	(none)	(Y_3600)
Units	ppm	ppm	ppm	ppm	ppm	Cts/S	Cts/S	ppm
Avg	**-.00010**	**.42117**	**.00010**	**.00013**	**.00055**	*****	*****	**.00134**
Stddev	.00023	.00069	.00042	.00010	.00024	-----	-----	.00029
%RSD	218.54	.16291	443.93	72.513	43.656	-----	-----	21.913
#1	.00006	.42068	.00039	.00006	.00072	7542.	21970.	.00155
#2	-.00026	.42165	-.00020	.00020	.00038	7515.	21900.	.00114
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	None	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	**4608.8**	**7906.2**	**47770.**	**14041.**
Stddev	.9	2.4	77.	32.
%RSD	.01845	.02973	.16175	.23055
#1	4609.4	7904.5	47716.	14064.
#2	4608.2	7907.8	47825.	14019.

Sample Name: MB 480-58757/15-B Acquired: 4/12/2012 17:38:37 Type: Unk
Method: ICAP2 2012(v35) Mode: CONC Corr. Factor: 1.000000
User: LMH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	As1937	As1972	B_2089	Ba4554-2	Be3130	Ca3179
Line	328.068 {103}	308.215 {109}	189.042 {478}	193.759 {474}	197.262 {471}	208.959 {461}	455.403 { 74}2	313.042 {108}	317.933 {106}
IS Ref	(Y_3600)	(Y_3774)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3774)	(Y_3774)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00080**	**.06680**	**.00093**	**.0008**	**-.0045**	**.00925**	**.00006**	**.00003**	**.13501**
Stddev	.00047	.01593	.00117	.0013	.0015	.00062	.00001	.00007	.00623
%RSD	58.126	23.855	125.31	151.0	32.19	6.7107	8.6647	201.58	4.6165
#1	-.00047	.05553	.00011	-.0001	-.0056	.00881	.00006	.00008	.13942
#2	-.00113	.07807	.00176	.0018	-.0035	.00969	.00006	-.00001	.13061
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Cd2288	Co2286	Cr2677	Cu3247	Fe2599	K_7664	K_7664-2	Li6707	Mg2790
Line	228.802 {447}	228.616 {447}	267.716 {126}	324.754 {104}	259.940 {130}	766.490 { 44}	766.490 { 44}2	670.784 { 50}	279.079 {121}2
IS Ref	(Y_2243)	(In2306)	(Y_3600)	(Y_3600)	(Y_3774)	(Y_3774)	(Y_3600)	(Y_3774)	(Y_3600)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00003**	**.00003**	**-.00014**	**.00058**	**.01461**	**.13696**	**.00411**	**.00066**	**.00456**
Stddev	.00008	.00034	.00036	.00047	.00114	.05675	.00054	.00050	.00454
%RSD	302.28	1346.3	248.84	81.848	7.7813	41.438	13.064	76.840	99.479
#1	.00009	-.00022	-.00040	.00024	.01541	.09683	.00373	.00030	.00777
#2	-.00003	.00027	.00011	.00091	.01381	.17708	.00449	.00101	.00135
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Mn2576	Mo2020	Na5895	Ni2316	Pb2203	S_1820	Sb2068	Se1960	Si2881
Line	257.610 {131}	202.030 {467}	589.592 { 57}	231.604 {446}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}2
IS Ref	(Y_3600)	(Y_2243)	(Y_3774)	(In2306)	(In2306)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3774)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00028**	**-.00021**	**.07491**	**.00076**	**-.00050**	**.00074**	**-.00020**	**-.00409**	**-.00042**
Stddev	.00002	.00005	.00022	.00003	.00020	.00477	.00103	.00044	.01161
%RSD	6.1559	25.423	.29321	3.6176	40.429	644.78	519.47	10.658	2764.8
#1	.00030	-.00025	.07506	.00074	-.00064	-.00263	-.00093	-.00439	.00779
#2	.00027	-.00018	.07475	.00078	-.00036	.00411	.00053	-.00378	-.00863
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Y_3600-2	Y_3710	Zn2062
Line	189.989 {477}	407.771 { 83}	334.904 {101}	190.856 {477}	292.402 {115}	360.073 { 94}2	371.030 { 91}	206.200 {163}
IS Ref	(In2306)	(Y_3774)	(Y_3600)	(In2306)	(Y_3600)	(none)	(none)	(Y_3600)
Units	ppm	ppm	ppm	ppm	ppm	Cts/S	Cts/S	ppm
Avg	**.00000**	**.00080**	**.00031**	**-.00030**	**.00002**	F *****	*****	**.00065**
Stddev	.0003	.00003	.00013	.00056	.00059	-----	-----	.00034
%RSD	12606.	3.6672	43.232	185.97	3839.1	-----	-----	51.245
#1	-.00021	.00078	.00022	-.00070	.00043	7543.	22040.	.00042
#2	.00021	.00082	.00041	.00010	-.00040	7596.	22140.	.00089
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass
High Limit						12.00		
Low Limit						8.000		

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	**4706.2**	**8067.8**	**49334.**	**14132.**
Stddev	2.9	6.4	33.	28.
%RSD	.06105	.07923	.06745	.20067
#1	4708.2	8072.3	49310.	14112.
#2	4704.1	8063.3	49357.	14152.

Sample Name: LCS 480-58757/16-B Acquired: 4/12/2012 17:40:45 Type: Unk
Method: ICAP2 2012(v35) Mode: CONC Corr. Factor: 1.000000
User: LMH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	As1937	As1972	B_2089	Ba4554-2	Be3130	Ca3179
Line	328.068 {103}	308.215 {109}	189.042 {478}	193.759 {474}	197.262 {471}	208.959 {461}	455.403 { 74}2	313.042 {108}	317.933 {106}
IS Ref	(Y_3600)	(Y_3774)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3774)	(Y_3774)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.05095**	**10.422**	**.20378**	**.2041**	**.1974**	**.21587**	**.21316**	**.20651**	**10.005**
Stddev	.00031	.056	.00063	.0013	.0058	.00051	.00019	.00003	.000
%RSD	.61312	.53586	.30697	.6418	2.939	.23473	.08832	.01282	.00279
#1	.05073	10.383	.20422	.2032	.1933	.21551	.21330	.20649	10.005
#2	.05117	10.462	.20334	.2050	.2015	.21623	.21303	.20653	10.005
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Cd2288	Co2286	Cr2677	Cu3247	Fe2599	K_7664	K_7664-2	Li6707	Mg2790
Line	228.802 {447}	228.616 {447}	267.716 {126}	324.754 {104}	259.940 {130}	766.490 { 44}	766.490 { 44}2	670.784 { 50}	279.079 {121}2
IS Ref	(Y_2243)	(In2306)	(Y_3600)	(Y_3600)	(Y_3774)	(Y_3774)	(Y_3600)	(Y_3774)	(Y_3600)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.20330**	**.20356**	**.20647**	**.20605**	**9.8480**	**10.700**	**9.3938**	**.21609**	**10.114**
Stddev	.00020	.00036	.00193	.00040	.0147	.061	.0392	.00085	.000
%RSD	.09994	.17594	.93243	.19633	.14966	.57071	.41756	.39481	.00425
#1	.20316	.20330	.20783	.20576	9.8376	10.656	9.4216	.21548	10.114
#2	.20345	.20381	.20511	.20633	9.8584	10.743	9.3661	.21669	10.115
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Mn2576	Mo2020	Na5895	Ni2316	Pb2203	S_1820	Sb2068	Se1960	Si2881
Line	257.610 {131}	202.030 {467}	589.592 { 57}	231.604 {446}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}2
IS Ref	(Y_3600)	(Y_2243)	(Y_3774)	(In2306)	(In2306)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3774)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.20991**	**.21109**	**10.585**	**.20238**	**.20484**	**-.00034**	**.20540**	**.19702**	**10.064**
Stddev	.00013	.00072	.008	.00113	.00245	.00236	.00101	.00141	.010
%RSD	.05956	.34040	.07675	.55657	1.1974	693.38	.49268	.71558	.10339
#1	.20982	.21058	10.590	.20158	.20310	-.00201	.20611	.19602	10.056
#2	.21000	.21160	10.579	.20318	.20657	.00133	.20468	.19801	10.071
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Y_3600-2	Y_3710	Zn2062
Line	189.989 {477}	407.771 { 83}	334.904 {101}	190.856 {477}	292.402 {115}	360.073 { 94}2	371.030 { 91}	206.200 {163}
IS Ref	(In2306)	(Y_3774)	(Y_3600)	(In2306)	(Y_3600)	(none)	(none)	(Y_3600)
Units	ppm	ppm	ppm	ppm	ppm	Cts/S	Cts/S	ppm
Avg	**.20699**	**.21014**	**.20246**	**.21004**	**.20427**	*****	*****	**.22271**
Stddev	.00151	.00001	.00054	.00065	.00041	-----	-----	.00028
%RSD	.72853	.00446	.26643	.31107	.19971	-----	-----	.12460
#1	.20593	.21013	.20208	.20958	.20398	7599.	22250.	.22251
#2	.20806	.21015	.20284	.21051	.20456	7596.	22160.	.22291
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	None	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	**4632.7**	**8006.1**	**48701.**	**14297.**
Stddev	.9	1.2	45.	31.
%RSD	.01962	.01475	.09146	.21364
#1	4632.1	8005.3	48669.	14318.
#2	4633.4	8006.9	48732.	14275.

Sample Name: 480-18380-B-1-A Acquired: 4/12/2012 17:42:48 Type: Unk
Method: ICAP2 2012(v35) Mode: CONC Corr. Factor: 1.000000
User: LMH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	As1937	As1972	B_2089	Ba4554-2	Be3130	Ca3179
Line	328.068 {103}	308.215 {109}	189.042 {478}	193.759 {474}	197.262 {471}	208.959 {461}	455.403 { 74}2	313.042 {108}	317.933 {106}
IS Ref	(Y_3600)	(Y_3774)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3774)	(Y_3774)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00117**	**.07858**	**.00228**	**-.0002**	**-.0065**	**.02454**	**.04675**	**.00000**	**98.497**
Stddev	.00032	.02014	.00060	.0022	.0002	.00033	.00001	.0001	.098
%RSD	27.064	25.631	26.261	1029.	2.646	1.3618	.02607	1794.2	.09940
#1	-.00094	.06434	.00186	.0014	-.0066	.02478	.04674	-.00007	98.428
#2	-.00139	.09282	.00271	-.0018	-.0064	.02431	.04675	.00006	98.566
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Cd2288	Co2286	Cr2677	Cu3247	Fe2599	K_7664	K_7664-2	Li6707	Mg2790
Line	228.802 {447}	228.616 {447}	267.716 {126}	324.754 {104}	259.940 {130}	766.490 { 44}	766.490 { 44}2	670.784 { 50}	279.079 {121}2
IS Ref	(Y_2243)	(In2306)	(Y_3600)	(Y_3600)	(Y_3774)	(Y_3774)	(Y_3600)	(Y_3774)	(Y_3600)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00033**	**-.00019**	**.00036**	**.00065**	**.01949**	**1.1468**	**.98986**	**.00656**	**33.143**
Stddev	.00013	.00008	.00016	.00030	.00094	.0071	.00162	.00206	.125
%RSD	39.841	41.563	45.104	45.793	4.8304	.61813	.16360	31.312	.37757
#1	.00023	-.00014	.00048	.00086	.02015	1.1518	.98871	.00802	33.232
#2	.00042	-.00025	.00025	.00044	.01882	1.1418	.99100	.00511	33.055
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Mn2576	Mo2020	Na5895	Ni2316	Pb2203	S_1820	Sb2068	Se1960	Si2881
Line	257.610 {131}	202.030 {467}	589.592 { 57}	231.604 {446}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}2
IS Ref	(Y_3600)	(Y_2243)	(Y_3774)	(In2306)	(In2306)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3774)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00027**	**.00024**	**2.5867**	**.00072**	**.00027**	**5.8914**	**.00009**	**-.00147**	**7.0668**
Stddev	.00003	.00017	.0067	.00029	.00019	.0044	.00004	.00067	.0384
%RSD	10.765	70.863	.26064	40.009	70.206	.07428	46.956	45.531	.54265
#1	.00025	.00012	2.5820	.00051	.00040	5.8945	.00012	-.00195	7.0397
#2	.00029	.00037	2.5915	.00092	.00013	5.8883	.00006	-.00100	7.0939
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Y_3600-2	Y_3710	Zn2062
Line	189.989 {477}	407.771 { 83}	334.904 {101}	190.856 {477}	292.402 {115}	360.073 { 94}2	371.030 { 91}	206.200 {163}
IS Ref	(In2306)	(Y_3774)	(Y_3600)	(In2306)	(Y_3600)	(none)	(none)	(Y_3600)
Units	ppm	ppm	ppm	ppm	ppm	Cts/S	Cts/S	ppm
Avg	**-.00048**	**.09524**	**.00113**	**.00100**	**.00003**	*****	*****	**.00191**
Stddev	.00049	.00028	.00041	.00013	.00084	-----	-----	.00028
%RSD	102.25	.29438	36.144	13.044	2616.1	-----	-----	14.668
#1	-.00013	.09504	.00142	.00091	-.00056	7445.	21780.	.00211
#2	-.00082	.09543	.00084	.00110	.00063	7395.	21600.	.00171
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	None	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	**4511.9**	**7811.4**	**47243.**	**13915.**
Stddev	6.8	16.8	222.	110.
%RSD	.15073	.21450	.47069	.79044
#1	4516.7	7823.3	47086.	13993.
#2	4507.1	7799.6	47400.	13837.

Sample Name: CCV Acquired: 4/12/2012 17:44:56 Type: QC
Method: ICAP2 2012(v35) Mode: CONC Corr. Factor: 1.000000
User: LMH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	As1937	As1972	B_2089	Ba4554-2	Be3130	Ca3179	Cd2288	Co2286	Cr2677	Cu3247
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.50118**	**25.091**	**.49984**	**.5004**	**.5001**	**.49717**	**.51508**	**.48801**	**24.652**	**.50049**	**.49027**	**.50907**	**.50465**
Stddev	.00085	.082	.00290	.0018	.0018	.00036	.00021	.00159	.066	.00100	.00065	.00150	.00039
%RSD	.17052	.32492	.58038	.3570	.3558	.07158	.03990	.32567	.26866	.20008	.13165	.29467	.07648
#1	.50179	25.148	.49779	.4991	.4988	.49692	.51522	.48689	24.605	.49978	.48982	.51013	.50438
#2	.50058	25.033	.50189	.5016	.5014	.49742	.51493	.48913	24.698	.50119	.49073	.50801	.50492
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	Fe2599	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	ppm
Avg	**24.590**	**25.889**	**24.640**	**.51944**	**25.204**	**.51782**	**.51340**	**25.653**	**.49806**	**.49740**	**25.093**	**.51285**	**.50526**
Stddev	.040	.020	.060	.00052	.042	.00019	.00036	.046	.00021	.00009	.053	.00015	.00523
%RSD	.16175	.07896	.24150	.09928	.16530	.03663	.07032	.18059	.04153	.01844	.21016	.02968	1.0361
#1	24.562	25.875	24.598	.51981	25.233	.51768	.51314	25.620	.49821	.49733	25.055	.51275	.50896
#2	24.618	25.904	24.682	.51908	25.174	.51795	.51366	25.686	.49792	.49746	25.130	.51296	.50156
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	Si2881	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Y_3600-2	Y_3710	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm	Cts/S	Cts/S	ppm
Avg	**24.041**	**.52383**	**.50327**	**.50711**	**.51214**	**.50954**	z *****	z *****	**.52169**
Stddev	.020	.00003	.00111	.00124	.00116	.00039	-----	-----	.00232
%RSD	.08115	.00535	.22137	.24366	.22636	.07672	-----	-----	.44388
#1	24.055	.52385	.50248	.50798	.51296	.50981	z 7471.	z 21810.	.52333
#2	24.027	.52381	.50405	.50623	.51132	.50926	z 7499.	z 21920.	.52005
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	None	Chk Pass
Value									
Range									

Int. Std.	In2306	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**4494.1**	**7865.4**	**47188.**	**13995.**
Stddev	2.5	7.8	23.	63.
%RSD	.05582	.09939	.04912	.45137
#1	4492.3	7870.9	47172.	13950.
#2	4495.9	7859.9	47204.	14040.

Sample Name: CCB Acquired: 4/12/2012 17:46:56 Type: QC
Method: ICAP2 2012(v35) Mode: CONC Corr. Factor: 1.000000
User: LMH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	As1937	As1972	B_2089	Ba4554-2	Be3130	Ca3179	Cd2288	Co2286	Cr2677	Cu3247
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00117**	**.03471**	**.00055**	**.0022**	**-.0023**	**.00120**	**.00006**	**.00012**	**.01061**	**.00014**	**-.00001**	**-.00025**	**-.00084**
Stddev	.00082	.00914	.00132	.0000	.0023	.00062	.00003	.00003	.00219	.00006	.00008	.00031	.00022
%RSD	69.719	26.332	240.86	.0739	97.04	51.444	49.430	25.960	20.643	44.830	531.93	121.06	25.798
#1	-.00175	.04117	-.00038	.0022	-.0007	.00164	.00008	.00010	.00906	.00018	.00004	-.00047	-.00069
#2	-.00059	.02825	.00148	.0022	-.0040	.00076	.00004	.00015	.01216	.00009	-.00007	-.00004	-.00100
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	Fe2599	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	ppm
Avg	**.00388**	**.11198**	**.00318**	**.00081**	**.00441**	**.00009**	**-.00003**	**.05889**	**.00039**	**.00061**	**.00089**	**.00190**	**-.00061**
Stddev	.00056	.02837	.00034	.00114	.00303	.00014	.00000	.00562	.00004	.00053	.00155	.00044	.00397
%RSD	14.457	25.338	10.834	140.26	68.625	158.80	10.829	9.5442	11.469	86.607	173.05	23.260	648.93
#1	.00349	.13204	.00342	.00161	.00227	.00018	-.00002	.06287	.00042	.00024	-.00020	.00221	-.00342
#2	.00428	.09192	.00293	.00001	.00655	-.00001	-.00003	.05492	.00036	.00098	.00199	.00159	.00220
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	Si2881	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Y_3600-2	Y_3710	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm	Cts/S	Cts/S	ppm
Avg	**.00554**	**.00003**	**.00020**	**-.00028**	**.00099**	**.00044**	z *****	z *****	**.00039**
Stddev	.00736	.00032	.00007	.00029	.00008	.00008	-----	-----	.00009
%RSD	132.84	1086.3	37.275	105.60	8.5417	18.942	-----	-----	22.993
#1	.00034	.00025	.00014	-.00007	.00105	.00050	z 7507.	z 21990.	.00045
#2	.01074	-.00020	.00025	-.00049	.00093	.00038	z 7514.	z 21920.	.00033
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	None	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	**4736.1**	**8085.5**	**49173.**	**14108.**
Stddev	2.4	3.2	76.	1.
%RSD	.05127	.03912	.15474	.00453
#1	4737.9	8087.8	49227.	14108.
#2	4734.4	8083.3	49120.	14107.

Sample Name: 480-18380-B-2-A Acquired: 4/12/2012 17:49:06 Type: Unk
Method: ICAP2 2012(v35) Mode: CONC Corr. Factor: 1.000000
User: LMH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	As1937	As1972	B_2089	Ba4554-2	Be3130	Ca3179
Line	328.068 {103}	308.215 {109}	189.042 {478}	193.759 {474}	197.262 {471}	208.959 {461}	455.403 { 74}2	313.042 {108}	317.933 {106}
IS Ref	(Y_3600)	(Y_3774)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3774)	(Y_3774)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00051**	**.07183**	**.00145**	**.0009**	**-.0047**	**.02020**	**.05509**	**.00003**	**88.585**
Stddev	.00027	.01372	.00256	.0014	.0003	.00015	.00005	.00004	.046
%RSD	52.388	19.105	176.79	152.2	7.173	.75253	.09406	127.31	.05140
#1	-.00070	.06213	.00326	.0019	-.0045	.02030	.05505	.00000	88.553
#2	-.00032	.08153	-.00036	-.0001	-.0050	.02009	.05512	.00006	88.617
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Cd2288	Co2286	Cr2677	Cu3247	Fe2599	K_7664	K_7664-2	Li6707	Mg2790
Line	228.802 {447}	228.616 {447}	267.716 {126}	324.754 {104}	259.940 {130}	766.490 { 44}	766.490 { 44}2	670.784 { 50}	279.079 {121}2
IS Ref	(Y_2243)	(In2306)	(Y_3600)	(Y_3600)	(Y_3774)	(Y_3774)	(Y_3600)	(Y_3774)	(Y_3600)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00034**	**.00007**	**-.00028**	**.00066**	**.03079**	**1.1622**	**1.0112**	**.00675**	**35.726**
Stddev	.00010	.00027	.00026	.00021	.00268	.0145	.0034	.00045	.010
%RSD	29.761	408.29	91.973	31.695	8.7075	1.2447	.33287	6.7375	.02882
#1	.00041	-.00013	-.00010	.00052	.02890	1.1725	1.0089	.00707	35.719
#2	.00027	.00026	-.00046	.00081	.03269	1.1520	1.0136	.00642	35.734
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Mn2576	Mo2020	Na5895	Ni2316	Pb2203	S_1820	Sb2068	Se1960	Si2881
Line	257.610 {131}	202.030 {467}	589.592 { 57}	231.604 {446}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}2
IS Ref	(Y_3600)	(Y_2243)	(Y_3774)	(In2306)	(In2306)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3774)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00314**	**.00054**	**3.2004**	**.00094**	**.00075**	**10.321**	**-.00043**	**.00044**	**6.6083**
Stddev	.00012	.00019	.0069	.00044	.00199	.004	.00079	.00215	.0402
%RSD	3.6699	36.207	.21499	46.904	265.16	.03871	183.91	485.31	.60789
#1	.00323	.00040	3.2053	.00063	-.00066	10.324	.00013	-.00108	6.6367
#2	.00306	.00067	3.1955	.00125	.00216	10.319	-.00099	.00197	6.5799
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Y_3600-2	Y_3710	Zn2062
Line	189.989 {477}	407.771 { 83}	334.904 {101}	190.856 {477}	292.402 {115}	360.073 { 94}2	371.030 { 91}	206.200 {163}
IS Ref	(In2306)	(Y_3774)	(Y_3600)	(In2306)	(Y_3600)	(none)	(none)	(Y_3600)
Units	ppm	ppm	ppm	ppm	ppm	Cts/S	Cts/S	ppm
Avg	**.00002**	**.09834**	**.00171**	**-.00049**	**.00018**	*****	*****	**.01943**
Stddev	.00036	.00019	.00033	.00056	.00076	-----	-----	.00002
%RSD	2057.0	.18980	19.403	114.36	431.36	-----	-----	.11621
#1	-.00024	.09821	.00148	-.00009	.00071	7447.	21740.	.01941
#2	.00027	.09847	.00195	-.00089	-.00036	7509.	21850.	.01944
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	None	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	**4507.6**	**7808.8**	**47222.**	**13951.**
Stddev	6.0	.4	30.	71.
%RSD	.13257	.00484	.06407	.50580
#1	4511.8	7808.5	47201.	13901.
#2	4503.4	7809.0	47244.	14001.

Sample Name: 480-18380-B-3-A Acquired: 4/12/2012 17:51:10 Type: Unk
Method: ICAP2 2012(v35) Mode: CONC Corr. Factor: 1.000000
User: LMH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	As1937	As1972	B_2089	Ba4554-2	Be3130	Ca3179
Line	328.068 {103}	308.215 {109}	189.042 {478}	193.759 {474}	197.262 {471}	208.959 {461}	455.403 { 74}2	313.042 {108}	317.933 {106}
IS Ref	(Y_3600)	(Y_3774)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3774)	(Y_3774)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00135**	**.06779**	**.00091**	**-.0008**	**-.0029**	**.02423**	**.04449**	**.00005**	**110.87**
Stddev	.00048	.00854	.00105	.0005	.0001	.00061	.00001	.00007	.36
%RSD	35.646	12.603	115.40	66.24	2.963	2.5261	.03189	149.48	.32273
#1	-.00101	.07383	.00165	-.0012	-.0028	.02380	.04450	.00000	110.61
#2	-.00169	.06175	.00017	-.0004	-.0029	.02466	.04448	.00010	111.12
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Cd2288	Co2286	Cr2677	Cu3247	Fe2599	K_7664	K_7664-2	Li6707	Mg2790
Line	228.802 {447}	228.616 {447}	267.716 {126}	324.754 {104}	259.940 {130}	766.490 { 44}	766.490 { 44}2	670.784 { 50}	279.079 {121}2
IS Ref	(Y_2243)	(In2306)	(Y_3600)	(Y_3600)	(Y_3774)	(Y_3774)	(Y_3600)	(Y_3774)	(Y_3600)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00028**	**.00016**	**-.00063**	**.00063**	**.01445**	**1.1021**	**.94766**	**.00693**	**31.022**
Stddev	.00023	.00010	.00008	.00033	.00408	.0056	.00060	.00072	.088
%RSD	81.448	60.322	12.936	52.843	28.255	.51148	.06371	10.322	.28433
#1	.00044	.00009	-.00057	.00040	.01734	1.0981	.94808	.00744	31.084
#2	.00012	.00023	-.00069	.00087	.01157	1.1060	.94723	.00643	30.960
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Mn2576	Mo2020	Na5895	Ni2316	Pb2203	S_1820	Sb2068	Se1960	Si2881
Line	257.610 {131}	202.030 {467}	589.592 { 57}	231.604 {446}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}2
IS Ref	(Y_3600)	(Y_2243)	(Y_3774)	(In2306)	(In2306)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3774)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00020**	**.00017**	**2.9167**	**.00077**	**-.00013**	**8.4304**	**.00152**	**-.00218**	**7.1722**
Stddev	.00011	.00001	.0041	.00004	.00064	.0244	.00018	.00028	.0037
%RSD	54.076	7.5392	.14144	4.7410	485.79	.28966	11.821	13.045	.05126
#1	.00028	.00016	2.9138	.00074	-.00058	8.4131	.00165	-.00198	7.1748
#2	.00012	.00017	2.9196	.00080	.00032	8.4477	.00139	-.00238	7.1696
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Y_3600-2	Y_3710	Zn2062
Line	189.989 {477}	407.771 { 83}	334.904 {101}	190.856 {477}	292.402 {115}	360.073 { 94}2	371.030 { 91}	206.200 {163}
IS Ref	(In2306)	(Y_3774)	(Y_3600)	(In2306)	(Y_3600)	(none)	(none)	(Y_3600)
Units	ppm	ppm	ppm	ppm	ppm	Cts/S	Cts/S	ppm
Avg	**-.00014**	**.10584**	**.00142**	**.00055**	**.00035**	*****	*****	**.00094**
Stddev	.00042	.00009	.00030	.00010	.00079	-----	-----	.00017
%RSD	307.41	.08429	21.461	18.364	225.85	-----	-----	18.302
#1	-.00043	.10578	.00120	.00062	.00090	7462.	21760.	.00082
#2	.00016	.10591	.00163	.00047	-.00021	7417.	21700.	.00106
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	None	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	**4486.1**	**7774.9**	**47129.**	**13945.**
Stddev	13.1	18.1	123.	27.
%RSD	.29104	.23285	.26164	.19221
#1	4476.9	7762.1	47042.	13964.
#2	4495.3	7787.7	47216.	13926.

Sample Name: 480-18380-B-3-A SD@5 Acquired: 4/12/2012 17:53:16 Type: Unk
Method: ICAP2 2012(v35) Mode: CONC Corr. Factor: 1.000000
User: LMH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	As1937	As1972	B_2089	Ba4554-2	Be3130	Ca3179
Line	328.068 {103}	308.215 {109}	189.042 {478}	193.759 {474}	197.262 {471}	208.959 {461}	455.403 { 74}2	313.042 {108}	317.933 {106}
IS Ref	(Y_3600)	(Y_3774)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3774)	(Y_3774)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00065**	**.04226**	**.00057**	**.0008**	**-.0008**	**.00512**	**.00890**	**.00007**	**21.839**
Stddev	.00098	.00400	.00341	.0002	.0019	.00060	.00005	.00004	.028
%RSD	149.64	9.4574	592.96	19.13	241.6	11.688	.58200	57.521	.12902
#1	-.00004	.04508	.00298	.0007	-.0021	.00554	.00893	.00010	21.819
#2	.00134	.03943	-.00183	.0009	.0005	.00470	.00886	.00004	21.859
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Cd2288	Co2286	Cr2677	Cu3247	Fe2599	K_7664	K_7664-2	Li6707	Mg2790
Line	228.802 {447}	228.616 {447}	267.716 {126}	324.754 {104}	259.940 {130}	766.490 { 44}	766.490 { 44}2	670.784 { 50}	279.079 {121}2
IS Ref	(Y_2243)	(In2306)	(Y_3600)	(Y_3600)	(Y_3774)	(Y_3774)	(Y_3600)	(Y_3774)	(Y_3600)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00018**	**-.00003**	**-.00122**	**.00033**	**.00205**	**.29776**	**.14939**	**.00028**	**6.1957**
Stddev	.00008	.00010	.00000	.00009	.00005	.00723	.00026	.00010	.0160
%RSD	47.448	341.21	.04693	27.424	2.5860	2.4269	.17703	34.868	.25863
#1	.00024	-.00010	-.00122	.00026	.00201	.29265	.14920	.00021	6.2070
#2	.00012	.00004	-.00122	.00039	.00209	.30287	.14958	.00035	6.1844
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Mn2576	Mo2020	Na5895	Ni2316	Pb2203	S_1820	Sb2068	Se1960	Si2881
Line	257.610 {131}	202.030 {467}	589.592 { 57}	231.604 {446}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}2
IS Ref	(Y_3600)	(Y_2243)	(Y_3774)	(In2306)	(In2306)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3774)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00015**	**.00005**	**.60358**	**.00044**	**.00106**	**1.6153**	**.00015**	**-.00020**	**1.4178**
Stddev	.00007	.00010	.00696	.00016	.00011	.0017	.00036	.00061	.0049
%RSD	44.035	217.28	1.1526	36.942	10.750	.10797	235.28	301.17	.34652
#1	.00020	.00011	.59866	.00055	.00098	1.6141	.00041	.00023	1.4213
#2	.00011	-.00002	.60850	.00032	.00114	1.6166	-.00010	-.00063	1.4143
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Y_3600-2	Y_3710	Zn2062
Line	189.989 {477}	407.771 { 83}	334.904 {101}	190.856 {477}	292.402 {115}	360.073 { 94}2	371.030 { 91}	206.200 {163}
IS Ref	(In2306)	(Y_3774)	(Y_3600)	(In2306)	(Y_3600)	(none)	(none)	(Y_3600)
Units	ppm	ppm	ppm	ppm	ppm	Cts/S	Cts/S	ppm
Avg	**.00016**	**.02092**	**.00093**	**.00149**	**-.00013**	*****	*****	**.00023**
Stddev	.00071	.00021	.00010	.00031	.00006	-----	-----	.00018
%RSD	432.67	1.0129	11.055	21.049	45.667	-----	-----	76.157
#1	.00066	.02107	.00100	.00172	-.00009	7441.	21690.	.00011
#2	-.00034	.02077	.00086	.00127	-.00017	7449.	21750.	.00036
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	None	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	**4619.8**	**7920.3**	**48022.**	**13924.**
Stddev	8.1	3.5	200.	31.
%RSD	.17426	.04359	.41638	.22288
#1	4625.4	7922.7	48163.	13903.
#2	4614.1	7917.8	47880.	13946.

Sample Name: 480-18380-B-3-A PDS Acquired: 4/12/2012 17:55:23 Type: Unk
Method: ICAP2 2012(v35) Mode: CONC Corr. Factor: 1.000000
User: LMH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	As1937	As1972	B_2089	Ba4554-2	Be3130	Ca3179
Line	328.068 {103}	308.215 {109}	189.042 {478}	193.759 {474}	197.262 {471}	208.959 {461}	455.403 { 74}2	313.042 {108}	317.933 {106}
IS Ref	(Y_3600)	(Y_3774)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3774)	(Y_3774)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.04902	10.119	.19763	.2001	.1983	.22670	.24480	.20093	116.79
Stddev	.00091	.055	.00074	.0014	.0022	.00015	.00018	.00008	.04
%RSD	1.8578	.54812	.37453	.7014	1.125	.06626	.07181	.04228	.03532
#1	.04967	10.080	.19710	.2011	.1999	.22660	.24492	.20099	116.82
#2	.04838	10.158	.19815	.1991	.1967	.22681	.24467	.20087	116.76
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Cd2288	Co2286	Cr2677	Cu3247	Fe2599	K_7664	K_7664-2	Li6707	Mg2790
Line	228.802 {447}	228.616 {447}	267.716 {126}	324.754 {104}	259.940 {130}	766.490 { 44}	766.490 { 44}2	670.784 { 50}	279.079 {121}2
IS Ref	(Y_2243)	(In2306)	(Y_3600)	(Y_3600)	(Y_3774)	(Y_3774)	(Y_3600)	(Y_3774)	(Y_3600)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.19777	.19427	.19858	.19872	9.4397	11.387	11.344	.21535	39.678
Stddev	.00087	.00027	.00028	.00026	.0135	.027	.055	.00046	.045
%RSD	.44155	.13820	.14149	.13309	.14335	.23376	.48307	.21214	.11265
#1	.19839	.19446	.19878	.19891	9.4302	11.406	11.383	.21567	39.710
#2	.19715	.19408	.19838	.19854	9.4493	11.368	11.306	.21503	39.647
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Mn2576	Mo2020	Na5895	Ni2316	Pb2203	S_1820	Sb2068	Se1960	Si2881
Line	257.610 {131}	202.030 {467}	589.592 { 57}	231.604 {446}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}2
IS Ref	(Y_3600)	(Y_2243)	(Y_3774)	(In2306)	(In2306)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3774)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.20037	.20397	12.992	.19250	.19908	8.2742	.19954	.19225	16.735
Stddev	.00015	.00002	.022	.00040	.00108	.0098	.00021	.00018	.003
%RSD	.07726	.00871	.17041	.20563	.54072	.11859	.10511	.09150	.01663
#1	.20026	.20398	13.008	.19222	.19832	8.2811	.19939	.19238	16.737
#2	.20048	.20396	12.977	.19278	.19984	8.2672	.19969	.19213	16.733
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Y_3600-2	Y_3710	Zn2062
Line	189.989 {477}	407.771 { 83}	334.904 {101}	190.856 {477}	292.402 {115}	360.073 { 94}2	371.030 { 91}	206.200 {163}
IS Ref	(In2306)	(Y_3774)	(Y_3600)	(In2306)	(Y_3600)	(none)	(none)	(Y_3600)
Units	ppm	ppm	ppm	ppm	ppm	Cts/S	Cts/S	ppm
Avg	.20153	.30151	.19843	.20600	.19808	*****	*****	.21290
Stddev	.00008	.00023	.00101	.00101	.00140	-----	-----	.00023
%RSD	.04134	.07547	.50995	.48853	.70747	-----	-----	.10843
#1	.20159	.30167	.19772	.20529	.19907	7453.	21740.	.21306
#2	.20147	.30135	.19915	.20671	.19709	7460.	21790.	.21274
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	None	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	4414.8	7783.2	47089.	13927.
Stddev	2.1	5.2	123.	13.
%RSD	.04869	.06711	.26224	.09222
#1	4416.4	7779.5	47176.	13918.
#2	4413.3	7786.9	47002.	13936.

Sample Name: 480-18380-B-3-B MS Acquired: 4/12/2012 17:57:25 Type: Unk
Method: ICAP2 2012(v35) Mode: CONC Corr. Factor: 1.000000
User: LMH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	As1937	As1972	B_2089	Ba4554-2	Be3130	Ca3179
Line	328.068 {103}	308.215 {109}	189.042 {478}	193.759 {474}	197.262 {471}	208.959 {461}	455.403 { 74}2	313.042 {108}	317.933 {106}
IS Ref	(Y_3600)	(Y_3774)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3774)	(Y_3774)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.04986**	**10.493**	**.21336**	**.2120**	**.2081**	**.23444**	**.25488**	**.21449**	**122.27**
Stddev	.00020	.019	.00240	.0005	.0016	.00066	.00019	.00030	.41
%RSD	.39845	.17759	1.1257	.2550	.7896	.28342	.07360	.14035	.33922
#1	.04972	10.506	.21506	.2124	.2092	.23491	.25501	.21428	121.98
#2	.05000	10.480	.21166	.2117	.2069	.23397	.25475	.21471	122.57
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Cd2288	Co2286	Cr2677	Cu3247	Fe2599	K_7664	K_7664-2	Li6707	Mg2790
Line	228.802 {447}	228.616 {447}	267.716 {126}	324.754 {104}	259.940 {130}	766.490 { 44}	766.490 { 44}2	670.784 { 50}	279.079 {121}2
IS Ref	(Y_2243)	(In2306)	(Y_3600)	(Y_3600)	(Y_3774)	(Y_3774)	(Y_3600)	(Y_3774)	(Y_3600)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.21123**	**.20761**	**.21333**	**.21572**	**10.058**	**11.820**	**11.914**	**.22461**	**41.830**
Stddev	.00003	.00009	.00009	.00004	.027	.067	.059	.00333	.020
%RSD	.01566	.04408	.04019	.01704	.26358	.56678	.49674	1.4840	.04713
#1	.21126	.20767	.21339	.21570	10.039	11.772	11.872	.22225	41.816
#2	.21121	.20755	.21327	.21575	10.077	11.867	11.956	.22697	41.844
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Mn2576	Mo2020	Na5895	Ni2316	Pb2203	S_1820	Sb2068	Se1960	Si2881
Line	257.610 {131}	202.030 {467}	589.592 { 57}	231.604 {446}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}2
IS Ref	(Y_3600)	(Y_2243)	(Y_3774)	(In2306)	(In2306)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3774)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.21411**	**.21909**	**13.569**	**.20524**	**.21138**	**8.6444**	**.21401**	**.20428**	**17.419**
Stddev	.00024	.00025	.049	.00033	.00045	.0252	.00078	.00082	.017
%RSD	.11375	.11197	.36044	.15885	.21125	.29155	.36343	.40244	.09899
#1	.21393	.21926	13.534	.20547	.21170	8.6622	.21456	.20487	17.407
#2	.21428	.21892	13.603	.20501	.21107	8.6266	.21346	.20370	17.432
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Y_3600-2	Y_3710	Zn2062
Line	189.989 {477}	407.771 { 83}	334.904 {101}	190.856 {477}	292.402 {115}	360.073 { 94}2	371.030 { 91}	206.200 {163}
IS Ref	(In2306)	(Y_3774)	(Y_3600)	(In2306)	(Y_3600)	(none)	(none)	(Y_3600)
Units	ppm	ppm	ppm	ppm	ppm	Cts/S	Cts/S	ppm
Avg	**.21069**	**.31546**	**.21213**	**.21645**	**.21204**	*****	*****	**.22755**
Stddev	.00020	.00014	.00116	.00013	.00134	-----	-----	.00038
%RSD	.09620	.04483	.54720	.05945	.63077	-----	-----	.16630
#1	.21084	.31536	.21131	.21636	.21110	7435.	21630.	.22728
#2	.21055	.31556	.21295	.21655	.21299	7419.	21720.	.22782
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	None	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	**4406.7**	**7759.7**	**46772.**	**13881.**
Stddev	5.5	.7	61.	12.
%RSD	.12547	.00921	.12944	.08417
#1	4402.7	7759.2	46815.	13873.
#2	4410.6	7760.2	46729.	13890.

Sample Name: 480-18380-B-3-C MSD Acquired: 4/12/2012 17:59:27 Type: Unk
Method: ICAP2 2012(v35) Mode: CONC Corr. Factor: 1.000000
User: LMH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	As1937	As1972	B_2089	Ba4554-2	Be3130	Ca3179
Line	328.068 {103}	308.215 {109}	189.042 {478}	193.759 {474}	197.262 {471}	208.959 {461}	455.403 { 74}2	313.042 {108}	317.933 {106}
IS Ref	(Y_3600)	(Y_3774)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3774)	(Y_3774)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.05222**	**10.455**	**.20773**	**.2106**	**.2065**	**.23725**	**.25445**	**.21129**	**121.55**
Stddev	.00048	.065	.00257	.0002	.0013	.00026	.00055	.00052	.11
%RSD	.92451	.62244	1.2380	.0860	.6422	.11113	.21452	.24563	.09382
#1	.05188	10.409	.20592	.2107	.2055	.23707	.25406	.21092	121.47
#2	.05257	10.501	.20955	.2104	.2074	.23744	.25484	.21166	121.63
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Cd2288	Co2286	Cr2677	Cu3247	Fe2599	K_7664	K_7664-2	Li6707	Mg2790
Line	228.802 {447}	228.616 {447}	267.716 {126}	324.754 {104}	259.940 {130}	766.490 { 44}	766.490 { 44}2	670.784 { 50}	279.079 {121}2
IS Ref	(Y_2243)	(In2306)	(Y_3600)	(Y_3600)	(Y_3774)	(Y_3774)	(Y_3600)	(Y_3774)	(Y_3600)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.20786**	**.20368**	**.20916**	**.20872**	**9.8664**	**11.786**	**12.038**	**.22276**	**41.410**
Stddev	.00025	.00028	.00073	.00084	.0259	.053	.090	.00144	.041
%RSD	.12197	.13853	.35068	.40057	.26257	.44865	.74966	.64849	.10007
#1	.20768	.20387	.20864	.20812	9.8481	11.748	12.102	.22379	41.380
#2	.20804	.20348	.20968	.20931	9.8847	11.823	11.975	.22174	41.439
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Mn2576	Mo2020	Na5895	Ni2316	Pb2203	S_1820	Sb2068	Se1960	Si2881
Line	257.610 {131}	202.030 {467}	589.592 { 57}	231.604 {446}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}2
IS Ref	(Y_3600)	(Y_2243)	(Y_3774)	(In2306)	(In2306)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3774)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.21027**	**.21413**	**13.496**	**.20180**	**.20897**	**8.5778**	**.21014**	**.20330**	**17.389**
Stddev	.00058	.00025	.052	.00042	.00165	.0049	.00171	.00255	.014
%RSD	.27628	.11900	.38727	.20871	.79052	.05671	.81270	1.2550	.08165
#1	.20985	.21431	13.459	.20150	.20781	8.5813	.20894	.20511	17.399
#2	.21068	.21395	13.533	.20209	.21014	8.5744	.21135	.20150	17.379
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Y_3600-2	Y_3710	Zn2062
Line	189.989 {477}	407.771 { 83}	334.904 {101}	190.856 {477}	292.402 {115}	360.073 { 94}2	371.030 { 91}	206.200 {163}
IS Ref	(In2306)	(Y_3774)	(Y_3600)	(In2306)	(Y_3600)	(none)	(none)	(Y_3600)
Units	ppm	ppm	ppm	ppm	ppm	Cts/S	Cts/S	ppm
Avg	**.20934**	**.31368**	**.20916**	**.21546**	**.20808**	*****	*****	**.22351**
Stddev	.00024	.00096	.00038	.00051	.00159	-----	-----	.00033
%RSD	.11642	.30464	.18218	.23620	.76227	-----	-----	.14978
#1	.20916	.31301	.20889	.21582	.20696	7436.	21730.	.22374
#2	.20951	.31436	.20943	.21510	.20921	7487.	21900.	.22327
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	None	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	**4411.3**	**7766.2**	**46830.**	**14011.**
Stddev	7.3	2.7	19.	66.
%RSD	.16443	.03440	.03959	.46881
#1	4416.4	7768.1	46817.	13965.
#2	4406.1	7764.3	46843.	14058.

Sample Name: 480-18380-B-4-A Acquired: 4/12/2012 18:01:31 Type: Unk
Method: ICAP2 2012(v35) Mode: CONC Corr. Factor: 1.000000
User: LMH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	As1937	As1972	B_2089	Ba4554-2	Be3130	Ca3179
Line	328.068 {103}	308.215 {109}	189.042 {478}	193.759 {474}	197.262 {471}	208.959 {461}	455.403 { 74}2	313.042 {108}	317.933 {106}
IS Ref	(Y_3600)	(Y_3774)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3774)	(Y_3774)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00141**	**.10262**	**.00129**	**.0009**	**-.0003**	**.03181**	**.06775**	**-.00002**	**118.93**
Stddev	.00124	.01506	.00086	.0017	.0010	.00004	.00010	.00001	.13
%RSD	87.971	14.672	66.376	196.9	291.2	.12077	.14909	63.504	.11316
#1	-.00229	.11326	.00069	-.0003	.0004	.03179	.06782	-.00003	119.02
#2	-.00053	.09197	.00190	.0021	-.0010	.03184	.06768	-.00001	118.83
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Cd2288	Co2286	Cr2677	Cu3247	Fe2599	K_7664	K_7664-2	Li6707	Mg2790
Line	228.802 {447}	228.616 {447}	267.716 {126}	324.754 {104}	259.940 {130}	766.490 { 44}	766.490 { 44}2	670.784 { 50}	279.079 {121}2
IS Ref	(Y_2243)	(In2306)	(Y_3600)	(Y_3600)	(Y_3774)	(Y_3774)	(Y_3600)	(Y_3774)	(Y_3600)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00027**	**.00027**	**-.00061**	**.00039**	**.01535**	**1.9952**	**1.9807**	**.02305**	**48.629**
Stddev	.00005	.00030	.00033	.00020	.00142	.0424	.0067	.00155	.194
%RSD	17.496	111.83	54.141	50.727	9.2361	2.1252	.33816	6.7248	.39971
#1	.00031	.00049	-.00084	.00025	.01636	1.9652	1.9854	.02414	48.767
#2	.00024	.00006	-.00038	.00054	.01435	2.0252	1.9760	.02195	48.492
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Mn2576	Mo2020	Na5895	Ni2316	Pb2203	S_1820	Sb2068	Se1960	Si2881
Line	257.610 {131}	202.030 {467}	589.592 { 57}	231.604 {446}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}2
IS Ref	(Y_3600)	(Y_2243)	(Y_3774)	(In2306)	(In2306)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3774)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.02355**	**.00224**	**11.434**	**.00178**	**.00161**	**13.423**	**.00129**	**-.00158**	**9.0837**
Stddev	.00005	.00004	.044	.00031	.00151	.020	.00019	.00255	.0110
%RSD	.21456	1.6316	.38789	17.721	93.841	.14806	14.616	161.20	.12065
#1	.02359	.00227	11.465	.00200	.00054	13.437	.00143	.00022	9.0760
#2	.02351	.00221	11.402	.00155	.00268	13.409	.00116	-.00339	9.0915
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Y_3600-2	Y_3710	Zn2062
Line	189.989 {477}	407.771 { 83}	334.904 {101}	190.856 {477}	292.402 {115}	360.073 { 94}2	371.030 { 91}	206.200 {163}
IS Ref	(In2306)	(Y_3774)	(Y_3600)	(In2306)	(Y_3600)	(none)	(none)	(Y_3600)
Units	ppm	ppm	ppm	ppm	ppm	Cts/S	Cts/S	ppm
Avg	**-.00048**	**.15407**	**.00176**	**-.00012**	**.00012**	*****	*****	**.00174**
Stddev	.00018	.00011	.00018	.00067	.00045	-----	-----	.00080
%RSD	38.080	.07196	10.222	574.10	373.77	-----	-----	45.753
#1	-.00061	.15415	.00163	.00036	-.00020	7466.	21790.	.00231
#2	-.00035	.15399	.00188	-.00059	.00044	7509.	21910.	.00118
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	None	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	**4457.7**	**7761.0**	**46782.**	**13996.**
Stddev	18.6	5.9	326.	83.
%RSD	.41645	.07657	.69739	.59333
#1	4470.8	7765.2	46551.	13937.
#2	4444.5	7756.8	47013.	14055.

Sample Name: 480-18380-B-5-A Acquired: 4/12/2012 18:03:38 Type: Unk
Method: ICAP2 2012(v35) Mode: CONC Corr. Factor: 1.000000
User: LMH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	As1937	As1972	B_2089	Ba4554-2	Be3130	Ca3179
Line	328.068 {103}	308.215 {109}	189.042 {478}	193.759 {474}	197.262 {471}	208.959 {461}	455.403 { 74}2	313.042 {108}	317.933 {106}
IS Ref	(Y_3600)	(Y_3774)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3774)	(Y_3774)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00179**	**.08550**	**.00148**	**.0005**	**-.0063**	**.02423**	**.05968**	**.00008**	**90.213**
Stddev	.00023	.03018	.00173	.0018	.0016	.00088	.00007	.00007	.240
%RSD	12.763	35.301	117.17	326.5	25.72	3.6209	.11690	85.407	.26646
#1	-.00195	.06416	.00270	-.0007	-.0075	.02361	.05973	.00003	90.043
#2	-.00163	.10684	.00025	.0018	-.0052	.02485	.05964	.00012	90.383
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Cd2288	Co2286	Cr2677	Cu3247	Fe2599	K_7664	K_7664-2	Li6707	Mg2790
Line	228.802 {447}	228.616 {447}	267.716 {126}	324.754 {104}	259.940 {130}	766.490 { 44}	766.490 { 44}2	670.784 { 50}	279.079 {121}2
IS Ref	(Y_2243)	(In2306)	(Y_3600)	(Y_3600)	(Y_3774)	(Y_3774)	(Y_3600)	(Y_3774)	(Y_3600)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00023**	**.00013**	**-.00036**	**.00018**	**.01274**	**1.9388**	**1.8282**	**.00954**	**36.737**
Stddev	.00018	.00011	.00013	.00020	.00205	.0098	.0017	.00145	.001
%RSD	75.808	84.340	36.197	112.08	16.121	.50798	.09010	15.199	.00321
#1	.00036	.00021	-.00027	.00004	.01419	1.9458	1.8294	.00851	36.736
#2	.00011	.00005	-.00046	.00032	.01129	1.9318	1.8270	.01056	36.738
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Mn2576	Mo2020	Na5895	Ni2316	Pb2203	S_1820	Sb2068	Se1960	Si2881
Line	257.610 {131}	202.030 {467}	589.592 { 57}	231.604 {446}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}2
IS Ref	(Y_3600)	(Y_2243)	(Y_3774)	(In2306)	(In2306)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3774)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00068**	**.00044**	**11.095**	**.00118**	**.00099**	**10.331**	**.00186**	**-.00039**	**6.3387**
Stddev	.00000	.00021	.053	.00011	.00014	.044	.00178	.00085	.0141
%RSD	.67037	48.065	.47683	8.9430	13.977	.42589	95.743	219.07	.22193
#1	.00069	.00029	11.058	.00110	.00109	10.362	.00311	-.00099	6.3288
#2	.00068	.00059	11.132	.00125	.00089	10.300	.00060	.00021	6.3487
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Y_3600-2	Y_3710	Zn2062
Line	189.989 {477}	407.771 { 83}	334.904 {101}	190.856 {477}	292.402 {115}	360.073 { 94}2	371.030 { 91}	206.200 {163}
IS Ref	(In2306)	(Y_3774)	(Y_3600)	(In2306)	(Y_3600)	(none)	(none)	(Y_3600)
Units	ppm	ppm	ppm	ppm	ppm	Cts/S	Cts/S	ppm
Avg	**-.00012**	**.09753**	**.00141**	**.00050**	**.00033**	*****	*****	**.00140**
Stddev	.00018	.00079	.00049	.00104	.00028	-----	-----	.00046
%RSD	142.86	.81443	35.042	209.82	85.992	-----	-----	33.036
#1	-.00025	.09697	.00106	.00123	.00053	7429.	21750.	.00173
#2	.00000	.09809	.00175	-.00024	.00013	7461.	21850.	.00108
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	None	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	**4483.2**	**7787.5**	**47032.**	**13942.**
Stddev	4.2	9.8	144.	47.
%RSD	.09384	.12564	.30701	.33494
#1	4480.2	7780.6	46930.	13909.
#2	4486.2	7794.4	47134.	13975.

Sample Name: 480-18380-B-6-A Acquired: 4/12/2012 18:05:44 Type: Unk
Method: ICAP2 2012(v35) Mode: CONC Corr. Factor: 1.000000
User: LMH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	As1937	As1972	B_2089	Ba4554-2	Be3130	Ca3179
Line	328.068 {103}	308.215 {109}	189.042 {478}	193.759 {474}	197.262 {471}	208.959 {461}	455.403 { 74}2	313.042 {108}	317.933 {106}
IS Ref	(Y_3600)	(Y_3774)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3774)	(Y_3774)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00210**	**.10323**	**.00183**	**.0016**	**-.0054**	**.03099**	**.00875**	**.00007**	**19.679**
Stddev	.00029	.00048	.00004	.0006	.0003	.00033	.00005	.00001	.046
%RSD	13.687	.46640	2.3894	36.36	5.779	1.0753	.54225	8.3632	.23350
#1	-.00230	.10357	.00186	.0012	-.0052	.03122	.00878	.00008	19.646
#2	-.00190	.10289	.00180	.0019	-.0057	.03075	.00872	.00007	19.711
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Cd2288	Co2286	Cr2677	Cu3247	Fe2599	K_7664	K_7664-2	Li6707	Mg2790
Line	228.802 {447}	228.616 {447}	267.716 {126}	324.754 {104}	259.940 {130}	766.490 { 44}	766.490 { 44}2	670.784 { 50}	279.079 {121}2
IS Ref	(Y_2243)	(In2306)	(Y_3600)	(Y_3600)	(Y_3774)	(Y_3774)	(Y_3600)	(Y_3774)	(Y_3600)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00038**	**.00004**	**.00216**	**.00247**	**.17648**	**2.0799**	**2.0112**	**.00243**	**34.373**
Stddev	.00005	.00009	.00028	.00004	.00061	.0470	.0041	.00228	.034
%RSD	13.008	229.64	12.760	1.8185	.34589	2.2597	.20372	93.829	.10029
#1	.00042	.00010	.00235	.00250	.17604	2.0466	2.0141	.00405	34.398
#2	.00035	-.00002	.00196	.00244	.17691	2.1131	2.0083	.00082	34.349
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Mn2576	Mo2020	Na5895	Ni2316	Pb2203	S_1820	Sb2068	Se1960	Si2881
Line	257.610 {131}	202.030 {467}	589.592 { 57}	231.604 {446}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}2
IS Ref	(Y_3600)	(Y_2243)	(Y_3774)	(In2306)	(In2306)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3774)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00517**	**.00125**	**32.636**	**.00191**	**.00232**	**4.6672**	**-.00064**	**-.00035**	**2.6622**
Stddev	.00001	.00004	.087	.00050	.00011	.0004	.00039	.00150	.0235
%RSD	.28533	3.5648	.26538	26.197	4.6194	.00910	61.135	431.49	.88369
#1	.00518	.00122	32.575	.00155	.00225	4.6675	-.00092	-.00140	2.6455
#2	.00516	.00129	32.698	.00226	.00240	4.6669	-.00036	.00071	2.6788
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Y_3600-2	Y_3710	Zn2062
Line	189.989 {477}	407.771 { 83}	334.904 {101}	190.856 {477}	292.402 {115}	360.073 { 94}2	371.030 { 91}	206.200 {163}
IS Ref	(In2306)	(Y_3774)	(Y_3600)	(In2306)	(Y_3600)	(none)	(none)	(Y_3600)
Units	ppm	ppm	ppm	ppm	ppm	Cts/S	Cts/S	ppm
Avg	**-.00021**	**.02110**	**.00354**	**.00040**	**.00024**	*****	*****	**.14467**
Stddev	.00053	.00000	.00062	.00133	.00040	-----	-----	.00054
%RSD	245.99	.00160	17.375	335.34	167.28	-----	-----	.37116
#1	.00016	.02110	.00311	-.00054	-.00004	7321.	21400.	.14505
#2	-.00059	.02110	.00398	.00134	.00052	7376.	21530.	.14429
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	None	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	**4505.7**	**7822.7**	**46975.**	**13711.**
Stddev	2.9	7.0	127.	54.
%RSD	.06488	.08902	.27067	.39453
#1	4503.6	7817.7	46885.	13673.
#2	4507.7	7827.6	47065.	13749.

Sample Name: 480-18380-B-7-A Acquired: 4/12/2012 18:07:51 Type: Unk
Method: ICAP2 2012(v35) Mode: CONC Corr. Factor: 1.000000
User: LMH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	As1937	As1972	B_2089	Ba4554-2	Be3130	Ca3179
Line	328.068 {103}	308.215 {109}	189.042 {478}	193.759 {474}	197.262 {471}	208.959 {461}	455.403 { 74}2	313.042 {108}	317.933 {106}
IS Ref	(Y_3600)	(Y_3774)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3774)	(Y_3774)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00017**	**.08260**	**.00290**	**.0020**	**-.0012**	**1.1135**	**.08040**	**-.00005**	**107.13**
Stddev	.00032	.01795	.00114	.0002	.0042	.0038	.00022	.00000	.15
%RSD	187.50	21.729	39.310	10.28	345.2	.34310	.27783	8.4146	.13723
#1	-.00040	.09529	.00370	.0018	-.0042	1.1108	.08056	-.00005	107.03
#2	.00006	.06991	.00209	.0021	.0017	1.1162	.08024	-.00005	107.23
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Cd2288	Co2286	Cr2677	Cu3247	Fe2599	K_7664	K_7664-2	Li6707	Mg2790
Line	228.802 {447}	228.616 {447}	267.716 {126}	324.754 {104}	259.940 {130}	766.490 { 44}	766.490 { 44}2	670.784 { 50}	279.079 {121}2
IS Ref	(Y_2243)	(In2306)	(Y_3600)	(Y_3600)	(Y_3774)	(Y_3774)	(Y_3600)	(Y_3774)	(Y_3600)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00036**	**.00457**	**-.00036**	**.00143**	**.26508**	**4.4939**	**4.7482**	**.00490**	**19.604**
Stddev	.00008	.00008	.00023	.00054	.00322	.0024	.0077	.00236	.013
%RSD	21.418	1.7457	63.905	38.027	1.2161	.05330	.16125	48.123	.06618
#1	.00042	.00463	-.00052	.00105	.26280	4.4956	4.7536	.00323	19.595
#2	.00031	.00451	-.00020	.00182	.26736	4.4922	4.7428	.00656	19.613
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Mn2576	Mo2020	Na5895	Ni2316	Pb2203	S_1820	Sb2068	Se1960	Si2881
Line	257.610 {131}	202.030 {467}	589.592 { 57}	231.604 {446}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}2
IS Ref	(Y_3600)	(Y_2243)	(Y_3774)	(In2306)	(In2306)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3774)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.7971**	**.00061**	**43.462**	**.02926**	**.00051**	**5.1636**	**.00097**	**-.00097**	**2.5809**
Stddev	.0028	.00009	.015	.00042	.00087	.0131	.00130	.00053	.0158
%RSD	.15476	14.932	.03445	1.4286	170.51	.25278	134.02	54.454	.61322
#1	1.7991	.00068	43.473	.02955	.00113	5.1544	.00005	-.00059	2.5698
#2	1.7952	.00055	43.451	.02896	-.00011	5.1729	.00189	-.00134	2.5921
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Y_3600-2	Y_3710	Zn2062
Line	189.989 {477}	407.771 { 83}	334.904 {101}	190.856 {477}	292.402 {115}	360.073 { 94}2	371.030 { 91}	206.200 {163}
IS Ref	(In2306)	(Y_3774)	(Y_3600)	(In2306)	(Y_3600)	(none)	(none)	(Y_3600)
Units	ppm	ppm	ppm	ppm	ppm	Cts/S	Cts/S	ppm
Avg	**-.00012**	**.18140**	**.00135**	**.00110**	**.00060**	*****	*****	**.00321**
Stddev	.00008	.00046	.00034	.00025	.00024	-----	-----	.00050
%RSD	65.970	.25174	24.832	22.381	40.617	-----	-----	15.554
#1	-.00006	.18108	.00111	.00093	.00043	7374.	21450.	.00356
#2	-.00018	.18172	.00159	.00127	.00078	7368.	21440.	.00285
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	None	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	**4442.9**	**7743.2**	**46433.**	**13737.**
Stddev	5.9	7.0	38.	17.
%RSD	.13390	.09088	.08243	.12066
#1	4438.7	7748.2	46460.	13725.
#2	4447.1	7738.2	46406.	13748.

Sample Name: CCV Acquired: 4/12/2012 18:10:05 Type: QC
Method: ICAP2 2012(v35) Mode: CONC Corr. Factor: 1.000000
User: LMH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	As1937	As1972	B_2089	Ba4554-2	Be3130	Ca3179	Cd2288	Co2286	Cr2677	Cu3247
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.49968**	**24.411**	**.49595**	**.4923**	**.4899**	**.49226**	**.51091**	**.48259**	**24.425**	**.49383**	**.48550**	**.50896**	**.49593**
Stddev	.00013	.004	.00162	.0045	.0020	.00042	.00039	.00050	.044	.00059	.00144	.00035	.00077
%RSD	.02588	.01633	.32642	.9049	.3983	.08619	.07697	.10429	.18170	.11953	.29588	.06948	.15566
#1	.49959	24.413	.49480	.4954	.4913	.49256	.51119	.48294	24.456	.49425	.48652	.50921	.49647
#2	.49977	24.408	.49709	.4891	.4885	.49196	.51064	.48223	24.394	.49342	.48449	.50871	.49538
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	Fe2599	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	ppm
Avg	**24.039**	**25.415**	**24.619**	**.51041**	**25.118**	**.51376**	**.50893**	**25.300**	**.49356**	**.49074**	**24.733**	**.50641**	**.49926**
Stddev	.038	.080	.021	.00058	.046	.00079	.00140	.018	.00101	.00016	.010	.00001	.00657
%RSD	.15639	.31638	.08460	.11333	.18329	.15390	.27477	.06951	.20376	.03198	.04031	.00175	1.3162
#1	24.066	25.472	24.605	.51000	25.150	.51432	.50992	25.312	.49427	.49063	24.740	.50642	.50391
#2	24.013	25.358	24.634	.51081	25.085	.51320	.50794	25.287	.49285	.49085	24.726	.50641	.49462
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	Si2881	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Y_3600-2	Y_3710	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm	Cts/S	Cts/S	ppm
Avg	**23.796**	**.52200**	**.49343**	**.50356**	**.50536**	**.50356**	z *****	z *****	**.52292**
Stddev	.059	.00113	.00002	.00170	.00288	.00098	-----	-----	.00027
%RSD	.24824	.21701	.00498	.33724	.56959	.19447	-----	-----	.05084
#1	23.755	.52280	.49342	.50476	.50740	.50425	z 7367.	z 21640.	.52311
#2	23.838	.52120	.49345	.50236	.50333	.50287	z 7321.	z 21520.	.52273
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	None	Chk Pass
Value									
Range									

Int. Std.	In2306	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**4481.9**	**7844.5**	**46979.**	**13936.**
Stddev	10.3	17.9	125.	17.
%RSD	.22915	.22870	.26568	.12458
#1	4489.2	7857.2	46890.	13948.
#2	4474.7	7831.8	47067.	13923.

Sample Name: CCB Acquired: 4/12/2012 18:12:03 Type: QC
Method: ICAP2 2012(v35) Mode: CONC Corr. Factor: 1.000000
User: LMH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	As1937	As1972	B_2089	Ba4554-2	Be3130	Ca3179	Cd2288	Co2286	Cr2677	Cu3247
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00091**	**.01525**	**.00087**	**-.0004**	**-.0018**	**.00168**	**.00005**	**.00012**	**.01853**	**.00005**	**.00017**	**-.00041**	**.00004**
Stddev	.00059	.00177	.00090	.0002	.0013	.00101	.00004	.00002	.00004	.00002	.00000	.00008	.00020
%RSD	64.215	11.600	104.09	59.46	72.24	60.407	66.971	13.988	.19582	44.559	1.2187	19.179	507.80
#1	-.00132	.01650	.00023	-.0002	-.0027	.00240	.00008	.00011	.01851	.00003	.00017	-.00036	.00018
#2	-.00050	.01400	.00151	-.0006	-.0009	.00096	.00003	.00014	.01856	.00006	.00018	-.00047	-.00010
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	Fe2599	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	ppm
Avg	**.00677**	**.10097**	**.00458**	**.00023**	**.00558**	**.00006**	**.00005**	**.05182**	**.00021**	**.00046**	**-.00030**	**.00113**	**.00016**
Stddev	.00043	.01720	.00025	.00035	.00051	.00005	.00016	.00782	.00005	.00121	.00332	.00028	.00136
%RSD	6.3712	17.035	5.5310	147.59	9.1273	76.068	289.01	15.084	23.411	262.11	1100.1	24.983	874.75
#1	.00708	.08880	.00476	.00048	.00522	.00010	.00017	.05734	.00017	.00132	-.00265	.00133	.00112
#2	.00647	.11313	.00440	-.00001	.00594	.00003	-.00006	.04629	.00024	-.00039	.00205	.00093	-.00080
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	Si2881	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Y_3600-2	Y_3710	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm	Cts/S	Cts/S	ppm
Avg	**.01237**	**-.00002**	**.00023**	**-.00002**	**.00177**	**-.00008**	z *****	z *****	**.00021**
Stddev	.01091	.00046	.00003	.00005	.00105	.00050	-----	-----	.00014
%RSD	88.193	2279.7	13.643	268.18	59.600	623.52	-----	-----	63.182
#1	.02008	-.00034	.00025	.00002	.00102	-.00043	z 7479.	z 21840.	.00012
#2	.00465	.00030	.00021	-.00006	.00251	.00027	z 7454.	z 21780.	.00031
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	None	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	**4724.1**	**8054.1**	**48953.**	**13994.**
Stddev	15.5	32.7	78.	49.
%RSD	.32710	.40613	.15846	.35058
#1	4735.1	8077.2	48898.	14029.
#2	4713.2	8030.9	49008.	13960.

Sample Name: 480-18381-D-1-A Acquired: 4/12/2012 18:14:14 Type: Unk
Method: ICAP2 2012(v35) Mode: CONC Corr. Factor: 1.000000
User: LMH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	As1937	As1972	B_2089	Ba4554-2	Be3130	Ca3179
Line	328.068 {103}	308.215 {109}	189.042 {478}	193.759 {474}	197.262 {471}	208.959 {461}	455.403 { 74}2	313.042 {108}	317.933 {106}
IS Ref	(Y_3600)	(Y_3774)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3774)	(Y_3774)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00194**	**.07884**	**-.00081**	**-.0009**	**-.0014**	**.00954**	**.00035**	**.00007**	**.14783**
Stddev	.00061	.00922	.00056	.0007	.0015	.00019	.00000	.00000	.00250
%RSD	31.628	11.690	69.307	81.62	105.3	2.0206	1.0099	2.5422	1.6890
#1	-.00237	.07232	-.00121	-.0013	-.0025	.00941	.00035	.00007	.14607
#2	-.00151	.08536	-.00041	-.0004	-.0004	.00968	.00035	.00008	.14960
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Cd2288	Co2286	Cr2677	Cu3247	Fe2599	K_7664	K_7664-2	Li6707	Mg2790
Line	228.802 {447}	228.616 {447}	267.716 {126}	324.754 {104}	259.940 {130}	766.490 { 44}	766.490 { 44}2	670.784 { 50}	279.079 {121}2
IS Ref	(Y_2243)	(In2306)	(Y_3600)	(Y_3600)	(Y_3774)	(Y_3774)	(Y_3600)	(Y_3774)	(Y_3600)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00011**	**.00016**	**-.00034**	**-.00001**	**.01802**	**.09302**	**.00413**	**.00023**	**.00234**
Stddev	.00005	.00002	.00022	.00015	.00094	.02565	.00035	.00014	.00099
%RSD	40.154	11.259	65.377	1045.0	5.2208	27.573	8.5241	62.010	42.094
#1	.00015	.00017	-.00050	-.00012	.01735	.11116	.00437	.00032	.00304
#2	.00008	.00015	-.00018	.00009	.01868	.07489	.00388	.00013	.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	Mn2576	Mo2020	Na5895	Ni2316	Pb2203	S_1820	Sb2068	Se1960	Si2881
Line	257.610 {131}	202.030 {467}	589.592 { 57}	231.604 {446}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}2
IS Ref	(Y_3600)	(Y_2243)	(Y_3774)	(In2306)	(In2306)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3774)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00025**	**-.00009**	**.04694**	**.00052**	**.00194**	**-.00255**	**-.00001**	**-.00011**	**.00297**
Stddev	.00012	.00008	.00224	.00024	.00007	.00134	.00020	.00012	.00219
%RSD	48.561	91.392	4.7785	45.557	3.6690	52.770	3413.8	103.41	73.832
#1	.00034	-.00003	.04853	.00035	.00199	-.00350	-.00015	-.00020	.00452
#2	.00016	-.00014	.04536	.00069	.00189	-.00160	.00014	-.00003	.00142
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Y_3600-2	Y_3710	Zn2062
Line	189.989 {477}	407.771 { 83}	334.904 {101}	190.856 {477}	292.402 {115}	360.073 { 94}2	371.030 { 91}	206.200 {163}
IS Ref	(In2306)	(Y_3774)	(Y_3600)	(In2306)	(Y_3600)	(none)	(none)	(Y_3600)
Units	ppm	ppm	ppm	ppm	ppm	Cts/S	Cts/S	ppm
Avg	**-.00022**	**.00090**	**.00091**	**.00051**	**.00051**	*****	*****	**.00111**
Stddev	.00012	.00001	.00051	.00059	.00033	-----	-----	.00015
%RSD	53.560	1.2325	55.650	115.96	63.732	-----	-----	13.373
#1	-.00013	.00091	.00055	.00009	.00028	7455.	21810.	.00101
#2	-.00030	.00090	.00128	.00093	.00074	7575.	22160.	.00122
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	None	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	**4732.0**	**8104.0**	**49420.**	**14164.**
Stddev	2.2	12.4	27.	152.
%RSD	.04654	.15358	.05507	1.0722
#1	4733.5	8112.8	49439.	14056.
#2	4730.4	8095.2	49401.	14271.

Sample Name: 480-18381-D-2-A Acquired: 4/12/2012 18:16:21 Type: Unk
Method: ICAP2 2012(v35) Mode: CONC Corr. Factor: 1.000000
User: LMH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	As1937	As1972	B_2089	Ba4554-2	Be3130	Ca3179
Line	328.068 {103}	308.215 {109}	189.042 {478}	193.759 {474}	197.262 {471}	208.959 {461}	455.403 { 74}2	313.042 {108}	317.933 {106}
IS Ref	(Y_3600)	(Y_3774)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3774)	(Y_3774)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00084**	**.09375**	**.00076**	**.0022**	**-.0011**	**.40575**	**.11797**	**.00010**	**116.40**
Stddev	.00237	.02688	.00074	.0013	.0008	.00287	.00011	.00008	.10
%RSD	281.27	28.674	97.640	61.27	72.44	.70725	.09347	78.254	.08289
#1	.00083	.11275	.00023	.0012	-.0016	.40372	.11805	.00005	116.47
#2	-.00252	.07474	.00128	.0031	-.0005	.40777	.11789	.00016	116.33
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Cd2288	Co2286	Cr2677	Cu3247	Fe2599	K_7664	K_7664-2	Li6707	Mg2790
Line	228.802 {447}	228.616 {447}	267.716 {126}	324.754 {104}	259.940 {130}	766.490 { 44}	766.490 { 44}2	670.784 { 50}	279.079 {121}2
IS Ref	(Y_2243)	(In2306)	(Y_3600)	(Y_3600)	(Y_3774)	(Y_3774)	(Y_3600)	(Y_3774)	(Y_3600)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00029**	**.00138**	**-.00061**	**.00141**	**.10291**	**1.3244**	**1.2811**	**.02176**	**31.216**
Stddev	.00013	.00015	.00053	.00017	.00133	.0037	.0036	.00033	.065
%RSD	45.769	10.910	86.668	12.329	1.2970	.27661	.27981	1.5334	.20672
#1	.00038	.00148	-.00024	.00129	.10385	1.3270	1.2836	.02199	31.262
#2	.00019	.00127	-.00099	.00153	.10197	1.3218	1.2785	.02152	31.171
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Mn2576	Mo2020	Na5895	Ni2316	Pb2203	S_1820	Sb2068	Se1960	Si2881
Line	257.610 {131}	202.030 {467}	589.592 { 57}	231.604 {446}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}2
IS Ref	(Y_3600)	(Y_2243)	(Y_3774)	(In2306)	(In2306)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3774)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.11396**	**.00067**	**13.909**	**.00132**	**.00030**	**2.7459**	**.00003**	**-.00041**	**9.9660**
Stddev	.00009	.00009	.033	.00046	.00053	.0024	.00278	.00467	.0216
%RSD	.07670	13.569	.23510	34.521	178.30	.08663	10908.	1148.7	.21697
#1	.11402	.00074	13.932	.00100	-.00008	2.7442	-.00194	-.00371	9.9507
#2	.11389	.00061	13.886	.00165	.00067	2.7475	.00199	.00290	9.9812
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Y_3600-2	Y_3710	Zn2062
Line	189.989 {477}	407.771 { 83}	334.904 {101}	190.856 {477}	292.402 {115}	360.073 { 94}2	371.030 { 91}	206.200 {163}
IS Ref	(In2306)	(Y_3774)	(Y_3600)	(In2306)	(Y_3600)	(none)	(none)	(Y_3600)
Units	ppm	ppm	ppm	ppm	ppm	Cts/S	Cts/S	ppm
Avg	**.00001**	**.30047**	**.00162**	**-.00004**	**.00355**	*****	*****	**.00040**
Stddev	.00048	.00063	.00003	.00035	.00062	-----	-----	.00038
%RSD	7640.7	.20864	2.0505	944.00	17.605	-----	-----	95.078
#1	.00035	.30002	.00164	.00021	.00399	7454.	21830.	.00067
#2	-.00034	.30091	.00160	-.00028	.00311	7536.	22000.	.00013
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	None	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	**4495.4**	**7821.8**	**46971.**	**14034.**
Stddev	16.7	24.4	63.	83.
%RSD	.37050	.31258	.13371	.59258
#1	4507.2	7839.1	46927.	13975.
#2	4483.7	7804.5	47016.	14093.

Sample Name: 480-18381-D-3-A Acquired: 4/12/2012 18:18:25 Type: Unk
Method: ICAP2 2012(v35) Mode: CONC Corr. Factor: 1.000000
User: LMH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	As1937	As1972	B_2089	Ba4554-2	Be3130	Ca3179
Line	328.068 {103}	308.215 {109}	189.042 {478}	193.759 {474}	197.262 {471}	208.959 {461}	455.403 { 74}2	313.042 {108}	317.933 {106}
IS Ref	(Y_3600)	(Y_3774)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3774)	(Y_3774)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00142**	**.11843**	**-.00009**	**.0012**	**-.0003**	**.37986**	**.05321**	**.00002**	**69.056**
Stddev	.00028	.02953	.00343	.0017	.0017	.00038	.00014	.00000	.062
%RSD	19.606	24.931	3691.0	137.2	678.8	.10072	.26244	20.308	.09023
#1	-.00162	.13931	.00233	.0000	.0010	.37959	.05331	.00003	69.100
#2	-.00122	.09755	-.00252	.0024	-.0015	.38013	.05311	.00002	69.012
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Cd2288	Co2286	Cr2677	Cu3247	Fe2599	K_7664	K_7664-2	Li6707	Mg2790
Line	228.802 {447}	228.616 {447}	267.716 {126}	324.754 {104}	259.940 {130}	766.490 { 44}	766.490 { 44}2	670.784 { 50}	279.079 {121}2
IS Ref	(Y_2243)	(In2306)	(Y_3600)	(Y_3600)	(Y_3774)	(Y_3774)	(Y_3600)	(Y_3774)	(Y_3600)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00025**	**.00007**	**.00051**	**.00104**	**.01783**	**.72505**	**.59740**	**.00739**	**14.858**
Stddev	.00008	.00003	.00005	.00080	.00125	.00573	.00137	.00069	.005
%RSD	32.898	40.698	9.9128	76.786	6.9956	.79067	.22886	9.3701	.03624
#1	.00019	.00005	.00054	.00160	.01871	.72911	.59837	.00690	14.854
#2	.00031	.00009	.00047	.00047	.01695	.72100	.59644	.00788	14.862
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Mn2576	Mo2020	Na5895	Ni2316	Pb2203	S_1820	Sb2068	Se1960	Si2881
Line	257.610 {131}	202.030 {467}	589.592 { 57}	231.604 {446}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}2
IS Ref	(Y_3600)	(Y_2243)	(Y_3774)	(In2306)	(In2306)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3774)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.03852**	**.00077**	**15.682**	**.00076**	**-.00063**	**2.8467**	**-.00097**	**-.00098**	**9.0466**
Stddev	.00021	.00000	.021	.00037	.00059	.0021	.00077	.00233	.0032
%RSD	.55246	.24148	.13576	48.142	92.621	.07240	78.976	237.98	.03489
#1	.03867	.00077	15.697	.00050	-.00022	2.8482	-.00043	-.00262	9.0488
#2	.03837	.00077	15.667	.00102	-.00105	2.8453	-.00152	.00067	9.0443
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Y_3600-2	Y_3710	Zn2062
Line	189.989 {477}	407.771 { 83}	334.904 {101}	190.856 {477}	292.402 {115}	360.073 { 94}2	371.030 { 91}	206.200 {163}
IS Ref	(In2306)	(Y_3774)	(Y_3600)	(In2306)	(Y_3600)	(none)	(none)	(Y_3600)
Units	ppm	ppm	ppm	ppm	ppm	Cts/S	Cts/S	ppm
Avg	**-.00013**	**.23818**	**.00031**	**-.00031**	**.00192**	*****	*****	**.00109**
Stddev	.00006	.00082	.00048	.00006	.00025	-----	-----	.00020
%RSD	48.003	.34511	154.12	18.781	13.007	-----	-----	18.590
#1	-.00017	.23876	-.00003	-.00027	.00174	7451.	21810.	.00123
#2	-.00009	.23760	.00065	-.00035	.00209	7478.	21870.	.00095
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	None	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	**4575.6**	**7906.1**	**47703.**	**14043.**
Stddev	8.5	15.2	116.	5.
%RSD	.18485	.19217	.24263	.03591
#1	4581.5	7916.8	47784.	14039.
#2	4569.6	7895.4	47621.	14046.

Sample Name: 480-18381-D-4-A Acquired: 4/12/2012 18:20:29 Type: Unk
Method: ICAP2 2012(v35) Mode: CONC Corr. Factor: 1.000000
User: LMH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	As1937	As1972	B_2089	Ba4554-2	Be3130	Ca3179
Line	328.068 {103}	308.215 {109}	189.042 {478}	193.759 {474}	197.262 {471}	208.959 {461}	455.403 { 74}2	313.042 {108}	317.933 {106}
IS Ref	(Y_3600)	(Y_3774)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3774)	(Y_3774)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00198**	**.19966**	**.00070**	**.0022**	**-.0019**	**.24055**	**.15173**	**.00024**	**49.971**
Stddev	.00057	.01370	.00019	.0010	.0034	.00033	.00011	.00010	.008
%RSD	28.840	6.8627	27.450	45.82	176.4	.13712	.07137	40.548	.01616
#1	-.00157	.20935	.00057	.0029	.0005	.24078	.15181	.00031	49.966
#2	-.00238	.18997	.00084	.0015	-.0043	.24031	.15165	.00017	49.977
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Cd2288	Co2286	Cr2677	Cu3247	Fe2599	K_7664	K_7664-2	Li6707	Mg2790
Line	228.802 {447}	228.616 {447}	267.716 {126}	324.754 {104}	259.940 {130}	766.490 { 44}	766.490 { 44}2	670.784 { 50}	279.079 {121}2
IS Ref	(Y_2243)	(In2306)	(Y_3600)	(Y_3600)	(Y_3774)	(Y_3774)	(Y_3600)	(Y_3774)	(Y_3600)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00013**	**.00012**	**-.00029**	**.00017**	**.11098**	**.59102**	**.46272**	**.00990**	**15.941**
Stddev	.00000	.00008	.00026	.00001	.00144	.00906	.00289	.00140	.012
%RSD	2.3930	63.447	90.476	3.6332	1.2994	1.5328	.62557	14.154	.07722
#1	.00012	.00018	-.00048	.00017	.11200	.59742	.46477	.01089	15.932
#2	.00013	.00007	-.00011	.00016	.10996	.58461	.46068	.00891	15.950
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Mn2576	Mo2020	Na5895	Ni2316	Pb2203	S_1820	Sb2068	Se1960	Si2881
Line	257.610 {131}	202.030 {467}	589.592 { 57}	231.604 {446}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}2
IS Ref	(Y_3600)	(Y_2243)	(Y_3774)	(In2306)	(In2306)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3774)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.07692**	**.00053**	**10.230**	**.00021**	**.00030**	**.84750**	**.00196**	**-.00356**	**7.0888**
Stddev	.00023	.00020	.027	.00023	.00063	.00643	.00119	.00017	.0168
%RSD	.29448	37.317	.25968	110.02	212.39	.75862	60.758	4.7092	.23740
#1	.07708	.00039	10.211	.00037	-.00015	.85205	.00280	-.00344	7.0769
#2	.07676	.00067	10.249	.00005	.00074	.84296	.00112	-.00368	7.1007
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Y_3600-2	Y_3710	Zn2062
Line	189.989 {477}	407.771 { 83}	334.904 {101}	190.856 {477}	292.402 {115}	360.073 { 94}2	371.030 { 91}	206.200 {163}
IS Ref	(In2306)	(Y_3774)	(Y_3600)	(In2306)	(Y_3600)	(none)	(none)	(Y_3600)
Units	ppm	ppm	ppm	ppm	ppm	Cts/S	Cts/S	ppm
Avg	**-.00050**	**.38140**	**.00108**	**-.00057**	**.00053**	*****	*****	**.00074**
Stddev	.00012	.00047	.00036	.00096	.00086	-----	-----	.00021
%RSD	23.121	.12373	32.990	169.85	163.37	-----	-----	28.120
#1	-.00042	.38107	.00133	-.00125	-.00008	7435.	21790.	.00089
#2	-.00058	.38173	.00083	.00011	.00113	7446.	21790.	.00059
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	None	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	**4563.4**	**7889.4**	**47842.**	**14009.**
Stddev	.3	14.4	193.	9.
%RSD	.00667	.18226	.40363	.06381
#1	4563.6	7879.2	47706.	14003.
#2	4563.2	7899.5	47979.	14016.

Sample Name: 480-18381-D-5-A Acquired: 4/12/2012 18:22:33 Type: Unk
Method: ICAP2 2012(v35) Mode: CONC Corr. Factor: 1.000000
User: LMH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	As1937	As1972	B_2089	Ba4554-2	Be3130	Ca3179
Line	328.068 {103}	308.215 {109}	189.042 {478}	193.759 {474}	197.262 {471}	208.959 {461}	455.403 { 74}2	313.042 {108}	317.933 {106}
IS Ref	(Y_3600)	(Y_3774)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3774)	(Y_3774)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00089**	**.67567**	**.00352**	**.0016**	**-.0021**	**.24982**	**.12609**	**.00005**	**78.372**
Stddev	.00012	.00543	.00176	.0015	.0003	.00064	.00029	.00011	.778
%RSD	13.153	.80394	50.020	90.71	13.02	.25755	.23143	204.81	.99208
#1	-.00081	.67951	.00228	.0027	-.0019	.24936	.12630	-.00002	77.822
#2	-.00098	.67183	.00477	.0006	-.0022	.25027	.12588	.00013	78.921
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Cd2288	Co2286	Cr2677	Cu3247	Fe2599	K_7664	K_7664-2	Li6707	Mg2790
Line	228.802 {447}	228.616 {447}	267.716 {126}	324.754 {104}	259.940 {130}	766.490 { 44}	766.490 { 44}2	670.784 { 50}	279.079 {121}2
IS Ref	(Y_2243)	(In2306)	(Y_3600)	(Y_3600)	(Y_3774)	(Y_3774)	(Y_3600)	(Y_3774)	(Y_3600)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00022**	**.00031**	**.00007**	**.00078**	**.11513**	**1.4988**	**1.3580**	**.01508**	**17.764**
Stddev	.00008	.00013	.00004	.00052	.00056	.0152	.0052	.00095	.019
%RSD	37.862	41.776	56.960	66.464	.48303	1.0110	.38364	6.3023	.10681
#1	.00028	.00022	.00009	.00115	.11552	1.5095	1.3617	.01575	17.777
#2	.00016	.00040	.00004	.00041	.11473	1.4881	1.3543	.01440	17.750
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Mn2576	Mo2020	Na5895	Ni2316	Pb2203	S_1820	Sb2068	Se1960	Si2881
Line	257.610 {131}	202.030 {467}	589.592 { 57}	231.604 {446}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}2
IS Ref	(Y_3600)	(Y_2243)	(Y_3774)	(In2306)	(In2306)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3774)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.04556**	**.00008**	**9.1149**	**.00087**	**.00196**	**1.6544**	**.00074**	**.00123**	**7.5410**
Stddev	.00006	.00003	.0646	.00020	.00003	.0058	.00061	.00191	.0425
%RSD	.12994	33.407	.70843	23.132	1.3911	.35322	82.121	154.86	.56428
#1	.04561	.00009	9.0693	.00102	.00198	1.6586	.00031	-.00012	7.5110
#2	.04552	.00006	9.1606	.00073	.00194	1.6503	.00118	.00258	7.5711
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Y_3600-2	Y_3710	Zn2062
Line	189.989 {477}	407.771 { 83}	334.904 {101}	190.856 {477}	292.402 {115}	360.073 { 94}2	371.030 { 91}	206.200 {163}
IS Ref	(In2306)	(Y_3774)	(Y_3600)	(In2306)	(Y_3600)	(none)	(none)	(Y_3600)
Units	ppm	ppm	ppm	ppm	ppm	Cts/S	Cts/S	ppm
Avg	**-.00051**	**.28173**	**.00067**	**.00093**	**.00351**	*****	*****	**.00067**
Stddev	.00013	.00337	.00022	.00030	.00028	-----	-----	.00016
%RSD	24.520	1.1967	32.981	32.095	7.8423	-----	-----	23.649
#1	-.00042	.27934	.00083	.00072	.00371	7485.	21820.	.00056
#2	-.00060	.28411	.00052	.00114	.00332	7406.	21660.	.00078
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	None	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	**4545.1**	**7869.4**	**47341.**	**13965.**
Stddev	.7	10.6	286.	79.
%RSD	.01492	.13522	.60479	.56713
#1	4545.6	7876.9	47139.	14021.
#2	4544.6	7861.9	47544.	13909.

Sample Name: 480-18381-D-6-A Acquired: 4/12/2012 18:24:38 Type: Unk
Method: ICAP2 2012(v35) Mode: CONC Corr. Factor: 1.000000
User: LMH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	As1937	As1972	B_2089	Ba4554-2	Be3130	Ca3179
Line	328.068 {103}	308.215 {109}	189.042 {478}	193.759 {474}	197.262 {471}	208.959 {461}	455.403 { 74}2	313.042 {108}	317.933 {106}
IS Ref	(Y_3600)	(Y_3774)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3774)	(Y_3774)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00033**	**3.5305**	**.00303**	**.0045**	**-.0014**	**.61307**	**.04880**	**.00018**	**65.278**
Stddev	.00137	.0418	.00145	.0001	.0016	.00155	.00017	.00002	.814
%RSD	409.81	1.1837	47.975	2.107	111.9	.25285	.33924	11.832	1.2470
#1	-.00130	3.5009	.00406	.0046	-.0025	.61417	.04892	.00017	64.702
#2	.00063	3.5601	.00200	.0045	-.0003	.61197	.04868	.00020	65.854
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Cd2288	Co2286	Cr2677	Cu3247	Fe2599	K_7664	K_7664-2	Li6707	Mg2790
Line	228.802 {447}	228.616 {447}	267.716 {126}	324.754 {104}	259.940 {130}	766.490 { 44}	766.490 { 44}2	670.784 { 50}	279.079 {121}2
IS Ref	(Y_2243)	(In2306)	(Y_3600)	(Y_3600)	(Y_3774)	(Y_3774)	(Y_3600)	(Y_3774)	(Y_3600)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00018**	**.00071**	**.00181**	**.00052**	**.41536**	**.94077**	**.79030**	**.01001**	**18.475**
Stddev	.00026	.00020	.00005	.00046	.00596	.01226	.00146	.00020	.013
%RSD	147.81	28.137	2.5064	87.850	1.4344	1.3034	.18530	2.0217	.06842
#1	-.00001	.00057	.00178	.00020	.41115	.93210	.79134	.00987	18.484
#2	.00036	.00085	.00184	.00085	.41957	.94944	.78927	.01015	18.466
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Mn2576	Mo2020	Na5895	Ni2316	Pb2203	S_1820	Sb2068	Se1960	Si2881
Line	257.610 {131}	202.030 {467}	589.592 { 57}	231.604 {446}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}2
IS Ref	(Y_3600)	(Y_2243)	(Y_3774)	(In2306)	(In2306)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3774)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.03746**	**.00039**	**7.8967**	**.00075**	**.00385**	**2.3000**	**.00075**	**-.00193**	**7.6518**
Stddev	.00008	.00017	.0833	.00001	.00009	.0001	.00182	.00258	.1236
%RSD	.22156	43.436	1.0552	1.1796	2.2650	.00631	243.37	133.81	1.6152
#1	.03751	.00027	7.8378	.00076	.00379	2.2999	-.00054	-.00375	7.5644
#2	.03740	.00052	7.9556	.00074	.00392	2.3001	.00203	-.00010	7.7392
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Y_3600-2	Y_3710	Zn2062
Line	189.989 {477}	407.771 { 83}	334.904 {101}	190.856 {477}	292.402 {115}	360.073 { 94}2	371.030 { 91}	206.200 {163}
IS Ref	(In2306)	(Y_3774)	(Y_3600)	(In2306)	(Y_3600)	(none)	(none)	(Y_3600)
Units	ppm	ppm	ppm	ppm	ppm	Cts/S	Cts/S	ppm
Avg	**-.00018**	**.29290**	**.00175**	**.00041**	**.00436**	*****	*****	**.00114**
Stddev	.00022	.00334	.00040	.00074	.00031	-----	-----	.00021
%RSD	119.55	1.1387	23.050	180.86	7.0192	-----	-----	18.774
#1	-.00034	.29054	.00147	.00094	.00458	7493.	21880.	.00099
#2	-.00003	.29526	.00204	-.00011	.00414	7405.	21620.	.00129
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	None	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	**4540.4**	**7885.5**	**47647.**	**13965.**
Stddev	14.7	19.1	30.	127.
%RSD	.32335	.24245	.06375	.90795
#1	4530.1	7872.0	47626.	14055.
#2	4550.8	7899.0	47669.	13875.

Sample Name: 480-18381-D-7-A Acquired: 4/12/2012 18:26:41 Type: Unk
Method: ICAP2 2012(v35) Mode: CONC Corr. Factor: 1.000000
User: LMH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	As1937	As1972	B_2089	Ba4554-2	Be3130	Ca3179
Line	328.068 {103}	308.215 {109}	189.042 {478}	193.759 {474}	197.262 {471}	208.959 {461}	455.403 { 74}2	313.042 {108}	317.933 {106}
IS Ref	(Y_3600)	(Y_3774)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3774)	(Y_3774)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00194**	**12.504**	**.00465**	**.0155**	**-.0010**	**2.5568**	**.19966**	**.00056**	**94.411**
Stddev	.00027	.004	.00177	.0005	.0006	.0083	.00539	.00007	.169
%RSD	13.966	.03486	38.000	3.242	61.05	.32405	2.7017	12.004	.17893
#1	-.00214	12.507	.00340	.0158	-.0014	2.5510	.20347	.00061	94.292
#2	-.00175	12.500	.00590	.0151	-.0006	2.5627	.19584	.00051	94.531
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Cd2288	Co2286	Cr2677	Cu3247	Fe2599	K_7664	K_7664-2	Li6707	Mg2790
Line	228.802 {447}	228.616 {447}	267.716 {126}	324.754 {104}	259.940 {130}	766.490 { 44}	766.490 { 44}2	670.784 { 50}	279.079 {121}2
IS Ref	(Y_2243)	(In2306)	(Y_3600)	(Y_3600)	(Y_3774)	(Y_3774)	(Y_3600)	(Y_3774)	(Y_3600)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00017**	**.00163**	**.00706**	**.00103**	**.84565**	**5.0318**	**5.1283**	**.04261**	**19.324**
Stddev	.00002	.00006	.00006	.00069	.00083	.0024	.1889	.00073	.531
%RSD	9.6531	3.9782	.88530	67.177	.09787	.04770	3.6831	1.7154	2.7491
#1	.00019	.00159	.00702	.00054	.84624	5.0335	5.2618	.04210	19.700
#2	.00016	.00168	.00711	.00152	.84507	5.0301	4.9947	.04313	18.949
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Mn2576	Mo2020	Na5895	Ni2316	Pb2203	S_1820	Sb2068	Se1960	Si2881
Line	257.610 {131}	202.030 {467}	589.592 { 57}	231.604 {446}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}2
IS Ref	(Y_3600)	(Y_2243)	(Y_3774)	(In2306)	(In2306)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3774)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.15711**	**.00259**	**23.380**	**.00191**	**.01114**	**2.4274**	**.00090**	**-.00266**	**5.6570**
Stddev	.00410	.00021	.025	.00008	.00031	.0052	.00038	.00279	.0502
%RSD	2.6109	8.2598	.10539	4.1682	2.7502	.21212	42.300	104.84	.88814
#1	.16001	.00244	23.363	.00185	.01092	2.4238	.00117	-.00069	5.6925
#2	.15421	.00274	23.397	.00196	.01135	2.4311	.00063	-.00463	5.6214
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Y_3600-2	Y_3710	Zn2062
Line	189.989 {477}	407.771 { 83}	334.904 {101}	190.856 {477}	292.402 {115}	360.073 { 94}2	371.030 { 91}	206.200 {163}
IS Ref	(In2306)	(Y_3774)	(Y_3600)	(In2306)	(Y_3600)	(none)	(none)	(Y_3600)
Units	ppm	ppm	ppm	ppm	ppm	Cts/S	Cts/S	ppm
Avg	**.00005**	**.86311**	**.00311**	**.00109**	**.00274**	*****	*****	**.00275**
Stddev	.00091	.00204	.00050	.00023	.00024	-----	-----	.00025
%RSD	1943.7	.23679	16.134	20.734	8.7536	-----	-----	8.9593
#1	.00069	.86166	.00275	.00125	.00257	7406.	21700.	.00293
#2	-.00060	.86455	.00346	.00093	.00291	7463.	21940.	.00258
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	None	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	**4478.2**	**7847.9**	**47474.**	**14072.**
Stddev	7.0	15.2	1166.	69.
%RSD	.15725	.19413	2.4555	.48945
#1	4483.2	7858.6	46650.	14023.
#2	4473.2	7837.1	48299.	14121.

Sample Name: 480-18381-D-8-A Acquired: 4/12/2012 18:28:51 Type: Unk
Method: ICAP2 2012(v35) Mode: CONC Corr. Factor: 1.000000
User: LMH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	As1937	As1972	B_2089	Ba4554-2	Be3130	Ca3179
Line	328.068 {103}	308.215 {109}	189.042 {478}	193.759 {474}	197.262 {471}	208.959 {461}	455.403 { 74}2	313.042 {108}	317.933 {106}
IS Ref	(Y_3600)	(Y_3774)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3774)	(Y_3774)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00051**	**.03350**	**.00028**	**.0010**	**-.0052**	**.40352**	**.11774**	**.00001**	**115.16**
Stddev	.00043	.00190	.00042	.0010	.0044	.00496	.00001	.00003	1.92
%RSD	83.816	5.6753	150.26	97.74	84.79	1.2297	.00707	563.02	1.6636
#1	-.00021	.03216	.00057	.0003	-.0083	.40703	.11774	-.00002	113.80
#2	-.00081	.03484	-.00002	.0017	-.0021	.40001	.11775	.00003	116.51
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Cd2288	Co2286	Cr2677	Cu3247	Fe2599	K_7664	K_7664-2	Li6707	Mg2790
Line	228.802 {447}	228.616 {447}	267.716 {126}	324.754 {104}	259.940 {130}	766.490 { 44}	766.490 { 44}2	670.784 { 50}	279.079 {121}2
IS Ref	(Y_2243)	(In2306)	(Y_3600)	(Y_3600)	(Y_3774)	(Y_3774)	(Y_3600)	(Y_3774)	(Y_3600)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00013**	**.00145**	**-.00095**	**.00185**	**.08945**	**1.3068**	**1.2803**	**.02111**	**31.073**
Stddev	.00004	.00001	.00046	.00052	.00124	.0484	.0006	.00063	.017
%RSD	28.637	.49751	48.498	28.300	1.3849	3.7040	.04714	3.0058	.05367
#1	.00015	.00146	-.00062	.00222	.08857	1.2725	1.2807	.02156	31.085
#2	.00010	.00145	-.00128	.00148	.09032	1.3410	1.2798	.02066	31.062
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Mn2576	Mo2020	Na5895	Ni2316	Pb2203	S_1820	Sb2068	Se1960	Si2881
Line	257.610 {131}	202.030 {467}	589.592 { 57}	231.604 {446}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}2
IS Ref	(Y_3600)	(Y_2243)	(Y_3774)	(In2306)	(In2306)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3774)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.11368**	**.00045**	**13.758**	**.00138**	**.00072**	**2.7308**	**-.00007**	**-.00298**	**9.8175**
Stddev	.00032	.00016	.240	.00020	.00115	.0099	.00008	.00114	.1515
%RSD	.27765	35.557	1.7480	14.817	159.44	.36356	114.54	38.262	1.5434
#1	.11346	.00034	13.588	.00124	-.00009	2.7378	-.00012	-.00217	9.7103
#2	.11390	.00057	13.928	.00153	.00153	2.7238	-.00001	-.00379	9.9246
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Y_3600-2	Y_3710	Zn2062
Line	189.989 {477}	407.771 { 83}	334.904 {101}	190.856 {477}	292.402 {115}	360.073 { 94}2	371.030 { 91}	206.200 {163}
IS Ref	(In2306)	(Y_3774)	(Y_3600)	(In2306)	(Y_3600)	(none)	(none)	(Y_3600)
Units	ppm	ppm	ppm	ppm	ppm	Cts/S	Cts/S	ppm
Avg	**-.00015**	**.29696**	**.00086**	**-.00030**	**.00333**	*****	*****	**.00041**
Stddev	.00041	.00549	.00041	.00128	.00007	-----	-----	.00008
%RSD	274.78	1.8473	47.715	432.64	2.2268	-----	-----	20.149
#1	-.00044	.29308	.00115	-.00120	.00338	7546.	22160.	.00047
#2	.00014	.30084	.00057	.00061	.00327	7478.	21910.	.00036
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	None	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	**4502.9**	**7834.4**	**47105.**	**14210.**
Stddev	21.0	28.3	60.	112.
%RSD	.46706	.36133	.12663	.79097
#1	4488.0	7814.3	47063.	14289.
#2	4517.8	7854.4	47147.	14130.

Sample Name: 480-18381-D-9-A Acquired: 4/12/2012 18:30:54 Type: Unk
Method: ICAP2 2012(v35) Mode: CONC Corr. Factor: 1.000000
User: LMH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	As1937	As1972	B_2089	Ba4554-2	Be3130	Ca3179
Line	328.068 {103}	308.215 {109}	189.042 {478}	193.759 {474}	197.262 {471}	208.959 {461}	455.403 { 74}2	313.042 {108}	317.933 {106}
IS Ref	(Y_3600)	(Y_3774)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3774)	(Y_3774)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00112**	**.07698**	**-.00118**	**-.0003**	**-.0026**	**.46972**	**.04616**	**.00009**	**39.521**
Stddev	.00052	.03201	.00014	.0017	.0005	.00043	.00045	.00002	.041
%RSD	46.334	41.582	11.949	585.6	20.08	.09253	.98367	24.665	.10265
#1	-.00148	.05434	-.00128	.0009	-.0022	.46941	.04584	.00011	39.550
#2	-.00075	.09961	-.00108	-.0015	-.0030	.47002	.04648	.00008	39.492
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Cd2288	Co2286	Cr2677	Cu3247	Fe2599	K_7664	K_7664-2	Li6707	Mg2790
Line	228.802 {447}	228.616 {447}	267.716 {126}	324.754 {104}	259.940 {130}	766.490 { 44}	766.490 { 44}2	670.784 { 50}	279.079 {121}2
IS Ref	(Y_2243)	(In2306)	(Y_3600)	(Y_3600)	(Y_3774)	(Y_3774)	(Y_3600)	(Y_3774)	(Y_3600)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00024**	**-.00001**	**-.00028**	**.00079**	**.18149**	**1.1660**	**1.0378**	**.00572**	**13.780**
Stddev	.00019	.00008	.00073	.00050	.00198	.0181	.0114	.00054	.143
%RSD	80.050	548.73	264.48	62.635	1.0887	1.5550	1.1004	9.3748	1.0412
#1	.00010	.00004	.00024	.00114	.18289	1.1789	1.0297	.00610	13.678
#2	.00037	-.00007	-.00079	.00044	.18009	1.1532	1.0458	.00534	13.881
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Mn2576	Mo2020	Na5895	Ni2316	Pb2203	S_1820	Sb2068	Se1960	Si2881
Line	257.610 {131}	202.030 {467}	589.592 { 57}	231.604 {446}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}2
IS Ref	(Y_3600)	(Y_2243)	(Y_3774)	(In2306)	(In2306)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3774)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.06283**	**.00154**	**18.429**	**.00001**	**.00086**	**.41935**	**-.00021**	**-.00139**	**7.6218**
Stddev	.00054	.00006	.006	.00014	.00031	.00295	.00127	.00222	.0054
%RSD	.86428	3.6647	.03107	966.59	35.562	.70384	608.54	160.47	.07041
#1	.06245	.00158	18.425	.00012	.00064	.42144	.00069	.00019	7.6256
#2	.06322	.00150	18.433	-.00009	.00108	.41727	-.00110	-.00296	7.6180
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Y_3600-2	Y_3710	Zn2062
Line	189.989 {477}	407.771 { 83}	334.904 {101}	190.856 {477}	292.402 {115}	360.073 { 94}2	371.030 { 91}	206.200 {163}
IS Ref	(In2306)	(Y_3774)	(Y_3600)	(In2306)	(Y_3600)	(none)	(none)	(Y_3600)
Units	ppm	ppm	ppm	ppm	ppm	Cts/S	Cts/S	ppm
Avg	**-.00030**	**.38846**	**.00060**	**-.00056**	**.00035**	*****	*****	**.00063**
Stddev	.00025	.00049	.00042	.00033	.00013	-----	-----	.00032
%RSD	82.885	.12537	69.343	60.013	38.036	-----	-----	50.374
#1	-.00048	.38881	.00031	-.00079	.00045	7452.	21720.	.00085
#2	-.00013	.38812	.00090	-.00032	.00026	7492.	21910.	.00040
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	None	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	**4595.3**	**7942.4**	**47732.**	**13982.**
Stddev	2.7	3.2	251.	45.
%RSD	.05918	.04007	.52573	.32236
#1	4593.4	7940.1	47910.	13950.
#2	4597.2	7944.6	47555.	14014.

Sample Name: 480-18383-E-1-A Acquired: 4/12/2012 18:33:00 Type: Unk
Method: ICAP2 2012(v35) Mode: CONC Corr. Factor: 1.000000
User: LMH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	As1937	As1972	B_2089	Ba4554-2	Be3130	Ca3179
Line	328.068 {103}	308.215 {109}	189.042 {478}	193.759 {474}	197.262 {471}	208.959 {461}	455.403 { 74}2	313.042 {108}	317.933 {106}
IS Ref	(Y_3600)	(Y_3774)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3774)	(Y_3774)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00105**	**.07677**	**.00178**	**.0019**	**-.0038**	**.03053**	**.03580**	**.00001**	**80.785**
Stddev	.00073	.00402	.00007	.0008	.0006	.00071	.00003	.00003	.476
%RSD	69.184	5.2365	4.2078	41.45	15.29	2.3102	.08776	186.95	.58918
#1	-.00157	.07393	.00183	.0014	-.0034	.03103	.03578	.00003	80.449
#2	-.00054	.07961	.00173	.0025	-.0042	.03003	.03582	.00000	81.122
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Cd2288	Co2286	Cr2677	Cu3247	Fe2599	K_7664	K_7664-2	Li6707	Mg2790
Line	228.802 {447}	228.616 {447}	267.716 {126}	324.754 {104}	259.940 {130}	766.490 { 44}	766.490 { 44}2	670.784 { 50}	279.079 {121}2
IS Ref	(Y_2243)	(In2306)	(Y_3600)	(Y_3600)	(Y_3774)	(Y_3774)	(Y_3600)	(Y_3774)	(Y_3600)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00013**	**.00001**	**.00035**	**.00348**	**.01569**	**.63786**	**.56674**	**.00595**	**19.494**
Stddev	.00005	.00000	.00019	.00061	.00125	.00658	.00063	.00061	.003
%RSD	38.450	9.0736	54.109	17.404	7.9663	1.0320	.11089	10.306	.01584
#1	.00017	.00001	.00022	.00305	.01481	.64252	.56719	.00552	19.496
#2	.00010	.00002	.00049	.00391	.01658	.63321	.56630	.00638	19.491
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Mn2576	Mo2020	Na5895	Ni2316	Pb2203	S_1820	Sb2068	Se1960	Si2881
Line	257.610 {131}	202.030 {467}	589.592 { 57}	231.604 {446}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}2
IS Ref	(Y_3600)	(Y_2243)	(Y_3774)	(In2306)	(In2306)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3774)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00017**	**-.00003**	**5.2415**	**.00061**	**.00106**	**.44303**	**-.00040**	**.00012**	**9.2068**
Stddev	.00004	.00016	.0332	.00056	.00016	.00008	.00172	.00383	.0682
%RSD	25.033	595.58	.63336	91.363	14.603	.01764	429.98	3191.4	.74038
#1	.00014	-.00014	5.2180	.00022	.00117	.44297	-.00161	-.00259	9.1586
#2	.00020	.00009	5.2650	.00100	.00095	.44309	.00081	.00283	9.2550
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Y_3600-2	Y_3710	Zn2062
Line	189.989 {477}	407.771 { 83}	334.904 {101}	190.856 {477}	292.402 {115}	360.073 { 94}2	371.030 { 91}	206.200 {163}
IS Ref	(In2306)	(Y_3774)	(Y_3600)	(In2306)	(Y_3600)	(none)	(none)	(Y_3600)
Units	ppm	ppm	ppm	ppm	ppm	Cts/S	Cts/S	ppm
Avg	**-.00037**	**.08850**	**.00086**	**-.00018**	**.00511**	*****	*****	**.00121**
Stddev	.00030	.00062	.00017	.00049	.00013	-----	-----	.00016
%RSD	82.633	.70253	20.160	280.76	2.5439	-----	-----	12.915
#1	-.00058	.08806	.00073	.00017	.00520	7456.	21840.	.00132
#2	-.00015	.08894	.00098	-.00052	.00502	7451.	21850.	.00110
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	None	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	**4558.5**	**7873.0**	**47493.**	**14033.**
Stddev	16.9	29.4	43.	51.
%RSD	.37088	.37387	.09123	.36303
#1	4546.6	7852.2	47462.	14069.
#2	4570.5	7893.8	47523.	13997.

Sample Name: CCV Acquired: 4/12/2012 18:35:08 Type: QC
Method: ICAP2 2012(v35) Mode: CONC Corr. Factor: 1.000000
User: LMH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	As1937	As1972	B_2089	Ba4554-2	Be3130	Ca3179	Cd2288	Co2286	Cr2677	Cu3247
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.50243**	**25.236**	**.50002**	**.5009**	**.5002**	**.49833**	**.51591**	**.48821**	**24.848**	**.50134**	**.49052**	**.51279**	**.50356**
Stddev	.00116	.492	.00270	.0005	.0030	.00022	.00020	.00796	.401	.00006	.00012	.00175	.00127
%RSD	.23075	1.9503	.54003	.0920	.5970	.04443	.03851	1.6301	1.6120	.01185	.02491	.34116	.25152
#1	.50325	24.888	.49811	.5012	.5023	.49848	.51605	.48259	24.565	.50138	.49060	.51156	.50445
#2	.50161	25.584	.50193	.5005	.4981	.49817	.51577	.49384	25.131	.50130	.49043	.51403	.50266
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	Fe2599	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	ppm
Avg	**24.709**	**26.306**	**25.568**	**.52395**	**25.445**	**.52070**	**.51413**	**26.036**	**.49876**	**.49782**	**25.051**	**.50910**	**.49974**
Stddev	.435	.463	.239	.00705	.012	.00117	.00012	.435	.00104	.00239	.005	.00075	.00037
%RSD	1.7587	1.7611	.93546	1.3460	.04681	.22424	.02275	1.6717	.20867	.48068	.01995	.14804	.07344
#1	24.402	25.978	25.737	.51896	25.453	.51987	.51421	25.728	.49803	.49951	25.047	.50964	.50000
#2	25.017	26.633	25.399	.52893	25.436	.52153	.51405	26.343	.49950	.49613	25.054	.50857	.49949
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	Si2881	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Y_3600-2	Y_3710	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm	Cts/S	Cts/S	ppm
Avg	**24.237**	**.52815**	**.50566**	**.50739**	**.51667**	**.50993**	z *****	z *****	**.52997**
Stddev	.391	.00098	.00923	.00152	.00107	.00020	-----	-----	.00001
%RSD	1.6115	.18608	1.8250	.29883	.20742	.03869	-----	-----	.00127
#1	23.961	.52885	.49913	.50632	.51592	.51007	z 7426.	z 21750.	.52996
#2	24.513	.52746	.51218	.50847	.51743	.50979	z 7304.	z 21300.	.52997
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	None	Chk Pass
Value									
Range									

Int. Std.	In2306	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**4524.6**	**7903.2**	**47237.**	**13784.**
Stddev	.7	2.8	74.	216.
%RSD	.01446	.03491	.15766	1.5663
#1	4525.0	7905.2	47290.	13936.
#2	4524.1	7901.3	47185.	13631.

Sample Name: CCB Acquired: 4/12/2012 18:37:07 Type: QC
Method: ICAP2 2012(v35) Mode: CONC Corr. Factor: 1.000000
User: LMH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	As1937	As1972	B_2089	Ba4554-2	Be3130	Ca3179	Cd2288	Co2286	Cr2677	Cu3247
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00068**	**.03597**	**.00124**	**.0002**	**-.0009**	**.00251**	**.00004**	**.00013**	**.01164**	**.00007**	**.00006**	**-.00039**	**-.00023**
Stddev	.00062	.01711	.00139	.0001	.0011	.00015	.00001	.00001	.00052	.00017	.00015	.00017	.00018
%RSD	90.557	47.567	111.55	34.59	130.0	5.8414	30.214	5.7732	4.4405	231.95	266.92	42.744	78.300
#1	-.00112	.04807	.00026	.0002	-.0001	.00262	.00005	.00013	.01128	-.00005	.00017	-.00027	-.00010
#2	-.00024	.02387	.00222	.0003	-.0016	.00241	.00003	.00014	.01201	.00019	-.00005	-.00051	-.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	Fe2599	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	ppm
Avg	**.00044**	**.08659**	**.00227**	**-.00112**	**.00086**	**.00006**	**.00011**	**.03702**	**.00046**	**.00146**	**-.00469**	**.00098**	**-.00053**
Stddev	.00063	.06141	.00012	.00147	.00135	.00001	.00006	.00278	.00020	.00135	.00248	.00049	.00187
%RSD	144.46	70.922	5.3610	131.31	156.68	14.306	53.891	7.5166	42.576	92.035	52.929	49.349	350.92
#1	-.00001	.04317	.00219	-.00008	.00181	.00005	.00016	.03898	.00060	.00051	-.00293	.00064	.00079
#2	.00089	.13001	.00236	-.00215	-.00009	.00006	.00007	.03505	.00032	.00241	-.00644	.00133	-.00185
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	Si2881	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Y_3600-2	Y_3710	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm	Cts/S	Cts/S	ppm
Avg	**.01389**	**.00025**	**.00026**	**.00041**	**-.00032**	**.00086**	z *****	z *****	**-.00035**
Stddev	.00340	.00034	.00000	.00031	.00079	.00003	-----	-----	.00009
%RSD	24.438	136.34	.37916	75.822	248.63	3.7984	-----	-----	25.675
#1	.01630	.00001	.00026	.00019	-.00087	.00089	z 7388.	z 21610.	-.00042
#2	.01149	.00049	.00026	.00063	.00024	.00084	z 7437.	z 21710.	-.00029
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	None	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	**4701.4**	**8026.7**	**48910.**	**13927.**
Stddev	5.1	5.8	17.	58.
%RSD	.10909	.07226	.03433	.41509
#1	4705.1	8030.8	48898.	13886.
#2	4697.8	8022.6	48922.	13968.

Sample Name: 480-18383-E-2-A Acquired: 4/12/2012 18:39:18 Type: Unk
Method: ICAP2 2012(v35) Mode: CONC Corr. Factor: 1.000000
User: LMH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	As1937	As1972	B_2089	Ba4554-2	Be3130	Ca3179
Line	328.068 {103}	308.215 {109}	189.042 {478}	193.759 {474}	197.262 {471}	208.959 {461}	455.403 { 74}2	313.042 {108}	317.933 {106}
IS Ref	(Y_3600)	(Y_3774)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3774)	(Y_3774)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00108**	**.03852**	**.00110**	**.0014**	**-.0018**	**.25895**	**.01336**	**.00002**	**51.469**
Stddev	.00043	.01135	.00282	.0011	.0023	.00062	.00003	.00010	.832
%RSD	40.034	29.472	256.96	75.57	127.4	.23780	.23283	438.55	1.6174
#1	-.00139	.03049	-.00090	.0022	-.0002	.25852	.01338	.00009	50.881
#2	-.00078	.04655	.00309	.0007	-.0034	.25939	.01333	-.00005	52.058
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Cd2288	Co2286	Cr2677	Cu3247	Fe2599	K_7664	K_7664-2	Li6707	Mg2790
Line	228.802 {447}	228.616 {447}	267.716 {126}	324.754 {104}	259.940 {130}	766.490 { 44}	766.490 { 44}2	670.784 { 50}	279.079 {121}2
IS Ref	(Y_2243)	(In2306)	(Y_3600)	(Y_3600)	(Y_3774)	(Y_3774)	(Y_3600)	(Y_3774)	(Y_3600)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00003**	**.00031**	**-.00061**	**.00093**	**.01235**	**.69039**	**.58264**	**.00644**	**15.816**
Stddev	.00004	.00004	.00001	.00048	.00333	.00402	.00132	.00229	.020
%RSD	152.53	12.675	2.3490	52.220	26.972	.58226	.22732	35.553	.12553
#1	-.00006	.00034	-.00060	.00059	.00999	.68755	.58171	.00806	15.802
#2	.00000	.00028	-.00062	.00127	.01470	.69323	.58358	.00482	15.830
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Mn2576	Mo2020	Na5895	Ni2316	Pb2203	S_1820	Sb2068	Se1960	Si2881
Line	257.610 {131}	202.030 {467}	589.592 { 57}	231.604 {446}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}2
IS Ref	(Y_3600)	(Y_2243)	(Y_3774)	(In2306)	(In2306)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3774)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00023**	**.00035**	**7.9941**	**.00056**	**.00071**	**2.1145**	**.00112**	**.00184**	**6.9546**
Stddev	.00001	.00021	.1250	.00045	.00137	.0071	.00076	.00304	.1563
%RSD	2.2175	59.510	1.5634	81.582	193.70	.33433	67.781	165.27	2.2478
#1	.00023	.00020	7.9058	.00088	-.00026	2.1095	.00166	-.00031	6.8440
#2	.00024	.00050	8.0825	.00024	.00168	2.1195	.00058	.00399	7.0651
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Y_3600-2	Y_3710	Zn2062
Line	189.989 {477}	407.771 { 83}	334.904 {101}	190.856 {477}	292.402 {115}	360.073 { 94}2	371.030 { 91}	206.200 {163}
IS Ref	(In2306)	(Y_3774)	(Y_3600)	(In2306)	(Y_3600)	(none)	(none)	(Y_3600)
Units	ppm	ppm	ppm	ppm	ppm	Cts/S	Cts/S	ppm
Avg	**-.00043**	**.20343**	**.00087**	**-.00068**	**.00509**	*****	*****	**.00180**
Stddev	.00026	.00341	.00014	.00001	.00060	-----	-----	.00008
%RSD	59.372	1.6780	15.544	.99282	11.765	-----	-----	4.7181
#1	-.00061	.20102	.00097	-.00068	.00552	7509.	22140.	.00174
#2	-.00025	.20584	.00078	-.00069	.00467	7410.	21820.	.00186
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	None	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	**4582.7**	**7900.2**	**47776.**	**14156.**
Stddev	.6	13.4	22.	105.
%RSD	.01250	.16919	.04641	.73959
#1	4583.1	7909.6	47792.	14230.
#2	4582.3	7890.7	47761.	14082.

Sample Name: MB 480-58757/19-B Acquired: 4/12/2012 18:41:23 Type: Unk
Method: ICAP2 2012(v35) Mode: CONC Corr. Factor: 1.000000
User: LMH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	As1937	As1972	B_2089	Ba4554-2	Be3130	Ca3179
Line	328.068 {103}	308.215 {109}	189.042 {478}	193.759 {474}	197.262 {471}	208.959 {461}	455.403 { 74}2	313.042 {108}	317.933 {106}
IS Ref	(Y_3600)	(Y_3774)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3774)	(Y_3774)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00167**	**.06472**	**-.00036**	**.0015**	**.0007**	**.00706**	**.00003**	**-.00001**	**.08636**
Stddev	.00184	.02204	.00214	.0015	.0001	.00046	.00000	.00001	.00091
%RSD	110.35	34.054	592.35	104.1	19.09	6.5409	6.1471	156.12	1.0550
#1	-.00298	.04913	.00115	.0026	.0006	.00738	.00003	.00000	.08571
#2	-.00037	.08030	-.00187	.0004	.0008	.00673	.00003	-.00001	.08700
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Cd2288	Co2286	Cr2677	Cu3247	Fe2599	K_7664	K_7664-2	Li6707	Mg2790
Line	228.802 {447}	228.616 {447}	267.716 {126}	324.754 {104}	259.940 {130}	766.490 { 44}	766.490 { 44}2	670.784 { 50}	279.079 {121}2
IS Ref	(Y_2243)	(In2306)	(Y_3600)	(Y_3600)	(Y_3774)	(Y_3774)	(Y_3600)	(Y_3774)	(Y_3600)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00006**	**.00014**	**-.00073**	**-.00005**	**.03058**	**.06097**	**.01142**	**.00099**	**.00017**
Stddev	.00003	.00023	.00023	.00020	.00084	.03150	.00014	.00097	.00179
%RSD	56.978	164.59	31.131	398.96	2.7454	51.664	1.2441	97.262	1058.4
#1	.00008	-.00002	-.00090	.00009	.02999	.03870	.01132	.00031	.00143
#2	.00004	.00030	-.00057	-.00019	.03118	.08325	.01152	.00168	-.00109
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Mn2576	Mo2020	Na5895	Ni2316	Pb2203	S_1820	Sb2068	Se1960	Si2881
Line	257.610 {131}	202.030 {467}	589.592 { 57}	231.604 {446}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}2
IS Ref	(Y_3600)	(Y_2243)	(Y_3774)	(In2306)	(In2306)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3774)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00027**	**.00009**	**.07464**	**.00055**	**-.00014**	**.00245**	**.00022**	**-.00086**	**.01247**
Stddev	.00004	.00015	.00185	.00010	.00102	.00012	.00184	.00141	.01144
%RSD	16.119	167.65	2.4793	17.632	744.06	4.9538	832.68	163.03	91.736
#1	.00031	.00019	.07595	.00062	.00059	.00254	.00152	.00013	.00438
#2	.00024	-.00002	.07333	.00048	-.00086	.00237	-.00108	-.00186	.02057
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Y_3600-2	Y_3710	Zn2062
Line	189.989 {477}	407.771 { 83}	334.904 {101}	190.856 {477}	292.402 {115}	360.073 { 94}2	371.030 { 91}	206.200 {163}
IS Ref	(In2306)	(Y_3774)	(Y_3600)	(In2306)	(Y_3600)	(none)	(none)	(Y_3600)
Units	ppm	ppm	ppm	ppm	ppm	Cts/S	Cts/S	ppm
Avg	**-.00031**	**.00051**	**-.00022**	**-.00024**	**.00043**	F *****	*****	**.00052**
Stddev	.00044	.00001	.00006	.00006	.00018	-----	-----	.00015
%RSD	140.16	1.2195	26.064	24.229	43.079	-----	-----	28.643
#1	.00000	.00052	-.00026	-.00029	.00030	7514.	22030.	.00042
#2	-.00062	.00051	-.00018	-.00020	.00056	7505.	21960.	.00063
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass
High Limit						12.00		
Low Limit						8.000		

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	**4728.5**	**8103.1**	**49562.**	**14143.**
Stddev	1.2	6.0	.	82.
%RSD	.02504	.07441	.00091	.58026
#1	4727.6	8098.8	49562.	14201.
#2	4729.3	8107.4	49563.	14085.

Sample Name: LCS 480-58757/20-B Acquired: 4/12/2012 18:43:31 Type: Unk
Method: ICAP2 2012(v35) Mode: CONC Corr. Factor: 1.000000
User: LMH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	As1937	As1972	B_2089	Ba4554-2	Be3130	Ca3179
Line	328.068 {103}	308.215 {109}	189.042 {478}	193.759 {474}	197.262 {471}	208.959 {461}	455.403 { 74}2	313.042 {108}	317.933 {106}
IS Ref	(Y_3600)	(Y_3774)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3774)	(Y_3774)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.05030**	**10.451**	**.21083**	**.2108**	**.2099**	**.21610**	**.21468**	**.21568**	**10.396**
Stddev	.00062	.014	.00116	.0012	.0038	.00017	.00369	.00052	.022
%RSD	1.2390	.13853	.54868	.5516	1.816	.08018	1.7178	.24327	.21542
#1	.04986	10.441	.21165	.2117	.2072	.21622	.21729	.21531	10.380
#2	.05074	10.462	.21002	.2100	.2126	.21597	.21208	.21605	10.412
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Cd2288	Co2286	Cr2677	Cu3247	Fe2599	K_7664	K_7664-2	Li6707	Mg2790
Line	228.802 {447}	228.616 {447}	267.716 {126}	324.754 {104}	259.940 {130}	766.490 { 44}	766.490 { 44}2	670.784 { 50}	279.079 {121}2
IS Ref	(Y_2243)	(In2306)	(Y_3600)	(Y_3600)	(Y_3774)	(Y_3774)	(Y_3600)	(Y_3774)	(Y_3600)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.21164**	**.21301**	**.21315**	**.21195**	**10.201**	**10.807**	**9.5831**	**.22327**	**10.459**
Stddev	.00033	.00086	.00268	.00275	.060	.050	.1597	.00012	.179
%RSD	.15534	.40261	1.2593	1.2964	.59210	.46307	1.6665	.05341	1.7101
#1	.21141	.21241	.21505	.21389	10.159	10.772	9.6960	.22319	10.585
#2	.21187	.21362	.21125	.21000	10.244	10.842	9.4702	.22336	10.332
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Mn2576	Mo2020	Na5895	Ni2316	Pb2203	S_1820	Sb2068	Se1960	Si2881
Line	257.610 {131}	202.030 {467}	589.592 { 57}	231.604 {446}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}2
IS Ref	(Y_3600)	(Y_2243)	(Y_3774)	(In2306)	(In2306)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3774)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.21715**	**.22210**	**10.788**	**.21165**	**.21573**	**-.00476**	**.21447**	**.20703**	**10.048**
Stddev	.00359	.00007	.024	.00024	.00040	.00634	.00175	.00152	.009
%RSD	1.6551	.03281	.22517	.11484	.18317	133.04	.81660	.73619	.08787
#1	.21969	.22204	10.771	.21148	.21545	-.00028	.21323	.20595	10.054
#2	.21461	.22215	10.805	.21182	.21601	-.00925	.21570	.20811	10.042
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Y_3600-2	Y_3710	Zn2062
Line	189.989 {477}	407.771 { 83}	334.904 {101}	190.856 {477}	292.402 {115}	360.073 { 94}2	371.030 { 91}	206.200 {163}
IS Ref	(In2306)	(Y_3774)	(Y_3600)	(In2306)	(Y_3600)	(none)	(none)	(Y_3600)
Units	ppm	ppm	ppm	ppm	ppm	Cts/S	Cts/S	ppm
Avg	**.20782**	**.21253**	**.21071**	**.21948**	**.20797**	*****	*****	F **.23059**
Stddev	.00079	.00102	.00352	.00028	.00373	-----	-----	.00316
%RSD	.37908	.48010	1.6683	.12532	1.7924	-----	-----	1.3699
#1	.20726	.21181	.21319	.21929	.21061	7464.	21950.	.23282
#2	.20838	.21325	.20822	.21968	.20533	7494.	22010.	.22835
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	None	Chk Fail
High Limit								.23000
Low Limit								.17000

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	**4607.0**	**7974.3**	**48837.**	**14199.**
Stddev	5.5	2.3	473.	6.
%RSD	.12008	.02862	.96898	.04206
#1	4610.9	7972.7	48503.	14195.
#2	4603.1	7976.0	49172.	14203.

Sample Name: 480-18372-B-1-A Acquired: 4/12/2012 18:45:33 Type: Unk
Method: ICAP2 2012(v35) Mode: CONC Corr. Factor: 1.000000
User: LMH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	As1937	As1972	B_2089	Ba4554	Be3130	Ca3179
Line	328.068 {103}	308.215 {109}	189.042 {478}	193.759 {474}	197.262 {471}	208.959 {461}	455.403 { 74}	313.042 {108}	317.933 {106}
IS Ref	(Y_3600)	(Y_3774)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3774)	(Y_3774)	(Y_3774)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00105**	**8.9146**	**.00888**	**.0171**	**.0008**	**.09335**	**.81236**	**.00048**	**150.70**
Stddev	.00122	.0508	.00087	.0004	.0008	.00001	.00441	.00004	1.12
%RSD	116.35	.56953	9.7879	2.307	96.56	.01163	.54280	8.3557	.74286
#1	-.00191	8.8787	.00950	.0174	.0014	.09335	.80925	.00051	149.91
#2	-.00019	8.9505	.00827	.0168	.0003	.09336	.81548	.00045	151.49
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Cd2288	Co2286	Cr2677	Cu3247	Fe2599	K_7664	K_7664-2	Li6707	Mg2790
Line	228.802 {447}	228.616 {447}	267.716 {126}	324.754 {104}	259.940 {130}	766.490 { 44}	766.490 { 44}2	670.784 { 50}	279.079 {121}2
IS Ref	(Y_2243)	(In2306)	(Y_3600)	(Y_3600)	(Y_3774)	(Y_3774)	(Y_3600)	(Y_3774)	(Y_3600)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00050**	**.00561**	**.01434**	**.01571**	**22.809**	**42.434**	**55.619**	**.05109**	**28.663**
Stddev	.00003	.00003	.00022	.00053	.124	.200	.181	.00091	.287
%RSD	6.5887	.50018	1.4998	3.3434	.54463	.47146	.32480	1.7821	1.0018
#1	.00048	.00559	.01449	.01534	22.721	42.293	55.747	.05044	28.866
#2	.00052	.00563	.01418	.01609	22.897	42.576	55.491	.05173	28.460
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Mn2576	Mo2020	Na8183	Ni2316	Pb2203	S_1820	Sb2068	Se1960	Si2881
Line	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}2
IS Ref	(Y_3600)	(Y_2243)	(Y_3774)	(In2306)	(In2306)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3774)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.0263**	**.00386**	**395.54**	**.02014**	**.00544**	**29.634**	**.00196**	**.00089**	**18.698**
Stddev	.0083	.00002	2.76	.00007	.00160	.016	.00162	.00061	.089
%RSD	.81098	.64701	.69654	.34332	29.334	.05466	82.580	68.518	.47502
#1	1.0321	.00384	393.59	.02019	.00657	29.646	.00081	.00133	18.635
#2	1.0204	.00387	397.48	.02009	.00431	29.623	.00310	.00046	18.760
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Y_3600-2	Y_3710	Zn2062
Line	189.989 {477}	407.771 { 83}	334.904 {101}	190.856 {477}	292.402 {115}	360.073 { 94}2	371.030 { 91}	206.200 {163}
IS Ref	(In2306)	(Y_3774)	(Y_3600)	(In2306)	(Y_3600)	(none)	(none)	(Y_3600)
Units	ppm	ppm	ppm	ppm	ppm	Cts/S	Cts/S	ppm
Avg	**.00158**	**1.2031**	**.29023**	**-.00180**	**.02591**	*****	*****	**.04871**
Stddev	.00031	.0064	.01455	.00004	.00100	-----	-----	.00064
%RSD	19.553	.52997	5.0137	1.9871	3.8770	-----	-----	1.3238
#1	.00136	1.1986	.27994	-.00177	.02662	7410.	21830.	.04917
#2	.00180	1.2076	.30052	-.00182	.02520	7369.	21720.	.04825
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	None	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	**4158.5**	**7542.1**	**44590.**	**14051.**
Stddev	1.4	12.0	364.	62.
%RSD	.03433	.15949	.81620	.43969
#1	4159.5	7550.6	44332.	14094.
#2	4157.5	7533.6	44847.	14007.

Sample Name: 480-18372-B-2-A Acquired: 4/12/2012 18:47:59 Type: Unk
Method: ICAP2 2012(v35) Mode: CONC Corr. Factor: 1.000000
User: LMH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	As1937	As1972	B_2089	Ba4554-2	Be3130	Ca3179
Line	328.068 {103}	308.215 {109}	189.042 {478}	193.759 {474}	197.262 {471}	208.959 {461}	455.403 { 74}2	313.042 {108}	317.933 {106}
IS Ref	(Y_3600)	(Y_3774)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3774)	(Y_3774)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00054**	**.09077**	**.00798**	**.0062**	**.0026**	**.34975**	**.20089**	**.00006**	**33.467**
Stddev	.00134	.00487	.00295	.0013	.0033	.00071	.00067	.00003	.090
%RSD	247.56	5.3658	36.943	20.34	122.7	.20438	.33284	53.884	.26818
#1	-.00149	.09421	.01006	.0071	.0004	.35025	.20042	.00008	33.404
#2	.00041	.08732	.00589	.0053	.0049	.34924	.20136	.00004	33.531
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Cd2288	Co2286	Cr2677	Cu3247	Fe2599	K_7664	K_7664-2	Li6707	Mg2790
Line	228.802 {447}	228.616 {447}	267.716 {126}	324.754 {104}	259.940 {130}	766.490 { 44}	766.490 { 44}2	670.784 { 50}	279.079 {121}2
IS Ref	(Y_2243)	(In2306)	(Y_3600)	(Y_3600)	(Y_3774)	(Y_3774)	(Y_3600)	(Y_3774)	(Y_3600)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00021**	**.00019**	**-.00061**	**.00056**	**.06779**	**8.3777**	**9.7090**	**.07169**	**24.154**
Stddev	.00004	.00028	.00038	.00066	.00303	.0086	.1817	.00122	.130
%RSD	20.003	145.90	63.419	117.99	4.4739	.10235	1.8716	1.6985	.53901
#1	.00024	-.00001	-.00088	.00103	.06564	8.3838	9.5805	.07255	24.062
#2	.00018	.00039	-.00033	.00009	.06993	8.3716	9.8375	.07083	24.246
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Mn2576	Mo2020	Na8183	Ni2316	Pb2203	S_1820	Sb2068	Se1960	Si2881
Line	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}2
IS Ref	(Y_3600)	(Y_2243)	(Y_3774)	(In2306)	(In2306)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3774)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.05523**	**.00571**	**97.749**	**.00161**	**.00055**	**4.3291**	**.00201**	**-.00129**	**5.1634**
Stddev	.00032	.00020	.153	.00010	.00091	.0151	.00168	.00015	.0071
%RSD	.58061	3.4682	.15689	6.3286	165.51	.34908	83.567	11.430	.13703
#1	.05501	.00585	97.858	.00168	.00119	4.3398	.00320	-.00119	5.1684
#2	.05546	.00557	97.641	.00154	-.00009	4.3184	.00082	-.00140	5.1584
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Y_3600-2	Y_3710	Zn2062
Line	189.989 {477}	407.771 { 83}	334.904 {101}	190.856 {477}	292.402 {115}	360.073 { 94}2	371.030 { 91}	206.200 {163}
IS Ref	(In2306)	(Y_3774)	(Y_3600)	(In2306)	(Y_3600)	(none)	(none)	(Y_3600)
Units	ppm	ppm	ppm	ppm	ppm	Cts/S	Cts/S	ppm
Avg	**-.00007**	**1.3940**	**.00158**	**.00037**	**-.00019**	*****	*****	**.00459**
Stddev	.00067	.0009	.00115	.00021	.00094	-----	-----	.00012
%RSD	968.89	.06171	72.554	56.966	494.28	-----	-----	2.6404
#1	-.00055	1.3946	.00077	.00022	-.00085	7331.	21550.	.00450
#2	.00041	1.3934	.00239	.00052	.00047	7341.	21600.	.00467
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	None	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	**4464.2**	**7777.3**	**46330.**	**13891.**
Stddev	17.7	28.0	366.	3.
%RSD	.39622	.36034	.79000	.02469
#1	4451.7	7757.5	46589.	13889.
#2	4476.7	7797.1	46071.	13894.

Sample Name: 480-18372-B-3-A Acquired: 4/12/2012 18:50:09 Type: Unk
Method: ICAP2 2012(v35) Mode: CONC Corr. Factor: 1.000000
User: LMH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	As1937	As1972	B_2089	Ba4554-2	Be3130	Ca3179
Line	328.068 {103}	308.215 {109}	189.042 {478}	193.759 {474}	197.262 {471}	208.959 {461}	455.403 { 74}2	313.042 {108}	317.933 {106}
IS Ref	(Y_3600)	(Y_3774)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3774)	(Y_3774)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00129**	**.06178**	**-.00031**	**.0012**	**-.0016**	**.12490**	**.63357**	**.00003**	**94.351**
Stddev	.00034	.03076	.00218	.0006	.0012	.00014	.00140	.00004	.397
%RSD	26.347	49.783	695.40	53.89	76.59	.11297	.22029	119.53	.42106
#1	-.00105	.08353	.00123	.0016	-.0007	.12480	.63456	.00006	94.070
#2	-.00153	.04003	-.00186	.0007	-.0024	.12500	.63259	.00000	94.631
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Cd2288	Co2286	Cr2677	Cu3247	Fe2599	K_7664	K_7664-2	Li6707	Mg2790
Line	228.802 {447}	228.616 {447}	267.716 {126}	324.754 {104}	259.940 {130}	766.490 { 44}	766.490 { 44}2	670.784 { 50}	279.079 {121}2
IS Ref	(Y_2243)	(In2306)	(Y_3600)	(Y_3600)	(Y_3774)	(Y_3774)	(Y_3600)	(Y_3774)	(Y_3600)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.02000**	**.00024**	**-.00056**	**.00194**	**1.0278**	**6.3945**	**8.9916**	**.03434**	**36.279**
Stddev	.00011	.00008	.00004	.00063	.0049	.0352	.1432	.00144	.006
%RSD	.53998	33.332	6.7425	32.711	.47929	.55130	1.5928	4.1963	.01605
#1	.02007	.00030	-.00053	.00239	1.0243	6.3695	8.8904	.03536	36.283
#2	.01992	.00018	-.00058	.00149	1.0313	6.4194	9.0929	.03332	36.275
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Mn2576	Mo2020	Na8183	Ni2316	Pb2203	S_1820	Sb2068	Se1960	Si2881
Line	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}2
IS Ref	(Y_3600)	(Y_2243)	(Y_3774)	(In2306)	(In2306)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3774)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.20816**	**.00166**	**258.94**	**.00325**	**-.00120**	**.56486**	**.00155**	**-.00121**	**2.5649**
Stddev	.00007	.00034	1.30	.00022	.00043	.00797	.00014	.00084	.0366
%RSD	.03471	20.252	.50060	6.7714	35.610	1.4103	9.2338	69.047	1.4267
#1	.20811	.00142	258.02	.00309	-.00150	.57050	.00165	-.00062	2.5391
#2	.20822	.00189	259.85	.00340	-.00090	.55923	.00145	-.00181	2.5908
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Y_3600-2	Y_3710	Zn2062
Line	189.989 {477}	407.771 { 83}	334.904 {101}	190.856 {477}	292.402 {115}	360.073 { 94}2	371.030 { 91}	206.200 {163}
IS Ref	(In2306)	(Y_3774)	(Y_3600)	(In2306)	(Y_3600)	(none)	(none)	(Y_3600)
Units	ppm	ppm	ppm	ppm	ppm	Cts/S	Cts/S	ppm
Avg	**-.00031**	**2.0747**	**.00219**	**.00193**	**.00008**	*****	*****	**.00873**
Stddev	.00018	.0067	.00042	.00009	.00006	-----	-----	.00040
%RSD	59.654	.32426	19.035	4.6853	71.254	-----	-----	4.5791
#1	-.00044	2.0699	.00190	.00186	.00004	7281.	21290.	.00901
#2	-.00018	2.0794	.00249	.00199	.00012	7253.	21220.	.00845
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	None	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	**4270.2**	**7622.1**	**45036.**	**13627.**
Stddev	1.7	13.0	64.	53.
%RSD	.04009	.17094	.14218	.38746
#1	4271.4	7631.3	44990.	13664.
#2	4269.0	7612.9	45081.	13589.

Sample Name: 480-18372-B-3-A SD@5 Acquired: 4/12/2012 18:52:26 Type: Unk
Method: ICAP2 2012(v35) Mode: CONC Corr. Factor: 1.000000
User: LMH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	As1937	As1972	B_2089	Ba4554-2	Be3130	Ca3179
Line	328.068 {103}	308.215 {109}	189.042 {478}	193.759 {474}	197.262 {471}	208.959 {461}	455.403 { 74}2	313.042 {108}	317.933 {106}
IS Ref	(Y_3600)	(Y_3774)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3774)	(Y_3774)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00245**	**.02899**	**.00043**	**.0009**	**-.0045**	**.02501**	**.12780**	**-.00002**	**18.674**
Stddev	.00030	.00915	.00149	.0006	.0020	.00048	.00002	.00006	.022
%RSD	12.299	31.546	342.62	61.57	44.68	1.9178	.01892	268.80	.11545
#1	-.00223	.03546	-.00062	.0013	-.0030	.02467	.12782	-.00006	18.689
#2	-.00266	.02253	.00149	.0005	-.0059	.02535	.12778	.00002	18.659
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Cd2288	Co2286	Cr2677	Cu3247	Fe2599	K_7664	K_7664-2	Li6707	Mg2790
Line	228.802 {447}	228.616 {447}	267.716 {126}	324.754 {104}	259.940 {130}	766.490 { 44}	766.490 { 44}2	670.784 { 50}	279.079 {121}2
IS Ref	(Y_2243)	(In2306)	(Y_3600)	(Y_3600)	(Y_3774)	(Y_3774)	(Y_3600)	(Y_3774)	(Y_3600)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00391**	**.00037**	**-.00018**	**.00010**	**.20291**	**1.3282**	**1.2837**	**.00944**	**7.2739**
Stddev	.00020	.00003	.00024	.00024	.00293	.0402	.0015	.00093	.0018
%RSD	5.0022	7.0186	127.45	235.45	1.4433	3.0298	.11849	9.8053	.02532
#1	.00405	.00039	-.00035	.00027	.20498	1.2997	1.2847	.00879	7.2726
#2	.00378	.00035	-.00002	-.00007	.20084	1.3566	1.2826	.01010	7.2752
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Mn2576	Mo2020	Na8183	Ni2316	Pb2203	S_1820	Sb2068	Se1960	Si2881
Line	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}2
IS Ref	(Y_3600)	(Y_2243)	(Y_3774)	(In2306)	(In2306)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3774)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.04183**	**-.00005**	**51.503**	**.00103**	**.00172**	**.10051**	**.00196**	**.00063**	**.51676**
Stddev	.00008	.00013	.563	.00013	.00031	.00024	.00144	.00147	.00338
%RSD	.18173	281.79	1.0934	12.151	17.976	.24338	73.527	233.94	.65405
#1	.04189	-.00014	51.105	.00112	.00194	.10033	.00298	-.00041	.51437
#2	.04178	.00005	51.902	.00094	.00151	.10068	.00094	.00167	.51915
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Y_3600-2	Y_3710	Zn2062
Line	189.989 {477}	407.771 { 83}	334.904 {101}	190.856 {477}	292.402 {115}	360.073 { 94}2	371.030 { 91}	206.200 {163}
IS Ref	(In2306)	(Y_3774)	(Y_3600)	(In2306)	(Y_3600)	(none)	(none)	(Y_3600)
Units	ppm	ppm	ppm	ppm	ppm	Cts/S	Cts/S	ppm
Avg	**.00064**	**.40946**	**.00072**	**-.00131**	**.00003**	*****	*****	**.00174**
Stddev	.00016	.00002	.00009	.00061	.00052	-----	-----	.00022
%RSD	25.540	.00409	11.955	46.782	1907.1	-----	-----	12.498
#1	.00052	.40945	.00066	-.00088	.00039	7348.	21570.	.00189
#2	.00075	.40947	.00078	-.00174	-.00034	7358.	21520.	.00158
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	None	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	**4552.1**	**7881.8**	**46962.**	**13834.**
Stddev	12.6	17.8	147.	41.
%RSD	.27581	.22584	.31374	.29644
#1	4543.2	7869.2	46858.	13863.
#2	4561.0	7894.4	47066.	13805.

Sample Name: 480-18372-B-3-A PDS Acquired: 4/12/2012 18:54:33 Type: Unk
Method: ICAP2 2012(v35) Mode: CONC Corr. Factor: 1.000000
User: LMH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	As1937	As1972	B_2089	Ba4554	Be3130	Ca3179
Line	328.068 {103}	308.215 {109}	189.042 {478}	193.759 {474}	197.262 {471}	208.959 {461}	455.403 { 74}	313.042 {108}	317.933 {106}
IS Ref	(Y_3600)	(Y_3774)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3774)	(Y_3774)	(Y_3774)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.05050**	**10.152**	**.20723**	**.2074**	**.2041**	**.32947**	**.82999**	**.20727**	**100.91**
Stddev	.00007	.083	.00007	.0015	.0030	.00132	.00131	.00037	.09
%RSD	.13623	.81775	.03435	.7365	1.471	.39947	.15804	.18028	.09232
#1	.05045	10.093	.20728	.2063	.2020	.32854	.82906	.20700	100.84
#2	.05055	10.210	.20718	.2084	.2063	.33040	.83092	.20753	100.97
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Cd2288	Co2286	Cr2677	Cu3247	Fe2599	K_7664	K_7664-2	Li6707	Mg2790
Line	228.802 {447}	228.616 {447}	267.716 {126}	324.754 {104}	259.940 {130}	766.490 { 44}	766.490 { 44}2	670.784 { 50}	279.079 {121}2
IS Ref	(Y_2243)	(In2306)	(Y_3600)	(Y_3600)	(Y_3774)	(Y_3774)	(Y_3600)	(Y_3774)	(Y_3600)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.22430**	**.20445**	**.20726**	**.20489**	**10.625**	**16.533**	**22.700**	**.24215**	**45.038**
Stddev	.00010	.00020	.00100	.00137	.016	.011	.011	.00106	.017
%RSD	.04439	.09747	.48087	.66805	.14900	.06581	.04866	.43942	.03823
#1	.22437	.20431	.20656	.20586	10.614	16.525	22.708	.24290	45.050
#2	.22423	.20459	.20797	.20392	10.636	16.541	22.692	.24140	45.026
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Mn2576	Mo2020	Na8183	Ni2316	Pb2203	S_1820	Sb2068	Se1960	Si2881
Line	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}2
IS Ref	(Y_3600)	(Y_2243)	(Y_3774)	(In2306)	(In2306)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3774)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.40675**	**.21351**	**259.86**	**.20352**	**.20655**	**.55080**	**.20867**	**.20068**	**12.569**
Stddev	.00098	.00004	.76	.00015	.00142	.00175	.00141	.00105	.059
%RSD	.24068	.01749	.29144	.07603	.68588	.31726	.67644	.52550	.46695
#1	.40745	.21354	259.32	.20363	.20555	.54956	.20967	.19994	12.527
#2	.40606	.21349	260.39	.20341	.20755	.55203	.20767	.20143	12.610
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Y_3600-2	Y_3710	Zn2062
Line	189.989 {477}	407.771 { 83}	334.904 {101}	190.856 {477}	292.402 {115}	360.073 { 94}2	371.030 { 91}	206.200 {163}
IS Ref	(In2306)	(Y_3774)	(Y_3600)	(In2306)	(Y_3600)	(none)	(none)	(Y_3600)
Units	ppm	ppm	ppm	ppm	ppm	Cts/S	Cts/S	ppm
Avg	**.20974**	**2.2081**	**.20735**	**.20948**	**.20735**	*****	*****	**.23439**
Stddev	.00070	.0040	.00035	.00215	.00036	-----	-----	.00032
%RSD	.33194	.17942	.16999	1.0279	.17558	-----	-----	.13840
#1	.21023	2.2053	.20760	.20795	.20710	7339.	21570.	.23462
#2	.20925	2.2109	.20710	.21100	.20761	7303.	21380.	.23416
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	None	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	**4275.3**	**7661.4**	**45147.**	**13794.**
Stddev	17.0	28.5	124.	53.
%RSD	.39767	.37231	.27560	.38593
#1	4263.3	7641.3	45235.	13831.
#2	4287.3	7681.6	45059.	13756.

Sample Name: 480-18372-B-3-B MS Acquired: 4/12/2012 18:56:47 Type: Unk
Method: ICAP2 2012(v35) Mode: CONC Corr. Factor: 1.000000
User: LMH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	As1937	As1972	B_2089	Ba4554	Be3130	Ca3179
Line	328.068 {103}	308.215 {109}	189.042 {478}	193.759 {474}	197.262 {471}	208.959 {461}	455.403 { 74}	313.042 {108}	317.933 {106}
IS Ref	(Y_3600)	(Y_3774)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3774)	(Y_3774)	(Y_3774)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.05100**	**10.139**	**.20895**	**.2072**	**.2064**	**.33243**	**.85440**	**.20706**	**104.17**
Stddev	.00043	.022	.00132	.0004	.0033	.00075	.00101	.00086	.21
%RSD	.84833	.22046	.63382	.1728	1.594	.22443	.11859	.41525	.19937
#1	.05130	10.123	.20802	.2075	.2040	.33191	.85368	.20645	104.03
#2	.05069	10.155	.20989	.2070	.2087	.33296	.85511	.20766	104.32
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Cd2288	Co2286	Cr2677	Cu3247	Fe2599	K_7664	K_7664-2	Li6707	Mg2790
Line	228.802 {447}	228.616 {447}	267.716 {126}	324.754 {104}	259.940 {130}	766.490 { 44}	766.490 { 44}2	670.784 { 50}	279.079 {121}2
IS Ref	(Y_2243)	(In2306)	(Y_3600)	(Y_3600)	(Y_3774)	(Y_3774)	(Y_3600)	(Y_3774)	(Y_3600)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.22588**	**.20504**	**.20580**	**.20619**	**10.662**	**16.733**	**23.152**	**.24196**	**46.350**
Stddev	.00077	.00039	.00107	.00080	.002	.022	.024	.00089	.210
%RSD	.34172	.18874	.51750	.38891	.01506	.12893	.10552	.36632	.45211
#1	.22534	.20477	.20656	.20676	10.663	16.717	23.134	.24134	46.498
#2	.22643	.20531	.20505	.20563	10.661	16.748	23.169	.24259	46.201
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Mn2576	Mo2020	Na8183	Ni2316	Pb2203	S_1820	Sb2068	Se1960	Si2881
Line	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}2
IS Ref	(Y_3600)	(Y_2243)	(Y_3774)	(In2306)	(In2306)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3774)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.41654**	**.21456**	**270.13**	**.20596**	**.20683**	**.57127**	**.20809**	**.20455**	**12.694**
Stddev	.00133	.00018	.37	.00022	.00037	.00438	.00136	.00477	.020
%RSD	.32026	.08400	.13858	.10524	.17770	.76669	.65531	2.3300	.16137
#1	.41748	.21469	269.86	.20611	.20657	.56817	.20906	.20118	12.679
#2	.41560	.21444	270.39	.20581	.20709	.57436	.20713	.20792	12.708
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Y_3600-2	Y_3710	Zn2062
Line	189.989 {477}	407.771 { 83}	334.904 {101}	190.856 {477}	292.402 {115}	360.073 { 94}2	371.030 { 91}	206.200 {163}
IS Ref	(In2306)	(Y_3774)	(Y_3600)	(In2306)	(Y_3600)	(none)	(none)	(Y_3600)
Units	ppm	ppm	ppm	ppm	ppm	Cts/S	Cts/S	ppm
Avg	**.21059**	**2.2922**	**.20798**	**.20977**	**.20655**	*****	*****	**.23383**
Stddev	.00010	.0040	.00111	.00061	.00092	-----	-----	.00062
%RSD	.04739	.17528	.53286	.28911	.44652	-----	-----	.26620
#1	.21052	2.2894	.20876	.21020	.20720	7361.	21650.	.23427
#2	.21066	2.2951	.20720	.20934	.20590	7319.	21460.	.23339
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	None	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	**4250.9**	**7629.0**	**45240.**	**13863.**
Stddev	8.0	16.6	184.	84.
%RSD	.18912	.21807	.40711	.60806
#1	4256.6	7640.8	45109.	13923.
#2	4245.2	7617.3	45370.	13803.

Sample Name: 480-18372-B-3-C MSD Acquired: 4/12/2012 18:59:01 Type: Unk
Method: ICAP2 2012(v35) Mode: CONC Corr. Factor: 1.000000
User: LMH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	As1937	As1972	B_2089	Ba4554	Be3130	Ca3179
Line	328.068 {103}	308.215 {109}	189.042 {478}	193.759 {474}	197.262 {471}	208.959 {461}	455.403 { 74}	313.042 {108}	317.933 {106}
IS Ref	(Y_3600)	(Y_3774)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3774)	(Y_3774)	(Y_3774)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.05317**	**10.252**	**.20988**	**.2091**	**.2040**	**.33802**	**.86008**	**.20928**	**105.47**
Stddev	.00025	.011	.00101	.0006	.0012	.00082	.00282	.00112	.42
%RSD	.46194	.11027	.48197	.2969	.6016	.24250	.32757	.53673	.39555
#1	.05299	10.260	.21060	.2096	.2049	.33744	.85808	.20849	105.17
#2	.05334	10.244	.20917	.2087	.2031	.33860	.86207	.21008	105.76
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Cd2288	Co2286	Cr2677	Cu3247	Fe2599	K_7664	K_7664-2	Li6707	Mg2790
Line	228.802 {447}	228.616 {447}	267.716 {126}	324.754 {104}	259.940 {130}	766.490 { 44}	766.490 { 44}2	670.784 { 50}	279.079 {121}2
IS Ref	(Y_2243)	(In2306)	(Y_3600)	(Y_3600)	(Y_3774)	(Y_3774)	(Y_3600)	(Y_3774)	(Y_3600)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.22661**	**.20646**	**.20686**	**.20491**	**10.698**	**16.954**	**23.461**	**.24669**	**46.726**
Stddev	.00038	.00037	.00151	.00138	.047	.071	.117	.00014	.192
%RSD	.16568	.17785	.73221	.67440	.44304	.41719	.49656	.05723	.41195
#1	.22635	.20620	.20793	.20589	10.664	16.904	23.379	.24679	46.862
#2	.22688	.20672	.20579	.20393	10.731	17.004	23.544	.24659	46.590
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Mn2576	Mo2020	Na8183	Ni2316	Pb2203	S_1820	Sb2068	Se1960	Si2881
Line	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}2
IS Ref	(Y_3600)	(Y_2243)	(Y_3774)	(In2306)	(In2306)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3774)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.41796**	**.21758**	**271.26**	**.20714**	**.20934**	**.57670**	**.20872**	**.20545**	**12.691**
Stddev	.00192	.00074	1.67	.00027	.00191	.00461	.00202	.00635	.025
%RSD	.46003	.33943	.61510	.13215	.91011	.80016	.96611	3.0896	.19646
#1	.41932	.21705	270.08	.20695	.21068	.57996	.21015	.20097	12.673
#2	.41661	.21810	272.44	.20733	.20799	.57344	.20729	.20994	12.708
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Y_3600-2	Y_3710	Zn2062
Line	189.989 {477}	407.771 { 83}	334.904 {101}	190.856 {477}	292.402 {115}	360.073 { 94}2	371.030 { 91}	206.200 {163}
IS Ref	(In2306)	(Y_3774)	(Y_3600)	(In2306)	(Y_3600)	(none)	(none)	(Y_3600)
Units	ppm	ppm	ppm	ppm	ppm	Cts/S	Cts/S	ppm
Avg	**.21159**	**2.3116**	**.20942**	**.21175**	**.20677**	*****	*****	**.23587**
Stddev	.00003	.0102	.00195	.00164	.00190	-----	-----	.00189
%RSD	.01221	.44012	.93345	.77354	.92066	-----	-----	.80196
#1	.21157	2.3045	.21080	.21060	.20811	7359.	21640.	.23721
#2	.21160	2.3188	.20804	.21291	.20542	7361.	21620.	.23454
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	None	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	**4254.3**	**7636.5**	**45015.**	**13953.**
Stddev	3.1	6.8	76.	18.
%RSD	.07307	.08967	.16859	.12718
#1	4256.5	7641.3	45069.	13966.
#2	4252.1	7631.6	44962.	13941.

Sample Name: CCV Acquired: 4/12/2012 19:01:18 Type: QC
Method: ICAP2 2012(v35) Mode: CONC Corr. Factor: 1.000000
User: LMH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	As1937	As1972	B_2089	Ba4554-2	Be3130	Ca3179	Cd2288	Co2286	Cr2677	Cu3247
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.50454**	**24.772**	**.50001**	**.5029**	**.4948**	**.49602**	**.51830**	**.48248**	**24.584**	**.49835**	**.48874**	**.51362**	**.50529**
Stddev	.00142	.127	.00208	.0001	.0049	.00224	.00243	.00484	.193	.00061	.00094	.00304	.00233
%RSD	.28096	.51395	.41577	.0248	.9941	.45188	.46812	1.0034	.78546	.12179	.19136	.59252	.46020
#1	.50353	24.862	.49854	.5030	.4914	.49444	.51658	.48590	24.720	.49792	.48808	.51147	.50365
#2	.50554	24.682	.50148	.5028	.4983	.49761	.52002	.47906	24.447	.49878	.48940	.51577	.50694
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	Fe2599	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	ppm
Avg	**24.291**	**26.012**	**25.592**	**.52025**	**25.495**	**.52235**	**.51602**	**25.741**	**.49880**	**.49721**	**24.936**	**.50910**	**.50272**
Stddev	.176	.116	.268	.00281	.061	.00215	.00011	.144	.00148	.00013	.032	.00063	.00194
%RSD	.72531	.44720	1.0453	.54049	.24050	.41123	.02179	.56046	.29723	.02634	.12656	.12430	.38562
#1	24.416	26.094	25.403	.52224	25.451	.52083	.51595	25.843	.49775	.49730	24.914	.50865	.50409
#2	24.167	25.929	25.781	.51826	25.538	.52387	.51610	25.639	.49985	.49711	24.958	.50954	.50135
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	Si2881	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Y_3600-2	Y_3710	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm	Cts/S	Cts/S	ppm
Avg	**23.953**	**.52813**	**.49940**	**.51297**	**.51493**	**.51148**	z *****	z *****	**.53152**
Stddev	.171	.00125	.00468	.00242	.00199	.00222	-----	-----	.00058
%RSD	.71506	.23642	.93746	.47214	.38613	.43336	-----	-----	.10821
#1	24.074	.52724	.50271	.51126	.51352	.50991	z 7413.	z 21800.	.53111
#2	23.832	.52901	.49609	.51468	.51633	.51305	z 7421.	z 21780.	.53192
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	None	Chk Pass
Value									
Range									

Int. Std.	In2306	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**4539.6**	**7935.6**	**47269.**	**13973.**
Stddev	3.8	6.3	196.	18.
%RSD	.08397	.07879	.41425	.12601
#1	4542.3	7931.2	47407.	13985.
#2	4536.9	7940.0	47130.	13960.

Sample Name: CCB Acquired: 4/12/2012 19:03:17 Type: QC
Method: ICAP2 2012(v35) Mode: CONC Corr. Factor: 1.000000
User: LMH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	As1937	As1972	B_2089	Ba4554-2	Be3130	Ca3179	Cd2288	Co2286	Cr2677	Cu3247
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00100**	**.01353**	**.00213**	**.0008**	**-.0079**	**.00162**	**.00008**	**.00012**	**.01261**	**.00009**	**.00017**	**-.00051**	**.00029**
Stddev	.00016	.00546	.00162	.0003	.0014	.00050	.00003	.00004	.00170	.00004	.00002	.00007	.00035
%RSD	15.765	40.348	76.036	34.55	18.39	30.724	42.021	36.631	13.486	43.484	12.741	12.969	121.11
#1	-.00089	.00967	.00099	.0010	-.0089	.00197	.00006	.00015	.01381	.00011	.00015	-.00056	.00004
#2	-.00111	.01739	.00328	.0006	-.0068	.00127	.00010	.00009	.01141	.00006	.00019	-.00047	.00054
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	Fe2599	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	ppm
Avg	**.00086**	**.07797**	**.00279**	**.00064**	**.00835**	**.00012**	**.00024**	**.07158**	**-.00026**	**.00081**	**-.00252**	**.00201**	**-.00072**
Stddev	.00016	.02208	.00008	.00128	.00390	.00002	.00007	.00651	.00003	.00036	.00125	.00142	.00073
%RSD	18.293	28.316	3.0063	199.53	46.689	14.248	31.097	9.0978	10.899	43.702	49.767	70.767	102.13
#1	.00075	.09358	.00285	.00155	.00559	.00014	.00029	.07619	-.00024	.00106	-.00340	.00301	-.00123
#2	.00097	.06236	.00273	-.00026	.01111	.00011	.00019	.06698	-.00028	.00056	-.00163	.00100	-.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	Si2881	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Y_3600-2	Y_3710	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm	Cts/S	Cts/S	ppm
Avg	**.00437**	**.00009**	**.00035**	**-.00027**	**-.00032**	**.00093**	z *****	z *****	**.00011**
Stddev	.01013	.00035	.00006	.00015	.00073	.00069	-----	-----	.00006
%RSD	231.56	375.65	16.778	55.570	229.57	74.389	-----	-----	55.013
#1	.01153	-.00015	.00039	-.00038	-.00083	.00044	z 7375.	z 21600.	.00015
#2	-.00279	.00034	.00031	-.00017	.00020	.00141	z 7337.	z 21460.	.00007
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	None	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	**4727.3**	**8050.4**	**49024.**	**13786.**
Stddev	6.7	17.3	197.	100.
%RSD	.14150	.21448	.40261	.72565
#1	4732.0	8062.6	48884.	13857.
#2	4722.6	8038.2	49163.	13716.

Sample Name: 480-18372-B-4-A Acquired: 4/12/2012 19:05:27 Type: Unk
Method: ICAP2 2012(v35) Mode: CONC Corr. Factor: 1.000000
User: LMH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	As1937	As1972	B_2089	Ba4554-2	Be3130	Ca3179
Line	328.068 {103}	308.215 {109}	189.042 {478}	193.759 {474}	197.262 {471}	208.959 {461}	455.403 { 74}2	313.042 {108}	317.933 {106}
IS Ref	(Y_3600)	(Y_3774)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3774)	(Y_3774)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00101**	**.06988**	**.00428**	**.0032**	**-.0018**	**.26260**	**.32052**	**.00011**	**80.983**
Stddev	.00026	.01007	.00125	.0001	.0010	.00014	.00003	.00002	.019
%RSD	25.607	14.414	29.090	4.004	54.58	.05494	.01005	20.154	.02360
#1	-.00083	.07700	.00340	.0031	-.0025	.26250	.32049	.00010	80.970
#2	-.00119	.06276	.00516	.0033	-.0011	.26270	.32054	.00013	80.997
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Cd2288	Co2286	Cr2677	Cu3247	Fe2599	K_7664	K_7664-2	Li6707	Mg2790
Line	228.802 {447}	228.616 {447}	267.716 {126}	324.754 {104}	259.940 {130}	766.490 { 44}	766.490 { 44}2	670.784 { 50}	279.079 {121}2
IS Ref	(Y_2243)	(In2306)	(Y_3600)	(Y_3600)	(Y_3774)	(Y_3774)	(Y_3600)	(Y_3774)	(Y_3600)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00026**	**.00035**	**.00035**	**.00207**	**.78735**	**5.3342**	**7.0834**	**.10747**	**21.522**
Stddev	.00012	.00017	.00004	.00109	.00650	.0244	.0555	.00025	.020
%RSD	45.783	49.283	11.445	52.606	.82588	.45679	.78403	.23431	.09159
#1	.00018	.00047	.00032	.00284	.78275	5.3169	7.1227	.10729	21.508
#2	.00034	.00023	.00037	.00130	.79195	5.3514	7.0441	.10765	21.536
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Mn2576	Mo2020	Na8183	Ni2316	Pb2203	S_1820	Sb2068	Se1960	Si2881
Line	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}2
IS Ref	(Y_3600)	(Y_2243)	(Y_3774)	(In2306)	(In2306)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3774)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.22430**	**.00382**	**193.80**	**.00137**	**.00056**	**6.7776**	**.00012**	**-.00083**	**4.5243**
Stddev	.00001	.00009	.80	.00005	.00126	.0161	.00021	.00012	.0003
%RSD	.00522	2.3903	.41454	3.4365	225.99	.23791	166.12	14.858	.00577
#1	.22429	.00388	193.23	.00134	-.00033	6.7662	.00027	-.00075	4.5245
#2	.22431	.00376	194.37	.00141	.00145	6.7890	-.00002	-.00092	4.5242
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Y_3600-2	Y_3710	Zn2062
Line	189.989 {477}	407.771 { 83}	334.904 {101}	190.856 {477}	292.402 {115}	360.073 { 94}2	371.030 { 91}	206.200 {163}
IS Ref	(In2306)	(Y_3774)	(Y_3600)	(In2306)	(Y_3600)	(none)	(none)	(Y_3600)
Units	ppm	ppm	ppm	ppm	ppm	Cts/S	Cts/S	ppm
Avg	**-.00037**	**2.0755**	**.00147**	**.00009**	**.00036**	*****	*****	**.01066**
Stddev	.00019	.0009	.00033	.00048	.00013	-----	-----	.00021
%RSD	50.934	.04190	22.473	543.03	36.903	-----	-----	1.9262
#1	-.00023	2.0749	.00124	-.00025	.00045	7306.	21470.	.01080
#2	-.00050	2.0761	.00170	.00043	.00027	7296.	21390.	.01051
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	None	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	**4322.5**	**7624.9**	**45107.**	**13716.**
Stddev	9.3	15.8	75.	9.
%RSD	.21594	.20785	.16648	.06581
#1	4315.9	7613.7	45053.	13722.
#2	4329.1	7636.1	45160.	13710.

Sample Name: 480-18372-B-5-A Acquired: 4/12/2012 19:07:45 Type: Unk
Method: ICAP2 2012(v35) Mode: CONC Corr. Factor: 1.000000
User: LMH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	As1937	As1972	B_2089	Ba4554-2	Be3130	Ca3179
Line	328.068 {103}	308.215 {109}	189.042 {478}	193.759 {474}	197.262 {471}	208.959 {461}	455.403 { 74}2	313.042 {108}	317.933 {106}
IS Ref	(Y_3600)	(Y_3774)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3774)	(Y_3774)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00025**	**.21761**	**.00528**	**.0037**	**.0037**	**.20039**	**.47690**	**.00001**	**119.37**
Stddev	.00101	.00383	.00077	.0003	.0026	.00057	.00056	.00006	.53
%RSD	410.11	1.7619	14.643	9.383	70.24	.28392	.11742	999.21	.44759
#1	-.00096	.21490	.00583	.0034	.0056	.20079	.47730	.00005	118.99
#2	.00047	.22032	.00474	.0039	.0019	.19999	.47651	-.00004	119.75
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Cd2288	Co2286	Cr2677	Cu3247	Fe2599	K_7664	K_7664-2	Li6707	Mg2790
Line	228.802 {447}	228.616 {447}	267.716 {126}	324.754 {104}	259.940 {130}	766.490 { 44}	766.490 { 44}2	670.784 { 50}	279.079 {121}2
IS Ref	(Y_2243)	(In2306)	(Y_3600)	(Y_3600)	(Y_3774)	(Y_3774)	(Y_3600)	(Y_3774)	(Y_3600)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00012**	**.00038**	**-.00021**	**.00153**	**2.3774**	**9.5217**	**13.313**	**.04845**	**27.353**
Stddev	.00007	.00015	.00008	.00013	.0059	.0647	.087	.00144	.024
%RSD	55.715	40.505	40.261	8.2532	.24609	.67912	.65181	2.9714	.08618
#1	.00007	.00027	-.00027	.00161	2.3732	9.4760	13.374	.04743	27.369
#2	.00016	.00049	-.00015	.00144	2.3815	9.5674	13.251	.04947	27.336
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Mn2576	Mo2020	Na8183	Ni2316	Pb2203	S_1820	Sb2068	Se1960	Si2881
Line	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}2
IS Ref	(Y_3600)	(Y_2243)	(Y_3774)	(In2306)	(In2306)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3774)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.48994**	**.00486**	**275.88**	**.00231**	**.00300**	**17.664**	**-.00045**	**-.00098**	**4.3306**
Stddev	.00148	.00003	.96	.00012	.00037	.031	.00207	.00065	.0312
%RSD	.30183	.60279	.34717	5.3955	12.186	.17530	461.26	66.210	.72073
#1	.49098	.00484	275.20	.00223	.00274	17.686	-.00191	-.00052	4.3526
#2	.48889	.00488	276.56	.00240	.00326	17.642	.00102	-.00143	4.3085
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Y_3600-2	Y_3710	Zn2062
Line	189.989 {477}	407.771 { 83}	334.904 {101}	190.856 {477}	292.402 {115}	360.073 { 94}2	371.030 { 91}	206.200 {163}
IS Ref	(In2306)	(Y_3774)	(Y_3600)	(In2306)	(Y_3600)	(none)	(none)	(Y_3600)
Units	ppm	ppm	ppm	ppm	ppm	Cts/S	Cts/S	ppm
Avg	**-.00047**	**1.7839**	**.00701**	**.00085**	**.00068**	*****	*****	**.00762**
Stddev	.00021	.0065	.00039	.00092	.00005	-----	-----	.00054
%RSD	45.290	.36149	5.5175	108.90	6.6142	-----	-----	7.0453
#1	-.00062	1.7793	.00729	.00020	.00065	7238.	21180.	.00724
#2	-.00032	1.7884	.00674	.00150	.00071	7218.	21100.	.00800
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	None	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	**4257.7**	**7545.8**	**44539.**	**13494.**
Stddev	4.2	2.9	83.	29.
%RSD	.09970	.03878	.18696	.21799
#1	4254.7	7543.8	44480.	13515.
#2	4260.7	7547.9	44598.	13473.

Sample Name: 480-18385-B-1-A Acquired: 4/12/2012 19:10:07 Type: Unk
Method: ICAP2 2012(v35) Mode: CONC Corr. Factor: 1.000000
User: LMH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	As1937	As1972	B_2089	Ba4554-2	Be3130	Ca3179
Line	328.068 {103}	308.215 {109}	189.042 {478}	193.759 {474}	197.262 {471}	208.959 {461}	455.403 { 74}2	313.042 {108}	317.933 {106}
IS Ref	(Y_3600)	(Y_3774)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3774)	(Y_3774)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00024**	**.07443**	**.01706**	**.0191**	**.0132**	**.47911**	**.09343**	**.00012**	**214.93**
Stddev	.00078	.00047	.00318	.0011	.0034	.00027	.00083	.00003	1.18
%RSD	321.14	.62857	18.634	5.531	25.92	.05677	.88958	22.727	.54727
#1	-.00080	.07476	.01931	.0198	.0156	.47930	.09401	.00013	214.10
#2	.00031	.07410	.01481	.0183	.0108	.47892	.09284	.00010	215.76
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Cd2288	Co2286	Cr2677	Cu3247	Fe2599	K_7664	K_7664-2	Li6707	Mg2790
Line	228.802 {447}	228.616 {447}	267.716 {126}	324.754 {104}	259.940 {130}	766.490 { 44}	766.490 { 44}2	670.784 { 50}	279.079 {121}2
IS Ref	(Y_2243)	(In2306)	(Y_3600)	(Y_3600)	(Y_3774)	(Y_3774)	(Y_3600)	(Y_3774)	(Y_3600)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00034**	**.00006**	**.00002**	**.00037**	**1.0172**	**4.3181**	**6.4206**	**.03774**	**71.625**
Stddev	.00012	.00032	.00012	.00014	.0024	.0087	.0322	.00186	.584
%RSD	35.711	529.59	521.93	39.141	.23992	.20238	.50091	4.9303	.81560
#1	.00026	.00029	-.00006	.00047	1.0190	4.3119	6.3979	.03642	72.038
#2	.00043	-.00017	.00011	.00027	1.0155	4.3243	6.4434	.03905	71.212
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Mn2576	Mo2020	Na8183	Ni2316	Pb2203	S_1820	Sb2068	Se1960	Si2881
Line	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}2
IS Ref	(Y_3600)	(Y_2243)	(Y_3774)	(In2306)	(In2306)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3774)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.16170**	**.03269**	**316.60**	**.00060**	**.00032**	**94.782**	**.00030**	**-.00086**	**5.5135**
Stddev	.00164	.00015	.04	.00042	.00293	.180	.00020	.00009	.0084
%RSD	1.0155	.45575	.01394	69.627	901.08	.18959	66.898	10.014	.15205
#1	.16286	.03258	316.57	.00030	.00239	94.655	.00016	-.00080	5.5076
#2	.16054	.03279	316.63	.00089	-.00174	94.909	.00044	-.00092	5.5194
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Y_3600-2	Y_3710	Zn2062
Line	189.989 {477}	407.771 { 83}	334.904 {101}	190.856 {477}	292.402 {115}	360.073 { 94}2	371.030 { 91}	206.200 {163}
IS Ref	(In2306)	(Y_3774)	(Y_3600)	(In2306)	(Y_3600)	(none)	(none)	(Y_3600)
Units	ppm	ppm	ppm	ppm	ppm	Cts/S	Cts/S	ppm
Avg	**-.00001**	**7.6054**	**.00252**	**.00070**	**.00032**	*****	*****	**.00129**
Stddev	.00049	.0333	.00054	.00019	.00005	-----	-----	.00056
%RSD	4085.3	.43791	21.355	27.003	16.616	-----	-----	43.756
#1	.00034	7.5819	.00214	.00083	.00035	7124.	20890.	.00089
#2	-.00036	7.6290	.00291	.00056	.00028	7148.	20970.	.00168
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	None	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	**4147.7**	**7398.1**	**43302.**	**13456.**
Stddev	1.2	6.0	303.	26.
%RSD	.02905	.08108	.69948	.19224
#1	4148.6	7402.4	43088.	13438.
#2	4146.8	7393.9	43516.	13475.

Sample Name: 480-18385-B-2-A Acquired: 4/12/2012 19:12:40 Type: Unk
Method: ICAP2 2012(v35) Mode: CONC Corr. Factor: 1.000000
User: LMH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	As1937	As1972	B_2089	Ba4554-2	Be3130	Ca3179
Line	328.068 {103}	308.215 {109}	189.042 {478}	193.759 {474}	197.262 {471}	208.959 {461}	455.403 { 74}2	313.042 {108}	317.933 {106}
IS Ref	(Y_3600)	(Y_3774)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3774)	(Y_3774)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00143**	**.04936**	**.01308**	**.0139**	**.0086**	**.51958**	**.01323**	**.00001**	**134.87**
Stddev	.00051	.01436	.00196	.0008	.0006	.00112	.00006	.00007	.22
%RSD	35.502	29.091	15.020	5.882	7.082	.21463	.41859	644.82	.16110
#1	-.00179	.05952	.01447	.0145	.0081	.51879	.01319	-.00004	135.02
#2	-.00107	.03921	.01169	.0134	.0090	.52037	.01327	.00006	134.72
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Cd2288	Co2286	Cr2677	Cu3247	Fe2599	K_7664	K_7664-2	Li6707	Mg2790
Line	228.802 {447}	228.616 {447}	267.716 {126}	324.754 {104}	259.940 {130}	766.490 { 44}	766.490 { 44}2	670.784 { 50}	279.079 {121}2
IS Ref	(Y_2243)	(In2306)	(Y_3600)	(Y_3600)	(Y_3774)	(Y_3774)	(Y_3600)	(Y_3774)	(Y_3600)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00021**	**.00015**	**-.00054**	**.00072**	**.21500**	**3.4742**	**4.6433**	**.02980**	**38.598**
Stddev	.00025	.00006	.00071	.00078	.00098	.0133	.0442	.00278	.031
%RSD	118.00	36.359	132.84	109.10	.45773	.38200	.95107	9.3165	.08090
#1	.00004	.00011	-.00003	.00016	.21430	3.4648	4.6121	.02784	38.576
#2	.00039	.00019	-.00104	.00127	.21569	3.4835	4.6746	.03176	38.620
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Mn2576	Mo2020	Na8183	Ni2316	Pb2203	S_1820	Sb2068	Se1960	Si2881
Line	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}2
IS Ref	(Y_3600)	(Y_2243)	(Y_3774)	(In2306)	(In2306)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3774)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.12008**	**.04889**	**195.87**	**.00084**	**.00052**	**136.25**	**.00112**	**-.00071**	**5.3442**
Stddev	.00024	.00041	.02	.00033	.00032	.34	.00108	.00008	.0180
%RSD	.20333	.84413	.00820	39.800	61.421	.25018	96.873	10.857	.33664
#1	.12025	.04918	195.88	.00060	.00074	136.01	.00188	-.00066	5.3569
#2	.11990	.04859	195.85	.00108	.00029	136.50	.00035	-.00077	5.3315
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Y_3600-2	Y_3710	Zn2062
Line	189.989 {477}	407.771 { 83}	334.904 {101}	190.856 {477}	292.402 {115}	360.073 { 94}2	371.030 { 91}	206.200 {163}
IS Ref	(In2306)	(Y_3774)	(Y_3600)	(In2306)	(Y_3600)	(none)	(none)	(Y_3600)
Units	ppm	ppm	ppm	ppm	ppm	Cts/S	Cts/S	ppm
Avg	**-.00028**	**4.8640**	**.00066**	**.00054**	**.00057**	*****	*****	**.00159**
Stddev	.00022	.0267	.00010	.00052	.00091	-----	-----	.00007
%RSD	78.023	.54888	15.992	97.315	159.08	-----	-----	4.1398
#1	-.00013	4.8828	.00073	.00017	-.00007	7205.	21130.	.00154
#2	-.00043	4.8451	.00058	.00091	.00121	7241.	21230.	.00164
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	None	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	**4305.5**	**7557.0**	**44726.**	**13613.**
Stddev	7.3	20.6	83.	36.
%RSD	.17017	.27324	.18553	.26118
#1	4300.3	7542.4	44785.	13587.
#2	4310.7	7571.6	44667.	13638.

Sample Name: 480-18385-B-3-A Acquired: 4/12/2012 19:15:01 Type: Unk
Method: ICAP2 2012(v35) Mode: CONC Corr. Factor: 1.000000
User: LMH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	As1937	As1972	B_2089	Ba4554-2	Be3130	Ca3179
Line	328.068 {103}	308.215 {109}	189.042 {478}	193.759 {474}	197.262 {471}	208.959 {461}	455.403 { 74}2	313.042 {108}	317.933 {106}
IS Ref	(Y_3600)	(Y_3774)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3774)	(Y_3774)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00075**	**.06116**	**.00464**	**.0038**	**-.0019**	**.36599**	**.08608**	**.00006**	**114.56**
Stddev	.00100	.00075	.00037	.0003	.0017	.00091	.00013	.00004	.38
%RSD	133.41	1.2298	7.9219	9.008	93.81	.24994	.14724	63.828	.33380
#1	-.00004	.06063	.00490	.0036	-.0006	.36534	.08599	.00003	114.83
#2	-.00146	.06169	.00438	.0040	-.0031	.36664	.08617	.00009	114.29
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Cd2288	Co2286	Cr2677	Cu3247	Fe2599	K_7664	K_7664-2	Li6707	Mg2790
Line	228.802 {447}	228.616 {447}	267.716 {126}	324.754 {104}	259.940 {130}	766.490 { 44}	766.490 { 44}2	670.784 { 50}	279.079 {121}2
IS Ref	(Y_2243)	(In2306)	(Y_3600)	(Y_3600)	(Y_3774)	(Y_3774)	(Y_3600)	(Y_3774)	(Y_3600)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00029**	**.00034**	**-.00045**	**.00029**	**.15369**	**3.2587**	**4.3658**	**.01958**	**40.559**
Stddev	.00015	.00009	.00005	.00008	.00102	.0085	.0190	.00128	.064
%RSD	53.779	27.889	11.542	26.567	.66635	.26138	.43465	6.5562	.15879
#1	.00018	.00027	-.00042	.00035	.15441	3.2648	4.3523	.02048	40.514
#2	.00039	.00041	-.00049	.00024	.15296	3.2527	4.3792	.01867	40.605
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Mn2576	Mo2020	Na8183	Ni2316	Pb2203	S_1820	Sb2068	Se1960	Si2881
Line	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}2
IS Ref	(Y_3600)	(Y_2243)	(Y_3774)	(In2306)	(In2306)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3774)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.18928**	**.03174**	**188.94**	**.00077**	**.00067**	**28.005**	**-.00002**	**-.00245**	**5.6936**
Stddev	.00024	.00037	.87	.00012	.00167	.039	.00047	.00147	.0107
%RSD	.12534	1.1801	.45817	16.118	248.11	.13961	2857.2	59.996	.18808
#1	.18911	.03148	189.55	.00085	-.00051	27.978	.00032	-.00141	5.7011
#2	.18945	.03200	188.33	.00068	.00186	28.033	-.00035	-.00349	5.6860
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Y_3600-2	Y_3710	Zn2062
Line	189.989 {477}	407.771 { 83}	334.904 {101}	190.856 {477}	292.402 {115}	360.073 { 94}2	371.030 { 91}	206.200 {163}
IS Ref	(In2306)	(Y_3774)	(Y_3600)	(In2306)	(Y_3600)	(none)	(none)	(Y_3600)
Units	ppm	ppm	ppm	ppm	ppm	Cts/S	Cts/S	ppm
Avg	**-.00020**	**3.3290**	**.00161**	**.00029**	**.00044**	*****	*****	**.00218**
Stddev	.00011	.0111	.00056	.00095	.00083	-----	-----	.00080
%RSD	57.654	.33438	34.848	326.87	189.57	-----	-----	36.836
#1	-.00028	3.3368	.00121	.00097	.00102	7189.	21080.	.00161
#2	-.00012	3.3211	.00200	-.00038	-.00015	7246.	21270.	.00275
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	None	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	**4299.0**	**7575.5**	**44763.**	**13626.**
Stddev	8.0	22.6	9.	96.
%RSD	.18619	.29798	.02114	.70733
#1	4304.6	7591.5	44770.	13558.
#2	4293.3	7559.5	44757.	13694.

Sample Name: 480-18385-B-4-A Acquired: 4/12/2012 19:17:13 Type: Unk
Method: ICAP2 2012(v35) Mode: CONC Corr. Factor: 1.000000
User: LMH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	As1937	As1972	B_2089	Ba4554-2	Be3130	Ca3179
Line	328.068 {103}	308.215 {109}	189.042 {478}	193.759 {474}	197.262 {471}	208.959 {461}	455.403 { 74}2	313.042 {108}	317.933 {106}
IS Ref	(Y_3600)	(Y_3774)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3774)	(Y_3774)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00071**	**.04137**	**.00315**	**.0016**	**-.0030**	**.50615**	**.01485**	**.00004**	**168.30**
Stddev	.00097	.00699	.00084	.0011	.0006	.00044	.00012	.00008	.59
%RSD	135.73	16.892	26.711	72.21	21.81	.08638	.77854	172.27	.35112
#1	-.00003	.03643	.00256	.0008	-.0034	.50584	.01477	-.00001	167.89
#2	-.00140	.04632	.00375	.0023	-.0025	.50645	.01493	.00010	168.72
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Cd2288	Co2286	Cr2677	Cu3247	Fe2599	K_7664	K_7664-2	Li6707	Mg2790
Line	228.802 {447}	228.616 {447}	267.716 {126}	324.754 {104}	259.940 {130}	766.490 { 44}	766.490 { 44}2	670.784 { 50}	279.079 {121}2
IS Ref	(Y_2243)	(In2306)	(Y_3600)	(Y_3600)	(Y_3774)	(Y_3774)	(Y_3600)	(Y_3774)	(Y_3600)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00034**	**.00032**	**-.00037**	**.00023**	**.08492**	**3.8357**	**5.3236**	**.03047**	**49.174**
Stddev	.00018	.00011	.00028	.00028	.00219	.0733	.0159	.00008	.168
%RSD	53.891	32.660	74.646	118.39	2.5796	1.9111	.29766	.27678	.34098
#1	.00021	.00040	-.00018	.00043	.08647	3.7839	5.3124	.03053	49.055
#2	.00046	.00025	-.00057	.00004	.08337	3.8875	5.3348	.03041	49.292
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Mn2576	Mo2020	Na8183	Ni2316	Pb2203	S_1820	Sb2068	Se1960	Si2881
Line	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}2
IS Ref	(Y_3600)	(Y_2243)	(Y_3774)	(In2306)	(In2306)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3774)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.12668**	**.02807**	**209.04**	**.00141**	**.00064**	**183.60**	**.00083**	**.00020**	**5.0363**
Stddev	.00030	.00011	.27	.00039	.00071	.06	.00046	.00459	.0231
%RSD	.23400	.37450	.13133	27.951	111.68	.03349	56.028	2255.3	.45876
#1	.12647	.02814	208.85	.00169	.00114	183.64	.00115	.00345	5.0526
#2	.12689	.02799	209.24	.00113	.00013	183.55	.00050	-.00304	5.0199
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Y_3600-2	Y_3710	Zn2062
Line	189.989 {477}	407.771 { 83}	334.904 {101}	190.856 {477}	292.402 {115}	360.073 { 94}2	371.030 { 91}	206.200 {163}
IS Ref	(In2306)	(Y_3774)	(Y_3600)	(In2306)	(Y_3600)	(none)	(none)	(Y_3600)
Units	ppm	ppm	ppm	ppm	ppm	Cts/S	Cts/S	ppm
Avg	**-.00070**	**5.4093**	**.00174**	**.00034**	**.00042**	*****	*****	**.00091**
Stddev	.00011	.1143	.00009	.00065	.00051	-----	-----	.00034
%RSD	15.115	2.1136	5.3982	187.93	122.42	-----	-----	37.190
#1	-.00063	5.4901	.00181	-.00011	.00078	7175.	21120.	.00115
#2	-.00077	5.3284	.00168	.00080	.00006	7249.	21310.	.00067
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	None	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	**4260.8**	**7494.8**	**44318.**	**13648.**
Stddev	7.9	.8	62.	71.
%RSD	.18444	.01069	.13917	.52340
#1	4266.4	7494.3	44362.	13597.
#2	4255.2	7495.4	44274.	13698.

Sample Name: 480-18385-B-5-A Acquired: 4/12/2012 19:19:40 Type: Unk
Method: ICAP2 2012(v35) Mode: CONC Corr. Factor: 1.000000
User: LMH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	As1937	As1972	B_2089	Ba4554-2	Be3130	Ca3179
Line	328.068 {103}	308.215 {109}	189.042 {478}	193.759 {474}	197.262 {471}	208.959 {461}	455.403 { 74}2	313.042 {108}	317.933 {106}
IS Ref	(Y_3600)	(Y_3774)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3774)	(Y_3774)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00087**	**.05587**	**.00758**	**.0059**	**.0060**	**.43994**	**.03945**	**.00003**	**93.276**
Stddev	.00112	.03243	.00130	.0012	.0030	.00063	.00010	.00004	.159
%RSD	128.78	58.049	17.103	19.77	50.03	.14332	.25432	132.71	.16994
#1	-.00167	.07880	.00850	.0067	.0081	.44038	.03938	.00000	93.163
#2	-.00008	.03293	.00667	.0050	.0039	.43949	.03952	.00006	93.388
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Cd2288	Co2286	Cr2677	Cu3247	Fe2599	K_7664	K_7664-2	Li6707	Mg2790
Line	228.802 {447}	228.616 {447}	267.716 {126}	324.754 {104}	259.940 {130}	766.490 { 44}	766.490 { 44}2	670.784 { 50}	279.079 {121}2
IS Ref	(Y_2243)	(In2306)	(Y_3600)	(Y_3600)	(Y_3774)	(Y_3774)	(Y_3600)	(Y_3774)	(Y_3600)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00029**	**.00063**	**-.00043**	**.00028**	**.30030**	**2.5696**	**3.3470**	**.02272**	**29.950**
Stddev	.00010	.00003	.00007	.00040	.00206	.0465	.0025	.00061	.092
%RSD	35.545	4.7648	16.702	144.43	.68444	1.8101	.07373	2.6661	.30814
#1	.00022	.00061	-.00038	.00056	.29885	2.6025	3.3453	.02314	29.885
#2	.00036	.00065	-.00048	-.00001	.30176	2.5367	3.3488	.02229	30.015
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Mn2576	Mo2020	Na8183	Ni2316	Pb2203	S_1820	Sb2068	Se1960	Si2881
Line	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}2
IS Ref	(Y_3600)	(Y_2243)	(Y_3774)	(In2306)	(In2306)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3774)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.11639**	**.06040**	**173.16**	**.00213**	**-.00040**	**53.035**	**.00018**	**-.00205**	**5.2913**
Stddev	.00051	.00009	.13	.00026	.00113	.034	.00083	.00085	.0193
%RSD	.43626	.14515	.07524	12.032	280.52	.06430	470.88	41.313	.36549
#1	.11603	.06046	173.07	.00195	.00039	53.011	-.00041	-.00145	5.3050
#2	.11675	.06033	173.25	.00231	-.00120	53.059	.00077	-.00265	5.2776
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Y_3600-2	Y_3710	Zn2062
Line	189.989 {477}	407.771 { 83}	334.904 {101}	190.856 {477}	292.402 {115}	360.073 { 94}2	371.030 { 91}	206.200 {163}
IS Ref	(In2306)	(Y_3774)	(Y_3600)	(In2306)	(Y_3600)	(none)	(none)	(Y_3600)
Units	ppm	ppm	ppm	ppm	ppm	Cts/S	Cts/S	ppm
Avg	**-.00052**	**2.8385**	**.00118**	**.00061**	**.00063**	*****	*****	**.00196**
Stddev	.00018	.0063	.00067	.00222	.00016	-----	-----	.00040
%RSD	35.495	.22306	56.392	363.30	25.705	-----	-----	20.685
#1	-.00039	2.8340	.00166	-.00096	.00052	7208.	21180.	.00167
#2	-.00065	2.8430	.00071	.00218	.00074	7202.	21210.	.00224
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	None	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	**4354.2**	**7634.1**	**45042.**	**13618.**
Stddev	5.8	4.9	155.	19.
%RSD	.13307	.06424	.34500	.13980
#1	4350.1	7630.6	45152.	13605.
#2	4358.3	7637.5	44932.	13632.

Sample Name: 480-18385-B-6-A Acquired: 4/12/2012 19:21:51 Type: Unk
Method: ICAP2 2012(v35) Mode: CONC Corr. Factor: 1.000000
User: LMH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	As1937	As1972	B_2089	Ba4554-2	Be3130	Ca3179
Line	328.068 {103}	308.215 {109}	189.042 {478}	193.759 {474}	197.262 {471}	208.959 {461}	455.403 { 74}2	313.042 {108}	317.933 {106}
IS Ref	(Y_3600)	(Y_3774)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3774)	(Y_3774)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00008**	**.06652**	**.01211**	**.0117**	**.0062**	**.42693**	**.02520**	**.00007**	**227.20**
Stddev	.00043	.00357	.00127	.0003	.0009	.00091	.00003	.00006	1.79
%RSD	539.60	5.3700	10.518	2.155	14.09	.21254	.11966	84.576	.78831
#1	.00038	.06904	.01121	.0115	.0068	.42757	.02522	.00003	225.93
#2	-.00022	.06399	.01301	.0118	.0056	.42629	.02518	.00011	228.46
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Cd2288	Co2286	Cr2677	Cu3247	Fe2599	K_7664	K_7664-2	Li6707	Mg2790
Line	228.802 {447}	228.616 {447}	267.716 {126}	324.754 {104}	259.940 {130}	766.490 { 44}	766.490 { 44}2	670.784 { 50}	279.079 {121}2
IS Ref	(Y_2243)	(In2306)	(Y_3600)	(Y_3600)	(Y_3774)	(Y_3774)	(Y_3600)	(Y_3774)	(Y_3600)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00042**	**.00048**	**-.00065**	**.00081**	**.01308**	**3.9651**	**5.9600**	**.02782**	**74.135**
Stddev	.00014	.00003	.00037	.00028	.00080	.0216	.0256	.00112	.145
%RSD	32.743	6.8059	56.313	34.907	6.0956	.54396	.43006	4.0116	.19616
#1	.00051	.00046	-.00039	.00061	.01365	3.9499	5.9781	.02703	74.033
#2	.00032	.00050	-.00091	.00101	.01252	3.9804	5.9418	.02861	74.238
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Mn2576	Mo2020	Na8183	Ni2316	Pb2203	S_1820	Sb2068	Se1960	Si2881
Line	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}2
IS Ref	(Y_3600)	(Y_2243)	(Y_3774)	(In2306)	(In2306)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3774)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.40144**	**.03877**	**338.52**	**.00044**	**.00094**	**129.33**	**.00104**	**-.00142**	**5.7680**
Stddev	.00165	.00047	.04	.00011	.00035	.44	.00112	.00271	.0365
%RSD	.41027	1.2119	.01317	24.032	37.478	.33877	108.12	190.60	.63241
#1	.40027	.03911	338.49	.00037	.00069	129.64	.00024	.00049	5.7422
#2	.40260	.03844	338.55	.00052	.00119	129.02	.00183	-.00334	5.7938
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Y_3600-2	Y_3710	Zn2062
Line	189.989 {477}	407.771 { 83}	334.904 {101}	190.856 {477}	292.402 {115}	360.073 { 94}2	371.030 { 91}	206.200 {163}
IS Ref	(In2306)	(Y_3774)	(Y_3600)	(In2306)	(Y_3600)	(none)	(none)	(Y_3600)
Units	ppm	ppm	ppm	ppm	ppm	Cts/S	Cts/S	ppm
Avg	**-.00023**	**6.7211**	**.00275**	**.00059**	**.00030**	*****	*****	**.00129**
Stddev	.00026	.0550	.00062	.00151	.00021	-----	-----	.00029
%RSD	115.12	.81835	22.655	255.30	71.340	-----	-----	22.171
#1	-.00041	6.6822	.00231	-.00048	.00044	7127.	20890.	.00108
#2	-.00004	6.7600	.00320	.00166	.00015	7080.	20760.	.00149
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	None	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	**4130.7**	**7358.7**	**43255.**	**13330.**
Stddev	12.1	20.9	7.	57.
%RSD	.29393	.28359	.01637	.42896
#1	4122.1	7344.0	43250.	13370.
#2	4139.3	7373.5	43260.	13289.

Sample Name: 480-18385-B-7-A Acquired: 4/12/2012 19:24:19 Type: Unk
Method: ICAP2 2012(v35) Mode: CONC Corr. Factor: 1.000000
User: LMH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	As1937	As1972	B_2089	Ba4554-2	Be3130	Ca3179
Line	328.068 {103}	308.215 {109}	189.042 {478}	193.759 {474}	197.262 {471}	208.959 {461}	455.403 { 74}2	313.042 {108}	317.933 {106}
IS Ref	(Y_3600)	(Y_3774)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3774)	(Y_3774)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00090**	**.05233**	**.02215**	**.0194**	**.0137**	**.46237**	**.02320**	**.00010**	**72.973**
Stddev	.00000	.00934	.00065	.0008	.0021	.00019	.00016	.00005	.297
%RSD	.54187	17.842	2.9316	4.313	15.09	.04055	.68995	47.142	.40681
#1	-.00090	.05893	.02261	.0200	.0122	.46224	.02331	.00007	73.183
#2	-.00090	.04573	.02169	.0188	.0152	.46251	.02309	.00014	72.764
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Cd2288	Co2286	Cr2677	Cu3247	Fe2599	K_7664	K_7664-2	Li6707	Mg2790
Line	228.802 {447}	228.616 {447}	267.716 {126}	324.754 {104}	259.940 {130}	766.490 { 44}	766.490 { 44}2	670.784 { 50}	279.079 {121}2
IS Ref	(Y_2243)	(In2306)	(Y_3600)	(Y_3600)	(Y_3774)	(Y_3774)	(Y_3600)	(Y_3774)	(Y_3600)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00039**	**.00025**	**-.00075**	**.00115**	**.46500**	**2.7347**	**3.3999**	**.01955**	**25.138**
Stddev	.00001	.00003	.00019	.00073	.00180	.0006	.0248	.00100	.119
%RSD	2.6408	10.050	25.511	63.194	.38772	.02293	.72997	5.1297	.47500
#1	.00038	.00027	-.00089	.00167	.46627	2.7351	3.4174	.02026	25.223
#2	.00040	.00023	-.00062	.00064	.46372	2.7342	3.3824	.01884	25.054
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Mn2576	Mo2020	Na8183	Ni2316	Pb2203	S_1820	Sb2068	Se1960	Si2881
Line	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}2
IS Ref	(Y_3600)	(Y_2243)	(Y_3774)	(In2306)	(In2306)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3774)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.05727**	**.04748**	**140.24**	**.00075**	**.00021**	**62.239**	**-.00058**	**-.00006**	**6.0904**
Stddev	.00054	.00039	1.49	.00006	.00037	.025	.00076	.00070	.0146
%RSD	.94345	.83194	1.0632	7.8751	179.42	.03978	132.55	1163.7	.23968
#1	.05765	.04776	141.29	.00079	.00047	62.257	-.00112	.00043	6.0800
#2	.05689	.04720	139.18	.00071	-.00006	62.222	-.00004	-.00055	6.1007
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Y_3600-2	Y_3710	Zn2062
Line	189.989 {477}	407.771 { 83}	334.904 {101}	190.856 {477}	292.402 {115}	360.073 { 94}2	371.030 { 91}	206.200 {163}
IS Ref	(In2306)	(Y_3774)	(Y_3600)	(In2306)	(Y_3600)	(none)	(none)	(Y_3600)
Units	ppm	ppm	ppm	ppm	ppm	Cts/S	Cts/S	ppm
Avg	**-.00012**	**2.6332**	**.00066**	**.00027**	**.00001**	*****	*****	**.00148**
Stddev	.00054	.0143	.00081	.00028	.00014	-----	-----	.00012
%RSD	463.88	.54153	122.26	100.97	1034.6	-----	-----	8.1264
#1	.00027	2.6433	.00009	.00047	-.00009	7236.	21280.	.00140
#2	-.00050	2.6231	.00123	.00008	.00011	7280.	21390.	.00157
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	None	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	**4403.6**	**7693.1**	**45287.**	**13711.**
Stddev	1.6	.0	148.	41.
%RSD	.03652	.00031	.32701	.29670
#1	4404.8	7693.1	45182.	13682.
#2	4402.5	7693.1	45392.	13740.

Sample Name: 480-18385-B-8-A Acquired: 4/12/2012 19:26:30 Type: Unk
Method: ICAP2 2012(v35) Mode: CONC Corr. Factor: 1.000000
User: LMH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	As1937	As1972	B_2089	Ba4554-2	Be3130	Ca3179
Line	328.068 {103}	308.215 {109}	189.042 {478}	193.759 {474}	197.262 {471}	208.959 {461}	455.403 { 74}2	313.042 {108}	317.933 {106}
IS Ref	(Y_3600)	(Y_3774)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3774)	(Y_3774)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00217**	**.07452**	**.01182**	**.0121**	**.0040**	**.43458**	**.02527**	**.00011**	**229.91**
Stddev	.00165	.01985	.00099	.0005	.0009	.00066	.00006	.00001	3.39
%RSD	76.003	26.644	8.3924	4.238	22.49	.15163	.22444	9.1073	1.4761
#1	-.00333	.06048	.01112	.0117	.0034	.43411	.02523	.00011	227.51
#2	-.00100	.08856	.01252	.0124	.0046	.43504	.02531	.00010	232.31
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Cd2288	Co2286	Cr2677	Cu3247	Fe2599	K_7664	K_7664-2	Li6707	Mg2790
Line	228.802 {447}	228.616 {447}	267.716 {126}	324.754 {104}	259.940 {130}	766.490 { 44}	766.490 { 44}2	670.784 { 50}	279.079 {121}2
IS Ref	(Y_2243)	(In2306)	(Y_3600)	(Y_3600)	(Y_3774)	(Y_3774)	(Y_3600)	(Y_3774)	(Y_3600)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00060**	**.00010**	**-.00046**	**.00051**	**.01244**	**4.0213**	**6.0660**	**.02731**	**74.884**
Stddev	.00014	.00026	.00009	.00036	.00309	.0552	.0295	.00282	.179
%RSD	23.346	259.99	20.243	69.733	24.837	1.3718	.48621	10.313	.23899
#1	.00070	.00029	-.00039	.00076	.01025	3.9823	6.0869	.02532	74.758
#2	.00050	-.00009	-.00052	.00026	.01462	4.0603	6.0452	.02930	75.011
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Mn2576	Mo2020	Na8183	Ni2316	Pb2203	S_1820	Sb2068	Se1960	Si2881
Line	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}2
IS Ref	(Y_3600)	(Y_2243)	(Y_3774)	(In2306)	(In2306)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3774)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.40540**	**.03887**	**341.72**	**.00080**	**.00077**	**131.49**	**.00099**	**-.00002**	**5.8186**
Stddev	.00109	.00003	2.09	.00005	.00056	.08	.00008	.00168	.0370
%RSD	.26838	.08784	.61282	6.6363	72.057	.05810	7.9002	8211.4	.63620
#1	.40463	.03890	340.24	.00084	.00116	131.44	.00093	.00117	5.7925
#2	.40617	.03885	343.21	.00077	.00038	131.55	.00104	-.00121	5.8448
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Y_3600-2	Y_3710	Zn2062
Line	189.989 {477}	407.771 { 83}	334.904 {101}	190.856 {477}	292.402 {115}	360.073 { 94}2	371.030 { 91}	206.200 {163}
IS Ref	(In2306)	(Y_3774)	(Y_3600)	(In2306)	(Y_3600)	(none)	(none)	(Y_3600)
Units	ppm	ppm	ppm	ppm	ppm	Cts/S	Cts/S	ppm
Avg	**-.00041**	**6.7123**	**.00293**	**-.00024**	**.00013**	*****	*****	**.00194**
Stddev	.00104	.0663	.00074	.00079	.00055	-----	-----	.00010
%RSD	251.97	.98777	25.201	328.66	440.97	-----	-----	5.0773
#1	.00032	6.6654	.00241	.00032	-.00027	7236.	21260.	.00187
#2	-.00115	6.7592	.00345	-.00080	.00052	7149.	21000.	.00201
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	None	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	**4164.1**	**7421.4**	**43732.**	**13550.**
Stddev	.9	1.4	38.	117.
%RSD	.02104	.01927	.08611	.86590
#1	4164.8	7420.4	43759.	13633.
#2	4163.5	7422.4	43705.	13467.

Sample Name: CCV Acquired: 4/12/2012 19:29:02 Type: QC
Method: ICAP2 2012(v35) Mode: CONC Corr. Factor: 1.000000
User: LMH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	As1937	As1972	B_2089	Ba4554-2	Be3130	Ca3179	Cd2288	Co2286	Cr2677	Cu3247
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.49912**	**24.436**	**.49957**	**.4980**	**.4948**	**.49566**	**.51268**	**.47953**	**24.516**	**.49664**	**.48732**	**.50732**	**.49712**
Stddev	.00154	.006	.00015	.0022	.0001	.00130	.00035	.00016	.016	.00155	.00030	.00086	.00145
%RSD	.30910	.02660	.02919	.4450	.0246	.26195	.06906	.03386	.06505	.31136	.06195	.17035	.29225
#1	.50021	24.441	.49946	.4965	.4947	.49474	.51243	.47941	24.527	.49555	.48711	.50794	.49815
#2	.49803	24.432	.49967	.4996	.4949	.49657	.51294	.47964	24.505	.49774	.48754	.50671	.49610
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	Fe2599	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	ppm
Avg	**23.997**	**25.842**	**25.503**	**.51768**	**25.246**	**.51703**	**.51505**	**25.758**	**.49719**	**.49263**	**24.849**	**.50849**	**.50193**
Stddev	.054	.016	.158	.00023	.050	.00135	.00122	.011	.00113	.00079	.048	.00453	.00019
%RSD	.22534	.06310	.62066	.04378	.19984	.26197	.23698	.04165	.22632	.15983	.19306	.89107	.03831
#1	23.959	25.830	25.391	.51752	25.211	.51607	.51418	25.765	.49640	.49207	24.815	.50529	.50179
#2	24.036	25.853	25.615	.51784	25.282	.51799	.51591	25.750	.49799	.49319	24.882	.51170	.50207
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	Si2881	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Y_3600-2	Y_3710	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm	Cts/S	Cts/S	ppm
Avg	**23.734**	**.52664**	**.49851**	**.50607**	**.51251**	**.50213**	z *****	z *****	**.52771**
Stddev	.009	.00001	.00036	.00165	.00142	.00065	-----	-----	.00284
%RSD	.03783	.00117	.07144	.32535	.27776	.12924	-----	-----	.53808
#1	23.740	.52663	.49876	.50490	.51352	.50167	z 7373.	z 21710.	.52570
#2	23.728	.52664	.49826	.50723	.51150	.50259	z 7347.	z 21600.	.52971
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	None	Chk Pass
Value									
Range									

Int. Std.	In2306	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**4519.0**	**7897.1**	**47347.**	**13921.**
Stddev	3.5	1.8	250.	70.
%RSD	.07762	.02256	.52858	.50165
#1	4516.5	7895.8	47524.	13970.
#2	4521.5	7898.4	47170.	13871.

Sample Name: CCB Acquired: 4/12/2012 19:31:03 Type: QC
Method: ICAP2 2012(v35) Mode: CONC Corr. Factor: 1.000000
User: LMH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	As1937	As1972	B_2089	Ba4554-2	Be3130	Ca3179	Cd2288	Co2286	Cr2677	Cu3247
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00031**	**.01149**	**.00007**	**.0012**	**-.0025**	**.00213**	**.00005**	**.00006**	**.01793**	**.00020**	**.00025**	**-.00063**	**-.00058**
Stddev	.00044	.01581	.00388	.0010	.0019	.00021	.00000	.00008	.00074	.00026	.00011	.00048	.00055
%RSD	142.69	137.66	5236.8	81.16	75.91	9.8891	7.5130	143.50	4.1143	134.52	45.933	76.820	95.895
#1	.00000	.02267	.00282	.0005	-.0011	.00198	.00005	.00012	.01741	.00001	.00017	-.00097	-.00019
#2	-.00062	.00031	-.00267	.0019	-.0038	.00228	.00004	.00000	.01845	.00038	.00033	-.00029	-.00097
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	Fe2599	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	ppm
Avg	**-.00025**	**.07531**	**.00417**	**.00058**	**.00764**	**.00003**	**.00007**	**.08077**	**.00054**	**.00086**	**.01893**	**.00100**	**.00122**
Stddev	.00060	.03187	.00039	.00117	.00180	.00013	.00001	.00546	.00000	.00060	.00116	.00006	.00027
%RSD	234.25	42.320	9.4033	200.53	23.538	476.78	10.788	6.7554	.19178	69.772	6.1389	5.8747	22.243
#1	-.00068	.09785	.00389	-.00024	.00891	-.00007	.00007	.07691	.00054	.00129	.01975	.00096	.00141
#2	.00017	.05277	.00445	.00141	.00636	.00012	.00006	.08463	.00054	.00044	.01811	.00104	.00103
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	Si2881	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Y_3600-2	Y_3710	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm	Cts/S	Cts/S	ppm
Avg	**.01099**	**.00051**	**.00046**	**-.00008**	**.00032**	**.00018**	z *****	z *****	**.00011**
Stddev	.00933	.00054	.00000	.00020	.00012	.00045	-----	-----	.00024
%RSD	84.862	104.93	.78408	255.67	37.462	249.04	-----	-----	214.61
#1	.00440	.00090	.00046	.00006	.00024	.00050	z 7344.	z 21580.	.00029
#2	.01759	.00013	.00047	-.00022	.00041	-.00014	z 7381.	z 21660.	-.00006
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	None	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	**4698.5**	**8006.0**	**48776.**	**13865.**
Stddev	10.8	18.8	108.	5.
%RSD	.22980	.23525	.22201	.03248
#1	4706.2	8019.4	48853.	13869.
#2	4690.9	7992.7	48700.	13862.

Sample Name: 480-18389-D-1-A Acquired: 4/12/2012 19:33:13 Type: Unk
Method: ICAP2 2012(v35) Mode: CONC Corr. Factor: 1.000000
User: LMH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	As1937	As1972	B_2089	Ba4554-2	Be3130	Ca3179
Line	328.068 {103}	308.215 {109}	189.042 {478}	193.759 {474}	197.262 {471}	208.959 {461}	455.403 { 74}2	313.042 {108}	317.933 {106}
IS Ref	(Y_3600)	(Y_3774)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3774)	(Y_3774)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00027**	**.04990**	**-.00008**	**.0004**	**-.0047**	**.22503**	**.13867**	**.00017**	**243.62**
Stddev	.00108	.00427	.00133	.0018	.0020	.00016	.00100	.00006	1.67
%RSD	405.09	8.5655	1603.0	499.8	42.73	.06963	.72199	37.299	.68739
#1	-.00103	.05292	-.00103	-.0009	-.0033	.22514	.13938	.00021	244.81
#2	.00050	.04687	.00086	.0017	-.0061	.22492	.13796	.00012	242.44
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Cd2288	Co2286	Cr2677	Cu3247	Fe2599	K_7664	K_7664-2	Li6707	Mg2790
Line	228.802 {447}	228.616 {447}	267.716 {126}	324.754 {104}	259.940 {130}	766.490 { 44}	766.490 { 44}2	670.784 { 50}	279.079 {121}2
IS Ref	(Y_2243)	(In2306)	(Y_3600)	(Y_3600)	(Y_3774)	(Y_3774)	(Y_3600)	(Y_3774)	(Y_3600)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00034**	**.00204**	**.00098**	**.00165**	**12.361**	**3.6980**	**4.2672**	**.02221**	**92.030**
Stddev	.00021	.00008	.00041	.00062	.019	.0419	.0288	.00073	.290
%RSD	62.776	3.8504	42.225	37.469	.15485	1.1326	.67453	3.2993	.31520
#1	.00049	.00209	.00128	.00121	12.348	3.6683	4.2875	.02170	92.235
#2	.00019	.00198	.00069	.00209	12.375	3.7276	4.2468	.02273	91.824
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Mn2576	Mo2020	Na5895	Ni2316	Pb2203	S_1820	Sb2068	Se1960	Si2881
Line	257.610 {131}	202.030 {467}	589.592 { 57}	231.604 {446}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}2
IS Ref	(Y_3600)	(Y_2243)	(Y_3774)	(In2306)	(In2306)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3774)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.10290**	**.00023**	**26.811**	**.03749**	**.00129**	**6.3097**	**.00312**	**.00189**	**13.089**
Stddev	.00067	.00030	.036	.00108	.00066	.0016	.00089	.00251	.009
%RSD	.65324	128.74	.13491	2.8884	50.753	.02543	28.467	133.06	.07123
#1	.10338	.00045	26.786	.03826	.00176	6.3086	.00375	.00011	13.082
#2	.10243	.00002	26.837	.03672	.00083	6.3109	.00249	.00366	13.096
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Y_3600-2	Y_3710	Zn2062
Line	189.989 {477}	407.771 { 83}	334.904 {101}	190.856 {477}	292.402 {115}	360.073 { 94}2	371.030 { 91}	206.200 {163}
IS Ref	(In2306)	(Y_3774)	(Y_3600)	(In2306)	(Y_3600)	(none)	(none)	(Y_3600)
Units	ppm	ppm	ppm	ppm	ppm	Cts/S	Cts/S	ppm
Avg	**-.00009**	**.34580**	**.00326**	**-.00028**	**.00153**	*****	*****	**.00131**
Stddev	.00020	.00090	.00033	.00137	.00105	-----	-----	.00025
%RSD	226.41	.25911	10.028	494.14	68.509	-----	-----	19.232
#1	.00005	.34517	.00349	.00069	.00227	7188.	21100.	.00149
#2	-.00022	.34643	.00303	-.00125	.00079	7165.	21010.	.00113
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	None	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	**4231.9**	**7496.5**	**44940.**	**13478.**
Stddev	7.6	4.6	66.	54.
%RSD	.17997	.06099	.14702	.40381
#1	4226.5	7493.3	44893.	13517.
#2	4237.3	7499.7	44986.	13440.

Sample Name: 480-18389-D-2-A Acquired: 4/12/2012 19:35:23 Type: Unk
Method: ICAP2 2012(v35) Mode: CONC Corr. Factor: 1.000000
User: LMH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	As1937	As1972	B_2089	Ba4554-2	Be3130	Ca3179
Line	328.068 {103}	308.215 {109}	189.042 {478}	193.759 {474}	197.262 {471}	208.959 {461}	455.403 { 74}2	313.042 {108}	317.933 {106}
IS Ref	(Y_3600)	(Y_3774)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3774)	(Y_3774)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00166**	**.06085**	**-.00169**	**.0005**	**-.0042**	**.02261**	**.00305**	**.00007**	**31.493**
Stddev	.00040	.00927	.00224	.0007	.0018	.00016	.00002	.00007	.069
%RSD	24.100	15.238	132.95	156.4	42.13	.71989	.79370	100.81	.21790
#1	-.00137	.06740	-.00010	.0010	-.0029	.02250	.00307	.00002	31.444
#2	-.00194	.05429	-.00327	.0000	-.0054	.02273	.00304	.00012	31.541
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Cd2288	Co2286	Cr2677	Cu3247	Fe2599	K_7664	K_7664-2	Li6707	Mg2790
Line	228.802 {447}	228.616 {447}	267.716 {126}	324.754 {104}	259.940 {130}	766.490 { 44}	766.490 { 44}2	670.784 { 50}	279.079 {121}2
IS Ref	(Y_2243)	(In2306)	(Y_3600)	(Y_3600)	(Y_3774)	(Y_3774)	(Y_3600)	(Y_3774)	(Y_3600)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00022**	**-.00003**	**-.00059**	**.00135**	**16.367**	**1.9148**	**1.6813**	**.00833**	**39.458**
Stddev	.00002	.00013	.00025	.00017	.002	.0532	.0123	.00029	.287
%RSD	9.6408	425.31	42.505	12.894	.01290	2.7781	.73141	3.4219	.72645
#1	.00021	-.00012	-.00041	.00147	16.366	1.9525	1.6899	.00853	39.661
#2	.00024	.00006	-.00077	.00122	16.369	1.8772	1.6726	.00813	39.255
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Mn2576	Mo2020	Na5895	Ni2316	Pb2203	S_1820	Sb2068	Se1960	Si2881
Line	257.610 {131}	202.030 {467}	589.592 { 57}	231.604 {446}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}2
IS Ref	(Y_3600)	(Y_2243)	(Y_3774)	(In2306)	(In2306)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3774)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.20614**	**.00018**	**4.0323**	**.00271**	**-.00003**	**6.0633**	**.00199**	**-.00101**	**4.8579**
Stddev	.00107	.00002	.0008	.00024	.00186	.0121	.00203	.00334	.0012
%RSD	.51811	9.7522	.02052	8.8638	6315.0	.20004	101.78	329.02	.02498
#1	.20689	.00017	4.0329	.00288	.00129	6.0719	.00343	.00135	4.8571
#2	.20538	.00019	4.0317	.00254	-.00135	6.0548	.00056	-.00338	4.8588
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Y_3600-2	Y_3710	Zn2062
Line	189.989 {477}	407.771 { 83}	334.904 {101}	190.856 {477}	292.402 {115}	360.073 { 94}2	371.030 { 91}	206.200 {163}
IS Ref	(In2306)	(Y_3774)	(Y_3600)	(In2306)	(Y_3600)	(none)	(none)	(Y_3600)
Units	ppm	ppm	ppm	ppm	ppm	Cts/S	Cts/S	ppm
Avg	**-.00006**	**.01915**	**.00055**	**-.00042**	**.00041**	*****	*****	**.00360**
Stddev	.00014	.00024	.00076	.00048	.00016	-----	-----	.00051
%RSD	236.27	1.2616	138.35	115.42	39.294	-----	-----	14.120
#1	.00004	.01932	.00108	-.00076	.00053	7248.	21340.	.00396
#2	-.00016	.01898	.00001	-.00008	.00030	7249.	21310.	.00324
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	None	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	**4513.9**	**7825.6**	**47057.**	**13739.**
Stddev	4.3	1.6	388.	39.
%RSD	.09438	.02107	.82377	.28553
#1	4510.9	7826.8	46783.	13767.
#2	4516.9	7824.4	47331.	13711.

Sample Name: MB 480-58757/27-C Acquired: 4/12/2012 19:37:25 Type: Unk
Method: ICAP2 2012(v35) Mode: CONC Corr. Factor: 1.000000
User: LMH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	As1937	As1972	B_2089	Ba4554-2	Be3130	Ca3179
Line	328.068 {103}	308.215 {109}	189.042 {478}	193.759 {474}	197.262 {471}	208.959 {461}	455.403 { 74}2	313.042 {108}	317.933 {106}
IS Ref	(Y_3600)	(Y_3774)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3774)	(Y_3774)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00073**	**.04802**	**.00131**	**-.0005**	**-.0039**	**.00611**	**.00013**	**.00013**	**.11117**
Stddev	.00070	.01817	.00036	.0005	.0021	.00001	.00002	.00002	.00078
%RSD	96.085	37.828	27.693	87.79	54.65	.20702	18.357	13.547	.70436
#1	-.00123	.03518	.00105	-.0009	-.0024	.00610	.00015	.00014	.11173
#2	-.00024	.06087	.00157	-.0002	-.0054	.00611	.00011	.00012	.11062
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Cd2288	Co2286	Cr2677	Cu3247	Fe2599	K_7664	K_7664-2	Li6707	Mg2790
Line	228.802 {447}	228.616 {447}	267.716 {126}	324.754 {104}	259.940 {130}	766.490 { 44}	766.490 { 44}2	670.784 { 50}	279.079 {121}2
IS Ref	(Y_2243)	(In2306)	(Y_3600)	(Y_3600)	(Y_3774)	(Y_3774)	(Y_3600)	(Y_3774)	(Y_3600)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00015**	**.00005**	**.00003**	**.00038**	**.01666**	**.07619**	**.00457**	**.00097**	**.01404**
Stddev	.00000	.00004	.00022	.00008	.00422	.00110	.00011	.00035	.00250
%RSD	.09242	67.047	680.69	20.162	25.360	1.4385	2.3148	36.447	17.818
#1	.00015	.00003	.00019	.00044	.01367	.07696	.00465	.00122	.01227
#2	.00015	.00008	-.00013	.00033	.01964	.07541	.00450	.00072	.01581
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Mn2576	Mo2020	Na5895	Ni2316	Pb2203	S_1820	Sb2068	Se1960	Si2881
Line	257.610 {131}	202.030 {467}	589.592 { 57}	231.604 {446}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}2
IS Ref	(Y_3600)	(Y_2243)	(Y_3774)	(In2306)	(In2306)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3774)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00074**	**.00008**	**.06215**	**.00064**	**.00013**	**.01322**	**.00150**	**-.00171**	**.00374**
Stddev	.00005	.00009	.01963	.00006	.00226	.00033	.00123	.00254	.00171
%RSD	6.8648	123.03	31.584	10.214	1702.8	2.5240	81.681	148.57	45.824
#1	.00078	.00014	.04827	.00059	-.00147	.01346	.00063	.00009	.00495
#2	.00070	.00001	.07603	.00068	.00173	.01299	.00237	-.00351	.00253
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Y_3600-2	Y_3710	Zn2062
Line	189.989 {477}	407.771 { 83}	334.904 {101}	190.856 {477}	292.402 {115}	360.073 { 94}2	371.030 { 91}	206.200 {163}
IS Ref	(In2306)	(Y_3774)	(Y_3600)	(In2306)	(Y_3600)	(none)	(none)	(Y_3600)
Units	ppm	ppm	ppm	ppm	ppm	Cts/S	Cts/S	ppm
Avg	**-.00029**	**.00071**	**-.00029**	**.00067**	**-.00008**	F *****	*****	**.00060**
Stddev	.00005	.00002	.00007	.00056	.00026	-----	-----	.00003
%RSD	15.500	2.9520	24.389	84.342	341.83	-----	-----	5.5440
#1	-.00026	.00072	-.00034	.00027	-.00026	7366.	21650.	.00057
#2	-.00033	.00069	-.00024	.00107	.00011	7350.	21620.	.00062
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass
High Limit						12.00		
Low Limit						8.000		

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	**4683.4**	**8011.3**	**48621.**	**13937.**
Stddev	6.2	21.4	25.	53.
%RSD	.13242	.26707	.05063	.37924
#1	4679.0	7996.2	48603.	13975.
#2	4687.8	8026.4	48638.	13900.

Sample Name: LCS 480-58757/28-C Acquired: 4/12/2012 19:39:31 Type: Unk
Method: ICAP2 2012(v35) Mode: CONC Corr. Factor: 1.000000
User: LMH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	As1937	As1972	B_2089	Ba4554-2	Be3130	Ca3179
Line	328.068 {103}	308.215 {109}	189.042 {478}	193.759 {474}	197.262 {471}	208.959 {461}	455.403 { 74}2	313.042 {108}	317.933 {106}
IS Ref	(Y_3600)	(Y_3774)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3774)	(Y_3774)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.04895**	**9.8760**	**.19674**	**.1963**	**.1923**	**.20488**	**.20565**	**.20160**	**9.7389**
Stddev	.00034	.0179	.00110	.0001	.0001	.00047	.00021	.00055	.0278
%RSD	.69862	.18128	.56131	.0745	.0492	.22934	.10172	.27384	.28530
#1	.04870	9.8887	.19596	.1961	.1922	.20455	.20550	.20121	9.7192
#2	.04919	9.8634	.19752	.1964	.1924	.20521	.20580	.20199	9.7585
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Cd2288	Co2286	Cr2677	Cu3247	Fe2599	K_7664	K_7664-2	Li6707	Mg2790
Line	228.802 {447}	228.616 {447}	267.716 {126}	324.754 {104}	259.940 {130}	766.490 { 44}	766.490 { 44}2	670.784 { 50}	279.079 {121}2
IS Ref	(Y_2243)	(In2306)	(Y_3600)	(Y_3600)	(Y_3774)	(Y_3774)	(Y_3600)	(Y_3774)	(Y_3600)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.19659**	**.19745**	**.20226**	**.20015**	**9.5002**	**10.353**	**9.1668**	**.20793**	**9.9524**
Stddev	.00019	.00040	.00061	.00027	.0416	.003	.0137	.00351	.0249
%RSD	.09778	.20009	.30167	.13656	.43775	.02551	.14989	1.6875	.24965
#1	.19645	.19717	.20183	.20035	9.4708	10.351	9.1571	.20545	9.9700
#2	.19672	.19773	.20269	.19996	9.5296	10.354	9.1766	.21042	9.9349
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Mn2576	Mo2020	Na5895	Ni2316	Pb2203	S_1820	Sb2068	Se1960	Si2881
Line	257.610 {131}	202.030 {467}	589.592 { 57}	231.604 {446}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}2
IS Ref	(Y_3600)	(Y_2243)	(Y_3774)	(In2306)	(In2306)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3774)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.20739**	**.20694**	**10.324**	**.19695**	**.19950**	**.00691**	**.19824**	**.19527**	**9.5170**
Stddev	.00011	.00059	.007	.00004	.00045	.00121	.00000	.00077	.0378
%RSD	.05500	.28371	.06447	.01982	.22554	17.543	.00114	.39185	.39744
#1	.20747	.20735	10.320	.19693	.19982	.00606	.19824	.19581	9.4903
#2	.20731	.20652	10.329	.19698	.19918	.00777	.19824	.19473	9.5437
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Y_3600-2	Y_3710	Zn2062
Line	189.989 {477}	407.771 { 83}	334.904 {101}	190.856 {477}	292.402 {115}	360.073 { 94}2	371.030 { 91}	206.200 {163}
IS Ref	(In2306)	(Y_3774)	(Y_3600)	(In2306)	(Y_3600)	(none)	(none)	(Y_3600)
Units	ppm	ppm	ppm	ppm	ppm	Cts/S	Cts/S	ppm
Avg	**.19949**	**.20135**	**.19938**	**.20402**	**.19796**	*****	*****	**.21982**
Stddev	.00059	.00017	.00060	.00119	.00033	-----	-----	.00020
%RSD	.29814	.08511	.30183	.58353	.16503	-----	-----	.08924
#1	.19991	.20123	.19895	.20487	.19773	7268.	21420.	.21996
#2	.19907	.20147	.19980	.20318	.19819	7336.	21530.	.21968
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	None	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	**4593.7**	**7940.7**	**47955.**	**13824.**
Stddev	9.2	15.8	102.	55.
%RSD	.19999	.19947	.21329	.39697
#1	4600.2	7951.9	47883.	13785.
#2	4587.2	7929.5	48027.	13862.

Sample Name: 480-18398-C-1-A Acquired: 4/12/2012 19:41:34 Type: Unk
Method: ICAP2 2012(v35) Mode: CONC Corr. Factor: 1.000000
User: LMH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	As1937	As1972	B_2089	Ba4554-2	Be3130	Ca3179
Line	328.068 {103}	308.215 {109}	189.042 {478}	193.759 {474}	197.262 {471}	208.959 {461}	455.403 { 74}2	313.042 {108}	317.933 {106}
IS Ref	(Y_3600)	(Y_3774)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3774)	(Y_3774)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00047**	**.05902**	**.02028**	**.0218**	**.0179**	**.70602**	**.05250**	**.00020**	**24.248**
Stddev	.00055	.02872	.00084	.0001	.0014	.00127	.00003	.00002	.072
%RSD	117.03	48.664	4.1419	.4180	7.576	.18004	.06148	7.7275	.29693
#1	-.00087	.07932	.02087	.0219	.0189	.70512	.05252	.00021	24.197
#2	-.00008	.03871	.01969	.0218	.0170	.70691	.05248	.00019	24.299
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Cd2288	Co2286	Cr2677	Cu3247	Fe2599	K_7664	K_7664-2	Li6707	Mg2790
Line	228.802 {447}	228.616 {447}	267.716 {126}	324.754 {104}	259.940 {130}	766.490 { 44}	766.490 { 44}2	670.784 { 50}	279.079 {121}2
IS Ref	(Y_2243)	(In2306)	(Y_3600)	(Y_3600)	(Y_3774)	(Y_3774)	(Y_3600)	(Y_3774)	(Y_3600)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00017**	**.00006**	**-.00056**	**-.00007**	**.21894**	**2.3880**	**2.6713**	**.02427**	**11.420**
Stddev	.00004	.00007	.00031	.00015	.00368	.0012	.0019	.00075	.001
%RSD	23.586	119.88	56.311	209.94	1.6817	.05198	.06918	3.0946	.01176
#1	.00014	.00001	-.00078	-.00017	.22154	2.3871	2.6700	.02481	11.419
#2	.00020	.00011	-.00033	.00003	.21633	2.3889	2.6726	.02374	11.421
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Mn2576	Mo2020	Na8183	Ni2316	Pb2203	S_1820	Sb2068	Se1960	Si2881
Line	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}2
IS Ref	(Y_3600)	(Y_2243)	(Y_3774)	(In2306)	(In2306)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3774)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.01226**	**.01873**	**77.183**	**.00026**	**.00006**	**12.760**	**.00091**	**-.00072**	**5.7759**
Stddev	.00005	.00015	.165	.00042	.00086	.002	.00021	.00299	.0056
%RSD	.40412	.82176	.21418	163.75	1339.9	.01371	23.449	416.88	.09638
#1	.01222	.01862	77.300	.00056	.00067	12.762	.00076	-.00283	5.7720
#2	.01229	.01883	77.066	-.00004	-.00054	12.759	.00106	.00140	5.7799
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Y_3600-2	Y_3710	Zn2062
Line	189.989 {477}	407.771 { 83}	334.904 {101}	190.856 {477}	292.402 {115}	360.073 { 94}2	371.030 { 91}	206.200 {163}
IS Ref	(In2306)	(Y_3774)	(Y_3600)	(In2306)	(Y_3600)	(none)	(none)	(Y_3600)
Units	ppm	ppm	ppm	ppm	ppm	Cts/S	Cts/S	ppm
Avg	**-.00027**	**1.0152**	**.00046**	**.00085**	**.00032**	*****	*****	**.00164**
Stddev	.00034	.0020	.00008	.00178	.00057	-----	-----	.00011
%RSD	126.75	.19346	17.553	210.51	178.93	-----	-----	6.4880
#1	-.00051	1.0139	.00040	.00210	.00073	7283.	21430.	.00172
#2	-.00003	1.0166	.00051	-.00041	-.00008	7284.	21450.	.00157
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	None	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	**4549.9**	**7850.3**	**46962.**	**13783.**
Stddev	1.6	9.8	245.	10.
%RSD	.03565	.12421	.52067	.07063
#1	4551.1	7843.4	46789.	13776.
#2	4548.8	7857.2	47135.	13790.

Sample Name: 480-18398-C-2-A Acquired: 4/12/2012 19:43:39 Type: Unk
Method: ICAP2 2012(v35) Mode: CONC Corr. Factor: 1.000000
User: LMH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	As1937	As1972	B_2089	Ba4554-2	Be3130	Ca3179
Line	328.068 {103}	308.215 {109}	189.042 {478}	193.759 {474}	197.262 {471}	208.959 {461}	455.403 { 74}2	313.042 {108}	317.933 {106}
IS Ref	(Y_3600)	(Y_3774)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3774)	(Y_3774)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00103**	**.05377**	**.00947**	**.0076**	**.0048**	**.68717**	**.02116**	**.00004**	**31.011**
Stddev	.00053	.01262	.00037	.0009	.0011	.00135	.00003	.00006	.000
%RSD	51.764	23.468	3.9469	11.42	23.62	.19701	.14692	138.18	.00019
#1	-.00065	.06269	.00920	.0070	.0040	.68621	.02119	.00000	31.011
#2	-.00141	.04484	.00973	.0083	.0055	.68813	.02114	.00009	31.012
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Cd2288	Co2286	Cr2677	Cu3247	Fe2599	K_7664	K_7664-2	Li6707	Mg2790
Line	228.802 {447}	228.616 {447}	267.716 {126}	324.754 {104}	259.940 {130}	766.490 { 44}	766.490 { 44}2	670.784 { 50}	279.079 {121}2
IS Ref	(Y_2243)	(In2306)	(Y_3600)	(Y_3600)	(Y_3774)	(Y_3774)	(Y_3600)	(Y_3774)	(Y_3600)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00023**	**.00016**	**-.00025**	**.00096**	**.04823**	**2.1074**	**2.4704**	**.01070**	**10.871**
Stddev	.00005	.00007	.00006	.00052	.00340	.0088	.0071	.00231	.019
%RSD	20.654	43.259	25.478	54.244	7.0486	.41725	.28788	21.588	.17394
#1	.00027	.00011	-.00029	.00059	.04582	2.1136	2.4755	.01234	10.885
#2	.00020	.00021	-.00020	.00132	.05063	2.1012	2.4654	.00907	10.858
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Mn2576	Mo2020	Na8183	Ni2316	Pb2203	S_1820	Sb2068	Se1960	Si2881
Line	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}2
IS Ref	(Y_3600)	(Y_2243)	(Y_3774)	(In2306)	(In2306)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3774)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.01167**	**.04552**	**97.369**	**.00085**	**-.00093**	**42.771**	**.00050**	**.00073**	**5.1182**
Stddev	.00002	.00012	.603	.00002	.00077	.031	.00039	.00216	.0296
%RSD	.13681	.27407	.61895	1.9927	82.824	.07162	76.481	294.90	.57937
#1	.01166	.04543	96.943	.00084	-.00038	42.792	.00023	.00226	5.1392
#2	.01168	.04561	97.795	.00086	-.00147	42.749	.00078	-.00079	5.0973
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Y_3600-2	Y_3710	Zn2062
Line	189.989 {477}	407.771 { 83}	334.904 {101}	190.856 {477}	292.402 {115}	360.073 { 94}2	371.030 { 91}	206.200 {163}
IS Ref	(In2306)	(Y_3774)	(Y_3600)	(In2306)	(Y_3600)	(none)	(none)	(Y_3600)
Units	ppm	ppm	ppm	ppm	ppm	Cts/S	Cts/S	ppm
Avg	**.00024**	**.80076**	**.00055**	**.00045**	**.00071**	*****	*****	**.00192**
Stddev	.00008	.00032	.00010	.00053	.00102	-----	-----	.00012
%RSD	33.137	.04043	17.327	118.27	144.04	-----	-----	6.3508
#1	.00018	.80099	.00062	.00082	-.00001	7282.	21380.	.00184
#2	.00030	.80053	.00048	.00007	.00142	7273.	21380.	.00201
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	None	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	**4513.2**	**7798.8**	**46444.**	**13787.**
Stddev	3.6	12.5	19.	38.
%RSD	.07948	.16080	.04013	.27899
#1	4515.7	7807.6	46457.	13814.
#2	4510.6	7789.9	46430.	13760.

Sample Name: 480-18398-C-3-A Acquired: 4/12/2012 19:45:47 Type: Unk
Method: ICAP2 2012(v35) Mode: CONC Corr. Factor: 1.000000
User: LMH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	As1937	As1972	B_2089	Ba4554-2	Be3130	Ca3179
Line	328.068 {103}	308.215 {109}	189.042 {478}	193.759 {474}	197.262 {471}	208.959 {461}	455.403 { 74}2	313.042 {108}	317.933 {106}
IS Ref	(Y_3600)	(Y_3774)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3774)	(Y_3774)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00170**	**.05299**	**.02078**	**.0191**	**.0137**	**.65775**	**.07571**	**.00004**	**25.939**
Stddev	.00013	.02037	.00272	.0014	.0012	.00226	.00006	.00008	.008
%RSD	7.8966	38.446	13.096	7.158	8.789	.34435	.07720	214.78	.03050
#1	-.00180	.03858	.01885	.0181	.0145	.65615	.07567	-.00002	25.945
#2	-.00161	.06739	.02270	.0201	.0128	.65935	.07575	.00010	25.934
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Cd2288	Co2286	Cr2677	Cu3247	Fe2599	K_7664	K_7664-2	Li6707	Mg2790
Line	228.802 {447}	228.616 {447}	267.716 {126}	324.754 {104}	259.940 {130}	766.490 { 44}	766.490 { 44}2	670.784 { 50}	279.079 {121}2
IS Ref	(Y_2243)	(In2306)	(Y_3600)	(Y_3600)	(Y_3774)	(Y_3774)	(Y_3600)	(Y_3774)	(Y_3600)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00007**	**.00034**	**-.00068**	**-.00032**	**.17917**	**2.6999**	**2.9947**	**.02208**	**12.695**
Stddev	.00004	.00012	.00058	.00026	.00375	.0110	.0050	.00109	.025
%RSD	59.731	35.916	85.254	80.174	2.0939	.40746	.16676	4.9209	.19989
#1	.00004	.00042	-.00108	-.00014	.18182	2.6922	2.9912	.02285	12.713
#2	.00009	.00025	-.00027	-.00051	.17651	2.7077	2.9982	.02132	12.677
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Mn2576	Mo2020	Na8183	Ni2316	Pb2203	S_1820	Sb2068	Se1960	Si2881
Line	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}2
IS Ref	(Y_3600)	(Y_2243)	(Y_3774)	(In2306)	(In2306)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3774)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.06803**	**.01972**	**72.691**	**.00088**	**.00076**	**16.274**	**.00109**	**.00007**	**5.9237**
Stddev	.00012	.00010	.131	.00025	.00051	.074	.00020	.00002	.0006
%RSD	.17224	.51332	.18076	28.089	67.447	.45238	17.979	28.329	.00988
#1	.06811	.01979	72.598	.00105	.00040	16.222	.00095	.00008	5.9241
#2	.06794	.01965	72.784	.00070	.00112	16.326	.00123	.00005	5.9233
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Y_3600-2	Y_3710	Zn2062
Line	189.989 {477}	407.771 { 83}	334.904 {101}	190.856 {477}	292.402 {115}	360.073 { 94}2	371.030 { 91}	206.200 {163}
IS Ref	(In2306)	(Y_3774)	(Y_3600)	(In2306)	(Y_3600)	(none)	(none)	(Y_3600)
Units	ppm	ppm	ppm	ppm	ppm	Cts/S	Cts/S	ppm
Avg	**-.00018**	**1.1614**	**.00004**	**-.00051**	**.00045**	*****	*****	**.00095**
Stddev	.00001	.0006	.00002	.00130	.00106	-----	-----	.00038
%RSD	6.2970	.04753	45.120	254.48	238.08	-----	-----	39.419
#1	-.00018	1.1611	.00003	.00041	.00120	7196.	21270.	.00069
#2	-.00017	1.1618	.00005	-.00143	-.00031	7231.	21440.	.00122
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	None	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	**4529.5**	**7813.4**	**46481.**	**13828.**
Stddev	1.7	1.0	183.	63.
%RSD	.03857	.01235	.39475	.45759
#1	4528.3	7812.7	46352.	13783.
#2	4530.8	7814.1	46611.	13873.

Sample Name: 480-18398-C-4-A Acquired: 4/12/2012 19:47:53 Type: Unk
Method: ICAP2 2012(v35) Mode: CONC Corr. Factor: 1.000000
User: LMH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	As1937	As1972	B_2089	Ba4554-2	Be3130	Ca3179
Line	328.068 {103}	308.215 {109}	189.042 {478}	193.759 {474}	197.262 {471}	208.959 {461}	455.403 { 74}2	313.042 {108}	317.933 {106}
IS Ref	(Y_3600)	(Y_3774)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3774)	(Y_3774)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00053**	**.06443**	**.01014**	**.0084**	**.0085**	**.81593**	**.04436**	**-.00001**	**25.508**
Stddev	.00065	.02429	.00098	.0006	.0000	.00066	.00002	.00004	.082
%RSD	121.16	37.701	9.6550	6.871	.2301	.08072	.03821	375.42	.32012
#1	-.00099	.08160	.00945	.0088	.0085	.81639	.04438	-.00004	25.451
#2	-.00008	.04725	.01084	.0080	.0086	.81546	.04435	.00002	25.566
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Cd2288	Co2286	Cr2677	Cu3247	Fe2599	K_7664	K_7664-2	Li6707	Mg2790
Line	228.802 {447}	228.616 {447}	267.716 {126}	324.754 {104}	259.940 {130}	766.490 { 44}	766.490 { 44}2	670.784 { 50}	279.079 {121}2
IS Ref	(Y_2243)	(In2306)	(Y_3600)	(Y_3600)	(Y_3774)	(Y_3774)	(Y_3600)	(Y_3774)	(Y_3600)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00014**	**.00015**	**-.00082**	**.00029**	**.14969**	**2.1758**	**2.4862**	**.01465**	**10.317**
Stddev	.00016	.00010	.00033	.00052	.00345	.0194	.0017	.00009	.015
%RSD	115.95	65.101	40.390	179.12	2.3079	.88966	.06897	.58755	.14127
#1	.00003	.00022	-.00059	.00066	.14724	2.1621	2.4849	.01459	10.307
#2	.00025	.00008	-.00105	-.00008	.15213	2.1895	2.4874	.01471	10.328
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Mn2576	Mo2020	Na8183	Ni2316	Pb2203	S_1820	Sb2068	Se1960	Si2881
Line	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}2
IS Ref	(Y_3600)	(Y_2243)	(Y_3774)	(In2306)	(In2306)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3774)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00953**	**.03213**	**97.746**	**.00060**	**.00010**	**28.460**	**.00089**	**-.00180**	**5.4640**
Stddev	.00014	.00029	.712	.00001	.00075	.015	.00022	.00155	.0101
%RSD	1.5052	.89452	.72868	2.3561	725.20	.05114	24.608	86.154	.18392
#1	.00943	.03233	97.243	.00059	-.00043	28.470	.00104	-.00289	5.4568
#2	.00963	.03192	98.250	.00061	.00063	28.449	.00074	-.00070	5.4711
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Y_3600-2	Y_3710	Zn2062
Line	189.989 {477}	407.771 { 83}	334.904 {101}	190.856 {477}	292.402 {115}	360.073 { 94}2	371.030 { 91}	206.200 {163}
IS Ref	(In2306)	(Y_3774)	(Y_3600)	(In2306)	(Y_3600)	(none)	(none)	(Y_3600)
Units	ppm	ppm	ppm	ppm	ppm	Cts/S	Cts/S	ppm
Avg	**.00022**	**.89816**	**.00072**	**-.00002**	**.00044**	*****	*****	**.00127**
Stddev	.00041	.00209	.00032	.00070	.00034	-----	-----	.00001
%RSD	180.78	.23269	43.975	3446.7	78.960	-----	-----	.73634
#1	.00051	.89669	.00049	-.00051	.00068	7237.	21310.	.00127
#2	-.00006	.89964	.00094	.00047	.00019	7240.	21320.	.00128
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	None	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	**4504.5**	**7789.8**	**46264.**	**13722.**
Stddev	8.0	3.3	149.	13.
%RSD	.17703	.04270	.32282	.09234
#1	4498.9	7787.4	46370.	13713.
#2	4510.2	7792.1	46159.	13731.

Sample Name: 480-18398-C-5-A Acquired: 4/12/2012 19:49:55 Type: Unk
Method: ICAP2 2012(v35) Mode: CONC Corr. Factor: 1.000000
User: LMH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	As1937	As1972	B_2089	Ba4554-2	Be3130	Ca3179
Line	328.068 {103}	308.215 {109}	189.042 {478}	193.759 {474}	197.262 {471}	208.959 {461}	455.403 { 74}2	313.042 {108}	317.933 {106}
IS Ref	(Y_3600)	(Y_3774)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3774)	(Y_3774)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00126**	**.04639**	**.02279**	**.0218**	**.0168**	**.64898**	**.02984**	**.00008**	**32.771**
Stddev	.00046	.00751	.00137	.0014	.0004	.00079	.00001	.00009	.088
%RSD	36.295	16.184	5.9929	6.561	2.270	.12139	.02941	113.14	.26938
#1	-.00093	.05170	.02375	.0208	.0165	.64954	.02985	.00002	32.834
#2	-.00158	.04108	.02182	.0228	.0171	.64842	.02984	.00014	32.709
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Cd2288	Co2286	Cr2677	Cu3247	Fe2599	K_7664	K_7664-2	Li6707	Mg2790
Line	228.802 {447}	228.616 {447}	267.716 {126}	324.754 {104}	259.940 {130}	766.490 { 44}	766.490 { 44}2	670.784 { 50}	279.079 {121}2
IS Ref	(Y_2243)	(In2306)	(Y_3600)	(Y_3600)	(Y_3774)	(Y_3774)	(Y_3600)	(Y_3774)	(Y_3600)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00035**	**.00010**	**-.00046**	**-.00023**	**.09609**	**1.8752**	**2.1108**	**.01187**	**14.770**
Stddev	.00029	.00010	.00031	.00038	.00434	.0205	.0002	.00047	.051
%RSD	82.852	100.90	66.652	165.19	4.5217	1.0918	.00882	3.9990	.34544
#1	.00014	.00017	-.00024	.00004	.09916	1.8897	2.1106	.01221	14.806
#2	.00055	.00003	-.00068	-.00049	.09302	1.8607	2.1109	.01154	14.734
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Mn2576	Mo2020	Na8183	Ni2316	Pb2203	S_1820	Sb2068	Se1960	Si2881
Line	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}2
IS Ref	(Y_3600)	(Y_2243)	(Y_3774)	(In2306)	(In2306)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3774)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.01321**	**.03301**	**87.320**	**.00090**	**-.00011**	**29.712**	**.00051**	**.00016**	**5.9620**
Stddev	.00002	.00013	.384	.00029	.00065	.070	.00114	.00237	.0140
%RSD	.15636	.38453	.43996	32.592	592.59	.23611	221.85	1457.4	.23414
#1	.01322	.03292	87.591	.00111	-.00057	29.761	.00132	-.00151	5.9718
#2	.01319	.03310	87.048	.00070	.00035	29.662	-.00029	.00184	5.9521
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Y_3600-2	Y_3710	Zn2062
Line	189.989 {477}	407.771 { 83}	334.904 {101}	190.856 {477}	292.402 {115}	360.073 { 94}2	371.030 { 91}	206.200 {163}
IS Ref	(In2306)	(Y_3774)	(Y_3600)	(In2306)	(Y_3600)	(none)	(none)	(Y_3600)
Units	ppm	ppm	ppm	ppm	ppm	Cts/S	Cts/S	ppm
Avg	**-.00015**	**.91174**	**-.00002**	**.00015**	**.00015**	*****	*****	**.00078**
Stddev	.00014	.00409	.00058	.00076	.00035	-----	-----	.00006
%RSD	91.925	.44819	2989.6	498.29	231.06	-----	-----	7.9114
#1	-.00005	.91463	-.00043	.00069	-.00010	7198.	21110.	.00082
#2	-.00025	.90885	.00039	-.00038	.00040	7187.	21120.	.00073
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	None	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	**4494.9**	**7781.8**	**46293.**	**13545.**
Stddev	8.0	7.3	278.	58.
%RSD	.17727	.09359	.60045	.42640
#1	4489.3	7776.6	46096.	13504.
#2	4500.5	7786.9	46489.	13586.

Sample Name: 480-18398-C-6-A Acquired: 4/12/2012 19:51:56 Type: Unk
Method: ICAP2 2012(v35) Mode: CONC Corr. Factor: 1.000000
User: LMH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	As1937	As1972	B_2089	Ba4554-2	Be3130	Ca3179
Line	328.068 {103}	308.215 {109}	189.042 {478}	193.759 {474}	197.262 {471}	208.959 {461}	455.403 { 74}2	313.042 {108}	317.933 {106}
IS Ref	(Y_3600)	(Y_3774)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3774)	(Y_3774)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00107**	**.05279**	**.00773**	**.0071**	**.0022**	**.60897**	**.07117**	**.00004**	**38.332**
Stddev	.00031	.02879	.00093	.0010	.0007	.00025	.00008	.00002	.244
%RSD	28.665	54.538	12.035	13.91	34.19	.04173	.11937	57.730	.63697
#1	-.00085	.07315	.00839	.0077	.0027	.60879	.07111	.00002	38.159
#2	-.00129	.03243	.00707	.0064	.0016	.60915	.07123	.00006	38.504
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Cd2288	Co2286	Cr2677	Cu3247	Fe2599	K_7664	K_7664-2	Li6707	Mg2790
Line	228.802 {447}	228.616 {447}	267.716 {126}	324.754 {104}	259.940 {130}	766.490 { 44}	766.490 { 44}2	670.784 { 50}	279.079 {121}2
IS Ref	(Y_2243)	(In2306)	(Y_3600)	(Y_3600)	(Y_3774)	(Y_3774)	(Y_3600)	(Y_3774)	(Y_3600)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00017**	**.00018**	**-.00055**	**.00015**	**.26343**	**3.4550**	**4.0943**	**.02813**	**15.195**
Stddev	.00002	.00007	.00026	.00035	.00078	.0382	.0138	.00210	.007
%RSD	13.989	42.360	47.438	231.99	.29695	1.1050	.33830	7.4643	.04508
#1	.00015	.00023	-.00074	.00040	.26398	3.4280	4.1041	.02962	15.190
#2	.00019	.00012	-.00037	-.00010	.26287	3.4820	4.0845	.02665	15.200
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Mn2576	Mo2020	Na8183	Ni2316	Pb2203	S_1820	Sb2068	Se1960	Si2881
Line	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}2
IS Ref	(Y_3600)	(Y_2243)	(Y_3774)	(In2306)	(In2306)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3774)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.01028**	**.00920**	**119.76**	**.00060**	**.00003**	**11.019**	**.00023**	**-.00086**	**6.4847**
Stddev	.00017	.00000	.95	.00034	.00066	.034	.00167	.00015	.0457
%RSD	1.6068	.00407	.79042	57.245	2393.2	.30589	718.63	17.266	.70502
#1	.01040	.00920	119.09	.00036	.00049	11.043	.00141	-.00096	6.4523
#2	.01016	.00920	120.43	.00084	-.00044	10.996	-.00095	-.00075	6.5170
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Y_3600-2	Y_3710	Zn2062
Line	189.989 {477}	407.771 { 83}	334.904 {101}	190.856 {477}	292.402 {115}	360.073 { 94}2	371.030 { 91}	206.200 {163}
IS Ref	(In2306)	(Y_3774)	(Y_3600)	(In2306)	(Y_3600)	(none)	(none)	(Y_3600)
Units	ppm	ppm	ppm	ppm	ppm	Cts/S	Cts/S	ppm
Avg	**.00015**	**1.5471**	**-.00005**	**-.00044**	**.00017**	*****	*****	**.00156**
Stddev	.00009	.0142	.00079	.00037	.00046	-----	-----	.00027
%RSD	58.701	.91842	1619.3	82.737	273.66	-----	-----	17.457
#1	.00021	1.5371	.00051	-.00018	-.00016	7156.	21000.	.00175
#2	.00009	1.5572	-.00061	-.00070	.00049	7176.	21040.	.00137
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	None	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	**4454.7**	**7754.4**	**45932.**	**13388.**
Stddev	8.8	3.0	28.	18.
%RSD	.19654	.03823	.06155	.13796
#1	4460.8	7752.3	45912.	13401.
#2	4448.5	7756.5	45952.	13375.

Sample Name: CCV Acquired: 4/12/2012 19:54:01 Type: QC
Method: ICAP2 2012(v35) Mode: CONC Corr. Factor: 1.000000
User: LMH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	As1937	As1972	B_2089	Ba4554-2	Be3130	Ca3179	Cd2288	Co2286	Cr2677	Cu3247
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.50016**	**24.314**	**.49941**	**.4993**	**.4937**	**.49532**	**.51400**	**.48155**	**24.525**	**.49735**	**.48838**	**.51179**	**.49600**
Stddev	.00361	.013	.00074	.0006	.0006	.00111	.00026	.00111	.030	.00083	.00064	.00000	.00179
%RSD	.72236	.05494	.14894	.1184	.1307	.22417	.05046	.23150	.12361	.16750	.13051	.00042	.36118
#1	.50272	24.324	.49889	.4997	.4932	.49453	.51418	.48234	24.546	.49676	.48793	.51179	.49473
#2	.49761	24.305	.49994	.4989	.4941	.49610	.51381	.48076	24.503	.49794	.48883	.51179	.49726
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	Fe2599	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	ppm
Avg	**23.988**	**25.918**	**25.465**	**.51588**	**25.357**	**.51872**	**.51763**	**25.760**	**.49758**	**.49552**	**24.777**	**.50817**	**.50564**
Stddev	.025	.027	.136	.00168	.034	.00028	.00065	.056	.00050	.00002	.043	.00016	.00122
%RSD	.10466	.10361	.53376	.32587	.13481	.05325	.12522	.21656	.10081	.00327	.17429	.03190	.24204
#1	24.005	25.937	25.369	.51707	25.333	.51891	.51717	25.800	.49723	.49553	24.747	.50805	.50478
#2	23.970	25.899	25.561	.51469	25.381	.51852	.51809	25.721	.49794	.49551	24.808	.50828	.50651
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	Si2881	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Y_3600-2	Y_3710	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm	Cts/S	Cts/S	ppm
Avg	**23.715**	**.53083**	**.49524**	**.50871**	**.50951**	**.50261**	z *****	z *****	**.53263**
Stddev	.030	.00110	.00047	.00057	.00065	.00044	-----	-----	.00012
%RSD	.12822	.20693	.09503	.11229	.12803	.08788	-----	-----	.02185
#1	23.694	.53006	.49557	.50831	.50997	.50292	z 7223.	z 21280.	.53255
#2	23.737	.53161	.49491	.50911	.50905	.50230	z 7242.	z 21370.	.53271
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	None	Chk Pass
Value									
Range									

Int. Std.	In2306	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**4488.4**	**7844.8**	**46690.**	**13723.**
Stddev	6.4	16.2	94.	83.
%RSD	.14265	.20642	.20149	.60751
#1	4492.9	7856.3	46756.	13664.
#2	4483.8	7833.4	46623.	13782.

Sample Name: CCB Acquired: 4/12/2012 19:56:00 Type: QC
Method: ICAP2 2012(v35) Mode: CONC Corr. Factor: 1.000000
User: LMH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	As1937	As1972	B_2089	Ba4554-2	Be3130	Ca3179	Cd2288	Co2286	Cr2677	Cu3247
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00178**	**.02868**	**.00098**	**-.0003**	**-.0013**	**.00252**	**.00015**	**.00036**	**.02498**	**.00017**	**.00025**	**-.00042**	**-.00050**
Stddev	.00069	.00170	.00085	.0002	.0009	.00068	.00001	.00001	.00371	.00000	.00016	.00008	.00041
%RSD	38.594	5.9155	86.633	69.76	69.03	26.927	5.3469	2.1019	14.840	.97757	61.720	19.855	80.804
#1	-.00226	.02988	.00158	-.0004	-.0007	.00300	.00015	.00035	.02761	.00017	.00014	-.00036	-.00022
#2	-.00129	.02748	.00038	-.0001	-.0019	.00204	.00014	.00036	.02236	.00017	.00036	-.00048	-.00079
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	Fe2599	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	ppm
Avg	**.01498**	**.06106**	**.00515**	**.00186**	**.00672**	**.00001**	**.00007**	**.05611**	**.00015**	**-.00040**	**.00163**	**.00240**	**-.00173**
Stddev	.00173	.00303	.00144	.00030	.00095	.00002	.00002	.00386	.00068	.00069	.00110	.00231	.00018
%RSD	11.535	4.9600	27.943	16.201	14.112	232.58	23.136	6.8723	450.61	172.90	67.378	96.068	10.329
#1	.01621	.05892	.00617	.00164	.00605	.00000	.00006	.05884	-.00033	-.00089	.00241	.00077	-.00160
#2	.01376	.06321	.00414	.00207	.00739	.00002	.00008	.05338	.00064	.00009	.00085	.00404	-.00186
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	Si2881	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Y_3600-2	Y_3710	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm	Cts/S	Cts/S	ppm
Avg	**.01849**	**.00047**	**.00056**	**.00021**	**.00057**	**.00051**	z *****	z *****	**.00054**
Stddev	.00359	.00004	.00010	.00042	.00101	.00070	-----	-----	.00005
%RSD	19.439	7.8141	18.555	199.23	178.48	138.60	-----	-----	10.107
#1	.02103	.00044	.00063	.00050	.00128	.00100	z 7268.	z 21490.	.00058
#2	.01595	.00049	.00048	-.00009	-.00015	.00001	z 7241.	z 21320.	.00050
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	None	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	**4691.9**	**7993.6**	**48735.**	**13840.**
Stddev	13.2	16.7	198.	48.
%RSD	.28143	.20922	.40608	.35010
#1	4682.6	7981.7	48875.	13874.
#2	4701.3	8005.4	48595.	13806.

Sample Name: 480-18398-C-7-A Acquired: 4/12/2012 19:58:11 Type: Unk
Method: ICAP2 2012(v35) Mode: CONC Corr. Factor: 1.000000
User: LMH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	As1937	As1972	B_2089	Ba4554-2	Be3130	Ca3179
Line	328.068 {103}	308.215 {109}	189.042 {478}	193.759 {474}	197.262 {471}	208.959 {461}	455.403 { 74}2	313.042 {108}	317.933 {106}
IS Ref	(Y_3600)	(Y_3774)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3774)	(Y_3774)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00129**	**.04237**	**-.00025**	**.0019**	**-.0042**	**.56614**	**.07248**	**.00002**	**42.600**
Stddev	.00077	.00204	.00069	.0001	.0030	.00085	.00000	.00004	.008
%RSD	59.198	4.8058	274.77	6.640	71.51	.15099	.00062	283.58	.01975
#1	-.00075	.04381	-.00074	.0020	-.0063	.56553	.07248	.00005	42.606
#2	-.00184	.04093	.00024	.0018	-.0021	.56674	.07248	-.00002	42.594
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Cd2288	Co2286	Cr2677	Cu3247	Fe2599	K_7664	K_7664-2	Li6707	Mg2790
Line	228.802 {447}	228.616 {447}	267.716 {126}	324.754 {104}	259.940 {130}	766.490 { 44}	766.490 { 44}2	670.784 { 50}	279.079 {121}2
IS Ref	(Y_2243)	(In2306)	(Y_3600)	(Y_3600)	(Y_3774)	(Y_3774)	(Y_3600)	(Y_3774)	(Y_3600)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00002**	**.00021**	**-.00077**	**.00023**	**.02049**	**3.2373**	**3.8438**	**.02736**	**16.109**
Stddev	.00024	.00021	.00006	.00030	.00384	.0090	.0026	.00178	.029
%RSD	1184.8	98.731	7.8434	131.56	18.729	.27851	.06662	6.4910	.17959
#1	-.00015	.00006	-.00072	.00002	.01777	3.2309	3.8420	.02861	16.130
#2	.00019	.00036	-.00081	.00045	.02320	3.2437	3.8457	.02610	16.089
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Mn2576	Mo2020	Na8183	Ni2316	Pb2203	S_1820	Sb2068	Se1960	Si2881
Line	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}2
IS Ref	(Y_3600)	(Y_2243)	(Y_3774)	(In2306)	(In2306)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3774)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00179**	**.00956**	**105.02**	**.00027**	**-.00025**	**9.7555**	**.00112**	**-.00045**	**6.5618**
Stddev	.00017	.00010	.13	.00038	.00112	.0030	.00133	.00037	.0149
%RSD	9.5114	1.0352	.12210	141.71	450.26	.03118	119.52	82.630	.22678
#1	.00167	.00963	105.11	.00000	-.00104	9.7577	.00206	-.00019	6.5513
#2	.00191	.00949	104.92	.00054	.00054	9.7534	.00017	-.00071	6.5723
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Y_3600-2	Y_3710	Zn2062
Line	189.989 {477}	407.771 { 83}	334.904 {101}	190.856 {477}	292.402 {115}	360.073 { 94}2	371.030 { 91}	206.200 {163}
IS Ref	(In2306)	(Y_3774)	(Y_3600)	(In2306)	(Y_3600)	(none)	(none)	(Y_3600)
Units	ppm	ppm	ppm	ppm	ppm	Cts/S	Cts/S	ppm
Avg	**-.00019**	**1.6884**	**.00073**	**.00042**	**.00010**	*****	*****	**.00155**
Stddev	.00007	.0016	.00063	.00132	.00013	-----	-----	.00001
%RSD	37.615	.09348	86.415	316.33	137.64	-----	-----	.51547
#1	-.00024	1.6896	.00117	-.00052	.00000	7178.	21180.	.00154
#2	-.00014	1.6873	.00028	.00135	.00019	7232.	21280.	.00155
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	None	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	**4457.2**	**7740.1**	**45862.**	**13717.**
Stddev	14.1	20.1	9.	48.
%RSD	.31693	.25949	.02030	.34750
#1	4467.2	7754.3	45869.	13684.
#2	4447.2	7725.9	45856.	13751.

Sample Name: 480-18398-C-8-A Acquired: 4/12/2012 20:00:17 Type: Unk
Method: ICAP2 2012(v35) Mode: CONC Corr. Factor: 1.000000
User: LMH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	As1937	As1972	B_2089	Ba4554-2	Be3130	Ca3179
Line	328.068 {103}	308.215 {109}	189.042 {478}	193.759 {474}	197.262 {471}	208.959 {461}	455.403 { 74}2	313.042 {108}	317.933 {106}
IS Ref	(Y_3600)	(Y_3774)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3774)	(Y_3774)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00097**	**.04425**	**.01748**	**.0144**	**.0168**	**.55811**	**.06754**	**.00001**	**31.171**
Stddev	.00045	.02921	.00134	.0002	.0027	.00085	.00013	.00012	.016
%RSD	46.917	66.014	7.6364	1.422	16.15	.15253	.19792	1950.7	.05180
#1	-.00065	.02359	.01654	.0143	.0149	.55751	.06745	.00009	31.160
#2	-.00129	.06491	.01843	.0146	.0187	.55872	.06764	-.00008	31.183
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Cd2288	Co2286	Cr2677	Cu3247	Fe2599	K_7664	K_7664-2	Li6707	Mg2790
Line	228.802 {447}	228.616 {447}	267.716 {126}	324.754 {104}	259.940 {130}	766.490 { 44}	766.490 { 44}2	670.784 { 50}	279.079 {121}2
IS Ref	(Y_2243)	(In2306)	(Y_3600)	(Y_3600)	(Y_3774)	(Y_3774)	(Y_3600)	(Y_3774)	(Y_3600)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00019**	**.00087**	**-.00069**	**.00037**	**.15038**	**1.4010**	**1.6326**	**.01031**	**11.015**
Stddev	.00011	.00017	.00027	.00003	.00205	.0509	.0025	.00091	.005
%RSD	59.639	19.610	39.416	9.2315	1.3655	3.6327	.15086	8.7904	.04378
#1	.00011	.00075	-.00089	.00035	.15184	1.3650	1.6344	.01095	11.012
#2	.00027	.00099	-.00050	.00039	.14893	1.4370	1.6309	.00967	11.019
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Mn2576	Mo2020	Na8183	Ni2316	Pb2203	S_1820	Sb2068	Se1960	Si2881
Line	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}2
IS Ref	(Y_3600)	(Y_2243)	(Y_3774)	(In2306)	(In2306)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3774)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.23499**	**.04753**	**104.97**	**.00085**	**.00055**	**38.667**	**.00063**	**-.00062**	**5.4692**
Stddev	.00061	.00013	.07	.00004	.00125	.033	.00095	.00045	.0198
%RSD	.25990	.27765	.06931	4.7216	225.54	.08614	150.34	72.925	.36134
#1	.23456	.04744	105.03	.00082	-.00033	38.644	.00130	-.00095	5.4832
#2	.23542	.04763	104.92	.00088	.00143	38.691	-.00004	-.00030	5.4552
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Y_3600-2	Y_3710	Zn2062
Line	189.989 {477}	407.771 { 83}	334.904 {101}	190.856 {477}	292.402 {115}	360.073 { 94}2	371.030 { 91}	206.200 {163}
IS Ref	(In2306)	(Y_3774)	(Y_3600)	(In2306)	(Y_3600)	(none)	(none)	(Y_3600)
Units	ppm	ppm	ppm	ppm	ppm	Cts/S	Cts/S	ppm
Avg	**-.00045**	**.69153**	**.00060**	**.00051**	**.00033**	*****	*****	**.00166**
Stddev	.00029	.00035	.00024	.00068	.00077	-----	-----	.00034
%RSD	65.485	.05007	40.664	134.01	235.56	-----	-----	20.394
#1	-.00024	.69129	.00043	.00003	-.00022	7196.	21220.	.00190
#2	-.00066	.69177	.00077	.00099	.00087	7246.	21280.	.00142
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	None	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	**4489.0**	**7759.6**	**46035.**	**13640.**
Stddev	6.3	14.8	150.	71.
%RSD	.13945	.19035	.32586	.52178
#1	4493.5	7770.1	46141.	13590.
#2	4484.6	7749.2	45929.	13690.

Sample Name: 480-18398-C-9-A Acquired: 4/12/2012 20:02:26 Type: Unk
Method: ICAP2 2012(v35) Mode: CONC Corr. Factor: 1.000000
User: LMH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	As1937	As1972	B_2089	Ba4554-2	Be3130	Ca3179
Line	328.068 {103}	308.215 {109}	189.042 {478}	193.759 {474}	197.262 {471}	208.959 {461}	455.403 { 74}2	313.042 {108}	317.933 {106}
IS Ref	(Y_3600)	(Y_3774)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3774)	(Y_3774)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00144**	**.04790**	**-.00112**	**.0009**	**-.0039**	**.56343**	**.07528**	**.00003**	**34.655**
Stddev	.00085	.01862	.00354	.0001	.0030	.00079	.00032	.00004	.098
%RSD	59.327	38.869	315.44	12.83	78.96	.14061	.42078	154.87	.28318
#1	-.00083	.03473	-.00362	.0009	-.0017	.56287	.07505	.00006	34.585
#2	-.00204	.06106	.00138	.0008	-.0060	.56399	.07550	.00000	34.724
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Cd2288	Co2286	Cr2677	Cu3247	Fe2599	K_7664	K_7664-2	Li6707	Mg2790
Line	228.802 {447}	228.616 {447}	267.716 {126}	324.754 {104}	259.940 {130}	766.490 { 44}	766.490 { 44}2	670.784 { 50}	279.079 {121}2
IS Ref	(Y_2243)	(In2306)	(Y_3600)	(Y_3600)	(Y_3774)	(Y_3774)	(Y_3600)	(Y_3774)	(Y_3600)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00015**	**.00016**	**-.00059**	**.00025**	**.31841**	**2.5966**	**2.8614**	**.02188**	**13.287**
Stddev	.00009	.00020	.00009	.00024	.00371	.0036	.0134	.00219	.016
%RSD	59.612	125.68	15.243	98.894	1.1646	.13864	.46798	10.003	.11687
#1	.00009	.00030	-.00065	.00042	.31578	2.5940	2.8519	.02343	13.276
#2	.00021	.00002	-.00053	.00007	.32103	2.5991	2.8708	.02034	13.298
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Mn2576	Mo2020	Na8183	Ni2316	Pb2203	S_1820	Sb2068	Se1960	Si2881
Line	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}2
IS Ref	(Y_3600)	(Y_2243)	(Y_3774)	(In2306)	(In2306)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3774)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.03559**	**.01233**	**72.443**	**.00072**	**.00073**	**10.372**	**.00058**	**-.00224**	**6.3797**
Stddev	.00000	.00009	.469	.00012	.00034	.005	.00031	.00126	.0208
%RSD	.00458	.70412	.64729	16.599	47.005	.05054	53.223	56.306	.32606
#1	.03559	.01227	72.112	.00064	.00049	10.375	.00080	-.00314	6.3944
#2	.03559	.01239	72.775	.00081	.00098	10.368	.00036	-.00135	6.3650
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Y_3600-2	Y_3710	Zn2062
Line	189.989 {477}	407.771 { 83}	334.904 {101}	190.856 {477}	292.402 {115}	360.073 { 94}2	371.030 { 91}	206.200 {163}
IS Ref	(In2306)	(Y_3774)	(Y_3600)	(In2306)	(Y_3600)	(none)	(none)	(Y_3600)
Units	ppm	ppm	ppm	ppm	ppm	Cts/S	Cts/S	ppm
Avg	**-.00025**	**1.1886**	**.00004**	**.00048**	**.00038**	*****	*****	**.00036**
Stddev	.00019	.0052	.00003	.00146	.00005	-----	-----	.00043
%RSD	77.310	.43569	78.341	306.05	13.378	-----	-----	120.24
#1	-.00038	1.1849	.00002	-.00056	.00035	7211.	21230.	.00067
#2	-.00011	1.1922	.00006	.00151	.00042	7147.	21100.	.00005
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	None	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	**4504.2**	**7779.4**	**46639.**	**13629.**
Stddev	.4	3.5	7.	47.
%RSD	.00913	.04447	.01442	.34274
#1	4504.5	7781.9	46644.	13662.
#2	4503.9	7777.0	46634.	13596.

Sample Name: 480-18398-C-10-A Acquired: 4/12/2012 20:04:34 Type: Unk
Method: ICAP2 2012(v35) Mode: CONC Corr. Factor: 1.000000
User: LMH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	As1937	As1972	B_2089	Ba4554-2	Be3130	Ca3179
Line	328.068 {103}	308.215 {109}	189.042 {478}	193.759 {474}	197.262 {471}	208.959 {461}	455.403 { 74}2	313.042 {108}	317.933 {106}
IS Ref	(Y_3600)	(Y_3774)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3774)	(Y_3774)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00042**	**.05947**	**.01900**	**.0174**	**.0151**	**.52835**	**.04769**	**.00009**	**77.696**
Stddev	.00064	.00966	.00087	.0004	.0009	.00140	.00003	.00003	.288
%RSD	152.41	16.241	4.5532	2.239	5.777	.26556	.05764	34.674	.37060
#1	.00003	.06629	.01962	.0171	.0145	.52934	.04767	.00007	77.493
#2	-.00087	.05264	.01839	.0177	.0158	.52736	.04771	.00011	77.900
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Cd2288	Co2286	Cr2677	Cu3247	Fe2599	K_7664	K_7664-2	Li6707	Mg2790
Line	228.802 {447}	228.616 {447}	267.716 {126}	324.754 {104}	259.940 {130}	766.490 { 44}	766.490 { 44}2	670.784 { 50}	279.079 {121}2
IS Ref	(Y_2243)	(In2306)	(Y_3600)	(Y_3600)	(Y_3774)	(Y_3774)	(Y_3600)	(Y_3774)	(Y_3600)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00027**	**.00131**	**-.00046**	**.00022**	**.41000**	**2.2679**	**2.7275**	**.02171**	**40.401**
Stddev	.00006	.00000	.00013	.00042	.00547	.0511	.0050	.00226	.030
%RSD	23.647	.06200	28.594	190.85	1.3345	2.2533	.18415	10.420	.07331
#1	.00023	.00131	-.00056	-.00008	.40613	2.2317	2.7311	.02331	40.422
#2	.00032	.00131	-.00037	.00052	.41387	2.3040	2.7240	.02011	40.380
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Mn2576	Mo2020	Na8183	Ni2316	Pb2203	S_1820	Sb2068	Se1960	Si2881
Line	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}2
IS Ref	(Y_3600)	(Y_2243)	(Y_3774)	(In2306)	(In2306)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3774)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.18119**	**.01418**	**86.238**	**.00116**	**-.00014**	**53.883**	**.00155**	**-.00053**	**7.1273**
Stddev	.00030	.00019	.412	.00018	.00047	.014	.00044	.00104	.0599
%RSD	.16416	1.3078	.47829	15.295	341.53	.02663	28.329	197.17	.84020
#1	.18140	.01405	85.946	.00104	.00020	53.873	.00124	.00021	7.0850
#2	.18098	.01431	86.529	.00129	-.00047	53.893	.00186	-.00126	7.1697
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Y_3600-2	Y_3710	Zn2062
Line	189.989 {477}	407.771 { 83}	334.904 {101}	190.856 {477}	292.402 {115}	360.073 { 94}2	371.030 { 91}	206.200 {163}
IS Ref	(In2306)	(Y_3774)	(Y_3600)	(In2306)	(Y_3600)	(none)	(none)	(Y_3600)
Units	ppm	ppm	ppm	ppm	ppm	Cts/S	Cts/S	ppm
Avg	**-.00034**	**1.7615**	**.00144**	**.00023**	**.00041**	*****	*****	**.01043**
Stddev	.00056	.0069	.00038	.00127	.00057	-----	-----	.00026
%RSD	166.46	.39091	26.376	563.24	137.60	-----	-----	2.5333
#1	.00006	1.7566	.00117	.00113	.00001	7223.	21440.	.01061
#2	-.00073	1.7664	.00171	-.00067	.00081	7179.	21260.	.01024
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	None	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	**4436.3**	**7724.7**	**45814.**	**13802.**
Stddev	3.9	3.5	66.	83.
%RSD	.08749	.04538	.14419	.60201
#1	4433.6	7722.2	45768.	13860.
#2	4439.1	7727.1	45861.	13743.

Sample Name: 480-18398-C-11-A Acquired: 4/12/2012 20:06:38 Type: Unk
Method: ICAP2 2012(v35) Mode: CONC Corr. Factor: 1.000000
User: LMH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	As1937	As1972	B_2089	Ba4554-2	Be3130	Ca3179
Line	328.068 {103}	308.215 {109}	189.042 {478}	193.759 {474}	197.262 {471}	208.959 {461}	455.403 { 74}2	313.042 {108}	317.933 {106}
IS Ref	(Y_3600)	(Y_3774)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3774)	(Y_3774)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00136**	**1.0232**	**.01385**	**.0125**	**.0076**	**.61304**	**.06588**	**.00000**	**33.112**
Stddev	.00066	.0041	.00106	.0007	.0041	.00083	.00003	.0001	.047
%RSD	48.744	.40007	7.6763	5.892	53.88	.13493	.04510	3549.3	.14238
#1	-.00089	1.0261	.01310	.0131	.0105	.61363	.06590	.00004	33.079
#2	-.00183	1.0203	.01460	.0120	.0047	.61246	.06586	-.00005	33.145
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Cd2288	Co2286	Cr2677	Cu3247	Fe2599	K_7664	K_7664-2	Li6707	Mg2790
Line	228.802 {447}	228.616 {447}	267.716 {126}	324.754 {104}	259.940 {130}	766.490 { 44}	766.490 { 44}2	670.784 { 50}	279.079 {121}2
IS Ref	(Y_2243)	(In2306)	(Y_3600)	(Y_3600)	(Y_3774)	(Y_3774)	(Y_3600)	(Y_3774)	(Y_3600)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00014**	**.00055**	**.00077**	**.00104**	**1.1504**	**2.9606**	**3.2641**	**.02633**	**14.873**
Stddev	.00003	.00003	.00025	.00007	.0012	.0176	.0215	.00026	.005
%RSD	24.291	6.2811	32.624	6.6147	.10344	.59615	.65856	.98165	.03332
#1	.00016	.00052	.00095	.00099	1.1495	2.9731	3.2793	.02651	14.876
#2	.00011	.00057	.00059	.00109	1.1512	2.9482	3.2489	.02614	14.869
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Mn2576	Mo2020	Na8183	Ni2316	Pb2203	S_1820	Sb2068	Se1960	Si2881
Line	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}2
IS Ref	(Y_3600)	(Y_2243)	(Y_3774)	(In2306)	(In2306)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3774)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.05498**	**.01573**	**72.669**	**.00233**	**.00120**	**14.282**	**.00136**	**.00004**	**8.0242**
Stddev	.00021	.00002	.039	.00004	.00124	.028	.00110	.00004	.1678
%RSD	.38199	.13341	.05389	1.5733	102.84	.19363	80.903	81.858	2.0914
#1	.05513	.01575	72.641	.00236	.00033	14.302	.00058	.00002	7.9056
#2	.05483	.01572	72.697	.00230	.00208	14.263	.00213	.00007	8.1429
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Y_3600-2	Y_3710	Zn2062
Line	189.989 {477}	407.771 { 83}	334.904 {101}	190.856 {477}	292.402 {115}	360.073 { 94}2	371.030 { 91}	206.200 {163}
IS Ref	(In2306)	(Y_3774)	(Y_3600)	(In2306)	(Y_3600)	(none)	(none)	(Y_3600)
Units	ppm	ppm	ppm	ppm	ppm	Cts/S	Cts/S	ppm
Avg	**.00014**	**1.3551**	**.03244**	**.00046**	**.00139**	*****	*****	**.00323**
Stddev	.00018	.0015	.00189	.00059	.00028	-----	-----	.00002
%RSD	127.39	.10943	5.8357	129.23	20.468	-----	-----	.46604
#1	.00001	1.3541	.03378	.00004	.00159	7203.	21210.	.00324
#2	.00026	1.3562	.03110	.00088	.00119	7202.	21160.	.00322
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	None	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	**4514.8**	**7812.5**	**46587.**	**13633.**
Stddev	2.6	3.0	97.	21.
%RSD	.05815	.03899	.20744	.15580
#1	4513.0	7810.4	46655.	13618.
#2	4516.7	7814.7	46519.	13648.

Sample Name: 480-18407-J-1-A Acquired: 4/12/2012 20:08:39 Type: Unk
Method: ICAP2 2012(v35) Mode: CONC Corr. Factor: 1.000000
User: LMH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	As1937	As1972	B_2089	Ba4554-2	Be3130	Ca3179
Line	328.068 {103}	308.215 {109}	189.042 {478}	193.759 {474}	197.262 {471}	208.959 {461}	455.403 { 74}2	313.042 {108}	317.933 {106}
IS Ref	(Y_3600)	(Y_3774)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3774)	(Y_3774)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00088**	**.06216**	**.01978**	**.0176**	**.0121**	**.12016**	**.01781**	**-.00007**	**174.44**
Stddev	.00115	.00543	.00227	.0005	.0014	.00079	.00002	.00009	.92
%RSD	131.22	8.7338	11.463	2.782	11.51	.65545	.09943	119.10	.52683
#1	-.00170	.06600	.01818	.0173	.0131	.12071	.01782	-.00014	173.79
#2	-.00006	.05832	.02138	.0180	.0111	.11960	.01780	-.00001	175.09
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Cd2288	Co2286	Cr2677	Cu3247	Fe2599	K_7664	K_7664-2	Li6707	Mg2790
Line	228.802 {447}	228.616 {447}	267.716 {126}	324.754 {104}	259.940 {130}	766.490 { 44}	766.490 { 44}2	670.784 { 50}	279.079 {121}2
IS Ref	(Y_2243)	(In2306)	(Y_3600)	(Y_3600)	(Y_3774)	(Y_3774)	(Y_3600)	(Y_3774)	(Y_3600)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00047**	**.00017**	**-.00069**	**.00027**	**4.7278**	**3.0931**	**3.5035**	**.04984**	**109.03**
Stddev	.00008	.00009	.00019	.00003	.0138	.0027	.0017	.00110	.22
%RSD	17.555	53.779	27.138	12.793	.29244	.08619	.04930	2.2031	.19996
#1	.00041	.00011	-.00056	.00029	4.7180	3.0912	3.5023	.04907	108.88
#2	.00053	.00024	-.00082	.00024	4.7376	3.0950	3.5047	.05062	109.19
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Mn2576	Mo2020	Na5895	Ni2316	Pb2203	S_1820	Sb2068	Se1960	Si2881
Line	257.610 {131}	202.030 {467}	589.592 { 57}	231.604 {446}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}2
IS Ref	(Y_3600)	(Y_2243)	(Y_3774)	(In2306)	(In2306)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3774)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.04839**	**.01317**	**22.266**	**.00078**	**.00094**	**154.35**	**.00200**	**-.00444**	**9.3584**
Stddev	.00007	.00008	.102	.00039	.00041	.06	.00246	.00150	.0220
%RSD	.13538	.57992	.45934	49.708	43.486	.04145	122.68	33.766	.23505
#1	.04834	.01311	22.194	.00051	.00123	154.39	.00027	-.00550	9.3428
#2	.04844	.01322	22.339	.00106	.00065	154.30	.00374	-.00338	9.3739
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Y_3600-2	Y_3710	Zn2062
Line	189.989 {477}	407.771 { 83}	334.904 {101}	190.856 {477}	292.402 {115}	360.073 { 94}2	371.030 { 91}	206.200 {163}
IS Ref	(In2306)	(Y_3774)	(Y_3600)	(In2306)	(Y_3600)	(none)	(none)	(Y_3600)
Units	ppm	ppm	ppm	ppm	ppm	Cts/S	Cts/S	ppm
Avg	**-.00046**	**.54446**	**.00186**	**.00019**	**.00078**	*****	*****	**.00193**
Stddev	.00041	.00250	.00021	.00018	.00018	-----	-----	.00036
%RSD	88.766	.45879	11.350	94.487	22.487	-----	-----	18.616
#1	-.00017	.54270	.00201	.00006	.00066	7182.	21230.	.00167
#2	-.00075	.54623	.00171	.00031	.00090	7155.	21140.	.00218
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	None	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	**4335.1**	**7588.1**	**45379.**	**13687.**
Stddev	.2	4.3	255.	76.
%RSD	.00528	.05722	.56282	.55386
#1	4334.9	7585.1	45560.	13741.
#2	4335.2	7591.2	45198.	13633.

Sample Name: 480-18407-J-2-A Acquired: 4/12/2012 20:10:44 Type: Unk
Method: ICAP2 2012(v35) Mode: CONC Corr. Factor: 1.000000
User: LMH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	As1937	As1972	B_2089	Ba4554-2	Be3130	Ca3179
Line	328.068 {103}	308.215 {109}	189.042 {478}	193.759 {474}	197.262 {471}	208.959 {461}	455.403 { 74}2	313.042 {108}	317.933 {106}
IS Ref	(Y_3600)	(Y_3774)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3774)	(Y_3774)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00151**	**.02882**	**.01955**	**.0193**	**.0174**	**.09805**	**.01939**	**.00004**	**143.60**
Stddev	.00099	.03385	.00007	.0007	.0003	.00003	.00002	.00004	1.86
%RSD	65.572	117.44	.37698	3.555	1.845	.02955	.09186	105.30	1.2960
#1	-.00081	.00489	.01961	.0198	.0172	.09803	.01938	.00006	144.92
#2	-.00221	.05276	.01950	.0188	.0176	.09807	.01940	.00001	142.29
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Cd2288	Co2286	Cr2677	Cu3247	Fe2599	K_7664	K_7664-2	Li6707	Mg2790
Line	228.802 {447}	228.616 {447}	267.716 {126}	324.754 {104}	259.940 {130}	766.490 { 44}	766.490 { 44}2	670.784 { 50}	279.079 {121}2
IS Ref	(Y_2243)	(In2306)	(Y_3600)	(Y_3600)	(Y_3774)	(Y_3774)	(Y_3600)	(Y_3774)	(Y_3600)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00028**	**.00055**	**-.00037**	**.00012**	**5.2158**	**2.4490**	**2.6777**	**.04007**	**81.478**
Stddev	.00008	.00007	.00016	.00028	.0017	.0125	.0081	.00241	.094
%RSD	27.184	13.401	43.501	238.82	.03174	.50971	.30170	6.0051	.11578
#1	.00022	.00049	-.00048	.00032	5.2170	2.4578	2.6720	.04177	81.411
#2	.00033	.00060	-.00025	-.00008	5.2147	2.4402	2.6834	.03837	81.545
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Mn2576	Mo2020	Na5895	Ni2316	Pb2203	S_1820	Sb2068	Se1960	Si2881
Line	257.610 {131}	202.030 {467}	589.592 { 57}	231.604 {446}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}2
IS Ref	(Y_3600)	(Y_2243)	(Y_3774)	(In2306)	(In2306)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3774)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.03482**	**.01174**	**16.169**	**.00210**	**.00011**	**95.369**	**.00024**	**.00061**	**8.9522**
Stddev	.00006	.00006	.012	.00028	.00009	.101	.00151	.00150	.0311
%RSD	.16200	.53109	.07268	13.437	83.927	.10619	628.38	246.74	.34686
#1	.03478	.01179	16.178	.00230	.00004	95.441	.00131	.00167	8.9741
#2	.03486	.01170	16.161	.00190	.00017	95.298	-.00083	-.00045	8.9302
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Y_3600-2	Y_3710	Zn2062
Line	189.989 {477}	407.771 { 83}	334.904 {101}	190.856 {477}	292.402 {115}	360.073 { 94}2	371.030 { 91}	206.200 {163}
IS Ref	(In2306)	(Y_3774)	(Y_3600)	(In2306)	(Y_3600)	(none)	(none)	(Y_3600)
Units	ppm	ppm	ppm	ppm	ppm	Cts/S	Cts/S	ppm
Avg	**.00023**	**.34727**	**.00141**	**.00013**	**.00002**	*****	*****	**.00175**
Stddev	.00030	.00033	.00045	.00067	.00129	-----	-----	.00016
%RSD	130.09	.09639	32.251	526.15	7877.8	-----	-----	9.4302
#1	.00044	.34750	.00109	-.00035	-.00089	7160.	21240.	.00163
#2	.00002	.34703	.00173	.00060	.00093	7169.	21180.	.00186
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	None	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	**4395.1**	**7673.4**	**45757.**	**13713.**
Stddev	6.5	9.2	13.	19.
%RSD	.14695	.12024	.02755	.14184
#1	4390.5	7666.9	45748.	13699.
#2	4399.7	7679.9	45766.	13727.

Sample Name: 480-18407-J-3-A Acquired: 4/12/2012 20:12:48 Type: Unk
Method: ICAP2 2012(v35) Mode: CONC Corr. Factor: 1.000000
User: LMH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	As1937	As1972	B_2089	Ba4554-2	Be3130	Ca3179
Line	328.068 {103}	308.215 {109}	189.042 {478}	193.759 {474}	197.262 {471}	208.959 {461}	455.403 { 74}2	313.042 {108}	317.933 {106}
IS Ref	(Y_3600)	(Y_3774)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3774)	(Y_3774)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00092**	**.04574**	**.02050**	**.0166**	**.0119**	**.13111**	**.02723**	**.00002**	**213.03**
Stddev	.00022	.00837	.00017	.0002	.0032	.00038	.00003	.00011	3.17
%RSD	23.881	18.298	.83253	1.321	26.70	.28763	.10688	561.24	1.4904
#1	-.00077	.05166	.02038	.0165	.0142	.13084	.02721	-.00006	210.79
#2	-.00108	.03982	.02062	.0168	.0097	.13138	.02725	.00010	215.28
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Cd2288	Co2286	Cr2677	Cu3247	Fe2599	K_7664	K_7664-2	Li6707	Mg2790
Line	228.802 {447}	228.616 {447}	267.716 {126}	324.754 {104}	259.940 {130}	766.490 { 44}	766.490 { 44}2	670.784 { 50}	279.079 {121}2
IS Ref	(Y_2243)	(In2306)	(Y_3600)	(Y_3600)	(Y_3774)	(Y_3774)	(Y_3600)	(Y_3774)	(Y_3600)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00038**	**.00030**	**-.00028**	**.00008**	**4.1712**	**3.9098**	**4.7323**	**.07838**	**160.00**
Stddev	.00014	.00011	.00022	.00071	.0183	.0415	.0529	.00160	.41
%RSD	37.988	37.480	78.803	876.28	.43770	1.0623	1.1182	2.0379	.25356
#1	.00048	.00038	-.00044	-.00042	4.1583	3.8804	4.6949	.07951	159.72
#2	.00028	.00022	-.00012	.00059	4.1841	3.9392	4.7697	.07725	160.29
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Mn2576	Mo2020	Na5895	Ni2316	Pb2203	S_1820	Sb2068	Se1960	Si2881
Line	257.610 {131}	202.030 {467}	589.592 { 57}	231.604 {446}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}2
IS Ref	(Y_3600)	(Y_2243)	(Y_3774)	(In2306)	(In2306)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3774)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.09090**	**.00793**	**38.677**	**.00302**	**.00001**	**249.50**	**.00063**	**-.00273**	**9.9744**
Stddev	.00052	.00008	.166	.00034	.00104	.19	.00137	.00054	.0618
%RSD	.57548	1.0148	.42994	11.122	14106.	.07604	219.16	19.752	.61937
#1	.09053	.00787	38.559	.00326	-.00073	249.37	-.00034	-.00235	9.9308
#2	.09127	.00799	38.794	.00278	.00075	249.63	.00160	-.00311	10.018
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Y_3600-2	Y_3710	Zn2062
Line	189.989 {477}	407.771 { 83}	334.904 {101}	190.856 {477}	292.402 {115}	360.073 { 94}2	371.030 { 91}	206.200 {163}
IS Ref	(In2306)	(Y_3774)	(Y_3600)	(In2306)	(Y_3600)	(none)	(none)	(Y_3600)
Units	ppm	ppm	ppm	ppm	ppm	Cts/S	Cts/S	ppm
Avg	**-.00026**	**.64324**	**.00243**	**.00055**	**.00079**	*****	*****	**.00160**
Stddev	.00013	.00301	.00074	.00116	.00028	-----	-----	.00016
%RSD	50.203	.46824	30.414	212.79	35.650	-----	-----	10.010
#1	-.00017	.64111	.00295	-.00028	.00098	7159.	21140.	.00172
#2	-.00036	.64537	.00191	.00137	.00059	7179.	21110.	.00149
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	None	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	**4290.0**	**7536.6**	**44882.**	**13605.**
Stddev	14.3	18.7	128.	30.
%RSD	.33328	.24788	.28526	.22139
#1	4279.9	7523.4	44973.	13626.
#2	4300.1	7549.8	44792.	13583.

Sample Name: 480-18407-J-3-A SD@5 Acquired: 4/12/2012 20:15:00 Type: Unk
Method: ICAP2 2012(v35) Mode: CONC Corr. Factor: 1.000000
User: LMH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	As1937	As1972	B_2089	Ba4554-2	Be3130	Ca3179
Line	328.068 {103}	308.215 {109}	189.042 {478}	193.759 {474}	197.262 {471}	208.959 {461}	455.403 { 74}2	313.042 {108}	317.933 {106}
IS Ref	(Y_3600)	(Y_3774)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3774)	(Y_3774)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00187**	**.02855**	**.00453**	**.0044**	**-.0003**	**.02698**	**.00550**	**.00003**	**43.475**
Stddev	.00030	.00293	.00149	.0014	.0029	.00028	.00000	.00002	.118
%RSD	15.751	10.268	32.854	31.65	988.6	1.0362	.08871	57.650	.27081
#1	-.00167	.03062	.00558	.0054	.0018	.02678	.00551	.00004	43.391
#2	-.00208	.02647	.00348	.0034	-.0024	.02717	.00550	.00002	43.558
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Cd2288	Co2286	Cr2677	Cu3247	Fe2599	K_7664	K_7664-2	Li6707	Mg2790
Line	228.802 {447}	228.616 {447}	267.716 {126}	324.754 {104}	259.940 {130}	766.490 { 44}	766.490 { 44}2	670.784 { 50}	279.079 {121}2
IS Ref	(Y_2243)	(In2306)	(Y_3600)	(Y_3600)	(Y_3774)	(Y_3774)	(Y_3600)	(Y_3774)	(Y_3600)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00028**	**.00016**	**-.00065**	**.00010**	**.83177**	**.79308**	**.69847**	**.01658**	**31.402**
Stddev	.00003	.00003	.00025	.00022	.00000	.02289	.00207	.00214	.044
%RSD	10.332	19.675	38.188	224.35	.00052	2.8868	.29702	12.884	.14034
#1	.00030	.00014	-.00047	.00025	.83177	.77689	.69700	.01507	31.433
#2	.00026	.00018	-.00082	-.00006	.83178	.80927	.69994	.01809	31.371
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Mn2576	Mo2020	Na5895	Ni2316	Pb2203	S_1820	Sb2068	Se1960	Si2881
Line	257.610 {131}	202.030 {467}	589.592 { 57}	231.604 {446}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}2
IS Ref	(Y_3600)	(Y_2243)	(Y_3774)	(In2306)	(In2306)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3774)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.01827**	**.00150**	**7.6855**	**.00080**	**-.00024**	**48.392**	**.00120**	**-.00229**	**1.9679**
Stddev	.00019	.00015	.0281	.00040	.00059	.074	.00087	.00306	.0210
%RSD	1.0379	9.8714	.36514	50.176	245.85	.15292	72.828	133.23	1.0692
#1	.01841	.00160	7.6656	.00052	-.00066	48.340	.00058	-.00445	1.9530
#2	.01814	.00139	7.7053	.00108	.00018	48.444	.00181	-.00013	1.9828
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Y_3600-2	Y_3710	Zn2062
Line	189.989 {477}	407.771 { 83}	334.904 {101}	190.856 {477}	292.402 {115}	360.073 { 94}2	371.030 { 91}	206.200 {163}
IS Ref	(In2306)	(Y_3774)	(Y_3600)	(In2306)	(Y_3600)	(none)	(none)	(Y_3600)
Units	ppm	ppm	ppm	ppm	ppm	Cts/S	Cts/S	ppm
Avg	**.00044**	**.12919**	**.00087**	**-.00008**	**.00024**	*****	*****	**.00002**
Stddev	.00061	.00047	.00035	.00026	.00028	-----	-----	.00000
%RSD	138.49	.36756	40.407	332.73	116.95	-----	-----	21.296
#1	.00001	.12885	.00062	.00010	.00004	7164.	21200.	.00001
#2	.00087	.12953	.00112	-.00026	.00044	7176.	21210.	.00002
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	None	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	**4532.8**	**7799.2**	**46867.**	**13670.**
Stddev	.9	12.2	29.	36.
%RSD	.02094	.15692	.06184	.26323
#1	4533.5	7807.9	46887.	13695.
#2	4532.2	7790.6	46846.	13644.

Sample Name: 480-18407-J-3-A PDS Acquired: 4/12/2012 20:17:06 Type: Unk
Method: ICAP2 2012(v35) Mode: CONC Corr. Factor: 1.000000
User: LMH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	As1937	As1972	B_2089	Ba4554-2	Be3130	Ca3179
Line	328.068 {103}	308.215 {109}	189.042 {478}	193.759 {474}	197.262 {471}	208.959 {461}	455.403 { 74}2	313.042 {108}	317.933 {106}
IS Ref	(Y_3600)	(Y_3774)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3774)	(Y_3774)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.05116**	**9.9451**	**.22647**	**.2237**	**.2195**	**.33939**	**.23410**	**.20124**	**215.49**
Stddev	.00094	.0137	.00037	.0013	.0000	.00113	.00146	.00017	.35
%RSD	1.8308	.13775	.16120	.5719	.0069	.33369	.62256	.08214	.16158
#1	.05182	9.9354	.22621	.2228	.2195	.33859	.23513	.20112	215.73
#2	.05049	9.9548	.22672	.2246	.2194	.34019	.23307	.20136	215.24
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Cd2288	Co2286	Cr2677	Cu3247	Fe2599	K_7664	K_7664-2	Li6707	Mg2790
Line	228.802 {447}	228.616 {447}	267.716 {126}	324.754 {104}	259.940 {130}	766.490 { 44}	766.490 { 44}2	670.784 { 50}	279.079 {121}2
IS Ref	(Y_2243)	(In2306)	(Y_3600)	(Y_3600)	(Y_3774)	(Y_3774)	(Y_3600)	(Y_3774)	(Y_3600)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.20428**	**.19845**	**.20267**	**.20306**	**13.387**	**14.385**	**17.502**	**.29122**	**166.52**
Stddev	.00013	.00004	.00126	.00136	.010	.013	.151	.00010	.83
%RSD	.06293	.01952	.62413	.66963	.07129	.08937	.86431	.03516	.50090
#1	.20437	.19842	.20357	.20402	13.394	14.394	17.609	.29115	167.11
#2	.20419	.19848	.20178	.20209	13.381	14.376	17.395	.29130	165.93
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Mn2576	Mo2020	Na5895	Ni2316	Pb2203	S_1820	Sb2068	Se1960	Si2881
Line	257.610 {131}	202.030 {467}	589.592 { 57}	231.604 {446}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}2
IS Ref	(Y_3600)	(Y_2243)	(Y_3774)	(In2306)	(In2306)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3774)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.29421**	**.22170**	**48.163**	**.19888**	**.20056**	**243.05**	**.20911**	**.20092**	**19.555**
Stddev	.00177	.00013	.015	.00010	.00049	.20	.00072	.00101	.011
%RSD	.60202	.05779	.03138	.05103	.24603	.08423	.34560	.50033	.05681
#1	.29546	.22179	48.174	.19881	.20021	242.91	.20860	.20020	19.548
#2	.29296	.22161	48.153	.19895	.20091	243.19	.20962	.20163	19.563
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Y_3600-2	Y_3710	Zn2062
Line	189.989 {477}	407.771 { 83}	334.904 {101}	190.856 {477}	292.402 {115}	360.073 { 94}2	371.030 { 91}	206.200 {163}
IS Ref	(In2306)	(Y_3774)	(Y_3600)	(In2306)	(Y_3600)	(none)	(none)	(Y_3600)
Units	ppm	ppm	ppm	ppm	ppm	Cts/S	Cts/S	ppm
Avg	**.20853**	**.82705**	**.20760**	**.20333**	**.20190**	*****	*****	**.22100**
Stddev	.00148	.00112	.00259	.00155	.00153	-----	-----	.00216
%RSD	.71101	.13505	1.2474	.76121	.75627	-----	-----	.97892
#1	.20958	.82784	.20943	.20223	.20298	7073.	21020.	.22253
#2	.20749	.82626	.20577	.20442	.20082	7079.	20940.	.21947
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	None	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	**4223.4**	**7514.1**	**44604.**	**13565.**
Stddev	12.3	5.3	209.	8.
%RSD	.29186	.07000	.46903	.06244
#1	4214.7	7510.4	44456.	13571.
#2	4232.1	7517.8	44752.	13559.

Sample Name: CCV Acquired: 4/12/2012 20:19:24 Type: QC
Method: ICAP2 2012(v35) Mode: CONC Corr. Factor: 1.000000
User: LMH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	As1937	As1972	B_2089	Ba4554-2	Be3130	Ca3179	Cd2288	Co2286	Cr2677	Cu3247
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.50056	24.438	.50242	.5008	.4941	.49713	.51702	.48354	24.751	.49737	.48905	.51180	.49892
Stddev	.00261	.206	.00172	.0022	.0017	.00150	.00004	.00183	.068	.00076	.00056	.00088	.00157
%RSD	.52058	.84110	.34293	.4473	.3393	.30264	.00802	.37928	.27498	.15349	.11354	.17186	.31559
#1	.50241	24.293	.50364	.4992	.4929	.49606	.51705	.48225	24.703	.49683	.48866	.51242	.50003
#2	.49872	24.583	.50120	.5024	.4953	.49819	.51699	.48484	24.799	.49791	.48944	.51117	.49781
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	Fe2599	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	ppm
Avg	24.128	26.030	25.813	.52197	25.555	.52409	.52159	26.043	.49964	.49364	24.815	.51081	.50378
Stddev	.148	.151	.080	.00585	.027	.00085	.00077	.140	.00098	.00015	.018	.00224	.00234
%RSD	.61412	.58045	.30801	1.1210	.10423	.16154	.14769	.53844	.19672	.03116	.07252	.43876	.46389
#1	24.023	25.923	25.869	.51783	25.574	.52349	.52213	25.944	.50033	.49353	24.828	.50922	.50544
#2	24.232	26.137	25.757	.52611	25.537	.52469	.52104	26.142	.49894	.49374	24.803	.51239	.50213
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	Si2881	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Y_3600-2	Y_3710	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm	Cts/S	Cts/S	ppm
Avg	23.935	.53307	.49714	.51521	.51440	.50538	z *****	z *****	.53640
Stddev	.158	.00281	.00246	.00143	.00068	.00010	-----	-----	.00032
%RSD	.66045	.52637	.49452	.27762	.13138	.01976	-----	-----	.05913
#1	23.824	.53506	.49540	.51420	.51488	.50531	z 7164.	z 21240.	.53617
#2	24.047	.53109	.49888	.51622	.51392	.50545	z 7174.	z 21200.	.53662
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	None	Chk Pass
Value									
Range									

Int. Std.	In2306	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	4491.9	7844.0	46774.	13666.
Stddev	7.5	17.7	57.	33.
%RSD	.16610	.22512	.12212	.24466
#1	4497.2	7856.4	46733.	13689.
#2	4486.6	7831.5	46814.	13642.

Sample Name: CCB Acquired: 4/12/2012 20:21:33 Type: QC
Method: ICAP2 2012(v35) Mode: CONC Corr. Factor: 1.000000
User: LMH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	As1937	As1972	B_2089	Ba4554-2	Be3130	Ca3179	Cd2288	Co2286	Cr2677	Cu3247
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00081**	**.02562**	**-.00157**	**-.0005**	**-.0063**	**.00144**	**.00012**	**.00008**	**.02174**	**.00012**	**.00020**	**-.00080**	**-.00059**
Stddev	.00044	.01413	.00148	.0008	.0007	.00001	.00004	.00007	.00032	.00003	.00010	.00068	.00050
%RSD	53.647	55.153	94.061	174.6	11.76	.80459	30.544	81.683	1.4533	22.928	47.117	84.572	84.419
#1	-.00050	.01563	-.00053	-.0010	-.0068	.00143	.00015	.00013	.02151	.00010	.00014	-.00032	-.00024
#2	-.00112	.03561	-.00262	.0001	-.0058	.00144	.00010	.00003	.02196	.00014	.00027	-.00128	-.00095
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	Fe2599	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	ppm
Avg	**.00814**	**.05831**	**.00394**	**.00248**	**.01167**	**.00005**	**.00020**	**.05788**	**.00012**	**.00034**	**.02515**	**-.00018**	**.00299**
Stddev	.00154	.00886	.00135	.00149	.00212	.00006	.00021	.00687	.00007	.00058	.00046	.00073	.00217
%RSD	18.855	15.194	34.360	60.180	18.177	118.17	109.19	11.875	58.813	169.58	1.8232	401.67	72.458
#1	.00923	.06458	.00490	.00354	.01017	.00001	.00004	.06274	.00016	-.00007	.02483	.00033	.00146
#2	.00706	.05205	.00298	.00142	.01317	.00010	.00035	.05302	.00007	.00076	.02548	-.00070	.00453
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	Si2881	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Y_3600-2	Y_3710	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm	Cts/S	Cts/S	ppm
Avg	**.01958**	**-.00009**	**.00039**	**.00003**	**-.00052**	**-.00012**	z *****	z *****	**.00009**
Stddev	.00946	.00001	.00005	.00019	.00131	.00012	-----	-----	.00037
%RSD	48.304	7.1849	12.808	553.31	250.76	94.926	-----	-----	426.19
#1	.02627	-.00009	.00042	-.00010	-.00145	-.00020	z 7207.	z 21310.	.00035
#2	.01290	-.00008	.00035	.00017	.00040	-.00004	z 7162.	z 21110.	-.00018
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	None	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	**4698.4**	**7993.7**	**48282.**	**13634.**
Stddev	3.4	7.0	127.	85.
%RSD	.07311	.08712	.26307	.62629
#1	4695.9	7988.8	48372.	13694.
#2	4700.8	7998.6	48192.	13573.

Sample Name: 480-18407-J-3-B MS Acquired: 4/12/2012 20:23:48 Type: Unk
Method: ICAP2 2012(v35) Mode: CONC Corr. Factor: 1.000000
User: LMH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	As1937	As1972	B_2089	Ba4554-2	Be3130	Ca3179
Line	328.068 {103}	308.215 {109}	189.042 {478}	193.759 {474}	197.262 {471}	208.959 {461}	455.403 { 74}2	313.042 {108}	317.933 {106}
IS Ref	(Y_3600)	(Y_3774)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3774)	(Y_3774)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.05073**	**10.004**	**.23190**	**.2302**	**.2283**	**.34108**	**.23372**	**.20816**	**222.04**
Stddev	.00195	.018	.00165	.0028	.0009	.00020	.00035	.00085	.94
%RSD	3.8430	.17528	.71197	1.238	.4051	.05883	.14927	.40817	.42146
#1	.05211	10.017	.23073	.2281	.2277	.34123	.23397	.20756	222.71
#2	.04935	9.9919	.23307	.2322	.2290	.34094	.23347	.20876	221.38
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Cd2288	Co2286	Cr2677	Cu3247	Fe2599	K_7664	K_7664-2	Li6707	Mg2790
Line	228.802 {447}	228.616 {447}	267.716 {126}	324.754 {104}	259.940 {130}	766.490 { 44}	766.490 { 44}2	670.784 { 50}	279.079 {121}2
IS Ref	(Y_2243)	(In2306)	(Y_3600)	(Y_3600)	(Y_3774)	(Y_3774)	(Y_3600)	(Y_3774)	(Y_3600)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.21121**	**.20453**	**.20702**	**.20904**	**13.812**	**14.460**	**17.709**	**.29272**	**169.75**
Stddev	.00004	.00071	.00180	.00098	.039	.014	.107	.00057	.14
%RSD	.01984	.34674	.86934	.46909	.28342	.09460	.60538	.19377	.08136
#1	.21124	.20503	.20829	.20974	13.784	14.470	17.633	.29312	169.85
#2	.21118	.20403	.20575	.20835	13.839	14.451	17.785	.29232	169.65
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Mn2576	Mo2020	Na5895	Ni2316	Pb2203	S_1820	Sb2068	Se1960	Si2881
Line	257.610 {131}	202.030 {467}	589.592 { 57}	231.604 {446}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}2
IS Ref	(Y_3600)	(Y_2243)	(Y_3774)	(In2306)	(In2306)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3774)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.30298**	**.22859**	**49.235**	**.20518**	**.20793**	**249.21**	**.21851**	**.20786**	**19.720**
Stddev	.00114	.00022	.098	.00056	.00026	.13	.00107	.00081	.013
%RSD	.37548	.09716	.19993	.27211	.12482	.05371	.49034	.39064	.06367
#1	.30378	.22843	49.165	.20479	.20811	249.11	.21775	.20729	19.711
#2	.30217	.22875	49.304	.20558	.20775	249.30	.21926	.20844	19.729
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Y_3600-2	Y_3710	Zn2062
Line	189.989 {477}	407.771 { 83}	334.904 {101}	190.856 {477}	292.402 {115}	360.073 { 94}2	371.030 { 91}	206.200 {163}
IS Ref	(In2306)	(Y_3774)	(Y_3600)	(In2306)	(Y_3600)	(none)	(none)	(Y_3600)
Units	ppm	ppm	ppm	ppm	ppm	Cts/S	Cts/S	ppm
Avg	**.21017**	**.84334**	**.21374**	**.20943**	**.20782**	*****	*****	**.22718**
Stddev	.00125	.00311	.00227	.00132	.00170	-----	-----	.00033
%RSD	.59382	.36841	1.0633	.63065	.81691	-----	-----	.14591
#1	.20929	.84114	.21535	.20849	.20903	7059.	20860.	.22695
#2	.21105	.84553	.21214	.21036	.20662	7088.	21050.	.22741
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	None	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	**4204.7**	**7480.3**	**44608.**	**13535.**
Stddev	10.7	12.8	15.	58.
%RSD	.25455	.17171	.03386	.42828
#1	4197.2	7471.2	44597.	13494.
#2	4212.3	7489.3	44618.	13576.

Sample Name: 480-18407-J-3-C MSD Acquired: 4/12/2012 20:25:59 Type: Unk
Method: ICAP2 2012(v35) Mode: CONC Corr. Factor: 1.000000
User: LMH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	As1937	As1972	B_2089	Ba4554-2	Be3130	Ca3179
Line	328.068 {103}	308.215 {109}	189.042 {478}	193.759 {474}	197.262 {471}	208.959 {461}	455.403 { 74}2	313.042 {108}	317.933 {106}
IS Ref	(Y_3600)	(Y_3774)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3774)	(Y_3774)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.05147**	**9.9951**	**.22666**	**.2249**	**.2234**	**.34157**	**.23359**	**.20229**	**220.56**
Stddev	.00032	.0464	.00132	.0004	.0018	.00131	.00168	.00143	.71
%RSD	.61638	.46370	.58079	.1735	.7981	.38416	.71749	.70786	.32097
#1	.05124	10.028	.22573	.2247	.2222	.34064	.23240	.20330	221.06
#2	.05169	9.9623	.22759	.2252	.2247	.34250	.23477	.20128	220.06
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Cd2288	Co2286	Cr2677	Cu3247	Fe2599	K_7664	K_7664-2	Li6707	Mg2790
Line	228.802 {447}	228.616 {447}	267.716 {126}	324.754 {104}	259.940 {130}	766.490 { 44}	766.490 { 44}2	670.784 { 50}	279.079 {121}2
IS Ref	(Y_2243)	(In2306)	(Y_3600)	(Y_3600)	(Y_3774)	(Y_3774)	(Y_3600)	(Y_3774)	(Y_3600)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.20502**	**.19843**	**.20213**	**.20418**	**13.611**	**14.595**	**17.581**	**.29483**	**170.68**
Stddev	.00020	.00058	.00181	.00282	.059	.065	.053	.00325	1.15
%RSD	.09779	.29258	.89457	1.3795	.43715	.44718	.30189	1.1027	.67357
#1	.20516	.19801	.20085	.20219	13.653	14.641	17.544	.29253	169.87
#2	.20488	.19884	.20341	.20617	13.569	14.549	17.619	.29713	171.50
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Mn2576	Mo2020	Na5895	Ni2316	Pb2203	S_1820	Sb2068	Se1960	Si2881
Line	257.610 {131}	202.030 {467}	589.592 { 57}	231.604 {446}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}2
IS Ref	(Y_3600)	(Y_2243)	(Y_3774)	(In2306)	(In2306)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3774)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.29839**	**.22204**	**49.573**	**.19923**	**.20121**	**250.23**	**.21010**	**.20360**	**19.788**
Stddev	.00206	.00095	.322	.00002	.00093	.06	.00063	.00477	.134
%RSD	.69132	.42682	.64890	.00794	.46391	.02332	.29772	2.3447	.67796
#1	.29693	.22271	49.800	.19924	.20187	250.27	.21054	.20022	19.883
#2	.29985	.22137	49.345	.19922	.20055	250.19	.20965	.20697	19.693
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Y_3600-2	Y_3710	Zn2062
Line	189.989 {477}	407.771 { 83}	334.904 {101}	190.856 {477}	292.402 {115}	360.073 { 94}2	371.030 { 91}	206.200 {163}
IS Ref	(In2306)	(Y_3774)	(Y_3600)	(In2306)	(Y_3600)	(none)	(none)	(Y_3600)
Units	ppm	ppm	ppm	ppm	ppm	Cts/S	Cts/S	ppm
Avg	**.20941**	**.84899**	**.20720**	**.20427**	**.20322**	*****	*****	**.21941**
Stddev	.00025	.00427	.00141	.00036	.00352	-----	-----	.00061
%RSD	.12042	.50294	.67989	.17770	1.7329	-----	-----	.28014
#1	.20959	.85201	.20620	.20453	.20073	7038.	20800.	.21897
#2	.20923	.84597	.20820	.20401	.20571	7147.	21190.	.21984
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	None	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	**4203.3**	**7479.9**	**44598.**	**13525.**
Stddev	3.7	10.8	142.	155.
%RSD	.08843	.14384	.31915	1.1444
#1	4205.9	7472.3	44699.	13415.
#2	4200.7	7487.6	44497.	13634.

Sample Name: 480-18408-G-1-B Acquired: 4/12/2012 20:28:10 Type: Unk
Method: ICAP2 2012(v35) Mode: CONC Corr. Factor: 1.000000
User: LMH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	As1937	As1972	B_2089	Ba4554-2	Be3130	Ca3179
Line	328.068 {103}	308.215 {109}	189.042 {478}	193.759 {474}	197.262 {471}	208.959 {461}	455.403 { 74}2	313.042 {108}	317.933 {106}
IS Ref	(Y_3600)	(Y_3774)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3774)	(Y_3774)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00178**	**.07102**	**.00355**	**.0019**	**-.0050**	**.20517**	**.02226**	**.00008**	**317.37**
Stddev	.00027	.00794	.00136	.0002	.0033	.00055	.00004	.00002	2.31
%RSD	15.133	11.184	38.292	11.18	66.63	.27050	.19323	29.824	.72678
#1	-.00197	.06541	.00259	.0021	-.0027	.20478	.02229	.00009	315.74
#2	-.00159	.07664	.00451	.0018	-.0074	.20557	.02223	.00006	319.00
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Cd2288	Co2286	Cr2677	Cu3247	Fe2599	K_7664	K_7664-2	Li6707	Mg2790
Line	228.802 {447}	228.616 {447}	267.716 {126}	324.754 {104}	259.940 {130}	766.490 { 44}	766.490 { 44}2	670.784 { 50}	279.079 {121}2
IS Ref	(Y_2243)	(In2306)	(Y_3600)	(Y_3600)	(Y_3774)	(Y_3774)	(Y_3600)	(Y_3774)	(Y_3600)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00064**	**.00036**	**-.00021**	**.00161**	**.01784**	**9.0207**	**12.854**	**.19855**	**488.83**
Stddev	.00006	.00004	.00034	.00072	.00033	.0408	.073	.00100	.64
%RSD	8.7931	11.013	161.06	44.897	1.8631	.45229	.56613	.50503	.13140
#1	.00060	.00039	.00003	.00212	.01807	9.0495	12.906	.19784	488.38
#2	.00068	.00033	-.00045	.00110	.01760	8.9918	12.803	.19926	489.29
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Mn2576	Mo2020	Na8183	Ni2316	Pb2203	S_1820	Sb2068	Se1960	Si2881
Line	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}2
IS Ref	(Y_3600)	(Y_2243)	(Y_3774)	(In2306)	(In2306)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3774)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00624**	**.00897**	**106.30**	**.03924**	**-.00059**	**734.21**	**.00241**	**-.00175**	**7.2174**
Stddev	.00006	.00016	.45	.00009	.00130	.41	.00006	.00072	.0001
%RSD	.97360	1.7448	.42343	.22545	221.29	.05538	2.3840	40.873	.00117
#1	.00620	.00908	105.98	.03931	-.00151	733.93	.00237	-.00125	7.2173
#2	.00629	.00885	106.61	.03918	.00033	734.50	.00245	-.00226	7.2174
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Y_3600-2	Y_3710	Zn2062
Line	189.989 {477}	407.771 { 83}	334.904 {101}	190.856 {477}	292.402 {115}	360.073 { 94}2	371.030 { 91}	206.200 {163}
IS Ref	(In2306)	(Y_3774)	(Y_3600)	(In2306)	(Y_3600)	(none)	(none)	(Y_3600)
Units	ppm	ppm	ppm	ppm	ppm	Cts/S	Cts/S	ppm
Avg	**-.00034**	**1.1676**	**.00416**	**-.00031**	**.00039**	*****	*****	**.00454**
Stddev	.00111	.0002	.00014	.00103	.00007	-----	-----	.00051
%RSD	325.09	.01625	3.4462	329.15	18.268	-----	-----	11.294
#1	-.00113	1.1677	.00406	-.00104	.00044	6973.	20650.	.00490
#2	.00044	1.1675	.00426	.00041	.00034	6967.	20620.	.00418
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	None	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	**4060.5**	**7224.2**	**43003.**	**13287.**
Stddev	2.6	2.4	5.	8.
%RSD	.06398	.03325	.01105	.05968
#1	4058.7	7225.9	42999.	13281.
#2	4062.4	7222.5	43006.	13292.

Sample Name: 480-18408-G-2-B Acquired: 4/12/2012 20:30:29 Type: Unk
Method: ICAP2 2012(v35) Mode: CONC Corr. Factor: 1.000000
User: LMH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	As1937	As1972	B_2089	Ba4554-2	Be3130	Ca3179
Line	328.068 {103}	308.215 {109}	189.042 {478}	193.759 {474}	197.262 {471}	208.959 {461}	455.403 { 74}2	313.042 {108}	317.933 {106}
IS Ref	(Y_3600)	(Y_3774)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3774)	(Y_3774)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00114**	**.06367**	**.00600**	**.0042**	**.0003**	**.17300**	**.01305**	**-.00007**	**191.85**
Stddev	.00128	.02581	.00030	.0002	.0018	.00063	.00001	.00006	.05
%RSD	112.00	40.535	5.0378	4.556	630.7	.36150	.09255	87.220	.02791
#1	-.00204	.08192	.00621	.0044	.0016	.17255	.01304	-.00011	191.89
#2	-.00024	.04542	.00578	.0041	-.0010	.17344	.01306	-.00003	191.81
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Cd2288	Co2286	Cr2677	Cu3247	Fe2599	K_7664	K_7664-2	Li6707	Mg2790
Line	228.802 {447}	228.616 {447}	267.716 {126}	324.754 {104}	259.940 {130}	766.490 { 44}	766.490 { 44}2	670.784 { 50}	279.079 {121}2
IS Ref	(Y_2243)	(In2306)	(Y_3600)	(Y_3600)	(Y_3774)	(Y_3774)	(Y_3600)	(Y_3774)	(Y_3600)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00039**	**.00079**	**-.00062**	**.00004**	**1.1270**	**4.5288**	**5.4492**	**.08288**	**156.75**
Stddev	.00009	.00021	.00039	.00008	.0033	.0463	.0275	.00049	.53
%RSD	24.028	26.557	62.477	181.89	.29472	1.0229	.50517	.59623	.33753
#1	.00045	.00064	-.00089	.00010	1.1294	4.4961	5.4297	.08323	156.37
#2	.00032	.00093	-.00034	-.00001	1.1247	4.5616	5.4686	.08253	157.12
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Mn2576	Mo2020	Na5895	Ni2316	Pb2203	S_1820	Sb2068	Se1960	Si2881
Line	257.610 {131}	202.030 {467}	589.592 { 57}	231.604 {446}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}2
IS Ref	(Y_3600)	(Y_2243)	(Y_3774)	(In2306)	(In2306)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3774)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.06663**	**.00492**	**35.647**	**.01558**	**.00030**	**184.47**	**.00024**	**-.00134**	**9.4280**
Stddev	.00014	.00016	.003	.00011	.00122	.07	.00091	.00079	.0104
%RSD	.20427	3.2245	.00953	.70951	405.87	.03741	386.22	59.000	.11084
#1	.06653	.00481	35.644	.01550	-.00056	184.52	-.00041	-.00078	9.4354
#2	.06673	.00503	35.649	.01566	.00117	184.42	.00088	-.00191	9.4207
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Y_3600-2	Y_3710	Zn2062
Line	189.989 {477}	407.771 { 83}	334.904 {101}	190.856 {477}	292.402 {115}	360.073 { 94}2	371.030 { 91}	206.200 {163}
IS Ref	(In2306)	(Y_3774)	(Y_3600)	(In2306)	(Y_3600)	(none)	(none)	(Y_3600)
Units	ppm	ppm	ppm	ppm	ppm	Cts/S	Cts/S	ppm
Avg	**-.00020**	**.52998**	**.00287**	**-.00040**	**.00008**	*****	*****	**.00121**
Stddev	.00071	.00020	.00003	.00044	.00101	-----	-----	.00018
%RSD	353.89	.03762	.87449	110.03	1265.5	-----	-----	14.979
#1	.00030	.53012	.00289	-.00071	-.00064	7074.	20980.	.00134
#2	-.00070	.52984	.00285	-.00009	.00080	7086.	21110.	.00108
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	None	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	**4270.3**	**7512.3**	**44778.**	**13640.**
Stddev	1.6	2.2	194.	57.
%RSD	.03778	.02922	.43251	.42078
#1	4271.4	7513.8	44915.	13600.
#2	4269.2	7510.7	44641.	13681.

Sample Name: 480-18408-G-3-B Acquired: 4/12/2012 20:32:43 Type: Unk
Method: ICAP2 2012(v35) Mode: CONC Corr. Factor: 1.000000
User: LMH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	As1937	As1972	B_2089	Ba4554-2	Be3130	Ca3179
Line	328.068 {103}	308.215 {109}	189.042 {478}	193.759 {474}	197.262 {471}	208.959 {461}	455.403 { 74}2	313.042 {108}	317.933 {106}
IS Ref	(Y_3600)	(Y_3774)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3774)	(Y_3774)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00097**	**.03427**	**.00286**	**-.0011**	**-.0059**	**.05268**	**.02222**	**.00003**	**230.28**
Stddev	.00140	.03029	.00018	.0017	.0007	.00020	.00000	.00001	4.70
%RSD	144.70	88.405	6.2662	162.6	12.19	.37347	.01098	48.878	2.0399
#1	.00002	.05569	.00273	-.0023	-.0064	.05254	.02222	.00003	226.96
#2	-.00195	.01285	.00298	.0002	-.0054	.05282	.02222	.00002	233.60
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Cd2288	Co2286	Cr2677	Cu3247	Fe2599	K_7664	K_7664-2	Li6707	Mg2790
Line	228.802 {447}	228.616 {447}	267.716 {126}	324.754 {104}	259.940 {130}	766.490 { 44}	766.490 { 44}2	670.784 { 50}	279.079 {121}2
IS Ref	(Y_2243)	(In2306)	(Y_3600)	(Y_3600)	(Y_3774)	(Y_3774)	(Y_3600)	(Y_3774)	(Y_3600)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00016**	**.00018**	**.00133**	**.00087**	**.01598**	**8.0751**	**9.8351**	**.03644**	**36.714**
Stddev	.00018	.00021	.00007	.00013	.00148	.0013	.0267	.00095	.084
%RSD	110.36	121.29	5.3179	14.405	9.2891	.01573	.27129	2.6138	.22840
#1	.00029	.00003	.00128	.00096	.01703	8.0760	9.8163	.03577	36.655
#2	.00004	.00033	.00138	.00078	.01493	8.0742	9.8540	.03712	36.774
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Mn2576	Mo2020	Na8183	Ni2316	Pb2203	S_1820	Sb2068	Se1960	Si2881
Line	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}2
IS Ref	(Y_3600)	(Y_2243)	(Y_3774)	(In2306)	(In2306)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3774)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00691**	**.00749**	**65.181**	**.00294**	**.00007**	**182.22**	**.00136**	**-.00209**	**5.2804**
Stddev	.00004	.00014	.201	.00011	.00090	.49	.00010	.00150	.0442
%RSD	.59330	1.8994	.30844	3.8556	1259.1	.26675	7.1464	71.583	.83767
#1	.00688	.00739	65.323	.00286	-.00057	181.88	.00143	-.00315	5.2491
#2	.00694	.00760	65.039	.00302	.00071	182.56	.00129	-.00103	5.3117
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Y_3600-2	Y_3710	Zn2062
Line	189.989 {477}	407.771 { 83}	334.904 {101}	190.856 {477}	292.402 {115}	360.073 { 94}2	371.030 { 91}	206.200 {163}
IS Ref	(In2306)	(Y_3774)	(Y_3600)	(In2306)	(Y_3600)	(none)	(none)	(Y_3600)
Units	ppm	ppm	ppm	ppm	ppm	Cts/S	Cts/S	ppm
Avg	**-.00039**	**.47611**	**.00309**	**.00085**	**.00056**	*****	*****	**.00255**
Stddev	.00049	.00127	.00044	.00031	.00078	-----	-----	.00018
%RSD	125.98	.26638	14.231	36.193	138.18	-----	-----	7.1822
#1	-.00074	.47521	.00340	.00107	.00111	7110.	21060.	.00242
#2	-.00004	.47700	.00278	.00063	.00001	7064.	20940.	.00268
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	None	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	**4338.4**	**7572.8**	**45132.**	**13555.**
Stddev	6.0	11.9	189.	58.
%RSD	.13767	.15724	.41819	.42727
#1	4342.6	7581.2	45265.	13596.
#2	4334.2	7564.4	44999.	13514.

Sample Name: 480-18408-G-4-B Acquired: 4/12/2012 20:34:59 Type: Unk
Method: ICAP2 2012(v35) Mode: CONC Corr. Factor: 1.000000
User: LMH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	As1937	As1972	B_2089	Ba4554-2	Be3130	Ca3179
Line	328.068 {103}	308.215 {109}	189.042 {478}	193.759 {474}	197.262 {471}	208.959 {461}	455.403 { 74}2	313.042 {108}	317.933 {106}
IS Ref	(Y_3600)	(Y_3774)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3774)	(Y_3774)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00191**	**.07981**	**.00611**	**.0030**	**.0032**	**.07150**	**.03268**	**.00005**	**110.93**
Stddev	.00042	.03911	.00015	.0004	.0004	.00009	.00003	.00002	.32
%RSD	21.961	49.007	2.4646	14.47	13.22	.12301	.07672	33.374	.28832
#1	-.00221	.10747	.00600	.0033	.0029	.07156	.03270	.00004	110.70
#2	-.00161	.05215	.00621	.0027	.0035	.07143	.03266	.00006	111.15
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Cd2288	Co2286	Cr2677	Cu3247	Fe2599	K_7664	K_7664-2	Li6707	Mg2790
Line	228.802 {447}	228.616 {447}	267.716 {126}	324.754 {104}	259.940 {130}	766.490 { 44}	766.490 { 44}2	670.784 { 50}	279.079 {121}2
IS Ref	(Y_2243)	(In2306)	(Y_3600)	(Y_3600)	(Y_3774)	(Y_3774)	(Y_3600)	(Y_3774)	(Y_3600)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00041**	**.00052**	**-.00065**	**.00031**	**1.7262**	**2.3749**	**2.4996**	**.02044**	**60.147**
Stddev	.00017	.00008	.00062	.00029	.0043	.0130	.0038	.00127	.060
%RSD	41.187	15.512	94.923	93.721	.24600	.54757	.15187	6.1971	.10015
#1	.00053	.00058	-.00109	.00010	1.7232	2.3657	2.5023	.01955	60.105
#2	.00029	.00046	-.00022	.00052	1.7292	2.3841	2.4969	.02134	60.190
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Mn2576	Mo2020	Na5895	Ni2316	Pb2203	S_1820	Sb2068	Se1960	Si2881
Line	257.610 {131}	202.030 {467}	589.592 { 57}	231.604 {446}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}2
IS Ref	(Y_3600)	(Y_2243)	(Y_3774)	(In2306)	(In2306)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3774)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.05063**	**.00546**	**20.126**	**.00175**	**.00075**	**50.004**	**.00167**	**.00180**	**6.6142**
Stddev	.00007	.00007	.069	.00023	.00110	.002	.00211	.00261	.0131
%RSD	.14183	1.2073	.34219	13.100	147.13	.00475	126.56	145.32	.19859
#1	.05068	.00551	20.077	.00191	-.00003	50.006	.00316	-.00005	6.6050
#2	.05058	.00541	20.174	.00159	.00153	50.003	.00018	.00365	6.6235
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Y_3600-2	Y_3710	Zn2062
Line	189.989 {477}	407.771 { 83}	334.904 {101}	190.856 {477}	292.402 {115}	360.073 { 94}2	371.030 { 91}	206.200 {163}
IS Ref	(In2306)	(Y_3774)	(Y_3600)	(In2306)	(Y_3600)	(none)	(none)	(Y_3600)
Units	ppm	ppm	ppm	ppm	ppm	Cts/S	Cts/S	ppm
Avg	**.00043**	**.16450**	**.00120**	**.00143**	**.00020**	*****	*****	**.00520**
Stddev	.00004	.00034	.00016	.00085	.00005	-----	-----	.00016
%RSD	8.8526	.20739	13.396	59.691	22.900	-----	-----	3.0241
#1	.00040	.16474	.00109	.00204	.00017	7140.	21170.	.00531
#2	.00046	.16426	.00131	.00083	.00023	7127.	21120.	.00509
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	None	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	**4414.6**	**7687.2**	**45747.**	**13688.**
Stddev	4.5	5.8	190.	9.
%RSD	.10185	.07584	.41598	.06315
#1	4411.4	7683.1	45881.	13694.
#2	4417.8	7691.4	45612.	13682.

Sample Name: CCV Acquired: 4/12/2012 20:37:11 Type: QC
Method: ICAP2 2012(v35) Mode: CONC Corr. Factor: 1.000000
User: LMH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	As1937	As1972	B_2089	Ba4554-2	Be3130	Ca3179	Cd2288	Co2286	Cr2677	Cu3247
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.49842**	**23.754**	**.50094**	**.4969**	**.4851**	**.49575**	**.51631**	**.47823**	**24.380**	**.49619**	**.48665**	**.50874**	**.49643**
Stddev	.00039	.177	.00181	.0010	.0014	.00106	.00085	.00445	.162	.00081	.00086	.00008	.00084
%RSD	.07738	.74458	.36076	.1984	.2969	.21375	.16481	.93085	.66454	.16368	.17593	.01501	.16852
#1	.49869	23.629	.49966	.4962	.4861	.49500	.51691	.47508	24.266	.49562	.48605	.50880	.49702
#2	.49814	23.879	.50222	.4976	.4841	.49650	.51571	.48137	24.495	.49677	.48726	.50869	.49584
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	Fe2599	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	ppm
Avg	**23.638**	**25.589**	**25.445**	**.51459**	**25.226**	**.51884**	**.52096**	**25.680**	**.49580**	**.49221**	**24.689**	**.51081**	**.50764**
Stddev	.152	.178	.084	.00456	.037	.00041	.00105	.153	.00114	.00063	.046	.00172	.00258
%RSD	.64185	.69679	.32912	.88587	.14845	.07925	.20160	.59705	.22976	.12811	.18455	.33600	.50740
#1	23.531	25.463	25.504	.51137	25.253	.51914	.52022	25.572	.49661	.49266	24.657	.51202	.50947
#2	23.745	25.715	25.385	.51781	25.200	.51855	.52170	25.789	.49499	.49177	24.721	.50960	.50582
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	Si2881	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Y_3600-2	Y_3710	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm	Cts/S	Cts/S	ppm
Avg	**23.574**	**.53031**	**.48975**	**.51084**	**.51081**	**.50041**	z *****	z *****	**.52920**
Stddev	.146	.00070	.00388	.00148	.00234	.00064	-----	-----	.00184
%RSD	.62111	.13289	.79172	.28883	.45871	.12714	-----	-----	.34775
#1	23.470	.52982	.48701	.51188	.51246	.50086	z 7276.	z 21630.	.53050
#2	23.677	.53081	.49250	.50979	.50915	.49996	z 7327.	z 21820.	.52790
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	None	Chk Pass
Value									
Range									

Int. Std.	In2306	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**4541.6**	**7916.3**	**47475.**	**14089.**
Stddev	4.8	18.6	40.	90.
%RSD	.10473	.23482	.08411	.64020
#1	4545.0	7929.5	47447.	14026.
#2	4538.3	7903.2	47503.	14153.

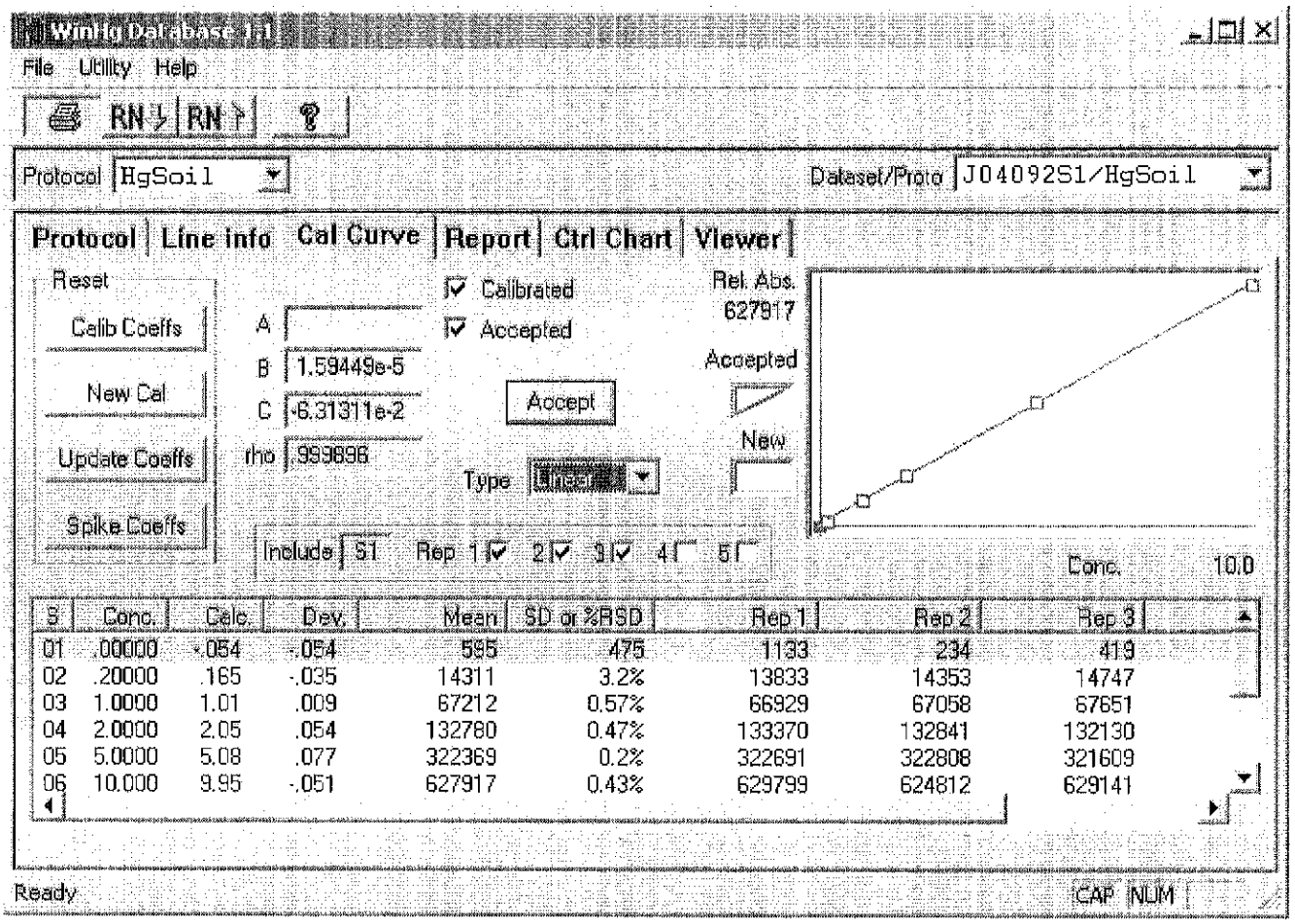
Sample Name: CCB Acquired: 4/12/2012 20:39:15 Type: QC
Method: ICAP2 2012(v35) Mode: CONC Corr. Factor: 1.000000
User: LMH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	As1937	As1972	B_2089	Ba4554-2	Be3130	Ca3179	Cd2288	Co2286	Cr2677	Cu3247
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00120**	**.02110**	**.00081**	**.0004**	**-.0021**	**.00112**	**.00008**	**.00013**	**.02980**	**.00019**	**.00014**	**-.00094**	**-.00078**
Stddev	.00093	.01823	.00044	.0013	.0011	.00033	.00001	.00002	.00329	.00009	.00009	.00004	.00021
%RSD	77.631	86.396	53.972	339.5	52.17	29.226	18.845	18.763	11.023	50.431	64.490	3.7454	26.992
#1	-.00054	.03398	.00050	.0013	-.0029	.00135	.00009	.00011	.02748	.00012	.00008	-.00092	-.00063
#2	-.00186	.00821	.00112	-.0006	-.0013	.00089	.00007	.00015	.03213	.00025	.00021	-.00097	-.00093
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	Fe2599	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	ppm
Avg	**.00340**	**.02582**	**.00388**	**.00086**	**.01398**	**.00004**	**.00017**	**.05427**	**.00041**	**.00072**	**.04503**	**.00266**	**-.00073**
Stddev	.00102	.04241	.00014	.00132	.00164	.00014	.00013	.00849	.00043	.00094	.00280	.00046	.00190
%RSD	30.177	164.27	3.5264	153.45	11.734	398.55	73.923	15.639	103.62	130.47	6.2246	17.191	260.41
#1	.00412	-.00417	.00397	.00179	.01282	-.00006	.00008	.06027	.00011	.00006	.04701	.00299	.00061
#2	.00267	.05581	.00378	-.00007	.01514	.00014	.00026	.04827	.00072	.00139	.04305	.00234	-.00208
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	Si2881	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Y_3600-2	Y_3710	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm	Cts/S	Cts/S	ppm
Avg	**.00589**	**-.00001**	**.00022**	**-.00021**	**.00067**	**.00036**	z *****	z *****	**-.00005**
Stddev	.00955	.00020	.00015	.00000	.00054	.00020	-----	-----	.00022
%RSD	162.27	2176.1	69.471	.76218	80.659	55.519	-----	-----	407.48
#1	.01264	-.00015	.00011	-.00021	.00105	.00022	z 7302.	z 21600.	-.00021
#2	-.00087	.00013	.00033	-.00021	.00029	.00050	z 7250.	z 21400.	.00010
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	None	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	**4759.0**	**8085.7**	**49174.**	**13875.**
Stddev	4.2	16.0	122.	67.
%RSD	.08853	.19822	.24737	.48086
#1	4756.0	8074.4	49260.	13923.
#2	4762.0	8097.1	49088.	13828.



L3

4/9/12

58650

Cal: J04092CS
run: J04092S1
batches: 58652
1 53

5860SD

Line	Conc.	Units	SD/RSD	1	2	3	4	5

*** Check Standard: 2 Ck2ICV Seq: 1 10:30:49 09 Apr 12 HG

Line	Flag	%Rcv.	Found	True	Units	SD/RSD
Hg		104.	3.11	3.00	ppb	.000

*** Check Standard: 1 Ck1CCB Seq: 2 10:31:56 09 Apr 12 HG

Line	Flag	Found	Range(+/-)	Units	SD/RSD
Hg		-.083	.200	ppb	.000

*** Check Standard: 4 Ck4CRA Seq: 3 10:33:12 09 Apr 12 HG

Line	Flag	%Rcv.	Found	True	Units	SD/RSD
Hg		79.3	.159	.200	ppb	.000

*** Check Standard: 3 Ck3CCV Seq: 4 10:34:31 09 Apr 12 HG

Line	Flag	%Rcv.	Found	True	Units	SD/RSD
Hg		104.	2.08	2.00	ppb	.000

*** Check Standard: 1 Ck1CCB Seq: 5 10:35:52 09 Apr 12 HG

Line	Flag	Found	Range(+/-)	Units	SD/RSD
Hg		-.058	.200	ppb	.000

*** Sample ID: Seq: 6 10:37:03 09 Apr 12 HG
mb 480-58652/1-a

Hg	-.065	ppb	.000	-.065

*** Sample ID: Seq: 7 10:38:06 09 Apr 12 HG
lcssrm 480-58652/2-a

Hg	5.32	ppb	.000	5.32

*** Sample ID: Seq: 8 10:39:31 09 Apr 12 HG
480-18223-a-1-b

Hg	.949	ppb	.000	.949

*** Sample ID: Seq: 9 10:40:37 09 Apr 12 HG
480-18223-a-2-b

Hg	.875	ppb	.000	.875

*** Sample ID: Seq: 10 10:41:42 09 Apr 12 HG
480-18223-a-3-b

Hg	1.17	ppb	.000	1.17

*** Sample ID: Seq: 11 10:42:52 09 Apr 12 HG
480-18223-a-4-b

Hg	2.02	ppb	.000	2.02

*** Sample ID: Seq: 12 10:44:39 09 Apr 12 HG
480-18223-a-5-b

Hg	2.78	ppb	.000	2.78

*** Sample ID: Seq: 13 10:46:24 09 Apr 12 HG
480-18223-a-6-b

Hg	4.33	ppb	.000	4.33

*** Sample ID: Seq: 14 10:47:40 09 Apr 12 HG
480-18223-a-7-b

Hg	7.21	ppb	.000	7.21

*** Sample ID: Seq: 15 10:48:51 09 Apr 12 HG
480-18223-a-8-b

Hg	7.22	ppb	.000	7.22

```
Line   Conc.  Units     SD/RSD      1        2        3        4        5
-------------------------------------------------------------------------------

*** Check Standard: 3  Ck3CCV       Seq:  16      10:50:06 09 Apr 12   HG
Line  Flag  %Rcv.   Found    True  Units      SD/RSD
Hg          102.     2.04    2.00   ppb         .000

*** Check Standard: 1  Ck1CCB       Seq:  17      10:51:15 09 Apr 12   HG
Line  Flag  Found Range(+/-) Units      SD/RSD
Hg         -.081     .200     ppb         .000

*** Sample ID:                      Seq:  18      10:52:24 09 Apr 12   HG
                          480-18223-a-9-b
Hg    1.11    ppb        .000       1.11

*** Sample ID:                      Seq:  19      10:53:30 09 Apr 12   HG
                          480-18223-a-10-b
Hg    5.38    ppb        .000       5.38

*** Sample ID:                      Seq:  20      10:54:54 09 Apr 12   HG
                          480-18223-a-11-b
Hg    3.10    ppb        .000       3.10

*** Sample ID:                      Seq:  21      10:56:10 09 Apr 12   HG
                          480-18223-a-12-d
Hg    4.52    ppb        .000       4.52

*** Sample ID:                      Seq:  22      10:57:18 09 Apr 12   HG
                          18223-a-12-d SD@5
Hg    1.06    ppb        .000       1.06

*** Sample ID:                      Seq:  23      10:58:28 09 Apr 12   HG
                          480-18223-a-12-e ms
Hg    8.30    ppb        .000       8.30

*** Sample ID:                      Seq:  24      10:59:34 09 Apr 12   HG
                          480-18223-a-12-f msd
Hg    7.33    ppb        .000       7.33

*** Sample ID:                      Seq:  25      11:00:41 09 Apr 12   HG
                          480-18256-a-4-a
Hg    1.88    ppb        .000       1.88

*** Sample ID:                      Seq:  26      11:02:19 09 Apr 12   HG
                          480-18256-b-5-a
Hg    .097    ppb        .000       .097

*** Sample ID:                      Seq:  27      11:03:27 09 Apr 12   HG
                          480-18256-a-7-a
Hg    39.7  H ppb        .000       39.7

*** Check Standard: 3  Ck3CCV       Seq:  28      11:05:04 09 Apr 12   HG
Line  Flag  %Rcv.   Found    True  Units      SD/RSD
Hg          98.6     1.97    2.00   ppb         .000

*** Check Standard: 1  Ck1CCB       Seq:  29      11:06:30 09 Apr 12   HG
Line  Flag  Found Range(+/-) Units      SD/RSD
Hg         -.078     .200     ppb         .000

*** Sample ID:                      Seq:  30      11:08:15 09 Apr 12   HG
                          480-18138-b-1-b
Hg    90.1  H ppb        .000       90.1
```

Line	Conc.	Units	SD/RSD	1	2	3	4	5	
*** Sample ID:					Seq: 31		11:09:45 09 Apr 12		HG
				460-38737-d-1-a					
Hg	-.576	ppb	.000	-.576					
*** Sample ID:					Seq: 32		11:10:52 09 Apr 12		HG
				460-38737-d-2-a					
Hg	-.075	ppb	.000	-.075					
*** Sample ID:					Seq: 33		11:12:11 09 Apr 12		HG
				460-38737-d-3-a					
Hg	-.022	ppb	.000	-.022					
*** Sample ID:					Seq: 34		11:14:28 09 Apr 12		HG
				mb 480-58653/1-a					
Hg	-.003	ppb	.000	-.003					
*** Sample ID:					Seq: 35		11:15:48 09 Apr 12		HG
				lcssrm 480-58653/2-a					
Hg	5.05	ppb	.000	5.05					
*** Sample ID:					Seq: 36		11:17:09 09 Apr 12		HG
				480-18292-c-1-a					
Hg	5.79	ppb	.000	5.79					
*** Sample ID:					Seq: 37		11:18:16 09 Apr 12		HG
				480-18292-c-2-a					
Hg	5.13	ppb	.000	5.13					
*** Sample ID:					Seq: 38		11:19:43 09 Apr 12		HG
				480-18292-c-3-a					
Hg	.457	ppb	.000	.457					
*** Sample ID:					Seq: 39		11:21:09 09 Apr 12		HG
				480-18292-c-4-a					
Hg	4.60	ppb	.000	4.60					

*** Check Standard: 3 Ck3CCV			Seq: 40		11:22:16 09 Apr 12	HG
Line	Flag	%Rcv.	Found	True	Units	SD/RSD
Hg		99.8	2.00	2.00	ppb	.000

*** Check Standard: 1 Ck1CCB			Seq: 41		11:23:34 09 Apr 12	HG
Line	Flag	Found	Range(+/-)	Units	SD/RSD	
Hg		-.053	.200	ppb	.000	

*** Sample ID:					Seq: 42		11:24:41 09 Apr 12		HG
				480-18292-c-5-a					
Hg	2.96	ppb	.000	2.96					
*** Sample ID:					Seq: 43		11:25:52 09 Apr 12		HG
				480-18292-c-5-a SD@5					
Hg	.528	ppb	.000	.528					
*** Sample ID:					Seq: 44		11:27:01 09 Apr 12		HG
				480-18292-c-5-b ms					
Hg	5.72	ppb	.000	5.72					
*** Sample ID:					Seq: 45		11:28:22 09 Apr 12		HG
				480-18292-c-5-c msd					
Hg	5.52	ppb	.000	5.52					

Line	Conc.	Units	SD/RSD	1	2	3	4	5
*** Sample ID:					Seq: 46	11:29:57 09 Apr 12	HG	
				480-18292-c-6-a				
Hg	1.41	ppb	.000	1.41				
*** Sample ID:					Seq: 47	11:31:25 09 Apr 12	HG	
				480-18292-c-7-a				
Hg	1.27	ppb	.000	1.27				
*** Sample ID:					Seq: 48	11:33:42 09 Apr 12	HG	
				480-18292-c-8-a				
Hg	1.97	ppb	.000	1.97				
*** Sample ID:					Seq: 49	11:34:52 09 Apr 12	HG	
				480-18292-c-9-a				
Hg	1.36	ppb	.000	1.36				
*** Sample ID:					Seq: 50	11:35:58 09 Apr 12	HG	
				480-18292-c-10-a				
Hg	1.38	ppb	.000	1.38				
*** Sample ID:					Seq: 51	11:37:07 09 Apr 12	HG	
				480-18292-c-11-a				
Hg	1.08	ppb	.000	1.08				

*** Check Standard: 3 Ck3CCV			Seq: 52	11:38:48 09 Apr 12	HG
Line	Flag	%Rcv.	Found	True	Units	SD/RSD
Hg		102.	2.04	2.00	ppb	.000

*** Check Standard: 1 Ck1CCB			Seq: 53	11:40:38 09 Apr 12	HG
Line	Flag	Found	Range(+/-)	Units	SD/RSD
Hg		-.057	.200	ppb	.000

*** Sample ID:					Seq: 54	11:42:20 09 Apr 12	HG	
				480-18233-c-1-a				
Hg	.182	ppb	.000	.182				
*** Sample ID:					Seq: 55	11:43:36 09 Apr 12	HG	
				480-18233-c-2-a				
Hg	.269	ppb	.000	.269				
*** Sample ID:					Seq: 56	11:44:52 09 Apr 12	HG	
				480-18233-c-3-a				
Hg	.174	ppb	.000	.174				
*** Sample ID:					Seq: 57	11:46:21 09 Apr 12	HG	
				480-18233-c-4-a				
Hg	3.75	ppb	.000	3.75				
*** Sample ID:					Seq: 58	11:48:09 09 Apr 12	HG	
				480-18233-c-5-a				
Hg	.753	ppb	.000	.753				
*** Sample ID:					Seq: 59	11:49:17 09 Apr 12	HG	
				480-18233-c-6-a				
Hg	.038	ppb	.000	.038				
*** Sample ID:					Seq: 60	11:50:22 09 Apr 12	HG	
				480-18233-c-7-a				
Hg	.314	ppb	.000	.314				

Line	Conc.	Units	SD/RSD	1	2	3	4	5
*** Sample ID:					Seq: 61	11:51:51 09 Apr 12		HG
				480-18233-c-8-a				
Hg	.366	ppb	.000	.366				
*** Sample ID:					Seq: 62	11:53:22 09 Apr 12		HG
				480-18256-a-7-a@10				
Hg	4.87	ppb	.000	4.87				
*** Sample ID:					Seq: 65	12:00:29 09 Apr 12		HG
				480-18138-b-1-b@50				
Hg	8.30	ppb	.000	8.30				

*** Check Standard: 3 Ck3CCV					Seq: 66	12:01:35 09 Apr 12		HG
Line	Flag	%Rcv.	Found	True	Units	SD/RSD		
Hg		96.0	1.92	2.00	ppb	.000		
*** Check Standard: 1 Ck1CCB					Seq: 67	12:02:54 09 Apr 12		HG
Line	Flag	Found	Range(+/-)		Units	SD/RSD		
Hg		-.063	.200		ppb	.000		
*** Sample ID:					Seq: 68	12:04:04 09 Apr 12		HG
				460-38737-d-1-a				
Hg	.050	ppb	.000	.050				
*** Check Standard: 4 Ck4CRA					Seq: 69	12:05:30 09 Apr 12		HG
Line	Flag	%Rcv.	Found	True	Units	SD/RSD		
Hg		76.0	.152	.200	ppb	.000		
*** Check Standard: 3 Ck3CCV					Seq: 70	12:06:36 09 Apr 12		HG
Line	Flag	%Rcv.	Found	True	Units	SD/RSD		
Hg		102.	2.03	2.00	ppb	.000		
*** Check Standard: 1 Ck1CCB					Seq: 71	12:08:11 09 Apr 12		HG
Line	Flag	Found	Range(+/-)		Units	SD/RSD		
Hg		-.062	.200		ppb	.000		

METALS BATCH WORKSHEET

Lab Name: TestAmerica Buffalo Job No.: 480-18292-1

SDG No.:

Batch Number: 58875 Batch Start Date: 04/10/12 10:10 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 480-58875/1		3050B, 6010B		CALC NOT SET TO RUN	+0.4511 g	50 mL			
LCSSRM 480-58875/2		3050B, 6010B		CALC NOT SET TO RUN	+0.5007 g	50 mL			
480-18292-A-1	RB-10 (6-12")	3050B, 6010B	T	CALC NOT SET TO RUN	+0.4994 g	50 mL			
480-18292-A-2	RB-10 (12-24")	3050B, 6010B	T	CALC NOT SET TO RUN	+0.5044 g	50 mL			
480-18292-A-3	RB-11 (0-6")	3050B, 6010B	T	CALC NOT SET TO RUN	+0.4979 g	50 mL			
480-18292-A-4	RB-12 (0-6")	3050B, 6010B	T	CALC NOT SET TO RUN	+0.5066 g	50 mL			
480-18292-A-5	RB-01 (0-6")	3050B, 6010B	T	CALC NOT SET TO RUN	+0.5362 g	50 mL			
480-18292-A-5 MS	RB-01 (0-6")	3050B, 6010B	T	CALC NOT SET TO RUN	+0.5292 g	50 mL	0.5 mL	0.5 mL	0.5 mL
480-18292-A-5 MSD	RB-01 (0-6")	3050B, 6010B	T	CALC NOT SET TO RUN	+0.4986 g	50 mL	0.5 mL	0.5 mL	0.5 mL
480-18292-A-6	RB-01 (6-12")	3050B, 6010B	T	CALC NOT SET TO RUN	+0.4655 g	50 mL			
480-18292-A-7	RB-01 (12-24")	3050B, 6010B	T	CALC NOT SET TO RUN	+0.5305 g	50 mL			
480-18292-A-8	RB-02 (0-6")	3050B, 6010B	T	CALC NOT SET TO RUN	+0.4865 g	50 mL			
480-18292-A-9	RB-02 (6-12")	3050B, 6010B	T	CALC NOT SET TO RUN	+0.5468 g	50 mL			
480-18292-A-10	RB-02 (12-24")	3050B, 6010B	T	CALC NOT SET TO RUN	+0.4965 g	50 mL			
480-18292-A-11	DUP-03	3050B, 6010B	T	CALC NOT SET TO RUN	+0.4525 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 480-58875/1		3050B, 6010B							
LCSSRM 480-58875/2		3050B, 6010B				0.5 mL			
480-18292-A-1	RB-10 (6-12")	3050B, 6010B	T						
480-18292-A-2	RB-10 (12-24")	3050B, 6010B	T						
480-18292-A-3	RB-11 (0-6")	3050B, 6010B	T						
480-18292-A-4	RB-12 (0-6")	3050B, 6010B	T						
480-18292-A-5	RB-01 (0-6")	3050B, 6010B	T						

METALS BATCH WORKSHEET

Lab Name: TestAmerica Buffalo Job No.: 480-18292-1

SDG No.:

Batch Number: 58875 Batch Start Date: 04/10/12 10:10 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			
480-18292-A-5 MS	RB-01 (0-6")	3050B, 6010B	T	0.5 mL	0.5 mL				
480-18292-A-5 MSD	RB-01 (0-6")	3050B, 6010B	T	0.5 mL	0.5 mL				
480-18292-A-6	RB-01 (6-12")	3050B, 6010B	T						
480-18292-A-7	RB-01 (12-24")	3050B, 6010B	T						
480-18292-A-8	RB-02 (0-6")	3050B, 6010B	T						
480-18292-A-9	RB-02 (6-12")	3050B, 6010B	T						
480-18292-A-10	RB-02 (12-24")	3050B, 6010B	T						
480-18292-A-11	DUP-03	3050B, 6010B	T						

Batch Notes	
Analyst	JMM
Balance ID	25850472
Batch Comment	00701761
Blank Soil Lot Number	298242
First End time	1210
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	96.4 Degrees C
Pipette ID	MDL-4
First Start time	1010
ID number of the thermometer	58758G320810/2
Digestion Tube/Cup Lot #	1108215
Uncorrected Temperature	95.9 Celsius

Basis	Basis Description
T	Total/NA

METALS BATCH WORKSHEET

Lab Name: TestAmerica Buffalo Job No.: 480-18292-1

SDG No.:

Batch Number: 58653 Batch Start Date: 04/09/12 08:40 Batch Analyst: Mantell, Jaclyn

Batch Method: 7471A Batch End Date:

Lab Sample ID	Client Sample ID	Method Chain	Basis	InitialAmount	FinalAmount	MEH_HG2_WKG 00063	MEH_SRM_D071 00001		
MB 480-58653/1		7471A, 7471A		+0.5559 g	50 mL				
LCSSRM 480-58653/2		7471A, 7471A		+0.0558 g	50 mL		0.0558 g		
480-18292-C-1	RB-10 (6-12")	7471A, 7471A	T	+0.6125 g	50 mL				
480-18292-C-2	RB-10 (12-24")	7471A, 7471A	T	+0.6581 g	50 mL				
480-18292-C-3	RB-11 (0-6")	7471A, 7471A	T	+0.5935 g	50 mL				
480-18292-C-4	RB-12 (0-6")	7471A, 7471A	T	+0.6373 g	50 mL				
480-18292-C-5	RB-01 (0-6")	7471A, 7471A	T	+0.5902 g	50 mL				
480-18292-C-5 MS	RB-01 (0-6")	7471A, 7471A	T	+0.5732 g	50 mL	2 mL			
480-18292-C-5 MSD	RB-01 (0-6")	7471A, 7471A	T	+0.5915 g	50 mL	2 mL			
480-18292-C-6	RB-01 (6-12")	7471A, 7471A	T	+0.5968 g	50 mL				
480-18292-C-7	RB-01 (12-24")	7471A, 7471A	T	+0.5559 g	50 mL				
480-18292-C-8	RB-02 (0-6")	7471A, 7471A	T	+0.5694 g	50 mL				
480-18292-C-9	RB-02 (6-12")	7471A, 7471A	T	+0.5579 g	50 mL				
480-18292-C-10	RB-02 (12-24")	7471A, 7471A	T	+0.6306 g	50 mL				
480-18292-C-11	DUP-03	7471A, 7471A	T	+0.5562 g	50 mL				

METALS BATCH WORKSHEET

Lab Name: TestAmerica Buffalo Job No.: 480-18292-1

SDG No.:

Batch Number: 58653 Batch Start Date: 04/09/12 08:40 Batch Analyst: Mantell, Jaclyn

Batch Method: 7471A Batch End Date:

Batch Notes	
Hydroxylamine Hydrochloride Lot	614754
Balance ID	2580473
Batch Comment	Cal Prep Batch: 58651
Blank Soil Lot Number	G01W019
Lot # of hydrochloric acid	477596
Lot # of Nitric Acid	597534
Hot Block ID number	A
Potassium Permanganate Lot Number	663155
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 #	1108215
Uncorrected Temperature	95.0 Celsius

Basis	Basis Description
T	Total/NA

GENERAL CHEMISTRY

COVER PAGE
GENERAL CHEMISTRY

Lab Name: TestAmerica Buffalo Job Number: 480-18292-1

SDG No.:

Project: ALCO-Maxon Site

Client Sample ID	Lab Sample ID
RB-10 (6-12")	480-18292-1
RB-10 (12-24")	480-18292-2
RB-11 (0-6")	480-18292-3
RB-12 (0-6")	480-18292-4
RB-01 (0-6")	480-18292-5
RB-01 (6-12")	480-18292-6
RB-01 (12-24")	480-18292-7
RB-02 (0-6")	480-18292-8
RB-02 (6-12")	480-18292-9
RB-02 (12-24")	480-18292-10
DUP-03	480-18292-11

Comments:

9-IN
DETECTION LIMITS
GENERAL CHEMISTRY

Lab Name: TestAmerica Buffalo Job Number: 480-18292-1

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: 480-18292-1

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.: 480-18292-1

SDG No.:

Instrument ID: NOEQUIP Method: Moisture

Start Date: 04/09/2012 11:40 End Date: 04/09/2012 11:40

Lab Sample ID	D / F	Type	Time	Analytes																				
				% Sol	Moist																			
ZZZZZZ			11:40																					
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480-18292-1	1	T	11:40	X	X																			
480-18292-2	1	T	11:40	X	X																			
480-18292-3	1	T	11:40	X	X																			
480-18292-4	1	T	11:40	X	X																			
480-18292-5	1	T	11:40	X	X																			
480-18292-5 MS	1	T	11:40	X	X																			
480-18292-5 MSD	1	T	11:40	X	X																			
480-18292-6	1	T	11:40	X	X																			
480-18292-7	1	T	11:40	X	X																			
480-18292-8	1	T	11:40	X	X																			
480-18292-9	1	T	11:40	X	X																			
480-18292-10	1	T	11:40	X	X																			
480-18292-11	1	T	11:40	X	X																			

13-IN
ANALYSIS RUN LOG
GENERAL CHEMISTRY

Lab Name: TestAmerica Buffalo Job No.: 480-18292-1

SDG No.:

Instrument ID: NOEQUIP Method: Moisture

Start Date: 04/09/2012 11:40 End Date: 04/09/2012 11:40

Prep Types
T = Total/NA

GENERAL CHEMISTRY BATCH WORKSHEET

Lab Name: TestAmerica Buffalo Job No.: 480-18292-1

SDG No.:

Batch Number: 58736 Batch Start Date: 04/09/12 11:40 Batch Analyst: Robison, Zachary

Batch Method: Moisture Batch End Date:

Lab Sample ID	Client Sample ID	Method Chain	Basis	DISH#	DishWeight	SampleMassWet	SampleMassDry		
480-18292-A-1	RB-10 (6-12")	Moisture	T	22	4.3 g	8.61 g	8.26 g		
480-18292-A-2	RB-10 (12-24")	Moisture	T	23	4.3 g	10.16 g	9.75 g		
480-18292-A-3	RB-11 (0-6")	Moisture	T	24	4.3 g	9.57 g	9.25 g		
480-18292-A-4	RB-12 (0-6")	Moisture	T	25	4.3 g	9.36 g	9.14 g		
480-18292-A-5	RB-01 (0-6")	Moisture	T	26	4.3 g	8.13 g	7.72 g		
480-18292-A-5 MS	RB-01 (0-6")	Moisture	T	27	4.3 g	8.13 g	7.72 g		
480-18292-A-5 MSD	RB-01 (0-6")	Moisture	T	28	4.3 g	8.13 g	7.72 g		
480-18292-A-6	RB-01 (6-12")	Moisture	T	29	4.3 g	10.49 g	9.47 g		
480-18292-A-7	RB-01 (12-24")	Moisture	T	30	4.3 g	7.38 g	6.84 g		
480-18292-A-8	RB-02 (0-6")	Moisture	T	31	4.3 g	10.05 g	9.66 g		
480-18292-A-9	RB-02 (6-12")	Moisture	T	32	4.3 g	7.71 g	7.45 g		
480-18292-A-10	RB-02 (12-24")	Moisture	T	33	4.3 g	8.91 g	8.39 g		
480-18292-A-11	DUP-03	Moisture	T	34	4.3 g	7.11 g	6.59 g		

Batch Notes	
Batch Comment	pp-bsl-11 4.30 MS/MSD's re-done on 4/16/12 KPK
Date samples were placed in the oven	4/9/12
Time samples were place in the oven	1150

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: Rosenums	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:	Analysis Requested		
City: Albany	TAT Requested (days): Standard			
State, Zip: NY, 12205-0269	PO #: ~~14600.2001.44000~~ 23816.2000.44080			
Phone: 518-453-8749(Tel)	WO #:			
Email: snewell ~~kflood~~@chacompanies.com	Project #: 48004698			
Project Name: ALCO-Maxon Site	SSOW#:			
Site:				

Sample Identification	Sample Date	Sample Time	Sample Type (C=comp, G=grab)	Matrix (Wastewater, Sewage, Drinking/Surface 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									

Preservation Codes:

A - HCL	M - Hexane
B - NaOH	N - None
C - Zn Acetate	O - AsNaO2
D - Nitric Acid	P - Na2O4S
E - NaHSO4	Q - Na2SO3
F - MeOH	R - Na2S2SO3
G - Amchlor	S - H2SO4
H - Ascorbic Acid	T - TSP Dodecahydrate
I - Ice	U - Acetone
J - DI Water	V - MCAA
K - EDTA	W - ph 4-5
L - EDA	Z - other (specify)

Other:

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	TAL
3		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 #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/Solid, BT=Tissue, AA=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									

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
	4-6-12 / 1030			4/6/12 10:30	TAL
Relinquished by:	Date/Time: 4/6/12 1700	Company TAL	Received by:	Date/Time: 4-7-12 900	Company
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

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04/20/2012

Login Sample Receipt Checklist

Client: CHA Inc

Job Number: 480-18292-1

Login Number: 18292

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	3.9 #1
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	