TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

ANALYTICAL REPORT

Job Number: 480-55783-1

Job Description: Mt Kisco

For:
Sterling Environmental Engineering PC
24 Wade Road
Latham, NY 12110

Attention: Mr. Mark Williams

Approved for release.
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Project Management Assistant I
3/20/2014 3:30 PM

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03/20/2014

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Comments
No additional comments.

Receipt
The samples were received on 3/11/2014 9:00 AM and 3/12/2014 9:00 AM; the samples arrived in good condition, properly preserved and, where required, on ice. The temperatures of the 3 coolers at receipt time were 3.6º C, 3.8º C and 4.5º C.

GC/MS VOA
Method(s) 8260C: The large number of analytes included in the continuing calibration verification (CCV) for batch 169830 gives a high probability that one or more analytes will be outside acceptance criteria. As indicated in the reference method, analysis may proceed as long as no more than 20% of the analytes are outside the method-defined %D criteria.

No other analytical or quality issues were noted.

GC/MS Semi VOA
Method(s) 8270D: Internal standard response for the following samples exceeded the lower control limit: MW-5 (480-55880-3). As such, the sample results may be biased high. The analytes associated with the failing internal standards were below the reporting limit, therefore the data has been qualified and reported.

Method(s) 8270D: The continuing calibration verification (CCV) for analytical batch 170376 recovered outside control limits for multiple analytes. These analytes were within acceptable limits in the low level calibration verification (CCVL), therefore the data have been qualified and reported.

Method(s) 8270D: The continuing calibration verification (CCV) associated with batch 170376 recovered above the upper control limit for 3,3'-Dichlorobenzidine. The samples associated with this CCV were non-detects for the affected analytes; therefore, the data have been reported. The following samples are impacted: (CCV 480-170376/4).

No other analytical or quality issues were noted.

GC Semi VOA
Method(s) 8081B: The following samples were diluted due to the nature of the sample matrix: MW-1 (480-55880-1), MW-4 (480-55880-2). Elevated reporting limits (RLs) are provided.

Method(s) 8081B: All primary data is reported from the RTX-CLPII column.

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

Method(s) 8082A: 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.

Method(s) 8151A: Surrogate recovery for the following samples was outside control limits: MW-1 (480-55880-1), MW-5 (480-55880-3). Evidence of matrix interference is present; therefore, re-extraction and/or re-analysis was not performed.

Method(s) 8151A: The continuing calibration verification (CCV) 480-170053/27 recovered above the upper control limit for several analytes. The samples associated with this CCV were non-detect for the affected analytes; therefore, the data have been reported. The following samples are impacted: (CCV 480-170053/27), MW-1 (480-55880-1), MW-4 (480-55880-2), MW-5 (480-55880-3).

Method(s) 8151A: All primary data is reported from the RTX-CLPI column.

Method(s) 8151A: The continuing calibration verification (CCV 480-170053/13) recovered above the upper control limit for several analytes. The samples associated with this CCV were non-detect for the affected analytes; therefore, the data have been reported.

No other analytical or quality issues were noted.

Metals
Method(s) 6010C: The Method Blank for batch 480-170056 contained total manganese and zinc above the method detection limits. These target analyte concentrations were less than the reporting limits (RLs); therefore, re-extraction and/or re-analysis of samples MW-1 (480-55880-1), MW-4 (480-55880-2), MW-5 (480-55880-3) was not performed.

No other analytical or quality issues were noted.

General Chemistry
Method(s) 335.4: The method blank for batch 170587 contained cyanide above the reporting limit (RL). None of the samples associated with this method blank contained the target compound; therefore, re-extraction and/or re-analysis of samples were not performed.MW-5 (480-55880-3)

No other analytical or quality issues were noted.

Organic Prep

No analytical or quality issues were noted, other than those described in the Definitions/Glossary page.

GC/MS VOA MANUAL INTEGRATION SUMMARY

Lab Name: TestAmerica Buffalo Job No.: 480-55783-1

SDG No.:

Instrument ID: HP5973S Analysis Batch Number: 164519

Lab Sample ID: IC 480-164519/7 Client Sample ID:

Date Analyzed: 02/04/14 22:09 Lab File ID: S34497.D GC Column: ZB-624 (60) ID: 0.25(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Chloromethane	1.35	Coelution	HillL	02/05/14 14:41

Lab Sample ID: IC 480-164519/8 Client Sample ID:

Date Analyzed: 02/04/14 22:31 Lab File ID: S34498.D GC Column: ZB-624 (60) ID: 0.25(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Cyclohexane	4.04	Peak Tail	HillL	02/05/14 14:29

Lab Sample ID: ICIS 480-164519/9 Client Sample ID:

Date Analyzed: 02/04/14 22:53 Lab File ID: S34499.D GC Column: ZB-624 (60) ID: 0.25(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Cyclohexane	4.04	Peak Tail	HillL	02/05/14 14:30
1,4-Dioxane	5.10	Peak Tail	HillL	02/05/14 14:30

Lab Sample ID: IC 480-164519/10 Client Sample ID:

Date Analyzed: 02/04/14 23:14 Lab File ID: S34500.D GC Column: ZB-624 (60) ID: 0.25(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Carbon disulfide	2.51	Coelution	HillL	02/05/14 14:32
Allyl chloride	2.60	Peak Tail	HillL	02/05/14 14:32
Cyclohexane	4.04	Peak Tail	HillL	02/05/14 14:32
1,4-Dioxane	5.10	Peak Tail	HillL	02/05/14 14:32

GC/MS VOA MANUAL INTEGRATION SUMMARY

Lab Name: TestAmerica Buffalo Job No.: 480-55783-1

SDG No.:

Instrument ID: HP5973S Analysis Batch Number: 164519

Lab Sample ID: IC 480-164519/11 Client Sample ID:

Date Analyzed: 02/04/14 23:36 Lab File ID: S34501.D GC Column: ZB-624 (60) ID: 0.25(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Chloromethane	1.36	Coelution	HillL	02/05/14 14:39
Carbon disulfide	2.51	Coelution	HillL	02/05/14 14:39
Allyl chloride	2.60	Peak Tail	HillL	02/05/14 14:39
Cyclohexane	4.04	Coelution	HillL	02/05/14 14:39
1,4-Dioxane	5.10	Peak Tail	HillL	02/05/14 14:39

GC/MS VOA MANUAL INTEGRATION SUMMARY

Lab Name: TestAmerica Buffalo Job No.: 480-55783-1

SDG No.:

Instrument ID: HP5973S Analysis Batch Number: 169830

Lab Sample ID: CCVIS 480-169830/3 Client Sample ID:

Date Analyzed: 03/13/14 09:57 Lab File ID: S35868.D GC Column: ZB-624 (60) ID: 0.25(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
1,4-Dioxane	5.10	Poor chromatography	goliszekg	03/13/14 11:24

GC/MS VOA MANUAL INTEGRATION SUMMARY

Lab Name: TestAmerica Buffalo Job No.: 480-55783-1

SDG No.:

Instrument ID: HP5975D Analysis Batch Number: 167582

Lab Sample ID: IC 480-167582/6 Client Sample ID:

Date Analyzed: 02/26/14 01:02 Lab File ID: D9831.D GC Column: RTX-CLPII ID: 0.53(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
1,4-Dioxane	5.43	Assign Peak	cwiklinc	02/26/14 02:57

Lab Sample ID: IC 480-167582/7 Client Sample ID:

Date Analyzed: 02/26/14 01:22 Lab File ID: D9832.D GC Column: RTX-CLPII ID: 0.53(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
2-Methyl-2-propanol	3.10	Peak Tail	BrandtT	02/26/14 15:02
1,4-Dioxane	5.42	Assign Peak	cwiklinc	02/26/14 03:00

GC/MS SEMI VOA MANUAL INTEGRATION SUMMARY

Lab Name: TestAmerica Buffalo Job No.: 480-55783-1

SDG No.:

Instrument ID: HP5973W Analysis Batch Number: 168862

Lab Sample ID: IC 480-168862/3 Client Sample ID:

Date Analyzed: 03/06/14 13:08 Lab File ID: W04760.D GC Column: RXI-5Sil MS ID: 0.25(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Pentachlorophenol	9.04	Assign Peak	mckernar	03/06/14 14:21
Indeno[1,2,3-cd]pyrene	14.23	Coelution	mckernar	03/06/14 15:17
Dibenz(a,h)anthracene	14.26	Assign Peak	mckernar	03/06/14 14:12
Benzo[g,h,i]perylene	14.54	Assign Peak	mckernar	03/06/14 14:12

Lab Sample ID: IC 480-168862/4 Client Sample ID:

Date Analyzed: 03/06/14 13:33 Lab File ID: W04761.D GC Column: RXI-5Sil MS ID: 0.25(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
4-Nitrophenol	8.18	Assign Peak	mckernar	03/06/14 14:21
Indeno[1,2,3-cd]pyrene	14.22	Coelution	mckernar	03/06/14 15:17

Lab Sample ID: IC 480-168862/5 Client Sample ID:

Date Analyzed: 03/06/14 13:57 Lab File ID: W04762.D GC Column: RXI-5Sil MS ID: 0.25(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Indeno[1,2,3-cd]pyrene	14.21	Coelution	mckernar	03/06/14 15:17

Lab Sample ID: IC 480-168862/7 Client Sample ID:

Date Analyzed: 03/06/14 14:45 Lab File ID: W04764.D GC Column: RXI-5Sil MS ID: 0.25(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Indeno[1,2,3-cd]pyrene	14.23	Coelution	mckernar	03/06/14 15:16

GC/MS SEMI VOA MANUAL INTEGRATION SUMMARY

Lab Name: TestAmerica Buffalo Job No.: 480-55783-1

SDG No.:

Instrument ID: HP5973W Analysis Batch Number: 168862

Lab Sample ID: IC 480-168862/8 Client Sample ID:

Date Analyzed: 03/06/14 15:09 Lab File ID: W04765.D GC Column: RXI-5Sil MS ID: 0.25(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Indeno[1,2,3-cd]pyrene	14.24	Coelution	mckernar	03/06/14 15:38

Lab Sample ID: IC 480-168862/9 Client Sample ID:

Date Analyzed: 03/06/14 15:33 Lab File ID: W04766.D GC Column: RXI-5Sil MS ID: 0.25(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Indeno[1,2,3-cd]pyrene	14.27	Coelution	mckernar	03/06/14 15:53

GC/MS SEMI VOA MANUAL INTEGRATION SUMMARY

Lab Name: TestAmerica Buffalo Job No.: 480-55783-1

SDG No.:

Instrument ID: HP5973W Analysis Batch Number: 170376

Lab Sample ID: CCVL 480-170376/5 Client Sample ID:

Date Analyzed: 03/17/14 16:54 Lab File ID: W04983.D GC Column: RXI-5Sil MS ID: 0.25(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
2,4-Dinitrophenol	8.03	Assign Peak	mckernar	03/17/14 17:17
Pentachlorophenol	9.04	Assign Peak	mckernar	03/17/14 17:17

Lab Sample ID: LCS 480-169810/2-A Client Sample ID:

Date Analyzed: 03/17/14 18:54 Lab File ID: W04988.D GC Column: RXI-5Sil MS ID: 0.25(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Caprolactam	6.91	Assign Peak	mckernar	03/18/14 09:03

GC SEMI VOA MANUAL INTEGRATION SUMMARY

Lab Name: TestAmerica Buffalo Job No.: 480-55783-1

SDG No.:

Instrument ID: HP6890-6 Analysis Batch Number: 158442

Lab Sample ID: STD 480-158442/22 IC Client Sample ID:

Date Analyzed: 12/19/13 17:42 Lab File ID: 6__9037.D GC Column: RTX-CLPII ID: 0.53(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Toxaphene Peak 1	5.74	Incomplete Integration	WolfL	12/20/13 11:21
Toxaphene Peak 2	6.02	Incomplete Integration	WolfL	12/20/13 11:21
Toxaphene Peak 3	6.53	Incomplete Integration	WolfL	12/20/13 11:21

Lab Sample ID: STD 480-158442/24 IC Client Sample ID:

Date Analyzed: 12/19/13 18:17 Lab File ID: 6__9039.D GC Column: RTX-CLPII ID: 0.53(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Toxaphene Peak 1	5.74	Incomplete Integration	WolfL	12/20/13 11:17
Toxaphene Peak 2	6.02	Incomplete Integration	WolfL	12/20/13 11:17
Toxaphene Peak 3	6.53	Incomplete Integration	WolfL	12/20/13 11:17

GC SEMI VOA MANUAL INTEGRATION SUMMARY

Lab Name: TestAmerica Buffalo Job No.: 480-55783-1

SDG No.:

Instrument ID: HP6890-6 Analysis Batch Number: 170073

Lab Sample ID: 480-55783-2 Client Sample ID: MW-3

Date Analyzed: 03/14/14 15:34 Lab File ID: 6__13183.D GC Column: RTX-CLPII ID: 0.53(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
gamma-Chlordane	4.53	Incomplete Integration	WolfL	03/17/14 14:35

Lab Sample ID: CCV 480-170073/15 Client Sample ID:

Date Analyzed: 03/14/14 16:44 Lab File ID: 6__13187.D GC Column: RTX-CLPII ID: 0.53(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Toxaphene Peak 1	5.65	Incomplete Integration	WolfL	03/17/14 14:38
Toxaphene Peak 2	5.93	Incomplete Integration	WolfL	03/17/14 14:38
Toxaphene Peak 3	6.44	Incomplete Integration	WolfL	03/17/14 14:38

PCBS MANUAL INTEGRATION SUMMARY

Lab Name: TestAmerica Buffalo Job No.: 480-55783-1

SDG No.:

Instrument ID: HP5890-12 Analysis Batch Number: 168468

Lab Sample ID: STD1 480-168468/2 IC Client Sample ID:

Date Analyzed: 03/04/14 12:15 Lab File ID: 12_278_025.D GC Column: ZB-35 ID: 0.53(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
PCB-1260 Peak 1	4.36	Incomplete Integration	michalej	03/05/14 13:39
PCB-1260 Peak 2	4.43	Incomplete Integration	michalej	03/05/14 13:39
PCB-1260 Peak 3	4.50	Incomplete Integration	michalej	03/05/14 13:39
PCB-1260 Peak 4	4.82	Incomplete Integration	michalej	03/05/14 13:39

Lab Sample ID: STD2 480-168468/3 IC Client Sample ID:

Date Analyzed: 03/04/14 12:30 Lab File ID: 12_278_026.D GC Column: ZB-35 ID: 0.53(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
PCB-1260 Peak 1	4.36	Incomplete Integration	michalej	03/05/14 13:39
PCB-1260 Peak 2	4.43	Incomplete Integration	michalej	03/05/14 13:39
PCB-1260 Peak 3	4.50	Incomplete Integration	michalej	03/05/14 13:39
PCB-1260 Peak 4	4.82	Incomplete Integration	michalej	03/05/14 13:39

Lab Sample ID: STD3 480-168468/4 IC Client Sample ID:

Date Analyzed: 03/04/14 12:45 Lab File ID: 12_278_027.D GC Column: ZB-35 ID: 0.53(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
PCB-1260 Peak 1	4.36	Incomplete Integration	michalej	03/05/14 13:39
PCB-1260 Peak 2	4.43	Incomplete Integration	michalej	03/05/14 13:39
PCB-1260 Peak 3	4.50	Incomplete Integration	michalej	03/05/14 13:39
PCB-1260 Peak 4	4.82	Incomplete Integration	michalej	03/05/14 13:39

PCBS MANUAL INTEGRATION SUMMARY

Lab Name: TestAmerica Buffalo Job No.: 480-55783-1

SDG No.:

Instrument ID: HP5890-12 Analysis Batch Number: 168468

Lab Sample ID: STD48 480-168468/16 IC Client Sample ID:

Date Analyzed: 03/04/14 15:41 Lab File ID: 12_278_039.D GC Column: ZB-35 ID: 0.53(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
PCB-1248 Peak 2	3.01	Incomplete Integration	michalej	03/05/14 13:46

Lab Sample ID: STD54 480-168468/18 IC Client Sample ID:

Date Analyzed: 03/04/14 16:11 Lab File ID: 12_278_041.D GC Column: ZB-35 ID: 0.53(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
PCB-1254 Peak 1	3.42	Incomplete Integration	michalej	03/05/14 13:43
PCB-1254 Peak 2	3.50	Incomplete Integration	michalej	03/05/14 13:43
PCB-1254 Peak 3	3.64	Incomplete Integration	michalej	03/05/14 13:43
PCB-1254 Peak 4	3.76	Incomplete Integration	michalej	03/05/14 13:43

HERBICIDES MANUAL INTEGRATION SUMMARY

Lab Name: TestAmerica Buffalo Job No.: 480-55783-1

SDG No.:

Instrument ID: HP5890-13 Analysis Batch Number: 170053

Lab Sample ID: MB 480-169808/1-A Client Sample ID:

Date Analyzed: 03/14/14 13:37 Lab File ID: 13_56014.D GC Column: RTX-CLPI ID: 0.32(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
2,4-Dichlorophenylacetic acid	12.37	Baseline Smoothing	bescod	03/14/14 14:08

SAMPLE SUMMARY

Client: Sterling Environmental Engineering PC

Job Number: 480-55783-1

Lab Sample ID	Client Sample ID	Client Matrix	Date/Time Sampled	Date/Time Received
480-55783-1	MW-P	Water	03/10/2014 1405	03/11/2014 1058
480-55783-2	MW-3	Water	03/10/2014 1500	03/11/2014 1058
480-55880-1	MW-1	Water	03/11/2014 1520	03/12/2014 0900
480-55880-2	MW-4	Water	03/11/2014 1435	03/12/2014 0900
480-55880-3	MW-5	Water	03/11/2014 1350	03/12/2014 0900

EXECUTIVE SUMMARY - Detections

Client: Sterling Environmental Engineering PC

Job Number: 480-55783-1

Lab Sample ID / Analyte	Client Sample ID	Result	Qualifier	Reporting Limit	Units	Method
480-55783-1	**MW-P**					
Acetone		3.2	J	10	ug/L	8260C
Carbon disulfide		0.30	J	1.0	ug/L	8260C
Benzaldehyde		0.28	J	5.1	ug/L	8270D
Caprolactam		5.1		5.1	ug/L	8270D
4,4'-DDT		0.019	J	0.049	ug/L	8081B
delta-BHC		0.013	J	0.049	ug/L	8081B
Aluminum		58.1		0.20	mg/L	6010C
Arsenic		0.0062	J	0.015	mg/L	6010C
Barium		0.81		0.0020	mg/L	6010C
Cadmium		0.0031		0.0020	mg/L	6010C
Calcium		37.6		0.50	mg/L	6010C
Chromium		0.13		0.0040	mg/L	6010C
Cobalt		0.042		0.0040	mg/L	6010C
Copper		0.15		0.010	mg/L	6010C
Iron		83.9		0.050	mg/L	6010C
Lead		0.056		0.010	mg/L	6010C
Magnesium		29.9		0.20	mg/L	6010C
Manganese		1.9		0.0030	mg/L	6010C
Nickel		0.094		0.010	mg/L	6010C
Potassium		26.7		0.50	mg/L	6010C
Silver		0.0049	J	0.0060	mg/L	6010C
Sodium		17.5		1.0	mg/L	6010C
Vanadium		0.15		0.0050	mg/L	6010C
Zinc		0.31		0.010	mg/L	6010C
Mercury		0.00083		0.00020	mg/L	7470A

EXECUTIVE SUMMARY - Detections

Client: Sterling Environmental Engineering PC

Job Number: 480-55783-1

Lab Sample ID / Analyte	Client Sample ID	Result	Qualifier	Reporting Limit	Units	Method
480-55783-2	**MW-3**					
Acetone		68		10	ug/L	8260C
4,4'-DDT		0.027	J	0.049	ug/L	8081B
delta-BHC		0.010	J	0.049	ug/L	8081B
gamma-Chlordane		0.012	J	0.049	ug/L	8081B
Aluminum		2.1		0.20	mg/L	6010C
Arsenic		0.0071	J	0.015	mg/L	6010C
Barium		0.19		0.0020	mg/L	6010C
Calcium		69.3		0.50	mg/L	6010C
Chromium		0.0047		0.0040	mg/L	6010C
Cobalt		0.0024	J	0.0040	mg/L	6010C
Copper		0.012		0.010	mg/L	6010C
Iron		22.7		0.050	mg/L	6010C
Lead		0.0063	J	0.010	mg/L	6010C
Magnesium		17.3		0.20	mg/L	6010C
Manganese		2.2		0.0030	mg/L	6010C
Nickel		0.0036	J	0.010	mg/L	6010C
Potassium		4.4		0.50	mg/L	6010C
Sodium		3.1		1.0	mg/L	6010C
Vanadium		0.010		0.0050	mg/L	6010C
Zinc		0.047		0.010	mg/L	6010C
480-55880-1	**MW-1**					
Acetone		4.5	J	10	ug/L	8260C
Caprolactam		9.5		4.9	ug/L	8270D
Diethyl phthalate		0.22	J	4.9	ug/L	8270D
Heptachlor		0.080	J	0.25	ug/L	8081B
Aluminum		0.53		0.20	mg/L	6010C
Barium		0.068		0.0020	mg/L	6010C
Calcium		42.0		0.50	mg/L	6010C
Chromium		0.0060		0.0040	mg/L	6010C
Copper		0.0059	J	0.010	mg/L	6010C
Iron		0.79		0.050	mg/L	6010C
Lead		0.0031	J	0.010	mg/L	6010C
Magnesium		14.9		0.20	mg/L	6010C
Manganese		0.083	B	0.0030	mg/L	6010C
Nickel		0.019		0.010	mg/L	6010C
Potassium		3.0		0.50	mg/L	6010C
Sodium		16.7		1.0	mg/L	6010C
Zinc		0.11	B	0.010	mg/L	6010C

EXECUTIVE SUMMARY - Detections

Client: Sterling Environmental Engineering PC

Job Number: 480-55783-1

Lab Sample ID / Analyte	Client Sample ID	Result	Qualifier	Reporting Limit	Units	Method
480-55880-2	**MW-4**					
Acetone		7.6	J	10	ug/L	8260C
Caprolactam		8.1		4.9	ug/L	8270D
Diethyl phthalate		0.43	J	4.9	ug/L	8270D
Di-n-butyl phthalate		0.30	J	4.9	ug/L	8270D
Aluminum		4.1		0.20	mg/L	6010C
Barium		0.25		0.0020	mg/L	6010C
Cadmium		0.00080	J	0.0020	mg/L	6010C
Calcium		87.7		0.50	mg/L	6010C
Chromium		0.016		0.0040	mg/L	6010C
Cobalt		0.0055		0.0040	mg/L	6010C
Copper		0.20		0.010	mg/L	6010C
Iron		36.5		0.050	mg/L	6010C
Lead		0.021		0.010	mg/L	6010C
Magnesium		21.9		0.20	mg/L	6010C
Manganese		4.6	B	0.0030	mg/L	6010C
Nickel		0.011		0.010	mg/L	6010C
Potassium		5.1		0.50	mg/L	6010C
Silver		0.0026	J	0.0060	mg/L	6010C
Sodium		19.6		1.0	mg/L	6010C
Vanadium		0.010		0.0050	mg/L	6010C
Zinc		0.20	B	0.010	mg/L	6010C
Mercury		0.00044		0.00020	mg/L	7470A

EXECUTIVE SUMMARY - Detections

Client: Sterling Environmental Engineering PC

Job Number: 480-55783-1

Lab Sample ID / Analyte	Client Sample ID	Result	Qualifier	Reporting Limit	Units	Method
480-55880-3	**MW-5**					
Caprolactam		59		4.9	ug/L	8270D
Diethyl phthalate		0.84	J	4.9	ug/L	8270D
alpha-BHC		0.0088	J	0.053	ug/L	8081B
delta-BHC		0.012	J	0.053	ug/L	8081B
gamma-Chlordane		0.012	J	0.053	ug/L	8081B
Aluminum		2.1		0.20	mg/L	6010C
Arsenic		0.016		0.015	mg/L	6010C
Barium		0.37		0.0020	mg/L	6010C
Cadmium		0.0053		0.0020	mg/L	6010C
Calcium		34.3		0.50	mg/L	6010C
Chromium		0.11		0.0040	mg/L	6010C
Cobalt		0.0015	J	0.0040	mg/L	6010C
Copper		0.060		0.010	mg/L	6010C
Iron		40.9		0.050	mg/L	6010C
Lead		0.054		0.010	mg/L	6010C
Magnesium		10.0		0.20	mg/L	6010C
Manganese		0.96	B	0.0030	mg/L	6010C
Nickel		0.013		0.010	mg/L	6010C
Potassium		3.8		0.50	mg/L	6010C
Silver		0.0035	J	0.0060	mg/L	6010C
Sodium		15.3		1.0	mg/L	6010C
Vanadium		0.063		0.0050	mg/L	6010C
Zinc		0.062	B	0.010	mg/L	6010C
Mercury		0.00020		0.00020	mg/L	7470A
Cyanide, Total		0.0059	J B	0.010	mg/L	335.4

METHOD SUMMARY

Client: Sterling Environmental Engineering PC

Job Number: 480-55783-1

Description	Lab Location	Method	Preparation Method
Matrix: Water			
Volatile Organic Compounds by GC/MS	TAL BUF	SW846 8260C	
Purge and Trap	TAL BUF		SW846 5030C
Semivolatile Organic Compounds (GC/MS)	TAL BUF	SW846 8270D	
Liquid-Liquid Extraction (Separatory Funnel)	TAL BUF		SW846 3510C
Organochlorine Pesticides (GC)	TAL BUF	SW846 8081B	
Liquid-Liquid Extraction (Separatory Funnel)	TAL BUF		SW846 3510C
Polychlorinated Biphenyls (PCBs) by Gas Chromatography	TAL BUF	SW846 8082A	
Liquid-Liquid Extraction (Separatory Funnel)	TAL BUF		SW846 3510C
Herbicides (GC)	TAL BUF	SW846 8151A	
Extraction (Herbicides)	TAL BUF		SW846 8151A
Metals (ICP)	TAL BUF	SW846 6010C	
Preparation, Total Metals	TAL BUF		SW846 3005A
Mercury (CVAA)	TAL BUF	SW846 7470A	
Preparation, Mercury	TAL BUF		SW846 7470A
Cyanide, Total	TAL BUF	MCAWW 335.4	
Distillation, Cyanide	TAL BUF		Distill/CN

Lab References:

TAL BUF = TestAmerica Buffalo

Method References:

MCAWW = "Methods For Chemical Analysis Of Water And Wastes", EPA-600/4-79-020, March 1983 And Subsequent Revisions.

SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.

METHOD / ANALYST SUMMARY

Client: Sterling Environmental Engineering PC

Job Number: 480-55783-1

Method	Analyst	Analyst ID
SW846 8260C	Dias, Nicole M	NMD1
SW846 8260C	Nguyen-Dudziak, Nhu Quynh	NQN
SW846 8270D	McKernan, Ryan M	RMM
SW846 8081B	Wolf, Leah M	LMW
SW846 8082A	Michalek, Jason M	JMM
SW846 8151A	Besco, Donna G	DGB
SW846 6010C	Hanks, Lisa M	LMH
SW846 7470A	Kacalski, Jason R	JRK
MCAWW 335.4	Hacic, Nicole C	NCH

Client: Sterling Environmental Engineering PC

Job Number: 480-55783-1

Client Sample ID: **MW-P**

Lab Sample ID: 480-55783-1
Client Matrix: Water

Date Sampled: 03/10/2014 1405
Date Received: 03/11/2014 1058

8260C Volatile Organic Compounds by GC/MS

Analysis Method:	8260C	Analysis Batch:	480-169643	Instrument ID:	HP5975D
Prep Method:	5030C	Prep Batch:	N/A	Lab File ID:	D9962.D
Dilution:	1.0			Initial Weight/Volume:	5 mL
Analysis Date:	03/12/2014 0444			Final Weight/Volume:	5 mL
Prep Date:	03/12/2014 0444				

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-Trichloro-1,2,2-trifluoroethane	ND		0.31	1.0
1,1,2-Trichloroethane	ND		0.23	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-Butanone (MEK)	ND		1.3	10
2-Hexanone	ND		1.2	5.0
4-Methyl-2-pentanone (MIBK)	ND		2.1	5.0
Acetone	3.2	J	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	0.30	J	0.19	1.0
Carbon tetrachloride	ND		0.27	1.0
Chlorobenzene	ND		0.75	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
Dibromochloromethane	ND		0.32	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	2.5
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: Sterling Environmental Engineering PC

Job Number: 480-55783-1

Client Sample ID: **MW-P**

Lab Sample ID: 480-55783-1
Client Matrix: Water

Date Sampled: 03/10/2014 1405
Date Received: 03/11/2014 1058

8260C Volatile Organic Compounds by GC/MS

Analysis Method:	8260C	Analysis Batch:	480-169643	Instrument ID:	HP5975D
Prep Method:	5030C	Prep Batch:	N/A	Lab File ID:	D9962.D
Dilution:	1.0			Initial Weight/Volume:	5 mL
Analysis Date:	03/12/2014 0444			Final Weight/Volume:	5 mL
Prep Date:	03/12/2014 0444				

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)	106		66 - 137
4-Bromofluorobenzene (Surr)	96		73 - 120
Toluene-d8 (Surr)	103		71 - 126
Dibromofluoromethane (Surr)	105		60 - 140

Client: Sterling Environmental Engineering PC

Job Number: 480-55783-1

Client Sample ID: **MW-3**

Lab Sample ID: 480-55783-2
Client Matrix: Water

Date Sampled: 03/10/2014 1500
Date Received: 03/11/2014 1058

8260C Volatile Organic Compounds by GC/MS

Analysis Method:	8260C	Analysis Batch:	480-169643	Instrument ID:	HP5975D
Prep Method:	5030C	Prep Batch:	N/A	Lab File ID:	D9963.D
Dilution:	1.0			Initial Weight/Volume:	5 mL
Analysis Date:	03/12/2014 0505			Final Weight/Volume:	5 mL
Prep Date:	03/12/2014 0505				

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-Trichloro-1,2,2-trifluoroethane	ND		0.31	1.0
1,1,2-Trichloroethane	ND		0.23	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-Butanone (MEK)	ND		1.3	10
2-Hexanone	ND		1.2	5.0
4-Methyl-2-pentanone (MIBK)	ND		2.1	5.0
Acetone	68		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
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
Dibromochloromethane	ND		0.32	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	2.5
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: Sterling Environmental Engineering PC

Job Number: 480-55783-1

Client Sample ID: **MW-3**

Lab Sample ID: 480-55783-2
Client Matrix: Water

Date Sampled: 03/10/2014 1500
Date Received: 03/11/2014 1058

8260C Volatile Organic Compounds by GC/MS

Analysis Method:	8260C	Analysis Batch:	480-169643	Instrument ID:	HP5975D
Prep Method:	5030C	Prep Batch:	N/A	Lab File ID:	D9963.D
Dilution:	1.0			Initial Weight/Volume:	5 mL
Analysis Date:	03/12/2014 0505			Final Weight/Volume:	5 mL
Prep Date:	03/12/2014 0505				

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)	106		66 - 137
4-Bromofluorobenzene (Surr)	96		73 - 120
Toluene-d8 (Surr)	102		71 - 126
Dibromofluoromethane (Surr)	103		60 - 140

Client: Sterling Environmental Engineering PC

Job Number: 480-55783-1

Client Sample ID: **MW-1**

Lab Sample ID: 480-55880-1
Client Matrix: Water

Date Sampled: 03/11/2014 1520
Date Received: 03/12/2014 0900

8260C Volatile Organic Compounds by GC/MS

Analysis Method:	8260C	Analysis Batch:	480-169830	Instrument ID:	HP5973S
Prep Method:	5030C	Prep Batch:	N/A	Lab File ID:	S35886.D
Dilution:	1.0			Initial Weight/Volume:	5 mL
Analysis Date:	03/13/2014 1700			Final Weight/Volume:	5 mL
Prep Date:	03/13/2014 1700				

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-Trichloro-1,2,2-trifluoroethane	ND		0.31	1.0
1,1,2-Trichloroethane	ND		0.23	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-Butanone (MEK)	ND		1.3	10
2-Hexanone	ND		1.2	5.0
4-Methyl-2-pentanone (MIBK)	ND		2.1	5.0
Acetone	4.5	J	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
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
Dibromochloromethane	ND		0.32	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	2.5
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: Sterling Environmental Engineering PC

Job Number: 480-55783-1

Client Sample ID: **MW-1**

Lab Sample ID: 480-55880-1
Client Matrix: Water

Date Sampled: 03/11/2014 1520
Date Received: 03/12/2014 0900

8260C Volatile Organic Compounds by GC/MS

Analysis Method:	8260C	Analysis Batch:	480-169830	Instrument ID:	HP5973S
Prep Method:	5030C	Prep Batch:	N/A	Lab File ID:	S35886.D
Dilution:	1.0			Initial Weight/Volume:	5 mL
Analysis Date:	03/13/2014 1700			Final Weight/Volume:	5 mL
Prep Date:	03/13/2014 1700				

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)	103		66 - 137
4-Bromofluorobenzene (Surr)	97		73 - 120
Toluene-d8 (Surr)	102		71 - 126
Dibromofluoromethane (Surr)	106		60 - 140

Client: Sterling Environmental Engineering PC

Job Number: 480-55783-1

Client Sample ID: **MW-4**

Lab Sample ID: 480-55880-2
Client Matrix: Water

Date Sampled: 03/11/2014 1435
Date Received: 03/12/2014 0900

8260C Volatile Organic Compounds by GC/MS

Analysis Method:	8260C	Analysis Batch:	480-169830	Instrument ID:	HP5973S
Prep Method:	5030C	Prep Batch:	N/A	Lab File ID:	S35887.D
Dilution:	1.0			Initial Weight/Volume:	5 mL
Analysis Date:	03/13/2014 1721			Final Weight/Volume:	5 mL
Prep Date:	03/13/2014 1721				

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-Trichloro-1,2,2-trifluoroethane	ND		0.31	1.0
1,1,2-Trichloroethane	ND		0.23	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-Butanone (MEK)	ND		1.3	10
2-Hexanone	ND		1.2	5.0
4-Methyl-2-pentanone (MIBK)	ND		2.1	5.0
Acetone	7.6	J	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
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
Dibromochloromethane	ND		0.32	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	2.5
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: Sterling Environmental Engineering PC

Job Number: 480-55783-1

Client Sample ID: **MW-4**

Lab Sample ID: 480-55880-2
Client Matrix: Water

Date Sampled: 03/11/2014 1435
Date Received: 03/12/2014 0900

8260C Volatile Organic Compounds by GC/MS

Analysis Method:	8260C	Analysis Batch:	480-169830	Instrument ID:	HP5973S
Prep Method:	5030C	Prep Batch:	N/A	Lab File ID:	S35887.D
Dilution:	1.0			Initial Weight/Volume:	5 mL
Analysis Date:	03/13/2014 1721			Final Weight/Volume:	5 mL
Prep Date:	03/13/2014 1721				

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)	105		66 - 137
4-Bromofluorobenzene (Surr)	100		73 - 120
Toluene-d8 (Surr)	102		71 - 126
Dibromofluoromethane (Surr)	109		60 - 140

Client: Sterling Environmental Engineering PC

Job Number: 480-55783-1

Client Sample ID: **MW-5**

Lab Sample ID: 480-55880-3
Client Matrix: Water

Date Sampled: 03/11/2014 1350
Date Received: 03/12/2014 0900

8260C Volatile Organic Compounds by GC/MS

Analysis Method:	8260C	Analysis Batch:	480-169830	Instrument ID:	HP5973S
Prep Method:	5030C	Prep Batch:	N/A	Lab File ID:	S35888.D
Dilution:	1.0			Initial Weight/Volume:	5 mL
Analysis Date:	03/13/2014 1742			Final Weight/Volume:	5 mL
Prep Date:	03/13/2014 1742				

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-Trichloro-1,2,2-trifluoroethane	ND		0.31	1.0
1,1,2-Trichloroethane	ND		0.23	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-Butanone (MEK)	ND		1.3	10
2-Hexanone	ND		1.2	5.0
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
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
Dibromochloromethane	ND		0.32	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	2.5
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: Sterling Environmental Engineering PC

Job Number: 480-55783-1

Client Sample ID: **MW-5**

Lab Sample ID: 480-55880-3
Client Matrix: Water

Date Sampled: 03/11/2014 1350
Date Received: 03/12/2014 0900

8260C Volatile Organic Compounds by GC/MS

Analysis Method:	8260C	Analysis Batch:	480-169830	Instrument ID:	HP5973S
Prep Method:	5030C	Prep Batch:	N/A	Lab File ID:	S35888.D
Dilution:	1.0			Initial Weight/Volume:	5 mL
Analysis Date:	03/13/2014 1742			Final Weight/Volume:	5 mL
Prep Date:	03/13/2014 1742				

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)	106		66 - 137
4-Bromofluorobenzene (Surr)	96		73 - 120
Toluene-d8 (Surr)	100		71 - 126
Dibromofluoromethane (Surr)	107		60 - 140

Client: Sterling Environmental Engineering PC

Job Number: 480-55783-1

Client Sample ID: **MW-P**

Lab Sample ID: 480-55783-1
Client Matrix: Water

Date Sampled: 03/10/2014 1405
Date Received: 03/11/2014 1058

8270D Semivolatile Organic Compounds (GC/MS)

Analysis Method:	8270D	Analysis Batch:	480-170376	Instrument ID:	HP5973W
Prep Method:	3510C	Prep Batch:	480-169810	Lab File ID:	W05000.D
Dilution:	1.0			Initial Weight/Volume:	245.2 mL
Analysis Date:	03/17/2014 2340			Final Weight/Volume:	1 mL
Prep Date:	03/13/2014 0653			Injection Volume:	5 uL

Analyte	Result (ug/L)	Qualifier	MDL	RL
2,4,5-Trichlorophenol	ND		0.49	5.1
2,4,6-Trichlorophenol	ND		0.62	5.1
2,4-Dichlorophenol	ND		0.52	5.1
2,4-Dimethylphenol	ND		0.51	5.1
2,4-Dinitrophenol	ND		2.3	10
2,4-Dinitrotoluene	ND		0.46	5.1
2,6-Dinitrotoluene	ND		0.41	5.1
2-Chloronaphthalene	ND		0.47	5.1
2-Chlorophenol	ND		0.54	5.1
2-Methylnaphthalene	ND		0.61	5.1
2-Methylphenol	ND		0.41	5.1
2-Nitroaniline	ND		0.43	10
2-Nitrophenol	ND		0.49	5.1
3,3'-Dichlorobenzidine	ND		0.41	5.1
3-Nitroaniline	ND		0.49	10
4,6-Dinitro-2-methylphenol	ND		2.2	10
4-Bromophenyl phenyl ether	ND		0.46	5.1
4-Chloro-3-methylphenol	ND		0.46	5.1
4-Chloroaniline	ND		0.60	5.1
4-Chlorophenyl phenyl ether	ND		0.36	5.1
4-Methylphenol	ND		0.37	10
4-Nitroaniline	ND		0.25	10
4-Nitrophenol	ND		1.5	10
Acenaphthene	ND		0.42	5.1
Acenaphthylene	ND		0.39	5.1
Acetophenone	ND		0.55	5.1
Anthracene	ND		0.29	5.1
Atrazine	ND		0.47	5.1
Benzaldehyde	0.28	J	0.27	5.1
Benzo[a]anthracene	ND		0.37	5.1
Benzo[a]pyrene	ND		0.48	5.1
Benzo[b]fluoranthene	ND		0.35	5.1
Benzo[g,h,i]perylene	ND		0.36	5.1
Benzo[k]fluoranthene	ND		0.74	5.1
Biphenyl	ND		0.67	5.1
bis (2-chloroisopropyl) ether	ND		0.53	5.1
Bis(2-chloroethoxy)methane	ND		0.36	5.1
Bis(2-chloroethyl)ether	ND		0.41	5.1
Bis(2-ethylhexyl) phthalate	ND		1.8	5.1
Butyl benzyl phthalate	ND		0.43	5.1
Caprolactam	5.1		2.2	5.1
Carbazole	ND		0.31	5.1
Chrysene	ND		0.34	5.1
Dibenz(a,h)anthracene	ND		0.43	5.1
Dibenzofuran	ND		0.52	10
Diethyl phthalate	ND		0.22	5.1

Client: Sterling Environmental Engineering PC

Job Number: 480-55783-1

Client Sample ID: **MW-P**

Lab Sample ID: 480-55783-1
Client Matrix: Water

Date Sampled: 03/10/2014 1405
Date Received: 03/11/2014 1058

8270D Semivolatile Organic Compounds (GC/MS)

Analysis Method:	8270D	Analysis Batch:	480-170376	Instrument ID:	HP5973W
Prep Method:	3510C	Prep Batch:	480-169810	Lab File ID:	W05000.D
Dilution:	1.0			Initial Weight/Volume:	245.2 mL
Analysis Date:	03/17/2014 2340			Final Weight/Volume:	1 mL
Prep Date:	03/13/2014 0653			Injection Volume:	5 uL

Analyte	Result (ug/L)	Qualifier	MDL	RL
Dimethyl phthalate	ND		0.37	5.1
Di-n-butyl phthalate	ND		0.32	5.1
Di-n-octyl phthalate	ND		0.48	5.1
Fluoranthene	ND		0.41	5.1
Fluorene	ND		0.37	5.1
Hexachlorobenzene	ND		0.52	5.1
Hexachlorobutadiene	ND		0.69	5.1
Hexachlorocyclopentadiene	ND		0.60	5.1
Hexachloroethane	ND		0.60	5.1
Indeno[1,2,3-cd]pyrene	ND		0.48	5.1
Isophorone	ND		0.44	5.1
Naphthalene	ND		0.77	5.1
Nitrobenzene	ND		0.30	5.1
N-Nitrosodi-n-propylamine	ND		0.55	5.1
N-Nitrosodiphenylamine	ND		0.52	5.1
Pentachlorophenol	ND		2.2	10
Phenanthrene	ND		0.45	5.1
Phenol	ND		0.40	5.1
Pyrene	ND		0.35	5.1

Surrogate	%Rec	Qualifier	Acceptance Limits
2,4,6-Tribromophenol (Surr)	80		52 - 132
2-Fluorophenol (Surr)	65		20 - 120
Nitrobenzene-d5 (Surr)	83		46 - 120
Phenol-d5 (Surr)	50		16 - 120
p-Terphenyl-d14 (Surr)	97		67 - 150
2-Fluorobiphenyl	88		48 - 120

Client: Sterling Environmental Engineering PC

Job Number: 480-55783-1

Client Sample ID: **MW-3**

Lab Sample ID: 480-55783-2
Client Matrix: Water

Date Sampled: 03/10/2014 1500
Date Received: 03/11/2014 1058

8270D Semivolatile Organic Compounds (GC/MS)

Analysis Method:	8270D	Analysis Batch:	480-170376	Instrument ID:	HP5973W
Prep Method:	3510C	Prep Batch:	480-169810	Lab File ID:	W05001.D
Dilution:	1.0			Initial Weight/Volume:	269 mL
Analysis Date:	03/18/2014 0004			Final Weight/Volume:	1 mL
Prep Date:	03/13/2014 0653			Injection Volume:	5 uL

Analyte	Result (ug/L)	Qualifier	MDL	RL
2,4,5-Trichlorophenol	ND		0.45	4.6
2,4,6-Trichlorophenol	ND		0.57	4.6
2,4-Dichlorophenol	ND		0.47	4.6
2,4-Dimethylphenol	ND		0.46	4.6
2,4-Dinitrophenol	ND		2.1	9.3
2,4-Dinitrotoluene	ND		0.42	4.6
2,6-Dinitrotoluene	ND		0.37	4.6
2-Chloronaphthalene	ND		0.43	4.6
2-Chlorophenol	ND		0.49	4.6
2-Methylnaphthalene	ND		0.56	4.6
2-Methylphenol	ND		0.37	4.6
2-Nitroaniline	ND		0.39	9.3
2-Nitrophenol	ND		0.45	4.6
3,3'-Dichlorobenzidine	ND		0.37	4.6
3-Nitroaniline	ND		0.45	9.3
4,6-Dinitro-2-methylphenol	ND		2.0	9.3
4-Bromophenyl phenyl ether	ND		0.42	4.6
4-Chloro-3-methylphenol	ND		0.42	4.6
4-Chloroaniline	ND		0.55	4.6
4-Chlorophenyl phenyl ether	ND		0.33	4.6
4-Methylphenol	ND		0.33	9.3
4-Nitroaniline	ND		0.23	9.3
4-Nitrophenol	ND		1.4	9.3
Acenaphthene	ND		0.38	4.6
Acenaphthylene	ND		0.35	4.6
Acetophenone	ND		0.50	4.6
Anthracene	ND		0.26	4.6
Atrazine	ND		0.43	4.6
Benzaldehyde	ND		0.25	4.6
Benzo[a]anthracene	ND		0.33	4.6
Benzo[a]pyrene	ND		0.44	4.6
Benzo[b]fluoranthene	ND		0.32	4.6
Benzo[g,h,i]perylene	ND		0.33	4.6
Benzo[k]fluoranthene	ND		0.68	4.6
Biphenyl	ND		0.61	4.6
bis (2-chloroisopropyl) ether	ND		0.48	4.6
Bis(2-chloroethoxy)methane	ND		0.33	4.6
Bis(2-chloroethyl)ether	ND		0.37	4.6
Bis(2-ethylhexyl) phthalate	ND		1.7	4.6
Butyl benzyl phthalate	ND		0.39	4.6
Caprolactam	ND		2.0	4.6
Carbazole	ND		0.28	4.6
Chrysene	ND		0.31	4.6
Dibenz(a,h)anthracene	ND		0.39	4.6
Dibenzofuran	ND		0.47	9.3
Diethyl phthalate	ND		0.20	4.6

Client: Sterling Environmental Engineering PC

Job Number: 480-55783-1

Client Sample ID: **MW-3**

Lab Sample ID: 480-55783-2
Client Matrix: Water

Date Sampled: 03/10/2014 1500
Date Received: 03/11/2014 1058

8270D Semivolatile Organic Compounds (GC/MS)

Analysis Method:	8270D	Analysis Batch:	480-170376	Instrument ID:	HP5973W
Prep Method:	3510C	Prep Batch:	480-169810	Lab File ID:	W05001.D
Dilution:	1.0			Initial Weight/Volume:	269 mL
Analysis Date:	03/18/2014 0004			Final Weight/Volume:	1 mL
Prep Date:	03/13/2014 0653			Injection Volume:	5 uL

Analyte	Result (ug/L)	Qualifier	MDL	RL
Dimethyl phthalate	ND		0.33	4.6
Di-n-butyl phthalate	ND		0.29	4.6
Di-n-octyl phthalate	ND		0.44	4.6
Fluoranthene	ND		0.37	4.6
Fluorene	ND		0.33	4.6
Hexachlorobenzene	ND		0.47	4.6
Hexachlorobutadiene	ND		0.63	4.6
Hexachlorocyclopentadiene	ND		0.55	4.6
Hexachloroethane	ND		0.55	4.6
Indeno[1,2,3-cd]pyrene	ND		0.44	4.6
Isophorone	ND		0.40	4.6
Naphthalene	ND		0.71	4.6
Nitrobenzene	ND		0.27	4.6
N-Nitrosodi-n-propylamine	ND		0.50	4.6
N-Nitrosodiphenylamine	ND		0.47	4.6
Pentachlorophenol	ND		2.0	9.3
Phenanthrene	ND		0.41	4.6
Phenol	ND		0.36	4.6
Pyrene	ND		0.32	4.6

Surrogate	%Rec	Qualifier	Acceptance Limits
2,4,6-Tribromophenol (Surr)	76		52 - 132
2-Fluorophenol (Surr)	51		20 - 120
Nitrobenzene-d5 (Surr)	92		46 - 120
Phenol-d5 (Surr)	42		16 - 120
p-Terphenyl-d14 (Surr)	88		67 - 150
2-Fluorobiphenyl	89		48 - 120

Client: Sterling Environmental Engineering PC

Job Number: 480-55783-1

Client Sample ID: **MW-1**

Lab Sample ID: 480-55880-1
Client Matrix: Water

Date Sampled: 03/11/2014 1520
Date Received: 03/12/2014 0900

8270D Semivolatile Organic Compounds (GC/MS)

Analysis Method:	8270D	Analysis Batch:	480-170376	Instrument ID:	HP5973W
Prep Method:	3510C	Prep Batch:	480-169810	Lab File ID:	W05006.D
Dilution:	1.0			Initial Weight/Volume:	253.7 mL
Analysis Date:	03/18/2014 0202			Final Weight/Volume:	1 mL
Prep Date:	03/13/2014 0653			Injection Volume:	5 uL

Analyte	Result (ug/L)	Qualifier	MDL	RL
2,4,5-Trichlorophenol	ND		0.47	4.9
2,4,6-Trichlorophenol	ND		0.60	4.9
2,4-Dichlorophenol	ND		0.50	4.9
2,4-Dimethylphenol	ND		0.49	4.9
2,4-Dinitrophenol	ND		2.2	9.9
2,4-Dinitrotoluene	ND		0.44	4.9
2,6-Dinitrotoluene	ND		0.39	4.9
2-Chloronaphthalene	ND		0.45	4.9
2-Chlorophenol	ND		0.52	4.9
2-Methylnaphthalene	ND		0.59	4.9
2-Methylphenol	ND		0.39	4.9
2-Nitroaniline	ND		0.41	9.9
2-Nitrophenol	ND		0.47	4.9
3,3'-Dichlorobenzidine	ND		0.39	4.9
3-Nitroaniline	ND		0.47	9.9
4,6-Dinitro-2-methylphenol	ND		2.2	9.9
4-Bromophenyl phenyl ether	ND		0.44	4.9
4-Chloro-3-methylphenol	ND		0.44	4.9
4-Chloroaniline	ND		0.58	4.9
4-Chlorophenyl phenyl ether	ND		0.34	4.9
4-Methylphenol	ND		0.35	9.9
4-Nitroaniline	ND		0.25	9.9
4-Nitrophenol	ND		1.5	9.9
Acenaphthene	ND		0.40	4.9
Acenaphthylene	ND		0.37	4.9
Acetophenone	ND		0.53	4.9
Anthracene	ND		0.28	4.9
Atrazine	ND		0.45	4.9
Benzaldehyde	ND		0.26	4.9
Benzo[a]anthracene	ND		0.35	4.9
Benzo[a]pyrene	ND		0.46	4.9
Benzo[b]fluoranthene	ND		0.34	4.9
Benzo[g,h,i]perylene	ND		0.34	4.9
Benzo[k]fluoranthene	ND		0.72	4.9
Biphenyl	ND		0.64	4.9
bis (2-chloroisopropyl) ether	ND		0.51	4.9
Bis(2-chloroethoxy)methane	ND		0.34	4.9
Bis(2-chloroethyl)ether	ND		0.39	4.9
Bis(2-ethylhexyl) phthalate	ND		1.8	4.9
Butyl benzyl phthalate	ND		0.41	4.9
Caprolactam	9.5		2.2	4.9
Carbazole	ND		0.30	4.9
Chrysene	ND		0.33	4.9
Dibenz(a,h)anthracene	ND		0.41	4.9
Dibenzofuran	ND		0.50	9.9
Diethyl phthalate	0.22	J	0.22	4.9

Client: Sterling Environmental Engineering PC

Job Number: 480-55783-1

Client Sample ID: **MW-1**

Lab Sample ID: 480-55880-1
Client Matrix: Water

Date Sampled: 03/11/2014 1520
Date Received: 03/12/2014 0900

8270D Semivolatile Organic Compounds (GC/MS)

Analysis Method:	8270D	Analysis Batch:	480-170376	Instrument ID:	HP5973W
Prep Method:	3510C	Prep Batch:	480-169810	Lab File ID:	W05006.D
Dilution:	1.0			Initial Weight/Volume:	253.7 mL
Analysis Date:	03/18/2014 0202			Final Weight/Volume:	1 mL
Prep Date:	03/13/2014 0653			Injection Volume:	5 uL

Analyte	Result (ug/L)	Qualifier	MDL	RL
Dimethyl phthalate	ND		0.35	4.9
Di-n-butyl phthalate	ND		0.31	4.9
Di-n-octyl phthalate	ND		0.46	4.9
Fluoranthene	ND		0.39	4.9
Fluorene	ND		0.35	4.9
Hexachlorobenzene	ND		0.50	4.9
Hexachlorobutadiene	ND		0.67	4.9
Hexachlorocyclopentadiene	ND		0.58	4.9
Hexachloroethane	ND		0.58	4.9
Indeno[1,2,3-cd]pyrene	ND		0.46	4.9
Isophorone	ND		0.42	4.9
Naphthalene	ND		0.75	4.9
Nitrobenzene	ND		0.29	4.9
N-Nitrosodi-n-propylamine	ND		0.53	4.9
N-Nitrosodiphenylamine	ND		0.50	4.9
Pentachlorophenol	ND		2.2	9.9
Phenanthrene	ND		0.43	4.9
Phenol	ND		0.38	4.9
Pyrene	ND		0.34	4.9

Surrogate	%Rec	Qualifier	Acceptance Limits
2,4,6-Tribromophenol (Surr)	90		52 - 132
2-Fluorophenol (Surr)	62		20 - 120
Nitrobenzene-d5 (Surr)	91		46 - 120
Phenol-d5 (Surr)	48		16 - 120
p-Terphenyl-d14 (Surr)	110		67 - 150
2-Fluorobiphenyl	76		48 - 120

Client: Sterling Environmental Engineering PC

Job Number: 480-55783-1

Client Sample ID: **MW-4**

Lab Sample ID: 480-55880-2
Client Matrix: Water

Date Sampled: 03/11/2014 1435
Date Received: 03/12/2014 0900

8270D Semivolatile Organic Compounds (GC/MS)

Analysis Method:	8270D	Analysis Batch:	480-170376	Instrument ID:	HP5973W
Prep Method:	3510C	Prep Batch:	480-169810	Lab File ID:	W05008.D
Dilution:	1.0			Initial Weight/Volume:	255.5 mL
Analysis Date:	03/18/2014 0250			Final Weight/Volume:	1 mL
Prep Date:	03/13/2014 0653			Injection Volume:	5 uL

Analyte	Result (ug/L)	Qualifier	MDL	RL
2,4,5-Trichlorophenol	ND		0.47	4.9
2,4,6-Trichlorophenol	ND		0.60	4.9
2,4-Dichlorophenol	ND		0.50	4.9
2,4-Dimethylphenol	ND		0.49	4.9
2,4-Dinitrophenol	ND		2.2	9.8
2,4-Dinitrotoluene	ND		0.44	4.9
2,6-Dinitrotoluene	ND		0.39	4.9
2-Chloronaphthalene	ND		0.45	4.9
2-Chlorophenol	ND		0.52	4.9
2-Methylnaphthalene	ND		0.59	4.9
2-Methylphenol	ND		0.39	4.9
2-Nitroaniline	ND		0.41	9.8
2-Nitrophenol	ND		0.47	4.9
3,3'-Dichlorobenzidine	ND		0.39	4.9
3-Nitroaniline	ND		0.47	9.8
4,6-Dinitro-2-methylphenol	ND		2.2	9.8
4-Bromophenyl phenyl ether	ND		0.44	4.9
4-Chloro-3-methylphenol	ND		0.44	4.9
4-Chloroaniline	ND		0.58	4.9
4-Chlorophenyl phenyl ether	ND		0.34	4.9
4-Methylphenol	ND		0.35	9.8
4-Nitroaniline	ND		0.24	9.8
4-Nitrophenol	ND		1.5	9.8
Acenaphthene	ND		0.40	4.9
Acenaphthylene	ND		0.37	4.9
Acetophenone	ND		0.53	4.9
Anthracene	ND		0.27	4.9
Atrazine	ND		0.45	4.9
Benzaldehyde	ND		0.26	4.9
Benzo[a]anthracene	ND		0.35	4.9
Benzo[a]pyrene	ND		0.46	4.9
Benzo[b]fluoranthene	ND		0.33	4.9
Benzo[g,h,i]perylene	ND		0.34	4.9
Benzo[k]fluoranthene	ND		0.71	4.9
Biphenyl	ND		0.64	4.9
bis (2-chloroisopropyl) ether	ND		0.51	4.9
Bis(2-chloroethoxy)methane	ND		0.34	4.9
Bis(2-chloroethyl)ether	ND		0.39	4.9
Bis(2-ethylhexyl) phthalate	ND		1.8	4.9
Butyl benzyl phthalate	ND		0.41	4.9
Caprolactam	8.1		2.2	4.9
Carbazole	ND		0.29	4.9
Chrysene	ND		0.32	4.9
Dibenz(a,h)anthracene	ND		0.41	4.9
Dibenzofuran	ND		0.50	9.8
Diethyl phthalate	0.43	J	0.22	4.9

Client: Sterling Environmental Engineering PC

Job Number: 480-55783-1

Client Sample ID: **MW-4**

Lab Sample ID: 480-55880-2
Client Matrix: Water

Date Sampled: 03/11/2014 1435
Date Received: 03/12/2014 0900

8270D Semivolatile Organic Compounds (GC/MS)

Analysis Method:	8270D	Analysis Batch:	480-170376	Instrument ID:	HP5973W
Prep Method:	3510C	Prep Batch:	480-169810	Lab File ID:	W05008.D
Dilution:	1.0			Initial Weight/Volume:	255.5 mL
Analysis Date:	03/18/2014 0250			Final Weight/Volume:	1 mL
Prep Date:	03/13/2014 0653			Injection Volume:	5 uL

Analyte	Result (ug/L)	Qualifier	MDL	RL
Dimethyl phthalate	ND		0.35	4.9
Di-n-butyl phthalate	0.30	J	0.30	4.9
Di-n-octyl phthalate	ND		0.46	4.9
Fluoranthene	ND		0.39	4.9
Fluorene	ND		0.35	4.9
Hexachlorobenzene	ND		0.50	4.9
Hexachlorobutadiene	ND		0.67	4.9
Hexachlorocyclopentadiene	ND		0.58	4.9
Hexachloroethane	ND		0.58	4.9
Indeno[1,2,3-cd]pyrene	ND		0.46	4.9
Isophorone	ND		0.42	4.9
Naphthalene	ND		0.74	4.9
Nitrobenzene	ND		0.28	4.9
N-Nitrosodi-n-propylamine	ND		0.53	4.9
N-Nitrosodiphenylamine	ND		0.50	4.9
Pentachlorophenol	ND		2.2	9.8
Phenanthrene	ND		0.43	4.9
Phenol	ND		0.38	4.9
Pyrene	ND		0.33	4.9

Surrogate	%Rec	Qualifier	Acceptance Limits
2,4,6-Tribromophenol (Surr)	100		52 - 132
2-Fluorophenol (Surr)	64		20 - 120
Nitrobenzene-d5 (Surr)	90		46 - 120
Phenol-d5 (Surr)	52		16 - 120
p-Terphenyl-d14 (Surr)	80		67 - 150
2-Fluorobiphenyl	89		48 - 120

Client: Sterling Environmental Engineering PC

Job Number: 480-55783-1

Client Sample ID: **MW-5**

Lab Sample ID: 480-55880-3
Client Matrix: Water

Date Sampled: 03/11/2014 1350
Date Received: 03/12/2014 0900

8270D Semivolatile Organic Compounds (GC/MS)

Analysis Method:	8270D	Analysis Batch:	480-170376	Instrument ID:	HP5973W
Prep Method:	3510C	Prep Batch:	480-169810	Lab File ID:	W05007.D
Dilution:	1.0			Initial Weight/Volume:	253.4 mL
Analysis Date:	03/18/2014 0226			Final Weight/Volume:	1 mL
Prep Date:	03/13/2014 0653			Injection Volume:	5 uL

Analyte	Result (ug/L)	Qualifier	MDL	RL
2,4,5-Trichlorophenol	ND		0.47	4.9
2,4,6-Trichlorophenol	ND		0.60	4.9
2,4-Dichlorophenol	ND		0.50	4.9
2,4-Dimethylphenol	ND		0.49	4.9
2,4-Dinitrophenol	ND		2.2	9.9
2,4-Dinitrotoluene	ND		0.44	4.9
2,6-Dinitrotoluene	ND		0.39	4.9
2-Chloronaphthalene	ND		0.45	4.9
2-Chlorophenol	ND		0.52	4.9
2-Methylnaphthalene	ND		0.59	4.9
2-Methylphenol	ND		0.39	4.9
2-Nitroaniline	ND		0.41	9.9
2-Nitrophenol	ND		0.47	4.9
3,3'-Dichlorobenzidine	ND	*	0.39	4.9
3-Nitroaniline	ND		0.47	9.9
4,6-Dinitro-2-methylphenol	ND	*	2.2	9.9
4-Bromophenyl phenyl ether	ND	*	0.44	4.9
4-Chloro-3-methylphenol	ND		0.44	4.9
4-Chloroaniline	ND		0.58	4.9
4-Chlorophenyl phenyl ether	ND		0.35	4.9
4-Methylphenol	ND		0.36	9.9
4-Nitroaniline	ND		0.25	9.9
4-Nitrophenol	ND		1.5	9.9
Acenaphthene	ND		0.40	4.9
Acenaphthylene	ND		0.37	4.9
Acetophenone	ND		0.53	4.9
Anthracene	ND	*	0.28	4.9
Atrazine	ND		0.45	4.9
Benzaldehyde	ND		0.26	4.9
Benzo[a]anthracene	ND	*	0.36	4.9
Benzo[a]pyrene	ND	*	0.46	4.9
Benzo[b]fluoranthene	ND	*	0.34	4.9
Benzo[g,h,i]perylene	ND	*	0.35	4.9
Benzo[k]fluoranthene	ND	*	0.72	4.9
Biphenyl	ND		0.64	4.9
bis (2-chloroisopropyl) ether	ND		0.51	4.9
Bis(2-chloroethoxy)methane	ND		0.35	4.9
Bis(2-chloroethyl)ether	ND		0.39	4.9
Bis(2-ethylhexyl) phthalate	ND	*	1.8	4.9
Butyl benzyl phthalate	ND	*	0.41	4.9
Caprolactam	59		2.2	4.9
Carbazole	ND	*	0.30	4.9
Chrysene	ND	*	0.33	4.9
Dibenz(a,h)anthracene	ND	*	0.41	4.9
Dibenzofuran	ND		0.50	9.9
Diethyl phthalate	0.84	J	0.22	4.9

Client: Sterling Environmental Engineering PC

Job Number: 480-55783-1

Client Sample ID: **MW-5**

Lab Sample ID: 480-55880-3
Client Matrix: Water

Date Sampled: 03/11/2014 1350
Date Received: 03/12/2014 0900

8270D Semivolatile Organic Compounds (GC/MS)

Analysis Method:	8270D	Analysis Batch:	480-170376	Instrument ID:	HP5973W
Prep Method:	3510C	Prep Batch:	480-169810	Lab File ID:	W05007.D
Dilution:	1.0			Initial Weight/Volume:	253.4 mL
Analysis Date:	03/18/2014 0226			Final Weight/Volume:	1 mL
Prep Date:	03/13/2014 0653			Injection Volume:	5 uL

Analyte	Result (ug/L)	Qualifier	MDL	RL
Dimethyl phthalate	ND		0.36	4.9
Di-n-butyl phthalate	ND	*	0.31	4.9
Di-n-octyl phthalate	ND	*	0.46	4.9
Fluoranthene	ND	*	0.39	4.9
Fluorene	ND		0.36	4.9
Hexachlorobenzene	ND	*	0.50	4.9
Hexachlorobutadiene	ND		0.67	4.9
Hexachlorocyclopentadiene	ND		0.58	4.9
Hexachloroethane	ND		0.58	4.9
Indeno[1,2,3-cd]pyrene	ND	*	0.46	4.9
Isophorone	ND		0.42	4.9
Naphthalene	ND		0.75	4.9
Nitrobenzene	ND		0.29	4.9
N-Nitrosodi-n-propylamine	ND		0.53	4.9
N-Nitrosodiphenylamine	ND	*	0.50	4.9
Pentachlorophenol	ND	*	2.2	9.9
Phenanthrene	ND	*	0.43	4.9
Phenol	ND		0.38	4.9
Pyrene	ND	*	0.34	4.9

Surrogate	%Rec	Qualifier	Acceptance Limits
2,4,6-Tribromophenol (Surr)	111	*	52 - 132
2-Fluorophenol (Surr)	59		20 - 120
Nitrobenzene-d5 (Surr)	91		46 - 120
Phenol-d5 (Surr)	49		16 - 120
p-Terphenyl-d14 (Surr)	92	*	67 - 150
2-Fluorobiphenyl	93		48 - 120

Client: Sterling Environmental Engineering PC

Job Number: 480-55783-1

Client Sample ID: **MW-P**

Lab Sample ID: 480-55783-1
Client Matrix: Water

Date Sampled: 03/10/2014 1405
Date Received: 03/11/2014 1058

8081B Organochlorine Pesticides (GC)

Analysis Method:	8081B	Analysis Batch:	480-170073	Instrument ID:	HP6890-6
Prep Method:	3510C	Prep Batch:	480-169831	Initial Weight/Volume:	253.1 mL
Dilution:	1.0			Final Weight/Volume:	2 mL
Analysis Date:	03/14/2014 1516			Injection Volume:	1 uL
Prep Date:	03/13/2014 0850			Result Type:	PRIMARY

Analyte	Result (ug/L)	Qualifier	MDL	RL
4,4'-DDD	ND		0.0091	0.049
4,4'-DDE	ND		0.011	0.049
4,4'-DDT	0.019	J	0.011	0.049
Aldrin	ND		0.0065	0.049
alpha-BHC	ND		0.0065	0.049
alpha-Chlordane	ND		0.015	0.049
beta-BHC	ND		0.024	0.049
delta-BHC	0.013	J	0.0099	0.049
Dieldrin	ND		0.0097	0.049
Endosulfan I	ND		0.011	0.049
Endosulfan II	ND		0.012	0.049
Endosulfan sulfate	ND		0.016	0.049
Endrin	ND		0.014	0.049
Endrin aldehyde	ND		0.016	0.049
Endrin ketone	ND		0.012	0.049
gamma-BHC (Lindane)	ND		0.0059	0.049
gamma-Chlordane	ND		0.011	0.049
Heptachlor	ND		0.0084	0.049
Heptachlor epoxide	ND		0.0052	0.049
Methoxychlor	ND		0.014	0.049
Toxaphene	ND		0.12	0.49

Surrogate	%Rec	Qualifier	Acceptance Limits
DCB Decachlorobiphenyl	35		20 - 120
Tetrachloro-m-xylene	79		36 - 120

Client: Sterling Environmental Engineering PC

Job Number: 480-55783-1

Client Sample ID: **MW-3**

Lab Sample ID: 480-55783-2
Client Matrix: Water

Date Sampled: 03/10/2014 1500
Date Received: 03/11/2014 1058

8081B Organochlorine Pesticides (GC)

Analysis Method:	8081B	Analysis Batch:	480-170073	Instrument ID:	HP6890-6
Prep Method:	3510C	Prep Batch:	480-169831	Initial Weight/Volume:	257.6 mL
Dilution:	1.0			Final Weight/Volume:	2 mL
Analysis Date:	03/14/2014 1534			Injection Volume:	1 uL
Prep Date:	03/13/2014 0850			Result Type:	PRIMARY

Analyte	Result (ug/L)	Qualifier	MDL	RL
4,4'-DDD	ND		0.0089	0.049
4,4'-DDE	ND		0.011	0.049
4,4'-DDT	0.027	J	0.011	0.049
Aldrin	ND		0.0064	0.049
alpha-BHC	ND		0.0064	0.049
alpha-Chlordane	ND		0.014	0.049
beta-BHC	ND		0.024	0.049
delta-BHC	0.010	J	0.0097	0.049
Dieldrin	ND		0.0095	0.049
Endosulfan I	ND		0.011	0.049
Endosulfan II	ND		0.012	0.049
Endosulfan sulfate	ND		0.015	0.049
Endrin	ND		0.013	0.049
Endrin aldehyde	ND		0.016	0.049
Endrin ketone	ND		0.012	0.049
gamma-BHC (Lindane)	ND		0.0058	0.049
gamma-Chlordane	0.012	J	0.011	0.049
Heptachlor	ND		0.0082	0.049
Heptachlor epoxide	ND		0.0051	0.049
Methoxychlor	ND		0.014	0.049
Toxaphene	ND		0.12	0.49

Surrogate	%Rec	Qualifier	Acceptance Limits
DCB Decachlorobiphenyl	61		20 - 120
Tetrachloro-m-xylene	72		36 - 120

Client: Sterling Environmental Engineering PC

Job Number: 480-55783-1

Client Sample ID: **MW-1**

Lab Sample ID: 480-55880-1
Client Matrix: Water

Date Sampled: 03/11/2014 1520
Date Received: 03/12/2014 0900

8081B Organochlorine Pesticides (GC)

Analysis Method:	8081B	Analysis Batch:	480-170073	Instrument ID:	HP6890-6
Prep Method:	3510C	Prep Batch:	480-169831	Initial Weight/Volume:	250 mL
Dilution:	5.0			Final Weight/Volume:	2 mL
Analysis Date:	03/14/2014 1609			Injection Volume:	1 uL
Prep Date:	03/13/2014 0850			Result Type:	PRIMARY

Analyte	Result (ug/L)	Qualifier	MDL	RL
4,4'-DDD	ND		0.046	0.25
4,4'-DDE	ND		0.058	0.25
4,4'-DDT	ND		0.055	0.25
Aldrin	ND		0.033	0.25
alpha-BHC	ND		0.033	0.25
alpha-Chlordane	ND		0.074	0.25
beta-BHC	ND		0.12	0.25
delta-BHC	ND		0.050	0.25
Dieldrin	ND		0.049	0.25
Endosulfan I	ND		0.055	0.25
Endosulfan II	ND		0.060	0.25
Endosulfan sulfate	ND		0.079	0.25
Endrin	ND		0.069	0.25
Endrin aldehyde	ND		0.082	0.25
Endrin ketone	ND		0.060	0.25
gamma-BHC (Lindane)	ND		0.030	0.25
gamma-Chlordane	ND		0.055	0.25
Heptachlor	0.080	J	0.043	0.25
Heptachlor epoxide	ND		0.027	0.25
Methoxychlor	ND		0.071	0.25
Toxaphene	ND		0.60	2.5

Surrogate	%Rec	Qualifier	Acceptance Limits
DCB Decachlorobiphenyl	39		20 - 120
Tetrachloro-m-xylene	83		36 - 120

Client: Sterling Environmental Engineering PC

Job Number: 480-55783-1

Client Sample ID: **MW-4**

Lab Sample ID: 480-55880-2
Client Matrix: Water

Date Sampled: 03/11/2014 1435
Date Received: 03/12/2014 0900

8081B Organochlorine Pesticides (GC)

Analysis Method:	8081B	Analysis Batch:	480-170073	Instrument ID:	HP6890-6
Prep Method:	3510C	Prep Batch:	480-169831	Initial Weight/Volume:	250.3 mL
Dilution:	5.0			Final Weight/Volume:	2 mL
Analysis Date:	03/14/2014 1552			Injection Volume:	1 uL
Prep Date:	03/13/2014 0850			Result Type:	PRIMARY

Analyte	Result (ug/L)	Qualifier	MDL	RL
4,4'-DDD	ND		0.046	0.25
4,4'-DDE	ND		0.058	0.25
4,4'-DDT	ND		0.055	0.25
Aldrin	ND		0.033	0.25
alpha-BHC	ND		0.033	0.25
alpha-Chlordane	ND		0.074	0.25
beta-BHC	ND		0.12	0.25
delta-BHC	ND		0.050	0.25
Dieldrin	ND		0.049	0.25
Endosulfan I	ND		0.055	0.25
Endosulfan II	ND		0.060	0.25
Endosulfan sulfate	ND		0.078	0.25
Endrin	ND		0.069	0.25
Endrin aldehyde	ND		0.081	0.25
Endrin ketone	ND		0.060	0.25
gamma-BHC (Lindane)	ND		0.030	0.25
gamma-Chlordane	ND		0.055	0.25
Heptachlor	ND		0.042	0.25
Heptachlor epoxide	ND		0.026	0.25
Methoxychlor	ND		0.070	0.25
Toxaphene	ND		0.60	2.5

Surrogate	%Rec	Qualifier	Acceptance Limits
DCB Decachlorobiphenyl	40		20 - 120
Tetrachloro-m-xylene	89		36 - 120

Client: Sterling Environmental Engineering PC

Job Number: 480-55783-1

Client Sample ID: **MW-5**

Lab Sample ID: 480-55880-3
Client Matrix: Water

Date Sampled: 03/11/2014 1350
Date Received: 03/12/2014 0900

8081B Organochlorine Pesticides (GC)

Analysis Method:	8081B	Analysis Batch:	480-170073	Instrument ID:	HP6890-6
Prep Method:	3510C	Prep Batch:	480-169831	Initial Weight/Volume:	237.1 mL
Dilution:	1.0			Final Weight/Volume:	2 mL
Analysis Date:	03/14/2014 1627			Injection Volume:	1 uL
Prep Date:	03/13/2014 0850			Result Type:	PRIMARY

Analyte	Result (ug/L)	Qualifier	MDL	RL
4,4'-DDD	ND		0.0097	0.053
4,4'-DDE	ND		0.012	0.053
4,4'-DDT	ND		0.012	0.053
Aldrin	ND		0.0070	0.053
alpha-BHC	0.0088	J	0.0070	0.053
alpha-Chlordane	ND		0.016	0.053
beta-BHC	ND		0.026	0.053
delta-BHC	0.012	J	0.011	0.053
Dieldrin	ND		0.010	0.053
Endosulfan I	ND		0.012	0.053
Endosulfan II	ND		0.013	0.053
Endosulfan sulfate	ND		0.017	0.053
Endrin	ND		0.015	0.053
Endrin aldehyde	ND		0.017	0.053
Endrin ketone	ND		0.013	0.053
gamma-BHC (Lindane)	ND		0.0063	0.053
gamma-Chlordane	0.012	J	0.012	0.053
Heptachlor	ND		0.0090	0.053
Heptachlor epoxide	ND		0.0056	0.053
Methoxychlor	ND		0.015	0.053
Toxaphene	ND		0.13	0.53

Surrogate	%Rec	Qualifier	Acceptance Limits
DCB Decachlorobiphenyl	37		20 - 120
Tetrachloro-m-xylene	82		36 - 120

Client: Sterling Environmental Engineering PC

Job Number: 480-55783-1

Client Sample ID: **MW-P**

Lab Sample ID: 480-55783-1
Client Matrix: Water

Date Sampled: 03/10/2014 1405
Date Received: 03/11/2014 1058

8082A Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analysis Method:	8082A	Analysis Batch:	480-170037	Instrument ID:	HP5890-12
Prep Method:	3510C	Prep Batch:	480-169813	Initial Weight/Volume:	251.9 mL
Dilution:	1.0			Final Weight/Volume:	2 mL
Analysis Date:	03/14/2014 1619			Injection Volume:	1 uL
Prep Date:	03/13/2014 0705			Result Type:	PRIMARY

Analyte	Result (ug/L)	Qualifier	MDL	RL
PCB-1016	ND		0.17	0.50
PCB-1221	ND		0.17	0.50
PCB-1232	ND		0.17	0.50
PCB-1242	ND		0.17	0.50
PCB-1248	ND		0.17	0.50
PCB-1254	ND		0.25	0.50
PCB-1260	ND		0.25	0.50

Surrogate	%Rec	Qualifier	Acceptance Limits
Tetrachloro-m-xylene	89		23 - 127
DCB Decachlorobiphenyl	70		19 - 126

Client: Sterling Environmental Engineering PC

Job Number: 480-55783-1

Client Sample ID: **MW-3**

Lab Sample ID: 480-55783-2
Client Matrix: Water

Date Sampled: 03/10/2014 1500
Date Received: 03/11/2014 1058

8082A Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analysis Method:	8082A	Analysis Batch:	480-170037	Instrument ID:	HP5890-12
Prep Method:	3510C	Prep Batch:	480-169813	Initial Weight/Volume:	267 mL
Dilution:	1.0			Final Weight/Volume:	2 mL
Analysis Date:	03/14/2014 1634			Injection Volume:	1 uL
Prep Date:	03/13/2014 0705			Result Type:	PRIMARY

Analyte	Result (ug/L)	Qualifier	MDL	RL
PCB-1016	ND		0.16	0.47
PCB-1221	ND		0.16	0.47
PCB-1232	ND		0.16	0.47
PCB-1242	ND		0.16	0.47
PCB-1248	ND		0.16	0.47
PCB-1254	ND		0.23	0.47
PCB-1260	ND		0.23	0.47

Surrogate	%Rec	Qualifier	Acceptance Limits
Tetrachloro-m-xylene	83		23 - 127
DCB Decachlorobiphenyl	69		19 - 126

Client: Sterling Environmental Engineering PC

Job Number: 480-55783-1

Client Sample ID: **MW-1**

Lab Sample ID: 480-55880-1
Client Matrix: Water

Date Sampled: 03/11/2014 1520
Date Received: 03/12/2014 0900

8082A Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analysis Method:	8082A	Analysis Batch:	480-170037	Instrument ID:	HP5890-12
Prep Method:	3510C	Prep Batch:	480-169813	Initial Weight/Volume:	255 mL
Dilution:	1.0			Final Weight/Volume:	2 mL
Analysis Date:	03/14/2014 1207			Injection Volume:	1 uL
Prep Date:	03/13/2014 0705			Result Type:	PRIMARY

Analyte	Result (ug/L)	Qualifier	MDL	RL
PCB-1016	ND		0.17	0.49
PCB-1221	ND		0.17	0.49
PCB-1232	ND		0.17	0.49
PCB-1242	ND		0.17	0.49
PCB-1248	ND		0.17	0.49
PCB-1254	ND		0.25	0.49
PCB-1260	ND		0.25	0.49

Surrogate	%Rec	Qualifier	Acceptance Limits
Tetrachloro-m-xylene	94		23 - 127
DCB Decachlorobiphenyl	55		19 - 126

Client: Sterling Environmental Engineering PC

Job Number: 480-55783-1

Client Sample ID: **MW-4**

Lab Sample ID: 480-55880-2
Client Matrix: Water

Date Sampled: 03/11/2014 1435
Date Received: 03/12/2014 0900

8082A Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analysis Method:	8082A	Analysis Batch:	480-170037	Instrument ID:	HP5890-12
Prep Method:	3510C	Prep Batch:	480-169813	Initial Weight/Volume:	240.5 mL
Dilution:	1.0			Final Weight/Volume:	2 mL
Analysis Date:	03/14/2014 1222			Injection Volume:	1 uL
Prep Date:	03/13/2014 0705			Result Type:	PRIMARY

Analyte	Result (ug/L)	Qualifier	MDL	RL
PCB-1016	ND		0.18	0.52
PCB-1221	ND		0.18	0.52
PCB-1232	ND		0.18	0.52
PCB-1242	ND		0.18	0.52
PCB-1248	ND		0.18	0.52
PCB-1254	ND		0.26	0.52
PCB-1260	ND		0.26	0.52

Surrogate	%Rec	Qualifier	Acceptance Limits
Tetrachloro-m-xylene	92		23 - 127
DCB Decachlorobiphenyl	68		19 - 126

Client: Sterling Environmental Engineering PC

Job Number: 480-55783-1

Client Sample ID: **MW-5**

Lab Sample ID: 480-55880-3
Client Matrix: Water

Date Sampled: 03/11/2014 1350
Date Received: 03/12/2014 0900

8082A Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analysis Method:	8082A	Analysis Batch:	480-170037	Instrument ID:	HP5890-12
Prep Method:	3510C	Prep Batch:	480-169813	Initial Weight/Volume:	249.3 mL
Dilution:	1.0			Final Weight/Volume:	2 mL
Analysis Date:	03/14/2014 1237			Injection Volume:	1 uL
Prep Date:	03/13/2014 0705			Result Type:	PRIMARY

Analyte	Result (ug/L)	Qualifier	MDL	RL
PCB-1016	ND		0.18	0.50
PCB-1221	ND		0.18	0.50
PCB-1232	ND		0.18	0.50
PCB-1242	ND		0.18	0.50
PCB-1248	ND		0.18	0.50
PCB-1254	ND		0.25	0.50
PCB-1260	ND		0.25	0.50

Surrogate	%Rec	Qualifier	Acceptance Limits
Tetrachloro-m-xylene	93		23 - 127
DCB Decachlorobiphenyl	74		19 - 126

Client: Sterling Environmental Engineering PC

Job Number: 480-55783-1

Client Sample ID: **MW-P**

Lab Sample ID: 480-55783-1
Client Matrix: Water

Date Sampled: 03/10/2014 1405
Date Received: 03/11/2014 1058

8151A Herbicides (GC)

Analysis Method:	8151A	Analysis Batch:	480-170053	Instrument ID:	HP5890-13
Prep Method:	8151A	Prep Batch:	480-169808	Initial Weight/Volume:	1053.6 mL
Dilution:	1.0			Final Weight/Volume:	10 mL
Analysis Date:	03/14/2014 1536			Injection Volume:	1 uL
Prep Date:	03/13/2014 0549			Result Type:	PRIMARY

Analyte	Result (ug/L)	Qualifier	MDL	RL
2,4-D	ND		0.38	0.47
Silvex (2,4,5-TP)	ND		0.34	0.47

Surrogate	%Rec	Qualifier	Acceptance Limits
2,4-Dichlorophenylacetic acid	122		40 - 135

Client: Sterling Environmental Engineering PC

Job Number: 480-55783-1

Client Sample ID: **MW-3**

Lab Sample ID: 480-55783-2
Client Matrix: Water

Date Sampled: 03/10/2014 1500
Date Received: 03/11/2014 1058

8151A Herbicides (GC)

Analysis Method:	8151A	Analysis Batch:	480-170053	Instrument ID:	HP5890-13
Prep Method:	8151A	Prep Batch:	480-169808	Initial Weight/Volume:	1055.7 mL
Dilution:	1.0			Final Weight/Volume:	10 mL
Analysis Date:	03/14/2014 1606			Injection Volume:	1 uL
Prep Date:	03/13/2014 0549			Result Type:	PRIMARY

Analyte	Result (ug/L)	Qualifier	MDL	RL
2,4-D	ND		0.38	0.47
Silvex (2,4,5-TP)	ND		0.34	0.47

Surrogate	%Rec	Qualifier	Acceptance Limits
2,4-Dichlorophenylacetic acid	131		40 - 135

Client: Sterling Environmental Engineering PC

Job Number: 480-55783-1

Client Sample ID: **MW-1**

Lab Sample ID: 480-55880-1
Client Matrix: Water

Date Sampled: 03/11/2014 1520
Date Received: 03/12/2014 0900

8151A Herbicides (GC)

Analysis Method:	8151A	Analysis Batch:	480-170053	Instrument ID:	HP5890-13
Prep Method:	8151A	Prep Batch:	480-169808	Initial Weight/Volume:	1051.9 mL
Dilution:	1.0			Final Weight/Volume:	10 mL
Analysis Date:	03/14/2014 1834			Injection Volume:	1 uL
Prep Date:	03/13/2014 0549			Result Type:	PRIMARY

Analyte	Result (ug/L)	Qualifier	MDL	RL
2,4-D	ND		0.38	0.48
Silvex (2,4,5-TP)	ND		0.34	0.48

Surrogate	%Rec	Qualifier	Acceptance Limits
2,4-Dichlorophenylacetic acid	169	X	40 - 135

Client: Sterling Environmental Engineering PC

Job Number: 480-55783-1

Client Sample ID: **MW-4**

Lab Sample ID: 480-55880-2
Client Matrix: Water

Date Sampled: 03/11/2014 1435
Date Received: 03/12/2014 0900

8151A Herbicides (GC)

Analysis Method:	8151A	Analysis Batch:	480-170053	Instrument ID:	HP5890-13
Prep Method:	8151A	Prep Batch:	480-169808	Initial Weight/Volume:	1046.3 mL
Dilution:	1.0			Final Weight/Volume:	10 mL
Analysis Date:	03/14/2014 1904			Injection Volume:	1 uL
Prep Date:	03/13/2014 0549			Result Type:	PRIMARY

Analyte	Result (ug/L)	Qualifier	MDL	RL
2,4-D	ND		0.38	0.48
Silvex (2,4,5-TP)	ND		0.34	0.48

Surrogate	%Rec	Qualifier	Acceptance Limits
2,4-Dichlorophenylacetic acid	125		40 - 135

Client: Sterling Environmental Engineering PC

Job Number: 480-55783-1

Client Sample ID: **MW-5**

Lab Sample ID: 480-55880-3
Client Matrix: Water

Date Sampled: 03/11/2014 1350
Date Received: 03/12/2014 0900

8151A Herbicides (GC)

Analysis Method:	8151A	Analysis Batch:	480-170053	Instrument ID:	HP5890-13
Prep Method:	8151A	Prep Batch:	480-169808	Initial Weight/Volume:	1047.6 mL
Dilution:	1.0			Final Weight/Volume:	10 mL
Analysis Date:	03/14/2014 1933			Injection Volume:	1 uL
Prep Date:	03/13/2014 0549			Result Type:	PRIMARY

Analyte	Result (ug/L)	Qualifier	MDL	RL
2,4-D	ND		0.38	0.48
Silvex (2,4,5-TP)	ND		0.34	0.48

Surrogate	%Rec	Qualifier	Acceptance Limits
2,4-Dichlorophenylacetic acid	137	X	40 - 135

Client: Sterling Environmental Engineering PC

Job Number: 480-55783-1

Client Sample ID: **MW-P**

Lab Sample ID: 480-55783-1
Client Matrix: Water

Date Sampled: 03/10/2014 1405
Date Received: 03/11/2014 1058

6010C Metals (ICP)

Analysis Method:	6010C	Analysis Batch:	480-170104	Instrument ID:	ICAP1
Prep Method:	3005A	Prep Batch:	480-169698	Lab File ID:	I1031314B-11.asc
Dilution:	1.0			Initial Weight/Volume:	50 mL
Analysis Date:	03/14/2014 0108			Final Weight/Volume:	50 mL
Prep Date:	03/12/2014 0930				

Analyte	Result (mg/L)	Qualifier	MDL	RL
Aluminum	58.1		0.060	0.20
Antimony	ND		0.0068	0.020
Arsenic	0.0062	J	0.0056	0.015
Barium	0.81		0.00070	0.0020
Beryllium	ND		0.00030	0.0020
Cadmium	0.0031		0.00050	0.0020
Calcium	37.6		0.10	0.50
Chromium	0.13		0.0010	0.0040
Cobalt	0.042		0.00063	0.0040
Copper	0.15		0.0016	0.010
Iron	83.9		0.019	0.050
Lead	0.056		0.0030	0.010
Magnesium	29.9		0.043	0.20
Manganese	1.9		0.00040	0.0030
Nickel	0.094		0.0013	0.010
Potassium	26.7		0.10	0.50
Selenium	ND		0.0087	0.025
Silver	0.0049	J	0.0017	0.0060
Sodium	17.5		0.32	1.0
Thallium	ND		0.010	0.020
Vanadium	0.15		0.0015	0.0050
Zinc	0.31		0.0015	0.010

7470A Mercury (CVAA)

Analysis Method:	7470A	Analysis Batch:	480-169960	Instrument ID:	LEEMAN2
Prep Method:	7470A	Prep Batch:	480-169716	Lab File ID:	H03134W1.PRN
Dilution:	1.0			Initial Weight/Volume:	30 mL
Analysis Date:	03/13/2014 1353			Final Weight/Volume:	50 mL
Prep Date:	03/12/2014 0905				

Analyte	Result (mg/L)	Qualifier	MDL	RL
Mercury	0.00083		0.00012	0.00020

Client: Sterling Environmental Engineering PC

Job Number: 480-55783-1

Client Sample ID: **MW-3**

Lab Sample ID: 480-55783-2
Client Matrix: Water

Date Sampled: 03/10/2014 1500
Date Received: 03/11/2014 1058

6010C Metals (ICP)

Analysis Method:	6010C	Analysis Batch:	480-170104	Instrument ID:	ICAP1
Prep Method:	3005A	Prep Batch:	480-169698	Lab File ID:	I1031314B-11.asc
Dilution:	1.0			Initial Weight/Volume:	50 mL
Analysis Date:	03/14/2014 0111			Final Weight/Volume:	50 mL
Prep Date:	03/12/2014 0930				

Analyte	Result (mg/L)	Qualifier	MDL	RL
Aluminum	2.1		0.060	0.20
Antimony	ND		0.0068	0.020
Arsenic	0.0071	J	0.0056	0.015
Barium	0.19		0.00070	0.0020
Beryllium	ND		0.00030	0.0020
Cadmium	ND		0.00050	0.0020
Calcium	69.3		0.10	0.50
Chromium	0.0047		0.0010	0.0040
Cobalt	0.0024	J	0.00063	0.0040
Copper	0.012		0.0016	0.010
Iron	22.7		0.019	0.050
Lead	0.0063	J	0.0030	0.010
Magnesium	17.3		0.043	0.20
Manganese	2.2		0.00040	0.0030
Nickel	0.0036	J	0.0013	0.010
Potassium	4.4		0.10	0.50
Selenium	ND		0.0087	0.025
Silver	ND		0.0017	0.0060
Sodium	3.1		0.32	1.0
Thallium	ND		0.010	0.020
Vanadium	0.010		0.0015	0.0050
Zinc	0.047		0.0015	0.010

7470A Mercury (CVAA)

Analysis Method:	7470A	Analysis Batch:	480-169960	Instrument ID:	LEEMAN2
Prep Method:	7470A	Prep Batch:	480-169716	Lab File ID:	H03134W1.PRN
Dilution:	1.0			Initial Weight/Volume:	30 mL
Analysis Date:	03/13/2014 1358			Final Weight/Volume:	50 mL
Prep Date:	03/12/2014 0905				

Analyte	Result (mg/L)	Qualifier	MDL	RL
Mercury	ND		0.00012	0.00020

Client: Sterling Environmental Engineering PC

Job Number: 480-55783-1

Client Sample ID: **MW-1**

Lab Sample ID: 480-55880-1
Client Matrix: Water

Date Sampled: 03/11/2014 1520
Date Received: 03/12/2014 0900

6010C Metals (ICP)

Analysis Method:	6010C	Analysis Batch:	480-170400	Instrument ID:	ICAP1
Prep Method:	3005A	Prep Batch:	480-170056	Lab File ID:	I1031414B-8.asc
Dilution:	1.0			Initial Weight/Volume:	50 mL
Analysis Date:	03/14/2014 2246			Final Weight/Volume:	50 mL
Prep Date:	03/14/2014 0915				

Analyte	Result (mg/L)	Qualifier	MDL	RL
Aluminum	0.53		0.060	0.20
Antimony	ND		0.0068	0.020
Arsenic	ND		0.0056	0.015
Barium	0.068		0.00070	0.0020
Beryllium	ND		0.00030	0.0020
Cadmium	ND		0.00050	0.0020
Calcium	42.0		0.10	0.50
Chromium	0.0060		0.0010	0.0040
Cobalt	ND		0.00063	0.0040
Copper	0.0059	J	0.0016	0.010
Iron	0.79		0.019	0.050
Lead	0.0031	J	0.0030	0.010
Magnesium	14.9		0.043	0.20
Manganese	0.083	B	0.00040	0.0030
Nickel	0.019		0.0013	0.010
Potassium	3.0		0.10	0.50
Selenium	ND		0.0087	0.025
Silver	ND		0.0017	0.0060
Sodium	16.7		0.32	1.0
Thallium	ND		0.010	0.020
Vanadium	ND		0.0015	0.0050
Zinc	0.11	B	0.0015	0.010

7470A Mercury (CVAA)

Analysis Method:	7470A	Analysis Batch:	480-169960	Instrument ID:	LEEMAN2
Prep Method:	7470A	Prep Batch:	480-169814	Lab File ID:	H03134W1.PRN
Dilution:	1.0			Initial Weight/Volume:	30 mL
Analysis Date:	03/13/2014 1455			Final Weight/Volume:	50 mL
Prep Date:	03/13/2014 0830				

Analyte	Result (mg/L)	Qualifier	MDL	RL
Mercury	ND		0.00012	0.00020

Client: Sterling Environmental Engineering PC

Job Number: 480-55783-1

Client Sample ID: **MW-4**

Lab Sample ID: 480-55880-2
Client Matrix: Water

Date Sampled: 03/11/2014 1435
Date Received: 03/12/2014 0900

6010C Metals (ICP)

Analysis Method:	6010C	Analysis Batch:	480-170400	Instrument ID:	ICAP1
Prep Method:	3005A	Prep Batch:	480-170056	Lab File ID:	I1031414B-8.asc
Dilution:	1.0			Initial Weight/Volume:	50 mL
Analysis Date:	03/14/2014 2257			Final Weight/Volume:	50 mL
Prep Date:	03/14/2014 0915				

Analyte	Result (mg/L)	Qualifier	MDL	RL
Aluminum	4.1		0.060	0.20
Antimony	ND		0.0068	0.020
Arsenic	ND		0.0056	0.015
Barium	0.25		0.00070	0.0020
Beryllium	ND		0.00030	0.0020
Cadmium	0.00080	J	0.00050	0.0020
Calcium	87.7		0.10	0.50
Chromium	0.016		0.0010	0.0040
Cobalt	0.0055		0.00063	0.0040
Copper	0.20		0.0016	0.010
Iron	36.5		0.019	0.050
Lead	0.021		0.0030	0.010
Magnesium	21.9		0.043	0.20
Manganese	4.6	B	0.00040	0.0030
Nickel	0.011		0.0013	0.010
Potassium	5.1		0.10	0.50
Selenium	ND		0.0087	0.025
Silver	0.0026	J	0.0017	0.0060
Sodium	19.6		0.32	1.0
Thallium	ND		0.010	0.020
Vanadium	0.010		0.0015	0.0050
Zinc	0.20	B	0.0015	0.010

7470A Mercury (CVAA)

Analysis Method:	7470A	Analysis Batch:	480-169960	Instrument ID:	LEEMAN2
Prep Method:	7470A	Prep Batch:	480-169814	Lab File ID:	H03134W1.PRN
Dilution:	1.0			Initial Weight/Volume:	30 mL
Analysis Date:	03/13/2014 1457			Final Weight/Volume:	50 mL
Prep Date:	03/13/2014 0830				

Analyte	Result (mg/L)	Qualifier	MDL	RL
Mercury	0.00044		0.00012	0.00020

Client: Sterling Environmental Engineering PC

Job Number: 480-55783-1

Client Sample ID: **MW-5**

Lab Sample ID: 480-55880-3
Client Matrix: Water

Date Sampled: 03/11/2014 1350
Date Received: 03/12/2014 0900

6010C Metals (ICP)

Analysis Method:	6010C	Analysis Batch:	480-170400	Instrument ID:	ICAP1
Prep Method:	3005A	Prep Batch:	480-170056	Lab File ID:	I1031414B-8.asc
Dilution:	1.0			Initial Weight/Volume:	50 mL
Analysis Date:	03/14/2014 2300			Final Weight/Volume:	50 mL
Prep Date:	03/14/2014 0915				

Analyte	Result (mg/L)	Qualifier	MDL	RL
Aluminum	2.1		0.060	0.20
Antimony	ND		0.0068	0.020
Arsenic	0.016		0.0056	0.015
Barium	0.37		0.00070	0.0020
Beryllium	ND		0.00030	0.0020
Cadmium	0.0053		0.00050	0.0020
Calcium	34.3		0.10	0.50
Chromium	0.11		0.0010	0.0040
Cobalt	0.0015	J	0.00063	0.0040
Copper	0.060		0.0016	0.010
Iron	40.9		0.019	0.050
Lead	0.054		0.0030	0.010
Magnesium	10.0		0.043	0.20
Manganese	0.96	B	0.00040	0.0030
Nickel	0.013		0.0013	0.010
Potassium	3.8		0.10	0.50
Selenium	ND		0.0087	0.025
Silver	0.0035	J	0.0017	0.0060
Sodium	15.3		0.32	1.0
Thallium	ND		0.010	0.020
Vanadium	0.063		0.0015	0.0050
Zinc	0.062	B	0.0015	0.010

7470A Mercury (CVAA)

Analysis Method:	7470A	Analysis Batch:	480-169960	Instrument ID:	LEEMAN2
Prep Method:	7470A	Prep Batch:	480-169814	Lab File ID:	H03134W1.PRN
Dilution:	1.0			Initial Weight/Volume:	30 mL
Analysis Date:	03/13/2014 1459			Final Weight/Volume:	50 mL
Prep Date:	03/13/2014 0830				

Analyte	Result (mg/L)	Qualifier	MDL	RL
Mercury	0.00020		0.00012	0.00020

General Chemistry

Client Sample ID: **MW-P**

Lab Sample ID: 480-55783-1 Date Sampled: 03/10/2014 1405

Client Matrix: Water Date Received: 03/11/2014 1058

Analyte	Result	Qual	Units	MDL	RL	Dil	Method
Cyanide, Total	ND		mg/L	0.0050	0.010	1.0	335.4
Analysis Batch: 480-169758	Analysis Date: 03/12/2014 1013						
Prep Batch: 480-169633	Prep Date: 03/11/2014 1650						

General Chemistry

Client Sample ID: **MW-3**

Lab Sample ID: 480-55783-2 Date Sampled: 03/10/2014 1500

Client Matrix: Water Date Received: 03/11/2014 1058

Analyte	Result	Qual	Units	MDL	RL	Dil	Method
Cyanide, Total	ND		mg/L	0.0050	0.010	1.0	335.4

Analysis Batch: 480-169758 Analysis Date: 03/12/2014 1014

Prep Batch: 480-169633 Prep Date: 03/11/2014 1650

General Chemistry

Client Sample ID: **MW-1**

Lab Sample ID: 480-55880-1 Date Sampled: 03/11/2014 1520

Client Matrix: Water Date Received: 03/12/2014 0900

Analyte	Result	Qual	Units	MDL	RL	Dil	Method
Cyanide, Total	ND		mg/L	0.0050	0.010	1.0	335.4

Analysis Batch: 480-170587 Analysis Date: 03/18/2014 1033

Prep Batch: 480-170470 Prep Date: 03/17/2014 1622

General Chemistry

Client Sample ID: **MW-4**

Lab Sample ID: 480-55880-2 Date Sampled: 03/11/2014 1435

Client Matrix: Water Date Received: 03/12/2014 0900

Analyte	Result	Qual	Units	MDL	RL	Dil	Method
Cyanide, Total	ND		mg/L	0.0050	0.010	1.0	335.4
Analysis Batch: 480-170587	Analysis Date: 03/18/2014 1034						
Prep Batch: 480-170470	Prep Date: 03/17/2014 1622						

General Chemistry

Client Sample ID: **MW-5**

Lab Sample ID: 480-55880-3 Date Sampled: 03/11/2014 1350

Client Matrix: Water Date Received: 03/12/2014 0900

Analyte	Result	Qual	Units	MDL	RL	Dil	Method
Cyanide, Total	0.0059	J B	mg/L	0.0050	0.010	1.0	335.4

Analysis Batch: 480-170587 Analysis Date: 03/18/2014 1037

Prep Batch: 480-170470 Prep Date: 03/17/2014 1622

Client: Sterling Environmental Engineering PC

Job Number: 480-55783-1

Surrogate Recovery Report

8260C Volatile Organic Compounds by GC/MS

Client Matrix: Water

Lab Sample ID	Client Sample ID	DBFM %Rec	DCA %Rec	TOL %Rec	BFB %Rec
480-55783-1	MW-P	105	106	103	96
480-55783-2	MW-3	103	106	102	96
480-55880-1	MW-1	106	103	102	97
480-55880-2	MW-4	109	105	102	100
480-55880-3	MW-5	107	106	100	96
MB 480-169643/8		98	101	99	91
MB 480-169830/7		103	103	101	96
LCS 480-169643/6		97	100	98	90
LCS 480-169830/5		108	103	102	104

Surrogate	Acceptance Limits
DBFM = Dibromofluoromethane (Surr)	60-140
DCA = 1,2-Dichloroethane-d4 (Surr)	66-137
TOL = Toluene-d8 (Surr)	71-126
BFB = 4-Bromofluorobenzene (Surr)	73-120

Client: Sterling Environmental Engineering PC

Job Number: 480-55783-1

Surrogate Recovery Report

8270D Semivolatile Organic Compounds (GC/MS)

Client Matrix: Water

Lab Sample ID	Client Sample ID	2FP %Rec	PHL %Rec	NBZ %Rec	FBP %Rec	TBP %Rec	TPH %Rec
480-55783-1	MW-P	65	50	83	88	80	97
480-55783-2	MW-3	51	42	92	89	76	88
480-55880-1	MW-1	62	48	91	76	90	110
480-55880-2	MW-4	64	52	90	89	100	80
480-55880-3	MW-5	59	49	91	93	111*	92*
MB 480-169810/1-A		63	51	93	79	76	116
LCS 480-169810/2-A		82	70	104	98	109	119

Surrogate	Acceptance Limits
2FP = 2-Fluorophenol (Surr)	20-120
PHL = Phenol-d5 (Surr)	16-120
NBZ = Nitrobenzene-d5 (Surr)	46-120
FBP = 2-Fluorobiphenyl	48-120
TBP = 2,4,6-Tribromophenol (Surr)	52-132
TPH = p-Terphenyl-d14 (Surr)	67-150

Client: Sterling Environmental Engineering PC

Job Number: 480-55783-1

Surrogate Recovery Report

8081B Organochlorine Pesticides (GC)

Client Matrix: Water

Lab Sample ID	Client Sample ID	TCX2 %Rec	DCB2 %Rec
480-55783-1	MW-P	79	35
480-55783-2	MW-3	72	61
480-55880-1	MW-1	83	39
480-55880-2	MW-4	89	40
480-55880-3	MW-5	82	37
MB 480-169831/1-A		79	61
LCS 480-169831/2-A		82	70

Surrogate	Acceptance Limits
TCX = Tetrachloro-m-xylene	36-120
DCB = DCB Decachlorobiphenyl	20-120

Client: Sterling Environmental Engineering PC

Job Number: 480-55783-1

Surrogate Recovery Report

8082A Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Client Matrix: Water

Lab Sample ID	Client Sample ID	TCX2 %Rec	DCB2 %Rec
480-55783-1	MW-P	89	70
480-55783-2	MW-3	83	69
480-55880-1	MW-1	94	55
480-55880-2	MW-4	92	68
480-55880-3	MW-5	93	74
MB 480-169813/1-A		89	81
LCS 480-169813/2-A		89	82

Surrogate	Acceptance Limits
TCX = Tetrachloro-m-xylene	23-127
DCB = DCB Decachlorobiphenyl	19-126

Client: Sterling Environmental Engineering PC

Job Number: 480-55783-1

Surrogate Recovery Report

8151A Herbicides (GC)

Client Matrix: Water

Lab Sample ID	Client Sample ID	DCPA1 %Rec
480-55783-1	MW-P	122
480-55783-2	MW-3	131
480-55880-1	MW-1	169X
480-55880-2	MW-4	125
480-55880-3	MW-5	137X
MB 480-169808/1-A		100
LCS 480-169808/2-A		120

Surrogate	Acceptance Limits
DCPA = 2,4-Dichlorophenylacetic acid	40-135

Client: Sterling Environmental Engineering PC

Job Number: 480-55783-1

Method Blank - Batch: 480-169643

Method: 8260C
Preparation: 5030C

Lab Sample ID:	MB 480-169643/8	Analysis Batch:	480-169643	Instrument ID:	HP5975D
Client Matrix:	Water	Prep Batch:	N/A	Lab File ID:	D9945.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	5 mL
Analysis Date:	03/11/2014 2219	Units:	ug/L	Final Weight/Volume:	5 mL
Prep Date:	03/11/2014 2219				
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-Trichloro-1,2,2-trifluoroethane	ND		0.31	1.0
1,1,2-Trichloroethane	ND		0.23	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-Butanone (MEK)	ND		1.3	10
2-Hexanone	ND		1.2	5.0
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
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
Dibromochloromethane	ND		0.32	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	2.5
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: 480-169643

Method: 8260C
Preparation: 5030C

Lab Sample ID:	MB 480-169643/8	Analysis Batch:	480-169643	Instrument ID:	HP5975D
Client Matrix:	Water	Prep Batch:	N/A	Lab File ID:	D9945.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	5 mL
Analysis Date:	03/11/2014 2219	Units:	ug/L	Final Weight/Volume:	5 mL
Prep Date:	03/11/2014 2219				
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)	101	66 - 137
4-Bromofluorobenzene (Surr)	91	73 - 120
Toluene-d8 (Surr)	99	71 - 126
Dibromofluoromethane (Surr)	98	60 - 140

Lab Control Sample - Batch: 480-169643

Method: 8260C
Preparation: 5030C

Lab Sample ID:	LCS 480-169643/6	Analysis Batch:	480-169643	Instrument ID:	HP5975D
Client Matrix:	Water	Prep Batch:	N/A	Lab File ID:	D9943.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	5 mL
Analysis Date:	03/11/2014 2136	Units:	ug/L	Final Weight/Volume:	5 mL
Prep Date:	03/11/2014 2136				
Leach Date:	N/A				

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
1,1-Dichloroethane	25.0	25.0	100	71 - 129	
1,1-Dichloroethene	25.0	23.5	94	58 - 121	
1,2-Dichlorobenzene	25.0	24.7	99	80 - 124	
1,2-Dichloroethane	25.0	24.0	96	75 - 127	
Benzene	25.0	25.4	101	71 - 124	
Chlorobenzene	25.0	24.5	98	72 - 120	
cis-1,2-Dichloroethene	25.0	24.2	97	74 - 124	
Ethylbenzene	25.0	24.6	98	77 - 123	
Methyl tert-butyl ether	25.0	24.0	96	64 - 127	
Tetrachloroethene	25.0	23.2	93	74 - 122	
Toluene	25.0	24.7	99	80 - 122	
trans-1,2-Dichloroethene	25.0	24.0	96	73 - 127	
Trichloroethene	25.0	25.5	102	74 - 123	

Surrogate	% Rec	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	100	66 - 137
4-Bromofluorobenzene (Surr)	90	73 - 120
Toluene-d8 (Surr)	98	71 - 126
Dibromofluoromethane (Surr)	97	60 - 140

Client: Sterling Environmental Engineering PC

Job Number: 480-55783-1

Method Blank - Batch: 480-169830

Method: 8260C
Preparation: 5030C

Lab Sample ID:	MB 480-169830/7	Analysis Batch:	480-169830	Instrument ID:	HP5973S
Client Matrix:	Water	Prep Batch:	N/A	Lab File ID:	S35872.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	5 mL
Analysis Date:	03/13/2014 1134	Units:	ug/L	Final Weight/Volume:	5 mL
Prep Date:	03/13/2014 1134				
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-Trichloro-1,2,2-trifluoroethane	ND		0.31	1.0
1,1,2-Trichloroethane	ND		0.23	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-Butanone (MEK)	ND		1.3	10
2-Hexanone	ND		1.2	5.0
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
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
Dibromochloromethane	ND		0.32	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	2.5
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: 480-169830

Method: 8260C
Preparation: 5030C

Lab Sample ID:	MB 480-169830/7	Analysis Batch:	480-169830	Instrument ID:	HP5973S
Client Matrix:	Water	Prep Batch:	N/A	Lab File ID:	S35872.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	5 mL
Analysis Date:	03/13/2014 1134	Units:	ug/L	Final Weight/Volume:	5 mL
Prep Date:	03/13/2014 1134				
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)	103	66 - 137
4-Bromofluorobenzene (Surr)	96	73 - 120
Toluene-d8 (Surr)	101	71 - 126
Dibromofluoromethane (Surr)	103	60 - 140

Lab Control Sample - Batch: 480-169830

Method: 8260C
Preparation: 5030C

Lab Sample ID:	LCS 480-169830/5	Analysis Batch:	480-169830	Instrument ID:	HP5973S
Client Matrix:	Water	Prep Batch:	N/A	Lab File ID:	S35870.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	5 mL
Analysis Date:	03/13/2014 1051	Units:	ug/L	Final Weight/Volume:	5 mL
Prep Date:	03/13/2014 1051				
Leach Date:	N/A				

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
1,1-Dichloroethane	25.0	24.6	98	71 - 129	
1,1-Dichloroethene	25.0	25.2	101	58 - 121	
1,2-Dichlorobenzene	25.0	24.8	99	80 - 124	
1,2-Dichloroethane	25.0	24.6	99	75 - 127	
Benzene	25.0	24.5	98	71 - 124	
Chlorobenzene	25.0	24.4	97	72 - 120	
cis-1,2-Dichloroethene	25.0	24.8	99	74 - 124	
Ethylbenzene	25.0	24.6	98	77 - 123	
Methyl tert-butyl ether	25.0	24.7	99	64 - 127	
Tetrachloroethene	25.0	25.6	102	74 - 122	
Toluene	25.0	23.6	94	80 - 122	
trans-1,2-Dichloroethene	25.0	25.8	103	73 - 127	
Trichloroethene	25.0	25.2	101	74 - 123	

Surrogate	% Rec	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	103	66 - 137
4-Bromofluorobenzene (Surr)	104	73 - 120
Toluene-d8 (Surr)	102	71 - 126
Dibromofluoromethane (Surr)	108	60 - 140

Client: Sterling Environmental Engineering PC

Job Number: 480-55783-1

Method Blank - Batch: 480-169810

Method: 8270D
Preparation: 3510C

Lab Sample ID:	MB 480-169810/1-A	Analysis Batch:	480-170376	Instrument ID:	HP5973W
Client Matrix:	Water	Prep Batch:	480-169810	Lab File ID:	W04987.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	250 mL
Analysis Date:	03/17/2014 1831	Units:	ug/L	Final Weight/Volume:	1 mL
Prep Date:	03/13/2014 0653			Injection Volume:	5 uL
Leach Date:	N/A				

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

Client: Sterling Environmental Engineering PC

Job Number: 480-55783-1

Method Blank - Batch: 480-169810

Method: 8270D
Preparation: 3510C

Lab Sample ID:	MB 480-169810/1-A	Analysis Batch:	480-170376	Instrument ID:	HP5973W
Client Matrix:	Water	Prep Batch:	480-169810	Lab File ID:	W04987.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	250 mL
Analysis Date:	03/17/2014 1831	Units:	ug/L	Final Weight/Volume:	1 mL
Prep Date:	03/13/2014 0653			Injection Volume:	5 uL
Leach Date:	N/A				

Analyte	Result	Qual	MDL	RL
Diethyl phthalate	ND		0.22	5.0
Dimethyl phthalate	ND		0.36	5.0
Di-n-butyl phthalate	ND		0.31	5.0
Di-n-octyl phthalate	ND		0.47	5.0
Fluoranthene	ND		0.40	5.0
Fluorene	ND		0.36	5.0
Hexachlorobenzene	ND		0.51	5.0
Hexachlorobutadiene	ND		0.68	5.0
Hexachlorocyclopentadiene	ND		0.59	5.0
Hexachloroethane	ND		0.59	5.0
Indeno[1,2,3-cd]pyrene	ND		0.47	5.0
Isophorone	ND		0.43	5.0
Naphthalene	ND		0.76	5.0
Nitrobenzene	ND		0.29	5.0
N-Nitrosodi-n-propylamine	ND		0.54	5.0
N-Nitrosodiphenylamine	ND		0.51	5.0
Pentachlorophenol	ND		2.2	10
Phenanthrene	ND		0.44	5.0
Phenol	ND		0.39	5.0
Pyrene	ND		0.34	5.0

Surrogate	% Rec	Acceptance Limits
2,4,6-Tribromophenol (Surr)	76	52 - 132
2-Fluorophenol (Surr)	63	20 - 120
Nitrobenzene-d5 (Surr)	93	46 - 120
Phenol-d5 (Surr)	51	16 - 120
p-Terphenyl-d14 (Surr)	116	67 - 150
2-Fluorobiphenyl	79	48 - 120

Client: Sterling Environmental Engineering PC

Job Number: 480-55783-1

Lab Control Sample - Batch: 480-169810

Method: 8270D
Preparation: 3510C

Lab Sample ID:	LCS 480-169810/2-A	Analysis Batch:	480-170376	Instrument ID:	HP5973W
Client Matrix:	Water	Prep Batch:	480-169810	Lab File ID:	W04988.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	250 mL
Analysis Date:	03/17/2014 1854	Units:	ug/L	Final Weight/Volume:	1 mL
Prep Date:	03/13/2014 0653			Injection Volume:	5 uL
Leach Date:	N/A				

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
2,4-Dinitrotoluene	32.0	34.1	107	65 - 154	
2-Chlorophenol	32.0	30.0	94	48 - 120	
4-Chloro-3-methylphenol	32.0	34.5	108	64 - 120	
4-Nitrophenol	64.0	46.8	73	16 - 120	
Acenaphthene	32.0	30.2	94	60 - 120	
Atrazine	32.0	31.6	99	56 - 179	
Bis(2-ethylhexyl) phthalate	32.0	33.7	105	53 - 158	
Fluorene	32.0	30.4	95	55 - 143	
Hexachloroethane	32.0	27.3	85	14 - 101	
N-Nitrosodi-n-propylamine	32.0	34.6	108	56 - 120	
Pentachlorophenol	64.0	30.0	47	39 - 136	
Phenol	32.0	22.8	71	17 - 120	
Pyrene	32.0	37.9	118	58 - 136	

Surrogate	% Rec	Acceptance Limits
2,4,6-Tribromophenol (Surr)	109	52 - 132
2-Fluorophenol (Surr)	82	20 - 120
Nitrobenzene-d5 (Surr)	104	46 - 120
Phenol-d5 (Surr)	70	16 - 120
p-Terphenyl-d14 (Surr)	119	67 - 150
2-Fluorobiphenyl	98	48 - 120

Client: Sterling Environmental Engineering PC

Job Number: 480-55783-1

Method Blank - Batch: 480-169831

Method: 8081B
Preparation: 3510C

Lab Sample ID:	MB 480-169831/1-A	Analysis Batch:	480-170073	Instrument ID:	HP6890-6
Client Matrix:	Water	Prep Batch:	480-169831	Lab File ID:	6__13180.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	250 mL
Analysis Date:	03/14/2014 1441	Units:	ug/L	Final Weight/Volume:	2 mL
Prep Date:	03/13/2014 0850			Injection Volume:	1 uL
Leach Date:	N/A			Column ID:	PRIMARY

Analyte	Result	Qual	MDL	RL
4,4'-DDD	ND		0.0092	0.050
4,4'-DDE	ND		0.012	0.050
4,4'-DDT	ND		0.011	0.050
Aldrin	ND		0.0066	0.050
alpha-BHC	ND		0.0066	0.050
alpha-Chlordane	ND		0.015	0.050
beta-BHC	ND		0.025	0.050
delta-BHC	ND		0.010	0.050
Dieldrin	ND		0.0098	0.050
Endosulfan I	ND		0.011	0.050
Endosulfan II	ND		0.012	0.050
Endosulfan sulfate	ND		0.016	0.050
Endrin	ND		0.014	0.050
Endrin aldehyde	ND		0.016	0.050
Endrin ketone	ND		0.012	0.050
gamma-BHC (Lindane)	ND		0.0060	0.050
gamma-Chlordane	ND		0.011	0.050
Heptachlor	ND		0.0085	0.050
Heptachlor epoxide	ND		0.0053	0.050
Methoxychlor	ND		0.014	0.050
Toxaphene	ND		0.12	0.50

Surrogate	% Rec	Acceptance Limits
DCB Decachlorobiphenyl	61	20 - 120
Tetrachloro-m-xylene	79	36 - 120

Client: Sterling Environmental Engineering PC

Job Number: 480-55783-1

Lab Control Sample - Batch: 480-169831

Method: 8081B
Preparation: 3510C

Lab Sample ID:	LCS 480-169831/2-A	Analysis Batch:	480-170073	Instrument ID:	HP6890-6
Client Matrix:	Water	Prep Batch:	480-169831	Lab File ID:	6__13181.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	250 mL
Analysis Date:	03/14/2014 1459	Units:	ug/L	Final Weight/Volume:	2 mL
Prep Date:	03/13/2014 0850			Injection Volume:	1 uL
Leach Date:	N/A			Column ID:	PRIMARY

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
4,4'-DDD	0.400	0.386	96	51 - 138	
4,4'-DDE	0.400	0.418	104	45 - 133	
4,4'-DDT	0.400	0.377	94	50 - 136	
Aldrin	0.400	0.396	99	40 - 125	
alpha-BHC	0.400	0.371	93	52 - 125	
alpha-Chlordane	0.400	0.260	65	52 - 133	
beta-BHC	0.400	0.422	106	51 - 135	
delta-BHC	0.400	0.353	88	51 - 132	
Dieldrin	0.400	0.443	111	49 - 136	
Endosulfan I	0.400	0.356	89	51 - 134	
Endosulfan II	0.400	0.421	105	52 - 138	
Endosulfan sulfate	0.400	0.458	115	47 - 136	
Endrin	0.400	0.451	113	52 - 143	
Endrin aldehyde	0.400	0.419	105	46 - 134	
Endrin ketone	0.400	0.463	116	51 - 138	
gamma-BHC (Lindane)	0.400	0.396	99	56 - 127	
gamma-Chlordane	0.400	0.370	92	52 - 128	
Heptachlor	0.400	0.434	108	51 - 125	
Heptachlor epoxide	0.400	0.427	107	50 - 140	
Methoxychlor	0.400	0.527	132	50 - 151	

Surrogate	% Rec	Acceptance Limits
DCB Decachlorobiphenyl	70	20 - 120
Tetrachloro-m-xylene	82	36 - 120

Client: Sterling Environmental Engineering PC

Job Number: 480-55783-1

Method Blank - Batch: 480-169813

Method: 8082A
Preparation: 3510C

Lab Sample ID:	MB 480-169813/1-A	Analysis Batch:	480-170037	Instrument ID:	HP5890-12
Client Matrix:	Water	Prep Batch:	480-169813	Lab File ID:	12_279_119.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	250 mL
Analysis Date:	03/14/2014 1054	Units:	ug/L	Final Weight/Volume:	2 mL
Prep Date:	03/13/2014 0705			Injection Volume:	1 uL
Leach Date:	N/A			Column ID:	PRIMARY

Analyte	Result	Qual	MDL	RL
PCB-1016	ND		0.18	0.50
PCB-1221	ND		0.18	0.50
PCB-1232	ND		0.18	0.50
PCB-1242	ND		0.18	0.50
PCB-1248	ND		0.18	0.50
PCB-1254	ND		0.25	0.50
PCB-1260	ND		0.25	0.50

Surrogate	% Rec	Acceptance Limits
Tetrachloro-m-xylene	89	23 - 127
DCB Decachlorobiphenyl	81	19 - 126

Lab Control Sample - Batch: 480-169813

Method: 8082A
Preparation: 3510C

Lab Sample ID:	LCS 480-169813/2-A	Analysis Batch:	480-170037	Instrument ID:	HP5890-12
Client Matrix:	Water	Prep Batch:	480-169813	Lab File ID:	12_279_120.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	250 mL
Analysis Date:	03/14/2014 1108	Units:	ug/L	Final Weight/Volume:	2 mL
Prep Date:	03/13/2014 0705			Injection Volume:	1 uL
Leach Date:	N/A			Column ID:	PRIMARY

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
PCB-1016	4.00	3.50	87	51 - 137	
PCB-1260	4.00	3.58	89	45 - 139	

Surrogate	% Rec	Acceptance Limits
Tetrachloro-m-xylene	89	23 - 127
DCB Decachlorobiphenyl	82	19 - 126

Client: Sterling Environmental Engineering PC

Job Number: 480-55783-1

Method Blank - Batch: 480-169808

Method: 8151A
Preparation: 8151A

Lab Sample ID:	MB 480-169808/1-A	Analysis Batch:	480-170053	Instrument ID:	HP5890-13
Client Matrix:	Water	Prep Batch:	480-169808	Lab File ID:	13_56014.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	1000 mL
Analysis Date:	03/14/2014 1337	Units:	ug/L	Final Weight/Volume:	10 mL
Prep Date:	03/13/2014 0549			Injection Volume:	1 uL
Leach Date:	N/A			Column ID:	PRIMARY

Analyte	Result	Qual	MDL	RL
2,4-D	ND		0.40	0.50
Silvex (2,4,5-TP)	ND		0.36	0.50

Surrogate	% Rec	Acceptance Limits
2,4-Dichlorophenylacetic acid	100	40 - 135

Lab Control Sample - Batch: 480-169808

Method: 8151A
Preparation: 8151A

Lab Sample ID:	LCS 480-169808/2-A	Analysis Batch:	480-170053	Instrument ID:	HP5890-13
Client Matrix:	Water	Prep Batch:	480-169808	Lab File ID:	13_56015.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	1000 mL
Analysis Date:	03/14/2014 1407	Units:	ug/L	Final Weight/Volume:	10 mL
Prep Date:	03/13/2014 0549			Injection Volume:	1 uL
Leach Date:	N/A			Column ID:	PRIMARY

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
2,4-D	2.00	2.21	110	46 - 161	
Silvex (2,4,5-TP)	2.00	2.48	124	44 - 154	

Surrogate	% Rec	Acceptance Limits
2,4-Dichlorophenylacetic acid	120	40 - 135

Client: Sterling Environmental Engineering PC

Job Number: 480-55783-1

Method Blank - Batch: 480-169698

Method: 6010C
Preparation: 3005A

Lab Sample ID:	MB 480-169698/1-A	Analysis Batch:	480-170155	Instrument ID:	ICAP1
Client Matrix:	Water	Prep Batch:	480-169698	Lab File ID:	I1031414A-3.asc
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	50 mL
Analysis Date:	03/14/2014 1229	Units:	mg/L	Final Weight/Volume:	50 mL
Prep Date:	03/12/2014 0930				
Leach Date:	N/A				

Analyte	Result	Qual	MDL	RL
Aluminum	ND		0.060	0.20
Antimony	ND		0.0068	0.020
Arsenic	ND		0.0056	0.015
Barium	ND		0.00070	0.0020
Beryllium	ND		0.00030	0.0020
Cadmium	ND		0.00050	0.0020
Calcium	ND		0.10	0.50
Chromium	ND		0.0010	0.0040
Cobalt	ND		0.00063	0.0040
Copper	ND		0.0016	0.010
Iron	ND		0.019	0.050
Lead	ND		0.0030	0.010
Magnesium	ND		0.043	0.20
Manganese	ND		0.00040	0.0030
Nickel	ND		0.0013	0.010
Potassium	ND		0.10	0.50
Selenium	ND		0.0087	0.025
Silver	ND		0.0017	0.0060
Sodium	ND		0.32	1.0
Thallium	ND		0.010	0.020
Vanadium	ND		0.0015	0.0050
Zinc	ND		0.0015	0.010

Client: Sterling Environmental Engineering PC

Job Number: 480-55783-1

Lab Control Sample - Batch: 480-169698

Method: 6010C
Preparation: 3005A

Lab Sample ID:	LCS 480-169698/2-A	Analysis Batch:	480-170104	Instrument ID:	ICAP1
Client Matrix:	Water	Prep Batch:	480-169698	Lab File ID:	I1031314B-11.asc
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	50 mL
Analysis Date:	03/13/2014 2340	Units:	mg/L	Final Weight/Volume:	50 mL
Prep Date:	03/12/2014 0930				
Leach Date:	N/A				

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
Aluminum	10.0	10.20	102	80 - 120	
Antimony	0.200	0.203	102	80 - 120	
Arsenic	0.200	0.213	107	80 - 120	
Barium	0.200	0.208	104	80 - 120	
Beryllium	0.200	0.208	104	80 - 120	
Cadmium	0.200	0.207	104	80 - 120	
Calcium	10.0	9.83	98	80 - 120	
Chromium	0.200	0.200	100	80 - 120	
Cobalt	0.200	0.203	101	80 - 120	
Copper	0.200	0.209	105	80 - 120	
Iron	10.0	10.05	100	80 - 120	
Lead	0.200	0.202	101	80 - 120	
Magnesium	10.0	10.36	104	80 - 120	
Manganese	0.200	0.206	103	80 - 120	
Nickel	0.200	0.208	104	80 - 120	
Potassium	10.0	10.19	102	80 - 120	
Selenium	0.200	0.210	105	80 - 120	
Silver	0.0500	0.0502	100	80 - 120	
Sodium	10.0	10.12	101	80 - 120	
Thallium	0.200	0.204	102	80 - 120	
Vanadium	0.200	0.205	102	80 - 120	
Zinc	0.200	0.197	98	80 - 120	

Client: Sterling Environmental Engineering PC

Job Number: 480-55783-1

Method Blank - Batch: 480-170056

Method: 6010C
Preparation: 3005A

Lab Sample ID:	MB 480-170056/1-A	Analysis Batch:	480-170400	Instrument ID:	ICAP1
Client Matrix:	Water	Prep Batch:	480-170056	Lab File ID:	I1031414B-8.asc
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	50 mL
Analysis Date:	03/14/2014 2136	Units:	mg/L	Final Weight/Volume:	50 mL
Prep Date:	03/14/2014 0915				
Leach Date:	N/A				

Analyte	Result	Qual	MDL	RL
Aluminum	ND		0.060	0.20
Antimony	ND		0.0068	0.020
Arsenic	ND		0.0056	0.015
Barium	ND		0.00070	0.0020
Beryllium	ND		0.00030	0.0020
Cadmium	ND		0.00050	0.0020
Calcium	ND		0.10	0.50
Chromium	ND		0.0010	0.0040
Cobalt	ND		0.00063	0.0040
Copper	ND		0.0016	0.010
Iron	ND		0.019	0.050
Lead	ND		0.0030	0.010
Magnesium	ND		0.043	0.20
Manganese	0.00139	J	0.00040	0.0030
Nickel	ND		0.0013	0.010
Potassium	ND		0.10	0.50
Selenium	ND		0.0087	0.025
Silver	ND		0.0017	0.0060
Sodium	ND		0.32	1.0
Thallium	ND		0.010	0.020
Vanadium	ND		0.0015	0.0050
Zinc	0.00155	J	0.0015	0.010

Client: Sterling Environmental Engineering PC

Job Number: 480-55783-1

Lab Control Sample - Batch: 480-170056

Method: 6010C
Preparation: 3005A

Lab Sample ID:	LCS 480-170056/2-A	Analysis Batch:	480-170400	Instrument ID:	ICAP1
Client Matrix:	Water	Prep Batch:	480-170056	Lab File ID:	I1031414B-8.asc
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	50 mL
Analysis Date:	03/14/2014 2148	Units:	mg/L	Final Weight/Volume:	50 mL
Prep Date:	03/14/2014 0915				
Leach Date:	N/A				

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
Aluminum	10.0	10.03	100	80 - 120	
Antimony	0.200	0.199	100	80 - 120	
Arsenic	0.200	0.207	104	80 - 120	
Barium	0.200	0.204	102	80 - 120	
Beryllium	0.200	0.208	104	80 - 120	
Cadmium	0.200	0.197	98	80 - 120	
Calcium	10.0	9.69	97	80 - 120	
Chromium	0.200	0.198	99	80 - 120	
Cobalt	0.200	0.196	98	80 - 120	
Copper	0.200	0.197	99	80 - 120	
Iron	10.0	10.08	101	80 - 120	
Lead	0.200	0.198	99	80 - 120	
Magnesium	10.0	10.23	102	80 - 120	
Manganese	0.200	0.204	102	80 - 120	
Nickel	0.200	0.195	98	80 - 120	
Potassium	10.0	9.79	98	80 - 120	
Selenium	0.200	0.202	101	80 - 120	
Silver	0.0500	0.0493	99	80 - 120	
Sodium	10.0	9.61	96	80 - 120	
Thallium	0.200	0.203	101	80 - 120	
Vanadium	0.200	0.197	98	80 - 120	
Zinc	0.200	0.194	97	80 - 120	

Client: Sterling Environmental Engineering PC

Job Number: 480-55783-1

Method Blank - Batch: 480-169716

Method: 7470A
Preparation: 7470A

Lab Sample ID:	MB 480-169716/1-A	Analysis Batch:	480-169960	Instrument ID:	LEEMAN2
Client Matrix:	Water	Prep Batch:	480-169716	Lab File ID:	H03134W1.PRN
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	30 mL
Analysis Date:	03/13/2014 1317	Units:	mg/L	Final Weight/Volume:	50 mL
Prep Date:	03/12/2014 0905				
Leach Date:	N/A				

Analyte	Result	Qual	MDL	RL
Mercury	ND		0.00012	0.00020

Lab Control Sample - Batch: 480-169716

Method: 7470A
Preparation: 7470A

Lab Sample ID:	LCS 480-169716/2-A	Analysis Batch:	480-169960	Instrument ID:	LEEMAN2
Client Matrix:	Water	Prep Batch:	480-169716	Lab File ID:	H03134W1.PRN
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	30 mL
Analysis Date:	03/13/2014 1319	Units:	mg/L	Final Weight/Volume:	50 mL
Prep Date:	03/12/2014 0905				
Leach Date:	N/A				

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
Mercury	0.00667	0.00667	100	80 - 120	

Client: Sterling Environmental Engineering PC

Job Number: 480-55783-1

Method Blank - Batch: 480-169814

Method: 7470A
Preparation: 7470A

Lab Sample ID:	MB 480-169814/1-A	Analysis Batch:	480-169960	Instrument ID:	LEEMAN2
Client Matrix:	Water	Prep Batch:	480-169814	Lab File ID:	H03134W1.PRN
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	30 mL
Analysis Date:	03/13/2014 1407	Units:	mg/L	Final Weight/Volume:	50 mL
Prep Date:	03/13/2014 0830				
Leach Date:	N/A				

Analyte	Result	Qual	MDL	RL
Mercury	ND		0.00012	0.00020

Lab Control Sample - Batch: 480-169814

Method: 7470A
Preparation: 7470A

Lab Sample ID:	LCS 480-169814/2-A	Analysis Batch:	480-169960	Instrument ID:	LEEMAN2
Client Matrix:	Water	Prep Batch:	480-169814	Lab File ID:	H03134W1.PRN
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	30 mL
Analysis Date:	03/13/2014 1408	Units:	mg/L	Final Weight/Volume:	50 mL
Prep Date:	03/13/2014 0830				
Leach Date:	N/A				

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
Mercury	0.00667	0.00608	91	80 - 120	

Client: Sterling Environmental Engineering PC

Job Number: 480-55783-1

Method Blank - Batch: 480-169633

Method: 335.4
Preparation: Distill/CN

Lab Sample ID:	MB 480-169633/1-A	Analysis Batch:	480-169758	Instrument ID:	LACHAT2
Client Matrix:	Water	Prep Batch:	480-169633	Lab File ID:	OM_3-12-2014_09-51-53A
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	50 mL
Analysis Date:	03/12/2014 1008	Units:	mg/L	Final Weight/Volume:	50 mL
Prep Date:	03/11/2014 1650				
Leach Date:	N/A				

Analyte	Result	Qual	MDL	RL
Cyanide, Total	0.0127		0.0050	0.010

Lab Control Sample - Batch: 480-169633

Method: 335.4
Preparation: Distill/CN

Lab Sample ID:	LCS 480-169633/2-A	Analysis Batch:	480-169758	Instrument ID:	LACHAT2
Client Matrix:	Water	Prep Batch:	480-169633	Lab File ID:	OM_3-12-2014_09-51-53A
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	50 mL
Analysis Date:	03/12/2014 1009	Units:	mg/L	Final Weight/Volume:	50 mL
Prep Date:	03/11/2014 1650				
Leach Date:	N/A				

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
Cyanide, Total	0.400	0.406	102	90 - 110	

Client: Sterling Environmental Engineering PC

Job Number: 480-55783-1

Method Blank - Batch: 480-170470

Method: 335.4
Preparation: Distill/CN

Lab Sample ID:	MB 480-170470/1-A	Analysis Batch:	480-170587	Instrument ID:	LACHAT2
Client Matrix:	Water	Prep Batch:	480-170470	Lab File ID:	OM_3-18-2014_10-03-22A
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	50 mL
Analysis Date:	03/18/2014 1032	Units:	mg/L	Final Weight/Volume:	50 mL
Prep Date:	03/17/2014 1622				
Leach Date:	N/A				

Analyte	Result	Qual	MDL	RL
Cyanide, Total	0.0136		0.0050	0.010

Lab Control Sample - Batch: 480-170470

Method: 335.4
Preparation: Distill/CN

Lab Sample ID:	LCS 480-170470/2-A	Analysis Batch:	480-170587	Instrument ID:	LACHAT2
Client Matrix:	Water	Prep Batch:	480-170470	Lab File ID:	OM_3-18-2014_10-03-22A
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	50 mL
Analysis Date:	03/18/2014 1032	Units:	mg/L	Final Weight/Volume:	50 mL
Prep Date:	03/17/2014 1622				
Leach Date:	N/A				

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
Cyanide, Total	0.400	0.428	107	90 - 110	

DATA REPORTING QUALIFIERS

Client: Sterling Environmental Engineering PC Job Number: 480-55783-1

Lab Section	Qualifier	Description
GC/MS VOA		
	J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.
GC/MS Semi VOA		
	*	ISTD response or retention time outside acceptable limits
	J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.
GC Semi VOA		
	J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.
	X	Surrogate is outside control limits
Metals		
	B	Compound was found in the blank and sample.
	J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.
General Chemistry		
	B	Compound was found in the blank and sample.
	J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

Client: Sterling Environmental Engineering PC

Job Number: 480-55783-1

QC Association Summary

Lab Sample ID	Client Sample ID	Report Basis	Client Matrix	Method	Prep Batch
GC/MS VOA					
Analysis Batch:480-169643					
LCS 480-169643/6	Lab Control Sample	T	Water	8260C	
MB 480-169643/8	Method Blank	T	Water	8260C	
480-55783-1	MW-P	T	Water	8260C	
480-55783-2	MW-3	T	Water	8260C	
Analysis Batch:480-169830					
LCS 480-169830/5	Lab Control Sample	T	Water	8260C	
MB 480-169830/7	Method Blank	T	Water	8260C	
480-55880-1	MW-1	T	Water	8260C	
480-55880-2	MW-4	T	Water	8260C	
480-55880-3	MW-5	T	Water	8260C	

Report Basis
T = Total

GC/MS Semi VOA					
Prep Batch: 480-169810					
LCS 480-169810/2-A	Lab Control Sample	T	Water	3510C	
MB 480-169810/1-A	Method Blank	T	Water	3510C	
480-55783-1	MW-P	T	Water	3510C	
480-55783-2	MW-3	T	Water	3510C	
480-55880-1	MW-1	T	Water	3510C	
480-55880-2	MW-4	T	Water	3510C	
480-55880-3	MW-5	T	Water	3510C	
Analysis Batch:480-170376					
LCS 480-169810/2-A	Lab Control Sample	T	Water	8270D	480-169810
MB 480-169810/1-A	Method Blank	T	Water	8270D	480-169810
480-55783-1	MW-P	T	Water	8270D	480-169810
480-55783-2	MW-3	T	Water	8270D	480-169810
480-55880-1	MW-1	T	Water	8270D	480-169810
480-55880-2	MW-4	T	Water	8270D	480-169810
480-55880-3	MW-5	T	Water	8270D	480-169810

Report Basis
T = Total

Client: Sterling Environmental Engineering PC

Job Number: 480-55783-1

QC Association Summary

Lab Sample ID	Client Sample ID	Report Basis	Client Matrix	Method	Prep Batch
GC Semi VOA					
Prep Batch: 480-169808					
LCS 480-169808/2-A	Lab Control Sample	T	Water	8151A	
MB 480-169808/1-A	Method Blank	T	Water	8151A	
480-55783-1	MW-P	T	Water	8151A	
480-55783-2	MW-3	T	Water	8151A	
480-55880-1	MW-1	T	Water	8151A	
480-55880-2	MW-4	T	Water	8151A	
480-55880-3	MW-5	T	Water	8151A	
Prep Batch: 480-169813					
LCS 480-169813/2-A	Lab Control Sample	T	Water	3510C	
MB 480-169813/1-A	Method Blank	T	Water	3510C	
480-55783-1	MW-P	T	Water	3510C	
480-55783-2	MW-3	T	Water	3510C	
480-55880-1	MW-1	T	Water	3510C	
480-55880-2	MW-4	T	Water	3510C	
480-55880-3	MW-5	T	Water	3510C	
Prep Batch: 480-169831					
LCS 480-169831/2-A	Lab Control Sample	T	Water	3510C	
MB 480-169831/1-A	Method Blank	T	Water	3510C	
480-55783-1	MW-P	T	Water	3510C	
480-55783-2	MW-3	T	Water	3510C	
480-55880-1	MW-1	T	Water	3510C	
480-55880-2	MW-4	T	Water	3510C	
480-55880-3	MW-5	T	Water	3510C	
Analysis Batch:480-170037					
LCS 480-169813/2-A	Lab Control Sample	T	Water	8082A	480-169813
MB 480-169813/1-A	Method Blank	T	Water	8082A	480-169813
480-55783-1	MW-P	T	Water	8082A	480-169813
480-55783-2	MW-3	T	Water	8082A	480-169813
480-55880-1	MW-1	T	Water	8082A	480-169813
480-55880-2	MW-4	T	Water	8082A	480-169813
480-55880-3	MW-5	T	Water	8082A	480-169813
Analysis Batch:480-170053					
LCS 480-169808/2-A	Lab Control Sample	T	Water	8151A	480-169808
MB 480-169808/1-A	Method Blank	T	Water	8151A	480-169808
480-55783-1	MW-P	T	Water	8151A	480-169808
480-55783-2	MW-3	T	Water	8151A	480-169808
480-55880-1	MW-1	T	Water	8151A	480-169808
480-55880-2	MW-4	T	Water	8151A	480-169808
480-55880-3	MW-5	T	Water	8151A	480-169808

Client: Sterling Environmental Engineering PC

Job Number: 480-55783-1

QC Association Summary

Lab Sample ID	Client Sample ID	Report Basis	Client Matrix	Method	Prep Batch
GC Semi VOA					
Analysis Batch:480-170073					
LCS 480-169831/2-A	Lab Control Sample	T	Water	8081B	480-169831
MB 480-169831/1-A	Method Blank	T	Water	8081B	480-169831
480-55783-1	MW-P	T	Water	8081B	480-169831
480-55783-2	MW-3	T	Water	8081B	480-169831
480-55880-1	MW-1	T	Water	8081B	480-169831
480-55880-2	MW-4	T	Water	8081B	480-169831
480-55880-3	MW-5	T	Water	8081B	480-169831

Report Basis
T = Total

Client: Sterling Environmental Engineering PC Job Number: 480-55783-1

QC Association Summary

Lab Sample ID	Client Sample ID	Report Basis	Client Matrix	Method	Prep Batch
Metals					
Prep Batch: 480-169698					
LCS 480-169698/2-A	Lab Control Sample	T	Water	3005A	
MB 480-169698/1-A	Method Blank	T	Water	3005A	
480-55783-1	MW-P	T	Water	3005A	
480-55783-2	MW-3	T	Water	3005A	
Prep Batch: 480-169716					
LCS 480-169716/2-A	Lab Control Sample	T	Water	7470A	
MB 480-169716/1-A	Method Blank	T	Water	7470A	
480-55783-1	MW-P	T	Water	7470A	
480-55783-2	MW-3	T	Water	7470A	
Prep Batch: 480-169814					
LCS 480-169814/2-A	Lab Control Sample	T	Water	7470A	
MB 480-169814/1-A	Method Blank	T	Water	7470A	
480-55880-1	MW-1	T	Water	7470A	
480-55880-2	MW-4	T	Water	7470A	
480-55880-3	MW-5	T	Water	7470A	
Analysis Batch:480-169960					
LCS 480-169716/2-A	Lab Control Sample	T	Water	7470A	480-169716
MB 480-169716/1-A	Method Blank	T	Water	7470A	480-169716
LCS 480-169814/2-A	Lab Control Sample	T	Water	7470A	480-169814
MB 480-169814/1-A	Method Blank	T	Water	7470A	480-169814
480-55783-1	MW-P	T	Water	7470A	480-169716
480-55783-2	MW-3	T	Water	7470A	480-169716
480-55880-1	MW-1	T	Water	7470A	480-169814
480-55880-2	MW-4	T	Water	7470A	480-169814
480-55880-3	MW-5	T	Water	7470A	480-169814
Prep Batch: 480-170056					
LCS 480-170056/2-A	Lab Control Sample	T	Water	3005A	
MB 480-170056/1-A	Method Blank	T	Water	3005A	
480-55880-1	MW-1	T	Water	3005A	
480-55880-2	MW-4	T	Water	3005A	
480-55880-3	MW-5	T	Water	3005A	
Analysis Batch:480-170104					
LCS 480-169698/2-A	Lab Control Sample	T	Water	6010C	480-169698
480-55783-1	MW-P	T	Water	6010C	480-169698
480-55783-2	MW-3	T	Water	6010C	480-169698
Analysis Batch:480-170155					
MB 480-169698/1-A	Method Blank	T	Water	6010C	480-169698

Client: Sterling Environmental Engineering PC

Job Number: 480-55783-1

QC Association Summary

Lab Sample ID	Client Sample ID	Report Basis	Client Matrix	Method	Prep Batch
Metals					
Analysis Batch:480-170400					
LCS 480-170056/2-A	Lab Control Sample	T	Water	6010C	480-170056
MB 480-170056/1-A	Method Blank	T	Water	6010C	480-170056
480-55880-1	MW-1	T	Water	6010C	480-170056
480-55880-2	MW-4	T	Water	6010C	480-170056
480-55880-3	MW-5	T	Water	6010C	480-170056
General Chemistry					
Prep Batch: 480-169633					
LCS 480-169633/2-A	Lab Control Sample	T	Water	Distill/CN	
MB 480-169633/1-A	Method Blank	T	Water	Distill/CN	
480-55783-1	MW-P	T	Water	Distill/CN	
480-55783-2	MW-3	T	Water	Distill/CN	
Analysis Batch:480-169758					
LCS 480-169633/2-A	Lab Control Sample	T	Water	335.4	480-169633
MB 480-169633/1-A	Method Blank	T	Water	335.4	480-169633
480-55783-1	MW-P	T	Water	335.4	480-169633
480-55783-2	MW-3	T	Water	335.4	480-169633
Prep Batch: 480-170470					
LCS 480-170470/2-A	Lab Control Sample	T	Water	Distill/CN	
MB 480-170470/1-A	Method Blank	T	Water	Distill/CN	
480-55880-1	MW-1	T	Water	Distill/CN	
480-55880-2	MW-4	T	Water	Distill/CN	
480-55880-3	MW-5	T	Water	Distill/CN	
Analysis Batch:480-170587					
LCS 480-170470/2-A	Lab Control Sample	T	Water	335.4	480-170470
MB 480-170470/1-A	Method Blank	T	Water	335.4	480-170470
480-55880-1	MW-1	T	Water	335.4	480-170470
480-55880-2	MW-4	T	Water	335.4	480-170470
480-55880-3	MW-5	T	Water	335.4	480-170470

Report Basis
T = Total

Report Basis
T = Total

Client: Sterling Environmental Engineering PC Job Number: 480-55783-1

Laboratory Chronicle

Lab ID: 480-55783-1 **Client ID:** MW-P

Sample Date/Time: 03/10/2014 14:05 Received Date/Time: 03/11/2014 10:58

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:5030C	480-55783-K-1		480-169643		03/12/2014 04:44	1	TAL BUF	NQN
A:8260C	480-55783-K-1		480-169643		03/12/2014 04:44	1	TAL BUF	NQN
P:3510C	480-55783-G-1-A		480-170376	480-169810	03/13/2014 06:53	1	TAL BUF	TRG
A:8270D	480-55783-G-1-A		480-170376	480-169810	03/17/2014 23:40	1	TAL BUF	RMM
P:3510C	480-55783-F-1-A		480-170073	480-169831	03/13/2014 08:50	1	TAL BUF	TRG
A:8081B	480-55783-F-1-A		480-170073	480-169831	03/14/2014 15:16	1	TAL BUF	LMW
P:3510C	480-55783-E-1-A		480-170037	480-169813	03/13/2014 07:05	1	TAL BUF	MRB
A:8082A	480-55783-E-1-A		480-170037	480-169813	03/14/2014 16:19	1	TAL BUF	JMM
P:8151A	480-55783-A-1-A		480-170053	480-169808	03/13/2014 05:49	1	TAL BUF	KEB
A:8151A	480-55783-A-1-A		480-170053	480-169808	03/14/2014 15:36	1	TAL BUF	DGB
P:3005A	480-55783-I-1-A		480-170104	480-169698	03/12/2014 09:30	1	TAL BUF	EHD
A:6010C	480-55783-I-1-A		480-170104	480-169698	03/14/2014 01:08	1	TAL BUF	LMH
P:7470A	480-55783-I-1-B		480-169960	480-169716	03/12/2014 09:05	1	TAL BUF	JRK
A:7470A	480-55783-I-1-B		480-169960	480-169716	03/13/2014 13:53	1	TAL BUF	JRK
P:Distill/CN	480-55783-J-1-A		480-169758	480-169633	03/11/2014 16:50	1	TAL BUF	JMB
A:335.4	480-55783-J-1-A		480-169758	480-169633	03/12/2014 10:13	1	TAL BUF	NCH

Lab ID: 480-55783-2 **Client ID:** MW-3

Sample Date/Time: 03/10/2014 15:00 Received Date/Time: 03/11/2014 10:58

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:5030C	480-55783-K-2		480-169643		03/12/2014 05:05	1	TAL BUF	NQN
A:8260C	480-55783-K-2		480-169643		03/12/2014 05:05	1	TAL BUF	NQN
P:3510C	480-55783-G-2-A		480-170376	480-169810	03/13/2014 06:53	1	TAL BUF	TRG
A:8270D	480-55783-G-2-A		480-170376	480-169810	03/18/2014 00:04	1	TAL BUF	RMM
P:3510C	480-55783-D-2-A		480-170073	480-169831	03/13/2014 08:50	1	TAL BUF	TRG
A:8081B	480-55783-D-2-A		480-170073	480-169831	03/14/2014 15:34	1	TAL BUF	LMW
P:3510C	480-55783-E-2-A		480-170037	480-169813	03/13/2014 07:05	1	TAL BUF	MRB
A:8082A	480-55783-E-2-A		480-170037	480-169813	03/14/2014 16:34	1	TAL BUF	JMM
P:8151A	480-55783-B-2-A		480-170053	480-169808	03/13/2014 05:49	1	TAL BUF	KEB
A:8151A	480-55783-B-2-A		480-170053	480-169808	03/14/2014 16:06	1	TAL BUF	DGB
P:3005A	480-55783-I-2-A		480-170104	480-169698	03/12/2014 09:30	1	TAL BUF	EHD
A:6010C	480-55783-I-2-A		480-170104	480-169698	03/14/2014 01:11	1	TAL BUF	LMH
P:7470A	480-55783-I-2-B		480-169960	480-169716	03/12/2014 09:05	1	TAL BUF	JRK
A:7470A	480-55783-I-2-B		480-169960	480-169716	03/13/2014 13:58	1	TAL BUF	JRK
P:Distill/CN	480-55783-J-2-A		480-169758	480-169633	03/11/2014 16:50	1	TAL BUF	JMB
A:335.4	480-55783-J-2-A		480-169758	480-169633	03/12/2014 10:14	1	TAL BUF	NCH

Client: Sterling Environmental Engineering PC Job Number: 480-55783-1

Laboratory Chronicle

Lab ID: 480-55880-1 **Client ID:** MW-1

Sample Date/Time: 03/11/2014 15:20 Received Date/Time: 03/12/2014 09:00

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:5030C	480-55880-K-1		480-169830		03/13/2014 17:00	1	TAL BUF	NMD1
A:8260C	480-55880-K-1		480-169830		03/13/2014 17:00	1	TAL BUF	NMD1
P:3510C	480-55880-D-1-A		480-170376	480-169810	03/13/2014 06:53	1	TAL BUF	TRG
A:8270D	480-55880-D-1-A		480-170376	480-169810	03/18/2014 02:02	1	TAL BUF	RMM
P:3510C	480-55880-H-1-A		480-170073	480-169831	03/13/2014 08:50	5	TAL BUF	TRG
A:8081B	480-55880-H-1-A		480-170073	480-169831	03/14/2014 16:09	5	TAL BUF	LMW
P:3510C	480-55880-C-1-A		480-170037	480-169813	03/13/2014 07:05	1	TAL BUF	MRB
A:8082A	480-55880-C-1-A		480-170037	480-169813	03/14/2014 12:07	1	TAL BUF	JMM
P:8151A	480-55880-A-1-A		480-170053	480-169808	03/13/2014 05:49	1	TAL BUF	KEB
A:8151A	480-55880-A-1-A		480-170053	480-169808	03/14/2014 18:34	1	TAL BUF	DGB
P:3005A	480-55880-I-1-B		480-170400	480-170056	03/14/2014 09:15	1	TAL BUF	EHD
A:6010C	480-55880-I-1-B		480-170400	480-170056	03/14/2014 22:46	1	TAL BUF	LMH
P:7470A	480-55880-I-1-A		480-169960	480-169814	03/13/2014 08:30	1	TAL BUF	JRK
A:7470A	480-55880-I-1-A		480-169960	480-169814	03/13/2014 14:55	1	TAL BUF	JRK
P:Distill/CN	480-55880-J-1-A		480-170587	480-170470	03/17/2014 16:22	1	TAL BUF	JMB
A:335.4	480-55880-J-1-A		480-170587	480-170470	03/18/2014 10:33	1	TAL BUF	NCH

Lab ID: 480-55880-2 **Client ID:** MW-4

Sample Date/Time: 03/11/2014 14:35 Received Date/Time: 03/12/2014 09:00

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:5030C	480-55880-K-2		480-169830		03/13/2014 17:21	1	TAL BUF	NMD1
A:8260C	480-55880-K-2		480-169830		03/13/2014 17:21	1	TAL BUF	NMD1
P:3510C	480-55880-F-2-A		480-170376	480-169810	03/13/2014 06:53	1	TAL BUF	TRG
A:8270D	480-55880-F-2-A		480-170376	480-169810	03/18/2014 02:50	1	TAL BUF	RMM
P:3510C	480-55880-C-2-A		480-170073	480-169831	03/13/2014 08:50	5	TAL BUF	TRG
A:8081B	480-55880-C-2-A		480-170073	480-169831	03/14/2014 15:52	5	TAL BUF	LMW
P:3510C	480-55880-D-2-A		480-170037	480-169813	03/13/2014 07:05	1	TAL BUF	MRB
A:8082A	480-55880-D-2-A		480-170037	480-169813	03/14/2014 12:22	1	TAL BUF	JMM
P:8151A	480-55880-B-2-A		480-170053	480-169808	03/13/2014 05:49	1	TAL BUF	KEB
A:8151A	480-55880-B-2-A		480-170053	480-169808	03/14/2014 19:04	1	TAL BUF	DGB
P:3005A	480-55880-I-2-B		480-170400	480-170056	03/14/2014 09:15	1	TAL BUF	EHD
A:6010C	480-55880-I-2-B		480-170400	480-170056	03/14/2014 22:57	1	TAL BUF	LMH
P:7470A	480-55880-I-2-A		480-169960	480-169814	03/13/2014 08:30	1	TAL BUF	JRK
A:7470A	480-55880-I-2-A		480-169960	480-169814	03/13/2014 14:57	1	TAL BUF	JRK
P:Distill/CN	480-55880-J-2-A		480-170587	480-170470	03/17/2014 16:22	1	TAL BUF	JMB
A:335.4	480-55880-J-2-A		480-170587	480-170470	03/18/2014 10:34	1	TAL BUF	NCH

Client: Sterling Environmental Engineering PC Job Number: 480-55783-1

Laboratory Chronicle

Lab ID: 480-55880-3 **Client ID:** MW-5

Sample Date/Time: 03/11/2014 13:50 Received Date/Time: 03/12/2014 09:00

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:5030C	480-55880-K-3		480-169830		03/13/2014 17:42	1	TAL BUF	NMD1
A:8260C	480-55880-K-3		480-169830		03/13/2014 17:42	1	TAL BUF	NMD1
P:3510C	480-55880-D-3-A		480-170376	480-169810	03/13/2014 06:53	1	TAL BUF	TRG
A:8270D	480-55880-D-3-A		480-170376	480-169810	03/18/2014 02:26	1	TAL BUF	RMM
P:3510C	480-55880-F-3-A		480-170073	480-169831	03/13/2014 08:50	1	TAL BUF	TRG
A:8081B	480-55880-F-3-A		480-170073	480-169831	03/14/2014 16:27	1	TAL BUF	LMW
P:3510C	480-55880-C-3-A		480-170037	480-169813	03/13/2014 07:05	1	TAL BUF	MRB
A:8082A	480-55880-C-3-A		480-170037	480-169813	03/14/2014 12:37	1	TAL BUF	JMM
P:8151A	480-55880-B-3-A		480-170053	480-169808	03/13/2014 05:49	1	TAL BUF	KEB
A:8151A	480-55880-B-3-A		480-170053	480-169808	03/14/2014 19:33	1	TAL BUF	DGB
P:3005A	480-55880-I-3-B		480-170400	480-170056	03/14/2014 09:15	1	TAL BUF	EHD
A:6010C	480-55880-I-3-B		480-170400	480-170056	03/14/2014 23:00	1	TAL BUF	LMH
P:7470A	480-55880-I-3-A		480-169960	480-169814	03/13/2014 08:30	1	TAL BUF	JRK
A:7470A	480-55880-I-3-A		480-169960	480-169814	03/13/2014 14:59	1	TAL BUF	JRK
P:Distill/CN	480-55880-J-3-A		480-170587	480-170470	03/17/2014 16:22	1	TAL BUF	JMB
A:335.4	480-55880-J-3-A		480-170587	480-170470	03/18/2014 10:37	1	TAL BUF	NCH

Client: Sterling Environmental Engineering PC

Job Number: 480-55783-1

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
P:5030C	MB 480-169643/8		480-169643		03/11/2014 22:19	1	TAL BUF	NQN
A:8260C	MB 480-169643/8		480-169643		03/11/2014 22:19	1	TAL BUF	NQN
P:5030C	MB 480-169830/7		480-169830		03/13/2014 11:34	1	TAL BUF	NMD1
A:8260C	MB 480-169830/7		480-169830		03/13/2014 11:34	1	TAL BUF	NMD1
P:3510C	MB 480-169810/1-A		480-170376	480-169810	03/13/2014 06:53	1	TAL BUF	TRG
A:8270D	MB 480-169810/1-A		480-170376	480-169810	03/17/2014 18:31	1	TAL BUF	RMM
P:3510C	MB 480-169831/1-A		480-170073	480-169831	03/13/2014 08:50	1	TAL BUF	TRG
A:8081B	MB 480-169831/1-A		480-170073	480-169831	03/14/2014 14:41	1	TAL BUF	LMW
P:3510C	MB 480-169813/1-A		480-170037	480-169813	03/13/2014 07:05	1	TAL BUF	MRB
A:8082A	MB 480-169813/1-A		480-170037	480-169813	03/14/2014 10:54	1	TAL BUF	JMM
P:8151A	MB 480-169808/1-A		480-170053	480-169808	03/13/2014 05:49	1	TAL BUF	KEB
A:8151A	MB 480-169808/1-A		480-170053	480-169808	03/14/2014 13:37	1	TAL BUF	DGB
P:3005A	MB 480-169698/1-A		480-170155	480-169698	03/12/2014 09:30	1	TAL BUF	EHD
A:6010C	MB 480-169698/1-A		480-170155	480-169698	03/14/2014 12:29	1	TAL BUF	LMH
P:3005A	MB 480-170056/1-A		480-170400	480-170056	03/14/2014 09:15	1	TAL BUF	EHD
A:6010C	MB 480-170056/1-A		480-170400	480-170056	03/14/2014 21:36	1	TAL BUF	LMH
P:7470A	MB 480-169716/1-A		480-169960	480-169716	03/12/2014 09:05	1	TAL BUF	JRK
A:7470A	MB 480-169716/1-A		480-169960	480-169716	03/13/2014 13:17	1	TAL BUF	JRK
P:7470A	MB 480-169814/1-A		480-169960	480-169814	03/13/2014 08:30	1	TAL BUF	JRK
A:7470A	MB 480-169814/1-A		480-169960	480-169814	03/13/2014 14:07	1	TAL BUF	JRK
P:Distill/CN	MB 480-169633/1-A		480-169758	480-169633	03/11/2014 16:50	1	TAL BUF	JMB
A:335.4	MB 480-169633/1-A		480-169758	480-169633	03/12/2014 10:08	1	TAL BUF	NCH
P:Distill/CN	MB 480-170470/1-A		480-170587	480-170470	03/17/2014 16:22	1	TAL BUF	JMB
A:335.4	MB 480-170470/1-A		480-170587	480-170470	03/18/2014 10:32	1	TAL BUF	NCH

Client: Sterling Environmental Engineering PC

Job Number: 480-55783-1

Laboratory Chronicle

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

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

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:5030C	LCS 480-169643/6		480-169643		03/11/2014 21:36	1	TAL BUF	NQN
A:8260C	LCS 480-169643/6		480-169643		03/11/2014 21:36	1	TAL BUF	NQN
P:5030C	LCS 480-169830/5		480-169830		03/13/2014 10:51	1	TAL BUF	NMD1
A:8260C	LCS 480-169830/5		480-169830		03/13/2014 10:51	1	TAL BUF	NMD1
P:3510C	LCS 480-169810/2-A		480-170376	480-169810	03/13/2014 06:53	1	TAL BUF	TRG
A:8270D	LCS 480-169810/2-A		480-170376	480-169810	03/17/2014 18:54	1	TAL BUF	RMM
P:3510C	LCS 480-169831/2-A		480-170073	480-169831	03/13/2014 08:50	1	TAL BUF	TRG
A:8081B	LCS 480-169831/2-A		480-170073	480-169831	03/14/2014 14:59	1	TAL BUF	LMW
P:3510C	LCS 480-169813/2-A		480-170037	480-169813	03/13/2014 07:05	1	TAL BUF	MRB
A:8082A	LCS 480-169813/2-A		480-170037	480-169813	03/14/2014 11:08	1	TAL BUF	JMM
P:8151A	LCS 480-169808/2-A		480-170053	480-169808	03/13/2014 05:49	1	TAL BUF	KEB
A:8151A	LCS 480-169808/2-A		480-170053	480-169808	03/14/2014 14:07	1	TAL BUF	DGB
P:3005A	LCS 480-169698/2-A		480-170104	480-169698	03/12/2014 09:30	1	TAL BUF	EHD
A:6010C	LCS 480-169698/2-A		480-170104	480-169698	03/13/2014 23:40	1	TAL BUF	LMH
P:3005A	LCS 480-170056/2-A		480-170400	480-170056	03/14/2014 09:15	1	TAL BUF	EHD
A:6010C	LCS 480-170056/2-A		480-170400	480-170056	03/14/2014 21:48	1	TAL BUF	LMH
P:7470A	LCS 480-169716/2-A		480-169960	480-169716	03/12/2014 09:05	1	TAL BUF	JRK
A:7470A	LCS 480-169716/2-A		480-169960	480-169716	03/13/2014 13:19	1	TAL BUF	JRK
P:7470A	LCS 480-169814/2-A		480-169960	480-169814	03/13/2014 08:30	1	TAL BUF	JRK
A:7470A	LCS 480-169814/2-A		480-169960	480-169814	03/13/2014 14:08	1	TAL BUF	JRK
P:Distill/CN	LCS 480-169633/2-A		480-169758	480-169633	03/11/2014 16:50	1	TAL BUF	JMB
A:335.4	LCS 480-169633/2-A		480-169758	480-169633	03/12/2014 10:09	1	TAL BUF	NCH
P:Distill/CN	LCS 480-170470/2-A		480-170587	480-170470	03/17/2014 16:22	1	TAL BUF	JMB
A:335.4	LCS 480-170470/2-A		480-170587	480-170470	03/18/2014 10:32	1	TAL BUF	NCH

Lab References:

TAL BUF = TestAmerica Buffalo

Certification Summary

Client: Sterling Environmental Engineering PC
Project/Site: Mt Kisco

TestAmerica Job ID: 480-55783-1

Laboratory	Authority	Program	EPA Region	Certification ID
TestAmerica Buffalo	Arkansas DEQ	State Program	6	88-0686
TestAmerica Buffalo	California	NELAP	9	1169CA
TestAmerica Buffalo	Connecticut	State Program	1	PH-0568
TestAmerica Buffalo	Florida	NELAP	4	E87672
TestAmerica Buffalo	Georgia	State Program	4	956
TestAmerica Buffalo	Georgia	State Program	4	N/A
TestAmerica Buffalo	Illinois	NELAP	5	200003
TestAmerica Buffalo	Iowa	State Program	7	374
TestAmerica Buffalo	Kansas	NELAP	7	E-10187
TestAmerica Buffalo	Kentucky (DW)	State Program	4	90029
TestAmerica Buffalo	Kentucky (UST)	State Program	4	30
TestAmerica Buffalo	Louisiana	NELAP	6	02031
TestAmerica Buffalo	Maine	State Program	1	NY00044
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	NELAP	5	036-999-337
TestAmerica Buffalo	New Hampshire	NELAP	1	2337
TestAmerica Buffalo	New Hampshire	NELAP	1	2973
TestAmerica Buffalo	New Jersey	NELAP	2	NY455
TestAmerica Buffalo	New York	NELAP	2	10026
TestAmerica Buffalo	North Dakota	State Program	8	R-176
TestAmerica Buffalo	Oklahoma	State Program	6	9421
TestAmerica Buffalo	Oregon	NELAP	10	NY200003
TestAmerica Buffalo	Pennsylvania	NELAP	3	68-00281
TestAmerica Buffalo	Rhode Island	State Program	1	LAO00328
TestAmerica Buffalo	Tennessee	State Program	4	TN02970
TestAmerica Buffalo	Texas	NELAP	6	T104704412-11-2
TestAmerica Buffalo	USDA	Federal		P330-11-00386
TestAmerica Buffalo	Virginia	NELAP	3	460185
TestAmerica Buffalo	Washington	State Program	10	C784
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 8260C

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

FORM II
GC/MS VOA SURROGATE RECOVERY

Lab Name: TestAmerica Buffalo Job No.: 480-55783-1

SDG No.:

Matrix: Water Level: Low

GC Column (1): RTX-CLPII ID: 0.53 (mm)

Client Sample ID	Lab Sample ID	DBFM #	DCA #	TOL #	BFB #
MW-P	480-55783-1	105	106	103	96
MW-3	480-55783-2	103	106	102	96
MW-1	480-55880-1	106	103	102	97
MW-4	480-55880-2	109	105	102	100
MW-5	480-55880-3	107	106	100	96
	MB 480-169643/8	98	101	99	91
	MB 480-169830/7	103	103	101	96
	LCS 480-169643/6	97	100	98	90
	LCS 480-169830/5	108	103	102	104

	QC LIMITS
DBFM = Dibromofluoromethane (Surr)	60-140
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 8260C

FORM III
GC/MS VOA LAB CONTROL SAMPLE RECOVERY

Lab Name: TestAmerica Buffalo Job No.: 480-55783-1

SDG No.:

Matrix: Water Level: Low Lab File ID: D9943.D

Lab ID: LCS 480-169643/6 Client ID:

COMPOUND	SPIKE ADDED (ug/L)	LCS CONCENTRATION (ug/L)	LCS % REC	QC LIMITS REC	#
1,1-Dichloroethane	25.0	25.0	100	71-129	
1,1-Dichloroethene	25.0	23.5	94	58-121	
1,2-Dichlorobenzene	25.0	24.7	99	80-124	
1,2-Dichloroethane	25.0	24.0	96	75-127	
Benzene	25.0	25.4	101	71-124	
Chlorobenzene	25.0	24.5	98	72-120	
cis-1,2-Dichloroethene	25.0	24.2	97	74-124	
Ethylbenzene	25.0	24.6	98	77-123	
Methyl tert-butyl ether	25.0	24.0	96	64-127	
Tetrachloroethene	25.0	23.2	93	74-122	
Toluene	25.0	24.7	99	80-122	
trans-1,2-Dichloroethene	25.0	24.0	96	73-127	
Trichloroethene	25.0	25.5	102	74-123	

Column to be used to flag recovery and RPD values

FORM III 8260C

FORM III
GC/MS VOA LAB CONTROL SAMPLE RECOVERY

Lab Name: TestAmerica Buffalo Job No.: 480-55783-1

SDG No.:

Matrix: Water Level: Low Lab File ID: S35870.D

Lab ID: LCS 480-169830/5 Client ID:

COMPOUND	SPIKE ADDED (ug/L)	LCS CONCENTRATION (ug/L)	LCS % REC	QC LIMITS REC	#
1,1-Dichloroethane	25.0	24.6	98	71-129	
1,1-Dichloroethene	25.0	25.2	101	58-121	
1,2-Dichlorobenzene	25.0	24.8	99	80-124	
1,2-Dichloroethane	25.0	24.6	99	75-127	
Benzene	25.0	24.5	98	71-124	
Chlorobenzene	25.0	24.4	97	72-120	
cis-1,2-Dichloroethene	25.0	24.8	99	74-124	
Ethylbenzene	25.0	24.6	98	77-123	
Methyl tert-butyl ether	25.0	24.7	99	64-127	
Tetrachloroethene	25.0	25.6	102	74-122	
Toluene	25.0	23.6	94	80-122	
trans-1,2-Dichloroethene	25.0	25.8	103	73-127	
Trichloroethene	25.0	25.2	101	74-123	

Column to be used to flag recovery and RPD values

FORM III 8260C

FORM IV
GC/MS VOA METHOD BLANK SUMMARY

Lab Name: TestAmerica Buffalo Job No.: 480-55783-1

SDG No.:

Lab File ID: D9945.D Lab Sample ID: MB 480-169643/8

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

Instrument ID: HP5975D Date Analyzed: 03/11/2014 22:19

GC Column: RTX-CLPII ID: 0.53(mm)

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES:

CLIENT SAMPLE ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
	LCS 480-169643/6	D9943.D	03/11/2014 21:36
MW-P	480-55783-1	D9962.D	03/12/2014 04:44
MW-3	480-55783-2	D9963.D	03/12/2014 05:05

FORM IV
GC/MS VOA METHOD BLANK SUMMARY

Lab Name: TestAmerica Buffalo Job No.: 480-55783-1

SDG No.:

Lab File ID: S35872.D Lab Sample ID: MB 480-169830/7

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

Instrument ID: HP5973S Date Analyzed: 03/13/2014 11:34

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 480-169830/5	S35870.D	03/13/2014 10:51
MW-1	480-55880-1	S35886.D	03/13/2014 17:00
MW-4	480-55880-2	S35887.D	03/13/2014 17:21
MW-5	480-55880-3	S35888.D	03/13/2014 17:42

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

Lab Name: TestAmerica Buffalo Job No.: 480-55783-1

SDG No.:

Lab File ID: S34494.D BFB Injection Date: 02/04/2014

Instrument ID: HP5973S BFB Injection Time: 20:47

Analysis Batch No.: 164519

M/E	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE	
50	15.0 - 40.0 % of mass 95	16.0	
75	30.0 - 60.0 % of mass 95	42.9	
95	Base Peak, 100% relative abundance	100.0	
96	5.0 - 9.0 % of mass 95	6.8	
173	Less than 2.0 % of mass 174	0.3	(0.3)1
174	50.0 - 120.00 % of mass 95	78.1	
175	5.0 - 9.0 % of mass 174	5.7	(7.3)1
176	95.0 - 101.0 % of mass 174	77.1	(98.7)1
177	5.0 - 9.0 % of mass 176	5.1	(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
	IC 480-164519/6	S34496.D	02/04/2014	21:47
	IC 480-164519/7	S34497.D	02/04/2014	22:09
	IC 480-164519/8	S34498.D	02/04/2014	22:31
	ICIS 480-164519/9	S34499.D	02/04/2014	22:53
	IC 480-164519/10	S34500.D	02/04/2014	23:14
	IC 480-164519/11	S34501.D	02/04/2014	23:36

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

Lab Name: TestAmerica Buffalo Job No.: 480-55783-1

SDG No.:

Lab File ID: S35867.D BFB Injection Date: 03/13/2014

Instrument ID: HP5973S BFB Injection Time: 09:23

Analysis Batch No.: 169830

M/E	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE	
50	15.0 - 40.0 % of mass 95	15.9	
75	30.0 - 60.0 % of mass 95	43.9	
95	Base Peak, 100% relative abundance	100.0	
96	5.0 - 9.0 % of mass 95	7.3	
173	Less than 2.0 % of mass 174	0.7	(0.8)1
174	50.0 - 120.00 % of mass 95	89.5	
175	5.0 - 9.0 % of mass 174	7.4	(8.2)1
176	95.0 - 101.0 % of mass 174	85.9	(96.0)1
177	5.0 - 9.0 % of mass 176	5.5	(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
	CCVIS 480-169830/3	S35868.D	03/13/2014	09:57
	LCS 480-169830/5	S35870.D	03/13/2014	10:51
	MB 480-169830/7	S35872.D	03/13/2014	11:34
MW-1	480-55880-1	S35886.D	03/13/2014	17:00
MW-4	480-55880-2	S35887.D	03/13/2014	17:21
MW-5	480-55880-3	S35888.D	03/13/2014	17:42

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

Lab Name: TestAmerica Buffalo Job No.: 480-55783-1

SDG No.:

Lab File ID: D9828.D BFB Injection Date: 02/25/2014

Instrument ID: HP5975D BFB Injection Time: 23:54

Analysis Batch No.: 167582

M/E	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE	
50	15.0 - 40.0 % of mass 95	22.8	
75	30.0 - 60.0 % of mass 95	49.1	
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	0.0	(0.0)1
174	50.0 - 120.00 % of mass 95	74.1	
175	5.0 - 9.0 % of mass 174	6.2	(8.4)1
176	95.0 - 101.0 % of mass 174	70.6	(95.3)1
177	5.0 - 9.0 % of mass 176	4.6	(6.5)2

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

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

CLIENT SAMPLE ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
	IC 480-167582/5	D9830.D	02/26/2014	00:41
	IC 480-167582/6	D9831.D	02/26/2014	01:02
	IC 480-167582/7	D9832.D	02/26/2014	01:22
	IC 480-167582/8	D9833.D	02/26/2014	01:43
	ICIS 480-167582/9	D9834.D	02/26/2014	02:04
	IC 480-167582/10	D9835.D	02/26/2014	02:25
	IC 480-167582/11	D9836.D	02/26/2014	02:46

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

Lab Name: TestAmerica Buffalo Job No.: 480-55783-1

SDG No.:

Lab File ID: D9940.D BFB Injection Date: 03/11/2014

Instrument ID: HP5975D BFB Injection Time: 20:22

Analysis Batch No.: 169643

M/E	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE	
50	15.0 - 40.0 % of mass 95	22.6	
75	30.0 - 60.0 % of mass 95	46.3	
95	Base Peak, 100% relative abundance	100.0	
96	5.0 - 9.0 % of mass 95	7.5	
173	Less than 2.0 % of mass 174	0.8	(1.1)1
174	50.0 - 120.00 % of mass 95	67.3	
175	5.0 - 9.0 % of mass 174	5.2	(7.7)1
176	95.0 - 101.0 % of mass 174	64.9	(96.5)1
177	5.0 - 9.0 % of mass 176	3.8	(5.8)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
	CCVIS 480-169643/4	D9941.D	03/11/2014	20:42
	LCS 480-169643/6	D9943.D	03/11/2014	21:36
	MB 480-169643/8	D9945.D	03/11/2014	22:19
MW-P	480-55783-1	D9962.D	03/12/2014	04:44
MW-3	480-55783-2	D9963.D	03/12/2014	05:05

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

Lab Name: TestAmerica Buffalo Job No.: 480-55783-1

SDG No.:

Sample No.: ICIS 480-164519/9 Date Analyzed: 02/04/2014 22:53

Instrument ID: HP5973S GC Column: ZB-624 (60) ID: 0.25(mm)

Lab File ID (Standard): S34499.D Heated Purge: (Y/N) N

Calibration ID: 17374

		FB		CBZ		DCB	
		AREA #	RT #	AREA #	RT #	AREA #	RT #
INITIAL CALIBRATION MID-POINT		133928	4.53	276958	6.83	267589	8.70
UPPER LIMIT		267856	5.03	553916	7.33	535178	9.20
LOWER LIMIT		66964	4.03	138479	6.33	133795	8.20
LAB SAMPLE ID	CLIENT SAMPLE ID						
CCVIS 480-169830/3		88413	4.53	191652	6.83	197961	8.69

FB = Fluorobenzene (IS)
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 8260C

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

Lab Name: TestAmerica Buffalo Job No.: 480-55783-1

SDG No.:

Sample No.: CCVIS 480-169830/3 Date Analyzed: 03/13/2014 09:57

Instrument ID: HP5973S GC Column: ZB-624 (60) ID: 0.25(mm)

Lab File ID (Standard): S35868.D Heated Purge: (Y/N) N

Calibration ID: 17377

		FB		CBZ		DCB	
		AREA #	RT #	AREA #	RT #	AREA #	RT #
12/24 HOUR STD		88413	4.53	191652	6.83	197961	8.69
UPPER LIMIT		176826	5.03	383304	7.33	395922	9.19
LOWER LIMIT		44207	4.03	95826	6.33	98981	8.19
LAB SAMPLE ID	CLIENT SAMPLE ID						
LCS 480-169830/5		91095	4.53	193537	6.83	199127	8.69
MB 480-169830/7		86654	4.53	180410	6.83	168482	8.69
480-55880-1	MW-1	82896	4.53	170968	6.83	160803	8.70
480-55880-2	MW-4	81638	4.53	171433	6.83	162503	8.69
480-55880-3	MW-5	82459	4.53	175704	6.83	161048	8.70

FB = Fluorobenzene (IS)
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 8260C

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

Lab Name: TestAmerica Buffalo Job No.: 480-55783-1

SDG No.:

Sample No.: ICIS 480-167582/9 Date Analyzed: 02/26/2014 02:04

Instrument ID: HP5975D GC Column: RTX-CLPII ID: 0.53(mm)

Lab File ID (Standard): D9834.D Heated Purge: (Y/N) N

Calibration ID: 17543

		FB		CBZ		DCB	
		AREA #	RT #	AREA #	RT #	AREA #	RT #
INITIAL CALIBRATION MID-POINT		670928	4.84	264783	7.16	237856	9.06
UPPER LIMIT		1341856	5.34	529566	7.66	475712	9.56
LOWER LIMIT		335464	4.34	132392	6.66	118928	8.56
LAB SAMPLE ID	CLIENT SAMPLE ID						
CCVIS 480-169643/4		713691	4.84	301485	7.17	244962	9.07

FB = Fluorobenzene (IS)
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 8260C

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

Lab Name: TestAmerica Buffalo Job No.: 480-55783-1

SDG No.:

Sample No.: CCVIS 480-169643/4 Date Analyzed: 03/11/2014 20:42

Instrument ID: HP5975D GC Column: RTX-CLPII ID: 0.53(mm)

Lab File ID (Standard): D9941.D Heated Purge: (Y/N) N

Calibration ID: 17543

		FB		CBZ		DCB	
		AREA #	RT #	AREA #	RT #	AREA #	RT #
12/24 HOUR STD		713691	4.84	301485	7.17	244962	9.07
UPPER LIMIT		1427382	5.34	602970	7.67	489924	9.57
LOWER LIMIT		356846	4.34	150743	6.67	122481	8.57
LAB SAMPLE ID	CLIENT SAMPLE ID						
LCS 480-169643/6		698795	4.84	288406	7.17	236610	9.07
MB 480-169643/8		710197	4.84	280476	7.17	238648	9.07
480-55783-1	MW-P	670170	4.84	265352	7.17	230934	9.07
480-55783-2	MW-3	673170	4.84	264808	7.17	226964	9.07

FB = Fluorobenzene (IS)
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 8260C

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Buffalo Job No.: 480-55783-1

SDG No.:

Client Sample ID: MW-P Lab Sample ID: 480-55783-1

Matrix: Water Lab File ID: D9962.D

Analysis Method: 8260C Date Collected: 03/10/2014 14:05

Sample wt/vol: 5(mL) Date Analyzed: 03/12/2014 04:44

Soil Aliquot Vol: Dilution Factor: 1

Soil Extract Vol.: GC Column: RTX-CLPII ID: 0.53(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 169643 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
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	ND		1.0	0.31
79-00-5	1,1,2-Trichloroethane	ND		1.0	0.23
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
78-93-3	2-Butanone (MEK)	ND		10	1.3
591-78-6	2-Hexanone	ND		5.0	1.2
108-10-1	4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1
67-64-1	Acetone	3.2	J	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	0.30	J	1.0	0.19
56-23-5	Carbon tetrachloride	ND		1.0	0.27
108-90-7	Chlorobenzene	ND		1.0	0.75
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
124-48-1	Dibromochloromethane	ND		1.0	0.32
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.: 480-55783-1

SDG No.:

Client Sample ID: MW-P | Lab Sample ID: 480-55783-1

Matrix: Water | Lab File ID: D9962.D

Analysis Method: 8260C | Date Collected: 03/10/2014 14:05

Sample wt/vol: 5(mL) | Date Analyzed: 03/12/2014 04:44

Soil Aliquot Vol: | Dilution Factor: 1

Soil Extract Vol.: | GC Column: RTX-CLPII ID: 0.53(mm)

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

Analysis Batch No.: 169643 | Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
79-20-9	Methyl acetate	ND		2.5	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)	106		66-137
460-00-4	4-Bromofluorobenzene (Surr)	96		73-120
2037-26-5	Toluene-d8 (Surr)	103		71-126
1868-53-7	Dibromofluoromethane (Surr)	105		60-140

TestAmerica Buffalo
Target Compound Quantitation Report

Data File: \\Bufchrom\ChromData\HP5975D\20140311-30102.b\D9962.D
Lims ID: 480-55783-K-1 Lab Sample ID: 480-55783-1
Client ID: MW-P
Sample Type: Client
Inject. Date: 12-Mar-2014 04:44:30 ALS Bottle#: 17 Worklist Smp#: 25
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: 480-55783-K-1
Misc. Info.: 480-0030102-025
Operator ID: CDC Instrument ID: HP5975D

Method: \\Bufchrom\ChromData\HP5975D\20140311-30102.b\D-8260.m
Limit Group: MV - 8260C ICAL
Last Update: 12-Mar-2014 04:43:47 Calib Date: 26-Feb-2014 02:46:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\Bufchrom\ChromData\HP5975D\20140225-29773.b\D9836.D

Column 1 : ZB-624 (0.25 mm) Det: MS SCAN
Process Host: XAWRK026

First Level Reviewer: nguyendudziaknq Date: 13-Mar-2014 09:50:38

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	On-Col Amt ug/L	Flags
* 147 Fluorobenzene (IS)	96	4.843	4.837	0.006	98	670170	25.0	
* 2 Chlorobenzene-d5	82	7.172	7.166	0.006	87	265352	25.0	
* 3 1,4-Dichlorobenzene-d4	152	9.074	9.068	0.006	97	230934	25.0	
$ 148 Dibromofluoromethane (Surr)	113	4.361	4.355	0.006	57	221798	26.3	
$ 4 1,2-Dichloroethane-d4 (Surr)	67	4.611	4.605	0.006	0	146514	26.5	
$ 5 Toluene-d8 (Surr)	98	6.032	6.032	0.0	94	751132	25.7	
$ 6 4-Bromofluorobenzene (Surr)	174	8.123	8.117	0.006	85	202575	24.0	
10 Dichlorodifluoromethane	85		1.331					
12 Chloromethane	50		1.435					
13 Vinyl chloride	62		1.545					
14 Bromomethane	94		1.819					
15 Chloroethane	64		1.917					
17 Trichlorofluoromethane	101		2.124					
21 1,1,2-Trichloro-1,2,2-trifluoroe	101		2.563					
22 1,1-Dichloroethene	96		2.563					
23 Acetone	43	2.612	2.606	0.006	87	10325	3.24	
26 Carbon disulfide	76	2.685	2.734	-0.049	62	9427	0.3018	
27 Methyl acetate	43		2.874					
30 Methylene Chloride	84		2.953					
32 Methyl tert-butyl ether	73		3.154					
34 trans-1,2-Dichloroethene	96		3.160					
39 1,1-Dichloroethane	63		3.514					
45 cis-1,2-Dichloroethene	96		3.977					
43 2-Butanone (MEK)	43		4.002					
50 Chloroform	83		4.233					
51 1,1,1-Trichloroethane	97		4.337					
52 Cyclohexane	56		4.355					
55 Carbon tetrachloride	117		4.453					
57 Benzene	78		4.623					
58 1,2-Dichloroethane	62		4.666					
1 1,4-Difluorobenzene	114		4.922					

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	On-Col Amt ug/L	Flags
62 Trichloroethene	95		5.117					
64 Methylcyclohexane	83		5.221					
65 1,2-Dichloropropane	63		5.294					
68 Dichlorobromomethane	83		5.520					
72 cis-1,3-Dichloropropene	75		5.849					
73 4-Methyl-2-pentanone (MIBK)	43		5.952					
74 Toluene	92		6.081					
77 trans-1,3-Dichloropropene	75		6.282					
79 1,1,2-Trichloroethane	83		6.428					
81 Tetrachloroethene	166		6.501					
80 2-Hexanone	43		6.599					
83 Chlorodibromomethane	129		6.739					
84 Ethylene Dibromide	107		6.824					
87 Chlorobenzene	112		7.190					
88 Ethylbenzene	91		7.257					
90 m-Xylene & p-Xylene	106		7.349					
91 o-Xylene	106		7.678					
92 Styrene	104		7.696					
95 Bromoform	173		7.879					
94 Isopropylbenzene	105		7.964					
97 1,1,2,2-Tetrachloroethane	83		8.257					
111 1,3-Dichlorobenzene	146		9.013					
113 1,4-Dichlorobenzene	146		9.092					
116 1,2-Dichlorobenzene	146		9.403					
117 1,2-Dibromo-3-Chloropropane	75		10.074					
119 1,2,4-Trichlorobenzene	180		10.750					
S 124 Xylenes, Total	1		30.000					

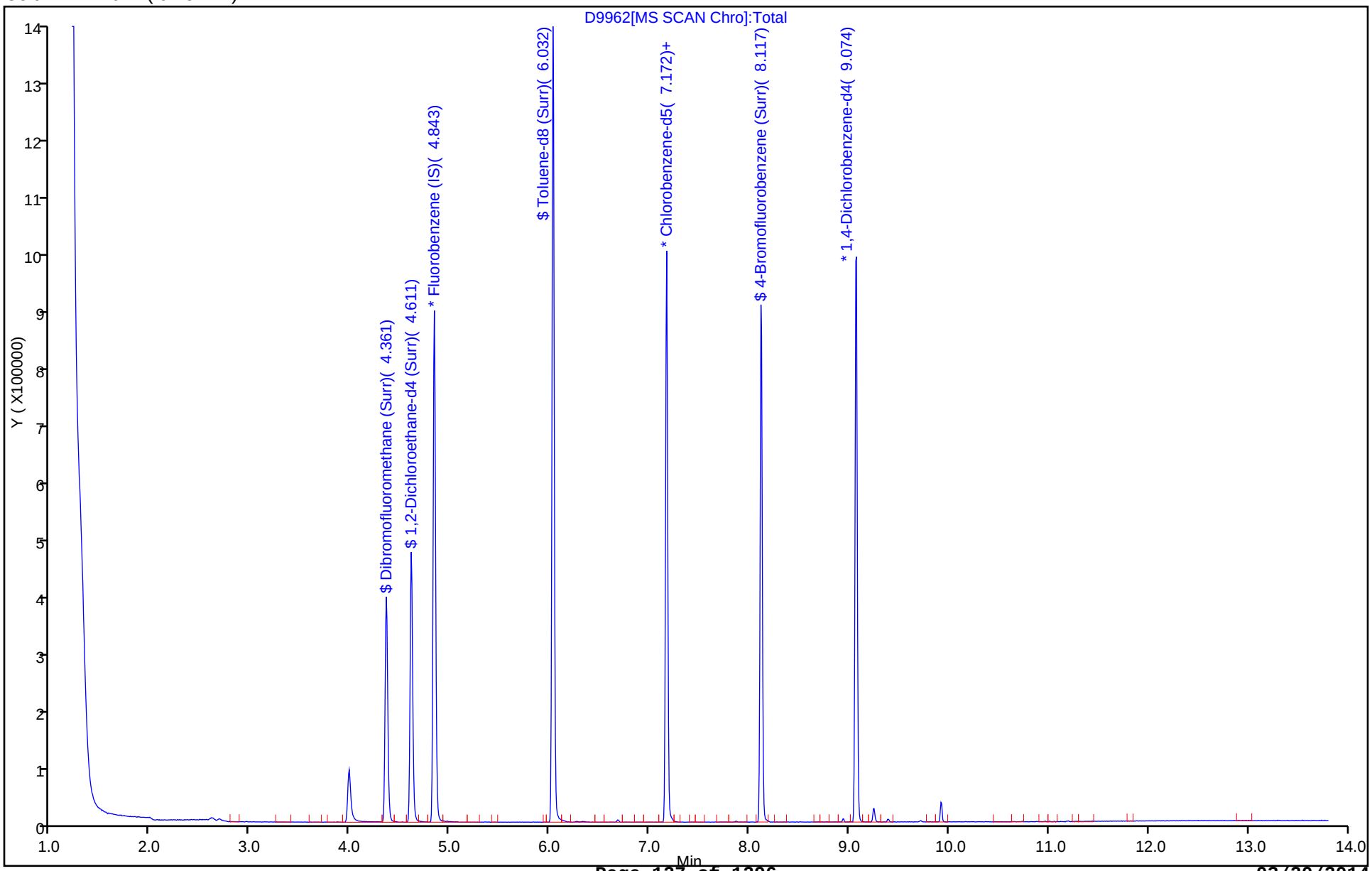
Report Date: 13-Mar-2014 09:50:38 Chrom Revision: 2.1 17-Feb-2014 09:05:58

TestAmerica Buffalo

Data File: \\Bufchrom\ChromData\HP5975D\20140311-30102.b\D9962.D

Injection Date:	12-Mar-2014 04:44:30	Instrument ID:	HP5975D	Operator ID:	CDC
Lims ID:	480-55783-K-1	Lab Sample ID:	480-55783-1	Worklist Smp#:	25
Client ID:	MW-P				
Purge Vol:	5.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	17
Method:	D-8260	Limit Group:	MV - 8260C ICAL		

Column: ZB-624 (0.25 mm)



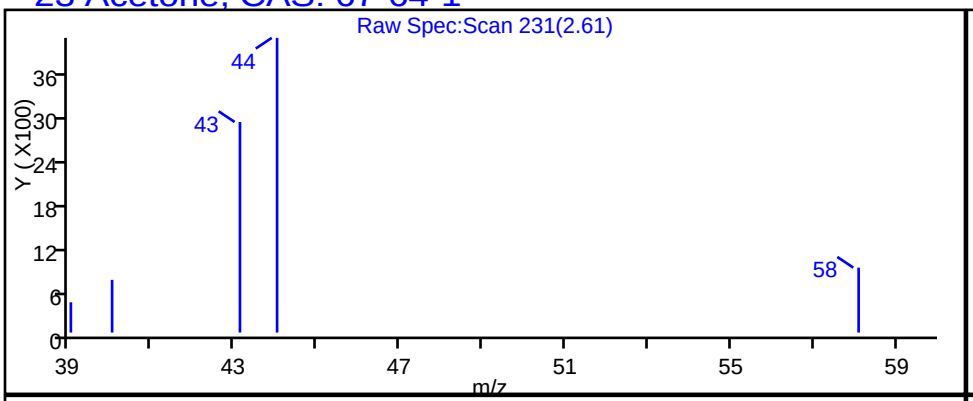
Report Date: 13-Mar-2014 09:50:38 Chrom Revision: 2.1 17-Feb-2014 09:05:58

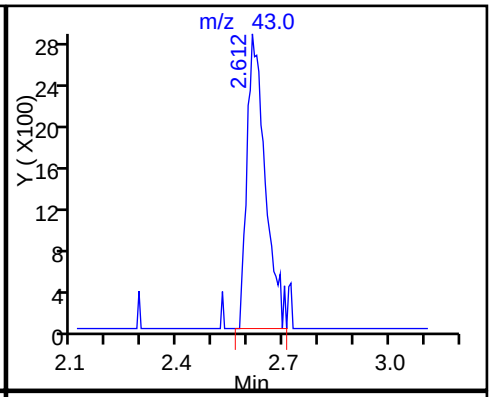
TestAmerica Buffalo

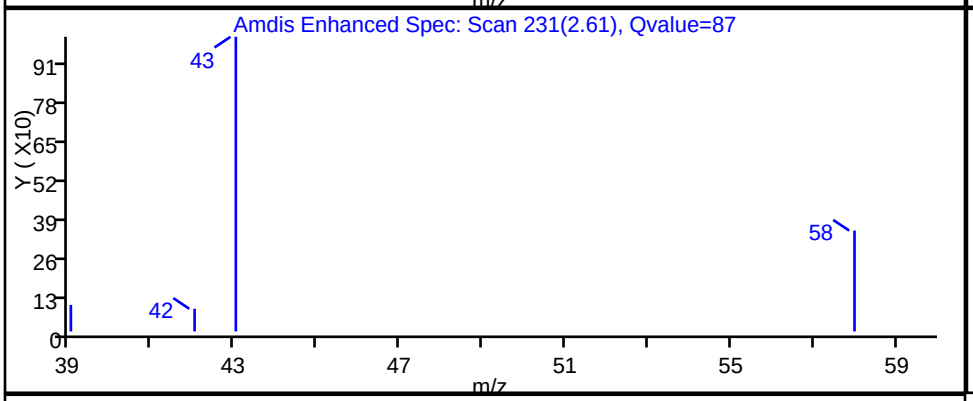
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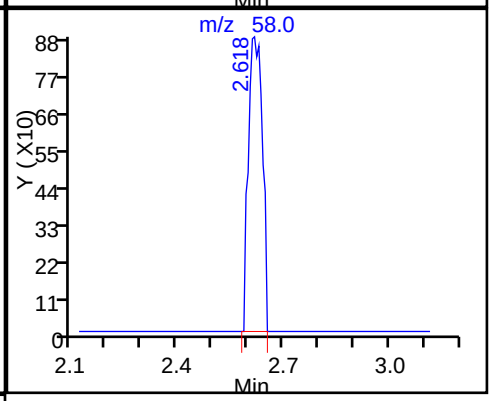
Injection Date:	12-Mar-2014 04:44:30	Instrument ID:	HP5975D		
Lims ID:	480-55783-K-1	Lab Sample ID:	480-55783-1		
Client ID:	MW-P				
Operator ID:	CDC	ALS Bottle#:	17	Worklist Smp#:	25
Purge Vol:	5.000 mL	Dil. Factor:	1.0000		
Method:	D-8260	Limit Group:	MV - 8260C ICAL		
Column:	ZB-624 (0.25 mm)	Detector	MS SCAN		

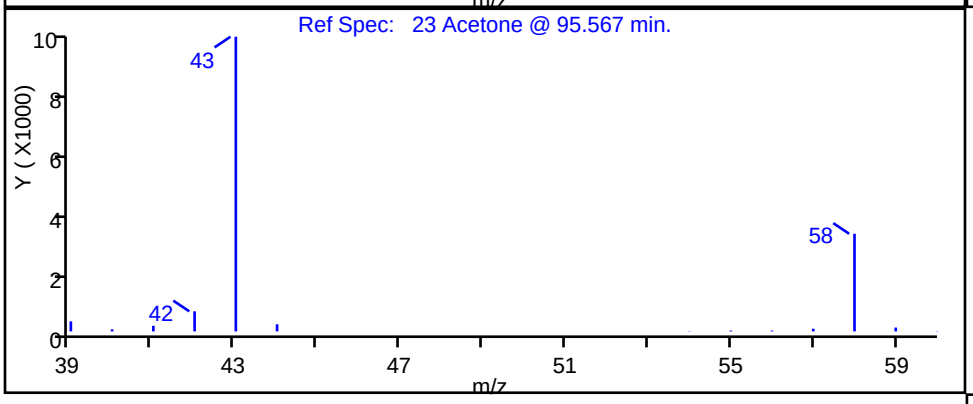
23 Acetone, CAS: 67-64-1

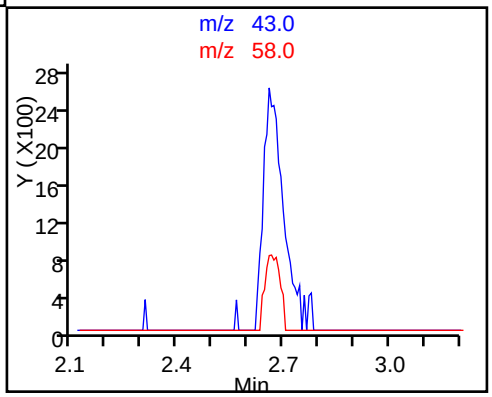










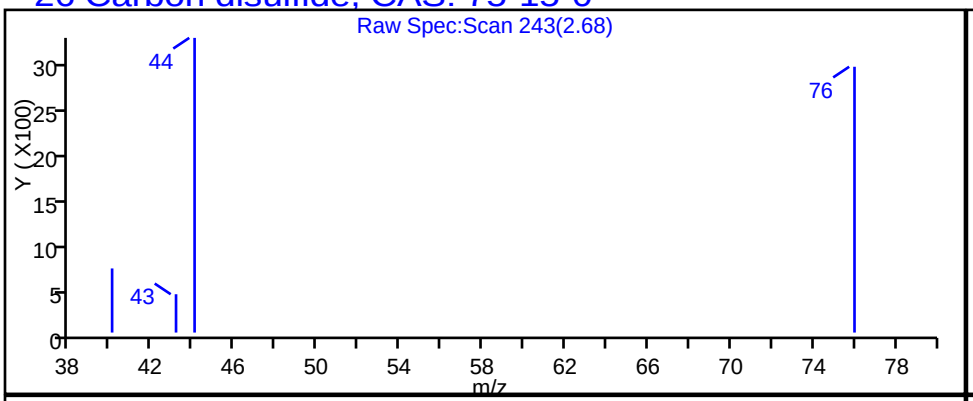


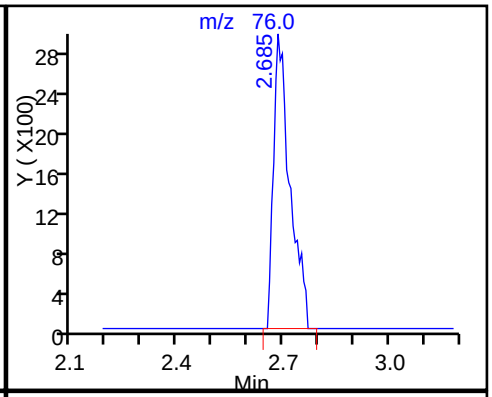
TestAmerica Buffalo

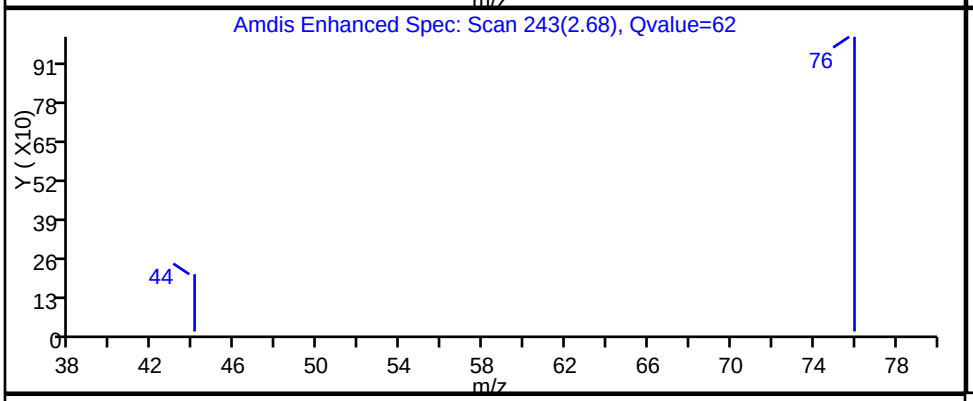
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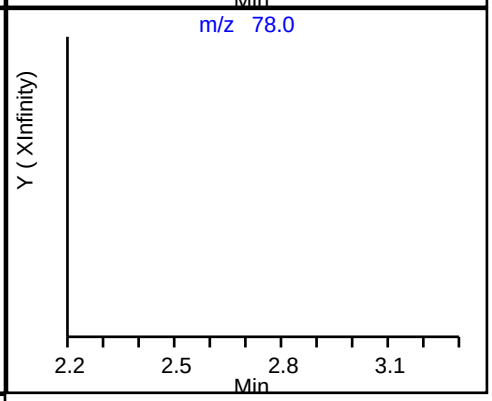
Injection Date:	12-Mar-2014 04:44:30	Instrument ID:	HP5975D
Lims ID:	480-55783-K-1	Lab Sample ID:	480-55783-1
Client ID:	MW-P		
Operator ID:	CDC	ALS Bottle#:	17 Worklist Smp#: 25
Purge Vol:	5.000 mL	Dil. Factor:	1.0000
Method:	D-8260	Limit Group:	MV - 8260C ICAL
Column:	ZB-624 (0.25 mm)	Detector	MS SCAN

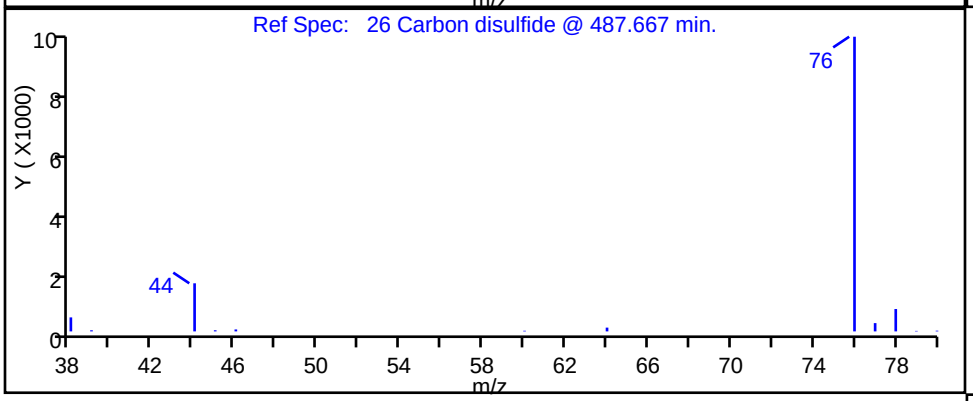
26 Carbon disulfide, CAS: 75-15-0

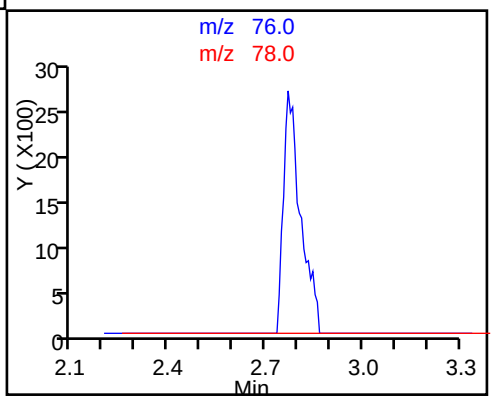












FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Buffalo Job No.: 480-55783-1

SDG No.:

Client Sample ID: MW-3 Lab Sample ID: 480-55783-2

Matrix: Water Lab File ID: D9963.D

Analysis Method: 8260C Date Collected: 03/10/2014 15:00

Sample wt/vol: 5(mL) Date Analyzed: 03/12/2014 05:05

Soil Aliquot Vol: Dilution Factor: 1

Soil Extract Vol.: GC Column: RTX-CLPII ID: 0.53(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 169643 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
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	ND		1.0	0.31
79-00-5	1,1,2-Trichloroethane	ND		1.0	0.23
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
78-93-3	2-Butanone (MEK)	ND		10	1.3
591-78-6	2-Hexanone	ND		5.0	1.2
108-10-1	4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1
67-64-1	Acetone	68		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
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
124-48-1	Dibromochloromethane	ND		1.0	0.32
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.: 480-55783-1

SDG No.:

Client Sample ID: MW-3 | Lab Sample ID: 480-55783-2

Matrix: Water | Lab File ID: D9963.D

Analysis Method: 8260C | Date Collected: 03/10/2014 15:00

Sample wt/vol: 5(mL) | Date Analyzed: 03/12/2014 05:05

Soil Aliquot Vol: | Dilution Factor: 1

Soil Extract Vol.: | GC Column: RTX-CLPII ID: 0.53(mm)

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

Analysis Batch No.: 169643 | Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
79-20-9	Methyl acetate	ND		2.5	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)	106		66-137
460-00-4	4-Bromofluorobenzene (Surr)	96		73-120
2037-26-5	Toluene-d8 (Surr)	102		71-126
1868-53-7	Dibromofluoromethane (Surr)	103		60-140

TestAmerica Buffalo
Target Compound Quantitation Report

Data File: \\Bufchrom\ChromData\HP5975D\20140311-30102.b\D9963.D
Lims ID: 480-55783-K-2 Lab Sample ID: 480-55783-2
Client ID: MW-3
Sample Type: Client
Inject. Date: 12-Mar-2014 05:05:30 ALS Bottle#: 18 Worklist Smp#: 26
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: 480-55783-K-2
Misc. Info.: 480-0030102-026
Operator ID: CDC Instrument ID: HP5975D

Method: \\Bufchrom\ChromData\HP5975D\20140311-30102.b\D-8260.m
Limit Group: MV - 8260C ICAL
Last Update: 12-Mar-2014 04:43:47 Calib Date: 26-Feb-2014 02:46:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\Bufchrom\ChromData\HP5975D\20140225-29773.b\D9836.D

Column 1 : ZB-624 (0.25 mm) Det: MS SCAN
Process Host: XAWRK026

First Level Reviewer: nguyendudziaknq Date: 13-Mar-2014 09:51:10

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	On-Col Amt ug/L	Flags
* 147 Fluorobenzene (IS)	96	4.843	4.837	0.006	98	673170	25.0	
* 2 Chlorobenzene-d5	82	7.172	7.166	0.006	89	264808	25.0	
* 3 1,4-Dichlorobenzene-d4	152	9.074	9.068	0.006	97	226964	25.0	
$ 148 Dibromofluoromethane (Surr)	113	4.361	4.355	0.006	57	217399	25.7	
$ 4 1,2-Dichloroethane-d4 (Surr)	67	4.611	4.605	0.006	0	147021	26.5	
$ 5 Toluene-d8 (Surr)	98	6.032	6.032	0.0	94	744567	25.5	
$ 6 4-Bromofluorobenzene (Surr)	174	8.123	8.117	0.006	85	201369	23.9	
10 Dichlorodifluoromethane	85		1.331					
12 Chloromethane	50		1.435					
13 Vinyl chloride	62		1.545					
14 Bromomethane	94		1.819					
15 Chloroethane	64		1.917					
17 Trichlorofluoromethane	101		2.124					
21 1,1,2-Trichloro-1,2,2-trifluoroe	101		2.563					
22 1,1-Dichloroethene	96		2.563					
23 Acetone	43	2.612	2.606	0.006	99	216294	67.6	
26 Carbon disulfide	76		2.734					
27 Methyl acetate	43		2.874					
30 Methylene Chloride	84		2.953					
32 Methyl tert-butyl ether	73		3.154					
34 trans-1,2-Dichloroethene	96		3.160					
39 1,1-Dichloroethane	63		3.514					
45 cis-1,2-Dichloroethene	96		3.977					
43 2-Butanone (MEK)	43		4.002					
50 Chloroform	83		4.233					
51 1,1,1-Trichloroethane	97		4.337					
52 Cyclohexane	56		4.355					
55 Carbon tetrachloride	117		4.453					
57 Benzene	78		4.623					
58 1,2-Dichloroethane	62		4.666					
1 1,4-Difluorobenzene	114		4.922					

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	On-Col Amt ug/L	Flags
62 Trichloroethene	95		5.117					
64 Methylcyclohexane	83		5.221					
65 1,2-Dichloropropane	63		5.294					
68 Dichlorobromomethane	83		5.520					
72 cis-1,3-Dichloropropene	75		5.849					
73 4-Methyl-2-pentanone (MIBK)	43		5.952					
74 Toluene	92		6.081					
77 trans-1,3-Dichloropropene	75		6.282					
79 1,1,2-Trichloroethane	83		6.428					
81 Tetrachloroethene	166		6.501					
80 2-Hexanone	43		6.599					
83 Chlorodibromomethane	129		6.739					
84 Ethylene Dibromide	107		6.824					
87 Chlorobenzene	112		7.190					
88 Ethylbenzene	91		7.257					
90 m-Xylene & p-Xylene	106		7.349					
91 o-Xylene	106		7.678					
92 Styrene	104		7.696					
95 Bromoform	173		7.879					
94 Isopropylbenzene	105		7.964					
97 1,1,2,2-Tetrachloroethane	83		8.257					
111 1,3-Dichlorobenzene	146		9.013					
113 1,4-Dichlorobenzene	146		9.092					
116 1,2-Dichlorobenzene	146		9.403					
117 1,2-Dibromo-3-Chloropropane	75		10.074					
119 1,2,4-Trichlorobenzene	180		10.750					
S 124 Xylenes, Total	1		30.000					

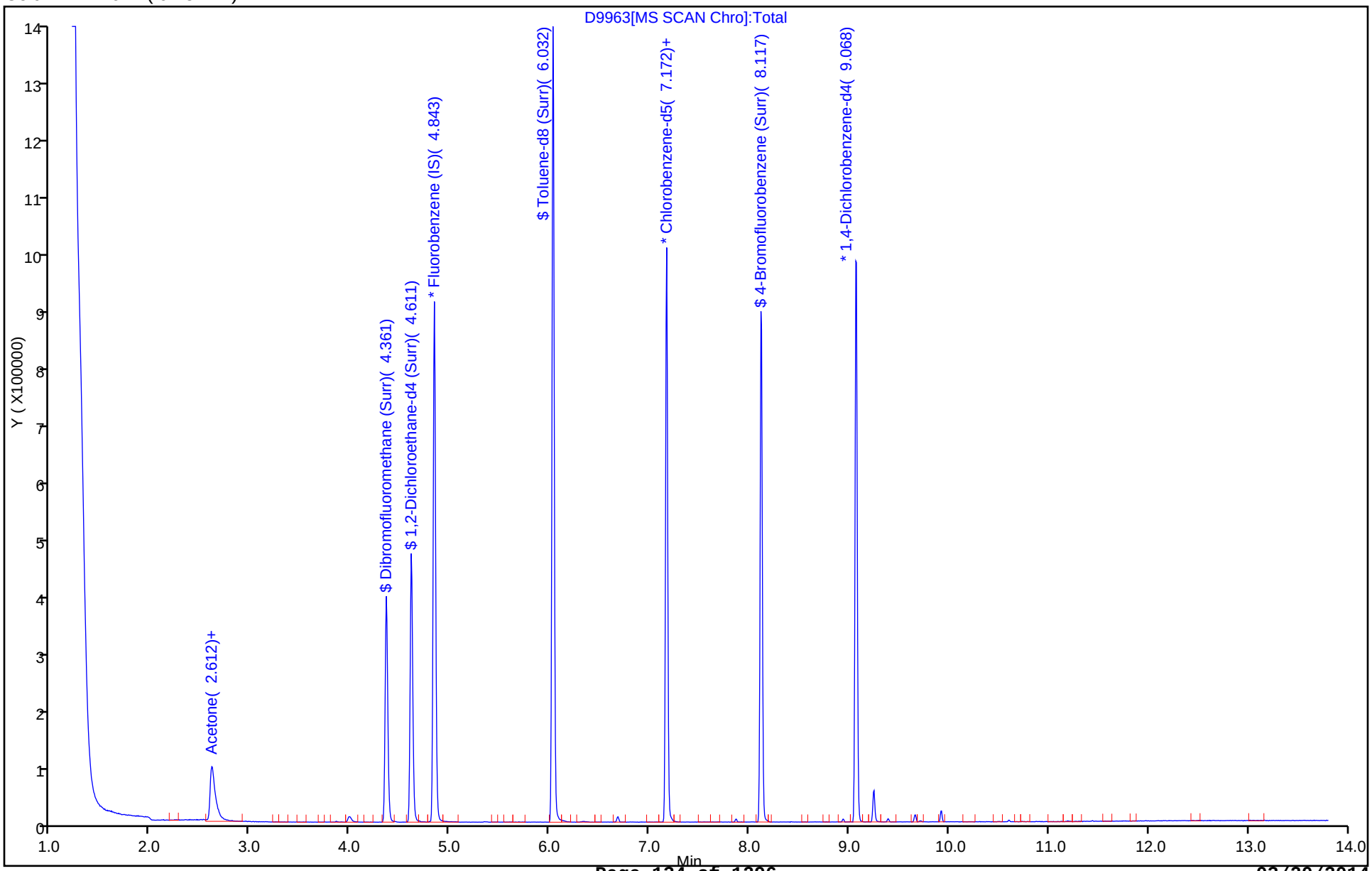
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TestAmerica Buffalo

Data File: \\Bufchrom\ChromData\HP5975D\20140311-30102.b\D9963.D

Injection Date:	12-Mar-2014 05:05:30	Instrument ID:	HP5975D	Operator ID:	CDC
Lims ID:	480-55783-K-2	Lab Sample ID:	480-55783-2	Worklist Smp#:	26
Client ID:	MW-3				
Purge Vol:	5.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	18
Method:	D-8260	Limit Group:	MV - 8260C ICAL		

Column: ZB-624 (0.25 mm)



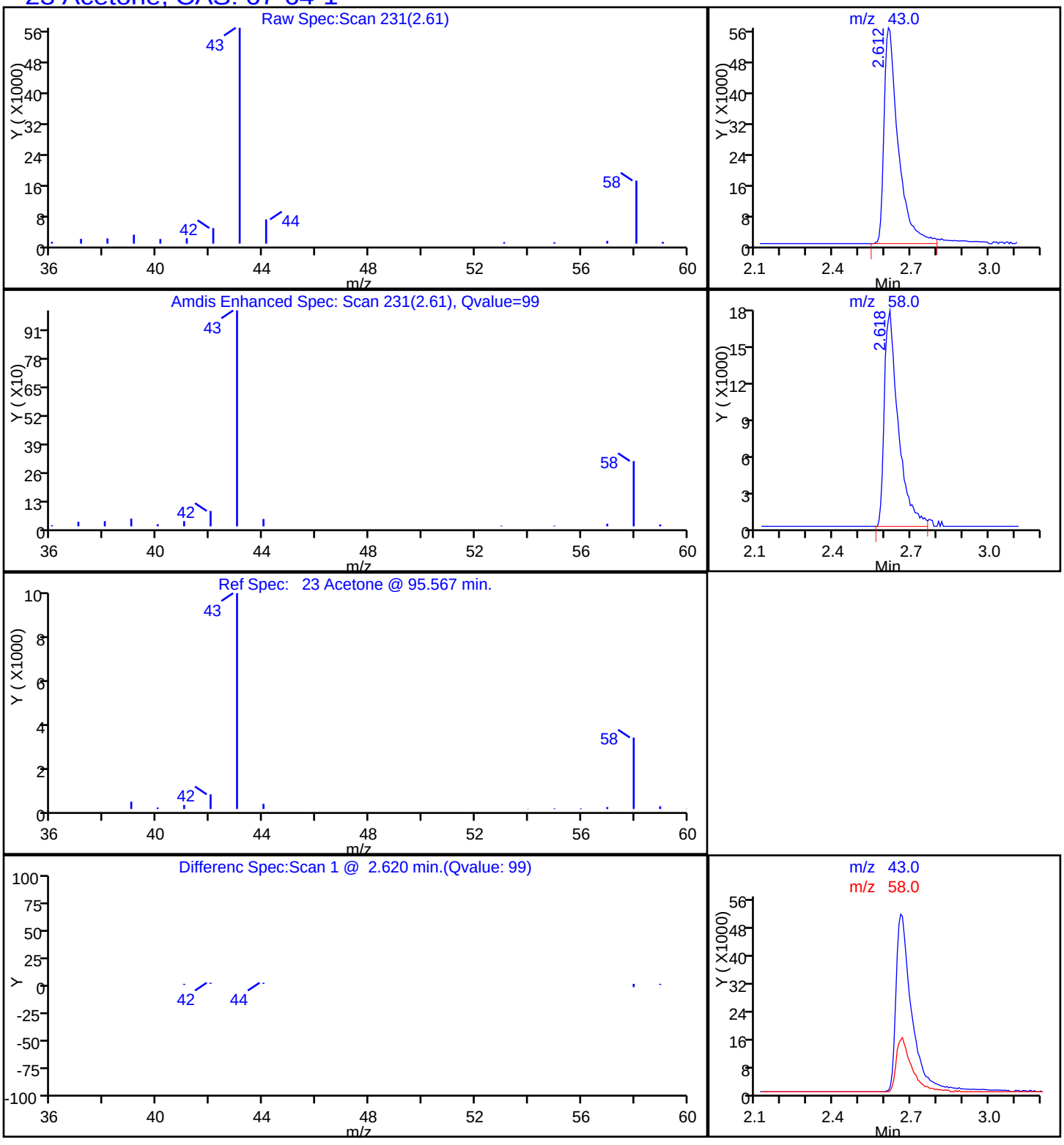
Report Date: 13-Mar-2014 09:51:10 Chrom Revision: 2.1 17-Feb-2014 09:05:58

TestAmerica Buffalo

Data File: \\Bufchrom\ChromData\HP5975D\20140311-30102.b\D9963.D

Injection Date:	12-Mar-2014 05:05:30	Instrument ID:	HP5975D
Lims ID:	480-55783-K-2	Lab Sample ID:	480-55783-2
Client ID:	MW-3		
Operator ID:	CDC	ALS Bottle#:	18 Worklist Smp#: 26
Purge Vol:	5.000 mL	Dil. Factor:	1.0000
Method:	D-8260	Limit Group:	MV - 8260C ICAL
Column:	ZB-624 (0.25 mm)	Detector	MS SCAN

23 Acetone, CAS: 67-64-1



FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Buffalo | Job No.: 480-55783-1

SDG No.:

Client Sample ID: MW-1 | Lab Sample ID: 480-55880-1

Matrix: Water | Lab File ID: S35886.D

Analysis Method: 8260C | Date Collected: 03/11/2014 15:20

Sample wt/vol: 5(mL) | Date Analyzed: 03/13/2014 17:00

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.: 169830 | 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
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	ND		1.0	0.31
79-00-5	1,1,2-Trichloroethane	ND		1.0	0.23
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
78-93-3	2-Butanone (MEK)	ND		10	1.3
591-78-6	2-Hexanone	ND		5.0	1.2
108-10-1	4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1
67-64-1	Acetone	4.5	J	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
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
124-48-1	Dibromochloromethane	ND		1.0	0.32
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.: 480-55783-1

SDG No.:

Client Sample ID: MW-1 | Lab Sample ID: 480-55880-1

Matrix: Water | Lab File ID: S35886.D

Analysis Method: 8260C | Date Collected: 03/11/2014 15:20

Sample wt/vol: 5(mL) | Date Analyzed: 03/13/2014 17:00

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.: 169830 | Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
79-20-9	Methyl acetate	ND		2.5	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)	103		66-137
460-00-4	4-Bromofluorobenzene (Surr)	97		73-120
2037-26-5	Toluene-d8 (Surr)	102		71-126
1868-53-7	Dibromofluoromethane (Surr)	106		60-140

TestAmerica Buffalo
Target Compound Quantitation Report

Data File: \\Bufchrom\ChromData\HP5973S\20140313-30132.b\S35886.D
Lims ID: 480-55880-K-1 Lab Sample ID: 480-55880-1
Client ID: MW-1
Sample Type: Client
Inject. Date: 13-Mar-2014 17:00:30 ALS Bottle#: 21 Worklist Smp#: 24
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: 480-55880-K-1
Misc. Info.: 480-0030132-024 =480-0030132-024
Operator ID: gtg Instrument ID: HP5973S

Method: \\Bufchrom\ChromData\HP5973S\20140313-30132.b\S-8260.m
Limit Group: MV - 8260C ICAL
Last Update: 13-Mar-2014 19:10:06 Calib Date: 05-Feb-2014 03:36:30
Integrator: RTE ID Type: RT Order ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\Bufchrom\ChromData\HP5973S\20140204-29280.b\S34512.D

Column 1 : ZB-624 (0.25 mm) Det: MS SCAN
Process Host: XAWRK027

First Level Reviewer: diasn Date: 13-Mar-2014 19:10:05

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	On-Col Amt ug/L	Flags
* 153 Fluorobenzene (IS)	70	4.531	4.531	0.0	99	82896	25.0	
* 2 Chlorobenzene-d5	82	6.825	6.825	0.0	82	170968	25.0	
* 3 1,4-Dichlorobenzene-d4	152	8.699	8.693	0.006	92	160803	25.0	
$ 154 Dibromofluoromethane (Surr)	113	4.069	4.069	0.0	58	98150	26.5	
$ 4 1,2-Dichloroethane-d4 (Surr)	67	4.318	4.318	0.0	0	60710	25.9	
$ 5 Toluene-d8 (Surr)	98	5.699	5.699	0.0	92	413797	25.5	
$ 6 4-Bromofluorobenzene (Surr)	174	7.762	7.762	0.0	92	123111	24.3	
10 Dichlorodifluoromethane	85		1.216					
12 Chloromethane	50		1.362					
13 Vinyl chloride	62		1.423					
14 Bromomethane	94		1.678					
15 Chloroethane	64		1.763					
17 Trichlorofluoromethane	101		1.903					
21 1,1,2-Trichloro-1,2,2-trifluoroe	101		2.299					
22 1,1-Dichloroethene	96		2.335					
23 Acetone	43	2.402	2.402	0.0	70	8469	4.47	
26 Carbon disulfide	76		2.499					
27 Methyl acetate	43		2.639					
30 Methylene Chloride	84		2.767					
32 Methyl tert-butyl ether	73		2.889					
34 trans-1,2-Dichloroethene	96		2.931					
39 1,1-Dichloroethane	63		3.254					
45 cis-1,2-Dichloroethene	96		3.698					
43 2-Butanone (MEK)	43		3.728					
50 Chloroform	83		3.941					
51 1,1,1-Trichloroethane	97		4.039					
52 Cyclohexane	56		4.045					
55 Carbon tetrachloride	117		4.148					
57 Benzene	78		4.325					
58 1,2-Dichloroethane	62		4.373					
1 1,4-Difluorobenzene	114		4.617					

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	On-Col Amt ug/L	Flags
62 Trichloroethene	95		4.793					
64 Methylcyclohexane	83		4.890					
65 1,2-Dichloropropane	63		4.988					
68 Dichlorobromomethane	83		5.207					
72 cis-1,3-Dichloropropene	75		5.529					
73 4-Methyl-2-pentanone (MIBK)	43		5.645					
74 Toluene	92		5.754					
77 trans-1,3-Dichloropropene	75		5.961					
79 1,1,2-Trichloroethane	83		6.107					
81 Tetrachloroethene	166		6.150					
80 2-Hexanone	43		6.277					
83 Chlorodibromomethane	129		6.411					
84 Ethylene Dibromide	107		6.496					
87 Chlorobenzene	112		6.849					
88 Ethylbenzene	91		6.910					
90 m-Xylene & p-Xylene	106		7.001					
91 o-Xylene	106		7.324					
92 Styrene	104		7.342					
95 Bromoform	173		7.537					
94 Isopropylbenzene	105		7.610					
97 1,1,2,2-Tetrachloroethane	83		7.914					
111 1,3-Dichlorobenzene	146		8.638					
113 1,4-Dichlorobenzene	146		8.717					
116 1,2-Dichlorobenzene	146		9.027					
117 1,2-Dibromo-3-Chloropropane	75		9.702					
119 1,2,4-Trichlorobenzene	180		10.347					
S 124 Xylenes, Total	1		30.000					

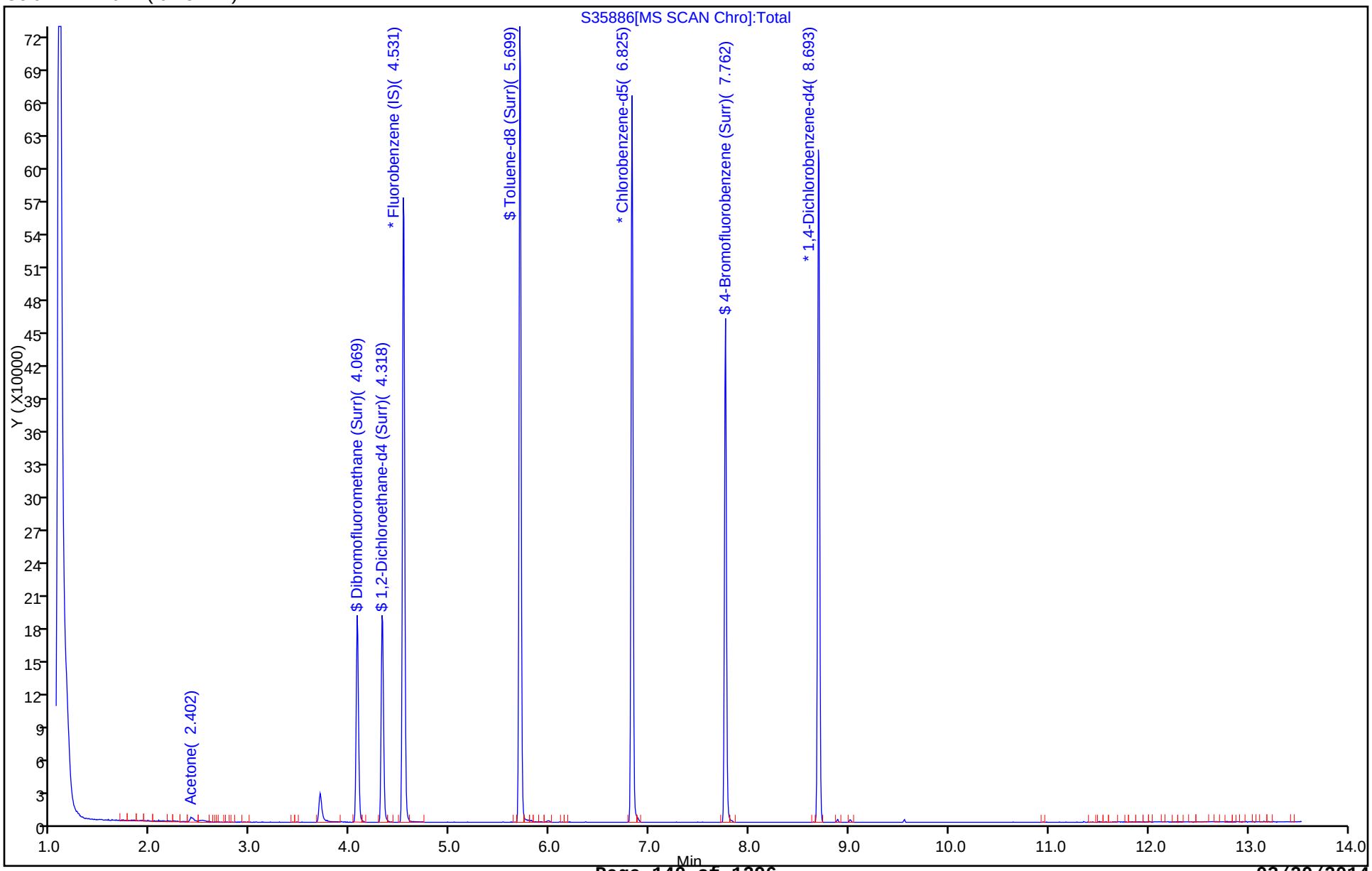
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TestAmerica Buffalo

Data File: \\Bufchrom\ChromData\HP5973S\20140313-30132.b\S35886.D

Injection Date:	13-Mar-2014 17:00:30	Instrument ID:	HP5973S	Operator ID:	gtg
Lims ID:	480-55880-K-1	Lab Sample ID:	480-55880-1	Worklist Smp#:	24
Client ID:	MW-1				
Purge Vol:	5.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	21
Method:	S-8260	Limit Group:	MV - 8260C ICAL		

Column: ZB-624 (0.25 mm)



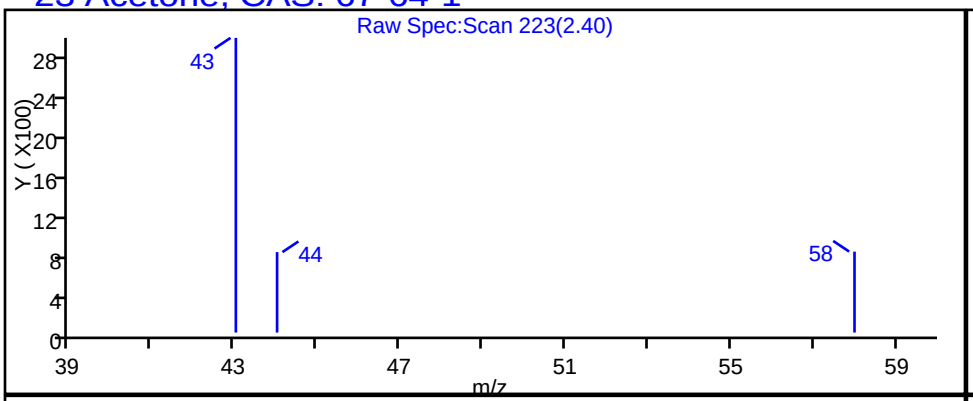
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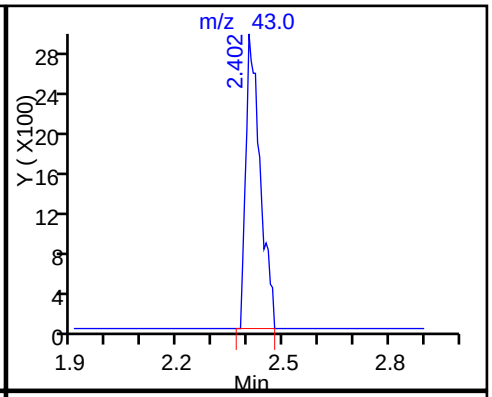
TestAmerica Buffalo

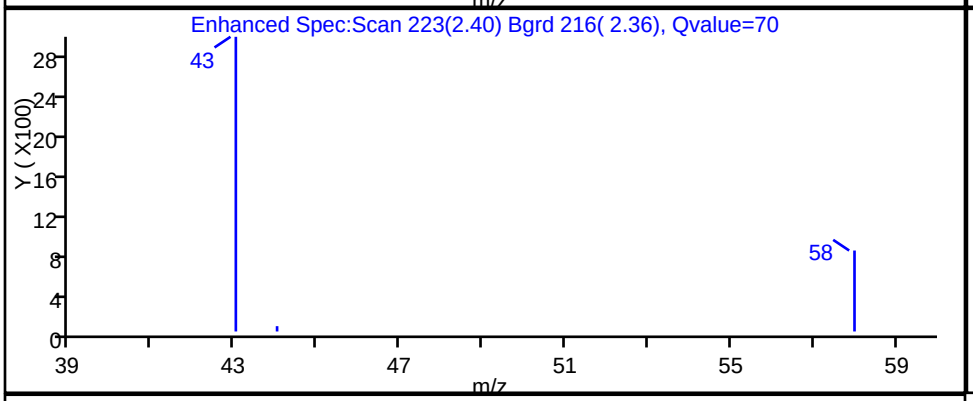
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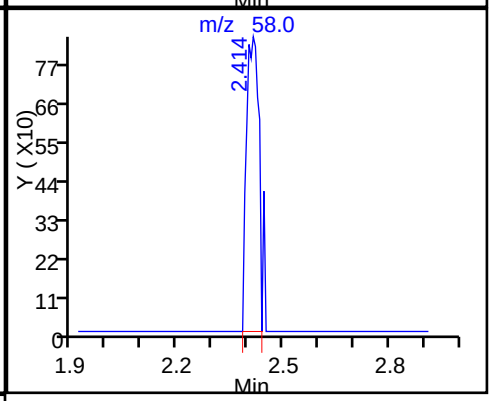
Injection Date:	13-Mar-2014 17:00:30	Instrument ID:	HP5973S
Lims ID:	480-55880-K-1	Lab Sample ID:	480-55880-1
Client ID:	MW-1		
Operator ID:	gtg	ALS Bottle#:	21 Worklist Smp#: 24
Purge Vol:	5.000 mL	Dil. Factor:	1.0000
Method:	S-8260	Limit Group:	MV - 8260C ICAL
Column:	ZB-624 (0.25 mm)	Detector	MS SCAN

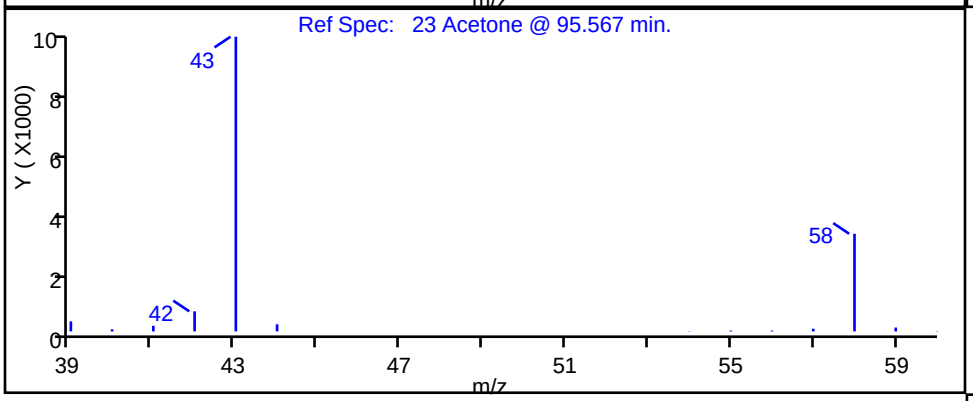
23 Acetone, CAS: 67-64-1

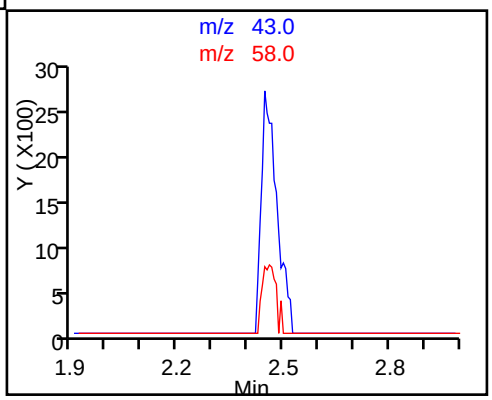












FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Buffalo Job No.: 480-55783-1

SDG No.:

Client Sample ID: MW-4 Lab Sample ID: 480-55880-2

Matrix: Water Lab File ID: S35887.D

Analysis Method: 8260C Date Collected: 03/11/2014 14:35

Sample wt/vol: 5(mL) Date Analyzed: 03/13/2014 17:21

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.: 169830 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
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	ND		1.0	0.31
79-00-5	1,1,2-Trichloroethane	ND		1.0	0.23
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
78-93-3	2-Butanone (MEK)	ND		10	1.3
591-78-6	2-Hexanone	ND		5.0	1.2
108-10-1	4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1
67-64-1	Acetone	7.6	J	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
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
124-48-1	Dibromochloromethane	ND		1.0	0.32
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.: 480-55783-1

SDG No.:

Client Sample ID: MW-4 | Lab Sample ID: 480-55880-2

Matrix: Water | Lab File ID: S35887.D

Analysis Method: 8260C | Date Collected: 03/11/2014 14:35

Sample wt/vol: 5(mL) | Date Analyzed: 03/13/2014 17:21

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.: 169830 | Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
79-20-9	Methyl acetate	ND		2.5	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)	105		66-137
460-00-4	4-Bromofluorobenzene (Surr)	100		73-120
2037-26-5	Toluene-d8 (Surr)	102		71-126
1868-53-7	Dibromofluoromethane (Surr)	109		60-140

TestAmerica Buffalo
Target Compound Quantitation Report

Data File: \\Bufchrom\ChromData\HP5973S\20140313-30132.b\S35887.D
Lims ID: 480-55880-K-2 Lab Sample ID: 480-55880-2
Client ID: MW-4
Sample Type: Client
Inject. Date: 13-Mar-2014 17:21:30 ALS Bottle#: 22 Worklist Smp#: 25
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: 480-55880-K-2
Misc. Info.: 480-0030132-025 =480-0030132-025
Operator ID: gtg Instrument ID: HP5973S

Method: \\Bufchrom\ChromData\HP5973S\20140313-30132.b\S-8260.m
Limit Group: MV - 8260C ICAL
Last Update: 13-Mar-2014 19:10:06 Calib Date: 05-Feb-2014 03:36:30
Integrator: RTE ID Type: RT Order ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\Bufchrom\ChromData\HP5973S\20140204-29280.b\S34512.D

Column 1 : ZB-624 (0.25 mm) Det: MS SCAN
Process Host: XAWRK027

First Level Reviewer: diasn Date: 13-Mar-2014 19:10:22

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	On-Col Amt ug/L	Flags
* 153 Fluorobenzene (IS)	70	4.531	4.531	0.0	99	81638	25.0	
* 2 Chlorobenzene-d5	82	6.825	6.825	0.0	82	171433	25.0	
* 3 1,4-Dichlorobenzene-d4	152	8.693	8.693	0.0	93	162503	25.0	
$ 154 Dibromofluoromethane (Surr)	113	4.069	4.069	0.0	58	99693	27.3	
$ 4 1,2-Dichloroethane-d4 (Surr)	67	4.319	4.318	0.001	0	60435	26.1	
$ 5 Toluene-d8 (Surr)	98	5.700	5.699	0.001	92	414310	25.5	
$ 6 4-Bromofluorobenzene (Surr)	174	7.762	7.762	0.0	92	126452	24.9	
10 Dichlorodifluoromethane	85		1.216					
12 Chloromethane	50		1.362					
13 Vinyl chloride	62		1.423					
14 Bromomethane	94		1.678					
15 Chloroethane	64		1.763					
17 Trichlorofluoromethane	101		1.903					
21 1,1,2-Trichloro-1,2,2-trifluoroe	101		2.299					
22 1,1-Dichloroethene	96		2.335					
23 Acetone	43	2.402	2.402	0.0	72	14113	7.56	
26 Carbon disulfide	76		2.499					
27 Methyl acetate	43		2.639					
30 Methylene Chloride	84		2.767					
32 Methyl tert-butyl ether	73		2.889					
34 trans-1,2-Dichloroethene	96		2.931					
39 1,1-Dichloroethane	63		3.254					
45 cis-1,2-Dichloroethene	96		3.698					
43 2-Butanone (MEK)	43		3.728					
50 Chloroform	83		3.941					
51 1,1,1-Trichloroethane	97		4.039					
52 Cyclohexane	56		4.045					
55 Carbon tetrachloride	117		4.148					
57 Benzene	78		4.325					
58 1,2-Dichloroethane	62		4.373					
1 1,4-Difluorobenzene	114		4.617					

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	On-Col Amt ug/L	Flags
62 Trichloroethene	95		4.793					
64 Methylcyclohexane	83		4.890					
65 1,2-Dichloropropane	63		4.988					
68 Dichlorobromomethane	83		5.207					
72 cis-1,3-Dichloropropene	75		5.529					
73 4-Methyl-2-pentanone (MIBK)	43		5.645					
74 Toluene	92		5.754					
77 trans-1,3-Dichloropropene	75		5.961					
79 1,1,2-Trichloroethane	83		6.107					
81 Tetrachloroethene	166		6.150					
80 2-Hexanone	43		6.277					
83 Chlorodibromomethane	129		6.411					
84 Ethylene Dibromide	107		6.496					
87 Chlorobenzene	112		6.849					
88 Ethylbenzene	91		6.910					
90 m-Xylene & p-Xylene	106		7.001					
91 o-Xylene	106		7.324					
92 Styrene	104		7.342					
95 Bromoform	173		7.537					
94 Isopropylbenzene	105		7.610					
97 1,1,2,2-Tetrachloroethane	83		7.914					
111 1,3-Dichlorobenzene	146		8.638					
113 1,4-Dichlorobenzene	146		8.717					
116 1,2-Dichlorobenzene	146		9.027					
117 1,2-Dibromo-3-Chloropropane	75		9.702					
119 1,2,4-Trichlorobenzene	180		10.347					
S 124 Xylenes, Total	1		30.000					

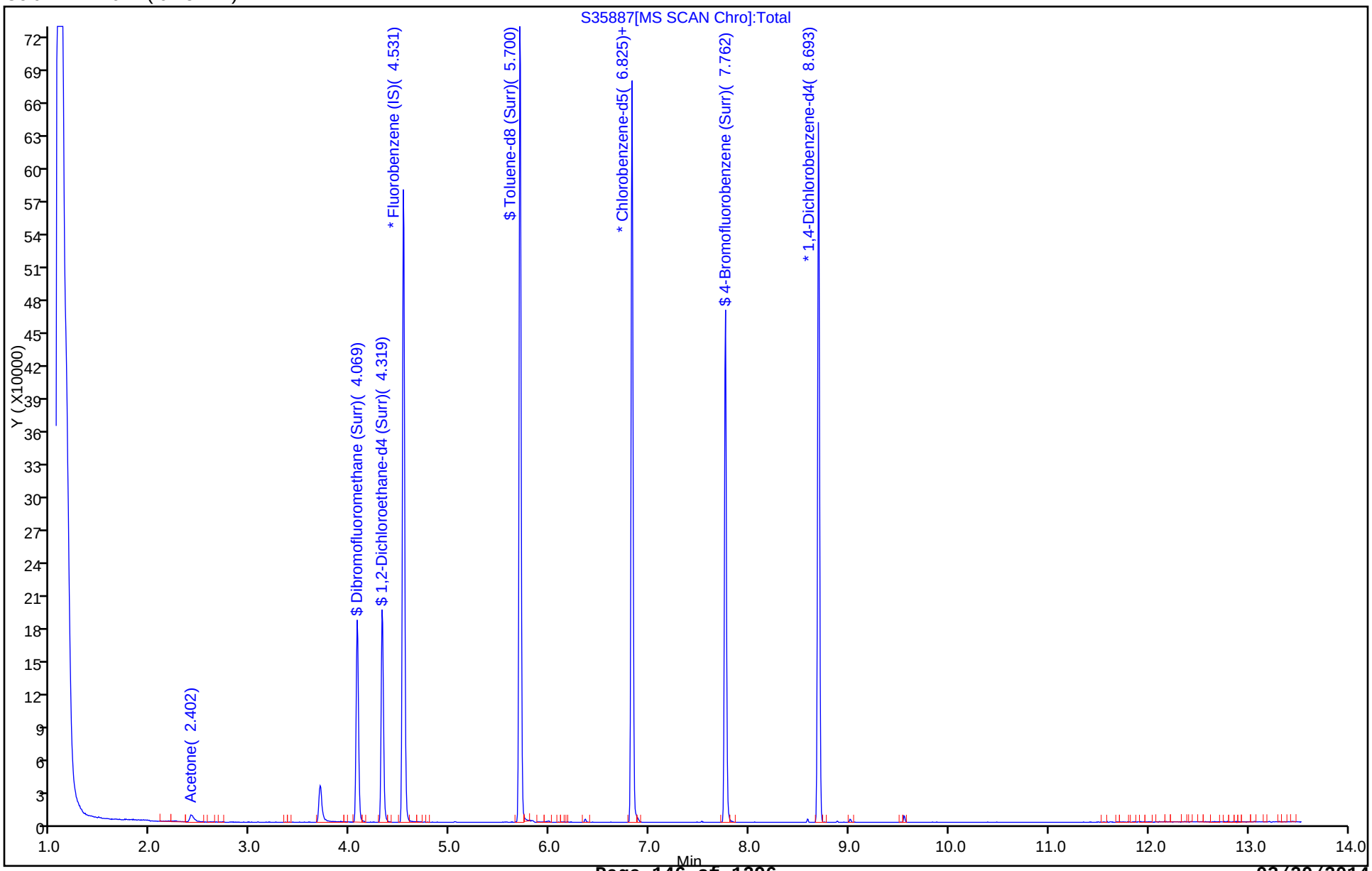
Report Date: 13-Mar-2014 19:10:22 Chrom Revision: 2.1 17-Feb-2014 09:05:58

TestAmerica Buffalo

Data File: \\Bufchrom\ChromData\HP5973S\20140313-30132.b\S35887.D

Injection Date:	13-Mar-2014 17:21:30	Instrument ID:	HP5973S	Operator ID:	gtg
Lims ID:	480-55880-K-2	Lab Sample ID:	480-55880-2	Worklist Smp#:	25
Client ID:	MW-4				
Purge Vol:	5.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	22
Method:	S-8260	Limit Group:	MV - 8260C ICAL		

Column: ZB-624 (0.25 mm)



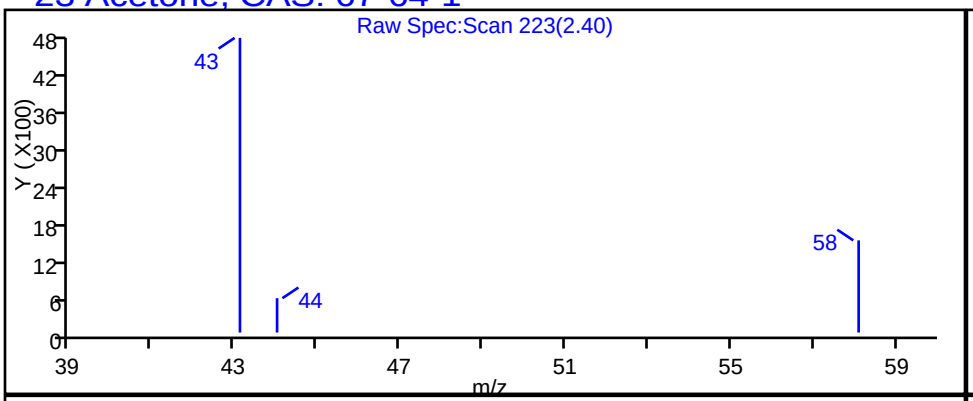
Report Date: 13-Mar-2014 19:10:22 Chrom Revision: 2.1 17-Feb-2014 09:05:58

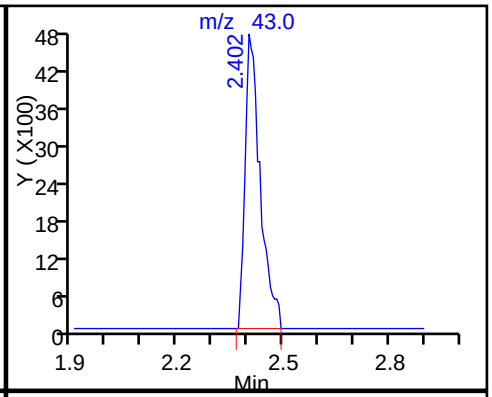
TestAmerica Buffalo

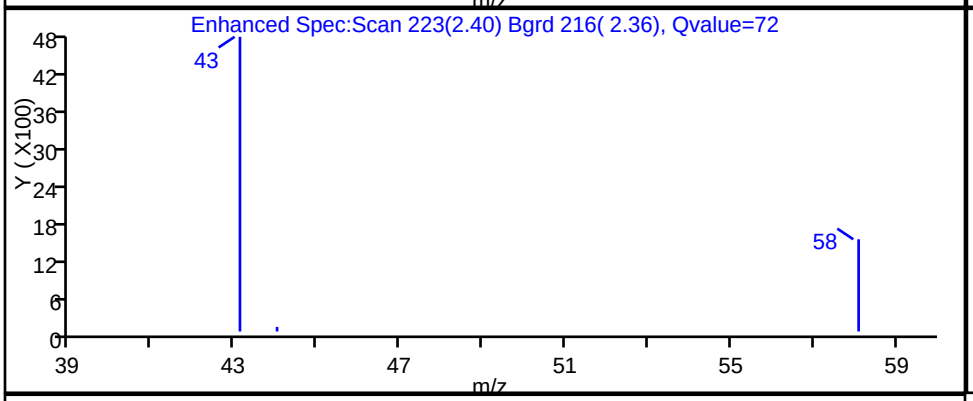
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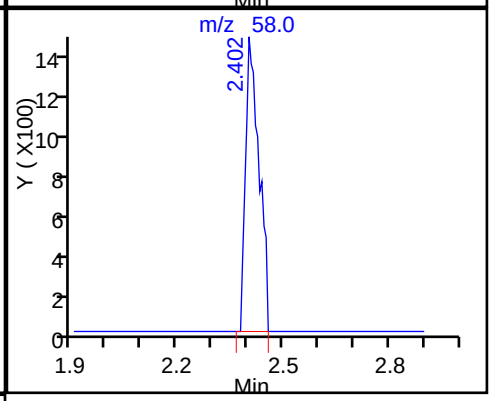
Injection Date:	13-Mar-2014 17:21:30	Instrument ID:	HP5973S
Lims ID:	480-55880-K-2	Lab Sample ID:	480-55880-2
Client ID:	MW-4		
Operator ID:	gtg	ALS Bottle#:	22 Worklist Smp#: 25
Purge Vol:	5.000 mL	Dil. Factor:	1.0000
Method:	S-8260	Limit Group:	MV - 8260C ICAL
Column:	ZB-624 (0.25 mm)	Detector	MS SCAN

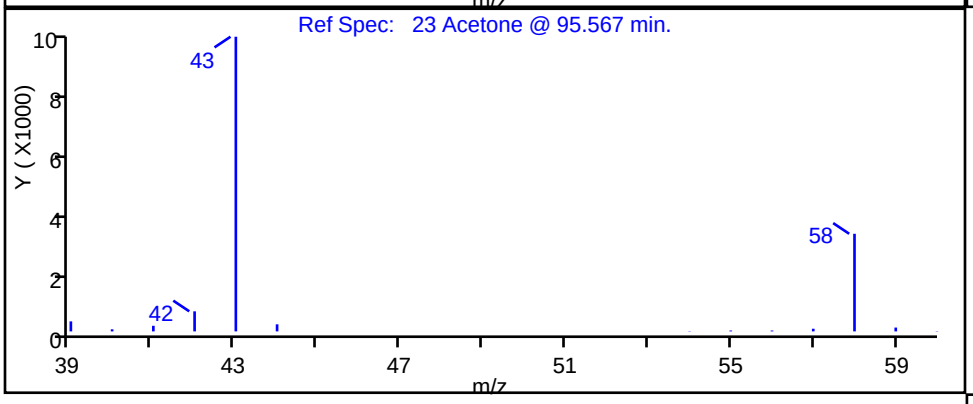
23 Acetone, CAS: 67-64-1

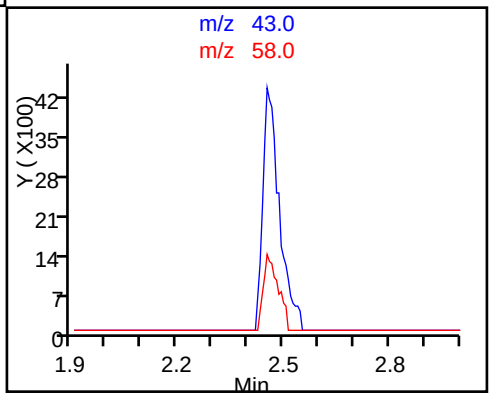












FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Buffalo | Job No.: 480-55783-1

SDG No.:

Client Sample ID: MW-5 | Lab Sample ID: 480-55880-3

Matrix: Water | Lab File ID: S35888.D

Analysis Method: 8260C | Date Collected: 03/11/2014 13:50

Sample wt/vol: 5(mL) | Date Analyzed: 03/13/2014 17:42

Soil Aliquot Vol: | Dilution Factor: 1

Soil Extract Vol.: | GC Column: ZB-624 (60) ID: 0.25(mm)

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

Analysis Batch No.: 169830 | 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
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	ND		1.0	0.31
79-00-5	1,1,2-Trichloroethane	ND		1.0	0.23
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
78-93-3	2-Butanone (MEK)	ND		10	1.3
591-78-6	2-Hexanone	ND		5.0	1.2
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
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
124-48-1	Dibromochloromethane	ND		1.0	0.32
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.: 480-55783-1

SDG No.:

Client Sample ID: MW-5 | Lab Sample ID: 480-55880-3

Matrix: Water | Lab File ID: S35888.D

Analysis Method: 8260C | Date Collected: 03/11/2014 13:50

Sample wt/vol: 5(mL) | Date Analyzed: 03/13/2014 17:42

Soil Aliquot Vol: | Dilution Factor: 1

Soil Extract Vol.: | GC Column: ZB-624 (60) ID: 0.25(mm)

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

Analysis Batch No.: 169830 | Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
79-20-9	Methyl acetate	ND		2.5	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)	106		66-137
460-00-4	4-Bromofluorobenzene (Surr)	96		73-120
2037-26-5	Toluene-d8 (Surr)	100		71-126
1868-53-7	Dibromofluoromethane (Surr)	107		60-140

TestAmerica Buffalo
Target Compound Quantitation Report

Data File: \\Bufchrom\ChromData\HP5973S\20140313-30132.b\S35888.D
Lims ID: 480-55880-K-3 Lab Sample ID: 480-55880-3
Client ID: MW-5
Sample Type: Client
Inject. Date: 13-Mar-2014 17:42:30 ALS Bottle#: 23 Worklist Smp#: 26
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: 480-55880-K-3
Misc. Info.: 480-0030132-026 =480-0030132-026
Operator ID: gtg Instrument ID: HP5973S

Method: \\Bufchrom\ChromData\HP5973S\20140313-30132.b\S-8260.m
Limit Group: MV - 8260C ICAL
Last Update: 13-Mar-2014 19:10:06 Calib Date: 05-Feb-2014 03:36:30
Integrator: RTE ID Type: RT Order ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\Bufchrom\ChromData\HP5973S\20140204-29280.b\S34512.D

Column 1 : ZB-624 (0.25 mm) Det: MS SCAN
Process Host: XAWRK027

First Level Reviewer: diasn Date: 13-Mar-2014 19:10:35

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	On-Col Amt ug/L	Flags
* 153 Fluorobenzene (IS)	70	4.531	4.531	0.0	100	82459	25.0	
* 2 Chlorobenzene-d5	82	6.825	6.825	0.0	82	175704	25.0	
* 3 1,4-Dichlorobenzene-d4	152	8.699	8.693	0.006	92	161048	25.0	
$ 154 Dibromofluoromethane (Surr)	113	4.069	4.069	0.0	57	98825	26.8	
$ 4 1,2-Dichloroethane-d4 (Surr)	67	4.319	4.318	0.001	0	61868	26.5	
$ 5 Toluene-d8 (Surr)	98	5.700	5.699	0.001	92	415000	24.9	
$ 6 4-Bromofluorobenzene (Surr)	174	7.762	7.762	0.0	92	125389	24.1	
10 Dichlorodifluoromethane	85		1.216					
12 Chloromethane	50		1.362					
13 Vinyl chloride	62		1.423					
14 Bromomethane	94		1.678					
15 Chloroethane	64		1.763					
17 Trichlorofluoromethane	101		1.903					
21 1,1,2-Trichloro-1,2,2-trifluoroe	101		2.299					
22 1,1-Dichloroethene	96		2.335					
23 Acetone	43		2.402					
26 Carbon disulfide	76		2.499					
27 Methyl acetate	43		2.639					
30 Methylene Chloride	84		2.767					
32 Methyl tert-butyl ether	73		2.889					
34 trans-1,2-Dichloroethene	96		2.931					
39 1,1-Dichloroethane	63		3.254					
45 cis-1,2-Dichloroethene	96		3.698					
43 2-Butanone (MEK)	43		3.728					
50 Chloroform	83		3.941					
51 1,1,1-Trichloroethane	97		4.039					
52 Cyclohexane	56		4.045					
55 Carbon tetrachloride	117		4.148					
57 Benzene	78		4.325					
58 1,2-Dichloroethane	62		4.373					
1 1,4-Difluorobenzene	114		4.617					

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	On-Col Amt ug/L	Flags
62 Trichloroethene	95		4.793					
64 Methylcyclohexane	83		4.890					
65 1,2-Dichloropropane	63		4.988					
68 Dichlorobromomethane	83		5.207					
72 cis-1,3-Dichloropropene	75		5.529					
73 4-Methyl-2-pentanone (MIBK)	43		5.645					
74 Toluene	92		5.754					
77 trans-1,3-Dichloropropene	75		5.961					
79 1,1,2-Trichloroethane	83		6.107					
81 Tetrachloroethene	166		6.150					
80 2-Hexanone	43		6.277					
83 Chlorodibromomethane	129		6.411					
84 Ethylene Dibromide	107		6.496					
87 Chlorobenzene	112		6.849					
88 Ethylbenzene	91		6.910					
90 m-Xylene & p-Xylene	106		7.001					
91 o-Xylene	106		7.324					
92 Styrene	104		7.342					
95 Bromoform	173		7.537					
94 Isopropylbenzene	105		7.610					
97 1,1,2,2-Tetrachloroethane	83		7.914					
111 1,3-Dichlorobenzene	146		8.638					
113 1,4-Dichlorobenzene	146		8.717					
116 1,2-Dichlorobenzene	146		9.027					
117 1,2-Dibromo-3-Chloropropane	75		9.702					
119 1,2,4-Trichlorobenzene	180		10.347					
S 124 Xylenes, Total	1		30.000					

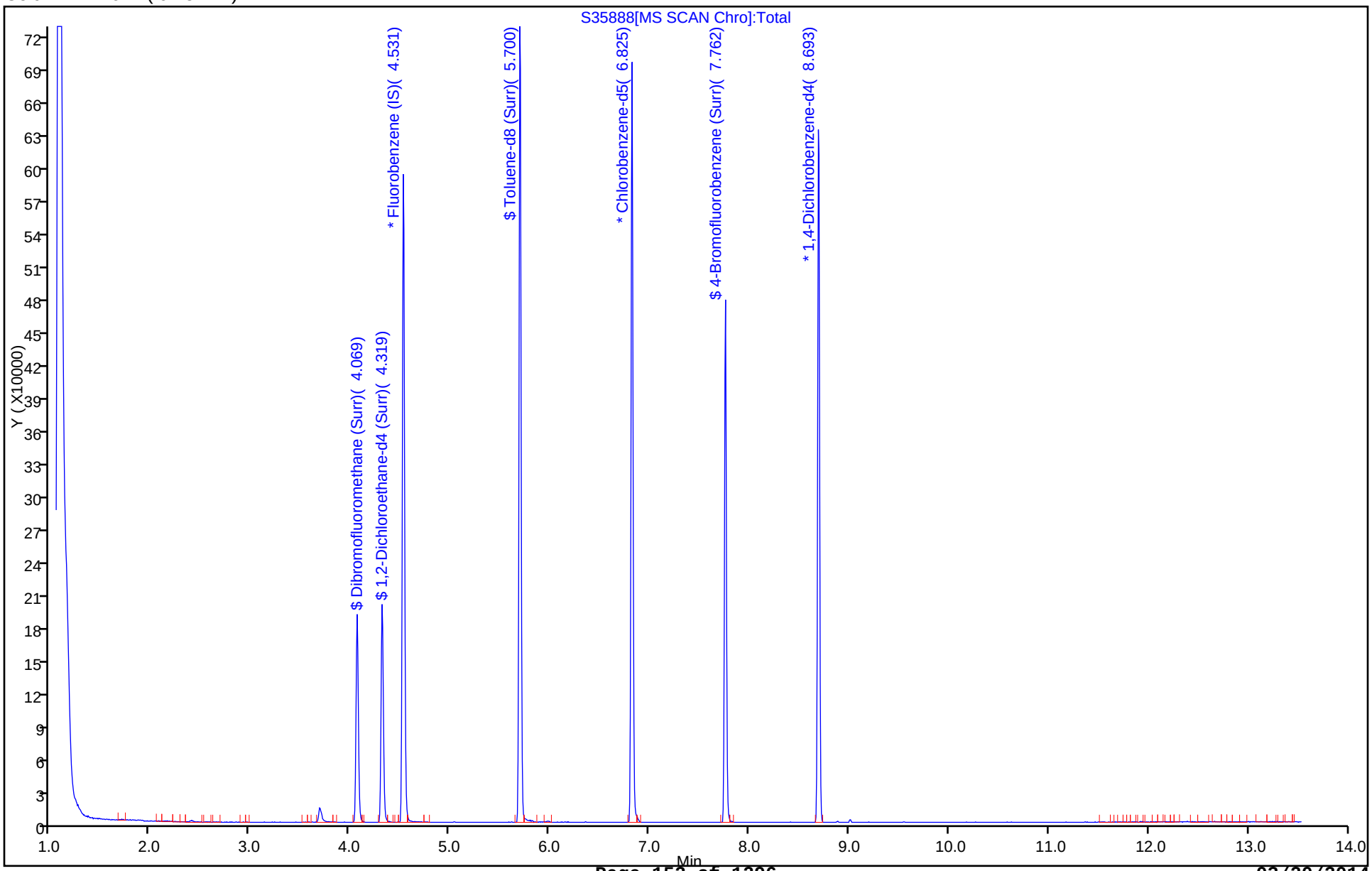
Report Date: 13-Mar-2014 19:10:35 Chrom Revision: 2.1 17-Feb-2014 09:05:58

TestAmerica Buffalo

Data File: \\Bufchrom\ChromData\HP5973S\20140313-30132.b\S35888.D

Injection Date:	13-Mar-2014 17:42:30	Instrument ID:	HP5973S	Operator ID:	gtg
Lims ID:	480-55880-K-3	Lab Sample ID:	480-55880-3	Worklist Smp#:	26
Client ID:	MW-5				
Purge Vol:	5.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	23
Method:	S-8260	Limit Group:	MV - 8260C ICAL		

Column: ZB-624 (0.25 mm)



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

Lab Name: TestAmerica Buffalo Job No.: 480-55783-1 Analy Batch No.: 164519

SDG No.:

Instrument ID: HP5973S GC Column: ZB-624 (60) ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 02/04/2014 21:47 Calibration End Date: 02/04/2014 23:36 Calibration ID: 17374

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 480-164519/6	S34496.D
Level 2	IC 480-164519/7	S34497.D
Level 3	IC 480-164519/8	S34498.D
Level 4	ICIS 480-164519/9	S34499.D
Level 5	IC 480-164519/10	S34500.D
Level 6	IC 480-164519/11	S34501.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	1.9574 1.7714	1.9864	1.8482	1.8637	1.5642	Ave		1.8319			0.1000	8.3		20.0			
Chloromethane	1.8787 1.6697	1.8214	1.6720	1.7304	1.6942	Ave		1.7444			0.1000	5.0		20.0			
Vinyl chloride	1.3839 1.3798	1.4670	1.4674	1.4132	1.3094	Ave		1.4035			0.1000	4.3		20.0			
Butadiene	0.9981 0.8599	1.1702	1.2463	0.9395	0.8033	Ave		1.0029				17.0		20.0			
Bromomethane	0.6321 0.6401	0.6725	0.6996	0.6868	0.6534	Ave		0.6641			0.1000	4.0		20.0			
Chloroethane	0.6804 0.6722	0.7590	0.7291	0.7214	0.6758	Ave		0.7063			0.1000	5.0		20.0			
Trichlorofluoromethane	1.8627 1.6294	1.9450	1.8498	1.8837	1.5728	Ave		1.7906			0.1000	8.5		20.0			
Dichlorofluoromethane	1.9912 1.7633	1.9632	1.9239	1.9655	1.8141	Ave		1.9035				4.9		20.0			
Ethyl ether	1.1480 0.9521	1.0439	1.0320	1.0603	0.9923	Ave		1.0381				6.4		20.0			
Acrolein	0.3071 0.2453	0.2386	0.2157	0.2632	0.2478	Ave		0.2530				12.0		20.0			
1,1,2-Trichloro-1,2,2-trifluoroethane	1.0257 1.3124	1.4096	1.3518	1.4612	1.0990	Ave		1.2766			0.1000	14.0		20.0			
1,1-Dichloroethene	1.3559 1.4041	1.5087	1.4407	1.4925	1.3201	Ave		1.4203			0.1000	5.3		20.0			
Acetone	0.7158 0.4944	0.5886	0.5416	0.5710	0.5173	Ave		0.5715			0.1000	14.0		20.0			
Iodomethane	1.7950 1.7204	1.7721	1.7585	1.6396	1.6437	Ave		1.7215				3.9		20.0			
Carbon disulfide	4.4089 4.1286	4.2072	4.2113	4.3157	3.8583	Ave		4.1883			0.1000	4.5		20.0			

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.: 480-55783-1 Analy Batch No.: 164519

SDG No.:

Instrument ID: HP5973S GC Column: ZB-624 (60) ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 02/04/2014 21:47 Calibration End Date: 02/04/2014 23:36 Calibration ID: 17374

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								
Allyl chloride	1.7711 1.4058	1.7689	1.6194	1.5324	1.4349	Ave		1.5887				10.0		20.0			
Methyl acetate	1.5868 1.3386	1.3991	1.3996	1.4294	1.3347	Ave		1.4147			0.1000	6.5		20.0			
Methylene Chloride	1.9302 1.4756	1.6154	1.5918	1.5623	1.4598	Ave		1.6059			0.1000	11.0		20.0			
2-Methyl-2-propanol	0.2336 0.2158	0.2192	0.2171	0.2168	0.2168	Ave		0.2199				3.1		20.0			
Methyl tert-butyl ether	4.5844 4.1042	4.2152	4.2593	4.2929	4.0580	Ave		4.2523			0.1000	4.4		20.0			
trans-1,2-Dichloroethene	1.5026 1.3855	1.5318	1.4967	1.4500	1.3485	Ave		1.4525			0.1000	5.0		20.0			
Acrylonitrile	0.7380 0.6375	0.6902	0.6900	0.6748	0.6374	Ave		0.6780				5.6		20.0			
Hexane	2.0642 2.0530	2.3091	2.1158	2.2068	1.7392	Ave		2.0813				9.3		20.0			
1,1-Dichloroethane	2.5997 2.2703	2.4944	2.4200	2.3932	2.2150	Ave		2.3988			0.2000	5.9		20.0			
Vinyl acetate	3.3016 3.3058	3.2016	3.3269	3.4021	3.2464	Ave		3.2974				2.1		20.0			
2,2-Dichloropropane	1.7200 1.1152	1.6302	1.4847	1.3517	1.1779	Ave		1.4133				17.0		20.0			
cis-1,2-Dichloroethene	1.5749 1.5046	1.6168	1.5658	1.5688	1.4766	Ave		1.5512			0.1000	3.3		20.0			
2-Butanone (MEK)	0.9865 0.8935	0.9247	0.9113	0.9271	0.8940	Ave		0.9228			0.1000	3.7		20.0			
Chlorobromomethane	0.8408 0.7567	0.7960	0.7791	0.7879	0.7402	Ave		0.7835				4.4		20.0			
Tetrahydrofuran	0.9357 0.6044	0.6725	0.6455	0.6440	0.6113	Ave		0.6856				18.0		20.0			
Chloroform	2.6526 2.2451	2.4173	2.3013	2.3385	2.1872	Ave		2.3570			0.2000	7.0		20.0			
1,1,1-Trichloroethane	1.9115 1.6396	1.8731	1.7798	1.7623	1.5986	Ave		1.7608			0.1000	7.0		20.0			
Cyclohexane	2.3311 2.1073	2.4798	2.2175	2.3338	1.8126	Ave		2.2137			0.1000	11.0		20.0			
Carbon tetrachloride	1.3697 1.5470	1.4916	1.4494	1.5274	1.3697	Ave		1.4591			0.1000	5.3		20.0			
1,1-Dichloropropene	1.8332 1.7191	1.8651	1.7467	1.7856	1.5904	Ave		1.7567				5.6		20.0			

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.: 480-55783-1 Analy Batch No.: 164519

SDG No.:

Instrument ID: HP5973S GC Column: ZB-624 (60) ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 02/04/2014 21:47 Calibration End Date: 02/04/2014 23:36 Calibration ID: 17374

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	0.1009 0.1014	0.1015	0.0978	0.1059	0.1044	Ave		0.1020				2.8		20.0			
Benzene	6.3407 5.3175	5.9179	5.6765	5.6521	5.2918	Ave		5.6994			0.5000	6.9		20.0			
1,2-Dichloroethane	1.9499 1.7798	1.8638	1.8487	1.7841	1.7572	Ave		1.8306			0.1000	3.9		20.0			
n-Heptane	2.1403 2.2914	2.4365	2.3321	2.3385	1.9365	Ave		2.2459				8.0		20.0			
Trichloroethene	1.5605 1.3971	1.4649	1.3839	1.4082	1.3265	Ave		1.4235			0.2000	5.7		20.0			
Methylcyclohexane	2.3755 2.4954	2.6127	2.4361	2.5471	2.1100	Ave		2.4295			0.1000	7.3		20.0			
1,2-Dichloropropane	1.5583 1.3936	1.4685	1.4186	1.4394	1.3775	Ave		1.4427			0.1000	4.5		20.0			
Dibromomethane	0.8438 0.8508	0.8538	0.8495	0.8681	0.8345	Ave		0.8501			0.1000	1.3		20.0			
1,4-Dioxane	0.0068 0.0088	0.0074	0.0073	0.0093	0.0091	Ave		0.0081				13.0		20.0			
Bromodichloromethane	1.6623 1.8151	1.6427	1.6674	1.7734	1.7397	Ave		1.7168			0.2000	4.1		20.0			
2-Chloroethyl vinyl ether	0.9395 1.0514	0.9470	1.0269	1.0295	1.0147	Ave		1.0015				4.7		20.0			
cis-1,3-Dichloropropene	2.1482 2.3294	2.0909	2.1451	2.2887	2.2402	Ave		2.2071			0.2000	4.2		20.0			
4-Methyl-2-pentanone (MIBK)	0.9120 0.8384	0.8964	0.9159	0.9179	0.8772	Ave		0.8930			0.1000	3.4		20.0			
Toluene	2.0661 1.6930	1.8759	1.8116	1.7819	1.6844	Ave		1.8188			0.4000	7.8		20.0			
trans-1,3-Dichloropropene	0.7760 0.9907	0.8793	0.8951	0.9628	0.9557	Ave		0.9099			0.1000	8.6		20.0			
Ethyl methacrylate	0.8647 1.0622	0.9943	1.0321	1.0712	1.0495	Ave		1.0123				7.6		20.0			
1,1,2-Trichloroethane	0.5626 0.5192	0.5607	0.5583	0.5472	0.5225	Ave		0.5451			0.1000	3.6		20.0			
Tetrachloroethene	0.8672 0.7455	0.8116	0.7728	0.7859	0.7083	Ave		0.7819			0.2000	7.0		20.0			
1,3-Dichloropropane	1.2990 1.1201	1.1760	1.1787	1.1740	1.1254	Ave		1.1789				5.5		20.0			
2-Hexanone	0.6416 0.6271	0.6657	0.6765	0.6790	0.6469	Ave		0.6561			0.1000	3.2		20.0			

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.: 480-55783-1 Analy Batch No.: 164519

SDG No.:

Instrument ID: HP5973S GC Column: ZB-624 (60) ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 02/04/2014 21:47 Calibration End Date: 02/04/2014 23:36 Calibration ID: 17374

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								
Dibromochloromethane	0.5599 0.7084	0.5876	0.6198	0.6731	0.6848	Ave		0.6389			0.1000	9.2		20.0			
1,2-Dibromoethane	0.6985 0.6759	0.6809	0.6878	0.6923	0.6730	Ave		0.6847				1.4		20.0			
Chlorobenzene	2.3700 1.9491	2.1373	2.0598	2.0612	1.9541	Ave		2.0886			0.5000	7.4		20.0			
Ethylbenzene	3.6590 3.0826	3.4912	3.3497	3.3706	3.1364	Ave		3.3482			0.1000	6.4		20.0			
1,1,1,2-Tetrachloroethane	0.6428 0.6282	0.6415	0.6371	0.6638	0.6443	Ave		0.6430				1.8		20.0			
m,p-Xylene	1.4648 1.2921	1.4039	1.3547	1.3749	1.2773	Ave		1.3613			0.1000	5.2		20.0			
o-Xylene	1.4427 1.2310	1.3278	1.2907	1.3267	1.2543	Ave		1.3122			0.3000	5.7		20.0			
Styrene	2.0973 2.1575	2.1834	2.1750	2.2822	2.1888	Ave		2.1807			0.3000	2.7		20.0			
Bromoform	0.3155 0.4993	0.3421	0.3773	0.4486	0.4679	Ave		0.4084			0.1000	18.0		20.0			
Isopropylbenzene	3.6524 3.2659	3.6567	3.5731	3.4852	3.2294	Ave		3.4771			0.1000	5.4		20.0			
Bromobenzene	1.0379 0.8734	0.9398	0.9384	0.9250	0.8751	Ave		0.9316				6.4		20.0			
1,1,2,2-Tetrachloroethane	1.0197 0.9092	0.9486	0.9845	0.9558	0.9261	Ave		0.9573			0.3000	4.2		20.0			
N-Propylbenzene	4.3935 3.7144	4.2083	4.1418	4.0530	3.7439	Ave		4.0425				6.6		20.0			
1,2,3-Trichloropropane	0.3629 0.2902	0.3298	0.3322	0.3151	0.3051	Ave		0.3226				7.8		20.0			
trans-1,4-Dichloro-2-butene	0.1703 0.3065	0.2267	0.2605	0.2889	0.2960	Ave		0.2582				20.0		20.0			
2-Chlorotoluene	0.9577 0.8055	0.8901	0.8832	0.8548	0.8124	Ave		0.8673				6.5		20.0			
1,3,5-Trimethylbenzene	2.9729 2.6587	2.9409	2.8985	2.8236	2.6790	Ave		2.8289				4.7		20.0			
4-Chlorotoluene	0.9884 0.8496	0.9329	0.9041	0.8914	0.8522	Ave		0.9031				5.8		20.0			
tert-Butylbenzene	0.7274 0.6169	0.7225	0.6692	0.6650	0.6156	Ave		0.6694				7.3		20.0			
1,2,4-Trimethylbenzene	3.0797 2.7114	3.0000	2.9571	2.9057	2.7647	Ave		2.9031				4.9		20.0			

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.: 480-55783-1 Analy Batch No.: 164519

SDG No.:

Instrument ID: HP5973S GC Column: ZB-624 (60) ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 02/04/2014 21:47 Calibration End Date: 02/04/2014 23:36 Calibration ID: 17374

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								
sec-Butylbenzene	3.6361 3.2990	3.7330	3.5516	3.5473	3.2021	Ave		3.4948				5.8		20.0			
1,3-Dichlorobenzene	1.8086 1.4276	1.6958	1.6772	1.6240	1.5304	Ave		1.6273			0.6000	8.2		20.0			
4-Isopropyltoluene	3.0525 2.6870	3.1523	3.0324	3.0327	2.7531	Ave		2.9517				6.3		20.0			
1,4-Dichlorobenzene	1.8889 1.5632	1.7037	1.6940	1.6605	1.5944	Ave		1.6841			0.5000	6.8		20.0			
n-Butylbenzene	2.3848 2.4230	2.5968	2.4893	2.5934	2.3816	Ave		2.4782				4.0		20.0			
1,2-Dichlorobenzene	1.6936 1.4464	1.6295	1.5923	1.5738	1.5023	Ave		1.5730			0.4000	5.6		20.0			
1,2-Dibromo-3-Chloropropane	0.0881 0.1503	0.1305	0.1388	0.1487	0.1557	Ave		0.1354			0.0500	18.0		20.0			
1,2,4-Trichlorobenzene	0.8129 0.7339	0.8200	0.8091	0.8334	0.8081	Ave		0.8029			0.2000	4.4		20.0			
Hexachlorobutadiene	0.3596 0.2932	0.3820	0.3550	0.3581	0.3058	Ave		0.3423				10.0		20.0			
Naphthalene	2.0809 2.1413	2.2880	2.3175	2.3921	2.3748	Ave		2.2658				5.6		20.0			
1,2,3-Trichlorobenzene	0.7186 0.6057	0.7284	0.6959	0.7015	0.6794	Ave		0.6883				6.4		20.0			
Dibromofluoromethane (Surr)	1.1138 1.1266	1.1090	1.1199	1.1321	1.1102	Ave		1.1186				0.8		20.0			
1,2-Dichloroethane-d4 (Surr)	0.7288 0.6982	0.7075	0.7133	0.7056	0.6963	Ave		0.7083				1.7		20.0			
Toluene-d8 (Surr)	2.3843 2.3581	2.3748	2.3673	2.3742	2.3517	Ave		2.3684				0.5		20.0			
4-Bromofluorobenzene (Surr)	0.7285 0.7502	0.7392	0.7289	0.7470	0.7468	Ave		0.7401				1.3		20.0			

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.: 480-55783-1 Analy Batch No.: 164519

SDG No.:

Instrument ID: HP5973S GC Column: ZB-624 (60) ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 02/04/2014 21:47 Calibration End Date: 02/04/2014 23:36 Calibration ID: 17374

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 480-164519/6	S34496.D
Level 2	IC 480-164519/7	S34497.D
Level 3	IC 480-164519/8	S34498.D
Level 4	ICIS 480-164519/9	S34499.D
Level 5	IC 480-164519/10	S34500.D
Level 6	IC 480-164519/11	S34501.D

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (UG/L)				
			LVL 1 LVL 6	LVL 2	LVL 3	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2	LVL 3	LVL 4	LVL 5
Dichlorodifluoromethane	FB	Ave	10618 961136	54671	100052	249598	422687	1.00 100	5.00	10.0	25.0	50.0
Chloromethane	FB	Ave	10191 905947	50130	90514	231754	457837	1.00 100	5.00	10.0	25.0	50.0
Vinyl chloride	FB	Ave	7507 748679	40377	79439	189268	353839	1.00 100	5.00	10.0	25.0	50.0
Butadiene	FB	Ave	5414 466582	32207	67467	125826	217080	1.00 100	5.00	10.0	25.0	50.0
Bromomethane	FB	Ave	3429 347291	18508	37873	91981	176581	1.00 100	5.00	10.0	25.0	50.0
Chloroethane	FB	Ave	3691 364725	20889	39471	96609	182632	1.00 100	5.00	10.0	25.0	50.0
Trichlorofluoromethane	FB	Ave	10104 884086	53531	100140	252277	425023	1.00 100	5.00	10.0	25.0	50.0
Dichlorofluoromethane	FB	Ave	10801 956720	54032	104150	263231	490229	1.00 100	5.00	10.0	25.0	50.0
Ethyl ether	FB	Ave	6227 516589	28730	55866	142005	268149	1.00 100	5.00	10.0	25.0	50.0
Acrolein	FB	Ave	8330 665609	32837	58378	176240	334829	5.00 500	25.0	50.0	125	250
1,1,2-Trichloro-1,2,2-trifluoroetha ne	FB	Ave	5564 712065	38797	73181	195701	296976	1.00 100	5.00	10.0	25.0	50.0
1,1-Dichloroethene	FB	Ave	7355 761859	41524	77992	199881	356745	1.00 100	5.00	10.0	25.0	50.0
Acetone	FB	Ave	19414 1341225	81000	146600	382368	698993	5.00 500	25.0	50.0	125	250
Iodomethane	FB	Ave	9737 933449	48773	95195	219590	444187	1.00 100	5.00	10.0	25.0	50.0
Carbon disulfide	FB	Ave	23916 2240113	115795	227978	577989	1042632	1.00 100	5.00	10.0	25.0	50.0
Allyl chloride	FB	Ave	9607 762744	48686	87669	205231	387758	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.: 480-55783-1 Analy Batch No.: 164519

SDG No.:

Instrument ID: HP5973S GC Column: ZB-624 (60) ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 02/04/2014 21:47 Calibration End Date: 02/04/2014 23:36 Calibration ID: 17374

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
Methyl acetate	FB	Ave	43038 3631573	192535	378827	957150	1803352	5.00 500	25.0	50.0	125	250
Methylene Chloride	FB	Ave	10470 800656	44462	86171	209234	394491	1.00 100	5.00	10.0	25.0	50.0
2-Methyl-2-propanol	FB	Ave	12674 1171001	60319	117525	290358	585802	10.0 1000	50.0	100	250	500
Methyl tert-butyl ether	FB	Ave	24868 2226861	116015	230576	574938	1096607	1.00 100	5.00	10.0	25.0	50.0
trans-1,2-Dichloroethene	FB	Ave	8151 751719	42159	81024	194191	364404	1.00 100	5.00	10.0	25.0	50.0
Acrylonitrile	FB	Ave	40035 3458865	189966	373532	903795	1722437	10.0 1000	50.0	100	250	500
Hexane	FB	Ave	11197 1113904	63552	114540	295553	470004	1.00 100	5.00	10.0	25.0	50.0
1,1-Dichloroethane	FB	Ave	14102 1231838	68653	131007	320520	598559	1.00 100	5.00	10.0	25.0	50.0
Vinyl acetate	FB	Ave	35819 3587350	176238	360210	911268	1754568	2.00 200	10.0	20.0	50.0	100
2,2-Dichloropropane	FB	Ave	9330 605070	44868	80372	181028	318304	1.00 100	5.00	10.0	25.0	50.0
cis-1,2-Dichloroethene	FB	Ave	8543 816347	44500	84765	210102	399026	1.00 100	5.00	10.0	25.0	50.0
2-Butanone (MEK)	FB	Ave	26756 2423986	127248	246655	620826	1207922	5.00 500	25.0	50.0	125	250
Chlorobromomethane	FB	Ave	4561 410574	21908	42175	105523	200036	1.00 100	5.00	10.0	25.0	50.0
Tetrahydrofuran	FB	Ave	10151 655917	37020	69889	172506	330362	2.00 200	10.0	20.0	50.0	100
Chloroform	FB	Ave	14389 1218140	66531	124584	313188	591044	1.00 100	5.00	10.0	25.0	50.0
1,1,1-Trichloroethane	FB	Ave	10369 889626	51553	96348	236024	431983	1.00 100	5.00	10.0	25.0	50.0
Cyclohexane	FB	Ave	12645 1143388	68252	120044	312567	489820	1.00 100	5.00	10.0	25.0	50.0
Carbon tetrachloride	FB	Ave	7430 839351	41054	78461	204562	370140	1.00 100	5.00	10.0	25.0	50.0
1,1-Dichloropropene	FB	Ave	9944 932763	51334	94559	239138	429793	1.00 100	5.00	10.0	25.0	50.0
Isobutyl alcohol	FB	Ave	13681 1375729	69858	132325	354549	705269	25.0 2500	125	250	625	1250
Benzene	FB	Ave	34395 2885167	162877	307299	756974	1430036	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.: 480-55783-1 Analy Batch No.: 164519

SDG No.:

Instrument ID: HP5973S GC Column: ZB-624 (60) ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 02/04/2014 21:47 Calibration End Date: 02/04/2014 23:36 Calibration ID: 17374

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (UG/L)				
			LVL 1 LVL 6	LVL 2	LVL 3	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2	LVL 3	LVL 4	LVL 5
1,2-Dichloroethane	FB	Ave	10577 965663	51298	100082	238945	474862	1.00 100	5.00	10.0	25.0	50.0
n-Heptane	FB	Ave	11610 1243257	67059	126249	313197	523307	1.00 100	5.00	10.0	25.0	50.0
Trichloroethene	FB	Ave	8465 758064	40318	74916	188600	358455	1.00 100	5.00	10.0	25.0	50.0
Methylcyclohexane	FB	Ave	12886 1353952	71908	131879	341133	570199	1.00 100	5.00	10.0	25.0	50.0
1,2-Dichloropropane	FB	Ave	8453 756141	40418	76796	192780	372251	1.00 100	5.00	10.0	25.0	50.0
Dibromomethane	FB	Ave	4577 461628	23498	45987	116264	225506	1.00 100	5.00	10.0	25.0	50.0
1,4-Dioxane	CBZ	Ave	1511 200553	8175	16111	51421	101108	20.0 2000	100	200	500	1000
Bromodichloromethane	FB	Ave	9017 984854	45212	90267	237511	470130	1.00 100	5.00	10.0	25.0	50.0
2-Chloroethyl vinyl ether	FB	Ave	5096 570480	26063	55589	137875	274203	1.00 100	5.00	10.0	25.0	50.0
cis-1,3-Dichloropropene	FB	Ave	11653 1263889	57549	116124	306524	605391	1.00 100	5.00	10.0	25.0	50.0
4-Methyl-2-pentanone (MIBK)	CBZ	Ave	50546 4776355	249097	504841	1271096	2439176	5.00 500	25.0	50.0	125	250
Toluene	CBZ	Ave	22902 1928867	104258	199712	493509	936724	1.00 100	5.00	10.0	25.0	50.0
trans-1,3-Dichloropropene	CBZ	Ave	8602 1128711	48869	98675	266657	531466	1.00 100	5.00	10.0	25.0	50.0
Ethyl methacrylate	CBZ	Ave	9585 1210201	55259	113781	296665	583635	1.00 100	5.00	10.0	25.0	50.0
1,1,2-Trichloroethane	CBZ	Ave	6236 591516	31160	61546	151543	290556	1.00 100	5.00	10.0	25.0	50.0
Tetrachloroethene	CBZ	Ave	9613 849397	45108	85200	217656	393874	1.00 100	5.00	10.0	25.0	50.0
1,3-Dichloropropane	CBZ	Ave	14399 1276195	65359	129942	325157	625851	1.00 100	5.00	10.0	25.0	50.0
2-Hexanone	CBZ	Ave	35559 3572218	184982	372878	940232	1798611	5.00 500	25.0	50.0	125	250
Dibromochloromethane	CBZ	Ave	6082 790979	32004	66961	182691	373185	0.980 98.0	4.90	9.80	24.5	49.0
1,2-Dibromoethane	CBZ	Ave	7742 770124	37841	75822	191740	374285	1.00 100	5.00	10.0	25.0	50.0
Chlorobenzene	CBZ	Ave	26270 2220661	118785	227083	570879	1086698	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.: 480-55783-1 Analy Batch No.: 164519

SDG No.:

Instrument ID: HP5973S GC Column: ZB-624 (60) ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 02/04/2014 21:47 Calibration End Date: 02/04/2014 23:36 Calibration ID: 17374

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
Ethylbenzene	CBZ	Ave	40558 3512076	194028	369285	933506	1744150	1.00 100	5.00	10.0	25.0	50.0
1,1,1,2-Tetrachloroethane	CBZ	Ave	7125 715697	35653	70238	183851	358325	1.00 100	5.00	10.0	25.0	50.0
m,p-Xylene	CBZ	Ave	16236 1472082	78022	149346	380795	710336	1.00 100	5.00	10.0	25.0	50.0
o-Xylene	CBZ	Ave	15992 1402505	73794	142292	367446	697518	1.00 100	5.00	10.0	25.0	50.0
Styrene	CBZ	Ave	23247 2458090	121344	239777	632065	1217178	1.00 100	5.00	10.0	25.0	50.0
Bromoform	CBZ	Ave	3497 568835	19012	41599	124236	260217	1.00 100	5.00	10.0	25.0	50.0
Isopropylbenzene	DCB	Ave	37057 3565120	193391	363199	932601	1723404	1.00 100	5.00	10.0	25.0	50.0
Bromobenzene	DCB	Ave	10531 953444	49705	95389	247523	467024	1.00 100	5.00	10.0	25.0	50.0
1,1,2,2-Tetrachloroethane	DCB	Ave	10346 992513	50171	100075	255757	494229	1.00 100	5.00	10.0	25.0	50.0
N-Propylbenzene	DCB	Ave	44577 4054780	222566	421008	1084532	1997946	1.00 100	5.00	10.0	25.0	50.0
1,2,3-Trichloropropane	DCB	Ave	3682 316844	17441	33771	84317	162819	1.00 100	5.00	10.0	25.0	50.0
trans-1,4-Dichloro-2-butene	DCB	Ave	1728 334584	11987	26481	77311	157968	1.00 100	5.00	10.0	25.0	50.0
2-Chlorotoluene	DCB	Ave	9717 879300	47075	89779	228727	433570	1.00 100	5.00	10.0	25.0	50.0
1,3,5-Trimethylbenzene	DCB	Ave	30163 2902289	155536	294622	755574	1429647	1.00 100	5.00	10.0	25.0	50.0
4-Chlorotoluene	DCB	Ave	10028 927429	49338	91902	238541	454767	1.00 100	5.00	10.0	25.0	50.0
tert-Butylbenzene	DCB	Ave	7380 673388	38211	68024	177942	328513	1.00 100	5.00	10.0	25.0	50.0
1,2,4-Trimethylbenzene	DCB	Ave	31247 2959860	158662	300580	777545	1475389	1.00 100	5.00	10.0	25.0	50.0
sec-Butylbenzene	DCB	Ave	36892 3601255	197428	361009	949213	1708833	1.00 100	5.00	10.0	25.0	50.0
1,3-Dichlorobenzene	DCB	Ave	18350 1558420	89686	170488	434562	816732	1.00 100	5.00	10.0	25.0	50.0
4-Isopropyltoluene	DCB	Ave	30971 2933173	166717	308234	811504	1469232	1.00 100	5.00	10.0	25.0	50.0
1,4-Dichlorobenzene	DCB	Ave	19165 1706475	90104	172190	444322	850849	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.: 480-55783-1 Analy Batch No.: 164519

SDG No.:

Instrument ID: HP5973S GC Column: ZB-624 (60) ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 02/04/2014 21:47 Calibration End Date: 02/04/2014 23:36 Calibration ID: 17374

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
n-Butylbenzene	DCB	Ave	24196 2645020	137335	253037	693971	1270973	1.00 100	5.00	10.0	25.0	50.0
1,2-Dichlorobenzene	DCB	Ave	17183 1578892	86178	161859	421129	801733	1.00 100	5.00	10.0	25.0	50.0
1,2-Dibromo-3-Chloropropane	DCB	Ave	894 164113	6902	14112	39778	83084	1.00 100	5.00	10.0	25.0	50.0
1,2,4-Trichlorobenzene	DCB	Ave	8248 801127	43367	82245	223010	431267	1.00 100	5.00	10.0	25.0	50.0
Hexachlorobutadiene	DCB	Ave	3649 320084	20202	36084	95834	163208	1.00 100	5.00	10.0	25.0	50.0
Naphthalene	DCB	Ave	21113 2337563	121003	235569	640112	1267348	1.00 100	5.00	10.0	25.0	50.0
1,2,3-Trichlorobenzene	DCB	Ave	7291 661219	38524	70735	187705	362588	1.00 100	5.00	10.0	25.0	50.0
Dibromofluoromethane (Surr)	FB	Ave	151040 152821	152618	151559	151618	150006	25.0 25.0	25.0	25.0	25.0	25.0
1,2-Dichloroethane-d4 (Surr)	FB	Ave	98830 94709	97359	96536	94502	94083	25.0 25.0	25.0	25.0	25.0	25.0
Toluene-d8 (Surr)	CBZ	Ave	660722 671662	659901	652448	657540	653889	25.0 25.0	25.0	25.0	25.0	25.0
4-Bromofluorobenzene (Surr)	CBZ	Ave	201882 213693	205417	200895	206882	207647	25.0 25.0	25.0	25.0	25.0	25.0

Curve Type Legend:
Ave = Average ISTD

TestAmerica Buffalo
Target Compound Quantitation Report

Data File: \\Bufchrom\ChromData\HP5973S\20140204-29280.b\S34496.D
Lims ID: IC Lab Sample ID:
Client ID:
Sample Type: IC Calib Level: 1
Inject. Date: 04-Feb-2014 21:47:30 ALS Bottle#: 6 Worklist Smp#: 6
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: IC
Misc. Info.: 480-0029280-006 =480-0029280-006
Operator ID: NMD Instrument ID: HP5973S
Sublist: chrom-S-8260*sub26

Method: \\Bufchrom\ChromData\HP5973S\20140204-29280.b\S-8260.m
Limit Group: MV - 8260C ICAL
Last Update: 05-Feb-2014 19:29:47 Calib Date: 05-Feb-2014 03:36:30
Integrator: RTE ID Type: RT Order ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\Bufchrom\ChromData\HP5973S\20140204-29280.b\S34512.D

Column 1 : ZB-624 (0.25 mm) Det: MS SCAN
Process Host: XAWRK016

First Level Reviewer: HillL Date: 05-Feb-2014 15:59:13

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	On-Col Amt ug/L	Flags
* 153 Fluorobenzene (IS)	70	4.532	4.532	0.0	99	135611	25.0	
* 2 Chlorobenzene-d5	82	6.825	6.825	0.0	83	277112	25.0	
* 3 1,4-Dichlorobenzene-d4	152	8.699	8.699	0.0	92	253651	25.0	
$ 154 Dibromofluoromethane (Surr)	113	4.069	4.069	0.0	58	151040	24.9	
$ 4 1,2-Dichloroethane-d4 (Surr)	67	4.319	4.319	0.0	0	98830	25.7	
$ 5 Toluene-d8 (Surr)	98	5.706	5.706	0.0	90	660722	25.2	
$ 6 4-Bromofluorobenzene (Surr)	174	7.762	7.762	0.0	91	201882	24.6	
10 Dichlorodifluoromethane	85	1.216	1.222	-0.006	45	10618	1.07	
12 Chloromethane	50	1.350	1.350	0.0	40	10191	1.08	
13 Vinyl chloride	62	1.435	1.435	0.0	21	7507	0.9861	
151 Butadiene	54	1.447	1.441	0.006	30	5414	1.00	
14 Bromomethane	94	1.678	1.691	-0.013	10	3429	0.9519	
15 Chloroethane	64	1.764	1.776	-0.012	1	3691	0.9634	
17 Trichlorofluoromethane	101	1.922	1.916	0.006	20	10104	1.04	
16 Dichlorofluoromethane	67	1.910	1.922	-0.012	25	10801	1.05	
18 Ethyl ether	59	2.116	2.116	0.0	76	6227	1.11	
20 Acrolein	56	2.275	2.275	0.0	52	8330	6.07	
21 1,1,2-Trichloro-1,2,2-trifluoroe	101	2.281	2.329	-0.048	1	5564	0.8035	
22 1,1-Dichloroethene	96	2.341	2.341	0.0	49	7355	0.9546	
23 Acetone	43	2.408	2.402	0.006	80	19414	6.26	
25 Iodomethane	142	2.494	2.506	-0.012	16	9737	1.04	
26 Carbon disulfide	76	2.512	2.506	0.006	89	23916	1.05	
28 3-Chloro-1-propene	41	2.609	2.603	0.006	36	9607	1.11	
27 Methyl acetate	43	2.646	2.640	0.006	93	43038	5.61	
30 Methylene Chloride	84	2.779	2.779	0.0	60	10470	1.20	
31 2-Methyl-2-propanol	59	2.852	2.846	0.006	80	12674	10.6	
32 Methyl tert-butyl ether	73	2.895	2.895	0.0	82	24868	1.08	
34 trans-1,2-Dichloroethene	96	2.913	2.907	0.006	58	8151	1.03	
33 Acrylonitrile	53	2.968	2.968	0.0	99	40035	10.9	
35 Hexane	57	3.059	3.059	0.0	82	11197	0.99	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	On-Col Amt ug/L	Flags
39 1,1-Dichloroethane	63	3.248	3.254	-0.006	44	14102	1.08	
37 Vinyl acetate	43	3.297	3.291	0.006	95	35819	2.00	
44 2,2-Dichloropropane	77	3.674	3.674	0.0	65	9330	1.22	
45 cis-1,2-Dichloroethene	96	3.698	3.698	0.0	36	8543	1.02	
43 2-Butanone (MEK)	43	3.741	3.735	0.006	91	26756	5.34	
48 Chlorobromomethane	128	3.887	3.887	0.0	72	4561	1.07	
49 Tetrahydrofuran	42	3.917	3.905	0.012	80	10151	2.73	
50 Chloroform	83	3.941	3.948	-0.007	64	14389	1.13	
51 1,1,1-Trichloroethane	97	4.039	4.039	0.0	55	10369	1.09	
52 Cyclohexane	56	4.039	4.039	0.0	78	12645	1.05	
55 Carbon tetrachloride	117	4.148	4.148	0.0	65	7430	0.9387	
54 1,1-Dichloropropene	75	4.160	4.160	0.0	65	9944	1.04	
53 Isobutyl alcohol	43	4.325	4.319	0.006	31	13681	24.7	
57 Benzene	78	4.325	4.325	0.0	73	34395	1.11	
58 1,2-Dichloroethane	62	4.379	4.379	0.0	66	10577	1.07	
59 n-Heptane	43	4.452	4.452	0.0	80	11610	0.9530	
62 Trichloroethene	95	4.793	4.793	0.0	75	8465	1.10	
64 Methylcyclohexane	83	4.890	4.890	0.0	78	12886	0.9778	
65 1,2-Dichloropropane	63	4.994	4.994	0.0	67	8453	1.08	
67 Dibromomethane	93	5.097	5.097	0.0	73	4577	0.99	
66 1,4-Dioxane	88	5.103	5.103	0.0	7	1511	16.8	
68 Dichlorobromomethane	83	5.207	5.207	0.0	66	9017	0.9683	
69 2-Chloroethyl vinyl ether	63	5.426	5.426	0.0	57	5096	0.9381	
72 cis-1,3-Dichloropropene	75	5.529	5.529	0.0	58	11653	0.9733	
73 4-Methyl-2-pentanone (MIBK)	43	5.651	5.645	0.006	93	50546	5.11	
74 Toluene	92	5.754	5.754	0.0	86	22902	1.14	
77 trans-1,3-Dichloropropene	75	5.961	5.961	0.0	63	8602	0.8529	
75 Ethyl methacrylate	69	5.992	5.992	0.0	75	9585	0.8542	
79 1,1,2-Trichloroethane	83	6.107	6.107	0.0	63	6236	1.03	
81 Tetrachloroethene	166	6.150	6.150	0.0	79	9613	1.11	
82 1,3-Dichloropropane	76	6.235	6.235	0.0	77	14399	1.10	
80 2-Hexanone	43	6.284	6.284	0.0	93	35559	4.89	
83 Chlorodibromomethane	129	6.411	6.411	0.0	40	6082	0.8588	
84 Ethylene Dibromide	107	6.497	6.497	0.0	42	7742	1.02	
87 Chlorobenzene	112	6.849	6.849	0.0	89	26270	1.13	
88 Ethylbenzene	91	6.916	6.910	0.006	89	40558	1.09	
89 1,1,1,2-Tetrachloroethane	131	6.916	6.916	0.0	55	7125	1.00	
90 m-Xylene & p-Xylene	106	7.008	7.001	0.007	0	16236	1.08	
91 o-Xylene	106	7.324	7.324	0.0	81	15992	1.10	
92 Styrene	104	7.348	7.342	0.006	77	23247	0.9617	
95 Bromoform	173	7.537	7.537	0.0	59	3497	0.7724	
94 Isopropylbenzene	105	7.610	7.610	0.0	80	37057	1.05	
101 Bromobenzene	156	7.884	7.884	0.0	81	10531	1.11	
97 1,1,2,2-Tetrachloroethane	83	7.920	7.914	0.006	53	10346	1.07	
99 N-Propylbenzene	91	7.938	7.938	0.0	94	44577	1.09	
100 1,2,3-Trichloropropane	110	7.951	7.951	0.0	52	3682	1.13	
98 trans-1,4-Dichloro-2-butene	53	7.957	7.957	0.0	34	1728	0.6597	
103 2-Chlorotoluene	126	8.030	8.030	0.0	87	9717	1.10	
102 1,3,5-Trimethylbenzene	105	8.084	8.078	0.006	78	30163	1.05	
105 4-Chlorotoluene	126	8.121	8.115	0.006	77	10028	1.09	
106 tert-Butylbenzene	134	8.346	8.346	0.0	69	7380	1.09	
107 1,2,4-Trimethylbenzene	105	8.389	8.389	0.0	75	31247	1.06	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	On-Col Amt ug/L	Flags
109 sec-Butylbenzene	105	8.522	8.522	0.0	69	36892	1.04	
110 4-Isopropyltoluene	119	8.638	8.638	0.0	83	30971	1.03	
111 1,3-Dichlorobenzene	146	8.638	8.638	0.0	61	18350	1.11	
113 1,4-Dichlorobenzene	146	8.717	8.717	0.0	76	19165	1.12	
115 n-Butylbenzene	91	8.979	8.979	0.0	75	24196	0.9623	
116 1,2-Dichlorobenzene	146	9.027	9.027	0.0	82	17183	1.08	
117 1,2-Dibromo-3-Chloropropane	75	9.709	9.703	0.006	1	894	0.6510	
119 1,2,4-Trichlorobenzene	180	10.347	10.347	0.0	41	8248	1.01	
120 Hexachlorobutadiene	225	10.451	10.451	0.0	33	3649	1.05	
121 Naphthalene	128	10.560	10.560	0.0	74	21113	0.9184	
122 1,2,3-Trichlorobenzene	180	10.755	10.755	0.0	41	7291	1.04	
S 125 1,2-Dichloroethene, Total	1				0		2.05	
S 126 1,3-Dichloropropene, Total	1				0		1.83	
S 123 Total BTEX	1				0		5.52	
S 124 Xylenes, Total	1				0		2.18	

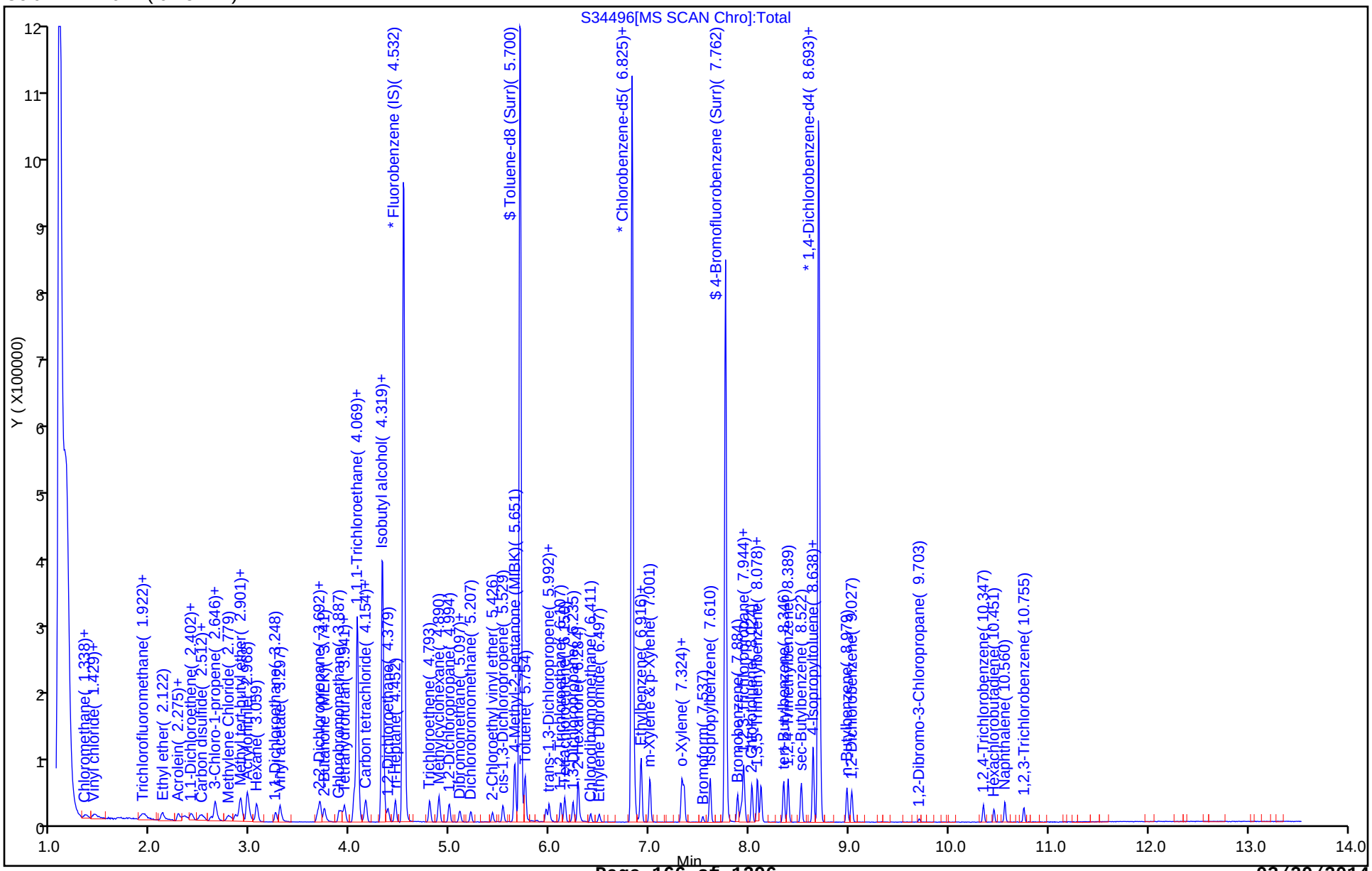
Report Date: 05-Feb-2014 19:29:49 Chrom Revision: 2.1 15-Jan-2014 14:06:26

TestAmerica Buffalo

Data File: \\Bufchrom\ChromData\HP5973S\20140204-29280.b\S34496.D

Injection Date:	04-Feb-2014 21:47:30	Instrument ID:	HP5973S	Operator ID:	NMD
Lims ID:	IC	Lab Sample ID:		Worklist Smp#:	6
Client ID:					
Purge Vol:	5.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	6
Method:	S-8260	Limit Group:	MV - 8260C ICAL		

Column: ZB-624 (0.25 mm)



TestAmerica Buffalo
Target Compound Quantitation Report

Data File: \\Bufchrom\ChromData\HP5973S\20140204-29280.b\S34497.D
Lims ID: IC 2 Lab Sample ID:
Client ID:
Sample Type: IC Calib Level: 2
Inject. Date: 04-Feb-2014 22:09:30 ALS Bottle#: 7 Worklist Smp#: 7
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: IC 2
Misc. Info.: 480-0029280-007 =480-0029280-007
Operator ID: NMD Instrument ID: HP5973S
Sublist: chrom-S-8260*sub26

Method: \\Bufchrom\ChromData\HP5973S\20140204-29280.b\S-8260.m
Limit Group: MV - 8260C ICAL
Last Update: 05-Feb-2014 19:09:15 Calib Date: 05-Feb-2014 03:36:30
Integrator: RTE ID Type: RT Order ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\Bufchrom\ChromData\HP5973S\20140204-29280.b\S34512.D

Column 1 : ZB-624 (0.25 mm) Det: MS SCAN
Process Host: XAWRK016

First Level Reviewer: HillL Date: 05-Feb-2014 14:26:53

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	On-Col Amt ug/L	Flags
* 153 Fluorobenzene (IS)	70	4.531	4.531	0.0	99	137615	25.0	
* 2 Chlorobenzene-d5	82	6.825	6.825	0.0	83	277882	25.0	
* 3 1,4-Dichlorobenzene-d4	152	8.699	8.699	0.0	93	264434	25.0	
$ 154 Dibromofluoromethane (Surr)	113	4.069	4.069	0.0	59	152618	24.8	
$ 4 1,2-Dichloroethane-d4 (Surr)	67	4.325	4.319	0.006	0	97359	25.0	
$ 5 Toluene-d8 (Surr)	98	5.705	5.706	-0.001	91	659901	25.1	
$ 6 4-Bromofluorobenzene (Surr)	174	7.762	7.762	0.0	91	205417	25.0	
10 Dichlorodifluoromethane	85	1.222	1.222	0.0	82	54671	5.42	
12 Chloromethane	50	1.350	1.350	0.0	85	50130	5.22	M
13 Vinyl chloride	62	1.435	1.435	0.0	71	40377	5.23	
151 Butadiene	54	1.435	1.441	-0.006	38	32207	5.83	
14 Bromomethane	94	1.684	1.691	-0.007	73	18508	5.06	
15 Chloroethane	64	1.788	1.776	0.012	62	20889	5.37	
17 Trichlorofluoromethane	101	1.928	1.916	0.012	64	53531	5.43	
16 Dichlorofluoromethane	67	1.934	1.922	0.012	74	54032	5.16	
18 Ethyl ether	59	2.116	2.116	0.0	92	28730	5.03	
20 Acrolein	56	2.274	2.275	-0.001	89	32837	23.6	
21 1,1,2-Trichloro-1,2,2-trifluoroe	101	2.280	2.329	-0.049	22	38797	5.52	
22 1,1-Dichloroethene	96	2.353	2.341	0.012	77	41524	5.31	
23 Acetone	43	2.408	2.402	0.006	98	81000	25.8	
25 Iodomethane	142	2.506	2.506	0.0	72	48773	5.15	
26 Carbon disulfide	76	2.518	2.506	0.012	96	115795	5.02	
28 3-Chloro-1-propene	41	2.603	2.603	0.0	77	48686	5.57	
27 Methyl acetate	43	2.645	2.640	0.005	96	192535	24.7	
30 Methylene Chloride	84	2.785	2.779	0.006	77	44462	5.03	
31 2-Methyl-2-propanol	59	2.852	2.846	0.006	95	60319	49.8	
32 Methyl tert-butyl ether	73	2.895	2.895	0.0	88	116015	4.96	
34 trans-1,2-Dichloroethene	96	2.907	2.907	0.0	90	42159	5.27	
33 Acrylonitrile	53	2.968	2.968	0.0	99	189966	50.9	
35 Hexane	57	3.065	3.059	0.006	88	63552	5.55	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	On-Col Amt ug/L	Flags
39 1,1-Dichloroethane	63	3.254	3.254	0.0	78	68653	5.20	
37 Vinyl acetate	43	3.296	3.291	0.005	96	176238	9.71	
44 2,2-Dichloropropane	77	3.674	3.674	0.0	90	44868	5.77	
45 cis-1,2-Dichloroethene	96	3.698	3.698	0.0	66	44500	5.21	
43 2-Butanone (MEK)	43	3.734	3.735	-0.001	100	127248	25.0	
48 Chlorobromomethane	128	3.887	3.887	-0.001	86	21908	5.08	
49 Tetrahydrofuran	42	3.911	3.905	0.006	86	37020	9.81	
50 Chloroform	83	3.947	3.948	-0.001	75	66531	5.13	
52 Cyclohexane	56	4.045	4.039	0.006	88	68252	5.60	
51 1,1,1-Trichloroethane	97	4.045	4.039	0.006	76	51553	5.32	
55 Carbon tetrachloride	117	4.148	4.148	0.0	76	41054	5.11	
54 1,1-Dichloropropene	75	4.160	4.160	0.0	89	51334	5.31	
53 Isobutyl alcohol	43	4.325	4.319	0.006	54	69858	124.4	
57 Benzene	78	4.325	4.325	0.0	86	162877	5.19	
58 1,2-Dichloroethane	62	4.379	4.379	0.0	83	51298	5.09	
59 n-Heptane	43	4.452	4.452	0.0	92	67059	5.42	
62 Trichloroethene	95	4.793	4.793	0.0	91	40318	5.15	
64 Methylcyclohexane	83	4.890	4.890	0.0	88	71908	5.38	
65 1,2-Dichloropropane	63	4.994	4.994	0.0	90	40418	5.09	
67 Dibromomethane	93	5.097	5.097	0.0	86	23498	5.02	
66 1,4-Dioxane	88	5.109	5.103	0.006	66	8175	90.7	
68 Dichlorobromomethane	83	5.207	5.207	0.0	88	45212	4.78	
69 2-Chloroethyl vinyl ether	63	5.426	5.426	0.0	83	26063	4.73	
72 cis-1,3-Dichloropropene	75	5.529	5.529	0.0	79	57549	4.74	
73 4-Methyl-2-pentanone (MIBK)	43	5.645	5.645	0.0	97	249097	25.1	
74 Toluene	92	5.754	5.754	0.0	91	104258	5.16	
77 trans-1,3-Dichloropropene	75	5.961	5.961	0.0	88	48869	4.83	
75 Ethyl methacrylate	69	5.991	5.992	-0.001	88	55259	4.91	
79 1,1,2-Trichloroethane	83	6.113	6.107	0.006	83	31160	5.14	
81 Tetrachloroethene	166	6.150	6.150	0.0	86	45108	5.19	
82 1,3-Dichloropropane	76	6.235	6.235	0.0	90	65359	4.99	
80 2-Hexanone	43	6.283	6.284	-0.001	96	184982	25.4	
83 Chlorodibromomethane	129	6.411	6.411	0.0	81	32004	4.51	
84 Ethylene Dibromide	107	6.496	6.497	-0.001	89	37841	4.97	
87 Chlorobenzene	112	6.849	6.849	0.0	96	118785	5.12	
88 Ethylbenzene	91	6.916	6.910	0.006	98	194028	5.21	
89 1,1,1,2-Tetrachloroethane	131	6.916	6.916	0.0	83	35653	4.99	
90 m-Xylene & p-Xylene	106	7.001	7.001	0.0	0	78022	5.16	
91 o-Xylene	106	7.324	7.324	0.0	97	73794	5.06	
92 Styrene	104	7.348	7.342	0.006	94	121344	5.01	
95 Bromoform	173	7.537	7.537	0.0	91	19012	4.19	
94 Isopropylbenzene	105	7.610	7.610	0.0	93	193391	5.26	
101 Bromobenzene	156	7.883	7.884	-0.001	87	49705	5.04	
97 1,1,2,2-Tetrachloroethane	83	7.914	7.914	0.0	79	50171	4.95	
99 N-Propylbenzene	91	7.938	7.938	0.0	98	222566	5.21	
100 1,2,3-Trichloropropane	110	7.950	7.951	-0.001	78	17441	5.11	
98 trans-1,4-Dichloro-2-butene	53	7.956	7.957	-0.001	65	11987	4.39	
103 2-Chlorotoluene	126	8.029	8.030	-0.001	95	47075	5.13	
102 1,3,5-Trimethylbenzene	105	8.078	8.078	0.0	85	155536	5.20	
105 4-Chlorotoluene	126	8.121	8.115	0.006	95	49338	5.16	
106 tert-Butylbenzene	134	8.346	8.346	0.0	89	38211	5.40	
107 1,2,4-Trimethylbenzene	105	8.388	8.389	-0.001	87	158662	5.17	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	On-Col Amt ug/L	Flags
109 sec-Butylbenzene	105	8.522	8.522	0.0	91	197428	5.34	
111 1,3-Dichlorobenzene	146	8.638	8.638	0.0	70	89686	5.21	
110 4-Isopropyltoluene	119	8.638	8.638	0.0	95	166717	5.34	
113 1,4-Dichlorobenzene	146	8.717	8.717	0.0	92	90104	5.06	
115 n-Butylbenzene	91	8.978	8.979	-0.001	95	137335	5.24	
116 1,2-Dichlorobenzene	146	9.027	9.027	0.0	95	86178	5.18	
117 1,2-Dibromo-3-Chloropropane	75	9.702	9.703	-0.001	51	6902	4.82	
119 1,2,4-Trichlorobenzene	180	10.347	10.347	0.0	87	43367	5.11	
120 Hexachlorobutadiene	225	10.457	10.451	0.006	86	20202	5.58	
121 Naphthalene	128	10.560	10.560	0.0	95	121003	5.05	
122 1,2,3-Trichlorobenzene	180	10.755	10.755	0.0	89	38524	5.29	
S 123 Total BTEX	1				0		25.8	
S 124 Xylenes, Total	1				0		10.2	
S 125 1,2-Dichloroethene, Total	1				0		10.5	
S 126 1,3-Dichloropropene, Total	1				0		9.57	

QC Flag Legend

Review Flags
M - Manually Integrated

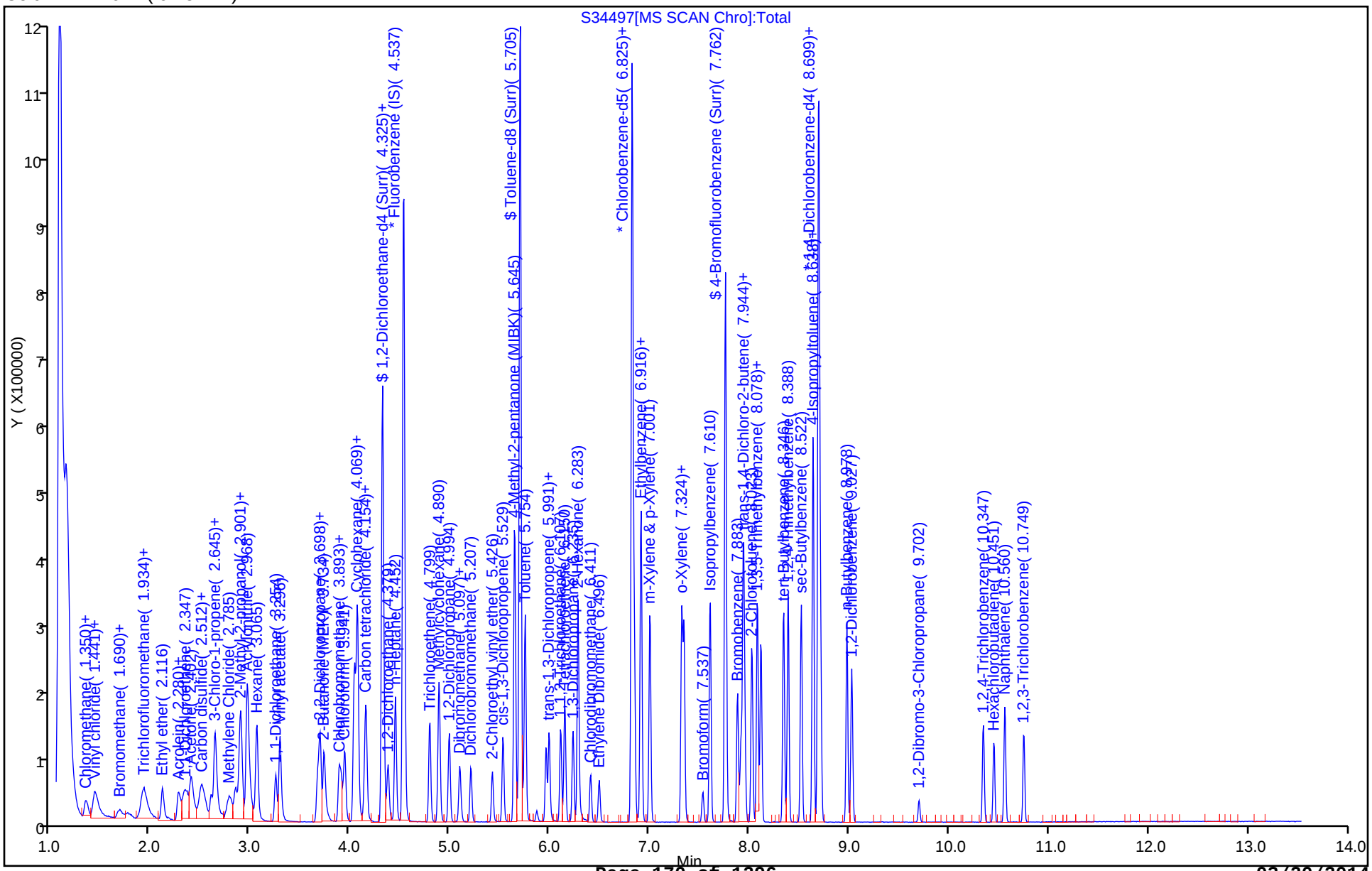
Report Date: 05-Feb-2014 19:09:16 Chrom Revision: 2.1 15-Jan-2014 14:06:26

TestAmerica Buffalo

Data File: \\Bufchrom\ChromData\HP5973S\20140204-29280.b\S34497.D

Injection Date:	04-Feb-2014 22:09:30	Instrument ID:	HP5973S	Operator ID:	NMD
Lims ID:	IC 2	Lab Sample ID:		Worklist Smp#:	7
Client ID:					
Purge Vol:	5.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	7
Method:	S-8260	Limit Group:	MV - 8260C ICAL		

Column: ZB-624 (0.25 mm)



Manual Integration/User Assign Peak Report

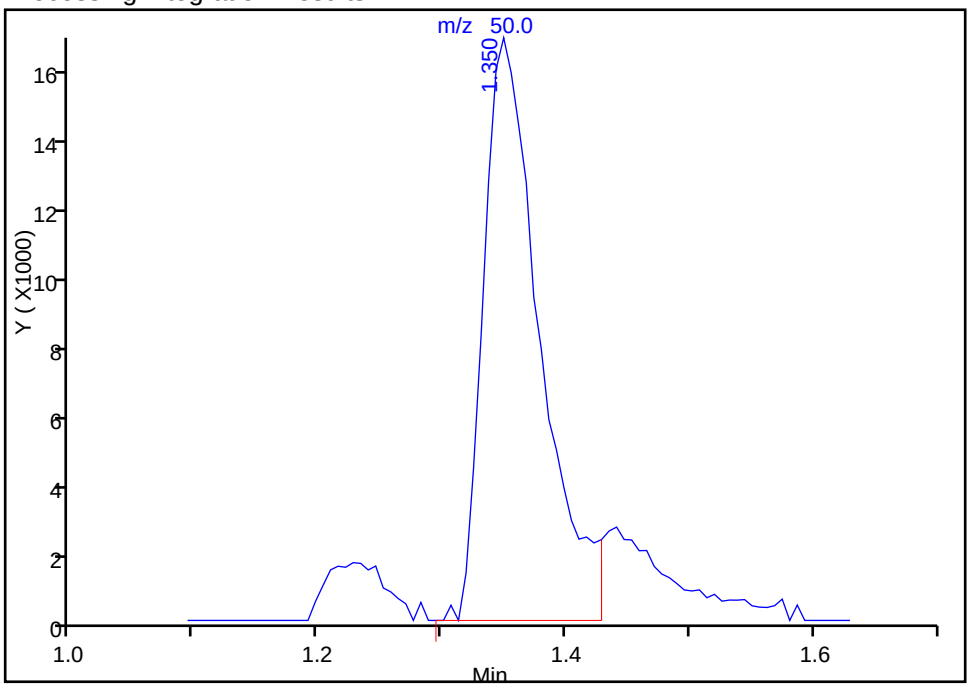
TestAmerica Buffalo

Data File: \\Bufchrom\ChromData\HP5973S\20140204-29280.b\S34497.D
Injection Date: 04-Feb-2014 22:09:30 Instrument ID: HP5973S
Lims ID: IC 2 Lab Sample ID:
Client ID:
Operator ID: NMD ALS Bottle#: 7 Worklist Smp#: 7
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: S-8260 Limit Group: MV - 8260C ICAL
Column: ZB-624 (0.25 mm) Detector MS SCAN

12 Chloromethane, CAS: 74-87-3

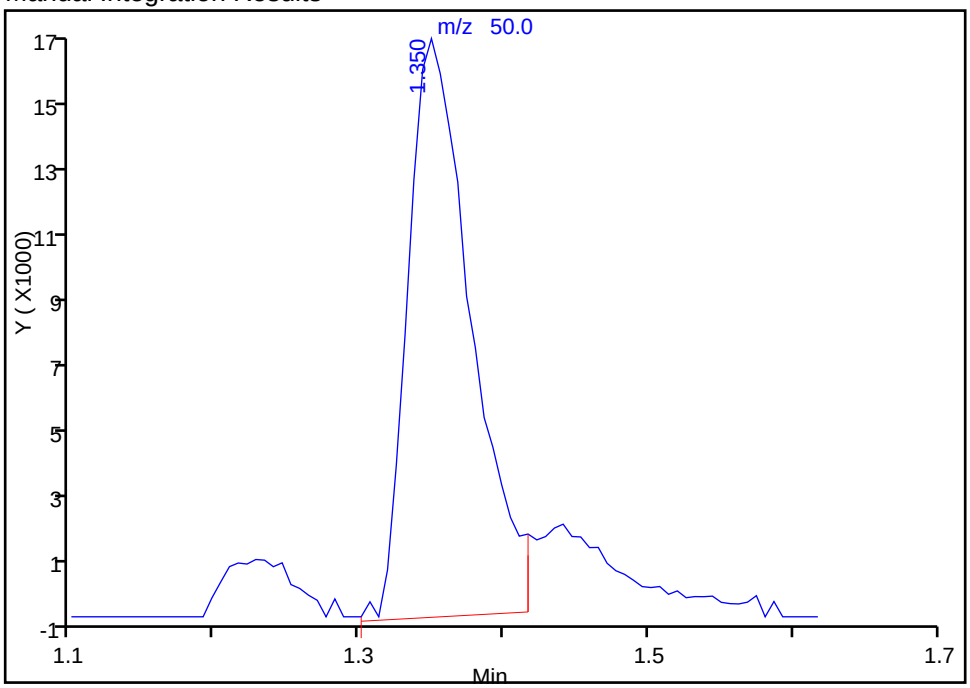
Processing Integration Results

RT: 1.35
Response: 51789
Amount: 5.362520



Manual Integration Results

RT: 1.35
Response: 50130
Amount: 5.220632



Reviewer: HillL, 05-Feb-2014 14:41:10
Audit Action: Manually Integrated
Audit Reason: Coelution

TestAmerica Buffalo
Target Compound Quantitation Report

Data File: \\Bufchrom\ChromData\HP5973S\20140204-29280.b\S34498.D
Lims ID: IC 3 Lab Sample ID:
Client ID:
Sample Type: IC Calib Level: 3
Inject. Date: 04-Feb-2014 22:31:30 ALS Bottle#: 8 Worklist Smp#: 8
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: IC 3
Misc. Info.: 480-0029280-008 =480-0029280-008
Operator ID: NMD Instrument ID: HP5973S
Sublist: chrom-S-8260*sub26

Method: \\Bufchrom\ChromData\HP5973S\20140204-29280.b\S-8260.m
Limit Group: MV - 8260C ICAL
Last Update: 05-Feb-2014 19:10:42 Calib Date: 05-Feb-2014 03:36:30
Integrator: RTE ID Type: RT Order ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\Bufchrom\ChromData\HP5973S\20140204-29280.b\S34512.D

Column 1 : ZB-624 (0.25 mm) Det: MS SCAN
Process Host: XAWRK016

First Level Reviewer: HillL Date: 05-Feb-2014 14:28:43

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	On-Col Amt ug/L	Flags
* 153 Fluorobenzene (IS)	70	4.531	4.531	0.0	99	135338	25.0	
* 2 Chlorobenzene-d5	82	6.825	6.825	0.0	83	275607	25.0	
* 3 1,4-Dichlorobenzene-d4	152	8.699	8.699	0.0	87	254120	25.0	
$ 154 Dibromofluoromethane (Surr)	113	4.069	4.069	0.0	59	151559	25.0	
$ 4 1,2-Dichloroethane-d4 (Surr)	67	4.319	4.319	0.0	0	96536	25.2	
$ 5 Toluene-d8 (Surr)	98	5.706	5.706	0.0	92	652448	25.0	
$ 6 4-Bromofluorobenzene (Surr)	174	7.762	7.762	0.0	90	200895	24.6	
10 Dichlorodifluoromethane	85	1.216	1.222	-0.006	86	100052	10.1	
12 Chloromethane	50	1.344	1.350	-0.006	89	90514	9.58	
13 Vinyl chloride	62	1.429	1.435	-0.006	82	79439	10.5	
151 Butadiene	54	1.441	1.441	0.0	93	67467	12.4	
14 Bromomethane	94	1.678	1.691	-0.013	87	37873	10.5	
15 Chloroethane	64	1.763	1.776	-0.013	78	39471	10.3	
17 Trichlorofluoromethane	101	1.909	1.916	-0.007	62	100140	10.3	
16 Dichlorofluoromethane	67	1.909	1.922	-0.013	80	104150	10.1	
18 Ethyl ether	59	2.116	2.116	0.0	92	55866	9.94	
20 Acrolein	56	2.274	2.275	-0.001	91	58378	42.6	
21 1,1,2-Trichloro-1,2,2-trifluoroe	101	2.329	2.329	0.0	42	73181	10.6	
22 1,1-Dichloroethene	96	2.341	2.341	0.0	81	77992	10.1	
23 Acetone	43	2.402	2.402	0.0	98	146600	47.4	
25 Iodomethane	142	2.500	2.506	-0.006	94	95195	10.2	
26 Carbon disulfide	76	2.512	2.506	0.006	99	227978	10.1	
28 3-Chloro-1-propene	41	2.603	2.603	0.0	77	87669	10.2	
27 Methyl acetate	43	2.639	2.640	-0.001	97	378827	49.5	
30 Methylene Chloride	84	2.792	2.779	0.013	81	86171	9.91	
31 2-Methyl-2-propanol	59	2.852	2.846	0.006	97	117525	98.7	
32 Methyl tert-butyl ether	73	2.895	2.895	0.0	89	230576	10.0	
34 trans-1,2-Dichloroethene	96	2.907	2.907	0.0	91	81024	10.3	
33 Acrylonitrile	53	2.962	2.968	-0.006	98	373532	101.8	
35 Hexane	57	3.059	3.059	0.0	93	114540	10.2	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	On-Col Amt ug/L	Flags
39 1,1-Dichloroethane	63	3.254	3.254	0.0	83	131007	10.1	
37 Vinyl acetate	43	3.290	3.291	-0.001	97	360210	20.2	
44 2,2-Dichloropropane	77	3.674	3.674	0.0	92	80372	10.5	
45 cis-1,2-Dichloroethene	96	3.698	3.698	0.0	69	84765	10.1	
43 2-Butanone (MEK)	43	3.735	3.735	0.0	100	246655	49.4	
48 Chlorobromomethane	128	3.887	3.887	0.0	90	42175	9.94	
49 Tetrahydrofuran	42	3.905	3.905	0.0	89	69889	18.8	
50 Chloroform	83	3.941	3.948	-0.007	80	124584	9.76	
52 Cyclohexane	56	4.039	4.039	0.0	91	120044	10.0	M
51 1,1,1-Trichloroethane	97	4.039	4.039	0.0	79	96348	10.1	
55 Carbon tetrachloride	117	4.148	4.148	0.0	79	78461	9.93	
54 1,1-Dichloropropene	75	4.154	4.160	-0.006	92	94559	9.94	
53 Isobutyl alcohol	43	4.319	4.319	0.0	71	132325	239.7	
57 Benzene	78	4.325	4.325	0.0	94	307299	9.96	
58 1,2-Dichloroethane	62	4.379	4.379	0.0	85	100082	10.1	
59 n-Heptane	43	4.452	4.452	0.0	93	126249	10.4	
62 Trichloroethene	95	4.793	4.793	0.0	93	74916	9.72	
64 Methylcyclohexane	83	4.890	4.890	0.0	88	131879	10.0	
65 1,2-Dichloropropane	63	4.988	4.994	-0.006	92	76796	9.83	
67 Dibromomethane	93	5.097	5.097	0.0	88	45987	10.0	
66 1,4-Dioxane	88	5.103	5.103	0.0	83	16111	180.2	
68 Dichlorobromomethane	83	5.207	5.207	0.0	92	90267	9.71	
69 2-Chloroethyl vinyl ether	63	5.426	5.426	0.0	89	55589	10.3	
72 cis-1,3-Dichloropropene	75	5.529	5.529	0.0	85	116124	9.72	
73 4-Methyl-2-pentanone (MIBK)	43	5.645	5.645	0.0	97	504841	51.3	
74 Toluene	92	5.754	5.754	0.0	98	199712	9.96	
77 trans-1,3-Dichloropropene	75	5.961	5.961	0.0	90	98675	9.84	
75 Ethyl methacrylate	69	5.992	5.992	0.0	86	113781	10.2	
79 1,1,2-Trichloroethane	83	6.107	6.107	0.0	85	61546	10.2	
81 Tetrachloroethene	166	6.150	6.150	0.0	86	85200	9.88	
82 1,3-Dichloropropane	76	6.235	6.235	0.0	92	129942	10.0	
80 2-Hexanone	43	6.284	6.284	0.0	97	372878	51.6	
83 Chlorodibromomethane	129	6.411	6.411	0.0	87	66961	9.51	
84 Ethylene Dibromide	107	6.496	6.497	-0.001	96	75822	10.0	
87 Chlorobenzene	112	6.849	6.849	0.0	96	227083	9.86	
88 Ethylbenzene	91	6.910	6.910	0.0	98	369285	10.0	
89 1,1,1,2-Tetrachloroethane	131	6.916	6.916	0.0	87	70238	9.91	
90 m-Xylene & p-Xylene	106	7.001	7.001	0.0	0	149346	9.95	
91 o-Xylene	106	7.324	7.324	0.0	96	142292	9.84	
92 Styrene	104	7.348	7.342	0.006	94	239777	9.97	
95 Bromoform	173	7.537	7.537	0.0	98	41599	9.24	
94 Isopropylbenzene	105	7.610	7.610	0.0	95	363199	10.3	
101 Bromobenzene	156	7.884	7.884	0.0	90	95389	10.1	
97 1,1,2,2-Tetrachloroethane	83	7.914	7.914	0.0	79	100075	10.3	
99 N-Propylbenzene	91	7.938	7.938	0.0	99	421008	10.2	
100 1,2,3-Trichloropropane	110	7.950	7.951	-0.001	76	33771	10.3	
98 trans-1,4-Dichloro-2-butene	53	7.957	7.957	0.0	69	26481	10.1	
103 2-Chlorotoluene	126	8.023	8.030	-0.007	97	89779	10.2	
102 1,3,5-Trimethylbenzene	105	8.078	8.078	0.0	84	294622	10.2	
105 4-Chlorotoluene	126	8.115	8.115	0.0	97	91902	10.0	
106 tert-Butylbenzene	134	8.346	8.346	0.0	86	68024	10.0	
107 1,2,4-Trimethylbenzene	105	8.388	8.389	-0.001	96	300580	10.2	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	On-Col Amt ug/L	Flags
109 sec-Butylbenzene	105	8.522	8.522	0.0	92	361009	10.2	
111 1,3-Dichlorobenzene	146	8.638	8.638	0.0	72	170488	10.3	
110 4-Isopropyltoluene	119	8.638	8.638	0.0	94	308234	10.3	
113 1,4-Dichlorobenzene	146	8.717	8.717	0.0	94	172190	10.1	
115 n-Butylbenzene	91	8.979	8.979	0.0	96	253037	10.0	
116 1,2-Dichlorobenzene	146	9.027	9.027	0.0	97	161859	10.1	
117 1,2-Dibromo-3-Chloropropane	75	9.703	9.703	-0.001	66	14112	10.3	
119 1,2,4-Trichlorobenzene	180	10.347	10.347	0.0	92	82245	10.1	
120 Hexachlorobutadiene	225	10.457	10.451	0.006	92	36084	10.4	
121 Naphthalene	128	10.560	10.560	0.0	96	235569	10.2	
122 1,2,3-Trichlorobenzene	180	10.755	10.755	0.0	94	70735	10.1	
S 123 Total BTEX	1				0		49.7	
S 124 Xylenes, Total	1				0		19.8	
S 125 1,2-Dichloroethene, Total	1				0		20.4	
S 126 1,3-Dichloropropene, Total	1				0		19.6	

QC Flag Legend

Review Flags
M - Manually Integrated

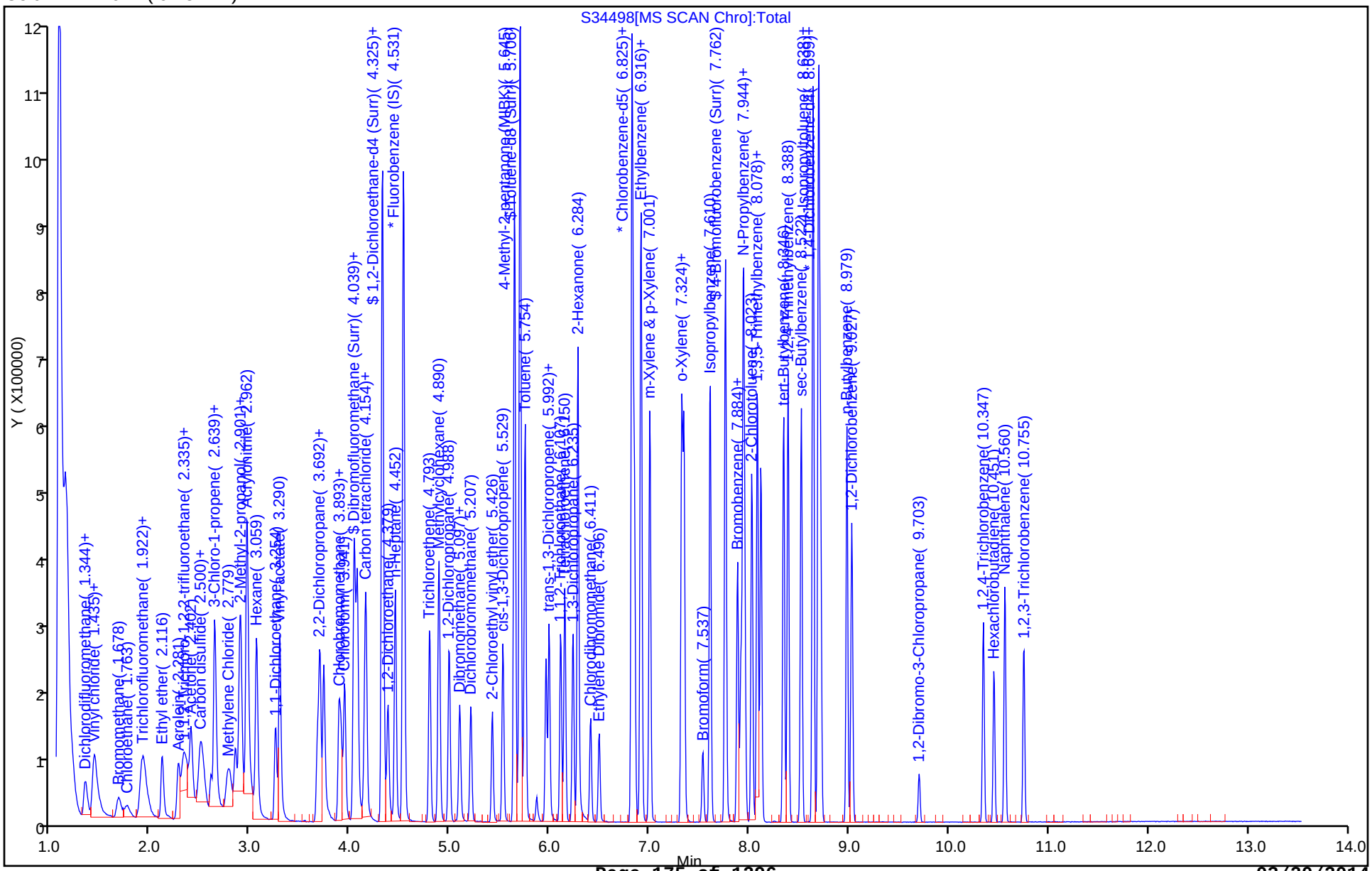
Report Date: 05-Feb-2014 19:10:42 Chrom Revision: 2.1 15-Jan-2014 14:06:26

TestAmerica Buffalo

Data File: \\Bufchrom\ChromData\HP5973S\20140204-29280.b\S34498.D

Injection Date:	04-Feb-2014 22:31:30	Instrument ID:	HP5973S	Operator ID:	NMD
Lims ID:	IC 3	Lab Sample ID:		Worklist Smp#:	8
Client ID:					
Purge Vol:	5.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	8
Method:	S-8260	Limit Group:	MV - 8260C ICAL		

Column: ZB-624 (0.25 mm)



Manual Integration/User Assign Peak Report

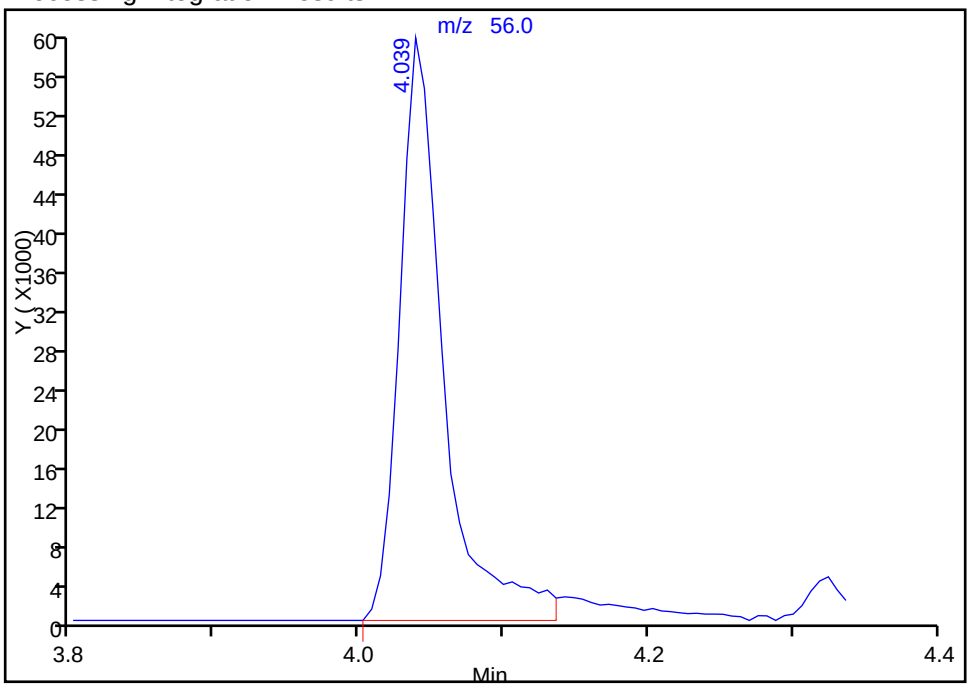
TestAmerica Buffalo

Data File: \\Bufchrom\ChromData\HP5973S\20140204-29280.b\S34498.D
Injection Date: 04-Feb-2014 22:31:30 Instrument ID: HP5973S
Lims ID: IC 3 Lab Sample ID:
Client ID:
Operator ID: NMD ALS Bottle#: 8 Worklist Smp#: 8
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: S-8260 Limit Group: MV - 8260C ICAL
Column: ZB-624 (0.25 mm) Detector MS SCAN

52 Cyclohexane, CAS: 110-82-7

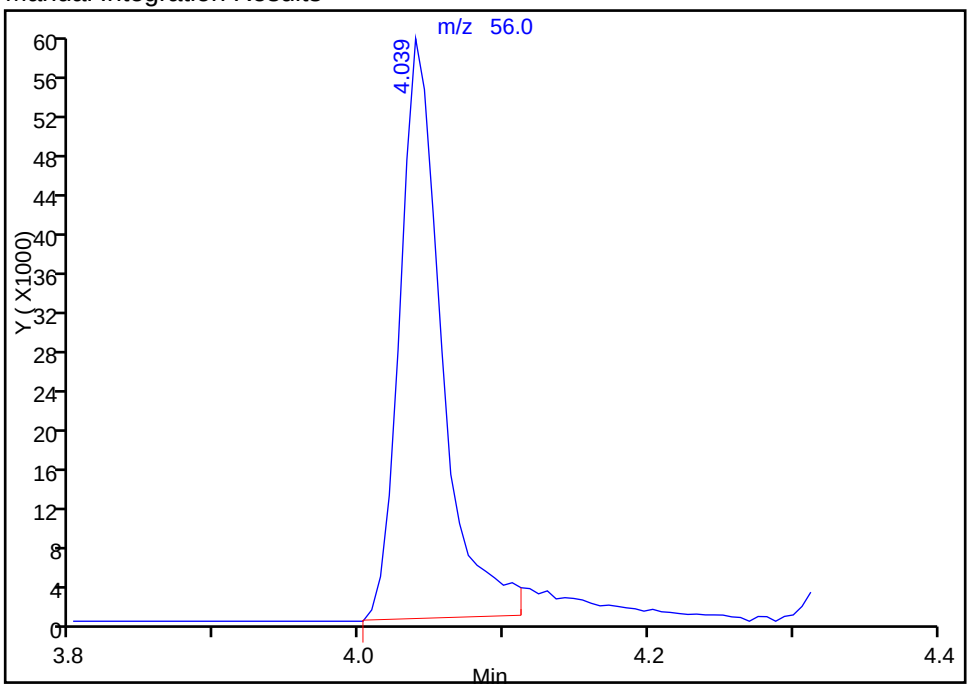
Processing Integration Results

RT: 4.04
Response: 126778
Amount: 10.385492



Manual Integration Results

RT: 4.04
Response: 120044
Amount: 10.017132



Reviewer: HillL, 05-Feb-2014 14:29:48
Audit Action: Manually Integrated
Audit Reason: Peak Tail

TestAmerica Buffalo
Target Compound Quantitation Report

Data File: \\Bufchrom\ChromData\HP5973S\20140204-29280.b\S34499.D
Lims ID: ICIS 4 Lab Sample ID:
Client ID:
Sample Type: ICIS Calib Level: 4
Inject. Date: 04-Feb-2014 22:53:30 ALS Bottle#: 9 Worklist Smp#: 9
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: ICIS 4
Misc. Info.: 480-0029280-009 =480-0029280-009
Operator ID: NMD Instrument ID: HP5973S
Sublist: chrom-S-8260*sub26

Method: \\Bufchrom\ChromData\HP5973S\20140204-29280.b\S-8260.m
Limit Group: MV - 8260C ICAL
Last Update: 05-Feb-2014 19:25:45 Calib Date: 05-Feb-2014 03:36:30
Integrator: RTE ID Type: RT Order ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\Bufchrom\ChromData\HP5973S\20140204-29280.b\S34512.D

Column 1 : ZB-624 (0.25 mm) Det: MS SCAN
Process Host: XAWRK016

First Level Reviewer: HillL Date: 05-Feb-2014 14:30:31

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	On-Col Amt ug/L	Flags
* 153 Fluorobenzene (IS)	70	4.532	4.532	0.0	99	133928	25.0	
* 2 Chlorobenzene-d5	82	6.825	6.825	0.0	83	276958	25.0	
* 3 1,4-Dichlorobenzene-d4	152	8.699	8.699	0.0	46	267589	25.0	
$ 154 Dibromofluoromethane (Surr)	113	4.069	4.069	0.0	57	151618	25.3	
$ 4 1,2-Dichloroethane-d4 (Surr)	67	4.319	4.319	0.0	0	94502	24.9	
$ 5 Toluene-d8 (Surr)	98	5.706	5.706	0.0	56	657540	25.1	
$ 6 4-Bromofluorobenzene (Surr)	174	7.762	7.762	0.0	91	206882	25.2	
10 Dichlorodifluoromethane	85	1.222	1.222	0.0	87	249598	25.4	
12 Chloromethane	50	1.350	1.350	0.0	89	231754	24.8	
13 Vinyl chloride	62	1.435	1.435	0.0	67	189268	25.2	
151 Butadiene	54	1.441	1.441	0.0	42	125826	23.4	
14 Bromomethane	94	1.691	1.691	0.0	87	91981	25.9	
15 Chloroethane	64	1.776	1.776	0.0	88	96609	25.5	
17 Trichlorofluoromethane	101	1.916	1.916	0.0	69	252277	26.3	
16 Dichlorofluoromethane	67	1.922	1.922	0.0	80	263231	25.8	
18 Ethyl ether	59	2.116	2.116	0.0	94	142005	25.5	
20 Acrolein	56	2.275	2.275	0.0	98	176240	130.1	
21 1,1,2-Trichloro-1,2,2-trifluoroe	101	2.329	2.329	0.0	51	195701	28.6	
22 1,1-Dichloroethene	96	2.341	2.341	0.0	84	199881	26.3	
23 Acetone	43	2.402	2.402	0.0	98	382368	124.9	
25 Iodomethane	142	2.506	2.506	0.0	45	219590	23.8	
26 Carbon disulfide	76	2.506	2.506	0.0	98	577989	25.8	
28 3-Chloro-1-propene	41	2.603	2.603	0.0	47	205231	24.1	
27 Methyl acetate	43	2.640	2.640	0.0	96	957150	126.3	
30 Methylene Chloride	84	2.779	2.779	0.0	81	209234	24.3	
31 2-Methyl-2-propanol	59	2.846	2.846	0.0	98	290358	246.5	
32 Methyl tert-butyl ether	73	2.895	2.895	0.0	85	574938	25.2	
34 trans-1,2-Dichloroethene	96	2.907	2.907	0.0	50	194191	25.0	
33 Acrylonitrile	53	2.968	2.968	0.0	97	903795	248.8	
35 Hexane	57	3.059	3.059	0.0	89	295553	26.5	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	On-Col Amt ug/L	Flags
39 1,1-Dichloroethane	63	3.254	3.254	0.0	85	320520	24.9	
37 Vinyl acetate	43	3.291	3.291	0.0	97	911268	51.6	
44 2,2-Dichloropropane	77	3.674	3.674	0.0	91	181028	23.9	
45 cis-1,2-Dichloroethene	96	3.698	3.698	0.0	67	210102	25.3	
43 2-Butanone (MEK)	43	3.735	3.735	0.0	95	620826	125.6	
48 Chlorobromomethane	128	3.887	3.887	0.0	93	105523	25.1	
49 Tetrahydrofuran	42	3.905	3.905	0.0	91	172506	47.0	
50 Chloroform	83	3.948	3.948	0.0	69	313188	24.8	
51 1,1,1-Trichloroethane	97	4.039	4.039	0.0	83	236024	25.0	
52 Cyclohexane	56	4.039	4.039	0.0	90	312567	26.4	M
55 Carbon tetrachloride	117	4.148	4.148	0.0	78	204562	26.2	
54 1,1-Dichloropropene	75	4.160	4.160	0.0	94	239138	25.4	
53 Isobutyl alcohol	43	4.319	4.319	0.0	68	354549	649.0	
57 Benzene	78	4.325	4.325	0.0	96	756974	24.8	
58 1,2-Dichloroethane	62	4.379	4.379	0.0	73	238945	24.4	
59 n-Heptane	43	4.452	4.452	0.0	93	313197	26.0	
62 Trichloroethene	95	4.793	4.793	0.0	93	188600	24.7	
64 Methylcyclohexane	83	4.890	4.890	0.0	89	341133	26.2	
65 1,2-Dichloropropane	63	4.994	4.994	0.0	93	192780	24.9	
67 Dibromomethane	93	5.097	5.097	0.0	88	116264	25.5	
66 1,4-Dioxane	88	5.103	5.103	0.0	42	51421	572.4	M
68 Dichlorobromomethane	83	5.207	5.207	0.0	93	237511	25.8	
69 2-Chloroethyl vinyl ether	63	5.426	5.426	0.0	92	137875	25.7	
72 cis-1,3-Dichloropropene	75	5.529	5.529	0.0	89	306524	25.9	
73 4-Methyl-2-pentanone (MIBK)	43	5.645	5.645	0.0	97	1271096	128.5	
74 Toluene	92	5.754	5.754	0.0	95	493509	24.5	
77 trans-1,3-Dichloropropene	75	5.961	5.961	0.0	91	266657	26.5	
75 Ethyl methacrylate	69	5.992	5.992	0.0	83	296665	26.5	
79 1,1,2-Trichloroethane	83	6.107	6.107	0.0	85	151543	25.1	
81 Tetrachloroethene	166	6.150	6.150	0.0	80	217656	25.1	
82 1,3-Dichloropropane	76	6.235	6.235	0.0	91	325157	24.9	
80 2-Hexanone	43	6.284	6.284	0.0	81	940232	129.4	
83 Chlorodibromomethane	129	6.411	6.411	0.0	89	182691	25.8	
84 Ethylene Dibromide	107	6.497	6.497	0.0	98	191740	25.3	
87 Chlorobenzene	112	6.849	6.849	0.0	96	570879	24.7	
88 Ethylbenzene	91	6.910	6.910	0.0	69	933506	25.2	
89 1,1,1,2-Tetrachloroethane	131	6.916	6.916	0.0	40	183851	25.8	
90 m-Xylene & p-Xylene	106	7.001	7.001	0.0	0	380795	25.3	
91 o-Xylene	106	7.324	7.324	0.0	96	367446	25.3	
92 Styrene	104	7.342	7.342	0.0	96	632065	26.2	
95 Bromoform	173	7.537	7.537	0.0	98	124236	27.5	
94 Isopropylbenzene	105	7.610	7.610	0.0	95	932601	25.1	
101 Bromobenzene	156	7.884	7.884	0.0	90	247523	24.8	
97 1,1,2,2-Tetrachloroethane	83	7.914	7.914	0.0	79	255757	25.0	
99 N-Propylbenzene	91	7.938	7.938	0.0	78	1084532	25.1	
100 1,2,3-Trichloropropane	110	7.951	7.951	0.0	53	84317	24.4	
98 trans-1,4-Dichloro-2-butene	53	7.957	7.957	0.0	68	77311	28.0	
103 2-Chlorotoluene	126	8.030	8.030	0.0	96	228727	24.6	
102 1,3,5-Trimethylbenzene	105	8.078	8.078	0.0	85	755574	25.0	
105 4-Chlorotoluene	126	8.115	8.115	0.0	97	238541	24.7	
106 tert-Butylbenzene	134	8.346	8.346	0.0	90	177942	24.8	
107 1,2,4-Trimethylbenzene	105	8.389	8.389	0.0	69	777545	25.0	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	On-Col Amt ug/L	Flags
109 sec-Butylbenzene	105	8.522	8.522	0.0	93	949213	25.4	
110 4-Isopropyltoluene	119	8.638	8.638	0.0	97	811504	25.7	
111 1,3-Dichlorobenzene	146	8.638	8.638	0.0	71	434562	24.9	
113 1,4-Dichlorobenzene	146	8.717	8.717	0.0	85	444322	24.6	
115 n-Butylbenzene	91	8.979	8.979	0.0	97	693971	26.2	
116 1,2-Dichlorobenzene	146	9.027	9.027	0.0	93	421129	25.0	
117 1,2-Dibromo-3-Chloropropane	75	9.703	9.703	0.0	78	39778	27.5	
119 1,2,4-Trichlorobenzene	180	10.347	10.347	0.0	90	223010	25.9	
120 Hexachlorobutadiene	225	10.451	10.451	0.0	96	95834	26.2	
121 Naphthalene	128	10.560	10.560	0.0	96	640112	26.4	
122 1,2,3-Trichlorobenzene	180	10.755	10.755	0.0	93	187705	25.5	
S 125 1,2-Dichloroethene, Total	1				0		50.2	
S 126 1,3-Dichloropropene, Total	1				0		52.4	
S 123 Total BTEX	1				0		125.0	
S 124 Xylenes, Total	1				0		50.5	

QC Flag Legend

Review Flags
M - Manually Integrated

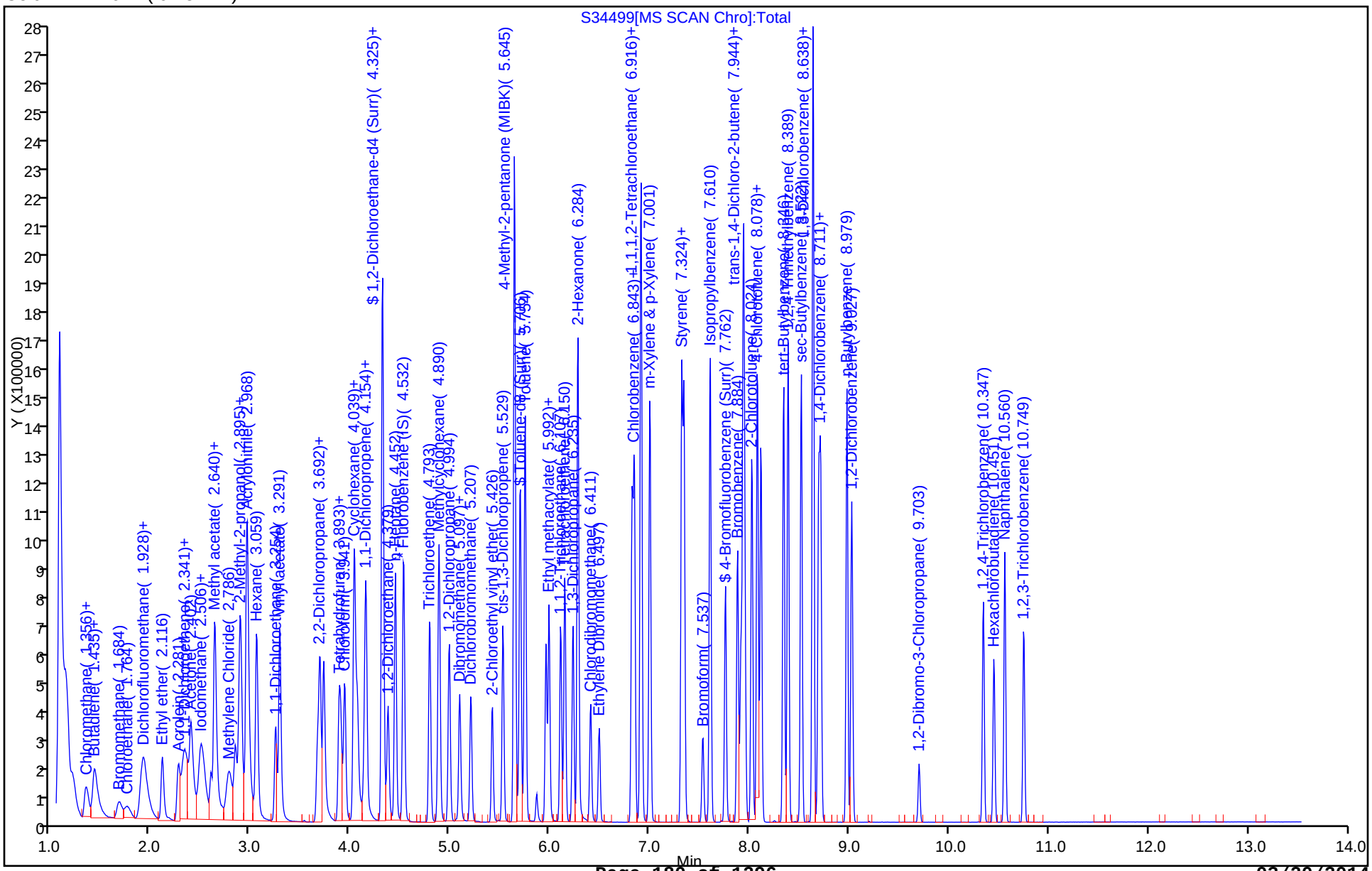
Report Date: 05-Feb-2014 19:25:46 Chrom Revision: 2.1 15-Jan-2014 14:06:26

TestAmerica Buffalo

Data File: \\Bufchrom\ChromData\HP5973S\20140204-29280.b\S34499.D

Injection Date:	04-Feb-2014 22:53:30	Instrument ID:	HP5973S	Operator ID:	NMD
Lims ID:	ICIS 4	Lab Sample ID:		Worklist Smp#:	9
Client ID:					
Purge Vol:	5.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	9
Method:	S-8260	Limit Group:	MV - 8260C ICAL		

Column: ZB-624 (0.25 mm)



Manual Integration/User Assign Peak Report

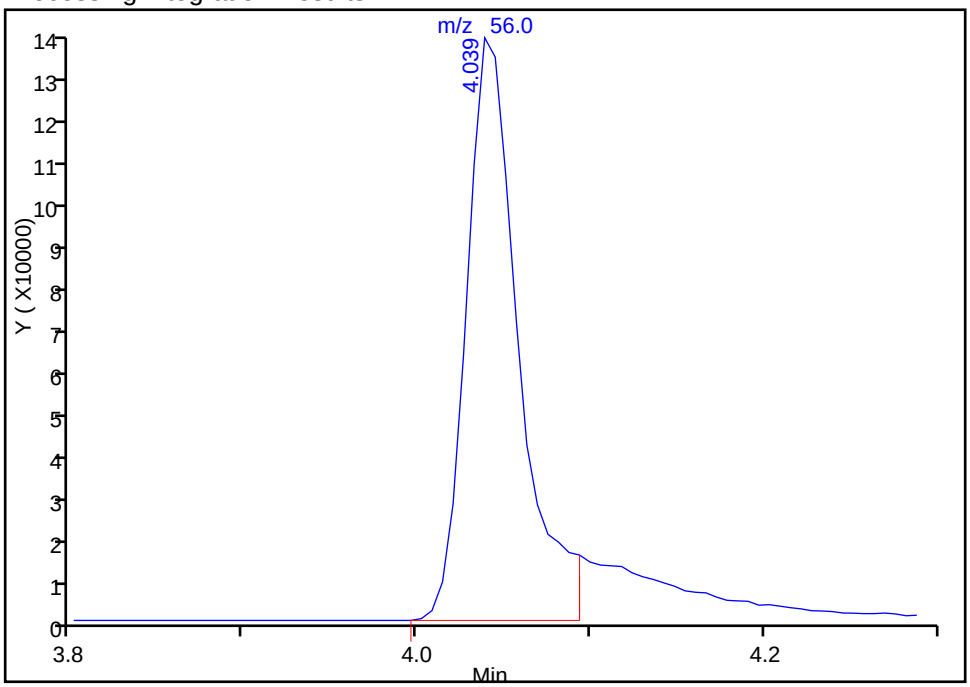
TestAmerica Buffalo

Data File: \\Bufchrom\ChromData\HP5973S\20140204-29280.b\S34499.D
Injection Date: 04-Feb-2014 22:53:30 Instrument ID: HP5973S
Lims ID: ICIS 4 Lab Sample ID:
Client ID:
Operator ID: NMD ALS Bottle#: 9 Worklist Smp#: 9
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: S-8260 Limit Group: MV - 8260C ICAL
Column: ZB-624 (0.25 mm) Detector MS SCAN

52 Cyclohexane, CAS: 110-82-7

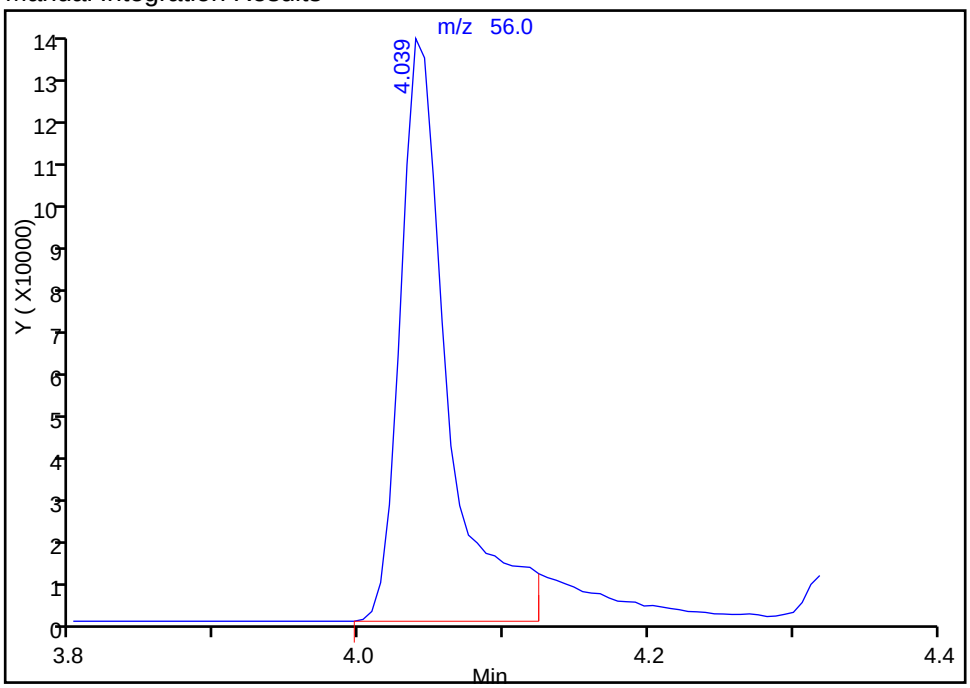
Processing Integration Results

RT: 4.04
Response: 289413
Amount: 24.180259



Manual Integration Results

RT: 4.04
Response: 312567
Amount: 26.356906



Reviewer: HillL, 05-Feb-2014 14:30:31
Audit Action: Manually Integrated
Audit Reason: Peak Tail

Manual Integration/User Assign Peak Report

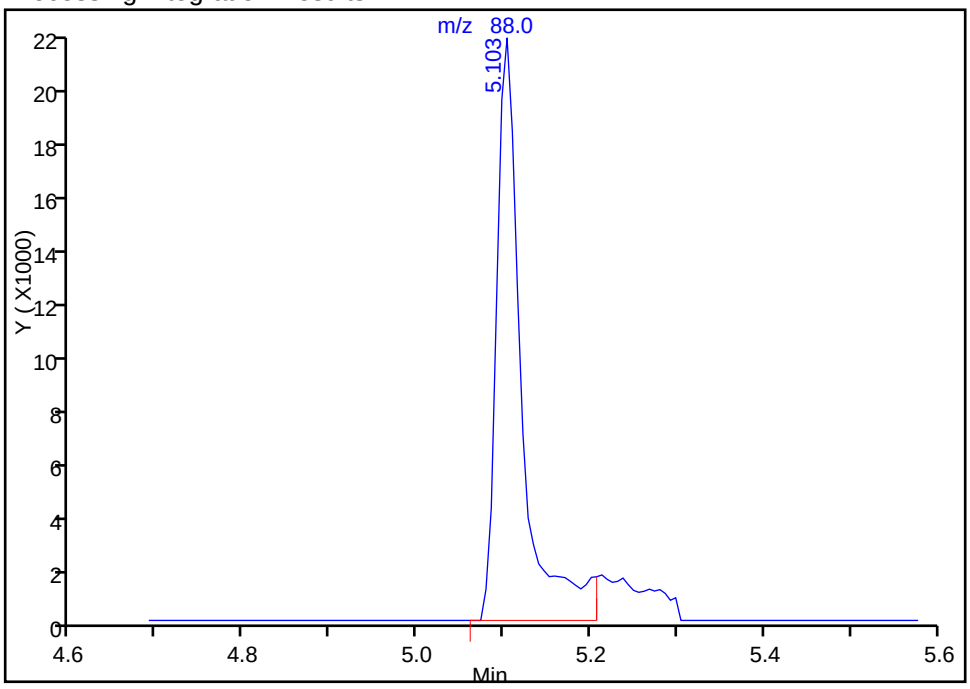
TestAmerica Buffalo

Data File: \\Bufchrom\ChromData\HP5973S\20140204-29280.b\S34499.D
Injection Date: 04-Feb-2014 22:53:30 Instrument ID: HP5973S
Lims ID: ICIS 4 Lab Sample ID:
Client ID:
Operator ID: NMD ALS Bottle#: 9 Worklist Smp#: 9
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: S-8260 Limit Group: MV - 8260C ICAL
Column: ZB-624 (0.25 mm) Detector MS SCAN

66 1,4-Dioxane, CAS: 123-91-1

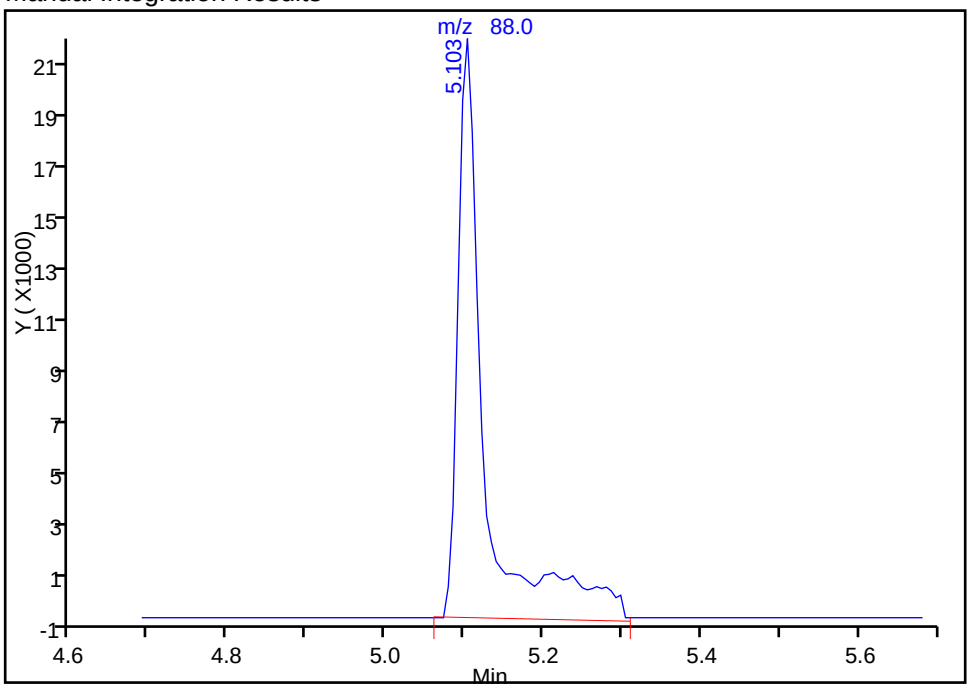
Processing Integration Results

RT: 5.10
Response: 44050
Amount: 562.1612



Manual Integration Results

RT: 5.10
Response: 51421
Amount: 572.4130



Reviewer: HillL, 05-Feb-2014 14:30:31
Audit Action: Manually Integrated
Audit Reason: Peak Tail

TestAmerica Buffalo
Target Compound Quantitation Report

Data File: \\Bufchrom\ChromData\HP5973S\20140204-29280.b\S34500.D
Lims ID: IC 5 Lab Sample ID:
Client ID:
Sample Type: IC Calib Level: 5
Inject. Date: 04-Feb-2014 23:14:30 ALS Bottle#: 10 Worklist Smp#: 10
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: IC 5
Misc. Info.: 480-0029280-010 =480-0029280-010
Operator ID: NMD Instrument ID: HP5973S
Sublist: chrom-S-8260*sub26

Method: \\Bufchrom\ChromData\HP5973S\20140204-29280.b\S-8260.m
Limit Group: MV - 8260C ICAL
Last Update: 05-Feb-2014 19:11:53 Calib Date: 05-Feb-2014 03:36:30
Integrator: RTE ID Type: RT Order ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\Bufchrom\ChromData\HP5973S\20140204-29280.b\S34512.D

Column 1 : ZB-624 (0.25 mm) Det: MS SCAN
Process Host: XAWRK016

First Level Reviewer: HillL Date: 05-Feb-2014 14:32:24

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	On-Col Amt ug/L	Flags
* 153 Fluorobenzene (IS)	70	4.532	4.532	0.0	99	135117	25.0	
* 2 Chlorobenzene-d5	82	6.825	6.825	0.0	83	278053	25.0	
* 3 1,4-Dichlorobenzene-d4	152	8.693	8.699	-0.006	67	266829	25.0	
$ 154 Dibromofluoromethane (Surr)	113	4.069	4.069	0.0	58	150006	24.8	
$ 4 1,2-Dichloroethane-d4 (Surr)	67	4.319	4.319	0.0	0	94083	24.6	
$ 5 Toluene-d8 (Surr)	98	5.706	5.706	0.0	91	653889	24.8	
$ 6 4-Bromofluorobenzene (Surr)	174	7.762	7.762	0.0	91	207647	25.2	
10 Dichlorodifluoromethane	85	1.222	1.222	0.0	88	422687	42.7	
12 Chloromethane	50	1.356	1.350	0.006	89	457837	48.6	
13 Vinyl chloride	62	1.429	1.435	-0.006	83	353839	46.6	
151 Butadiene	54	1.447	1.441	0.006	92	217080	40.0	
14 Bromomethane	94	1.685	1.691	-0.007	89	176581	49.2	
15 Chloroethane	64	1.770	1.776	-0.006	95	182632	47.8	
17 Trichlorofluoromethane	101	1.922	1.916	0.006	65	425023	43.9	
16 Dichlorofluoromethane	67	1.922	1.922	0.0	81	490229	47.7	
18 Ethyl ether	59	2.116	2.116	0.0	93	268149	47.8	
20 Acrolein	56	2.275	2.275	0.0	98	334829	244.9	
21 1,1,2-Trichloro-1,2,2-trifluoroe	101	2.348	2.329	0.019	76	296976	43.0	
22 1,1-Dichloroethene	96	2.348	2.341	0.007	89	356745	46.5	
23 Acetone	43	2.402	2.402	0.0	99	698993	226.3	
25 Iodomethane	142	2.506	2.506	0.0	95	444187	47.7	
26 Carbon disulfide	76	2.506	2.506	0.0	99	1042632	46.1	M
28 3-Chloro-1-propene	41	2.603	2.603	0.0	86	387758	45.2	M
27 Methyl acetate	43	2.640	2.640	0.0	96	1803352	235.9	
30 Methylene Chloride	84	2.780	2.779	0.001	81	394491	45.5	
31 2-Methyl-2-propanol	59	2.846	2.846	0.0	97	585802	492.9	
32 Methyl tert-butyl ether	73	2.895	2.895	0.0	87	1096607	47.7	
34 trans-1,2-Dichloroethene	96	2.907	2.907	0.0	92	364404	46.4	
33 Acrylonitrile	53	2.962	2.968	-0.006	99	1722437	470.1	
35 Hexane	57	3.059	3.059	0.0	91	470004	41.8	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	On-Col Amt ug/L	Flags
39 1,1-Dichloroethane	63	3.248	3.254	-0.006	85	598559	46.2	
37 Vinyl acetate	43	3.291	3.291	0.0	97	1754568	98.5	
44 2,2-Dichloropropane	77	3.674	3.674	0.0	90	318304	41.7	
45 cis-1,2-Dichloroethene	96	3.698	3.698	0.0	68	399026	47.6	
43 2-Butanone (MEK)	43	3.735	3.735	0.0	100	1207922	242.2	
48 Chlorobromomethane	128	3.887	3.887	0.0	93	200036	47.2	
49 Tetrahydrofuran	42	3.905	3.905	0.0	90	330362	89.2	
50 Chloroform	83	3.942	3.948	-0.006	80	591044	46.4	
52 Cyclohexane	56	4.039	4.039	0.0	90	489820	40.9	M
51 1,1,1-Trichloroethane	97	4.039	4.039	0.0	91	431983	45.4	
55 Carbon tetrachloride	117	4.148	4.148	0.0	76	370140	46.9	
54 1,1-Dichloropropene	75	4.154	4.160	-0.006	93	429793	45.3	
53 Isobutyl alcohol	43	4.319	4.319	0.0	94	705269	1279.6	
57 Benzene	78	4.325	4.325	0.0	97	1430036	46.4	
58 1,2-Dichloroethane	62	4.380	4.379	0.001	89	474862	48.0	
59 n-Heptane	43	4.453	4.452	0.001	94	523307	43.1	
62 Trichloroethene	95	4.793	4.793	0.0	93	358455	46.6	
64 Methylcyclohexane	83	4.891	4.890	0.001	88	570199	43.4	
65 1,2-Dichloropropane	63	4.994	4.994	0.0	93	372251	47.7	
67 Dibromomethane	93	5.097	5.097	0.0	90	225506	49.1	
66 1,4-Dioxane	88	5.103	5.103	0.0	92	101108	1121.1	M
68 Dichlorobromomethane	83	5.207	5.207	0.0	94	470130	50.7	
69 2-Chloroethyl vinyl ether	63	5.426	5.426	0.0	92	274203	50.7	
72 cis-1,3-Dichloropropene	75	5.529	5.529	0.0	91	605391	50.8	
73 4-Methyl-2-pentanone (MIBK)	43	5.645	5.645	0.0	97	2439176	245.6	
74 Toluene	92	5.754	5.754	0.0	98	936724	46.3	
77 trans-1,3-Dichloropropene	75	5.961	5.961	0.0	90	531466	52.5	
75 Ethyl methacrylate	69	5.992	5.992	0.0	87	583635	51.8	
79 1,1,2-Trichloroethane	83	6.107	6.107	0.0	86	290556	47.9	
81 Tetrachloroethene	166	6.150	6.150	0.0	86	393874	45.3	
82 1,3-Dichloropropane	76	6.235	6.235	0.0	91	625851	47.7	
80 2-Hexanone	43	6.284	6.284	0.0	97	1798611	246.5	
83 Chlorodibromomethane	129	6.411	6.411	0.0	89	373185	52.5	
84 Ethylene Dibromide	107	6.497	6.497	0.0	98	374285	49.1	
87 Chlorobenzene	112	6.849	6.849	0.0	96	1086698	46.8	
88 Ethylbenzene	91	6.916	6.910	0.006	98	1744150	46.8	
89 1,1,1,2-Tetrachloroethane	131	6.916	6.916	0.0	89	358325	50.1	
90 m-Xylene & p-Xylene	106	7.002	7.001	0.001	0	710336	46.9	
91 o-Xylene	106	7.324	7.324	0.0	97	697518	47.8	
92 Styrene	104	7.348	7.342	0.006	95	1217178	50.2	
95 Bromoform	173	7.537	7.537	0.0	99	260217	57.3	
94 Isopropylbenzene	105	7.610	7.610	0.0	95	1723404	46.4	
101 Bromobenzene	156	7.884	7.884	0.0	91	467024	47.0	
97 1,1,2,2-Tetrachloroethane	83	7.914	7.914	0.0	79	494229	48.4	
99 N-Propylbenzene	91	7.938	7.938	0.0	95	1997946	46.3	
100 1,2,3-Trichloropropane	110	7.951	7.951	0.0	82	162819	47.3	
98 trans-1,4-Dichloro-2-butene	53	7.957	7.957	0.0	74	157968	57.3	
103 2-Chlorotoluene	126	8.024	8.030	-0.006	97	433570	46.8	
102 1,3,5-Trimethylbenzene	105	8.078	8.078	0.0	84	1429647	47.3	
105 4-Chlorotoluene	126	8.115	8.115	0.0	97	454767	47.2	
106 tert-Butylbenzene	134	8.346	8.346	0.0	86	328513	46.0	
107 1,2,4-Trimethylbenzene	105	8.389	8.389	0.0	96	1475389	47.6	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	On-Col Amt ug/L	Flags
109 sec-Butylbenzene	105	8.522	8.522	0.0	93	1708833	45.8	
111 1,3-Dichlorobenzene	146	8.638	8.638	0.0	78	816732	47.0	
110 4-Isopropyltoluene	119	8.638	8.638	0.0	96	1469232	46.6	
113 1,4-Dichlorobenzene	146	8.717	8.717	0.0	95	850849	47.3	
115 n-Butylbenzene	91	8.979	8.979	0.0	97	1270973	48.1	
116 1,2-Dichlorobenzene	146	9.027	9.027	0.0	97	801733	47.8	
117 1,2-Dibromo-3-Chloropropane	75	9.703	9.703	0.0	85	83084	57.5	
119 1,2,4-Trichlorobenzene	180	10.348	10.347	0.001	92	431267	50.3	
120 Hexachlorobutadiene	225	10.451	10.451	0.0	96	163208	44.7	
121 Naphthalene	128	10.560	10.560	0.0	97	1267348	52.4	
122 1,2,3-Trichlorobenzene	180	10.755	10.755	0.0	95	362588	49.4	
S 123 Total BTEX	1				0		234.3	
S 124 Xylenes, Total	1				0		94.7	
S 125 1,2-Dichloroethene, Total	1				0		94.0	
S 126 1,3-Dichloropropene, Total	1				0		103.3	

QC Flag Legend

Review Flags
M - Manually Integrated

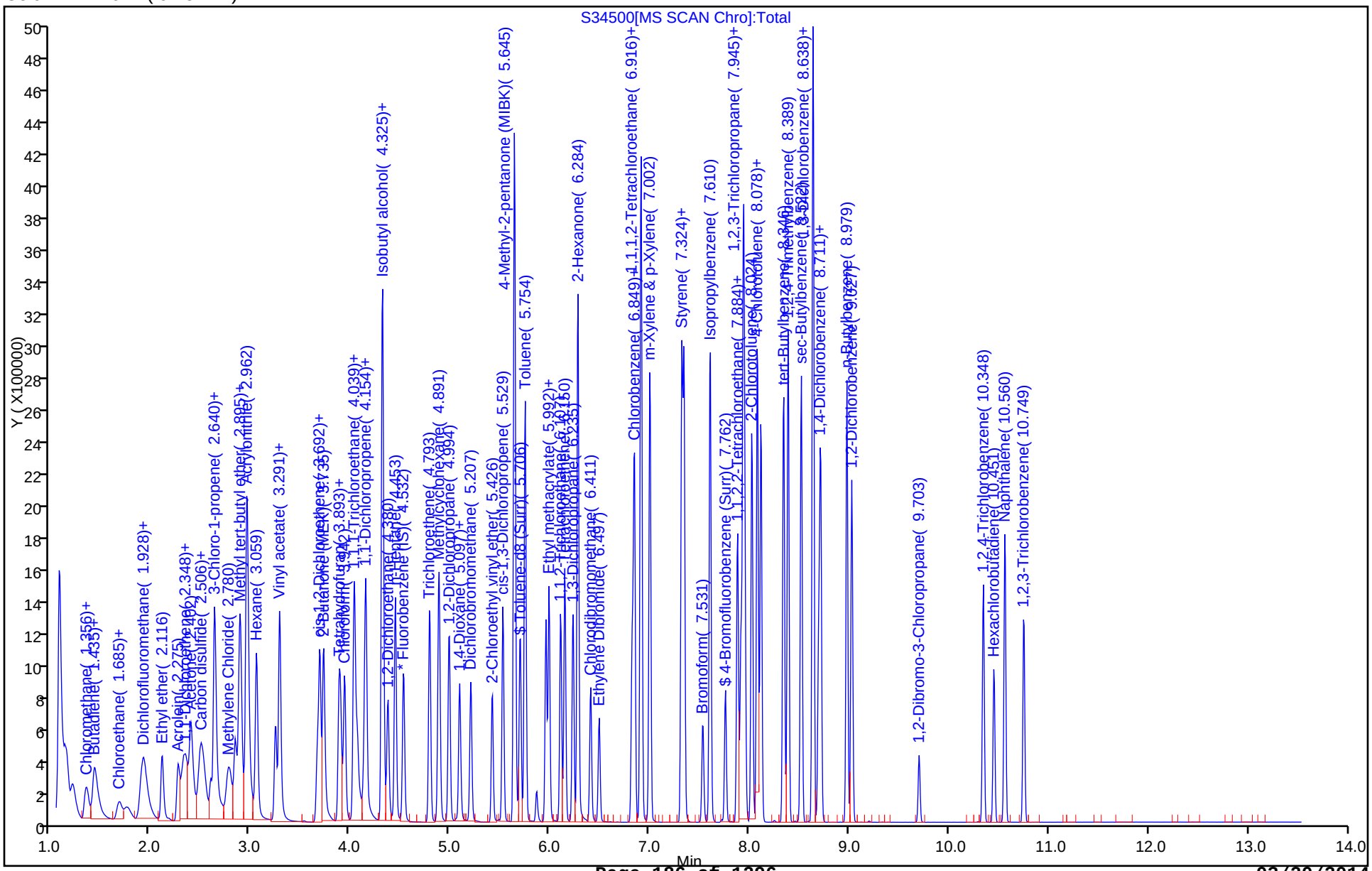
Report Date: 05-Feb-2014 19:11:54 Chrom Revision: 2.1 15-Jan-2014 14:06:26

TestAmerica Buffalo

Data File: \\Bufchrom\ChromData\HP5973S\20140204-29280.b\S34500.D

Injection Date:	04-Feb-2014 23:14:30	Instrument ID:	HP5973S	Operator ID:	NMD
Lims ID:	IC 5	Lab Sample ID:		Worklist Smp#:	10
Client ID:					
Purge Vol:	5.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	10
Method:	S-8260	Limit Group:	MV - 8260C ICAL		

Column: ZB-624 (0.25 mm)



Manual Integration/User Assign Peak Report

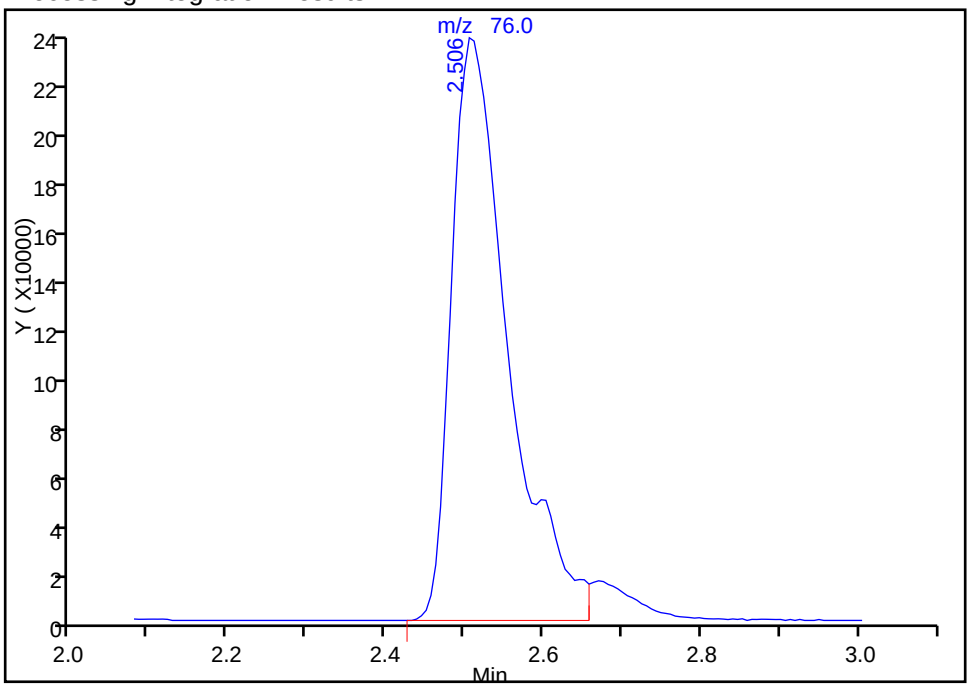
TestAmerica Buffalo

Data File: \\Bufchrom\ChromData\HP5973S\20140204-29280.b\S34500.D
Injection Date: 04-Feb-2014 23:14:30 Instrument ID: HP5973S
Lims ID: IC 5 Lab Sample ID:
Client ID:
Operator ID: NMD ALS Bottle#: 10 Worklist Smp#: 10
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: S-8260 Limit Group: MV - 8260C ICAL
Column: ZB-624 (0.25 mm) Detector MS SCAN

26 Carbon disulfide, CAS: 75-15-0

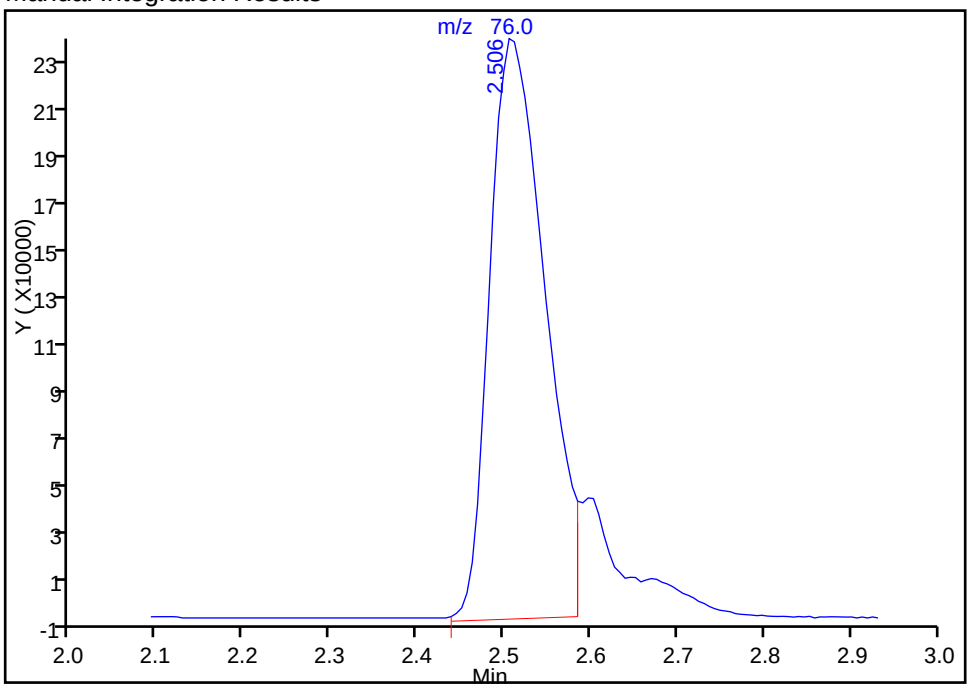
Processing Integration Results

RT: 2.51
Response: 1165018
Amount: 49.737411



Manual Integration Results

RT: 2.51
Response: 1042632
Amount: 46.059617



Reviewer: HillL, 05-Feb-2014 14:32:24
Audit Action: Manually Integrated
Audit Reason: Coelution

Manual Integration/User Assign Peak Report

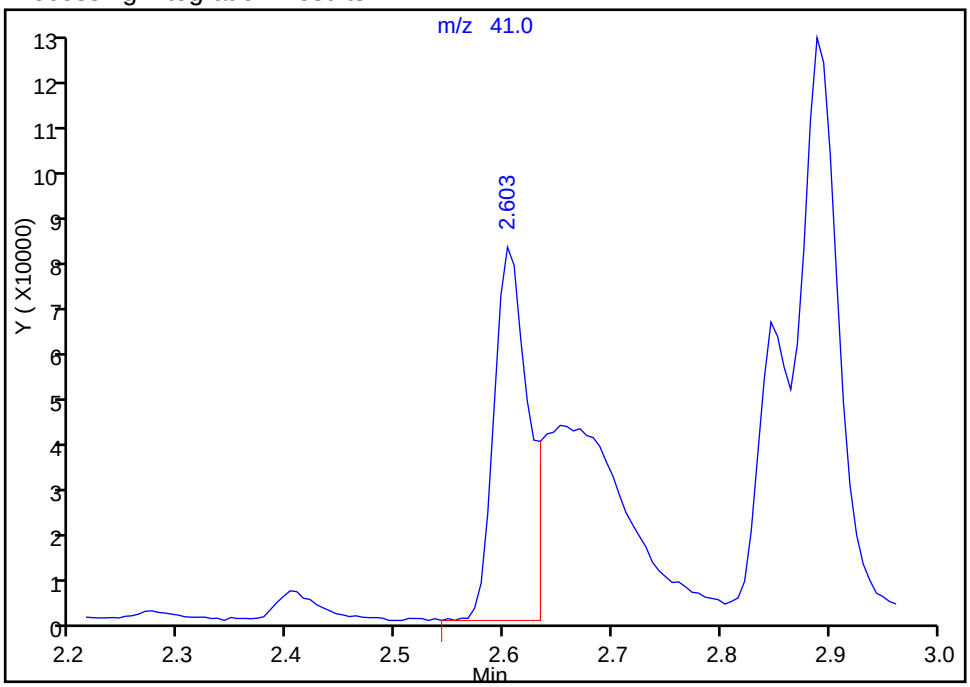
TestAmerica Buffalo

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Injection Date:	04-Feb-2014 23:14:30	Instrument ID:	HP5973S		
Lims ID:	IC 5	Lab Sample ID:			
Client ID:					
Operator ID:	NMD	ALS Bottle#:	10	Worklist Smp#:	10
Purge Vol:	5.000 mL	Dil. Factor:	1.0000		
Method:	S-8260	Limit Group:	MV - 8260C ICAL		
Column:	ZB-624 (0.25 mm)	Detector	MS SCAN		

28 3-Chloro-1-propene, CAS: 107-05-1

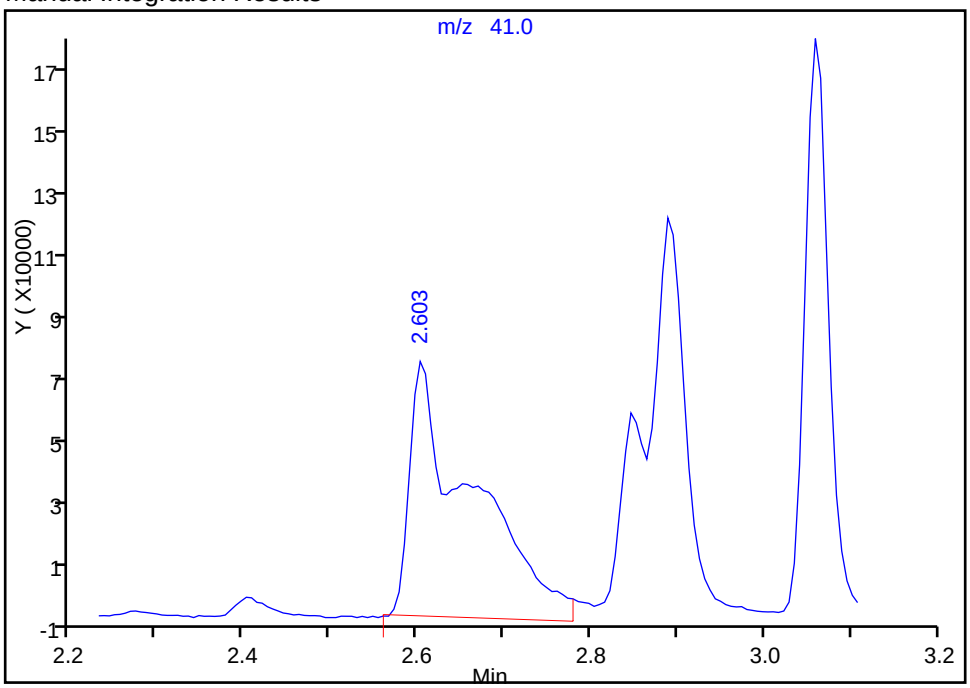
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Response: 174273
Amount: 24.535449



Manual Integration Results

RT: 2.60
Response: 387758
Amount: 45.158092



Reviewer: HillL, 05-Feb-2014 14:32:24
Audit Action: Manually Integrated
Audit Reason: Peak Tail

Manual Integration/User Assign Peak Report

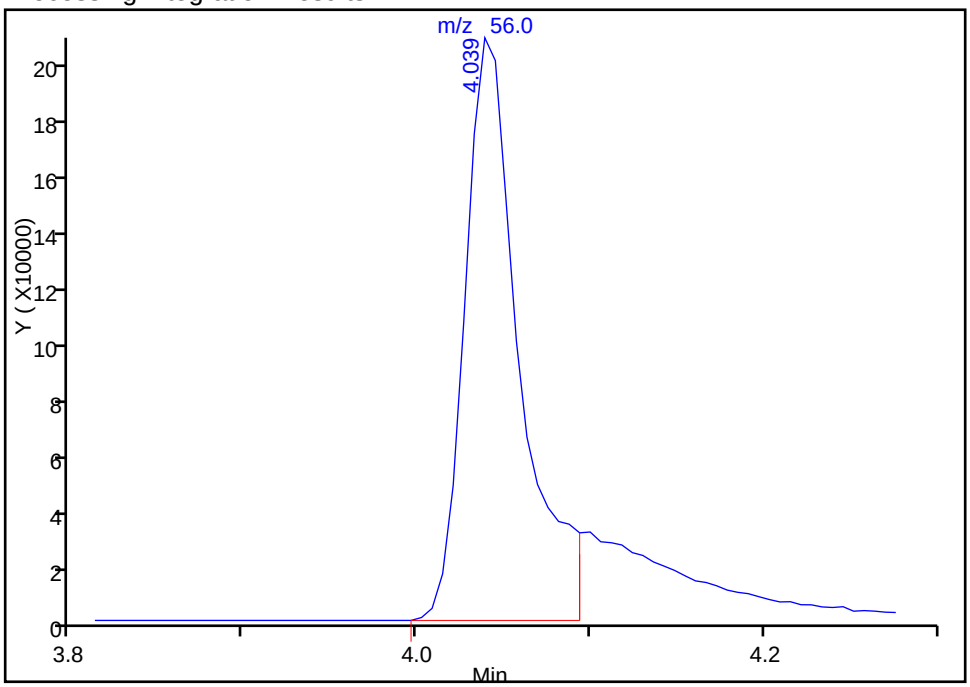
TestAmerica Buffalo

Data File: \\Bufchrom\ChromData\HP5973S\20140204-29280.b\S34500.D
Injection Date: 04-Feb-2014 23:14:30 Instrument ID: HP5973S
Lims ID: IC 5 Lab Sample ID:
Client ID:
Operator ID: NMD ALS Bottle#: 10 Worklist Smp#: 10
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: S-8260 Limit Group: MV - 8260C ICAL
Column: ZB-624 (0.25 mm) Detector MS SCAN

52 Cyclohexane, CAS: 110-82-7

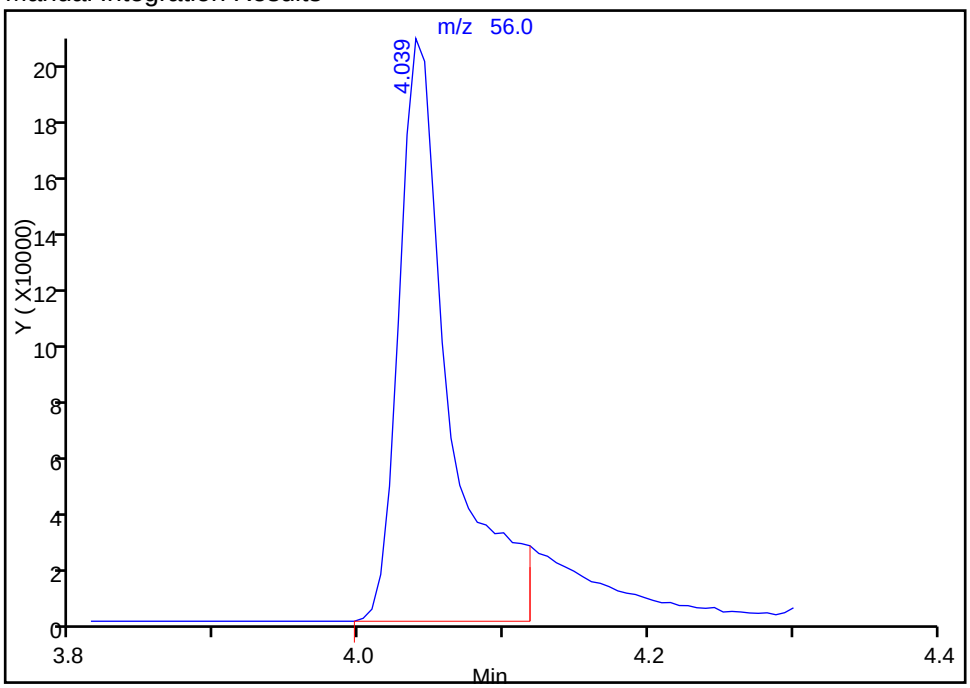
Processing Integration Results

RT: 4.04
Response: 449188
Amount: 36.725465



Manual Integration Results

RT: 4.04
Response: 489820
Amount: 40.940129



Reviewer: HillL, 05-Feb-2014 14:32:24
Audit Action: Manually Integrated
Audit Reason: Peak Tail

Manual Integration/User Assign Peak Report

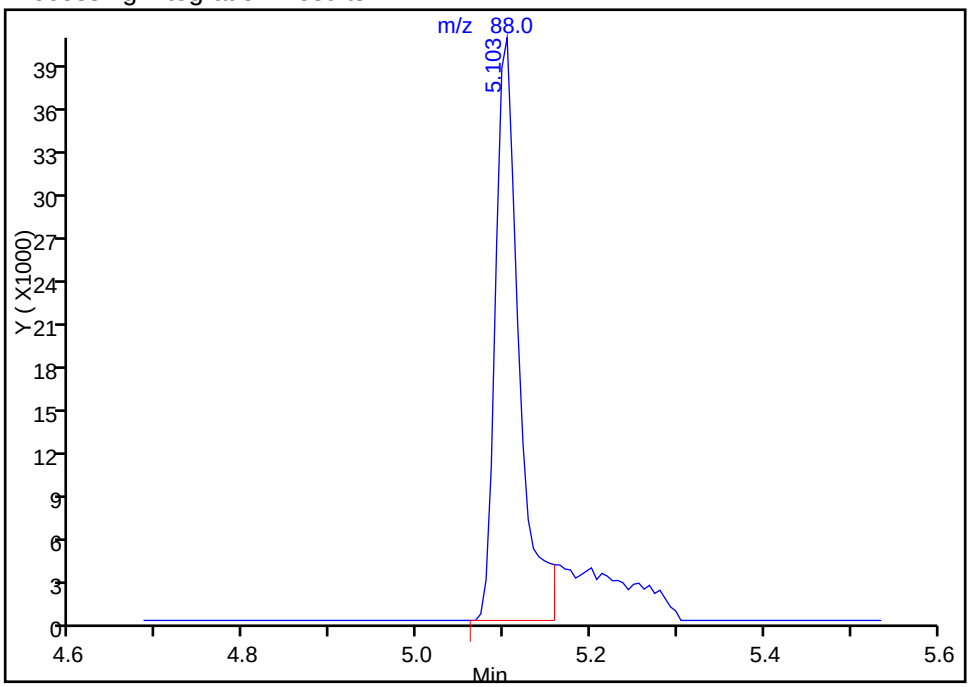
TestAmerica Buffalo

Data File: \\Bufchrom\ChromData\HP5973S\20140204-29280.b\S34500.D
Injection Date: 04-Feb-2014 23:14:30 Instrument ID: HP5973S
Lims ID: IC 5 Lab Sample ID:
Client ID:
Operator ID: NMD ALS Bottle#: 10 Worklist Smp#: 10
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: S-8260 Limit Group: MV - 8260C ICAL
Column: ZB-624 (0.25 mm) Detector MS SCAN

66 1,4-Dioxane, CAS: 123-91-1

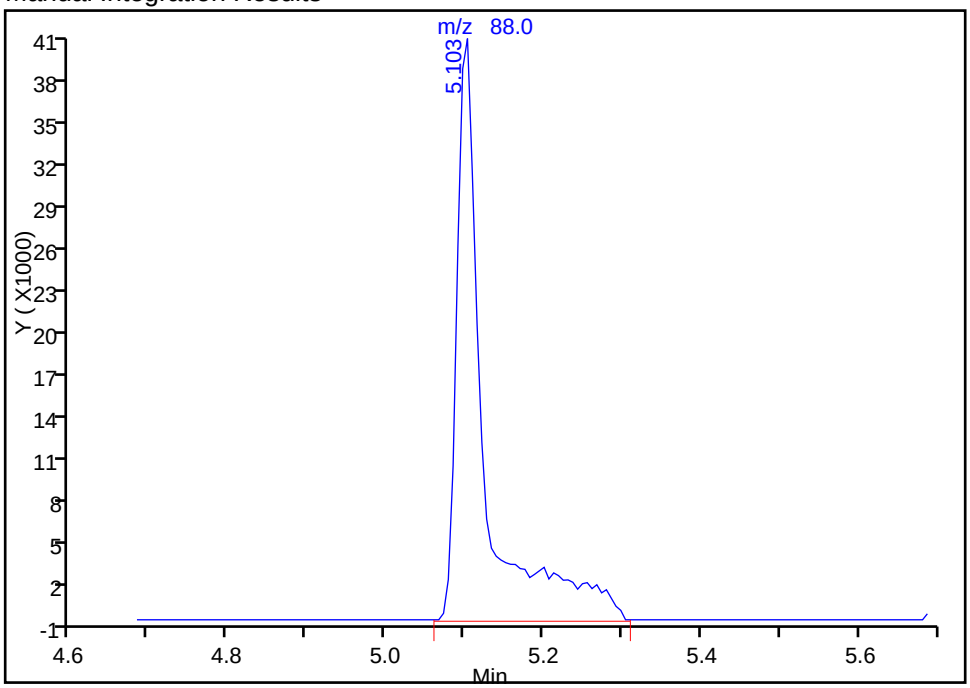
Processing Integration Results

RT: 5.10
Response: 77448
Amount: 954.5593



Manual Integration Results

RT: 5.10
Response: 101108
Amount: 1121.0909



Reviewer: HillL, 05-Feb-2014 14:32:24
Audit Action: Manually Integrated
Audit Reason: Peak Tail

TestAmerica Buffalo
Target Compound Quantitation Report

Data File: \\Bufchrom\ChromData\HP5973S\20140204-29280.b\S34501.D
Lims ID: IC 6 Lab Sample ID:
Client ID:
Sample Type: IC Calib Level: 6
Inject. Date: 04-Feb-2014 23:36:30 ALS Bottle#: 11 Worklist Smp#: 11
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: IC 6
Misc. Info.: 480-0029280-011 =480-0029280-011
Operator ID: NMD Instrument ID: HP5973S
Sublist: chrom-S-8260*sub26

Method: \\Bufchrom\ChromData\HP5973S\20140204-29280.b\S-8260.m
Limit Group: MV - 8260C ICAL
Last Update: 05-Feb-2014 15:14:25 Calib Date: 05-Feb-2014 03:36:30
Integrator: RTE ID Type: RT Order ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\Bufchrom\ChromData\HP5973S\20140204-29280.b\S34512.D

Column 1 : ZB-624 (0.25 mm) Det: MS SCAN
Process Host: XAWRK017

First Level Reviewer: HillL Date: 05-Feb-2014 14:39:38

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	On-Col Amt ug/L	Flags
* 153 Fluorobenzene (IS)	70	4.538	4.531	0.007	99	135645	25.0	
* 2 Chlorobenzene-d5	82	6.825	6.825	0.0	83	284833	25.0	
* 3 1,4-Dichlorobenzene-d4	152	8.699	8.699	0.0	62	272909	25.0	
$ 154 Dibromofluoromethane (Surr)	113	4.069	4.069	0.0	58	152821	25.2	
$ 4 1,2-Dichloroethane-d4 (Surr)	67	4.325	4.319	0.006	0	94709	24.6	
$ 5 Toluene-d8 (Surr)	98	5.706	5.706	0.0	91	671662	24.9	
$ 6 4-Bromofluorobenzene (Surr)	174	7.762	7.762	0.0	91	213693	25.3	
10 Dichlorodifluoromethane	85	1.222	1.222	0.0	88	961136	96.7	
12 Chloromethane	50	1.362	1.350	0.012	89	905947	95.7	M
13 Vinyl chloride	62	1.435	1.435	0.0	83	748679	98.3	
151 Butadiene	54	1.441	1.441	0.0	93	466582	85.7	
14 Bromomethane	94	1.684	1.691	-0.007	90	347291	96.4	
15 Chloroethane	64	1.770	1.776	-0.006	94	364725	95.2	
17 Trichlorofluoromethane	101	1.916	1.916	0.0	70	884086	91.0	
16 Dichlorofluoromethane	67	1.922	1.922	0.0	80	956720	92.6	
18 Ethyl ether	59	2.116	2.116	0.0	92	516589	91.7	
20 Acrolein	56	2.275	2.275	-0.001	98	665609	485.0	
21 1,1,2-Trichloro-1,2,2-trifluoroe	101	2.323	2.329	-0.006	81	712065	102.8	
22 1,1-Dichloroethene	96	2.341	2.341	0.0	90	761859	98.9	
23 Acetone	43	2.408	2.402	0.006	99	1341225	432.6	
25 Iodomethane	142	2.500	2.506	-0.006	95	933449	99.9	
26 Carbon disulfide	76	2.506	2.506	0.0	99	2240113	98.6	M
28 3-Chloro-1-propene	41	2.603	2.603	0.0	79	762744	88.5	M
27 Methyl acetate	43	2.640	2.640	0.0	98	3631573	473.1	
30 Methylene Chloride	84	2.779	2.779	0.0	81	800656	91.9	
31 2-Methyl-2-propanol	59	2.852	2.846	0.006	98	1171001	981.5	
32 Methyl tert-butyl ether	73	2.895	2.895	0.0	86	2226861	96.5	
34 trans-1,2-Dichloroethene	96	2.907	2.907	0.0	93	751719	95.4	
33 Acrylonitrile	53	2.968	2.968	0.0	99	3458865	940.3	
35 Hexane	57	3.059	3.059	0.0	90	1113904	98.6	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	On-Col Amt ug/L	Flags
39 1,1-Dichloroethane	63	3.254	3.254	0.0	85	1231838	94.6	
37 Vinyl acetate	43	3.297	3.291	0.006	97	3587350	200.5	
44 2,2-Dichloropropane	77	3.674	3.674	0.0	91	605070	78.9	
45 cis-1,2-Dichloroethene	96	3.698	3.698	0.0	68	816347	97.0	
43 2-Butanone (MEK)	43	3.735	3.735	0.0	98	2423986	484.1	
48 Chlorobromomethane	128	3.887	3.887	0.0	94	410574	96.6	
49 Tetrahydrofuran	42	3.905	3.905	0.0	90	655917	176.3	
50 Chloroform	83	3.947	3.948	-0.001	79	1218140	95.3	
52 Cyclohexane	56	4.039	4.039	0.0	90	1143388	95.2	M
51 1,1,1-Trichloroethane	97	4.039	4.039	0.0	93	889626	93.1	
55 Carbon tetrachloride	117	4.148	4.148	0.0	79	839351	106.0	
54 1,1-Dichloropropene	75	4.160	4.160	0.0	92	932763	97.9	
53 Isobutyl alcohol	43	4.325	4.319	0.006	93	1375729	2486.3	
57 Benzene	78	4.325	4.325	0.0	96	2885167	93.3	
58 1,2-Dichloroethane	62	4.379	4.379	0.0	88	965663	97.2	
59 n-Heptane	43	4.452	4.452	0.0	93	1243257	102.0	
62 Trichloroethene	95	4.793	4.793	0.0	94	758064	98.1	
64 Methylcyclohexane	83	4.890	4.890	0.0	89	1353952	102.7	
65 1,2-Dichloropropane	63	4.994	4.994	0.0	92	756141	96.6	
67 Dibromomethane	93	5.097	5.097	0.0	89	461628	100.1	
66 1,4-Dioxane	88	5.103	5.103	0.0	90	200553	2170.8	M
68 Dichlorobromomethane	83	5.207	5.207	0.0	94	984854	105.7	
69 2-Chloroethyl vinyl ether	63	5.426	5.426	0.0	92	570480	105.0	
72 cis-1,3-Dichloropropene	75	5.529	5.529	0.0	89	1263889	105.5	
73 4-Methyl-2-pentanone (MIBK)	43	5.645	5.645	0.0	98	4776355	469.5	
74 Toluene	92	5.754	5.754	0.0	98	1928867	93.1	
77 trans-1,3-Dichloropropene	75	5.961	5.961	0.0	90	1128711	108.9	
75 Ethyl methacrylate	69	5.992	5.992	0.0	89	1210201	104.9	
79 1,1,2-Trichloroethane	83	6.107	6.107	0.0	85	591516	95.3	
81 Tetrachloroethene	166	6.150	6.150	0.0	84	849397	95.3	
82 1,3-Dichloropropane	76	6.235	6.235	0.0	92	1276195	95.0	
80 2-Hexanone	43	6.284	6.284	0.0	95	3572218	477.9	
83 Chlorodibromomethane	129	6.411	6.411	0.0	88	790979	108.7	
84 Ethylene Dibromide	107	6.497	6.497	-0.001	98	770124	98.7	
87 Chlorobenzene	112	6.849	6.849	0.0	96	2220661	93.3	
88 Ethylbenzene	91	6.916	6.910	0.006	98	3512076	92.1	
89 1,1,1,2-Tetrachloroethane	131	6.922	6.916	0.006	86	715697	97.7	
90 m-Xylene & p-Xylene	106	7.008	7.001	0.007	0	1472082	94.9	
91 o-Xylene	106	7.324	7.324	0.0	97	1402505	93.8	
92 Styrene	104	7.348	7.342	0.006	95	2458090	98.9	
95 Bromoform	173	7.537	7.537	0.0	99	568835	122.2	
94 Isopropylbenzene	105	7.610	7.610	0.0	95	3565120	93.9	
101 Bromobenzene	156	7.884	7.884	0.0	91	953444	93.8	
97 1,1,2,2-Tetrachloroethane	83	7.920	7.914	0.006	81	992513	95.0	
99 N-Propylbenzene	91	7.944	7.938	0.006	95	4054780	91.9	
100 1,2,3-Trichloropropane	110	7.950	7.951	-0.001	81	316844	90.0	
98 trans-1,4-Dichloro-2-butene	53	7.957	7.957	0.0	72	334584	118.7	
103 2-Chlorotoluene	126	8.030	8.030	0.0	95	879300	92.9	
102 1,3,5-Trimethylbenzene	105	8.084	8.078	0.006	80	2902289	94.0	
105 4-Chlorotoluene	126	8.121	8.115	0.006	91	927429	94.1	
106 tert-Butylbenzene	134	8.346	8.346	0.0	87	673388	92.1	
107 1,2,4-Trimethylbenzene	105	8.389	8.389	-0.001	86	2959860	93.4	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	On-Col Amt ug/L	Flags
109 sec-Butylbenzene	105	8.522	8.522	0.0	94	3601255	94.4	
111 1,3-Dichlorobenzene	146	8.638	8.638	0.0	93	1558420	87.7	
110 4-Isopropyltoluene	119	8.644	8.638	0.006	95	2933173	91.0	
113 1,4-Dichlorobenzene	146	8.717	8.717	0.0	95	1706475	92.8	
115 n-Butylbenzene	91	8.979	8.979	0.0	97	2645020	97.8	
116 1,2-Dichlorobenzene	146	9.027	9.027	0.0	93	1578892	91.9	
117 1,2-Dibromo-3-Chloropropane	75	9.703	9.703	0.0	88	164113	111.1	
119 1,2,4-Trichlorobenzene	180	10.347	10.347	0.0	90	801127	91.4	
120 Hexachlorobutadiene	225	10.451	10.451	0.0	96	320084	85.7	
121 Naphthalene	128	10.560	10.560	0.0	97	2337563	94.5	
122 1,2,3-Trichlorobenzene	180	10.755	10.755	0.0	94	661219	88.0	
S 123 Total BTEX	1				0		467.2	
S 124 Xylenes, Total	1				0		188.7	
S 125 1,2-Dichloroethene, Total	1				0		192.4	
S 126 1,3-Dichloropropene, Total	1				0		214.4	

QC Flag Legend

Review Flags
M - Manually Integrated

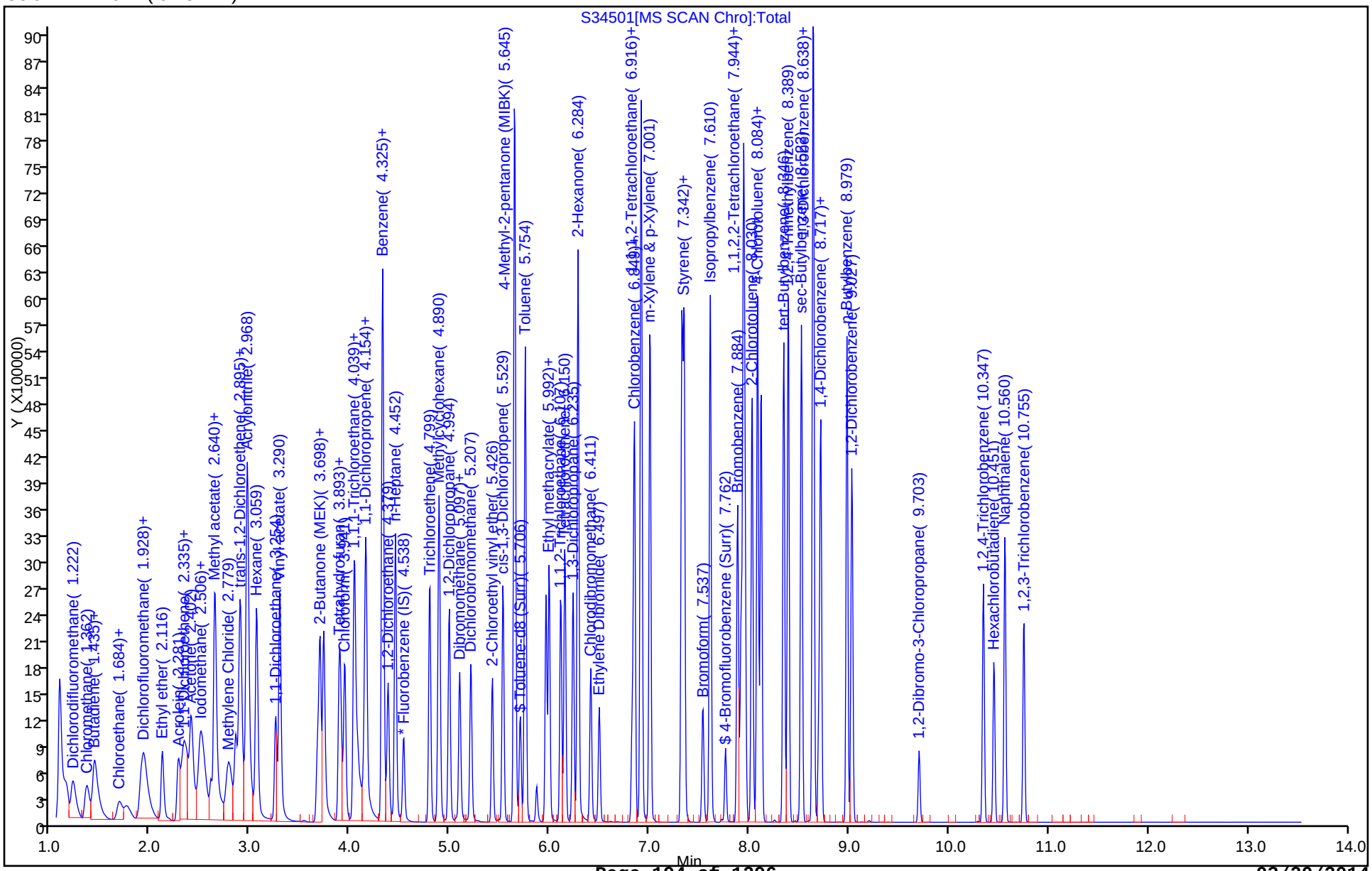
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TestAmerica Buffalo

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Injection Date:	04-Feb-2014 23:36:30	Instrument ID:	HP5973S	Operator ID:	NMD
Lims ID:	IC 6	Lab Sample ID:		Worklist Smp#:	11
Client ID:					
Purge Vol:	5.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	11
Method:	S-8260	Limit Group:	MV - 8260C ICAL		

Column: ZB-624 (0.25 mm)



Manual Integration/User Assign Peak Report

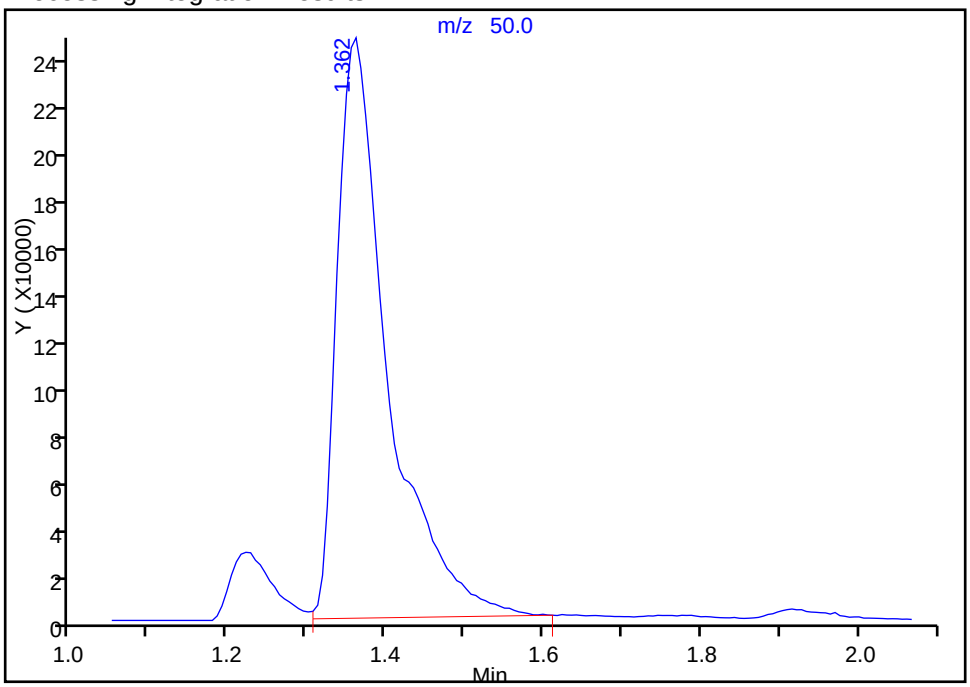
TestAmerica Buffalo

Data File: \\Bufchrom\ChromData\HP5973S\20140204-29280.b\S34501.D
Injection Date: 04-Feb-2014 23:36:30 Instrument ID: HP5973S
Lims ID: IC 6 Lab Sample ID:
Client ID:
Operator ID: NMD ALS Bottle#: 11 Worklist Smp#: 11
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: S-8260 Limit Group: MV - 8260C ICAL
Column: ZB-624 (0.25 mm) Detector MS SCAN

12 Chloromethane, CAS: 74-87-3

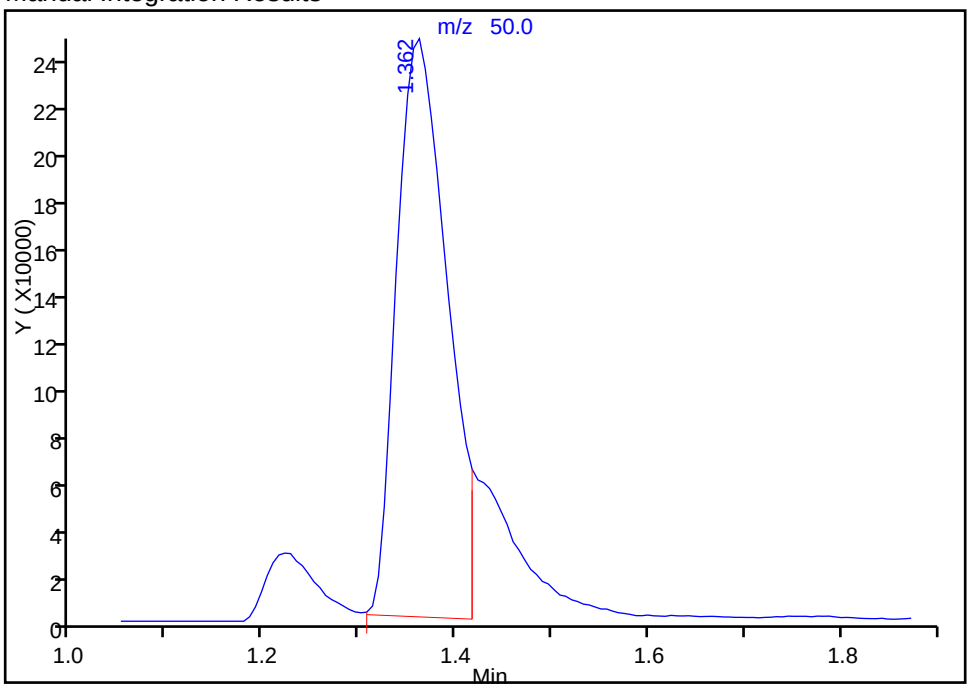
Processing Integration Results

RT: 1.36
Response: 1107370
Amount: 112.3659



Manual Integration Results

RT: 1.36
Response: 905947
Amount: 95.717230



Reviewer: HillL, 05-Feb-2014 14:39:38
Audit Action: Manually Integrated
Audit Reason: Coelution

Manual Integration/User Assign Peak Report

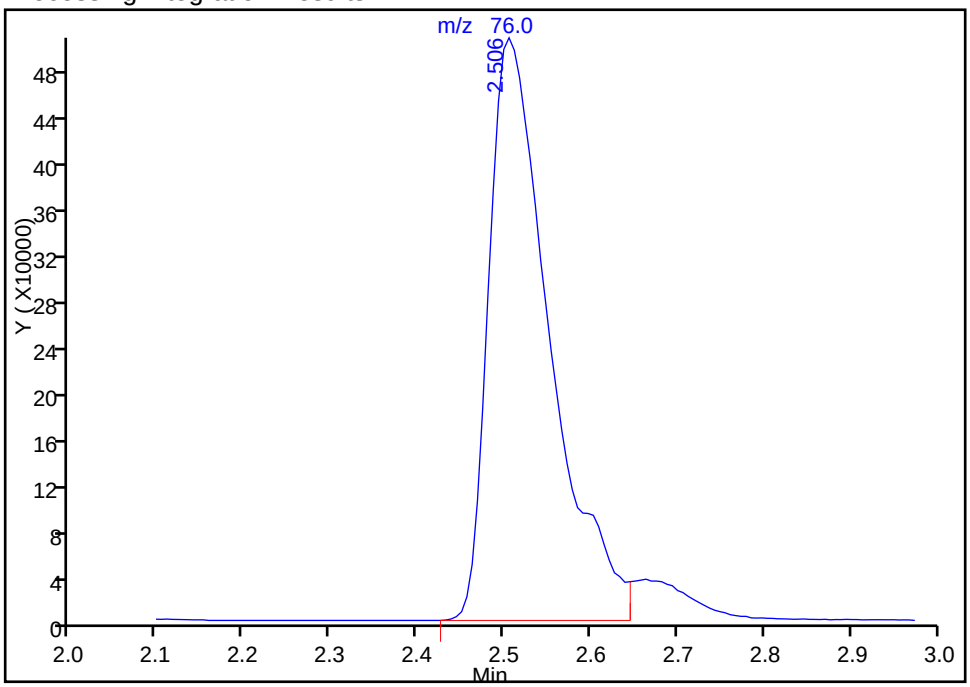
TestAmerica Buffalo

Data File: \\Bufchrom\ChromData\HP5973S\20140204-29280.b\S34501.D
Injection Date: 04-Feb-2014 23:36:30 Instrument ID: HP5973S
Lims ID: IC 6 Lab Sample ID:
Client ID:
Operator ID: NMD ALS Bottle#: 11 Worklist Smp#: 11
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: S-8260 Limit Group: MV - 8260C ICAL
Column: ZB-624 (0.25 mm) Detector MS SCAN

26 Carbon disulfide, CAS: 75-15-0

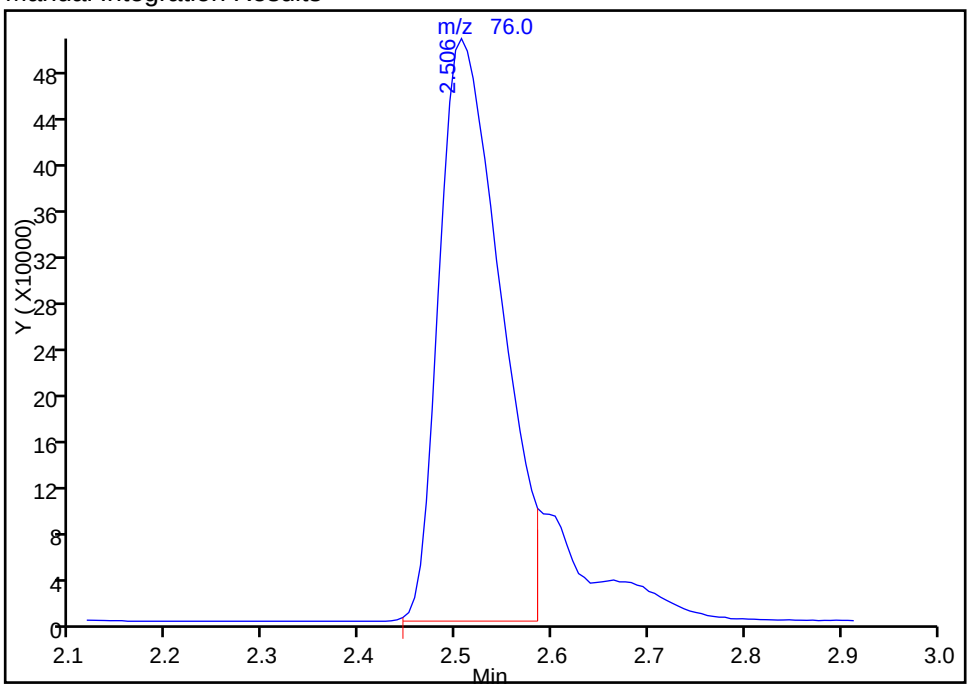
Processing Integration Results

RT: 2.51
Response: 2468254
Amount: 106.8265



Manual Integration Results

RT: 2.51
Response: 2240113
Amount: 98.574686



Reviewer: HillL, 05-Feb-2014 14:39:38
Audit Action: Manually Integrated
Audit Reason: Coelution

Manual Integration/User Assign Peak Report

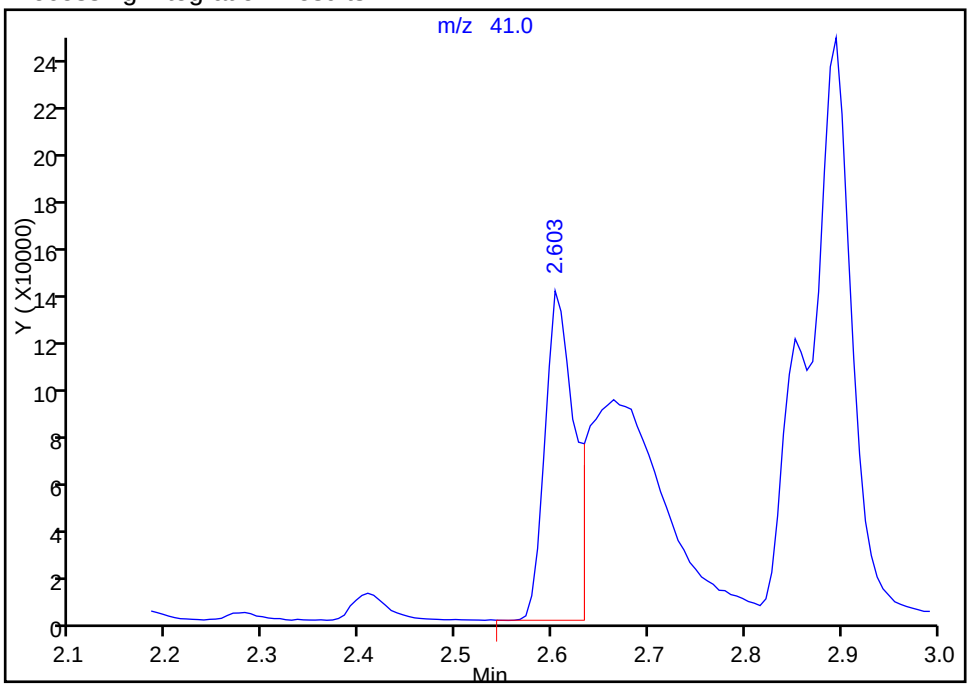
TestAmerica Buffalo

Data File: \\Bufchrom\ChromData\HP5973S\20140204-29280.b\S34501.D
Injection Date: 04-Feb-2014 23:36:30 Instrument ID: HP5973S
Lims ID: IC 6 Lab Sample ID:
Client ID:
Operator ID: NMD ALS Bottle#: 11 Worklist Smp#: 11
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: S-8260 Limit Group: MV - 8260C ICAL
Column: ZB-624 (0.25 mm) Detector MS SCAN

28 3-Chloro-1-propene, CAS: 107-05-1

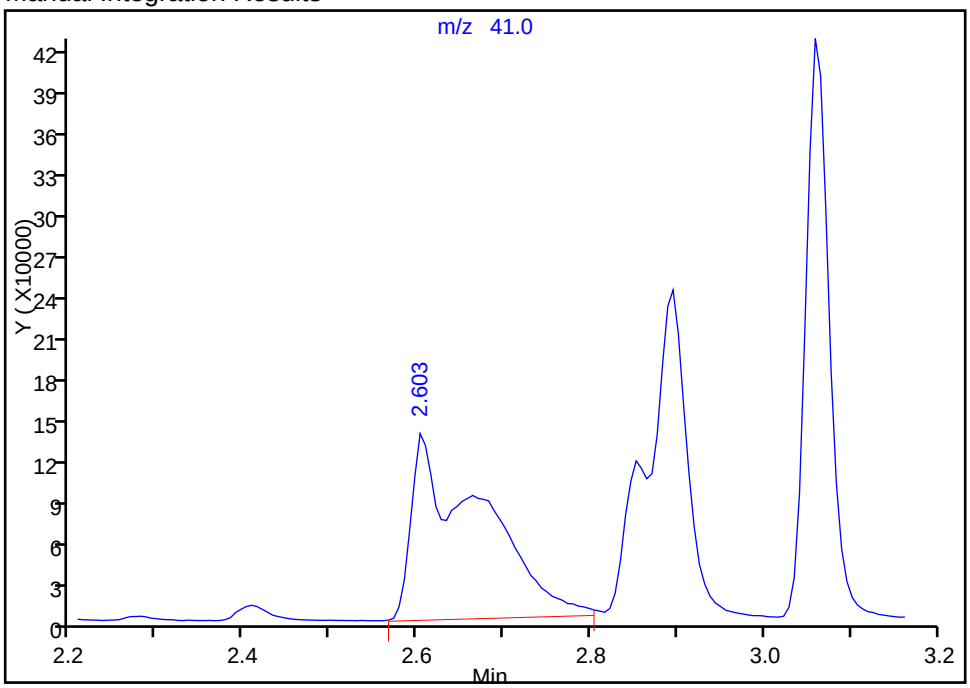
Processing Integration Results

RT: 2.60
Response: 297634
Amount: 37.939087



Manual Integration Results

RT: 2.60
Response: 762744
Amount: 88.482997



Reviewer: HillL, 05-Feb-2014 14:39:38
Audit Action: Manually Integrated
Audit Reason: Peak Tail

Manual Integration/User Assign Peak Report

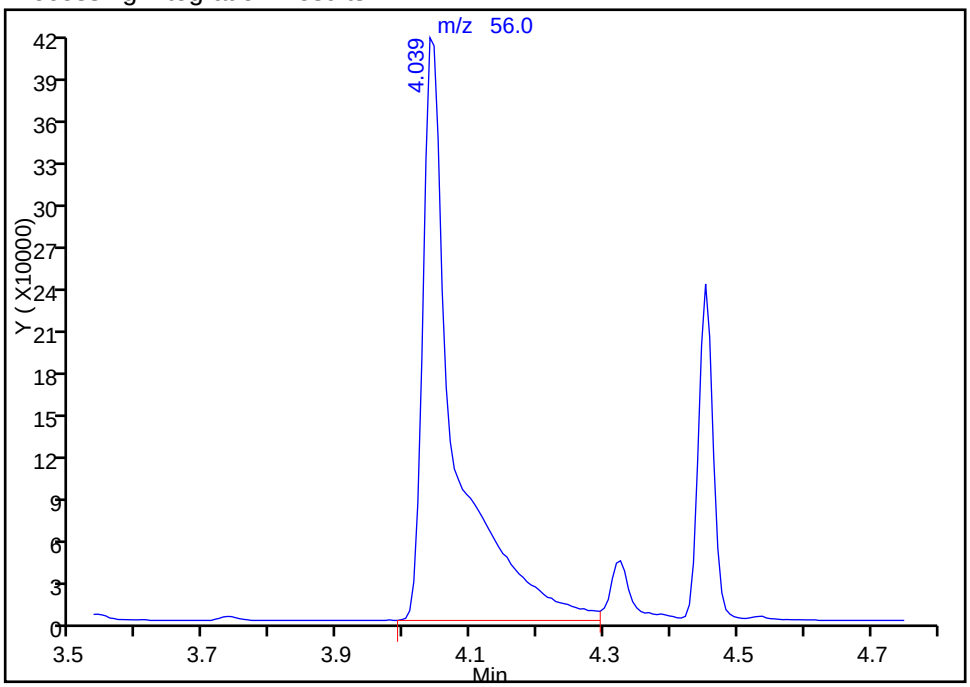
TestAmerica Buffalo

Data File: \\Bufchrom\ChromData\HP5973S\20140204-29280.b\S34501.D
Injection Date: 04-Feb-2014 23:36:30 Instrument ID: HP5973S
Lims ID: IC 6 Lab Sample ID:
Client ID:
Operator ID: NMD ALS Bottle#: 11 Worklist Smp#: 11
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: S-8260 Limit Group: MV - 8260C ICAL
Column: ZB-624 (0.25 mm) Detector MS SCAN

52 Cyclohexane, CAS: 110-82-7

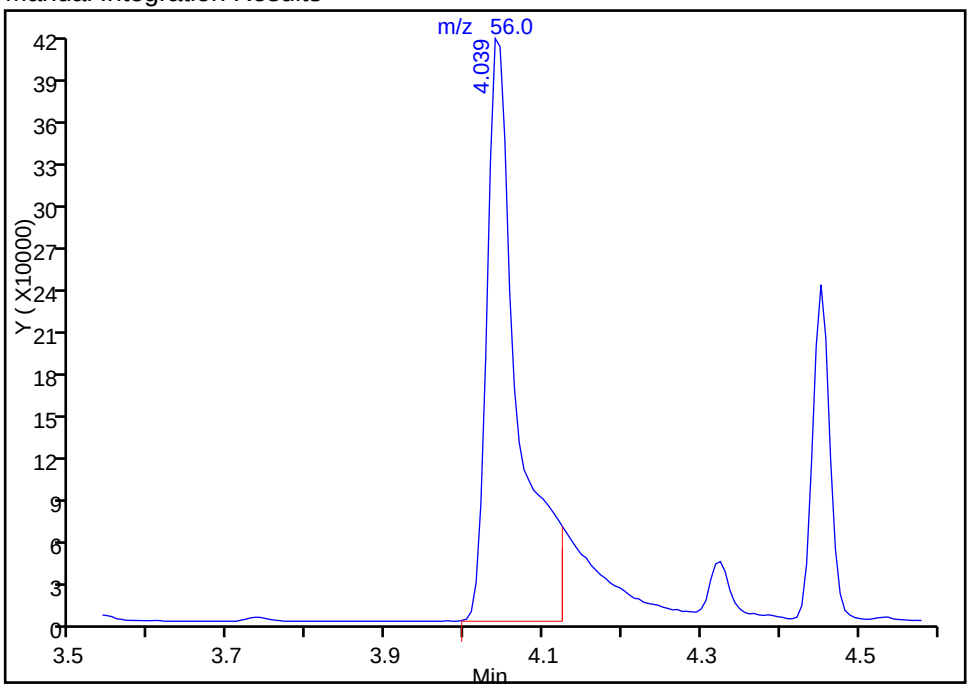
Processing Integration Results

RT: 4.04
Response: 1387805
Amount: 111.7538



Manual Integration Results

RT: 4.04
Response: 1143388
Amount: 95.194647



Reviewer: HillL, 05-Feb-2014 14:39:38
Audit Action: Manually Integrated
Audit Reason: Coelution

Manual Integration/User Assign Peak Report

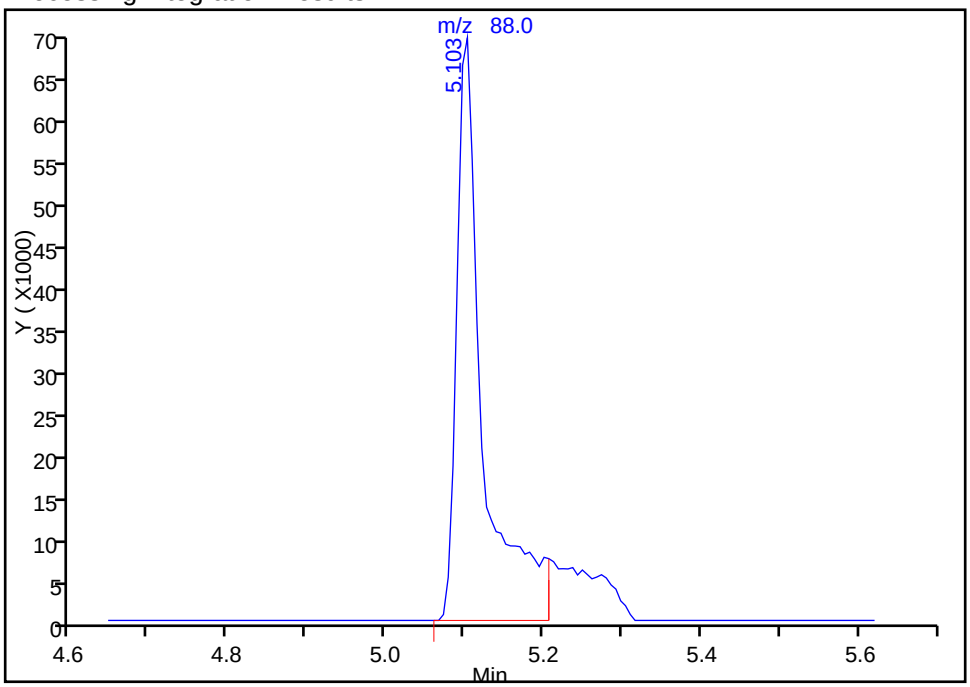
TestAmerica Buffalo

Data File: \\Bufchrom\ChromData\HP5973S\20140204-29280.b\S34501.D
Injection Date: 04-Feb-2014 23:36:30 Instrument ID: HP5973S
Lims ID: IC 6 Lab Sample ID:
Client ID:
Operator ID: NMD ALS Bottle#: 11 Worklist Smp#: 11
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: S-8260 Limit Group: MV - 8260C ICAL
Column: ZB-624 (0.25 mm) Detector MS SCAN

66 1,4-Dioxane, CAS: 123-91-1

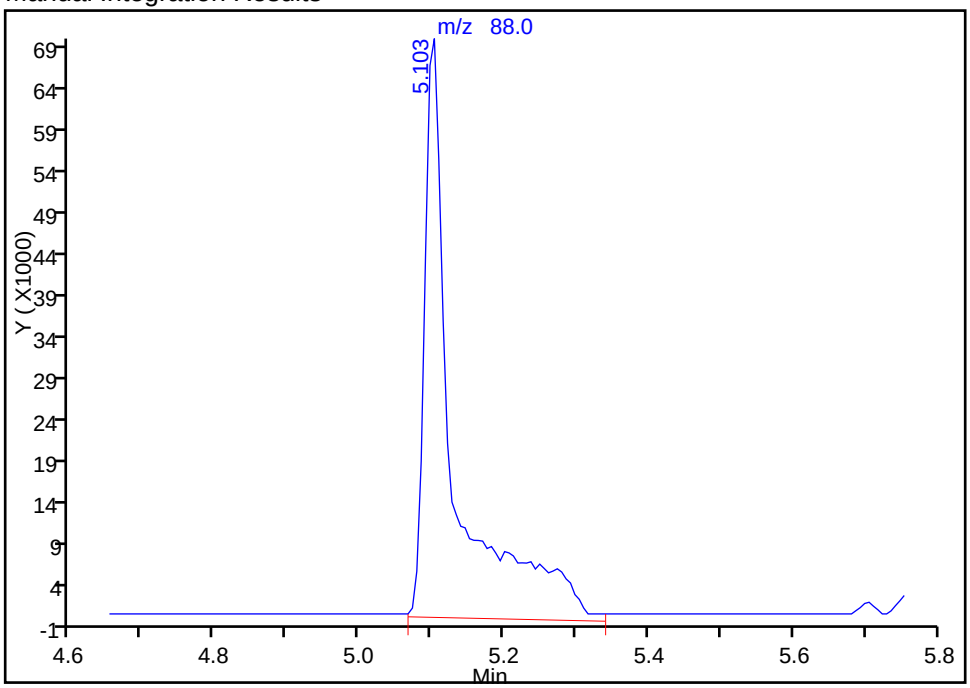
Processing Integration Results

RT: 5.10
Response: 160409
Amount: 1801.5197



Manual Integration Results

RT: 5.10
Response: 200553
Amount: 2170.8096



Reviewer: HillL, 05-Feb-2014 14:39:38
Audit Action: Manually Integrated
Audit Reason: Peak Tail

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

Lab Name: TestAmerica Buffalo Job No.: 480-55783-1 Analy Batch No.: 167582

SDG No.:

Instrument ID: HP5975D GC Column: RTX-CLPII ID: 0.53(mm) Heated Purge: (Y/N) N

Calibration Start Date: 02/26/2014 00:41 Calibration End Date: 02/26/2014 02:46 Calibration ID: 17543

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 480-167582/5	D9830.D
Level 2	IC 480-167582/6	D9831.D
Level 3	IC 480-167582/7	D9832.D
Level 4	IC 480-167582/8	D9833.D
Level 5	ICIS 480-167582/9	D9834.D
Level 6	IC 480-167582/10	D9835.D
Level 7	IC 480-167582/11	D9836.D

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3	LVL 4	LVL 5		B	M1	M2								
Dichlorodifluoromethane	+++++ 0.3904	0.4263 0.3712	0.4058	0.4206	0.4167	Ave		0.4051			0.1000	5.2		20.0			
Chloromethane	+++++ 0.5502	0.7055 0.5326	0.5956	0.5962	0.5871	Ave		0.5945			0.1000	10.0		20.0			
Vinyl chloride	0.5797 0.4872	0.5687 0.4581	0.5093	0.5192	0.5106	Ave		0.5190			0.1000	8.3		20.0			
Butadiene	+++++ 0.4883	0.5834 0.4669	0.5187	0.5224	0.5170	Ave		0.5161				7.6		20.0			
Bromomethane	+++++ 0.2160	0.3514 0.2115	0.2461	0.2405	0.2341	Lin1	0.1580	0.2138			0.1000				0.9990		0.9900
Chloroethane	+++++ 0.2470	0.2770 0.2392	0.2606	0.2631	0.2593	Ave		0.2577			0.1000	5.1		20.0			
Dichlorofluoromethane	+++++ 0.5375	0.6738 0.5212	0.5667	0.5782	0.5696	Ave		0.5745				9.3		20.0			
Trichlorofluoromethane	+++++ 0.3640	0.3638 0.3646	0.3524	0.3673	0.3831	Ave		0.3658			0.1000	2.7		20.0			
Ethyl ether	+++++ 0.3476	0.3857 0.3364	0.3426	0.3517	0.3606	Ave		0.3541				4.9		20.0			
Acrolein	+++++ 0.0828	0.0979 0.0783	0.0762	0.0800	0.0826	Ave		0.0830				9.3		20.0			
1,1-Dichloroethene	+++++ 0.3068	0.3593 0.2971	0.3167	0.3188	0.3191	Ave		0.3196			0.1000	6.7		20.0			
1,1,2-Trichloro-1,2,2-trifluoroethane	+++++ 0.3120	0.3347 0.2982	0.3138	0.3270	0.3232	Ave		0.3181			0.1000	4.1		20.0			
Acetone	+++++ 0.1309	0.1552 0.1170	0.0921	0.1035	0.1138	Ave		0.1188			0.1000	19.0		20.0			
Iodomethane	+++++ 0.5067	0.5826 0.4879	0.5268	0.5195	0.5250	Ave		0.5247				6.1		20.0			

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.: 480-55783-1 Analy Batch No.: 167582

SDG No.:

Instrument ID: HP5975D GC Column: RTX-CLPII ID: 0.53(mm) Heated Purge: (Y/N) N

Calibration Start Date: 02/26/2014 00:41 Calibration End Date: 02/26/2014 02:46 Calibration ID: 17543

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3	LVL 4	LVL 5		B	M1	M2								
Carbon disulfide	+++++ 1.1149	1.3291 1.0830	1.1693	1.1440	1.1513	Ave		1.1653			0.1000	7.4		20.0			
Allyl chloride	+++++ 0.7683	0.9953 0.7388	0.8208	0.7985	0.8161	Ave		0.8230				11.0		20.0			
Methyl acetate	+++++ 0.4168	0.4689 0.3959	0.3566	0.3759	0.4171	Ave		0.4052			0.1000	9.6		20.0			
Methylene Chloride	+++++ 0.3586	0.4325 0.3510	0.3730	0.3783	0.3771	Ave		0.3784			0.1000	7.6		20.0			
2-Methyl-2-propanol	+++++ 0.0461	0.0452 0.0388	0.0276	0.0300	0.0336	Qua	-1.232	0.0496	0						0.9920		0.9900
Methyl tert-butyl ether	+++++ 1.1189	1.2676 1.0555	1.0955	1.1464	1.1656	Ave		1.1416			0.1000	6.4		20.0			
trans-1,2-Dichloroethene	+++++ 0.3449	0.4168 0.3326	0.3609	0.3620	0.3695	Ave		0.3644			0.1000	7.9		20.0			
Acrylonitrile	+++++ 0.1962	0.2116 0.1819	0.1676	0.1786	0.1879	Ave		0.1873				8.1		20.0			
Hexane	+++++ 0.6341	0.7554 0.6168	0.6570	0.6621	0.6610	Ave		0.6644				7.2		20.0			
1,1-Dichloroethane	+++++ 0.7155	0.8490 0.6861	0.7457	0.7332	0.7564	Ave		0.7476			0.2000	7.4		20.0			
Vinyl acetate	+++++ 0.9813	1.1110 0.9783	0.9360	0.9430	1.0100	Ave		0.9933				6.4		20.0			
2,2-Dichloropropane	+++++ 0.3222	0.4285 0.2894	0.3627	0.3546	0.3518	Ave		0.3515				13.0		20.0			
cis-1,2-Dichloroethene	+++++ 0.3790	0.4363 0.3628	0.3877	0.3885	0.3965	Ave		0.3918			0.1000	6.3		20.0			
2-Butanone (MEK)	+++++ 0.2352	0.2456 0.2264	0.1794	0.1873	0.2235	Ave		0.2162			0.1000	12.0		20.0			
Chlorobromomethane	+++++ 0.1883	0.2133 0.1827	0.1891	0.1899	0.1964	Ave		0.1933				5.6		20.0			
Tetrahydrofuran	+++++ 0.1659	0.2441 0.1586	0.1464	0.1521	0.1649	Lin1	0.1107	0.1594							0.9980		0.9900
Chloroform	+++++ 0.6116	0.7905 0.5906	0.6454	0.6397	0.6474	Ave		0.6542			0.2000	11.0		20.0			
1,1,1-Trichloroethane	+++++ 0.4697	0.5813 0.4534	0.4941	0.4909	0.5025	Ave		0.4986			0.1000	8.9		20.0			
Cyclohexane	+++++ 0.8049	0.9649 0.7674	0.8354	0.8399	0.8443	Ave		0.8428			0.1000	7.9		20.0			
Carbon tetrachloride	+++++ 0.4286	0.4935 0.4152	0.4463	0.4403	0.4495	Ave		0.4456			0.1000	6.0		20.0			

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.: 480-55783-1 Analy Batch No.: 167582

SDG No.:

Instrument ID: HP5975D GC Column: RTX-CLPII ID: 0.53(mm) Heated Purge: (Y/N) N

Calibration Start Date: 02/26/2014 00:41 Calibration End Date: 02/26/2014 02:46 Calibration ID: 17543

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3	LVL 4	LVL 5		B	M1	M2								
1,1-Dichloropropene	+++++ 0.4419	0.5120 0.4368	0.4606	0.4500	0.4676	Ave		0.4615				5.9		20.0			
Isobutyl alcohol	+++++ 0.0216	0.0222 0.0182	0.0145	0.0154	0.0182	Ave		0.0183				17.0		20.0			
Benzene	+++++ 1.3099	1.5303 1.2887	1.3306	1.3218	1.3706	Ave		1.3587			0.5000	6.5		20.0			
1,2-Dichloroethane	+++++ 0.5082	0.5803 0.4921	0.5085	0.5072	0.5181	Ave		0.5191			0.1000	6.0		20.0			
n-Heptane	+++++ 0.7227	0.8601 0.6948	0.6456	0.7198	0.7573	Ave		0.7334				9.9		20.0			
Trichloroethene	+++++ 0.3370	0.3839 0.3356	0.3335	0.3375	0.3552	Ave		0.3471			0.2000	5.7		20.0			
Methylcyclohexane	+++++ 0.6367	0.7540 0.6145	0.6498	0.6528	0.6720	Ave		0.6633			0.1000	7.3		20.0			
1,2-Dichloropropane	+++++ 0.3708	0.4117 0.3734	0.3654	0.3689	0.3853	Ave		0.3792			0.1000	4.6		20.0			
Dibromomethane	+++++ 0.2136	0.2349 0.2132	0.2052	0.2091	0.2223	Ave		0.2164			0.1000	5.0		20.0			
1,4-Dioxane	+++++ 0.0062	0.0037 0.0058	0.0036	0.0051	0.0061	Lin1	-0.080	0.0060							0.9950		0.9900
Bromodichloromethane	+++++ 0.4603	0.4955 0.4624	0.4403	0.4481	0.4746	Ave		0.4635			0.2000	4.2		20.0			
2-Chloroethyl vinyl ether	+++++ 0.2404	0.2418 0.2500	0.2059	0.2192	0.2425	Ave		0.2333				7.3		20.0			
cis-1,3-Dichloropropene	0.6175 0.5177	0.5576 0.5362	0.4787	0.4893	0.5289	Ave		0.5323			0.2000	8.7		20.0			
4-Methyl-2-pentanone (MIBK)	+++++ 1.2643	1.3090 1.1903	1.1267	1.1971	1.2899	Ave		1.2296			0.1000	5.7		20.0			
Toluene	+++++ 1.9062	2.1645 1.8990	1.9278	1.9767	1.9900	Ave		1.9774			0.4000	5.0		20.0			
trans-1,3-Dichloropropene	1.3041 1.1025	1.1871 1.1195	1.0563	1.0877	1.1266	Ave		1.1405			0.1000	7.2		20.0			
Ethyl methacrylate	+++++ 1.1097	1.1805 1.1020	1.0656	1.1260	1.1427	Ave		1.1211				3.5		20.0			
1,1,2-Trichloroethane	+++++ 0.5985	0.6795 0.5961	0.5825	0.6042	0.6174	Ave		0.6130			0.1000	5.6		20.0			
Tetrachloroethene	+++++ 0.7775	0.8898 0.7760	0.7732	0.7995	0.8001	Ave		0.8027			0.2000	5.5		20.0			
1,3-Dichloropropane	+++++ 1.1865	1.2963 1.1946	1.1431	1.1736	1.2092	Ave		1.2006				4.3		20.0			

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.: 480-55783-1 Analy Batch No.: 167582

SDG No.:

Instrument ID: HP5975D GC Column: RTX-CLPII ID: 0.53(mm) Heated Purge: (Y/N) N

Calibration Start Date: 02/26/2014 00:41 Calibration End Date: 02/26/2014 02:46 Calibration ID: 17543

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3	LVL 4	LVL 5		B	M1	M2								
2-Hexanone	+++++ 0.7695	0.8933 0.7392	0.7423	0.7754	0.7950	Ave		0.7858			0.1000	7.2		20.0			
Dibromochloromethane	+++++ 0.8430	0.8910 0.8424	0.7910	0.8178	0.8464	Ave		0.8386			0.1000	4.0		20.0			
1,2-Dibromoethane	+++++ 0.7375	0.7958 0.7362	0.7099	0.7381	0.7569	Ave		0.7457				3.9		20.0			
Chlorobenzene	+++++ 2.0475	2.3533 2.0483	2.0752	2.0926	2.1230	Ave		2.1233			0.5000	5.5		20.0			
Ethylbenzene	+++++ 3.6215	4.3205 3.5429	3.7691	3.8045	3.8126	Ave		3.8118			0.1000	7.1		20.0			
1,1,1,2-Tetrachloroethane	+++++ 0.7930	0.8852 0.7553	0.7995	0.8080	0.8206	Ave		0.8103				5.3		20.0			
m,p-Xylene	+++++ 1.3765	1.5929 1.3484	1.4144	1.4156	1.4529	Ave		1.4335			0.1000	6.0		20.0			
o-Xylene	+++++ 1.4144	1.6407 1.3638	1.4594	1.4833	1.4759	Ave		1.4729			0.3000	6.4		20.0			
Styrene	+++++ 2.3316	2.6366 2.2975	2.3582	2.4126	2.4327	Ave		2.4116			0.3000	5.0		20.0			
Bromoform	+++++ 0.5535	0.5601 0.5566	0.5063	0.5324	0.5547	Ave		0.5439			0.1000	3.8		20.0			
Isopropylbenzene	+++++ 4.3034	4.5288 4.1274	4.1400	4.1744	4.4128	Ave		4.2811			0.1000	3.8		20.0			
Bromobenzene	+++++ 0.9888	1.0809 0.9760	0.9519	0.9567	1.0066	Ave		0.9935				4.8		20.0			
1,1,2,2-Tetrachloroethane	+++++ 1.2816	1.3281 1.2188	1.2058	1.2516	1.2864	Ave		1.2620			0.3000	3.6		20.0			
1,2,3-Trichloropropane	+++++ 0.3518	0.3946 0.3342	0.3363	0.3406	0.3637	Ave		0.3535				6.5		20.0			
trans-1,4-Dichloro-2-butene	+++++ 0.4449	0.4542 0.4411	0.3984	0.4227	0.4579	Ave		0.4365				5.1		20.0			
N-Propylbenzene	+++++ 5.1309	5.6400 4.9309	5.0480	5.1064	5.3010	Ave		5.1929				4.8		20.0			
2-Chlorotoluene	+++++ 0.9716	1.0308 0.9340	0.9448	0.9662	1.0012	Ave		0.9748				3.7		20.0			
1,3,5-Trimethylbenzene	+++++ 3.6218	3.8009 3.4488	3.4753	3.5158	3.6940	Ave		3.5928				3.8		20.0			
4-Chlorotoluene	+++++ 0.9624	1.0879 0.9526	0.9576	0.9490	0.9923	Ave		0.9836				5.4		20.0			
tert-Butylbenzene	+++++ 0.7540	0.6878 0.7306	0.6784	0.7086	0.7557	Ave		0.7192				4.6		20.0			

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.: 480-55783-1 Analy Batch No.: 167582

SDG No.:

Instrument ID: HP5975D GC Column: RTX-CLPII ID: 0.53(mm) Heated Purge: (Y/N) N

Calibration Start Date: 02/26/2014 00:41 Calibration End Date: 02/26/2014 02:46 Calibration ID: 17543

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3	LVL 4	LVL 5		B	M1	M2								
1,2,4-Trimethylbenzene	+++++ 3.7287	3.9774 3.5518	3.6146	3.6668	3.8363	Ave		3.7293				4.2		20.0			
sec-Butylbenzene	+++++ 4.6950	4.9403 4.4772	4.4456	4.5547	4.7713	Ave		4.6474				4.1		20.0			
4-Isopropyltoluene	+++++ 3.9511	4.1913 3.7574	3.8308	3.9040	4.0355	Ave		3.9450				3.9		20.0			
1,3-Dichlorobenzene	+++++ 1.8993	2.1483 1.8442	1.9005	1.9286	1.9514	Ave		1.9454			0.6000	5.4		20.0			
1,4-Dichlorobenzene	+++++ 1.9308	2.1756 1.8966	1.9239	1.9198	1.9849	Ave		1.9719			0.5000	5.3		20.0			
n-Butylbenzene	+++++ 3.8252	4.1847 3.6862	3.7377	3.8246	3.9212	Ave		3.8633				4.6		20.0			
1,2-Dichlorobenzene	+++++ 1.9376	2.1478 1.8417	1.8956	1.9596	1.9791	Ave		1.9602			0.4000	5.3		20.0			
1,2-Dibromo-3-Chloropropane	+++++ 0.2733	0.2783 0.2396	0.2301	0.2525	0.2704	Ave		0.2574			0.0500	7.7		20.0			
1,2,4-Trichlorobenzene	+++++ 1.4562	1.5567 1.3643	1.3877	1.4711	1.4685	Ave		1.4507			0.2000	4.7		20.0			
Hexachlorobutadiene	0.8360 0.7102	0.7657 0.6612	0.6836	0.7074	0.7138	Ave		0.7254				8.0		20.0			
Naphthalene	+++++ 4.2164	4.1879 3.7917	3.8176	4.0828	4.1665	Ave		4.0438				4.7		20.0			
1,2,3-Trichlorobenzene	+++++ 1.3476	1.4457 1.2486	1.2951	1.3642	1.3545	Ave		1.3426				5.0		20.0			
Dibromofluoromethane (Surr)	0.3122 0.3118	0.3217 0.2999	0.3163	0.3199	0.3194	Ave		0.3145				2.4		20.0			
1,2-Dichloroethane-d4 (Surr)	0.2024 0.2057	0.2101 0.2021	0.2040	0.2083	0.2106	Ave		0.2062				1.7		20.0			
Toluene-d8 (Surr)	2.7011 2.7704	2.7711 2.7125	2.7146	2.8372	2.7731	Ave		2.7543				1.7		20.0			
4-Bromofluorobenzene (Surr)	0.7955 0.7866	0.8141 0.7755	0.7943	0.8083	0.7966	Ave		0.7959				1.6		20.0			

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.: 480-55783-1 Analy Batch No.: 167582

SDG No.:

Instrument ID: HP5975D GC Column: RTX-CLPII ID: 0.53(mm) Heated Purge: (Y/N) N

Calibration Start Date: 02/26/2014 00:41 Calibration End Date: 02/26/2014 02:46 Calibration ID: 17543

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 480-167582/5	D9830.D
Level 2	IC 480-167582/6	D9831.D
Level 3	IC 480-167582/7	D9832.D
Level 4	IC 480-167582/8	D9833.D
Level 5	ICIS 480-167582/9	D9834.D
Level 6	IC 480-167582/10	D9835.D
Level 7	IC 480-167582/11	D9836.D

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (UG/L)				
			LVL 1 LVL 6	LVL 2 LVL 7	LVL 3	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3	LVL 4	LVL 5
Dichlorodifluoromethane	FB	Ave	+++++ 525032	11516 1063132	55579	110795	279564	+++++ 50.0	1.00 100	5.00	10.0	25.0
Chloromethane	FB	Ave	+++++ 740028	19057 1525411	81568	157065	393902	+++++ 50.0	1.00 100	5.00	10.0	25.0
Vinyl chloride	FB	Ave	6533 655323	15362 1312146	69757	136780	342550	0.400 50.0	1.00 100	5.00	10.0	25.0
Butadiene	FB	Ave	+++++ 656827	15759 1337306	71039	137617	346883	+++++ 50.0	1.00 100	5.00	10.0	25.0
Bromomethane	FB	Lin1	+++++ 290589	9491 605827	33702	63352	157043	+++++ 50.0	1.00 100	5.00	10.0	25.0
Chloroethane	FB	Ave	+++++ 332257	7483 684976	35684	69311	173948	+++++ 50.0	1.00 100	5.00	10.0	25.0
Dichlorofluoromethane	FB	Ave	+++++ 722978	18202 1492807	77617	152337	382175	+++++ 50.0	1.00 100	5.00	10.0	25.0
Trichlorofluoromethane	FB	Ave	+++++ 489557	9826 1044298	48261	96754	257017	+++++ 50.0	1.00 100	5.00	10.0	25.0
Ethyl ether	FB	Ave	+++++ 467568	10418 963634	46926	92663	241933	+++++ 50.0	1.00 100	5.00	10.0	25.0
Acrolein	FB	Ave	+++++ 556672	13219 1121232	52214	105400	277178	+++++ 250	5.00 500	25.0	50.0	125
1,1-Dichloroethene	FB	Ave	+++++ 412675	9707 850905	43370	83993	214067	+++++ 50.0	1.00 100	5.00	10.0	25.0
1,1,2-Trichloro-1,2,2-trifluoroetha ne	FB	Ave	+++++ 419606	9041 854147	42972	86145	216841	+++++ 50.0	1.00 100	5.00	10.0	25.0
Acetone	FB	Ave	+++++ 880576	20963 1675181	63096	136389	381652	+++++ 250	5.00 500	25.0	50.0	125
Iodomethane	FB	Ave	+++++ 681475	15738 1397394	72146	136861	352211	+++++ 50.0	1.00 100	5.00	10.0	25.0
Carbon disulfide	FB	Ave	+++++ 1499507	35902 3101927	160147	301397	772413	+++++ 50.0	1.00 100	5.00	10.0	25.0

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

Lab Name: TestAmerica Buffalo Job No.: 480-55783-1 Analy Batch No.: 167582

SDG No.:

Instrument ID: HP5975D GC Column: RTX-CLPII ID: 0.53(mm) Heated Purge: (Y/N) N

Calibration Start Date: 02/26/2014 00:41 Calibration End Date: 02/26/2014 02:46 Calibration ID: 17543

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (UG/L)				
			LVL 1 LVL 6	LVL 2 LVL 7	LVL 3	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3	LVL 4	LVL 5
Allyl chloride	FB	Ave	+++++ 1033394	26885 2115962	112409	210377	547535	+++++ 50.0	1.00 100	5.00	10.0	25.0
Methyl acetate	FB	Ave	+++++ 2802863	63329 5670102	244205	495212	1399310	+++++ 250	5.00 500	25.0	50.0	125
Methylene Chloride	FB	Ave	+++++ 482337	11683 1005336	51083	99676	253011	+++++ 50.0	1.00 100	5.00	10.0	25.0
2-Methyl-2-propanol	FB	Qua	+++++ 620134	12220 1110942	37750	78926	225626	+++++ 500	10.0 1000	50.0	100	250
Methyl tert-butyl ether	FB	Ave	+++++ 1504943	34241 3023111	150041	302012	782059	+++++ 50.0	1.00 100	5.00	10.0	25.0
trans-1,2-Dichloroethene	FB	Ave	+++++ 463898	11259 952610	49426	95366	247913	+++++ 50.0	1.00 100	5.00	10.0	25.0
Acrylonitrile	FB	Ave	+++++ 2638791	57167 5209066	229566	470487	1260886	+++++ 500	10.0 1000	50.0	100	250
Hexane	FB	Ave	+++++ 852918	20405 1766649	89982	174440	443479	+++++ 50.0	1.00 100	5.00	10.0	25.0
1,1-Dichloroethane	FB	Ave	+++++ 962317	22935 1965122	102127	193163	507462	+++++ 50.0	1.00 100	5.00	10.0	25.0
Vinyl acetate	FB	Ave	+++++ 2639636	60024 5604237	256390	496877	1355301	+++++ 100	2.00 200	10.0	20.0	50.0
2,2-Dichloropropane	FB	Ave	+++++ 433367	11576 828875	49668	93425	236046	+++++ 50.0	1.00 100	5.00	10.0	25.0
cis-1,2-Dichloroethene	FB	Ave	+++++ 509703	11786 1039229	53094	102360	266006	+++++ 50.0	1.00 100	5.00	10.0	25.0
2-Butanone (MEK)	FB	Ave	+++++ 1581894	33168 3242015	122857	246668	749726	+++++ 250	5.00 500	25.0	50.0	125
Chlorobromomethane	FB	Ave	+++++ 253324	5762 523302	25892	50040	131795	+++++ 50.0	1.00 100	5.00	10.0	25.0
Tetrahydrofuran	FB	Lin1	+++++ 446382	13189 908257	40101	80163	221258	+++++ 100	2.00 200	10.0	20.0	50.0
Chloroform	FB	Ave	+++++ 822588	21354 1691723	88388	168543	434341	+++++ 50.0	1.00 100	5.00	10.0	25.0
1,1,1-Trichloroethane	FB	Ave	+++++ 631749	15703 1298482	67676	129324	337123	+++++ 50.0	1.00 100	5.00	10.0	25.0
Cyclohexane	FB	Ave	+++++ 1082589	26064 2198038	114409	221267	566441	+++++ 50.0	1.00 100	5.00	10.0	25.0
Carbon tetrachloride	FB	Ave	+++++ 576466	13330 1189292	61124	115995	301552	+++++ 50.0	1.00 100	5.00	10.0	25.0
1,1-Dichloropropene	FB	Ave	+++++ 594302	13830 1251069	63084	118547	313746	+++++ 50.0	1.00 100	5.00	10.0	25.0
Isobutyl alcohol	FB	Ave	+++++ 725209	14987 1301540	49756	101466	304472	+++++ 1250	25.0 2500	125	250	625

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

Lab Name: TestAmerica Buffalo Job No.: 480-55783-1 Analy Batch No.: 167582

SDG No.:

Instrument ID: HP5975D GC Column: RTX-CLPII ID: 0.53(mm) Heated Purge: (Y/N) N

Calibration Start Date: 02/26/2014 00:41 Calibration End Date: 02/26/2014 02:46 Calibration ID: 17543

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (UG/L)				
			LVL 1 LVL 6	LVL 2 LVL 7	LVL 3	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3	LVL 4	LVL 5
Benzene	FB	Ave	+++++ 1761800	41339 3690962	182240	348236	919577	+++++ 50.0	1.00 100	5.00	10.0	25.0
1,2-Dichloroethane	FB	Ave	+++++ 683536	15676 1409330	69640	133621	347601	+++++ 50.0	1.00 100	5.00	10.0	25.0
n-Heptane	FB	Ave	+++++ 972092	23234 1990030	88423	189627	508070	+++++ 50.0	1.00 100	5.00	10.0	25.0
Trichloroethene	FB	Ave	+++++ 453285	10371 961171	45672	88903	238286	+++++ 50.0	1.00 100	5.00	10.0	25.0
Methylcyclohexane	FB	Ave	+++++ 856356	20368 1760148	88991	171978	450860	+++++ 50.0	1.00 100	5.00	10.0	25.0
1,2-Dichloropropane	FB	Ave	+++++ 498718	11121 1069539	50040	97190	258477	+++++ 50.0	1.00 100	5.00	10.0	25.0
Dibromomethane	FB	Ave	+++++ 287337	6345 610524	28098	55088	149166	+++++ 50.0	1.00 100	5.00	10.0	25.0
1,4-Dioxane	CBZ	Lin1	+++++ 65693	755 133174	3670	9916	32402	+++++ 1000	20.0 2000	100	200	500
Bromodichloromethane	FB	Ave	+++++ 619087	13384 1324516	60301	118049	318394	+++++ 50.0	1.00 100	5.00	10.0	25.0
2-Chloroethyl vinyl ether	FB	Ave	+++++ 323335	6532 716129	28199	57740	162716	+++++ 50.0	1.00 100	5.00	10.0	25.0
cis-1,3-Dichloropropene	FB	Ave	6959 696376	15063 1535821	65561	128898	354882	0.400 50.0	1.00 100	5.00	10.0	25.0
4-Methyl-2-pentanone (MIBK)	CBZ	Ave	+++++ 3331432	67418 6800842	291099	586243	1707752	+++++ 250	5.00 500	25.0	50.0	125
Toluene	CBZ	Ave	+++++ 1004556	22296 2169864	99616	193602	526920	+++++ 50.0	1.00 100	5.00	10.0	25.0
trans-1,3-Dichloropropene	CBZ	Ave	5656 580977	12228 1279257	54580	106533	298305	0.400 50.0	1.00 100	5.00	10.0	25.0
Ethyl methacrylate	CBZ	Ave	+++++ 584820	12160 1259215	55064	110284	302578	+++++ 50.0	1.00 100	5.00	10.0	25.0
1,1,2-Trichloroethane	CBZ	Ave	+++++ 315391	6999 681096	30101	59181	163485	+++++ 50.0	1.00 100	5.00	10.0	25.0
Tetrachloroethene	CBZ	Ave	+++++ 409741	9166 886681	39956	78308	211854	+++++ 50.0	1.00 100	5.00	10.0	25.0
1,3-Dichloropropane	CBZ	Ave	+++++ 625292	13353 1365015	59067	114940	320179	+++++ 50.0	1.00 100	5.00	10.0	25.0
2-Hexanone	CBZ	Ave	+++++ 2027448	46010 4223184	191791	379721	1052535	+++++ 250	5.00 500	25.0	50.0	125
Dibromochloromethane	CBZ	Ave	+++++ 435375	8994 943296	40057	78494	219635	+++++ 49.0	0.980 98.0	4.90	9.80	24.5
1,2-Dibromoethane	CBZ	Ave	+++++ 388647	8197 841243	36683	72292	200422	+++++ 50.0	1.00 100	5.00	10.0	25.0

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

Lab Name: TestAmerica Buffalo Job No.: 480-55783-1 Analy Batch No.: 167582

SDG No.:

Instrument ID: HP5975D GC Column: RTX-CLPII ID: 0.53(mm) Heated Purge: (Y/N) N

Calibration Start Date: 02/26/2014 00:41 Calibration End Date: 02/26/2014 02:46 Calibration ID: 17543

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (UG/L)				
			LVL 1 LVL 6	LVL 2 LVL 7	LVL 3	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3	LVL 4	LVL 5
Chlorobenzene	CBZ	Ave	+++++ 1079009	24241 2340551	107232	204954	562142	+++++ 50.0	1.00 100	5.00	10.0	25.0
Ethylbenzene	CBZ	Ave	+++++ 1908465	44504 4048359	194761	372620	1009515	+++++ 50.0	1.00 100	5.00	10.0	25.0
1,1,1,2-Tetrachloroethane	CBZ	Ave	+++++ 417920	9118 863058	41312	79141	217277	+++++ 50.0	1.00 100	5.00	10.0	25.0
m,p-Xylene	CBZ	Ave	+++++ 725418	16408 1540769	73088	138643	384712	+++++ 50.0	1.00 100	5.00	10.0	25.0
o-Xylene	CBZ	Ave	+++++ 745361	16900 1558310	75410	145273	390804	+++++ 50.0	1.00 100	5.00	10.0	25.0
Styrene	CBZ	Ave	+++++ 1228746	27159 2625323	121856	236291	644149	+++++ 50.0	1.00 100	5.00	10.0	25.0
Bromoform	CBZ	Ave	+++++ 291709	5769 636012	26160	52144	146874	+++++ 50.0	1.00 100	5.00	10.0	25.0
Isopropylbenzene	DCB	Ave	+++++ 1992496	44133 4136692	199870	387208	1049619	+++++ 50.0	1.00 100	5.00	10.0	25.0
Bromobenzene	DCB	Ave	+++++ 457837	10533 978227	45957	88746	239422	+++++ 50.0	1.00 100	5.00	10.0	25.0
1,1,2,2-Tetrachloroethane	DCB	Ave	+++++ 593374	12942 1221541	58212	116095	305974	+++++ 50.0	1.00 100	5.00	10.0	25.0
1,2,3-Trichloropropane	DCB	Ave	+++++ 162896	3845 334965	16235	31591	86497	+++++ 50.0	1.00 100	5.00	10.0	25.0
trans-1,4-Dichloro-2-butene	DCB	Ave	+++++ 205992	4426 442051	19234	39211	108916	+++++ 50.0	1.00 100	5.00	10.0	25.0
N-Propylbenzene	DCB	Ave	+++++ 2375606	54962 4941976	243705	473663	1260879	+++++ 50.0	1.00 100	5.00	10.0	25.0
2-Chlorotoluene	DCB	Ave	+++++ 449871	10045 936121	45614	89624	238151	+++++ 50.0	1.00 100	5.00	10.0	25.0
1,3,5-Trimethylbenzene	DCB	Ave	+++++ 1676904	37040 3456523	167779	326123	878637	+++++ 50.0	1.00 100	5.00	10.0	25.0
4-Chlorotoluene	DCB	Ave	+++++ 445603	10602 954720	46232	88025	236026	+++++ 50.0	1.00 100	5.00	10.0	25.0
tert-Butylbenzene	DCB	Ave	+++++ 349099	6703 732264	32754	65727	179739	+++++ 50.0	1.00 100	5.00	10.0	25.0
1,2,4-Trimethylbenzene	DCB	Ave	+++++ 1726384	38760 3559805	174504	340124	912495	+++++ 50.0	1.00 100	5.00	10.0	25.0
sec-Butylbenzene	DCB	Ave	+++++ 2173784	48143 4487267	214625	422486	1134887	+++++ 50.0	1.00 100	5.00	10.0	25.0
4-Isopropyltoluene	DCB	Ave	+++++ 1829358	40844 3765854	184941	362124	959863	+++++ 50.0	1.00 100	5.00	10.0	25.0
1,3-Dichlorobenzene	DCB	Ave	+++++ 879377	20935 1848322	91752	178897	464141	+++++ 50.0	1.00 100	5.00	10.0	25.0

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

Lab Name: TestAmerica Buffalo Job No.: 480-55783-1 Analy Batch No.: 167582

SDG No.:

Instrument ID: HP5975D GC Column: RTX-CLPII ID: 0.53(mm) Heated Purge: (Y/N) N

Calibration Start Date: 02/26/2014 00:41 Calibration End Date: 02/26/2014 02:46 Calibration ID: 17543

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (UG/L)				
			LVL 1 LVL 6	LVL 2 LVL 7	LVL 3	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3	LVL 4	LVL 5
1,4-Dichlorobenzene	DCB	Ave	+++++ 893977	21201 1900880	92883	178073	472113	+++++ 50.0	1.00 100	5.00	10.0	25.0
n-Butylbenzene	DCB	Ave	+++++ 1771063	40780 3694456	180447	354765	932681	+++++ 50.0	1.00 100	5.00	10.0	25.0
1,2-Dichlorobenzene	DCB	Ave	+++++ 897103	20930 1845799	91514	181768	470729	+++++ 50.0	1.00 100	5.00	10.0	25.0
1,2-Dibromo-3-Chloropropane	DCB	Ave	+++++ 126539	2712 240165	11111	23422	64321	+++++ 50.0	1.00 100	5.00	10.0	25.0
1,2,4-Trichlorobenzene	DCB	Ave	+++++ 674237	15170 1367347	66995	136452	349299	+++++ 50.0	1.00 100	5.00	10.0	25.0
Hexachlorobutadiene	DCB	Ave	3377 328840	7462 662660	33004	65617	169784	0.400 50.0	1.00 100	5.00	10.0	25.0
Naphthalene	DCB	Ave	+++++ 1952200	40811 3800211	184303	378717	991018	+++++ 50.0	1.00 100	5.00	10.0	25.0
1,2,3-Trichlorobenzene	DCB	Ave	+++++ 623953	14088 1251382	62525	126536	322166	+++++ 50.0	1.00 100	5.00	10.0	25.0
Dibromofluoromethane (Surr)	FB	Ave	219878 209701	217259 214754	216592	210678	214300	25.0 25.0	25.0 25.0	25.0	25.0	25.0
1,2-Dichloroethane-d4 (Surr)	FB	Ave	142559 138365	141897 144718	139724	137223	141284	25.0 25.0	25.0 25.0	25.0	25.0	25.0
Toluene-d8 (Surr)	CBZ	Ave	732181 729980	713598 774864	701349	694705	734275	25.0 25.0	25.0 25.0	25.0	25.0	25.0
4-Bromofluorobenzene (Surr)	CBZ	Ave	215622 207276	209647 221534	205230	197926	210918	25.0 25.0	25.0 25.0	25.0	25.0	25.0

Curve Type Legend:

Ave = Average ISTD
Lin1 = Linear 1/conc ISTD
Qua = Quadratic ISTD

TestAmerica Buffalo
Target Compound Quantitation Report

Data File: \\Bufchrom\ChromData\HP5975D\20140225-29773.b\D9830.D
Lims ID: IC 0.4 Lab Sample ID:
Client ID:
Sample Type: IC Calib Level: 1
Inject. Date: 26-Feb-2014 00:41:30 ALS Bottle#: 2 Worklist Smp#: 5
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: IC 0.4
Misc. Info.: 480-0029773-005
Operator ID: CDC Instrument ID: HP5975D
Sublist: chrom-D-8260*sub13

Method: \\Bufchrom\ChromData\HP5975D\20140225-29773.b\D-8260.m
Limit Group: MV - 8260C ICAL
Last Update: 27-Feb-2014 02:28:10 Calib Date: 26-Feb-2014 02:46:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\Bufchrom\ChromData\HP5975D\20140225-29773.b\D9836.D

Column 1 : ZB-624 (0.25 mm) Det: MS SCAN
Process Host: XAWRK015

First Level Reviewer: cwiklinc Date: 26-Feb-2014 02:56:33

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	On-Col Amt ug/L	Flags
* 147 Fluorobenzene (IS)	96	4.837	4.837	0.0	98	704345	25.0	
* 2 Chlorobenzene-d5	82	7.160	7.160	0.0	88	271068	25.0	
* 3 1,4-Dichlorobenzene-d4	152	9.062	9.062	0.0	97	252479	25.0	
$ 148 Dibromofluoromethane (Surr)	113	4.355	4.355	0.0	80	219878	24.8	
$ 4 1,2-Dichloroethane-d4 (Surr)	67	4.605	4.605	0.0	0	142559	24.5	
$ 5 Toluene-d8 (Surr)	98	6.026	6.026	0.0	94	732181	24.5	
$ 6 4-Bromofluorobenzene (Surr)	174	8.111	8.111	0.0	86	215622	25.0	
10 Dichlorodifluoromethane	85		1.344					
12 Chloromethane	50		1.435					
13 Vinyl chloride	62	1.539	1.539	0.0	20	6533	0.4468	
144 Butadiene	54		1.557					
14 Bromomethane	94		1.807					
15 Chloroethane	64		1.898					
16 Dichlorofluoromethane	67		2.087					
17 Trichlorofluoromethane	101		2.118					
18 Ethyl ether	59		2.319					
20 Acrolein	56		2.459					
22 1,1-Dichloroethene	96		2.508					
21 1,1,2-Trichloro-1,2,2-trifluoroe	101		2.545					
23 Acetone	43		2.600					
25 Iodomethane	142		2.642					
26 Carbon disulfide	76		2.679					
28 3-Chloro-1-propene	41		2.831					
27 Methyl acetate	43		2.868					
30 Methylene Chloride	84		2.953					
31 2-Methyl-2-propanol	59		3.093					
32 Methyl tert-butyl ether	73		3.154					
34 trans-1,2-Dichloroethene	96		3.160					
33 Acrylonitrile	53		3.185					
35 Hexane	57		3.343					

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	On-Col Amt ug/L	Flags
39 1,1-Dichloroethane	63		3.508					
37 Vinyl acetate	43		3.557					
44 2,2-Dichloropropane	77		3.947					
45 cis-1,2-Dichloroethene	96		3.971					
43 2-Butanone (MEK)	43		3.996					
48 Chlorobromomethane	128		4.166					
49 Tetrahydrofuran	42		4.197					
50 Chloroform	83		4.227					
51 1,1,1-Trichloroethane	97		4.331					
52 Cyclohexane	56		4.349					
55 Carbon tetrachloride	117		4.453					
54 1,1-Dichloropropene	75		4.459					
53 Isobutyl alcohol	43		4.611					
57 Benzene	78		4.617					
58 1,2-Dichloroethane	62		4.660					
59 n-Heptane	43		4.776					
62 Trichloroethene	95		5.111					
64 Methylcyclohexane	83		5.221					
65 1,2-Dichloropropane	63		5.288					
67 Dibromomethane	93		5.398					
66 1,4-Dioxane	88		5.410					
68 Dichlorobromomethane	83		5.514					
69 2-Chloroethyl vinyl ether	63		5.727					
72 cis-1,3-Dichloropropene	75	5.843	5.843	0.0	49	6959	0.4640	
73 4-Methyl-2-pentanone (MIBK)	43		5.946					
74 Toluene	92		6.075					
77 trans-1,3-Dichloropropene	75	6.276	6.276	0.0	59	5656	0.4574	
75 Ethyl methacrylate	69		6.312					
79 1,1,2-Trichloroethane	83		6.422					
81 Tetrachloroethene	166		6.495					
82 1,3-Dichloropropane	76		6.550					
80 2-Hexanone	43		6.593					
83 Chlorodibromomethane	129		6.733					
84 Ethylene Dibromide	107		6.818					
87 Chlorobenzene	112		7.184					
88 Ethylbenzene	91		7.251					
89 1,1,1,2-Tetrachloroethane	131		7.257					
90 m-Xylene & p-Xylene	106		7.343					
91 o-Xylene	106		7.672					
92 Styrene	104		7.690					
95 Bromoform	173		7.873					
94 Isopropylbenzene	105		7.958					
101 Bromobenzene	156		8.239					
97 1,1,2,2-Tetrachloroethane	83		8.251					
100 1,2,3-Trichloropropane	110		8.287					
98 trans-1,4-Dichloro-2-butene	53		8.294					
99 N-Propylbenzene	91		8.294					
103 2-Chlorotoluene	126		8.385					
102 1,3,5-Trimethylbenzene	105		8.440					
105 4-Chlorotoluene	126		8.476					
106 tert-Butylbenzene	134		8.708					
107 1,2,4-Trimethylbenzene	105		8.751					

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	On-Col Amt ug/L	Flags
109 sec-Butylbenzene	105		8.885					
110 4-Isopropyltoluene	119		9.007					
111 1,3-Dichlorobenzene	146		9.007					
113 1,4-Dichlorobenzene	146		9.086					
115 n-Butylbenzene	91		9.348					
116 1,2-Dichlorobenzene	146		9.397					
117 1,2-Dibromo-3-Chloropropane	75		10.068					
119 1,2,4-Trichlorobenzene	180		10.744					
120 Hexachlorobutadiene	225	10.860	10.860	0.0	42	3377	0.4610	
121 Naphthalene	128		10.952					
122 1,2,3-Trichlorobenzene	180		11.153					
S 125 1,2-Dichloroethene, Total	1		30.000					
S 126 1,3-Dichloropropene, Total	1				0		0.9214	
S 123 Total BTEX	1		30.000					
S 124 Xylenes, Total	1		30.000					

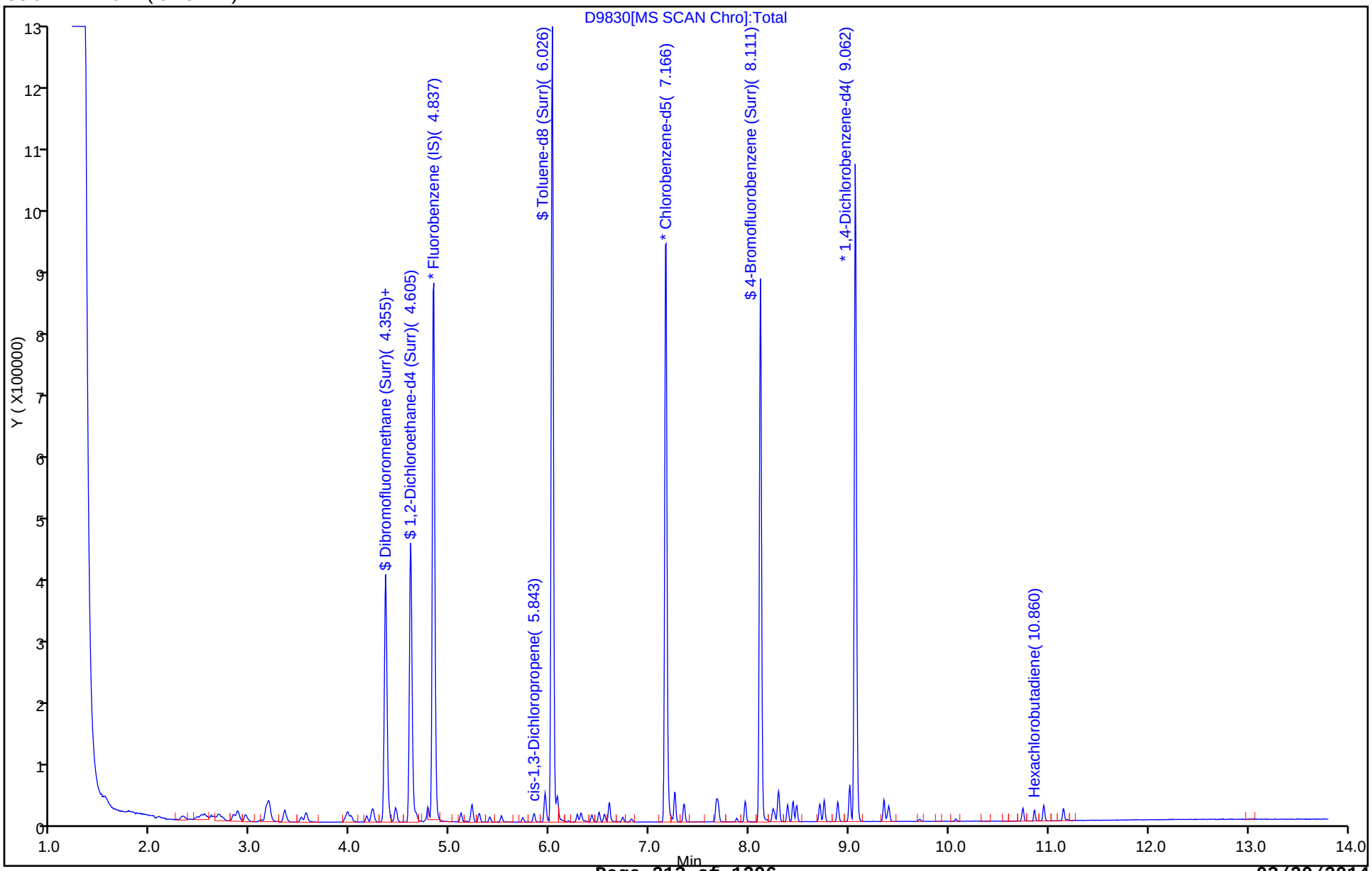
Report Date: 27-Feb-2014 02:28:10 Chrom Revision: 2.1 17-Feb-2014 09:05:58

TestAmerica Buffalo

Data File: \\Bufchrom\ChromData\HP5975D\20140225-29773.b\D9830.D

Injection Date:	26-Feb-2014 00:41:30	Instrument ID:	HP5975D	Operator ID:	CDC
Lims ID:	IC 0.4	Lab Sample ID:		Worklist Smp#:	5
Client ID:					
Purge Vol:	5.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	2
Method:	D-8260	Limit Group:	MV - 8260C ICAL		

Column: ZB-624 (0.25 mm)



TestAmerica Buffalo
Target Compound Quantitation Report

Data File: \\Bufchrom\ChromData\HP5975D\20140225-29773.b\D9831.D
Lims ID: IC Lab Sample ID:
Client ID:
Sample Type: IC Calib Level: 2
Inject. Date: 26-Feb-2014 01:02:30 ALS Bottle#: 3 Worklist Smp#: 6
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: IC
Misc. Info.: 480-0029773-006
Operator ID: CDC Instrument ID: HP5975D
Sublist: chrom-D-8260*sub13

Method: \\Bufchrom\ChromData\HP5975D\20140225-29773.b\D-8260.m
Limit Group: MV - 8260C ICAL
Last Update: 27-Feb-2014 02:28:22 Calib Date: 26-Feb-2014 02:46:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\Bufchrom\ChromData\HP5975D\20140225-29773.b\D9836.D

Column 1 : ZB-624 (0.25 mm) Det: MS SCAN
Process Host: XAWRK015

First Level Reviewer: cwiklinc Date: 26-Feb-2014 02:57:19

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	On-Col Amt ug/L	Flags
* 147 Fluorobenzene (IS)	96	4.831	4.837	-0.006	98	675320	25.0	
* 2 Chlorobenzene-d5	82	7.166	7.160	0.006	86	257517	25.0	
* 3 1,4-Dichlorobenzene-d4	152	9.062	9.062	0.0	96	243625	25.0	
$ 148 Dibromofluoromethane (Surr)	113	4.355	4.355	0.0	80	217259	25.6	
$ 4 1,2-Dichloroethane-d4 (Surr)	67	4.605	4.605	0.0	0	141897	25.5	
$ 5 Toluene-d8 (Surr)	98	6.026	6.026	0.0	94	713598	25.2	
$ 6 4-Bromofluorobenzene (Surr)	174	8.111	8.111	0.0	86	209647	25.6	
10 Dichlorodifluoromethane	85	1.337	1.344	-0.007	44	11516	1.05	
12 Chloromethane	50	1.429	1.435	-0.006	70	19057	1.19	
13 Vinyl chloride	62	1.526	1.539	-0.013	36	15362	1.10	
144 Butadiene	54	1.551	1.557	-0.006	90	15759	1.13	
14 Bromomethane	94	1.813	1.807	0.006	36	9491	0.9042	
15 Chloroethane	64	1.911	1.898	0.013	42	7483	1.08	
16 Dichlorofluoromethane	67	2.081	2.087	-0.006	26	18202	1.17	
17 Trichlorofluoromethane	101	2.051	2.118	-0.067	19	9826	0.99	
18 Ethyl ether	59	2.325	2.319	0.006	87	10418	1.09	
20 Acrolein	56	2.465	2.459	0.006	82	13219	5.90	
22 1,1-Dichloroethene	96	2.508	2.508	0.0	63	9707	1.12	
21 1,1,2-Trichloro-1,2,2-trifluoroe	101	2.545	2.545	0.0	32	9041	1.05	
23 Acetone	43	2.612	2.600	0.012	93	20963	6.53	
25 Iodomethane	142	2.642	2.642	0.0	75	15738	1.11	
26 Carbon disulfide	76	2.679	2.679	0.0	95	35902	1.14	
28 3-Chloro-1-propene	41	2.831	2.831	0.0	73	26885	1.21	
27 Methyl acetate	43	2.874	2.868	0.006	97	63329	5.79	
30 Methylene Chloride	84	2.947	2.953	-0.006	82	11683	1.14	
31 2-Methyl-2-propanol	59	3.105	3.093	0.012	76	12220	34.1	
32 Methyl tert-butyl ether	73	3.160	3.154	0.006	87	34241	1.11	
34 trans-1,2-Dichloroethene	96	3.154	3.160	-0.006	58	11259	1.14	
33 Acrylonitrile	53	3.185	3.185	0.0	100	57167	11.3	
35 Hexane	57	3.343	3.343	0.0	91	20405	1.14	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	On-Col Amt ug/L	Flags
39 1,1-Dichloroethane	63	3.508	3.508	0.0	53	22935	1.14	
37 Vinyl acetate	43	3.557	3.557	0.0	94	60024	2.24	
44 2,2-Dichloropropane	77	3.947	3.947	0.0	63	11576	1.22	
45 cis-1,2-Dichloroethene	96	3.971	3.971	0.0	63	11786	1.11	
43 2-Butanone (MEK)	43	4.008	3.996	0.012	94	33168	5.68	
48 Chlorobromomethane	128	4.166	4.166	0.0	72	5762	1.10	
49 Tetrahydrofuran	42	4.209	4.197	0.012	89	13189	2.37	
50 Chloroform	83	4.227	4.227	0.0	73	21354	1.21	
51 1,1,1-Trichloroethane	97	4.337	4.331	0.006	72	15703	1.17	
52 Cyclohexane	56	4.349	4.349	0.0	44	26064	1.14	
55 Carbon tetrachloride	117	4.453	4.453	0.0	65	13330	1.11	
54 1,1-Dichloropropene	75	4.459	4.459	0.0	79	13830	1.11	
53 Isobutyl alcohol	43	4.623	4.611	0.012	42	14987	30.3	
57 Benzene	78	4.617	4.617	0.0	81	41339	1.13	
58 1,2-Dichloroethane	62	4.660	4.660	0.0	74	15676	1.12	
59 n-Heptane	43	4.776	4.776	0.0	91	23234	1.17	
62 Trichloroethene	95	5.111	5.111	0.0	73	10371	1.11	
64 Methylcyclohexane	83	5.221	5.221	0.0	88	20368	1.14	
65 1,2-Dichloropropane	63	5.294	5.288	0.006	71	11121	1.09	
67 Dibromomethane	93	5.398	5.398	0.0	81	6345	1.09	
66 1,4-Dioxane	88	5.428	5.410	0.018	23	755	25.6	M
68 Dichlorobromomethane	83	5.514	5.514	0.0	69	13384	1.07	
69 2-Chloroethyl vinyl ether	63	5.727	5.727	0.0	69	6532	1.04	
72 cis-1,3-Dichloropropene	75	5.843	5.843	0.0	59	15063	1.05	
73 4-Methyl-2-pentanone (MIBK)	43	5.952	5.946	0.006	95	67418	5.32	
74 Toluene	92	6.074	6.075	0.0	89	22296	1.09	
77 trans-1,3-Dichloropropene	75	6.276	6.276	0.0	73	12228	1.04	
75 Ethyl methacrylate	69	6.312	6.312	0.0	81	12160	1.05	
79 1,1,2-Trichloroethane	83	6.422	6.422	0.0	62	6999	1.11	
81 Tetrachloroethene	166	6.495	6.495	0.0	91	9166	1.11	
82 1,3-Dichloropropane	76	6.550	6.550	0.0	85	13353	1.08	
80 2-Hexanone	43	6.593	6.593	0.0	95	46010	5.68	
83 Chlorodibromomethane	129	6.733	6.733	0.0	53	8994	1.04	
84 Ethylene Dibromide	107	6.818	6.818	0.0	55	8197	1.07	
87 Chlorobenzene	112	7.184	7.184	0.0	86	24241	1.11	
88 Ethylbenzene	91	7.251	7.251	0.0	92	44504	1.13	
89 1,1,1,2-Tetrachloroethane	131	7.257	7.257	0.0	22	9118	1.09	
90 m-Xylene & p-Xylene	106	7.342	7.343	-0.001	0	16408	1.11	
91 o-Xylene	106	7.672	7.672	0.0	91	16900	1.11	
92 Styrene	104	7.690	7.690	0.0	86	27159	1.09	
95 Bromoform	173	7.873	7.873	0.0	74	5769	1.03	
94 Isopropylbenzene	105	7.958	7.958	0.0	88	44133	1.06	
101 Bromobenzene	156	8.239	8.239	0.0	88	10533	1.09	
97 1,1,2,2-Tetrachloroethane	83	8.251	8.251	0.0	64	12942	1.05	
100 1,2,3-Trichloropropane	110	8.287	8.287	0.0	65	3845	1.12	
98 trans-1,4-Dichloro-2-butene	53	8.293	8.294	-0.001	60	4426	1.04	
99 N-Propylbenzene	91	8.293	8.294	-0.001	95	54962	1.09	
103 2-Chlorotoluene	126	8.385	8.385	0.0	89	10045	1.06	
102 1,3,5-Trimethylbenzene	105	8.440	8.440	0.0	77	37040	1.06	
105 4-Chlorotoluene	126	8.476	8.476	0.0	89	10602	1.11	
106 tert-Butylbenzene	134	8.708	8.708	0.0	79	6703	0.9564	
107 1,2,4-Trimethylbenzene	105	8.751	8.751	0.0	90	38760	1.07	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	On-Col Amt ug/L	Flags
109 sec-Butylbenzene	105	8.885	8.885	0.0	78	48143	1.06	
111 1,3-Dichlorobenzene	146	9.007	9.007	0.0	76	20935	1.10	
110 4-Isopropyltoluene	119	9.007	9.007	0.0	93	40844	1.06	
113 1,4-Dichlorobenzene	146	9.086	9.086	0.0	78	21201	1.10	
115 n-Butylbenzene	91	9.348	9.348	0.0	90	40780	1.08	
116 1,2-Dichlorobenzene	146	9.397	9.397	0.0	84	20930	1.10	
117 1,2-Dibromo-3-Chloropropane	75	10.074	10.068	0.006	13	2712	1.08	
119 1,2,4-Trichlorobenzene	180	10.744	10.744	0.0	81	15170	1.07	
120 Hexachlorobutadiene	225	10.860	10.860	0.0	67	7462	1.06	
121 Naphthalene	128	10.951	10.952	-0.001	85	40811	1.04	
122 1,2,3-Trichlorobenzene	180	11.153	11.153	0.0	79	14088	1.08	
S 123 Total BTEX	1				0		5.58	
S 124 Xylenes, Total	1				0		2.23	
S 125 1,2-Dichloroethene, Total	1				0		2.26	
S 126 1,3-Dichloropropene, Total	1				0		2.09	

QC Flag Legend

Review Flags
M - Manually Integrated

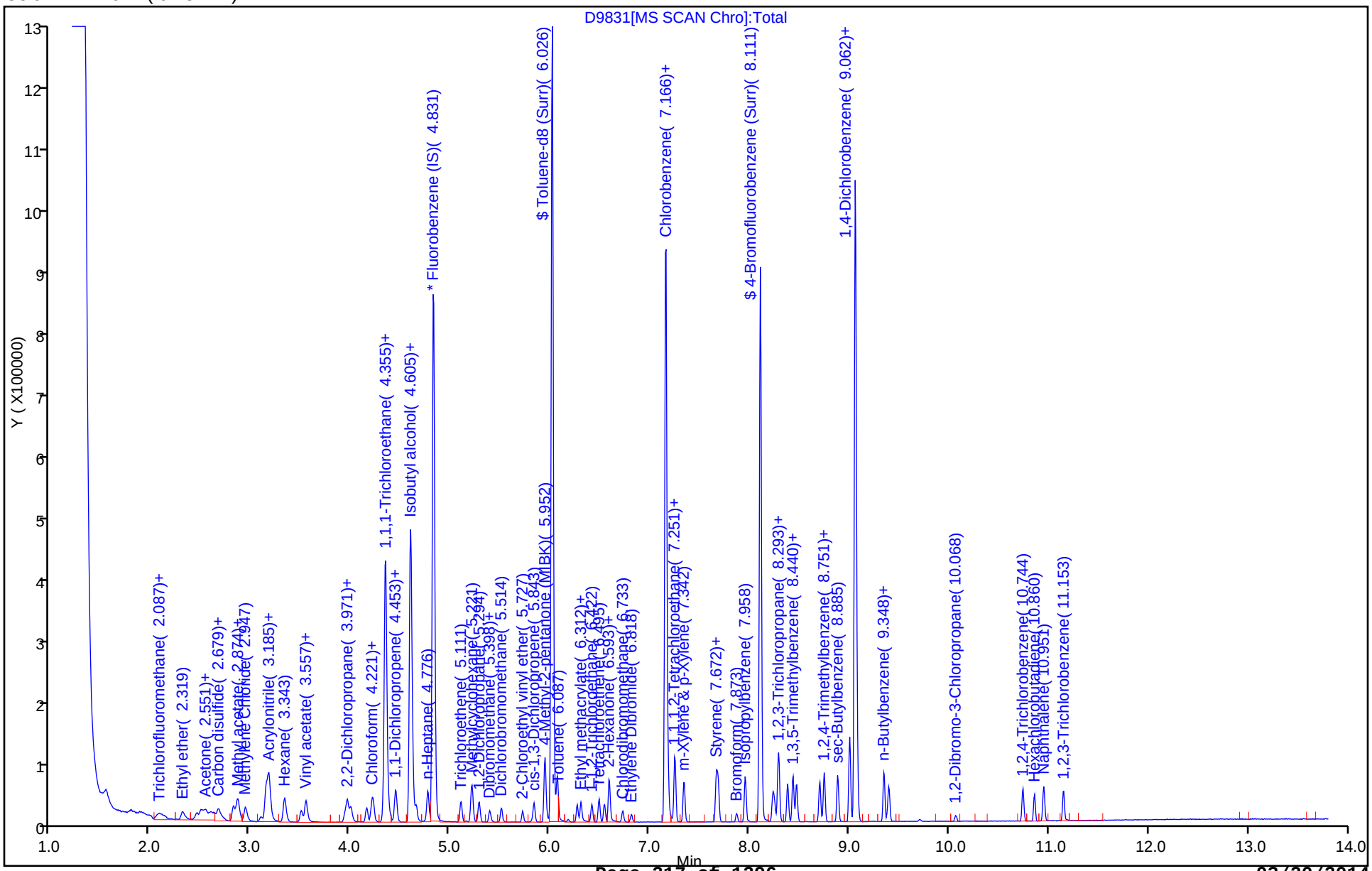
Report Date: 27-Feb-2014 02:28:23 Chrom Revision: 2.1 17-Feb-2014 09:05:58

TestAmerica Buffalo

Data File: \\Bufchrom\ChromData\HP5975D\20140225-29773.b\D9831.D

Injection Date:	26-Feb-2014 01:02:30	Instrument ID:	HP5975D	Operator ID:	CDC
Lims ID:	IC	Lab Sample ID:		Worklist Smp#:	6
Client ID:					
Purge Vol:	5.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	3
Method:	D-8260	Limit Group:	MV - 8260C ICAL		

Column: ZB-624 (0.25 mm)



Manual Integration/User Assign Peak Report

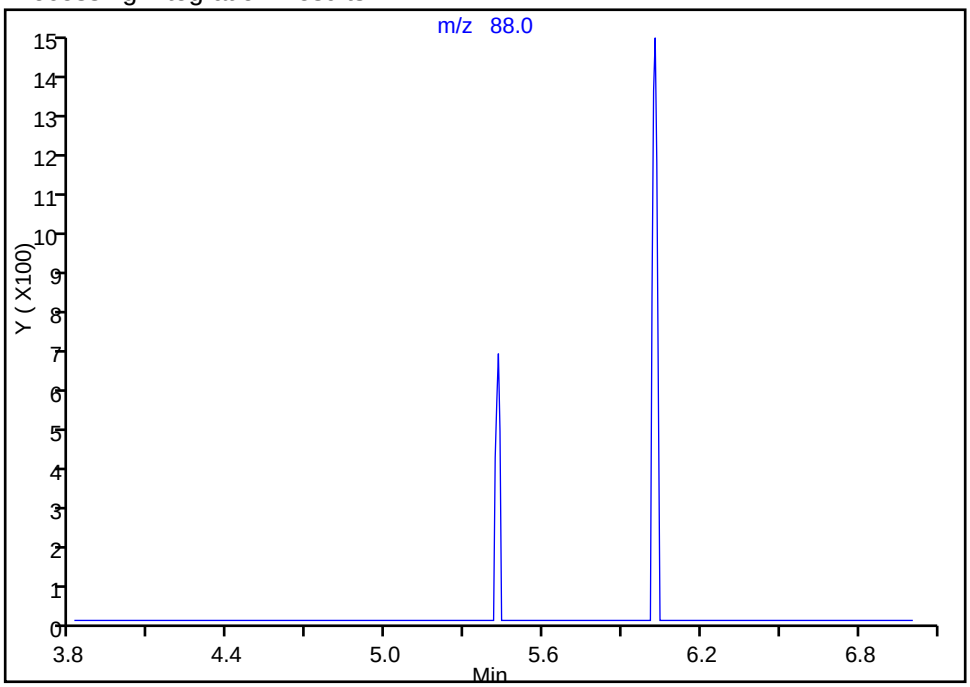
TestAmerica Buffalo

Data File: \\Bufchrom\ChromData\HP5975D\20140225-29773.b\D9831.D
Injection Date: 26-Feb-2014 01:02:30 Instrument ID: HP5975D
Lims ID: IC Lab Sample ID:
Client ID:
Operator ID: CDC ALS Bottle#: 3 Worklist Smp#: 6
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: D-8260 Limit Group: MV - 8260C ICAL
Column: ZB-624 (0.25 mm) Detector MS SCAN

66 1,4-Dioxane, CAS: 123-91-1

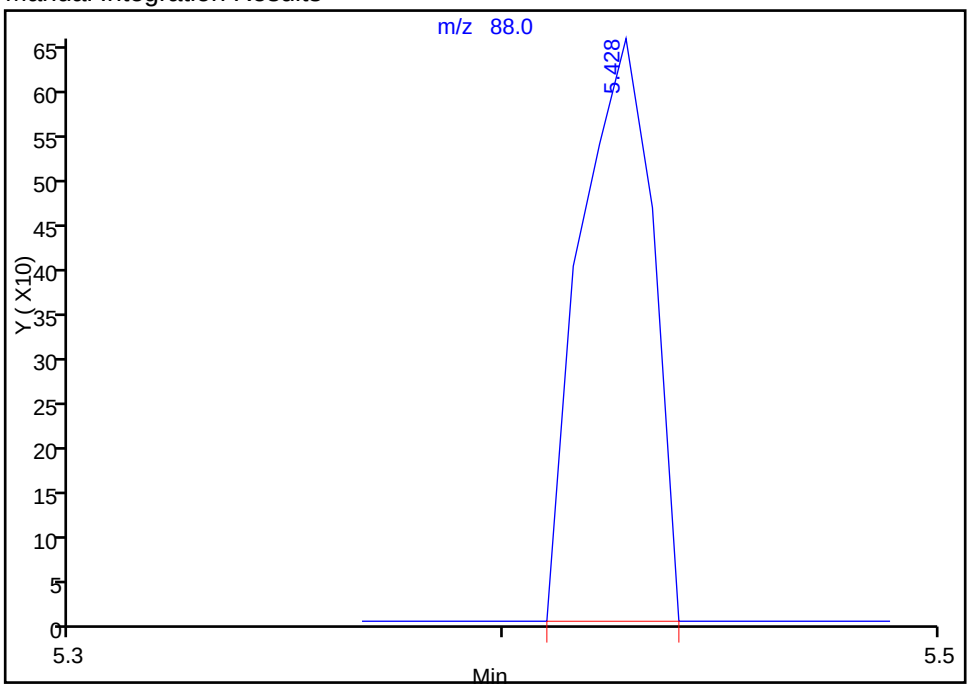
Not Detected
Expected RT: 5.41

Processing Integration Results



Manual Integration Results

RT: 5.43
Response: 755
Amount: 25.555968



Reviewer: cwiklinc, 26-Feb-2014 02:57:19
Audit Action: Manually Integrated
Audit Reason: Assign Peak

TestAmerica Buffalo
Target Compound Quantitation Report

Data File: \\Bufchrom\ChromData\HP5975D\20140225-29773.b\D9832.D
Lims ID: IC 2 Lab Sample ID:
Client ID:
Sample Type: IC Calib Level: 3
Inject. Date: 26-Feb-2014 01:22:30 ALS Bottle#: 4 Worklist Smp#: 7
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: IC 2
Misc. Info.: 480-0029773-007
Operator ID: CDC Instrument ID: HP5975D
Sublist: chrom-D-8260*sub13

Method: \\Bufchrom\ChromData\HP5975D\20140225-29773.b\D-8260.m
Limit Group: MV - 8260C ICAL
Last Update: 27-Feb-2014 02:28:43 Calib Date: 26-Feb-2014 02:46:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\Bufchrom\ChromData\HP5975D\20140225-29773.b\D9836.D

Column 1 : ZB-624 (0.25 mm) Det: MS SCAN
Process Host: XAWRK015

First Level Reviewer: cwiklinc Date: 26-Feb-2014 03:00:11

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	On-Col Amt ug/L	Flags
* 147 Fluorobenzene (IS)	96	4.837	4.837	0.0	98	684781	25.0	
* 2 Chlorobenzene-d5	82	7.160	7.160	0.0	90	258366	25.0	
* 3 1,4-Dichlorobenzene-d4	152	9.062	9.062	0.0	94	241389	25.0	
$ 148 Dibromofluoromethane (Surr)	113	4.355	4.355	0.0	83	216592	25.1	
$ 4 1,2-Dichloroethane-d4 (Surr)	67	4.605	4.605	0.0	0	139724	24.7	
$ 5 Toluene-d8 (Surr)	98	6.026	6.026	0.0	94	701349	24.6	
$ 6 4-Bromofluorobenzene (Surr)	174	8.111	8.111	0.0	86	205230	25.0	
10 Dichlorodifluoromethane	85	1.337	1.344	-0.007	78	55579	5.01	
12 Chloromethane	50	1.435	1.435	0.0	97	81568	5.01	
13 Vinyl chloride	62	1.526	1.539	-0.013	78	69757	4.91	
144 Butadiene	54	1.557	1.557	0.0	95	71039	5.02	
14 Bromomethane	94	1.807	1.807	0.0	79	33702	5.01	
15 Chloroethane	64	1.898	1.898	0.0	72	35684	5.06	
16 Dichlorofluoromethane	67	2.087	2.087	0.0	79	77617	4.93	
17 Trichlorofluoromethane	101	2.051	2.118	-0.067	78	48261	4.82	
18 Ethyl ether	59	2.319	2.319	0.0	95	46926	4.84	
20 Acrolein	56	2.459	2.459	0.0	90	52214	23.0	
22 1,1-Dichloroethene	96	2.508	2.508	0.0	80	43370	4.95	
21 1,1,2-Trichloro-1,2,2-trifluoroe	101	2.551	2.545	0.006	79	42972	4.93	
23 Acetone	43	2.599	2.600	-0.001	92	63096	19.4	
25 Iodomethane	142	2.642	2.642	0.0	97	72146	5.02	
26 Carbon disulfide	76	2.679	2.679	0.0	99	160147	5.02	
28 3-Chloro-1-propene	41	2.831	2.831	0.0	85	112409	4.99	
27 Methyl acetate	43	2.868	2.868	0.0	97	244205	22.0	
30 Methylene Chloride	84	2.953	2.953	0.0	91	51083	4.93	
31 2-Methyl-2-propanol	59	3.099	3.093	0.006	95	37750	53.1	M
32 Methyl tert-butyl ether	73	3.154	3.154	0.0	91	150041	4.80	
34 trans-1,2-Dichloroethene	96	3.160	3.160	0.0	90	49426	4.95	
33 Acrylonitrile	53	3.185	3.185	0.0	98	229566	44.7	
35 Hexane	57	3.343	3.343	0.0	95	89982	4.94	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	On-Col Amt ug/L	Flags
39 1,1-Dichloroethane	63	3.508	3.508	0.0	85	102127	4.99	
37 Vinyl acetate	43	3.557	3.557	0.0	97	256390	9.42	
44 2,2-Dichloropropane	77	3.947	3.947	0.0	90	49668	5.16	
45 cis-1,2-Dichloroethene	96	3.971	3.971	0.0	85	53094	4.95	
43 2-Butanone (MEK)	43	4.002	3.996	0.006	97	122857	20.7	
48 Chlorobromomethane	128	4.160	4.166	-0.006	86	25892	4.89	
49 Tetrahydrofuran	42	4.203	4.197	0.006	89	40101	8.49	
50 Chloroform	83	4.227	4.227	0.0	82	88388	4.93	
51 1,1,1-Trichloroethane	97	4.331	4.331	0.0	91	67676	4.95	
52 Cyclohexane	56	4.355	4.349	0.006	71	114409	4.96	
55 Carbon tetrachloride	117	4.453	4.453	0.0	73	61124	5.01	
54 1,1-Dichloropropene	75	4.459	4.459	0.0	89	63084	4.99	
53 Isobutyl alcohol	43	4.617	4.611	0.006	87	49756	99.1	
57 Benzene	78	4.617	4.617	0.0	92	182240	4.90	
58 1,2-Dichloroethane	62	4.660	4.660	0.0	89	69640	4.90	
59 n-Heptane	43	4.776	4.776	0.0	97	88423	4.40	
62 Trichloroethene	95	5.111	5.111	0.0	91	45672	4.80	
64 Methylcyclohexane	83	5.221	5.221	0.0	97	88991	4.90	
65 1,2-Dichloropropane	63	5.294	5.288	0.006	92	50040	4.82	
67 Dibromomethane	93	5.398	5.398	0.0	86	28098	4.74	
66 1,4-Dioxane	88	5.416	5.410	0.006	1	3670	72.6	M
68 Dichlorobromomethane	83	5.514	5.514	0.0	88	60301	4.75	
69 2-Chloroethyl vinyl ether	63	5.727	5.727	0.0	86	28199	4.41	
72 cis-1,3-Dichloropropene	75	5.843	5.843	0.0	82	65561	4.50	
73 4-Methyl-2-pentanone (MIBK)	43	5.952	5.946	0.006	98	291099	22.9	
74 Toluene	92	6.074	6.075	0.0	95	99616	4.87	
77 trans-1,3-Dichloropropene	75	6.276	6.276	0.0	92	54580	4.63	
75 Ethyl methacrylate	69	6.312	6.312	0.0	91	55064	4.75	
79 1,1,2-Trichloroethane	83	6.422	6.422	0.0	87	30101	4.75	
81 Tetrachloroethene	166	6.495	6.495	0.0	88	39956	4.82	
82 1,3-Dichloropropane	76	6.550	6.550	0.0	95	59067	4.76	
80 2-Hexanone	43	6.593	6.593	0.0	98	191791	23.6	
83 Chlorodibromomethane	129	6.733	6.733	0.0	81	40057	4.62	
84 Ethylene Dibromide	107	6.818	6.818	0.0	92	36683	4.76	
87 Chlorobenzene	112	7.184	7.184	0.0	92	107232	4.89	
88 Ethylbenzene	91	7.251	7.251	0.0	99	194761	4.94	
89 1,1,1,2-Tetrachloroethane	131	7.257	7.257	0.0	39	41312	4.93	
90 m-Xylene & p-Xylene	106	7.349	7.343	0.005	0	73088	4.93	
91 o-Xylene	106	7.672	7.672	0.0	96	75410	4.95	
92 Styrene	104	7.690	7.690	0.0	95	121856	4.89	
95 Bromoform	173	7.873	7.873	0.0	90	26160	4.65	
94 Isopropylbenzene	105	7.958	7.958	0.0	96	199870	4.84	
101 Bromobenzene	156	8.239	8.239	0.0	95	45957	4.79	
97 1,1,2,2-Tetrachloroethane	83	8.251	8.251	0.0	83	58212	4.78	
100 1,2,3-Trichloropropane	110	8.287	8.287	0.0	85	16235	4.76	
98 trans-1,4-Dichloro-2-butene	53	8.293	8.294	-0.001	66	19234	4.56	
99 N-Propylbenzene	91	8.293	8.294	-0.001	98	243705	4.86	
103 2-Chlorotoluene	126	8.385	8.385	0.0	95	45614	4.85	
102 1,3,5-Trimethylbenzene	105	8.440	8.440	0.0	74	167779	4.84	
105 4-Chlorotoluene	126	8.476	8.476	0.0	97	46232	4.87	
106 tert-Butylbenzene	134	8.708	8.708	0.0	87	32754	4.72	
107 1,2,4-Trimethylbenzene	105	8.751	8.751	0.0	97	174504	4.85	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	On-Col Amt ug/L	Flags
109 sec-Butylbenzene	105	8.885	8.885	0.0	93	214625	4.78	
110 4-Isopropyltoluene	119	9.007	9.007	0.0	96	184941	4.86	
111 1,3-Dichlorobenzene	146	9.007	9.007	0.0	95	91752	4.88	
113 1,4-Dichlorobenzene	146	9.086	9.086	0.0	92	92883	4.88	
115 n-Butylbenzene	91	9.348	9.348	0.0	97	180447	4.84	
116 1,2-Dichlorobenzene	146	9.397	9.397	0.0	95	91514	4.84	
117 1,2-Dibromo-3-Chloropropane	75	10.067	10.068	-0.001	59	11111	4.47	
119 1,2,4-Trichlorobenzene	180	10.744	10.744	0.0	92	66995	4.78	
120 Hexachlorobutadiene	225	10.860	10.860	0.0	90	33004	4.71	
121 Naphthalene	128	10.951	10.952	-0.001	97	184303	4.72	
122 1,2,3-Trichlorobenzene	180	11.153	11.153	0.0	93	62525	4.82	
S 125 1,2-Dichloroethene, Total	1				0		9.90	
S 126 1,3-Dichloropropene, Total	1				0		9.13	
S 123 Total BTEX	1				0		24.6	
S 124 Xylenes, Total	1				0		9.89	

QC Flag Legend

Review Flags
M - Manually Integrated

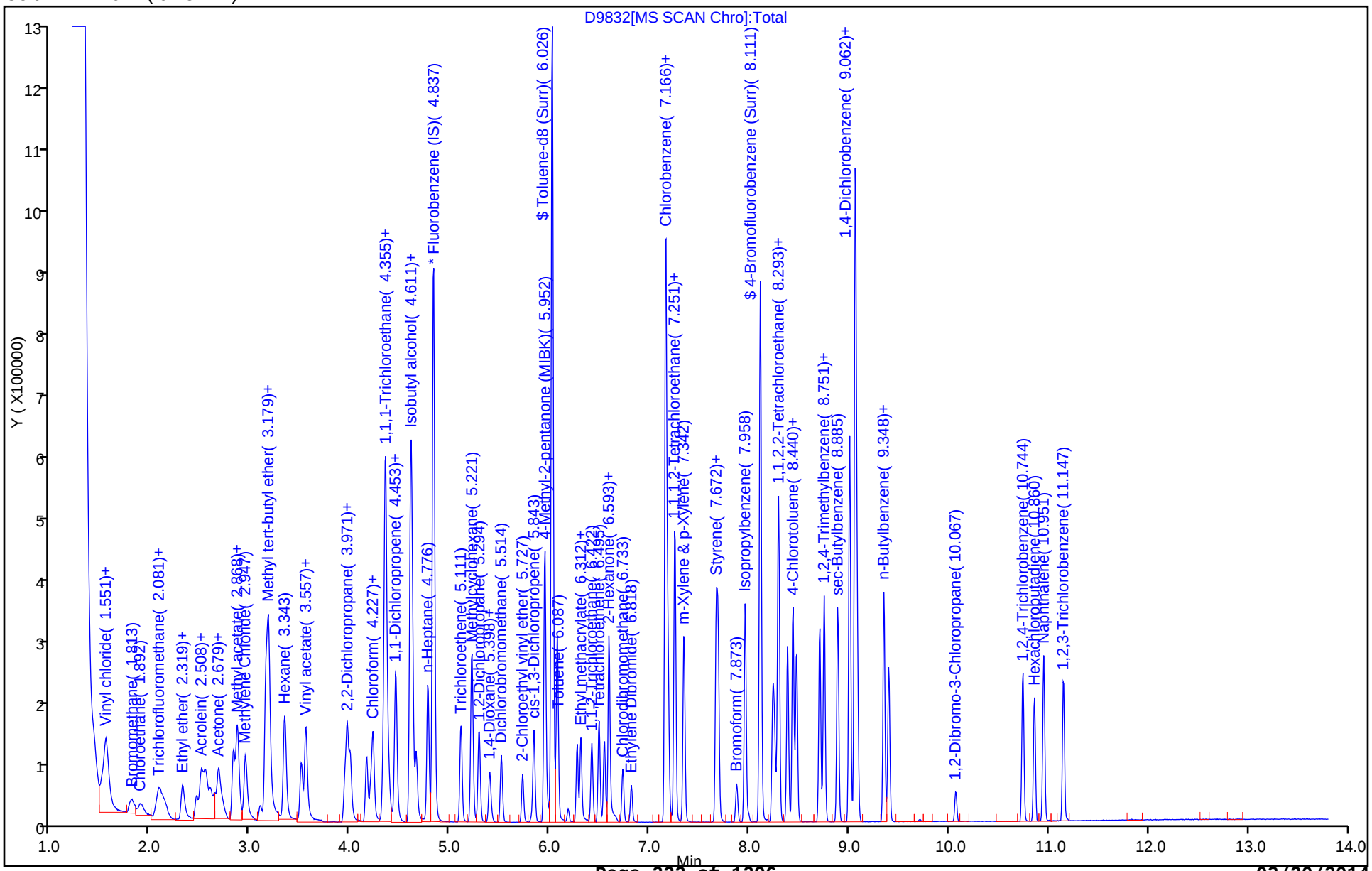
Report Date: 27-Feb-2014 02:28:44 Chrom Revision: 2.1 17-Feb-2014 09:05:58

TestAmerica Buffalo

Data File: \\Bufchrom\ChromData\HP5975D\20140225-29773.b\D9832.D

Injection Date:	26-Feb-2014 01:22:30	Instrument ID:	HP5975D	Operator ID:	CDC
Lims ID:	IC 2	Lab Sample ID:		Worklist Smp#:	7
Client ID:					
Purge Vol:	5.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	4
Method:	D-8260	Limit Group:	MV - 8260C ICAL		

Column: ZB-624 (0.25 mm)



Manual Integration/User Assign Peak Report

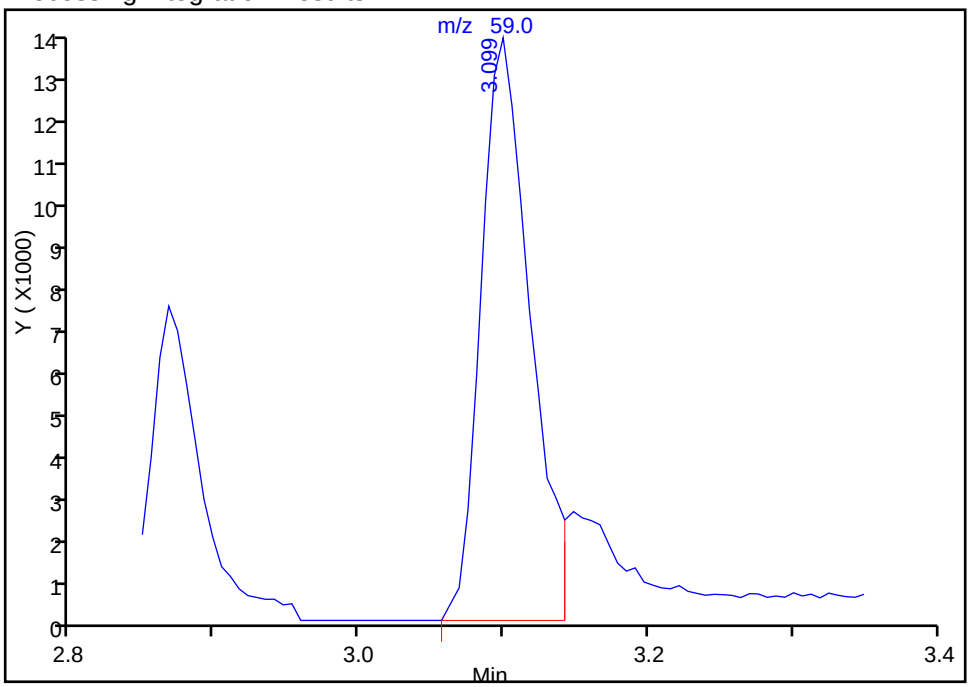
TestAmerica Buffalo

Data File: \\Bufchrom\ChromData\HP5975D\20140225-29773.b\D9832.D
Injection Date: 26-Feb-2014 01:22:30 Instrument ID: HP5975D
Lims ID: IC 2 Lab Sample ID:
Client ID:
Operator ID: CDC ALS Bottle#: 4 Worklist Smp#: 7
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: D-8260 Limit Group: MV - 8260C ICAL
Column: ZB-624 (0.25 mm) Detector MS SCAN

31 2-Methyl-2-propanol, CAS: 75-65-0

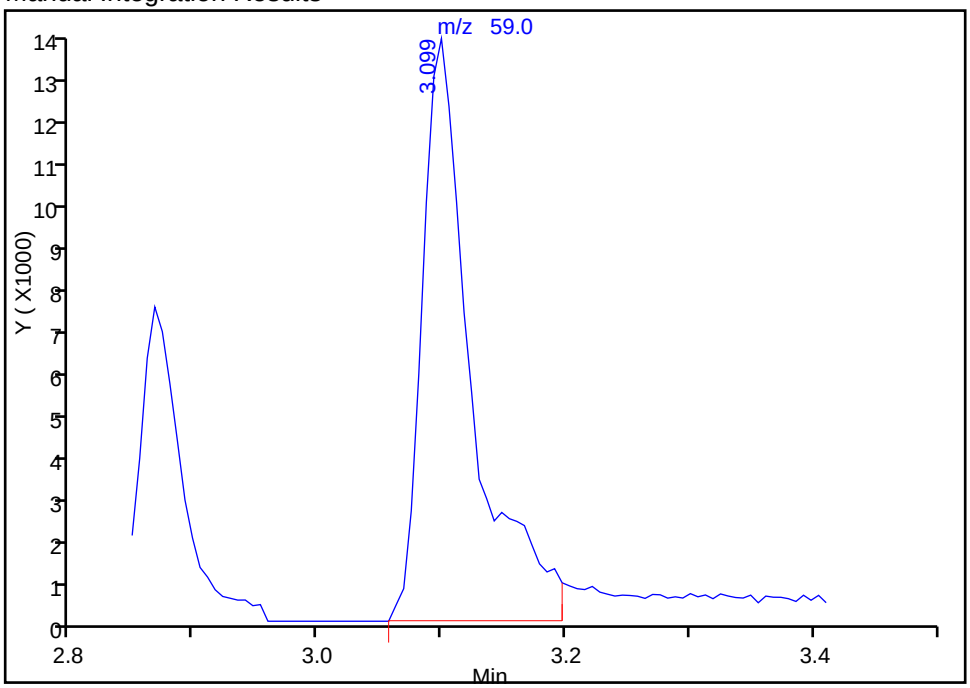
Processing Integration Results

RT: 3.10
Response: 32086
Amount: 46.322530



Manual Integration Results

RT: 3.10
Response: 37750
Amount: 53.113648



Reviewer: BrandtT, 26-Feb-2014 15:02:27
Audit Action: Manually Integrated
Audit Reason: Peak Tail

Manual Integration/User Assign Peak Report

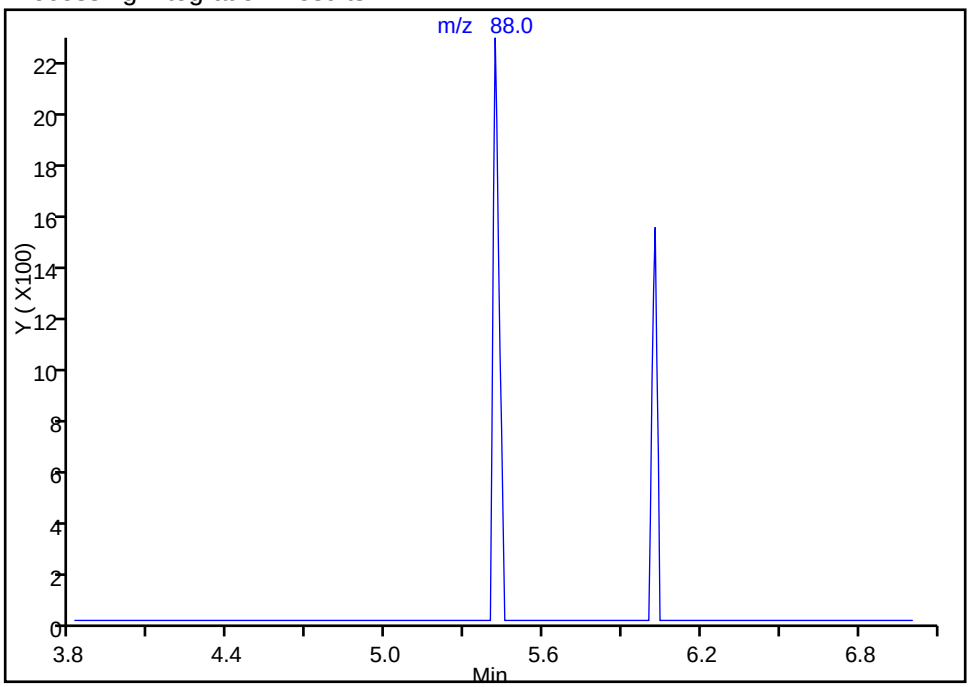
TestAmerica Buffalo

Data File: \\Bufchrom\ChromData\HP5975D\20140225-29773.b\D9832.D
Injection Date: 26-Feb-2014 01:22:30 Instrument ID: HP5975D
Lims ID: IC 2 Lab Sample ID:
Client ID:
Operator ID: CDC ALS Bottle#: 4 Worklist Smp#: 7
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: D-8260 Limit Group: MV - 8260C ICAL
Column: ZB-624 (0.25 mm) Detector MS SCAN

66 1,4-Dioxane, CAS: 123-91-1

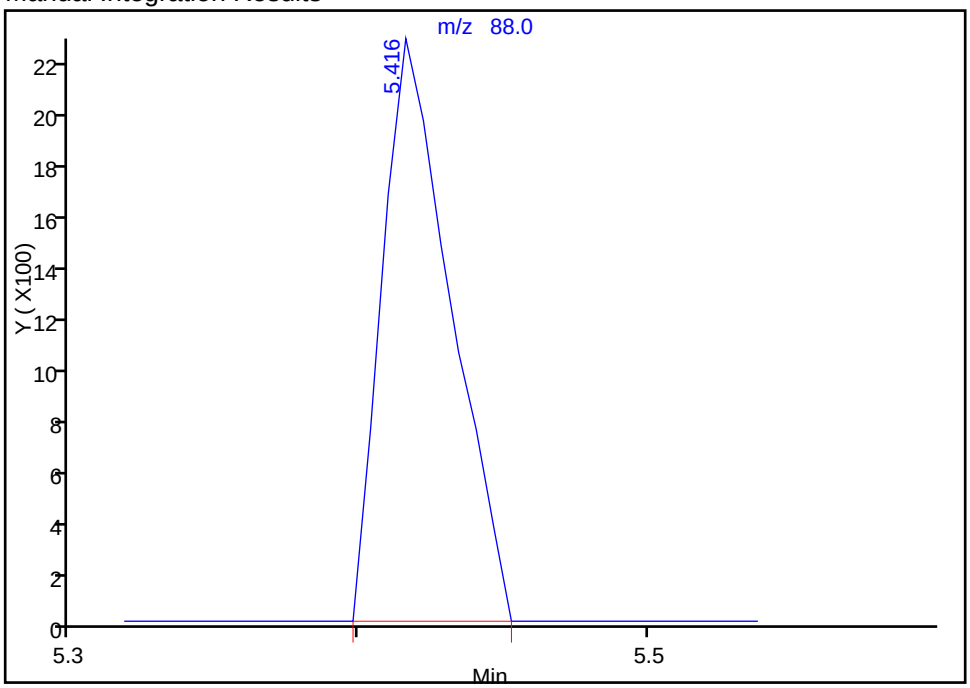
Not Detected
Expected RT: 5.41

Processing Integration Results



Manual Integration Results

RT: 5.42
Response: 3670
Amount: 72.637344



Reviewer: cwiklinc, 26-Feb-2014 03:00:11
Audit Action: Manually Integrated
Audit Reason: Assign Peak

TestAmerica Buffalo
Target Compound Quantitation Report

Data File: \\Bufchrom\ChromData\HP5975D\20140225-29773.b\D9833.D
Lims ID: IC 3 Lab Sample ID:
Client ID:
Sample Type: IC Calib Level: 4
Inject. Date: 26-Feb-2014 01:43:30 ALS Bottle#: 5 Worklist Smp#: 8
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: IC 3
Misc. Info.: 480-0029773-008
Operator ID: CDC Instrument ID: HP5975D
Sublist: chrom-D-8260*sub13

Method: \\Bufchrom\ChromData\HP5975D\20140225-29773.b\D-8260.m
Limit Group: MV - 8260C ICAL
Last Update: 27-Feb-2014 02:29:08 Calib Date: 26-Feb-2014 02:46:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\Bufchrom\ChromData\HP5975D\20140225-29773.b\D9836.D

Column 1 : ZB-624 (0.25 mm) Det: MS SCAN
Process Host: XAWRK015

First Level Reviewer: BrandtT Date: 26-Feb-2014 15:03:13

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	On-Col Amt ug/L	Flags
* 147 Fluorobenzene (IS)	96	4.837	4.837	0.0	98	658631	25.0	
* 2 Chlorobenzene-d5	82	7.160	7.160	0.0	89	244855	25.0	
* 3 1,4-Dichlorobenzene-d4	152	9.062	9.062	0.0	89	231895	25.0	
$ 148 Dibromofluoromethane (Surr)	113	4.355	4.355	0.0	82	210678	25.4	
$ 4 1,2-Dichloroethane-d4 (Surr)	67	4.605	4.605	0.0	0	137223	25.3	
$ 5 Toluene-d8 (Surr)	98	6.026	6.026	0.0	94	694705	25.8	
$ 6 4-Bromofluorobenzene (Surr)	174	8.111	8.111	0.0	86	197926	25.4	
10 Dichlorodifluoromethane	85	1.338	1.338	0.0	82	110795	10.4	
12 Chloromethane	50	1.435	1.435	0.0	89	157065	10.0	
13 Vinyl chloride	62	1.533	1.533	0.0	72	136780	10.0	
144 Butadiene	54	1.557	1.557	0.0	94	137617	10.1	
14 Bromomethane	94	1.813	1.813	0.0	87	63352	10.5	
15 Chloroethane	64	1.905	1.905	0.0	92	69311	10.2	
16 Dichlorofluoromethane	67	2.081	2.081	0.0	81	152337	10.1	
17 Trichlorofluoromethane	101	2.112	2.112	0.0	66	96754	10.0	
18 Ethyl ether	59	2.319	2.319	0.0	97	92663	9.93	
20 Acrolein	56	2.465	2.465	0.0	93	105400	48.2	
22 1,1-Dichloroethene	96	2.508	2.508	0.0	80	83993	9.97	
21 1,1,2-Trichloro-1,2,2-trifluoroe	101	2.545	2.545	0.0	82	86145	10.3	
23 Acetone	43	2.606	2.606	0.0	97	136389	43.6	
25 Iodomethane	142	2.642	2.642	0.0	98	136861	9.90	
26 Carbon disulfide	76	2.685	2.685	0.0	100	301397	9.82	
28 3-Chloro-1-propene	41	2.831	2.831	0.0	87	210377	9.70	
27 Methyl acetate	43	2.868	2.868	0.0	97	495212	46.4	
30 Methylene Chloride	84	2.953	2.953	0.0	93	99676	10.0	
31 2-Methyl-2-propanol	59	3.099	3.099	0.0	98	78926	86.6	
32 Methyl tert-butyl ether	73	3.154	3.154	0.0	92	302012	10.0	
34 trans-1,2-Dichloroethene	96	3.160	3.160	0.0	91	95366	9.93	
33 Acrylonitrile	53	3.185	3.185	0.0	99	470487	95.3	
35 Hexane	57	3.343	3.343	0.0	95	174440	9.97	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	On-Col Amt ug/L	Flags
39 1,1-Dichloroethane	63	3.508	3.508	0.0	85	193163	9.81	
37 Vinyl acetate	43	3.557	3.557	0.0	97	496877	19.0	
44 2,2-Dichloropropane	77	3.953	3.953	0.0	88	93425	10.1	
45 cis-1,2-Dichloroethene	96	3.971	3.971	0.0	87	102360	9.92	
43 2-Butanone (MEK)	43	4.002	4.002	0.0	98	246668	43.3	
48 Chlorobromomethane	128	4.166	4.166	0.0	89	50040	9.83	
49 Tetrahydrofuran	42	4.203	4.203	0.0	91	80163	18.4	
50 Chloroform	83	4.227	4.227	0.0	82	168543	9.78	
51 1,1,1-Trichloroethane	97	4.331	4.331	0.0	92	129324	9.84	
52 Cyclohexane	56	4.349	4.349	0.0	77	221267	9.97	
55 Carbon tetrachloride	117	4.453	4.453	0.0	78	115995	9.88	
54 1,1-Dichloropropene	75	4.459	4.459	0.0	91	118547	9.75	
53 Isobutyl alcohol	43	4.611	4.611	0.0	91	101466	210.0	
57 Benzene	78	4.617	4.617	0.0	94	348236	9.73	
58 1,2-Dichloroethane	62	4.660	4.660	0.0	88	133621	9.77	
59 n-Heptane	43	4.776	4.776	0.0	97	189627	9.81	
62 Trichloroethene	95	5.111	5.111	0.0	93	88903	9.72	
64 Methylcyclohexane	83	5.221	5.221	0.0	98	171978	9.84	
65 1,2-Dichloropropane	63	5.288	5.288	0.0	92	97190	9.73	
67 Dibromomethane	93	5.398	5.398	0.0	87	55088	9.66	
66 1,4-Dioxane	88	5.416	5.416	0.0	86	9916	182.5	
68 Dichlorobromomethane	83	5.514	5.514	0.0	91	118049	9.67	
69 2-Chloroethyl vinyl ether	63	5.727	5.727	0.0	90	57740	9.39	
72 cis-1,3-Dichloropropene	75	5.843	5.843	0.0	85	128898	9.19	
73 4-Methyl-2-pentanone (MIBK)	43	5.946	5.946	0.0	98	586243	48.7	
74 Toluene	92	6.074	6.074	0.0	96	193602	10.0	
77 trans-1,3-Dichloropropene	75	6.276	6.276	0.0	93	106533	9.54	
75 Ethyl methacrylate	69	6.312	6.312	0.0	92	110284	10.0	
79 1,1,2-Trichloroethane	83	6.422	6.422	0.0	93	59181	9.86	
81 Tetrachloroethene	166	6.495	6.495	0.0	90	78308	9.96	
82 1,3-Dichloropropane	76	6.550	6.550	0.0	97	114940	9.78	
80 2-Hexanone	43	6.593	6.593	0.0	99	379721	49.3	
83 Chlorodibromomethane	129	6.733	6.733	0.0	89	78494	9.56	
84 Ethylene Dibromide	107	6.818	6.818	0.0	97	72292	9.90	
87 Chlorobenzene	112	7.184	7.184	0.0	92	204954	9.86	
88 Ethylbenzene	91	7.251	7.251	0.0	99	372620	9.98	
89 1,1,1,2-Tetrachloroethane	131	7.257	7.257	0.0	40	79141	9.97	
90 m-Xylene & p-Xylene	106	7.349	7.349	0.0	0	138643	9.88	
91 o-Xylene	106	7.672	7.672	0.0	96	145273	10.1	
92 Styrene	104	7.690	7.690	0.0	95	236291	10.0	
95 Bromoform	173	7.873	7.873	0.0	95	52144	9.79	
94 Isopropylbenzene	105	7.958	7.958	0.0	96	387208	9.75	
101 Bromobenzene	156	8.239	8.239	0.0	95	88746	9.63	
97 1,1,2,2-Tetrachloroethane	83	8.251	8.251	0.0	88	116095	9.92	
100 1,2,3-Trichloropropane	110	8.287	8.287	0.0	83	31591	9.63	
98 trans-1,4-Dichloro-2-butene	53	8.294	8.294	0.0	70	39211	9.68	
99 N-Propylbenzene	91	8.294	8.294	0.0	98	473663	9.83	
103 2-Chlorotoluene	126	8.385	8.385	0.0	95	89624	9.91	
102 1,3,5-Trimethylbenzene	105	8.440	8.440	0.0	74	326123	9.79	
105 4-Chlorotoluene	126	8.476	8.476	0.0	97	88025	9.65	
106 tert-Butylbenzene	134	8.708	8.708	0.0	92	65727	9.85	
107 1,2,4-Trimethylbenzene	105	8.751	8.751	0.0	98	340124	9.83	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	On-Col Amt ug/L	Flags
109 sec-Butylbenzene	105	8.885	8.885	0.0	94	422486	9.80	
111 1,3-Dichlorobenzene	146	9.007	9.007	0.0	70	178897	9.91	
110 4-Isopropyltoluene	119	9.007	9.007	0.0	97	362124	9.90	
113 1,4-Dichlorobenzene	146	9.086	9.086	0.0	92	178073	9.74	
115 n-Butylbenzene	91	9.348	9.348	0.0	98	354765	9.90	
116 1,2-Dichlorobenzene	146	9.397	9.397	0.0	95	181768	10.0	
117 1,2-Dibromo-3-Chloropropane	75	10.068	10.068	0.0	67	23422	9.81	
119 1,2,4-Trichlorobenzene	180	10.744	10.744	0.0	94	136452	10.1	
120 Hexachlorobutadiene	225	10.860	10.860	0.0	95	65617	9.75	
121 Naphthalene	128	10.952	10.952	0.0	97	378717	10.1	
122 1,2,3-Trichlorobenzene	180	11.153	11.153	0.0	92	126536	10.2	
S 123 Total BTEX	1				0		49.7	
S 124 Xylenes, Total	1				0		19.9	
S 125 1,2-Dichloroethene, Total	1				0		19.8	
S 126 1,3-Dichloropropene, Total	1				0		18.7	

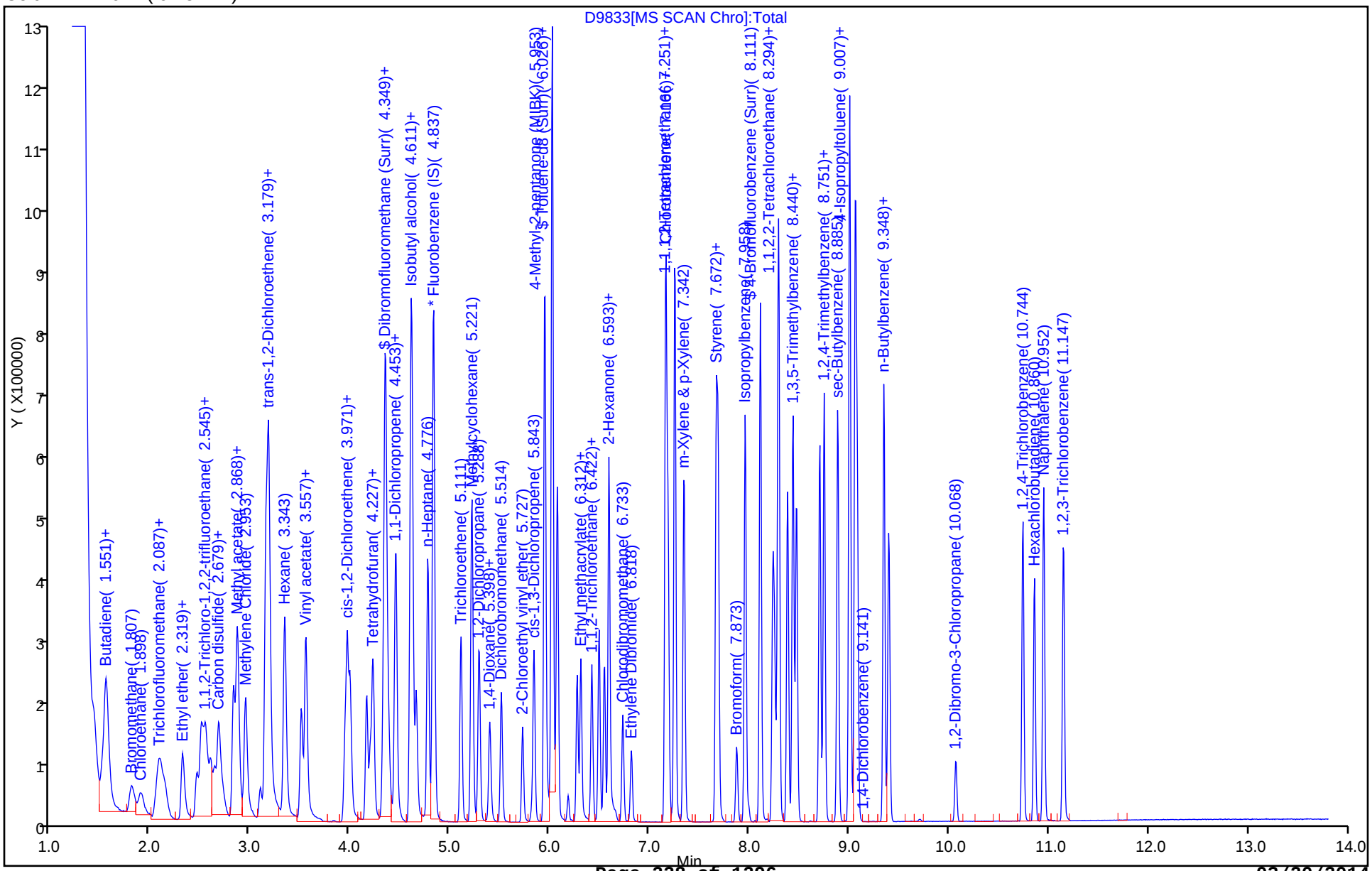
Report Date: 27-Feb-2014 02:29:09 Chrom Revision: 2.1 17-Feb-2014 09:05:58

TestAmerica Buffalo

Data File: \\Bufchrom\ChromData\HP5975D\20140225-29773.b\D9833.D

Injection Date:	26-Feb-2014 01:43:30	Instrument ID:	HP5975D	Operator ID:	CDC
Lims ID:	IC 3	Lab Sample ID:		Worklist Smp#:	8
Client ID:					
Purge Vol:	5.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	5
Method:	D-8260	Limit Group:	MV - 8260C ICAL		

Column: ZB-624 (0.25 mm)



TestAmerica Buffalo
Target Compound Quantitation Report

Data File: \\Bufchrom\ChromData\HP5975D\20140225-29773.b\D9834.D
Lims ID: ICIS 4 Lab Sample ID:
Client ID:
Sample Type: ICIS Calib Level: 5
Inject. Date: 26-Feb-2014 02:04:30 ALS Bottle#: 6 Worklist Smp#: 9
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: ICIS 4
Misc. Info.: 480-0029773-009
Operator ID: CDC Instrument ID: HP5975D
Sublist: chrom-D-8260*sub13

Method: \\Bufchrom\ChromData\HP5975D\20140225-29773.b\D-8260.m
Limit Group: MV - 8260C ICAL
Last Update: 27-Feb-2014 02:29:36 Calib Date: 26-Feb-2014 02:46:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\Bufchrom\ChromData\HP5975D\20140225-29773.b\D9836.D

Column 1 : ZB-624 (0.25 mm) Det: MS SCAN
Process Host: XAWRK015

First Level Reviewer: BrandtT Date: 26-Feb-2014 15:03:48

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	On-Col Amt ug/L	Flags
* 147 Fluorobenzene (IS)	96	4.837	4.837	0.0	97	670928	25.0	
* 2 Chlorobenzene-d5	82	7.160	7.160	0.0	88	264783	25.0	
* 3 1,4-Dichlorobenzene-d4	152	9.062	9.062	0.0	71	237856	25.0	
$ 148 Dibromofluoromethane (Surr)	113	4.355	4.355	0.0	62	214300	25.4	
$ 4 1,2-Dichloroethane-d4 (Surr)	67	4.605	4.605	0.0	0	141284	25.5	
$ 5 Toluene-d8 (Surr)	98	6.026	6.026	0.0	93	734275	25.2	
$ 6 4-Bromofluorobenzene (Surr)	174	8.111	8.111	0.0	86	210918	25.0	
10 Dichlorodifluoromethane	85	1.344	1.344	0.0	87	279564	25.7	
12 Chloromethane	50	1.435	1.435	0.0	89	393902	24.7	
13 Vinyl chloride	62	1.539	1.539	0.0	82	342550	24.6	
144 Butadiene	54	1.557	1.557	0.0	94	346883	25.0	
14 Bromomethane	94	1.807	1.807	0.0	91	157043	26.6	
15 Chloroethane	64	1.898	1.898	0.0	94	173948	25.2	
16 Dichlorofluoromethane	67	2.087	2.087	0.0	83	382175	24.8	
17 Trichlorofluoromethane	101	2.118	2.118	0.0	86	257017	26.2	
18 Ethyl ether	59	2.319	2.319	0.0	97	241933	25.5	
20 Acrolein	56	2.459	2.459	0.0	93	277178	124.5	
22 1,1-Dichloroethene	96	2.508	2.508	0.0	80	214067	25.0	
21 1,1,2-Trichloro-1,2,2-trifluoroe	101	2.545	2.545	0.0	85	216841	25.4	
23 Acetone	43	2.600	2.600	0.0	98	381652	119.7	
25 Iodomethane	142	2.642	2.642	0.0	98	352211	25.0	
26 Carbon disulfide	76	2.679	2.679	0.0	100	772413	24.7	
28 3-Chloro-1-propene	41	2.831	2.831	0.0	87	547535	24.8	
27 Methyl acetate	43	2.868	2.868	0.0	98	1399310	128.7	
30 Methylene Chloride	84	2.953	2.953	0.0	93	253011	24.9	
31 2-Methyl-2-propanol	59	3.093	3.093	0.0	99	225626	201.9	
32 Methyl tert-butyl ether	73	3.154	3.154	0.0	91	782059	25.5	
34 trans-1,2-Dichloroethene	96	3.160	3.160	0.0	91	247913	25.3	
33 Acrylonitrile	53	3.185	3.185	0.0	98	1260886	250.8	
35 Hexane	57	3.343	3.343	0.0	95	443479	24.9	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	On-Col Amt ug/L	Flags
39 1,1-Dichloroethane	63	3.508	3.508	0.0	85	507462	25.3	
37 Vinyl acetate	43	3.557	3.557	0.0	97	1355301	50.8	
44 2,2-Dichloropropane	77	3.947	3.947	0.0	93	236046	25.0	
45 cis-1,2-Dichloroethene	96	3.971	3.971	0.0	73	266006	25.3	
43 2-Butanone (MEK)	43	3.996	3.996	0.0	93	749726	129.2	
48 Chlorobromomethane	128	4.166	4.166	0.0	91	131795	25.4	
49 Tetrahydrofuran	42	4.197	4.197	0.0	92	221258	51.0	
50 Chloroform	83	4.227	4.227	0.0	82	434341	24.7	
51 1,1,1-Trichloroethane	97	4.331	4.331	0.0	91	337123	25.2	
52 Cyclohexane	56	4.349	4.349	0.0	94	566441	25.0	
55 Carbon tetrachloride	117	4.453	4.453	0.0	78	301552	25.2	
54 1,1-Dichloropropene	75	4.459	4.459	0.0	92	313746	25.3	
53 Isobutyl alcohol	43	4.611	4.611	0.0	92	304472	618.7	
57 Benzene	78	4.617	4.617	0.0	97	919577	25.2	
58 1,2-Dichloroethane	62	4.660	4.660	0.0	88	347601	25.0	
59 n-Heptane	43	4.776	4.776	0.0	97	508070	25.8	
62 Trichloroethene	95	5.111	5.111	0.0	94	238286	25.6	
64 Methylcyclohexane	83	5.221	5.221	0.0	98	450860	25.3	
65 1,2-Dichloropropane	63	5.288	5.288	0.0	92	258477	25.4	
67 Dibromomethane	93	5.398	5.398	0.0	91	149166	25.7	
66 1,4-Dioxane	88	5.410	5.410	0.0	94	32402	524.4	
68 Dichlorobromomethane	83	5.514	5.514	0.0	92	318394	25.6	
69 2-Chloroethyl vinyl ether	63	5.727	5.727	0.0	91	162716	26.0	
72 cis-1,3-Dichloropropene	75	5.843	5.843	0.0	85	354882	24.8	
73 4-Methyl-2-pentanone (MIBK)	43	5.946	5.946	0.0	98	1707752	131.1	
74 Toluene	92	6.075	6.075	0.0	97	526920	25.2	
77 trans-1,3-Dichloropropene	75	6.276	6.276	0.0	97	298305	24.7	
75 Ethyl methacrylate	69	6.312	6.312	0.0	92	302578	25.5	
79 1,1,2-Trichloroethane	83	6.422	6.422	0.0	88	163485	25.2	
81 Tetrachloroethene	166	6.495	6.495	0.0	91	211854	24.9	
82 1,3-Dichloropropane	76	6.550	6.550	0.0	97	320179	25.2	
80 2-Hexanone	43	6.593	6.593	0.0	99	1052535	126.5	
83 Chlorodibromomethane	129	6.733	6.733	0.0	89	219635	24.7	
84 Ethylene Dibromide	107	6.818	6.818	0.0	97	200422	25.4	
87 Chlorobenzene	112	7.184	7.184	0.0	92	562142	25.0	
88 Ethylbenzene	91	7.251	7.251	0.0	99	1009515	25.0	
89 1,1,1,2-Tetrachloroethane	131	7.257	7.257	0.0	41	217277	25.3	
90 m-Xylene & p-Xylene	106	7.343	7.343	0.0	0	384712	25.3	
91 o-Xylene	106	7.672	7.672	0.0	96	390804	25.1	
92 Styrene	104	7.690	7.690	0.0	95	644149	25.2	
95 Bromoform	173	7.873	7.873	0.0	95	146874	25.5	
94 Isopropylbenzene	105	7.958	7.958	0.0	96	1049619	25.8	
101 Bromobenzene	156	8.239	8.239	0.0	96	239422	25.3	
97 1,1,2,2-Tetrachloroethane	83	8.251	8.251	0.0	88	305974	25.5	
100 1,2,3-Trichloropropane	110	8.287	8.287	0.0	83	86497	25.7	
98 trans-1,4-Dichloro-2-butene	53	8.294	8.294	0.0	66	108916	26.2	
99 N-Propylbenzene	91	8.294	8.294	0.0	98	1260879	25.5	
103 2-Chlorotoluene	126	8.385	8.385	0.0	95	238151	25.7	
102 1,3,5-Trimethylbenzene	105	8.440	8.440	0.0	64	878637	25.7	
105 4-Chlorotoluene	126	8.476	8.476	0.0	97	236026	25.2	
106 tert-Butylbenzene	134	8.708	8.708	0.0	93	179739	26.3	
107 1,2,4-Trimethylbenzene	105	8.751	8.751	0.0	98	912495	25.7	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	On-Col Amt ug/L	Flags
109 sec-Butylbenzene	105	8.885	8.885	0.0	95	1134887	25.7	
110 4-Isopropyltoluene	119	9.007	9.007	0.0	95	959863	25.6	
111 1,3-Dichlorobenzene	146	9.007	9.007	0.0	69	464141	25.1	
113 1,4-Dichlorobenzene	146	9.086	9.086	0.0	94	472113	25.2	
115 n-Butylbenzene	91	9.348	9.348	0.0	98	932681	25.4	
116 1,2-Dichlorobenzene	146	9.397	9.397	0.0	95	470729	25.2	
117 1,2-Dibromo-3-Chloropropane	75	10.068	10.068	0.0	77	64321	26.3	
119 1,2,4-Trichlorobenzene	180	10.744	10.744	0.0	94	349299	25.3	
120 Hexachlorobutadiene	225	10.860	10.860	0.0	96	169784	24.6	
121 Naphthalene	128	10.952	10.952	0.0	97	991018	25.8	
122 1,2,3-Trichlorobenzene	180	11.153	11.153	0.0	92	322166	25.2	
S 125 1,2-Dichloroethene, Total	1				0		50.6	
S 126 1,3-Dichloropropene, Total	1				0		49.5	
S 123 Total BTEX	1				0		125.8	
S 124 Xylenes, Total	1				0		50.4	

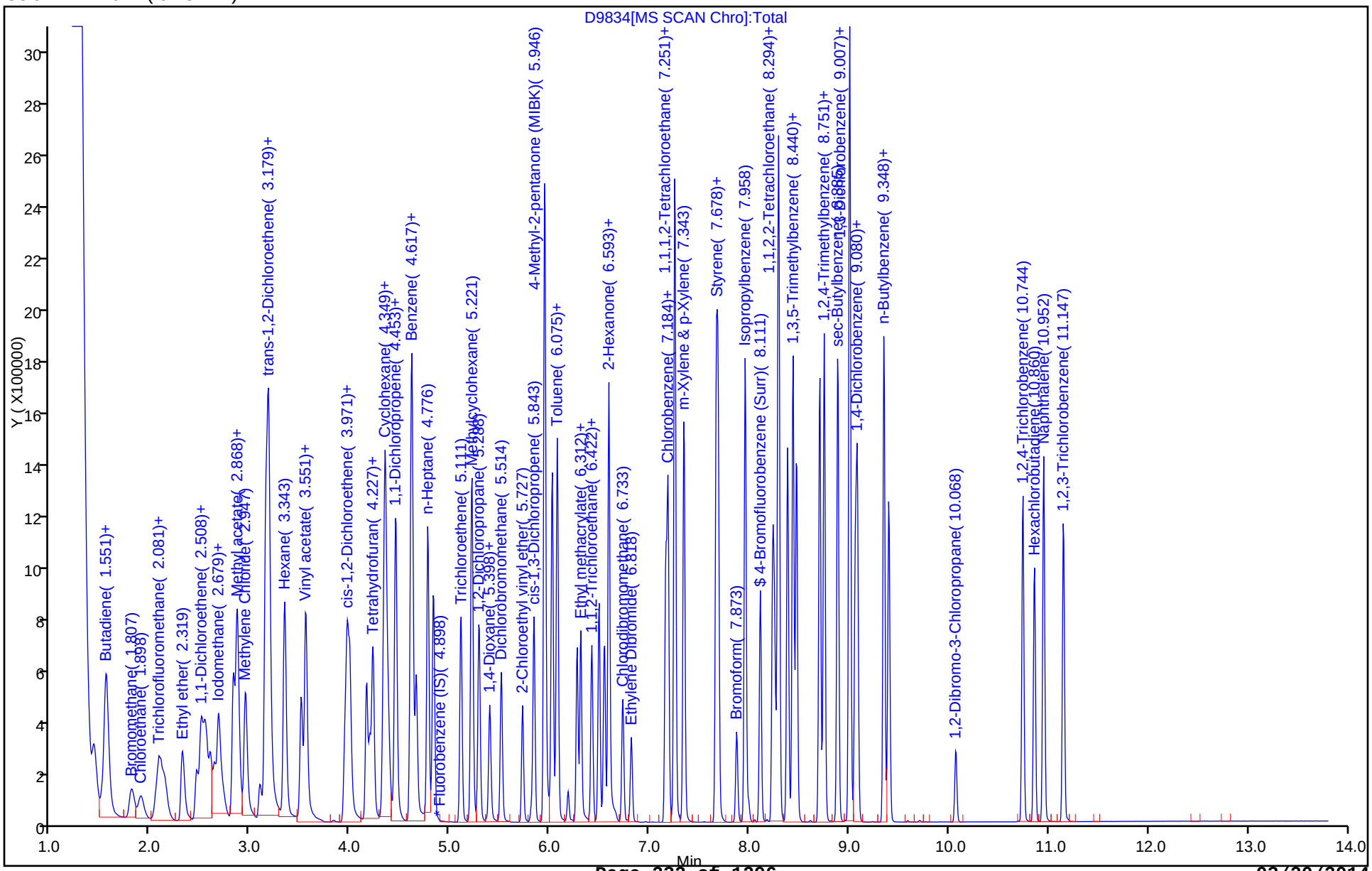
Report Date: 27-Feb-2014 02:29:37 Chrom Revision: 2.1 17-Feb-2014 09:05:58

TestAmerica Buffalo

Data File: \\Bufchrom\ChromData\HP5975D\20140225-29773.b\D9834.D

Injection Date:	26-Feb-2014 02:04:30	Instrument ID:	HP5975D	Operator ID:	CDC
Lims ID:	ICIS 4	Lab Sample ID:		Worklist Smp#:	9
Client ID:					
Purge Vol:	5.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	6
Method:	D-8260	Limit Group:	MV - 8260C ICAL		

Column: ZB-624 (0.25 mm)



TestAmerica Buffalo
Target Compound Quantitation Report

Data File: \\Bufchrom\ChromData\HP5975D\20140225-29773.b\D9835.D
Lims ID: IC 5 Lab Sample ID:
Client ID:
Sample Type: IC Calib Level: 6
Inject. Date: 26-Feb-2014 02:25:30 ALS Bottle#: 7 Worklist Smp#: 10
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: IC 5
Misc. Info.: 480-0029773-010
Operator ID: CDC Instrument ID: HP5975D
Sublist: chrom-D-8260*sub13

Method: \\Bufchrom\ChromData\HP5975D\20140225-29773.b\D-8260.m
Limit Group: MV - 8260C ICAL
Last Update: 27-Feb-2014 02:30:06 Calib Date: 26-Feb-2014 02:46:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\Bufchrom\ChromData\HP5975D\20140225-29773.b\D9836.D

Column 1 : ZB-624 (0.25 mm) Det: MS SCAN
Process Host: XAWRK015

First Level Reviewer: BrandtT Date: 26-Feb-2014 15:04:30

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	On-Col Amt ug/L	Flags
* 147 Fluorobenzene (IS)	96	4.837	4.837	0.0	97	672513	25.0	
* 2 Chlorobenzene-d5	82	7.166	7.160	0.006	87	263493	25.0	
* 3 1,4-Dichlorobenzene-d4	152	9.062	9.062	0.0	95	231502	25.0	
$ 148 Dibromofluoromethane (Surr)	113	4.355	4.355	0.0	41	209701	24.8	
$ 4 1,2-Dichloroethane-d4 (Surr)	67	4.605	4.605	0.0	0	138365	24.9	
$ 5 Toluene-d8 (Surr)	98	6.026	6.026	0.0	93	729980	25.1	
$ 6 4-Bromofluorobenzene (Surr)	174	8.111	8.111	0.0	85	207276	24.7	
10 Dichlorodifluoromethane	85	1.337	1.344	-0.007	87	525032	48.2	
12 Chloromethane	50	1.435	1.435	0.0	88	740028	46.3	
13 Vinyl chloride	62	1.545	1.539	0.006	82	655323	46.9	
144 Butadiene	54	1.557	1.557	0.0	94	656827	47.3	
14 Bromomethane	94	1.813	1.807	0.006	91	290589	49.8	
15 Chloroethane	64	1.904	1.898	0.006	99	332257	47.9	
16 Dichlorofluoromethane	67	2.087	2.087	0.0	83	722978	46.8	
17 Trichlorofluoromethane	101	2.124	2.118	0.006	86	489557	49.7	
18 Ethyl ether	59	2.319	2.319	0.0	97	467568	49.1	
20 Acrolein	56	2.459	2.459	0.0	95	556672	249.4	
22 1,1-Dichloroethene	96	2.508	2.508	0.0	89	412675	48.0	
21 1,1,2-Trichloro-1,2,2-trifluoroe	101	2.545	2.545	0.0	94	419606	49.0	
23 Acetone	43	2.606	2.600	0.006	100	880576	275.6	
25 Iodomethane	142	2.642	2.642	0.0	98	681475	48.3	
26 Carbon disulfide	76	2.679	2.679	0.0	100	1499507	47.8	
28 3-Chloro-1-propene	41	2.831	2.831	0.0	86	1033394	46.7	
27 Methyl acetate	43	2.868	2.868	0.0	98	2802863	257.1	
30 Methylene Chloride	84	2.947	2.953	-0.006	91	482337	47.4	
31 2-Methyl-2-propanol	59	3.099	3.093	0.006	100	620134	545.0	
32 Methyl tert-butyl ether	73	3.154	3.154	0.0	91	1504943	49.0	
34 trans-1,2-Dichloroethene	96	3.160	3.160	0.0	92	463898	47.3	
33 Acrylonitrile	53	3.185	3.185	0.0	98	2638791	523.7	
35 Hexane	57	3.343	3.343	0.0	95	852918	47.7	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	On-Col Amt ug/L	Flags
39 1,1-Dichloroethane	63	3.508	3.508	0.0	85	962317	47.8	
37 Vinyl acetate	43	3.557	3.557	0.0	97	2639636	98.8	
44 2,2-Dichloropropane	77	3.947	3.947	0.0	94	433367	45.8	
45 cis-1,2-Dichloroethene	96	3.971	3.971	0.0	73	509703	48.4	
43 2-Butanone (MEK)	43	3.996	3.996	0.0	98	1581894	272.0	
48 Chlorobromomethane	128	4.166	4.166	0.0	90	253324	48.7	
49 Tetrahydrofuran	42	4.197	4.197	0.0	92	446382	103.4	
50 Chloroform	83	4.227	4.227	0.0	82	822588	46.7	
51 1,1,1-Trichloroethane	97	4.331	4.331	0.0	93	631749	47.1	
52 Cyclohexane	56	4.349	4.349	0.0	95	1082589	47.8	
55 Carbon tetrachloride	117	4.453	4.453	0.0	78	576466	48.1	
54 1,1-Dichloropropene	75	4.459	4.459	0.0	92	594302	47.9	
53 Isobutyl alcohol	43	4.611	4.611	0.0	94	725209	1470.1	
57 Benzene	78	4.617	4.617	0.0	97	1761800	48.2	
58 1,2-Dichloroethane	62	4.660	4.660	0.0	94	683536	49.0	
59 n-Heptane	43	4.776	4.776	0.0	98	972092	49.3	
62 Trichloroethene	95	5.111	5.111	0.0	94	453285	48.5	
64 Methylcyclohexane	83	5.221	5.221	0.0	98	856356	48.0	
65 1,2-Dichloropropane	63	5.288	5.288	0.0	93	498718	48.9	
67 Dibromomethane	93	5.398	5.398	0.0	92	287337	49.4	
66 1,4-Dioxane	88	5.410	5.410	0.0	93	65693	1054.6	
68 Dichlorobromomethane	83	5.514	5.514	0.0	93	619087	49.7	
69 2-Chloroethyl vinyl ether	63	5.727	5.727	0.0	90	323335	51.5	
72 cis-1,3-Dichloropropene	75	5.843	5.843	0.0	87	696376	48.6	
73 4-Methyl-2-pentanone (MIBK)	43	5.946	5.946	0.0	98	3331432	257.1	
74 Toluene	92	6.074	6.075	0.0	97	1004556	48.2	
77 trans-1,3-Dichloropropene	75	6.276	6.276	0.0	98	580977	48.3	
75 Ethyl methacrylate	69	6.312	6.312	0.0	92	584820	49.5	
79 1,1,2-Trichloroethane	83	6.422	6.422	0.0	93	315391	48.8	
81 Tetrachloroethene	166	6.495	6.495	0.0	90	409741	48.4	
82 1,3-Dichloropropane	76	6.550	6.550	0.0	97	625292	49.4	
80 2-Hexanone	43	6.593	6.593	0.0	98	2027448	244.8	
83 Chlorodibromomethane	129	6.733	6.733	0.0	89	435375	49.3	
84 Ethylene Dibromide	107	6.818	6.818	0.0	98	388647	49.4	
87 Chlorobenzene	112	7.184	7.184	0.0	92	1079009	48.2	
88 Ethylbenzene	91	7.257	7.251	0.006	99	1908465	47.5	
89 1,1,1,2-Tetrachloroethane	131	7.257	7.257	0.0	41	417920	48.9	
90 m-Xylene & p-Xylene	106	7.349	7.343	0.006	0	725418	48.0	
91 o-Xylene	106	7.672	7.672	0.0	97	745361	48.0	
92 Styrene	104	7.690	7.690	0.0	95	1228746	48.3	
95 Bromoform	173	7.873	7.873	0.0	96	291709	50.9	
94 Isopropylbenzene	105	7.958	7.958	0.0	97	1992496	50.3	
101 Bromobenzene	156	8.239	8.239	0.0	96	457837	49.8	
97 1,1,2,2-Tetrachloroethane	83	8.251	8.251	0.0	88	593374	50.8	
100 1,2,3-Trichloropropane	110	8.287	8.287	0.0	82	162896	49.8	
98 trans-1,4-Dichloro-2-butene	53	8.293	8.294	-0.001	72	205992	51.0	
99 N-Propylbenzene	91	8.300	8.294	0.006	98	2375606	49.4	
103 2-Chlorotoluene	126	8.385	8.385	0.0	95	449871	49.8	
102 1,3,5-Trimethylbenzene	105	8.440	8.440	0.0	74	1676904	50.4	
105 4-Chlorotoluene	126	8.476	8.476	0.0	97	445603	48.9	
106 tert-Butylbenzene	134	8.708	8.708	0.0	93	349099	52.4	
107 1,2,4-Trimethylbenzene	105	8.751	8.751	0.0	98	1726384	50.0	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	On-Col Amt ug/L	Flags
109 sec-Butylbenzene	105	8.885	8.885	0.0	95	2173784	50.5	
111 1,3-Dichlorobenzene	146	9.007	9.007	0.0	95	879377	48.8	
110 4-Isopropyltoluene	119	9.007	9.007	0.0	95	1829358	50.1	
113 1,4-Dichlorobenzene	146	9.086	9.086	0.0	94	893977	49.0	
115 n-Butylbenzene	91	9.348	9.348	0.0	98	1771063	49.5	
116 1,2-Dichlorobenzene	146	9.397	9.397	0.0	95	897103	49.4	
117 1,2-Dibromo-3-Chloropropane	75	10.068	10.068	0.0	80	126539	53.1	
119 1,2,4-Trichlorobenzene	180	10.744	10.744	0.0	93	674237	50.2	
120 Hexachlorobutadiene	225	10.860	10.860	0.0	96	328840	49.0	
121 Naphthalene	128	10.951	10.952	-0.001	97	1952200	52.1	
122 1,2,3-Trichlorobenzene	180	11.153	11.153	0.0	93	623953	50.2	
S 123 Total BTEX	1				0		239.9	
S 124 Xylenes, Total	1				0		96.0	
S 125 1,2-Dichloroethene, Total	1				0		95.7	
S 126 1,3-Dichloropropene, Total	1				0		97.0	

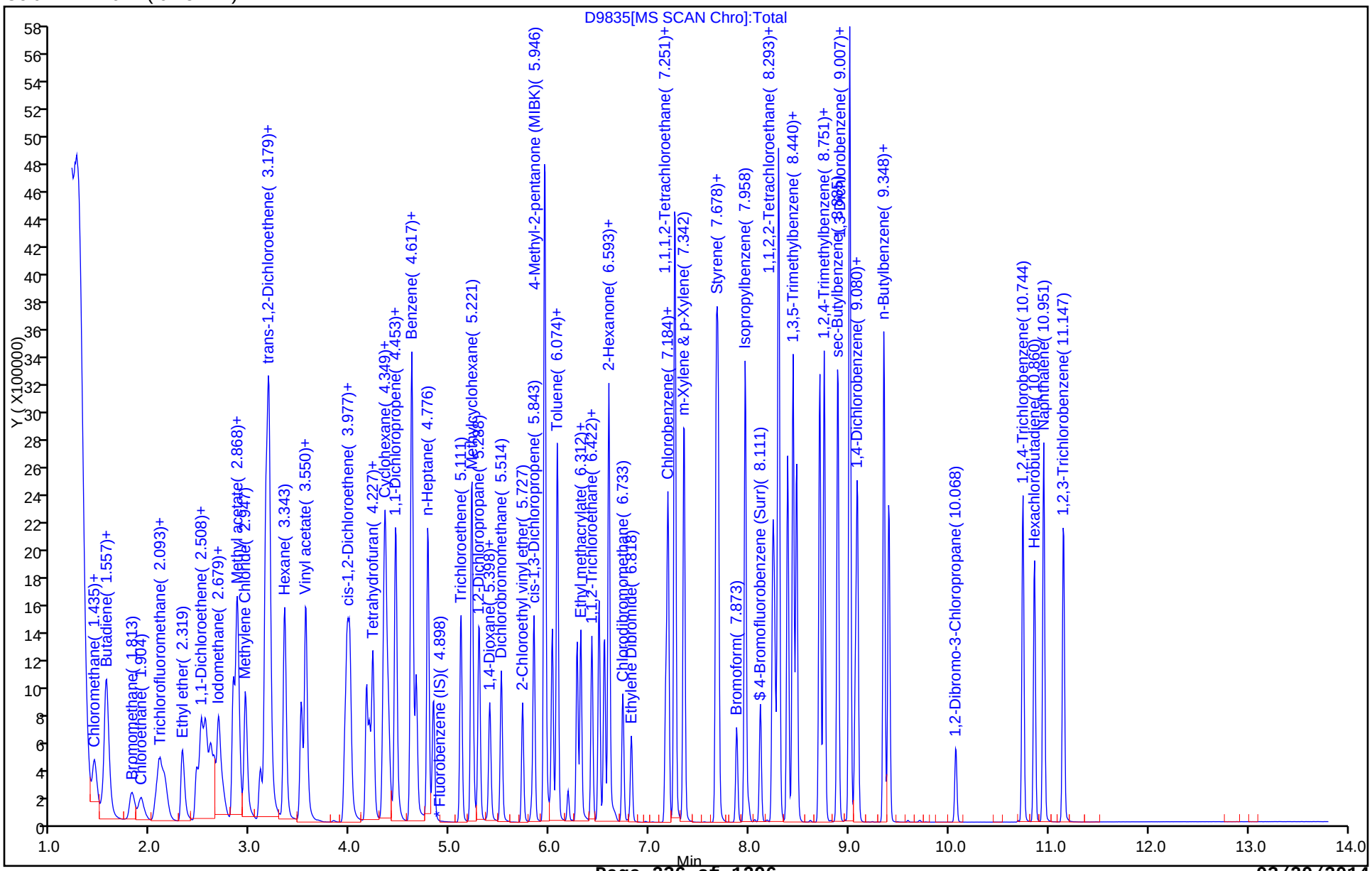
Report Date: 27-Feb-2014 02:30:07 Chrom Revision: 2.1 17-Feb-2014 09:05:58

TestAmerica Buffalo

Data File: \\Bufchrom\ChromData\HP5975D\20140225-29773.b\D9835.D

Injection Date:	26-Feb-2014 02:25:30	Instrument ID:	HP5975D	Operator ID:	CDC
Lims ID:	IC 5	Lab Sample ID:		Worklist Smp#:	10
Client ID:					
Purge Vol:	5.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	7
Method:	D-8260	Limit Group:	MV - 8260C ICAL		

Column: ZB-624 (0.25 mm)



TestAmerica Buffalo
Target Compound Quantitation Report

Data File: \\Bufchrom\ChromData\HP5975D\20140225-29773.b\D9836.D
Lims ID: IC 6 Lab Sample ID:
Client ID:
Sample Type: IC Calib Level: 7
Inject. Date: 26-Feb-2014 02:46:30 ALS Bottle#: 8 Worklist Smp#: 11
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: IC 6
Misc. Info.: 480-0029773-011
Operator ID: CDC Instrument ID: HP5975D
Sublist: chrom-D-8260*sub13

Method: \\Bufchrom\ChromData\HP5975D\20140225-29773.b\D-8260.m
Limit Group: MV - 8260C ICAL
Last Update: 27-Feb-2014 02:33:16 Calib Date: 26-Feb-2014 02:46:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\Bufchrom\ChromData\HP5975D\20140225-29773.b\D9836.D

Column 1 : ZB-624 (0.25 mm) Det: MS SCAN
Process Host: XAWRK015

First Level Reviewer: BrandtT Date: 26-Feb-2014 15:05:36

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	On-Col Amt ug/L	Flags
* 147 Fluorobenzene (IS)	96	4.831	4.837	-0.006	92	716043	25.0	
* 2 Chlorobenzene-d5	82	7.166	7.160	0.006	85	285666	25.0	
* 3 1,4-Dichlorobenzene-d4	152	9.062	9.062	0.0	89	250560	25.0	
$ 148 Dibromofluoromethane (Surr)	113	4.355	4.355	0.0	32	214754	23.8	
$ 4 1,2-Dichloroethane-d4 (Surr)	67	4.605	4.605	0.0	0	144718	24.5	
$ 5 Toluene-d8 (Surr)	98	6.026	6.026	0.0	92	774864	24.6	
$ 6 4-Bromofluorobenzene (Surr)	174	8.111	8.111	0.0	85	221534	24.4	
10 Dichlorodifluoromethane	85	1.338	1.344	-0.006	99	1063132	91.6	
12 Chloromethane	50	1.435	1.435	0.0	89	1525411	89.6	
13 Vinyl chloride	62	1.551	1.539	0.012	64	1312146	88.3	
144 Butadiene	54	1.551	1.557	-0.006	94	1337306	90.5	
14 Bromomethane	94	1.807	1.807	0.0	90	605827	98.2	
15 Chloroethane	64	1.898	1.898	0.0	94	684976	92.8	
16 Dichlorofluoromethane	67	2.087	2.087	0.0	83	1492807	90.7	
17 Trichlorofluoromethane	101	2.130	2.118	0.012	86	1044298	99.7	
18 Ethyl ether	59	2.313	2.319	-0.006	97	963634	95.0	
20 Acrolein	56	2.459	2.459	0.0	91	1121232	471.8	
22 1,1-Dichloroethene	96	2.508	2.508	0.0	86	850905	92.9	
21 1,1,2-Trichloro-1,2,2-trifluoroe	101	2.545	2.545	0.0	86	854147	93.7	
23 Acetone	43	2.600	2.600	0.0	97	1675181	492.5	
25 Iodomethane	142	2.642	2.642	0.0	98	1397394	93.0	
26 Carbon disulfide	76	2.679	2.679	0.0	99	3101927	92.9	
28 3-Chloro-1-propene	41	2.825	2.831	-0.006	86	2115962	89.8	
27 Methyl acetate	43	2.868	2.868	0.0	97	5670102	488.6	
30 Methylene Chloride	84	2.947	2.953	-0.006	90	1005336	92.8	
31 2-Methyl-2-propanol	59	3.093	3.093	0.0	99	1110942	990.2	
32 Methyl tert-butyl ether	73	3.148	3.154	-0.006	90	3023111	92.5	
34 trans-1,2-Dichloroethene	96	3.154	3.160	-0.006	90	952610	91.3	
33 Acrylonitrile	53	3.185	3.185	0.0	98	5209066	971.0	
35 Hexane	57	3.343	3.343	0.0	95	1766649	92.8	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	On-Col Amt ug/L	Flags
39 1,1-Dichloroethane	63	3.508	3.508	0.0	85	1965122	91.8	
37 Vinyl acetate	43	3.551	3.557	-0.006	97	5604237	197.0	
44 2,2-Dichloropropane	77	3.947	3.947	0.0	92	828875	82.3	
45 cis-1,2-Dichloroethene	96	3.971	3.971	0.0	73	1039229	92.6	
43 2-Butanone (MEK)	43	3.996	3.996	0.0	97	3242015	523.5	
48 Chlorobromomethane	128	4.166	4.166	0.0	94	523302	94.5	
49 Tetrahydrofuran	42	4.191	4.197	-0.006	92	908257	198.3	
50 Chloroform	83	4.227	4.227	0.0	84	1691723	90.3	
51 1,1,1-Trichloroethane	97	4.331	4.331	0.0	92	1298482	90.9	
52 Cyclohexane	56	4.349	4.349	0.0	94	2198038	91.1	
55 Carbon tetrachloride	117	4.453	4.453	0.0	67	1189292	93.2	
54 1,1-Dichloropropene	75	4.459	4.459	0.0	91	1251069	94.7	
53 Isobutyl alcohol	43	4.611	4.611	0.0	95	1301540	2478.1	
57 Benzene	78	4.617	4.617	0.0	98	3690962	94.8	
58 1,2-Dichloroethane	62	4.660	4.660	0.0	94	1409330	94.8	
59 n-Heptane	43	4.776	4.776	0.0	97	1990030	94.7	
62 Trichloroethene	95	5.111	5.111	0.0	94	961171	96.7	
64 Methylcyclohexane	83	5.221	5.221	0.0	98	1760148	92.6	
65 1,2-Dichloropropane	63	5.288	5.288	0.0	94	1069539	98.5	
67 Dibromomethane	93	5.398	5.398	0.0	92	610524	98.5	
66 1,4-Dioxane	88	5.404	5.410	-0.006	94	133174	1960.4	
68 Dichlorobromomethane	83	5.514	5.514	0.0	93	1324516	99.8	
69 2-Chloroethyl vinyl ether	63	5.727	5.727	0.0	91	716129	107.2	
72 cis-1,3-Dichloropropene	75	5.843	5.843	0.0	88	1535821	100.7	
73 4-Methyl-2-pentanone (MIBK)	43	5.953	5.946	0.006	98	6800842	484.1	
74 Toluene	92	6.074	6.075	0.0	98	2169864	96.0	
77 trans-1,3-Dichloropropene	75	6.276	6.276	0.0	94	1279257	98.2	
75 Ethyl methacrylate	69	6.312	6.312	0.0	91	1259215	98.3	
79 1,1,2-Trichloroethane	83	6.422	6.422	0.0	92	681096	97.2	
81 Tetrachloroethene	166	6.495	6.495	0.0	91	886681	96.7	
82 1,3-Dichloropropane	76	6.550	6.550	0.0	96	1365015	99.5	
80 2-Hexanone	43	6.593	6.593	0.0	98	4223184	470.3	
83 Chlorodibromomethane	129	6.733	6.733	0.0	89	943296	98.4	
84 Ethylene Dibromide	107	6.818	6.818	0.0	98	841243	98.7	
87 Chlorobenzene	112	7.184	7.184	0.0	92	2340551	96.5	
88 Ethylbenzene	91	7.257	7.251	0.006	99	4048359	92.9	
89 1,1,1,2-Tetrachloroethane	131	7.257	7.257	0.0	45	863058	93.2	
90 m-Xylene & p-Xylene	106	7.349	7.343	0.006	0	1540769	94.1	
91 o-Xylene	106	7.672	7.672	0.0	97	1558310	92.6	
92 Styrene	104	7.690	7.690	0.0	95	2625323	95.3	
95 Bromoform	173	7.873	7.873	0.0	96	636012	102.3	
94 Isopropylbenzene	105	7.958	7.958	0.0	97	4136692	96.4	
101 Bromobenzene	156	8.239	8.239	0.0	96	978227	98.2	
97 1,1,2,2-Tetrachloroethane	83	8.257	8.251	0.006	88	1221541	96.6	
100 1,2,3-Trichloropropane	110	8.287	8.287	0.0	81	334965	94.5	
98 trans-1,4-Dichloro-2-butene	53	8.294	8.294	0.0	67	442051	101.0	
99 N-Propylbenzene	91	8.300	8.294	0.006	98	4941976	95.0	
103 2-Chlorotoluene	126	8.385	8.385	0.0	95	936121	95.8	
102 1,3,5-Trimethylbenzene	105	8.440	8.440	0.0	64	3456523	96.0	
105 4-Chlorotoluene	126	8.476	8.476	0.0	97	954720	96.8	
106 tert-Butylbenzene	134	8.708	8.708	0.0	93	732264	101.6	
107 1,2,4-Trimethylbenzene	105	8.751	8.751	0.0	97	3559805	95.2	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	On-Col Amt ug/L	Flags
109 sec-Butylbenzene	105	8.891	8.885	0.006	95	4487267	96.3	
110 4-Isopropyltoluene	119	9.007	9.007	0.0	95	3765854	95.2	
111 1,3-Dichlorobenzene	146	9.013	9.007	0.006	96	1848322	94.8	
113 1,4-Dichlorobenzene	146	9.086	9.086	0.0	93	1900880	96.2	
115 n-Butylbenzene	91	9.348	9.348	0.0	98	3694456	95.4	
116 1,2-Dichlorobenzene	146	9.403	9.397	0.006	95	1845799	94.0	
117 1,2-Dibromo-3-Chloropropane	75	10.068	10.068	0.0	82	240165	93.1	
119 1,2,4-Trichlorobenzene	180	10.744	10.744	0.0	91	1367347	94.0	
120 Hexachlorobutadiene	225	10.860	10.860	0.0	96	662660	91.1	
121 Naphthalene	128	10.952	10.952	0.0	97	3800211	93.8	
122 1,2,3-Trichlorobenzene	180	11.153	11.153	0.0	93	1251382	93.0	
S 125 1,2-Dichloroethene, Total	1				0		183.9	
S 126 1,3-Dichloropropene, Total	1				0		198.9	
S 123 Total BTEX	1				0		470.5	
S 124 Xylenes, Total	1				0		186.7	

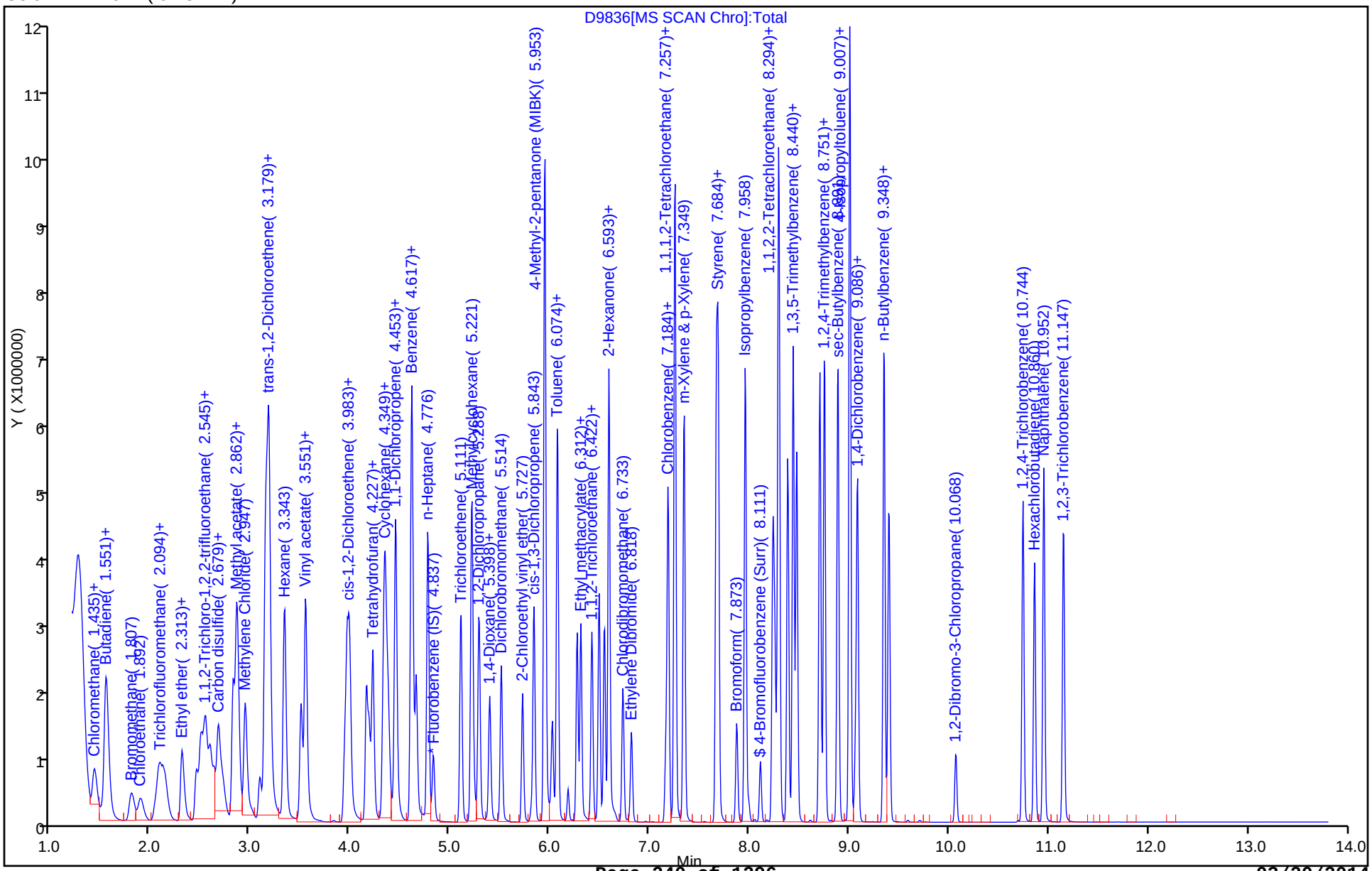
Report Date: 27-Feb-2014 02:33:16 Chrom Revision: 2.1 17-Feb-2014 09:05:58

TestAmerica Buffalo

Data File: \\Bufchrom\ChromData\HP5975D\20140225-29773.b\D9836.D

Injection Date:	26-Feb-2014 02:46:30	Instrument ID:	HP5975D	Operator ID:	CDC
Lims ID:	IC 6	Lab Sample ID:		Worklist Smp#:	11
Client ID:					
Purge Vol:	5.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	8
Method:	D-8260	Limit Group:	MV - 8260C ICAL		

Column: ZB-624 (0.25 mm)



FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Buffalo Job No.: 480-55783-1

SDG No.:

Lab Sample ID: CCVIS 480-169830/3 Calibration Date: 03/13/2014 09:57

Instrument ID: HP5973S Calib Start Date: 02/04/2014 21:47

GC Column: ZB-624 (60) ID: 0.25(mm) Calib End Date: 02/04/2014 23:36

Lab File ID: S35868.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	1.832	1.892	0.1000	25.8	25.0	3.3	20.0
Chloromethane	Ave	1.744	2.211	0.1000	31.7	25.0	26.7*	20.0
Vinyl chloride	Ave	1.403	1.594	0.1000	28.4	25.0	13.6	20.0
Butadiene	Ave	1.003	1.181		29.4	25.0	17.8	20.0
Bromomethane	Ave	0.6641	0.8858	0.1000	33.3	25.0	33.4*	20.0
Chloroethane	Ave	0.7063	0.8917	0.1000	31.6	25.0	26.2*	20.0
Trichlorofluoromethane	Ave	1.791	2.213	0.1000	30.9	25.0	23.6*	20.0
Dichlorofluoromethane	Ave	1.904	2.385		31.3	25.0	25.3*	20.0
Ethyl ether	Ave	1.038	1.082		26.1	25.0	4.3	20.0
Acrolein	Ave	0.2530	0.2687		133	125	6.2	20.0
1,1,2-Trichloro-1,2,2-triflu oroethane	Ave	1.277	1.434	0.1000	28.1	25.0	12.3	20.0
1,1-Dichloroethene	Ave	1.420	1.517	0.1000	26.7	25.0	6.8	20.0
Acetone	Ave	0.5715	0.5971	0.1000	131	125	4.5	20.0
Iodomethane	Ave	1.722	2.174		31.6	25.0	26.3*	20.0
Carbon disulfide	Ave	4.188	5.120	0.1000	30.6	25.0	22.2*	20.0
Allyl chloride	Ave	1.589	1.940		30.5	25.0	22.1*	20.0
Methyl acetate	Ave	1.415	1.382	0.1000	122	125	-2.3	20.0
Methylene Chloride	Ave	1.606	1.651	0.1000	25.7	25.0	2.8	20.0
2-Methyl-2-propanol	Ave	0.2199	0.2035		231	250	-7.5	20.0
Methyl tert-butyl ether	Ave	4.252	4.246	0.1000	25.0	25.0	-0.2	20.0
trans-1,2-Dichloroethene	Ave	1.453	1.605	0.1000	27.6	25.0	10.5	20.0
Acrylonitrile	Ave	0.6780	0.6763		249	250	-0.3	20.0
Hexane	Ave	2.081	2.256		27.1	25.0	8.4	20.0
1,1-Dichloroethane	Ave	2.399	2.450	0.2000	25.5	25.0	2.1	20.0
Vinyl acetate	Ave	3.297	3.001		45.5	50.0	-9.0	20.0
2,2-Dichloropropane	Ave	1.413	1.201		21.2	25.0	-15.0	20.0
cis-1,2-Dichloroethene	Ave	1.551	1.616	0.1000	26.0	25.0	4.2	20.0
2-Butanone (MEK)	Ave	0.9228	0.9007	0.1000	122	125	-2.4	20.0
Chlorobromomethane	Ave	0.7835	0.8336		26.6	25.0	6.4	20.0
Tetrahydrofuran	Ave	0.6856	0.6063		44.2	50.0	-11.6	20.0
Chloroform	Ave	2.357	2.415	0.2000	25.6	25.0	2.4	20.0
1,1,1-Trichloroethane	Ave	1.761	1.928	0.1000	27.4	25.0	9.5	20.0
Cyclohexane	Ave	2.214	2.558	0.1000	28.9	25.0	15.5	20.0
Carbon tetrachloride	Ave	1.459	1.546	0.1000	26.5	25.0	6.0	20.0
1,1-Dichloropropene	Ave	1.757	1.895		27.0	25.0	7.9	20.0
Isobutyl alcohol	Ave	0.1020	0.0971		595	625	-4.8	20.0
Benzene	Ave	5.699	5.924	0.5000	26.0	25.0	3.9	20.0
1,2-Dichloroethane	Ave	1.831	1.824	0.1000	24.9	25.0	-0.4	20.0
n-Heptane	Ave	2.246	2.287		25.5	25.0	1.8	20.0
Trichloroethene	Ave	1.424	1.507	0.2000	26.5	25.0	5.8	20.0

FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Buffalo Job No.: 480-55783-1

SDG No.:

Lab Sample ID: CCVIS 480-169830/3 Calibration Date: 03/13/2014 09:57

Instrument ID: HP5973S Calib Start Date: 02/04/2014 21:47

GC Column: ZB-624 (60) ID: 0.25(mm) Calib End Date: 02/04/2014 23:36

Lab File ID: S35868.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
Methylcyclohexane	Ave	2.429	2.583	0.1000	26.6	25.0	6.3	20.0
1,2-Dichloropropane	Ave	1.443	1.431	0.1000	24.8	25.0	-0.8	20.0
Dibromomethane	Ave	0.8501	0.8912	0.1000	26.2	25.0	4.8	20.0
1,4-Dioxane	Ave	0.0081	0.0104		642	500	28.4*	20.0
Bromodichloromethane	Ave	1.717	1.727	0.2000	25.1	25.0	0.6	20.0
2-Chloroethyl vinyl ether	Ave	1.001	0.9783		24.4	25.0	-2.3	20.0
cis-1,3-Dichloropropene	Ave	2.207	2.164	0.2000	24.5	25.0	-1.9	20.0
4-Methyl-2-pentanone (MIBK)	Ave	0.8930	0.8404	0.1000	118	125	-5.9	20.0
Toluene	Ave	1.819	1.770	0.4000	24.3	25.0	-2.7	20.0
trans-1,3-Dichloropropene	Ave	0.9099	0.8536	0.1000	23.5	25.0	-6.2	20.0
Ethyl methacrylate	Ave	1.012	0.9590		23.7	25.0	-5.3	20.0
1,1,2-Trichloroethane	Ave	0.5451	0.5314	0.1000	24.4	25.0	-2.5	20.0
Tetrachloroethene	Ave	0.7819	0.8451	0.2000	27.0	25.0	8.1	20.0
1,3-Dichloropropane	Ave	1.179	1.121		23.8	25.0	-4.9	20.0
2-Hexanone	Ave	0.6561	0.6195	0.1000	118	125	-5.6	20.0
Dibromochloromethane	Ave	0.6389	0.6406	0.1000	24.6	24.5	0.3	20.0
1,2-Dibromoethane	Ave	0.6847	0.6808		24.9	25.0	-0.6	20.0
Chlorobenzene	Ave	2.089	2.085	0.5000	25.0	25.0	-0.2	20.0
Ethylbenzene	Ave	3.348	3.382	0.1000	25.3	25.0	1.0	20.0
1,1,1,2-Tetrachloroethane	Ave	0.6430	0.6578		25.6	25.0	2.3	20.0
m,p-Xylene	Ave	1.361	1.368	0.1000	25.1	25.0	0.5	20.0
o-Xylene	Ave	1.312	1.325	0.3000	25.2	25.0	1.0	20.0
Styrene	Ave	2.181	2.249	0.3000	25.8	25.0	3.1	20.0
Bromoform	Ave	0.4084	0.3963	0.1000	24.3	25.0	-3.0	20.0
Isopropylbenzene	Ave	3.477	3.300	0.1000	23.7	25.0	-5.1	20.0
Bromobenzene	Ave	0.9316	0.9002		24.2	25.0	-3.4	20.0
1,1,2,2-Tetrachloroethane	Ave	0.9573	0.8702	0.3000	22.7	25.0	-9.1	20.0
N-Propylbenzene	Ave	4.042	3.837		23.7	25.0	-5.1	20.0
1,2,3-Trichloropropane	Ave	0.3226	0.2988		23.2	25.0	-7.4	20.0
trans-1,4-Dichloro-2-butene	Ave	0.2582	0.2231		21.6	25.0	-13.6	20.0
2-Chlorotoluene	Ave	0.8673	0.8229		23.7	25.0	-5.1	20.0
1,3,5-Trimethylbenzene	Ave	2.829	2.723		24.1	25.0	-3.8	20.0
4-Chlorotoluene	Ave	0.9031	0.8615		23.8	25.0	-4.6	20.0
tert-Butylbenzene	Ave	0.6694	0.6423		24.0	25.0	-4.1	20.0
1,2,4-Trimethylbenzene	Ave	2.903	2.802		24.1	25.0	-3.5	20.0
sec-Butylbenzene	Ave	3.495	3.468		24.8	25.0	-0.8	20.0
1,3-Dichlorobenzene	Ave	1.627	1.626	0.6000	25.0	25.0	-0.0	20.0
4-Isopropyltoluene	Ave	2.952	3.005		25.5	25.0	1.8	20.0
1,4-Dichlorobenzene	Ave	1.684	1.652	0.5000	24.5	25.0	-1.9	20.0
n-Butylbenzene	Ave	2.478	2.544		25.7	25.0	2.6	20.0
1,2-Dichlorobenzene	Ave	1.573	1.574	0.4000	25.0	25.0	0.0	20.0

FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Buffalo Job No.: 480-55783-1

SDG No.:

Lab Sample ID: CCVIS 480-169830/3 Calibration Date: 03/13/2014 09:57

Instrument ID: HP5973S Calib Start Date: 02/04/2014 21:47

GC Column: ZB-624 (60) ID: 0.25(mm) Calib End Date: 02/04/2014 23:36

Lab File ID: S35868.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-Dibromo-3-Chloropropane	Ave	0.1354	0.1321	0.0500	24.4	25.0	-2.4	20.0
1,2,4-Trichlorobenzene	Ave	0.8029	0.9002	0.2000	28.0	25.0	12.1	20.0
Hexachlorobutadiene	Ave	0.3423	0.4170		30.5	25.0	21.8*	20.0
Naphthalene	Ave	2.266	2.475		27.3	25.0	9.2	20.0
1,2,3-Trichlorobenzene	Ave	0.6883	0.8075		29.3	25.0	17.3	20.0
Dibromofluoromethane (Surr)	Ave	1.119	1.237		27.6	25.0	10.6	20.0
1,2-Dichloroethane-d4 (Surr)	Ave	0.7083	0.7500		26.5	25.0	5.9	20.0
Toluene-d8 (Surr)	Ave	2.368	2.421		25.6	25.0	2.2	20.0
4-Bromofluorobenzene (Surr)	Ave	0.7401	0.7847		26.5	25.0	6.0	20.0

TestAmerica Buffalo
Target Compound Quantitation Report

Data File: \\Bufchrom\ChromData\HP5973S\20140313-30132.b\S35868.D
Lims ID: CCVIS Lab Sample ID:
Client ID:
Sample Type: CCVIS
Inject. Date: 13-Mar-2014 09:57:30 ALS Bottle#: 3 Worklist Smp#: 3
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: CCVIS
Misc. Info.: 480-0030132-003 =480-0030132-003
Operator ID: gtg Instrument ID: HP5973S
Sublist: chrom-S-8260*sub26

Method: \\Bufchrom\ChromData\HP5973S\20140313-30132.b\S-8260.m
Limit Group: MV - 8260C ICAL
Last Update: 13-Mar-2014 11:24:02 Calib Date: 05-Feb-2014 03:36:30
Integrator: RTE ID Type: RT Order ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\Bufchrom\ChromData\HP5973S\20140204-29280.b\S34512.D

Column 1 : ZB-624 (0.25 mm) Det: MS SCAN
Process Host: XAWRK014

First Level Reviewer: goliszekg Date: 13-Mar-2014 10:14:21

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	On-Col Amt ug/L	Flags
* 153 Fluorobenzene (IS)	70	4.531	4.531	0.0	99	88413	25.0	
* 2 Chlorobenzene-d5	82	6.825	6.825	0.0	81	191652	25.0	
* 3 1,4-Dichlorobenzene-d4	152	8.693	8.693	0.0	90	197961	25.0	
$ 154 Dibromofluoromethane (Surr)	113	4.069	4.069	0.0	57	109355	27.6	
$ 4 1,2-Dichloroethane-d4 (Surr)	67	4.318	4.318	0.0	0	66309	26.5	
$ 5 Toluene-d8 (Surr)	98	5.699	5.699	0.0	91	463978	25.6	
$ 6 4-Bromofluorobenzene (Surr)	174	7.762	7.762	0.0	94	150379	26.5	
10 Dichlorodifluoromethane	85	1.216	1.216	0.0	86	167246	25.8	
12 Chloromethane	50	1.362	1.362	0.0	89	195468	31.7	
13 Vinyl chloride	62	1.423	1.423	0.0	82	140908	28.4	
151 Butadiene	54	1.441	1.441	0.0	61	104418	29.4	
14 Bromomethane	94	1.678	1.678	0.0	88	78312	33.3	
15 Chloroethane	64	1.763	1.763	0.0	91	78837	31.6	
17 Trichlorofluoromethane	101	1.903	1.903	0.0	71	195622	30.9	
16 Dichlorofluoromethane	67	1.909	1.909	0.0	80	210906	31.3	
18 Ethyl ether	59	2.110	2.110	0.0	92	95693	26.1	
20 Acrolein	56	2.274	2.274	0.0	93	118785	132.8	
21 1,1,2-Trichloro-1,2,2-trifluoroe	101	2.299	2.299	0.0	77	126757	28.1	
22 1,1-Dichloroethene	96	2.335	2.335	0.0	87	134093	26.7	
23 Acetone	43	2.402	2.402	0.0	100	263937	130.6	
25 Iodomethane	142	2.481	2.481	0.0	93	192179	31.6	
26 Carbon disulfide	76	2.499	2.499	0.0	98	452665	30.6	
28 3-Chloro-1-propene	41	2.633	2.633	0.0	3	171524	30.5	
27 Methyl acetate	43	2.639	2.639	0.0	98	611058	122.1	
30 Methylene Chloride	84	2.767	2.767	0.0	80	145927	25.7	
31 2-Methyl-2-propanol	59	2.846	2.846	0.0	97	179902	231.3	
32 Methyl tert-butyl ether	73	2.889	2.889	0.0	86	375366	25.0	
34 trans-1,2-Dichloroethene	96	2.931	2.931	0.0	88	141872	27.6	
33 Acrylonitrile	53	2.962	2.962	0.0	99	597900	249.4	
35 Hexane	57	3.059	3.059	0.0	91	199454	27.1	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	On-Col Amt ug/L	Flags
39 1,1-Dichloroethane	63	3.254	3.254	0.0	85	216579	25.5	
37 Vinyl acetate	43	3.290	3.290	0.0	97	530657	45.5	
44 2,2-Dichloropropane	77	3.674	3.674	0.0	88	106180	21.2	
45 cis-1,2-Dichloroethene	96	3.698	3.698	0.0	66	142903	26.0	
43 2-Butanone (MEK)	43	3.728	3.728	0.0	100	398148	122.0	
48 Chlorobromomethane	128	3.887	3.887	0.0	89	73701	26.6	
49 Tetrahydrofuran	42	3.905	3.905	0.0	90	107204	44.2	
50 Chloroform	83	3.941	3.941	0.0	80	213494	25.6	
51 1,1,1-Trichloroethane	97	4.039	4.039	0.0	91	170481	27.4	
52 Cyclohexane	56	4.045	4.045	0.0	89	226142	28.9	
55 Carbon tetrachloride	117	4.148	4.148	0.0	74	136688	26.5	
54 1,1-Dichloropropene	75	4.154	4.154	0.0	94	167522	27.0	
53 Isobutyl alcohol	43	4.318	4.318	0.0	92	214517	594.8	
57 Benzene	78	4.325	4.325	0.0	96	523766	26.0	
58 1,2-Dichloroethane	62	4.373	4.373	0.0	89	161261	24.9	
59 n-Heptane	43	4.452	4.452	0.0	92	202238	25.5	
62 Trichloroethene	95	4.793	4.793	0.0	92	133202	26.5	
64 Methylcyclohexane	83	4.890	4.890	0.0	88	228373	26.6	
65 1,2-Dichloropropane	63	4.988	4.988	0.0	93	126498	24.8	
67 Dibromomethane	93	5.091	5.091	0.0	90	78789	26.2	
66 1,4-Dioxane	88	5.103	5.103	0.0	90	39917	642.1	M
68 Dichlorobromomethane	83	5.207	5.207	0.0	93	152649	25.1	
69 2-Chloroethyl vinyl ether	63	5.420	5.420	0.0	92	86497	24.4	
72 cis-1,3-Dichloropropene	75	5.529	5.529	0.0	91	191358	24.5	
73 4-Methyl-2-pentanone (MIBK)	43	5.645	5.645	0.0	96	805325	117.6	
74 Toluene	92	5.754	5.754	0.0	98	339178	24.3	
77 trans-1,3-Dichloropropene	75	5.961	5.961	0.0	88	163599	23.5	
75 Ethyl methacrylate	69	5.991	5.991	0.0	88	183797	23.7	
79 1,1,2-Trichloroethane	83	6.107	6.107	0.0	85	101852	24.4	
81 Tetrachloroethene	166	6.150	6.150	0.0	88	161967	27.0	
82 1,3-Dichloropropane	76	6.235	6.235	0.0	90	214906	23.8	
80 2-Hexanone	43	6.277	6.277	0.0	96	593644	118.0	
83 Chlorodibromomethane	129	6.411	6.411	0.0	88	120309	24.6	
84 Ethylene Dibromide	107	6.496	6.496	0.0	98	130478	24.9	
87 Chlorobenzene	112	6.849	6.849	0.0	96	399555	25.0	
88 Ethylbenzene	91	6.910	6.910	0.0	98	648257	25.3	
89 1,1,1,2-Tetrachloroethane	131	6.916	6.916	0.0	87	126077	25.6	
90 m-Xylene & p-Xylene	106	7.001	7.001	0.0	0	262133	25.1	
91 o-Xylene	106	7.324	7.324	0.0	96	253905	25.2	
92 Styrene	104	7.342	7.342	0.0	95	431060	25.8	
95 Bromoform	173	7.537	7.537	0.0	98	75948	24.3	
94 Isopropylbenzene	105	7.610	7.610	0.0	95	653346	23.7	
101 Bromobenzene	156	7.883	7.883	0.0	88	178211	24.2	
97 1,1,2,2-Tetrachloroethane	83	7.914	7.914	0.0	82	172264	22.7	
99 N-Propylbenzene	91	7.938	7.938	0.0	97	759538	23.7	
100 1,2,3-Trichloropropane	110	7.950	7.950	0.0	76	59157	23.2	
98 trans-1,4-Dichloro-2-butene	53	7.956	7.956	0.0	69	44158	21.6	
103 2-Chlorotoluene	126	8.029	8.029	0.0	97	162894	23.7	
102 1,3,5-Trimethylbenzene	105	8.078	8.078	0.0	75	538995	24.1	
105 4-Chlorotoluene	126	8.115	8.115	0.0	96	170541	23.8	
106 tert-Butylbenzene	134	8.346	8.346	0.0	85	127150	24.0	
107 1,2,4-Trimethylbenzene	105	8.388	8.388	0.0	96	554700	24.1	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	On-Col Amt ug/L	Flags
109 sec-Butylbenzene	105	8.522	8.522	0.0	93	686431	24.8	
111 1,3-Dichlorobenzene	146	8.638	8.638	0.0	70	321937	25.0	
110 4-Isopropyltoluene	119	8.638	8.638	0.0	97	594895	25.5	
113 1,4-Dichlorobenzene	146	8.717	8.717	0.0	85	327026	24.5	
115 n-Butylbenzene	91	8.978	8.978	0.0	94	503533	25.7	
116 1,2-Dichlorobenzene	146	9.027	9.027	0.0	98	311578	25.0	
117 1,2-Dibromo-3-Chloropropane	75	9.702	9.702	0.0	76	26148	24.4	
119 1,2,4-Trichlorobenzene	180	10.347	10.347	0.0	93	178204	28.0	
120 Hexachlorobutadiene	225	10.451	10.451	0.0	95	82555	30.5	
121 Naphthalene	128	10.560	10.560	0.0	96	489977	27.3	
122 1,2,3-Trichlorobenzene	180	10.755	10.755	0.0	95	159847	29.3	
S 125 1,2-Dichloroethene, Total	1				0		53.7	
S 126 1,3-Dichloropropene, Total	1				0		48.0	
S 123 Total BTEX	1				0		125.9	
S 124 Xylenes, Total	1				0		50.4	

QC Flag Legend

Review Flags
M - Manually Integrated

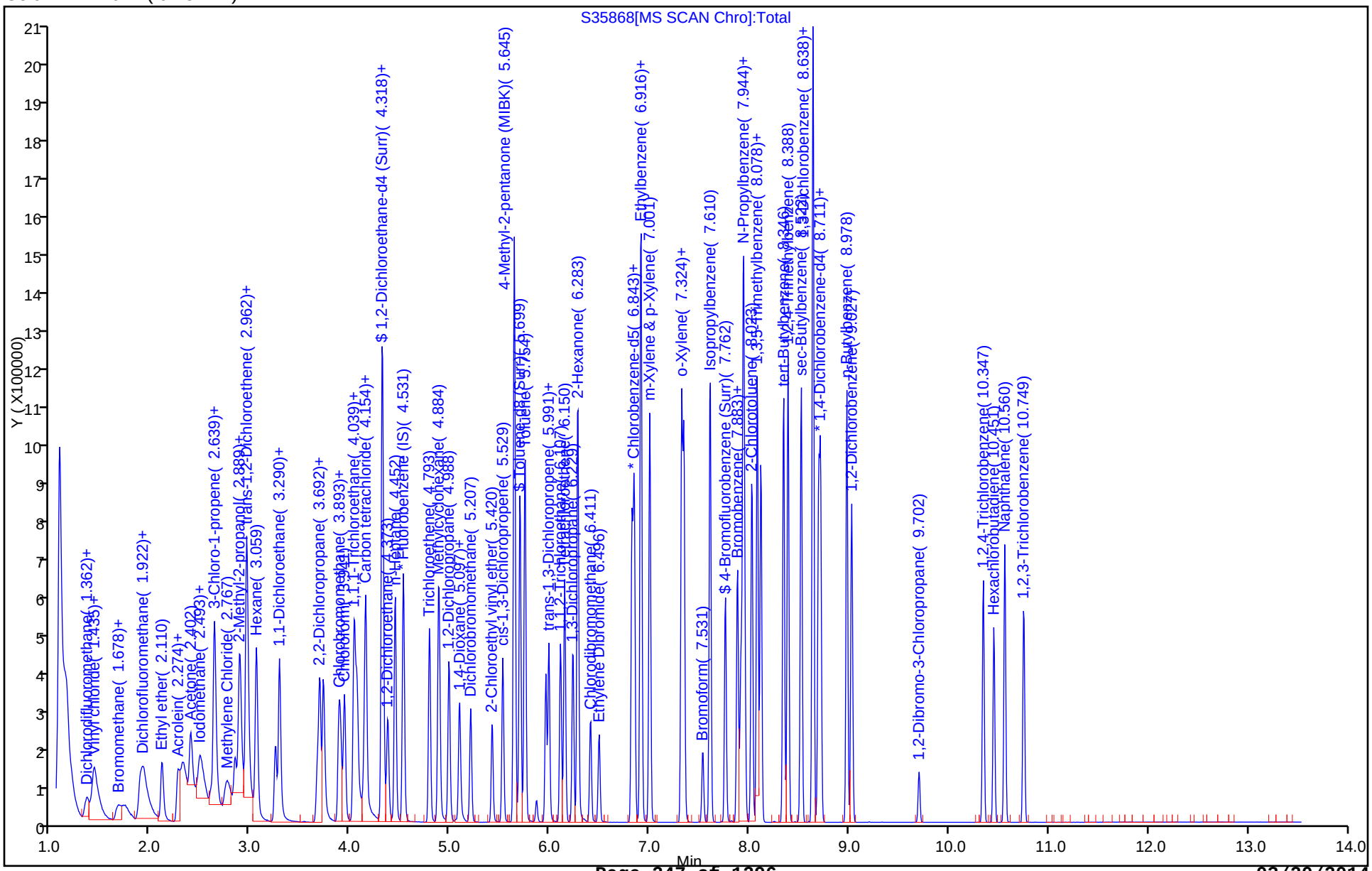
Report Date: 13-Mar-2014 11:24:03 Chrom Revision: 2.1 17-Feb-2014 09:05:58

TestAmerica Buffalo

Data File: \\Bufchrom\ChromData\HP5973S\20140313-30132.b\S35868.D

Injection Date:	13-Mar-2014 09:57:30	Instrument ID:	HP5973S	Operator ID:	gtg
Lims ID:	CCVIS	Lab Sample ID:		Worklist Smp#:	3
Client ID:					
Purge Vol:	5.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	3
Method:	S-8260	Limit Group:	MV - 8260C ICAL		

Column: ZB-624 (0.25 mm)



Manual Integration/User Assign Peak Report

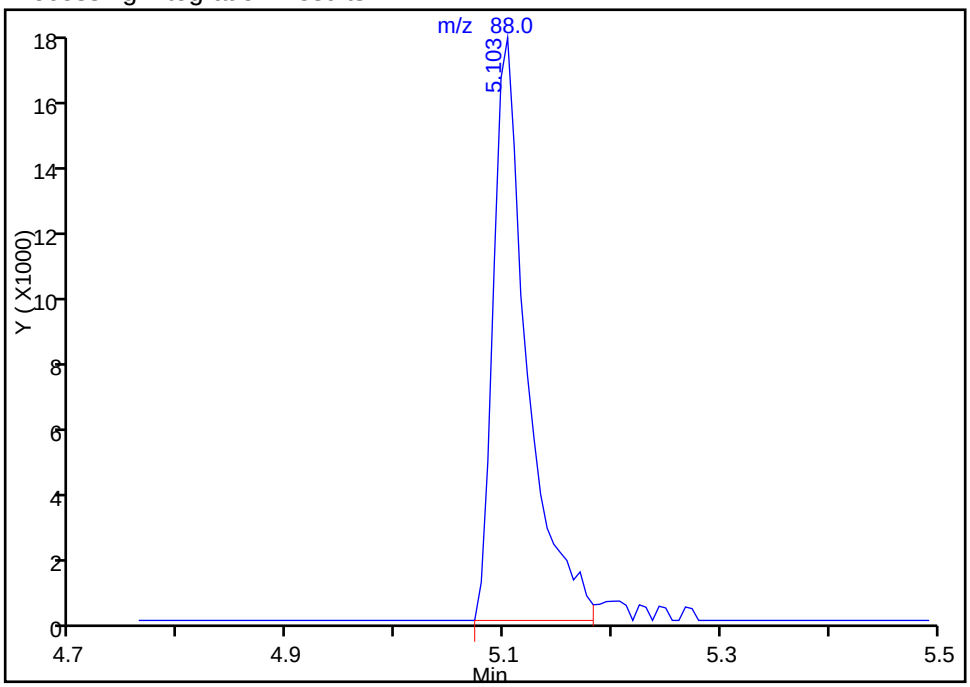
TestAmerica Buffalo

Data File: \\Bufchrom\ChromData\HP5973S\20140313-30132.b\S35868.D
Injection Date: 13-Mar-2014 09:57:30 Instrument ID: HP5973S
Lims ID: CCVIS Lab Sample ID:
Client ID:
Operator ID: gtg ALS Bottle#: 3 Worklist Smp#: 3
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: S-8260 Limit Group: MV - 8260C ICAL
Column: ZB-624 (0.25 mm) Detector MS SCAN

66 1,4-Dioxane, CAS: 123-91-1

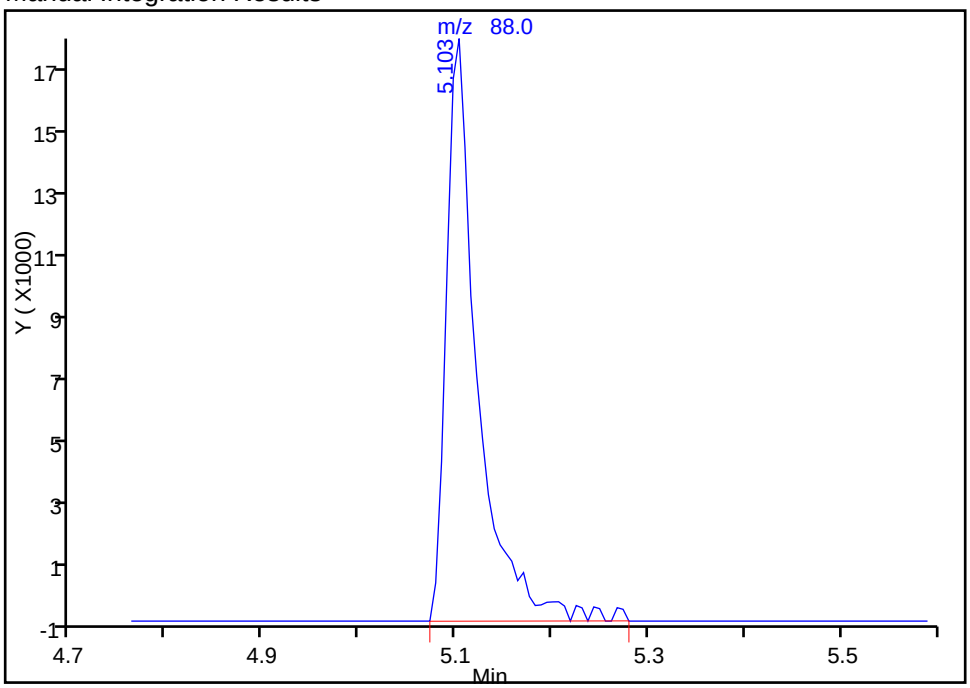
Processing Integration Results

RT: 5.10
Response: 38078
Amount: 612.5530



Manual Integration Results

RT: 5.10
Response: 39917
Amount: 642.1366



Reviewer: goliszekg, 13-Mar-2014 11:24:02
Audit Action: Manually Integrated
Audit Reason: Poor chromatography

FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Buffalo Job No.: 480-55783-1

SDG No.:

Lab Sample ID: CCVIS 480-169643/4 Calibration Date: 03/11/2014 20:42

Instrument ID: HP5975D Calib Start Date: 02/26/2014 00:41

GC Column: RTX-CLPII ID: 0.53(mm) Calib End Date: 02/26/2014 02:46

Lab File ID: D9941.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	0.4051	0.4305	0.1000	26.6	25.0	6.3	20.0
Chloromethane	Ave	0.5945	0.6003	0.1000	25.2	25.0	1.0	20.0
Vinyl chloride	Ave	0.5190	0.5072	0.1000	24.4	25.0	-2.3	20.0
Butadiene	Ave	0.5161	0.5309		25.7	25.0	2.9	20.0
Bromomethane	Lin1		0.2131	0.1000	24.2	25.0	-3.3	20.0
Chloroethane	Ave	0.2577	0.2508	0.1000	24.3	25.0	-2.7	20.0
Dichlorofluoromethane	Ave	0.5745	0.5097		22.2	25.0	-11.3	20.0
Trichlorofluoromethane	Ave	0.3658	0.3098	0.1000	21.2	25.0	-15.3	20.0
Ethyl ether	Ave	0.3541	0.3389		23.9	25.0	-4.3	20.0
Acrolein	Ave	0.0830	0.0735		111	125	-11.4	20.0
1,1,2-Trichloro-1,2,2-triflu oroethane	Ave	0.3181	0.3015	0.1000	23.7	25.0	-5.2	20.0
1,1-Dichloroethene	Ave	0.3196	0.2946	0.1000	23.0	25.0	-7.8	20.0
Acetone	Ave	0.1188	0.1232	0.1000	130	125	3.7	20.0
Iodomethane	Ave	0.5247	0.4614		22.0	25.0	-12.1	20.0
Carbon disulfide	Ave	1.165	1.039	0.1000	22.3	25.0	-10.8	20.0
Allyl chloride	Ave	0.8230	0.7686		23.3	25.0	-6.6	20.0
Methyl acetate	Ave	0.4052	0.4103	0.1000	127	125	1.3	20.0
Methylene Chloride	Ave	0.3784	0.3536	0.1000	23.4	25.0	-6.6	20.0
2-Methyl-2-propanol	Qua		0.0433		255	250	2.0	20.0
Methyl tert-butyl ether	Ave	1.142	1.062	0.1000	23.2	25.0	-7.0	20.0
trans-1,2-Dichloroethene	Ave	0.3644	0.3349	0.1000	23.0	25.0	-8.1	20.0
Acrylonitrile	Ave	0.1873	0.1848		247	250	-1.3	20.0
Hexane	Ave	0.6644	0.6744		25.4	25.0	1.5	20.0
1,1-Dichloroethane	Ave	0.7476	0.7189	0.2000	24.0	25.0	-3.8	20.0
Vinyl acetate	Ave	0.9933	0.9797		49.3	50.0	-1.4	20.0
2,2-Dichloropropane	Ave	0.3515	0.2867		20.4	25.0	-18.5	20.0
cis-1,2-Dichloroethene	Ave	0.3918	0.3670	0.1000	23.4	25.0	-6.3	20.0
2-Butanone (MEK)	Ave	0.2162	0.2374	0.1000	137	125	9.8	20.0
Chlorobromomethane	Ave	0.1933	0.1759		22.8	25.0	-9.0	20.0
Tetrahydrofuran	Lin1		0.1627		50.3	50.0	0.7	20.0
Chloroform	Ave	0.6542	0.6058	0.2000	23.1	25.0	-7.4	20.0
1,1,1-Trichloroethane	Ave	0.4986	0.4503	0.1000	22.6	25.0	-9.7	20.0
Cyclohexane	Ave	0.8428	0.8188	0.1000	24.3	25.0	-2.8	20.0
Carbon tetrachloride	Ave	0.4456	0.4300	0.1000	24.1	25.0	-3.5	20.0
1,1-Dichloropropene	Ave	0.4615	0.4608		25.0	25.0	-0.1	20.0
Isobutyl alcohol	Ave	0.0183	0.0222		757	625	21.1*	20.0
Benzene	Ave	1.359	1.344	0.5000	24.7	25.0	-1.1	20.0
1,2-Dichloroethane	Ave	0.5191	0.5173	0.1000	24.9	25.0	-0.3	20.0
n-Heptane	Ave	0.7334	0.8078		27.5	25.0	10.1	20.0
Trichloroethene	Ave	0.3471	0.3443	0.2000	24.8	25.0	-0.8	20.0

FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Buffalo Job No.: 480-55783-1

SDG No.:

Lab Sample ID: CCVIS 480-169643/4 Calibration Date: 03/11/2014 20:42

Instrument ID: HP5975D Calib Start Date: 02/26/2014 00:41

GC Column: RTX-CLPII ID: 0.53(mm) Calib End Date: 02/26/2014 02:46

Lab File ID: D9941.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
Methylcyclohexane	Ave	0.6633	0.6397	0.1000	24.1	25.0	-3.6	20.0
1,2-Dichloropropane	Ave	0.3792	0.3985	0.1000	26.3	25.0	5.1	20.0
Dibromomethane	Ave	0.2164	0.2142	0.1000	24.7	25.0	-1.0	20.0
1,4-Dioxane	Lin1		0.0056		483	500	-3.5	20.0
Bromodichloromethane	Ave	0.4635	0.4742	0.2000	25.6	25.0	2.3	20.0
2-Chloroethyl vinyl ether	Ave	0.2333	0.2699		28.9	25.0	15.7	20.0
cis-1,3-Dichloropropene	Ave	0.5323	0.5699	0.2000	26.8	25.0	7.1	20.0
4-Methyl-2-pentanone (MIBK)	Ave	1.230	1.246	0.1000	127	125	1.4	20.0
Toluene	Ave	1.977	1.893	0.4000	23.9	25.0	-4.3	20.0
trans-1,3-Dichloropropene	Ave	1.141	1.160	0.1000	25.4	25.0	1.7	20.0
Ethyl methacrylate	Ave	1.121	1.153		25.7	25.0	2.9	20.0
1,1,2-Trichloroethane	Ave	0.6130	0.6065	0.1000	24.7	25.0	-1.1	20.0
Tetrachloroethene	Ave	0.8027	0.7153	0.2000	22.3	25.0	-10.9	20.0
1,3-Dichloropropane	Ave	1.201	1.231		25.6	25.0	2.5	20.0
2-Hexanone	Ave	0.7858	0.8204	0.1000	131	125	4.4	20.0
Dibromochloromethane	Ave	0.8386	0.8087	0.1000	23.6	24.5	-3.6	20.0
1,2-Dibromoethane	Ave	0.7457	0.7336		24.6	25.0	-1.6	20.0
Chlorobenzene	Ave	2.123	2.024	0.5000	23.8	25.0	-4.7	20.0
1,1,1,2-Tetrachloroethane	Ave	0.8103	0.7229		22.3	25.0	-10.8	20.0
Ethylbenzene	Ave	3.812	3.595	0.1000	23.6	25.0	-5.7	20.0
m,p-Xylene	Ave	1.433	1.348	0.1000	23.5	25.0	-6.0	20.0
o-Xylene	Ave	1.473	1.338	0.3000	22.7	25.0	-9.1	20.0
Styrene	Ave	2.412	2.270	0.3000	23.5	25.0	-5.9	20.0
Bromoform	Ave	0.5439	0.4984	0.1000	22.9	25.0	-8.4	20.0
Isopropylbenzene	Ave	4.281	4.451	0.1000	26.0	25.0	4.0	20.0
Bromobenzene	Ave	0.9935	0.9806		24.7	25.0	-1.3	20.0
1,1,2,2-Tetrachloroethane	Ave	1.262	1.335	0.3000	26.4	25.0	5.8	20.0
1,2,3-Trichloropropane	Ave	0.3535	0.3656		25.9	25.0	3.4	20.0
N-Propylbenzene	Ave	5.193	5.422		26.1	25.0	4.4	20.0
trans-1,4-Dichloro-2-butene	Ave	0.4365	0.4585		26.3	25.0	5.0	20.0
2-Chlorotoluene	Ave	0.9748	0.9938		25.5	25.0	1.9	20.0
1,3,5-Trimethylbenzene	Ave	3.593	3.718		25.9	25.0	3.5	20.0
4-Chlorotoluene	Ave	0.9836	1.005		25.5	25.0	2.1	20.0
tert-Butylbenzene	Ave	0.7192	0.7497		26.1	25.0	4.2	20.0
1,2,4-Trimethylbenzene	Ave	3.729	3.817		25.6	25.0	2.3	20.0
sec-Butylbenzene	Ave	4.647	4.847		26.1	25.0	4.3	20.0
1,3-Dichlorobenzene	Ave	1.945	1.884	0.6000	24.2	25.0	-3.1	20.0
4-Isopropyltoluene	Ave	3.945	4.030		25.5	25.0	2.1	20.0
1,4-Dichlorobenzene	Ave	1.972	1.907	0.5000	24.2	25.0	-3.3	20.0
n-Butylbenzene	Ave	3.863	4.026		26.1	25.0	4.2	20.0
1,2-Dichlorobenzene	Ave	1.960	1.881	0.4000	24.0	25.0	-4.0	20.0

FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Buffalo Job No.: 480-55783-1

SDG No.:

Lab Sample ID: CCVIS 480-169643/4 Calibration Date: 03/11/2014 20:42

Instrument ID: HP5975D Calib Start Date: 02/26/2014 00:41

GC Column: RTX-CLPII ID: 0.53(mm) Calib End Date: 02/26/2014 02:46

Lab File ID: D9941.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-Dibromo-3-Chloropropane	Ave	0.2574	0.2730	0.0500	26.5	25.0	6.0	20.0
1,2,4-Trichlorobenzene	Ave	1.451	1.315	0.2000	22.7	25.0	-9.3	20.0
Hexachlorobutadiene	Ave	0.7254	0.6361		21.9	25.0	-12.3	20.0
Naphthalene	Ave	4.044	3.951		24.4	25.0	-2.3	20.0
1,2,3-Trichlorobenzene	Ave	1.343	1.213		22.6	25.0	-9.7	20.0
Dibromofluoromethane (Surr)	Ave	0.3145	0.3016		24.0	25.0	-4.1	20.0
1,2-Dichloroethane-d4 (Surr)	Ave	0.2062	0.2075		25.2	25.0	0.6	20.0
Toluene-d8 (Surr)	Ave	2.754	2.657		24.1	25.0	-3.5	20.0
4-Bromofluorobenzene (Surr)	Ave	0.7959	0.7052		22.2	25.0	-11.4	20.0

TestAmerica Buffalo
Target Compound Quantitation Report

Data File: \\Bufchrom\ChromData\HP5975D\20140311-30102.b\D9941.D
Lims ID: CCVIS Lab Sample ID:
Client ID:
Sample Type: CCVIS
Inject. Date: 11-Mar-2014 20:42:30 ALS Bottle#: 1 Worklist Smp#: 4
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: CCVIS
Misc. Info.: 480-0030102-004
Operator ID: CDC Instrument ID: HP5975D
Sublist: chrom-D-8260*sub13

Method: \\Bufchrom\ChromData\HP5975D\20140311-30102.b\D-8260.m
Limit Group: MV - 8260C ICAL
Last Update: 11-Mar-2014 21:00:32 Calib Date: 26-Feb-2014 02:46:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\Bufchrom\ChromData\HP5975D\20140225-29773.b\D9836.D

Column 1 : ZB-624 (0.25 mm) Det: MS SCAN
Process Host: XAWRK029

First Level Reviewer: cwiklinc Date: 11-Mar-2014 21:00:31

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	On-Col Amt ug/L	Flags
* 147 Fluorobenzene (IS)	96	4.837	4.837	0.0	97	713691	25.0	
* 2 Chlorobenzene-d5	82	7.166	7.166	0.0	88	301485	25.0	
* 3 1,4-Dichlorobenzene-d4	152	9.068	9.068	0.0	78	244962	25.0	
$ 148 Dibromofluoromethane (Surr)	113	4.355	4.355	0.0	72	215216	24.0	
$ 4 1,2-Dichloroethane-d4 (Surr)	67	4.611	4.611	0.0	0	148109	25.2	
$ 5 Toluene-d8 (Surr)	98	6.032	6.032	0.0	93	801106	24.1	
$ 6 4-Bromofluorobenzene (Surr)	174	8.117	8.117	0.0	83	212599	22.2	
10 Dichlorodifluoromethane	85	1.331	1.331	0.0	87	307253	26.6	
12 Chloromethane	50	1.435	1.435	0.0	89	428434	25.2	
13 Vinyl chloride	62	1.545	1.545	0.0	83	362013	24.4	
144 Butadiene	54	1.563	1.563	0.0	93	378887	25.7	
14 Bromomethane	94	1.819	1.819	0.0	91	152066	24.2	
15 Chloroethane	64	1.917	1.917	0.0	98	179011	24.3	
16 Dichlorofluoromethane	67	2.093	2.093	0.0	97	363735	22.2	
17 Trichlorofluoromethane	101	2.124	2.124	0.0	92	221099	21.2	
18 Ethyl ether	59	2.319	2.319	0.0	98	241869	23.9	
20 Acrolein	56	2.459	2.459	0.0	92	262394	110.8	
21 1,1,2-Trichloro-1,2,2-trifluoroe	101	2.563	2.563	0.0	87	215172	23.7	
22 1,1-Dichloroethene	96	2.563	2.563	0.0	92	210239	23.0	
23 Acetone	43	2.606	2.606	0.0	99	439455	129.6	
25 Iodomethane	142	2.642	2.642	0.0	99	329287	22.0	
26 Carbon disulfide	76	2.734	2.734	0.0	100	741640	22.3	
28 3-Chloro-1-propene	41	2.831	2.831	0.0	84	548530	23.3	
27 Methyl acetate	43	2.874	2.874	0.0	97	1464065	126.6	
30 Methylene Chloride	84	2.953	2.953	0.0	90	252382	23.4	
31 2-Methyl-2-propanol	59	3.105	3.105	0.0	99	308801	255.0	
32 Methyl tert-butyl ether	73	3.154	3.154	0.0	90	757595	23.2	
34 trans-1,2-Dichloroethene	96	3.160	3.160	0.0	91	239045	23.0	
33 Acrylonitrile	53	3.185	3.185	0.0	99	1319152	246.7	
35 Hexane	57	3.343	3.343	0.0	94	481343	25.4	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	On-Col Amt ug/L	Flags
39 1,1-Dichloroethane	63	3.514	3.514	0.0	97	513072	24.0	
37 Vinyl acetate	43	3.557	3.557	0.0	96	1398368	49.3	
44 2,2-Dichloropropane	77	3.953	3.953	0.0	89	204577	20.4	
45 cis-1,2-Dichloroethene	96	3.977	3.977	0.0	73	261927	23.4	
43 2-Butanone (MEK)	43	4.002	4.002	0.0	97	847041	137.2	
48 Chlorobromomethane	128	4.166	4.166	0.0	91	125547	22.8	
49 Tetrahydrofuran	42	4.203	4.203	0.0	93	232165	50.3	
50 Chloroform	83	4.233	4.233	0.0	82	432335	23.1	
51 1,1,1-Trichloroethane	97	4.337	4.337	0.0	92	321374	22.6	
52 Cyclohexane	56	4.355	4.355	0.0	94	584351	24.3	
55 Carbon tetrachloride	117	4.453	4.453	0.0	78	306885	24.1	
54 1,1-Dichloropropene	75	4.459	4.459	0.0	93	328865	25.0	
53 Isobutyl alcohol	43	4.617	4.617	0.0	94	396267	757.0	
57 Benzene	78	4.623	4.623	0.0	97	959140	24.7	
58 1,2-Dichloroethane	62	4.666	4.666	0.0	94	369162	24.9	
59 n-Heptane	43	4.782	4.782	0.0	98	576522	27.5	
62 Trichloroethene	95	5.117	5.117	0.0	98	245703	24.8	
64 Methylcyclohexane	83	5.221	5.221	0.0	98	456522	24.1	
65 1,2-Dichloropropane	63	5.294	5.294	0.0	94	284422	26.3	
67 Dibromomethane	93	5.404	5.404	0.0	90	152854	24.7	
66 1,4-Dioxane	88	5.416	5.416	0.0	94	33879	482.6	
68 Dichlorobromomethane	83	5.520	5.520	0.0	92	338433	25.6	
69 2-Chloroethyl vinyl ether	63	5.733	5.733	0.0	92	192652	28.9	
72 cis-1,3-Dichloropropene	75	5.849	5.849	0.0	88	406705	26.8	
73 4-Methyl-2-pentanone (MIBK)	43	5.952	5.952	0.0	98	1878788	126.7	
74 Toluene	92	6.081	6.081	0.0	97	570582	23.9	
77 trans-1,3-Dichloropropene	75	6.282	6.282	0.0	93	349799	25.4	
75 Ethyl methacrylate	69	6.318	6.318	0.0	92	347737	25.7	
79 1,1,2-Trichloroethane	83	6.428	6.428	0.0	88	182847	24.7	
81 Tetrachloroethene	166	6.501	6.501	0.0	89	215648	22.3	
82 1,3-Dichloropropane	76	6.556	6.556	0.0	96	371171	25.6	
80 2-Hexanone	43	6.599	6.599	0.0	98	1236707	130.5	
83 Chlorodibromomethane	129	6.739	6.739	0.0	89	238947	23.6	
84 Ethylene Dibromide	107	6.824	6.824	0.0	97	221174	24.6	
87 Chlorobenzene	112	7.190	7.190	0.0	91	610318	23.8	
88 Ethylbenzene	91	7.257	7.257	0.0	99	1083881	23.6	
89 1,1,1,2-Tetrachloroethane	131	7.257	7.257	0.0	39	217953	22.3	
90 m-Xylene & p-Xylene	106	7.349	7.349	0.0	0	406453	23.5	
91 o-Xylene	106	7.678	7.678	0.0	96	403522	22.7	
92 Styrene	104	7.696	7.696	0.0	95	684349	23.5	
95 Bromoform	173	7.879	7.879	0.0	95	150244	22.9	
94 Isopropylbenzene	105	7.964	7.964	0.0	96	1090376	26.0	
101 Bromobenzene	156	8.245	8.245	0.0	97	240201	24.7	
97 1,1,2,2-Tetrachloroethane	83	8.257	8.257	0.0	95	327054	26.4	
100 1,2,3-Trichloropropane	110	8.293	8.293	0.0	82	89545	25.9	
98 trans-1,4-Dichloro-2-butene	53	8.300	8.300	0.0	65	112310	26.3	
99 N-Propylbenzene	91	8.300	8.300	0.0	98	1328238	26.1	
103 2-Chlorotoluene	126	8.391	8.391	0.0	95	243430	25.5	
102 1,3,5-Trimethylbenzene	105	8.446	8.446	0.0	64	910741	25.9	
105 4-Chlorotoluene	126	8.482	8.482	0.0	97	246126	25.5	
106 tert-Butylbenzene	134	8.714	8.714	0.0	93	183654	26.1	
107 1,2,4-Trimethylbenzene	105	8.757	8.757	0.0	97	934969	25.6	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	On-Col Amt ug/L	Flags
109 sec-Butylbenzene	105	8.891	8.891	0.0	95	1187306	26.1	
110 4-Isopropyltoluene	119	9.013	9.013	0.0	95	987096	25.5	
111 1,3-Dichlorobenzene	146	9.013	9.013	0.0	95	461598	24.2	
113 1,4-Dichlorobenzene	146	9.092	9.092	0.0	93	467068	24.2	
115 n-Butylbenzene	91	9.354	9.354	0.0	98	986185	26.1	
116 1,2-Dichlorobenzene	146	9.403	9.403	0.0	95	460822	24.0	
117 1,2-Dibromo-3-Chloropropane	75	10.074	10.074	0.0	77	66862	26.5	
119 1,2,4-Trichlorobenzene	180	10.750	10.750	0.0	90	322190	22.7	
120 Hexachlorobutadiene	225	10.866	10.866	0.0	95	155824	21.9	
121 Naphthalene	128	10.958	10.958	0.0	97	967761	24.4	
122 1,2,3-Trichlorobenzene	180	11.159	11.159	0.0	94	297083	22.6	
S 125 1,2-Dichloroethene, Total	1				0		46.4	
S 126 1,3-Dichloropropene, Total	1				0		52.2	
S 123 Total BTEX	1				0		118.5	
S 124 Xylenes, Total	1				0		46.2	

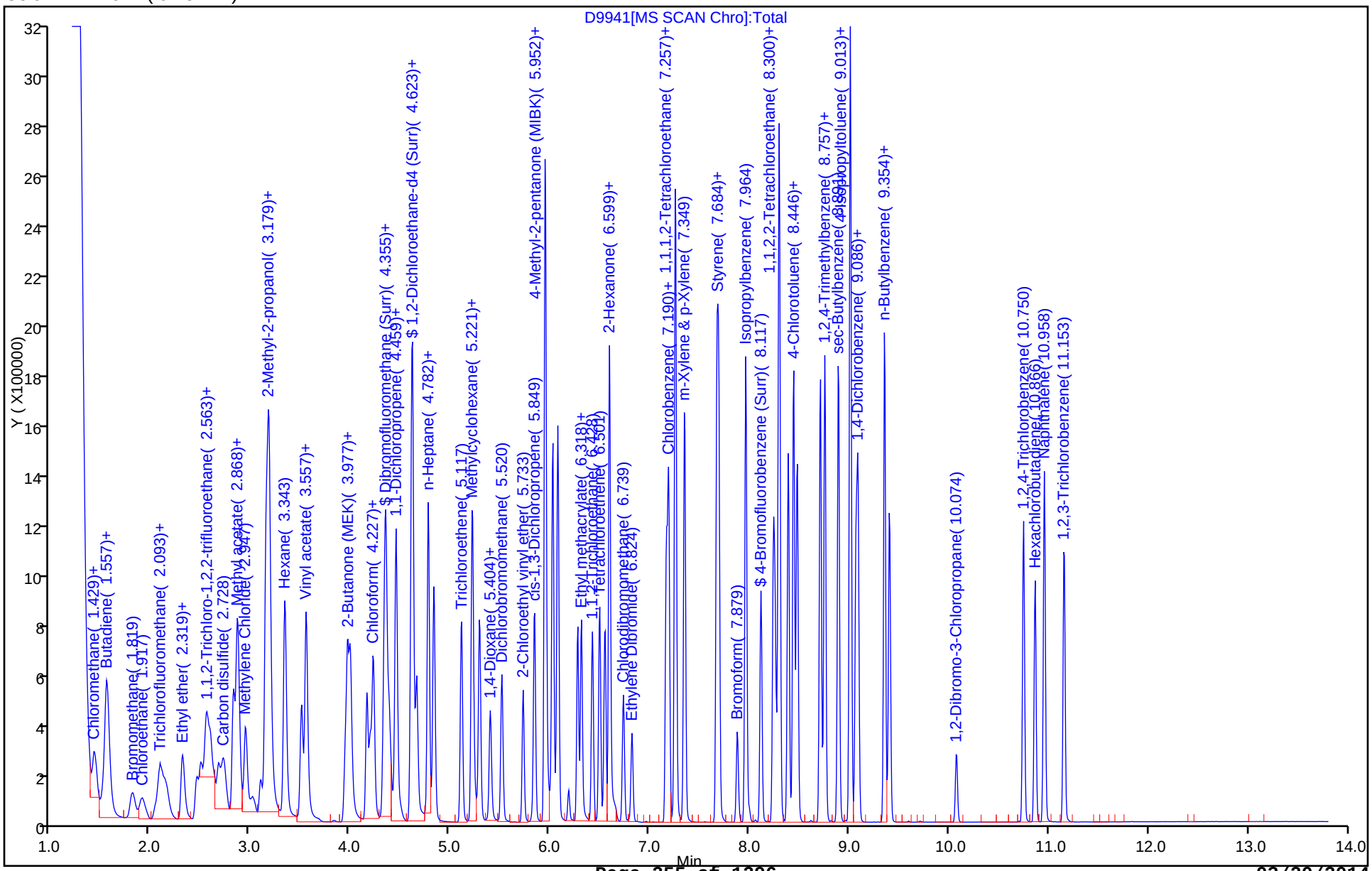
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TestAmerica Buffalo

Data File: \\Bufchrom\ChromData\HP5975D\20140311-30102.b\D9941.D

Injection Date:	11-Mar-2014 20:42:30	Instrument ID:	HP5975D	Operator ID:	CDC
Lims ID:	CCVIS	Lab Sample ID:		Worklist Smp#:	4
Client ID:					
Purge Vol:	5.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	1
Method:	D-8260	Limit Group:	MV - 8260C ICAL		

Column: ZB-624 (0.25 mm)



TestAmerica Buffalo
Target Compound Quantitation Report

Data File:	\\Bufchrom\ChromData\HP5973S\20140204-29280.b\S34494.D				
Lims ID:	BFB	Lab Sample ID:			
Client ID:					
Sample Type:	BFB				
Inject. Date:	04-Feb-2014 20:47:30	ALS Bottle#:	4	Worklist Smp#:	4
Purge Vol:	5.000 mL	Dil. Factor:	1.0000		
Sample Info:	BFB				
Misc. Info.:	480-0029280-004 =480-0029280-004				
Operator ID:	NMD	Instrument ID:	HP5973S		
Method:	\\Bufchrom\ChromData\HP5973S\20140204-29280.b\S-8260.m				
Limit Group:	MV - 8260C ICAL				
Last Update:	04-Feb-2014 21:09:53	Calib Date:	04-Feb-2014 07:13:30		
Integrator:	RTE	ID Type:	RT Order ID		
Quant Method:	Internal Standard	Quant By:	Initial Calibration		
Last ICal File:	\\Bufchrom\ChromData\HP5973S\20140204-29252.b\S34483.D				
Column 1 :	ZB-624 (0.25 mm)		Det: MS SCAN		
Process Host:	XAWRK029				
First Level Reviewer: diasn		Date:	04-Feb-2014 21:09:52		

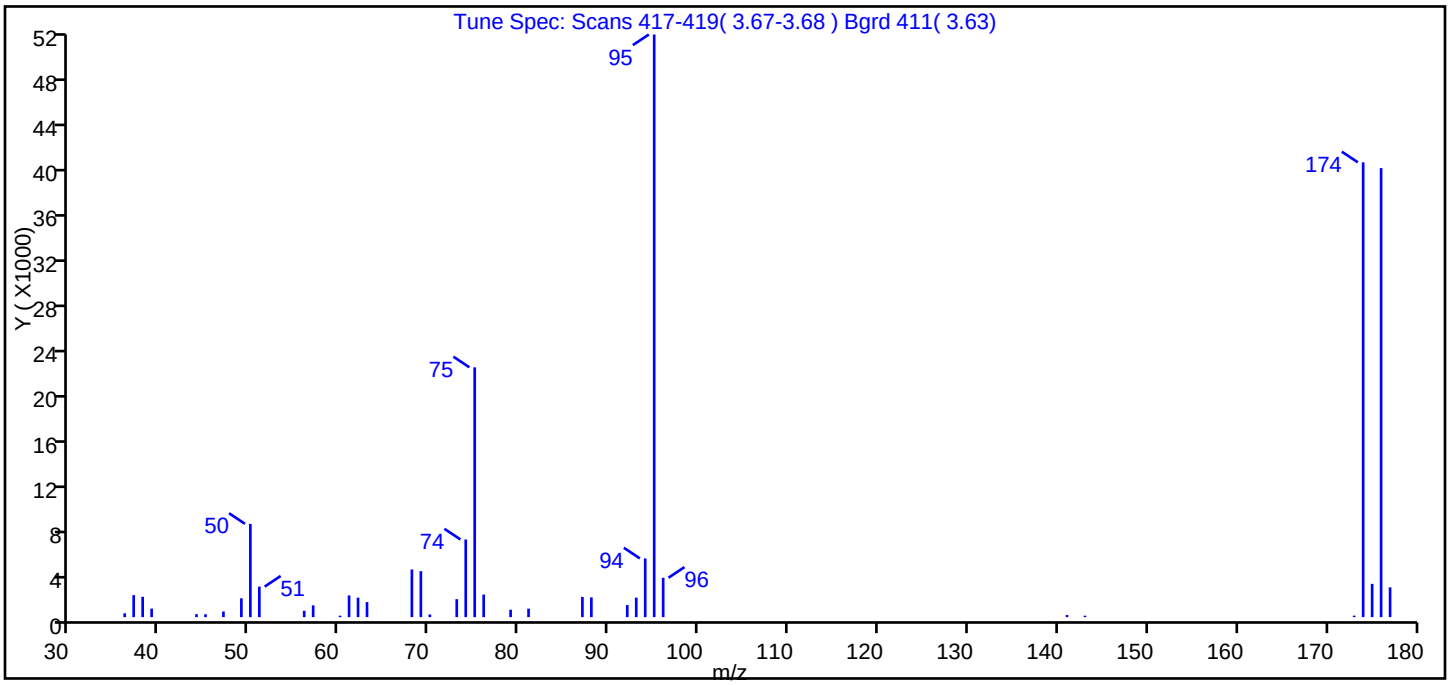
Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	On-Col Amt ug/L	Flags
$ 61 BFB	95	3.672	3.672	0.0	0	99856	NR	

MS Tune Report

TestAmerica Buffalo

Data File: \\Bufchrom\ChromData\HP5973S\20140204-29280.b\S34494.D
Injection Date: 04-Feb-2014 20:47:30 Instrument ID: HP5973S
Lims ID: BFB Lab Sample ID:
Client ID:
Operator ID: NMD ALS Bottle#: 4 Worklist Smp#: 4
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: S-8260 Limit Group: MV - 8260C ICAL
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	16.00
75	30.00 - 60.00% of mass 95	42.90
96	5.00 - 9.00% of mass 95	6.80
173	Less than 2.00% of mass 174	0.30 (0.30)
174	50.00 - 120.00% of mass 95	78.10
175	5.00 - 9.00% of mass 174	5.70 (7.30)
176	95.00 - 101.00% of mass 174	77.10 (98.70)
177	5.00 - 9.00% of mass 176	5.10 (6.60)

Data File: \\Bufchrom\ChromData\HP5973S\20140204-29280.b\S34494.D\S-8260.rslt\spectra.d
Injection Date: 04-Feb-2014 20:47:30
Spectrum: Tune Spec: Scans 417-419(3.67-3.68) Bgrd 411(3.63)
Base Peak: 95.00
Minimum % Base Peak: 0
Number of Points: 39

m/z	Y	m/z	Y	m/z	Y	m/z	Y
36.00	341	56.00	562	74.00	6879	95.00	51592
37.00	1950	57.00	1042	75.00	22120	96.00	3487
38.00	1800	60.00	131	76.00	1998	141.00	188
39.00	755	61.00	1922	79.00	658	143.00	130
44.00	265	62.00	1725	81.00	748	173.00	135
45.00	254	63.00	1332	87.00	1790	174.00	40272
47.00	500	68.00	4220	88.00	1748	175.00	2947
49.00	1667	69.00	4071	92.00	1068	176.00	39760
50.00	8259	70.00	239	93.00	1728	177.00	2636
51.00	2702	73.00	1594	94.00	5198		

TestAmerica Buffalo
Target Compound Quantitation Report

Data File: \\Bufchrom\ChromData\HP5973S\20140313-30132.b\S35867.D
Lims ID: BFB Lab Sample ID:
Client ID:
Sample Type: BFB
Inject. Date: 13-Mar-2014 09:23:30 ALS Bottle#: 2 Worklist Smp#: 2
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: BFB
Misc. Info.: 480-0030132-002 =480-0030132-002
Operator ID: gtg Instrument ID: HP5973S

Method: \\Bufchrom\ChromData\HP5973S\20140313-30132.b\S-8260.m
Limit Group: MV - 8260C ICAL
Last Update: 13-Mar-2014 09:36:57 Calib Date: 05-Feb-2014 03:36:30
Integrator: RTE ID Type: RT Order ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\Bufchrom\ChromData\HP5973S\20140204-29280.b\S34512.D

Column 1 : ZB-624 (0.25 mm) Det: MS SCAN
Process Host: XAWRK014

First Level Reviewer: goliszekg Date: 13-Mar-2014 09:36:57

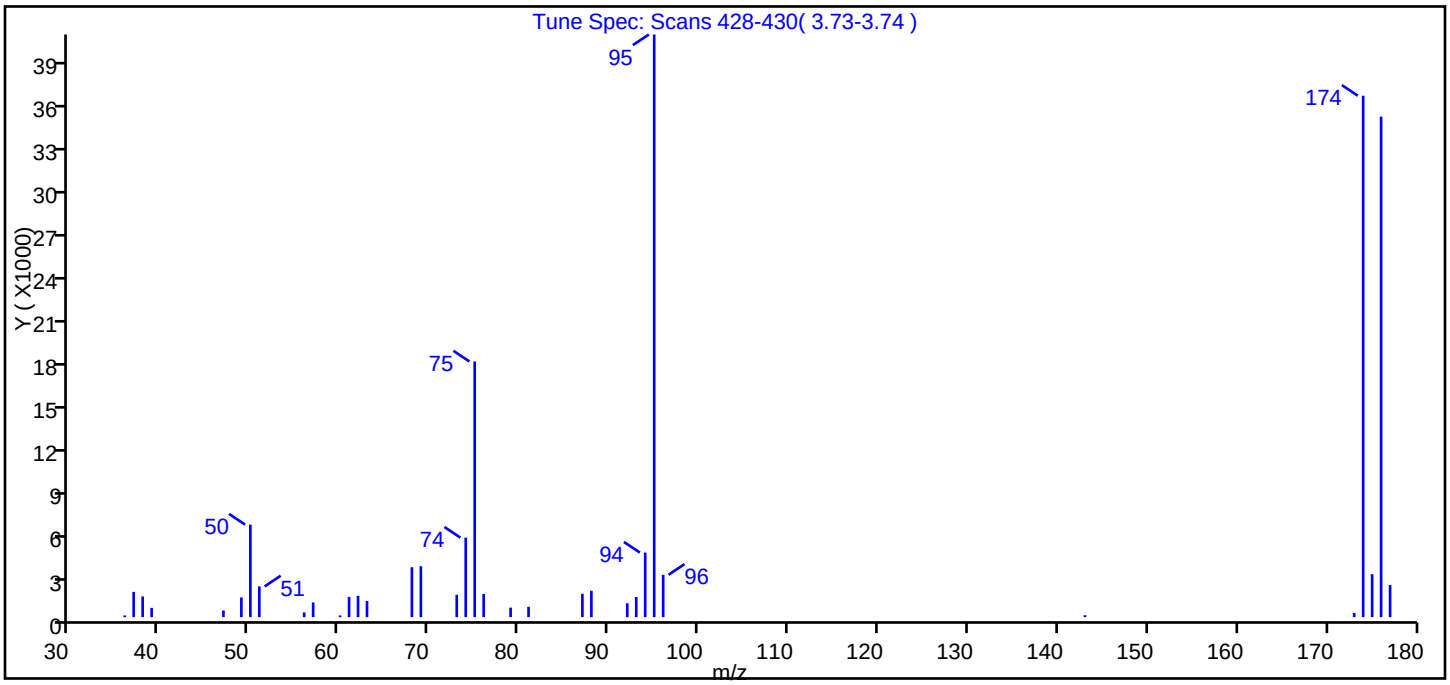
Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	On-Col Amt ug/L	Flags
$ 61 BFB	95	3.739	3.739	0.0	0	128892	NR	

MS Tune Report

TestAmerica Buffalo

Data File: \\Bufchrom\ChromData\HP5973S\20140313-30132.b\S35867.D
Injection Date: 13-Mar-2014 09:23:30 Instrument ID: HP5973S
Lims ID: BFB Lab Sample ID:
Client ID:
Operator ID: gtg ALS Bottle#: 2 Worklist Smp#: 2
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: S-8260 Limit Group: MV - 8260C ICAL
Tune Method: BFB Method 8260

$ 61 BFB



m/z	Ion Abundance Criteria	% Relative Abundance
95	Base Peak, 100% relative abundance	100.00
50	15.00 - 40.00% of mass 95	15.90
75	30.00 - 60.00% of mass 95	43.90
96	5.00 - 9.00% of mass 95	7.30
173	Less than 2.00% of mass 174	0.70 (0.80)
174	50.00 - 120.00% of mass 95	89.50
175	5.00 - 9.00% of mass 174	7.40 (8.20)
176	95.00 - 101.00% of mass 174	85.90 (96.00)
177	5.00 - 9.00% of mass 176	5.50 (6.40)

Data File: \\Bufchrom\ChromData\HP5973S\20140313-30132.b\S35867.D\S-8260.rslt\spectra.d
Injection Date: 13-Mar-2014 09:23:30
Spectrum: Tune Spec: Scans 428-430(3.73-3.74)
Base Peak: 95.00
Minimum % Base Peak: 0
Number of Points: 35

m/z	Y	m/z	Y	m/z	Y	m/z	Y
36.00	120	57.00	1023	75.00	17800	95.00	40560
37.00	1759	60.00	119	76.00	1612	96.00	2947
38.00	1444	61.00	1410	79.00	663	143.00	135
39.00	645	62.00	1484	81.00	721	173.00	292
47.00	463	63.00	1125	87.00	1626	174.00	36296
49.00	1373	68.00	3474	88.00	1838	175.00	2991
50.00	6444	69.00	3543	92.00	963	176.00	34848
51.00	2140	73.00	1555	93.00	1401	177.00	2241
56.00	333	74.00	5534	94.00	4494		

TestAmerica Buffalo
Target Compound Quantitation Report

Data File: \\Bufchrom\ChromData\HP5975D\20140225-29773.b\D9828.D
Lims ID: BFB Lab Sample ID:
Client ID:
Sample Type: BFB
Inject. Date: 25-Feb-2014 23:54:30 ALS Bottle#: 1 Worklist Smp#: 3
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: BFB
Misc. Info.: 480-0029773-003
Operator ID: CDC Instrument ID: HP5975D

Method: \\Bufchrom\ChromData\HP5975D\20140225-29773.b\D-8260.m
Limit Group: MV - 8260C ICAL
Last Update: 26-Feb-2014 00:05:36 Calib Date: 25-Feb-2014 03:54:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\Bufchrom\ChromData\HP5975D\20140224-29742.b\D9817.D

Column 1 : ZB-624 (0.25 mm) Det: MS SCAN
Process Host: XAWRK037

First Level Reviewer: cwiklinc Date: 26-Feb-2014 00:05:36

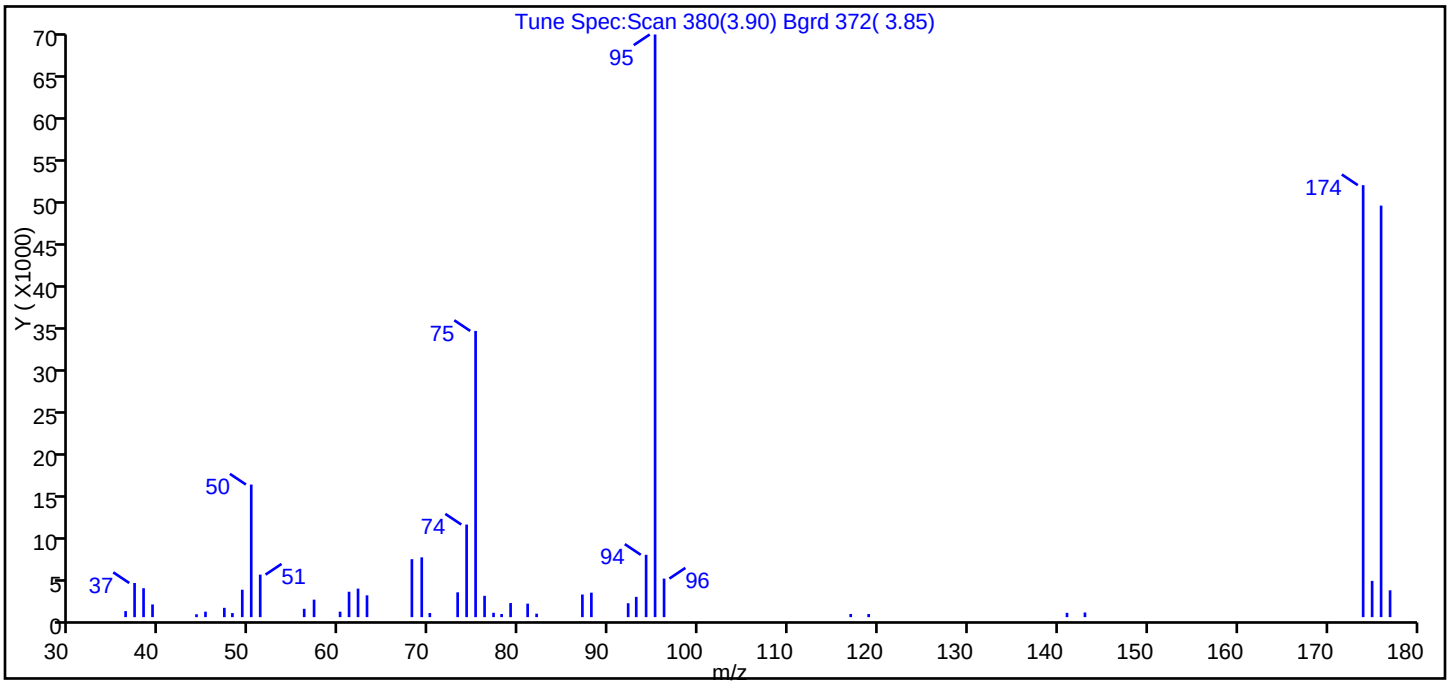
Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	On-Col Amt ug/L	Flags
$ 61 BFB	95	3.904	3.904	0.0	0	119393	NR	

MS Tune Report

TestAmerica Buffalo

Data File: \\Bufchrom\ChromData\HP5975D\20140225-29773.b\D9828.D
Injection Date: 25-Feb-2014 23:54:30 Instrument ID: HP5975D
Lims ID: BFB Lab Sample ID:
Client ID:
Operator ID: CDC ALS Bottle#: 1 Worklist Smp#: 3
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: D-8260 Limit Group: MV - 8260C ICAL
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	22.80
75	30.00 - 60.00% of mass 95	49.10
96	5.00 - 9.00% of mass 95	6.60
173	Less than 2.00% of mass 174	0.00 (0.00)
174	50.00 - 120.00% of mass 95	74.10
175	5.00 - 9.00% of mass 174	6.20 (8.40)
176	95.00 - 101.00% of mass 174	70.60 (95.30)
177	5.00 - 9.00% of mass 176	4.60 (6.50)

Data File: \\Bufchrom\ChromData\HP5975D\20140225-29773.b\D9828.D\D-8260.rslt\spectra.d
Injection Date: 25-Feb-2014 23:54:30
Spectrum: Tune Spec:Scan 380(3.90) Bgrd 372(3.85)
Base Peak: 95.10
Minimum % Base Peak: 0
Number of Points: 44

m/z	Y	m/z	Y	m/z	Y	m/z	Y
36.10	724	56.00	1001	75.10	34344	94.10	7480
37.10	4097	57.10	2101	76.10	2559	95.10	69920
38.10	3470	60.00	659	77.10	523	96.10	4628
39.10	1526	61.00	3047	78.00	380	116.90	380
44.00	346	62.00	3420	79.00	1693	118.90	375
45.00	656	63.00	2616	80.90	1620	141.00	518
47.10	1118	68.00	6953	81.90	417	143.00	558
48.00	490	69.10	7175	87.00	2714	174.00	51840
49.10	3291	70.00	496	88.00	2939	175.00	4349
50.10	15912	73.10	2979	92.10	1669	176.00	49384
51.10	5104	74.10	11111	93.00	2432	177.00	3222

TestAmerica Buffalo
Target Compound Quantitation Report

Data File: \\Bufchrom\ChromData\HP5975D\20140311-30102.b\D9940.D
Lims ID: BFB Lab Sample ID:
Client ID:
Sample Type: BFB
Inject. Date: 11-Mar-2014 20:22:30 ALS Bottle#: 1 Worklist Smp#: 3
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: BFB
Misc. Info.: 480-0030102-003
Operator ID: CDC Instrument ID: HP5975D

Method: \\Bufchrom\ChromData\HP5975D\20140311-30102.b\D-8260.m
Limit Group: MV - 8260C ICAL
Last Update: 11-Mar-2014 20:28:13 Calib Date: 26-Feb-2014 02:46:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\Bufchrom\ChromData\HP5975D\20140225-29773.b\D9836.D

Column 1 : ZB-624 (0.25 mm) Det: MS SCAN
Process Host: XAWRK029

First Level Reviewer: cwiklinc Date: 11-Mar-2014 20:28:12

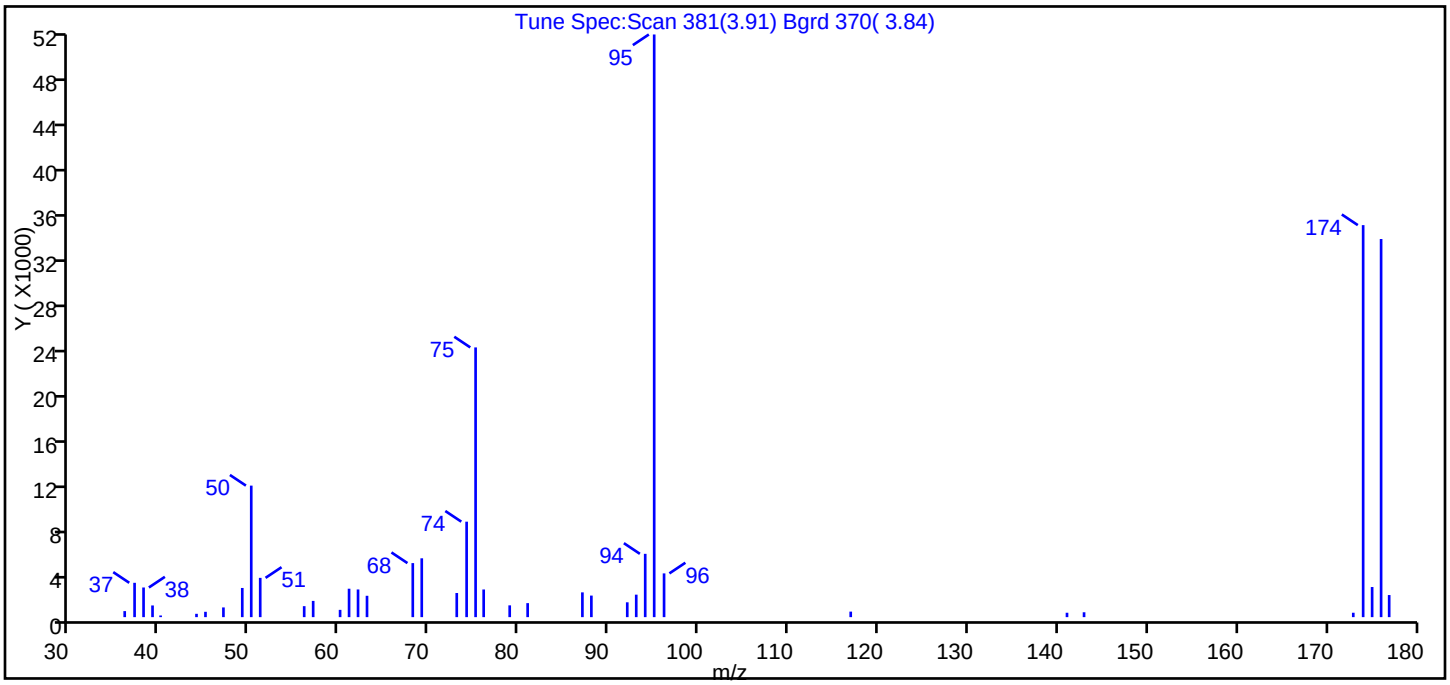
Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	On-Col Amt ug/L	Flags
$ 61 BFB	95	3.909	3.909	0.0	0	86043	NR	

MS Tune Report

TestAmerica Buffalo

Data File: \\Bufchrom\ChromData\HP5975D\20140311-30102.b\D9940.D
Injection Date: 11-Mar-2014 20:22:30 Instrument ID: HP5975D
Lims ID: BFB Lab Sample ID:
Client ID:
Operator ID: CDC ALS Bottle#: 1 Worklist Smp#: 3
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: D-8260 Limit Group: MV - 8260C ICAL
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	22.60
75	30.00 - 60.00% of mass 95	46.30
96	5.00 - 9.00% of mass 95	7.50
173	Less than 2.00% of mass 174	0.80 (1.10)
174	50.00 - 120.00% of mass 95	67.30
175	5.00 - 9.00% of mass 174	5.20 (7.70)
176	95.00 - 101.00% of mass 174	64.90 (96.50)
177	5.00 - 9.00% of mass 176	3.80 (5.80)

Data File: \\Bufchrom\ChromData\HP5975D\20140311-30102.b\D9940.D\D-8260.rslt\spectra.d
Injection Date: 11-Mar-2014 20:22:30
Spectrum: Tune Spec:Scan 381(3.91) Bgrd 370(3.84)
Base Peak: 95.00
Minimum % Base Peak: 0
Number of Points: 40

m/z	Y	m/z	Y	m/z	Y	m/z	Y
36.00	532	51.10	3462	74.10	8413	95.00	51344
37.10	3026	56.00	968	75.10	23768	96.10	3855
38.10	2613	57.00	1431	76.00	2438	116.90	487
39.10	1030	60.00	642	78.90	1039	141.00	387
40.00	146	61.00	2505	80.90	1235	142.90	430
44.00	294	62.00	2439	87.00	2183	172.90	388
45.00	471	63.00	1882	88.00	1900	174.00	34544
47.00	856	68.10	4762	92.00	1308	175.00	2654
49.10	2571	69.10	5185	93.00	1981	176.00	33320
50.10	11590	73.00	2126	94.00	5579	176.90	1947

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Buffalo Job No.: 480-55783-1

SDG No.:

Client Sample ID: Lab Sample ID: MB 480-169643/8

Matrix: Water Lab File ID: D9945.D

Analysis Method: 8260C Date Collected:

Sample wt/vol: 5(mL) Date Analyzed: 03/11/2014 22:19

Soil Aliquot Vol: Dilution Factor: 1

Soil Extract Vol.: GC Column: RTX-CLPII ID: 0.53(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 169643 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
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	ND		1.0	0.31
79-00-5	1,1,2-Trichloroethane	ND		1.0	0.23
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
78-93-3	2-Butanone (MEK)	ND		10	1.3
591-78-6	2-Hexanone	ND		5.0	1.2
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
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
124-48-1	Dibromochloromethane	ND		1.0	0.32
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.: 480-55783-1

SDG No.:

Client Sample ID: | Lab Sample ID: MB 480-169643/8

Matrix: Water | Lab File ID: D9945.D

Analysis Method: 8260C | Date Collected:

Sample wt/vol: 5(mL) | Date Analyzed: 03/11/2014 22:19

Soil Aliquot Vol: | Dilution Factor: 1

Soil Extract Vol.: | GC Column: RTX-CLPII ID: 0.53(mm)

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

Analysis Batch No.: 169643 | Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
79-20-9	Methyl acetate	ND		2.5	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)	101		66-137
460-00-4	4-Bromofluorobenzene (Surr)	91		73-120
2037-26-5	Toluene-d8 (Surr)	99		71-126
1868-53-7	Dibromofluoromethane (Surr)	98		60-140

TestAmerica Buffalo
Target Compound Quantitation Report

Data File: \\Bufchrom\ChromData\HP5975D\20140311-30102.b\D9945.D
Lims ID: MB Lab Sample ID: MB 480-169643/8-A
Client ID:
Sample Type: MB
Inject. Date: 11-Mar-2014 22:19:30 ALS Bottle#: 5 Worklist Smp#: 8
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: MB
Misc. Info.: 480-0030102-008
Operator ID: CDC Instrument ID: HP5975D

Method: \\Bufchrom\ChromData\HP5975D\20140311-30102.b\D-8260.m
Limit Group: MV - 8260C ICAL
Last Update: 11-Mar-2014 22:51:27 Calib Date: 26-Feb-2014 02:46:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\Bufchrom\ChromData\HP5975D\20140225-29773.b\D9836.D

Column 1 : ZB-624 (0.25 mm) Det: MS SCAN
Process Host: XAWRK029

First Level Reviewer: cwiklinc Date: 11-Mar-2014 22:51:27

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	On-Col Amt ug/L	Flags
* 147 Fluorobenzene (IS)	96	4.837	4.837	0.0	98	710197	25.0	
* 2 Chlorobenzene-d5	82	7.166	7.166	0.0	89	280476	25.0	
* 3 1,4-Dichlorobenzene-d4	152	9.068	9.068	0.0	97	238648	25.0	
$ 148 Dibromofluoromethane (Surr)	113	4.355	4.355	0.0	57	217748	24.4	
$ 4 1,2-Dichloroethane-d4 (Surr)	67	4.605	4.605	0.0	0	148253	25.3	
$ 5 Toluene-d8 (Surr)	98	6.032	6.032	0.0	94	762089	24.7	
$ 6 4-Bromofluorobenzene (Surr)	174	8.117	8.117	0.0	83	203857	22.8	
10 Dichlorodifluoromethane	85		1.331					
11 Chlorodifluoromethane	51		1.362					
12 Chloromethane	50		1.435					
13 Vinyl chloride	62		1.545					
144 Butadiene	54		1.563					
14 Bromomethane	94		1.819					
15 Chloroethane	64		1.917					
16 Dichlorofluoromethane	67		2.093					
17 Trichlorofluoromethane	101		2.124					
141 Ethanol	45		2.301					
18 Ethyl ether	59		2.319					
19 Propene oxide	58		2.386					
20 Acrolein	56		2.459					
22 1,1-Dichloroethene	96		2.563					
21 1,1,2-Trichloro-1,2,2-trifluoroe	101		2.563					
23 Acetone	43		2.606					
25 Iodomethane	142		2.642					
26 Carbon disulfide	76		2.734					
24 Isopropyl alcohol	45		2.770					
28 3-Chloro-1-propene	41		2.831					
29 Acetonitrile	40		2.862					
27 Methyl acetate	43		2.874					
30 Methylene Chloride	84		2.953					
31 2-Methyl-2-propanol	59		3.105					

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	On-Col Amt ug/L	Flags
32 Methyl tert-butyl ether	73		3.154					
34 trans-1,2-Dichloroethene	96		3.160					
33 Acrylonitrile	53		3.185					
35 Hexane	57		3.343					
39 1,1-Dichloroethane	63		3.514					
132 Halothane	117		3.538					
36 Isopropyl ether	45		3.538					
37 Vinyl acetate	43		3.557					
40 2-Chloro-1,3-butadiene	53		3.569					
38 1,1-Dimethoxyethane	75		3.593					
41 Tert-butyl ethyl ether	59		3.825					
44 2,2-Dichloropropane	77		3.953					
45 cis-1,2-Dichloroethene	96		3.977					
43 2-Butanone (MEK)	43		4.002					
42 Ethyl acetate	43		4.032					
46 Propionitrile	54		4.069					
48 Chlorobromomethane	128		4.166					
47 Methacrylonitrile	41		4.166					
49 Tetrahydrofuran	42		4.203					
50 Chloroform	83		4.233					
51 1,1,1-Trichloroethane	97		4.337					
52 Cyclohexane	56		4.355					
55 Carbon tetrachloride	117		4.453					
54 1,1-Dichloropropene	75		4.459					
53 Isobutyl alcohol	43		4.617					
57 Benzene	78		4.623					
146 Isooctane	57		4.642					
58 1,2-Dichloroethane	62		4.666					
140 t-Amyl alcohol	59		4.666					
56 Tert-amyl methyl ether	73		4.691					
59 n-Heptane	43		4.782					
1 1,4-Difluorobenzene	114		4.922					
154 2,4,4-Trimethyl-1-pentene	55		5.038					
60 n-Butanol	56		5.111					
62 Trichloroethene	95		5.117					
64 Methylcyclohexane	83		5.221					
145 Ethyl acrylate	55		5.221					
153 2,4,4-Trimethyl-2-pentene	97		5.221					
65 1,2-Dichloropropane	63		5.294					
63 Methyl methacrylate	41		5.373					
67 Dibromomethane	93		5.404					
66 1,4-Dioxane	88		5.416					
68 Dichlorobromomethane	83		5.520					
70 2-Nitropropane	43		5.703					
69 2-Chloroethyl vinyl ether	63		5.733					
71 Epichlorohydrin	57		5.800					
72 cis-1,3-Dichloropropene	75		5.849					
73 4-Methyl-2-pentanone (MIBK)	43		5.952					
74 Toluene	92		6.081					
76 2-Methylthiophene	97		6.184					
77 trans-1,3-Dichloropropene	75		6.282					
78 3-Methylthiophene	97		6.312					

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	On-Col Amt ug/L	Flags
75 Ethyl methacrylate	69		6.318					
79 1,1,2-Trichloroethane	83		6.428					
81 Tetrachloroethene	166		6.501					
82 1,3-Dichloropropane	76		6.556					
80 2-Hexanone	43		6.599					
83 Chlorodibromomethane	129		6.739					
84 Ethylene Dibromide	107		6.824					
139 1-Chlorohexane	55		7.147					
85 3-Chlorobenzotrifluoride	180		7.154					
87 Chlorobenzene	112		7.190					
86 4-Chlorobenzotrifluoride	180		7.202					
89 1,1,1,2-Tetrachloroethane	131		7.257					
88 Ethylbenzene	91		7.257					
90 m-Xylene & p-Xylene	106		7.349					
91 o-Xylene	106		7.678					
92 Styrene	104		7.696					
95 Bromoform	173		7.879					
93 2-Chlorobenzotrifluoride	180		7.897					
94 Isopropylbenzene	105		7.964					
96 Cyclohexanone	55		8.092					
101 Bromobenzene	156		8.245					
97 1,1,2,2-Tetrachloroethane	83		8.257					
100 1,2,3-Trichloropropane	110		8.293					
98 trans-1,4-Dichloro-2-butene	53		8.300					
99 N-Propylbenzene	91		8.300					
103 2-Chlorotoluene	126		8.391					
104 3-Chlorotoluene	126		8.440					
102 1,3,5-Trimethylbenzene	105		8.446					
105 4-Chlorotoluene	126		8.482					
106 tert-Butylbenzene	134		8.714					
107 1,2,4-Trimethylbenzene	105		8.757					
108 Pentachloroethane	167		8.757					
109 sec-Butylbenzene	105		8.891					
111 1,3-Dichlorobenzene	146		9.013					
110 4-Isopropyltoluene	119		9.013					
114 Dicyclopentadiene	66		9.080					
113 1,4-Dichlorobenzene	146		9.092					
112 1,2,3-Trimethylbenzene	105		9.110					
143 Benzyl chloride	91		9.208					
115 n-Butylbenzene	91		9.354					
116 1,2-Dichlorobenzene	146		9.403					
117 1,2-Dibromo-3-Chloropropane	75		10.074					
118 1,3,5-Trichlorobenzene	180		10.220					
119 1,2,4-Trichlorobenzene	180		10.750					
120 Hexachlorobutadiene	225		10.866					
121 Naphthalene	128		10.958					
122 1,2,3-Trichlorobenzene	180		11.159					
142 2-Methylnaphthalene	142		11.836					
151 Methyl acrylate	1		0.0					
152 cis-1,4-Dichloro-2-butene	88		0.0					
149 Hexachloroethane	117		0.0					
150 Nitrobenzene	77		0.0					

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	On-Col Amt ug/L	Flags
S 123 Total BTEX	1		30.000					
S 124 Xylenes, Total	1		30.000					
S 125 1,2-Dichloroethene, Total	1		30.000					
S 126 1,3-Dichloropropene, Total	1		30.000					
T 7 Ethylene oxide	44		2.000					
T 135 1-Bromopropane	43		4.154					
T 136 Propene oxide TIC	1		0.0					
T 138 Ethylene oxide TIC	1		0.0					
T 137 1-Bromopropane TIC	1		0.0					
T 130 Bromoethane TIC	1		0.0					
T 129 Aziridine TIC	1		0.0					
T 133 bis(chloromethyl)ether TIC	1		0.0					
T 134 Pentachloroethane TIC	1		0.0					
T 131 tert-amyl alcohol TIC	1		0.0					
T 9 bis(2-chloromethyl)ether TIC	1		0.0					
T 128 Hexachloroethane TIC	1		0.0					
T 127 Ethanol TIC	45		0.0					

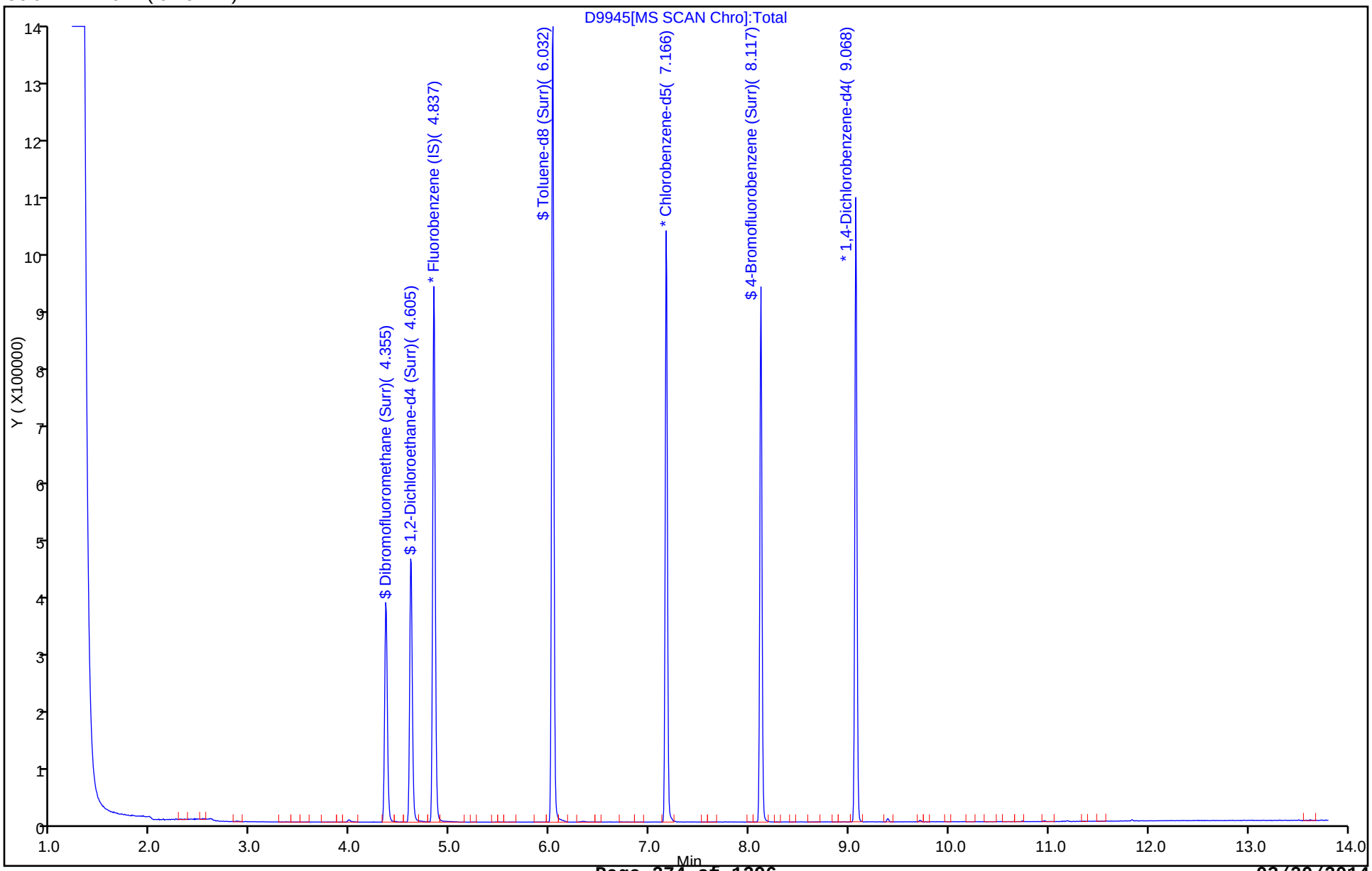
Report Date: 11-Mar-2014 22:51:27 Chrom Revision: 2.1 17-Feb-2014 09:05:58

TestAmerica Buffalo

Data File: \\Bufchrom\ChromData\HP5975D\20140311-30102.b\D9945.D

Injection Date:	11-Mar-2014 22:19:30	Instrument ID:	HP5975D	Operator ID:	CDC
Lims ID:	MB	Lab Sample ID:	MB 480-169643/8-A	Worklist Smp#:	8
Client ID:					
Purge Vol:	5.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	5
Method:	D-8260	Limit Group:	MV - 8260C ICAL		

Column: ZB-624 (0.25 mm)



FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Buffalo | Job No.: 480-55783-1

SDG No.:

Client Sample ID: | Lab Sample ID: MB 480-169830/7

Matrix: Water | Lab File ID: S35872.D

Analysis Method: 8260C | Date Collected:

Sample wt/vol: 5(mL) | Date Analyzed: 03/13/2014 11:34

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.: 169830 | 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
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	ND		1.0	0.31
79-00-5	1,1,2-Trichloroethane	ND		1.0	0.23
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
78-93-3	2-Butanone (MEK)	ND		10	1.3
591-78-6	2-Hexanone	ND		5.0	1.2
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
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
124-48-1	Dibromochloromethane	ND		1.0	0.32
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.: 480-55783-1

SDG No.:

Client Sample ID: | Lab Sample ID: MB 480-169830/7

Matrix: Water | Lab File ID: S35872.D

Analysis Method: 8260C | Date Collected:

Sample wt/vol: 5(mL) | Date Analyzed: 03/13/2014 11:34

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.: 169830 | Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
79-20-9	Methyl acetate	ND		2.5	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)	103		66-137
460-00-4	4-Bromofluorobenzene (Surr)	96		73-120
2037-26-5	Toluene-d8 (Surr)	101		71-126
1868-53-7	Dibromofluoromethane (Surr)	103		60-140

TestAmerica Buffalo
Target Compound Quantitation Report

Data File: \\Bufchrom\ChromData\HP5973S\20140313-30132.b\S35872.D
Lims ID: MB Lab Sample ID: MB 480-169830/7-A
Client ID:
Sample Type: MB
Inject. Date: 13-Mar-2014 11:34:30 ALS Bottle#: 7 Worklist Smp#: 7
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: MB
Misc. Info.: 480-0030132-007 =480-0030132-007
Operator ID: gtg Instrument ID: HP5973S

Method: \\Bufchrom\ChromData\HP5973S\20140313-30132.b\S-8260.m
Limit Group: MV - 8260C ICAL
Last Update: 13-Mar-2014 12:00:47 Calib Date: 05-Feb-2014 03:36:30
Integrator: RTE ID Type: RT Order ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\Bufchrom\ChromData\HP5973S\20140204-29280.b\S34512.D

Column 1 : ZB-624 (0.25 mm) Det: MS SCAN
Process Host: XAWRK014

First Level Reviewer: goliszekg Date: 13-Mar-2014 12:00:47

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	On-Col Amt ug/L	Flags
* 153 Fluorobenzene (IS)	70	4.531	4.531	0.0	100	86654	25.0	
* 2 Chlorobenzene-d5	82	6.825	6.825	0.0	82	180410	25.0	
* 3 1,4-Dichlorobenzene-d4	152	8.693	8.693	0.0	93	168482	25.0	
$ 154 Dibromofluoromethane (Surr)	113	4.069	4.069	0.0	58	99779	25.7	
$ 4 1,2-Dichloroethane-d4 (Surr)	67	4.318	4.318	0.0	0	63327	25.8	
$ 5 Toluene-d8 (Surr)	98	5.699	5.699	0.0	93	432674	25.3	
$ 6 4-Bromofluorobenzene (Surr)	174	7.762	7.762	0.0	92	128502	24.1	
10 Dichlorodifluoromethane	85		1.216					
11 Chlorodifluoromethane	51		1.240					
12 Chloromethane	50		1.362					
13 Vinyl chloride	62		1.423					
151 Butadiene	54		1.441					
14 Bromomethane	94		1.678					
15 Chloroethane	64		1.763					
17 Trichlorofluoromethane	101		1.903					
16 Dichlorofluoromethane	67		1.909					
18 Ethyl ether	59		2.110					
148 Ethanol	45		2.116					
19 Propene oxide	58		2.195					
20 Acrolein	56		2.274					
21 1,1,2-Trichloro-1,2,2-trifluoroe	101		2.299					
22 1,1-Dichloroethene	96		2.335					
23 Acetone	43		2.402					
25 Iodomethane	142		2.481					
26 Carbon disulfide	76		2.499					
24 Isopropyl alcohol	45		2.542					
28 3-Chloro-1-propene	41		2.633					
27 Methyl acetate	43		2.639					
29 Acetonitrile	40		2.670					
30 Methylene Chloride	84		2.767					
31 2-Methyl-2-propanol	59		2.846					

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	On-Col Amt ug/L	Flags
32 Methyl tert-butyl ether	73		2.889					
34 trans-1,2-Dichloroethene	96		2.931					
33 Acrylonitrile	53		2.962					
35 Hexane	57		3.059					
39 1,1-Dichloroethane	63		3.254					
36 Isopropyl ether	45		3.254					
37 Vinyl acetate	43		3.290					
40 2-Chloro-1,3-butadiene	53		3.297					
38 1,1-Dimethoxyethane	75		3.321					
139 Halothane	117		3.523					
41 Tert-butyl ethyl ether	59		3.528					
44 2,2-Dichloropropane	77		3.674					
45 cis-1,2-Dichloroethene	96		3.698					
43 2-Butanone (MEK)	43		3.728					
42 Ethyl acetate	43		3.747					
46 Propionitrile	54		3.826					
48 Chlorobromomethane	128		3.887					
49 Tetrahydrofuran	42		3.905					
47 Methacrylonitrile	41		3.905					
50 Chloroform	83		3.941					
51 1,1,1-Trichloroethane	97		4.039					
52 Cyclohexane	56		4.045					
55 Carbon tetrachloride	117		4.148					
54 1,1-Dichloropropene	75		4.154					
152 Isooctane	57		4.313					
53 Isobutyl alcohol	43		4.318					
57 Benzene	78		4.325					
58 1,2-Dichloroethane	62		4.373					
56 Tert-amyl methyl ether	73		4.373					
147 t-Amyl alcohol	59		4.373					
59 n-Heptane	43		4.452					
1 1,4-Difluorobenzene	114		4.617					
62 Trichloroethene	95		4.793					
60 n-Butanol	56		4.811					
64 Methylcyclohexane	83		4.890					
142 Ethyl acrylate	55		4.890					
65 1,2-Dichloropropane	63		4.988					
141 2,4,4-Trimethyl-1-pentene	55		4.994					
63 Methyl methacrylate	41		5.061					
67 Dibromomethane	93		5.091					
66 1,4-Dioxane	88		5.103					
140 2,4,4-Trimethyl-2-pentene	97		5.153					
68 Dichlorobromomethane	83		5.207					
70 2-Nitropropane	43		5.414					
69 2-Chloroethyl vinyl ether	63		5.420					
71 Epichlorohydrin	57		5.499					
72 cis-1,3-Dichloropropene	75		5.529					
73 4-Methyl-2-pentanone (MIBK)	43		5.645					
74 Toluene	92		5.754					
76 2-Methylthiophene	97		5.858					
77 trans-1,3-Dichloropropene	75		5.961					
78 3-Methylthiophene	97		5.979					

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	On-Col Amt ug/L	Flags
75 Ethyl methacrylate	69		5.991					
79 1,1,2-Trichloroethane	83		6.107					
81 Tetrachloroethene	166		6.150					
82 1,3-Dichloropropane	76		6.235					
80 2-Hexanone	43		6.277					
83 Chlorodibromomethane	129		6.411					
84 Ethylene Dibromide	107		6.496					
146 1-Chlorohexane	55		6.801					
85 3-Chlorobenzotrifluoride	180		6.813					
87 Chlorobenzene	112		6.849					
86 4-Chlorobenzotrifluoride	180		6.862					
88 Ethylbenzene	91		6.910					
89 1,1,1,2-Tetrachloroethane	131		6.916					
90 m-Xylene & p-Xylene	106		7.001					
91 o-Xylene	106		7.324					
92 Styrene	104		7.342					
95 Bromoform	173		7.537					
93 2-Chlorobenzotrifluoride	180		7.549					
94 Isopropylbenzene	105		7.610					
96 Cyclohexanone	55		7.750					
101 Bromobenzene	156		7.883					
97 1,1,2,2-Tetrachloroethane	83		7.914					
99 N-Propylbenzene	91		7.938					
100 1,2,3-Trichloropropane	110		7.950					
98 trans-1,4-Dichloro-2-butene	53		7.956					
103 2-Chlorotoluene	126		8.029					
102 1,3,5-Trimethylbenzene	105		8.078					
104 3-Chlorotoluene	126		8.078					
105 4-Chlorotoluene	126		8.115					
106 tert-Butylbenzene	134		8.346					
107 1,2,4-Trimethylbenzene	105		8.388					
108 Pentachloroethane	167		8.395					
109 sec-Butylbenzene	105		8.522					
111 1,3-Dichlorobenzene	146		8.638					
110 4-Isopropyltoluene	119		8.638					
114 Dicyclopentadiene	66		8.693					
113 1,4-Dichlorobenzene	146		8.717					
112 1,2,3-Trimethylbenzene	105		8.741					
150 Benzyl chloride	126		8.845					
115 n-Butylbenzene	91		8.978					
116 1,2-Dichlorobenzene	146		9.027					
117 1,2-Dibromo-3-Chloropropane	75		9.702					
118 1,3,5-Trichlorobenzene	180		9.818					
119 1,2,4-Trichlorobenzene	180		10.347					
120 Hexachlorobutadiene	225		10.451					
121 Naphthalene	128		10.560					
122 1,2,3-Trichlorobenzene	180		10.755					
149 2-Methylnaphthalene	142		11.436					
145 Ethylene oxide TIC	1		0.0					
135 Hexachloroethane	117		0.0					
134 Pentachloroethane TIC	1		0.0					
143 Propene oxide TIC	1		0.0					

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	On-Col Amt ug/L	Flags
136 Nitrobenzene	77		0.0					
137 Methyl acrylate	1		0.0					
144 1-Bromopropane TIC	1		0.0					
138 cis-1,4-Dichloro-2-butene	88		0.0					
S 125 1,2-Dichloroethene, Total	1		30.000					
S 126 1,3-Dichloropropene, Total	1		30.000					
S 123 Total BTEX	1		30.000					
S 124 Xylenes, Total	1		30.000					
T 7 Ethylene oxide	44		1.528					
T 130 Bromoethane TIC	1		0.0					
T 129 bis(chloromethyl)ether TIC	1		0.0					
T 132 tert-amyl alcohol TIC	1		0.0					
T 131 1-Bromopropane	1		0.0					
T 133 Aziridine TIC	1		0.0					
T 128 Hexachloroethane TIC	1		0.0					
T 127 Ethanol TIC	45		0.0					
T 9 bis(2-chloromethyl)ether TIC	1		0.0					

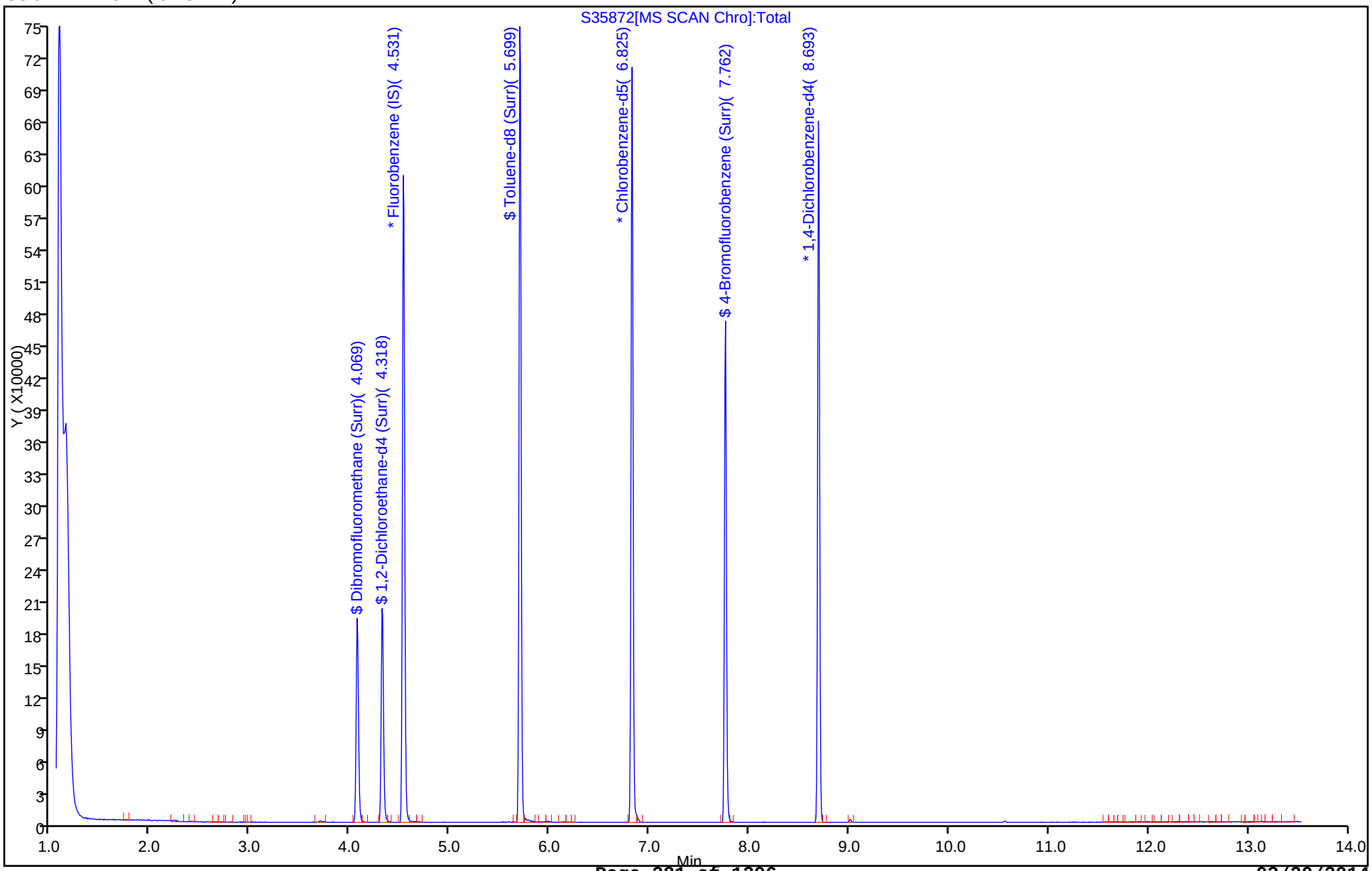
Report Date: 13-Mar-2014 12:00:48 Chrom Revision: 2.1 17-Feb-2014 09:05:58

TestAmerica Buffalo

Data File: \\Bufchrom\ChromData\HP5973S\20140313-30132.b\S35872.D

Injection Date:	13-Mar-2014 11:34:30	Instrument ID:	HP5973S	Operator ID:	gtg
Lims ID:	MB	Lab Sample ID:	MB 480-169830/7-A	Worklist Smp#:	7
Client ID:					
Purge Vol:	5.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	7
Method:	S-8260	Limit Group:	MV - 8260C ICAL		

Column: ZB-624 (0.25 mm)



FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Buffalo | Job No.: 480-55783-1

SDG No.:

Client Sample ID: | Lab Sample ID: LCS 480-169643/6

Matrix: Water | Lab File ID: D9943.D

Analysis Method: 8260C | Date Collected:

Sample wt/vol: 5(mL) | Date Analyzed: 03/11/2014 21:36

Soil Aliquot Vol: | Dilution Factor: 1

Soil Extract Vol.: | GC Column: RTX-CLPII ID: 0.53(mm)

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

Analysis Batch No.: 169643 | Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
71-55-6	1,1,1-Trichloroethane	24.3		1.0	0.82
79-34-5	1,1,2,2-Tetrachloroethane	26.8		1.0	0.21
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	24.4		1.0	0.31
79-00-5	1,1,2-Trichloroethane	24.8		1.0	0.23
75-34-3	1,1-Dichloroethane	25.0		1.0	0.38
75-35-4	1,1-Dichloroethene	23.5		1.0	0.29
120-82-1	1,2,4-Trichlorobenzene	23.1		1.0	0.41
96-12-8	1,2-Dibromo-3-Chloropropane	26.2		1.0	0.39
106-93-4	1,2-Dibromoethane	24.9		1.0	0.73
95-50-1	1,2-Dichlorobenzene	24.7		1.0	0.79
107-06-2	1,2-Dichloroethane	24.0		1.0	0.21
78-87-5	1,2-Dichloropropane	26.4		1.0	0.72
541-73-1	1,3-Dichlorobenzene	24.9		1.0	0.78
106-46-7	1,4-Dichlorobenzene	24.9		1.0	0.84
78-93-3	2-Butanone (MEK)	128		10	1.3
591-78-6	2-Hexanone	130		5.0	1.2
108-10-1	4-Methyl-2-pentanone (MIBK)	126		5.0	2.1
67-64-1	Acetone	110		10	3.0
71-43-2	Benzene	25.4		1.0	0.41
75-27-4	Bromodichloromethane	26.0		1.0	0.39
75-25-2	Bromoform	23.1		1.0	0.26
74-83-9	Bromomethane	26.3		1.0	0.69
75-15-0	Carbon disulfide	23.3		1.0	0.19
56-23-5	Carbon tetrachloride	24.7		1.0	0.27
108-90-7	Chlorobenzene	24.5		1.0	0.75
75-00-3	Chloroethane	25.5		1.0	0.32
67-66-3	Chloroform	23.9		1.0	0.34
74-87-3	Chloromethane	26.3		1.0	0.35
156-59-2	cis-1,2-Dichloroethene	24.2		1.0	0.81
10061-01-5	cis-1,3-Dichloropropene	26.7		1.0	0.36
110-82-7	Cyclohexane	25.4		1.0	0.18
124-48-1	Dibromochloromethane	24.0		1.0	0.32
75-71-8	Dichlorodifluoromethane	27.9		1.0	0.68
100-41-4	Ethylbenzene	24.6		1.0	0.74
98-82-8	Isopropylbenzene	26.7		1.0	0.79

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Buffalo | Job No.: 480-55783-1

SDG No.:

Client Sample ID: | Lab Sample ID: LCS 480-169643/6

Matrix: Water | Lab File ID: D9943.D

Analysis Method: 8260C | Date Collected:

Sample wt/vol: 5(mL) | Date Analyzed: 03/11/2014 21:36

Soil Aliquot Vol: | Dilution Factor: 1

Soil Extract Vol.: | GC Column: RTX-CLPII ID: 0.53(mm)

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

Analysis Batch No.: 169643 | Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
79-20-9	Methyl acetate	119		2.5	0.50
1634-04-4	Methyl tert-butyl ether	24.0		1.0	0.16
108-87-2	Methylcyclohexane	25.2		1.0	0.16
75-09-2	Methylene Chloride	24.1		1.0	0.44
100-42-5	Styrene	24.4		1.0	0.73
127-18-4	Tetrachloroethene	23.2		1.0	0.36
108-88-3	Toluene	24.7		1.0	0.51
156-60-5	trans-1,2-Dichloroethene	24.0		1.0	0.90
10061-02-6	trans-1,3-Dichloropropene	25.5		1.0	0.37
79-01-6	Trichloroethene	25.5		1.0	0.46
75-69-4	Trichlorofluoromethane	24.2		1.0	0.88
75-01-4	Vinyl chloride	25.7		1.0	0.90
1330-20-7	Xylenes, Total	48.1		2.0	0.66

CAS NO.	SURROGATE	%REC	Q	LIMITS
17060-07-0	1,2-Dichloroethane-d4 (Surr)	100		66-137
460-00-4	4-Bromofluorobenzene (Surr)	90		73-120
2037-26-5	Toluene-d8 (Surr)	98		71-126
1868-53-7	Dibromofluoromethane (Surr)	97		60-140

TestAmerica Buffalo
Target Compound Quantitation Report

Data File: \\Bufchrom\ChromData\HP5975D\20140311-30102.b\D9943.D
Lims ID: LCS Lab Sample ID: LCS 480-169644/6-A
Client ID:
Sample Type: LCS
Inject. Date: 11-Mar-2014 21:36:30 ALS Bottle#: 3 Worklist Smp#: 6
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: LCS
Misc. Info.: 480-0030102-006
Operator ID: CDC Instrument ID: HP5975D

Method: \\Bufchrom\ChromData\HP5975D\20140311-30102.b\D-8260.m
Limit Group: MV - 8260C ICAL
Last Update: 11-Mar-2014 22:50:33 Calib Date: 26-Feb-2014 02:46:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\Bufchrom\ChromData\HP5975D\20140225-29773.b\D9836.D

Column 1 : ZB-624 (0.25 mm) Det: MS SCAN
Process Host: XAWRK029

First Level Reviewer: cwiklinc Date: 11-Mar-2014 22:50:33

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	On-Col Amt ug/L	Flags
* 147 Fluorobenzene (IS)	96	4.837	4.837	0.0	97	698795	25.0	
* 2 Chlorobenzene-d5	82	7.166	7.166	0.0	88	288406	25.0	
* 3 1,4-Dichlorobenzene-d4	152	9.068	9.068	0.0	70	236610	25.0	
$ 148 Dibromofluoromethane (Surr)	113	4.355	4.355	0.0	65	213128	24.2	
$ 4 1,2-Dichloroethane-d4 (Surr)	67	4.605	4.605	0.0	0	144309	25.0	
$ 5 Toluene-d8 (Surr)	98	6.032	6.032	0.0	93	778395	24.5	
$ 6 4-Bromofluorobenzene (Surr)	174	8.117	8.117	0.0	84	207547	22.6	
10 Dichlorodifluoromethane	85	1.338	1.331	0.007	87	315458	27.9	
12 Chloromethane	50	1.435	1.435	0.0	89	437637	26.3	
13 Vinyl chloride	62	1.539	1.545	-0.006	82	372154	25.7	
144 Butadiene	54	1.557	1.563	-0.006	93	389000	27.0	
14 Bromomethane	94	1.813	1.819	-0.006	91	161650	26.3	
15 Chloroethane	64	1.905	1.917	-0.012	94	183620	25.5	
16 Dichlorofluoromethane	67	2.087	2.093	-0.006	83	387205	24.1	
17 Trichlorofluoromethane	101	2.136	2.124	0.012	85	246988	24.2	
18 Ethyl ether	59	2.319	2.319	0.0	98	241491	24.4	
20 Acrolein	56	2.459	2.459	0.0	92	246061	106.1	
21 1,1,2-Trichloro-1,2,2-trifluoroe	101	2.557	2.563	-0.006	87	217225	24.4	
22 1,1-Dichloroethene	96	2.514	2.563	-0.049	85	209791	23.5	
23 Acetone	43	2.606	2.606	0.0	99	364863	109.9	
25 Iodomethane	142	2.642	2.642	0.0	99	331689	22.6	
26 Carbon disulfide	76	2.685	2.734	-0.049	100	759527	23.3	
28 3-Chloro-1-propene	41	2.831	2.831	0.0	84	545816	23.7	
27 Methyl acetate	43	2.868	2.874	-0.006	97	1351947	119.4	
30 Methylene Chloride	84	2.953	2.953	0.0	90	254844	24.1	
31 2-Methyl-2-propanol	59	3.106	3.105	0.001	99	265929	226.1	
32 Methyl tert-butyl ether	73	3.154	3.154	0.0	91	766061	24.0	
34 trans-1,2-Dichloroethene	96	3.160	3.160	0.0	90	244027	24.0	
33 Acrylonitrile	53	3.185	3.185	0.0	98	1212508	231.6	
35 Hexane	57	3.343	3.343	0.0	94	481228	25.9	
39 1,1-Dichloroethane	63	3.514	3.514	0.0	85	521441	25.0	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	On-Col Amt ug/L	Flags
37 Vinyl acetate	43	3.557	3.557	0.0	96	1315425	47.4	
44 2,2-Dichloropropane	77	3.953	3.953	0.0	89	218263	22.2	
45 cis-1,2-Dichloroethene	96	3.977	3.977	0.0	73	265537	24.2	
43 2-Butanone (MEK)	43	4.002	4.002	0.0	98	775856	128.4	
48 Chlorobromomethane	128	4.166	4.166	0.0	88	126760	23.5	
49 Tetrahydrofuran	42	4.203	4.203	0.0	93	212829	47.1	
50 Chloroform	83	4.233	4.233	0.0	82	437041	23.9	
51 1,1,1-Trichloroethane	97	4.337	4.337	0.0	92	338628	24.3	
52 Cyclohexane	56	4.355	4.355	0.0	94	597644	25.4	
55 Carbon tetrachloride	117	4.453	4.453	0.0	79	307542	24.7	
54 1,1-Dichloropropene	75	4.459	4.459	0.0	93	331479	25.7	
53 Isobutyl alcohol	43	4.617	4.617	0.0	94	350579	684.0	
57 Benzene	78	4.624	4.623	0.001	97	963246	25.4	
58 1,2-Dichloroethane	62	4.666	4.666	0.0	88	348017	24.0	
59 n-Heptane	43	4.782	4.782	0.0	98	568164	27.7	
62 Trichloroethene	95	5.111	5.117	-0.006	94	247338	25.5	
64 Methylcyclohexane	83	5.221	5.221	0.0	98	467208	25.2	
65 1,2-Dichloropropane	63	5.294	5.294	0.0	94	280084	26.4	
67 Dibromomethane	93	5.404	5.404	0.0	89	150929	25.0	
66 1,4-Dioxane	88	5.416	5.416	0.0	93	38649	573.0	M
68 Dichlorobromomethane	83	5.520	5.520	0.0	92	336611	26.0	
69 2-Chloroethyl vinyl ether	63	5.733	5.733	0.0	90	183269	28.1	
72 cis-1,3-Dichloropropene	75	5.849	5.849	0.0	88	396784	26.7	
73 4-Methyl-2-pentanone (MIBK)	43	5.953	5.952	0.001	98	1784621	125.8	
74 Toluene	92	6.081	6.081	0.001	97	563834	24.7	
77 trans-1,3-Dichloropropene	75	6.282	6.282	0.0	93	335921	25.5	
75 Ethyl methacrylate	69	6.318	6.318	0.0	92	333356	25.8	
79 1,1,2-Trichloroethane	83	6.428	6.428	0.0	88	175161	24.8	
81 Tetrachloroethene	166	6.501	6.501	0.0	89	214502	23.2	
82 1,3-Dichloropropane	76	6.556	6.556	0.0	96	356965	25.8	
80 2-Hexanone	43	6.599	6.599	0.0	98	1174720	129.6	
83 Chlorodibromomethane	129	6.739	6.739	0.0	89	232504	24.0	
84 Ethylene Dibromide	107	6.824	6.824	0.0	97	213984	24.9	
87 Chlorobenzene	112	7.190	7.190	0.0	92	600072	24.5	
88 Ethylbenzene	91	7.257	7.257	0.0	99	1081675	24.6	
89 1,1,1,2-Tetrachloroethane	131	7.257	7.257	0.0	39	217156	23.2	
90 m-Xylene & p-Xylene	106	7.349	7.349	0.0	0	403604	24.4	
91 o-Xylene	106	7.678	7.678	0.0	96	402766	23.7	
92 Styrene	104	7.696	7.696	0.0	95	677580	24.4	
95 Bromoform	173	7.879	7.879	0.0	94	144890	23.1	
94 Isopropylbenzene	105	7.964	7.964	0.0	97	1080606	26.7	
101 Bromobenzene	156	8.245	8.245	0.0	97	234802	25.0	
97 1,1,2,2-Tetrachloroethane	83	8.257	8.257	0.0	87	320601	26.8	
100 1,2,3-Trichloropropane	110	8.294	8.293	0.001	82	87606	26.2	
98 trans-1,4-Dichloro-2-butene	53	8.294	8.300	-0.006	65	104941	25.4	
99 N-Propylbenzene	91	8.300	8.300	0.0	99	1318057	26.8	
103 2-Chlorotoluene	126	8.391	8.391	0.0	95	240616	26.1	
102 1,3,5-Trimethylbenzene	105	8.446	8.446	0.0	67	911703	26.8	
105 4-Chlorotoluene	126	8.483	8.482	0.001	97	242865	26.1	
106 tert-Butylbenzene	134	8.714	8.714	0.0	89	182337	26.8	
107 1,2,4-Trimethylbenzene	105	8.757	8.757	0.0	97	934825	26.5	
109 sec-Butylbenzene	105	8.891	8.891	0.0	95	1176812	26.8	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	On-Col Amt ug/L	Flags
110 4-Isopropyltoluene	119	9.013	9.013	0.0	95	988934	26.5	
111 1,3-Dichlorobenzene	146	9.013	9.013	0.0	69	457566	24.9	
113 1,4-Dichlorobenzene	146	9.086	9.092	-0.006	91	464122	24.9	
115 n-Butylbenzene	91	9.354	9.354	0.0	98	977081	26.7	
116 1,2-Dichlorobenzene	146	9.403	9.403	0.0	95	457906	24.7	
117 1,2-Dibromo-3-Chloropropane	75	10.074	10.074	0.0	77	63821	26.2	
119 1,2,4-Trichlorobenzene	180	10.750	10.750	0.0	94	317099	23.1	
120 Hexachlorobutadiene	225	10.866	10.866	0.0	96	155097	22.6	
121 Naphthalene	128	10.958	10.958	0.0	97	950021	24.8	
122 1,2,3-Trichlorobenzene	180	11.153	11.159	-0.006	93	294311	23.2	

QC Flag Legend

Review Flags
M - Manually Integrated

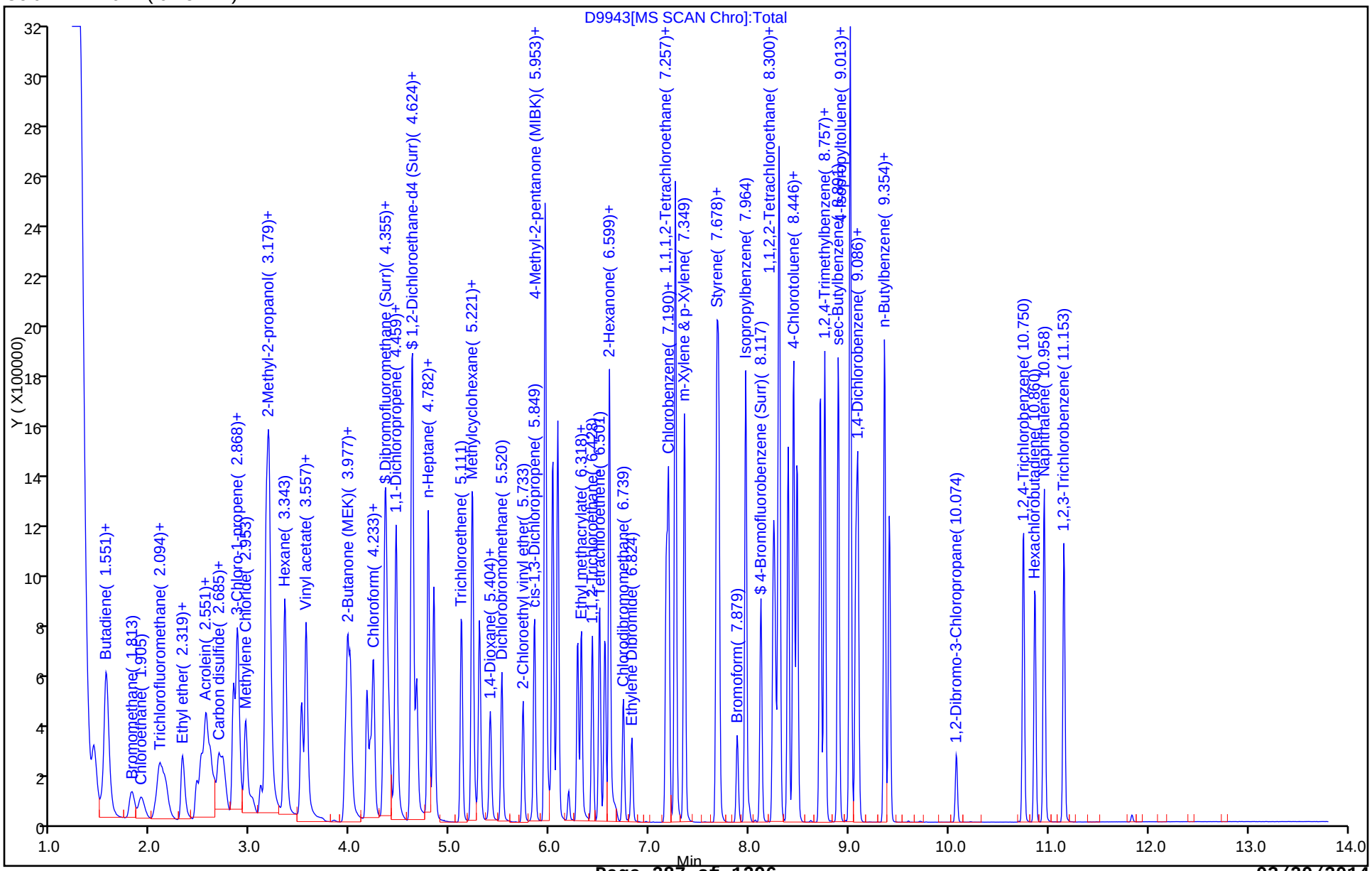
Report Date: 11-Mar-2014 22:50:33 Chrom Revision: 2.1 17-Feb-2014 09:05:58

TestAmerica Buffalo

Data File: \\Bufchrom\ChromData\HP5975D\20140311-30102.b\D9943.D

Injection Date:	11-Mar-2014 21:36:30	Instrument ID:	HP5975D	Operator ID:	CDC
Lims ID:	LCS	Lab Sample ID:	LCS 480-169644/6-A	Worklist Smp#:	6
Client ID:					
Purge Vol:	5.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	3
Method:	D-8260	Limit Group:	MV - 8260C ICAL		

Column: ZB-624 (0.25 mm)



FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Buffalo Job No.: 480-55783-1

SDG No.:

Client Sample ID: Lab Sample ID: LCS 480-169830/5

Matrix: Water Lab File ID: S35870.D

Analysis Method: 8260C Date Collected:

Sample wt/vol: 5(mL) Date Analyzed: 03/13/2014 10:51

Soil Aliquot Vol: Dilution Factor: 1

Soil Extract Vol.: GC Column: ZB-624 (60) ID: 0.25(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 169830 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
71-55-6	1,1,1-Trichloroethane	26.7		1.0	0.82
79-34-5	1,1,2,2-Tetrachloroethane	22.4		1.0	0.21
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	29.7		1.0	0.31
79-00-5	1,1,2-Trichloroethane	23.9		1.0	0.23
75-34-3	1,1-Dichloroethane	24.6		1.0	0.38
75-35-4	1,1-Dichloroethene	25.2		1.0	0.29
120-82-1	1,2,4-Trichlorobenzene	26.9		1.0	0.41
96-12-8	1,2-Dibromo-3-Chloropropane	23.7		1.0	0.39
106-93-4	1,2-Dibromoethane	24.4		1.0	0.73
95-50-1	1,2-Dichlorobenzene	24.8		1.0	0.79
107-06-2	1,2-Dichloroethane	24.6		1.0	0.21
78-87-5	1,2-Dichloropropane	24.0		1.0	0.72
541-73-1	1,3-Dichlorobenzene	24.4		1.0	0.78
106-46-7	1,4-Dichlorobenzene	24.1		1.0	0.84
78-93-3	2-Butanone (MEK)	119		10	1.3
591-78-6	2-Hexanone	115		5.0	1.2
108-10-1	4-Methyl-2-pentanone (MIBK)	117		5.0	2.1
67-64-1	Acetone	123		10	3.0
71-43-2	Benzene	24.5		1.0	0.41
75-27-4	Bromodichloromethane	24.2		1.0	0.39
75-25-2	Bromoform	23.0		1.0	0.26
74-83-9	Bromomethane	29.9		1.0	0.69
75-15-0	Carbon disulfide	27.9		1.0	0.19
56-23-5	Carbon tetrachloride	26.5		1.0	0.27
108-90-7	Chlorobenzene	24.4		1.0	0.75
75-00-3	Chloroethane	28.5		1.0	0.32
67-66-3	Chloroform	24.6		1.0	0.34
74-87-3	Chloromethane	30.3		1.0	0.35
156-59-2	cis-1,2-Dichloroethene	24.8		1.0	0.81
10061-01-5	cis-1,3-Dichloropropene	23.7		1.0	0.36
110-82-7	Cyclohexane	25.3		1.0	0.18
124-48-1	Dibromochloromethane	23.5		1.0	0.32
75-71-8	Dichlorodifluoromethane	23.4		1.0	0.68
100-41-4	Ethylbenzene	24.6		1.0	0.74
98-82-8	Isopropylbenzene	23.1		1.0	0.79

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Buffalo | Job No.: 480-55783-1

SDG No.:

Client Sample ID: | Lab Sample ID: LCS 480-169830/5

Matrix: Water | Lab File ID: S35870.D

Analysis Method: 8260C | Date Collected:

Sample wt/vol: 5(mL) | Date Analyzed: 03/13/2014 10:51

Soil Aliquot Vol: | Dilution Factor: 1

Soil Extract Vol.: | GC Column: ZB-624 (60) ID: 0.25(mm)

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

Analysis Batch No.: 169830 | Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
79-20-9	Methyl acetate	118		2.5	0.50
1634-04-4	Methyl tert-butyl ether	24.7		1.0	0.16
108-87-2	Methylcyclohexane	25.5		1.0	0.16
75-09-2	Methylene Chloride	24.3		1.0	0.44
100-42-5	Styrene	24.8		1.0	0.73
127-18-4	Tetrachloroethene	25.6		1.0	0.36
108-88-3	Toluene	23.6		1.0	0.51
156-60-5	trans-1,2-Dichloroethene	25.8		1.0	0.90
10061-02-6	trans-1,3-Dichloropropene	23.5		1.0	0.37
79-01-6	Trichloroethene	25.2		1.0	0.46
75-69-4	Trichlorofluoromethane	27.5		1.0	0.88
75-01-4	Vinyl chloride	26.6		1.0	0.90
1330-20-7	Xylenes, Total	49.1		2.0	0.66

CAS NO.	SURROGATE	%REC	Q	LIMITS
17060-07-0	1,2-Dichloroethane-d4 (Surr)	103		66-137
460-00-4	4-Bromofluorobenzene (Surr)	104		73-120
2037-26-5	Toluene-d8 (Surr)	102		71-126
1868-53-7	Dibromofluoromethane (Surr)	108		60-140

TestAmerica Buffalo
Target Compound Quantitation Report

Data File: \\Bufchrom\ChromData\HP5973S\20140313-30132.b\S35870.D
Lims ID: LCS Lab Sample ID: LCS 480-169830/5-A
Client ID:
Sample Type: LCS
Inject. Date: 13-Mar-2014 10:51:30 ALS Bottle#: 5 Worklist Smp#: 5
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: LCS
Misc. Info.: 480-0030132-005 =480-0030132-005
Operator ID: gtg Instrument ID: HP5973S

Method: \\Bufchrom\ChromData\HP5973S\20140313-30132.b\S-8260.m
Limit Group: MV - 8260C ICAL
Last Update: 13-Mar-2014 21:35:23 Calib Date: 05-Feb-2014 03:36:30
Integrator: RTE ID Type: RT Order ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\Bufchrom\ChromData\HP5973S\20140204-29280.b\S34512.D

Column 1 : ZB-624 (0.25 mm) Det: MS SCAN
Process Host: XAWRK052

First Level Reviewer: diasn Date: 13-Mar-2014 21:35:23

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	On-Col Amt ug/L	Flags
* 153 Fluorobenzene (IS)	70	4.532	4.531	0.001	99	91095	25.0	
* 2 Chlorobenzene-d5	82	6.825	6.825	0.0	82	193537	25.0	
* 3 1,4-Dichlorobenzene-d4	152	8.693	8.693	0.0	92	199127	25.0	
$ 154 Dibromofluoromethane (Surr)	113	4.069	4.069	0.0	58	110247	27.0	
$ 4 1,2-Dichloroethane-d4 (Surr)	67	4.319	4.318	0.001	0	66588	25.8	
$ 5 Toluene-d8 (Surr)	98	5.700	5.699	0.001	91	467646	25.5	
$ 6 4-Bromofluorobenzene (Surr)	174	7.762	7.762	0.0	94	149518	26.1	
10 Dichlorodifluoromethane	85	1.216	1.216	0.0	86	156128	23.4	
12 Chloromethane	50	1.356	1.362	-0.006	89	192329	30.3	
13 Vinyl chloride	62	1.435	1.423	0.012	82	135823	26.6	
151 Butadiene	54	1.447	1.441	0.006	90	114116	31.2	
14 Bromomethane	94	1.678	1.678	0.0	87	72277	29.9	
15 Chloroethane	64	1.757	1.763	-0.006	92	73409	28.5	
17 Trichlorofluoromethane	101	1.916	1.903	0.013	68	179721	27.5	
16 Dichlorofluoromethane	67	1.916	1.909	0.007	80	199940	28.8	
18 Ethyl ether	59	2.110	2.110	0.0	92	93905	24.8	
20 Acrolein	56	2.274	2.274	0.0	91	110135	119.5	
21 1,1,2-Trichloro-1,2,2-trifluoroe	101	2.311	2.299	0.012	77	138287	29.7	
22 1,1-Dichloroethene	96	2.335	2.335	0.0	83	130442	25.2	
23 Acetone	43	2.402	2.402	0.0	100	255615	122.8	
25 Iodomethane	142	2.494	2.481	0.013	95	190991	30.4	
26 Carbon disulfide	76	2.506	2.499	0.007	98	425670	27.9	
28 3-Chloro-1-propene	41	2.627	2.633	-0.006	77	169923	29.4	
27 Methyl acetate	43	2.640	2.639	0.001	98	606186	117.6	
30 Methylene Chloride	84	2.773	2.767	0.006	79	142210	24.3	
31 2-Methyl-2-propanol	59	2.846	2.846	0.0	98	189230	236.2	
32 Methyl tert-butyl ether	73	2.889	2.889	0.0	87	383280	24.7	
34 trans-1,2-Dichloroethene	96	2.925	2.931	-0.006	85	136324	25.8	
33 Acrylonitrile	53	2.962	2.962	0.0	99	580108	234.8	
35 Hexane	57	3.059	3.059	0.0	91	190164	25.1	
39 1,1-Dichloroethane	63	3.248	3.254	-0.006	85	214601	24.6	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	On-Col Amt ug/L	Flags
37 Vinyl acetate	43	3.290	3.290	0.0	97	528269	44.0	
44 2,2-Dichloropropane	77	3.674	3.674	0.0	89	105244	20.4	
45 cis-1,2-Dichloroethene	96	3.698	3.698	0.0	66	140057	24.8	
43 2-Butanone (MEK)	43	3.728	3.728	0.0	100	398979	118.7	
48 Chlorobromomethane	128	3.887	3.887	0.0	89	72762	25.5	
49 Tetrahydrofuran	42	3.905	3.905	0.0	90	106772	42.7	
50 Chloroform	83	3.941	3.941	0.0	80	211579	24.6	
51 1,1,1-Trichloroethane	97	4.039	4.039	0.0	91	171393	26.7	
52 Cyclohexane	56	4.039	4.045	-0.006	89	204270	25.3	
55 Carbon tetrachloride	117	4.148	4.148	0.0	74	141093	26.5	
54 1,1-Dichloropropene	75	4.154	4.154	0.0	94	162375	25.4	
53 Isobutyl alcohol	43	4.319	4.318	0.001	91	219421	590.5	
57 Benzene	78	4.325	4.325	0.0	96	509632	24.5	
58 1,2-Dichloroethane	62	4.373	4.373	0.0	89	164334	24.6	
59 n-Heptane	43	4.452	4.452	0.0	93	193637	23.7	
62 Trichloroethene	95	4.793	4.793	0.0	92	130458	25.2	
64 Methylcyclohexane	83	4.890	4.890	0.0	88	225911	25.5	
65 1,2-Dichloropropane	63	4.988	4.988	0.0	93	126051	24.0	
67 Dibromomethane	93	5.097	5.091	0.006	88	77643	25.1	
66 1,4-Dioxane	88	5.097	5.103	-0.006	89	37937	604.3	M
68 Dichlorobromomethane	83	5.207	5.207	0.0	93	151388	24.2	
69 2-Chloroethyl vinyl ether	63	5.420	5.420	0.0	90	88560	24.3	
72 cis-1,3-Dichloropropene	75	5.529	5.529	0.0	91	190365	23.7	
73 4-Methyl-2-pentanone (MIBK)	43	5.645	5.645	0.0	96	807329	116.8	
74 Toluene	92	5.754	5.754	0.0	98	332529	23.6	
77 trans-1,3-Dichloropropene	75	5.961	5.961	0.0	89	165310	23.5	
75 Ethyl methacrylate	69	5.992	5.991	0.001	89	181110	23.1	
79 1,1,2-Trichloroethane	83	6.107	6.107	0.0	84	100990	23.9	
81 Tetrachloroethene	166	6.150	6.150	0.0	88	154747	25.6	
82 1,3-Dichloropropane	76	6.235	6.235	0.0	90	215171	23.6	
80 2-Hexanone	43	6.277	6.277	0.0	96	584484	115.1	
83 Chlorodibromomethane	129	6.411	6.411	0.0	88	116212	23.5	
84 Ethylene Dibromide	107	6.496	6.496	0.0	97	129484	24.4	
87 Chlorobenzene	112	6.849	6.849	0.0	96	393962	24.4	
88 Ethylbenzene	91	6.910	6.910	0.0	98	636862	24.6	
89 1,1,1,2-Tetrachloroethane	131	6.916	6.916	0.0	87	123895	24.9	
90 m-Xylene & p-Xylene	106	7.001	7.001	0.0	0	260615	24.7	
91 o-Xylene	106	7.324	7.324	0.0	96	248308	24.4	
92 Styrene	104	7.342	7.342	0.0	96	418110	24.8	
95 Bromoform	173	7.531	7.537	-0.006	98	72796	23.0	
94 Isopropylbenzene	105	7.610	7.610	0.0	95	639899	23.1	
101 Bromobenzene	156	7.884	7.883	0.001	88	174339	23.5	
97 1,1,2,2-Tetrachloroethane	83	7.914	7.914	0.0	85	170813	22.4	
99 N-Propylbenzene	91	7.938	7.938	0.0	97	746585	23.2	
100 1,2,3-Trichloropropane	110	7.950	7.950	0.0	82	58681	22.8	
98 trans-1,4-Dichloro-2-butene	53	7.957	7.956	0.001	67	37343	18.2	
103 2-Chlorotoluene	126	8.023	8.029	-0.006	97	160263	23.2	
102 1,3,5-Trimethylbenzene	105	8.078	8.078	0.0	86	530878	23.6	
105 4-Chlorotoluene	126	8.115	8.115	0.0	97	169033	23.5	
106 tert-Butylbenzene	134	8.346	8.346	0.0	85	125709	23.6	
107 1,2,4-Trimethylbenzene	105	8.388	8.388	0.0	96	548389	23.7	
109 sec-Butylbenzene	105	8.522	8.522	0.0	93	668179	24.0	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	On-Col Amt ug/L	Flags
110 4-Isopropyltoluene	119	8.638	8.638	0.0	97	585936	24.9	
111 1,3-Dichlorobenzene	146	8.638	8.638	0.0	71	316246	24.4	
113 1,4-Dichlorobenzene	146	8.717	8.717	0.0	95	323509	24.1	
115 n-Butylbenzene	91	8.979	8.978	0.001	94	495225	25.1	
116 1,2-Dichlorobenzene	146	9.027	9.027	0.0	98	310589	24.8	
117 1,2-Dibromo-3-Chloropropane	75	9.703	9.702	0.001	78	25513	23.7	
119 1,2,4-Trichlorobenzene	180	10.347	10.347	0.0	93	172256	26.9	
120 Hexachlorobutadiene	225	10.451	10.451	0.0	95	79355	29.1	
121 Naphthalene	128	10.560	10.560	0.0	96	474418	26.3	
122 1,2,3-Trichlorobenzene	180	10.755	10.755	0.0	95	154409	28.2	

QC Flag Legend

Review Flags
M - Manually Integrated

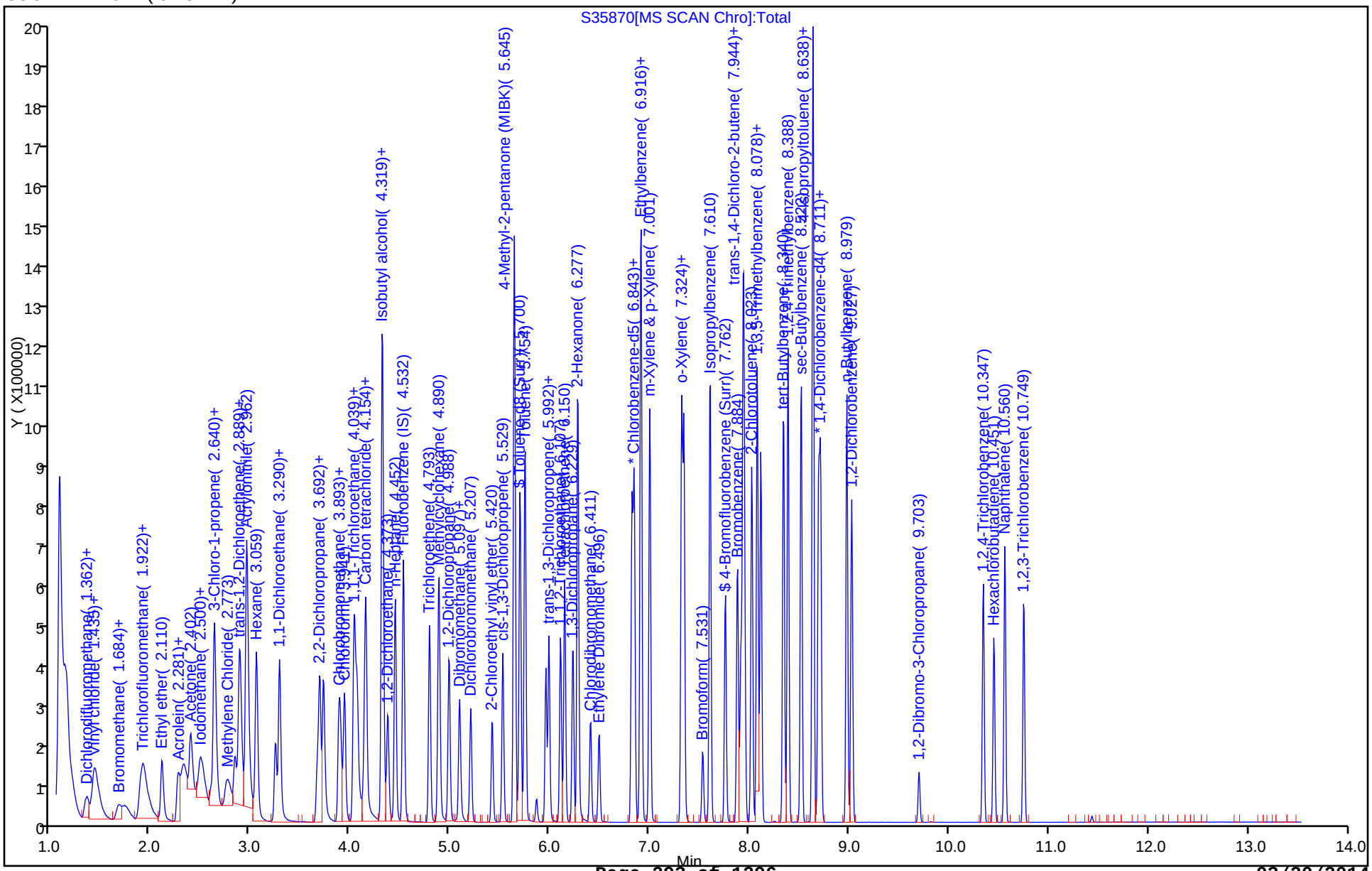
Report Date: 13-Mar-2014 21:35:24 Chrom Revision: 2.1 17-Feb-2014 09:05:58

TestAmerica Buffalo

Data File: \\Bufchrom\ChromData\HP5973S\20140313-30132.b\S35870.D

Injection Date:	13-Mar-2014 10:51:30	Instrument ID:	HP5973S	Operator ID:	gtg
Lims ID:	LCS	Lab Sample ID:	LCS 480-169830/5-A	Worklist Smp#:	5
Client ID:					
Purge Vol:	5.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	5
Method:	S-8260	Limit Group:	MV - 8260C ICAL		

Column: ZB-624 (0.25 mm)



GC/MS VOA ANALYSIS RUN LOG

Lab Name: TestAmerica Buffalo Job No.: 480-55783-1

SDG No.:

Instrument ID: HP5973S Start Date: 02/04/2014 20:47

Analysis Batch Number: 164519 End Date: 02/05/2014 04:20

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
BFB 480-164519/4		02/04/2014 20:47	1	S34494.D	ZB-624 (60) 0.25(mm)
IC 480-164519/6		02/04/2014 21:47	1	S34496.D	ZB-624 (60) 0.25(mm)
IC 480-164519/7		02/04/2014 22:09	1	S34497.D	ZB-624 (60) 0.25(mm)
IC 480-164519/8		02/04/2014 22:31	1	S34498.D	ZB-624 (60) 0.25(mm)
ICIS 480-164519/9		02/04/2014 22:53	1	S34499.D	ZB-624 (60) 0.25(mm)
IC 480-164519/10		02/04/2014 23:14	1	S34500.D	ZB-624 (60) 0.25(mm)
IC 480-164519/11		02/04/2014 23:36	1	S34501.D	ZB-624 (60) 0.25(mm)
MDLV 480-164519/13		02/05/2014 00:20	1		ZB-624 (60) 0.25(mm)
ICV 480-164519/15		02/05/2014 01:04	1		ZB-624 (60) 0.25(mm)
IC 480-164519/17		02/05/2014 01:47	1		ZB-624 (60) 0.25(mm)
IC 480-164519/18		02/05/2014 02:09	1		ZB-624 (60) 0.25(mm)
IC 480-164519/19		02/05/2014 02:31	1		ZB-624 (60) 0.25(mm)
IC 480-164519/20		02/05/2014 02:53	1		ZB-624 (60) 0.25(mm)
IC 480-164519/21		02/05/2014 03:15	1		ZB-624 (60) 0.25(mm)
IC 480-164519/22		02/05/2014 03:36	1		ZB-624 (60) 0.25(mm)
ICV 480-164519/24		02/05/2014 04:20	1		ZB-624 (60) 0.25(mm)

GC/MS VOA ANALYSIS RUN LOG

Lab Name: TestAmerica Buffalo Job No.: 480-55783-1

SDG No.:

Instrument ID: HP5973S Start Date: 03/13/2014 09:23

Analysis Batch Number: 169830 End Date: 03/13/2014 19:30

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
BFB 480-169830/2		03/13/2014 09:23	1	S35867.D	ZB-624 (60) 0.25(mm)
CCVIS 480-169830/3		03/13/2014 09:57	1	S35868.D	ZB-624 (60) 0.25(mm)
CCV 480-169830/4		03/13/2014 10:29	1		ZB-624 (60) 0.25(mm)
LCS 480-169830/5		03/13/2014 10:51	1	S35870.D	ZB-624 (60) 0.25(mm)
MB 480-169830/7		03/13/2014 11:34	1	S35872.D	ZB-624 (60) 0.25(mm)
ZZZZZ		03/13/2014 12:20	1		ZB-624 (60) 0.25(mm)
ZZZZZ		03/13/2014 12:42	1		ZB-624 (60) 0.25(mm)
ZZZZZ		03/13/2014 13:03	1		ZB-624 (60) 0.25(mm)
ZZZZZ		03/13/2014 13:25	1		ZB-624 (60) 0.25(mm)
ZZZZZ		03/13/2014 13:47	1		ZB-624 (60) 0.25(mm)
ZZZZZ		03/13/2014 14:30	1		ZB-624 (60) 0.25(mm)
ZZZZZ		03/13/2014 14:51	50		ZB-624 (60) 0.25(mm)
ZZZZZ		03/13/2014 15:13	1		ZB-624 (60) 0.25(mm)
ZZZZZ		03/13/2014 15:55	1		ZB-624 (60) 0.25(mm)
ZZZZZ		03/13/2014 16:17	1		ZB-624 (60) 0.25(mm)
ZZZZZ		03/13/2014 16:38	1		ZB-624 (60) 0.25(mm)
480-55880-1	MW-1	03/13/2014 17:00	1	S35886.D	ZB-624 (60) 0.25(mm)
480-55880-2	MW-4	03/13/2014 17:21	1	S35887.D	ZB-624 (60) 0.25(mm)
480-55880-3	MW-5	03/13/2014 17:42	1	S35888.D	ZB-624 (60) 0.25(mm)
ZZZZZ		03/13/2014 18:04	1		ZB-624 (60) 0.25(mm)
ZZZZZ		03/13/2014 18:25	1		ZB-624 (60) 0.25(mm)
ZZZZZ		03/13/2014 18:47	1		ZB-624 (60) 0.25(mm)
ZZZZZ		03/13/2014 19:08	50		ZB-624 (60) 0.25(mm)
ZZZZZ		03/13/2014 19:30	50		ZB-624 (60) 0.25(mm)

GC/MS VOA ANALYSIS RUN LOG

Lab Name: TestAmerica Buffalo Job No.: 480-55783-1

SDG No.:

Instrument ID: HP5975D Start Date: 02/25/2014 23:54

Analysis Batch Number: 167582 End Date: 02/26/2014 03:49

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
BFB 480-167582/3		02/25/2014 23:54	1	D9828.D	RTX-CLPII 0.53(mm)
IC 480-167582/5		02/26/2014 00:41	1	D9830.D	RTX-CLPII 0.53(mm)
IC 480-167582/6		02/26/2014 01:02	1	D9831.D	RTX-CLPII 0.53(mm)
IC 480-167582/7		02/26/2014 01:22	1	D9832.D	RTX-CLPII 0.53(mm)
IC 480-167582/8		02/26/2014 01:43	1	D9833.D	RTX-CLPII 0.53(mm)
ICIS 480-167582/9		02/26/2014 02:04	1	D9834.D	RTX-CLPII 0.53(mm)
IC 480-167582/10		02/26/2014 02:25	1	D9835.D	RTX-CLPII 0.53(mm)
IC 480-167582/11		02/26/2014 02:46	1	D9836.D	RTX-CLPII 0.53(mm)
MDLV 480-167582/13		02/26/2014 03:28	1		RTX-CLPII 0.53(mm)
ICV 480-167582/14		02/26/2014 03:49	1		RTX-CLPII 0.53(mm)

GC/MS VOA ANALYSIS RUN LOG

Lab Name: TestAmerica Buffalo Job No.: 480-55783-1

SDG No.:

Instrument ID: HP5975D Start Date: 03/11/2014 20:22

Analysis Batch Number: 169643 End Date: 03/12/2014 06:29

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
BFB 480-169643/3		03/11/2014 20:22	1	D9940.D	RTX-CLPII 0.53(mm)
CCVIS 480-169643/4		03/11/2014 20:42	1	D9941.D	RTX-CLPII 0.53(mm)
CCV 480-169643/5		03/11/2014 21:16	1		RTX-CLPII 0.53(mm)
LCS 480-169643/6		03/11/2014 21:36	1	D9943.D	RTX-CLPII 0.53(mm)
MB 480-169643/8		03/11/2014 22:19	1	D9945.D	RTX-CLPII 0.53(mm)
ZZZZZ		03/11/2014 23:09	1		RTX-CLPII 0.53(mm)
ZZZZZ		03/11/2014 23:30	1		RTX-CLPII 0.53(mm)
ZZZZZ		03/11/2014 23:51	1		RTX-CLPII 0.53(mm)
ZZZZZ		03/12/2014 00:12	1		RTX-CLPII 0.53(mm)
ZZZZZ		03/12/2014 00:33	1		RTX-CLPII 0.53(mm)
ZZZZZ		03/12/2014 00:54	1		RTX-CLPII 0.53(mm)
ZZZZZ		03/12/2014 01:15	1		RTX-CLPII 0.53(mm)
ZZZZZ		03/12/2014 01:36	1		RTX-CLPII 0.53(mm)
ZZZZZ		03/12/2014 01:57	1		RTX-CLPII 0.53(mm)
ZZZZZ		03/12/2014 02:18	1		RTX-CLPII 0.53(mm)
ZZZZZ		03/12/2014 02:39	1		RTX-CLPII 0.53(mm)
ZZZZZ		03/12/2014 03:00	5		RTX-CLPII 0.53(mm)
ZZZZZ		03/12/2014 03:21	40		RTX-CLPII 0.53(mm)
ZZZZZ		03/12/2014 03:41	1		RTX-CLPII 0.53(mm)
ZZZZZ		03/12/2014 04:02	1		RTX-CLPII 0.53(mm)
ZZZZZ		03/12/2014 04:23	1		RTX-CLPII 0.53(mm)
480-55783-1	MW-P	03/12/2014 04:44	1	D9962.D	RTX-CLPII 0.53(mm)
480-55783-2	MW-3	03/12/2014 05:05	1	D9963.D	RTX-CLPII 0.53(mm)
ZZZZZ		03/12/2014 05:26	20		RTX-CLPII 0.53(mm)
ZZZZZ		03/12/2014 05:47	50		RTX-CLPII 0.53(mm)
ZZZZZ		03/12/2014 06:08	20		RTX-CLPII 0.53(mm)
ZZZZZ		03/12/2014 06:29	1		RTX-CLPII 0.53(mm)

GC/MS VOA Worksheet

Batch Number: 480-169643
Method: 8260C
Analyst: Nguyen-Dudziak, Nhu Quynh

Date Open: Mar 11 2014 8:22PM
Batch End:

Lab ID	Client ID	Method Chain	Basis	Initial pH	Initial weight/volume of sample	Final weight/volume of sample	Instrument	2MTP_WRK_00030	3_MCP_Add_WRK_00023
BFB~480-169643/3		8260C			1 uL	1 uL	HP5975D		
CCVIS~480-169643/4		8260C			5 mL	5 mL	HP5975D		
CCV~480-169643/5		8260C			5 mL	5 mL	HP5975D	12.5 uL	12.5 uL
LCS~480-169643/6		8260C			5 mL	5 mL	HP5975D		
MB~480-169643/8		8260C			5 mL	5 mL	HP5975D		
480-55639-D-2	MW1-15	8260C	T	<2 SU	5 mL	5 mL	HP5975D		
480-55639-D-2~MS	MW1-15	8260C	T	<2 SU	5 mL	5 mL	HP5975D		
480-55639-D-2~MSD	MW1-15	8260C	T	<2 SU	5 mL	5 mL	HP5975D		
480-55639-D-3	MW1-13R	8260C	T	<2 SU	5 mL	5 mL	HP5975D		
480-55639-D-6	030614-DUP-02	8260C	T	<2 SU	5 mL	5 mL	HP5975D		
480-55639-A-8	TRIP BLANK	8260C	T	<2 SU	5 mL	5 mL	HP5975D		
480-55639-F-9	RINSE BLANK	8260C	T	<2 SU	5 mL	5 mL	HP5975D		
480-55694-A-1	MW-5	8260C	T	<2 SU	5 mL	5 mL	HP5975D		
480-55694-A-2	MW-4	8260C	T	<2 SU	5 mL	5 mL	HP5975D		
480-55694-A-3	MW-6	8260C	T	<2 SU	5 mL	5 mL	HP5975D		
480-55694-A-4	MW-3	8260C	T	<2 SU	5 mL	5 mL	HP5975D		
480-55694-A-5	MW-2	8260C	T	<2 SU	5 mL	5 mL	HP5975D		
480-55694-A-6	MW-1	8260C	T	<2 SU	5 mL	5 mL	HP5975D		
480-55718-D-1	Cistern	8260C	T	<2 SU	5 mL	5 mL	HP5975D		
480-55718-D-2	TW-1	8260C	T	<2 SU	5 mL	5 mL	HP5975D		
480-55754-A-1	Effluent	8260C	T	<2 SU	5 mL	5 mL	HP5975D		
480-55783-K-1	MW-P	8260C	T	<2 SU	5 mL	5 mL	HP5975D		
480-55783-K-2	MW-3	8260C	T	<2 SU	5 mL	5 mL	HP5975D		
480-55793-E-1	EW-1 INFLUENT	8260C	T	<2 SU	5 mL	5 mL	HP5975D		
480-55793-E-2	EW-2 INFLUENT	8260C	T	<2 SU	5 mL	5 mL	HP5975D		

GC/MS VOA Worksheet

Batch Number: 480-169643
Method: 8260C
Analyst: Nguyen-Dudziak, Nhu Quynh

Date Open: Mar 11 2014 8:22PM
Batch End:

Lab ID	Client ID	Method Chain	Basis	3MTP_WRK_00033	8260 CORP mix_00005	ADD CORP mix_00006	BFB_WRK_00032	D_8260_IS_00019	D_8260_Surr_00020
BFB~480-169643/3		8260C					1 uL		
CCVIS~480-169643/4		8260C			12.5 uL			1.25 uL	1.25 uL
CCV~480-169643/5		8260C		12.5 uL		12.5 uL		1.25 uL	1.25 uL
LCS~480-169643/6		8260C			12.5 uL			1.25 uL	1.25 uL
MB~480-169643/8		8260C						1.25 uL	1.25 uL
480-55639-D-2	MW1-15	8260C	T					1.25 uL	1.25 uL
480-55639-D-2~MS	MW1-15	8260C	T					1.25 uL	1.25 uL
480-55639-D-2~MSD	MW1-15	8260C	T					1.25 uL	1.25 uL
480-55639-D-3	MW1-13R	8260C	T					1.25 uL	1.25 uL
480-55639-D-6	030614-DUP-02	8260C	T					1.25 uL	1.25 uL
480-55639-A-8	TRIP BLANK	8260C	T					1.25 uL	1.25 uL
480-55639-F-9	RINSE BLANK	8260C	T					1.25 uL	1.25 uL
480-55694-A-1	MW-5	8260C	T					1.25 uL	1.25 uL
480-55694-A-2	MW-4	8260C	T					1.25 uL	1.25 uL
480-55694-A-3	MW-6	8260C	T					1.25 uL	1.25 uL
480-55694-A-4	MW-3	8260C	T					1.25 uL	1.25 uL
480-55694-A-5	MW-2	8260C	T					1.25 uL	1.25 uL
480-55694-A-6	MW-1	8260C	T					1.25 uL	1.25 uL
480-55718-D-1	Cistern	8260C	T					1.25 uL	1.25 uL
480-55718-D-2	TW-1	8260C	T					1.25 uL	1.25 uL
480-55754-A-1	Effluent	8260C	T					1.25 uL	1.25 uL
480-55783-K-1	MW-P	8260C	T					1.25 uL	1.25 uL
480-55783-K-2	MW-3	8260C	T					1.25 uL	1.25 uL
480-55793-E-1	EW-1 INFLUENT	8260C	T					1.25 uL	1.25 uL
480-55793-E-2	EW-2 INFLUENT	8260C	T					1.25 uL	1.25 uL

GC/MS VOA Worksheet

Batch Number: 480-169643
Method: 8260C
Analyst: Nguyen-Dudziak, Nhu Quynh

Date Open: Mar 11 2014 8:22PM
Batch End:

Lab ID	Client ID	Method Chain	Basis	Epichloro WRK_00002	GAS CORP mix_00015
BFB~480-169643/3		8260C			
CCVIS~480-169643/4		8260C			12.5 uL
CCV~480-169643/5		8260C		12.5 uL	
LCS~480-169643/6		8260C			12.5 uL
MB~480-169643/8		8260C			
480-55639-D-2	MW1-15	8260C	T		
480-55639-D-2~MS	MW1-15	8260C	T		
480-55639-D-2~MSD	MW1-15	8260C	T		
480-55639-D-3	MW1-13R	8260C	T		
480-55639-D-6	030614-DUP-02	8260C	T		
480-55639-A-8	TRIP BLANK	8260C	T		
480-55639-F-9	RINSE BLANK	8260C	T		
480-55694-A-1	MW-5	8260C	T		
480-55694-A-2	MW-4	8260C	T		
480-55694-A-3	MW-6	8260C	T		
480-55694-A-4	MW-3	8260C	T		
480-55694-A-5	MW-2	8260C	T		
480-55694-A-6	MW-1	8260C	T		
480-55718-D-1	Cistern	8260C	T		
480-55718-D-2	TW-1	8260C	T		
480-55754-A-1	Effluent	8260C	T		
480-55783-K-1	MW-P	8260C	T		
480-55783-K-2	MW-3	8260C	T		
480-55793-E-1	EW-1 INFLUENT	8260C	T		
480-55793-E-2	EW-2 INFLUENT	8260C	T		

GC/MS VOA Worksheet

Batch Number: 480-169643
Method: 8260C
Analyst: Nguyen-Dudziak, Nhu Quynh

Date Open: Mar 11 2014 8:22PM
Batch End:

Lab ID	Client ID	Method Chain	Basis	Initial pH	Initial weight/volume of sample	Final weight/volume of sample	Instrument	2MTP_WRK_00030	3_MCP_Add_WRK_00023
480-55793-E-3	SYSTEM EFFLUENT	8260C	T	<2 SU	5 mL	5 mL	HP5975D		
480-55793-A-4	TRIP BLANK	8260C	T	<2 SU	5 mL	5 mL	HP5975D		

GC/MS VOA Worksheet

Batch Number: 480-169643
Method: 8260C
Analyst: Nguyen-Dudziak, Nhu Quynh

Date Open: Mar 11 2014 8:22PM
Batch End:

Lab ID	Client ID	Method Chain	Basis	3MTP_WRK_00033	8260 CORP mix_00005	ADD CORP mix_00006	BFB_WRK_00032	D_8260_IS_00019	D_8260_Surr_00020
480-55793-E-3	SYSTEM EFFLUENT	8260C	T					1.25 uL	1.25 uL
480-55793-A-4	TRIP BLANK	8260C	T					1.25 uL	1.25 uL

GC/MS VOA Worksheet

Batch Number: 480-169643
Method: 8260C
Analyst: Nguyen-Dudziak, Nhu Quynh

Date Open: Mar 11 2014 8:22PM
Batch End:

Lab ID	Client ID	Method Chain	Basis	Epichloro WRK_00002	GAS CORP mix_00015
480-55793-E-3	SYSTEM EFFLUENT	8260C	T		
480-55793-A-4	TRIP BLANK	8260C	T		

GC/MS VOA Worksheet

Batch Number: 480-169830
Method: 8260C
Analyst: Dias, Nicole M

Date Open: Mar 13 2014 9:23AM
Batch End:

Lab ID	Client ID	Method Chain	Basis	Initial pH	Initial weight/volume of sample	Final weight/volume of sample	Instrument	2MTP_WRK_00029	3MTP_WRK_00033
BFB~480-169830/2		8260C			1 uL	1 uL	HP5973S		
CCVIS~480-169830/3		8260C			5 mL	5 mL	HP5973S		
CCV~480-169830/4		8260C			5 mL	5 mL	HP5973S	12.5 uL	12.5 uL
LCS~480-169830/5		8260C			5 mL	5 mL	HP5973S		
MB~480-169830/7		8260C			5 mL	5 mL	HP5973S		
480-55636-H-6	PML01	8260C	T	<2 SU	5 mL	5 mL	HP5973S		
480-55660-D-7	MW-21	8260C	T	<2 SU	5 mL	5 mL	HP5973S		
480-55743-A-1	RESIDENTIAL	8260C	T	<2 SU	5 mL	5 mL	HP5973S		
480-55743-A-2	TRIP BLANK	8260C	T	<2 SU	5 mL	5 mL	HP5973S		
480-55743-A-3	DUP	8260C	T	<2 SU	5 mL	5 mL	HP5973S		
480-55782-G-1	MW-10A	8260C	T	7 SU	5 mL	5 mL	HP5973S		
480-55782-G-2	MW-102	8260C	T	7 SU	5 mL	5 mL	HP5973S		
480-55782-G-3	MW-101	8260C	T	7 SU	5 mL	5 mL	HP5973S		
480-55851-C-1	MW-64DL-20140304-01	8260C	T	<2 SU	5 mL	5 mL	HP5973S		
480-55851-C-2	MW-30D-20140305-01	8260C	T	<2 SU	5 mL	5 mL	HP5973S		
480-55851-C-3	MW-29D-20140306-01	8260C	T	<2 SU	5 mL	5 mL	HP5973S		
480-55851-A-5	TB-001-20140304-01	8260C	T	<2 SU	5 mL	5 mL	HP5973S		
480-55851-C-6	Chasewell-01-20140310-01	8260C	T	<2 SU	5 mL	5 mL	HP5973S		
480-55851-C-7	Chasewell-03-20140310-01	8260C	T	<2 SU	5 mL	5 mL	HP5973S		
480-55880-K-1	MW-1	8260C	T	<2 SU	5 mL	5 mL	HP5973S		
480-55880-K-2	MW-4	8260C	T	<2 SU	5 mL	5 mL	HP5973S		
480-55880-K-3	MW-5	8260C	T	<2 SU	5 mL	5 mL	HP5973S		
480-55851-C-2~MS		8260C	T	<2 SU	5 mL	5 mL	HP5973S		
480-55851-C-2~MSD		8260C	T	<2 SU	5 mL	5 mL	HP5973S		

GC/MS VOA Worksheet

Batch Number: 480-169830
Method: 8260C
Analyst: Dias, Nicole M

Date Open: Mar 13 2014 9:23AM
Batch End:

Lab ID	Client ID	Method Chain	Basis	8260 CORP mix_00006	ADD CORP mix_00006	BFB_WRK_00032	Epichloro WRK_00002	GAS CORP mix_00015	S_8260_IS_00077
BFB~480-169830/2		8260C				1 uL			
CCVIS~480-169830/3		8260C		12.5 uL				12.5 uL	1 uL
CCV~480-169830/4		8260C			12.5 uL		12.5 uL		1 uL
LCS~480-169830/5		8260C		12.5 uL				12.5 uL	1 uL
MB~480-169830/7		8260C							1 uL
480-55636-H-6	PML01	8260C	T						1 uL
480-55660-D-7	MW-21	8260C	T						1 uL
480-55743-A-1	RESIDENTIAL	8260C	T						1 uL
480-55743-A-2	TRIP BLANK	8260C	T						1 uL
480-55743-A-3	DUP	8260C	T						1 uL
480-55782-G-1	MW-10A	8260C	T						1 uL
480-55782-G-2	MW-102	8260C	T						1 uL
480-55782-G-3	MW-101	8260C	T						1 uL
480-55851-C-1	MW-64DL-20140304-01	8260C	T						1 uL
480-55851-C-2	MW-30D-20140305-01	8260C	T						1 uL
480-55851-C-3	MW-29D-20140306-01	8260C	T						1 uL
480-55851-A-5	TB-001-20140304-01	8260C	T						1 uL
480-55851-C-6	Chasewell-01-20140310-01	8260C	T						1 uL
480-55851-C-7	Chasewell-03-20140310-01	8260C	T						1 uL
480-55880-K-1	MW-1	8260C	T						1 uL
480-55880-K-2	MW-4	8260C	T						1 uL
480-55880-K-3	MW-5	8260C	T						1 uL
480-55851-C-2~MS		8260C	T	12.5 uL				12.5 uL	1 uL
480-55851-C-2~MSD		8260C	T	12.5 uL				12.5 uL	1 uL

GC/MS VOA Worksheet

Batch Number: 480-169830
Method: 8260C
Analyst: Dias, Nicole M

Date Open: Mar 13 2014 9:23AM
Batch End:

Lab ID	Client ID	Method Chain	Basis	S_8260_Surr_00081
BFB~480-169830/2		8260C		
CCVIS~480-169830/3		8260C		1 uL
CCV~480-169830/4		8260C		1 uL
LCS~480-169830/5		8260C		1 uL
MB~480-169830/7		8260C		1 uL
480-55636-H-6	PML01	8260C	T	1 uL
480-55660-D-7	MW-21	8260C	T	1 uL
480-55743-A-1	RESIDENTIAL	8260C	T	1 uL
480-55743-A-2	TRIP BLANK	8260C	T	1 uL
480-55743-A-3	DUP	8260C	T	1 uL
480-55782-G-1	MW-10A	8260C	T	1 uL
480-55782-G-2	MW-102	8260C	T	1 uL
480-55782-G-3	MW-101	8260C	T	1 uL
480-55851-C-1	MW-64DL-20140304-01	8260C	T	1 uL
480-55851-C-2	MW-30D-20140305-01	8260C	T	1 uL
480-55851-C-3	MW-29D-20140306-01	8260C	T	1 uL
480-55851-A-5	TB-001-20140304-01	8260C	T	1 uL
480-55851-C-6	Chasewell-01-20140310-01	8260C	T	1 uL
480-55851-C-7	Chasewell-03-20140310-01	8260C	T	1 uL
480-55880-K-1	MW-1	8260C	T	1 uL
480-55880-K-2	MW-4	8260C	T	1 uL
480-55880-K-3	MW-5	8260C	T	1 uL
480-55851-C-2~MS		8260C	T	1 uL
480-55851-C-2~MSD		8260C	T	1 uL

Method 8270D

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

FORM II
GC/MS SEMI VOA SURROGATE RECOVERY

Lab Name: TestAmerica Buffalo Job No.: 480-55783-1

SDG No.:

Matrix: Water Level: Low

GC Column (1): RXI-5Sil MS ID: 0.25 (mm)

Client Sample ID	Lab Sample ID	2FP #	PHL #	NBZ #	FBP #	TBP #	TPH #
MW-P	480-55783-1	65	50	83	88	80	97
MW-3	480-55783-2	51	42	92	89	76	88
MW-1	480-55880-1	62	48	91	76	90	110
MW-4	480-55880-2	64	52	90	89	100	80
MW-5	480-55880-3	59	49	91	93	111 *	92 *
	MB 480-169810/1-A	63	51	93	79	76	116
	LCS 480-169810/2-A	82	70	104	98	109	119

	QC LIMITS
2FP = 2-Fluorophenol (Surr)	20-120
PHL = Phenol-d5 (Surr)	16-120
NBZ = Nitrobenzene-d5 (Surr)	46-120
FBP = 2-Fluorobiphenyl	48-120
TBP = 2,4,6-Tribromophenol (Surr)	52-132
TPH = p-Terphenyl-d14 (Surr)	67-150

Column to be used to flag recovery values

FORM II 8270D

FORM III
GC/MS SEMI VOA LAB CONTROL SAMPLE RECOVERY

Lab Name: TestAmerica Buffalo Job No.: 480-55783-1

SDG No.:

Matrix: Water Level: Low Lab File ID: W04988.D

Lab ID: LCS 480-169810/2-A Client ID:

COMPOUND	SPIKE ADDED (ug/L)	LCS CONCENTRATION (ug/L)	LCS % REC	QC LIMITS REC	#
2,4-Dinitrotoluene	32.0	34.1	107	65-154	
2-Chlorophenol	32.0	30.0	94	48-120	
4-Chloro-3-methylphenol	32.0	34.5	108	64-120	
4-Nitrophenol	64.0	46.8	73	16-120	
Acenaphthene	32.0	30.2	94	60-120	
Atrazine	32.0	31.6	99	56-179	
Bis(2-ethylhexyl) phthalate	32.0	33.7	105	53-158	
Fluorene	32.0	30.4	95	55-143	
Hexachloroethane	32.0	27.3	85	14-101	
N-Nitrosodi-n-propylamine	32.0	34.6	108	56-120	
Pentachlorophenol	64.0	30.0	47	39-136	
Phenol	32.0	22.8	71	17-120	
Pyrene	32.0	37.9	118	58-136	

Column to be used to flag recovery and RPD values

FORM III 8270D

FORM IV
GC/MS SEMI VOA METHOD BLANK SUMMARY

Lab Name: TestAmerica Buffalo Job No.: 480-55783-1

SDG No.:

Lab File ID: W04987.D Lab Sample ID: MB 480-169810/1-A

Matrix: Water Date Extracted: 03/13/2014 06:53

Instrument ID: HP5973W Date Analyzed: 03/17/2014 18:31

Level:(Low/Med) Low

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES:

CLIENT SAMPLE ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
	LCS 480-169810/2-A	W04988.D	03/17/2014 18:54
MW-P	480-55783-1	W05000.D	03/17/2014 23:40
MW-3	480-55783-2	W05001.D	03/18/2014 00:04
MW-1	480-55880-1	W05006.D	03/18/2014 02:02
MW-5	480-55880-3	W05007.D	03/18/2014 02:26
MW-4	480-55880-2	W05008.D	03/18/2014 02:50

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

Lab Name: TestAmerica Buffalo Job No.: 480-55783-1

SDG No.:

Lab File ID: W04551.D DFTPP Injection Date: 02/27/2014

Instrument ID: HP5973W DFTPP Injection Time: 02:17

Analysis Batch No.: 167777

M/E	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE	
51	10-80% of Base Peak	37.2	
68	Less than 2% of mass 69	0.0	(0.0)1
69	Mass 69 Relative abundance	39.0	
70	Less than 2% of mass 69	0.2	(0.6)1
127	10-80% of Base Peak	47.4	
197	Less than 2% of mass 198	0.0	
198	Base peak	100.0	
199	5-9% of mass 198	6.6	
275	10-60% of Base Peak	26.0	
365	Greater than 1% of mass 198	3.1	
441	present but less than 24% of mass 442	13.1	(14.9)2
442	Greater than 50% of mass 198	87.9	
443	15-24% of mass 442	17.3	(19.7)2

1-Value is % mass 69 2-Value is % mass 442

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

CLIENT SAMPLE ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
	IC 480-167777/11	W04560.D	02/27/2014	06:12
	IC 480-167777/12	W04561.D	02/27/2014	06:36
	IC 480-167777/13	W04562.D	02/27/2014	07:00
	IC 480-167777/14	W04563.D	02/27/2014	07:24
	IC 480-167777/15	W04564.D	02/27/2014	07:48
	IC 480-167777/16	W04565.D	02/27/2014	08:12
	IC 480-167777/17	W04566.D	02/27/2014	08:36

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

Lab Name: TestAmerica Buffalo Job No.: 480-55783-1

SDG No.:

Lab File ID: W04759.D DFTPP Injection Date: 03/06/2014

Instrument ID: HP5973W DFTPP Injection Time: 12:44

Analysis Batch No.: 168862

M/E	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE	
51	10-80% of Base Peak	31.1	
68	Less than 2% of mass 69	0.0	(0.0)1
69	Mass 69 Relative abundance	35.2	
70	Less than 2% of mass 69	0.1	(0.4)1
127	10-80% of Base Peak	44.8	
197	Less than 2% of mass 198	0.0	
198	Base peak	100.0	
199	5-9% of mass 198	6.9	
275	10-60% of Base Peak	29.4	
365	Greater than 1% of mass 198	3.7	
441	present but less than 24% of mass 442	19.8	(15.4)2
442	Greater than 50% of mass 198	128.5	
443	15-24% of mass 442	25.0	(19.5)2

1-Value is % mass 69 2-Value is % mass 442

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

CLIENT SAMPLE ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
	IC 480-168862/3	W04760.D	03/06/2014	13:08
	IC 480-168862/4	W04761.D	03/06/2014	13:33
	IC 480-168862/5	W04762.D	03/06/2014	13:57
	ICIS 480-168862/6	W04763.D	03/06/2014	14:21
	IC 480-168862/7	W04764.D	03/06/2014	14:45
	IC 480-168862/8	W04765.D	03/06/2014	15:09
	IC 480-168862/9	W04766.D	03/06/2014	15:33

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

Lab Name: TestAmerica Buffalo Job No.: 480-55783-1

SDG No.:

Lab File ID: W04980.D DFTPP Injection Date: 03/17/2014

Instrument ID: HP5973W DFTPP Injection Time: 15:42

Analysis Batch No.: 170376

M/E	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE	
51	10-80% of Base Peak	36.8	
68	Less than 2% of mass 69	0.0	(0.0)1
69	Mass 69 Relative abundance	40.3	
70	Less than 2% of mass 69	0.2	(0.6)1
127	10-80% of Base Peak	48.3	
197	Less than 2% of mass 198	0.0	
198	Base peak	100.0	
199	5-9% of mass 198	7.0	
275	10-60% of Base Peak	29.7	
365	Greater than 1% of mass 198	4.2	
441	present but less than 24% of mass 442	18.7	(15.1)2
442	Greater than 50% of mass 198	123.4	
443	15-24% of mass 442	24.1	(19.5)2

1-Value is % mass 69 2-Value is % mass 442

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

CLIENT SAMPLE ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
	CCVIS 480-170376/3	W04981.D	03/17/2014	16:06
	CCV 480-170376/4	W04982.D	03/17/2014	16:30
	CCVL 480-170376/5	W04983.D	03/17/2014	16:54
	CCV 480-170376/6	W04984.D	03/17/2014	17:18
	CCV 480-170376/7	W04985.D	03/17/2014	17:42
	CCV 480-170376/8	W04986.D	03/17/2014	18:06
	MB 480-169810/1-A	W04987.D	03/17/2014	18:31
	LCS 480-169810/2-A	W04988.D	03/17/2014	18:54
MW-P	480-55783-1	W05000.D	03/17/2014	23:40
MW-3	480-55783-2	W05001.D	03/18/2014	00:04
MW-1	480-55880-1	W05006.D	03/18/2014	02:02
MW-5	480-55880-3	W05007.D	03/18/2014	02:26
MW-4	480-55880-2	W05008.D	03/18/2014	02:50

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

Lab Name: TestAmerica Buffalo Job No.: 480-55783-1

SDG No.:

Sample No.: ICIS 480-168862/6 Date Analyzed: 03/06/2014 14:21

Instrument ID: HP5973W GC Column: RXI-5Sil MS ID: 0.25(mm)

Lab File ID (Standard): W04763.D Heated Purge: (Y/N) N

Calibration ID: 17711

		DCB		NPT		ANT	
		AREA #	RT #	AREA #	RT #	AREA #	RT #
INITIAL CALIBRATION MID-POINT		250011	5.47	925435	6.50	480142	7.95
UPPER LIMIT		500022	5.97	1850870	7.00	960284	8.45
LOWER LIMIT		125006	4.97	462718	6.00	240071	7.45
LAB SAMPLE ID	CLIENT SAMPLE ID						
CCVIS 480-170376/3		283356	5.43	1051891	6.48	559906	7.93

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 8270D

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

Lab Name: TestAmerica Buffalo Job No.: 480-55783-1

SDG No.:

Sample No.: ICIS 480-168862/6 Date Analyzed: 03/06/2014 14:21

Instrument ID: HP5973W GC Column: RXI-5Sil MS ID: 0.25(mm)

Lab File ID (Standard): W04763.D Heated Purge: (Y/N) N

Calibration ID: 17711

		PHN		CRY		PRY	
		AREA #	RT #	AREA #	RT #	AREA #	RT #
INITIAL CALIBRATION MID-POINT		828760	9.16	858251	11.37	874537	12.90
UPPER LIMIT		1657520	9.66	1716502	11.87	1749074	13.40
LOWER LIMIT		414380	8.66	429126	10.87	437269	12.40
LAB SAMPLE ID	CLIENT SAMPLE ID						
CCVIS 480-170376/3		888510	9.15	738591	11.35	684277	12.88

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

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

Column used to flag values outside QC limits

FORM VIII 8270D

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

Lab Name: TestAmerica Buffalo Job No.: 480-55783-1

SDG No.:

Sample No.: CCVIS 480-170376/3 Date Analyzed: 03/17/2014 16:06

Instrument ID: HP5973W GC Column: RXI-5Sil MS ID: 0.25(mm)

Lab File ID (Standard): W04981.D Heated Purge: (Y/N) N

Calibration ID: 17711

		DCB		NPT		ANT	
		AREA #	RT #	AREA #	RT #	AREA #	RT #
12/24 HOUR STD		283356	5.43	1051891	6.48	559906	7.93
UPPER LIMIT		566712	5.93	2103782	6.98	1119812	8.43
LOWER LIMIT		141678	4.93	525946	5.98	279953	7.43
LAB SAMPLE ID	CLIENT SAMPLE ID						
CCV 480-170376/4		337652	5.43	1073534	6.48	680392	7.92
CCVL 480-170376/5		413618	5.43	1492256	6.48	829406	7.92
CCV 480-170376/6		411189	5.43	1481400	6.48	836044	7.92
CCV 480-170376/7		367117	5.43	1285993	6.48	747063	7.92
CCV 480-170376/8		413420	5.43	1541072	6.48	819354	7.92
MB 480-169810/1-A		275843	5.43	959428	6.48	516286	7.92
LCS 480-169810/2-A		281298	5.46	1031472	6.49	555629	7.93
480-55783-1	MW-P	273718	5.43	1018372	6.48	524322	7.92
480-55783-2	MW-3	259003	5.43	894734	6.48	444394	7.92
480-55880-1	MW-1	244096	5.43	901054	6.48	527677	7.92
480-55880-3	MW-5	239914	5.43	872702	6.48	426299	7.92
480-55880-2	MW-4	264271	5.43	931208	6.48	452992	7.92

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 8270D

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

Lab Name: TestAmerica Buffalo Job No.: 480-55783-1

SDG No.:

Sample No.: CCVIS 480-170376/3 Date Analyzed: 03/17/2014 16:06

Instrument ID: HP5973W GC Column: RXI-5Sil MS ID: 0.25(mm)

Lab File ID (Standard): W04981.D Heated Purge: (Y/N) N

Calibration ID: 17711

		PHN		CRY		PRY	
		AREA #	RT #	AREA #	RT #	AREA #	RT #
12/24 HOUR STD		888510	9.15	738591	11.35	684277	12.88
UPPER LIMIT		1777020	9.65	1477182	11.85	1368554	13.38
LOWER LIMIT		444255	8.65	369296	10.85	342139	12.38
LAB SAMPLE ID	CLIENT SAMPLE ID						
CCV 480-170376/4		1214787	9.15	963124	11.34	763706	12.88
CCVL 480-170376/5		1408816	9.15	1226606	11.34	1038921	12.88
CCV 480-170376/6		1384511	9.15	1158843	11.34	930016	12.88
CCV 480-170376/7		1182104	9.15	992276	11.34	934042	12.88
CCV 480-170376/8		1479417	9.15	1265397	11.34	1025506	12.88
MB 480-169810/1-A		842442	9.14	694189	11.34	683158	12.88
LCS 480-169810/2-A		875549	9.15	728668	11.35	757395	12.89
480-55783-1	MW-P	877591	9.14	741941	11.34	742307	12.88
480-55783-2	MW-3	779310	9.14	706254	11.35	697711	12.88
480-55880-1	MW-1	818960	9.14	652930	11.35	369006	12.88
480-55880-3	MW-5	398288*	9.14	361418*	11.34	330609*	12.88
480-55880-2	MW-4	745953	9.14	729827	11.35	353433	12.88

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

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

Column used to flag values outside QC limits

FORM VIII 8270D

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Buffalo | Job No.: 480-55783-1

SDG No.:

Client Sample ID: MW-P | Lab Sample ID: 480-55783-1

Matrix: Water | Lab File ID: W05000.D

Analysis Method: 8270D | Date Collected: 03/10/2014 14:05

Extract. Method: 3510C | Date Extracted: 03/13/2014 06:53

Sample wt/vol: 245.2(mL) | Date Analyzed: 03/17/2014 23:40

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

Injection Volume: 5(uL) | Level: (low/med) Low

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

Analysis Batch No.: 170376 | Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
95-95-4	2,4,5-Trichlorophenol	ND		5.1	0.49
88-06-2	2,4,6-Trichlorophenol	ND		5.1	0.62
120-83-2	2,4-Dichlorophenol	ND		5.1	0.52
105-67-9	2,4-Dimethylphenol	ND		5.1	0.51
51-28-5	2,4-Dinitrophenol	ND		10	2.3
121-14-2	2,4-Dinitrotoluene	ND		5.1	0.46
606-20-2	2,6-Dinitrotoluene	ND		5.1	0.41
91-58-7	2-Chloronaphthalene	ND		5.1	0.47
95-57-8	2-Chlorophenol	ND		5.1	0.54
91-57-6	2-Methylnaphthalene	ND		5.1	0.61
95-48-7	2-Methylphenol	ND		5.1	0.41
88-74-4	2-Nitroaniline	ND		10	0.43
88-75-5	2-Nitrophenol	ND		5.1	0.49
91-94-1	3,3'-Dichlorobenzidine	ND		5.1	0.41
99-09-2	3-Nitroaniline	ND		10	0.49
534-52-1	4,6-Dinitro-2-methylphenol	ND		10	2.2
101-55-3	4-Bromophenyl phenyl ether	ND		5.1	0.46
59-50-7	4-Chloro-3-methylphenol	ND		5.1	0.46
106-47-8	4-Chloroaniline	ND		5.1	0.60
7005-72-3	4-Chlorophenyl phenyl ether	ND		5.1	0.36
106-44-5	4-Methylphenol	ND		10	0.37
100-01-6	4-Nitroaniline	ND		10	0.25
100-02-7	4-Nitrophenol	ND		10	1.5
83-32-9	Acenaphthene	ND		5.1	0.42
208-96-8	Acenaphthylene	ND		5.1	0.39
98-86-2	Acetophenone	ND		5.1	0.55
120-12-7	Anthracene	ND		5.1	0.29
1912-24-9	Atrazine	ND		5.1	0.47
100-52-7	Benzaldehyde	0.28	J	5.1	0.27
56-55-3	Benzo[a]anthracene	ND		5.1	0.37
50-32-8	Benzo[a]pyrene	ND		5.1	0.48
205-99-2	Benzo[b]fluoranthene	ND		5.1	0.35
191-24-2	Benzo[g,h,i]perylene	ND		5.1	0.36
207-08-9	Benzo[k]fluoranthene	ND		5.1	0.74

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Buffalo | Job No.: 480-55783-1

SDG No.:

Client Sample ID: MW-P | Lab Sample ID: 480-55783-1

Matrix: Water | Lab File ID: W05000.D

Analysis Method: 8270D | Date Collected: 03/10/2014 14:05

Extract. Method: 3510C | Date Extracted: 03/13/2014 06:53

Sample wt/vol: 245.2(mL) | Date Analyzed: 03/17/2014 23:40

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

Injection Volume: 5(uL) | Level: (low/med) Low

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

Analysis Batch No.: 170376 | Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
92-52-4	Biphenyl	ND		5.1	0.67
108-60-1	bis (2-chloroisopropyl) ether	ND		5.1	0.53
111-91-1	Bis(2-chloroethoxy)methane	ND		5.1	0.36
111-44-4	Bis(2-chloroethyl)ether	ND		5.1	0.41
117-81-7	Bis(2-ethylhexyl) phthalate	ND		5.1	1.8
85-68-7	Butyl benzyl phthalate	ND		5.1	0.43
105-60-2	Caprolactam	5.1		5.1	2.2
86-74-8	Carbazole	ND		5.1	0.31
218-01-9	Chrysene	ND		5.1	0.34
53-70-3	Dibenz(a,h)anthracene	ND		5.1	0.43
132-64-9	Dibenzofuran	ND		10	0.52
84-66-2	Diethyl phthalate	ND		5.1	0.22
131-11-3	Dimethyl phthalate	ND		5.1	0.37
84-74-2	Di-n-butyl phthalate	ND		5.1	0.32
117-84-0	Di-n-octyl phthalate	ND		5.1	0.48
206-44-0	Fluoranthene	ND		5.1	0.41
86-73-7	Fluorene	ND		5.1	0.37
118-74-1	Hexachlorobenzene	ND		5.1	0.52
87-68-3	Hexachlorobutadiene	ND		5.1	0.69
77-47-4	Hexachlorocyclopentadiene	ND		5.1	0.60
67-72-1	Hexachloroethane	ND		5.1	0.60
193-39-5	Indeno[1,2,3-cd]pyrene	ND		5.1	0.48
78-59-1	Isophorone	ND		5.1	0.44
91-20-3	Naphthalene	ND		5.1	0.77
98-95-3	Nitrobenzene	ND		5.1	0.30
621-64-7	N-Nitrosodi-n-propylamine	ND		5.1	0.55
86-30-6	N-Nitrosodiphenylamine	ND		5.1	0.52
87-86-5	Pentachlorophenol	ND		10	2.2
85-01-8	Phenanthrene	ND		5.1	0.45
108-95-2	Phenol	ND		5.1	0.40
129-00-0	Pyrene	ND		5.1	0.35

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Buffalo Job No.: 480-55783-1

SDG No.:

Client Sample ID: MW-P Lab Sample ID: 480-55783-1

Matrix: Water Lab File ID: W05000.D

Analysis Method: 8270D Date Collected: 03/10/2014 14:05

Extract. Method: 3510C Date Extracted: 03/13/2014 06:53

Sample wt/vol: 245.2(mL) Date Analyzed: 03/17/2014 23:40

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

Injection Volume: 5(uL) Level: (low/med) Low

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

Analysis Batch No.: 170376 Units: ug/L

CAS NO.	SURROGATE	%REC	Q	LIMITS
118-79-6	2,4,6-Tribromophenol (Surr)	80		52-132
367-12-4	2-Fluorophenol (Surr)	65		20-120
4165-60-0	Nitrobenzene-d5 (Surr)	83		46-120
4165-62-2	Phenol-d5 (Surr)	50		16-120
1718-51-0	p-Terphenyl-d14 (Surr)	97		67-150
321-60-8	2-Fluorobiphenyl	88		48-120

TestAmerica Buffalo
Target Compound Quantitation Report

Data File: \\Bufchrom\ChromData\HP5973W\20140317-30223.b\W05000.D
Lims ID: 480-55783-G-1-A Lab Sample ID: 480-55783-1
Client ID: MW-P
Sample Type: Client
Inject. Date: 17-Mar-2014 23:40:30 ALS Bottle#: 23 Worklist Smp#: 22
Injection Vol: 5.0 ul Dil. Factor: 1.0000
Sample Info: 480-0030223-022
Operator ID: rar Instrument ID: HP5973W

Method: \\Bufchrom\ChromData\HP5973W\20140317-30223.b\W-LVI-8270.m
Limit Group: MB - 8270D ICAL
Last Update: 18-Mar-2014 09:29:22 Calib Date: 06-Mar-2014 15:33:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\Bufchrom\ChromData\HP5973W\20140306-29988.b\W04766.D

Column 1 : RXI-5Sil MS (0.25 mm) Det: MS SCAN
Process Host: XAWRK018

First Level Reviewer: mckernar Date: 18-Mar-2014 09:46:48

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	On-Col Amt ng/uL	Flags
* 1 1,4-Dichlorobenzene-d4	152	5.434	5.434	0.0	96	273718	4.00	
* 2 Naphthalene-d8	136	6.481	6.481	0.0	100	1018372	4.00	
* 3 Acenaphthene-d10	164	7.923	7.923	0.0	93	524322	4.00	
* 4 Phenanthrene-d10	188	9.141	9.147	-0.006	97	877591	4.00	
* 5 Chrysene-d12	240	11.342	11.342	0.0	80	741941	4.00	
* 6 Perylene-d12	264	12.881	12.876	0.005	85	742307	4.00	
$ 7 2-Fluorophenol	112	4.451	4.451	0.0	92	430471	5.18	
$ 8 Phenol-d5	99	5.284	5.274	0.010	0	423324	4.00	
$ 9 Nitrobenzene-d5	82	5.904	5.893	0.011	87	631202	6.66	
$ 11 2,4,6-Tribromophenol	330	8.596	8.591	0.005	90	171995	6.40	
$ 12 p-Terphenyl-d14	244	10.461	10.461	0.0	99	1079298	7.75	
71 Benzaldehyde	77	5.076	5.076	0.0	72	5360	0.0691	
74 Bis(2-chloroethyl)ether	93		5.231					
72 Phenol	94		5.284					
75 2-Chlorophenol	128		5.306					
83 2,2'-oxybis[1-chloropropane]	45		5.674					
82 2-Methylphenol	108		5.738					
86 Acetophenone	105		5.776					
87 N-Nitrosodi-n-propylamine	70		5.781					
89 Hexachloroethane	117		5.840					
88 4-Methylphenol	108		5.877					
85 Nitrobenzene	77		5.909					
94 Isophorone	82		6.112					
97 2-Nitrophenol	139		6.176					
99 2,4-Dimethylphenol	107		6.278					
103 Bis(2-chloroethoxy)methane	93		6.305					
106 2,4-Dichlorophenol	162		6.428					
107 Naphthalene	128	6.497	6.497	0.0	5	6785	0.0274	
108 4-Chloroaniline	127		6.572					
110 Hexachlorobutadiene	225		6.599					
114 Caprolactam	113	6.871	6.946	-0.075	71	30298	1.25	
117 4-Chloro-3-methylphenol	107		7.053					

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	On-Col Amt ng/uL	Flags
121 2-Methylnaphthalene	142	7.068	7.063	0.005	45	4265	0.0269	
125 Hexachlorocyclopentadiene	237		7.192					
127 2,4,6-Trichlorophenol	196		7.341					
129 2,4,5-Trichlorophenol	196		7.416					
130 1,1'-Biphenyl	154	7.453	7.453	0.0	10	3409	0.0200	
131 2-Chloronaphthalene	162		7.464					
132 2-Nitroaniline	65		7.587					
134 Dimethyl phthalate	163		7.731					
135 2,6-Dinitrotoluene	165		7.779					
137 Acenaphthylene	152		7.806					
140 3-Nitroaniline	138		7.945					
141 Acenaphthene	153	7.945	7.950	-0.005	22	4341	0.0294	
142 2,4-Dinitrophenol	184		8.030					
145 Dibenzofuran	168	8.094	8.094	0.0	54	11261	0.0543	
144 2,4-Dinitrotoluene	165		8.110					
143 4-Nitrophenol	109		8.233					
149 Diethyl phthalate	149	8.308	8.308	0.0	61	5295	0.0348	
151 Fluorene	166	8.377	8.372	0.005	52	6817	0.0421	
152 4-Chlorophenyl phenyl ether	204	8.388	8.383	0.005	1	987	0.0120	
154 4,6-Dinitro-2-methylphenol	198		8.447					
153 4-Nitroaniline	138		8.458					
157 N-Nitrosodiphenylamine	169		8.495					
164 4-Bromophenyl phenyl ether	248		8.784					
168 Hexachlorobenzene	284		8.821					
170 Atrazine	200		8.960					
172 Pentachlorophenol	266		9.035					
177 Phenanthrene	178	9.163	9.163	0.0	34	13355	0.0607	
180 Anthracene	178	9.200	9.200	0.0	1	3182	0.0139	
181 Carbazole	167		9.371					
184 Di-n-butyl phthalate	149	9.649	9.649	0.0	83	13809	0.0589	
191 Fluoranthene	202	10.135	10.135	0.0	70	6565	0.0276	
193 Pyrene	202	10.317	10.317	-0.001	73	5688	0.0289	
200 Butyl benzyl phthalate	149		10.872					
205 Benzo[a]anthracene	228	11.337	11.332	0.005	10	6244	0.0330	
204 3,3'-Dichlorobenzidine	252		11.337					
207 Chrysene	228	11.364	11.364	0.0	45	5023	0.0261	
206 Bis(2-ethylhexyl) phthalate	149	11.385	11.385	0.0	90	11638	0.0956	
208 Di-n-octyl phthalate	149		12.048					
209 Benzo[b]fluoranthene	252	12.437	12.432	0.005	36	7493	0.0394	
211 Benzo[k]fluoranthene	252	12.464	12.464	0.0	1	3874	0.0190	
213 Benzo[a]pyrene	252	12.811	12.806	0.005	15	3961	0.0213	
215 Indeno[1,2,3-cd]pyrene	276	14.190	14.185	0.006	22	3552	0.0197	
216 Dibenz(a,h)anthracene	278		14.227					
217 Benzo[g,h,i]perylene	276		14.516					
$ 10 2-Fluorobiphenyl	172	7.378	7.378	0.0	99	1150717	7.05	

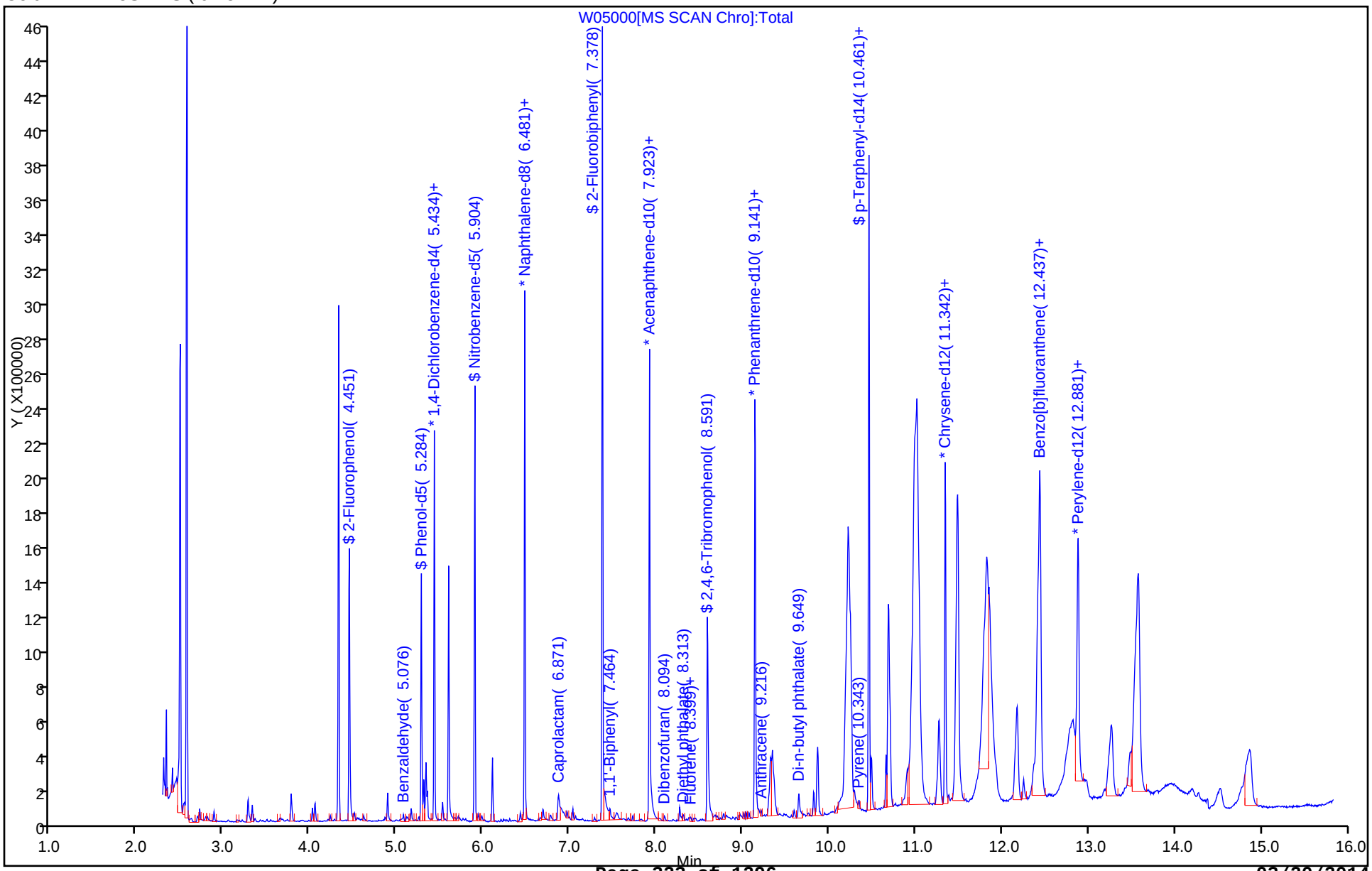
Report Date: 18-Mar-2014 09:46:49 Chrom Revision: 2.2 12-Mar-2014 11:19:24

TestAmerica Buffalo

Data File: \\Bufchrom\ChromData\HP5973W\20140317-30223.b\W05000.D

Injection Date:	17-Mar-2014 23:40:30	Instrument ID:	HP5973W	Operator ID:	rar
Lims ID:	480-55783-G-1-A	Lab Sample ID:	480-55783-1	Worklist Smp#:	22
Client ID:	MW-P				
Injection Vol:	5.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	23
Method:	W-LVI-8270	Limit Group:	MB - 8270D ICAL		

Column: RXI-5Sil MS (0.25 mm)



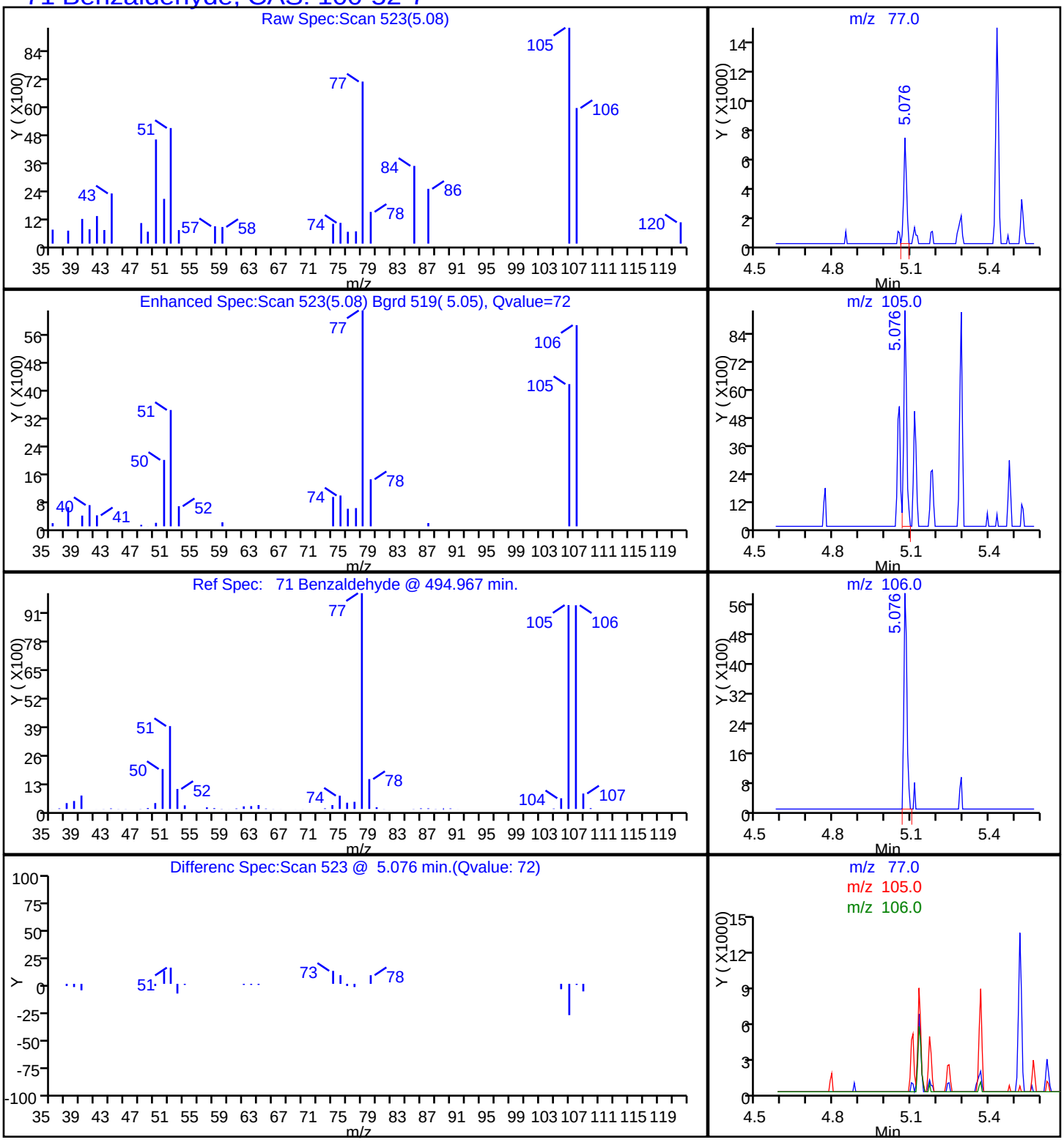
Report Date: 18-Mar-2014 09:46:49 Chrom Revision: 2.2 12-Mar-2014 11:19:24

TestAmerica Buffalo

Data File: \\Bufchrom\ChromData\HP5973W\20140317-30223.b\W05000.D

Injection Date:	17-Mar-2014 23:40:30	Instrument ID:	HP5973W		
Lims ID:	480-55783-G-1-A	Lab Sample ID:	480-55783-1		
Client ID:	MW-P				
Operator ID:	rar	ALS Bottle#:	23	Worklist Smp#:	22
Injection Vol:	5.0 ul	Dil. Factor:	1.0000		
Method:	W-LVI-8270	Limit Group:	MB - 8270D ICAL		
Column:	RXI-5Sil MS (0.25 mm)	Detector	MS SCAN		

71 Benzaldehyde, CAS: 100-52-7



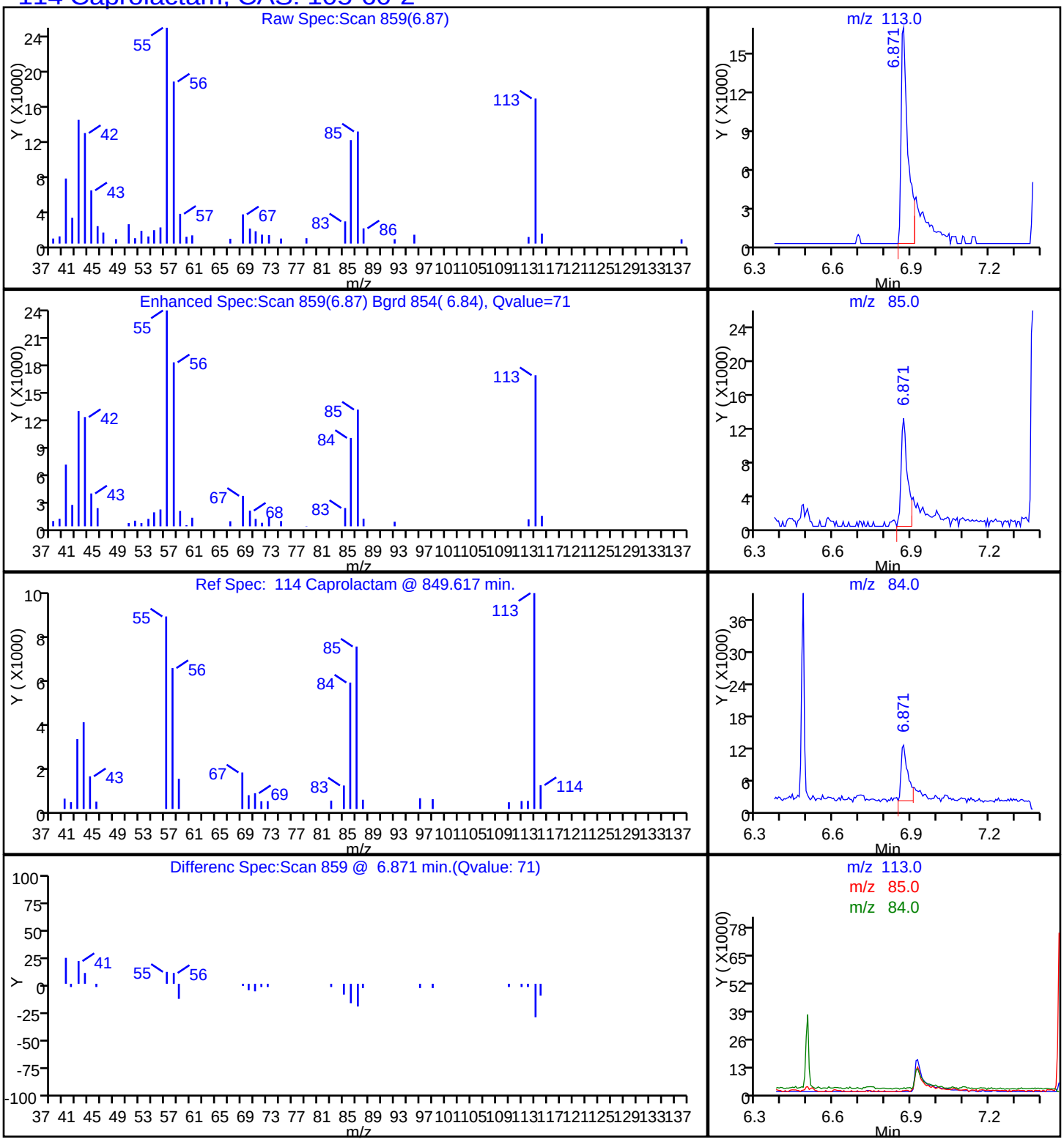
Report Date: 18-Mar-2014 09:46:49 Chrom Revision: 2.2 12-Mar-2014 11:19:24

TestAmerica Buffalo

Data File: \\Bufchrom\ChromData\HP5973W\20140317-30223.b\W05000.D

Injection Date:	17-Mar-2014 23:40:30	Instrument ID:	HP5973W		
Lims ID:	480-55783-G-1-A	Lab Sample ID:	480-55783-1		
Client ID:	MW-P				
Operator ID:	rar	ALS Bottle#:	23	Worklist Smp#:	22
Injection Vol:	5.0 ul	Dil. Factor:	1.0000		
Method:	W-LVI-8270	Limit Group:	MB - 8270D ICAL		
Column:	RXI-5Sil MS (0.25 mm)	Detector	MS SCAN		

114 Caprolactam, CAS: 105-60-2



FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Buffalo | Job No.: 480-55783-1

SDG No.:

Client Sample ID: MW-3 | Lab Sample ID: 480-55783-2

Matrix: Water | Lab File ID: W05001.D

Analysis Method: 8270D | Date Collected: 03/10/2014 15:00

Extract. Method: 3510C | Date Extracted: 03/13/2014 06:53

Sample wt/vol: 269(mL) | Date Analyzed: 03/18/2014 00:04

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

Injection Volume: 5(uL) | Level: (low/med) Low

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

Analysis Batch No.: 170376 | Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
95-95-4	2,4,5-Trichlorophenol	ND		4.6	0.45
88-06-2	2,4,6-Trichlorophenol	ND		4.6	0.57
120-83-2	2,4-Dichlorophenol	ND		4.6	0.47
105-67-9	2,4-Dimethylphenol	ND		4.6	0.46
51-28-5	2,4-Dinitrophenol	ND		9.3	2.1
121-14-2	2,4-Dinitrotoluene	ND		4.6	0.42
606-20-2	2,6-Dinitrotoluene	ND		4.6	0.37
91-58-7	2-Chloronaphthalene	ND		4.6	0.43
95-57-8	2-Chlorophenol	ND		4.6	0.49
91-57-6	2-Methylnaphthalene	ND		4.6	0.56
95-48-7	2-Methylphenol	ND		4.6	0.37
88-74-4	2-Nitroaniline	ND		9.3	0.39
88-75-5	2-Nitrophenol	ND		4.6	0.45
91-94-1	3,3'-Dichlorobenzidine	ND		4.6	0.37
99-09-2	3-Nitroaniline	ND		9.3	0.45
534-52-1	4,6-Dinitro-2-methylphenol	ND		9.3	2.0
101-55-3	4-Bromophenyl phenyl ether	ND		4.6	0.42
59-50-7	4-Chloro-3-methylphenol	ND		4.6	0.42
106-47-8	4-Chloroaniline	ND		4.6	0.55
7005-72-3	4-Chlorophenyl phenyl ether	ND		4.6	0.33
106-44-5	4-Methylphenol	ND		9.3	0.33
100-01-6	4-Nitroaniline	ND		9.3	0.23
100-02-7	4-Nitrophenol	ND		9.3	1.4
83-32-9	Acenaphthene	ND		4.6	0.38
208-96-8	Acenaphthylene	ND		4.6	0.35
98-86-2	Acetophenone	ND		4.6	0.50
120-12-7	Anthracene	ND		4.6	0.26
1912-24-9	Atrazine	ND		4.6	0.43
100-52-7	Benzaldehyde	ND		4.6	0.25
56-55-3	Benzo[a]anthracene	ND		4.6	0.33
50-32-8	Benzo[a]pyrene	ND		4.6	0.44
205-99-2	Benzo[b]fluoranthene	ND		4.6	0.32
191-24-2	Benzo[g,h,i]perylene	ND		4.6	0.33
207-08-9	Benzo[k]fluoranthene	ND		4.6	0.68

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Buffalo | Job No.: 480-55783-1

SDG No.:

Client Sample ID: MW-3 | Lab Sample ID: 480-55783-2

Matrix: Water | Lab File ID: W05001.D

Analysis Method: 8270D | Date Collected: 03/10/2014 15:00

Extract. Method: 3510C | Date Extracted: 03/13/2014 06:53

Sample wt/vol: 269(mL) | Date Analyzed: 03/18/2014 00:04

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

Injection Volume: 5(uL) | Level: (low/med) Low

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

Analysis Batch No.: 170376 | Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
92-52-4	Biphenyl	ND		4.6	0.61
108-60-1	bis (2-chloroisopropyl) ether	ND		4.6	0.48
111-91-1	Bis(2-chloroethoxy)methane	ND		4.6	0.33
111-44-4	Bis(2-chloroethyl)ether	ND		4.6	0.37
117-81-7	Bis(2-ethylhexyl) phthalate	ND		4.6	1.7
85-68-7	Butyl benzyl phthalate	ND		4.6	0.39
105-60-2	Caprolactam	ND		4.6	2.0
86-74-8	Carbazole	ND		4.6	0.28
218-01-9	Chrysene	ND		4.6	0.31
53-70-3	Dibenz(a,h)anthracene	ND		4.6	0.39
132-64-9	Dibenzofuran	ND		9.3	0.47
84-66-2	Diethyl phthalate	ND		4.6	0.20
131-11-3	Dimethyl phthalate	ND		4.6	0.33
84-74-2	Di-n-butyl phthalate	ND		4.6	0.29
117-84-0	Di-n-octyl phthalate	ND		4.6	0.44
206-44-0	Fluoranthene	ND		4.6	0.37
86-73-7	Fluorene	ND		4.6	0.33
118-74-1	Hexachlorobenzene	ND		4.6	0.47
87-68-3	Hexachlorobutadiene	ND		4.6	0.63
77-47-4	Hexachlorocyclopentadiene	ND		4.6	0.55
67-72-1	Hexachloroethane	ND		4.6	0.55
193-39-5	Indeno[1,2,3-cd]pyrene	ND		4.6	0.44
78-59-1	Isophorone	ND		4.6	0.40
91-20-3	Naphthalene	ND		4.6	0.71
98-95-3	Nitrobenzene	ND		4.6	0.27
621-64-7	N-Nitrosodi-n-propylamine	ND		4.6	0.50
86-30-6	N-Nitrosodiphenylamine	ND		4.6	0.47
87-86-5	Pentachlorophenol	ND		9.3	2.0
85-01-8	Phenanthrene	ND		4.6	0.41
108-95-2	Phenol	ND		4.6	0.36
129-00-0	Pyrene	ND		4.6	0.32

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Buffalo | Job No.: 480-55783-1

SDG No.:

Client Sample ID: MW-3 | Lab Sample ID: 480-55783-2

Matrix: Water | Lab File ID: W05001.D

Analysis Method: 8270D | Date Collected: 03/10/2014 15:00

Extract. Method: 3510C | Date Extracted: 03/13/2014 06:53

Sample wt/vol: 269(mL) | Date Analyzed: 03/18/2014 00:04

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

Injection Volume: 5(uL) | Level: (low/med) Low

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

Analysis Batch No.: 170376 | Units: ug/L

CAS NO.	SURROGATE	%REC	Q	LIMITS
118-79-6	2,4,6-Tribromophenol (Surr)	76		52-132
367-12-4	2-Fluorophenol (Surr)	51		20-120
4165-60-0	Nitrobenzene-d5 (Surr)	92		46-120
4165-62-2	Phenol-d5 (Surr)	42		16-120
1718-51-0	p-Terphenyl-d14 (Surr)	88		67-150
321-60-8	2-Fluorobiphenyl	89		48-120

TestAmerica Buffalo
Target Compound Quantitation Report

Data File: \\Bufchrom\ChromData\HP5973W\20140317-30223.b\W05001.D
Lims ID: 480-55783-G-2-A Lab Sample ID: 480-55783-2
Client ID: MW-3
Sample Type: Client
Inject. Date: 18-Mar-2014 00:04:30 ALS Bottle#: 24 Worklist Smp#: 23
Injection Vol: 5.0 ul Dil. Factor: 1.0000
Sample Info: 480-0030223-023
Operator ID: rar Instrument ID: HP5973W

Method: \\Bufchrom\ChromData\HP5973W\20140317-30223.b\W-LVI-8270.m
Limit Group: MB - 8270D ICAL
Last Update: 18-Mar-2014 09:29:22 Calib Date: 06-Mar-2014 15:33:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\Bufchrom\ChromData\HP5973W\20140306-29988.b\W04766.D

Column 1 : RXI-5Sil MS (0.25 mm) Det: MS SCAN
Process Host: XAWRK018

First Level Reviewer: mckernar Date: 18-Mar-2014 09:18:55

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	On-Col Amt ng/uL	Flags
* 1 1,4-Dichlorobenzene-d4	152	5.434	5.434	0.0	96	259003	4.00	
* 2 Naphthalene-d8	136	6.481	6.481	0.0	99	894734	4.00	
* 3 Acenaphthene-d10	164	7.923	7.923	0.0	93	444394	4.00	
* 4 Phenanthrene-d10	188	9.141	9.147	-0.006	97	779310	4.00	
* 5 Chrysene-d12	240	11.348	11.342	0.006	80	706254	4.00	
* 6 Perylene-d12	264	12.881	12.876	0.005	86	697711	4.00	
$ 7 2-Fluorophenol	112	4.451	4.451	0.0	92	321914	4.09	
$ 8 Phenol-d5	99	5.284	5.274	0.010	0	339924	3.40	
$ 9 Nitrobenzene-d5	82	5.904	5.893	0.011	86	609936	7.33	
$ 11 2,4,6-Tribromophenol	330	8.596	8.591	0.005	90	144483	6.05	
$ 12 p-Terphenyl-d14	244	10.461	10.461	0.0	99	933229	7.04	
71 Benzaldehyde	77	5.076	5.076	0.0	72	4265	0.0581	
74 Bis(2-chloroethyl)ether	93		5.231					
72 Phenol	94		5.284					
75 2-Chlorophenol	128		5.306					
83 2,2'-oxybis[1-chloropropane]	45		5.674					
82 2-Methylphenol	108		5.738					
86 Acetophenone	105		5.776					
87 N-Nitrosodi-n-propylamine	70		5.781					
89 Hexachloroethane	117		5.840					
88 4-Methylphenol	108		5.877					
85 Nitrobenzene	77		5.909					
94 Isophorone	82		6.112					
97 2-Nitrophenol	139		6.176					
99 2,4-Dimethylphenol	107		6.278					
103 Bis(2-chloroethoxy)methane	93		6.305					
106 2,4-Dichlorophenol	162		6.428					
107 Naphthalene	128	6.497	6.497	0.0	1	7439	0.0342	
108 4-Chloroaniline	127		6.572					
110 Hexachlorobutadiene	225		6.599					
114 Caprolactam	113		6.946					
117 4-Chloro-3-methylphenol	107		7.053					

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	On-Col Amt ng/uL	Flags
121 2-Methylnaphthalene	142	7.068	7.063	0.005	6	1579	0.0113	
125 Hexachlorocyclopentadiene	237		7.192					
127 2,4,6-Trichlorophenol	196		7.341					
129 2,4,5-Trichlorophenol	196		7.416					
130 1,1'-Biphenyl	154		7.453					
131 2-Chloronaphthalene	162		7.464					
132 2-Nitroaniline	65		7.587					
134 Dimethyl phthalate	163		7.731					
135 2,6-Dinitrotoluene	165		7.779					
137 Acenaphthylene	152		7.806					
140 3-Nitroaniline	138		7.945					
141 Acenaphthene	153		7.950					
142 2,4-Dinitrophenol	184		8.030					
145 Dibenzofuran	168		8.094					
144 2,4-Dinitrotoluene	165		8.110					
143 4-Nitrophenol	109		8.233					
149 Diethyl phthalate	149		8.308					
151 Fluorene	166		8.372					
152 4-Chlorophenyl phenyl ether	204		8.383					
154 4,6-Dinitro-2-methylphenol	198		8.447					
153 4-Nitroaniline	138		8.458					
157 N-Nitrosodiphenylamine	169		8.495					
164 4-Bromophenyl phenyl ether	248		8.784					
168 Hexachlorobenzene	284		8.821					
170 Atrazine	200		8.960					
172 Pentachlorophenol	266		9.035					
177 Phenanthrene	178	9.163	9.163	0.0	2	4072	0.0208	
180 Anthracene	178		9.200					
181 Carbazole	167		9.371					
184 Di-n-butyl phthalate	149	9.643	9.649	-0.006	88	15334	0.0736	
191 Fluoranthene	202	10.140	10.135	0.005	55	4411	0.0209	
193 Pyrene	202	10.322	10.317	0.005	69	4353	0.0233	
200 Butyl benzyl phthalate	149		10.872					
205 Benzo[a]anthracene	228	11.342	11.332	0.010	1	4472	0.0248	
204 3,3'-Dichlorobenzidine	252		11.337					
207 Chrysene	228	11.369	11.364	0.005	1	4394	0.0240	
206 Bis(2-ethylhexyl) phthalate	149	11.385	11.385	0.0	85	18025	0.1555	
208 Di-n-octyl phthalate	149		12.048					
209 Benzo[b]fluoranthene	252		12.432					
211 Benzo[k]fluoranthene	252		12.464					
213 Benzo[a]pyrene	252		12.806					
215 Indeno[1,2,3-cd]pyrene	276		14.185					
216 Dibenz(a,h)anthracene	278		14.227					
217 Benzo[g,h,i]perylene	276		14.516					
$ 10 2-Fluorobiphenyl	172	7.378	7.378	0.0	100	984280	7.11	

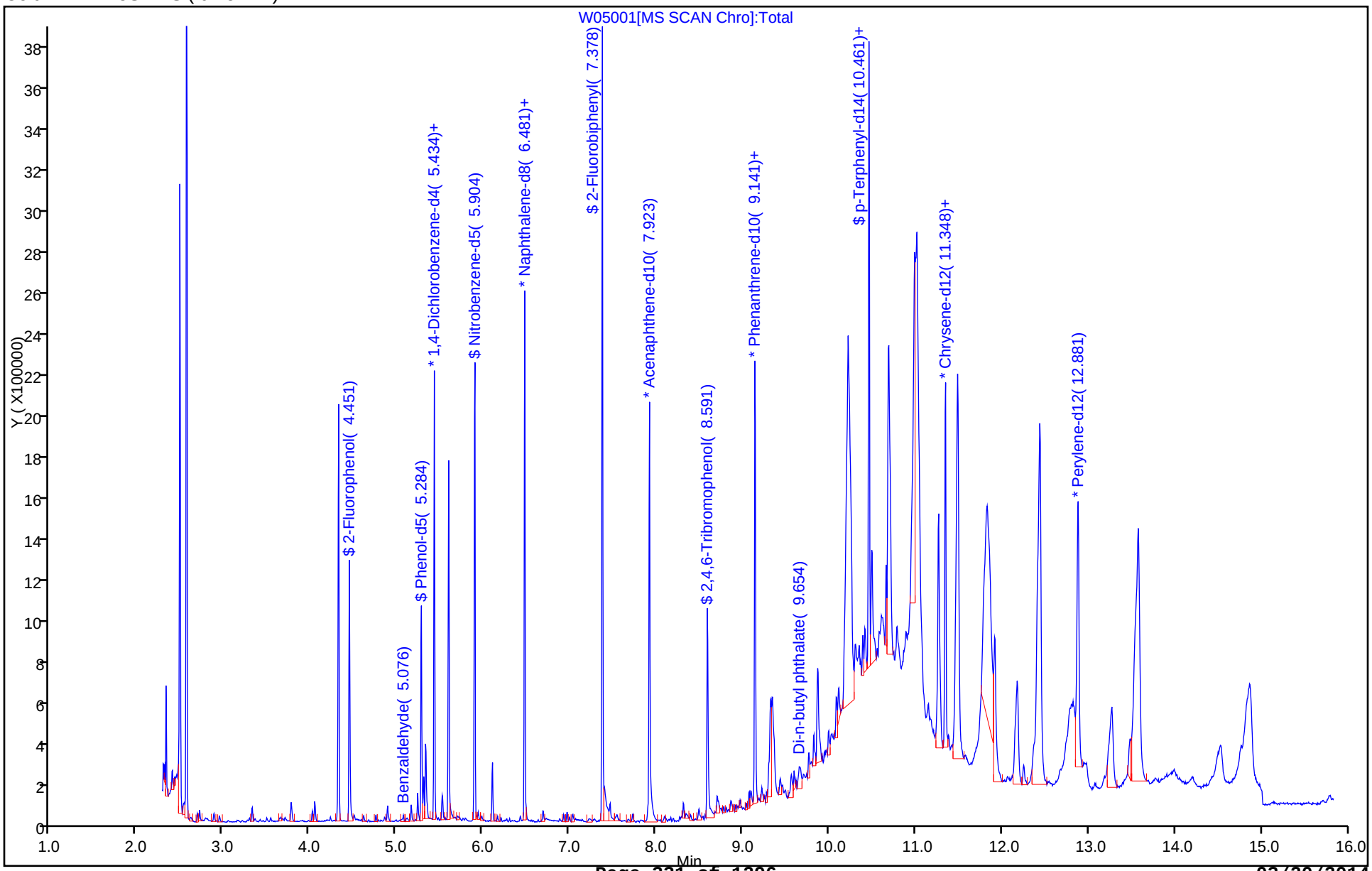
Report Date: 18-Mar-2014 09:47:05 Chrom Revision: 2.2 12-Mar-2014 11:19:24

TestAmerica Buffalo

Data File: \\Bufchrom\ChromData\HP5973W\20140317-30223.b\W05001.D

Injection Date:	18-Mar-2014 00:04:30	Instrument ID:	HP5973W	Operator ID:	rar
Lims ID:	480-55783-G-2-A	Lab Sample ID:	480-55783-2	Worklist Smp#:	23
Client ID:	MW-3				
Injection Vol:	5.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	24
Method:	W-LVI-8270	Limit Group:	MB - 8270D ICAL		

Column: RXI-5Sil MS (0.25 mm)



FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Buffalo | Job No.: 480-55783-1

SDG No.:

Client Sample ID: MW-1 | Lab Sample ID: 480-55880-1

Matrix: Water | Lab File ID: W05006.D

Analysis Method: 8270D | Date Collected: 03/11/2014 15:20

Extract. Method: 3510C | Date Extracted: 03/13/2014 06:53

Sample wt/vol: 253.7(mL) | Date Analyzed: 03/18/2014 02:02

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

Injection Volume: 5(uL) | Level: (low/med) Low

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

Analysis Batch No.: 170376 | Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
95-95-4	2,4,5-Trichlorophenol	ND		4.9	0.47
88-06-2	2,4,6-Trichlorophenol	ND		4.9	0.60
120-83-2	2,4-Dichlorophenol	ND		4.9	0.50
105-67-9	2,4-Dimethylphenol	ND		4.9	0.49
51-28-5	2,4-Dinitrophenol	ND		9.9	2.2
121-14-2	2,4-Dinitrotoluene	ND		4.9	0.44
606-20-2	2,6-Dinitrotoluene	ND		4.9	0.39
91-58-7	2-Chloronaphthalene	ND		4.9	0.45
95-57-8	2-Chlorophenol	ND		4.9	0.52
91-57-6	2-Methylnaphthalene	ND		4.9	0.59
95-48-7	2-Methylphenol	ND		4.9	0.39
88-74-4	2-Nitroaniline	ND		9.9	0.41
88-75-5	2-Nitrophenol	ND		4.9	0.47
91-94-1	3,3'-Dichlorobenzidine	ND		4.9	0.39
99-09-2	3-Nitroaniline	ND		9.9	0.47
534-52-1	4,6-Dinitro-2-methylphenol	ND		9.9	2.2
101-55-3	4-Bromophenyl phenyl ether	ND		4.9	0.44
59-50-7	4-Chloro-3-methylphenol	ND		4.9	0.44
106-47-8	4-Chloroaniline	ND		4.9	0.58
7005-72-3	4-Chlorophenyl phenyl ether	ND		4.9	0.34
106-44-5	4-Methylphenol	ND		9.9	0.35
100-01-6	4-Nitroaniline	ND		9.9	0.25
100-02-7	4-Nitrophenol	ND		9.9	1.5
83-32-9	Acenaphthene	ND		4.9	0.40
208-96-8	Acenaphthylene	ND		4.9	0.37
98-86-2	Acetophenone	ND		4.9	0.53
120-12-7	Anthracene	ND		4.9	0.28
1912-24-9	Atrazine	ND		4.9	0.45
100-52-7	Benzaldehyde	ND		4.9	0.26
56-55-3	Benzo[a]anthracene	ND		4.9	0.35
50-32-8	Benzo[a]pyrene	ND		4.9	0.46
205-99-2	Benzo[b]fluoranthene	ND		4.9	0.34
191-24-2	Benzo[g,h,i]perylene	ND		4.9	0.34
207-08-9	Benzo[k]fluoranthene	ND		4.9	0.72

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Buffalo | Job No.: 480-55783-1

SDG No.:

Client Sample ID: MW-1 | Lab Sample ID: 480-55880-1

Matrix: Water | Lab File ID: W05006.D

Analysis Method: 8270D | Date Collected: 03/11/2014 15:20

Extract. Method: 3510C | Date Extracted: 03/13/2014 06:53

Sample wt/vol: 253.7(mL) | Date Analyzed: 03/18/2014 02:02

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

Injection Volume: 5(uL) | Level: (low/med) Low

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

Analysis Batch No.: 170376 | Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
92-52-4	Biphenyl	ND		4.9	0.64
108-60-1	bis (2-chloroisopropyl) ether	ND		4.9	0.51
111-91-1	Bis(2-chloroethoxy)methane	ND		4.9	0.34
111-44-4	Bis(2-chloroethyl)ether	ND		4.9	0.39
117-81-7	Bis(2-ethylhexyl) phthalate	ND		4.9	1.8
85-68-7	Butyl benzyl phthalate	ND		4.9	0.41
105-60-2	Caprolactam	9.5		4.9	2.2
86-74-8	Carbazole	ND		4.9	0.30
218-01-9	Chrysene	ND		4.9	0.33
53-70-3	Dibenz(a,h)anthracene	ND		4.9	0.41
132-64-9	Dibenzofuran	ND		9.9	0.50
84-66-2	Diethyl phthalate	0.22	J	4.9	0.22
131-11-3	Dimethyl phthalate	ND		4.9	0.35
84-74-2	Di-n-butyl phthalate	ND		4.9	0.31
117-84-0	Di-n-octyl phthalate	ND		4.9	0.46
206-44-0	Fluoranthene	ND		4.9	0.39
86-73-7	Fluorene	ND		4.9	0.35
118-74-1	Hexachlorobenzene	ND		4.9	0.50
87-68-3	Hexachlorobutadiene	ND		4.9	0.67
77-47-4	Hexachlorocyclopentadiene	ND		4.9	0.58
67-72-1	Hexachloroethane	ND		4.9	0.58
193-39-5	Indeno[1,2,3-cd]pyrene	ND		4.9	0.46
78-59-1	Isophorone	ND		4.9	0.42
91-20-3	Naphthalene	ND		4.9	0.75
98-95-3	Nitrobenzene	ND		4.9	0.29
621-64-7	N-Nitrosodi-n-propylamine	ND		4.9	0.53
86-30-6	N-Nitrosodiphenylamine	ND		4.9	0.50
87-86-5	Pentachlorophenol	ND		9.9	2.2
85-01-8	Phenanthrene	ND		4.9	0.43
108-95-2	Phenol	ND		4.9	0.38
129-00-0	Pyrene	ND		4.9	0.34

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Buffalo | Job No.: 480-55783-1

SDG No.:

Client Sample ID: MW-1 | Lab Sample ID: 480-55880-1

Matrix: Water | Lab File ID: W05006.D

Analysis Method: 8270D | Date Collected: 03/11/2014 15:20

Extract. Method: 3510C | Date Extracted: 03/13/2014 06:53

Sample wt/vol: 253.7(mL) | Date Analyzed: 03/18/2014 02:02

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

Injection Volume: 5(uL) | Level: (low/med) Low

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

Analysis Batch No.: 170376 | Units: ug/L

CAS NO.	SURROGATE	%REC	Q	LIMITS
118-79-6	2,4,6-Tribromophenol (Surr)	90		52-132
367-12-4	2-Fluorophenol (Surr)	62		20-120
4165-60-0	Nitrobenzene-d5 (Surr)	91		46-120
4165-62-2	Phenol-d5 (Surr)	48		16-120
1718-51-0	p-Terphenyl-d14 (Surr)	110		67-150
321-60-8	2-Fluorobiphenyl	76		48-120

TestAmerica Buffalo
Target Compound Quantitation Report

Data File: \\Bufchrom\ChromData\HP5973W\20140317-30223.b\W05006.D
Lims ID: 480-55880-D-1-A Lab Sample ID: 480-55880-1
Client ID: MW-1
Sample Type: Client
Inject. Date: 18-Mar-2014 02:02:30 ALS Bottle#: 29 Worklist Smp#: 28
Injection Vol: 5.0 ul Dil. Factor: 1.0000
Sample Info: 480-0030223-028
Operator ID: rar Instrument ID: HP5973W

Method: \\Bufchrom\ChromData\HP5973W\20140317-30223.b\W-LVI-8270.m
Limit Group: MB - 8270D ICAL
Last Update: 18-Mar-2014 09:29:22 Calib Date: 06-Mar-2014 15:33:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\Bufchrom\ChromData\HP5973W\20140306-29988.b\W04766.D

Column 1 : RXI-5Sil MS (0.25 mm) Det: MS SCAN
Process Host: XAWRK018

First Level Reviewer: mckernar Date: 18-Mar-2014 09:25:19

	Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	On-Col Amt ng/uL	Flags
*	1 1,4-Dichlorobenzene-d4	152	5.434	5.434	0.0	97	244096	4.00	
*	2 Naphthalene-d8	136	6.481	6.481	0.0	99	901054	4.00	
*	3 Acenaphthene-d10	164	7.923	7.923	0.0	92	527677	4.00	
*	4 Phenanthrene-d10	188	9.141	9.147	-0.006	98	818960	4.00	
*	5 Chrysene-d12	240	11.348	11.342	0.006	80	652930	4.00	
*	6 Perylene-d12	264	12.881	12.876	0.005	84	369006	4.00	
$	7 2-Fluorophenol	112	4.451	4.451	0.0	93	370403	5.00	
$	8 Phenol-d5	99	5.284	5.274	0.010	0	361408	3.83	
$	9 Nitrobenzene-d5	82	5.904	5.893	0.011	87	606830	7.24	
$	11 2,4,6-Tribromophenol	330	8.596	8.591	0.005	92	181452	7.23	
$	12 p-Terphenyl-d14	244	10.466	10.461	0.005	98	1074994	8.77	
	71 Benzaldehyde	77	5.076	5.076	0.0	54	3756	0.0543	
	74 Bis(2-chloroethyl)ether	93		5.231					
	72 Phenol	94		5.284					
	75 2-Chlorophenol	128		5.306					
	83 2,2'-oxybis[1-chloropropane]	45		5.674					
	82 2-Methylphenol	108		5.738					
	86 Acetophenone	105		5.776					
	87 N-Nitrosodi-n-propylamine	70		5.781					
	89 Hexachloroethane	117		5.840					
	88 4-Methylphenol	108		5.877					
	85 Nitrobenzene	77		5.909					
	94 Isophorone	82		6.112					
	97 2-Nitrophenol	139		6.176					
	99 2,4-Dimethylphenol	107		6.278					
	103 Bis(2-chloroethoxy)methane	93		6.305					
	106 2,4-Dichlorophenol	162		6.428					
	107 Naphthalene	128	6.497	6.497	0.0	1	4768	0.0218	
	108 4-Chloroaniline	127		6.572					
	110 Hexachlorobutadiene	225		6.599					
	114 Caprolactam	113	6.860	6.946	-0.086	74	51758	2.41	
	117 4-Chloro-3-methylphenol	107		7.053					

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	On-Col Amt ng/uL	Flags
121 2-Methylnaphthalene	142		7.063					
125 Hexachlorocyclopentadiene	237		7.192					
127 2,4,6-Trichlorophenol	196		7.341					
129 2,4,5-Trichlorophenol	196		7.416					
130 1,1'-Biphenyl	154		7.453					
131 2-Chloronaphthalene	162		7.464					
132 2-Nitroaniline	65		7.587					
134 Dimethyl phthalate	163		7.731					
135 2,6-Dinitrotoluene	165		7.779					
137 Acenaphthylene	152		7.806					
140 3-Nitroaniline	138		7.945					
141 Acenaphthene	153		7.950					
142 2,4-Dinitrophenol	184		8.030					
145 Dibenzofuran	168		8.094					
144 2,4-Dinitrotoluene	165		8.110					
143 4-Nitrophenol	109		8.233					
149 Diethyl phthalate	149	8.308	8.308	0.0	59	8438	0.0552	
151 Fluorene	166		8.372					
152 4-Chlorophenyl phenyl ether	204		8.383					
154 4,6-Dinitro-2-methylphenol	198		8.447					
153 4-Nitroaniline	138		8.458					
157 N-Nitrosodiphenylamine	169		8.495					
164 4-Bromophenyl phenyl ether	248		8.784					
168 Hexachlorobenzene	284		8.821					
170 Atrazine	200		8.960					
172 Pentachlorophenol	266		9.035					
177 Phenanthrene	178	9.163	9.163	0.0	1	2809	0.0137	
180 Anthracene	178		9.200					
181 Carbazole	167		9.371					
184 Di-n-butyl phthalate	149	9.649	9.649	0.0	79	16883	0.0772	
191 Fluoranthene	202		10.135					
193 Pyrene	202		10.317					
200 Butyl benzyl phthalate	149		10.872					
205 Benzo[a]anthracene	228		11.332					
204 3,3'-Dichlorobenzidine	252		11.337					
207 Chrysene	228		11.364					
206 Bis(2-ethylhexyl) phthalate	149	11.385	11.385	0.0	76	27339	0.2551	
208 Di-n-octyl phthalate	149		12.048					
209 Benzo[b]fluoranthene	252		12.432					
211 Benzo[k]fluoranthene	252		12.464					
213 Benzo[a]pyrene	252		12.806					
215 Indeno[1,2,3-cd]pyrene	276		14.185					
216 Dibenz(a,h)anthracene	278		14.227					
217 Benzo[g,h,i]perylene	276		14.516					
$ 10 2-Fluorobiphenyl	172	7.378	7.378	0.0	100	994791	6.06	

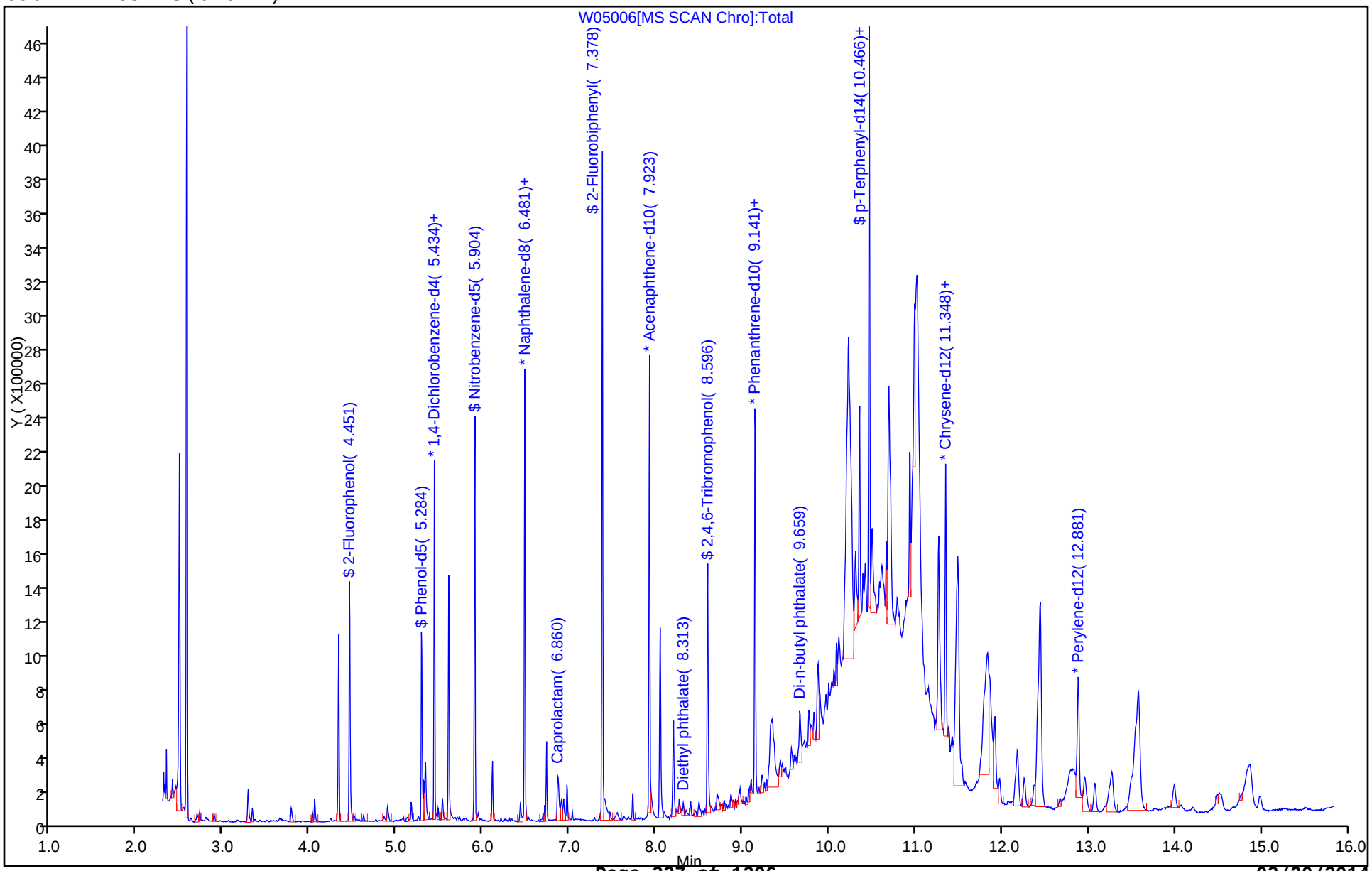
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TestAmerica Buffalo

Data File: \\Bufchrom\ChromData\HP5973W\20140317-30223.b\W05006.D

Injection Date:	18-Mar-2014 02:02:30	Instrument ID:	HP5973W	Operator ID:	rar
Lims ID:	480-55880-D-1-A	Lab Sample ID:	480-55880-1	Worklist Smp#:	28
Client ID:	MW-1				
Injection Vol:	5.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	29
Method:	W-LVI-8270	Limit Group:	MB - 8270D ICAL		

Column: RXI-5Sil MS (0.25 mm)



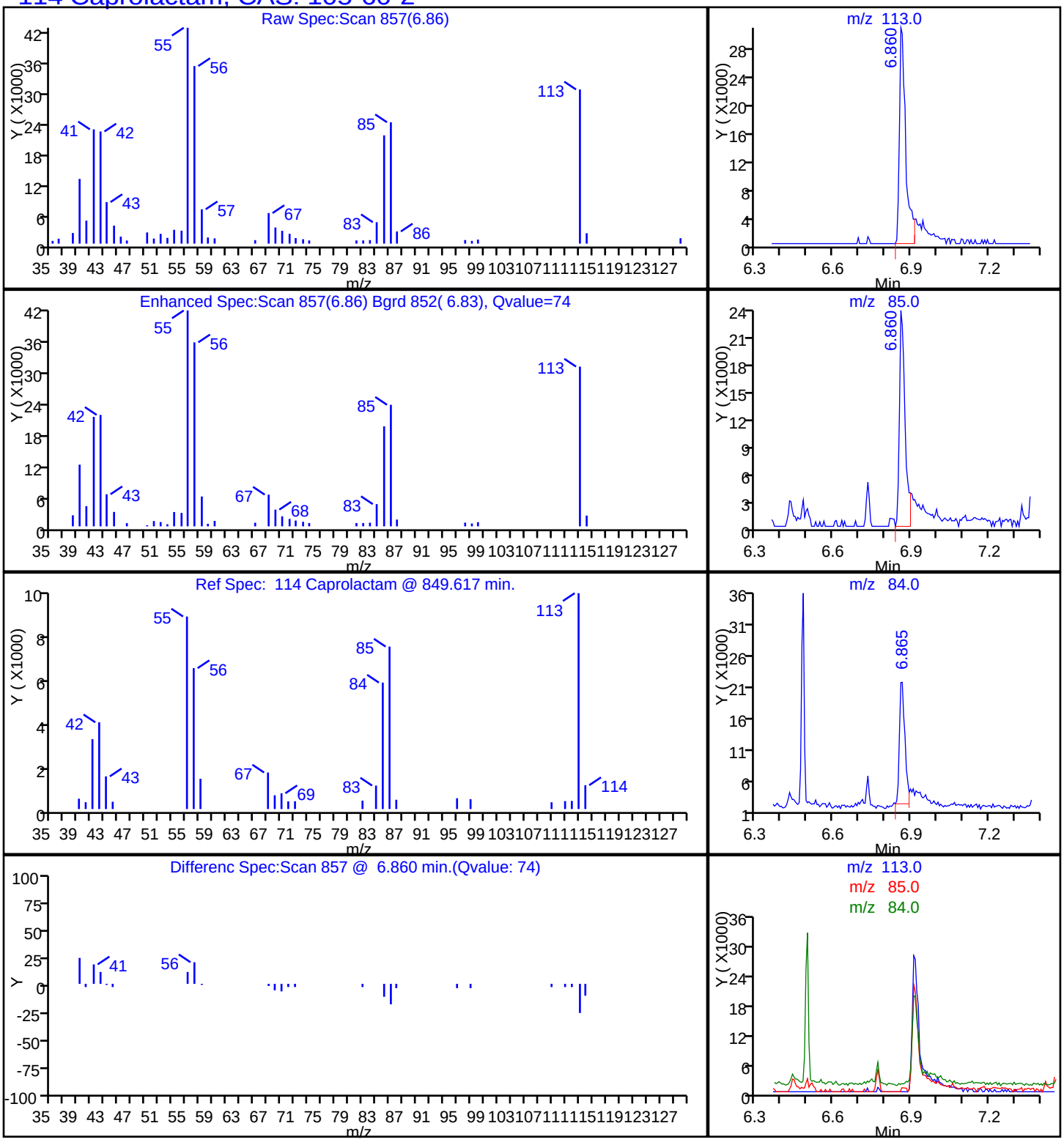
Report Date: 18-Mar-2014 09:47:29 Chrom Revision: 2.2 12-Mar-2014 11:19:24

TestAmerica Buffalo

Data File: \\Bufchrom\ChromData\HP5973W\20140317-30223.b\W05006.D

Injection Date:	18-Mar-2014 02:02:30	Instrument ID:	HP5973W		
Lims ID:	480-55880-D-1-A	Lab Sample ID:	480-55880-1		
Client ID:	MW-1				
Operator ID:	rar	ALS Bottle#:	29	Worklist Smp#:	28
Injection Vol:	5.0 ul	Dil. Factor:	1.0000		
Method:	W-LVI-8270	Limit Group:	MB - 8270D ICAL		
Column:	RXI-5Sil MS (0.25 mm)	Detector	MS SCAN		

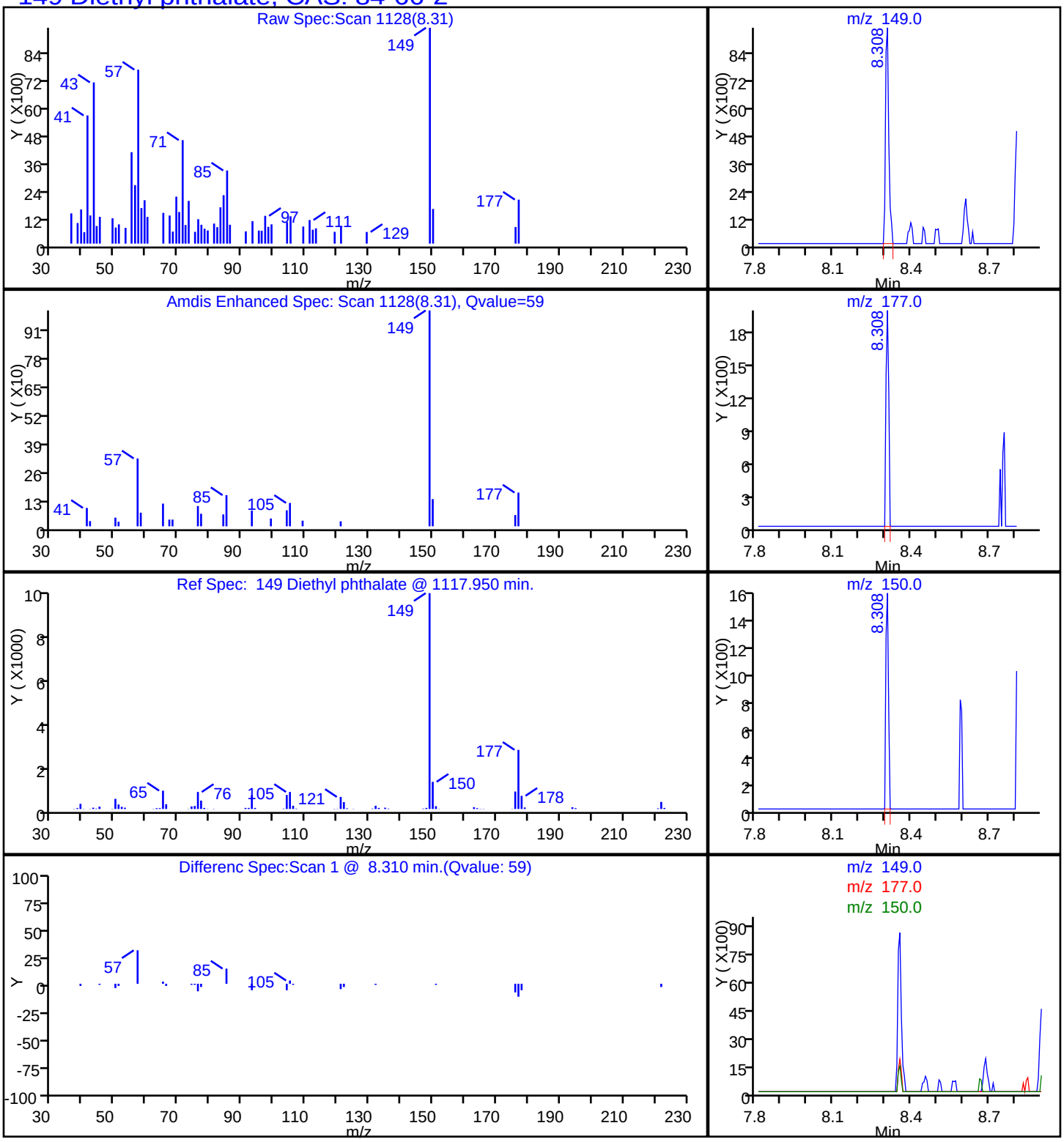
114 Caprolactam, CAS: 105-60-2



TestAmerica Buffalo

Data File:	\\Bufchrom\ChromData\HP5973W\20140317-30223.b\W05006.D				
Injection Date:	18-Mar-2014 02:02:30	Instrument ID:	HP5973W		
Lims ID:	480-55880-D-1-A	Lab Sample ID:	480-55880-1		
Client ID:	MW-1				
Operator ID:	rar	ALS Bottle#:	29	Worklist Smp#:	28
Injection Vol:	5.0 ul	Dil. Factor:	1.0000		
Method:	W-LVI-8270	Limit Group:	MB - 8270D ICAL		
Column:	RXI-5Sil MS (0.25 mm)	Detector	MS SCAN		

149 Diethyl phthalate, CAS: 84-66-2



FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Buffalo | Job No.: 480-55783-1

SDG No.:

Client Sample ID: MW-4 | Lab Sample ID: 480-55880-2

Matrix: Water | Lab File ID: W05008.D

Analysis Method: 8270D | Date Collected: 03/11/2014 14:35

Extract. Method: 3510C | Date Extracted: 03/13/2014 06:53

Sample wt/vol: 255.5(mL) | Date Analyzed: 03/18/2014 02:50

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

Injection Volume: 5(uL) | Level: (low/med) Low

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

Analysis Batch No.: 170376 | Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
95-95-4	2,4,5-Trichlorophenol	ND		4.9	0.47
88-06-2	2,4,6-Trichlorophenol	ND		4.9	0.60
120-83-2	2,4-Dichlorophenol	ND		4.9	0.50
105-67-9	2,4-Dimethylphenol	ND		4.9	0.49
51-28-5	2,4-Dinitrophenol	ND		9.8	2.2
121-14-2	2,4-Dinitrotoluene	ND		4.9	0.44
606-20-2	2,6-Dinitrotoluene	ND		4.9	0.39
91-58-7	2-Chloronaphthalene	ND		4.9	0.45
95-57-8	2-Chlorophenol	ND		4.9	0.52
91-57-6	2-Methylnaphthalene	ND		4.9	0.59
95-48-7	2-Methylphenol	ND		4.9	0.39
88-74-4	2-Nitroaniline	ND		9.8	0.41
88-75-5	2-Nitrophenol	ND		4.9	0.47
91-94-1	3,3'-Dichlorobenzidine	ND		4.9	0.39
99-09-2	3-Nitroaniline	ND		9.8	0.47
534-52-1	4,6-Dinitro-2-methylphenol	ND		9.8	2.2
101-55-3	4-Bromophenyl phenyl ether	ND		4.9	0.44
59-50-7	4-Chloro-3-methylphenol	ND		4.9	0.44
106-47-8	4-Chloroaniline	ND		4.9	0.58
7005-72-3	4-Chlorophenyl phenyl ether	ND		4.9	0.34
106-44-5	4-Methylphenol	ND		9.8	0.35
100-01-6	4-Nitroaniline	ND		9.8	0.24
100-02-7	4-Nitrophenol	ND		9.8	1.5
83-32-9	Acenaphthene	ND		4.9	0.40
208-96-8	Acenaphthylene	ND		4.9	0.37
98-86-2	Acetophenone	ND		4.9	0.53
120-12-7	Anthracene	ND		4.9	0.27
1912-24-9	Atrazine	ND		4.9	0.45
100-52-7	Benzaldehyde	ND		4.9	0.26
56-55-3	Benzo[a]anthracene	ND		4.9	0.35
50-32-8	Benzo[a]pyrene	ND		4.9	0.46
205-99-2	Benzo[b]fluoranthene	ND		4.9	0.33
191-24-2	Benzo[g,h,i]perylene	ND		4.9	0.34
207-08-9	Benzo[k]fluoranthene	ND		4.9	0.71

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Buffalo | Job No.: 480-55783-1

SDG No.:

Client Sample ID: MW-4 | Lab Sample ID: 480-55880-2

Matrix: Water | Lab File ID: W05008.D

Analysis Method: 8270D | Date Collected: 03/11/2014 14:35

Extract. Method: 3510C | Date Extracted: 03/13/2014 06:53

Sample wt/vol: 255.5(mL) | Date Analyzed: 03/18/2014 02:50

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

Injection Volume: 5(uL) | Level: (low/med) Low

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

Analysis Batch No.: 170376 | Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
92-52-4	Biphenyl	ND		4.9	0.64
108-60-1	bis (2-chloroisopropyl) ether	ND		4.9	0.51
111-91-1	Bis(2-chloroethoxy)methane	ND		4.9	0.34
111-44-4	Bis(2-chloroethyl)ether	ND		4.9	0.39
117-81-7	Bis(2-ethylhexyl) phthalate	ND		4.9	1.8
85-68-7	Butyl benzyl phthalate	ND		4.9	0.41
105-60-2	Caprolactam	8.1		4.9	2.2
86-74-8	Carbazole	ND		4.9	0.29
218-01-9	Chrysene	ND		4.9	0.32
53-70-3	Dibenz(a,h)anthracene	ND		4.9	0.41
132-64-9	Dibenzofuran	ND		9.8	0.50
84-66-2	Diethyl phthalate	0.43	J	4.9	0.22
131-11-3	Dimethyl phthalate	ND		4.9	0.35
84-74-2	Di-n-butyl phthalate	0.30	J	4.9	0.30
117-84-0	Di-n-octyl phthalate	ND		4.9	0.46
206-44-0	Fluoranthene	ND		4.9	0.39
86-73-7	Fluorene	ND		4.9	0.35
118-74-1	Hexachlorobenzene	ND		4.9	0.50
87-68-3	Hexachlorobutadiene	ND		4.9	0.67
77-47-4	Hexachlorocyclopentadiene	ND		4.9	0.58
67-72-1	Hexachloroethane	ND		4.9	0.58
193-39-5	Indeno[1,2,3-cd]pyrene	ND		4.9	0.46
78-59-1	Isophorone	ND		4.9	0.42
91-20-3	Naphthalene	ND		4.9	0.74
98-95-3	Nitrobenzene	ND		4.9	0.28
621-64-7	N-Nitrosodi-n-propylamine	ND		4.9	0.53
86-30-6	N-Nitrosodiphenylamine	ND		4.9	0.50
87-86-5	Pentachlorophenol	ND		9.8	2.2
85-01-8	Phenanthrene	ND		4.9	0.43
108-95-2	Phenol	ND		4.9	0.38
129-00-0	Pyrene	ND		4.9	0.33

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Buffalo | Job No.: 480-55783-1

SDG No.:

Client Sample ID: MW-4 | Lab Sample ID: 480-55880-2

Matrix: Water | Lab File ID: W05008.D

Analysis Method: 8270D | Date Collected: 03/11/2014 14:35

Extract. Method: 3510C | Date Extracted: 03/13/2014 06:53

Sample wt/vol: 255.5(mL) | Date Analyzed: 03/18/2014 02:50

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

Injection Volume: 5(uL) | Level: (low/med) Low

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

Analysis Batch No.: 170376 | Units: ug/L

CAS NO.	SURROGATE	%REC	Q	LIMITS
118-79-6	2,4,6-Tribromophenol (Surr)	100		52-132
367-12-4	2-Fluorophenol (Surr)	64		20-120
4165-60-0	Nitrobenzene-d5 (Surr)	90		46-120
4165-62-2	Phenol-d5 (Surr)	52		16-120
1718-51-0	p-Terphenyl-d14 (Surr)	80		67-150
321-60-8	2-Fluorobiphenyl	89		48-120

TestAmerica Buffalo
Target Compound Quantitation Report

Data File: \\Bufchrom\ChromData\HP5973W\20140317-30223.b\W05008.D
Lims ID: 480-55880-F-2-A Lab Sample ID: 480-55880-2
Client ID: MW-4
Sample Type: Client
Inject. Date: 18-Mar-2014 02:50:30 ALS Bottle#: 31 Worklist Smp#: 30
Injection Vol: 5.0 ul Dil. Factor: 1.0000
Sample Info: 480-0030223-030
Operator ID: rar Instrument ID: HP5973W

Method: \\Bufchrom\ChromData\HP5973W\20140317-30223.b\W-LVI-8270.m
Limit Group: MB - 8270D ICAL
Last Update: 18-Mar-2014 09:29:22 Calib Date: 06-Mar-2014 15:33:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\Bufchrom\ChromData\HP5973W\20140306-29988.b\W04766.D

Column 1 : RXI-5Sil MS (0.25 mm) Det: MS SCAN
Process Host: XAWRK018

First Level Reviewer: mckernar Date: 18-Mar-2014 09:29:22

	Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	On-Col Amt ng/uL	Flags
*	1 1,4-Dichlorobenzene-d4	152	5.434	5.434	0.0	96	264271	4.00	
*	2 Naphthalene-d8	136	6.481	6.481	0.0	99	931208	4.00	
*	3 Acenaphthene-d10	164	7.923	7.923	0.0	93	452992	4.00	
*	4 Phenanthrene-d10	188	9.141	9.147	-0.006	98	745953	4.00	
*	5 Chrysene-d12	240	11.348	11.342	0.006	80	729827	4.00	
*	6 Perylene-d12	264	12.881	12.876	0.005	84	353433	4.00	
$	7 2-Fluorophenol	112	4.456	4.451	0.005	92	410006	5.11	
$	8 Phenol-d5	99	5.289	5.274	0.015	0	425433	4.17	
$	9 Nitrobenzene-d5	82	5.904	5.893	0.011	87	621054	7.17	
$	11 2,4,6-Tribromophenol	330	8.596	8.591	0.005	90	181904	7.96	
$	12 p-Terphenyl-d14	244	10.466	10.461	0.005	97	880592	6.43	
	71 Benzaldehyde	77	5.076	5.076	0.0	73	4822	0.0644	
	74 Bis(2-chloroethyl)ether	93		5.231					
	72 Phenol	94		5.284					
	75 2-Chlorophenol	128		5.306					
	83 2,2'-oxybis[1-chloropropane]	45		5.674					
	82 2-Methylphenol	108		5.738					
	86 Acetophenone	105		5.776					
	87 N-Nitrosodi-n-propylamine	70		5.781					
	89 Hexachloroethane	117		5.840					
	88 4-Methylphenol	108		5.877					
	85 Nitrobenzene	77		5.909					
	94 Isophorone	82		6.112					
	97 2-Nitrophenol	139		6.176					
	99 2,4-Dimethylphenol	107		6.278					
	103 Bis(2-chloroethoxy)methane	93		6.305					
	106 2,4-Dichlorophenol	162		6.428					
	107 Naphthalene	128	6.497	6.497	0.0	1	6397	0.0283	
	108 4-Chloroaniline	127		6.572					
	110 Hexachlorobutadiene	225		6.599					
	114 Caprolactam	113	6.865	6.946	-0.081	76	46135	2.08	
	117 4-Chloro-3-methylphenol	107		7.053					

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	On-Col Amt ng/uL	Flags
121 2-Methylnaphthalene	142	7.068	7.063	0.005	1	481	0.003316	
125 Hexachlorocyclopentadiene	237		7.192					
127 2,4,6-Trichlorophenol	196		7.341					
129 2,4,5-Trichlorophenol	196		7.416					
130 1,1'-Biphenyl	154		7.453					
131 2-Chloronaphthalene	162		7.464					
132 2-Nitroaniline	65		7.587					
134 Dimethyl phthalate	163		7.731					
135 2,6-Dinitrotoluene	165		7.779					
137 Acenaphthylene	152		7.806					
140 3-Nitroaniline	138		7.945					
141 Acenaphthene	153		7.950					
142 2,4-Dinitrophenol	184		8.030					
145 Dibenzofuran	168		8.094					
144 2,4-Dinitrotoluene	165		8.110					
143 4-Nitrophenol	109		8.233					
149 Diethyl phthalate	149	8.308	8.308	0.0	81	14406	0.1097	
151 Fluorene	166		8.372					
152 4-Chlorophenyl phenyl ether	204		8.383					
154 4,6-Dinitro-2-methylphenol	198		8.447					
153 4-Nitroaniline	138		8.458					
157 N-Nitrosodiphenylamine	169		8.495					
164 4-Bromophenyl phenyl ether	248		8.784					
168 Hexachlorobenzene	284		8.821					
170 Atrazine	200		8.960					
172 Pentachlorophenol	266		9.035					
177 Phenanthrene	178	9.163	9.163	0.0	1	2837	0.0152	
180 Anthracene	178	9.205	9.200	0.005	44	3900	0.0201	
181 Carbazole	167		9.371					
184 Di-n-butyl phthalate	149	9.649	9.649	0.0	65	15366	0.0771	
191 Fluoranthene	202		10.135					
193 Pyrene	202		10.317					
200 Butyl benzyl phthalate	149		10.872					
205 Benzo[a]anthracene	228		11.332					
204 3,3'-Dichlorobenzidine	252		11.337					
207 Chrysene	228		11.364					
206 Bis(2-ethylhexyl) phthalate	149	11.385	11.385	0.0	77	18600	0.1553	
208 Di-n-octyl phthalate	149		12.048					
209 Benzo[b]fluoranthene	252		12.432					
211 Benzo[k]fluoranthene	252		12.464					
213 Benzo[a]pyrene	252		12.806					
215 Indeno[1,2,3-cd]pyrene	276		14.185					
216 Dibenz(a,h)anthracene	278		14.227					
217 Benzo[g,h,i]perylene	276		14.516					
$ 10 2-Fluorobiphenyl	172	7.378	7.378	0.0	99	1001709	7.10	

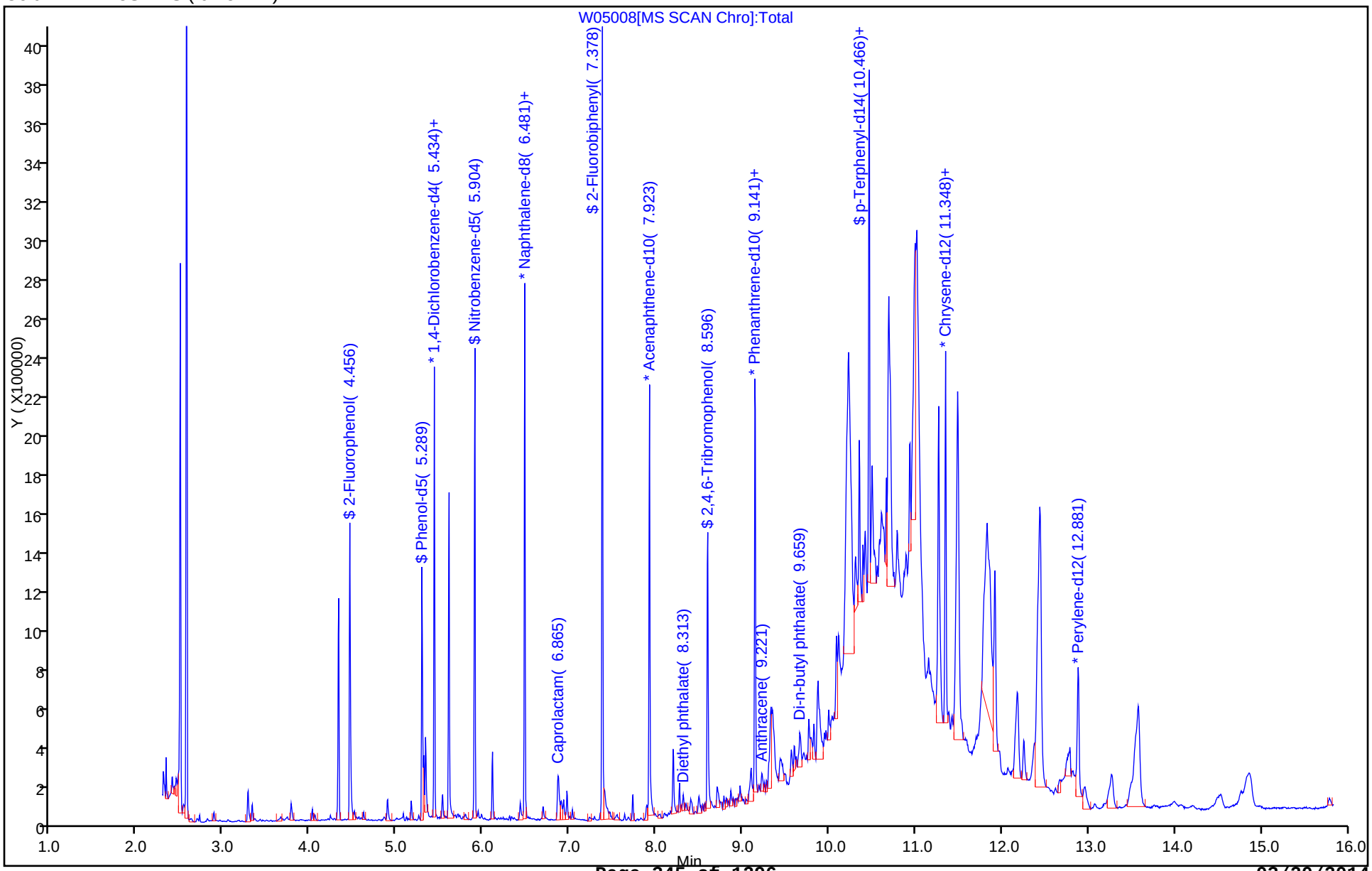
Report Date: 18-Mar-2014 09:48:12 Chrom Revision: 2.2 12-Mar-2014 11:19:24

TestAmerica Buffalo

Data File: \\Bufchrom\ChromData\HP5973W\20140317-30223.b\W05008.D

Injection Date:	18-Mar-2014 02:50:30	Instrument ID:	HP5973W	Operator ID:	rar
Lims ID:	480-55880-F-2-A	Lab Sample ID:	480-55880-2	Worklist Smp#:	30
Client ID:	MW-4				
Injection Vol:	5.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	31
Method:	W-LVI-8270	Limit Group:	MB - 8270D ICAL		

Column: RXI-5Sil MS (0.25 mm)



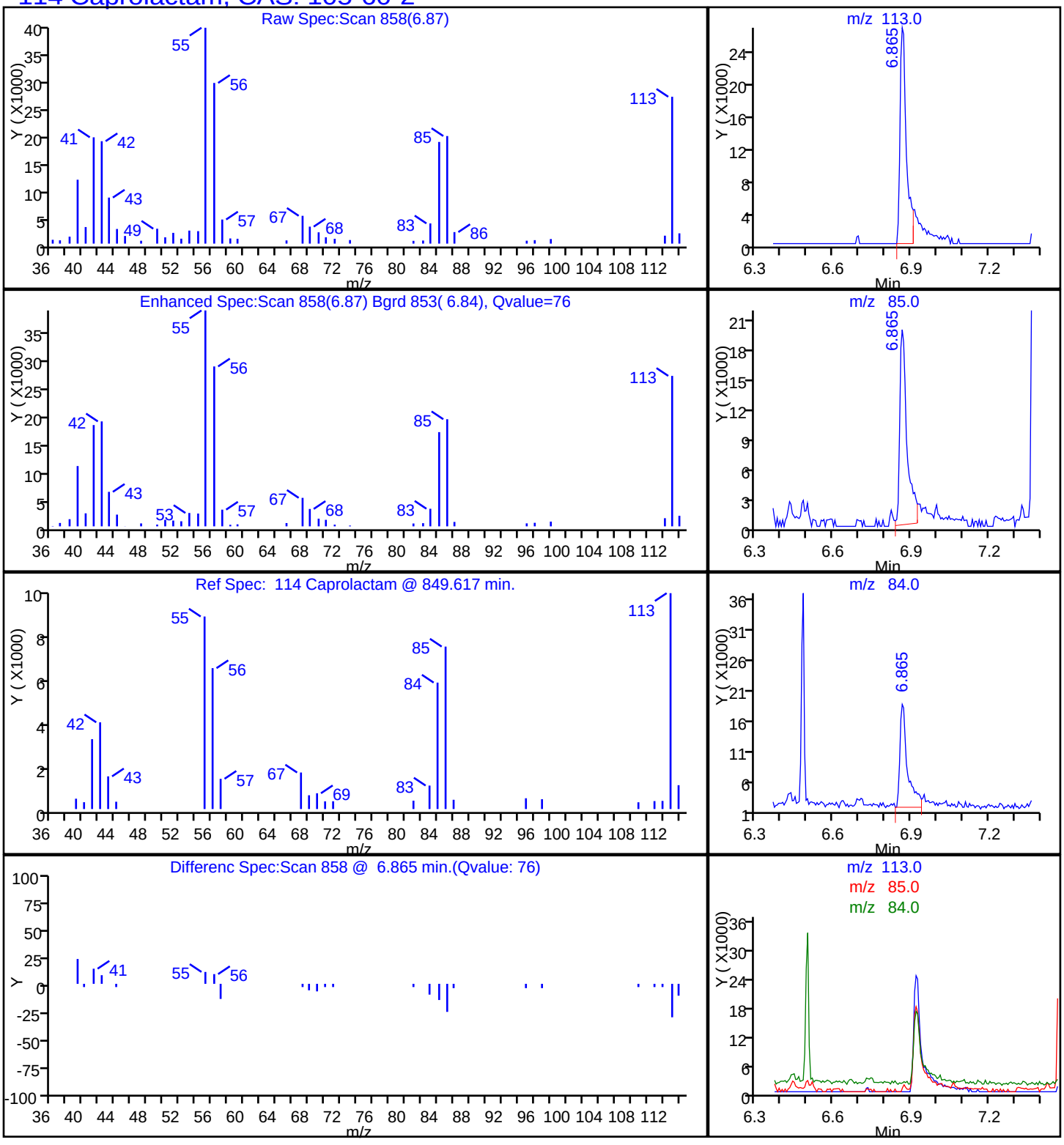
Report Date: 18-Mar-2014 09:48:12 Chrom Revision: 2.2 12-Mar-2014 11:19:24

TestAmerica Buffalo

Data File: \\Bufchrom\ChromData\HP5973W\20140317-30223.b\W05008.D

Injection Date:	18-Mar-2014 02:50:30	Instrument ID:	HP5973W		
Lims ID:	480-55880-F-2-A	Lab Sample ID:	480-55880-2		
Client ID:	MW-4				
Operator ID:	rar	ALS Bottle#:	31	Worklist Smp#:	30
Injection Vol:	5.0 ul	Dil. Factor:	1.0000		
Method:	W-LVI-8270	Limit Group:	MB - 8270D ICAL		
Column:	RXI-5Sil MS (0.25 mm)	Detector	MS SCAN		

114 Caprolactam, CAS: 105-60-2



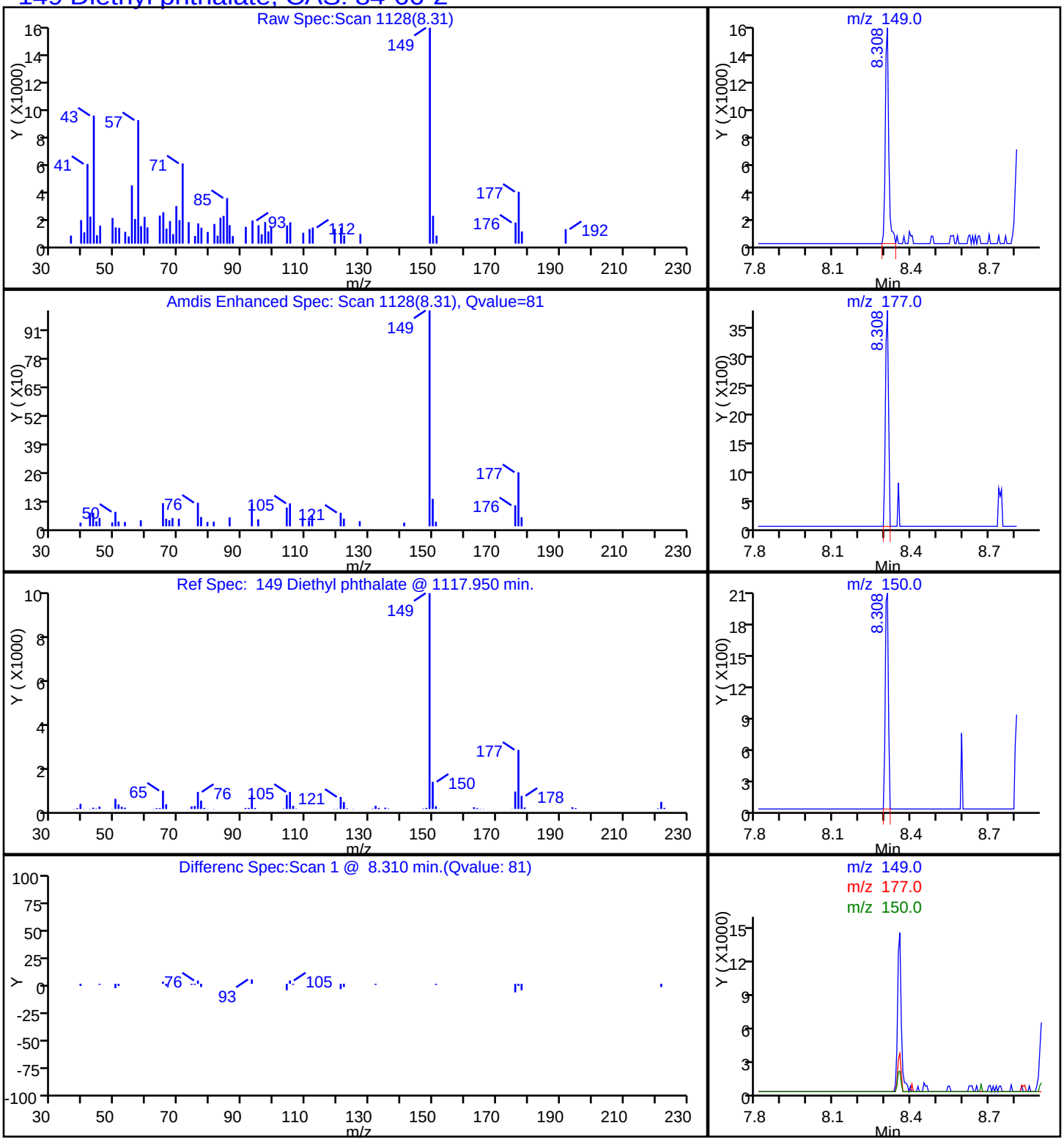
Report Date: 18-Mar-2014 09:48:12 Chrom Revision: 2.2 12-Mar-2014 11:19:24

TestAmerica Buffalo

Data File: \\Bufchrom\ChromData\HP5973W\20140317-30223.b\W05008.D

Injection Date:	18-Mar-2014 02:50:30	Instrument ID:	HP5973W
Lims ID:	480-55880-F-2-A	Lab Sample ID:	480-55880-2
Client ID:	MW-4		
Operator ID:	rar	ALS Bottle#:	31 Worklist Smp#: 30
Injection Vol:	5.0 ul	Dil. Factor:	1.0000
Method:	W-LVI-8270	Limit Group:	MB - 8270D ICAL
Column:	RXI-5Sil MS (0.25 mm)	Detector	MS SCAN

149 Diethyl phthalate, CAS: 84-66-2



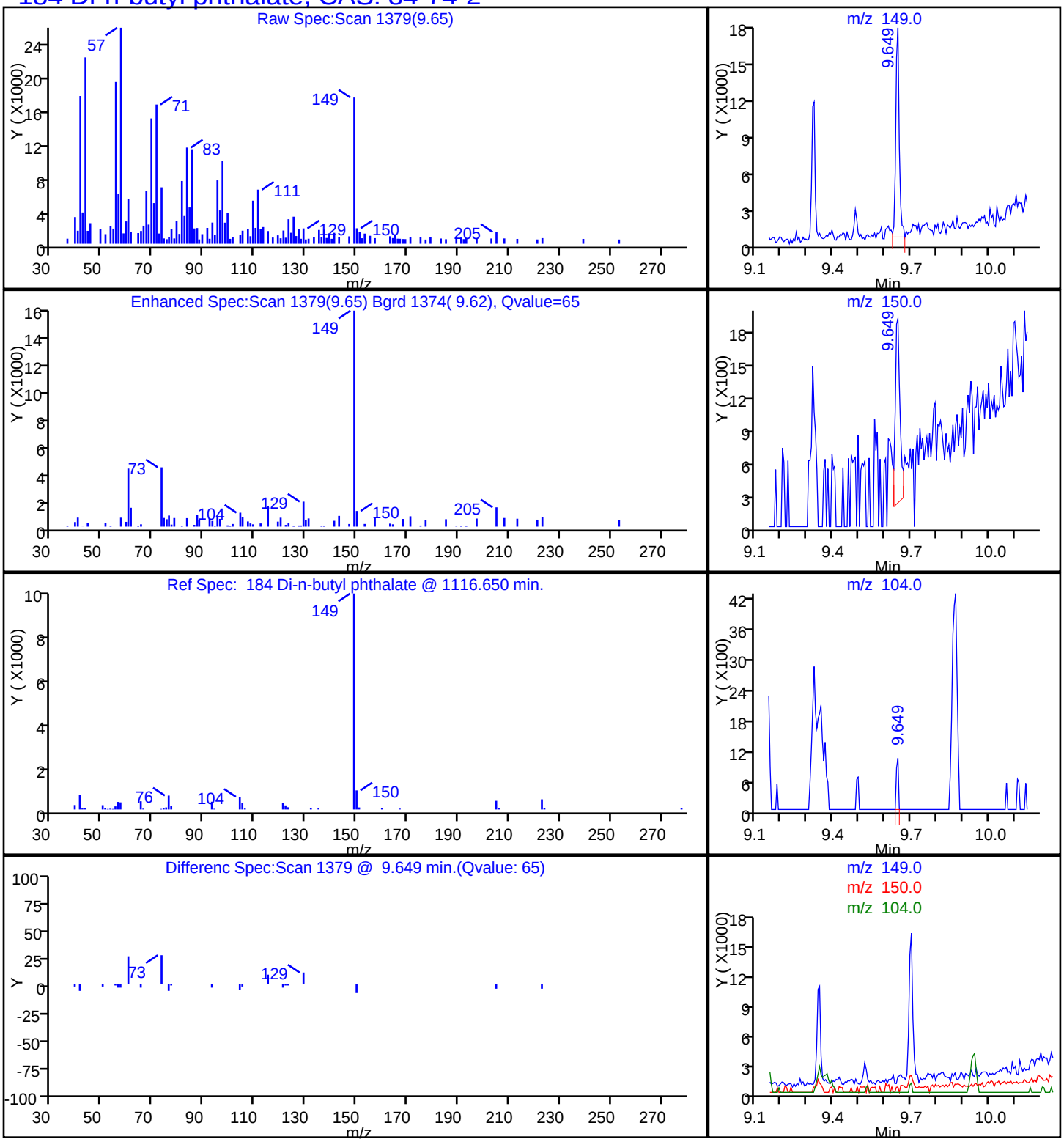
Report Date: 18-Mar-2014 09:48:12 Chrom Revision: 2.2 12-Mar-2014 11:19:24

TestAmerica Buffalo

Data File: \\Bufchrom\ChromData\HP5973W\20140317-30223.b\W05008.D

Injection Date:	18-Mar-2014 02:50:30	Instrument ID:	HP5973W		
Lims ID:	480-55880-F-2-A	Lab Sample ID:	480-55880-2		
Client ID:	MW-4				
Operator ID:	rar	ALS Bottle#:	31	Worklist Smp#:	30
Injection Vol:	5.0 ul	Dil. Factor:	1.0000		
Method:	W-LVI-8270	Limit Group:	MB - 8270D ICAL		
Column:	RXI-5Sil MS (0.25 mm)	Detector	MS SCAN		

184 Di-n-butyl phthalate, CAS: 84-74-2



FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Buffalo | Job No.: 480-55783-1

SDG No.:

Client Sample ID: MW-5 | Lab Sample ID: 480-55880-3

Matrix: Water | Lab File ID: W05007.D

Analysis Method: 8270D | Date Collected: 03/11/2014 13:50

Extract. Method: 3510C | Date Extracted: 03/13/2014 06:53

Sample wt/vol: 253.4(mL) | Date Analyzed: 03/18/2014 02:26

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

Injection Volume: 5(uL) | Level: (low/med) Low

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

Analysis Batch No.: 170376 | Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
95-95-4	2,4,5-Trichlorophenol	ND		4.9	0.47
88-06-2	2,4,6-Trichlorophenol	ND		4.9	0.60
120-83-2	2,4-Dichlorophenol	ND		4.9	0.50
105-67-9	2,4-Dimethylphenol	ND		4.9	0.49
51-28-5	2,4-Dinitrophenol	ND		9.9	2.2
121-14-2	2,4-Dinitrotoluene	ND		4.9	0.44
606-20-2	2,6-Dinitrotoluene	ND		4.9	0.39
91-58-7	2-Chloronaphthalene	ND		4.9	0.45
95-57-8	2-Chlorophenol	ND		4.9	0.52
91-57-6	2-Methylnaphthalene	ND		4.9	0.59
95-48-7	2-Methylphenol	ND		4.9	0.39
88-74-4	2-Nitroaniline	ND		9.9	0.41
88-75-5	2-Nitrophenol	ND		4.9	0.47
91-94-1	3,3'-Dichlorobenzidine	ND	*	4.9	0.39
99-09-2	3-Nitroaniline	ND		9.9	0.47
534-52-1	4,6-Dinitro-2-methylphenol	ND	*	9.9	2.2
101-55-3	4-Bromophenyl phenyl ether	ND	*	4.9	0.44
59-50-7	4-Chloro-3-methylphenol	ND		4.9	0.44
106-47-8	4-Chloroaniline	ND		4.9	0.58
7005-72-3	4-Chlorophenyl phenyl ether	ND		4.9	0.35
106-44-5	4-Methylphenol	ND		9.9	0.36
100-01-6	4-Nitroaniline	ND		9.9	0.25
100-02-7	4-Nitrophenol	ND		9.9	1.5
83-32-9	Acenaphthene	ND		4.9	0.40
208-96-8	Acenaphthylene	ND		4.9	0.37
98-86-2	Acetophenone	ND		4.9	0.53
120-12-7	Anthracene	ND	*	4.9	0.28
1912-24-9	Atrazine	ND		4.9	0.45
100-52-7	Benzaldehyde	ND		4.9	0.26
56-55-3	Benzo[a]anthracene	ND	*	4.9	0.36
50-32-8	Benzo[a]pyrene	ND	*	4.9	0.46
205-99-2	Benzo[b]fluoranthene	ND	*	4.9	0.34
191-24-2	Benzo[g,h,i]perylene	ND	*	4.9	0.35
207-08-9	Benzo[k]fluoranthene	ND	*	4.9	0.72

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Buffalo | Job No.: 480-55783-1

SDG No.:

Client Sample ID: MW-5 | Lab Sample ID: 480-55880-3

Matrix: Water | Lab File ID: W05007.D

Analysis Method: 8270D | Date Collected: 03/11/2014 13:50

Extract. Method: 3510C | Date Extracted: 03/13/2014 06:53

Sample wt/vol: 253.4(mL) | Date Analyzed: 03/18/2014 02:26

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

Injection Volume: 5(uL) | Level: (low/med) Low

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

Analysis Batch No.: 170376 | Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
92-52-4	Biphenyl	ND		4.9	0.64
108-60-1	bis (2-chloroisopropyl) ether	ND		4.9	0.51
111-91-1	Bis(2-chloroethoxy)methane	ND		4.9	0.35
111-44-4	Bis(2-chloroethyl)ether	ND		4.9	0.39
117-81-7	Bis(2-ethylhexyl) phthalate	ND	*	4.9	1.8
85-68-7	Butyl benzyl phthalate	ND	*	4.9	0.41
105-60-2	Caprolactam	59		4.9	2.2
86-74-8	Carbazole	ND	*	4.9	0.30
218-01-9	Chrysene	ND	*	4.9	0.33
53-70-3	Dibenz(a,h)anthracene	ND	*	4.9	0.41
132-64-9	Dibenzofuran	ND		9.9	0.50
84-66-2	Diethyl phthalate	0.84	J	4.9	0.22
131-11-3	Dimethyl phthalate	ND		4.9	0.36
84-74-2	Di-n-butyl phthalate	ND	*	4.9	0.31
117-84-0	Di-n-octyl phthalate	ND	*	4.9	0.46
206-44-0	Fluoranthene	ND	*	4.9	0.39
86-73-7	Fluorene	ND		4.9	0.36
118-74-1	Hexachlorobenzene	ND	*	4.9	0.50
87-68-3	Hexachlorobutadiene	ND		4.9	0.67
77-47-4	Hexachlorocyclopentadiene	ND		4.9	0.58
67-72-1	Hexachloroethane	ND		4.9	0.58
193-39-5	Indeno[1,2,3-cd]pyrene	ND	*	4.9	0.46
78-59-1	Isophorone	ND		4.9	0.42
91-20-3	Naphthalene	ND		4.9	0.75
98-95-3	Nitrobenzene	ND		4.9	0.29
621-64-7	N-Nitrosodi-n-propylamine	ND		4.9	0.53
86-30-6	N-Nitrosodiphenylamine	ND	*	4.9	0.50
87-86-5	Pentachlorophenol	ND	*	9.9	2.2
85-01-8	Phenanthrene	ND	*	4.9	0.43
108-95-2	Phenol	ND		4.9	0.38
129-00-0	Pyrene	ND	*	4.9	0.34

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Buffalo | Job No.: 480-55783-1

SDG No.:

Client Sample ID: MW-5 | Lab Sample ID: 480-55880-3

Matrix: Water | Lab File ID: W05007.D

Analysis Method: 8270D | Date Collected: 03/11/2014 13:50

Extract. Method: 3510C | Date Extracted: 03/13/2014 06:53

Sample wt/vol: 253.4(mL) | Date Analyzed: 03/18/2014 02:26

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

Injection Volume: 5(uL) | Level: (low/med) Low

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

Analysis Batch No.: 170376 | Units: ug/L

CAS NO.	SURROGATE	%REC	Q	LIMITS
118-79-6	2,4,6-Tribromophenol (Surr)	111	*	52-132
367-12-4	2-Fluorophenol (Surr)	59		20-120
4165-60-0	Nitrobenzene-d5 (Surr)	91		46-120
4165-62-2	Phenol-d5 (Surr)	49		16-120
1718-51-0	p-Terphenyl-d14 (Surr)	92	*	67-150
321-60-8	2-Fluorobiphenyl	93		48-120

TestAmerica Buffalo
Target Compound Quantitation Report

Data File: \\Bufchrom\ChromData\HP5973W\20140317-30223.b\W05007.D
Lims ID: 480-55880-D-3-A Lab Sample ID: 480-55880-3
Client ID: MW-5
Sample Type: Client
Inject. Date: 18-Mar-2014 02:26:30 ALS Bottle#: 30 Worklist Smp#: 29
Injection Vol: 5.0 ul Dil. Factor: 1.0000
Sample Info: 480-0030223-029
Operator ID: rar Instrument ID: HP5973W

Method: \\Bufchrom\ChromData\HP5973W\20140317-30223.b\W-LVI-8270.m
Limit Group: MB - 8270D ICAL
Last Update: 18-Mar-2014 09:29:22 Calib Date: 06-Mar-2014 15:33:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\Bufchrom\ChromData\HP5973W\20140306-29988.b\W04766.D

Column 1 : RXI-5Sil MS (0.25 mm) Det: MS SCAN
Process Host: XAWRK018

First Level Reviewer: mckernar Date: 18-Mar-2014 09:26:01

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	On-Col Amt ng/uL	Flags
* 1 1,4-Dichlorobenzene-d4	152	5.434	5.434	0.0	96	239914	4.00	
* 2 Naphthalene-d8	136	6.481	6.481	0.0	99	872702	4.00	
* 3 Acenaphthene-d10	164	7.923	7.923	0.0	92	426299	4.00	
* 4 Phenanthrene-d10	188	9.141	9.147	-0.006	97	398288	4.00	s
* 5 Chrysene-d12	240	11.342	11.342	0.0	81	361418	4.00	s
* 6 Perylene-d12	264	12.876	12.876	0.0	84	330609	4.00	s
$ 7 2-Fluorophenol	112	4.456	4.451	0.005	90	341297	4.69	
$ 8 Phenol-d5	99	5.290	5.274	0.016	0	362510	3.91	
$ 9 Nitrobenzene-d5	82	5.899	5.893	0.006	88	588632	7.25	
$ 11 2,4,6-Tribromophenol	330	8.596	8.591	0.005	89	107969	8.85	
$ 12 p-Terphenyl-d14	244	10.461	10.461	0.0	99	499870	7.37	
71 Benzaldehyde	77	5.076	5.076	0.0	61	3180	0.0468	
74 Bis(2-chloroethyl)ether	93		5.231					
72 Phenol	94		5.284					
75 2-Chlorophenol	128		5.306					
83 2,2'-oxybis[1-chloropropane]	45		5.674					
82 2-Methylphenol	108		5.738					
86 Acetophenone	105		5.776					
87 N-Nitrosodi-n-propylamine	70		5.781					
89 Hexachloroethane	117		5.840					
88 4-Methylphenol	108		5.877					
85 Nitrobenzene	77		5.909					
94 Isophorone	82		6.112					
97 2-Nitrophenol	139		6.176					
99 2,4-Dimethylphenol	107		6.278					
103 Bis(2-chloroethoxy)methane	93		6.305					
106 2,4-Dichlorophenol	162		6.428					
107 Naphthalene	128	6.497	6.497	0.0	1	5991	0.0283	
108 4-Chloroaniline	127		6.572					
110 Hexachlorobutadiene	225		6.599					
114 Caprolactam	113	6.898	6.946	-0.048	79	311482	15.0	
117 4-Chloro-3-methylphenol	107		7.053					

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	On-Col Amt ng/uL	Flags
121 2-Methylnaphthalene	142		7.063					
125 Hexachlorocyclopentadiene	237		7.192					
127 2,4,6-Trichlorophenol	196		7.341					
129 2,4,5-Trichlorophenol	196		7.416					
130 1,1'-Biphenyl	154		7.453					
131 2-Chloronaphthalene	162		7.464					
132 2-Nitroaniline	65		7.587					
134 Dimethyl phthalate	163		7.731					
135 2,6-Dinitrotoluene	165		7.779					
137 Acenaphthylene	152		7.806					
140 3-Nitroaniline	138		7.945					
141 Acenaphthene	153		7.950					
142 2,4-Dinitrophenol	184		8.030					
145 Dibenzofuran	168		8.094					
144 2,4-Dinitrotoluene	165		8.110					
143 4-Nitrophenol	109		8.233					
149 Diethyl phthalate	149	8.308	8.308	0.0	87	26454	0.2140	
151 Fluorene	166		8.372					
152 4-Chlorophenyl phenyl ether	204		8.383					
154 4,6-Dinitro-2-methylphenol	198		8.447					
153 4-Nitroaniline	138		8.458					
157 N-Nitrosodiphenylamine	169		8.495					
164 4-Bromophenyl phenyl ether	248		8.784					
168 Hexachlorobenzene	284		8.821					
170 Atrazine	200		8.960					
172 Pentachlorophenol	266		9.035					
177 Phenanthrene	178		9.163					
180 Anthracene	178		9.200					
181 Carbazole	167		9.371					
184 Di-n-butyl phthalate	149	9.649	9.649	0.0	58	8125	0.0764	
191 Fluoranthene	202		10.135					
193 Pyrene	202		10.317					
200 Butyl benzyl phthalate	149		10.872					
205 Benzo[a]anthracene	228		11.332					
204 3,3'-Dichlorobenzidine	252		11.337					
207 Chrysene	228		11.364					
206 Bis(2-ethylhexyl) phthalate	149	11.385	11.385	0.0	73	8776	0.1480	
208 Di-n-octyl phthalate	149		12.048					
209 Benzo[b]fluoranthene	252		12.432					
211 Benzo[k]fluoranthene	252		12.464					
213 Benzo[a]pyrene	252		12.806					
215 Indeno[1,2,3-cd]pyrene	276		14.185					
216 Dibenz(a,h)anthracene	278		14.227					
217 Benzo[g,h,i]perylene	276		14.516					
$ 10 2-Fluorobiphenyl	172	7.378	7.378	0.0	99	988050	7.44	

QC Flag Legend

Processing Flags
s - Failed ISTD Recovery Test

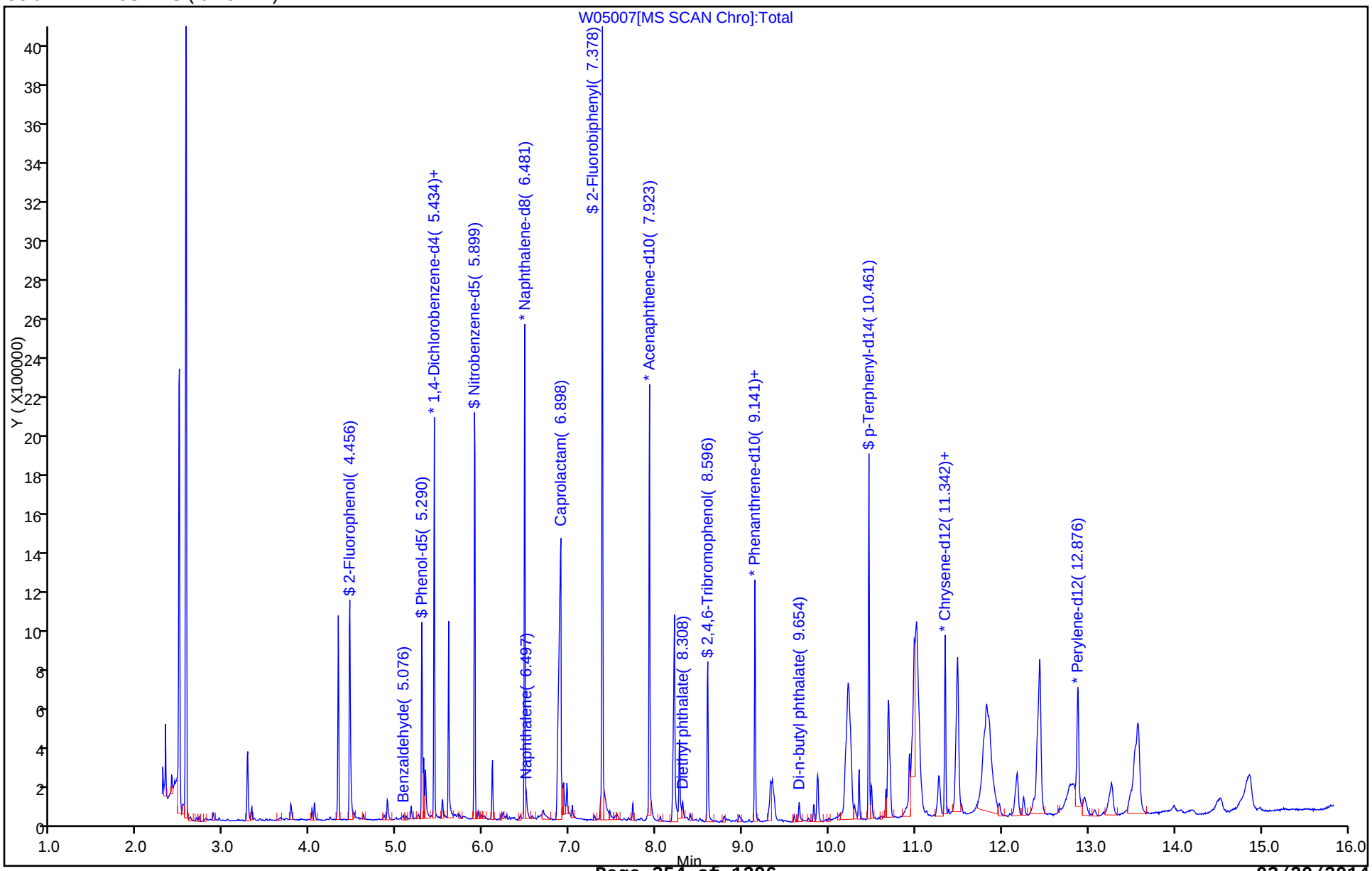
Report Date: 18-Mar-2014 09:47:58 Chrom Revision: 2.2 12-Mar-2014 11:19:24

TestAmerica Buffalo

Data File: \\Bufchrom\ChromData\HP5973W\20140317-30223.b\W05007.D

Injection Date:	18-Mar-2014 02:26:30	Instrument ID:	HP5973W	Operator ID:	rar
Lims ID:	480-55880-D-3-A	Lab Sample ID:	480-55880-3	Worklist Smp#:	29
Client ID:	MW-5				
Injection Vol:	5.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	30
Method:	W-LVI-8270	Limit Group:	MB - 8270D ICAL		

Column: RXI-5Sil MS (0.25 mm)



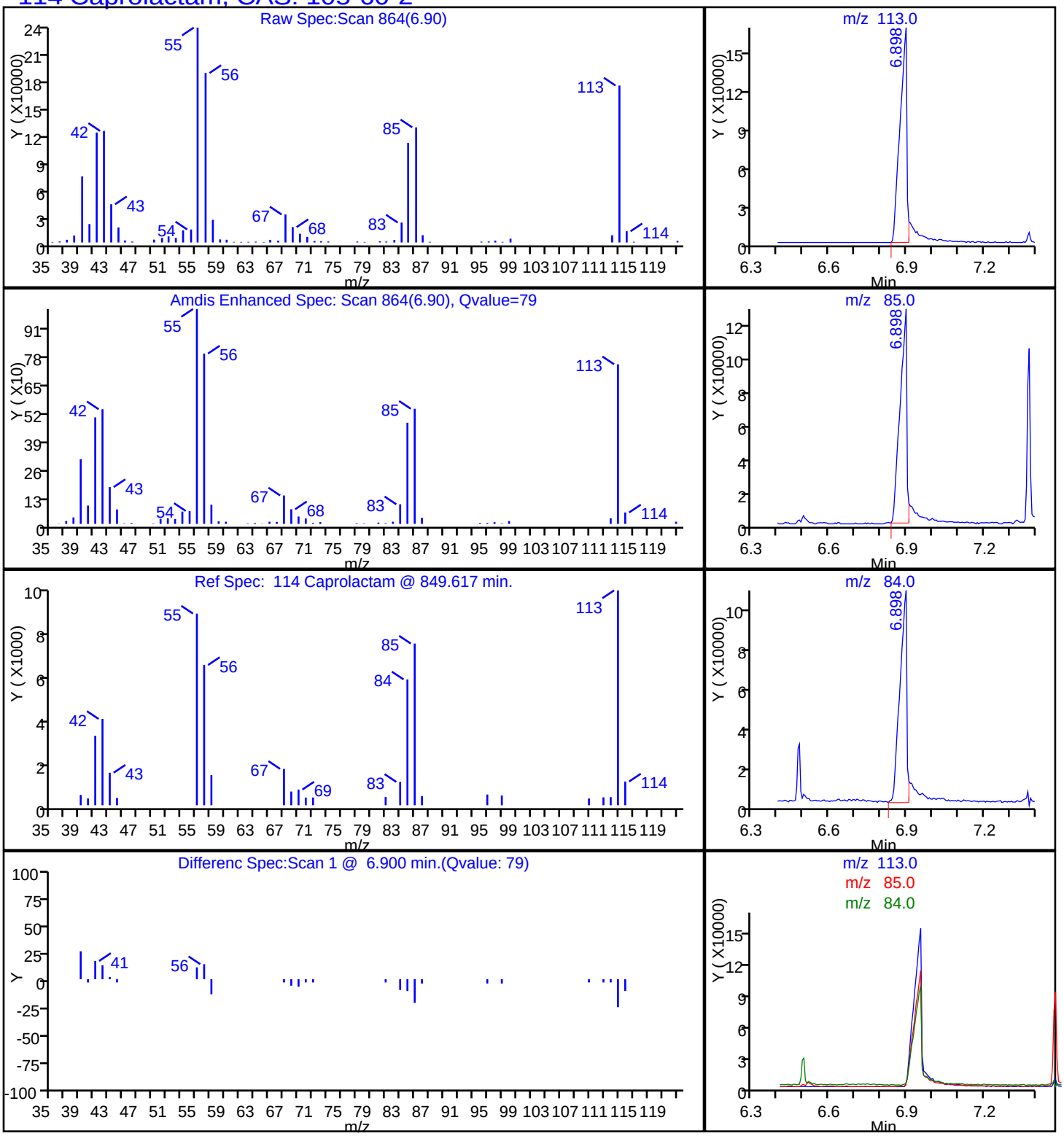
Report Date: 18-Mar-2014 09:47:58 Chrom Revision: 2.2 12-Mar-2014 11:19:24

TestAmerica Buffalo

Data File: \\Bufchrom\ChromData\HP5973W\20140317-30223.b\W05007.D

Injection Date:	18-Mar-2014 02:26:30	Instrument ID:	HP5973W		
Lims ID:	480-55880-D-3-A	Lab Sample ID:	480-55880-3		
Client ID:	MW-5				
Operator ID:	rar	ALS Bottle#:	30	Worklist Smp#:	29
Injection Vol:	5.0 ul	Dil. Factor:	1.0000		
Method:	W-LVI-8270	Limit Group:	MB - 8270D ICAL		
Column:	RXI-5Sil MS (0.25 mm)	Detector	MS SCAN		

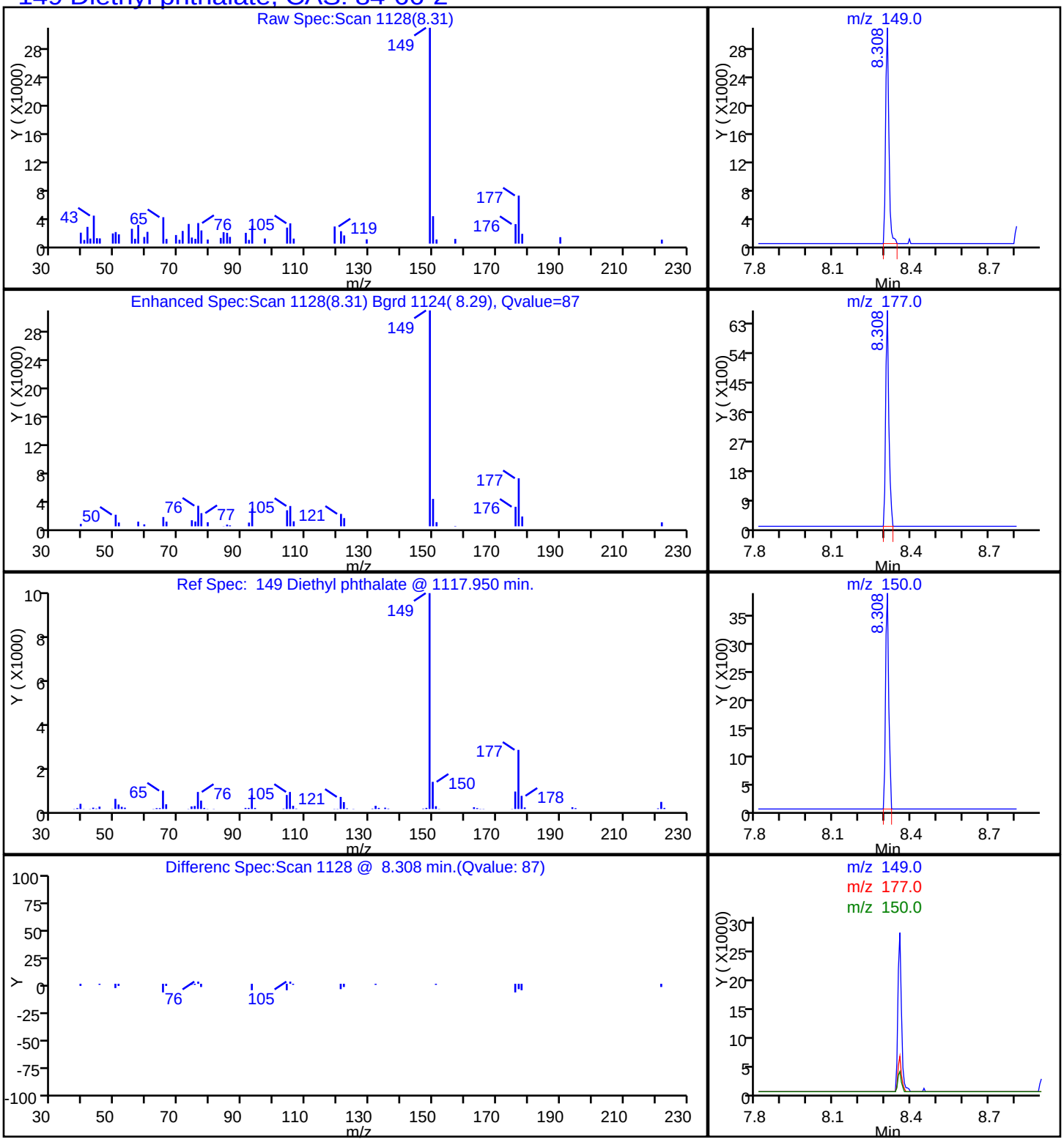
114 Caprolactam, CAS: 105-60-2



TestAmerica Buffalo

Data File:	\\Bufchrom\ChromData\HP5973W\20140317-30223.b\W05007.D				
Injection Date:	18-Mar-2014 02:26:30	Instrument ID:	HP5973W		
Lims ID:	480-55880-D-3-A	Lab Sample ID:	480-55880-3		
Client ID:	MW-5				
Operator ID:	rar	ALS Bottle#:	30	Worklist Smp#:	29
Injection Vol:	5.0 ul	Dil. Factor:	1.0000		
Method:	W-LVI-8270	Limit Group:	MB - 8270D ICAL		
Column:	RXI-5Sil MS (0.25 mm)	Detector	MS SCAN		

149 Diethyl phthalate, CAS: 84-66-2



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

Lab Name: TestAmerica Buffalo Job No.: 480-55783-1 Analy Batch No.: 167777

SDG No.:

Instrument ID: HP5973W GC Column: RXI-5Sil MS ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 02/27/2014 06:12 Calibration End Date: 02/27/2014 08:36 Calibration ID: 17553

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 480-167777/11	W04560.D
Level 2	IC 480-167777/12	W04561.D
Level 3	IC 480-167777/13	W04562.D
Level 4	IC 480-167777/14	W04563.D
Level 5	IC 480-167777/15	W04564.D
Level 6	IC 480-167777/16	W04565.D
Level 7	IC 480-167777/17	W04566.D

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3	LVL 4	LVL 5		B	M1	M2								
Benzaldehyde	1.1664 1.0446	1.3172 1.0240	1.1731	1.1127	1.0937	Ave		1.1331			0.0100	8.7		15.0			
Benzoic acid	0.0862 0.2400	0.1994 0.2557	0.1987	0.2105	0.2355	Lin1	-0.165	0.2449							0.9960		0.9900
Caprolactam	0.0810 0.0947	0.1131 0.0951	0.0945	0.0930	0.0955	Ave		0.0953			0.0100	9.9		15.0			
N-Nitrosodiphenylamine	0.4803 0.4744	0.5610 0.4548	0.4885	0.4829	0.4775	Ave		0.4885			0.0100	6.9		15.0			
Atrazine	0.2282 0.2976	0.3242 0.3046	0.2931	0.2951	0.2976	Ave		0.2915			0.0100	10.0		15.0			
Benzidine	 0.3165	0.1441 0.3201	0.2462	0.2877	0.3115	Lin1	-0.105	0.3232							0.9990		0.9900
3,3'-Dichlorobenzidine	0.2068 0.3034	0.3052 0.3225	0.2639	0.2910	0.2933	Ave		0.2837			0.0100	13.0		15.0			

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

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

Lab Name: TestAmerica Buffalo Job No.: 480-55783-1 Analy Batch No.: 167777

SDG No.:

Instrument ID: HP5973W GC Column: RXI-5Sil MS ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 02/27/2014 06:12 Calibration End Date: 02/27/2014 08:36 Calibration ID: 17553

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 480-167777/11	W04560.D
Level 2	IC 480-167777/12	W04561.D
Level 3	IC 480-167777/13	W04562.D
Level 4	IC 480-167777/14	W04563.D
Level 5	IC 480-167777/15	W04564.D
Level 6	IC 480-167777/16	W04565.D
Level 7	IC 480-167777/17	W04566.D

ANALYTE	IS REF	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
Benzaldehyde	DCB	Ave	23222 852014	142487 1236852	191606	455437	704881	0.250 10.0	0.500 15.0	2.00	5.00	8.00
Benzoic acid	NPT	Lin1	26189 3017936	295308 4805258	492762	1323842	2345942	1.00 40.0	2.00 60.0	8.00	20.0	32.0
Caprolactam	NPT	Ave	6149 297609	41872 446652	58607	146192	237753	0.250 10.0	0.500 15.0	2.00	5.00	8.00
N-Nitrosodiphenylamine	PHN	Ave	32113 1290582	195233 1835085	267172	660147	1034358	0.250 10.0	0.500 15.0	2.00	5.00	8.00
Atrazine	ANT	Ave	9246 492280	68350 723775	96201	244462	385248	0.250 10.0	0.500 15.0	2.00	5.00	8.00
Benzidine	CRY	Lin1	 836398	52959 1286904	127471	368850	650345	 10.0	0.500 15.0	2.00	5.00	8.00
3,3'-Dichlorobenzidine	CRY	Ave	12662 801847	112151 1296257	136640	373077	612200	0.250 10.0	0.500 15.0	2.00	5.00	8.00

Curve Type Legend:

Ave = Average ISTD
Lin1 = Linear 1/conc ISTD

TestAmerica Buffalo
Target Compound Quantitation Report

Data File: \\Bufchrom\ChromData\HP5973W\20140227-29803.b\W04560.D
Lims ID: IC AD1 .25 Lab Sample ID:
Client ID:
Sample Type: IC Calib Level: 1
Inject. Date: 27-Feb-2014 06:12:30 ALS Bottle#: 11 Worklist Smp#: 11
Injection Vol: 5.0 ul Dil. Factor: 1.0000
Sample Info: 480-0029803-011
Operator ID: rar Instrument ID: HP5973W
Sublist: chrom-W-LVI-8270*sub8

Method: \\Bufchrom\ChromData\HP5973W\20140227-29803.b\W-LVI-8270.m
Limit Group: MB - 8270D ICAL
Last Update: 27-Feb-2014 07:03:16 Calib Date: 27-Feb-2014 06:36:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\Bufchrom\ChromData\HP5973W\20140227-29803.b\W04561.D

Column 1 : RXI-5Sil MS (0.25 mm) Det: MS SCAN
Process Host: XAWRK024

First Level Reviewer: rimmera Date: 27-Feb-2014 07:03:16

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	On-Col Amt ng/uL	Flags
* 1 1,4-Dichlorobenzene-d4	152	5.461	5.466	-0.005	97	318558	4.00	
* 2 Naphthalene-d8	136	6.497	6.502	-0.005	100	1214835	4.00	
* 3 Acenaphthene-d10	164	7.939	7.945	-0.006	94	648190	4.00	
* 4 Phenanthrene-d10	188	9.157	9.163	-0.006	97	1069771	4.00	
* 5 Chrysene-d12	240	11.358	11.364	-0.006	80	979587	4.00	
* 6 Perylene-d12	264	12.892	12.897	-0.005	85	890649	4.00	
71 Benzaldehyde	77	5.103	4.974	0.129	90	23222	0.2501	
105 Benzoic acid	105	6.299	6.454	-0.155	80	26189	1.01	
114 Caprolactam	113	6.839	6.839	0.0	54	6149	0.2118	
157 N-Nitrosodiphenylamine	169	8.500	8.404	0.096	51	32113	0.2294	
170 Atrazine	200	8.949	8.874	0.075	52	9246	0.2063	
192 Benzidine	184		10.220					
204 3,3'-Dichlorobenzidine	252	11.332	11.257	0.075	1	12662	0.1935	

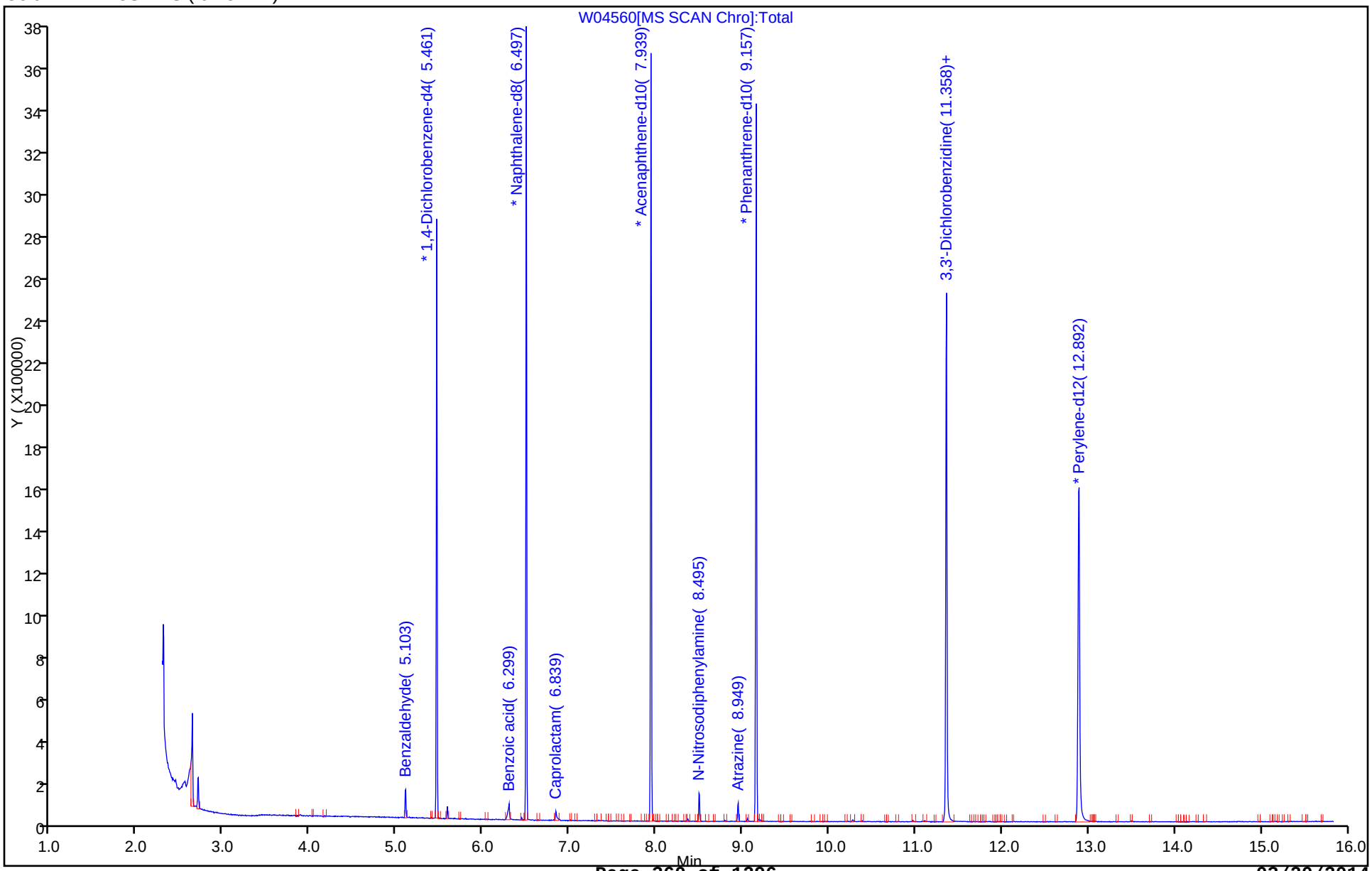
Report Date: 27-Feb-2014 07:03:17 Chrom Revision: 2.1 17-Feb-2014 09:05:58

TestAmerica Buffalo

Data File: \\Bufchrom\ChromData\HP5973W\20140227-29803.b\W04560.D

Injection Date:	27-Feb-2014 06:12:30	Instrument ID:	HP5973W	Operator ID:	rar
Lims ID:	IC AD1 .25	Lab Sample ID:		Worklist Smp#:	11
Client ID:					
Injection Vol:	5.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	11
Method:	W-LVI-8270	Limit Group:	MB - 8270D ICAL		

Column: RXI-5Sil MS (0.25 mm)



TestAmerica Buffalo
Target Compound Quantitation Report

Data File: \\Bufchrom\ChromData\HP5973W\20140227-29803.b\W04561.D
Lims ID: IC AD1 .5 Lab Sample ID:
Client ID:
Sample Type: IC Calib Level: 2
Inject. Date: 27-Feb-2014 06:36:30 ALS Bottle#: 12 Worklist Smp#: 12
Injection Vol: 5.0 ul Dil. Factor: 1.0000
Sample Info: 480-0029803-012
Operator ID: rar Instrument ID: HP5973W
Sublist: chrom-W-LVI-8270*sub8

Method: \\Bufchrom\ChromData\HP5973W\20140227-29803.b\W-LVI-8270.m
Limit Group: MB - 8270D ICAL
Last Update: 27-Feb-2014 07:09:32 Calib Date: 27-Feb-2014 06:36:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\Bufchrom\ChromData\HP5973W\20140227-29803.b\W04561.D

Column 1 : RXI-5Sil MS (0.25 mm) Det: MS SCAN
Process Host: XAWRK024

First Level Reviewer: rimmera Date: 27-Feb-2014 07:09:32

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	On-Col Amt ng/uL	Flags
* 1 1,4-Dichlorobenzene-d4	152	5.466	5.466	0.0	96	865395	4.00	
* 2 Naphthalene-d8	136	6.502	6.502	0.0	99	2961498	4.00	
* 3 Acenaphthene-d10	164	7.945	7.945	0.0	92	1686478	4.00	
* 4 Phenanthrene-d10	188	9.163	9.163	0.0	97	2783832	4.00	
* 5 Chrysene-d12	240	11.364	11.364	0.0	80	2939630	4.00	
* 6 Perylene-d12	264	12.902	12.897	0.005	82	2917801	4.00	
71 Benzaldehyde	77	5.103	4.974	0.129	93	142487	0.5649	
105 Benzoic acid	105	6.369	6.454	-0.085	85	295308	2.13	
114 Caprolactam	113	6.866	6.839	0.027	67	41872	0.5918	
157 N-Nitrosodiphenylamine	169	8.500	8.404	0.096	58	195233	0.5359	
170 Atrazine	200	8.949	8.874	0.075	88	68350	0.5861	
192 Benzidine	184	10.274	10.220	0.054	89	52959	0.5410	
204 3,3'-Dichlorobenzidine	252	11.337	11.257	0.080	71	112151	0.5712	

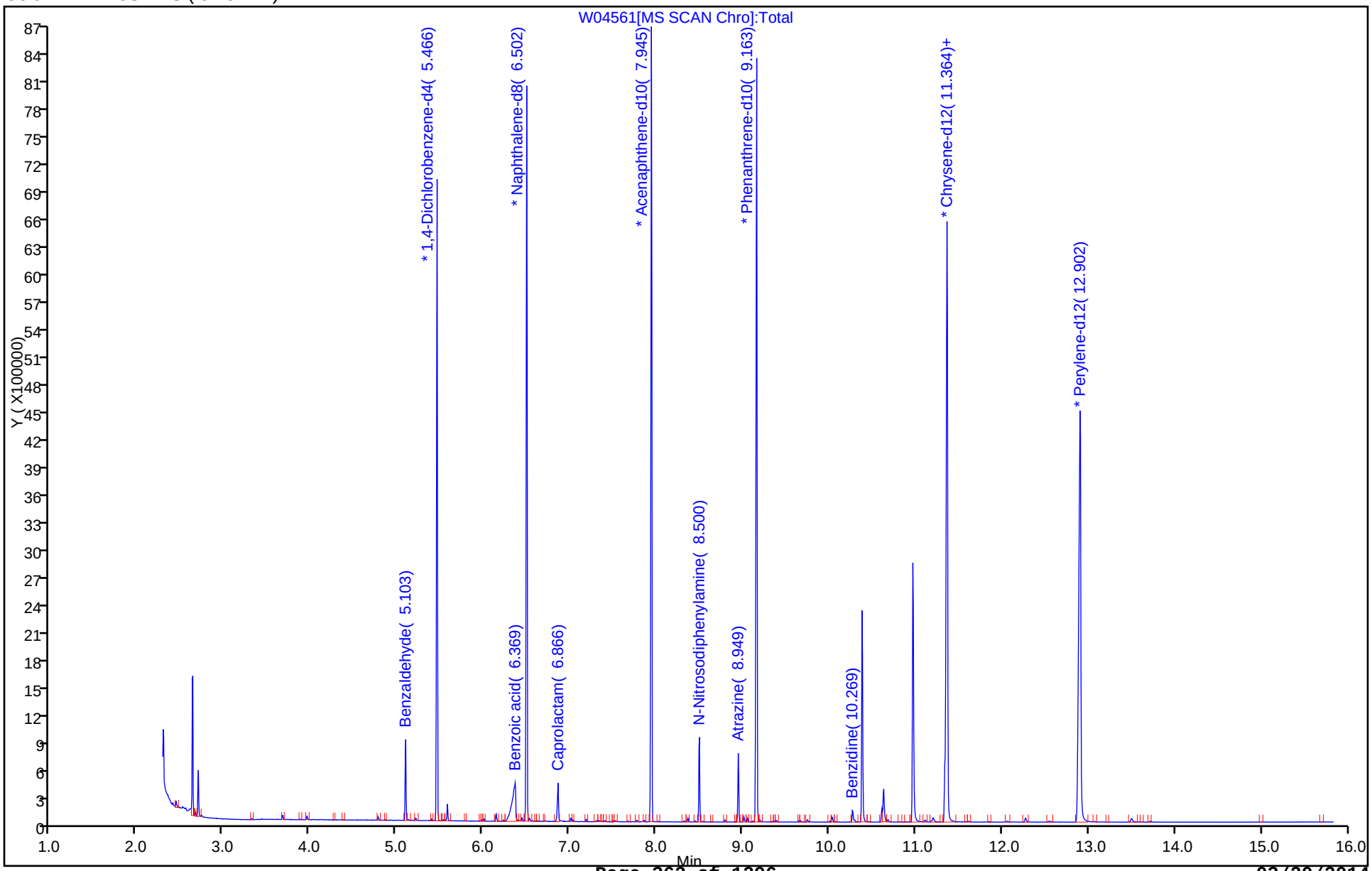
Report Date: 27-Feb-2014 07:09:33 Chrom Revision: 2.1 17-Feb-2014 09:05:58

TestAmerica Buffalo

Data File: \\Bufchrom\ChromData\HP5973W\20140227-29803.b\W04561.D

Injection Date:	27-Feb-2014 06:36:30	Instrument ID:	HP5973W	Operator ID:	rar
Lims ID:	IC AD1 .5	Lab Sample ID:		Worklist Smp#:	12
Client ID:					
Injection Vol:	5.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	12
Method:	W-LVI-8270	Limit Group:	MB - 8270D ICAL		

Column: RXI-5Sil MS (0.25 mm)



Report Date: 27-Feb-2014 11:11:12 Chrom Revision: 2.1 17-Feb-2014 09:05:58

TestAmerica Buffalo
Target Compound Quantitation Report

Data File: \\Bufchrom\ChromData\HP5973W\20140227-29803.b\W04562.D
Lims ID: IC AD1 2 Lab Sample ID:
Client ID:
Sample Type: IC Calib Level: 3
Inject. Date: 27-Feb-2014 07:00:30 ALS Bottle#: 13 Worklist Smp#: 13
Injection Vol: 5.0 ul Dil. Factor: 1.0000
Sample Info: 480-0029803-013
Operator ID: rar Instrument ID: HP5973W
Sublist: chrom-W-LVI-8270*sub8

Method: \\Bufchrom\ChromData\HP5973W\20140227-29803.b\W-LVI-8270.m
Limit Group: MB - 8270D ICAL
Last Update: 27-Feb-2014 11:11:11 Calib Date: 27-Feb-2014 08:36:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\Bufchrom\ChromData\HP5973W\20140227-29803.b\W04566.D

Column 1 : RXI-5Sil MS (0.25 mm) Det: MS SCAN
Process Host: XAWRK022

First Level Reviewer: mckernar Date: 27-Feb-2014 11:11:11

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	On-Col Amt ng/uL	Flags
* 1 1,4-Dichlorobenzene-d4	152	5.466	5.466	0.0	96	326672	4.00	
* 2 Naphthalene-d8	136	6.497	6.497	0.0	100	1239782	4.00	
* 3 Acenaphthene-d10	164	7.939	7.939	0.0	94	656379	4.00	
* 4 Phenanthrene-d10	188	9.157	9.157	0.0	97	1093821	4.00	
* 5 Chrysene-d12	240	11.358	11.358	0.0	81	1035593	4.00	
* 6 Perylene-d12	264	12.886	12.886	0.0	82	922179	4.00	
71 Benzaldehyde	77	5.103	5.103	0.0	93	191606	2.07	
105 Benzoic acid	105	6.395	6.395	0.0	87	492762	7.17	
114 Caprolactam	113	6.876	6.876	0.0	66	58607	1.98	
157 N-Nitrosodiphenylamine	169	8.500	8.500	0.0	59	267172	2.00	
170 Atrazine	200	8.949	8.949	0.0	88	96201	2.01	
192 Benzidine	184	10.274	10.274	0.0	96	127471	1.85	
204 3,3'-Dichlorobenzidine	252	11.337	11.337	0.0	65	136640	1.86	

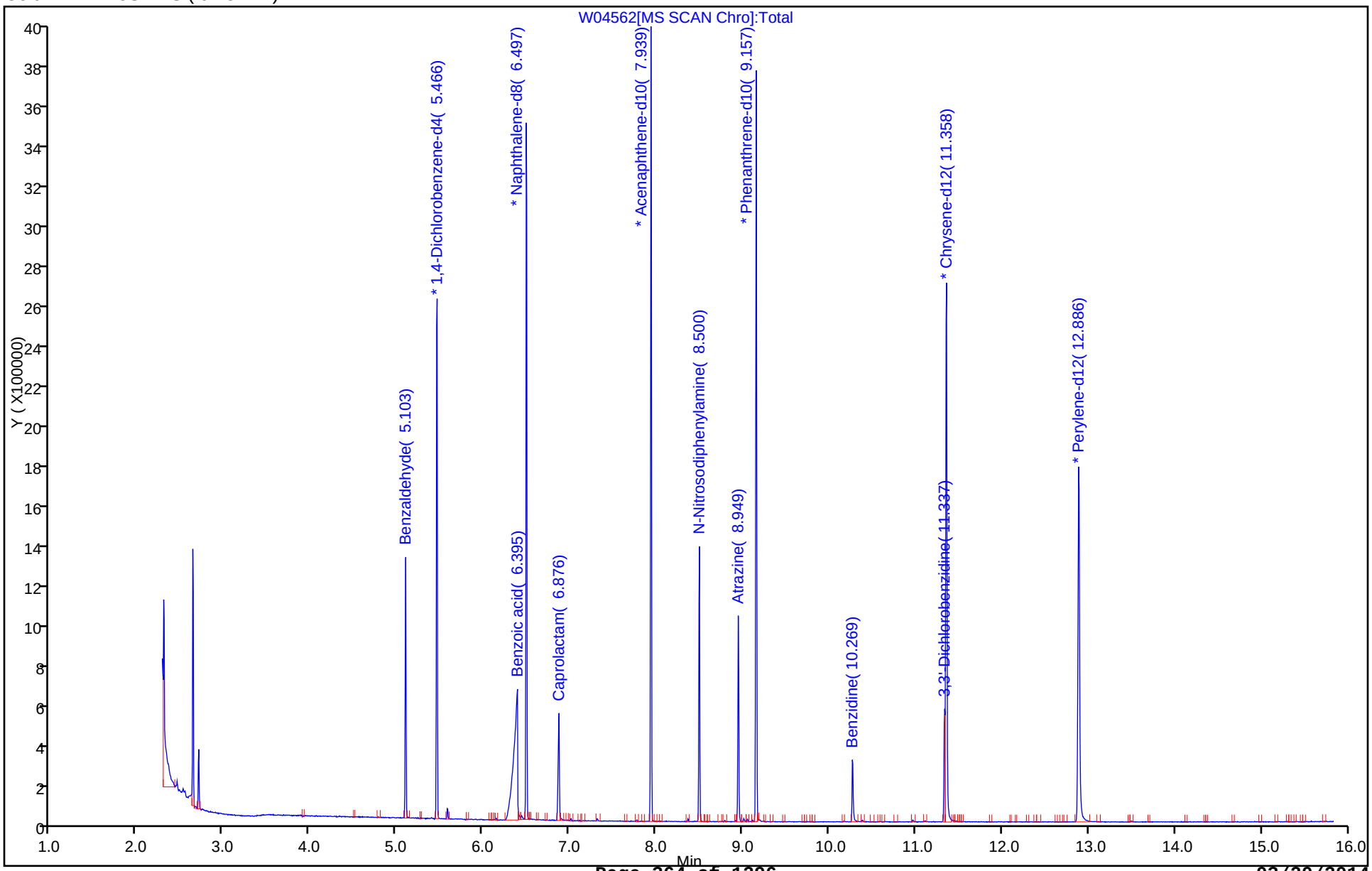
Report Date: 27-Feb-2014 11:11:12 Chrom Revision: 2.1 17-Feb-2014 09:05:58

TestAmerica Buffalo

Data File: \\Bufchrom\ChromData\HP5973W\20140227-29803.b\W04562.D

Injection Date:	27-Feb-2014 07:00:30	Instrument ID:	HP5973W	Operator ID:	rar
Lims ID:	IC AD1 2	Lab Sample ID:		Worklist Smp#:	13
Client ID:					
Injection Vol:	5.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	13
Method:	W-LVI-8270	Limit Group:	MB - 8270D ICAL		

Column: RXI-5Sil MS (0.25 mm)



TestAmerica Buffalo
Target Compound Quantitation Report

Data File: \\Bufchrom\ChromData\HP5973W\20140227-29803.b\W04563.D
Lims ID: IC AD1 5 Lab Sample ID:
Client ID:
Sample Type: IC Calib Level: 4
Inject. Date: 27-Feb-2014 07:24:30 ALS Bottle#: 14 Worklist Smp#: 14
Injection Vol: 5.0 ul Dil. Factor: 1.0000
Sample Info: 480-0029803-014
Operator ID: rar Instrument ID: HP5973W
Sublist: chrom-W-LVI-8270*sub8

Method: \\Bufchrom\ChromData\HP5973W\20140227-29803.b\W-LVI-8270.m
Limit Group: MB - 8270D ICAL
Last Update: 27-Feb-2014 11:11:20 Calib Date: 27-Feb-2014 08:36:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\Bufchrom\ChromData\HP5973W\20140227-29803.b\W04566.D

Column 1 : RXI-5Sil MS (0.25 mm) Det: MS SCAN
Process Host: XAWRK022

First Level Reviewer: mckernar Date: 27-Feb-2014 11:11:20

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	On-Col Amt ng/uL	Flags
* 1 1,4-Dichlorobenzene-d4	152	5.466	5.466	0.0	96	327452	4.00	
* 2 Naphthalene-d8	136	6.502	6.497	0.005	99	1257881	4.00	
* 3 Acenaphthene-d10	164	7.939	7.939	0.0	94	662636	4.00	
* 4 Phenanthrene-d10	188	9.157	9.157	0.0	97	1093630	4.00	
* 5 Chrysene-d12	240	11.358	11.358	0.0	80	1025748	4.00	
* 6 Perylene-d12	264	12.886	12.886	0.0	82	920012	4.00	
71 Benzaldehyde	77	5.102	5.103	-0.001	93	455437	4.91	
105 Benzoic acid	105	6.454	6.395	0.059	87	1323842	17.9	
114 Caprolactam	113	6.908	6.876	0.032	72	146192	4.88	
157 N-Nitrosodiphenylamine	169	8.500	8.500	0.0	60	660147	4.94	
170 Atrazine	200	8.954	8.949	0.005	90	244462	5.06	
192 Benzidine	184	10.274	10.274	0.0	98	368850	4.77	
204 3,3'-Dichlorobenzidine	252	11.337	11.337	0.0	70	373077	5.13	

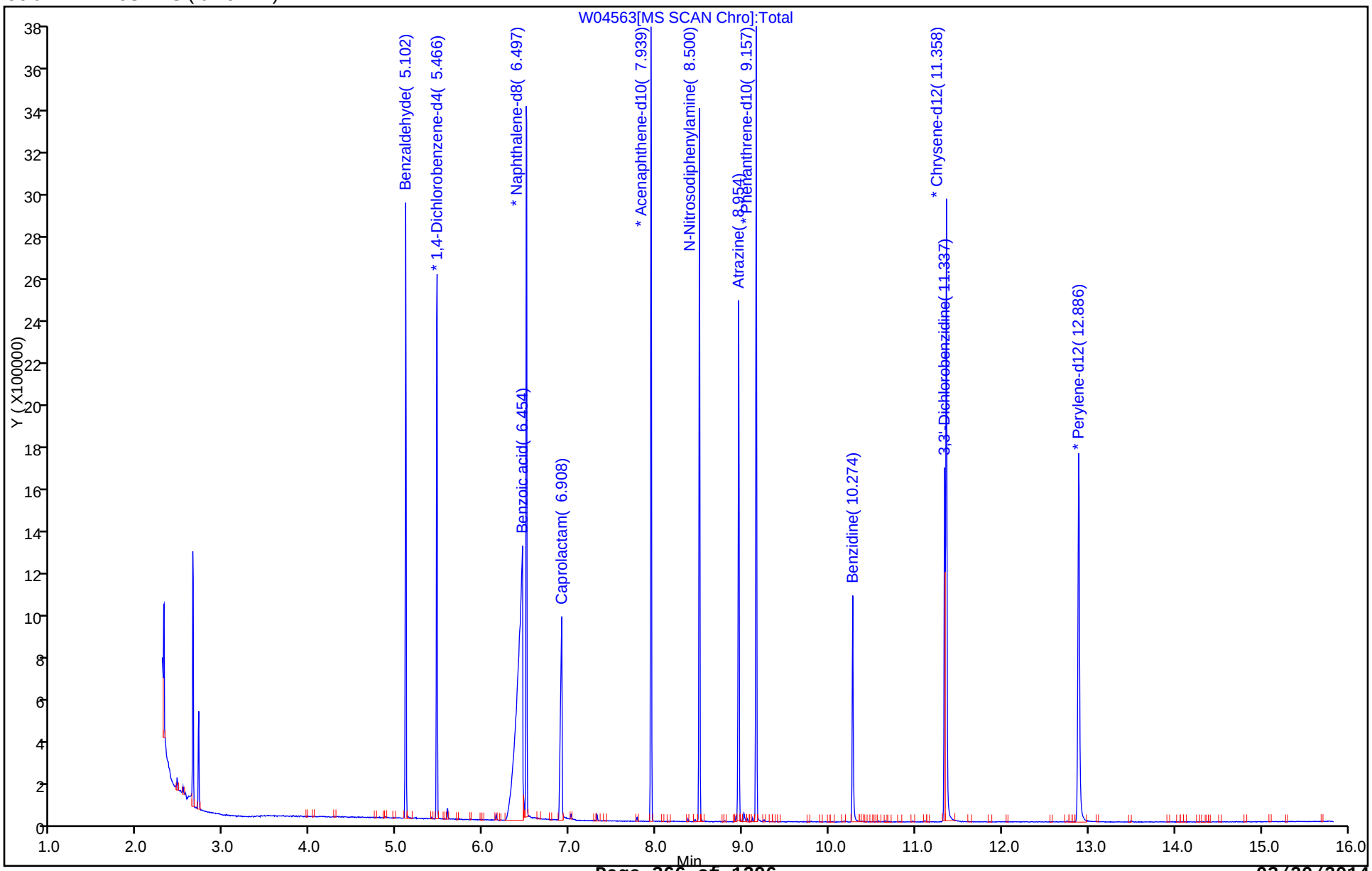
Report Date: 27-Feb-2014 11:11:20 Chrom Revision: 2.1 17-Feb-2014 09:05:58

TestAmerica Buffalo

Data File: \\Bufchrom\ChromData\HP5973W\20140227-29803.b\W04563.D

Injection Date:	27-Feb-2014 07:24:30	Instrument ID:	HP5973W	Operator ID:	rar
Lims ID:	IC AD1 5	Lab Sample ID:		Worklist Smp#:	14
Client ID:					
Injection Vol:	5.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	14
Method:	W-LVI-8270	Limit Group:	MB - 8270D ICAL		

Column: RXI-5Sil MS (0.25 mm)



TestAmerica Buffalo
Target Compound Quantitation Report

Data File: \\Bufchrom\ChromData\HP5973W\20140227-29803.b\W04564.D
Lims ID: IC AD1 8 Lab Sample ID:
Client ID:
Sample Type: IC Calib Level: 5
Inject. Date: 27-Feb-2014 07:48:30 ALS Bottle#: 15 Worklist Smp#: 15
Injection Vol: 5.0 ul Dil. Factor: 1.0000
Sample Info: 480-0029803-015
Operator ID: rar Instrument ID: HP5973W
Sublist: chrom-W-LVI-8270*sub8

Method: \\Bufchrom\ChromData\HP5973W\20140227-29803.b\W-LVI-8270.m
Limit Group: MB - 8270D ICAL
Last Update: 27-Feb-2014 11:11:27 Calib Date: 27-Feb-2014 08:36:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\Bufchrom\ChromData\HP5973W\20140227-29803.b\W04566.D

Column 1 : RXI-5Sil MS (0.25 mm) Det: MS SCAN
Process Host: XAWRK022

First Level Reviewer: mckernar Date: 27-Feb-2014 11:11:27

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	On-Col Amt ng/uL	Flags
* 1 1,4-Dichlorobenzene-d4	152	5.466	5.466	0.0	96	322248	4.00	
* 2 Naphthalene-d8	136	6.497	6.497	0.0	99	1245219	4.00	
* 3 Acenaphthene-d10	164	7.939	7.939	0.0	94	647173	4.00	
* 4 Phenanthrene-d10	188	9.157	9.157	0.0	97	1083021	4.00	
* 5 Chrysene-d12	240	11.358	11.358	0.0	80	1043774	4.00	
* 6 Perylene-d12	264	12.886	12.886	0.0	82	928115	4.00	
71 Benzaldehyde	77	5.108	5.103	0.005	94	704881	7.72	
105 Benzoic acid	105	6.497	6.395	0.102	80	2345942	31.4	
114 Caprolactam	113	6.930	6.876	0.054	75	237753	8.02	
157 N-Nitrosodiphenylamine	169	8.500	8.500	0.0	60	1034358	7.82	
170 Atrazine	200	8.960	8.949	0.011	90	385248	8.17	
192 Benzidine	184	10.274	10.274	0.0	99	650345	8.03	
204 3,3'-Dichlorobenzidine	252	11.342	11.337	0.005	70	612200	8.27	

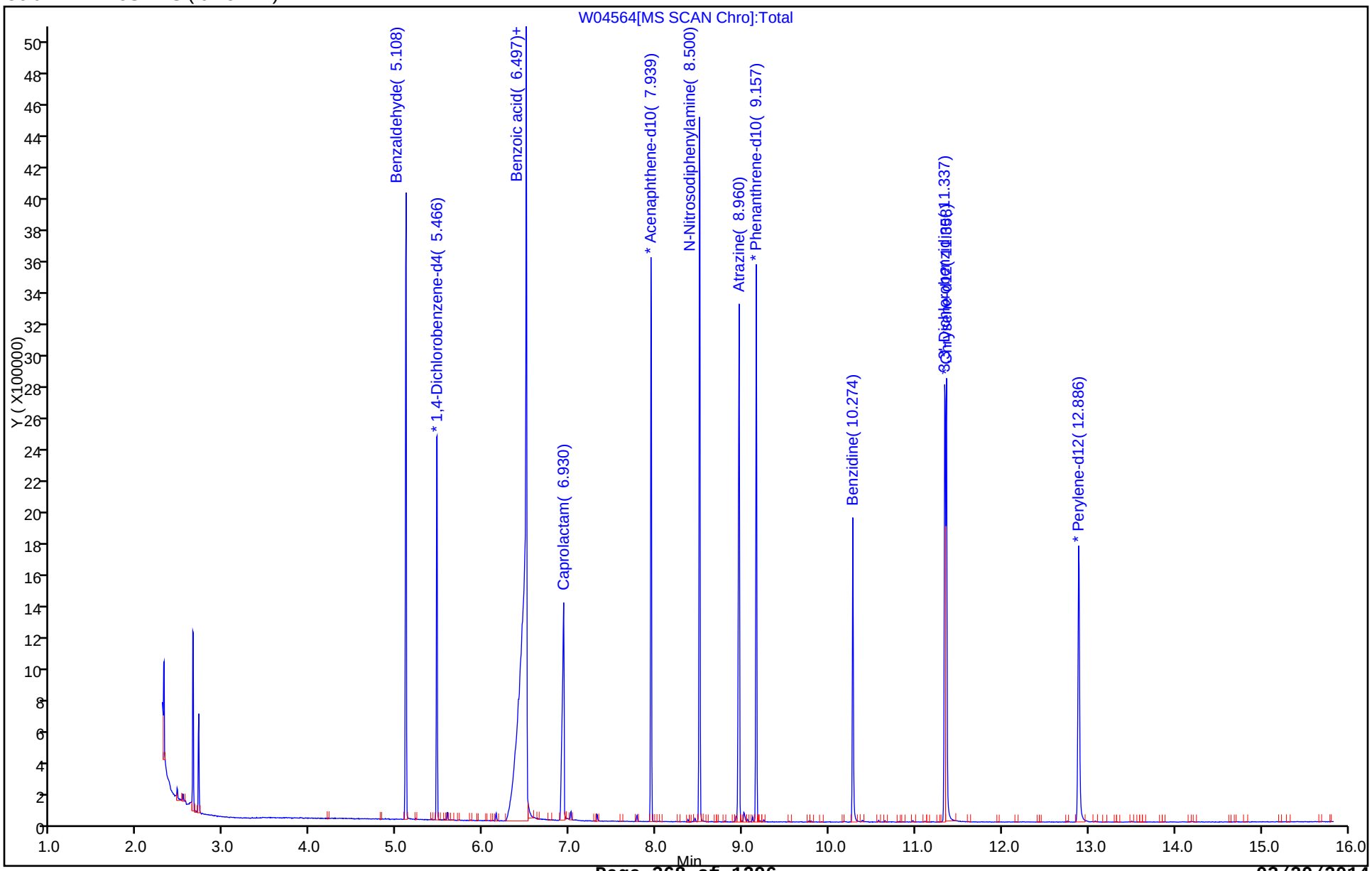
Report Date: 27-Feb-2014 11:11:28 Chrom Revision: 2.1 17-Feb-2014 09:05:58

TestAmerica Buffalo

Data File: \\Bufchrom\ChromData\HP5973W\20140227-29803.b\W04564.D

Injection Date:	27-Feb-2014 07:48:30	Instrument ID:	HP5973W	Operator ID:	rar
Lims ID:	IC AD1 8	Lab Sample ID:		Worklist Smp#:	15
Client ID:					
Injection Vol:	5.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	15
Method:	W-LVI-8270	Limit Group:	MB - 8270D ICAL		

Column: RXI-5Sil MS (0.25 mm)



TestAmerica Buffalo
Target Compound Quantitation Report

Data File: \\Bufchrom\ChromData\HP5973W\20140227-29803.b\W04565.D
Lims ID: IC AD1 10 Lab Sample ID:
Client ID:
Sample Type: IC Calib Level: 6
Inject. Date: 27-Feb-2014 08:12:30 ALS Bottle#: 16 Worklist Smp#: 16
Injection Vol: 5.0 ul Dil. Factor: 1.0000
Sample Info: 480-0029803-016
Operator ID: rar Instrument ID: HP5973W
Sublist: chrom-W-LVI-8270*sub8

Method: \\Bufchrom\ChromData\HP5973W\20140227-29803.b\W-LVI-8270.m
Limit Group: MB - 8270D ICAL
Last Update: 27-Feb-2014 11:11:34 Calib Date: 27-Feb-2014 08:36:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\Bufchrom\ChromData\HP5973W\20140227-29803.b\W04566.D

Column 1 : RXI-5Sil MS (0.25 mm) Det: MS SCAN
Process Host: XAWRK022

First Level Reviewer: mckernar Date: 27-Feb-2014 11:11:34

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	On-Col Amt ng/uL	Flags
* 1 1,4-Dichlorobenzene-d4	152	5.466	5.466	0.0	95	326242	4.00	
* 2 Naphthalene-d8	136	6.497	6.497	0.0	99	1257307	4.00	
* 3 Acenaphthene-d10	164	7.939	7.939	0.0	91	661563	4.00	
* 4 Phenanthrene-d10	188	9.157	9.157	0.0	98	1088289	4.00	
* 5 Chrysene-d12	240	11.358	11.358	0.0	80	1057141	4.00	
* 6 Perylene-d12	264	12.892	12.886	0.006	83	927394	4.00	
71 Benzaldehyde	77	5.108	5.103	0.005	93	852014	9.22	
105 Benzoic acid	105	6.518	6.395	0.123	87	3017936	39.9	
114 Caprolactam	113	6.946	6.876	0.070	76	297609	9.94	
157 N-Nitrosodiphenylamine	169	8.506	8.500	0.006	59	1290582	9.71	
170 Atrazine	200	8.965	8.949	0.016	95	492280	10.2	
192 Benzidine	184	10.279	10.274	0.005	99	836398	10.1	
204 3,3'-Dichlorobenzidine	252	11.342	11.337	0.005	66	801847	10.7	

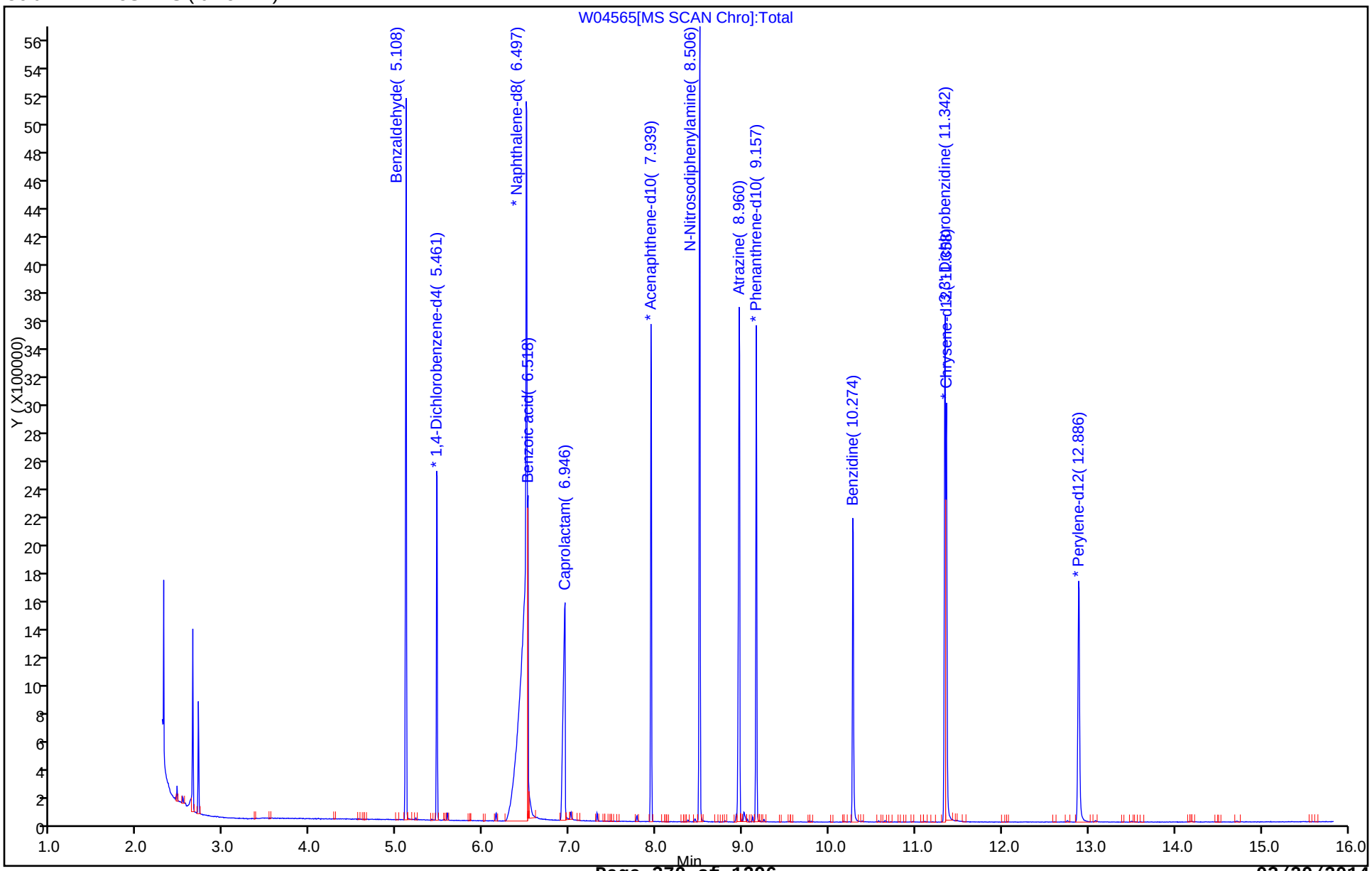
Report Date: 27-Feb-2014 11:11:35 Chrom Revision: 2.1 17-Feb-2014 09:05:58

TestAmerica Buffalo

Data File: \\Bufchrom\ChromData\HP5973W\20140227-29803.b\W04565.D

Injection Date:	27-Feb-2014 08:12:30	Instrument ID:	HP5973W	Operator ID:	rar
Lims ID:	IC AD1 10	Lab Sample ID:		Worklist Smp#:	16
Client ID:					
Injection Vol:	5.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	16
Method:	W-LVI-8270	Limit Group:	MB - 8270D ICAL		

Column: RXI-5Sil MS (0.25 mm)



TestAmerica Buffalo
Target Compound Quantitation Report

Data File: \\Bufchrom\ChromData\HP5973W\20140227-29803.b\W04566.D
Lims ID: IC AD1 15 Lab Sample ID:
Client ID:
Sample Type: IC Calib Level: 7
Inject. Date: 27-Feb-2014 08:36:30 ALS Bottle#: 17 Worklist Smp#: 17
Injection Vol: 5.0 ul Dil. Factor: 1.0000
Sample Info: 480-0029803-017
Operator ID: rar Instrument ID: HP5973W
Sublist: chrom-W-LVI-8270*sub8

Method: \\Bufchrom\ChromData\HP5973W\20140227-29803.b\W-LVI-8270.m
Limit Group: MB - 8270D ICAL
Last Update: 27-Feb-2014 11:11:41 Calib Date: 27-Feb-2014 08:36:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\Bufchrom\ChromData\HP5973W\20140227-29803.b\W04566.D

Column 1 : RXI-5Sil MS (0.25 mm) Det: MS SCAN
Process Host: XAWRK022

First Level Reviewer: mckernar Date: 27-Feb-2014 11:11:41

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	On-Col Amt ng/uL	Flags
* 1 1,4-Dichlorobenzene-d4	152	5.466	5.466	0.0	96	322089	4.00	
* 2 Naphthalene-d8	136	6.497	6.497	0.0	99	1252975	4.00	
* 3 Acenaphthene-d10	164	7.939	7.939	0.0	93	633549	4.00	
* 4 Phenanthrene-d10	188	9.157	9.157	0.0	98	1076073	4.00	
* 5 Chrysene-d12	240	11.358	11.358	0.0	81	1071959	4.00	
* 6 Perylene-d12	264	12.886	12.886	0.0	82	914857	4.00	
71 Benzaldehyde	77	5.113	5.103	0.010	93	1236852	13.6	
105 Benzoic acid	105	6.561	6.395	0.166	85	4805258	63.3	
114 Caprolactam	113	6.967	6.876	0.091	73	446652	15.0	
157 N-Nitrosodiphenylamine	169	8.506	8.500	0.006	62	1835085	14.0	
170 Atrazine	200	8.970	8.949	0.021	94	723775	15.7	
192 Benzidine	184	10.279	10.274	0.005	99	1286904	15.2	
204 3,3'-Dichlorobenzidine	252	11.342	11.337	0.005	65	1296257	17.0	

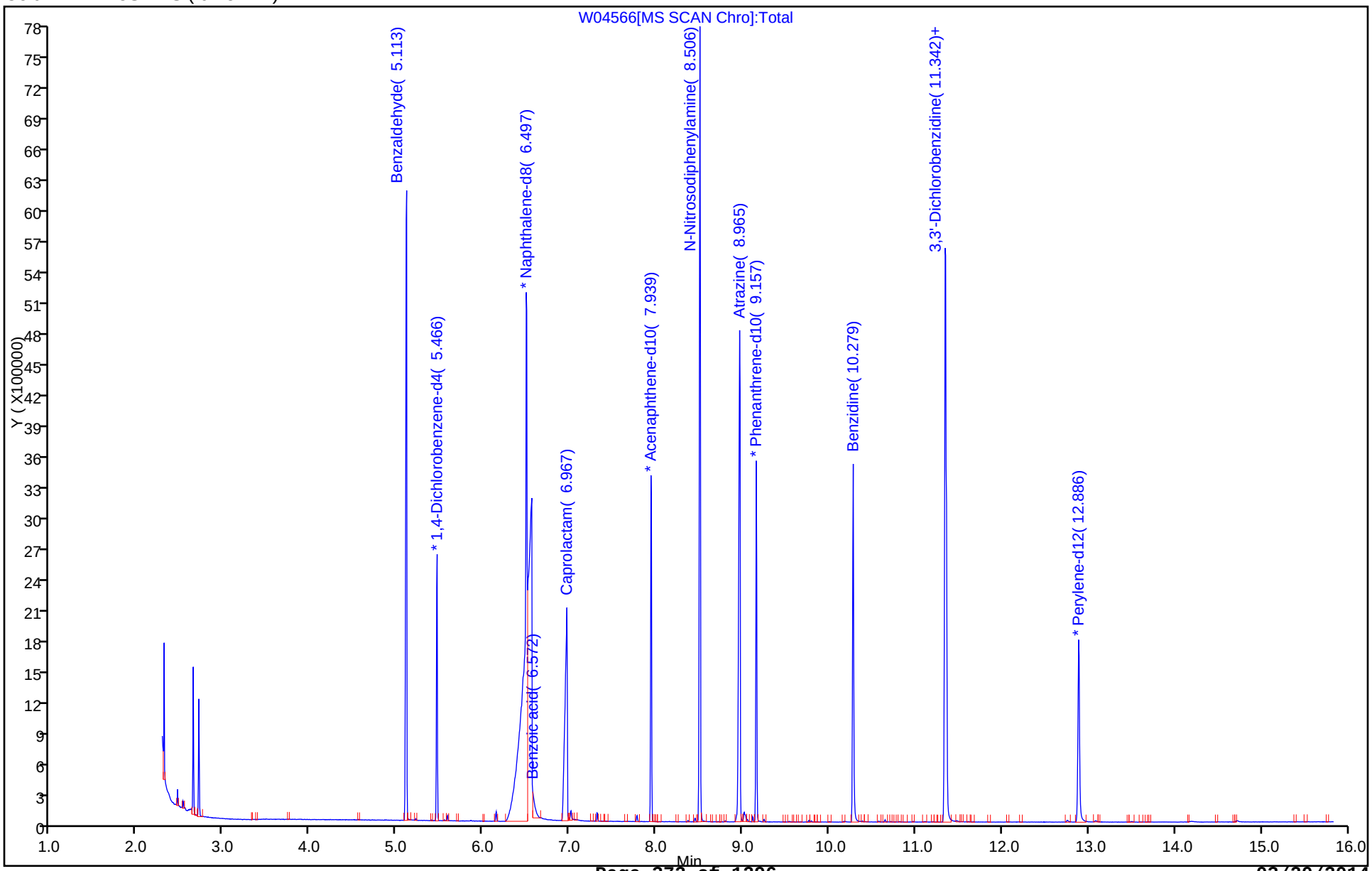
Report Date: 27-Feb-2014 11:11:42 Chrom Revision: 2.1 17-Feb-2014 09:05:58

TestAmerica Buffalo

Data File: \\Bufchrom\ChromData\HP5973W\20140227-29803.b\W04566.D

Injection Date:	27-Feb-2014 08:36:30	Instrument ID:	HP5973W	Operator ID:	rar
Lims ID:	IC AD1 15	Lab Sample ID:		Worklist Smp#:	17
Client ID:					
Injection Vol:	5.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	17
Method:	W-LVI-8270	Limit Group:	MB - 8270D ICAL		

Column: RXI-5Sil MS (0.25 mm)



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

Lab Name: TestAmerica Buffalo Job No.: 480-55783-1 Analy Batch No.: 168862

SDG No.:

Instrument ID: HP5973W GC Column: RXI-5Sil MS ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 03/06/2014 13:08 Calibration End Date: 03/06/2014 15:33 Calibration ID: 17711

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 480-168862/3	W04760.D
Level 2	IC 480-168862/4	W04761.D
Level 3	IC 480-168862/5	W04762.D
Level 4	ICIS 480-168862/6	W04763.D
Level 5	IC 480-168862/7	W04764.D
Level 6	IC 480-168862/8	W04765.D
Level 7	IC 480-168862/9	W04766.D

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3	LVL 4	LVL 5		B	M1	M2								
1,4-Dioxane	0.6275 0.4950	0.6377 0.4760	0.5491	0.5304	0.5025	Ave		0.5454				12.0		15.0			
N-Nitrosodimethylamine	0.3044 0.4981	0.4020 0.4750	0.4884	0.5073	0.4982	Lin1	-0.042	0.4951							0.9990		0.9900
Pyridine	0.5793 0.8258	0.7829 0.7964	0.8761	0.8663	0.8436	Ave		0.7958				13.0		15.0			
Aniline	1.9149 1.8616	2.0657 1.7447	2.0701	1.9752	1.8503	Ave		1.9261				6.2		15.0			
Phenol	1.5455 1.4611	1.6751 1.3536	1.7640	1.6729	1.5583	Ave		1.5758			0.8000	8.9		15.0			
Bis(2-chloroethyl)ether	1.3483 1.2145	1.3836 1.1088	1.3523	1.3056	1.2307	Ave		1.2777			0.7000	7.6		15.0			
2-Chlorophenol	1.2379 1.2927	1.3346 1.2017	1.3982	1.3405	1.2889	Ave		1.2992			0.8000	5.1		15.0			
1,3-Dichlorobenzene	1.4654 1.3627	1.5208 1.2720	1.4967	1.4346	1.3639	Ave		1.4166				6.2		15.0			
1,4-Dichlorobenzene	1.5117 1.3601	1.6035 1.2731	1.5292	1.4315	1.3961	Ave		1.4436				7.8		15.0			
1,2-Dichlorobenzene	1.4434 1.3028	1.4958 1.1916	1.4499	1.3721	1.2979	Ave		1.3648				7.9		15.0			
Benzyl alcohol	0.4697 0.7581	0.6363 0.7599	0.8014	0.8359	0.7531	Lin1	-0.060	0.7765							0.9980		0.9900
bis (2-chloroisopropyl) ether	1.6883 1.4931	1.6958 1.4053	1.6690	1.6032	1.5075	Ave		1.5803			0.0100	7.2		15.0			
2-Methylphenol	1.0752 1.1698	1.1618 1.1179	1.2028	1.1784	1.1290	Ave		1.1478			0.7000	3.8		15.0			
Acetophenone	1.6713 1.6451	1.7436 1.5662	1.7767	1.7226	1.6333	Ave		1.6798			0.0100	4.3		15.0			

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

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

Lab Name: TestAmerica Buffalo Job No.: 480-55783-1 Analy Batch No.: 168862

SDG No.:

Instrument ID: HP5973W GC Column: RXI-5Sil MS ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 03/06/2014 13:08 Calibration End Date: 03/06/2014 15:33 Calibration ID: 17711

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3	LVL 4	LVL 5		B	M1	M2								
N-Nitrosodi-n-propylamine	0.7974 0.8681	0.8945 0.8268	0.9206	0.9109	0.8597	Ave		0.8683			0.5000	5.2		15.0			
4-Methylphenol	0.9301 1.1697	1.1972 0.9756	1.2696	1.2165	1.1770	Ave		1.1337			0.6000	11.0		15.0			
Hexachloroethane	0.6454 0.5530	0.6465 0.4436	0.6361	0.6069	0.5633	Ave		0.5850			0.3000	12.0		15.0			
Nitrobenzene	0.3654 0.3465	0.3825 0.3285	0.3920	0.3755	0.3573	Ave		0.3640			0.2000	6.0		15.0			
Isophorone	0.4712 0.5692	0.5785 0.5650	0.6357	0.6011	0.5744	Ave		0.5707			0.4000	8.8		15.0			
2-Nitrophenol	0.1768 0.1876	0.1870 0.1818	0.1964	0.1947	0.1905	Ave		0.1878			0.1000	3.7		15.0			
2,4-Dimethylphenol	0.2625 0.3136	0.3155 0.3029	0.3520	0.3283	0.3202	Ave		0.3136			0.2000	8.7		15.0			
Bis(2-chloroethoxy)methane	0.3871 0.3780	0.4237 0.3473	0.4246	0.4020	0.3909	Ave		0.3934			0.3000	6.9		15.0			
2,4-Dichlorophenol	0.1829 0.2660	0.2245 0.2501	0.2862	0.2766	0.2666	Ave		0.2504			0.2000	14.0		15.0			
1,2,4-Trichlorobenzene	0.3370 0.3114	0.3496 0.2832	0.3490	0.3302	0.3136	Ave		0.3249				7.3		15.0			
Naphthalene	1.0899 0.8763	1.1001 0.7743	1.0767	0.9818	0.9032	Ave		0.9717			0.7000	13.0		15.0			
4-Chloroaniline	0.3543 0.3984	0.4125 0.3749	0.4447	0.4225	0.4138	Ave		0.4030			0.0100	7.5		15.0			
Hexachlorobutadiene	0.2131 0.1968	0.2219 0.1832	0.2213	0.2068	0.2006	Ave		0.2062			0.0100	6.8		15.0			
4-Chloro-3-methylphenol	0.2261 0.2711	0.2228 0.2606	0.2906	0.2822	0.2768	Ave		0.2615			0.2000	10.0		15.0			
2-Methylnaphthalene	0.6458 0.5803	0.6917 0.5259	0.6866	0.6357	0.5957	Ave		0.6231			0.4000	9.6		15.0			
Hexachlorocyclopentadiene	0.2072 0.3928	0.3021 0.3816	0.3707	0.4116	0.4047	Lin1	-0.045	0.3977			0.0500				0.9990		0.9900
1,2,4,5-Tetrachlorobenzene	0.5371 0.5679	0.6220 0.4918	0.6441	0.6426	0.5979	Ave		0.5862			0.0100	9.8		15.0			
2,4,6-Trichlorophenol	0.2762 0.3808	0.2992 0.3674	0.3651	0.3859	0.3878	Ave		0.3518			0.2000	13.0		15.0			
2,4,5-Trichlorophenol	0.2420 0.4254	0.2809 0.4091	0.4343	0.4206	0.4347	Lin1	-0.048	0.4265			0.2000				0.9990		0.9900
Biphenyl	1.2263 1.2191	1.4129 1.0054	1.4740	1.4387	1.3292	Ave		1.3008			0.0100	13.0		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.: 480-55783-1 Analy Batch No.: 168862

SDG No.:

Instrument ID: HP5973W GC Column: RXI-5Sil MS ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 03/06/2014 13:08 Calibration End Date: 03/06/2014 15:33 Calibration ID: 17711

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3	LVL 4	LVL 5		B	M1	M2								
2-Chloronaphthalene	0.9440 1.0330	1.2297 0.8672	1.1578	1.1523	1.0868	Ave		1.0673			0.8000	12.0		15.0			
2-Nitroaniline	0.2381 0.3404	0.3026 0.3308	0.3379	0.3498	0.3387	Ave		0.3198			0.0100	12.0		15.0			
Dimethyl phthalate	1.0296 1.1793	1.2490 1.1464	1.2300	1.2348	1.2062	Ave		1.1822			0.0100	6.4		15.0			
1,3-Dinitrobenzene	0.0848 0.1182	0.0961 0.1154	0.1230	0.1208	0.1183	Ave		0.1110				13.0		15.0			
2,6-Dinitrotoluene	0.2334 0.2902	0.2666 0.2777	0.2918	0.2953	0.2958	Ave		0.2787				8.1		15.0			
Acenaphthylene	1.7540 1.6734	1.8679 1.5403	1.8468	1.8237	1.7310	Ave		1.7482			0.9000	6.6		15.0			
3-Nitroaniline	0.2370 0.3231	0.2643 0.3162	0.3156	0.3316	0.3270	Ave		0.3021			0.0100	12.0		15.0			
Acenaphthene	1.1143 1.0751	1.2442 0.9622	1.1943	1.1748	1.1100	Ave		1.1250			0.9000	8.2		15.0			
2,4-Dinitrophenol	+++++ 0.2057	0.0628 0.2105	0.1509	0.1878	0.1988	Lin1	-0.171	0.2121			0.0100				0.9990		0.9900
Dibenzofuran	1.6116 1.4869	1.7496 1.3664	1.7066	1.6313	1.5306	Ave		1.5833			0.8000	8.4		15.0			
2,4-Dinitrotoluene	0.2677 0.3762	0.3588 0.3619	0.3785	0.3868	0.3831	Ave		0.3590			0.2000	12.0		15.0			
4-Nitrophenol	+++++ 0.1546	0.1055 0.1571	0.1282	0.1479	0.1515	Ave		0.1408			0.0100	14.0		15.0			
2,3,4,6-Tetrachlorophenol	0.1967 0.3533	0.2955 0.3386	0.3295	0.3569	0.3511	Lin1	-0.033	0.3508			0.0100				0.9990		0.9900
Diethyl phthalate	1.1177 1.1092	1.2735 0.9883	1.2449	1.2300	1.1546	Ave		1.1597			0.0100	8.5		15.0			
Fluorene	1.2747 1.1251	1.4274 0.9762	1.3417	1.2976	1.2078	Ave		1.2358			0.9000	12.0		15.0			
4-Chlorophenyl phenyl ether	0.6551 0.5781	0.7242 0.4594	0.6873	0.6722	0.6211	Ave		0.6282			0.4000	14.0		15.0			
4-Nitroaniline	0.2062 0.2558	0.2095 0.2096	0.2885	0.2757	0.2573	Ave		0.2432			0.0100	14.0		15.0			
4,6-Dinitro-2-methylphenol	0.0485 0.1442	0.0909 0.1465	0.1326	0.1452	0.1465	Lin1	-0.053	0.1483			0.0100				1.0000		0.9900
1,2-Diphenylhydrazine	1.2387 1.1568	1.3579 1.0709	1.3475	1.3070	1.2150	Ave		1.2420				8.4		15.0			
trans-Azobenzene	0.7041 0.6775	0.7793 0.6353	0.8006	0.7572	0.7066	Ave		0.7230				8.1		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.: 480-55783-1 Analy Batch No.: 168862

SDG No.:

Instrument ID: HP5973W GC Column: RXI-5Sil MS ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 03/06/2014 13:08 Calibration End Date: 03/06/2014 15:33 Calibration ID: 17711

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3	LVL 4	LVL 5		B	M1	M2								
4-Bromophenyl phenyl ether	0.2133 0.2218	0.2324 0.2138	0.2376	0.2317	0.2239	Ave		0.2249			0.1000	4.2		15.0			
Hexachlorobenzene	0.2494 0.2467	0.2559 0.2376	0.2672	0.2599	0.2524	Ave		0.2527			0.1000	3.8		15.0			
Pentachlorophenol	0.0564 0.1404	0.0724 0.1402	0.1217	0.1434	0.1443	Lin1	-0.072	0.1451			0.0500				0.9990		0.9900
Phenanthrene	1.0223 0.9574	1.0866 0.9051	1.0596	1.0238	0.9705	Ave		1.0036			0.7000	6.3		15.0			
Anthracene	1.0833 0.9732	1.1606 0.9264	1.0937	1.0494	1.0071	Ave		1.0420			0.7000	7.6		15.0			
Carbazole	0.8907 0.8769	0.9652 0.8056	0.9711	0.9353	0.9080	Ave		0.9075			0.0100	6.3		15.0			
Di-n-butyl phthalate	1.0406 1.0222	1.1058 0.9501	1.1768	1.1235	1.0621	Ave		1.0687			0.0100	7.0		15.0			
Fluoranthene	1.0692 1.0357	1.1620 0.9662	1.1775	1.1209	1.0617	Ave		1.0847			0.6000	6.8		15.0			
Pyrene	1.0538 1.0312	1.1211 0.9422	1.1137	1.1131	1.0439	Ave		1.0599			0.6000	6.0		15.0			
Butyl benzyl phthalate	0.4074 0.4568	0.4252 0.4298	0.4532	0.4748	0.4590	Ave		0.4438			0.0100	5.3		15.0			
Benzo[a]anthracene	0.9971 1.0587	0.9847 0.9878	1.0183	1.0680	1.0219	Ave		1.0195			0.8000	3.3		15.0			
Chrysene	1.0375 0.9842	1.1637 0.9196	1.0684	1.0593	1.0227	Ave		1.0365			0.7000	7.3		15.0			
Bis(2-ethylhexyl) phthalate	0.6164 0.6762	0.6260 0.6240	0.6709	0.6945	0.6874	Ave		0.6565			0.0100	5.1		15.0			
Di-n-octyl phthalate	+++++ 1.1554	0.9582 1.0980	1.1207	1.1752	1.1562	Lin1	-0.062	1.1418			0.0100				0.9990		0.9900
Benzo[b]fluoranthene	0.8300 1.1481	0.8383 1.1348	1.0508	1.0556	1.1170	Ave		1.0249			0.7000	13.0		15.0			
Benzo[k]fluoranthene	0.9646 1.0302	1.2715 0.9577	1.1738	1.1780	1.0962	Ave		1.0960			0.7000	11.0		15.0			
Benzo[a]pyrene	0.8513 1.0328	0.9947 0.9990	1.0351	1.0629	1.0506	Ave		1.0038			0.7000	7.1		15.0			
Indeno[1,2,3-cd]pyrene	0.8339 1.0803	0.8753 1.1326	0.8577	0.9724	1.0586	Ave		0.9730			0.5000	12.0		15.0			
Dibenz(a,h)anthracene	0.8742 1.0626	0.8659 1.0339	1.0229	1.0780	1.0732	Ave		1.0015				9.2		15.0			
Benzo[g,h,i]perylene	0.9957 1.0216	0.7971 1.0087	0.9892	1.0522	1.0416	Ave		0.9866			0.5000	8.8		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.: 480-55783-1 Analy Batch No.: 168862

SDG No.:

Instrument ID: HP5973W GC Column: RXI-5Sil MS ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 03/06/2014 13:08 Calibration End Date: 03/06/2014 15:33 Calibration ID: 17711

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3	LVL 4	LVL 5		B	M1	M2								
2-Fluorophenol (Surr)	1.1919 1.1808	1.2701 1.1189	1.2975	1.2586	1.1818	Ave		1.2142				5.2		15.0			
Phenol-d5 (Surr)	1.4019 1.5407	1.5884 1.4526	1.6773	1.6178	1.5395	Ave		1.5455				6.1		15.0			
Nitrobenzene-d5 (Surr)	0.3671 0.3667	0.3787 0.3556	0.3933	0.3761	0.3671	Ave		0.3721				3.2		15.0			
2-Fluorobiphenyl	1.1021 1.2344	1.3001 1.0970	1.3616	1.3307	1.2910	Ave		1.2453				8.6		15.0			
2,4,6-Tribromophenol (Surr)	0.0853 0.1323	0.1085 0.1313	0.1290	0.1352	0.1358	Ave		0.1225				15.0		15.0			
p-Terphenyl-d14 (Surr)	0.7071 0.7615	0.7439 0.7004	0.7840	0.7895	0.7691	Ave		0.7508				4.7		15.0			

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

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

Lab Name: TestAmerica Buffalo Job No.: 480-55783-1 Analy Batch No.: 168862

SDG No.:

Instrument ID: HP5973W GC Column: RXI-5Sil MS ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 03/06/2014 13:08 Calibration End Date: 03/06/2014 15:33 Calibration ID: 17711

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 480-168862/3	W04760.D
Level 2	IC 480-168862/4	W04761.D
Level 3	IC 480-168862/5	W04762.D
Level 4	ICIS 480-168862/6	W04763.D
Level 5	IC 480-168862/7	W04764.D
Level 6	IC 480-168862/8	W04765.D
Level 7	IC 480-168862/9	W04766.D

ANALYTE	IS REF	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
1,4-Dioxane	DCB	Ave	9612 315513	18848 462681	66954	165769	258292	0.250 10.0	0.500 15.0	2.00	5.00	8.00
N-Nitrosodimethylamine	DCB	Lin1	4662 317516	11882 461765	59555	158543	256092	0.250 10.0	0.500 15.0	2.00	5.00	8.00
Pyridine	DCB	Ave	8874 526396	23142 774096	106841	270721	433585	0.250 10.0	0.500 15.0	2.00	5.00	8.00
Aniline	DCB	Ave	29332 1186676	61058 1695892	252431	617267	951034	0.250 10.0	0.500 15.0	2.00	5.00	8.00
Phenol	DCB	Ave	23674 931380	49512 1315807	215111	522818	800961	0.250 10.0	0.500 15.0	2.00	5.00	8.00
Bis(2-chloroethyl)ether	DCB	Ave	20653 774206	40897 1077773	164908	408014	632597	0.250 10.0	0.500 15.0	2.00	5.00	8.00
2-Chlorophenol	DCB	Ave	18962 824002	39447 1168106	170503	418940	662499	0.250 10.0	0.500 15.0	2.00	5.00	8.00
1,3-Dichlorobenzene	DCB	Ave	22446 868620	44950 1236423	182508	448337	701041	0.250 10.0	0.500 15.0	2.00	5.00	8.00
1,4-Dichlorobenzene	DCB	Ave	23155 866979	47396 1237544	186476	447367	717578	0.250 10.0	0.500 15.0	2.00	5.00	8.00
1,2-Dichlorobenzene	DCB	Ave	22110 830493	44213 1158286	176801	428814	667134	0.250 10.0	0.500 15.0	2.00	5.00	8.00
Benzyl alcohol	DCB	Lin1	7194 483224	18808 738615	97728	261224	387103	0.250 10.0	0.500 15.0	2.00	5.00	8.00
bis (2-chloroisopropyl) ether	DCB	Ave	25861 951741	50123 1366029	203521	501036	774872	0.250 10.0	0.500 15.0	2.00	5.00	8.00
2-Methylphenol	DCB	Ave	16469 745701	34340 1086633	146669	368253	580276	0.250 10.0	0.500 15.0	2.00	5.00	8.00
Acetophenone	DCB	Ave	25601 1048644	51536 1522455	216655	538332	839519	0.250 10.0	0.500 15.0	2.00	5.00	8.00
N-Nitrosodi-n-propylamine	DCB	Ave	12214 553376	26438 803701	112267	284666	441907	0.250 10.0	0.500 15.0	2.00	5.00	8.00

FORM VI

GC/MS SEMI VOA INITIAL CALIBRATION DATA

INTERNAL STANDARD RESPONSE AND CONCENTRATION

Lab Name: TestAmerica Buffalo Job No.: 480-55783-1 Analy Batch No.: 168862

SDG No.:

Instrument ID: HP5973W GC Column: RXI-5Sil MS ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 03/06/2014 13:08 Calibration End Date: 03/06/2014 15:33 Calibration ID: 17711

ANALYTE	IS REF	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
4-Methylphenol	DCB	Ave	14247 745600	35388 948350	154825	380180	604977	0.250 10.0	0.500 15.0	2.00	5.00	8.00
Hexachloroethane	DCB	Ave	9886 352506	19110 431209	77567	189666	289554	0.250 10.0	0.500 15.0	2.00	5.00	8.00
Nitrobenzene	NPT	Ave	20145 822268	41614 1178006	174550	434381	671328	0.250 10.0	0.500 15.0	2.00	5.00	8.00
Isophorone	NPT	Ave	25973 1350649	62939 2026188	283020	695319	1079153	0.250 10.0	0.500 15.0	2.00	5.00	8.00
2-Nitrophenol	NPT	Ave	9745 445041	20346 651904	87430	225276	357839	0.250 10.0	0.500 15.0	2.00	5.00	8.00
2,4-Dimethylphenol	NPT	Ave	14471 744183	34331 1086493	156708	379757	601541	0.250 10.0	0.500 15.0	2.00	5.00	8.00
Bis(2-chloroethoxy)methane	NPT	Ave	21342 896883	46096 1245736	189035	465003	734399	0.250 10.0	0.500 15.0	2.00	5.00	8.00
2,4-Dichlorophenol	NPT	Ave	10082 631083	24426 897118	127421	319937	500847	0.250 10.0	0.500 15.0	2.00	5.00	8.00
1,2,4-Trichlorobenzene	NPT	Ave	18580 738812	38035 1015653	155390	381981	589207	0.250 10.0	0.500 15.0	2.00	5.00	8.00
Naphthalene	NPT	Ave	60081 2079228	119693 2776886	479373	1135694	1697032	0.250 10.0	0.500 15.0	2.00	5.00	8.00
4-Chloroaniline	NPT	Ave	19529 945408	44877 1344520	197981	488751	777537	0.250 10.0	0.500 15.0	2.00	5.00	8.00
Hexachlorobutadiene	NPT	Ave	11748 466990	24144 656923	98524	239240	376933	0.250 10.0	0.500 15.0	2.00	5.00	8.00
4-Chloro-3-methylphenol	NPT	Ave	12466 643300	24244 934620	129398	326418	520100	0.250 10.0	0.500 15.0	2.00	5.00	8.00
2-Methylnaphthalene	NPT	Ave	35600 1376852	75260 1886046	305699	735428	1119188	0.250 10.0	0.500 15.0	2.00	5.00	8.00
Hexachlorocyclopentadiene	ANT	Lin1	6324 484124	17086 710384	88949	247049	392714	0.250 10.0	0.500 15.0	2.00	5.00	8.00
1,2,4,5-Tetrachlorobenzene	ANT	Ave	16394 699987	35177 915595	154556	385683	580212	0.250 10.0	0.500 15.0	2.00	5.00	8.00
2,4,6-Trichlorophenol	ANT	Ave	8430 469352	16920 684016	87592	231579	376328	0.250 10.0	0.500 15.0	2.00	5.00	8.00
2,4,5-Trichlorophenol	ANT	Lin1	7387 524296	15887 761537	104212	252428	421806	0.250 10.0	0.500 15.0	2.00	5.00	8.00
Biphenyl	ANT	Ave	37426 1502569	79914 1871782	353686	863496	1289824	0.250 10.0	0.500 15.0	2.00	5.00	8.00
2-Chloronaphthalene	ANT	Ave	28812 1273146	69553 1614495	277815	691608	1054610	0.250 10.0	0.500 15.0	2.00	5.00	8.00
2-Nitroaniline	ANT	Ave	7267 419597	17112 615892	81087	209936	328654	0.250 10.0	0.500 15.0	2.00	5.00	8.00

FORM VI

GC/MS SEMI VOA INITIAL CALIBRATION DATA

INTERNAL STANDARD RESPONSE AND CONCENTRATION

Lab Name: TestAmerica Buffalo Job No.: 480-55783-1 Analy Batch No.: 168862

SDG No.:

Instrument ID: HP5973W GC Column: RXI-5Sil MS ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 03/06/2014 13:08 Calibration End Date: 03/06/2014 15:33 Calibration ID: 17711

ANALYTE	IS REF	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
Dimethyl phthalate	ANT	Ave	31423 1453550	70643 2134253	295125	741096	1170493	0.250 10.0	0.500 15.0	2.00	5.00	8.00
1,3-Dinitrobenzene	NPT	Ave	4674 280573	10455 413757	54775	139742	222357	0.250 10.0	0.500 15.0	2.00	5.00	8.00
2,6-Dinitrotoluene	ANT	Ave	7123 357680	15078 516991	70008	177216	287040	0.250 10.0	0.500 15.0	2.00	5.00	8.00
Acenaphthylene	ANT	Ave	53532 2062561	105649 2867541	443137	1094563	1679807	0.250 10.0	0.500 15.0	2.00	5.00	8.00
3-Nitroaniline	ANT	Ave	7233 398218	14946 588574	75736	199028	317361	0.250 10.0	0.500 15.0	2.00	5.00	8.00
Acenaphthene	ANT	Ave	34008 1325097	70371 1791384	286572	705111	1077176	0.250 10.0	0.500 15.0	2.00	5.00	8.00
2,4-Dinitrophenol	ANT	Lin1	+++++ 507176	7103 783756	72392	225453	385855	+++++ 20.0	1.00 30.0	4.00	10.0	16.0
Dibenzofuran	ANT	Ave	49188 1832659	98956 2543830	409475	979090	1485292	0.250 10.0	0.500 15.0	2.00	5.00	8.00
2,4-Dinitrotoluene	ANT	Ave	8170 463732	20292 673750	90822	232163	371790	0.250 10.0	0.500 15.0	2.00	5.00	8.00
4-Nitrophenol	ANT	Ave	+++++ 380984	11934 585128	61500	177551	294062	+++++ 20.0	1.00 30.0	4.00	10.0	16.0
2,3,4,6-Tetrachlorophenol	ANT	Lin1	6002 435498	16711 630289	79073	214199	340681	0.250 10.0	0.500 15.0	2.00	5.00	8.00
Diethyl phthalate	ANT	Ave	34112 1367178	72027 1839919	298710	738219	1120381	0.250 10.0	0.500 15.0	2.00	5.00	8.00
Fluorene	ANT	Ave	38904 1386692	80731 1817299	321925	778790	1172024	0.250 10.0	0.500 15.0	2.00	5.00	8.00
4-Chlorophenyl phenyl ether	ANT	Ave	19995 712530	40958 855350	164914	403422	602751	0.250 10.0	0.500 15.0	2.00	5.00	8.00
4-Nitroaniline	ANT	Ave	6294 315244	11847 390271	69214	165473	249650	0.250 10.0	0.500 15.0	2.00	5.00	8.00
4,6-Dinitro-2-methylphenol	PHN	Lin1	5213 606948	17914 919290	107118	300820	488823	0.500 20.0	1.00 30.0	4.00	10.0	16.0
1,2-Diphenylhydrazine	ANT	Ave	37807 1425730	76802 1993740	323330	784416	1179032	0.250 10.0	0.500 15.0	2.00	5.00	8.00
trans-Azobenzene	PHN	Ave	37807 1425730	76802 1993740	323330	784416	1179032	0.250 10.0	0.500 15.0	2.00	5.00	8.00
4-Bromophenyl phenyl ether	PHN	Ave	11450 466672	22901 670999	95967	240003	373572	0.250 10.0	0.500 15.0	2.00	5.00	8.00
Hexachlorobenzene	PHN	Ave	13392 519045	25214 745714	107917	269274	421218	0.250 10.0	0.500 15.0	2.00	5.00	8.00
Pentachlorophenol	PHN	Lin1	6060 591073	14272 879917	98309	297055	481701	0.500 20.0	1.00 30.0	4.00	10.0	16.0

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

Lab Name: TestAmerica Buffalo Job No.: 480-55783-1 Analy Batch No.: 168862

SDG No.:

Instrument ID: HP5973W GC Column: RXI-5Sil MS ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 03/06/2014 13:08 Calibration End Date: 03/06/2014 15:33 Calibration ID: 17711

ANALYTE	IS REF	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
Phenanthrene	PHN	Ave	54892 2014595	107082 2840248	427899	1060594	1619410	0.250 10.0	0.500 15.0	2.00	5.00	8.00
Anthracene	PHN	Ave	58165 2047935	114371 2907104	441681	1087091	1680600	0.250 10.0	0.500 15.0	2.00	5.00	8.00
Carbazole	PHN	Ave	47826 1845142	95116 2528180	392160	968876	1515205	0.250 10.0	0.500 15.0	2.00	5.00	8.00
Di-n-butyl phthalate	PHN	Ave	55874 2151048	108971 2981384	475264	1163857	1772332	0.250 10.0	0.500 15.0	2.00	5.00	8.00
Fluoranthene	PHN	Ave	57406 2179424	114515 3032108	475534	1161205	1771627	0.250 10.0	0.500 15.0	2.00	5.00	8.00
Pyrene	CRY	Ave	60208 2235336	120097 3123511	483623	1194162	1817567	0.250 10.0	0.500 15.0	2.00	5.00	8.00
Butyl benzyl phthalate	CRY	Ave	23276 990269	45556 1424833	196797	509386	799299	0.250 10.0	0.500 15.0	2.00	5.00	8.00
Benzo[a]anthracene	CRY	Ave	56965 2294921	105490 3274510	442164	1145768	1779323	0.250 10.0	0.500 15.0	2.00	5.00	8.00
Chrysene	CRY	Ave	59276 2133487	124665 3048318	463924	1136435	1780662	0.250 10.0	0.500 15.0	2.00	5.00	8.00
Bis(2-ethylhexyl) phthalate	CRY	Ave	35215 1465772	67057 2068559	291344	745087	1196912	0.250 10.0	0.500 15.0	2.00	5.00	8.00
Di-n-octyl phthalate	CRY	Lin1	+++++ 2504616	102652 3639712	486638	1260792	2013226	+++++ 10.0	0.500 15.0	2.00	5.00	8.00
Benzo[b]fluoranthene	PRY	Ave	46005 2646091	87487 4094685	449306	1153993	1998154	0.250 10.0	0.500 15.0	2.00	5.00	8.00
Benzo[k]fluoranthene	PRY	Ave	53464 2374323	132691 3455801	501920	1287759	1961026	0.250 10.0	0.500 15.0	2.00	5.00	8.00
Benzo[a]pyrene	PRY	Ave	47184 2380501	103803 3604664	442619	1161975	1879353	0.250 10.0	0.500 15.0	2.00	5.00	8.00
Indeno[1,2,3-cd]pyrene	PRY	Ave	46218 2489786	91345 4086777	366733	1063008	1893747	0.250 10.0	0.500 15.0	2.00	5.00	8.00
Dibenz(a,h)anthracene	PRY	Ave	48452 2449122	90367 3730899	437392	1178485	1919854	0.250 10.0	0.500 15.0	2.00	5.00	8.00
Benzo[g,h,i]perylene	PRY	Ave	55190 2354552	83190 3639938	422976	1150263	1863230	0.250 10.0	0.500 15.0	2.00	5.00	8.00
2-Fluorophenol (Surr)	DCB	Ave	18257 752709	37542 1087640	158222	393340	607440	0.250 10.0	0.500 15.0	2.00	5.00	8.00
Phenol-d5 (Surr)	DCB	Ave	21474 982110	46951 1412013	204532	505592	791285	0.250 10.0	0.500 15.0	2.00	5.00	8.00
Nitrobenzene-d5 (Surr)	NPT	Ave	20236 870015	41203 1275186	175126	435071	689741	0.250 10.0	0.500 15.0	2.00	5.00	8.00
2-Fluorobiphenyl	ANT	Ave	33637 1521458	73534 2042224	326704	798669	1252755	0.250 10.0	0.500 15.0	2.00	5.00	8.00

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

Lab Name: TestAmerica Buffalo Job No.: 480-55783-1 Analy Batch No.: 168862

SDG No.:

Instrument ID: HP5973W GC Column: RXI-5Sil MS ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 03/06/2014 13:08 Calibration End Date: 03/06/2014 15:33 Calibration ID: 17711

ANALYTE	IS REF	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
2,4,6-Tribromophenol (Surr)	PHN	Ave	4582 278399	10690 412139	52113	140061	226616	0.250 10.0	0.500 15.0	2.00	5.00	8.00
p-Terphenyl-d14 (Surr)	CRY	Ave	40400 1650648	79688 2321730	340436	846972	1339226	0.250 10.0	0.500 15.0	2.00	5.00	8.00

Curve Type Legend:
Ave = Average ISTD
Lin1 = Linear 1/conc ISTD

TestAmerica Buffalo
Target Compound Quantitation Report

Data File: \\Bufchrom\ChromData\HP5973W\20140306-29988.b\W04760.D
Lims ID: IC 8270LVI - .25 Lab Sample ID:
Client ID:
Sample Type: IC Calib Level: 1
Inject. Date: 06-Mar-2014 13:08:30 ALS Bottle#: 3 Worklist Smp#: 3
Injection Vol: 5.0 ul Dil. Factor: 1.0000
Sample Info: 480-0029988-003
Operator ID: rar Instrument ID: HP5973W
Sublist: chrom-W-LVI-8270*sub18

Method: \\Bufchrom\ChromData\HP5973W\20140306-29988.b\W-LVI-8270.m
Limit Group: MB - 8270D ICAL
Last Update: 06-Mar-2014 15:17:29 Calib Date: 06-Mar-2014 14:45:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\Bufchrom\ChromData\HP5973W\20140306-29988.b\W04764.D

Column 1 : RXI-5Sil MS (0.25 mm) Det: MS SCAN
Process Host: XAWRK022

First Level Reviewer: mckernar Date: 06-Mar-2014 14:12:06

	Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	On-Col Amt ng/uL	Flags
*	1 1,4-Dichlorobenzene-d4	152	5.460	5.461	-0.001	96	245083	4.00	
*	2 Naphthalene-d8	136	6.502	6.502	0.0	99	882029	4.00	
*	3 Acenaphthene-d10	164	7.945	7.945	0.0	93	488328	4.00	
*	4 Phenanthrene-d10	188	9.163	9.163	0.0	96	859085	4.00	
*	5 Chrysene-d12	240	11.364	11.364	0.0	80	914110	4.00	
*	6 Perylene-d12	264	12.902	12.902	0.0	83	886815	4.00	
$	7 2-Fluorophenol	112	4.429	4.430	-0.001	77	18257	0.2403	
$	8 Phenol-d5	99	5.236	5.236	0.0	0	21474	0.2239	
$	9 Nitrobenzene-d5	82	5.915	5.915	0.0	75	20236	0.2438	
$	10 2-Fluorobiphenyl	172	7.400	7.400	0.0	82	33637	0.2157	
$	11 2,4,6-Tribromophenol	330	8.607	8.602	0.005	1	4582	0.2547	
$	12 p-Terphenyl-d14	244	10.487	10.482	0.005	71	40400	0.2330	
	55 1,4-Dioxane	88	2.880	2.875	0.005	83	9612	0.2755	
	53 N-Nitrosodimethylamine	42	3.169	3.153	0.016	69	4662	0.2497	
	52 Pyridine	52	3.201	3.179	0.022	91	8874	0.2322	
	69 Aniline	93	5.204	5.204	0.0	94	29332	0.2424	
	72 Phenol	94	5.247	5.247	0.0	91	23674	0.2351	
	74 Bis(2-chloroethyl)ether	93	5.257	5.258	-0.001	75	20653	0.2546	
	75 2-Chlorophenol	128	5.306	5.306	0.0	89	18962	0.2344	
	78 1,3-Dichlorobenzene	146	5.412	5.413	-0.001	91	22446	0.2516	
	77 1,4-Dichlorobenzene	146	5.476	5.477	-0.001	42	23155	0.2529	
	73 1,2-Dichlorobenzene	146	5.599	5.594	0.005	89	22110	0.2556	
	79 Benzyl alcohol	108	5.599	5.600	-0.001	73	7194	0.2396	
	83 2,2'-oxybis[1-chloropropane]	45	5.701	5.701	0.0	83	25861	0.2585	
	82 2-Methylphenol	108	5.717	5.722	-0.005	80	16469	0.2339	
	86 Acetophenone	105	5.797	5.797	0.0	93	25601	0.2444	
	87 N-Nitrosodi-n-propylamine	70	5.802	5.808	-0.006	78	12214	0.2274	
	88 4-Methylphenol	108	5.850	5.856	-0.006	84	14247	0.2008	
	89 Hexachloroethane	117	5.872	5.872	0.0	93	9886	0.2604	
	85 Nitrobenzene	77	5.931	5.931	0.0	75	20145	0.2439	
	94 Isophorone	82	6.128	6.134	-0.006	86	25973	0.2059	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	On-Col Amt ng/uL	Flags
97 2-Nitrophenol	139	6.192	6.193	0.0	81	9745	0.2337	
99 2,4-Dimethylphenol	107	6.267	6.267	0.0	76	14471	0.2079	
103 Bis(2-chloroethoxy)methane	93	6.321	6.321	0.0	84	21342	0.2386	
106 2,4-Dichlorophenol	162	6.422	6.412	0.010	31	10082	0.2423	
100 1,2,4-Trichlorobenzene	180	6.454	6.454	0.0	85	18580	0.2509	
107 Naphthalene	128	6.518	6.518	0.0	66	60081	0.2644	
108 4-Chloroaniline	127	6.582	6.577	0.005	90	19529	0.2162	
110 Hexachlorobutadiene	225	6.625	6.625	0.0	82	11748	0.2504	
117 4-Chloro-3-methylphenol	107	7.036	7.021	0.015	28	12466	0.2177	
121 2-Methylnaphthalene	142	7.090	7.085	0.005	80	35600	0.2480	
236 1-Methylnaphthalene	142	7.165	7.165	0.0	0	30479	NC	
125 Hexachlorocyclopentadiene	237	7.218	7.218	0.0	68	6324	0.2567	
124 1,2,4,5-Tetrachlorobenzene	216	7.223	7.224	-0.001	83	16394	0.2206	
127 2,4,6-Trichlorophenol	196	7.346	7.341	0.005	15	8430	0.2014	
129 2,4,5-Trichlorophenol	196	7.416	7.389	0.027	50	7387	0.2669	
130 1,1'-Biphenyl	154	7.480	7.475	0.005	90	37426	0.2228	
131 2-Chloronaphthalene	162	7.485	7.485	0.0	95	28812	0.2118	
132 2-Nitroaniline	65	7.603	7.592	0.011	21	7267	0.1899	
134 Dimethyl phthalate	163	7.747	7.747	0.0	83	31423	0.2163	
139 1,3-Dinitrobenzene	168	7.774	7.768	0.006	44	4674	0.2521	
135 2,6-Dinitrotoluene	165	7.795	7.790	0.005	39	7123	0.2110	
137 Acenaphthylene	152	7.827	7.827	0.0	85	53532	0.2430	
140 3-Nitroaniline	138	7.950	7.939	0.011	23	7233	0.2008	
141 Acenaphthene	153	7.966	7.971	-0.005	92	34008	0.2386	
142 2,4-Dinitrophenol	184		8.020					
145 Dibenzofuran	168	8.116	8.116	0.0	73	49188	0.2448	
144 2,4-Dinitrotoluene	165	8.126	8.121	0.005	43	8170	0.1885	
143 4-Nitrophenol	109		8.148					
147 2,3,4,6-Tetrachlorophenol	232	8.244	8.233	0.011	6	6002	0.2440	
149 Diethyl phthalate	149	8.329	8.329	0.0	87	34112	0.2321	
151 Fluorene	166	8.399	8.394	0.005	75	38904	0.2433	
152 4-Chlorophenyl phenyl ether	204	8.409	8.404	0.005	71	19995	0.2437	
153 4-Nitroaniline	138	8.473	8.447	0.026	31	6294	0.2084	
154 4,6-Dinitro-2-methylphenol	198	8.463	8.452	0.011	13	5213	0.5229	
158 Azobenzene	77	8.532	8.532	0.0	93	37807	0.2348	
159 1,2-Diphenylhydrazine	77	8.532	8.532	0.0	93	37807	0.2395	
164 4-Bromophenyl phenyl ether	248	8.805	8.805	0.0	42	11450	0.2341	
168 Hexachlorobenzene	284	8.842	8.842	0.0	70	13392	0.2427	
172 Pentachlorophenol	266	9.040	9.024	0.016	1	6060	0.2621	M
177 Phenanthrene	178	9.179	9.179	0.0	89	54892	0.2475	
180 Anthracene	178	9.221	9.222	-0.001	86	58165	0.2510	
181 Carbazole	167	9.387	9.371	0.016	35	47826	0.2384	
184 Di-n-butyl phthalate	149	9.670	9.670	0.0	90	55874	0.2361	
191 Fluoranthene	202	10.156	10.151	0.005	84	57406	0.2390	
193 Pyrene	202	10.343	10.338	0.005	93	60208	0.2419	
200 Butyl benzyl phthalate	149	10.894	10.894	0.0	83	23276	0.2294	
205 Benzo[a]anthracene	228	11.353	11.353	0.0	88	56965	0.2449	
207 Chrysene	228	11.385	11.385	0.0	84	59276	0.2423	
206 Bis(2-ethylhexyl) phthalate	149	11.417	11.417	0.0	91	35215	0.2338	
208 Di-n-octyl phthalate	149	12.085	12.080	0.005	75	51095	0.2819	
209 Benzo[b]fluoranthene	252	12.459	12.459	0.0	83	46005	0.2121	
211 Benzo[k]fluoranthene	252	12.485	12.491	-0.006	86	53464	0.2121	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	On-Col Amt ng/uL	Flags
213 Benzo[a]pyrene	252	12.827	12.833	-0.006	49	47184	0.2131	
215 Indeno[1,2,3-cd]pyrene	276	14.227	14.206	0.021	75	46218	0.2267	M
216 Dibenz(a,h)anthracene	278	14.264	14.249	0.015	0	48452	0.2224	M
217 Benzo[g,h,i]perylene	276	14.542	14.537	0.005	73	55190	0.2553	M
240 Hexadecane	57	9.104	9.104	0.0	72	19873	NR	
S 218 3 & 4 Methylphenol	108				0		0.2008	
S 219 3-Methylphenol	1				0		0.2008	
S 220 Total Cresols	1				0		0.4346	

QC Flag Legend

Review Flags
M - Manually Integrated

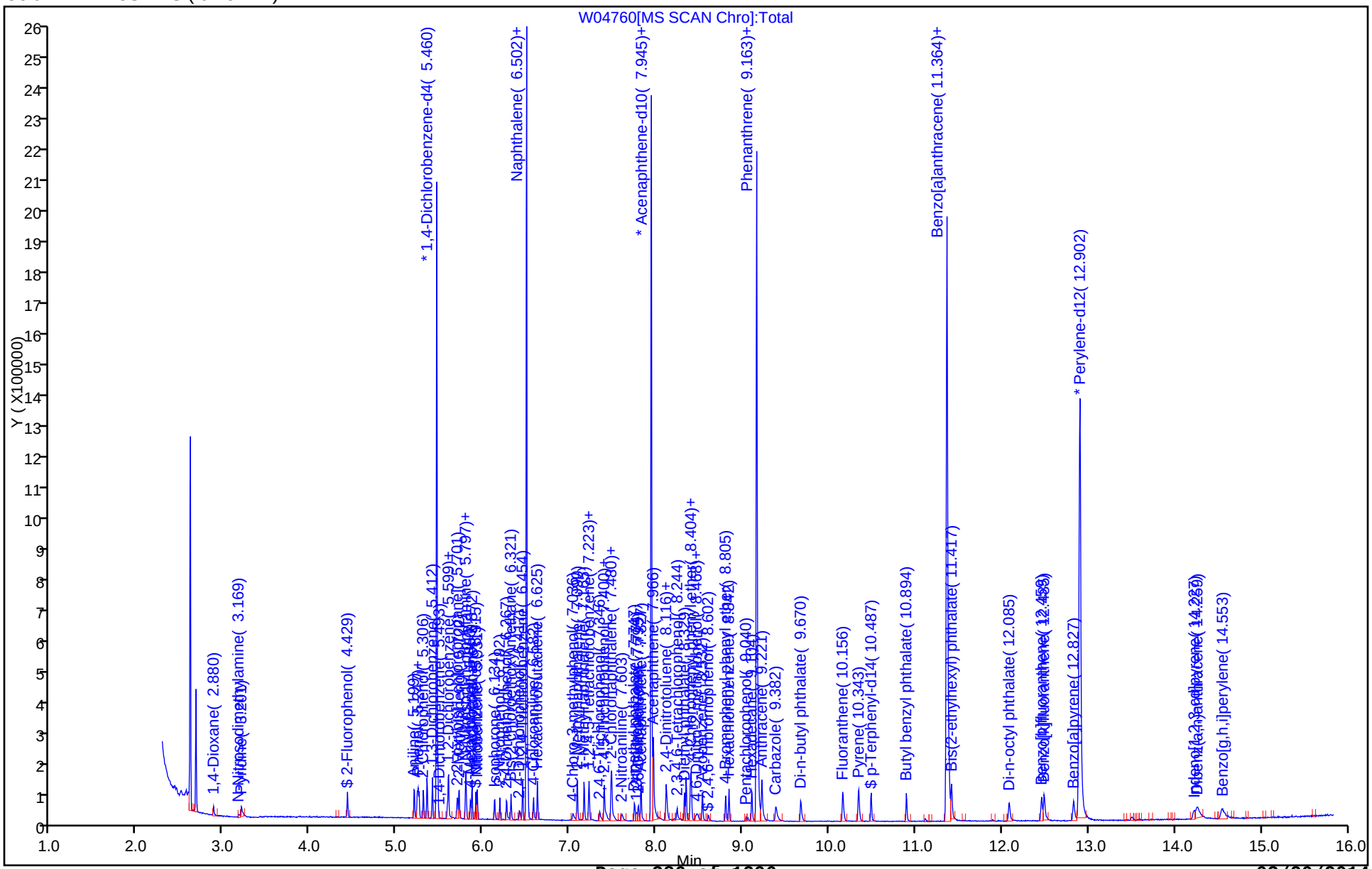
Report Date: 06-Mar-2014 15:17:30 Chrom Revision: 2.1 17-Feb-2014 09:05:58

TestAmerica Buffalo

Data File: \\Bufchrom\ChromData\HP5973W\20140306-29988.b\W04760.D

Injection Date:	06-Mar-2014 13:08:30	Instrument ID:	HP5973W	Operator ID:	rar
Lims ID:	IC 8270LVI - .25	Lab Sample ID:		Worklist Smp#:	3
Client ID:					
Injection Vol:	5.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	3
Method:	W-LVI-8270	Limit Group:	MB - 8270D ICAL		

Column: RXI-5Sil MS (0.25 mm)



Manual Integration/User Assign Peak Report

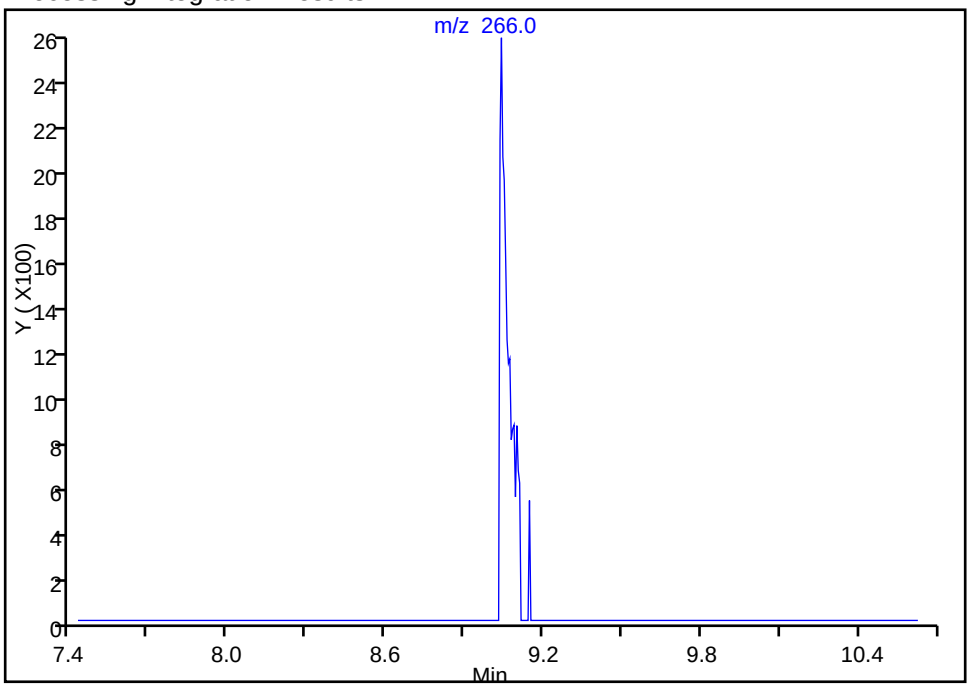
TestAmerica Buffalo

Data File:	\\Bufchrom\ChromData\HP5973W\20140306-29988.b\W04760.D				
Injection Date:	06-Mar-2014 13:08:30	Instrument ID:	HP5973W		
Lims ID:	IC 8270LVI - .25	Lab Sample ID:			
Client ID:					
Operator ID:	rar	ALS Bottle#:	3	Worklist Smp#:	3
Injection Vol:	5.0 ul	Dil. Factor:	1.0000		
Method:	W-LVI-8270	Limit Group:	MB - 8270D ICAL		
Column:	RXI-5Sil MS (0.25 mm)	Detector	MS SCAN		

172 Pentachlorophenol, CAS: 87-86-5

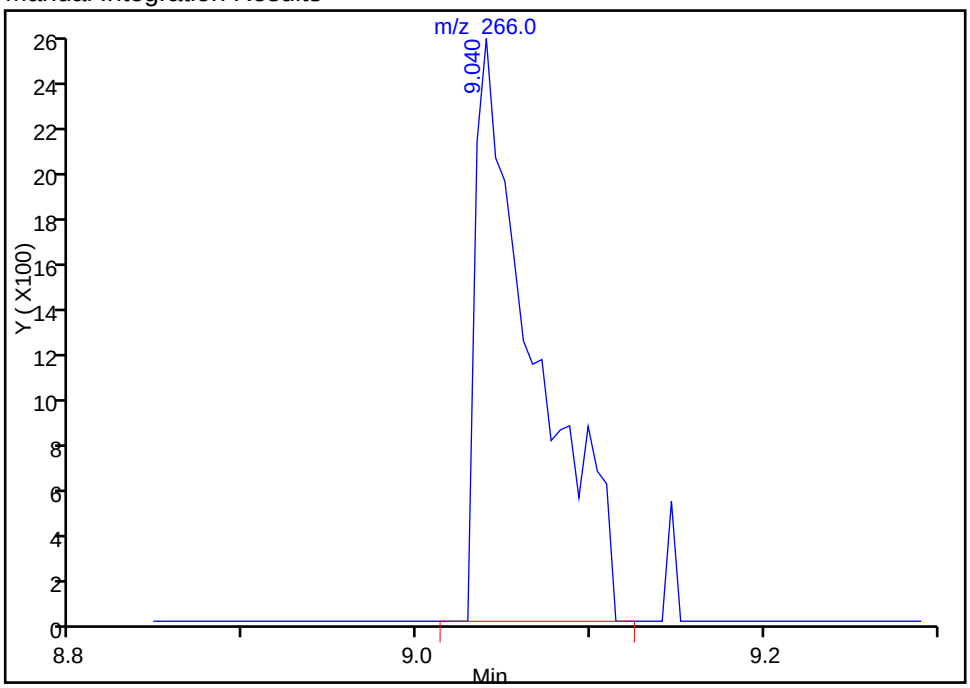
Not Detected
Expected RT: 9.02

Processing Integration Results



Manual Integration Results

RT: 9.04
Response: 6060
Amount: 0.262100



Reviewer: mckernar, 06-Mar-2014 14:21:10
Audit Action: Manually Integrated
Audit Reason: Assign Peak

Manual Integration/User Assign Peak Report

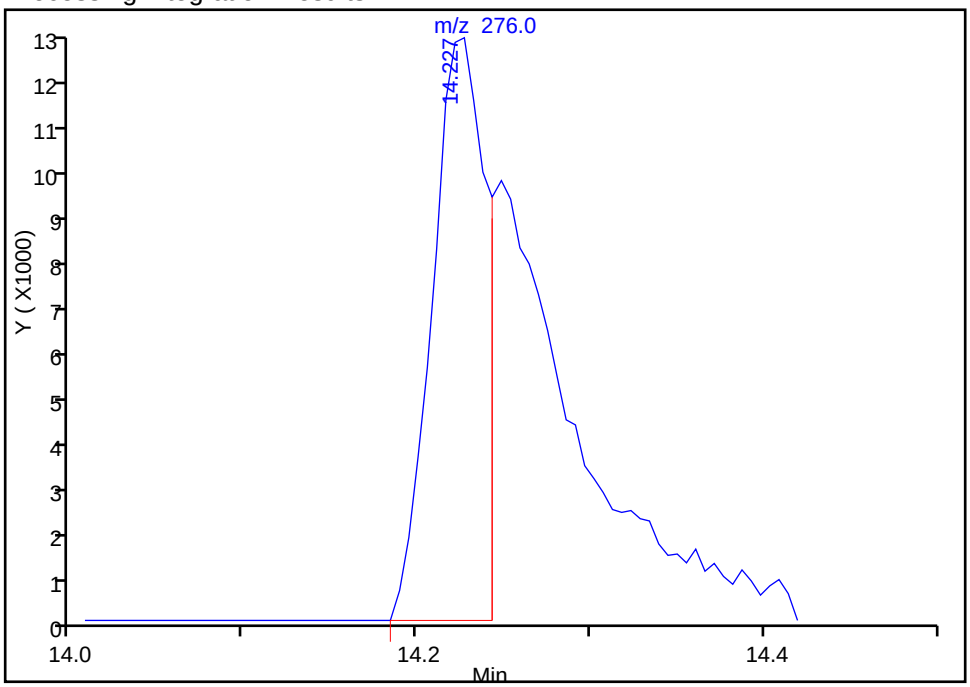
TestAmerica Buffalo

Data File:	\\Bufchrom\ChromData\HP5973W\20140306-29988.b\W04760.D				
Injection Date:	06-Mar-2014 13:08:30	Instrument ID:	HP5973W		
Lims ID:	IC 8270LVI - .25	Lab Sample ID:			
Client ID:					
Operator ID:	rar	ALS Bottle#:	3	Worklist Smp#:	3
Injection Vol:	5.0 ul	Dil. Factor:	1.0000		
Method:	W-LVI-8270	Limit Group:	MB - 8270D ICAL		
Column:	RXI-5Sil MS (0.25 mm)	Detector	MS SCAN		

215 Indeno[1,2,3-cd]pyrene, CAS: 193-39-5

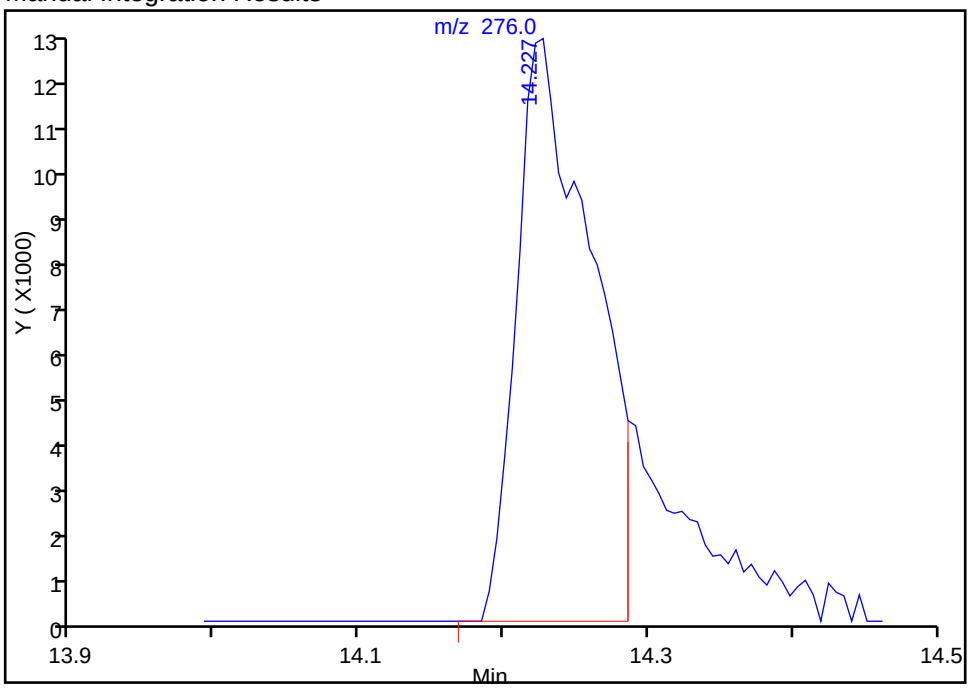
Processing Integration Results

RT: 14.23
Response: 27721
Amount: 0.160800



Manual Integration Results

RT: 14.23
Response: 46218
Amount: 0.226701



Reviewer: mckernar, 06-Mar-2014 15:17:29
Audit Action: Split an Integrated Peak
Audit Reason: Coelution

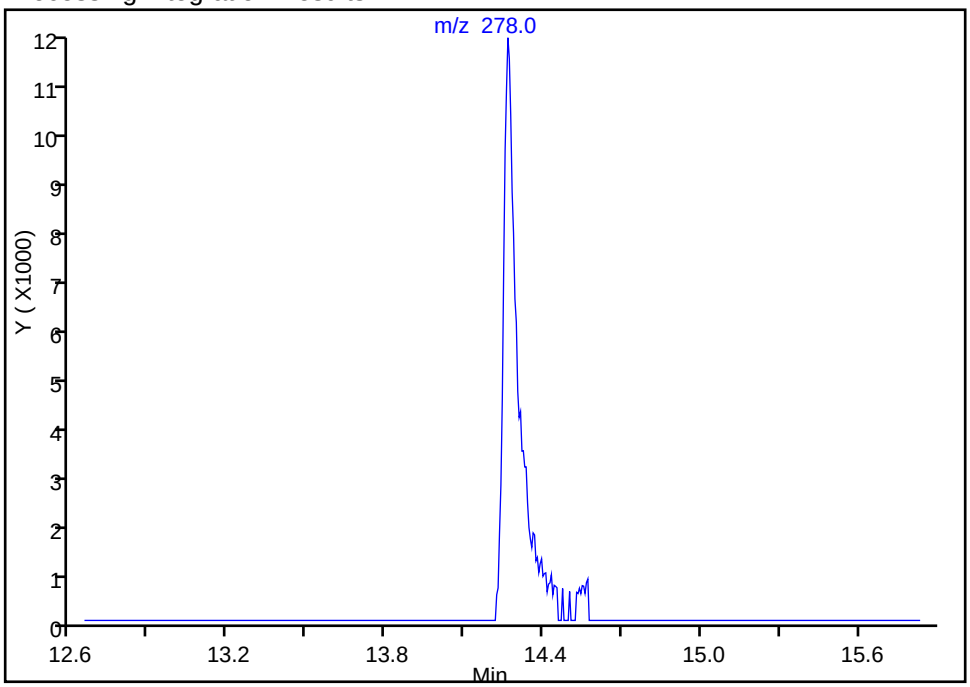
TestAmerica Buffalo

Data File:	\\Bufchrom\ChromData\HP5973W\20140306-29988.b\W04760.D				
Injection Date:	06-Mar-2014 13:08:30	Instrument ID:	HP5973W		
Lims ID:	IC 8270LVI - .25	Lab Sample ID:			
Client ID:					
Operator ID:	rar	ALS Bottle#:	3	Worklist Smp#:	3
Injection Vol:	5.0 ul	Dil. Factor:	1.0000		
Method:	W-LVI-8270	Limit Group:	MB - 8270D ICAL		
Column:	RXI-5Sil MS (0.25 mm)	Detector	MS SCAN		

216 Dibenz(a,h)anthracene, CAS: 53-70-3

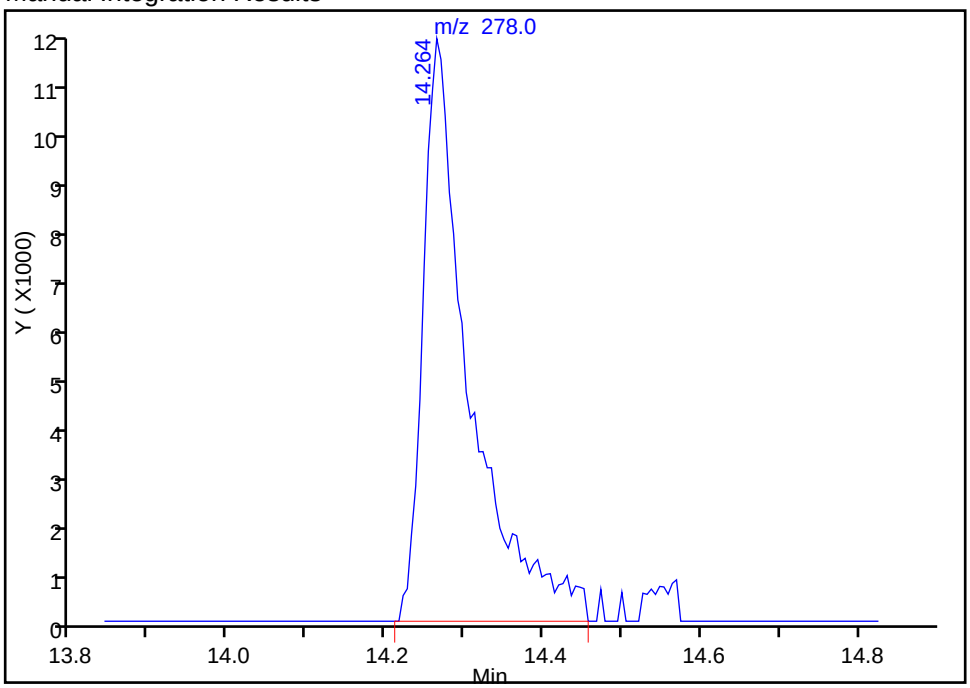
Not Detected
Expected RT: 14.25

Processing Integration Results



Manual Integration Results

RT: 14.26
Response: 48452
Amount: 0.222357



Reviewer: mckernar, 06-Mar-2014 14:12:06
Audit Action: Manually Integrated
Audit Reason: Assign Peak

Manual Integration/User Assign Peak Report

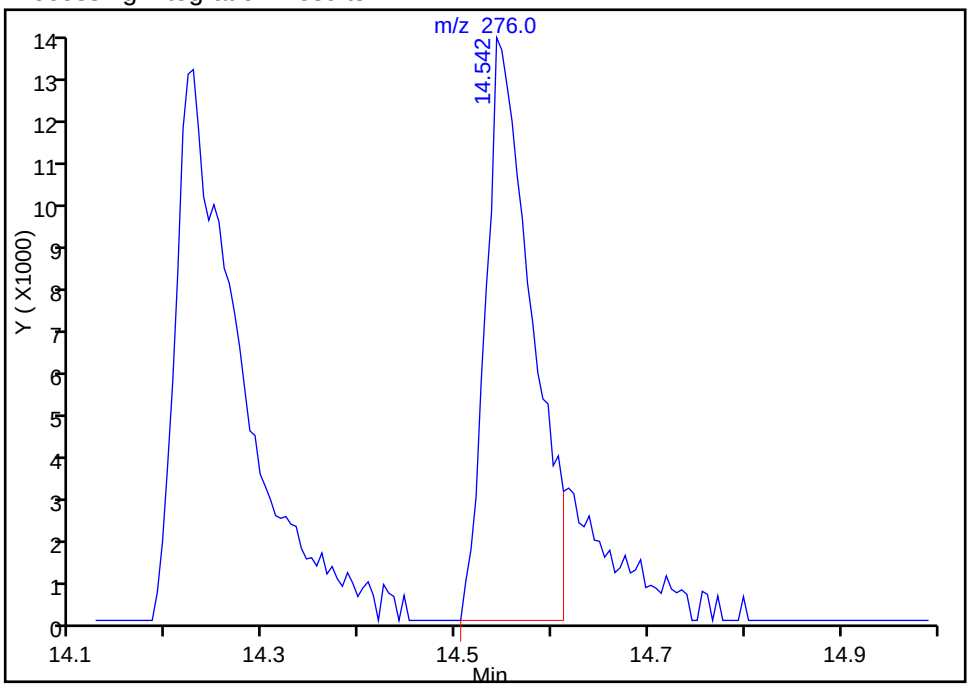
TestAmerica Buffalo

Data File:	\\Bufchrom\ChromData\HP5973W\20140306-29988.b\W04760.D				
Injection Date:	06-Mar-2014 13:08:30	Instrument ID:	HP5973W		
Lims ID:	IC 8270LVI - .25	Lab Sample ID:			
Client ID:					
Operator ID:	rar	ALS Bottle#:	3	Worklist Smp#:	3
Injection Vol:	5.0 ul	Dil. Factor:	1.0000		
Method:	W-LVI-8270	Limit Group:	MB - 8270D ICAL		
Column:	RXI-5Sil MS (0.25 mm)	Detector	MS SCAN		

217 Benzo[g,h,i]perylene, CAS: 191-24-2

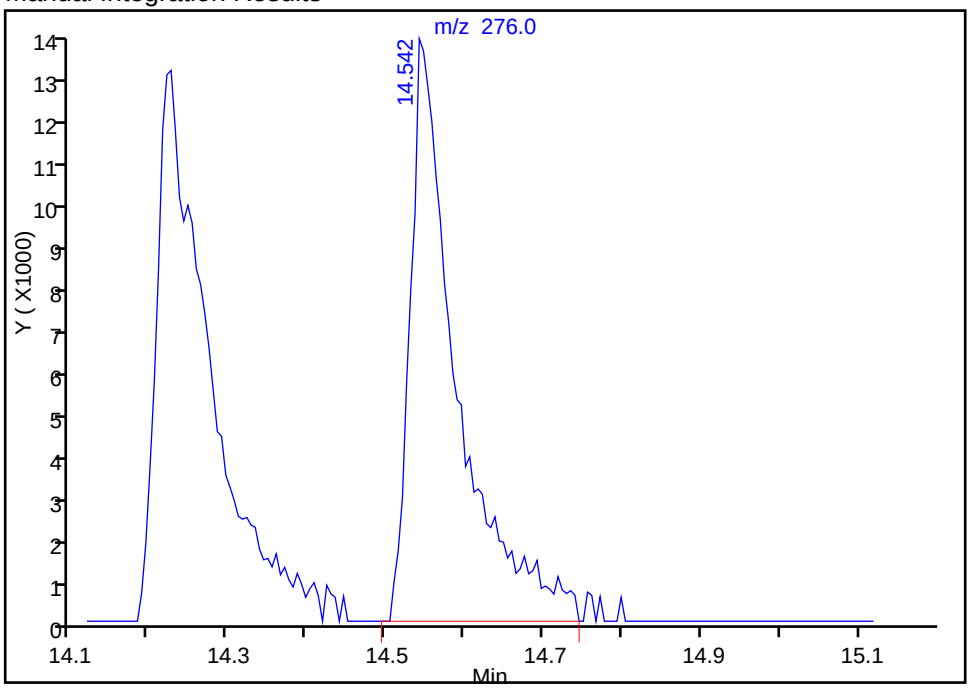
Processing Integration Results

RT: 14.54
Response: 44423
Amount: 0.250678



Manual Integration Results

RT: 14.54
Response: 55190
Amount: 0.255273



Reviewer: mckernar, 06-Mar-2014 14:12:06
Audit Action: Manually Integrated
Audit Reason: Assign Peak

TestAmerica Buffalo
Target Compound Quantitation Report

Data File: \\Bufchrom\ChromData\HP5973W\20140306-29988.b\W04761.D
Lims ID: IC 8270LVI - .5 Lab Sample ID:
Client ID:
Sample Type: IC Calib Level: 2
Inject. Date: 06-Mar-2014 13:33:30 ALS Bottle#: 4 Worklist Smp#: 4
Injection Vol: 5.0 ul Dil. Factor: 1.0000
Sample Info: 480-0029988-004
Operator ID: rar Instrument ID: HP5973W
Sublist: chrom-W-LVI-8270*sub18

Method: \\Bufchrom\ChromData\HP5973W\20140306-29988.b\W-LVI-8270.m
Limit Group: MB - 8270D ICAL
Last Update: 06-Mar-2014 15:17:17 Calib Date: 06-Mar-2014 14:45:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\Bufchrom\ChromData\HP5973W\20140306-29988.b\W04764.D

Column 1 : RXI-5Sil MS (0.25 mm) Det: MS SCAN
Process Host: XAWRK022

First Level Reviewer: mckernar Date: 06-Mar-2014 14:20:10

	Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	On-Col Amt ng/uL	Flags
*	1 1,4-Dichlorobenzene-d4	152	5.460	5.461	-0.001	96	236462	4.00	
*	2 Naphthalene-d8	136	6.502	6.502	0.0	99	870404	4.00	
*	3 Acenaphthene-d10	164	7.945	7.945	0.0	88	452471	4.00	
*	4 Phenanthrene-d10	188	9.163	9.163	0.0	97	788385	4.00	
*	5 Chrysene-d12	240	11.364	11.364	0.0	80	857026	4.00	
*	6 Perylene-d12	264	12.902	12.902	0.0	83	834878	4.00	
$	7 2-Fluorophenol	112	4.429	4.430	-0.001	85	37542	0.5122	
$	8 Phenol-d5	99	5.236	5.236	0.0	0	46951	0.5075	
$	9 Nitrobenzene-d5	82	5.914	5.915	-0.001	83	41203	0.5030	
$	10 2-Fluorobiphenyl	172	7.400	7.400	0.0	96	73534	0.5090	
$	11 2,4,6-Tribromophenol	330	8.602	8.602	0.0	62	10690	0.4941	
$	12 p-Terphenyl-d14	244	10.487	10.482	0.005	90	79688	0.4902	
	55 1,4-Dioxane	88	2.880	2.875	0.005	90	18848	0.5599	
	53 N-Nitrosodimethylamine	42	3.163	3.153	0.010	71	11882	0.4946	
	52 Pyridine	52	3.195	3.179	0.016	95	23142	0.5168	
	69 Aniline	93	5.204	5.204	0.0	97	61058	0.5229	
	72 Phenol	94	5.247	5.247	0.0	94	49512	0.5097	
	74 Bis(2-chloroethyl)ether	93	5.257	5.258	-0.001	85	40897	0.5225	
	75 2-Chlorophenol	128	5.305	5.306	-0.001	94	39447	0.5055	
	78 1,3-Dichlorobenzene	146	5.412	5.413	-0.001	96	44950	0.5221	
	77 1,4-Dichlorobenzene	146	5.476	5.477	-0.001	74	47396	0.5365	
	73 1,2-Dichlorobenzene	146	5.599	5.594	0.005	95	44213	0.5297	
	79 Benzyl alcohol	108	5.599	5.600	-0.001	80	18808	0.4902	
	83 2,2'-oxybis[1-chloropropane]	45	5.701	5.701	0.0	90	50123	0.5193	
	82 2-Methylphenol	108	5.717	5.722	-0.005	85	34340	0.5054	
	86 Acetophenone	105	5.797	5.797	0.0	94	51536	0.5100	
	87 N-Nitrosodi-n-propylamine	70	5.802	5.808	-0.006	84	26438	0.5102	
	88 4-Methylphenol	108	5.850	5.856	-0.006	92	35388	0.5169	
	89 Hexachloroethane	117	5.872	5.872	0.0	93	19110	0.5217	
	85 Nitrobenzene	77	5.931	5.931	0.0	77	41614	0.5106	
	94 Isophorone	82	6.134	6.134	0.0	96	62939	0.5055	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	On-Col Amt ng/uL	Flags
97 2-Nitrophenol	139	6.192	6.193	0.0	86	20346	0.4945	
99 2,4-Dimethylphenol	107	6.267	6.267	0.0	95	34331	0.4998	
103 Bis(2-chloroethoxy)methane	93	6.321	6.321	-0.001	97	46096	0.5222	
106 2,4-Dichlorophenol	162	6.417	6.412	0.005	84	24426	0.4830	
100 1,2,4-Trichlorobenzene	180	6.454	6.454	0.0	91	38035	0.5204	
107 Naphthalene	128	6.518	6.518	0.0	97	119693	0.5339	
108 4-Chloroaniline	127	6.582	6.577	0.005	96	44877	0.5036	
110 Hexachlorobutadiene	225	6.625	6.625	0.0	86	24144	0.5215	
117 4-Chloro-3-methylphenol	107	7.031	7.021	0.010	79	24244	0.4290	
121 2-Methylnaphthalene	142	7.084	7.085	-0.001	84	75260	0.5312	
236 1-Methylnaphthalene	142	7.165	7.165	0.0	0	66272	NC	
125 Hexachlorocyclopentadiene	237	7.218	7.218	0.0	92	17086	0.4968	
124 1,2,4,5-Tetrachlorobenzene	216	7.223	7.224	-0.001	94	35177	0.5108	
127 2,4,6-Trichlorophenol	196	7.346	7.341	0.005	69	16920	0.4363	
129 2,4,5-Trichlorophenol	196	7.400	7.389	0.011	37	15887	0.4484	
130 1,1'-Biphenyl	154	7.474	7.475	-0.001	94	79914	0.5133	
131 2-Chloronaphthalene	162	7.485	7.485	0.0	96	69553	0.5519	
132 2-Nitroaniline	65	7.597	7.592	0.005	50	17112	0.4827	
134 Dimethyl phthalate	163	7.747	7.747	0.0	94	70643	0.5248	
139 1,3-Dinitrobenzene	168	7.774	7.768	0.006	59	10455	0.4731	
135 2,6-Dinitrotoluene	165	7.790	7.790	0.0	64	15078	0.4820	
137 Acenaphthylene	152	7.827	7.827	0.0	89	105649	0.5175	
140 3-Nitroaniline	138	7.945	7.939	0.006	33	14946	0.4477	
141 Acenaphthene	153	7.966	7.971	-0.005	92	70371	0.5328	
142 2,4-Dinitrophenol	184	8.025	8.020	0.005	36	7103	0.4184	
145 Dibenzofuran	168	8.116	8.116	0.0	85	98956	0.5315	
144 2,4-Dinitrotoluene	165	8.121	8.121	0.0	79	20292	0.5053	
143 4-Nitrophenol	109	8.180	8.148	0.032	0	11934	0.7916	M
147 2,3,4,6-Tetrachlorophenol	232	8.238	8.233	0.005	46	16711	0.5193	
149 Diethyl phthalate	149	8.329	8.329	0.0	92	72027	0.5288	
151 Fluorene	166	8.393	8.394	-0.001	83	80731	0.5449	
152 4-Chlorophenyl phenyl ether	204	8.404	8.404	0.0	87	40958	0.5388	
153 4-Nitroaniline	138	8.463	8.447	0.016	71	11847	0.4233	
154 4,6-Dinitro-2-methylphenol	198	8.452	8.452	0.0	67	17914	0.9684	
159 1,2-Diphenylhydrazine	77	8.532	8.532	0.0	96	76802	0.5250	
158 Azobenzene	77	8.532	8.532	0.0	97	76802	0.5199	
164 4-Bromophenyl phenyl ether	248	8.805	8.805	0.0	54	22901	0.5101	
168 Hexachlorobenzene	284	8.842	8.842	0.0	82	25214	0.4978	
172 Pentachlorophenol	266	9.034	9.024	0.010	45	14272	0.6726	
177 Phenanthrene	178	9.179	9.179	0.0	97	107082	0.5262	
180 Anthracene	178	9.221	9.222	-0.001	95	114371	0.5379	
181 Carbazole	167	9.376	9.371	0.005	81	95116	0.5167	
184 Di-n-butyl phthalate	149	9.670	9.670	0.0	96	108971	0.5018	
191 Fluoranthene	202	10.156	10.151	0.005	94	114515	0.5196	
193 Pyrene	202	10.338	10.338	0.0	95	120097	0.5147	
200 Butyl benzyl phthalate	149	10.893	10.894	-0.001	88	45556	0.4789	
205 Benzo[a]anthracene	228	11.353	11.353	0.0	89	105490	0.4837	
207 Chrysene	228	11.385	11.385	0.0	82	124665	0.5436	
206 Bis(2-ethylhexyl) phthalate	149	11.417	11.417	0.0	94	67057	0.4749	
208 Di-n-octyl phthalate	149	12.079	12.080	-0.001	95	102652	0.4785	
209 Benzo[b]fluoranthene	252	12.459	12.459	0.0	82	87487	0.4284	
211 Benzo[k]fluoranthene	252	12.485	12.491	-0.006	97	132691	0.5592	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	On-Col Amt ng/uL	Flags
213 Benzo[a]pyrene	252	12.827	12.833	-0.006	58	103803	0.4979	
215 Indeno[1,2,3-cd]pyrene	276	14.216	14.206	0.010	93	91345	0.4525	M
216 Dibenz(a,h)anthracene	278	14.254	14.249	0.005	51	90367	0.4405	
217 Benzo[g,h,i]perylene	276	14.542	14.537	0.005	77	83190	0.4087	
240 Hexadecane	57	9.104	9.104	0.0	78	44141	NR	
S 220 Total Cresols	1				0		1.02	
S 218 3 & 4 Methylphenol	108				0		0.5169	
S 219 3-Methylphenol	1				0		0.5169	

QC Flag Legend

Review Flags
M - Manually Integrated

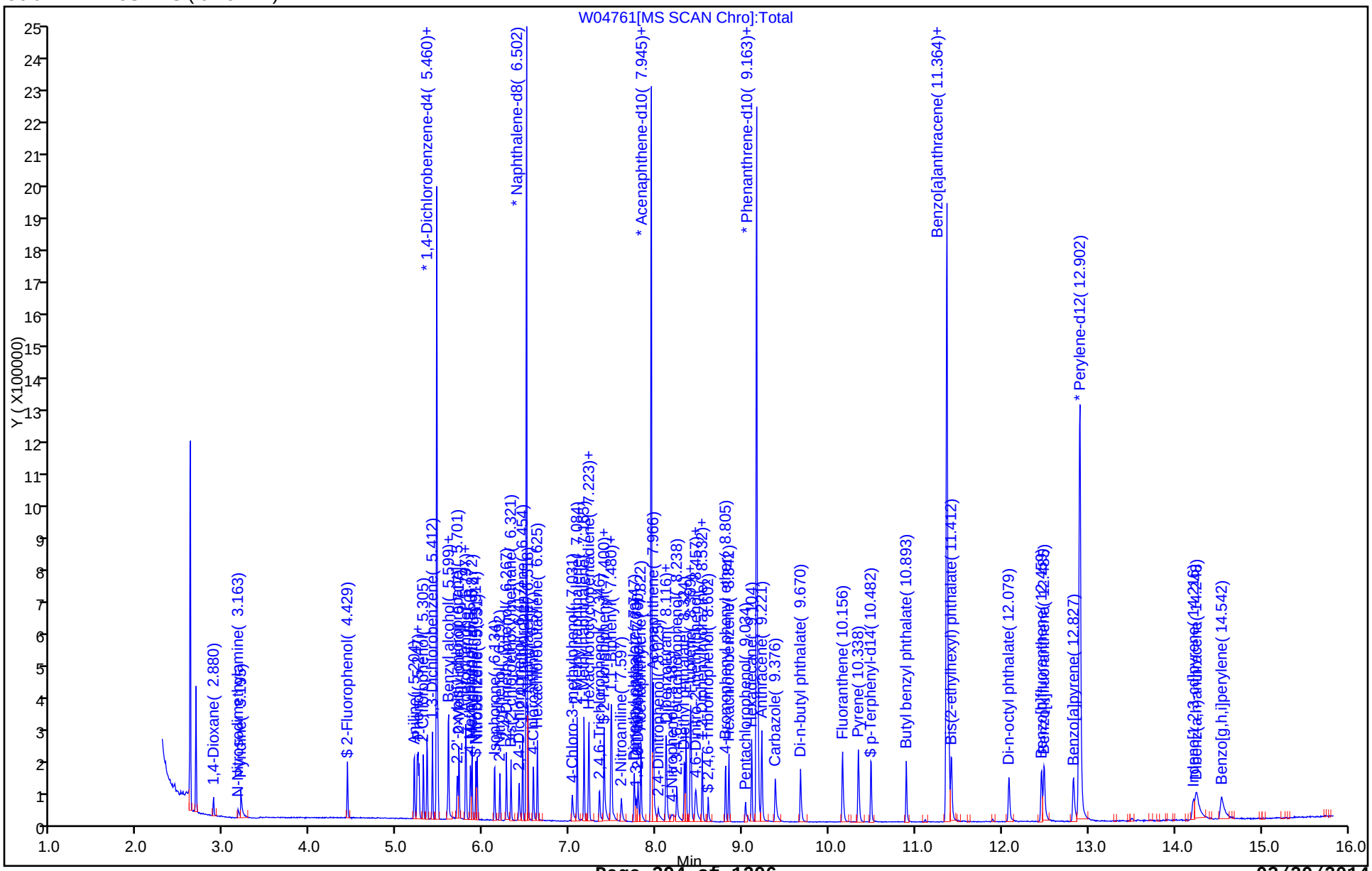
Report Date: 06-Mar-2014 15:17:18 Chrom Revision: 2.1 17-Feb-2014 09:05:58

TestAmerica Buffalo

Data File: \\Bufchrom\ChromData\HP5973W\20140306-29988.b\W04761.D

Injection Date:	06-Mar-2014 13:33:30	Instrument ID:	HP5973W	Operator ID:	rar
Lims ID:	IC 8270LVI - .5	Lab Sample ID:		Worklist Smp#:	4
Client ID:					
Injection Vol:	5.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	4
Method:	W-LVI-8270	Limit Group:	MB - 8270D ICAL		

Column: RXI-5Sil MS (0.25 mm)



Manual Integration/User Assign Peak Report

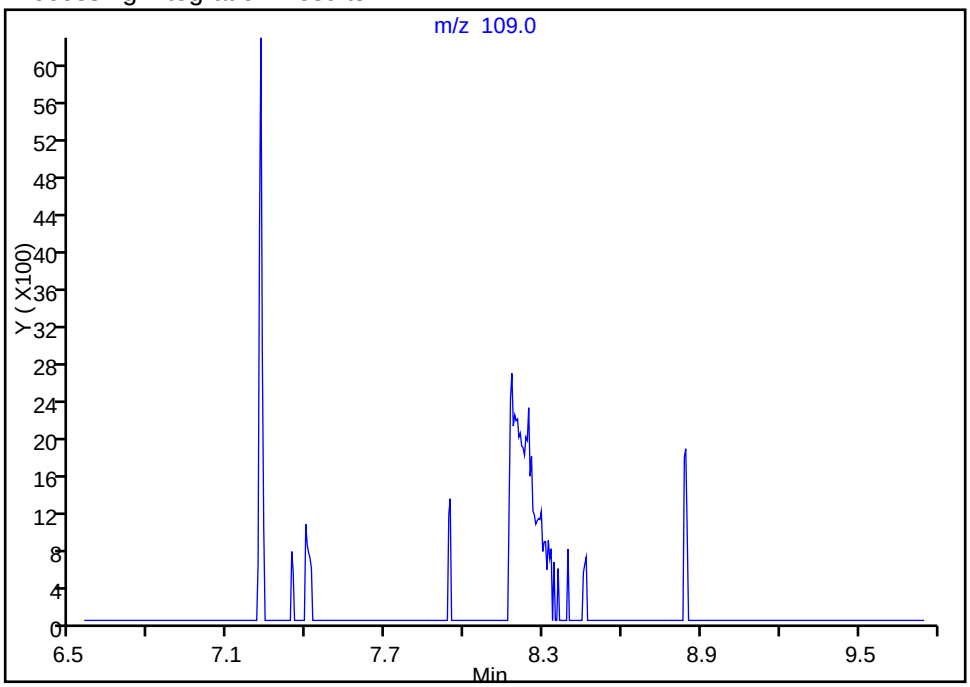
TestAmerica Buffalo

Data File:	\\Bufchrom\ChromData\HP5973W\20140306-29988.b\W04761.D				
Injection Date:	06-Mar-2014 13:33:30	Instrument ID:	HP5973W		
Lims ID:	IC 8270LVI - .5	Lab Sample ID:			
Client ID:					
Operator ID:	rar	ALS Bottle#:	4	Worklist Smp#:	4
Injection Vol:	5.0 ul	Dil. Factor:	1.0000		
Method:	W-LVI-8270	Limit Group:	MB - 8270D ICAL		
Column:	RXI-5Sil MS (0.25 mm)	Detector	MS SCAN		

143 4-Nitrophenol, CAS: 100-02-7

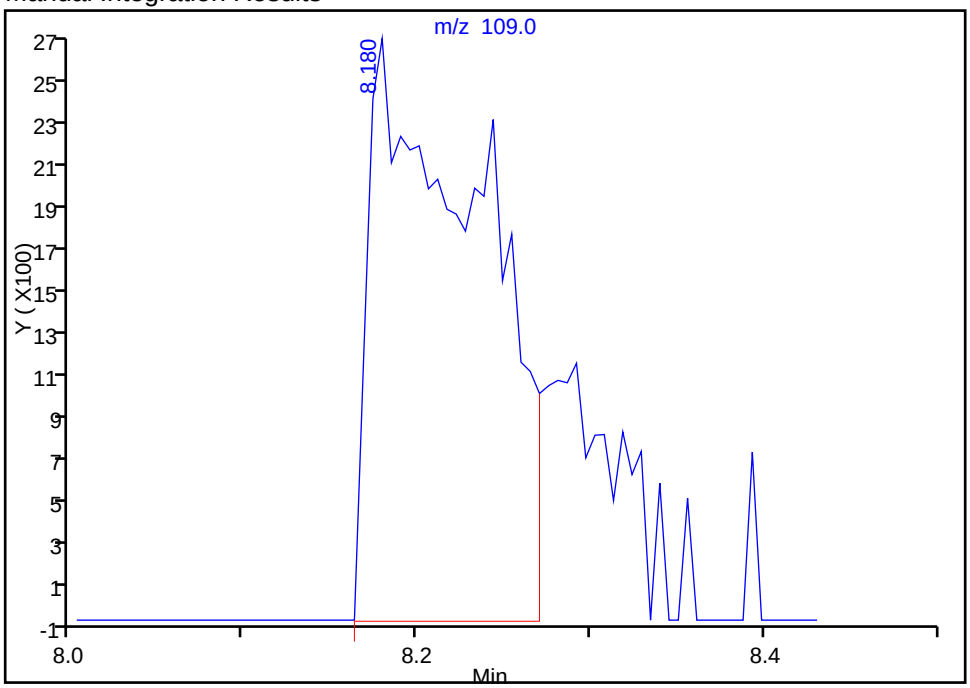
Not Detected
Expected RT: 8.15

Processing Integration Results



Manual Integration Results

RT: 8.18
Response: 11934
Amount: 0.791621



Reviewer: mckernar, 06-Mar-2014 14:21:45
Audit Action: Manually Integrated
Audit Reason: Assign Peak

Manual Integration/User Assign Peak Report

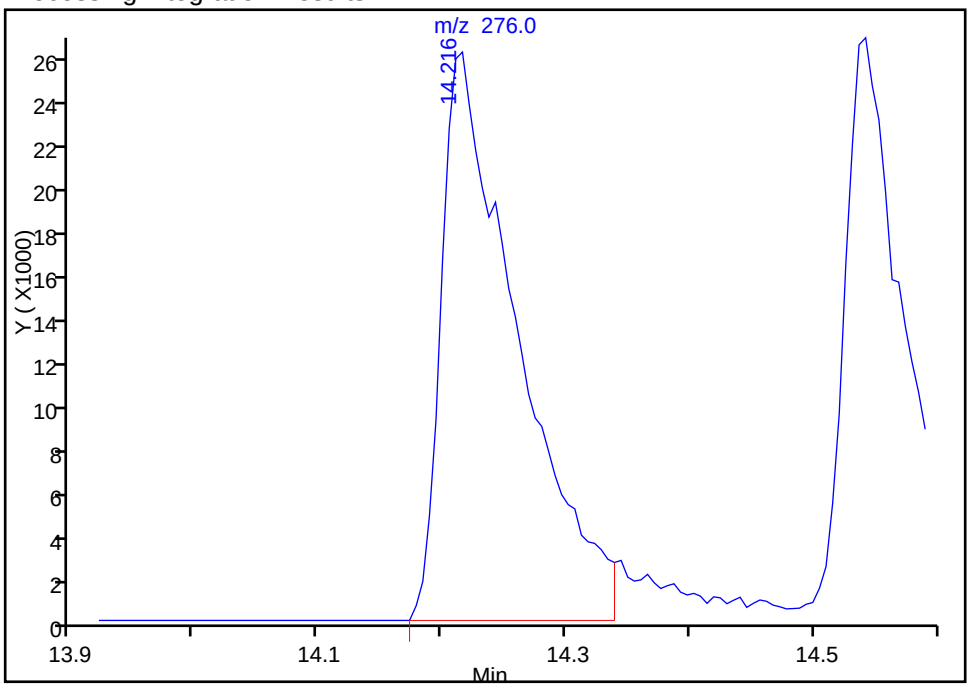
TestAmerica Buffalo

Data File:	\\Bufchrom\ChromData\HP5973W\20140306-29988.b\W04761.D				
Injection Date:	06-Mar-2014 13:33:30	Instrument ID:	HP5973W		
Lims ID:	IC 8270LVI - .5	Lab Sample ID:			
Client ID:					
Operator ID:	rar	ALS Bottle#:	4	Worklist Smp#:	4
Injection Vol:	5.0 ul	Dil. Factor:	1.0000		
Method:	W-LVI-8270	Limit Group:	MB - 8270D ICAL		
Column:	RXI-5Sil MS (0.25 mm)	Detector	MS SCAN		

215 Indeno[1,2,3-cd]pyrene, CAS: 193-39-5

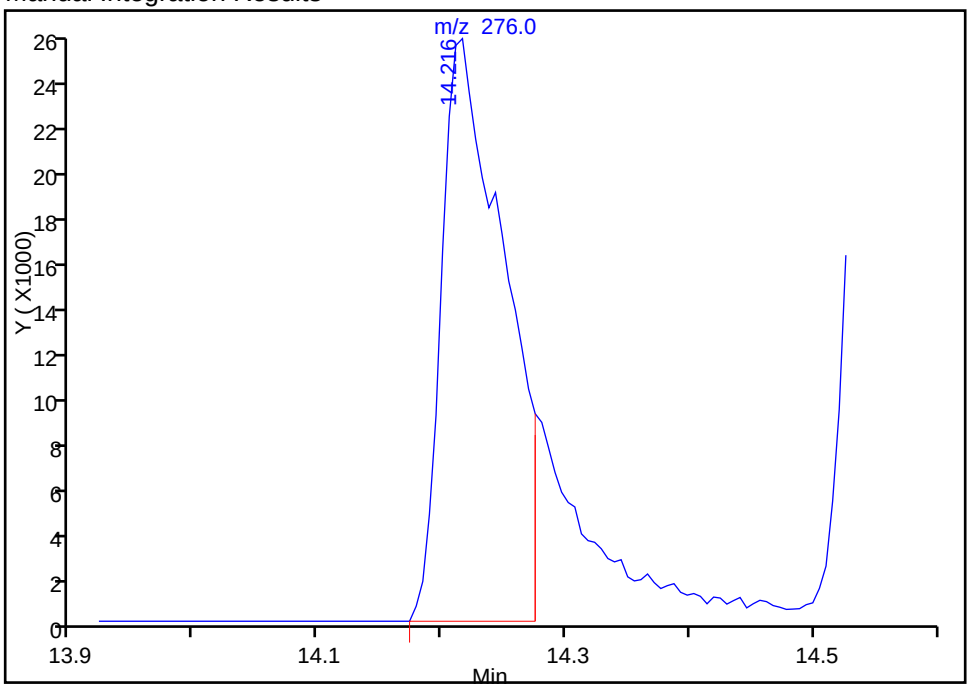
Processing Integration Results

RT: 14.22
Response: 110103
Amount: 0.525877



Manual Integration Results

RT: 14.22
Response: 91345
Amount: 0.452501



Reviewer: mckernar, 06-Mar-2014 15:17:17
Audit Action: Split an Integrated Peak
Audit Reason: Coelution

TestAmerica Buffalo
Target Compound Quantitation Report

Data File: \\Bufchrom\ChromData\HP5973W\20140306-29988.b\W04762.D
Lims ID: IC 8270LVI - 2 Lab Sample ID:
Client ID:
Sample Type: IC Calib Level: 3
Inject. Date: 06-Mar-2014 13:57:30 ALS Bottle#: 5 Worklist Smp#: 5
Injection Vol: 5.0 ul Dil. Factor: 1.0000
Sample Info: 480-0029988-005
Operator ID: rar Instrument ID: HP5973W
Sublist: chrom-W-LVI-8270*sub18

Method: \\Bufchrom\ChromData\HP5973W\20140306-29988.b\W-LVI-8270.m
Limit Group: MB - 8270D ICAL
Last Update: 06-Mar-2014 15:17:03 Calib Date: 06-Mar-2014 14:45:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\Bufchrom\ChromData\HP5973W\20140306-29988.b\W04764.D

Column 1 : RXI-5Sil MS (0.25 mm) Det: MS SCAN
Process Host: XAWRK022

First Level Reviewer: mckernar Date: 06-Mar-2014 14:19:26

	Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	On-Col Amt ng/uL	Flags
*	1 1,4-Dichlorobenzene-d4	152	5.461	5.461	0.0	96	243888	4.00	
*	2 Naphthalene-d8	136	6.502	6.502	0.0	99	890466	4.00	
*	3 Acenaphthene-d10	164	7.945	7.945	0.0	93	479886	4.00	
*	4 Phenanthrene-d10	188	9.163	9.163	0.0	97	807698	4.00	
*	5 Chrysene-d12	240	11.364	11.364	0.0	80	868464	4.00	
*	6 Perylene-d12	264	12.902	12.902	0.0	83	855192	4.00	
$	7 2-Fluorophenol	112	4.430	4.430	0.0	89	158222	2.09	
$	8 Phenol-d5	99	5.236	5.236	0.0	0	204532	2.14	
$	9 Nitrobenzene-d5	82	5.915	5.915	0.0	87	175126	2.09	
$	10 2-Fluorobiphenyl	172	7.400	7.400	0.0	99	326704	2.13	
$	11 2,4,6-Tribromophenol	330	8.602	8.602	0.0	88	52113	1.98	
$	12 p-Terphenyl-d14	244	10.482	10.482	0.0	98	340436	2.07	
	55 1,4-Dioxane	88	2.875	2.875	0.0	91	66954	1.93	
	53 N-Nitrosodimethylamine	42	3.153	3.153	0.0	84	59555	2.02	
	52 Pyridine	52	3.179	3.179	0.0	98	106841	2.09	
	69 Aniline	93	5.204	5.204	0.0	98	252431	2.10	
	72 Phenol	94	5.247	5.247	0.0	97	215111	2.15	
	74 Bis(2-chloroethyl)ether	93	5.258	5.258	0.0	92	164908	2.04	
	75 2-Chlorophenol	128	5.306	5.306	0.0	96	170503	2.12	
	78 1,3-Dichlorobenzene	146	5.413	5.413	0.0	97	182508	2.06	
	77 1,4-Dichlorobenzene	146	5.477	5.477	0.0	94	186476	2.05	
	73 1,2-Dichlorobenzene	146	5.594	5.594	0.0	94	176801	2.05	
	79 Benzyl alcohol	108	5.600	5.600	0.0	85	97728	2.09	
	83 2,2'-oxybis[1-chloropropane]	45	5.701	5.701	0.0	93	203521	2.04	
	82 2-Methylphenol	108	5.722	5.722	0.0	91	146669	2.09	
	86 Acetophenone	105	5.797	5.797	0.0	97	216655	2.08	
	87 N-Nitrosodi-n-propylamine	70	5.808	5.808	0.0	83	112267	2.10	
	88 4-Methylphenol	108	5.856	5.856	0.0	95	154825	2.19	
	89 Hexachloroethane	117	5.872	5.872	0.0	96	77567	2.05	
	85 Nitrobenzene	77	5.931	5.931	0.0	80	174550	2.09	
	94 Isophorone	82	6.134	6.134	0.0	98	283020	2.22	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	On-Col Amt ng/uL	Flags
97 2-Nitrophenol	139	6.193	6.193	0.0	93	87430	2.08	
99 2,4-Dimethylphenol	107	6.267	6.267	0.0	96	156708	2.23	
103 Bis(2-chloroethoxy)methane	93	6.321	6.321	0.0	99	189035	2.09	
106 2,4-Dichlorophenol	162	6.412	6.412	0.0	95	127421	2.15	
100 1,2,4-Trichlorobenzene	180	6.454	6.454	0.0	94	155390	2.08	
107 Naphthalene	128	6.518	6.518	0.0	97	479373	2.09	
108 4-Chloroaniline	127	6.577	6.577	0.0	83	197981	2.17	
110 Hexachlorobutadiene	225	6.625	6.625	0.0	92	98524	2.08	
117 4-Chloro-3-methylphenol	107	7.021	7.021	0.0	87	129398	2.24	
121 2-Methylnaphthalene	142	7.085	7.085	0.0	86	305699	2.11	
236 1-Methylnaphthalene	142	7.165	7.165	0.0	0	281571	NC	
125 Hexachlorocyclopentadiene	237	7.218	7.218	0.0	95	88949	1.92	
124 1,2,4,5-Tetrachlorobenzene	216	7.224	7.224	0.0	94	154556	2.12	
127 2,4,6-Trichlorophenol	196	7.341	7.341	0.0	89	87592	2.13	
129 2,4,5-Trichlorophenol	196	7.389	7.389	0.0	96	104212	2.10	
130 1,1'-Biphenyl	154	7.475	7.475	0.0	96	353686	2.14	
131 2-Chloronaphthalene	162	7.485	7.485	0.0	97	277815	2.08	
132 2-Nitroaniline	65	7.592	7.592	0.0	83	81087	2.16	
134 Dimethyl phthalate	163	7.747	7.747	0.0	98	295125	2.07	
139 1,3-Dinitrobenzene	168	7.768	7.768	0.0	88	54775	2.10	
135 2,6-Dinitrotoluene	165	7.790	7.790	0.0	87	70008	2.11	
137 Acenaphthylene	152	7.827	7.827	0.0	89	443137	2.05	
140 3-Nitroaniline	138	7.939	7.939	0.0	93	75736	2.14	
141 Acenaphthene	153	7.971	7.971	0.0	94	286572	2.05	
142 2,4-Dinitrophenol	184	8.020	8.020	0.0	80	72392	4.02	
145 Dibenzofuran	168	8.116	8.116	0.0	88	409475	2.07	
144 2,4-Dinitrotoluene	165	8.121	8.121	0.0	84	90822	2.13	
143 4-Nitrophenol	109	8.148	8.148	0.0	83	61500	3.85	
147 2,3,4,6-Tetrachlorophenol	232	8.233	8.233	0.0	70	79073	1.95	
149 Diethyl phthalate	149	8.329	8.329	0.0	97	298710	2.07	
151 Fluorene	166	8.394	8.394	0.0	86	321925	2.05	
152 4-Chlorophenyl phenyl ether	204	8.404	8.404	0.0	89	164914	2.05	
153 4-Nitroaniline	138	8.447	8.447	0.0	75	69214	2.33	
154 4,6-Dinitro-2-methylphenol	198	8.452	8.452	0.0	85	107118	3.91	
158 Azobenzene	77	8.532	8.532	0.0	98	323330	2.14	
159 1,2-Diphenylhydrazine	77	8.532	8.532	0.0	96	323330	2.08	
164 4-Bromophenyl phenyl ether	248	8.805	8.805	0.0	59	95967	2.09	
168 Hexachlorobenzene	284	8.842	8.842	0.0	88	107917	2.08	
172 Pentachlorophenol	266	9.024	9.024	0.0	88	98309	4.52	
177 Phenanthrene	178	9.179	9.179	0.0	96	427899	2.05	
180 Anthracene	178	9.222	9.222	0.0	98	441681	2.03	
181 Carbazole	167	9.371	9.371	0.0	82	392160	2.08	
184 Di-n-butyl phthalate	149	9.670	9.670	0.0	100	475264	2.14	
191 Fluoranthene	202	10.151	10.151	0.0	98	475534	2.11	
193 Pyrene	202	10.338	10.338	0.0	98	483623	2.05	
200 Butyl benzyl phthalate	149	10.894	10.894	0.0	96	196797	2.04	
205 Benzo[a]anthracene	228	11.353	11.353	0.0	98	442164	2.00	
207 Chrysene	228	11.385	11.385	0.0	89	463924	2.00	
206 Bis(2-ethylhexyl) phthalate	149	11.417	11.417	0.0	95	291344	2.04	
208 Di-n-octyl phthalate	149	12.080	12.080	0.0	99	486638	1.98	
209 Benzo[b]fluoranthene	252	12.459	12.459	0.0	91	449306	2.15	
211 Benzo[k]fluoranthene	252	12.491	12.491	0.0	89	501920	2.07	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	On-Col Amt ng/uL	Flags
213 Benzo[a]pyrene	252	12.833	12.833	0.0	73	442619	2.07	
215 Indeno[1,2,3-cd]pyrene	276	14.206	14.206	0.0	95	366733	1.71	M
216 Dibenz(a,h)anthracene	278	14.249	14.249	0.0	59	437392	2.08	
217 Benzo[g,h,i]perylene	276	14.537	14.537	0.0	90	422976	2.03	
240 Hexadecane	57	9.104	9.104	0.0	79	181212	NR	
S 218 3 & 4 Methylphenol	108				0		2.19	
S 219 3-Methylphenol	1				0		2.19	
S 220 Total Cresols	1				0		4.29	

QC Flag Legend

Review Flags
M - Manually Integrated

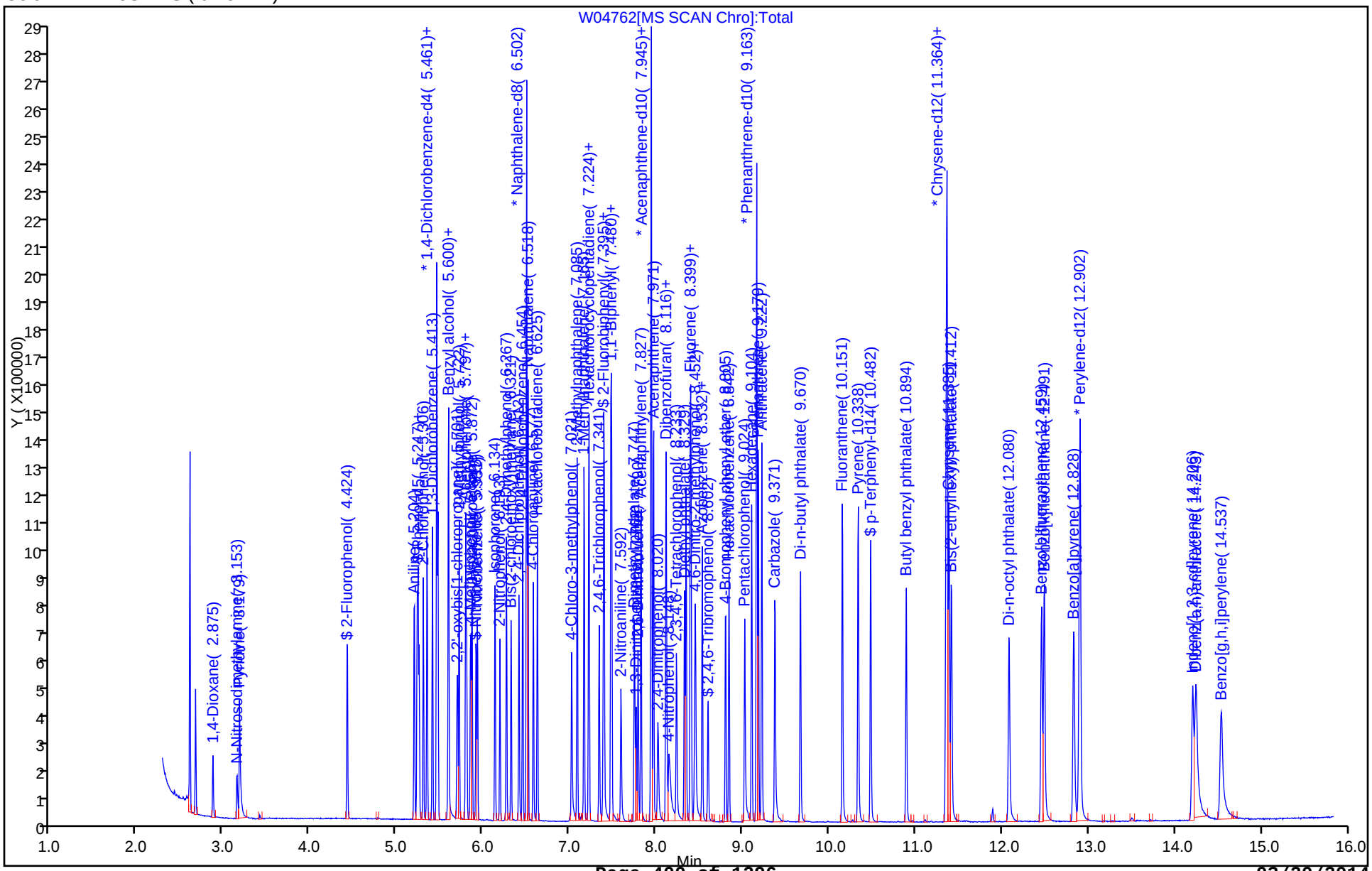
Report Date: 06-Mar-2014 15:17:04 Chrom Revision: 2.1 17-Feb-2014 09:05:58

TestAmerica Buffalo

Data File: \\Bufchrom\ChromData\HP5973W\20140306-29988.b\W04762.D

Injection Date:	06-Mar-2014 13:57:30	Instrument ID:	HP5973W	Operator ID:	rar
Lims ID:	IC 8270LVI - 2	Lab Sample ID:		Worklist Smp#:	5
Client ID:					
Injection Vol:	5.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	5
Method:	W-LVI-8270	Limit Group:	MB - 8270D ICAL		

Column: RXI-5Sil MS (0.25 mm)



Manual Integration/User Assign Peak Report

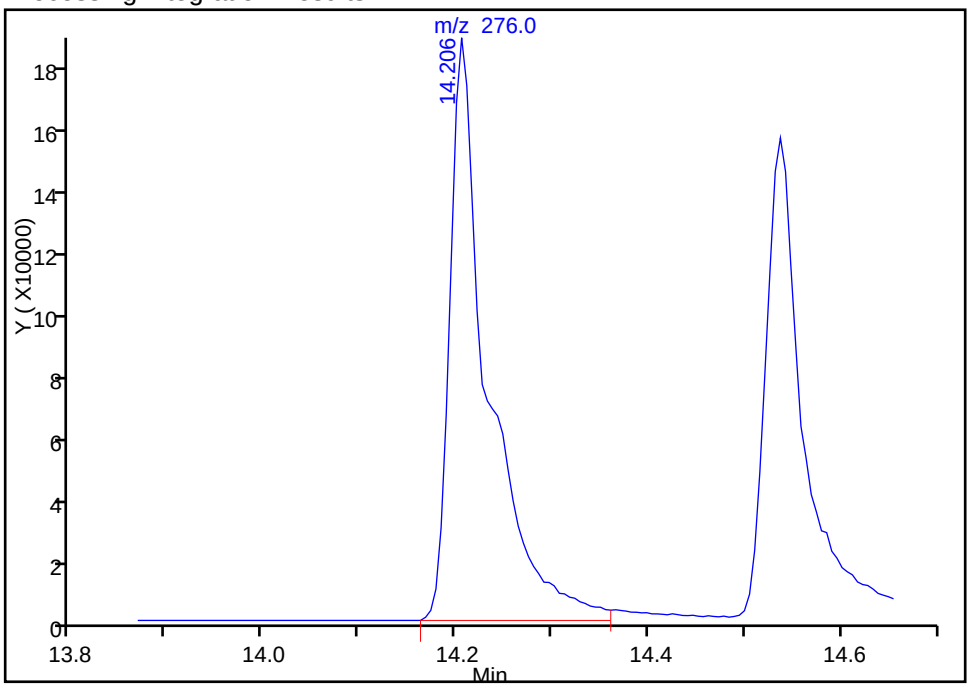
TestAmerica Buffalo

Data File:	\\Bufchrom\ChromData\HP5973W\20140306-29988.b\W04762.D				
Injection Date:	06-Mar-2014 13:57:30	Instrument ID:	HP5973W		
Lims ID:	IC 8270LVI - 2	Lab Sample ID:			
Client ID:					
Operator ID:	rar	ALS Bottle#:	5	Worklist Smp#:	5
Injection Vol:	5.0 ul	Dil. Factor:	1.0000		
Method:	W-LVI-8270	Limit Group:	MB - 8270D ICAL		
Column:	RXI-5Sil MS (0.25 mm)	Detector	MS SCAN		

215 Indeno[1,2,3-cd]pyrene, CAS: 193-39-5

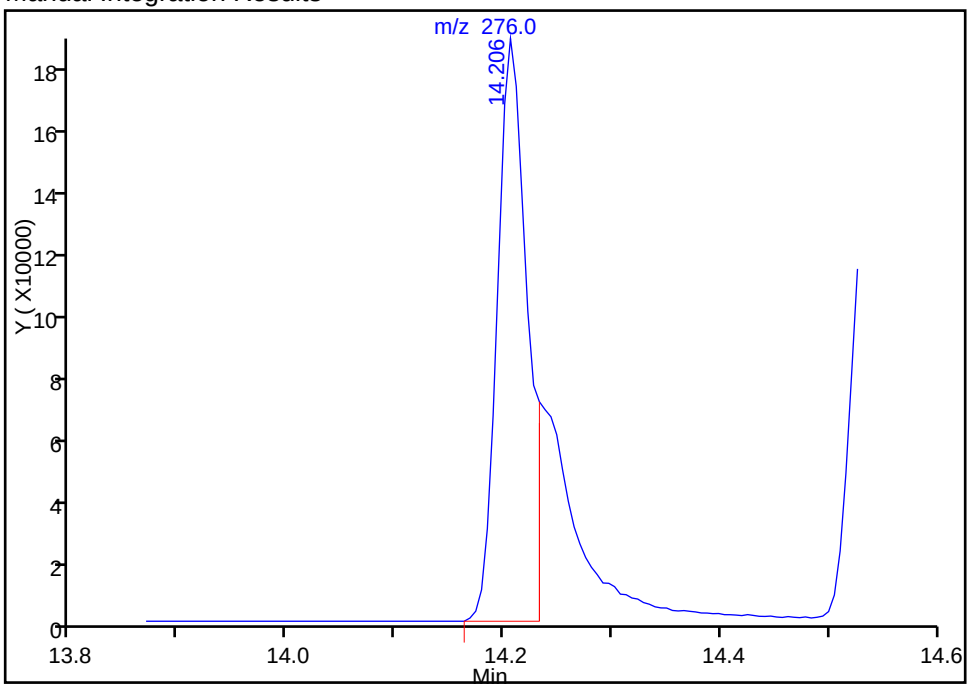
Processing Integration Results

RT: 14.21
Response: 524329
Amount: 2.277472



Manual Integration Results

RT: 14.21
Response: 366733
Amount: 1.709993



Reviewer: mckernar, 06-Mar-2014 15:17:03
Audit Action: Split an Integrated Peak
Audit Reason: Coelution

TestAmerica Buffalo
Target Compound Quantitation Report

Data File: \\Bufchrom\ChromData\HP5973W\20140306-29988.b\W04763.D
Lims ID: ICIS 8270LVI - 5 Lab Sample ID:
Client ID:
Sample Type: ICIS Calib Level: 4
Inject. Date: 06-Mar-2014 14:21:30 ALS Bottle#: 6 Worklist Smp#: 6
Injection Vol: 5.0 ul Dil. Factor: 1.0000
Sample Info: 480-0029988-006
Operator ID: rar Instrument ID: HP5973W
Sublist: chrom-W-LVI-8270*sub18

Method: \\Bufchrom\ChromData\HP5973W\20140306-29988.b\W-LVI-8270.m
Limit Group: MB - 8270D ICAL
Last Update: 06-Mar-2014 15:15:54 Calib Date: 06-Mar-2014 14:45:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\Bufchrom\ChromData\HP5973W\20140306-29988.b\W04764.D

Column 1 : RXI-5Sil MS (0.25 mm) Det: MS SCAN
Process Host: XAWRK022

First Level Reviewer: mckernar Date: 06-Mar-2014 15:15:54

	Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	On-Col Amt ng/uL	Flags
*	1 1,4-Dichlorobenzene-d4	152	5.466	5.466	0.0	94	250011	4.00	
*	2 Naphthalene-d8	136	6.502	6.502	0.0	99	925435	4.00	
*	3 Acenaphthene-d10	164	7.945	7.945	0.0	93	480142	4.00	
*	4 Phenanthrene-d10	188	9.163	9.163	0.0	97	828760	4.00	
*	5 Chrysene-d12	240	11.369	11.369	0.0	80	858251	4.00	
*	6 Perylene-d12	264	12.902	12.902	0.0	83	874537	4.00	
$	7 2-Fluorophenol	112	4.430	4.430	0.0	91	393340	5.08	
$	8 Phenol-d5	99	5.242	5.242	0.0	0	505592	5.17	
$	9 Nitrobenzene-d5	82	5.920	5.920	0.0	87	435071	5.00	
$	10 2-Fluorobiphenyl	172	7.400	7.400	0.0	99	798669	5.21	
$	11 2,4,6-Tribromophenol	330	8.602	8.602	0.0	89	140061	5.02	
$	12 p-Terphenyl-d14	244	10.482	10.482	0.0	99	846972	5.20	
	55 1,4-Dioxane	88	2.875	2.875	0.0	93	165769	4.66	
	53 N-Nitrosodimethylamine	42	3.158	3.158	0.0	84	158543	5.07	
	52 Pyridine	52	3.179	3.179	0.0	96	270721	5.06	
	69 Aniline	93	5.204	5.204	0.0	98	617267	5.00	
	72 Phenol	94	5.252	5.252	0.0	96	522818	5.09	
	74 Bis(2-chloroethyl)ether	93	5.263	5.263	0.0	85	408014	4.93	
	75 2-Chlorophenol	128	5.311	5.311	0.0	96	418940	5.08	
	78 1,3-Dichlorobenzene	146	5.413	5.413	0.0	97	448337	4.93	
	77 1,4-Dichlorobenzene	146	5.477	5.477	0.0	84	447367	4.79	
	73 1,2-Dichlorobenzene	146	5.599	5.599	0.0	96	428814	4.86	
	79 Benzyl alcohol	108	5.610	5.610	0.0	91	261224	5.31	
	83 2,2'-oxybis[1-chloropropane]	45	5.701	5.701	0.0	93	501036	4.91	
	82 2-Methylphenol	108	5.728	5.728	0.0	94	368253	5.13	
	86 Acetophenone	105	5.803	5.803	0.0	97	538332	5.04	
	87 N-Nitrosodi-n-propylamine	70	5.819	5.819	0.0	83	284666	5.20	
	88 4-Methylphenol	108	5.856	5.856	0.0	94	380180	5.25	
	89 Hexachloroethane	117	5.872	5.872	0.0	96	189666	4.90	
	85 Nitrobenzene	77	5.936	5.936	0.0	81	434381	5.01	
	94 Isophorone	82	6.139	6.139	0.0	98	695319	5.25	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	On-Col Amt ng/uL	Flags
97 2-Nitrophenol	139	6.198	6.198	0.0	91	225276	5.15	
99 2,4-Dimethylphenol	107	6.273	6.273	0.0	96	379757	5.20	
103 Bis(2-chloroethoxy)methane	93	6.326	6.326	0.0	99	465003	4.95	
106 2,4-Dichlorophenol	162	6.417	6.417	0.0	93	319937	5.08	
100 1,2,4-Trichlorobenzene	180	6.460	6.460	0.0	94	381981	4.92	
107 Naphthalene	128	6.518	6.518	0.0	98	1135694	4.76	
108 4-Chloroaniline	127	6.582	6.582	0.0	84	488751	5.16	
110 Hexachlorobutadiene	225	6.625	6.625	0.0	93	239240	4.86	
117 4-Chloro-3-methylphenol	107	7.021	7.021	0.0	88	326418	5.43	
121 2-Methylnaphthalene	142	7.090	7.090	0.0	85	735428	4.88	
236 1-Methylnaphthalene	142	7.170	7.170	0.0	0	691044	NC	
125 Hexachlorocyclopentadiene	237	7.224	7.224	0.0	89	247049	5.11	
124 1,2,4,5-Tetrachlorobenzene	216	7.229	7.229	0.0	93	385683	5.28	
127 2,4,6-Trichlorophenol	196	7.341	7.341	0.0	91	231579	5.63	
129 2,4,5-Trichlorophenol	196	7.389	7.389	0.0	95	252428	4.91	
130 1,1'-Biphenyl	154	7.480	7.480	0.0	96	863496	5.23	
131 2-Chloronaphthalene	162	7.491	7.491	0.0	96	691608	5.17	
132 2-Nitroaniline	65	7.597	7.597	0.0	84	209936	5.58	
134 Dimethyl phthalate	163	7.758	7.758	0.0	98	741096	5.19	
139 1,3-Dinitrobenzene	168	7.774	7.774	0.0	85	139742	5.05	
135 2,6-Dinitrotoluene	165	7.795	7.795	0.0	72	177216	5.34	
137 Acenaphthylene	152	7.827	7.827	0.0	89	1094563	5.05	
140 3-Nitroaniline	138	7.945	7.945	0.0	52	199028	5.62	
141 Acenaphthene	153	7.971	7.971	0.0	94	705111	5.03	
142 2,4-Dinitrophenol	184	8.025	8.025	0.0	83	225453	12.5	
145 Dibenzofuran	168	8.116	8.116	0.0	85	979090	4.96	
144 2,4-Dinitrotoluene	165	8.126	8.126	0.0	86	232163	5.45	
143 4-Nitrophenol	109	8.148	8.148	0.0	84	177551	11.1	
147 2,3,4,6-Tetrachlorophenol	232	8.239	8.239	0.0	68	214199	5.09	
149 Diethyl phthalate	149	8.335	8.335	0.0	97	738219	5.11	
151 Fluorene	166	8.399	8.399	0.0	84	778790	4.95	
152 4-Chlorophenyl phenyl ether	204	8.410	8.410	0.0	91	403422	5.00	
153 4-Nitroaniline	138	8.458	8.458	0.0	83	165473	5.57	
154 4,6-Dinitro-2-methylphenol	198	8.463	8.463	0.0	87	300820	10.1	
158 Azobenzene	77	8.538	8.538	0.0	98	784416	5.05	
159 1,2-Diphenylhydrazine	77	8.538	8.538	0.0	97	784416	5.05	
164 4-Bromophenyl phenyl ether	248	8.805	8.805	0.0	60	240003	5.09	
168 Hexachlorobenzene	284	8.848	8.848	0.0	90	269274	5.06	
172 Pentachlorophenol	266	9.029	9.029	0.0	90	297055	13.3	
177 Phenanthrene	178	9.184	9.184	0.0	98	1060594	4.96	
180 Anthracene	178	9.227	9.227	0.0	97	1087091	4.86	
181 Carbazole	167	9.376	9.376	0.0	82	968876	5.01	
184 Di-n-butyl phthalate	149	9.670	9.670	0.0	100	1163857	5.10	
191 Fluoranthene	202	10.156	10.156	0.0	98	1161205	5.01	
193 Pyrene	202	10.338	10.338	0.0	96	1194162	5.11	
200 Butyl benzyl phthalate	149	10.894	10.894	0.0	96	509386	5.35	
205 Benzo[a]anthracene	228	11.358	11.358	0.0	98	1145768	5.25	
207 Chrysene	228	11.390	11.390	0.0	93	1136435	4.95	
206 Bis(2-ethylhexyl) phthalate	149	11.417	11.417	0.0	81	745087	5.27	
208 Di-n-octyl phthalate	149	12.085	12.085	0.0	99	1260792	5.08	
209 Benzo[b]fluoranthene	252	12.464	12.464	0.0	93	1153993	5.39	
211 Benzo[k]fluoranthene	252	12.502	12.502	0.0	90	1287759	5.18	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	On-Col Amt ng/uL	Flags
213 Benzo[a]pyrene	252	12.838	12.838	0.0	75	1161975	5.32	
215 Indeno[1,2,3-cd]pyrene	276	14.222	14.222	0.0	99	1063008	4.34	
216 Dibenz(a,h)anthracene	278	14.254	14.254	0.0	68	1178485	5.48	
217 Benzo[g,h,i]perylene	276	14.553	14.553	0.0	92	1150263	5.40	
240 Hexadecane	57	9.104	9.104	0.0	80	436087	NR	
S 218 3 & 4 Methylphenol	108				0		5.25	
S 219 3-Methylphenol	1				0		5.25	
S 220 Total Cresols	1				0		10.4	

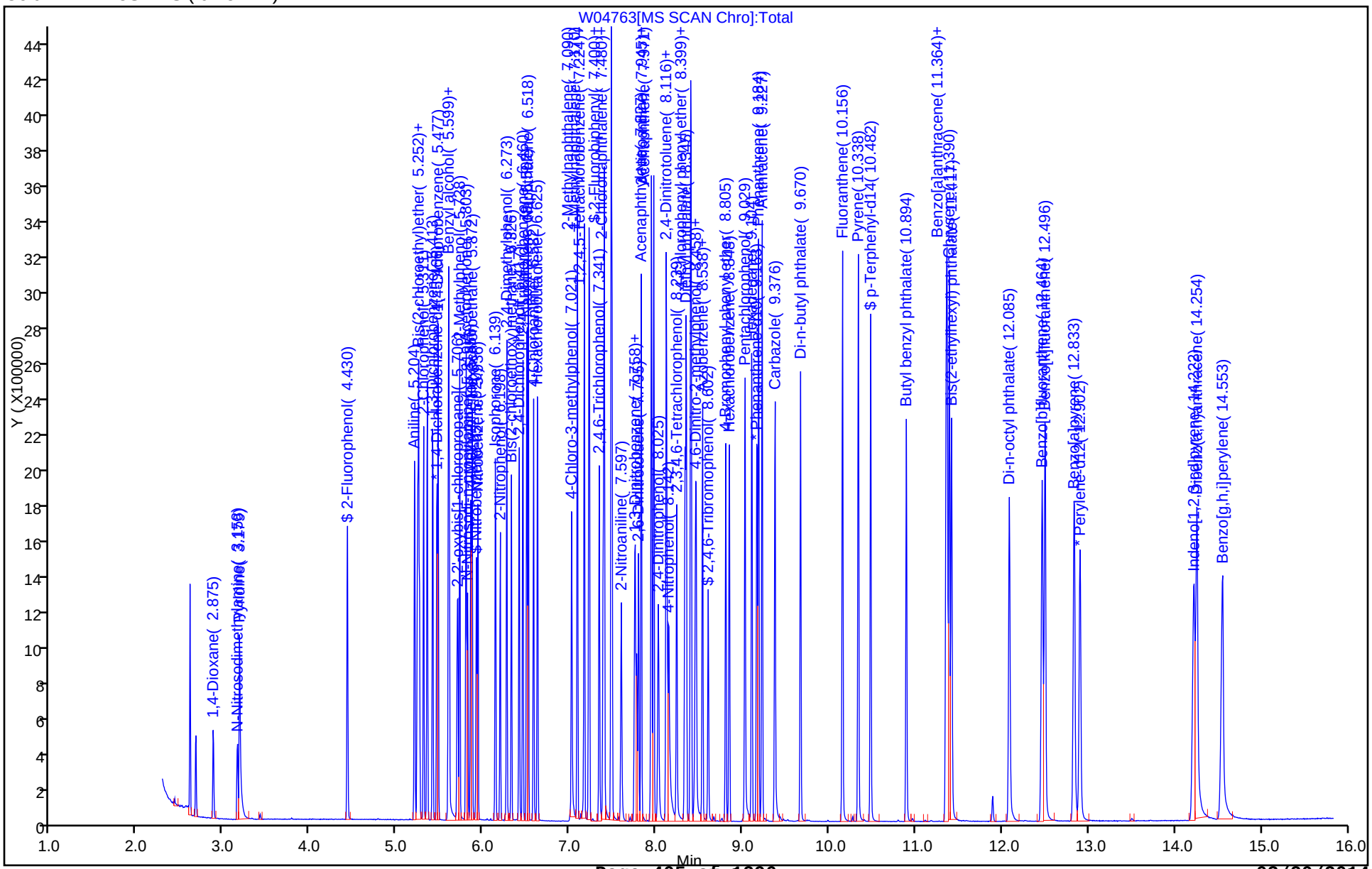
Report Date: 06-Mar-2014 15:15:54 Chrom Revision: 2.1 17-Feb-2014 09:05:58

TestAmerica Buffalo

Data File: \\Bufchrom\ChromData\HP5973W\20140306-29988.b\W04763.D

Injection Date:	06-Mar-2014 14:21:30	Instrument ID:	HP5973W	Operator ID:	rar
Lims ID:	ICIS 8270LVI - 5	Lab Sample ID:		Worklist Smp#:	6
Client ID:					
Injection Vol:	5.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	6
Method:	W-LVI-8270	Limit Group:	MB - 8270D ICAL		

Column: RXI-5Sil MS (0.25 mm)



TestAmerica Buffalo
Target Compound Quantitation Report

Data File: \\Bufchrom\ChromData\HP5973W\20140306-29988.b\W04764.D
Lims ID: IC 8270LVI - 8 Lab Sample ID:
Client ID:
Sample Type: IC Calib Level: 5
Inject. Date: 06-Mar-2014 14:45:30 ALS Bottle#: 7 Worklist Smp#: 7
Injection Vol: 5.0 ul Dil. Factor: 1.0000
Sample Info: 480-0029988-007
Operator ID: rar Instrument ID: HP5973W
Sublist: chrom-W-LVI-8270*sub18

Method: \\Bufchrom\ChromData\HP5973W\20140306-29988.b\W-LVI-8270.m
Limit Group: MB - 8270D ICAL
Last Update: 06-Mar-2014 15:17:55 Calib Date: 06-Mar-2014 14:45:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\Bufchrom\ChromData\HP5973W\20140306-29988.b\W04764.D

Column 1 : RXI-5Sil MS (0.25 mm) Det: MS SCAN
Process Host: XAWRK022

First Level Reviewer: mckernar Date: 06-Mar-2014 15:17:55

	Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	On-Col Amt ng/uL	Flags
*	1 1,4-Dichlorobenzene-d4	152	5.466	5.461	0.005	95	256998	4.00	
*	2 Naphthalene-d8	136	6.502	6.502	0.0	99	939441	4.00	
*	3 Acenaphthene-d10	164	7.945	7.945	0.0	93	485202	4.00	
*	4 Phenanthrene-d10	188	9.168	9.163	0.005	97	834337	4.00	
*	5 Chrysene-d12	240	11.369	11.364	0.005	79	870604	4.00	
*	6 Perylene-d12	264	12.908	12.902	0.006	83	894439	4.00	
$	7 2-Fluorophenol	112	4.430	4.430	0.0	91	607440	7.62	
$	8 Phenol-d5	99	5.242	5.236	0.006	0	791285	7.87	
$	9 Nitrobenzene-d5	82	5.925	5.915	0.010	87	689741	7.80	
$	10 2-Fluorobiphenyl	172	7.405	7.400	0.005	99	1252755	8.09	
$	11 2,4,6-Tribromophenol	330	8.607	8.602	0.005	88	226616	8.01	
$	12 p-Terphenyl-d14	244	10.482	10.482	0.0	98	1339226	8.11	
	55 1,4-Dioxane	88	2.870	2.875	-0.005	93	258292	7.06	
	53 N-Nitrosodimethylamine	42	3.158	3.153	0.005	90	256092	7.92	
	52 Pyridine	52	3.174	3.179	-0.005	95	433585	7.85	
	69 Aniline	93	5.210	5.204	0.006	98	951034	7.49	
	72 Phenol	94	5.258	5.247	0.011	93	800961	7.59	
	74 Bis(2-chloroethyl)ether	93	5.263	5.258	0.005	83	632597	7.44	
	75 2-Chlorophenol	128	5.311	5.306	0.005	97	662499	7.81	
	78 1,3-Dichlorobenzene	146	5.418	5.413	0.005	97	701041	7.49	
	77 1,4-Dichlorobenzene	146	5.482	5.477	0.005	94	717578	7.47	
	73 1,2-Dichlorobenzene	146	5.599	5.594	0.005	95	667134	7.35	
	79 Benzyl alcohol	108	5.616	5.600	0.016	91	387103	7.62	
	83 2,2'-oxybis[1-chloropropane]	45	5.706	5.701	0.005	93	774872	7.39	
	82 2-Methylphenol	108	5.733	5.722	0.011	92	580276	7.86	
	86 Acetophenone	105	5.808	5.797	0.011	98	839519	7.64	
	87 N-Nitrosodi-n-propylamine	70	5.829	5.808	0.021	82	441907	7.85	
	88 4-Methylphenol	108	5.861	5.856	0.005	92	604977	8.13	
	89 Hexachloroethane	117	5.872	5.872	0.0	97	289554	7.27	
	85 Nitrobenzene	77	5.941	5.931	0.010	82	671328	7.63	
	94 Isophorone	82	6.144	6.134	0.010	97	1079153	8.03	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	On-Col Amt ng/uL	Flags
97 2-Nitrophenol	139	6.198	6.193	0.006	95	357839	8.06	
99 2,4-Dimethylphenol	107	6.278	6.267	0.011	95	601541	8.11	
103 Bis(2-chloroethoxy)methane	93	6.331	6.321	0.010	98	734399	7.71	
106 2,4-Dichlorophenol	162	6.417	6.412	0.005	94	500847	7.79	
100 1,2,4-Trichlorobenzene	180	6.460	6.454	0.006	91	589207	7.47	
107 Naphthalene	128	6.524	6.518	0.006	98	1697032	7.01	
108 4-Chloroaniline	127	6.588	6.577	0.011	85	777537	8.08	
110 Hexachlorobutadiene	225	6.631	6.625	0.006	91	376933	7.54	
117 4-Chloro-3-methylphenol	107	7.021	7.021	0.0	88	520100	8.53	
121 2-Methylnaphthalene	142	7.090	7.085	0.005	86	1119188	7.32	
236 1-Methylnaphthalene	142	7.170	7.165	0.005	0	1052221	NC	
125 Hexachlorocyclopentadiene	237	7.224	7.218	0.006	89	392714	7.96	
124 1,2,4,5-Tetrachlorobenzene	216	7.229	7.224	0.005	94	580212	7.86	
127 2,4,6-Trichlorophenol	196	7.346	7.341	0.005	90	376328	9.05	
129 2,4,5-Trichlorophenol	196	7.389	7.389	0.0	95	421806	8.03	
130 1,1'-Biphenyl	154	7.480	7.475	0.005	96	1289824	7.73	
131 2-Chloronaphthalene	162	7.491	7.485	0.006	98	1054610	7.80	
132 2-Nitroaniline	65	7.603	7.592	0.011	86	328654	8.64	
134 Dimethyl phthalate	163	7.763	7.747	0.016	97	1170493	8.11	
139 1,3-Dinitrobenzene	168	7.784	7.768	0.016	88	222357	7.87	
135 2,6-Dinitrotoluene	165	7.800	7.790	0.010	71	287040	8.56	
137 Acenaphthylene	152	7.833	7.827	0.006	89	1679807	7.67	
140 3-Nitroaniline	138	7.955	7.939	0.016	96	317361	8.87	
141 Acenaphthene	153	7.977	7.971	0.006	94	1077176	7.61	
142 2,4-Dinitrophenol	184	8.030	8.020	0.010	82	385855	21.2	
145 Dibenzofuran	168	8.121	8.116	0.005	86	1485292	7.44	
144 2,4-Dinitrotoluene	165	8.132	8.121	0.011	92	371790	8.63	
143 4-Nitrophenol	109	8.153	8.148	0.005	86	294062	18.2	
147 2,3,4,6-Tetrachlorophenol	232	8.239	8.233	0.006	69	340681	7.95	
149 Diethyl phthalate	149	8.340	8.329	0.011	97	1120381	7.67	
151 Fluorene	166	8.404	8.394	0.010	83	1172024	7.38	
152 4-Chlorophenyl phenyl ether	204	8.410	8.404	0.006	89	602751	7.39	
153 4-Nitroaniline	138	8.463	8.447	0.016	83	249650	8.32	
154 4,6-Dinitro-2-methylphenol	198	8.474	8.452	0.022	92	488823	16.0	
159 1,2-Diphenylhydrazine	77	8.538	8.532	0.006	97	1179032	7.52	
158 Azobenzene	77	8.538	8.532	0.006	99	1179032	7.54	
164 4-Bromophenyl phenyl ether	248	8.810	8.805	0.005	58	373572	7.86	
168 Hexachlorobenzene	284	8.853	8.842	0.011	90	421218	7.86	
172 Pentachlorophenol	266	9.035	9.024	0.011	87	481701	21.5	
177 Phenanthrene	178	9.189	9.179	0.010	98	1619410	7.52	
180 Anthracene	178	9.232	9.222	0.010	97	1680600	7.47	
181 Carbazole	167	9.376	9.371	0.005	82	1515205	7.78	
184 Di-n-butyl phthalate	149	9.670	9.670	0.0	100	1772332	7.71	
191 Fluoranthene	202	10.162	10.151	0.011	98	1771627	7.60	
193 Pyrene	202	10.343	10.338	0.005	97	1817567	7.67	
200 Butyl benzyl phthalate	149	10.894	10.894	0.0	96	799299	8.27	
205 Benzo[a]anthracene	228	11.358	11.353	0.005	99	1779323	8.03	
207 Chrysene	228	11.396	11.385	0.011	92	1780662	7.64	
206 Bis(2-ethylhexyl) phthalate	149	11.417	11.417	0.0	95	1196912	8.34	
208 Di-n-octyl phthalate	149	12.090	12.080	0.010	99	2013226	7.95	
209 Benzo[b]fluoranthene	252	12.475	12.459	0.016	87	1998154	9.13	
211 Benzo[k]fluoranthene	252	12.507	12.491	0.016	90	1961026	7.71	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	On-Col Amt ng/uL	Flags
213 Benzo[a]pyrene	252	12.844	12.833	0.011	74	1879353	8.41	
215 Indeno[1,2,3-cd]pyrene	276	14.233	14.206	0.027	99	1893747	9.21	M
216 Dibenz(a,h)anthracene	278	14.270	14.249	0.021	63	1919854	8.74	
217 Benzo[g,h,i]perylene	276	14.564	14.537	0.027	92	1863230	8.54	
240 Hexadecane	57	9.109	9.104	0.005	81	661157	NR	
S 220 Total Cresols	1				0		16.0	
S 218 3 & 4 Methylphenol	108				0		8.13	
S 219 3-Methylphenol	1				0		8.13	

QC Flag Legend

Review Flags
M - Manually Integrated

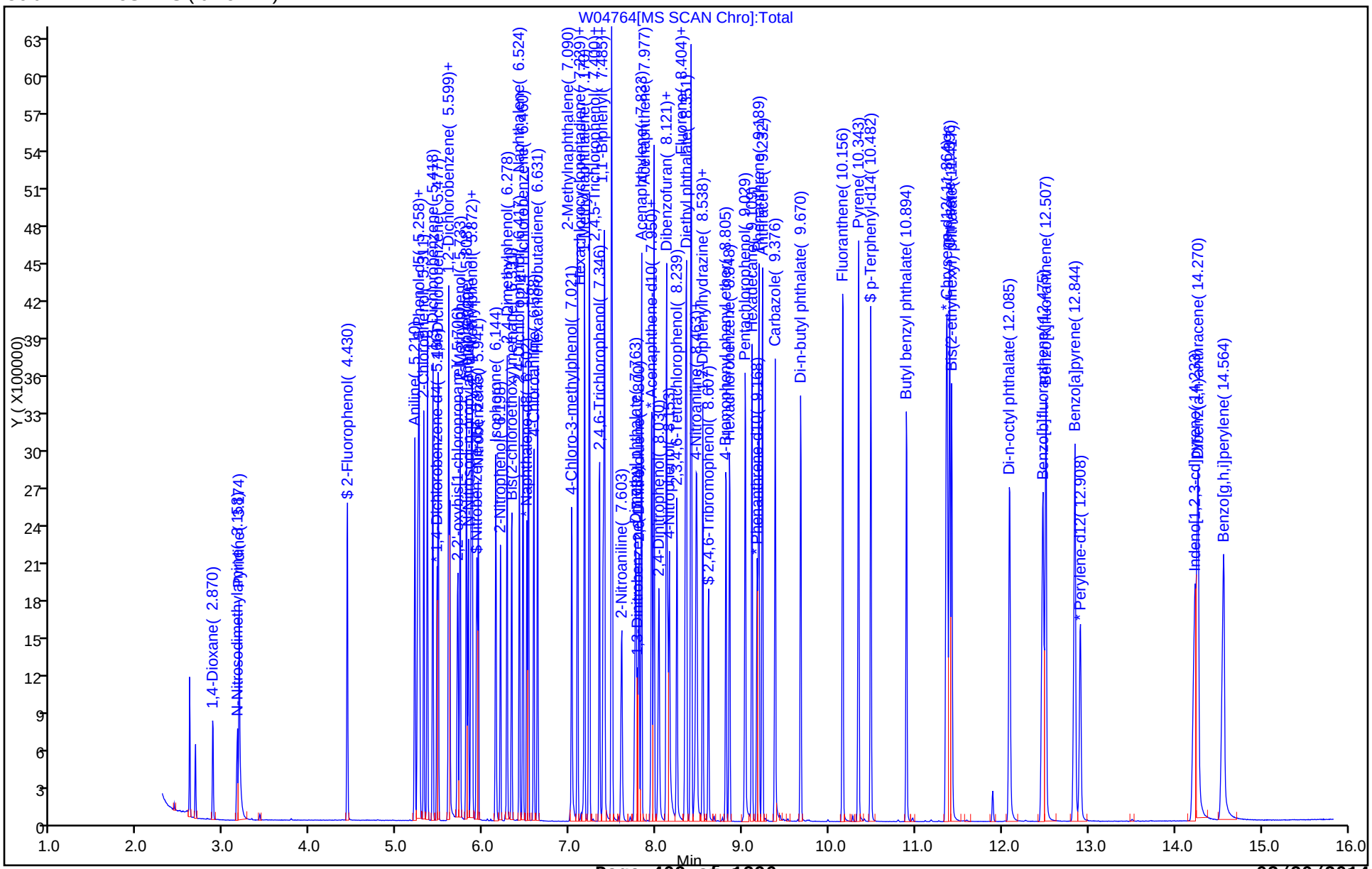
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TestAmerica Buffalo

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Injection Date:	06-Mar-2014 14:45:30	Instrument ID:	HP5973W	Operator ID:	rar
Lims ID:	IC 8270LVI - 8	Lab Sample ID:		Worklist Smp#:	7
Client ID:					
Injection Vol:	5.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	7
Method:	W-LVI-8270	Limit Group:	MB - 8270D ICAL		

Column: RXI-5Sil MS (0.25 mm)



Manual Integration/User Assign Peak Report

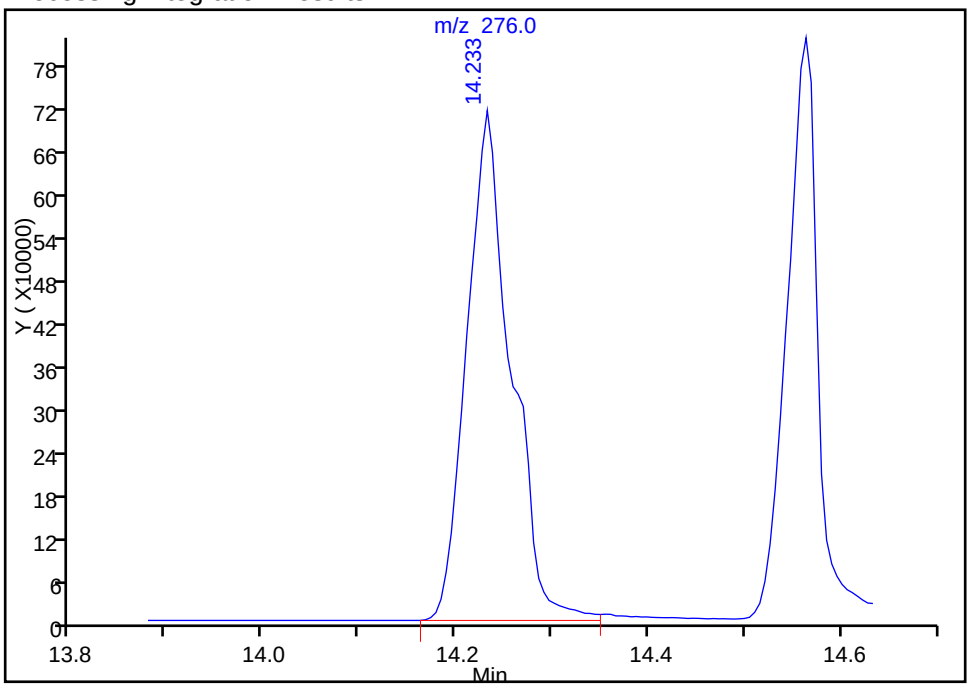
TestAmerica Buffalo

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Injection Date:	06-Mar-2014 14:45:30	Instrument ID:	HP5973W		
Lims ID:	IC 8270LVI - 8	Lab Sample ID:			
Client ID:					
Operator ID:	rar	ALS Bottle#:	7	Worklist Smp#:	7
Injection Vol:	5.0 ul	Dil. Factor:	1.0000		
Method:	W-LVI-8270	Limit Group:	MB - 8270D ICAL		
Column:	RXI-5Sil MS (0.25 mm)	Detector	MS SCAN		

215 Indeno[1,2,3-cd]pyrene, CAS: 193-39-5

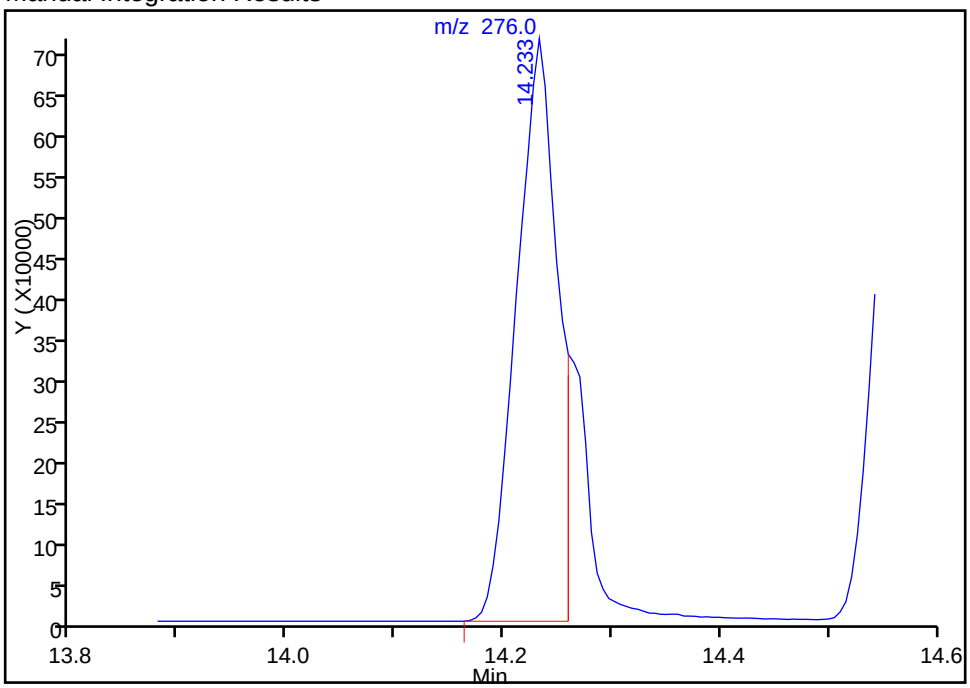
Processing Integration Results

RT: 14.23
Response: 2283821
Amount: 9.115536



Manual Integration Results

RT: 14.23
Response: 1893747
Amount: 9.209716



Reviewer: mckernar, 06-Mar-2014 15:16:28
Audit Action: Split an Integrated Peak
Audit Reason: Coelution

TestAmerica Buffalo
Target Compound Quantitation Report

Data File: \\Bufchrom\ChromData\HP5973W\20140306-29988.b\W04765.D
Lims ID: IC 8270LVI - 10 Lab Sample ID:
Client ID:
Sample Type: IC Calib Level: 6
Inject. Date: 06-Mar-2014 15:09:30 ALS Bottle#: 8 Worklist Smp#: 8
Injection Vol: 5.0 ul Dil. Factor: 1.0000
Sample Info: 480-0029988-008
Operator ID: rar Instrument ID: HP5973W
Sublist: chrom-W-LVI-8270*sub18

Method: \\Bufchrom\ChromData\HP5973W\20140306-29988.b\W-LVI-8270.m
Limit Group: MB - 8270D ICAL
Last Update: 06-Mar-2014 15:55:48 Calib Date: 06-Mar-2014 15:33:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\Bufchrom\ChromData\HP5973W\20140306-29988.b\W04766.D

Column 1 : RXI-5Sil MS (0.25 mm) Det: MS SCAN
Process Host: XAWRK022

First Level Reviewer: mckernar Date: 06-Mar-2014 15:38:12

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	On-Col Amt ng/uL	Flags
* 1 1,4-Dichlorobenzene-d4	152	5.466	5.461	0.005	95	254979	4.00	
* 2 Naphthalene-d8	136	6.508	6.502	0.006	99	949143	4.00	
* 3 Acenaphthene-d10	164	7.950	7.945	0.005	92	493012	4.00	
* 4 Phenanthrene-d10	188	9.168	9.163	0.005	97	841712	4.00	
* 5 Chrysene-d12	240	11.374	11.364	0.010	81	867073	4.00	
* 6 Perylene-d12	264	12.908	12.902	0.006	83	921921	4.00	
$ 7 2-Fluorophenol	112	4.429	4.430	-0.001	92	752709	9.72	
$ 8 Phenol-d5	99	5.247	5.236	0.011	0	982110	9.97	
$ 9 Nitrobenzene-d5	82	5.925	5.915	0.010	87	870015	9.85	
$ 10 2-Fluorobiphenyl	172	7.405	7.400	0.005	98	1521458	9.91	
$ 11 2,4,6-Tribromophenol	330	8.607	8.602	0.005	89	278399	10.8	
$ 12 p-Terphenyl-d14	244	10.482	10.482	0.0	98	1650648	10.1	
55 1,4-Dioxane	88	2.875	2.875	0.0	92	315513	9.07	
53 N-Nitrosodimethylamine	42	3.163	3.153	0.010	90	317516	10.1	
52 Pyridine	52	3.179	3.179	0.0	95	526396	10.4	
69 Aniline	93	5.215	5.204	0.011	98	1186676	9.67	
72 Phenol	94	5.258	5.247	0.011	97	931380	9.27	
74 Bis(2-chloroethyl)ether	93	5.263	5.258	0.005	85	774206	9.51	
75 2-Chlorophenol	128	5.316	5.306	0.010	96	824002	9.95	
78 1,3-Dichlorobenzene	146	5.418	5.413	0.005	97	868620	9.62	
77 1,4-Dichlorobenzene	146	5.482	5.477	0.005	94	866979	9.42	
73 1,2-Dichlorobenzene	146	5.599	5.594	0.005	95	830493	9.55	
79 Benzyl alcohol	108	5.621	5.600	0.021	91	483224	9.84	
83 2,2'-oxybis[1-chloropropane]	45	5.706	5.701	0.005	93	951741	9.45	
82 2-Methylphenol	108	5.738	5.722	0.016	91	745701	10.2	
86 Acetophenone	105	5.808	5.797	0.011	96	1048644	9.79	
87 N-Nitrosodi-n-propylamine	70	5.834	5.808	0.026	79	553376	10.0	
88 4-Methylphenol	108	5.861	5.856	0.005	93	745600	10.3	
89 Hexachloroethane	117	5.872	5.872	0.0	98	352506	9.45	
85 Nitrobenzene	77	5.947	5.931	0.016	79	822268	9.52	
94 Isophorone	82	6.150	6.134	0.016	97	1350649	9.97	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	On-Col Amt ng/uL	Flags
97 2-Nitrophenol	139	6.203	6.193	0.011	92	445041	9.99	
99 2,4-Dimethylphenol	107	6.278	6.267	0.011	96	744183	10.0	
103 Bis(2-chloroethoxy)methane	93	6.331	6.321	0.010	99	896883	9.61	
106 2,4-Dichlorophenol	162	6.422	6.412	0.010	93	631083	10.6	
100 1,2,4-Trichlorobenzene	180	6.460	6.454	0.006	91	738812	9.58	
107 Naphthalene	128	6.524	6.518	0.006	98	2079228	9.02	
108 4-Chloroaniline	127	6.588	6.577	0.011	84	945408	9.89	
110 Hexachlorobutadiene	225	6.630	6.625	0.005	92	466990	9.54	
117 4-Chloro-3-methylphenol	107	7.026	7.021	0.005	88	643300	10.4	
121 2-Methylnaphthalene	142	7.095	7.085	0.010	85	1376852	9.31	
236 1-Methylnaphthalene	142	7.175	7.165	0.010	0	1263895	NC	
125 Hexachlorocyclopentadiene	237	7.223	7.218	0.005	89	484124	9.99	
124 1,2,4,5-Tetrachlorobenzene	216	7.234	7.224	0.010	94	699987	9.69	
127 2,4,6-Trichlorophenol	196	7.346	7.341	0.005	91	469352	10.8	
129 2,4,5-Trichlorophenol	196	7.389	7.389	0.0	95	524296	10.1	
130 1,1'-Biphenyl	154	7.485	7.475	0.010	97	1502569	9.37	
131 2-Chloronaphthalene	162	7.496	7.485	0.011	98	1273146	9.68	
132 2-Nitroaniline	65	7.603	7.592	0.011	84	419597	10.6	
134 Dimethyl phthalate	163	7.768	7.747	0.021	99	1453550	9.98	
139 1,3-Dinitrobenzene	168	7.790	7.768	0.022	88	280573	10.7	
135 2,6-Dinitrotoluene	165	7.806	7.790	0.016	70	357680	10.4	
137 Acenaphthylene	152	7.832	7.827	0.005	88	2062561	9.57	
140 3-Nitroaniline	138	7.955	7.939	0.016	93	398218	10.7	
141 Acenaphthene	153	7.977	7.971	0.006	91	1325097	9.56	
142 2,4-Dinitrophenol	184	8.035	8.020	0.015	83	507176	20.2	
145 Dibenzofuran	168	8.121	8.116	0.005	88	1832659	9.39	
144 2,4-Dinitrotoluene	165	8.137	8.121	0.016	92	463732	10.5	
143 4-Nitrophenol	109	8.158	8.148	0.010	86	380984	22.0	
147 2,3,4,6-Tetrachlorophenol	232	8.244	8.233	0.011	66	435498	10.2	
149 Diethyl phthalate	149	8.340	8.329	0.011	97	1367178	9.56	
151 Fluorene	166	8.404	8.394	0.010	84	1386692	9.10	
152 4-Chlorophenyl phenyl ether	204	8.409	8.404	0.005	90	712530	9.20	
153 4-Nitroaniline	138	8.468	8.447	0.021	80	315244	10.5	
154 4,6-Dinitro-2-methylphenol	198	8.479	8.452	0.027	91	606948	19.8	
158 Azobenzene	77	8.543	8.532	0.011	98	1425730	9.37	
159 1,2-Diphenylhydrazine	77	8.543	8.532	0.011	97	1425730	9.31	
164 4-Bromophenyl phenyl ether	248	8.810	8.805	0.005	58	466672	9.86	
168 Hexachlorobenzene	284	8.853	8.842	0.011	90	519045	9.76	
172 Pentachlorophenol	266	9.034	9.024	0.010	87	591073	19.9	
177 Phenanthrene	178	9.189	9.179	0.010	98	2014595	9.54	
180 Anthracene	178	9.232	9.222	0.010	98	2047935	9.34	
181 Carbazole	167	9.382	9.371	0.011	82	1845142	9.66	
184 Di-n-butyl phthalate	149	9.670	9.670	0.0	100	2151048	9.56	
191 Fluoranthene	202	10.162	10.151	0.011	98	2179424	9.55	
193 Pyrene	202	10.343	10.338	0.005	96	2235336	9.73	
200 Butyl benzyl phthalate	149	10.899	10.894	0.005	95	990269	10.3	
205 Benzo[a]anthracene	228	11.358	11.353	0.005	98	2294921	10.4	
207 Chrysene	228	11.396	11.385	0.011	93	2133487	9.50	
206 Bis(2-ethylhexyl) phthalate	149	11.417	11.417	0.0	94	1465772	10.3	
208 Di-n-octyl phthalate	149	12.090	12.080	0.010	99	2504616	10.2	
209 Benzo[b]fluoranthene	252	12.480	12.459	0.021	93	2646091	11.2	
211 Benzo[k]fluoranthene	252	12.512	12.491	0.021	90	2374323	9.40	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	On-Col Amt ng/uL	Flags
213 Benzo[a]pyrene	252	12.849	12.833	0.016	74	2380501	10.3	
215 Indeno[1,2,3-cd]pyrene	276	14.243	14.206	0.037	95	2489786	11.1	M
216 Dibenz(a,h)anthracene	278	14.275	14.249	0.026	64	2449122	10.6	
217 Benzo[g,h,i]perylene	276	14.574	14.537	0.037	93	2354552	10.4	
240 Hexadecane	57	9.109	9.104	0.005	81	794288	NR	
S 218 3 & 4 Methylphenol	108				0		10.3	
S 219 3-Methylphenol	1				0		10.3	
S 220 Total Cresols	1				0		20.5	

QC Flag Legend

Review Flags
M - Manually Integrated

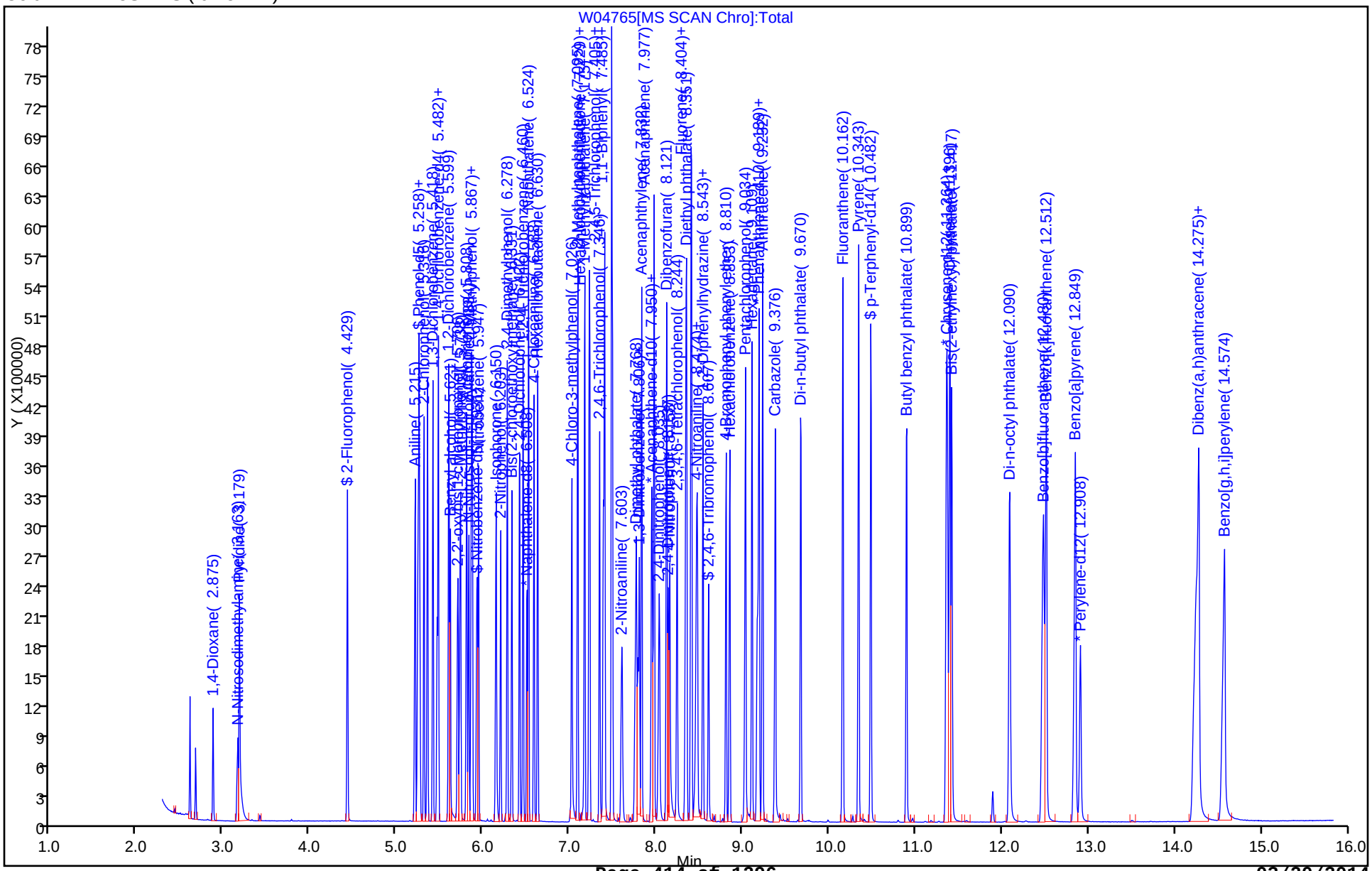
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TestAmerica Buffalo

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Injection Date:	06-Mar-2014 15:09:30	Instrument ID:	HP5973W	Operator ID:	rar
Lims ID:	IC 8270LVI - 10	Lab Sample ID:		Worklist Smp#:	8
Client ID:					
Injection Vol:	5.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	8
Method:	W-LVI-8270	Limit Group:	MB - 8270D ICAL		

Column: RXI-5Sil MS (0.25 mm)



Manual Integration/User Assign Peak Report

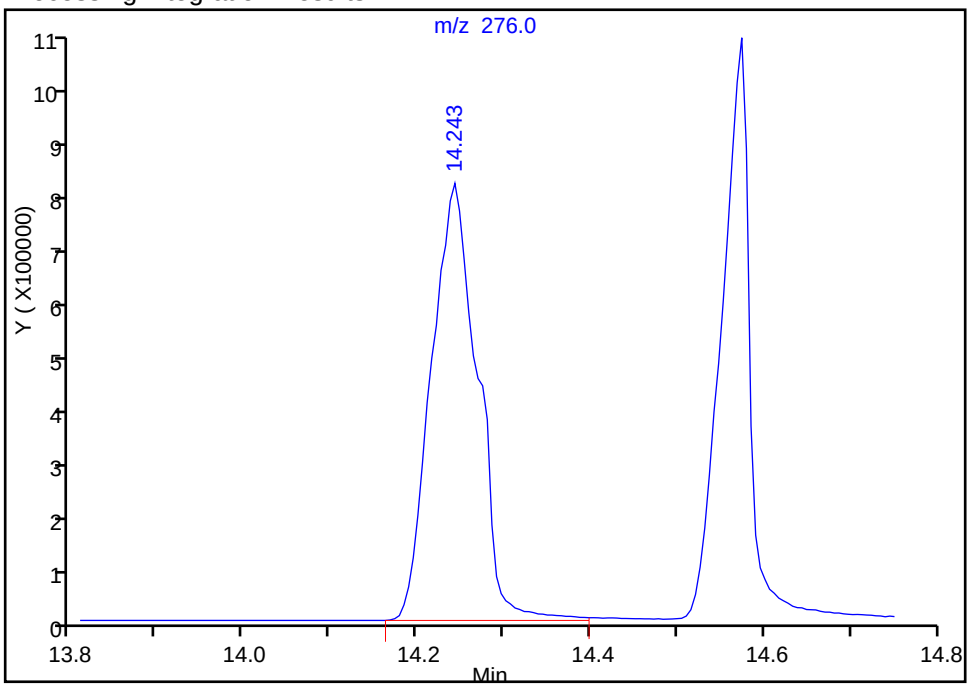
TestAmerica Buffalo

Data File:	\\Bufchrom\ChromData\HP5973W\20140306-29988.b\W04765.D				
Injection Date:	06-Mar-2014 15:09:30	Instrument ID:	HP5973W		
Lims ID:	IC 8270LVI - 10	Lab Sample ID:			
Client ID:					
Operator ID:	rar	ALS Bottle#:	8	Worklist Smp#:	8
Injection Vol:	5.0 ul	Dil. Factor:	1.0000		
Method:	W-LVI-8270	Limit Group:	MB - 8270D ICAL		
Column:	RXI-5Sil MS (0.25 mm)	Detector	MS SCAN		

215 Indeno[1,2,3-cd]pyrene, CAS: 193-39-5

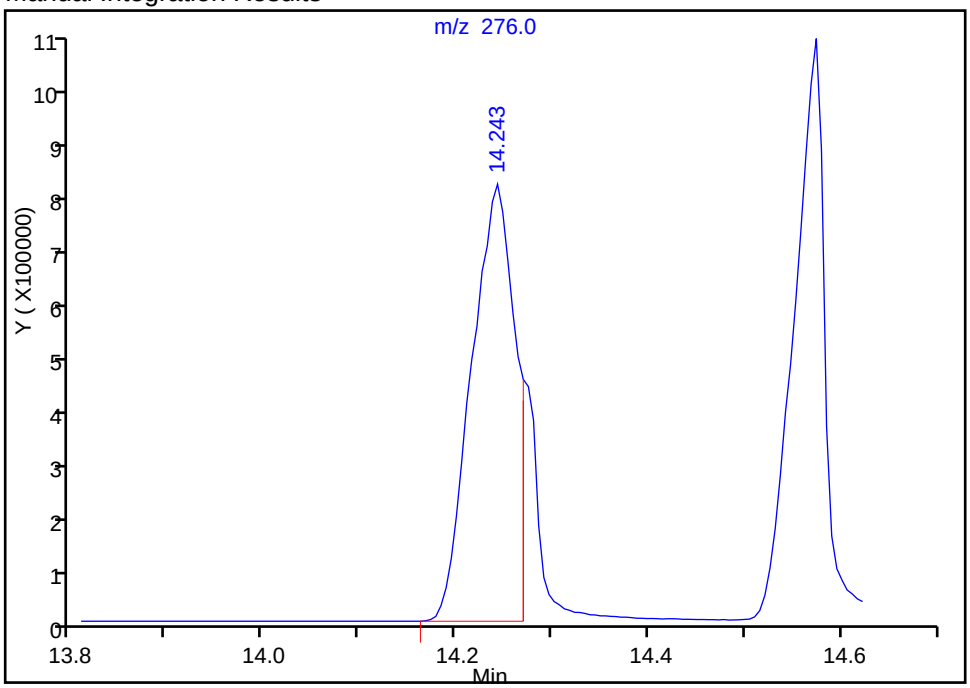
Processing Integration Results

RT: 14.24
Response: 2915847
Amount: 10.121650



Manual Integration Results

RT: 14.24
Response: 2489786
Amount: 11.102891



Reviewer: mckernar, 06-Mar-2014 15:38:12
Audit Action: Split an Integrated Peak
Audit Reason: Coelution

TestAmerica Buffalo
Target Compound Quantitation Report

Data File: \\Bufchrom\ChromData\HP5973W\20140306-29988.b\W04766.D
Lims ID: IC 8270LVI - 15 Lab Sample ID:
Client ID:
Sample Type: IC Calib Level: 7
Inject. Date: 06-Mar-2014 15:33:30 ALS Bottle#: 9 Worklist Smp#: 9
Injection Vol: 5.0 ul Dil. Factor: 1.0000
Sample Info: 480-0029988-009
Operator ID: rar Instrument ID: HP5973W
Sublist: chrom-W-LVI-8270*sub18

Method: \\Bufchrom\ChromData\HP5973W\20140306-29988.b\W-LVI-8270.m
Limit Group: MB - 8270D ICAL
Last Update: 06-Mar-2014 15:53:52 Calib Date: 06-Mar-2014 15:33:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\Bufchrom\ChromData\HP5973W\20140306-29988.b\W04766.D

Column 1 : RXI-5Sil MS (0.25 mm) Det: MS SCAN
Process Host: XAWRK022

First Level Reviewer: mckernar Date: 06-Mar-2014 15:53:52

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	On-Col Amt ng/uL	Flags
* 1 1,4-Dichlorobenzene-d4	152	5.466	5.461	0.005	96	259213	4.00	
* 2 Naphthalene-d8	136	6.508	6.502	0.006	99	956384	4.00	
* 3 Acenaphthene-d10	164	7.950	7.945	0.005	93	496451	4.00	
* 4 Phenanthrene-d10	188	9.173	9.163	0.010	97	836828	4.00	
* 5 Chrysene-d12	240	11.374	11.364	0.010	74	883991	4.00	
* 6 Perylene-d12	264	12.913	12.902	0.011	83	962247	4.00	
$ 7 2-Fluorophenol	112	4.435	4.430	0.005	91	1087640	13.8	
$ 8 Phenol-d5	99	5.252	5.236	0.016	0	1412013	14.1	
$ 9 Nitrobenzene-d5	82	5.936	5.915	0.021	87	1275186	14.3	
$ 10 2-Fluorobiphenyl	172	7.410	7.400	0.010	99	2042224	13.2	
$ 11 2,4,6-Tribromophenol	330	8.612	8.602	0.010	87	412139	16.1	
$ 12 p-Terphenyl-d14	244	10.488	10.482	0.006	99	2321730	14.0	
55 1,4-Dioxane	88	2.880	2.875	0.005	92	462681	13.1	
53 N-Nitrosodimethylamine	42	3.174	3.153	0.021	90	461765	14.5	
52 Pyridine	52	3.185	3.179	0.006	95	774096	15.0	
69 Aniline	93	5.220	5.204	0.016	97	1695892	13.6	
72 Phenol	94	5.263	5.247	0.016	98	1315807	12.9	
74 Bis(2-chloroethyl)ether	93	5.268	5.258	0.010	85	1077773	13.0	
75 2-Chlorophenol	128	5.322	5.306	0.016	95	1168106	13.9	
78 1,3-Dichlorobenzene	146	5.423	5.413	0.010	97	1236423	13.5	
77 1,4-Dichlorobenzene	146	5.482	5.477	0.005	92	1237544	13.2	
73 1,2-Dichlorobenzene	146	5.605	5.594	0.011	96	1158286	13.1	
79 Benzyl alcohol	108	5.626	5.600	0.026	89	738615	14.8	
83 2,2'-oxybis[1-chloropropane]	45	5.712	5.701	0.011	92	1366029	13.3	
82 2-Methylphenol	108	5.738	5.722	0.016	91	1086633	14.6	
86 Acetophenone	105	5.818	5.797	0.021	97	1522455	14.0	
87 N-Nitrosodi-n-propylamine	70	5.845	5.808	0.037	79	803701	14.3	
88 4-Methylphenol	108	5.867	5.856	0.010	94	948350	12.9	
89 Hexachloroethane	117	5.877	5.872	0.005	95	431209	11.4	
85 Nitrobenzene	77	5.952	5.931	0.021	83	1178006	13.5	
94 Isophorone	82	6.155	6.134	0.021	97	2026188	14.8	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	On-Col Amt ng/uL	Flags
97 2-Nitrophenol	139	6.208	6.193	0.016	89	651904	14.5	
99 2,4-Dimethylphenol	107	6.283	6.267	0.016	96	1086493	14.5	
103 Bis(2-chloroethoxy)methane	93	6.337	6.321	0.016	99	1245736	13.2	
106 2,4-Dichlorophenol	162	6.427	6.412	0.015	93	897118	15.0	
100 1,2,4-Trichlorobenzene	180	6.465	6.454	0.011	94	1015653	13.1	
107 Naphthalene	128	6.529	6.518	0.011	99	2776886	12.0	
108 4-Chloroaniline	127	6.593	6.577	0.016	83	1344520	14.0	
110 Hexachlorobutadiene	225	6.630	6.625	0.005	92	656923	13.3	
117 4-Chloro-3-methylphenol	107	7.031	7.021	0.010	92	934620	15.0	
121 2-Methylnaphthalene	142	7.095	7.085	0.010	84	1886046	12.7	
236 1-Methylnaphthalene	142	7.175	7.165	0.010	0	1784812	NC	
125 Hexachlorocyclopentadiene	237	7.223	7.218	0.005	89	710384	14.5	
124 1,2,4,5-Tetrachlorobenzene	216	7.234	7.224	0.010	94	915595	12.6	
127 2,4,6-Trichlorophenol	196	7.352	7.341	0.011	90	684016	15.7	
129 2,4,5-Trichlorophenol	196	7.389	7.389	0.0	95	761537	14.5	
130 1,1'-Biphenyl	154	7.491	7.475	0.016	97	1871782	11.6	
131 2-Chloronaphthalene	162	7.501	7.485	0.016	98	1614495	12.2	
132 2-Nitroaniline	65	7.608	7.592	0.016	84	615892	15.5	
134 Dimethyl phthalate	163	7.779	7.747	0.032	96	2134253	14.5	
139 1,3-Dinitrobenzene	168	7.800	7.768	0.032	86	413757	15.6	
135 2,6-Dinitrotoluene	165	7.816	7.790	0.026	89	516991	14.9	
137 Acenaphthylene	152	7.838	7.827	0.011	73	2867541	13.2	
140 3-Nitroaniline	138	7.971	7.939	0.032	95	588574	15.7	
141 Acenaphthene	153	7.982	7.971	0.011	94	1791384	12.8	
142 2,4-Dinitrophenol	184	8.046	8.020	0.026	82	783756	30.6	
145 Dibenzofuran	168	8.126	8.116	0.010	89	2543830	12.9	
144 2,4-Dinitrotoluene	165	8.148	8.121	0.027	91	673750	15.1	
143 4-Nitrophenol	109	8.169	8.148	0.021	89	585128	33.5	
147 2,3,4,6-Tetrachlorophenol	232	8.249	8.233	0.016	67	630289	14.6	
149 Diethyl phthalate	149	8.351	8.329	0.022	97	1839919	12.8	
151 Fluorene	166	8.404	8.394	0.010	85	1817299	11.8	
152 4-Chlorophenyl phenyl ether	204	8.415	8.404	0.011	92	855350	11.0	
153 4-Nitroaniline	138	8.484	8.447	0.037	84	390271	12.9	
154 4,6-Dinitro-2-methylphenol	198	8.490	8.452	0.038	84	919290	30.0	
159 1,2-Diphenylhydrazine	77	8.548	8.532	0.016	97	1993740	12.9	
158 Azobenzene	77	8.548	8.532	0.016	98	1993740	13.2	
164 4-Bromophenyl phenyl ether	248	8.815	8.805	0.010	58	670999	14.3	
168 Hexachlorobenzene	284	8.858	8.842	0.016	90	745714	14.1	
172 Pentachlorophenol	266	9.040	9.024	0.016	91	879917	36.0	
177 Phenanthrene	178	9.195	9.179	0.016	98	2840248	13.5	
180 Anthracene	178	9.237	9.222	0.015	99	2907104	13.3	
181 Carbazole	167	9.382	9.371	0.011	83	2528180	13.3	
184 Di-n-butyl phthalate	149	9.676	9.670	0.006	100	2981384	13.3	
191 Fluoranthene	202	10.167	10.151	0.016	98	3032108	13.4	
193 Pyrene	202	10.349	10.338	0.011	96	3123511	13.3	
200 Butyl benzyl phthalate	149	10.899	10.894	0.005	96	1424833	14.5	
205 Benzo[a]anthracene	228	11.364	11.353	0.011	99	3274510	14.5	
207 Chrysene	228	11.406	11.385	0.021	91	3048318	13.3	
206 Bis(2-ethylhexyl) phthalate	149	11.422	11.417	0.005	93	2068559	14.3	
208 Di-n-octyl phthalate	149	12.090	12.080	0.010	99	3639712	14.5	
209 Benzo[b]fluoranthene	252	12.491	12.459	0.032	87	4094685	16.6	
211 Benzo[k]fluoranthene	252	12.528	12.491	0.037	89	3455801	13.1	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	On-Col Amt ng/uL	Flags
213 Benzo[a]pyrene	252	12.860	12.833	0.027	72	3604664	14.9	
215 Indeno[1,2,3-cd]pyrene	276	14.270	14.206	0.064	92	4086777	17.5	M
216 Dibenz(a,h)anthracene	278	14.297	14.249	0.048	77	3730899	15.5	
217 Benzo[g,h,i]perylene	276	14.596	14.537	0.059	92	3639938	15.3	
240 Hexadecane	57	9.109	9.104	0.005	81	1083868	NR	
S 220 Total Cresols	1				0		27.5	
S 218 3 & 4 Methylphenol	108				0		12.9	
S 219 3-Methylphenol	1				0		12.9	

QC Flag Legend

Review Flags
M - Manually Integrated

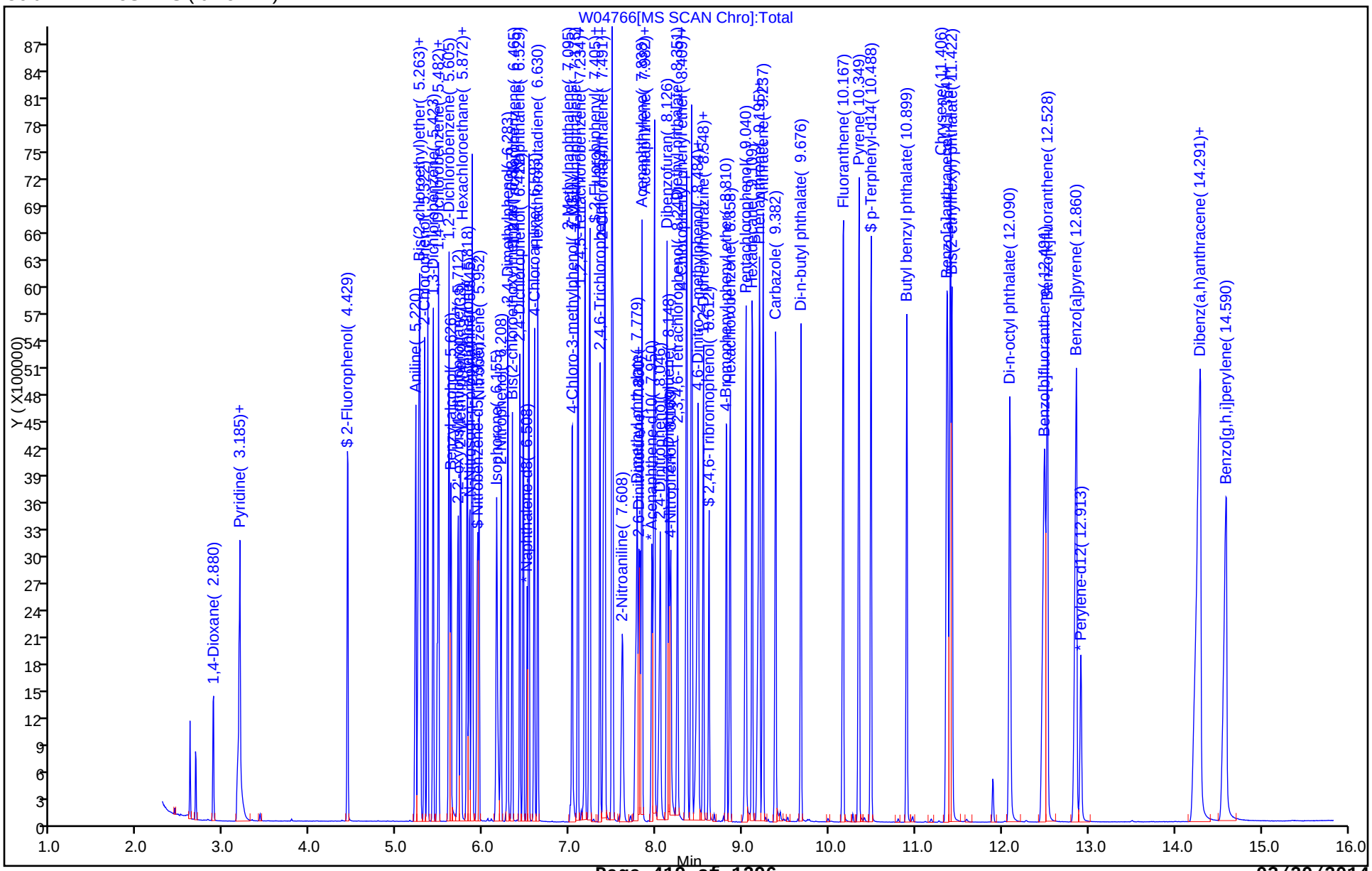
Report Date: 06-Mar-2014 15:53:53 Chrom Revision: 2.1 17-Feb-2014 09:05:58

TestAmerica Buffalo

Data File: \\Bufchrom\ChromData\HP5973W\20140306-29988.b\W04766.D

Injection Date:	06-Mar-2014 15:33:30	Instrument ID:	HP5973W	Operator ID:	rar
Lims ID:	IC 8270LVI - 15	Lab Sample ID:		Worklist Smp#:	9
Client ID:					
Injection Vol:	5.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	9
Method:	W-LVI-8270	Limit Group:	MB - 8270D ICAL		

Column: RXI-5Sil MS (0.25 mm)



Manual Integration/User Assign Peak Report

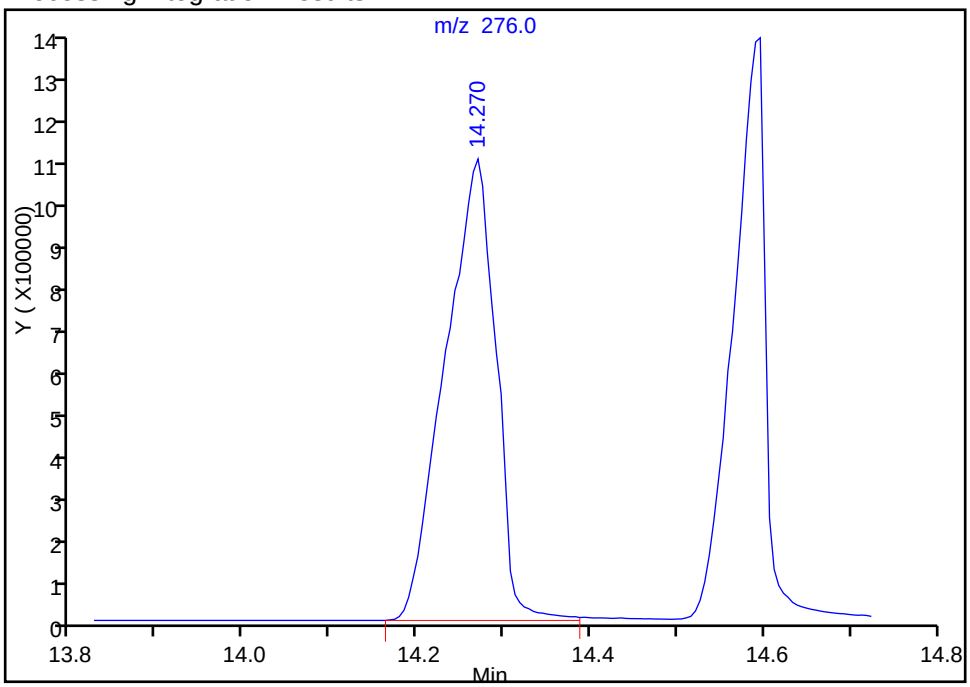
TestAmerica Buffalo

Data File:	\\Bufchrom\ChromData\HP5973W\20140306-29988.b\W04766.D				
Injection Date:	06-Mar-2014 15:33:30	Instrument ID:	HP5973W		
Lims ID:	IC 8270LVI - 15	Lab Sample ID:			
Client ID:					
Operator ID:	rar	ALS Bottle#:	9	Worklist Smp#:	9
Injection Vol:	5.0 ul	Dil. Factor:	1.0000		
Method:	W-LVI-8270	Limit Group:	MB - 8270D ICAL		
Column:	RXI-5Sil MS (0.25 mm)	Detector	MS SCAN		

215 Indeno[1,2,3-cd]pyrene, CAS: 193-39-5

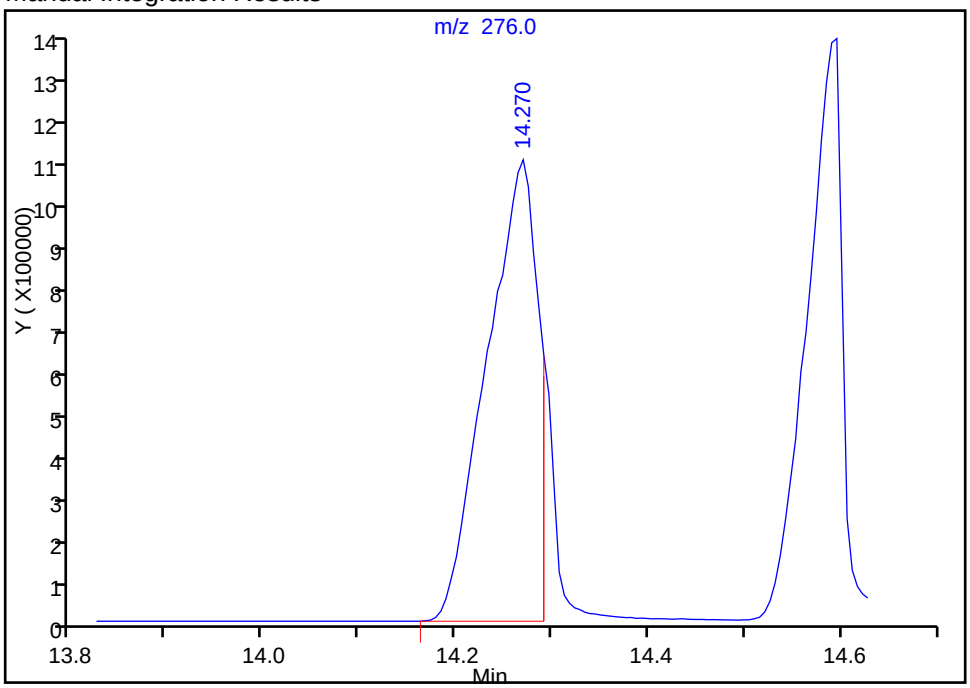
Processing Integration Results

RT: 14.27
Response: 4501479
Amount: 18.913379



Manual Integration Results

RT: 14.27
Response: 4086777
Amount: 17.460720



Reviewer: mckernar, 06-Mar-2014 15:53:52
Audit Action: Split an Integrated Peak
Audit Reason: Coelution

FORM VII
GC/MS SEMI VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Buffalo Job No.: 480-55783-1

SDG No.:

Lab Sample ID: CCVIS 480-170376/3 Calibration Date: 03/17/2014 16:06

Instrument ID: HP5973W Calib Start Date: 03/06/2014 13:08

GC Column: RXI-5Sil MS ID: 0.25(mm) Calib End Date: 03/06/2014 15:33

Lab File ID: W04981.D Conc. Units: ug/L

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
1,4-Dioxane	Ave	0.5454	0.5745	0.0100	5270	5000	5.3	50.0
N-Nitrosodimethylamine	Lin1		0.5512	0.0100	5650	5000	13.0	25.0
Pyridine	Ave	0.7958	0.8997	0.0100	5650	5000	13.1	50.0
Aniline	Ave	1.926	1.974	0.0100	5120	5000	2.5	50.0
Bis(2-chloroethyl)ether	Ave	1.278	1.305	0.7000	5110	5000	2.2	20.0
Phenol	Ave	1.576	1.710	0.8000	5430	5000	8.5	20.0
2-Chlorophenol	Ave	1.299	1.340	0.8000	5160	5000	3.1	20.0
1,3-Dichlorobenzene	Ave	1.417	1.443	0.0100	5090	5000	1.8	20.0
1,4-Dichlorobenzene	Ave	1.444	1.450	0.0100	5020	5000	0.5	20.0
1,2-Dichlorobenzene	Ave	1.365	1.356	0.0100	4970	5000	-0.6	20.0
Benzyl alcohol	Lin1		0.8172	0.0100	5340	5000	6.8	50.0
bis (2-chloroisopropyl) ether	Ave	1.580	1.710	0.0100	5410	5000	8.2	20.0
2-Methylphenol	Ave	1.148	1.204	0.7000	5240	5000	4.9	20.0
Acetophenone	Ave	1.680	1.765	0.0100	5250	5000	5.1	40.0
N-Nitrosodi-n-propylamine	Ave	0.8683	0.9564	0.5000	5510	5000	10.1	20.0
Hexachloroethane	Ave	0.5850	0.6079	0.3000	5200	5000	3.9	20.0
4-Methylphenol	Ave	1.134	1.264	0.6000	5570	5000	11.5	20.0
Nitrobenzene	Ave	0.3640	0.3894	0.2000	5350	5000	7.0	20.0
Isophorone	Ave	0.5707	0.6103	0.4000	5350	5000	6.9	20.0
2-Nitrophenol	Ave	0.1878	0.1879	0.1000	5000	5000	0.0	20.0
2,4-Dimethylphenol	Ave	0.3136	0.3325	0.2000	5300	5000	6.0	20.0
Bis(2-chloroethoxy)methane	Ave	0.3934	0.4127	0.3000	5250	5000	4.9	20.0
2,4-Dichlorophenol	Ave	0.2504	0.2681	0.2000	5350	5000	7.1	20.0
1,2,4-Trichlorobenzene	Ave	0.3249	0.3213	0.0100	4950	5000	-1.1	20.0
Naphthalene	Ave	0.9717	0.9831	0.7000	5060	5000	1.2	20.0
4-Chloroaniline	Ave	0.4030	0.4208	0.0100	5220	5000	4.4	20.0
Hexachlorobutadiene	Ave	0.2062	0.2030	0.0100	4920	5000	-1.6	20.0
4-Chloro-3-methylphenol	Ave	0.2615	0.2833	0.2000	5420	5000	8.3	20.0
2-Methylnaphthalene	Ave	0.6231	0.6653	0.4000	5340	5000	6.8	20.0
Hexachlorocyclopentadiene	Lin1		0.3121	0.0500	4040	5000	-19.3	20.0
1,2,4,5-Tetrachlorobenzene	Ave	0.5862	0.6123	0.0100	5220	5000	4.4	40.0
2,4,6-Trichlorophenol	Ave	0.3518	0.3760	0.2000	5340	5000	6.9	20.0
2,4,5-Trichlorophenol	Lin1		0.3792	0.2000	4560	5000	-8.8	20.0
Biphenyl	Ave	1.301	1.402	0.0100	5390	5000	7.8	40.0
2-Chloronaphthalene	Ave	1.067	1.130	0.8000	5290	5000	5.8	25.0
2-Nitroaniline	Ave	0.3198	0.3516	0.0100	5500	5000	10.0	20.0
Dimethyl phthalate	Ave	1.182	1.197	0.0100	5060	5000	1.2	20.0
1,3-Dinitrobenzene	Ave	0.1110	0.1163	0.0100	5240	5000	4.8	50.0
2,6-Dinitrotoluene	Ave	0.2787	0.2873	0.2000	5150	5000	3.1	25.0
Acenaphthylene	Ave	1.748	1.781	0.9000	5090	5000	1.9	20.0

FORM VII
GC/MS SEMI VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Buffalo Job No.: 480-55783-1

SDG No.:

Lab Sample ID: CCVIS 480-170376/3 Calibration Date: 03/17/2014 16:06

Instrument ID: HP5973W Calib Start Date: 03/06/2014 13:08

GC Column: RXI-5Sil MS ID: 0.25(mm) Calib End Date: 03/06/2014 15:33

Lab File ID: W04981.D Conc. Units: ug/L

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
3-Nitroaniline	Ave	0.3021	0.3162	0.0100	5230	5000	4.7	20.0
Acenaphthene	Ave	1.125	1.151	0.0100	5120	5000	2.3	20.0
2,4-Dinitrophenol	Lin1		0.1065	0.0100	5830	10000	-41.7*	20.0
Dibenzofuran	Ave	1.583	1.594	0.8000	5030	5000	0.7	20.0
2,4-Dinitrotoluene	Ave	0.3590	0.3758	0.0100	5230	5000	4.7	20.0
4-Nitrophenol	Ave	0.1408	0.0815	0.0100	5790	10000	-42.1*	20.0
2,3,4,6-Tetrachlorophenol	Lin1		0.2571	0.0100	3760	5000	-24.8	40.0
Diethyl phthalate	Ave	1.160	1.122	0.0100	4840	5000	-3.3	20.0
Fluorene	Ave	1.236	1.267	0.9000	5130	5000	2.5	20.0
4-Chlorophenyl phenyl ether	Ave	0.6282	0.6396	0.4000	5090	5000	1.8	20.0
4,6-Dinitro-2-methylphenol	Lin1		0.1265	0.0100	8880	10000	-11.2	20.0
4-Nitroaniline	Ave	0.2432	0.2647	0.0100	5440	5000	8.9	20.0
1,2-Diphenylhydrazine	Ave	1.242	1.316	0.0100	5300	5000	5.9	25.0
trans-Azobenzene	Ave	0.7230	0.8292	0.0100	5730	5000	14.7	40.0
4-Bromophenyl phenyl ether	Ave	0.2249	0.2362	0.1000	5250	5000	5.0	20.0
Hexachlorobenzene	Ave	0.2527	0.2619	0.1000	5180	5000	3.6	20.0
Pentachlorophenol	Lin1		0.0434*	0.0500	3490	10000	-65.1*	20.0
Phenanthrene	Ave	1.004	0.9935	0.7000	4950	5000	-1.0	20.0
Anthracene	Ave	1.042	1.019	0.7000	4890	5000	-2.2	20.0
Carbazole	Ave	0.9075	0.9118	0.0100	5020	5000	0.5	20.0
Di-n-butyl phthalate	Ave	1.069	1.049	0.0100	4910	5000	-1.8	20.0
Fluoranthene	Ave	1.085	1.027	0.6000	4740	5000	-5.3	20.0
Pyrene	Ave	1.060	1.254	0.6000	5920	5000	18.3	20.0
Butyl benzyl phthalate	Ave	0.4438	0.4797	0.0100	5410	5000	8.1	20.0
Benzo[a]anthracene	Ave	1.019	1.034	0.8000	5070	5000	1.4	20.0
Chrysene	Ave	1.036	1.047	0.7000	5050	5000	1.1	20.0
Bis(2-ethylhexyl) phthalate	Ave	0.6565	0.6384	0.0100	4860	5000	-2.7	20.0
Di-n-octyl phthalate	Lin1		1.089	0.0100	4820	5000	-3.5	20.0
Benzo[b]fluoranthene	Ave	1.025	1.139	0.7000	5560	5000	11.1	20.0
Benzo[k]fluoranthene	Ave	1.096	1.156	0.7000	5270	5000	5.5	20.0
Benzo[a]pyrene	Ave	1.004	1.058	0.7000	5270	5000	5.4	20.0
Indeno[1,2,3-cd]pyrene	Ave	0.9730	0.9786	0.5000	5030	5000	0.6	20.0
Dibenz(a,h)anthracene	Ave	1.002	0.8214	0.4000	4100	5000	-18.0	20.0
Benzo[g,h,i]perylene	Ave	0.9866	0.7083	0.5000	3590	5000	-28.2*	20.0
2-Fluorophenol (Surr)	Ave	1.214	1.225	0.0100	5040	5000	0.9	25.0
Phenol-d5 (Surr)	Ave	1.545	1.649	0.0100	5340	5000	6.7	25.0
Nitrobenzene-d5 (Surr)	Ave	0.3721	0.3896	0.0100	5230	5000	4.7	25.0
2-Fluorobiphenyl	Ave	1.245	1.293	0.0100	5190	5000	3.8	25.0
2,4,6-Tribromophenol (Surr)	Ave	0.1225	0.1302	0.0100	5310	5000	6.3	25.0
p-Terphenyl-d14 (Surr)	Ave	0.7508	0.8906	0.0100	5930	5000	18.6	25.0

TestAmerica Buffalo
Target Compound Quantitation Report

Data File: \\Bufchrom\ChromData\HP5973W\20140317-30223.b\W04981.D
Lims ID: CCVIS Lab Sample ID:
Client ID:
Sample Type: CCVIS
Inject. Date: 17-Mar-2014 16:06:30 ALS Bottle#: 4 Worklist Smp#: 3
Injection Vol: 5.0 ul Dil. Factor: 1.0000
Sample Info: 480-0030223-003
Operator ID: rar Instrument ID: HP5973W
Sublist: chrom-W-LVI-8270*sub18

Method: \\Bufchrom\ChromData\HP5973W\20140317-30223.b\W-LVI-8270.m
Limit Group: MB - 8270D ICAL
Last Update: 17-Mar-2014 16:24:50 Calib Date: 06-Mar-2014 15:33:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\Bufchrom\ChromData\HP5973W\20140306-29988.b\W04766.D

Column 1 : RXI-5Sil MS (0.25 mm) Det: MS SCAN
Process Host: XAWRK048

First Level Reviewer: mckernar Date: 17-Mar-2014 16:24:50

	Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	On-Col Amt ng/uL	Flags
*	1 1,4-Dichlorobenzene-d4	152	5.434	5.434	0.0	97	283356	4.00	
*	2 Naphthalene-d8	136	6.481	6.481	0.0	100	1051891	4.00	
*	3 Acenaphthene-d10	164	7.929	7.929	0.0	93	559906	4.00	
*	4 Phenanthrene-d10	188	9.147	9.147	0.0	97	888510	4.00	
*	5 Chrysene-d12	240	11.348	11.348	0.0	80	738591	4.00	
*	6 Perylene-d12	264	12.881	12.881	0.0	83	684277	4.00	
$	7 2-Fluorophenol	112	4.451	4.451	0.0	92	433874	5.04	
$	8 Phenol-d5	99	5.274	5.274	0.0	0	584096	5.34	
$	9 Nitrobenzene-d5	82	5.904	5.904	0.0	74	512220	5.23	
$	10 2-Fluorobiphenyl	172	7.379	7.379	0.0	99	904605	5.19	
$	11 2,4,6-Tribromophenol	330	8.591	8.591	0.0	89	144566	5.31	
$	12 p-Terphenyl-d14	244	10.461	10.461	0.0	98	822188	5.93	
	55 1,4-Dioxane	88	2.763	2.763	0.0	93	203478	5.27	
	53 N-Nitrosodimethylamine	42	3.057	3.057	0.0	87	195225	5.65	
	52 Pyridine	52	3.089	3.089	0.0	98	318658	5.65	
	72 Phenol	94	5.284	5.284	0.0	99	605686	5.43	
	69 Aniline	93	5.188	5.188	0.0	97	699060	5.12	
	74 Bis(2-chloroethyl)ether	93	5.236	5.236	0.0	97	462392	5.11	
	75 2-Chlorophenol	128	5.306	5.306	0.0	90	474513	5.16	
	78 1,3-Dichlorobenzene	146	5.386	5.386	0.0	96	511009	5.09	
	77 1,4-Dichlorobenzene	146	5.450	5.450	0.0	93	513679	5.02	
	73 1,2-Dichlorobenzene	146	5.573	5.573	0.0	96	480382	4.97	
	79 Benzyl alcohol	108	5.605	5.605	0.0	90	289430	5.34	
	83 2,2'-oxybis[1-chloropropane]	45	5.680	5.680	0.0	93	605540	5.41	
	82 2-Methylphenol	108	5.744	5.744	0.0	96	426350	5.24	
	86 Acetophenone	105	5.781	5.781	0.0	95	625035	5.25	
	87 N-Nitrosodi-n-propylamine	70	5.797	5.797	0.0	84	338734	5.51	
	89 Hexachloroethane	117	5.840	5.840	0.0	98	215303	5.20	
	88 4-Methylphenol	108	5.888	5.888	0.0	92	447710	5.57	
	85 Nitrobenzene	77	5.920	5.920	0.0	82	511954	5.35	
	94 Isophorone	82	6.128	6.128	0.0	97	802406	5.35	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	On-Col Amt ng/uL	Flags
97 2-Nitrophenol	139	6.182	6.182	0.0	92	247008	5.00	
99 2,4-Dimethylphenol	107	6.278	6.278	0.0	97	437132	5.30	
103 Bis(2-chloroethoxy)methane	93	6.310	6.310	0.0	99	542632	5.25	
106 2,4-Dichlorophenol	162	6.422	6.422	0.0	96	352487	5.35	
100 1,2,4-Trichlorobenzene	180	6.438	6.438	0.0	93	422449	4.95	
107 Naphthalene	128	6.502	6.502	0.0	97	1292588	5.06	
108 4-Chloroaniline	127	6.577	6.577	0.0	85	553338	5.22	
110 Hexachlorobutadiene	225	6.604	6.604	0.0	92	266895	4.92	
117 4-Chloro-3-methylphenol	107	7.047	7.047	0.0	91	372469	5.42	
121 2-Methylnaphthalene	142	7.069	7.069	0.0	83	874739	5.34	
236 1-Methylnaphthalene	142	7.149	7.149	0.0	0	756531	NC	
125 Hexachlorocyclopentadiene	237	7.197	7.197	0.0	90	218456	4.04	
124 1,2,4,5-Tetrachlorobenzene	216	7.208	7.208	0.0	94	428513	5.22	
127 2,4,6-Trichlorophenol	196	7.341	7.341	0.0	92	263169	5.34	
129 2,4,5-Trichlorophenol	196	7.405	7.405	0.0	93	265379	4.56	
130 1,1'-Biphenyl	154	7.459	7.459	0.0	96	981371	5.39	
131 2-Chloronaphthalene	162	7.469	7.469	0.0	98	790644	5.29	
132 2-Nitroaniline	65	7.592	7.592	0.0	85	246064	5.50	
134 Dimethyl phthalate	163	7.736	7.736	0.0	99	837557	5.06	
139 1,3-Dinitrobenzene	168	7.768	7.768	0.0	79	152861	5.24	
135 2,6-Dinitrotoluene	165	7.785	7.785	0.0	78	201079	5.15	
137 Acenaphthylene	152	7.811	7.811	0.0	88	1246266	5.09	
140 3-Nitroaniline	138	7.945	7.945	0.0	89	221281	5.23	
141 Acenaphthene	153	7.955	7.955	0.0	95	805727	5.12	
142 2,4-Dinitrophenol	184	8.025	8.025	0.0	82	149034	5.83	
145 Dibenzofuran	168	8.100	8.100	0.0	89	1115802	5.03	
144 2,4-Dinitrotoluene	165	8.116	8.116	0.0	84	262992	5.23	
143 4-Nitrophenol	109	8.201	8.201	0.0	88	114104	5.79	
147 2,3,4,6-Tetrachlorophenol	232	8.239	8.239	0.0	65	179918	3.76	
149 Diethyl phthalate	149	8.313	8.313	0.0	96	785018	4.84	
151 Fluorene	166	8.378	8.378	0.0	84	886606	5.13	
152 4-Chlorophenyl phenyl ether	204	8.388	8.388	0.0	92	447661	5.09	
154 4,6-Dinitro-2-methylphenol	198	8.452	8.452	0.0	79	281030	8.88	
153 4-Nitroaniline	138	8.452	8.452	0.0	80	185290	5.44	
159 1,2-Diphenylhydrazine	77	8.516	8.516	0.0	96	920888	5.30	
158 Azobenzene	77	8.516	8.516	0.0	98	920888	5.73	
164 4-Bromophenyl phenyl ether	248	8.784	8.784	0.0	61	262317	5.25	
168 Hexachlorobenzene	284	8.826	8.826	0.0	92	290893	5.18	
172 Pentachlorophenol	266	9.024	9.024	0.0	88	96322	3.49	
177 Phenanthrene	178	9.168	9.168	0.0	97	1103431	4.95	
180 Anthracene	178	9.206	9.206	0.0	98	1131800	4.89	
181 Carbazole	167	9.371	9.371	0.0	82	1012673	5.02	
184 Di-n-butyl phthalate	149	9.649	9.649	0.0	100	1165139	4.91	
191 Fluoranthene	202	10.140	10.140	0.0	98	1141116	4.74	
193 Pyrene	202	10.322	10.322	0.0	97	1157682	5.92	
200 Butyl benzyl phthalate	149	10.872	10.872	0.0	97	442893	5.41	
205 Benzo[a]anthracene	228	11.337	11.337	0.0	98	954364	5.07	
207 Chrysene	228	11.369	11.369	0.0	91	967052	5.05	
206 Bis(2-ethylhexyl) phthalate	149	11.385	11.385	0.0	95	589434	4.86	
208 Di-n-octyl phthalate	149	12.053	12.053	0.0	99	1005331	4.82	
209 Benzo[b]fluoranthene	252	12.443	12.443	0.0	94	974072	5.56	
211 Benzo[k]fluoranthene	252	12.475	12.475	0.0	95	988780	5.27	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	On-Col Amt ng/uL	Flags
213 Benzo[a]pyrene	252	12.812	12.812	0.0	75	904892	5.27	
215 Indeno[1,2,3-cd]pyrene	276	14.190	14.190	0.0	99	837075	5.03	
216 Dibenz(a,h)anthracene	278	14.222	14.222	0.0	70	702612	4.10	
217 Benzo[g,h,i]perylene	276	14.521	14.521	0.0	93	605826	3.59	
240 Hexadecane	57	9.077	9.077	0.0	82	501949	NR	
S 218 3 & 4 Methylphenol	108				0		5.57	
S 219 3-Methylphenol	1				0		5.57	
S 220 Total Cresols	1				0		10.8	

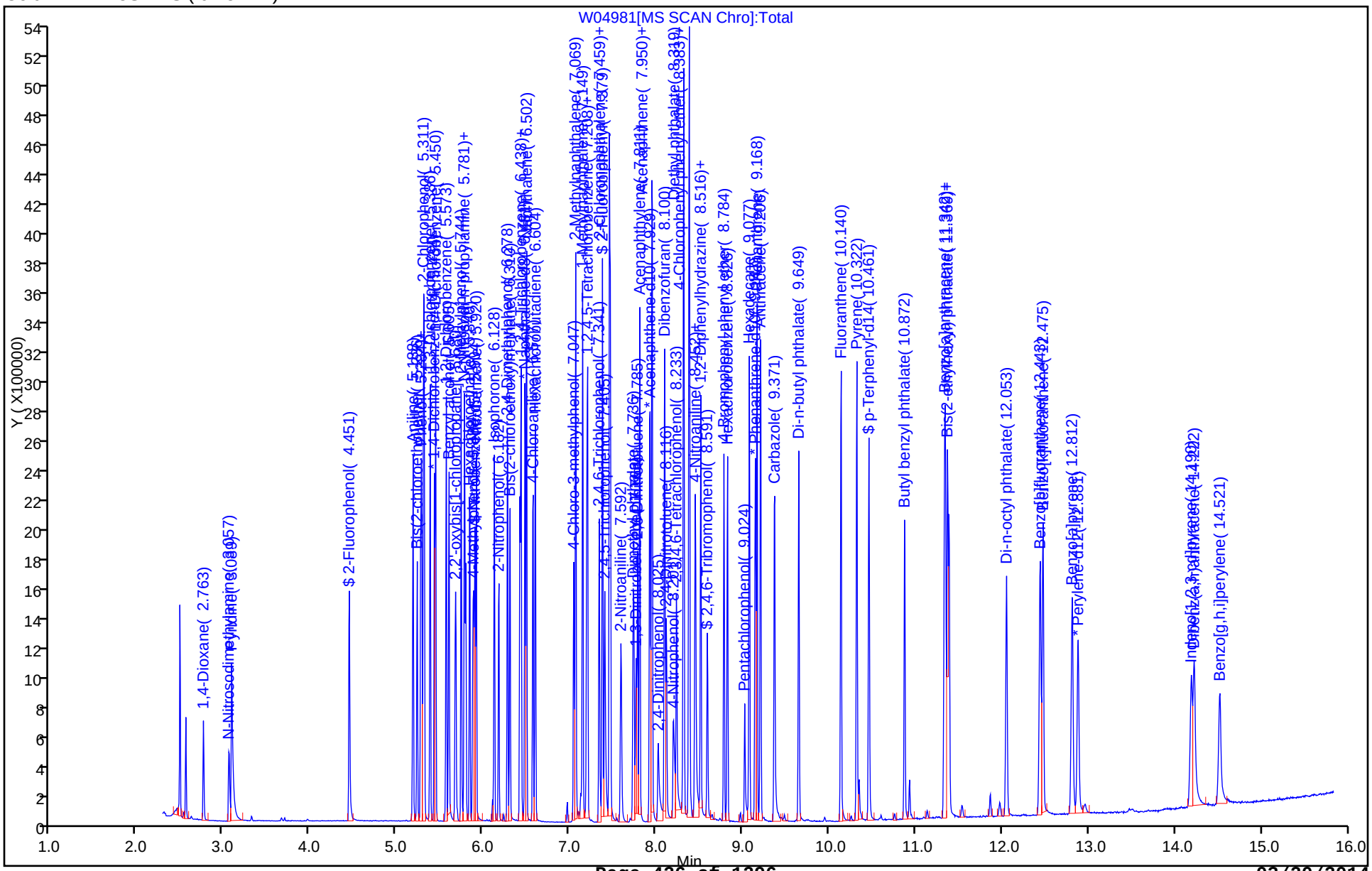
Report Date: 17-Mar-2014 16:24:51 Chrom Revision: 2.1 17-Feb-2014 09:05:58

TestAmerica Buffalo

Data File: \\Bufchrom\ChromData\HP5973W\20140317-30223.b\W04981.D

Injection Date:	17-Mar-2014 16:06:30	Instrument ID:	HP5973W	Operator ID:	rar
Lims ID:	CCVIS	Lab Sample ID:		Worklist Smp#:	3
Client ID:					
Injection Vol:	5.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	4
Method:	W-LVI-8270	Limit Group:	MB - 8270D ICAL		

Column: RXI-5Sil MS (0.25 mm)



FORM VII
GC/MS SEMI VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Buffalo Job No.: 480-55783-1

SDG No.:

Lab Sample ID: CCV 480-170376/4 Calibration Date: 03/17/2014 16:30

Instrument ID: HP5973W Calib Start Date: 02/27/2014 06:12

GC Column: RXI-5Sil MS ID: 0.25(mm) Calib End Date: 02/27/2014 08:36

Lab File ID: W04982.D Conc. Units: ug/L

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Benzaldehyde	Ave	1.133	1.053	0.0100	4650	5000	-7.1	40.0
Benzoic acid	Lin1		0.1954	0.0100	16600	20000	-16.8	25.0
Caprolactam	Ave	0.0953	0.1070	0.0100	5610	5000	12.3	40.0
N-Nitrosodiphenylamine	Ave	0.4885	0.5024	0.0100	5140	5000	2.8	20.0
Atrazine	Ave	0.2915	0.3099	0.0100	5320	5000	6.3	25.0
Benzidine	Lin1		0.1576	0.0100	2760	5000	-44.8*	25.0
3,3'-Dichlorobenzidine	Ave	0.2837	0.3574	0.0100	6300	5000	26.0*	20.0

TestAmerica Buffalo
Target Compound Quantitation Report

Data File: \\Bufchrom\ChromData\HP5973W\20140317-30223.b\W04982.D
Lims ID: CCV AD1 Lab Sample ID:
Client ID:
Sample Type: CCV
Inject. Date: 17-Mar-2014 16:30:30 ALS Bottle#: 5 Worklist Smp#: 4
Injection Vol: 5.0 ul Dil. Factor: 1.0000
Sample Info: 480-0030223-004
Operator ID: rar Instrument ID: HP5973W
Sublist: chrom-W-LVI-8270*sub8

Method: \\Bufchrom\ChromData\HP5973W\20140317-30223.b\W-LVI-8270.m
Limit Group: MB - 8270D ICAL
Last Update: 17-Mar-2014 16:48:09 Calib Date: 06-Mar-2014 15:33:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\Bufchrom\ChromData\HP5973W\20140306-29988.b\W04766.D

Column 1 : RXI-5Sil MS (0.25 mm) Det: MS SCAN
Process Host: XAWRK048

First Level Reviewer: mckernar Date: 17-Mar-2014 16:48:09

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	On-Col Amt ng/uL	Flags
* 1 1,4-Dichlorobenzene-d4	152	5.434	5.434	0.0	96	337652	4.00	
* 2 Naphthalene-d8	136	6.481	6.481	0.0	99	1073534	4.00	
* 3 Acenaphthene-d10	164	7.923	7.923	0.0	94	680392	4.00	
* 4 Phenanthrene-d10	188	9.147	9.147	0.0	98	1214787	4.00	
* 5 Chrysene-d12	240	11.342	11.342	0.0	81	963124	4.00	
* 6 Perylene-d12	264	12.875	12.875	0.0	83	763706	4.00	
71 Benzaldehyde	77	5.076	5.076	0.0	93	444311	4.65	
105 Benzoic acid	105	6.513	6.513	0.0	87	1048729	16.6	
114 Caprolactam	113	6.946	6.946	0.0	75	143552	5.61	
157 N-Nitrosodiphenylamine	169	8.495	8.495	0.0	59	762843	5.14	
170 Atrazine	200	8.960	8.960	0.0	93	263560	5.32	
192 Benzidine	184	10.284	10.284	0.0	97	189753	2.76	
204 3,3'-Dichlorobenzidine	252	11.337	11.337	0.0	69	430321	6.30	

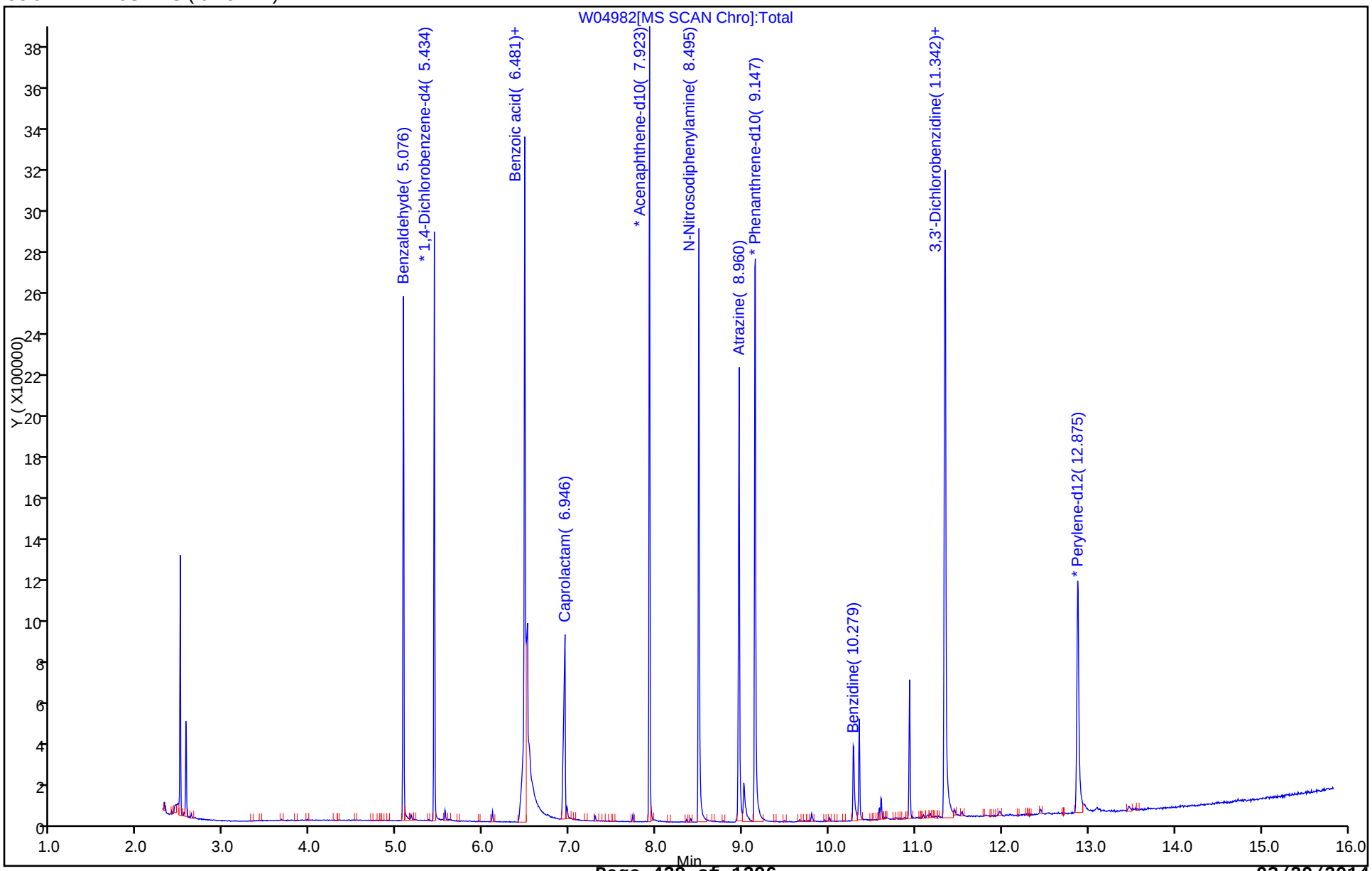
Report Date: 17-Mar-2014 16:48:10 Chrom Revision: 2.1 17-Feb-2014 09:05:58

TestAmerica Buffalo

Data File: \\Bufchrom\ChromData\HP5973W\20140317-30223.b\W04982.D

Injection Date:	17-Mar-2014 16:30:30	Instrument ID:	HP5973W	Operator ID:	rar
Lims ID:	CCV AD1	Lab Sample ID:		Worklist Smp#:	4
Client ID:					
Injection Vol:	5.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	5
Method:	W-LVI-8270	Limit Group:	MB - 8270D ICAL		

Column: RXI-5Sil MS (0.25 mm)



FORM VII
GC/MS SEMI VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Buffalo Job No.: 480-55783-1

SDG No.:

Lab Sample ID: CCVL 480-170376/5 Calibration Date: 03/17/2014 16:54

Instrument ID: HP5973W Calib Start Date: 03/06/2014 13:08

GC Column: RXI-5Sil MS ID: 0.25(mm) Calib End Date: 03/06/2014 15:33

Lab File ID: W04983.D Conc. Units: ug/L

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
1,4-Dioxane	Ave	0.5454			540	500		
N-Nitrosodimethylamine	Lin1				582	500		
Pyridine	Ave	0.7958			514	500		
Aniline	Ave	1.926			524	500		
Bis(2-chloroethyl)ether	Ave	1.278			567	500		
Phenol	Ave	1.576			564	500		
2-Chlorophenol	Ave	1.299			529	500		
1,3-Dichlorobenzene	Ave	1.417			542	500		
1,4-Dichlorobenzene	Ave	1.444			549	500		
1,2-Dichlorobenzene	Ave	1.365			549	500		
Benzyl alcohol	Lin1				670	500		
bis (2-chloroisopropyl) ether	Ave	1.580			590	500		
2-Methylphenol	Ave	1.148			529	500		
Acetophenone	Ave	1.680			551	500		
N-Nitrosodi-n-propylamine	Ave	0.8683			567	500		
Hexachloroethane	Ave	0.5850			538	500		
4-Methylphenol	Ave	1.134			526	500		
Nitrobenzene	Ave	0.3640			615	500		
Isophorone	Ave	0.5707			531	500		
2-Nitrophenol	Ave	0.1878			500	500		
2,4-Dimethylphenol	Ave	0.3136			483	500		
Bis(2-chloroethoxy)methane	Ave	0.3934			596	500		
2,4-Dichlorophenol	Ave	0.2504			426	500		
1,2,4-Trichlorobenzene	Ave	0.3249			539	500		
Naphthalene	Ave	0.9717			594	500		
4-Chloroaniline	Ave	0.4030			465	500		
Hexachlorobutadiene	Ave	0.2062			531	500		
4-Chloro-3-methylphenol	Ave	0.2615			543	500		
2-Methylnaphthalene	Ave	0.6231			760	500		
Hexachlorocyclopentadiene	Lin1				390	500		
1,2,4,5-Tetrachlorobenzene	Ave	0.5862			536	500		
2,4,6-Trichlorophenol	Ave	0.3518			498	500		
2,4,5-Trichlorophenol	Lin1				482	500		
Biphenyl	Ave	1.301			604	500		
2-Chloronaphthalene	Ave	1.067			563	500		
2-Nitroaniline	Ave	0.3198			553	500		
Dimethyl phthalate	Ave	1.182			548	500		
1,3-Dinitrobenzene	Ave	0.1110			512	500		
2,6-Dinitrotoluene	Ave	0.2787			537	500		
Acenaphthylene	Ave	1.748			553	500		

FORM VII
GC/MS SEMI VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Buffalo Job No.: 480-55783-1

SDG No.:

Lab Sample ID: CCVL 480-170376/5 Calibration Date: 03/17/2014 16:54

Instrument ID: HP5973W Calib Start Date: 03/06/2014 13:08

GC Column: RXI-5Sil MS ID: 0.25(mm) Calib End Date: 03/06/2014 15:33

Lab File ID: W04983.D Conc. Units: ug/L

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
3-Nitroaniline	Ave	0.3021			482	500		
Acenaphthene	Ave	1.125			564	500		
2,4-Dinitrophenol	Lin1				999	1000		
Dibenzofuran	Ave	1.583			568	500		
2,4-Dinitrotoluene	Ave	0.3590			506	500		
2,3,4,6-Tetrachlorophenol	Lin1				415	500		
4-Nitrophenol	Ave	0.1408			465	1000		
Diethyl phthalate	Ave	1.160			568	500		
Fluorene	Ave	1.236			573	500		
4-Chlorophenyl phenyl ether	Ave	0.6282			554	500		
4,6-Dinitro-2-methylphenol	Lin1				835	1000		
4-Nitroaniline	Ave	0.2432			492	500		
1,2-Diphenylhydrazine	Ave	1.242			582	500		
trans-Azobenzene	Ave	0.7230			589	500		
4-Bromophenyl phenyl ether	Ave	0.2249			527	500		
Hexachlorobenzene	Ave	0.2527			537	500		
Pentachlorophenol	Lin1				611	1000		
Phenanthrene	Ave	1.004			554	500		
Anthracene	Ave	1.042			560	500		
Carbazole	Ave	0.9075			537	500		
Di-n-butyl phthalate	Ave	1.069			557	500		
Fluoranthene	Ave	1.085			533	500		
Pyrene	Ave	1.060			630	500		
Butyl benzyl phthalate	Ave	0.4438			548	500		
Benzo[a]anthracene	Ave	1.019			525	500		
Chrysene	Ave	1.036			500	500		
Bis(2-ethylhexyl) phthalate	Ave	0.6565			494	500		
Di-n-octyl phthalate	Lin1				500	500		
Benzo[b]fluoranthene	Ave	1.025			499	500		
Benzo[k]fluoranthene	Ave	1.096			573	500		
Benzo[a]pyrene	Ave	1.004			511	500		
Indeno[1,2,3-cd]pyrene	Ave	0.9730			441	500		
Dibenz(a,h)anthracene	Ave	1.002			352	500		
Benzo[g,h,i]perylene	Ave	0.9866			311	500		
2-Fluorophenol (Surr)	Ave	1.214			516	500	103	20-120
Phenol-d5 (Surr)	Ave	1.545			502	500	100	16-120
Nitrobenzene-d5 (Surr)	Ave	0.3721			578	500	116	46-120
2-Fluorobiphenyl	Ave	1.245			567	500	113	48-120
2,4,6-Tribromophenol (Surr)	Ave	0.1225			456	500	91	52-132
p-Terphenyl-d14 (Surr)	Ave	0.7508			601	500	120	67-150

TestAmerica Buffalo
Target Compound Quantitation Report

Data File: \\Bufchrom\ChromData\HP5973W\20140317-30223.b\W04983.D
Lims ID: CCVL Lab Sample ID:
Client ID:
Sample Type: CCVL
Inject. Date: 17-Mar-2014 16:54:30 ALS Bottle#: 6 Worklist Smp#: 5
Injection Vol: 5.0 ul Dil. Factor: 1.0000
Sample Info: 480-0030223-005
Operator ID: rar Instrument ID: HP5973W
Sublist: chrom-W-LVI-8270*sub12

Method: \\Bufchrom\ChromData\HP5973W\20140317-30223.b\W-LVI-8270.m
Limit Group: MB - 8270D ICAL
Last Update: 17-Mar-2014 17:17:07 Calib Date: 06-Mar-2014 15:33:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\Bufchrom\ChromData\HP5973W\20140306-29988.b\W04766.D

Column 1 : RXI-5Sil MS (0.25 mm) Det: MS SCAN
Process Host: XAWRK048

First Level Reviewer: mckernar Date: 17-Mar-2014 17:17:07

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	On-Col Amt ng/uL	Flags
* 1 1,4-Dichlorobenzene-d4	152	5.434	5.434	0.0	95	413618	4.00	
* 2 Naphthalene-d8	136	6.481	6.481	0.0	100	1492256	4.00	
* 3 Acenaphthene-d10	164	7.923	7.923	0.0	94	829406	4.00	
* 4 Phenanthrene-d10	188	9.147	9.147	0.0	97	1408816	4.00	
* 5 Chrysene-d12	240	11.342	11.342	0.0	80	1226606	4.00	
* 6 Perylene-d12	264	12.881	12.881	0.0	86	1038921	4.00	
$ 7 2-Fluorophenol	112	4.451	4.451	0.0	87	64840	0.5164	
$ 8 Phenol-d5	99	5.274	5.274	0.0	0	80194	0.5018	
$ 9 Nitrobenzene-d5	82	5.893	5.893	0.0	76	80170	0.5776	
$ 10 2-Fluorobiphenyl	172	7.378	7.378	0.0	98	146378	0.5669	
$ 11 2,4,6-Tribromophenol	330	8.591	8.591	0.0	75	19655	0.4556	
$ 12 p-Terphenyl-d14	244	10.461	10.461	0.0	96	138291	0.6007	
55 1,4-Dioxane	88	2.757	2.757	0.0	91	30431	0.5395	
53 N-Nitrosodimethylamine	42	3.051	3.051	0.0	76	25448	0.5815	
52 Pyridine	52	3.089	3.089	0.0	94	42261	0.5136	
69 Aniline	93	5.183	5.183	0.0	97	104429	0.5243	
74 Bis(2-chloroethyl)ether	93	5.231	5.231	0.0	92	74862	0.5666	
72 Phenol	94	5.284	5.284	0.0	98	91868	0.5638	
75 2-Chlorophenol	128	5.306	5.306	0.0	89	71124	0.5294	
78 1,3-Dichlorobenzene	146	5.381	5.381	0.0	96	79441	0.5423	
77 1,4-Dichlorobenzene	146	5.445	5.445	0.0	77	81891	0.5486	
73 1,2-Dichlorobenzene	146	5.567	5.567	0.0	94	77499	0.5491	
79 Benzyl alcohol	108	5.594	5.594	0.0	86	47579	0.6702	
83 2,2'-oxybis[1-chloropropane]	45	5.674	5.674	0.0	92	96401	0.5899	
82 2-Methylphenol	108	5.738	5.738	0.0	96	62821	0.5293	
86 Acetophenone	105	5.776	5.776	0.0	96	95777	0.5514	
87 N-Nitrosodi-n-propylamine	70	5.781	5.781	0.0	87	50877	0.5667	
89 Hexachloroethane	117	5.840	5.840	0.0	97	32530	0.5378	
88 4-Methylphenol	108	5.877	5.877	0.0	91	61669	0.5261	
85 Nitrobenzene	77	5.909	5.909	0.0	83	83529	0.6152	
94 Isophorone	82	6.112	6.112	0.0	97	112972	0.5306	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	On-Col Amt ng/uL	Flags
97 2-Nitrophenol	139	6.176	6.176	0.0	94	35016	0.4998	
99 2,4-Dimethylphenol	107	6.278	6.278	0.0	95	56448	0.4825	
103 Bis(2-chloroethoxy)methane	93	6.305	6.305	0.0	98	87460	0.5960	
106 2,4-Dichlorophenol	162	6.428	6.428	0.0	89	39791	0.4260	
100 1,2,4-Trichlorobenzene	180	6.433	6.433	0.0	93	65357	0.5393	
107 Naphthalene	128	6.497	6.497	0.0	96	215314	0.5939	
108 4-Chloroaniline	127	6.572	6.572	0.0	84	69902	0.4649	
110 Hexachlorobutadiene	225	6.599	6.599	0.0	92	40889	0.5314	
117 4-Chloro-3-methylphenol	107	7.053	7.053	0.0	86	53003	0.5434	
121 2-Methylnaphthalene	142	7.063	7.063	0.0	88	176557	0.7595	
236 1-Methylnaphthalene	142	7.143	7.143	0.0	0	116276	NC	
125 Hexachlorocyclopentadiene	237	7.192	7.192	0.0	96	22894	0.3902	
124 1,2,4,5-Tetrachlorobenzene	216	7.202	7.202	0.0	96	65117	0.5357	
127 2,4,6-Trichlorophenol	196	7.341	7.341	0.0	86	36307	0.4978	
129 2,4,5-Trichlorophenol	196	7.416	7.416	0.0	92	32563	0.4817	
130 1,1'-Biphenyl	154	7.453	7.453	0.0	95	163040	0.6045	
131 2-Chloronaphthalene	162	7.464	7.464	0.0	98	124620	0.5631	
132 2-Nitroaniline	65	7.587	7.587	0.0	66	36647	0.5527	
134 Dimethyl phthalate	163	7.731	7.731	0.0	98	134363	0.5481	
139 1,3-Dinitrobenzene	168	7.763	7.763	0.0	79	21206	0.5123	
135 2,6-Dinitrotoluene	165	7.779	7.779	0.0	87	31002	0.5365	
137 Acenaphthylene	152	7.806	7.806	0.0	90	200344	0.5527	
140 3-Nitroaniline	138	7.945	7.945	0.0	69	30176	0.4817	
141 Acenaphthene	153	7.950	7.950	0.0	96	131515	0.5638	
142 2,4-Dinitrophenol	184	8.030	8.030	0.0	0	8429	1.00	M
145 Dibenzofuran	168	8.094	8.094	0.0	84	186563	0.5683	
144 2,4-Dinitrotoluene	165	8.110	8.110	0.0	82	37698	0.5064	
147 2,3,4,6-Tetrachlorophenol	232	8.233	8.233	0.0	60	23278	0.4155	
143 4-Nitrophenol	109	8.233	8.233	0.0	54	13586	0.4654	
149 Diethyl phthalate	149	8.308	8.308	0.0	95	136476	0.5675	
151 Fluorene	166	8.372	8.372	0.0	92	146868	0.5732	
152 4-Chlorophenyl phenyl ether	204	8.383	8.383	0.0	92	72142	0.5538	
154 4,6-Dinitro-2-methylphenol	198	8.447	8.447	0.0	72	25118	0.8353	
153 4-Nitroaniline	138	8.458	8.458	0.0	79	24810	0.4920	
158 Azobenzene	77	8.511	8.511	0.0	98	149896	0.5887	
159 1,2-Diphenylhydrazine	77	8.511	8.511	0.0	95	149896	0.5821	
164 4-Bromophenyl phenyl ether	248	8.784	8.784	0.0	60	41776	0.5274	
168 Hexachlorobenzene	284	8.821	8.821	0.0	90	47795	0.5369	
172 Pentachlorophenol	266	9.035	9.035	0.0	0	5817	0.6111	M
177 Phenanthrene	178	9.163	9.163	0.0	87	195766	0.5538	
180 Anthracene	178	9.200	9.200	0.0	98	205508	0.5600	
181 Carbazole	167	9.371	9.371	0.0	93	171531	0.5366	
184 Di-n-butyl phthalate	149	9.649	9.649	0.0	100	209564	0.5567	
191 Fluoranthene	202	10.135	10.135	0.0	97	203604	0.5329	
193 Pyrene	202	10.317	10.317	0.0	95	204723	0.6299	
200 Butyl benzyl phthalate	149	10.872	10.872	0.0	94	74567	0.5480	
205 Benzo[a]anthracene	228	11.332	11.332	0.0	88	164127	0.5250	
207 Chrysene	228	11.364	11.364	0.0	89	158950	0.5001	
206 Bis(2-ethylhexyl) phthalate	149	11.385	11.385	0.0	96	99366	0.4936	
208 Di-n-octyl phthalate	149	12.048	12.048	0.0	98	156076	0.5002	
209 Benzo[b]fluoranthene	252	12.432	12.432	0.0	86	132882	0.4992	
211 Benzo[k]fluoranthene	252	12.464	12.464	0.0	98	163176	0.5732	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	On-Col Amt ng/uL	Flags
213 Benzo[a]pyrene	252	12.806	12.806	0.0	73	133291	0.5113	
215 Indeno[1,2,3-cd]pyrene	276	14.185	14.185	0.0	96	111327	0.4405	
216 Dibenz(a,h)anthracene	278	14.227	14.227	0.0	60	91649	0.3523	
217 Benzo[g,h,i]perylene	276	14.516	14.516	0.0	83	79574	0.3105	
240 Hexadecane	57	9.077	9.077	0.0	80	89867	NR	
S 220 Total Cresols	1				0		1.06	
S 218 3 & 4 Methylphenol	108				0		0.5261	
S 219 3-Methylphenol	1				0		0.5261	

QC Flag Legend

Review Flags
M - Manually Integrated

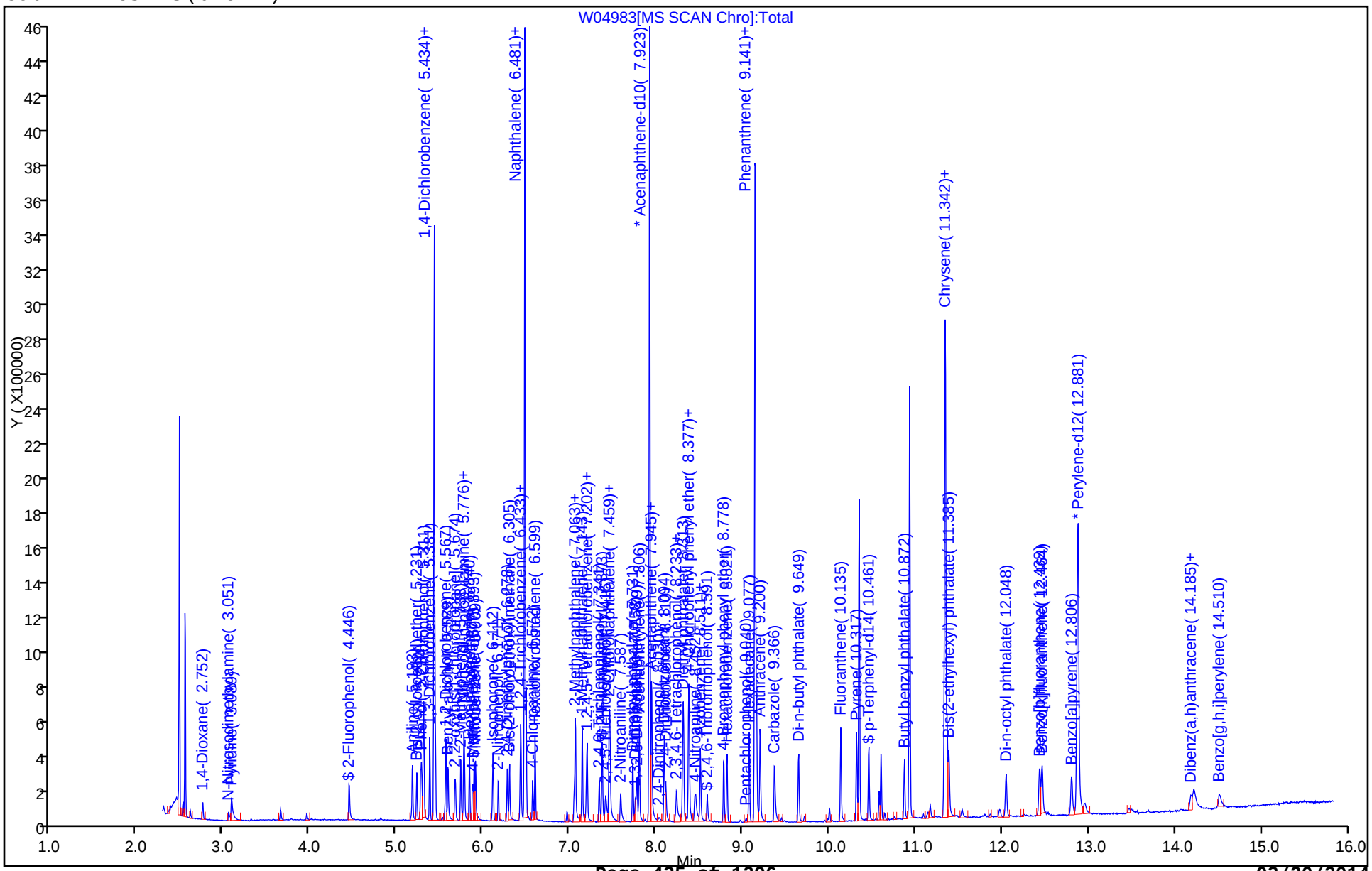
Report Date: 17-Mar-2014 17:17:08 Chrom Revision: 2.1 17-Feb-2014 09:05:58

TestAmerica Buffalo

Data File: \\Bufchrom\ChromData\HP5973W\20140317-30223.b\W04983.D

Injection Date:	17-Mar-2014 16:54:30	Instrument ID:	HP5973W	Operator ID:	rar
Lims ID:	CCVL	Lab Sample ID:		Worklist Smp#:	5
Client ID:					
Injection Vol:	5.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	6
Method:	W-LVI-8270	Limit Group:	MB - 8270D ICAL		

Column: RXI-5Sil MS (0.25 mm)



Manual Integration/User Assign Peak Report

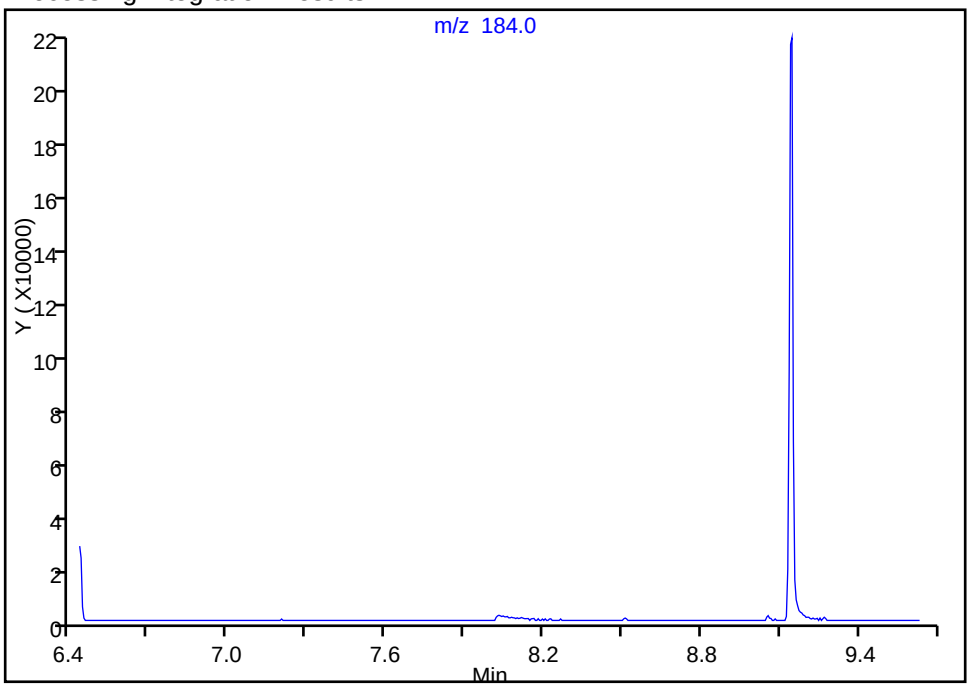
TestAmerica Buffalo

Data File:	\\Bufchrom\ChromData\HP5973W\20140317-30223.b\W04983.D				
Injection Date:	17-Mar-2014 16:54:30	Instrument ID:	HP5973W		
Lims ID:	CCVL	Lab Sample ID:			
Client ID:					
Operator ID:	rar	ALS Bottle#:	6	Worklist Smp#:	5
Injection Vol:	5.0 ul	Dil. Factor:	1.0000		
Method:	W-LVI-8270	Limit Group:	MB - 8270D ICAL		
Column:	RXI-5Sil MS (0.25 mm)	Detector	MS SCAN		

142 2,4-Dinitrophenol, CAS: 51-28-5

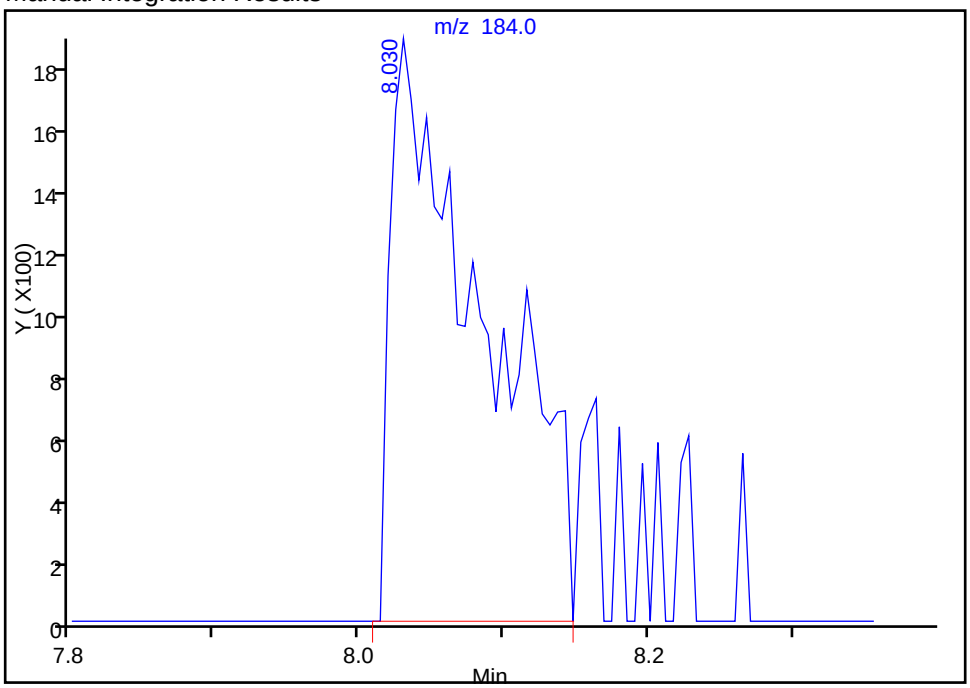
Not Detected
Expected RT: 8.03

Processing Integration Results



Manual Integration Results

RT: 8.03
Response: 8429
Amount: 0.999368



Reviewer: mckernar, 17-Mar-2014 17:17:07
Audit Action: Manually Integrated
Audit Reason: Assign Peak

Manual Integration/User Assign Peak Report

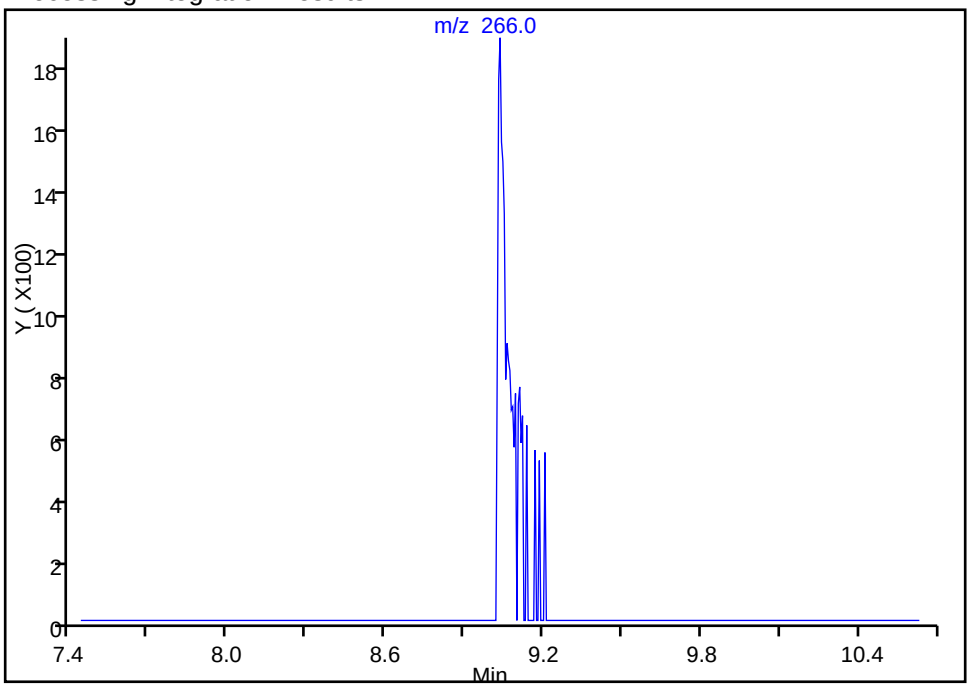
TestAmerica Buffalo

Data File: \\Bufchrom\ChromData\HP5973W\20140317-30223.b\W04983.D
Injection Date: 17-Mar-2014 16:54:30 Instrument ID: HP5973W
Lims ID: CCVL Lab Sample ID:
Client ID:
Operator ID: rar ALS Bottle#: 6 Worklist Smp#: 5
Injection Vol: 5.0 ul Dil. Factor: 1.0000
Method: W-LVI-8270 Limit Group: MB - 8270D ICAL
Column: RXI-5Sil MS (0.25 mm) Detector MS SCAN

172 Pentachlorophenol, CAS: 87-86-5

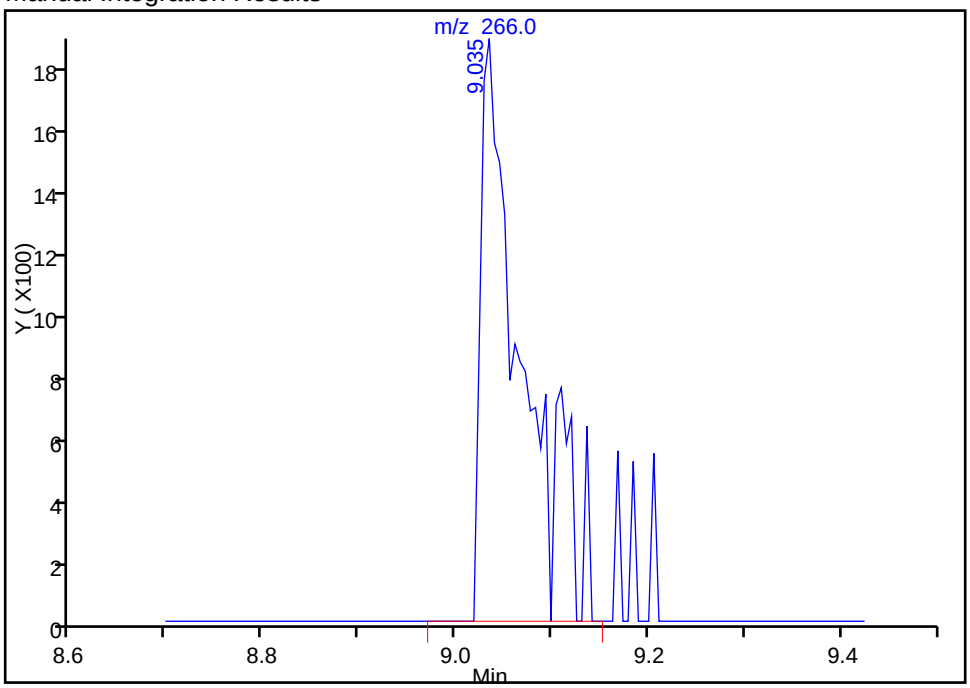
Not Detected
Expected RT: 9.03

Processing Integration Results



Manual Integration Results

RT: 9.03
Response: 5817
Amount: 0.611080



Reviewer: mckernar, 17-Mar-2014 17:17:07
Audit Action: Manually Integrated
Audit Reason: Assign Peak

TestAmerica Buffalo
Target Compound Quantitation Report

Data File: \\Bufchrom\ChromData\HP5973W\20140227-29803.b\W04551.D
Lims ID: DFTPP Lab Sample ID:
Client ID:
Sample Type: DFTPP
Inject. Date: 27-Feb-2014 02:17:30 ALS Bottle#: 2 Worklist Smp#: 2
Injection Vol: 5.0 ul Dil. Factor: 1.0000
Sample Info: 480-0029803-002
Operator ID: rar Instrument ID: HP5973W

Method: \\Bufchrom\ChromData\HP5973W\20140227-29803.b\W-LVI-8270.m
Limit Group: MB - 8270D ICAL
Last Update: 27-Feb-2014 02:48:04 Calib Date: 16-Jan-2014 14:46:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\Bufchrom\ChromData\HP5973W\20140116-28831.b\W03772.D

Column 1 : RXI-5Sil MS (0.25 mm) Det: MS SCAN
Process Host: XAWRK024

First Level Reviewer: rimmera Date: 27-Feb-2014 02:48:04

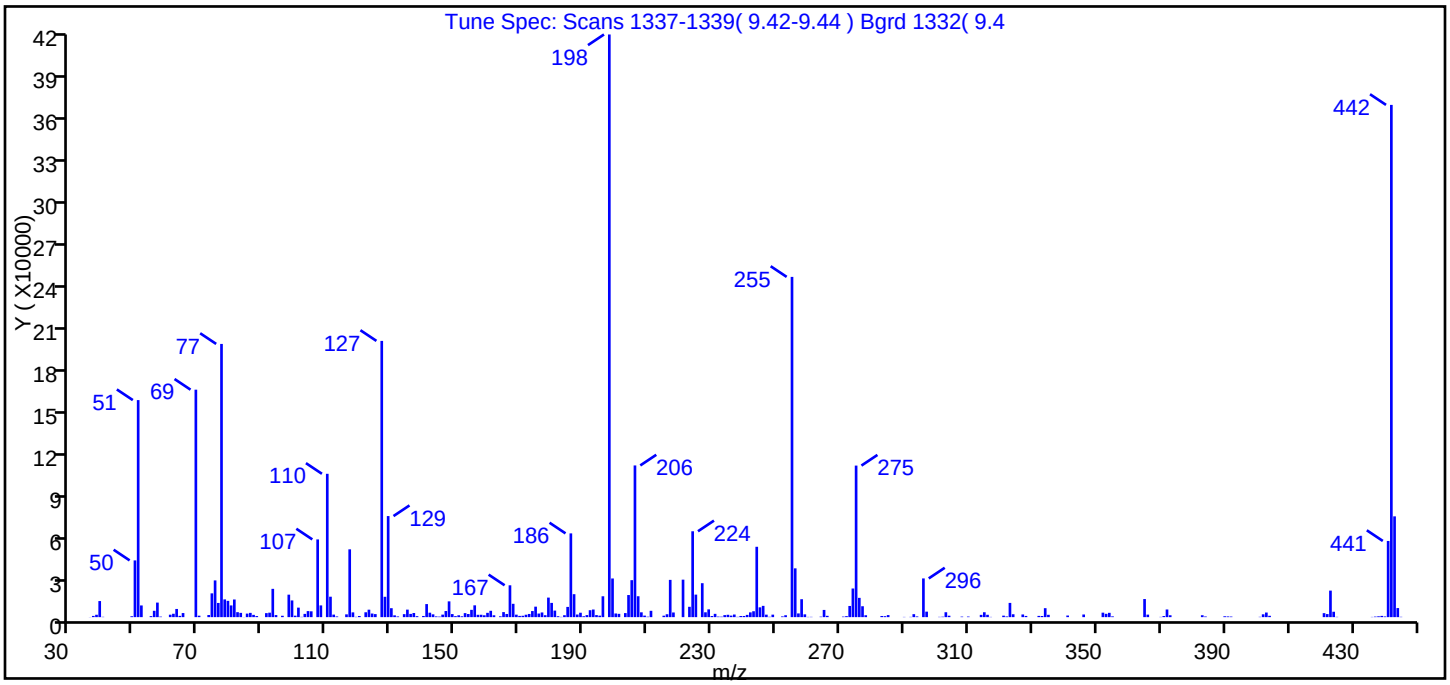
Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	On-Col Amt ng/uL	Flags
* 1 1,4-Dichlorobenzene-d4	152		5.338					
* 2 Naphthalene-d8	136		6.379					
* 3 Acenaphthene-d10	164		7.822					
* 4 Phenanthrene-d10	188		9.045					
* 5 Chrysene-d12	240		11.236					
* 6 Perylene-d12	264		12.737					
90 Pentachlorophenol_T	266	9.008	9.008	0.0	89	435549	NR	
98 DFTPP								
112 Benzidine_T	184	10.279	10.279	0.0	99	1968632	NR	
122 4,4'-DDE	246	10.434	10.434	0.0	1	1561	NR	
118 4,4'-DDD	235		10.600					
126 4,4'-DDT	235	10.963	10.963	0.0	98	1102137	NR	

MS Tune Report

TestAmerica Buffalo

Data File: \\Bufchrom\ChromData\HP5973W\20140227-29803.b\W04551.D
Injection Date: 27-Feb-2014 02:17:30 Instrument ID: HP5973W
Lims ID: DFTPP Lab Sample ID:
Client ID:
Operator ID: rar ALS Bottle#: 2 Worklist Smp#: 2
Injection Vol: 5.0 ul Dil. Factor: 1.0000
Method: W-LVI-8270 Limit Group: MB - 8270D ICAL
Tune Method: DFTPP Method 8270D, BP 198

98 DFTPP



m/z	Ion Abundance Criteria	% Relative Abundance
198	Base Peak, 100% relative abundance	100.00
51	10.00 - 80.00% of mass 198	37.20
68	Less than 2.00% of mass 69	0.00 (0.00)
69	Present	39.00
70	Less than 2.00% of mass 69	0.20 (0.60)
127	10.00 - 80.00% of mass 198	47.40
197	Less than 2.00% of mass 198	0.00
199	5.00 - 9.00% of mass 198	6.60
275	10.00 - 60.00% of mass 198	26.00
365	Greater than 1.00% of mass 198	3.10
441	Present, but Less than 24.00% of mass 442	13.10 (14.90)
442	Greater than 50.00% of mass 198	87.90
443	15.00 - 24.00% of mass 442	17.30 (19.70)

Data File: \\Bufchrom\ChromData\HP5973W\20140227-29803.b\W04551.D\W-LVI-8270.rslt\spectra.d
Injection Date: 27-Feb-2014 02:17:30
Spectrum: Tune Spec: Scans 1337-1339(9.42-9.44) Bgrd 1332(9.4
Base Peak: 198.00
Minimum % Base Peak: 0
Number of Points: 260

m/z	Y	m/z	Y	m/z	Y	m/z	Y
36.00	87	128.00	14633	196.00	15003	283.00	828
37.00	887	129.00	72664	198.00	418880	284.00	689
38.00	1710	130.00	6435	199.00	27800	285.00	1470
39.00	11564	131.00	1295	200.00	2632	290.00	166
40.00	230	132.00	507	201.00	2378	292.00	193
49.00	645	134.00	2151	203.00	2919	293.00	2139
50.00	40792	135.00	5404	204.00	15893	294.00	502
51.00	156032	136.00	2332	205.00	26584	296.00	27832
52.00	8407	137.00	2973	206.00	109056	297.00	3955
55.00	729	138.00	695	207.00	15022	301.00	205
56.00	4560	140.00	840	208.00	3470	302.00	319
57.00	10458	141.00	9393	209.00	1109	303.00	3526
58.00	373	142.00	3195	210.00	321	304.00	1029
61.00	1759	143.00	2016	211.00	4559	308.00	384
62.00	2435	144.00	522	215.00	1038	310.00	420
63.00	5886	145.00	385	216.00	2074	314.00	1634
64.00	918	146.00	1811	217.00	26792	315.00	3517
65.00	2942	147.00	4398	218.00	3357	316.00	1692
69.00	163520	148.00	11348	221.00	26952	317.00	169
70.00	1045	149.00	2200	223.00	7435	321.00	1069
73.00	1520	150.00	718	224.00	61728	322.00	497
74.00	17104	151.00	1335	225.00	16197	323.00	10234
75.00	26408	152.00	609	227.00	24408	324.00	2081
76.00	10203	153.00	2897	228.00	3488	327.00	1929
77.00	196416	154.00	2242	229.00	5594	328.00	868
78.00	12758	155.00	5243	230.00	804	332.00	900
79.00	11706	156.00	8491	231.00	2368	333.00	821
80.00	8418	157.00	1686	232.00	403	334.00	6443
81.00	12688	158.00	1712	233.00	343	335.00	1680
82.00	3572	159.00	1331	234.00	1460	341.00	1159
83.00	3074	160.00	3096	235.00	1699	346.00	1906
84.00	77	161.00	4566	236.00	1107	352.00	3224
85.00	2553	162.00	1338	237.00	1881	353.00	2387

Report Date: 27-Feb-2014 02:48:05 Chrom Revision: 2.1 17-Feb-2014 09:05:58
Data File: \\Bufchrom\ChromData\HP5973W\20140227-29803.b\W04551.D\W-LVI-8270.rslt\spectra.d
Injection Date: 27-Feb-2014 02:17:30
Spectrum: Tune Spec: Scans 1337-1339(9.42-9.44) Bgrd 1332(9.4
Base Peak: 198.00
Minimum % Base Peak: 0
Number of Points: 260

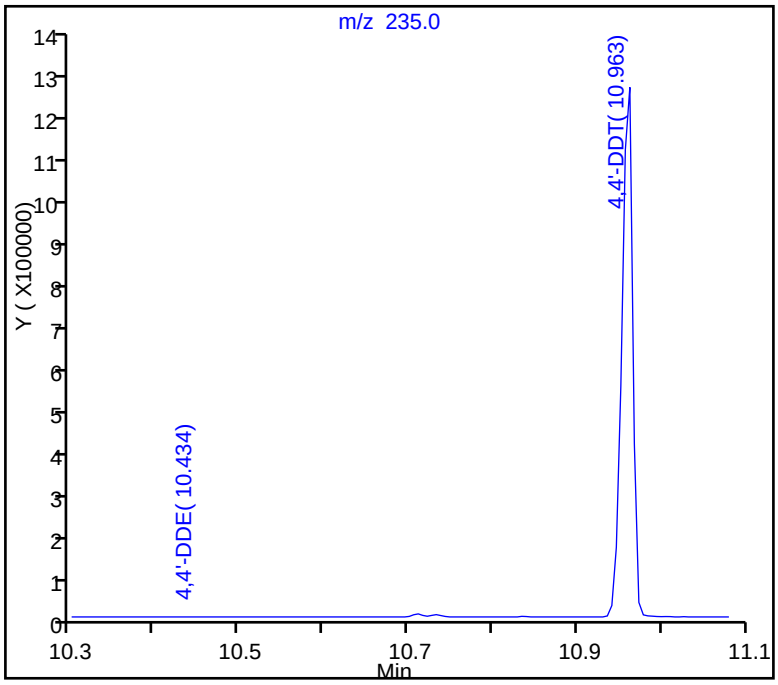
m/z	Y	m/z	Y	m/z	Y	m/z	Y
86.00	3071	164.00	581	238.00	213	354.00	3102
87.00	1642	165.00	3625	239.00	833	355.00	558
88.00	776	166.00	2277	240.00	830	365.00	13008
91.00	2888	167.00	22896	241.00	1614	366.00	1804
92.00	3208	168.00	9590	242.00	3427	370.00	176
93.00	20344	169.00	1782	243.00	4246	371.00	792
94.00	1484	170.00	898	244.00	50584	372.00	5507
96.00	986	171.00	996	245.00	7052	373.00	1349
98.00	16160	172.00	1739	246.00	8107	383.00	1375
99.00	12014	173.00	2283	247.00	1781	384.00	459
100.00	1052	174.00	4385	248.00	250	390.00	619
101.00	6838	175.00	7537	249.00	1798	391.00	508
102.00	194	176.00	2580	252.00	527	392.00	419
103.00	2341	177.00	3365	253.00	1363	401.00	229
104.00	4343	178.00	1393	255.00	244608	402.00	2043
105.00	4196	179.00	14050	256.00	35080	403.00	3318
107.00	55880	180.00	10244	257.00	2665	404.00	970
108.00	8437	181.00	4702	258.00	12895	421.00	2871
110.00	103048	182.00	658	259.00	2015	422.00	2203
111.00	14691	183.00	179	260.00	174	423.00	19072
112.00	1823	184.00	1384	261.00	203	424.00	3878
113.00	499	185.00	7357	264.00	346	425.00	207
116.00	2006	186.00	60216	265.00	5189	436.00	169
117.00	48752	187.00	16504	266.00	950	437.00	389
118.00	3433	188.00	1884	271.00	391	438.00	603
119.00	216	189.00	3173	272.00	715	439.00	895
120.00	830	190.00	627	273.00	8034	440.00	481
122.00	3501	191.00	1473	274.00	20592	441.00	54768
123.00	5358	192.00	4985	275.00	108952	442.00	368256
124.00	2594	193.00	5475	276.00	13863	443.00	72456
125.00	2189	194.00	1480	277.00	7838	444.00	6529
127.00	198592	195.00	1069	278.00	1361	445.00	233

Breakdown Report

TestAmerica Buffalo

Data File: \\Bufchrom\ChromData\HP5973W\20140227-29803.b\W04551.D
Injection Date: 27-Feb-2014 02:17:30 Instrument ID: HP5973W
Lims ID: DFTPP Lab Sample ID:
Client ID:
Operator ID: rar ALS Bottle#: 2 Worklist Smp#: 2
Injection Vol: 5.0 ul Dil. Factor: 1.0000
Method: W-LVI-8270 Limit Group: MB - 8270D ICAL

126 4,4'-DDT, Detector: MS SCAN



SW-846 Method

%Breakdown =
(Area Breakdown Cpnds/
Total Area Breakdown Cpnds) * 100

126 4,4'-DDT, Area = 1102137
118 4,4'-DDD, Area = 0
122 4,4'-DDE, Area = 1561

%Breakdown: 0.14%, Max Limit: 20.00%
Passed

Report Date: 27-Feb-2014 02:48:04 Chrom Revision: 2.1 17-Feb-2014 09:05:58

Peak Tailing Report

TestAmerica Buffalo

Data File: \\Bufchrom\ChromData\HP5973W\20140227-29803.b\W04551.D

Injection Date: 27-Feb-2014 02:17:30 Instrument ID: HP5973W

Lims ID: DFTPP Lab Sample ID:

Client ID:

Operator ID: rar ALS Bottle#: 2 Worklist Smp#: 2

Injection Vol: 5.0 ul Dil. Factor: 1.0000

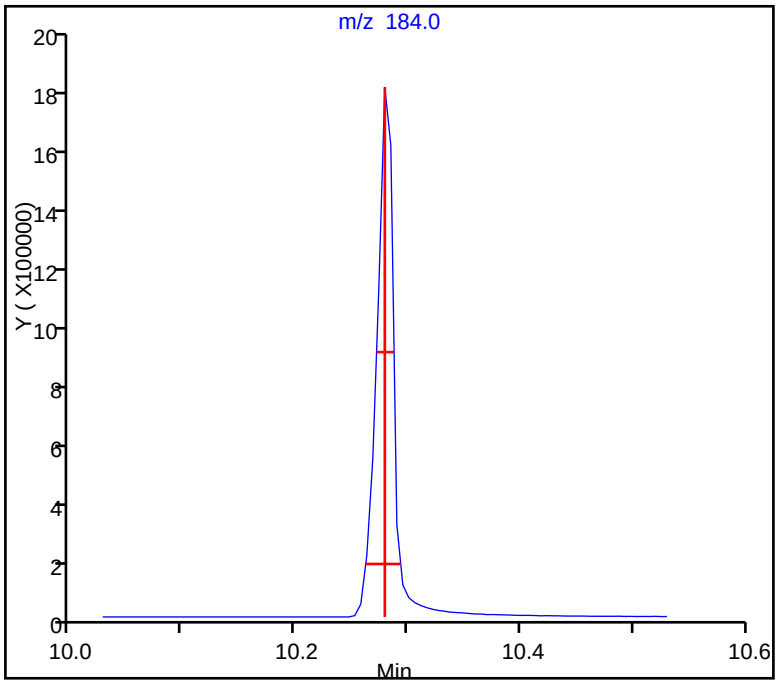
Method: W-LVI-8270 Limit Group: MB - 8270D ICAL

112 Benzidine_T, Detector: MS SCAN

Peak Tailing Factor =
BackWidth/FrontWidth @ 10% Peak Height

Back Width = 0.014 (min.)
Front Width = 0.017 (min.)

Tailing Factor = 0.8, Max. Tailing < 2.00
Passed



Report Date: 27-Feb-2014 02:48:04 Chrom Revision: 2.1 17-Feb-2014 09:05:58

Peak Tailing Report

TestAmerica Buffalo

Data File: \\Bufchrom\ChromData\HP5973W\20140227-29803.b\W04551.D

Injection Date: 27-Feb-2014 02:17:30 Instrument ID: HP5973W

Lims ID: DFTPP Lab Sample ID:

Client ID:

Operator ID: rar ALS Bottle#: 2 Worklist Smp#: 2

Injection Vol: 5.0 ul Dil. Factor: 1.0000

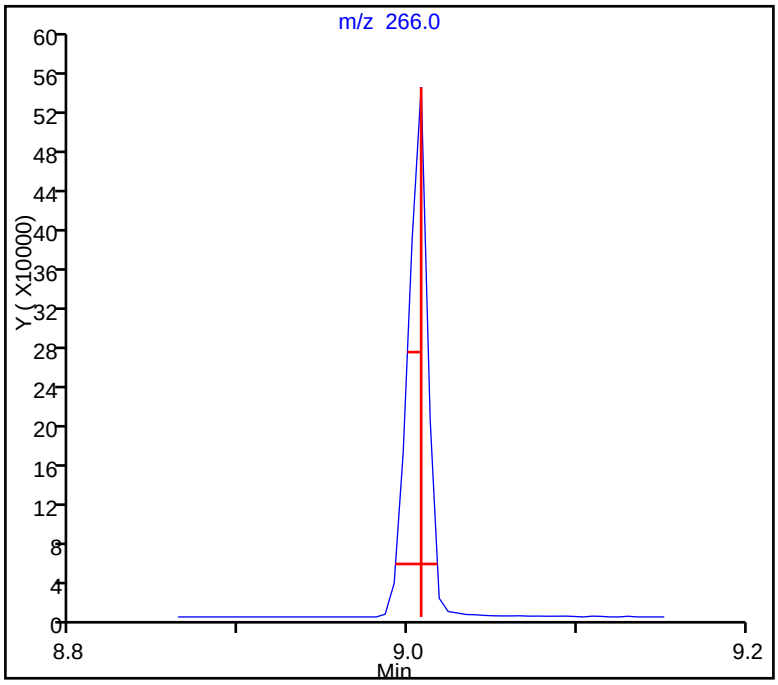
Method: W-LVI-8270 Limit Group: MB - 8270D ICAL

90 Pentachlorophenol_T, Detector: MS SCAN

Peak Tailing Factor =
BackWidth/FrontWidth @ 10% Peak Height

Back Width = 0.010 (min.)
Front Width = 0.015 (min.)

Tailing Factor = 0.6, Max. Tailing < 2.00
Passed



TestAmerica Buffalo
Target Compound Quantitation Report

Data File: \\Bufchrom\ChromData\HP5973W\20140306-29988.b\W04759.D
Lims ID: DFTPP Lab Sample ID:
Client ID:
Sample Type: DFTPP
Inject. Date: 06-Mar-2014 12:44:30 ALS Bottle#: 2 Worklist Smp#: 2
Injection Vol: 5.0 ul Dil. Factor: 1.0000
Sample Info: 480-0029988-002
Operator ID: rar Instrument ID: HP5973W

Method: \\Bufchrom\ChromData\HP5973W\20140306-29988.b\W-LVI-8270.m
Limit Group: MB - 8270D ICAL
Last Update: 06-Mar-2014 13:06:40 Calib Date: 28-Feb-2014 08:30:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\Bufchrom\ChromData\HP5973W\20140228-29836.b\W04608.D

Column 1 : RXI-5Sil MS (0.25 mm) Det: MS SCAN
Process Host: XAWRK022

First Level Reviewer: mckernar Date: 06-Mar-2014 13:06:40

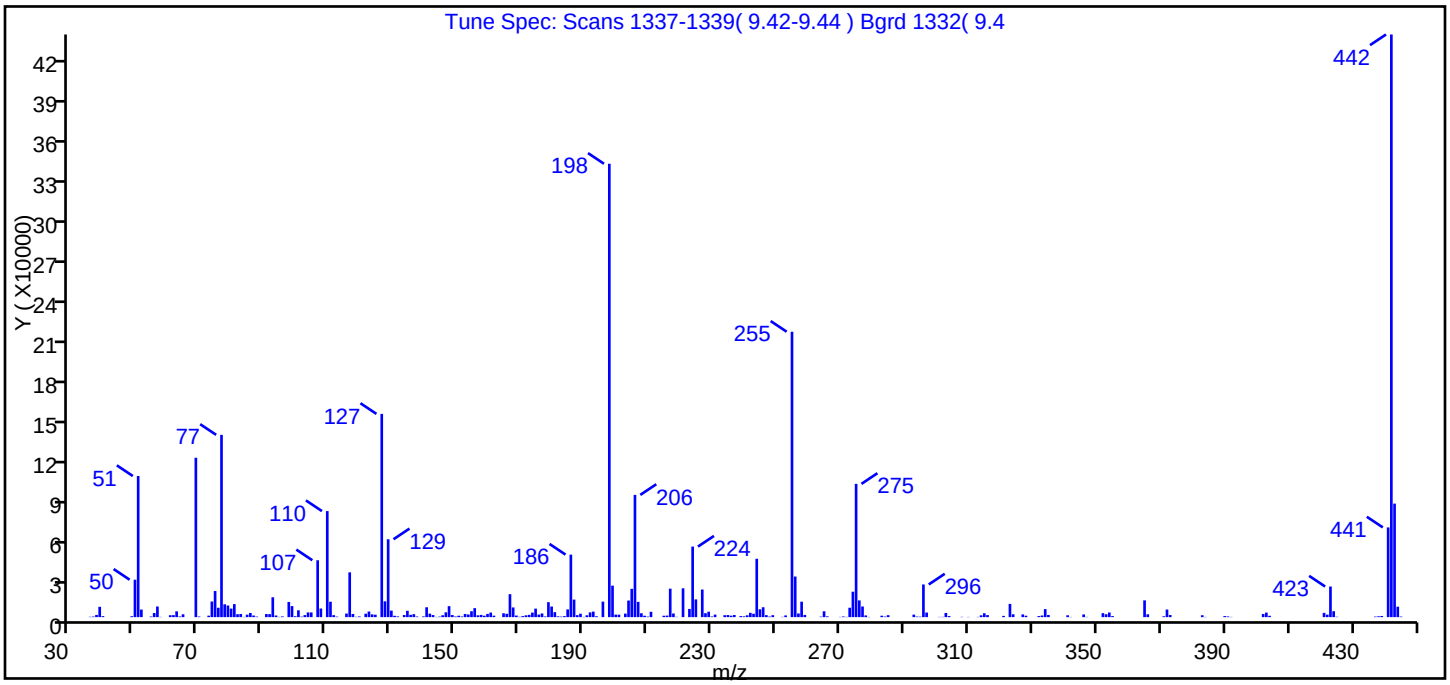
Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	On-Col Amt ng/uL	Flags
* 1 1,4-Dichlorobenzene-d4	152		5.466					
* 2 Naphthalene-d8	136		6.502					
* 3 Acenaphthene-d10	164		7.945					
* 4 Phenanthrene-d10	188		9.163					
* 5 Chrysene-d12	240		11.364					
* 6 Perylene-d12	264		12.902					
90 Pentachlorophenol_T	266	9.024	9.024	0.0	87	380619	NR	
98 DFTPP								
112 Benzidine_T	184	10.295	10.295	0.0	99	2083834	NR	
122 4,4'-DDE	246	10.439	10.439	0.0	1	1710	NR	
118 4,4'-DDD	235	10.712	10.712	0.0	1	4129	NR	
126 4,4'-DDT	235	10.963	10.963	0.0	97	1067531	NR	

MS Tune Report

TestAmerica Buffalo

Data File: \\Bufchrom\ChromData\HP5973W\20140306-29988.b\W04759.D
Injection Date: 06-Mar-2014 12:44:30 Instrument ID: HP5973W
Lims ID: DFTPP Lab Sample ID:
Client ID:
Operator ID: rar ALS Bottle#: 2 Worklist Smp#: 2
Injection Vol: 5.0 ul Dil. Factor: 1.0000
Method: W-LVI-8270 Limit Group: MB - 8270D ICAL
Tune Method: DFTPP Method 8270D, BP 198

98 DFTPP



m/z	Ion Abundance Criteria	% Relative Abundance
198	Base Peak, 100% relative abundance	100.00
51	10.00 - 80.00% of mass 198	31.10
68	Less than 2.00% of mass 69	0.00 (0.00)
69	Present	35.20
70	Less than 2.00% of mass 69	0.10 (0.40)
127	10.00 - 80.00% of mass 198	44.80
197	Less than 2.00% of mass 198	0.00
199	5.00 - 9.00% of mass 198	6.90
275	10.00 - 60.00% of mass 198	29.40
365	Greater than 1.00% of mass 198	3.70
441	Present, but Less than 24.00% of mass 442	19.80 (15.40)
442	Greater than 50.00% of mass 198	128.50
443	15.00 - 24.00% of mass 442	25.00 (19.50)

Data File: \\Bufchrom\ChromData\HP5973W\20140306-29988.b\W04759.D\W-LVI-8270.rslt\spectra.d
Injection Date: 06-Mar-2014 12:44:30
Spectrum: Tune Spec: Scans 1337-1339(9.42-9.44) Bgrd 1332(9.4
Base Peak: 442.00
Minimum % Base Peak: 0
Number of Points: 253

m/z	Y	m/z	Y	m/z	Y	m/z	Y
36.00	268	125.00	1820	194.00	665	283.00	1081
37.00	453	127.00	152640	196.00	11656	284.00	437
38.00	1657	128.00	11884	198.00	340480	285.00	1478
39.00	7772	129.00	58488	199.00	23648	293.00	1890
40.00	772	130.00	4899	200.00	1900	294.00	426
49.00	703	131.00	1015	201.00	1850	295.00	336
50.00	28104	132.00	543	203.00	2641	296.00	24536
51.00	105976	134.00	1585	204.00	12473	297.00	3463
52.00	5689	135.00	4769	205.00	21264	301.00	183
55.00	476	136.00	1741	206.00	91808	302.00	207
56.00	3088	137.00	2242	207.00	11477	303.00	3124
57.00	7999	138.00	463	208.00	2911	304.00	807
58.00	172	140.00	545	209.00	1052	308.00	226
61.00	1451	141.00	7420	210.00	406	310.00	167
62.00	1507	142.00	2609	211.00	4020	313.00	185
63.00	4348	143.00	1574	215.00	1061	314.00	1369
64.00	512	144.00	169	216.00	1166	315.00	2907
65.00	2164	145.00	393	217.00	21384	316.00	1555
69.00	119696	146.00	1406	218.00	2755	321.00	944
70.00	460	147.00	3623	219.00	223	323.00	9946
73.00	1101	148.00	8242	221.00	21672	324.00	2144
74.00	11744	149.00	1586	223.00	6169	327.00	2055
75.00	19600	150.00	473	224.00	52984	328.00	1078
76.00	7049	151.00	1072	225.00	13318	332.00	803
77.00	136896	152.00	516	227.00	20736	333.00	1225
78.00	9644	153.00	2390	228.00	2978	334.00	6033
79.00	8726	154.00	1990	229.00	4094	335.00	1642
80.00	6438	155.00	4458	230.00	490	341.00	1393
81.00	9793	156.00	6761	231.00	1916	342.00	167
82.00	2183	157.00	1365	234.00	1452	346.00	2040
83.00	2375	158.00	1670	235.00	1563	347.00	190
84.00	176	159.00	1080	236.00	1110	352.00	2999
85.00	1864	160.00	2426	237.00	1600	353.00	2178

Report Date: 06-Mar-2014 13:06:41 Chrom Revision: 2.1 17-Feb-2014 09:05:58
Data File: \\Bufchrom\ChromData\HP5973W\20140306-29988.b\W04759.D\W-LVI-8270.rslt\spectra.d
Injection Date: 06-Mar-2014 12:44:30
Spectrum: Tune Spec: Scans 1337-1339(9.42-9.44) Bgrd 1332(9.4
Base Peak: 442.00
Minimum % Base Peak: 0
Number of Points: 253

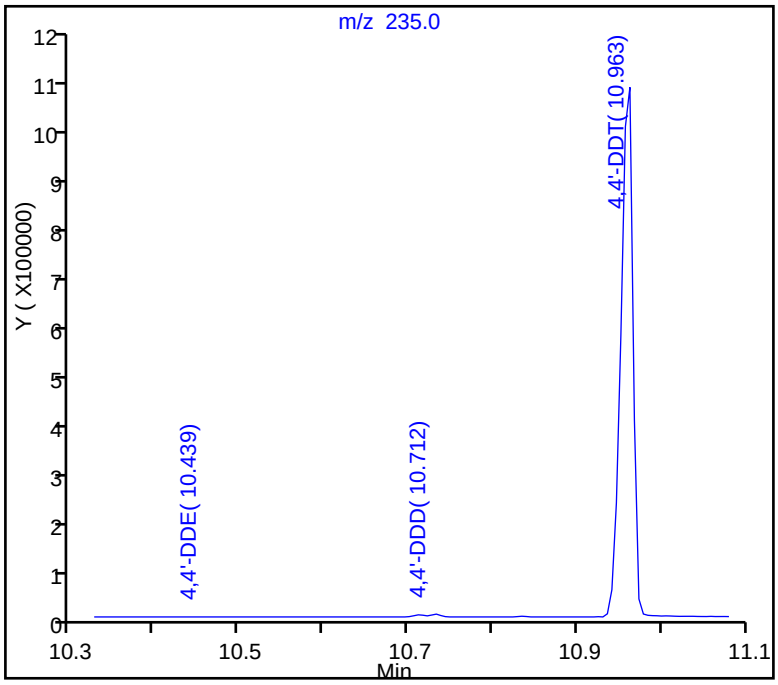
m/z	Y	m/z	Y	m/z	Y	m/z	Y
86.00	3149	161.00	3428	239.00	783	354.00	3475
87.00	1219	162.00	1105	240.00	591	355.00	795
88.00	413	165.00	2921	241.00	1374	365.00	12596
91.00	2341	166.00	2494	242.00	3242	366.00	2137
92.00	2270	167.00	17240	243.00	2549	371.00	643
93.00	14905	168.00	7285	244.00	43832	372.00	5721
94.00	1235	169.00	1207	245.00	5885	373.00	1577
95.00	186	170.00	259	246.00	7430	383.00	1431
96.00	538	171.00	780	247.00	1495	384.00	169
98.00	11405	172.00	1380	248.00	436	390.00	803
99.00	8298	173.00	1747	249.00	1483	391.00	531
100.00	667	174.00	3413	252.00	208	392.00	180
101.00	5149	175.00	6397	253.00	1291	402.00	2362
102.00	359	176.00	1923	255.00	214336	403.00	3416
103.00	1542	177.00	2784	256.00	30496	404.00	1033
104.00	3528	178.00	490	257.00	2732	421.00	3203
105.00	3519	179.00	11234	258.00	11605	422.00	1886
107.00	42728	180.00	7956	259.00	1664	423.00	22992
108.00	6475	181.00	3754	264.00	376	424.00	4470
110.00	79648	182.00	602	265.00	4419	425.00	293
111.00	11579	183.00	382	266.00	596	437.00	414
112.00	1494	184.00	764	270.00	175	438.00	629
113.00	390	185.00	5822	271.00	494	439.00	881
116.00	2718	186.00	46960	272.00	195	441.00	67384
117.00	33648	187.00	13185	273.00	7072	442.00	437568
118.00	2363	188.00	1502	274.00	19096	443.00	85256
119.00	241	189.00	2595	275.00	100080	444.00	7841
120.00	526	190.00	186	276.00	12566	445.00	413
122.00	2583	191.00	1399	277.00	7996		
123.00	4221	192.00	3574	278.00	1283		
124.00	2084	193.00	4147	279.00	166		

Breakdown Report

TestAmerica Buffalo

Data File: \\Bufchrom\ChromData\HP5973W\20140306-29988.b\W04759.D
Injection Date: 06-Mar-2014 12:44:30 Instrument ID: HP5973W
Lims ID: DFTPP Lab Sample ID:
Client ID:
Operator ID: rar ALS Bottle#: 2 Worklist Smp#: 2
Injection Vol: 5.0 ul Dil. Factor: 1.0000
Method: W-LVI-8270 Limit Group: MB - 8270D ICAL

126 4,4'-DDT, Detector: MS SCAN



SW-846 Method

%Breakdown =
(Area Breakdown Cpnds/
Total Area Breakdown Cpnds) * 100

126 4,4'-DDT, Area = 1067531
118 4,4'-DDD, Area = 4129
122 4,4'-DDE, Area = 1710

%Breakdown: 0.54%, Max Limit: 20.00%
Passed

Peak Tailing Report

TestAmerica Buffalo

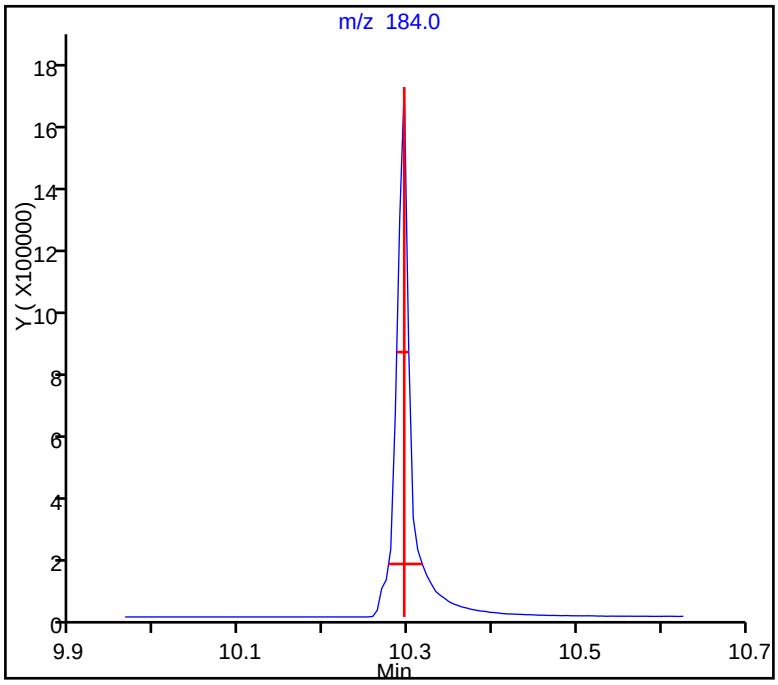
Data File: \\Bufchrom\ChromData\HP5973W\20140306-29988.b\W04759.D
Injection Date: 06-Mar-2014 12:44:30 Instrument ID: HP5973W
Lims ID: DFTPP Lab Sample ID:
Client ID:
Operator ID: rar ALS Bottle#: 2 Worklist Smp#: 2
Injection Vol: 5.0 ul Dil. Factor: 1.0000
Method: W-LVI-8270 Limit Group: MB - 8270D ICAL

112 Benzidine_T, Detector: MS SCAN

Peak Tailing Factor =
BackWidth/FrontWidth @ 10% Peak Height

Back Width = 0.021 (min.)
Front Width = 0.019 (min.)

Tailing Factor = 1.1, Max. Tailing < 2.00
Passed



Peak Tailing Report

TestAmerica Buffalo

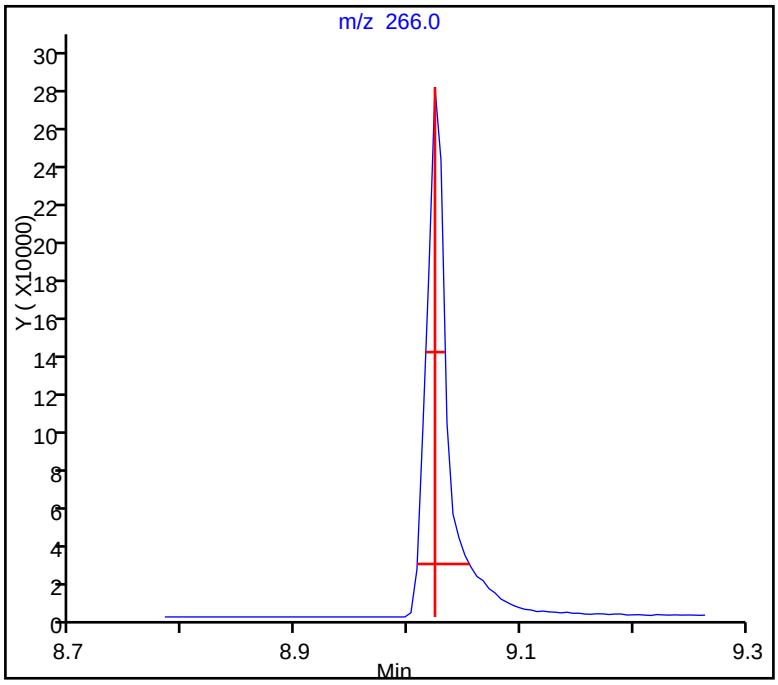
Data File: \\Bufchrom\ChromData\HP5973W\20140306-29988.b\W04759.D
Injection Date: 06-Mar-2014 12:44:30 Instrument ID: HP5973W
Lims ID: DFTPP Lab Sample ID:
Client ID:
Operator ID: rar ALS Bottle#: 2 Worklist Smp#: 2
Injection Vol: 5.0 ul Dil. Factor: 1.0000
Method: W-LVI-8270 Limit Group: MB - 8270D ICAL

90 Pentachlorophenol_T, Detector: MS SCAN

Peak Tailing Factor =
BackWidth/FrontWidth @ 10% Peak Height

Back Width = 0.031 (min.)
Front Width = 0.016 (min.)

Tailing Factor = 1.9, Max. Tailing < 2.00
Passed



TestAmerica Buffalo
Target Compound Quantitation Report

Data File: \\Bufchrom\ChromData\HP5973W\20140317-30223.b\W04980.D
Lims ID: DFTPP Lab Sample ID:
Client ID:
Sample Type: DFTPP
Inject. Date: 17-Mar-2014 15:42:30 ALS Bottle#: 3 Worklist Smp#: 2
Injection Vol: 5.0 ul Dil. Factor: 1.0000
Sample Info: 480-0030223-002
Operator ID: rar Instrument ID: HP5973W

Method: \\Bufchrom\ChromData\HP5973W\20140317-30223.b\W-LVI-8270.m
Limit Group: MB - 8270D ICAL
Last Update: 17-Mar-2014 16:03:16 Calib Date: 06-Mar-2014 15:33:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\Bufchrom\ChromData\HP5973W\20140306-29988.b\W04766.D

Column 1 : RXI-5Sil MS (0.25 mm) Det: MS SCAN
Process Host: XAWRK048

First Level Reviewer: mckernar Date: 17-Mar-2014 16:03:16

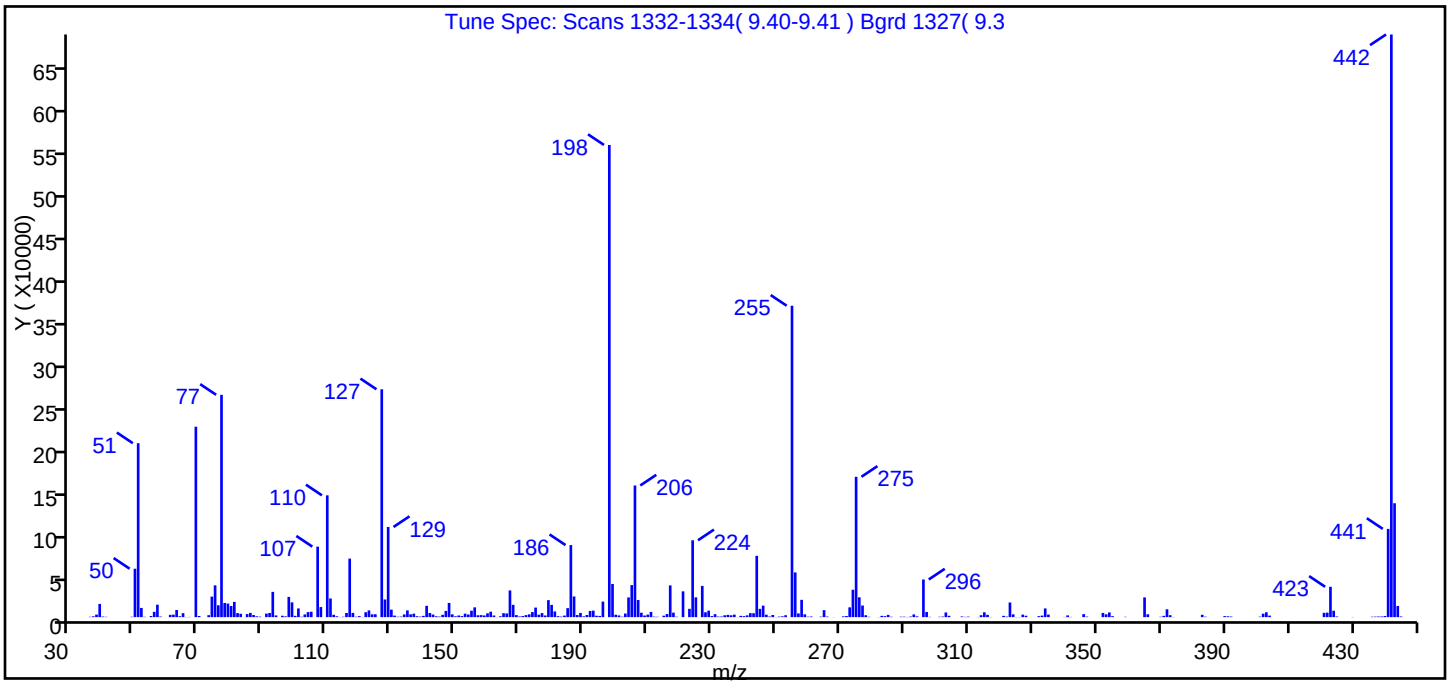
Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	On-Col Amt ng/uL	Flags
* 1 1,4-Dichlorobenzene-d4	152		5.434					
* 2 Naphthalene-d8	136		6.486					
* 3 Acenaphthene-d10	164		7.929					
* 4 Phenanthrene-d10	188		9.147					
* 5 Chrysene-d12	240		11.348					
* 6 Perylene-d12	264		12.881					
90 Pentachlorophenol_T	266	9.024	9.024	0.0	88	535371	NR	
98 DFTPP								
112 Benzidine_T	184	10.290	10.290	0.0	98	3418661	NR	
122 4,4'-DDE	246	10.418	10.418	0.0	61	8969	NR	
118 4,4'-DDD	235	10.696	10.696	0.0	89	69394	NR	
126 4,4'-DDT	235	10.942	10.942	0.0	97	1724562	NR	

MS Tune Report

TestAmerica Buffalo

Data File: \\Bufchrom\ChromData\HP5973W\20140317-30223.b\W04980.D
Injection Date: 17-Mar-2014 15:42:30 Instrument ID: HP5973W
Lims ID: DFTPP Lab Sample ID:
Client ID:
Operator ID: rar ALS Bottle#: 3 Worklist Smp#: 2
Injection Vol: 5.0 ul Dil. Factor: 1.0000
Method: W-LVI-8270 Limit Group: MB - 8270D ICAL
Tune Method: DFTPP Method 8270D, BP 198

98 DFTPP



m/z	Ion Abundance Criteria	% Relative Abundance
198	Base Peak, 100% relative abundance	100.00
51	10.00 - 80.00% of mass 198	36.80
68	Less than 2.00% of mass 69	0.00 (0.00)
69	Present	40.30
70	Less than 2.00% of mass 69	0.20 (0.60)
127	10.00 - 80.00% of mass 198	48.30
197	Less than 2.00% of mass 198	0.00
199	5.00 - 9.00% of mass 198	7.00
275	10.00 - 60.00% of mass 198	29.70
365	Greater than 1.00% of mass 198	4.20
441	Present, but Less than 24.00% of mass 442	18.70 (15.10)
442	Greater than 50.00% of mass 198	123.40
443	15.00 - 24.00% of mass 442	24.10 (19.50)

Data File: \\Bufchrom\ChromData\HP5973W\20140317-30223.b\W04980.D\W-LVI-8270.rslt\spectra.d
Injection Date: 17-Mar-2014 15:42:30
Spectrum: Tune Spec: Scans 1332-1334(9.40-9.41) Bgrd 1327(9.3
Base Peak: 442.00
Minimum % Base Peak: 0
Number of Points: 296

m/z	Y	m/z	Y	m/z	Y	m/z	Y
36.00	389	128.00	20792	203.00	4236	290.00	524
37.00	994	129.00	106040	204.00	23208	291.00	189
38.00	3003	130.00	8847	205.00	37680	292.00	718
39.00	15528	131.00	1811	206.00	154816	293.00	3181
40.00	691	132.00	503	207.00	20120	294.00	955
41.00	376	133.00	650	208.00	5199	296.00	44288
49.00	448	134.00	3176	209.00	1911	297.00	6039
50.00	56944	135.00	7907	210.00	2970	298.00	346
51.00	204544	136.00	3327	211.00	6151	301.00	431
52.00	10827	137.00	4109	212.00	618	302.00	675
53.00	376	138.00	1078	213.00	435	303.00	5491
55.00	1301	139.00	641	215.00	1714	304.00	1588
56.00	6268	140.00	1520	216.00	3640	308.00	793
57.00	14647	141.00	13331	217.00	37336	309.00	346
58.00	659	142.00	4821	218.00	5287	310.00	606
61.00	2754	143.00	3036	219.00	514	313.00	191
62.00	2921	144.00	1036	221.00	30344	314.00	2261
63.00	8432	145.00	686	223.00	9774	315.00	5689
64.00	1058	146.00	2740	224.00	90400	316.00	2742
65.00	4680	147.00	7312	225.00	23296	317.00	200
66.00	173	148.00	16712	227.00	36680	321.00	1532
67.00	252	149.00	3292	228.00	5740	322.00	646
69.00	223936	150.00	980	229.00	7632	323.00	17216
70.00	1343	151.00	1939	230.00	1252	324.00	3309
73.00	2296	152.00	1229	231.00	3460	325.00	196
74.00	24160	153.00	4121	232.00	692	326.00	169
75.00	37392	154.00	3074	233.00	748	327.00	2951
76.00	13978	155.00	7615	234.00	2196	328.00	1659
77.00	261440	156.00	11516	235.00	2701	332.00	1154
78.00	16656	157.00	2205	236.00	2183	333.00	1812
79.00	15941	158.00	2396	237.00	2958	334.00	10251
80.00	13072	159.00	1960	238.00	190	335.00	3009
81.00	17936	160.00	4508	239.00	1529	340.00	216

Report Date: 17-Mar-2014 16:03:17 Chrom Revision: 2.1 17-Feb-2014 09:05:58
Data File: \\Bufchrom\ChromData\HP5973W\20140317-30223.b\W04980.D\W-LVI-8270.rslt\spectra.d
Injection Date: 17-Mar-2014 15:42:30
Spectrum: Tune Spec: Scans 1332-1334(9.40-9.41) Bgrd 1327(9.3
Base Peak: 442.00
Minimum % Base Peak: 0
Number of Points: 296

m/z	Y	m/z	Y	m/z	Y	m/z	Y
82.00	4779	161.00	6391	240.00	1178	341.00	2071
83.00	3966	162.00	1949	241.00	2128	342.00	241
84.00	93	163.00	194	242.00	4706	346.00	3549
85.00	3603	164.00	1024	243.00	4621	347.00	652
86.00	5010	165.00	4631	244.00	72088	352.00	4982
87.00	2501	166.00	4362	245.00	9759	353.00	3347
88.00	957	167.00	31400	246.00	13520	354.00	5507
89.00	598	168.00	14495	247.00	2860	355.00	1151
91.00	4159	169.00	2426	248.00	754	359.00	374
92.00	4893	170.00	810	249.00	2549	365.00	23208
93.00	29728	171.00	1299	250.00	169	366.00	3354
94.00	2029	172.00	2419	251.00	655	370.00	448
96.00	1646	173.00	3310	252.00	944	371.00	1514
97.00	890	174.00	5985	253.00	2229	372.00	9258
98.00	23808	175.00	11250	255.00	366208	373.00	2306
99.00	17368	176.00	2841	256.00	52576	374.00	215
100.00	1532	177.00	4766	257.00	4366	383.00	2756
101.00	10251	178.00	1949	258.00	20328	384.00	514
102.00	482	179.00	19992	259.00	3305	390.00	1206
103.00	3169	180.00	14404	260.00	549	391.00	1002
104.00	5934	181.00	6682	261.00	733	392.00	689
105.00	6369	182.00	1141	264.00	578	401.00	569
107.00	82920	183.00	617	265.00	8213	402.00	4048
108.00	11864	184.00	1833	266.00	649	403.00	5714
110.00	143232	185.00	10593	268.00	121	404.00	1800
111.00	21952	186.00	84752	270.00	21	421.00	5111
112.00	2768	187.00	24312	271.00	925	422.00	5304
113.00	1015	188.00	2498	272.00	1336	423.00	35696
114.00	187	189.00	4977	273.00	11527	424.00	7538
115.00	465	190.00	902	274.00	32208	425.00	760
116.00	4876	191.00	2516	275.00	165056	430.00	186
117.00	68840	192.00	7282	276.00	23304	436.00	503
118.00	4989	193.00	7653	277.00	13668	437.00	602
119.00	508	194.00	1687	278.00	2245	438.00	736

Report Date: 17-Mar-2014 16:03:17 Chrom Revision: 2.1 17-Feb-2014 09:05:58
Data File: \\Bufchrom\ChromData\HP5973W\20140317-30223.b\W04980.D\W-LVI-8270.rslt\spectra.d
Injection Date: 17-Mar-2014 15:42:30
Spectrum: Tune Spec: Scans 1332-1334(9.40-9.41) Bgrd 1327(9.3
Base Peak: 442.00
Minimum % Base Peak: 0
Number of Points: 296

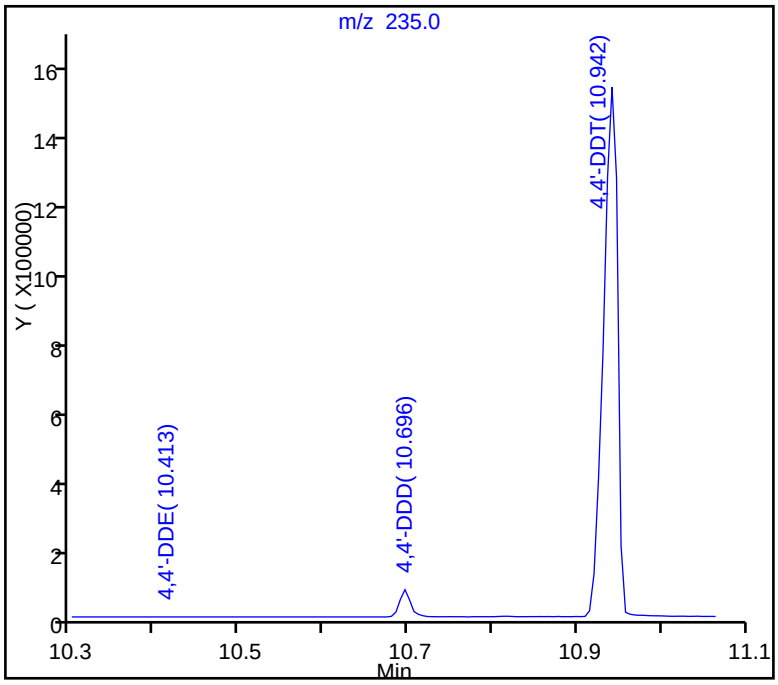
m/z	Y	m/z	Y	m/z	Y	m/z	Y
120.00	1203	195.00	1429	279.00	439	439.00	779
121.00	194	196.00	18288	282.00	177	440.00	1313
122.00	5763	198.00	555264	283.00	1522	441.00	103776
123.00	7917	199.00	39016	284.00	1141	442.00	685184
124.00	3315	200.00	2826	285.00	2662	443.00	133952
125.00	3416	201.00	1997	286.00	468	444.00	13086
127.00	267968	202.00	557	289.00	516	445.00	784

Breakdown Report

TestAmerica Buffalo

Data File: \\Bufchrom\ChromData\HP5973W\20140317-30223.b\W04980.D
Injection Date: 17-Mar-2014 15:42:30 Instrument ID: HP5973W
Lims ID: DFTPP Lab Sample ID:
Client ID:
Operator ID: rar ALS Bottle#: 3 Worklist Smp#: 2
Injection Vol: 5.0 ul Dil. Factor: 1.0000
Method: W-LVI-8270 Limit Group: MB - 8270D ICAL

126 4,4'-DDT, Detector: MS SCAN



SW-846 Method

%Breakdown =
(Area Breakdown Cpnds/
Total Area Breakdown Cpnds) * 100

126 4,4'-DDT, Area = 1724562
118 4,4'-DDD, Area = 69394
122 4,4'-DDE, Area = 8969

%Breakdown: 4.35%, Max Limit: 20.00%
Passed

Peak Tailing Report

TestAmerica Buffalo

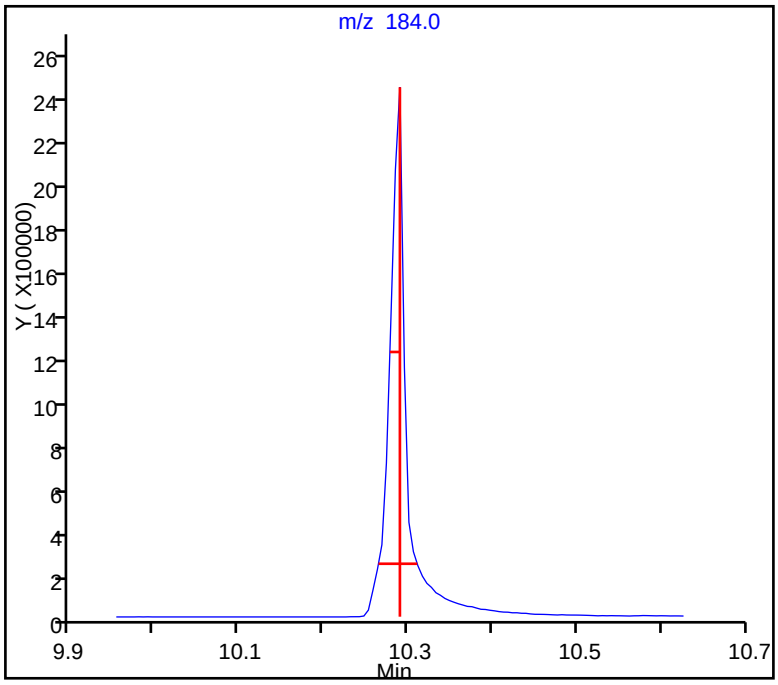
Data File: \\Bufchrom\ChromData\HP5973W\20140317-30223.b\W04980.D
Injection Date: 17-Mar-2014 15:42:30 Instrument ID: HP5973W
Lims ID: DFTPP Lab Sample ID:
Client ID:
Operator ID: rar ALS Bottle#: 3 Worklist Smp#: 2
Injection Vol: 5.0 ul Dil. Factor: 1.0000
Method: W-LVI-8270 Limit Group: MB - 8270D ICAL

112 Benzidine_T, Detector: MS SCAN

Peak Tailing Factor =
BackWidth/FrontWidth @ 10% Peak Height

Back Width = 0.021 (min.)
Front Width = 0.025 (min.)

Tailing Factor = 0.8, Max. Tailing < 2.00
Passed



Peak Tailing Report

TestAmerica Buffalo

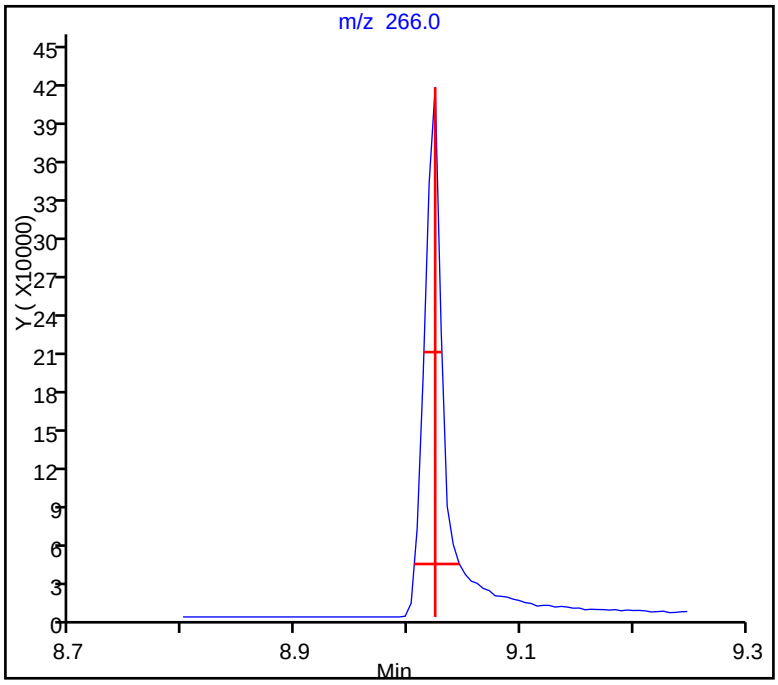
Data File: \\Bufchrom\ChromData\HP5973W\20140317-30223.b\W04980.D
Injection Date: 17-Mar-2014 15:42:30 Instrument ID: HP5973W
Lims ID: DFTPP Lab Sample ID:
Client ID:
Operator ID: rar ALS Bottle#: 3 Worklist Smp#: 2
Injection Vol: 5.0 ul Dil. Factor: 1.0000
Method: W-LVI-8270 Limit Group: MB - 8270D ICAL

90 Pentachlorophenol_T, Detector: MS SCAN

Peak Tailing Factor =
BackWidth/FrontWidth @ 10% Peak Height

Back Width = 0.021 (min.)
Front Width = 0.019 (min.)

Tailing Factor = 1.2, Max. Tailing < 2.00
Passed



FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Buffalo | Job No.: 480-55783-1

SDG No.:

Client Sample ID: | Lab Sample ID: MB 480-169810/1-A

Matrix: Water | Lab File ID: W04987.D

Analysis Method: 8270D | Date Collected:

Extract. Method: 3510C | Date Extracted: 03/13/2014 06:53

Sample wt/vol: 250(mL) | Date Analyzed: 03/17/2014 18:31

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

Injection Volume: 5(uL) | Level: (low/med) Low

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

Analysis Batch No.: 170376 | Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
95-95-4	2,4,5-Trichlorophenol	ND		5.0	0.48
88-06-2	2,4,6-Trichlorophenol	ND		5.0	0.61
120-83-2	2,4-Dichlorophenol	ND		5.0	0.51
105-67-9	2,4-Dimethylphenol	ND		5.0	0.50
51-28-5	2,4-Dinitrophenol	ND		10	2.2
121-14-2	2,4-Dinitrotoluene	ND		5.0	0.45
606-20-2	2,6-Dinitrotoluene	ND		5.0	0.40
91-58-7	2-Chloronaphthalene	ND		5.0	0.46
95-57-8	2-Chlorophenol	ND		5.0	0.53
91-57-6	2-Methylnaphthalene	ND		5.0	0.60
95-48-7	2-Methylphenol	ND		5.0	0.40
88-74-4	2-Nitroaniline	ND		10	0.42
88-75-5	2-Nitrophenol	ND		5.0	0.48
91-94-1	3,3'-Dichlorobenzidine	ND		5.0	0.40
99-09-2	3-Nitroaniline	ND		10	0.48
534-52-1	4,6-Dinitro-2-methylphenol	ND		10	2.2
101-55-3	4-Bromophenyl phenyl ether	ND		5.0	0.45
59-50-7	4-Chloro-3-methylphenol	ND		5.0	0.45
106-47-8	4-Chloroaniline	ND		5.0	0.59
7005-72-3	4-Chlorophenyl phenyl ether	ND		5.0	0.35
106-44-5	4-Methylphenol	ND		10	0.36
100-01-6	4-Nitroaniline	ND		10	0.25
100-02-7	4-Nitrophenol	ND		10	1.5
83-32-9	Acenaphthene	ND		5.0	0.41
208-96-8	Acenaphthylene	ND		5.0	0.38
98-86-2	Acetophenone	ND		5.0	0.54
120-12-7	Anthracene	ND		5.0	0.28
1912-24-9	Atrazine	ND		5.0	0.46
100-52-7	Benzaldehyde	ND		5.0	0.27
56-55-3	Benzo[a]anthracene	ND		5.0	0.36
50-32-8	Benzo[a]pyrene	ND		5.0	0.47
205-99-2	Benzo[b]fluoranthene	ND		5.0	0.34
191-24-2	Benzo[g,h,i]perylene	ND		5.0	0.35
207-08-9	Benzo[k]fluoranthene	ND		5.0	0.73

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Buffalo | Job No.: 480-55783-1

SDG No.:

Client Sample ID: | Lab Sample ID: MB 480-169810/1-A

Matrix: Water | Lab File ID: W04987.D

Analysis Method: 8270D | Date Collected:

Extract. Method: 3510C | Date Extracted: 03/13/2014 06:53

Sample wt/vol: 250(mL) | Date Analyzed: 03/17/2014 18:31

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

Injection Volume: 5(uL) | Level: (low/med) Low

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

Analysis Batch No.: 170376 | Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
92-52-4	Biphenyl	ND		5.0	0.65
108-60-1	bis (2-chloroisopropyl) ether	ND		5.0	0.52
111-91-1	Bis(2-chloroethoxy)methane	ND		5.0	0.35
111-44-4	Bis(2-chloroethyl)ether	ND		5.0	0.40
117-81-7	Bis(2-ethylhexyl) phthalate	ND		5.0	1.8
85-68-7	Butyl benzyl phthalate	ND		5.0	0.42
105-60-2	Caprolactam	ND		5.0	2.2
86-74-8	Carbazole	ND		5.0	0.30
218-01-9	Chrysene	ND		5.0	0.33
53-70-3	Dibenz(a,h)anthracene	ND		5.0	0.42
132-64-9	Dibenzofuran	ND		10	0.51
84-66-2	Diethyl phthalate	ND		5.0	0.22
131-11-3	Dimethyl phthalate	ND		5.0	0.36
84-74-2	Di-n-butyl phthalate	ND		5.0	0.31
117-84-0	Di-n-octyl phthalate	ND		5.0	0.47
206-44-0	Fluoranthene	ND		5.0	0.40
86-73-7	Fluorene	ND		5.0	0.36
118-74-1	Hexachlorobenzene	ND		5.0	0.51
87-68-3	Hexachlorobutadiene	ND		5.0	0.68
77-47-4	Hexachlorocyclopentadiene	ND		5.0	0.59
67-72-1	Hexachloroethane	ND		5.0	0.59
193-39-5	Indeno[1,2,3-cd]pyrene	ND		5.0	0.47
78-59-1	Isophorone	ND		5.0	0.43
91-20-3	Naphthalene	ND		5.0	0.76
98-95-3	Nitrobenzene	ND		5.0	0.29
621-64-7	N-Nitrosodi-n-propylamine	ND		5.0	0.54
86-30-6	N-Nitrosodiphenylamine	ND		5.0	0.51
87-86-5	Pentachlorophenol	ND		10	2.2
85-01-8	Phenanthrene	ND		5.0	0.44
108-95-2	Phenol	ND		5.0	0.39
129-00-0	Pyrene	ND		5.0	0.34

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Buffalo | Job No.: 480-55783-1

SDG No.:

Client Sample ID: | Lab Sample ID: MB 480-169810/1-A

Matrix: Water | Lab File ID: W04987.D

Analysis Method: 8270D | Date Collected:

Extract. Method: 3510C | Date Extracted: 03/13/2014 06:53

Sample wt/vol: 250(mL) | Date Analyzed: 03/17/2014 18:31

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

Injection Volume: 5(uL) | Level: (low/med) Low

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

Analysis Batch No.: 170376 | Units: ug/L

CAS NO.	SURROGATE	%REC	Q	LIMITS
118-79-6	2,4,6-Tribromophenol (Surr)	76		52-132
367-12-4	2-Fluorophenol (Surr)	63		20-120
4165-60-0	Nitrobenzene-d5 (Surr)	93		46-120
4165-62-2	Phenol-d5 (Surr)	51		16-120
1718-51-0	p-Terphenyl-d14 (Surr)	116		67-150
321-60-8	2-Fluorobiphenyl	79		48-120

TestAmerica Buffalo
Target Compound Quantitation Report

Data File: \\Bufchrom\ChromData\HP5973W\20140317-30223.b\W04987.D
Lims ID: MB 480-169810/1-A
Client ID:
Sample Type: MB
Inject. Date: 17-Mar-2014 18:31:30 ALS Bottle#: 10 Worklist Smp#: 9
Injection Vol: 5.0 ul Dil. Factor: 1.0000
Sample Info: 480-0030223-009
Operator ID: rar Instrument ID: HP5973W

Method: \\Bufchrom\ChromData\HP5973W\20140317-30223.b\W-LVI-8270.m
Limit Group: MB - 8270D ICAL
Last Update: 18-Mar-2014 09:03:09 Calib Date: 06-Mar-2014 15:33:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\Bufchrom\ChromData\HP5973W\20140306-29988.b\W04766.D

Column 1 : RXI-5Sil MS (0.25 mm) Det: MS SCAN
Process Host: XAWRK018

First Level Reviewer: mckernar Date: 18-Mar-2014 09:03:09

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	On-Col Amt ng/uL	Flags
* 1 1,4-Dichlorobenzene-d4	152	5.434	5.434	0.0	97	275843	4.00	
* 2 Naphthalene-d8	136	6.481	6.481	0.0	100	959428	4.00	
* 3 Acenaphthene-d10	164	7.923	7.923	0.0	93	516286	4.00	
* 4 Phenanthrene-d10	188	9.141	9.147	-0.006	98	842442	4.00	
* 5 Chrysene-d12	240	11.342	11.342	0.0	81	694189	4.00	
* 6 Perylene-d12	264	12.875	12.876	-0.001	85	683158	4.00	
$ 7 2-Fluorophenol	112	4.451	4.451	0.0	91	421371	5.03	
$ 8 Phenol-d5	99	5.273	5.274	-0.001	0	438695	4.12	
$ 9 Nitrobenzene-d5	82	5.904	5.893	0.011	86	664129	7.44	
$ 10 2-Fluorobiphenyl	172	7.378	7.378	0.0	100	1011159	6.29	
$ 11 2,4,6-Tribromophenol	330	8.591	8.591	0.0	91	156053	6.05	
$ 12 p-Terphenyl-d14	244	10.461	10.461	0.0	99	1214251	9.32	
$ 255 2-Fluorobiphenyl (Surr)	172		0.0					
235 Acrylamide	44	2.415	2.341	0.074	39	1023	NC	
244 Triethyl amine	86		2.693					
55 1,4-Dioxane	88		2.757					
53 N-Nitrosodimethylamine	42		3.051					
52 Pyridine	52		3.089					
16 Dimethylformamide	73		3.276					
62 2-Picoline	93		3.788					
63 N-Nitrosomethylethylamine	88		3.917					
65 Methyl methanesulfonate	80		4.221					
54 1-Methylcyclopentanol	71		4.365					
70 N-Nitrosodiethylamine	102		4.547					
76 Ethyl methanesulfonate	79		4.836					
56 2-Chlorobenzotrifluoride	180		5.006					
71 Benzaldehyde	77	5.076	5.076	0.0	60	4789	0.0613	
57 4-Chlorobenzotrifluoride	180		5.092					
58 n,n'-Dimethylacetamide	87		5.177					
69 Aniline	93		5.183					
81 Pentachloroethane	167		5.199					
74 Bis(2-chloroethyl)ether	93		5.231					

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	On-Col Amt ng/uL	Flags
72 Phenol	94		5.284					
75 2-Chlorophenol	128		5.306					
78 1,3-Dichlorobenzene	146		5.381					
59 4-Chloropyridine	78	5.434	5.387	0.047	0	113227	NC	
77 1,4-Dichlorobenzene	146		5.445					
60 3-Chloropyridine	78		5.530					
73 1,2-Dichlorobenzene	146		5.567					
79 Benzyl alcohol	108	5.594	5.594	0.0	90	153694	2.95	
61 3-Chlorobenzotrifluoride	180		5.599					
83 2,2'-oxybis[1-chloropropane]	45		5.674					
82 2-Methylphenol	108		5.738					
93 N-Nitrosopyrrolidine	100		5.776					
86 Acetophenone	105		5.776					
87 N-Nitrosodi-n-propylamine	70		5.781					
95 N-Nitrosomorpholine	56		5.813					
96 2-Toluidine	106		5.819					
91 4-Methylbenzenamine	106		5.824					
89 Hexachloroethane	117		5.840					
88 4-Methylphenol	108		5.877					
254 n,n'-Dimethylaniline	120		5.888					
85 Nitrobenzene	77		5.909					
64 2-Chloropyridine	78		5.973					
104 N-Nitrosopiperidine	114		6.048					
94 Isophorone	82		6.112					
102 2-Chloroaniline	127		6.160					
66 2-Chlorotoluene	91		6.165					
97 2-Nitrophenol	139		6.176					
67 3-Chlorotoluene	91		6.192					
68 4-Chlorotoluene	91		6.229					
101 Tetraethyl lead	237		6.272					
99 2,4-Dimethylphenol	107		6.278					
109 o,o',o''-Triethylphosphorothioat	198		6.283					
103 Bis(2-chloroethoxy)methane	93		6.305					
106 2,4-Dichlorophenol	162		6.428					
100 1,2,4-Trichlorobenzene	180		6.433					
107 Naphthalene	128		6.497					
105 Benzoic acid	105		6.513					
111 alpha,alpha-Dimethyl phenethylam	58		6.513					
113 Alpha-Terpineol	59		6.524					
116 Hexachloropropene	213		6.566					
15 p-Fluoroaniline	111		6.571					
108 4-Chloroaniline	127		6.572					
115 2,6-Dichlorophenol	162		6.588					
110 Hexachlorobutadiene	225		6.599					
42 Quinoline	129		6.780					
119 N-Nitrosodi-n-butylamine	84		6.844					
120 p-Phenylene diamine	108		6.876					
114 Caprolactam	113		6.946					
123 Safrole, Total	162		7.004					
117 4-Chloro-3-methylphenol	107		7.053					
121 2-Methylnaphthalene	142		7.063					
128 Phthalic anhydride	104		7.133					

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	On-Col Amt ng/uL	Flags
236 1-Methylnaphthalene	142	7.068	7.143	-0.075	0	1059	NC	
80 N-Methylaniline	106		7.148					
125 Hexachlorocyclopentadiene	237		7.192					
124 1,2,4,5-Tetrachlorobenzene	216		7.202					
127 2,4,6-Trichlorophenol	196		7.341					
129 2,4,5-Trichlorophenol	196		7.416					
27 2,6-Dichloropyridine	112		7.431					
133 Isosafrole	162		7.437					
130 1,1'-Biphenyl	154		7.453					
131 2-Chloronaphthalene	162		7.464					
237 1-Chloronaphthalene	162		7.485					
44 NVF-400	82	9.595	7.551	2.044	0	1192	0.004970	
224 CBF-400	214		7.567					
132 2-Nitroaniline	65		7.587					
29 Dicyclohexylamine	138		7.624					
136 1,4-Naphthoquinone	158		7.630					
92 Benzeneacetonitrile	117		7.699					
138 1,4-Dinitrobenzene	168		7.699					
134 Dimethyl phthalate	163		7.731					
139 1,3-Dinitrobenzene	168		7.763					
135 2,6-Dinitrotoluene	165		7.779					
137 Acenaphthylene	152		7.806					
140 3-Nitroaniline	138		7.945					
141 Acenaphthene	153		7.950					
142 2,4-Dinitrophenol	184		8.030					
146 Pentachlorobenzene	250		8.057					
145 Dibenzofuran	168		8.094					
144 2,4-Dinitrotoluene	165		8.110					
148 1-Naphthylamine	143		8.180					
143 4-Nitrophenol	109		8.233					
147 2,3,4,6-Tetrachlorophenol	232		8.233					
150 2-Naphthylamine	143		8.244					
149 Diethyl phthalate	149		8.308					
221 Benzeneacetic acid (TIC)	91		8.334					
155 Thionazin	97		8.372					
151 Fluorene	166		8.372					
152 4-Chlorophenyl phenyl ether	204		8.383					
156 N-Nitro-o-toluidine	152		8.426					
154 4,6-Dinitro-2-methylphenol	198		8.447					
153 4-Nitroaniline	138		8.458					
157 N-Nitrosodiphenylamine	169		8.495					
160 Diphenylamine	169		8.495					
161 Tributyl phosphate	99		8.495					
159 1,2-Diphenylhydrazine	77		8.511					
158 Azobenzene	77		8.511					
162 Sulfotepp	322		8.634					
165 Diallate	43		8.725					
166 Phorate	75		8.735					
163 1,3,5-Trinitrobenzene	213		8.757					
164 4-Bromophenyl phenyl ether	248		8.784					
167 Phenacetin	108		8.794					
168 Hexachlorobenzene	284		8.821					

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	On-Col Amt ng/uL	Flags
169 Dimethoate	87		8.896					
171 Simazine	201		8.949					
170 Atrazine	200		8.960					
174 Pentachloronitrobenzene	237		9.002					
173 4-Aminobiphenyl	169		9.013					
172 Pentachlorophenol	266		9.035					
175 Pronamide	173		9.077					
178 Dinoseb	211		9.163					
179 Disulfoton	88		9.163					
177 Phenanthrene	178		9.163					
180 Anthracene	178		9.200					
181 Carbazole	167		9.371					
183 Alachlor	160		9.467					
182 Methyl parathion	109		9.473					
184 Di-n-butyl phthalate	149	9.649	9.649	0.0	74	14578	0.0648	
186 Ethyl Parathion	97		9.793					
187 4-Nitroquinoline-1-oxide	190		9.820					
185 Anthraquinone	180		9.830					
229 Octachlorostyrene	308		9.975					
188 Methapyrilene	58		9.980					
190 Isodrin	193		10.001					
191 Fluoranthene	202		10.135					
189 1-Hydroxyanthraquinone	224		10.178					
50 CAG-800	149	10.872	10.244	0.628	0	5086	0.0212	
192 Benzidine	184		10.284					
193 Pyrene	202		10.317					
195 Aramite, Total	185		10.520					
194 1,4-Dihydroxyanthraquinone	240		10.557					
196 p-Dimethylamino azobenzene	120		10.578					
197 Chlorobenzilate	139		10.621					
199 Famphur	218		10.830					
201 3,3'-Dimethylbenzidine	212		10.867					
202 Kepone	272		10.867					
200 Butyl benzyl phthalate	149		10.872					
198 9-Octadecenamide	72		10.910					
203 2-Acetylaminofluorene	181		11.097					
205 Benzo[a]anthracene	228		11.332					
204 3,3'-Dichlorobenzidine	252		11.337					
36 4,4'-Methylene bis(2-chloroanili	231		11.337					
207 Chrysene	228		11.364					
206 Bis(2-ethylhexyl) phthalate	149	11.385	11.385	0.0	87	16494	0.1448	
238 6-Methylchrysene	242		11.812					
208 Di-n-octyl phthalate	149		12.048					
210 7,12-Dimethylbenz(a)anthracene	256		12.427					
209 Benzo[b]fluoranthene	252		12.432					
211 Benzo[k]fluoranthene	252		12.464					
212 Hexachlorophene	196		12.699					
213 Benzo[a]pyrene	252		12.806					
214 3-Methylcholanthrene	252		13.244					
17 Tricresyl phosphate	91		13.687					
232 Dibenz[a,h]acridine	279		13.917					
215 Indeno[1,2,3-cd]pyrene	276		14.185					

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	On-Col Amt ng/uL	Flags
216 Dibenz(a,h)anthracene	278		14.227					
217 Benzo[g,h,i]perylene	276		14.516					
51 Dibenzo[a,e]pyrene	302		16.503					
253 1-Bromopropane	1		0.0					
241 2,4-Toluene diamine	1		0.0					
234 Benzo[j]fluoranthene	1		0.0					
34 2,3-Dichlorophenol	1		0.0					
258 2-Chlorobenzotrifluoride TIC	1		0.0					
248 Tetramethyl lead TIC	1		0.0					
245 Tris(2,3-dibromopropyl)phosphate	1		0.0					
260 3-Chlorobenzotrifluoride TIC	1		0.0					
37 5-Methyl-o-Anisidine	1		0.0					
243 5-Methyl-o-Anisidine TIC	1		0.0					
49 4-Chlorophenol	1		0.0					
231 Dibenz[a,j]acridine	279		0.0					
227 Phenylmercaptan	110		0.0					
226 2,3,7,8-TCDD	1		0.0					
233 Dibenzo[a,h]pyrene	1		0.0					
48 Phenylacetic Acid	1		0.0					
251 Hexamethyldisiloxane TIC	1		0.0					
239 Dibenz(a,i)pyrene	1		0.0					
228 7H-Dibenzo[c,g]carbazole	1		0.0					
257 4-Chlorobenzotrifluoride TIC	1		0.0					
24 2,6-Dichlorotoluene	1		0.0					
250 2,4-Xylidine TIC	1		0.0					
259 2,4-Dichlorotoluene TIC	1		0.0					
28 Prometryn (TIC)	1		0.0					
25 1,3,5-Trichlorobenzene	180		0.0					
46 2,4-Dichlorotoluene	1		0.0					
30 Pendimethalin	1		0.0					
246 o-Anisidine TIC	1		0.0					
249 1,3-phenylenediamine TIC	1		0.0					
247 alpha,alpha-Dimethyl phenethylam	1		0.0					
230 Indene	115		0.0					
41 trans Azobenzene (TIC)	1		0.0					
256 2,6-Dichlorotoluene TIC	1		0.0					
33 Benefin (TIC)	1		0.0					
13 o-Anisidine	1		0.0					
38 Pendimethalin (TIC)	1		0.0					
252 4,4'-Methylene bis(2-chloroanili	1		0.0					
240 Hexadecane	57	9.077	9.077	0.0	19	2106	NR	
118 4,4'-DDD	235		10.696					
225 CBF-500	161	11.000	10.783	0.217	0	3718	NR	
47 CU-600	58	14.526	15.463	-0.937	0	4320	NR	
14 CN-500	112	14.841	15.725	-0.884	0	948	NR	
S 218 3 & 4 Methylphenol	108		0.0					
S 219 3-Methylphenol	1		0.0					
S 242 EPH Adjustment 1	1		0.0					
S 19 Chlorobenzotrifluoride N.O.S	1		0.0					
S 23 Chlorotoluene N.O.S	1		0.0					
S 220 Total Cresols	1		0.0					
T 39 2-Aminopyridine	94		6.167					

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	On-Col Amt ng/uL	Flags
T 21 1-Methylnaphthalene (TIC)	142		8.070					

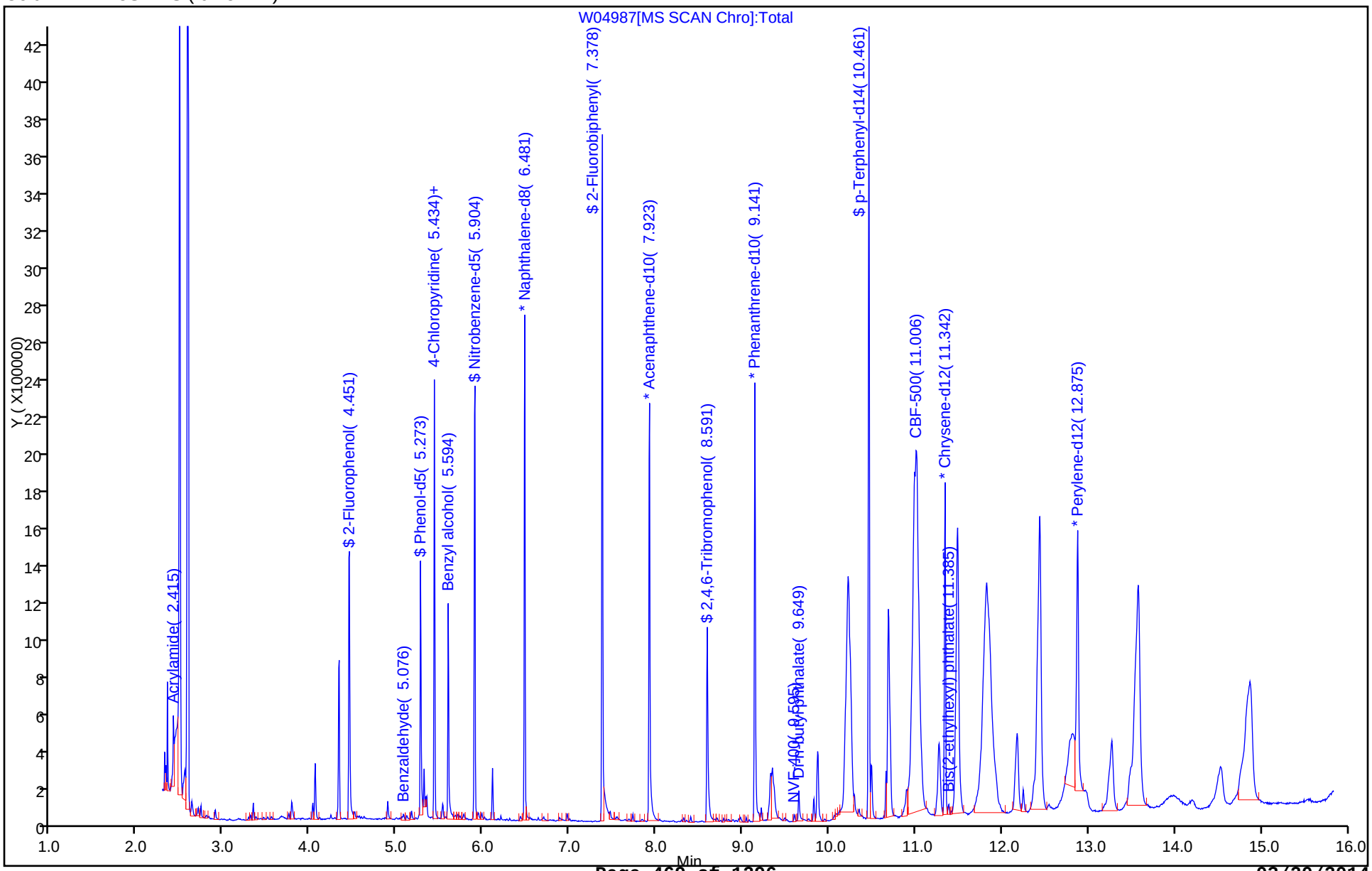
Report Date: 18-Mar-2014 09:03:10 Chrom Revision: 2.2 12-Mar-2014 11:19:24

TestAmerica Buffalo

Data File: \\Bufchrom\ChromData\HP5973W\20140317-30223.b\W04987.D

Injection Date:	17-Mar-2014 18:31:30	Instrument ID:	HP5973W	Operator ID:	rar
Lims ID:	MB 480-169810/1-A			Worklist Smp#:	9
Client ID:					
Injection Vol:	5.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	10
Method:	W-LVI-8270	Limit Group:	MB - 8270D ICAL		

Column: RXI-5Sil MS (0.25 mm)



FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Buffalo | Job No.: 480-55783-1

SDG No.:

Client Sample ID: | Lab Sample ID: LCS 480-169810/2-A

Matrix: Water | Lab File ID: W04988.D

Analysis Method: 8270D | Date Collected:

Extract. Method: 3510C | Date Extracted: 03/13/2014 06:53

Sample wt/vol: 250(mL) | Date Analyzed: 03/17/2014 18:54

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

Injection Volume: 5(uL) | Level: (low/med) Low

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

Analysis Batch No.: 170376 | Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
95-95-4	2,4,5-Trichlorophenol	29.9		5.0	0.48
88-06-2	2,4,6-Trichlorophenol	34.1		5.0	0.61
120-83-2	2,4-Dichlorophenol	34.1		5.0	0.51
105-67-9	2,4-Dimethylphenol	26.7		5.0	0.50
51-28-5	2,4-Dinitrophenol	39.3		10	2.2
121-14-2	2,4-Dinitrotoluene	34.1		5.0	0.45
606-20-2	2,6-Dinitrotoluene	33.3		5.0	0.40
91-58-7	2-Chloronaphthalene	31.0		5.0	0.46
95-57-8	2-Chlorophenol	30.0		5.0	0.53
91-57-6	2-Methylnaphthalene	32.9		5.0	0.60
95-48-7	2-Methylphenol	28.0		5.0	0.40
88-74-4	2-Nitroaniline	36.4		10	0.42
88-75-5	2-Nitrophenol	31.2		5.0	0.48
91-94-1	3,3'-Dichlorobenzidine	39.3		5.0	0.40
99-09-2	3-Nitroaniline	22.4		10	0.48
534-52-1	4,6-Dinitro-2-methylphenol	58.6		10	2.2
101-55-3	4-Bromophenyl phenyl ether	32.8		5.0	0.45
59-50-7	4-Chloro-3-methylphenol	34.5		5.0	0.45
106-47-8	4-Chloroaniline	21.0		5.0	0.59
7005-72-3	4-Chlorophenyl phenyl ether	29.8		5.0	0.35
106-44-5	4-Methylphenol	32.2		10	0.36
100-01-6	4-Nitroaniline	30.9		10	0.25
100-02-7	4-Nitrophenol	46.8		10	1.5
83-32-9	Acenaphthene	30.2		5.0	0.41
208-96-8	Acenaphthylene	29.8		5.0	0.38
98-86-2	Acetophenone	31.3		5.0	0.54
120-12-7	Anthracene	31.7		5.0	0.28
1912-24-9	Atrazine	31.6		5.0	0.46
100-52-7	Benzaldehyde	22.1		5.0	0.27
56-55-3	Benzo[a]anthracene	34.5		5.0	0.36
50-32-8	Benzo[a]pyrene	32.9		5.0	0.47
205-99-2	Benzo[b]fluoranthene	35.4		5.0	0.34
191-24-2	Benzo[g,h,i]perylene	28.5		5.0	0.35
207-08-9	Benzo[k]fluoranthene	34.6		5.0	0.73

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Buffalo | Job No.: 480-55783-1

SDG No.:

Client Sample ID: | Lab Sample ID: LCS 480-169810/2-A

Matrix: Water | Lab File ID: W04988.D

Analysis Method: 8270D | Date Collected:

Extract. Method: 3510C | Date Extracted: 03/13/2014 06:53

Sample wt/vol: 250(mL) | Date Analyzed: 03/17/2014 18:54

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

Injection Volume: 5(uL) | Level: (low/med) Low

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

Analysis Batch No.: 170376 | Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
92-52-4	Biphenyl	31.3		5.0	0.65
108-60-1	bis (2-chloroisopropyl) ether	32.1		5.0	0.52
111-91-1	Bis(2-chloroethoxy)methane	32.9		5.0	0.35
111-44-4	Bis(2-chloroethyl)ether	30.4		5.0	0.40
117-81-7	Bis(2-ethylhexyl) phthalate	33.7		5.0	1.8
85-68-7	Butyl benzyl phthalate	36.4		5.0	0.42
105-60-2	Caprolactam	16.1		5.0	2.2
86-74-8	Carbazole	31.9		5.0	0.30
218-01-9	Chrysene	33.5		5.0	0.33
53-70-3	Dibenz(a,h)anthracene	30.8		5.0	0.42
132-64-9	Dibenzofuran	30.2		10	0.51
84-66-2	Diethyl phthalate	30.9		5.0	0.22
131-11-3	Dimethyl phthalate	33.0		5.0	0.36
84-74-2	Di-n-butyl phthalate	32.5		5.0	0.31
117-84-0	Di-n-octyl phthalate	34.1		5.0	0.47
206-44-0	Fluoranthene	30.1		5.0	0.40
86-73-7	Fluorene	30.4		5.0	0.36
118-74-1	Hexachlorobenzene	33.0		5.0	0.51
87-68-3	Hexachlorobutadiene	25.6		5.0	0.68
77-47-4	Hexachlorocyclopentadiene	17.1		5.0	0.59
67-72-1	Hexachloroethane	27.3		5.0	0.59
193-39-5	Indeno[1,2,3-cd]pyrene	36.6		5.0	0.47
78-59-1	Isophorone	33.6		5.0	0.43
91-20-3	Naphthalene	28.9		5.0	0.76
98-95-3	Nitrobenzene	33.1		5.0	0.29
621-64-7	N-Nitrosodi-n-propylamine	34.6		5.0	0.54
86-30-6	N-Nitrosodiphenylamine	38.3		5.0	0.51
87-86-5	Pentachlorophenol	30.0		10	2.2
85-01-8	Phenanthrene	32.7		5.0	0.44
108-95-2	Phenol	22.8		5.0	0.39
129-00-0	Pyrene	37.9		5.0	0.34

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Buffalo | Job No.: 480-55783-1

SDG No.:

Client Sample ID: | Lab Sample ID: LCS 480-169810/2-A

Matrix: Water | Lab File ID: W04988.D

Analysis Method: 8270D | Date Collected:

Extract. Method: 3510C | Date Extracted: 03/13/2014 06:53

Sample wt/vol: 250(mL) | Date Analyzed: 03/17/2014 18:54

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

Injection Volume: 5(uL) | Level: (low/med) Low

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

Analysis Batch No.: 170376 | Units: ug/L

CAS NO.	SURROGATE	%REC	Q	LIMITS
118-79-6	2,4,6-Tribromophenol (Surr)	109		52-132
367-12-4	2-Fluorophenol (Surr)	82		20-120
4165-60-0	Nitrobenzene-d5 (Surr)	104		46-120
4165-62-2	Phenol-d5 (Surr)	70		16-120
1718-51-0	p-Terphenyl-d14 (Surr)	119		67-150
321-60-8	2-Fluorobiphenyl	98		48-120

TestAmerica Buffalo
Target Compound Quantitation Report

Data File: \\Bufchrom\ChromData\HP5973W\20140317-30223.b\W04988.D
Lims ID: LCS 480-169810/2-A
Client ID:
Sample Type: LCS
Inject. Date: 17-Mar-2014 18:54:30 ALS Bottle#: 11 Worklist Smp#: 10
Injection Vol: 5.0 ul Dil. Factor: 1.0000
Sample Info: 480-0030223-010
Operator ID: rar Instrument ID: HP5973W

Method: \\Bufchrom\ChromData\HP5973W\20140317-30223.b\W-LVI-8270.m
Limit Group: MB - 8270D ICAL
Last Update: 18-Mar-2014 09:03:58 Calib Date: 06-Mar-2014 15:33:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\Bufchrom\ChromData\HP5973W\20140306-29988.b\W04766.D

Column 1 : RXI-5Sil MS (0.25 mm) Det: MS SCAN
Process Host: XAWRK018

First Level Reviewer: mckernar Date: 18-Mar-2014 09:03:58

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	On-Col Amt ng/uL	Flags
* 1 1,4-Dichlorobenzene-d4	152	5.455	5.434	0.021	95	281298	4.00	
* 2 Naphthalene-d8	136	6.486	6.481	0.005	100	1031472	4.00	
* 3 Acenaphthene-d10	164	7.928	7.923	0.005	92	555629	4.00	
* 4 Phenanthrene-d10	188	9.147	9.147	0.0	97	875549	4.00	
* 5 Chrysene-d12	240	11.348	11.342	0.006	84	728668	4.00	
* 6 Perylene-d12	264	12.886	12.876	0.010	85	757395	4.00	
$ 7 2-Fluorophenol	112	4.493	4.451	0.042	91	560440	6.56	
$ 8 Phenol-d5	99	5.289	5.274	0.015	0	605760	5.57	
$ 9 Nitrobenzene-d5	82	5.914	5.893	0.021	74	794827	8.28	
$ 10 2-Fluorobiphenyl	172	7.384	7.378	0.006	99	1358044	7.85	
$ 11 2,4,6-Tribromophenol	330	8.596	8.591	0.005	89	232786	8.68	
$ 12 p-Terphenyl-d14	244	10.461	10.461	0.0	99	1304067	9.53	
55 1,4-Dioxane	88	2.934	2.757	0.177	92	203143	5.30	
53 N-Nitrosodimethylamine	42	3.217	3.217	0.166	88	262706	7.63	
52 Pyridine	52	3.233	3.089	0.144	96	214410	3.83	
71 Benzaldehyde	77	5.102	5.076	0.026	93	440949	5.53	
69 Aniline	93	5.209	5.183	0.026	97	714606	5.28	
74 Bis(2-chloroethyl)ether	93	5.257	5.231	0.026	97	681998	7.59	
72 Phenol	94	5.300	5.284	0.016	98	630783	5.69	
75 2-Chlorophenol	128	5.327	5.306	0.021	93	684836	7.50	
78 1,3-Dichlorobenzene	146	5.407	5.381	0.027	96	664968	6.68	
77 1,4-Dichlorobenzene	146	5.466	5.445	0.021	83	694088	6.84	
73 1,2-Dichlorobenzene	146	5.589	5.567	0.022	95	657857	6.85	
79 Benzyl alcohol	108	5.626	5.594	0.032	89	738596	13.6	
83 2,2'-oxybis[1-chloropropane]	45	5.690	5.674	0.016	92	891150	8.02	
82 2-Methylphenol	108	5.754	5.738	0.016	97	564990	7.00	
86 Acetophenone	105	5.797	5.776	0.021	97	925637	7.84	
87 N-Nitrosodi-n-propylamine	70	5.813	5.781	0.032	83	528155	8.65	
89 Hexachloroethane	117	5.856	5.840	0.016	97	280492	6.82	
88 4-Methylphenol	108	5.893	5.877	0.016	93	642178	8.05	
85 Nitrobenzene	77	5.936	5.909	0.027	81	775700	8.26	
94 Isophorone	82	6.139	6.112	0.027	97	1234645	8.39	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	On-Col Amt ng/uL	Flags
97 2-Nitrophenol	139	6.187	6.176	0.011	96	378100	7.81	
99 2,4-Dimethylphenol	107	6.283	6.278	0.005	97	539845	6.68	
103 Bis(2-chloroethoxy)methane	93	6.315	6.305	0.010	99	833068	8.21	
106 2,4-Dichlorophenol	162	6.427	6.428	-0.001	93	550891	8.53	
100 1,2,4-Trichlorobenzene	180	6.443	6.433	0.010	93	589279	7.03	
107 Naphthalene	128	6.507	6.497	0.010	98	1809431	7.22	
105 Benzoic acid	105	6.427	6.427	-0.086	28	57481	1.58	
108 4-Chloroaniline	127	6.577	6.572	0.005	85	544829	5.24	
110 Hexachlorobutadiene	225	6.604	6.599	0.005	93	340647	6.41	
114 Caprolactam	113	6.913	6.913	-0.033	70	98570	4.01	M
117 4-Chloro-3-methylphenol	107	7.052	7.053	-0.001	91	581099	8.62	
121 2-Methylnaphthalene	142	7.074	7.063	0.011	80	1319962	8.22	
236 1-Methylnaphthalene	142	7.154	7.143	0.011	0	1129287	NC	
125 Hexachlorocyclopentadiene	237	7.197	7.192	0.005	95	229245	4.26	
124 1,2,4,5-Tetrachlorobenzene	216	7.207	7.202	0.005	94	598474	7.35	
127 2,4,6-Trichlorophenol	196	7.341	7.341	0.0	93	416328	8.52	
129 2,4,5-Trichlorophenol	196	7.410	7.416	-0.006	95	436141	7.48	
130 1,1'-Biphenyl	154	7.464	7.453	0.011	96	1412822	7.82	
131 2-Chloronaphthalene	162	7.474	7.464	0.010	97	1150242	7.76	
132 2-Nitroaniline	65	7.597	7.587	0.010	82	404580	9.11	
134 Dimethyl phthalate	163	7.742	7.731	0.011	98	1354599	8.25	
139 1,3-Dinitrobenzene	168	7.774	7.763	0.011	81	252189	8.81	
135 2,6-Dinitrotoluene	165	7.790	7.779	0.011	86	322638	8.33	
137 Acenaphthylene	152	7.811	7.806	0.005	83	1808888	7.45	
140 3-Nitroaniline	138	7.950	7.945	0.005	93	235117	5.60	
141 Acenaphthene	153	7.955	7.950	0.005	95	1178333	7.54	
142 2,4-Dinitrophenol	184	8.030	8.030	0.0	83	265368	9.81	
145 Dibenzofuran	168	8.099	8.094	0.005	88	1659686	7.55	
144 2,4-Dinitrotoluene	165	8.121	8.110	0.011	84	425507	8.53	
143 4-Nitrophenol	109	8.201	8.233	-0.032	93	228643	11.7	
147 2,3,4,6-Tetrachlorophenol	232	8.238	8.233	0.005	64	311466	6.49	
149 Diethyl phthalate	149	8.318	8.308	0.010	98	1245441	7.73	
151 Fluorene	166	8.383	8.372	0.011	90	1306458	7.61	
152 4-Chlorophenyl phenyl ether	204	8.388	8.383	0.005	91	651005	7.46	
154 4,6-Dinitro-2-methylphenol	198	8.457	8.447	0.010	86	464143	14.7	
153 4-Nitroaniline	138	8.463	8.458	0.005	81	261071	7.73	
157 N-Nitrosodiphenylamine	169	8.500	8.495	0.005	58	1022942	9.57	
159 1,2-Diphenylhydrazine	77	8.521	8.511	0.010	97	1560203	9.04	
158 Azobenzene	77	8.521	8.511	0.010	96	1560203	9.86	
164 4-Bromophenyl phenyl ether	248	8.789	8.784	0.005	60	403865	8.20	
168 Hexachlorobenzene	284	8.826	8.821	0.005	93	456771	8.26	
170 Atrazine	200	8.965	8.960	0.005	95	319513	7.89	
172 Pentachlorophenol	266	9.029	9.035	-0.006	91	222399	7.50	
177 Phenanthrene	178	9.168	9.163	0.005	98	1793674	8.17	
180 Anthracene	178	9.211	9.200	0.011	98	1807117	7.92	
181 Carbazole	167	9.371	9.371	0.0	82	1585802	7.98	
184 Di-n-butyl phthalate	149	9.649	9.649	0.0	100	1898876	8.12	
191 Fluoranthene	202	10.140	10.135	0.005	98	1786624	7.52	
192 Benzidine	184	10.290	10.290	0.006	33	32650	0.8784	
193 Pyrene	202	10.322	10.317	0.005	97	1826998	9.46	
200 Butyl benzyl phthalate	149	10.872	10.872	0.0	97	735814	9.10	
205 Benzo[a]anthracene	228	11.337	11.332	0.005	99	1601343	8.62	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	On-Col Amt ng/uL	Flags
204 3,3'-Dichlorobenzidine	252	11.342	11.337	0.005	65	507233	9.81	
207 Chrysene	228	11.374	11.364	0.010	92	1582174	8.38	
206 Bis(2-ethylhexyl) phthalate	149	11.390	11.385	0.005	95	1008660	8.43	
208 Di-n-octyl phthalate	149	12.053	12.048	0.005	99	1761481	8.52	
209 Benzo[b]fluoranthene	252	12.453	12.432	0.021	95	1716268	8.84	
211 Benzo[k]fluoranthene	252	12.485	12.464	0.021	99	1792600	8.64	
213 Benzo[a]pyrene	252	12.822	12.806	0.016	75	1562998	8.22	
215 Indeno[1,2,3-cd]pyrene	276	14.206	14.185	0.022	99	1686116	9.15	
216 Dibenz(a,h)anthracene	278	14.243	14.227	0.016	63	1461739	7.71	
217 Benzo[g,h,i]perylene	276	14.537	14.516	0.021	93	1330685	7.12	
240 Hexadecane	57	9.077	9.077	0.0	81	743170	NR	
S 219 3-Methylphenol	1				0		8.05	

QC Flag Legend

Review Flags
M - Manually Integrated

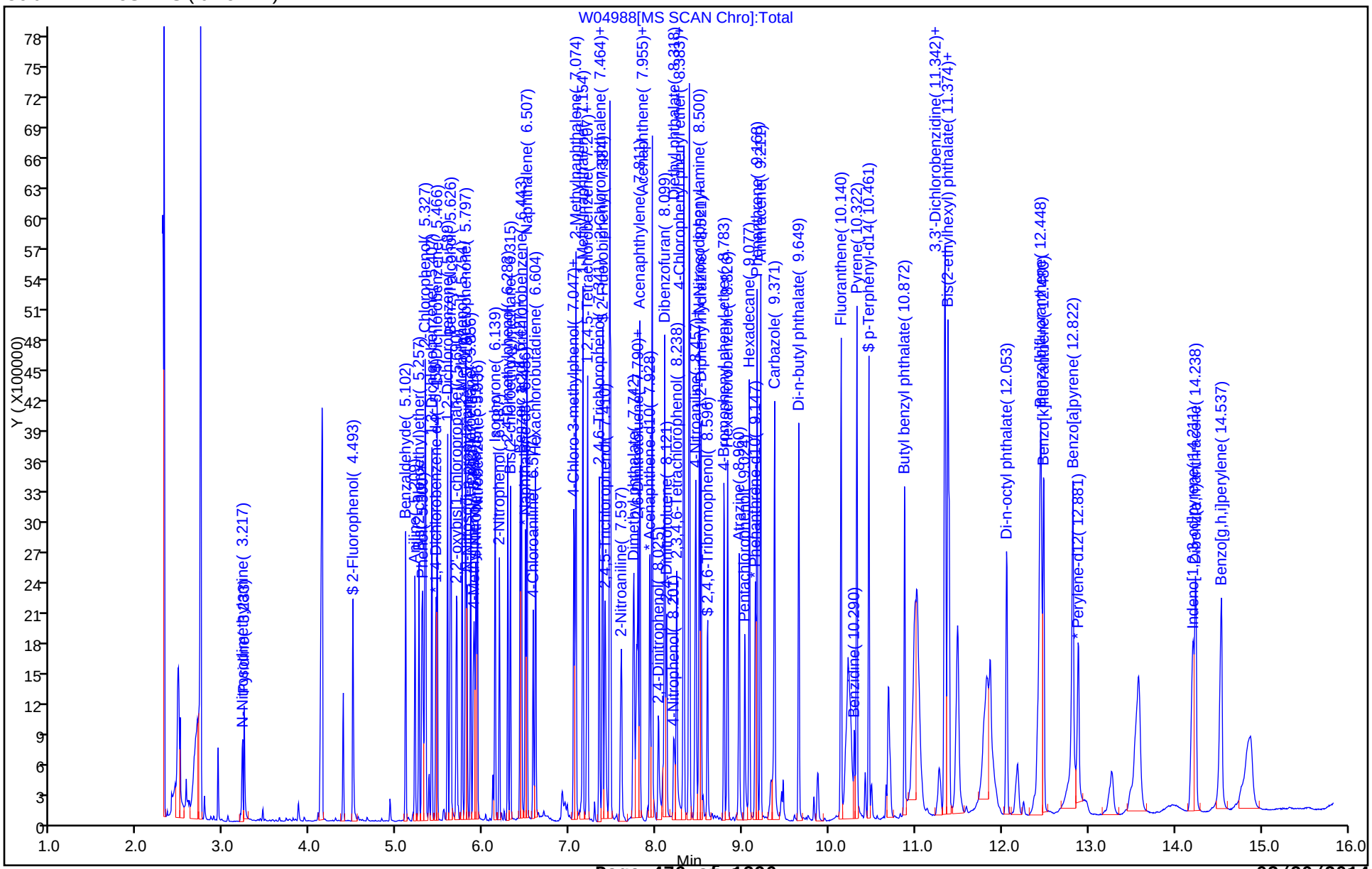
Report Date: 18-Mar-2014 09:03:59 Chrom Revision: 2.2 12-Mar-2014 11:19:24

TestAmerica Buffalo

Data File: \\Bufchrom\ChromData\HP5973W\20140317-30223.b\W04988.D

Injection Date:	17-Mar-2014 18:54:30	Instrument ID:	HP5973W	Operator ID:	rar
Lims ID:	LCS 480-169810/2-A			Worklist Smp#:	10
Client ID:					
Injection Vol:	5.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	11
Method:	W-LVI-8270	Limit Group:	MB - 8270D ICAL		

Column: RXI-5Sil MS (0.25 mm)



Manual Integration/User Assign Peak Report

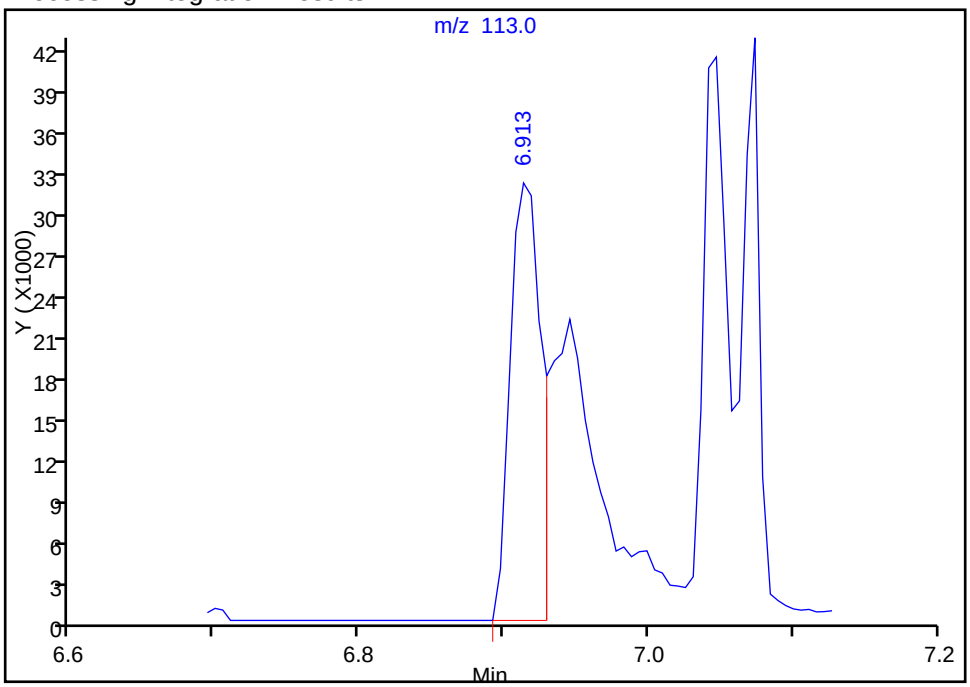
TestAmerica Buffalo

Data File:	\\Bufchrom\ChromData\HP5973W\20140317-30223.b\W04988.D				
Injection Date:	17-Mar-2014 18:54:30	Instrument ID:	HP5973W		
Lims ID:	LCS 480-169810/2-A				
Client ID:					
Operator ID:	rar	ALS Bottle#:	11	Worklist Smp#:	10
Injection Vol:	5.0 ul	Dil. Factor:	1.0000		
Method:	W-LVI-8270	Limit Group:	MB - 8270D ICAL		
Column:	RXI-5Sil MS (0.25 mm)	Detector	MS SCAN		

114 Caprolactam, CAS: 105-60-2

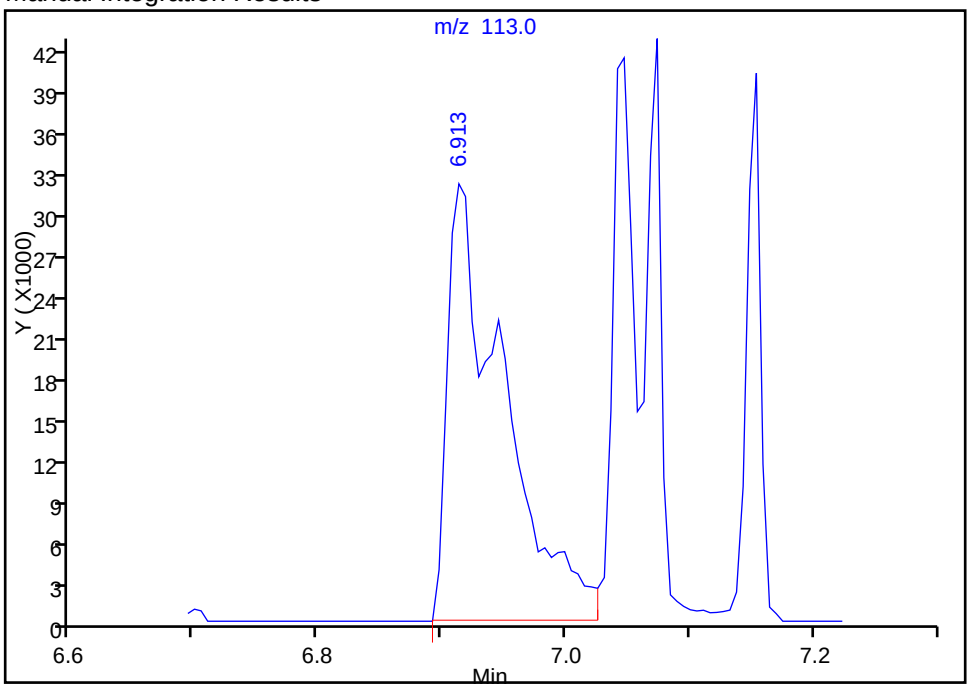
Processing Integration Results

RT: 6.91
Response: 47674
Amount: 1.940757



Manual Integration Results

RT: 6.91
Response: 98570
Amount: 4.012677



Reviewer: mckernar, 18-Mar-2014 09:03:58
Audit Action: Manually Integrated
Audit Reason: Assign Peak

GC/MS SEMI VOA ANALYSIS RUN LOG

Lab Name: TestAmerica Buffalo Job No.: 480-55783-1

SDG No.:

Instrument ID: HP5973W Start Date: 02/27/2014 02:17

Analysis Batch Number: 167777 End Date: 02/27/2014 12:19

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
DFTPP 480-167777/2		02/27/2014 02:17	1	W04551.D	RXI-5Sil MS 0.25(mm)
IC 480-167777/3		02/27/2014 02:41	1		RXI-5Sil MS 0.25(mm)
IC 480-167777/4		02/27/2014 03:06	1		RXI-5Sil MS 0.25(mm)
IC 480-167777/5		02/27/2014 03:31	1		RXI-5Sil MS 0.25(mm)
ICIS 480-167777/6		02/27/2014 03:56	1		RXI-5Sil MS 0.25(mm)
IC 480-167777/7		02/27/2014 04:21	1		RXI-5Sil MS 0.25(mm)
IC 480-167777/8		02/27/2014 04:45	1		RXI-5Sil MS 0.25(mm)
IC 480-167777/9		02/27/2014 05:09	1		RXI-5Sil MS 0.25(mm)
ICV 480-167777/10		02/27/2014 05:34	1		RXI-5Sil MS 0.25(mm)
IC 480-167777/11		02/27/2014 06:12	1	W04560.D	RXI-5Sil MS 0.25(mm)
IC 480-167777/12		02/27/2014 06:36	1	W04561.D	RXI-5Sil MS 0.25(mm)
IC 480-167777/13		02/27/2014 07:00	1	W04562.D	RXI-5Sil MS 0.25(mm)
IC 480-167777/14		02/27/2014 07:24	1	W04563.D	RXI-5Sil MS 0.25(mm)
IC 480-167777/15		02/27/2014 07:48	1	W04564.D	RXI-5Sil MS 0.25(mm)
IC 480-167777/16		02/27/2014 08:12	1	W04565.D	RXI-5Sil MS 0.25(mm)
IC 480-167777/17		02/27/2014 08:36	1	W04566.D	RXI-5Sil MS 0.25(mm)
ICV 480-167777/18		02/27/2014 12:19	1		RXI-5Sil MS 0.25(mm)

GC/MS SEMI VOA ANALYSIS RUN LOG

Lab Name: TestAmerica Buffalo Job No.: 480-55783-1

SDG No.:

Instrument ID: HP5973W Start Date: 03/06/2014 12:44

Analysis Batch Number: 168862 End Date: 03/06/2014 16:22

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
DFTPP 480-168862/2		03/06/2014 12:44	1	W04759.D	RXI-5Sil MS 0.25(mm)
IC 480-168862/3		03/06/2014 13:08	1	W04760.D	RXI-5Sil MS 0.25(mm)
IC 480-168862/4		03/06/2014 13:33	1	W04761.D	RXI-5Sil MS 0.25(mm)
IC 480-168862/5		03/06/2014 13:57	1	W04762.D	RXI-5Sil MS 0.25(mm)
ICIS 480-168862/6		03/06/2014 14:21	1	W04763.D	RXI-5Sil MS 0.25(mm)
IC 480-168862/7		03/06/2014 14:45	1	W04764.D	RXI-5Sil MS 0.25(mm)
IC 480-168862/8		03/06/2014 15:09	1	W04765.D	RXI-5Sil MS 0.25(mm)
IC 480-168862/9		03/06/2014 15:33	1	W04766.D	RXI-5Sil MS 0.25(mm)
ICV 480-168862/10		03/06/2014 15:58	1		RXI-5Sil MS 0.25(mm)
CCVIS 480-168862/11		03/06/2014 16:22	1		RXI-5Sil MS 0.25(mm)

GC/MS SEMI VOA ANALYSIS RUN LOG

Lab Name: TestAmerica Buffalo Job No.: 480-55783-1

SDG No.:

Instrument ID: HP5973W Start Date: 03/17/2014 15:42

Analysis Batch Number: 170376 End Date: 03/18/2014 02:50

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
DFTPP 480-170376/2		03/17/2014 15:42	1	W04980.D	RXI-5Sil MS 0.25(mm)
CCVIS 480-170376/3		03/17/2014 16:06	1	W04981.D	RXI-5Sil MS 0.25(mm)
CCV 480-170376/4		03/17/2014 16:30	1	W04982.D	RXI-5Sil MS 0.25(mm)
CCVL 480-170376/5		03/17/2014 16:54	1	W04983.D	RXI-5Sil MS 0.25(mm)
CCV 480-170376/6		03/17/2014 17:18	1	W04984.D	RXI-5Sil MS 0.25(mm)
CCV 480-170376/7		03/17/2014 17:42	1	W04985.D	RXI-5Sil MS 0.25(mm)
CCV 480-170376/8		03/17/2014 18:06	1	W04986.D	RXI-5Sil MS 0.25(mm)
MB 480-169810/1-A		03/17/2014 18:31	1	W04987.D	RXI-5Sil MS 0.25(mm)
LCS 480-169810/2-A		03/17/2014 18:54	1	W04988.D	RXI-5Sil MS 0.25(mm)
ZZZZZ		03/17/2014 19:18	20		RXI-5Sil MS 0.25(mm)
ZZZZZ		03/17/2014 19:42	20		RXI-5Sil MS 0.25(mm)
ZZZZZ		03/17/2014 20:06	10		RXI-5Sil MS 0.25(mm)
ZZZZZ		03/17/2014 20:30	20		RXI-5Sil MS 0.25(mm)
ZZZZZ		03/17/2014 20:54	20		RXI-5Sil MS 0.25(mm)
ZZZZZ		03/17/2014 21:18	20		RXI-5Sil MS 0.25(mm)
ZZZZZ		03/17/2014 21:41	20		RXI-5Sil MS 0.25(mm)
ZZZZZ		03/17/2014 22:05	20		RXI-5Sil MS 0.25(mm)
ZZZZZ		03/17/2014 22:29	20		RXI-5Sil MS 0.25(mm)
ZZZZZ		03/17/2014 22:52	20		RXI-5Sil MS 0.25(mm)
ZZZZZ		03/17/2014 23:16	50		RXI-5Sil MS 0.25(mm)
480-55783-1	MW-P	03/17/2014 23:40	1	W05000.D	RXI-5Sil MS 0.25(mm)
480-55783-2	MW-3	03/18/2014 00:04	1	W05001.D	RXI-5Sil MS 0.25(mm)
ZZZZZ		03/18/2014 00:27	50		RXI-5Sil MS 0.25(mm)
ZZZZZ		03/18/2014 00:51	1		RXI-5Sil MS 0.25(mm)
ZZZZZ		03/18/2014 01:15	1		RXI-5Sil MS 0.25(mm)
ZZZZZ		03/18/2014 01:39	1		RXI-5Sil MS 0.25(mm)
480-55880-1	MW-1	03/18/2014 02:02	1	W05006.D	RXI-5Sil MS 0.25(mm)
480-55880-3	MW-5	03/18/2014 02:26	1	W05007.D	RXI-5Sil MS 0.25(mm)
480-55880-2	MW-4	03/18/2014 02:50	1	W05008.D	RXI-5Sil MS 0.25(mm)

GC/MS SEMI VOA BATCH WORKSHEET

Lab Name: TestAmerica Buffalo Job No.: 480-55783-1

SDG No.:

Batch Number: 169810 Batch Start Date: 03/13/14 06:52 Batch Analyst: Gentner, Taylor R

Batch Method: 3510C Batch End Date:

Lab Sample ID	Client Sample ID	Method Chain	Basis	ReceivedpH	GrossWeight	TareWeight	InitialAmount	FinalAmount	FirstAdjustpH
MB 480-169810/1		3510C, 8270D		7 SU			250 mL	1 mL	<2 SU
LCS 480-169810/2		3510C, 8270D		7 SU			250 mL	1 mL	<2 SU
480-55783-G-1	MW-P	3510C, 8270D	T	6 SU	000423.7 g	000178.5 g	245.2 mL	1 mL	<2 SU
480-55783-G-2	MW-3	3510C, 8270D	T	6 SU	000446.4 g	000177.4 g	269 mL	1 mL	<2 SU
480-55880-D-1	MW-1	3510C, 8270D	T	6 SU	000431.9 g	000178.2 g	253.7 mL	1 mL	<2 SU
480-55880-D-3	MW-5	3510C, 8270D	T	6 SU	000432.3 g	000178.9 g	253.4 mL	1 mL	<2 SU
480-55880-F-2	MW-4	3510C, 8270D	T	6 SU	000432.5 g	000177.0 g	255.5 mL	1 mL	<2 SU

Lab Sample ID	Client Sample ID	Method Chain	Basis	SecondAdjustpH	O_8270LL LCS 00001	O_8270LLsurr 00015			
MB 480-169810/1		3510C, 8270D		>11 SU		1 mL			
LCS 480-169810/2		3510C, 8270D		>11 SU	1 mL	1 mL			
480-55783-G-1	MW-P	3510C, 8270D	T	>11 SU		1 mL			
480-55783-G-2	MW-3	3510C, 8270D	T	>11 SU		1 mL			
480-55880-D-1	MW-1	3510C, 8270D	T	>11 SU		1 mL			
480-55880-D-3	MW-5	3510C, 8270D	T	>11 SU		1 mL			
480-55880-F-2	MW-4	3510C, 8270D	T	>11 SU		1 mL			

The pound sign (#) in the amount added field denotes that the reagent was used undiluted. All calculations are performed using the stated concentration for this reagent.

GC/MS SEMI VOA BATCH WORKSHEET

Lab Name: TestAmerica Buffalo Job No.: 480-55783-1

SDG No.:

Batch Number: 169810 Batch Start Date: 03/13/14 06:52 Batch Analyst: Gentner, Taylor R

Batch Method: 3510C Batch End Date:

Batch Notes	
Acid used for pH adjustment	1:1 Sulfuric
Acid used for pH adjust Lot #	2310619
Balance ID	14552245
Base used for pH adjustment	Sodium Hydroxide
Base used for pH adjust Lot #	HC388777
Person's name who did the concentration	TG, MZ, MRB
Final Concentrator Volume	1 mL
Na2SO4 Lot Number	27863004
Prep Solvent Lot #	0000067137
Prep Solvent Name	MeCl2
Prep Solvent Volume Used	120 mL
Person's name who did the prep	TG
Person's name who witnessed reagent drop	TG
Person who performed Spike	TG
Person who witnessed spiking	TG
Sufficient volume for MS/MSD?	YES

Basis	Basis Description
T	Total/NA

The pound sign (#) in the amount added field denotes that the reagent was used undiluted. All calculations are performed using the stated concentration for this reagent.

Method 8081B

Organochlorine Pesticides (GC) by Method 8081B

FORM II
GC SEMI VOA SURROGATE RECOVERY

Lab Name: TestAmerica Buffalo Job No.: 480-55783-1

SDG No.:

Matrix: Water Level: Low

GC Column (2): RTX-CLPII ID: 0.53 (mm)

Client Sample ID	Lab Sample ID	TCX2 #	DCB2 #
MW-P	480-55783-1	79	35
MW-3	480-55783-2	72	61
MW-1	480-55880-1	83	39
MW-4	480-55880-2	89	40
MW-5	480-55880-3	82	37
	MB 480-169831/1-A	79	61
	LCS 480-169831/2-A	82	70

	QC LIMITS
TCX = Tetrachloro-m-xylene	36-120
DCB = DCB Decachlorobiphenyl	20-120

Column to be used to flag recovery values

FORM II 8081B

FORM III
GC SEMI VOA LAB CONTROL SAMPLE RECOVERY

Lab Name: TestAmerica Buffalo Job No.: 480-55783-1

SDG No.:

Matrix: Water Level: Low Lab File ID: 6__13181.D

Lab ID: LCS 480-169831/2-A Client ID:

COMPOUND	SPIKE ADDED (ug/L)	LCS CONCENTRATION (ug/L)	LCS % REC	QC LIMITS REC	#
4,4'-DDD	0.400	0.386	96	51-138	
4,4'-DDE	0.400	0.418	104	45-133	
4,4'-DDT	0.400	0.377	94	50-136	
Aldrin	0.400	0.396	99	40-125	
alpha-BHC	0.400	0.371	93	52-125	
alpha-Chlordane	0.400	0.260	65	52-133	
beta-BHC	0.400	0.422	106	51-135	
delta-BHC	0.400	0.353	88	51-132	
Dieldrin	0.400	0.443	111	49-136	
Endosulfan I	0.400	0.356	89	51-134	
Endosulfan II	0.400	0.421	105	52-138	
Endosulfan sulfate	0.400	0.458	115	47-136	
Endrin	0.400	0.451	113	52-143	
Endrin aldehyde	0.400	0.419	105	46-134	
Endrin ketone	0.400	0.463	116	51-138	
gamma-BHC (Lindane)	0.400	0.396	99	56-127	
gamma-Chlordane	0.400	0.370	92	52-128	
Heptachlor	0.400	0.434	108	51-125	
Heptachlor epoxide	0.400	0.427	107	50-140	
Methoxychlor	0.400	0.527	132	50-151	

Column to be used to flag recovery and RPD values

FORM III 8081B

FORM IV
GC SEMI VOA METHOD BLANK SUMMARY

Lab Name: TestAmerica Buffalo Job No.: 480-55783-1

SDG No.:

Lab Sample ID: MB 480-169831/1-A

Matrix: Water Date Extracted: 03/13/2014 08:50

Lab File ID:(1) Lab File ID:(2) 6__13180.D

Date Analyzed:(1) Date Analyzed:(2) 03/14/2014 14:41

Instrument ID:(1) HP6890-6 Instrument ID:(2) HP6890-6

GC Column:(1) RTX-CLPI ID: 0.53(mm) GC Column:(2) RTX-CLPII 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 480-169831/2-A		03/14/2014 14:59
MW-P	480-55783-1		03/14/2014 15:16
MW-3	480-55783-2		03/14/2014 15:34
MW-4	480-55880-2		03/14/2014 15:52
MW-1	480-55880-1		03/14/2014 16:09
MW-5	480-55880-3		03/14/2014 16:27

FORM I
GC SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Buffalo | Job No.: 480-55783-1

SDG No.:

Client Sample ID: MW-P | Lab Sample ID: 480-55783-1

Matrix: Water | Lab File ID: 6__13182.D

Analysis Method: 8081B | Date Collected: 03/10/2014 14:05

Extraction Method: 3510C | Date Extracted: 03/13/2014 08:50

Sample wt/vol: 253.1(mL) | Date Analyzed: 03/14/2014 15:16

Con. Extract Vol.: 2(mL) | Dilution Factor: 1

Injection Volume: 1(uL) | GC Column: RTX-CLPII ID: 0.53(mm)

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

Analysis Batch No.: 170073 | Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
72-54-8	4,4'-DDD	ND		0.049	0.0091
72-55-9	4,4'-DDE	ND		0.049	0.011
50-29-3	4,4'-DDT	0.019	J	0.049	0.011
309-00-2	Aldrin	ND		0.049	0.0065
319-84-6	alpha-BHC	ND		0.049	0.0065
5103-71-9	alpha-Chlordane	ND		0.049	0.015
319-85-7	beta-BHC	ND		0.049	0.024
319-86-8	delta-BHC	0.013	J	0.049	0.0099
60-57-1	Dieldrin	ND		0.049	0.0097
959-98-8	Endosulfan I	ND		0.049	0.011
33213-65-9	Endosulfan II	ND		0.049	0.012
1031-07-8	Endosulfan sulfate	ND		0.049	0.016
72-20-8	Endrin	ND		0.049	0.014
7421-93-4	Endrin aldehyde	ND		0.049	0.016
53494-70-5	Endrin ketone	ND		0.049	0.012
58-89-9	gamma-BHC (Lindane)	ND		0.049	0.0059
5103-74-2	gamma-Chlordane	ND		0.049	0.011
76-44-8	Heptachlor	ND		0.049	0.0084
1024-57-3	Heptachlor epoxide	ND		0.049	0.0052
72-43-5	Methoxychlor	ND		0.049	0.014
8001-35-2	Toxaphene	ND		0.49	0.12

CAS NO.	SURROGATE	%REC	Q	LIMITS
2051-24-3	DCB Decachlorobiphenyl	35		20-120
877-09-8	Tetrachloro-m-xylene	79		36-120

TestAmerica Buffalo
Target Compound Quantitation Report

Data File: \\Bufchrom\ChromData\HP6890-06\20140314-30173.b\6__13182.D
Lims ID: 480-55783-F-1-A Lab Sample ID: 480-55783-1
Client ID: MW-P
Sample Type: Client
Inject. Date: 14-Mar-2014 15:16:49 ALS Bottle#: 0 Worklist Smp#: 10
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: #: Name:
Misc. Info.: Study: Channel B: I/F Serial#, CN10520010
Operator ID: buftchrom Instrument ID: HP6890-6

Method: \\Bufchrom\ChromData\HP6890-06\20140314-30173.b\8081-6.m
Limit Group: GC - 8081B ICAL
Last Update: 17-Mar-2014 14:42:13 Calib Date: 05-Mar-2014 11:21:20
Integrator: Falcon
Quant Method: External Standard Quant By: Initial Calibration
Last ICal File: \\Bufchrom\ChromData\HP6890-06\20140305-29947.b\6__13088.D

Column 1 : Det: Ch-A-6A58132
Column 2 : Det: Ch-B-6b58132
Process Host: XAWRK035

First Level Reviewer: WolfL Date: 17-Mar-2014 14:35:20

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	On-Col Amt ng/ul	Flags
$ 4 Tetrachloro-m-xylene						
1	2.170	2.180	-0.010	1077726	0.0159	
2	2.383	2.387	-0.004	739050	0.0158	
					RPD = 0.76	
9 delta-BHC						
1	2.983	2.993	-0.010	22781	0.001566	
2	3.410	3.423	-0.013	59878	0.001610	
					RPD = 2.74	
16 gamma-Chlordane						
1	4.063	4.090	-0.027	173056	0.002904	
2	4.550	4.553	-0.003	29323	0.001128	
					RPD = 88.09	
28 4,4'-DDT						M
1	5.187	5.200	-0.013	10895	0.001392	M
2	5.813	5.820	-0.007	593	0.002352	
					RPD = 51.28	
33 Endrin ketone						
1	6.170	6.197	-0.027	69421	0.001104	
2	6.703	6.730	-0.027	2980	0.001245	
					RPD = 12.03	
$ 34 DCB Decachlorobiphenyl						
1	7.207	7.227	-0.020	344690	0.007315	
2	7.993	8.003	-0.010	327714	0.007082	
					RPD = 3.23	

QC Flag Legend

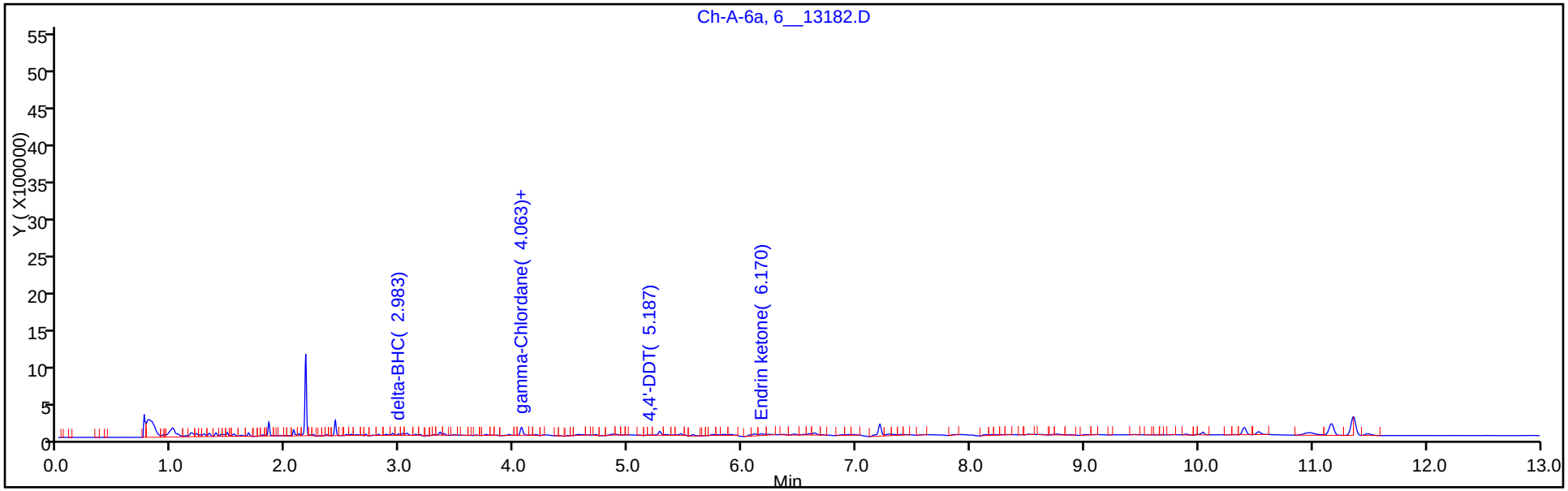
Review Flags
M - Manually Integrated

Report Date: 17-Mar-2014 14:42:18 Chrom Revision: 2.1 17-Feb-2014 09:05:58

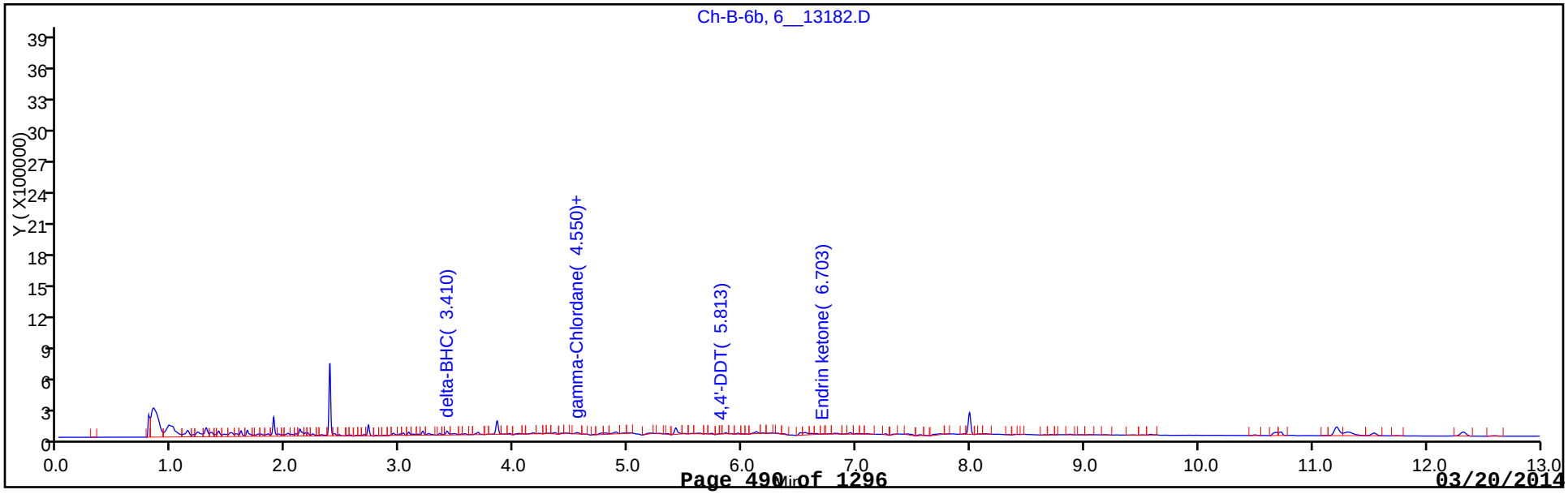
TestAmerica Buffalo

Data File:	\\Bufchrom\ChromData\HP6890-06\20140314-30173.b\6__13182.D				
Injection Date:	14-Mar-2014 15:16:49	Instrument ID:	HP6890-6	Operator ID:	buftchrom
Lims ID:	480-55783-F-1-A	Lab Sample ID:	480-55783-1	Worklist Smp#:	10
Client ID:	MW-P				
Injection Vol:	1.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	0
Method:	8081-6	Limit Group:	GC - 8081B ICAL		

Y Scaling: Method Defined: Set to Absolute Y Value



Y Scaling: Method Defined: Set to Absolute Y Value



FORM I
GC SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Buffalo | Job No.: 480-55783-1

SDG No.:

Client Sample ID: MW-3 | Lab Sample ID: 480-55783-2

Matrix: Water | Lab File ID: 6__13183.D

Analysis Method: 8081B | Date Collected: 03/10/2014 15:00

Extraction Method: 3510C | Date Extracted: 03/13/2014 08:50

Sample wt/vol: 257.6(mL) | Date Analyzed: 03/14/2014 15:34

Con. Extract Vol.: 2(mL) | Dilution Factor: 1

Injection Volume: 1(uL) | GC Column: RTX-CLPII ID: 0.53(mm)

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

Analysis Batch No.: 170073 | Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
72-54-8	4,4'-DDD	ND		0.049	0.0089
72-55-9	4,4'-DDE	ND		0.049	0.011
50-29-3	4,4'-DDT	0.027	J	0.049	0.011
309-00-2	Aldrin	ND		0.049	0.0064
319-84-6	alpha-BHC	ND		0.049	0.0064
5103-71-9	alpha-Chlordane	ND		0.049	0.014
319-85-7	beta-BHC	ND		0.049	0.024
319-86-8	delta-BHC	0.010	J	0.049	0.0097
60-57-1	Dieldrin	ND		0.049	0.0095
959-98-8	Endosulfan I	ND		0.049	0.011
33213-65-9	Endosulfan II	ND		0.049	0.012
1031-07-8	Endosulfan sulfate	ND		0.049	0.015
72-20-8	Endrin	ND		0.049	0.013
7421-93-4	Endrin aldehyde	ND		0.049	0.016
53494-70-5	Endrin ketone	ND		0.049	0.012
58-89-9	gamma-BHC (Lindane)	ND		0.049	0.0058
5103-74-2	gamma-Chlordane	0.012	J	0.049	0.011
76-44-8	Heptachlor	ND		0.049	0.0082
1024-57-3	Heptachlor epoxide	ND		0.049	0.0051
72-43-5	Methoxychlor	ND		0.049	0.014
8001-35-2	Toxaphene	ND		0.49	0.12

CAS NO.	SURROGATE	%REC	Q	LIMITS
2051-24-3	DCB Decachlorobiphenyl	61		20-120
877-09-8	Tetrachloro-m-xylene	72		36-120

TestAmerica Buffalo
Target Compound Quantitation Report

Data File: \\Bufchrom\ChromData\HP6890-06\20140314-30173.b\6__13183.D
Lims ID: 480-55783-D-2-A Lab Sample ID: 480-55783-2
Client ID: MW-3
Sample Type: Client
Inject. Date: 14-Mar-2014 15:34:29 ALS Bottle#: 0 Worklist Smp#: 11
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: #: Name:
Misc. Info.: Study: Channel B: I/F Serial#, CN10520010
Operator ID: buftchrom Instrument ID: HP6890-6

Method: \\Bufchrom\ChromData\HP6890-06\20140314-30173.b\8081-6.m
Limit Group: GC - 8081B ICAL
Last Update: 17-Mar-2014 14:42:13 Calib Date: 05-Mar-2014 11:21:20
Integrator: Falcon
Quant Method: External Standard Quant By: Initial Calibration
Last ICal File: \\Bufchrom\ChromData\HP6890-06\20140305-29947.b\6__13088.D

Column 1 : Det: Ch-A-6A58132
Column 2 : Det: Ch-B-6b58132
Process Host: XAWRK035

First Level Reviewer: WolfL Date: 17-Mar-2014 14:35:59

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	On-Col Amt ng/ul	Flags
$ 4 Tetrachloro-m-xylene						
1	2.167	2.180	-0.013	950547	0.0141	
2	2.383	2.387	-0.004	669692	0.0144	
					RPD = 1.53	
9 delta-BHC						
1	3.000	2.993	0.007	7436	0.001430	
2	3.410	3.423	-0.013	32953	0.001338	
					RPD = 6.65	
16 gamma-Chlordane						M
1	4.060	4.090	-0.030	297032	0.004313	
2	4.527	4.553	-0.026	62857	0.001491	M
					RPD = 97.25	
28 4,4'-DDT						
1	5.180	5.200	-0.020	8644	0.001362	
2	5.857	5.820	0.037	66082	0.003415	
					RPD = 85.97	
$ 34 DCB Decachlorobiphenyl						
1	7.203	7.227	-0.024	456311	0.009683	
2	7.993	8.003	-0.010	565980	0.0122	
					RPD = 23.25	

QC Flag Legend

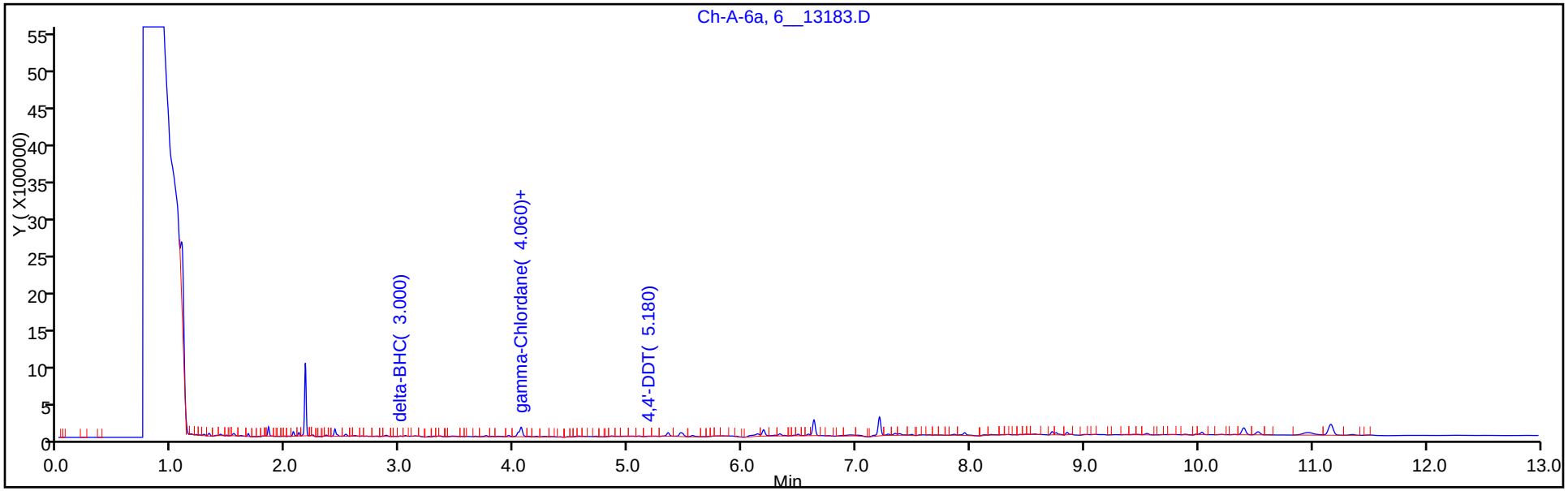
Review Flags
M - Manually Integrated

Report Date: 17-Mar-2014 14:42:20 Chrom Revision: 2.1 17-Feb-2014 09:05:58

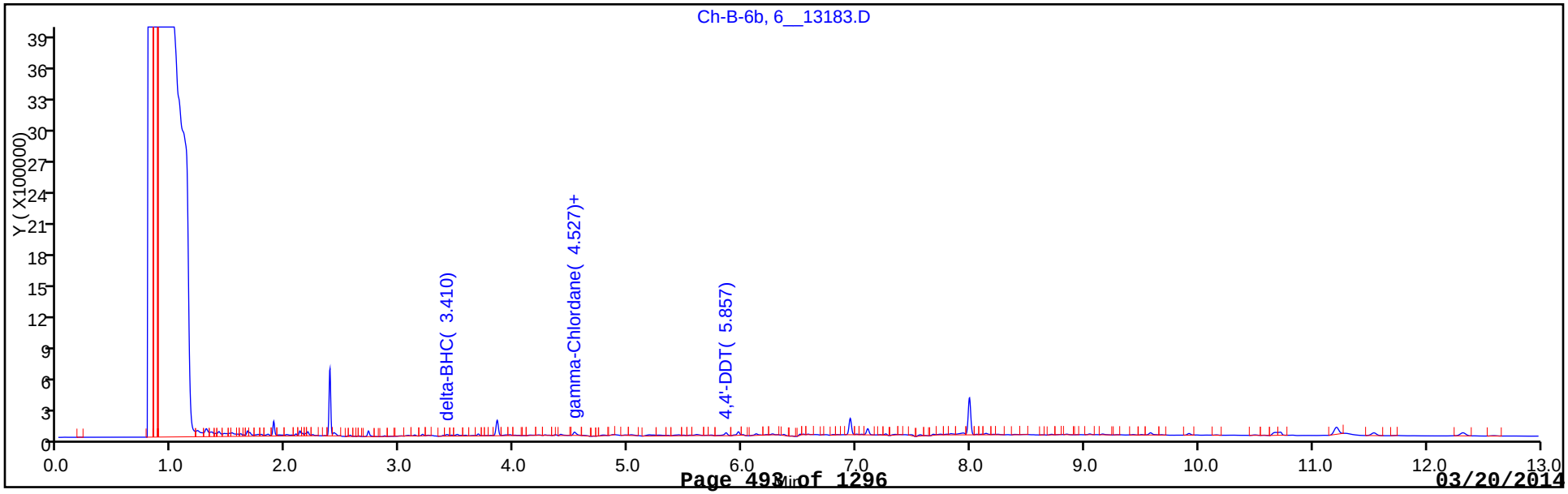
TestAmerica Buffalo

Data File:	\\Bufchrom\ChromData\HP6890-06\20140314-30173.b\6__13183.D				
Injection Date:	14-Mar-2014 15:34:29	Instrument ID:	HP6890-6	Operator ID:	buftchrom
Lims ID:	480-55783-D-2-A	Lab Sample ID:	480-55783-2	Worklist Smp#:	11
Client ID:	MW-3				
Injection Vol:	1.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	0
Method:	8081-6	Limit Group:	GC - 8081B ICAL		

Y Scaling: Method Defined: Set to Absolute Y Value



Y Scaling: Method Defined: Set to Absolute Y Value



Manual Integration/User Assign Peak Report

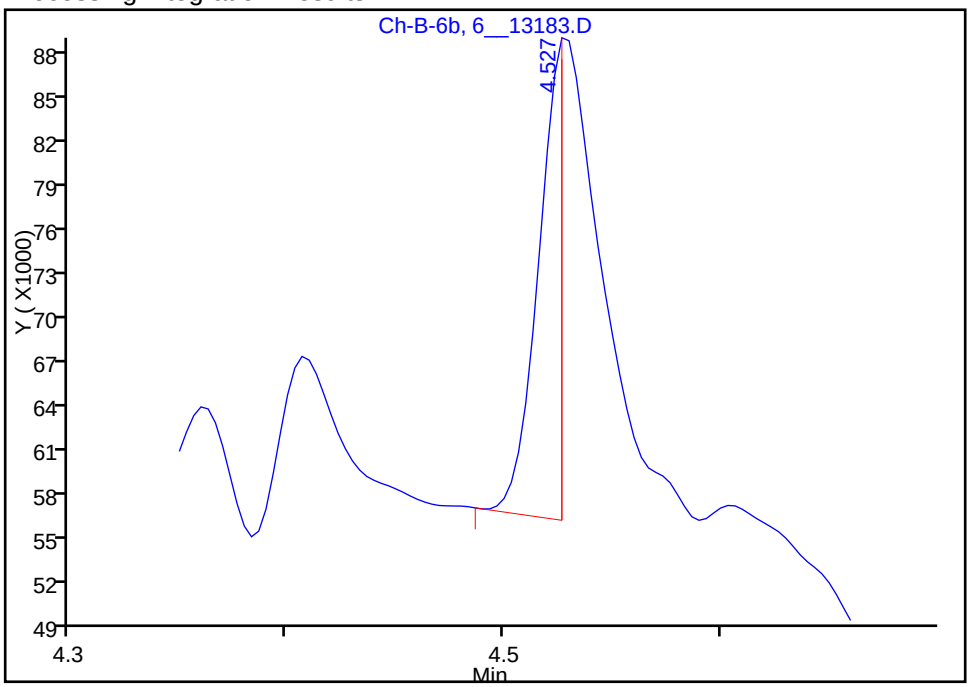
TestAmerica Buffalo

Data File:	\\Bufchrom\ChromData\HP6890-06\20140314-30173.b\6__13183.D				
Injection Date:	14-Mar-2014 15:34:29	Instrument ID:	HP6890-6		
Lims ID:	480-55783-D-2-A	Lab Sample ID:	480-55783-2		
Client ID:	MW-3				
Operator ID:	buftchrom	ALS Bottle#:	0	Worklist Smp#:	11
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	8081-6	Limit Group:	GC - 8081B ICAL		
Column:		Detector	Ch-B-6b58132		

16 gamma-Chlordane, CAS: 5103-74-2

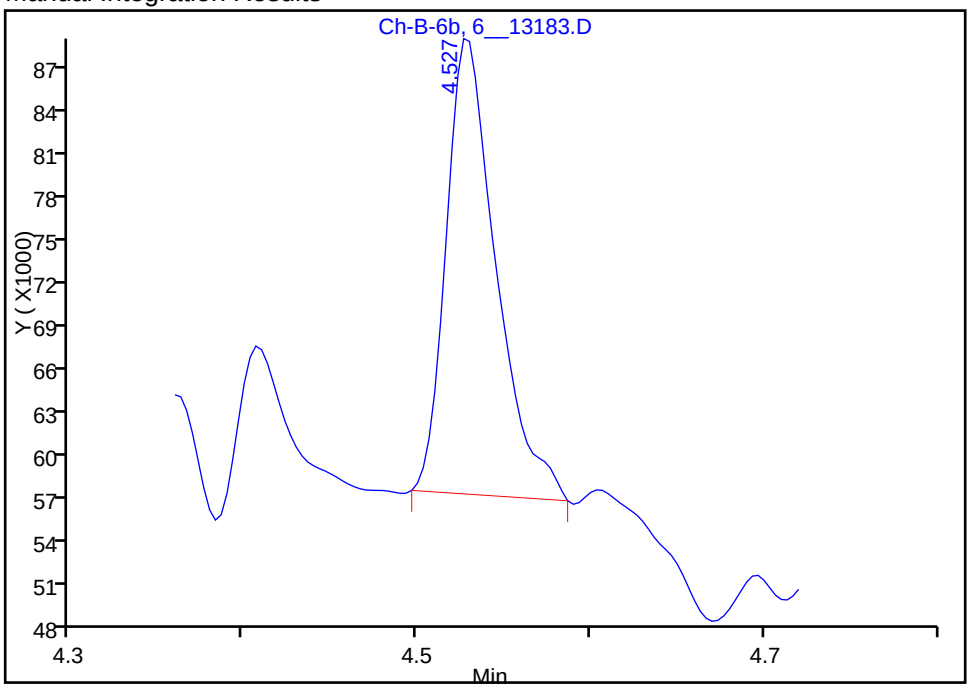
Processing Integration Results

RT: 4.53
Response: 23104
Amount: 0.001061



Manual Integration Results

RT: 4.53
Response: 62857
Amount: 0.001491



Reviewer: WolfL, 17-Mar-2014 14:35:59
Audit Action: Manually Integrated
Audit Reason: Incomplete Integration

FORM I
GC SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Buffalo | Job No.: 480-55783-1

SDG No.:

Client Sample ID: MW-1 | Lab Sample ID: 480-55880-1

Matrix: Water | Lab File ID: 6__13185.D

Analysis Method: 8081B | Date Collected: 03/11/2014 15:20

Extraction Method: 3510C | Date Extracted: 03/13/2014 08:50

Sample wt/vol: 250(mL) | Date Analyzed: 03/14/2014 16:09

Con. Extract Vol.: 2(mL) | Dilution Factor: 5

Injection Volume: 1(uL) | GC Column: RTX-CLPII ID: 0.53(mm)

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

Analysis Batch No.: 170073 | Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
72-54-8	4,4'-DDD	ND		0.25	0.046
72-55-9	4,4'-DDE	ND		0.25	0.058
50-29-3	4,4'-DDT	ND		0.25	0.055
309-00-2	Aldrin	ND		0.25	0.033
319-84-6	alpha-BHC	ND		0.25	0.033
5103-71-9	alpha-Chlordane	ND		0.25	0.074
319-85-7	beta-BHC	ND		0.25	0.12
319-86-8	delta-BHC	ND		0.25	0.050
60-57-1	Dieldrin	ND		0.25	0.049
959-98-8	Endosulfan I	ND		0.25	0.055
33213-65-9	Endosulfan II	ND		0.25	0.060
1031-07-8	Endosulfan sulfate	ND		0.25	0.079
72-20-8	Endrin	ND		0.25	0.069
7421-93-4	Endrin aldehyde	ND		0.25	0.082
53494-70-5	Endrin ketone	ND		0.25	0.060
58-89-9	gamma-BHC (Lindane)	ND		0.25	0.030
5103-74-2	gamma-Chlordane	ND		0.25	0.055
76-44-8	Heptachlor	0.080	J	0.25	0.043
1024-57-3	Heptachlor epoxide	ND		0.25	0.027
72-43-5	Methoxychlor	ND		0.25	0.071
8001-35-2	Toxaphene	ND		2.5	0.60

CAS NO.	SURROGATE	%REC	Q	LIMITS
2051-24-3	DCB Decachlorobiphenyl	39		20-120
877-09-8	Tetrachloro-m-xylene	83		36-120

TestAmerica Buffalo
Target Compound Quantitation Report

Data File: \\Bufchrom\ChromData\HP6890-06\20140314-30173.b\6__13185.D
Lims ID: 480-55880-H-1-A Lab Sample ID: 480-55880-1
Client ID: MW-1
Sample Type: Client
Inject. Date: 14-Mar-2014 16:09:34 ALS Bottle#: 0 Worklist Smp#: 13
Injection Vol: 1.0 ul Dil. Factor: 5.0000
Sample Info: #: Name:
Misc. Info.: Study: Channel B: I/F Serial#, CN10520010
Operator ID: buftchrom Instrument ID: HP6890-6

Method: \\Bufchrom\ChromData\HP6890-06\20140314-30173.b\8081-6.m
Limit Group: GC - 8081B ICAL
Last Update: 17-Mar-2014 14:42:13 Calib Date: 05-Mar-2014 11:21:20
Integrator: Falcon
Quant Method: External Standard Quant By: Initial Calibration
Last ICal File: \\Bufchrom\ChromData\HP6890-06\20140305-29947.b\6__13088.D

Column 1 : Det: Ch-A-6A58132
Column 2 : Det: Ch-B-6b58132
Process Host: XAWRK035

First Level Reviewer: WolfL Date: 17-Mar-2014 14:36:45

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	On-Col Amt ng/ul	Flags
$ 4 Tetrachloro-m-xylene						
1	2.170	2.180	-0.010	235790	0.004109	
2	2.380	2.387	-0.007	140080	0.003312	
					RPD = 21.46	
11 Heptachlor						
1	3.153	3.163	-0.010	238958	0.002756	
2	3.497	3.497	0.0	199652	0.001989	
					RPD = 32.29	
16 gamma-Chlordane						
1	4.063	4.090	-0.027	128473	0.002398	
2	4.577	4.553	0.024	26072	0.001093	
					RPD = 74.76	
$ 34 DCB Decachlorobiphenyl						
1	7.210	7.227	-0.017	56189	0.001192	
2	7.993	8.003	-0.010	72661	0.001570	
					RPD = 27.35	

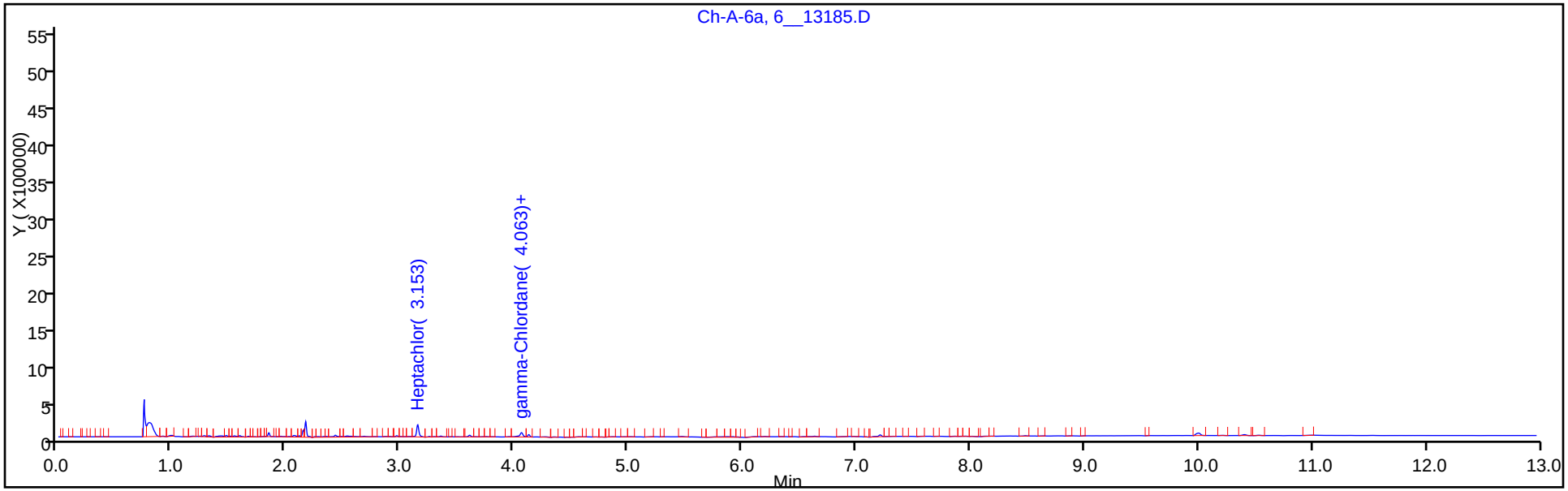
Report Date: 17-Mar-2014 14:42:22 Chrom Revision: 2.1 17-Feb-2014 09:05:58

TestAmerica Buffalo

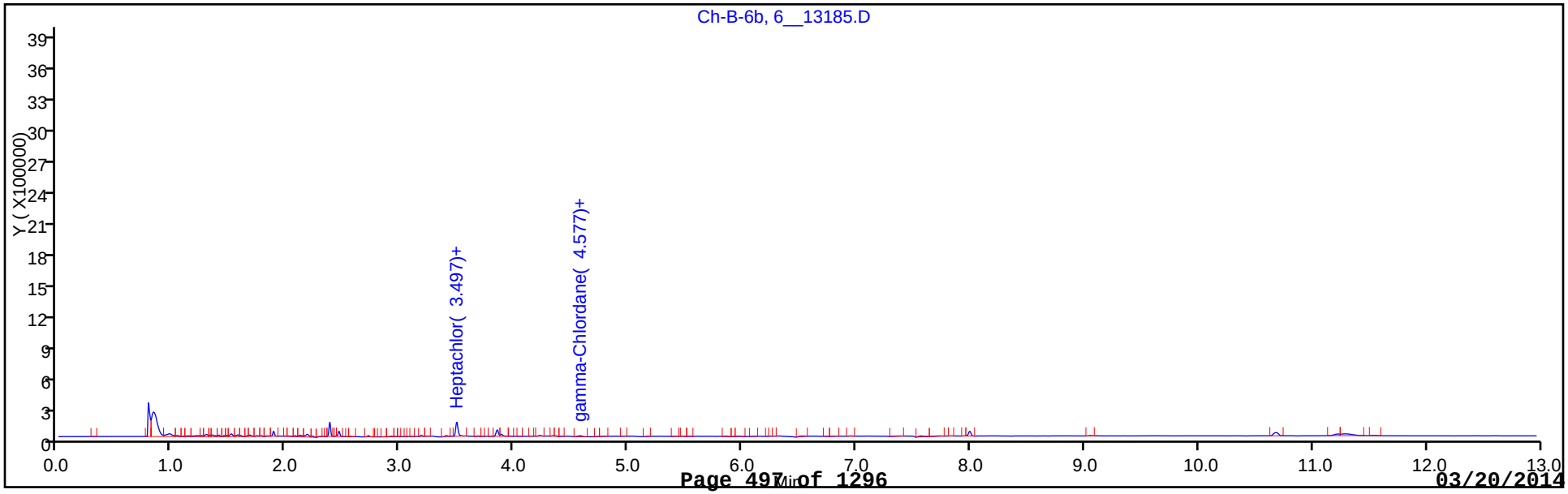
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Injection Date:	14-Mar-2014 16:09:34	Instrument ID:	HP6890-6	Operator ID:	buftchrom
Lims ID:	480-55880-H-1-A	Lab Sample ID:	480-55880-1	Worklist Smp#:	13
Client ID:	MW-1				
Injection Vol:	1.0 ul	Dil. Factor:	5.0000	ALS Bottle#:	0
Method:	8081-6	Limit Group:	GC - 8081B ICAL		

Y Scaling: Method Defined: Set to Absolute Y Value



Y Scaling: Method Defined: Set to Absolute Y Value



FORM I
GC SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Buffalo | Job No.: 480-55783-1

SDG No.:

Client Sample ID: MW-4 | Lab Sample ID: 480-55880-2

Matrix: Water | Lab File ID: 6__13184.D

Analysis Method: 8081B | Date Collected: 03/11/2014 14:35

Extraction Method: 3510C | Date Extracted: 03/13/2014 08:50

Sample wt/vol: 250.3(mL) | Date Analyzed: 03/14/2014 15:52

Con. Extract Vol.: 2(mL) | Dilution Factor: 5

Injection Volume: 1(uL) | GC Column: RTX-CLPII ID: 0.53(mm)

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

Analysis Batch No.: 170073 | Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
72-54-8	4,4'-DDD	ND		0.25	0.046
72-55-9	4,4'-DDE	ND		0.25	0.058
50-29-3	4,4'-DDT	ND		0.25	0.055
309-00-2	Aldrin	ND		0.25	0.033
319-84-6	alpha-BHC	ND		0.25	0.033
5103-71-9	alpha-Chlordane	ND		0.25	0.074
319-85-7	beta-BHC	ND		0.25	0.12
319-86-8	delta-BHC	ND		0.25	0.050
60-57-1	Dieldrin	ND		0.25	0.049
959-98-8	Endosulfan I	ND		0.25	0.055
33213-65-9	Endosulfan II	ND		0.25	0.060
1031-07-8	Endosulfan sulfate	ND		0.25	0.078
72-20-8	Endrin	ND		0.25	0.069
7421-93-4	Endrin aldehyde	ND		0.25	0.081
53494-70-5	Endrin ketone	ND		0.25	0.060
58-89-9	gamma-BHC (Lindane)	ND		0.25	0.030
5103-74-2	gamma-Chlordane	ND		0.25	0.055
76-44-8	Heptachlor	ND		0.25	0.042
1024-57-3	Heptachlor epoxide	ND		0.25	0.026
72-43-5	Methoxychlor	ND		0.25	0.070
8001-35-2	Toxaphene	ND		2.5	0.60

CAS NO.	SURROGATE	%REC	Q	LIMITS
2051-24-3	DCB Decachlorobiphenyl	40		20-120
877-09-8	Tetrachloro-m-xylene	89		36-120

TestAmerica Buffalo
Target Compound Quantitation Report

Data File: \\Bufchrom\ChromData\HP6890-06\20140314-30173.b\6__13184.D
Lims ID: 480-55880-C-2-A Lab Sample ID: 480-55880-2
Client ID: MW-4
Sample Type: Client
Inject. Date: 14-Mar-2014 15:52:07 ALS Bottle#: 0 Worklist Smp#: 12
Injection Vol: 1.0 ul Dil. Factor: 5.0000
Sample Info: #: Name:
Misc. Info.: Study: Channel B: I/F Serial#, CN10520010
Operator ID: buftchrom Instrument ID: HP6890-6

Method: \\Bufchrom\ChromData\HP6890-06\20140314-30173.b\8081-6.m
Limit Group: GC - 8081B ICAL
Last Update: 17-Mar-2014 14:42:13 Calib Date: 05-Mar-2014 11:21:20
Integrator: Falcon
Quant Method: External Standard Quant By: Initial Calibration
Last ICal File: \\Bufchrom\ChromData\HP6890-06\20140305-29947.b\6__13088.D

Column 1 : Det: Ch-A-6A58132
Column 2 : Det: Ch-B-6b58132
Process Host: XAWRK035

First Level Reviewer: WolfL Date: 17-Mar-2014 14:36:18

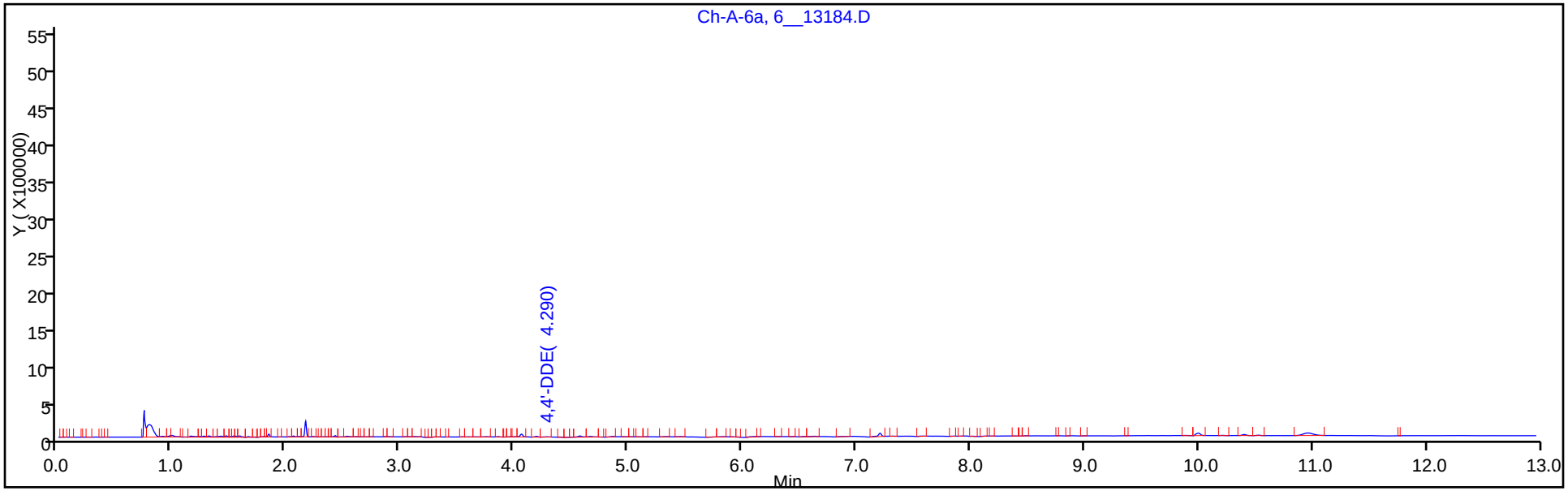
Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	On-Col Amt ng/ul	Flags
$ 4 Tetrachloro-m-xylene						
1	2.170	2.180	-0.010	207296	0.003709	
2	2.380	2.387	-0.007	151220	0.003545	
					RPD = 4.51	
18 4,4'-DDE						
1	4.290	4.313	-0.023	8666	0.001171	
2	4.880	4.893	-0.013	25972	0.001152	
					RPD = 1.61	
$ 34 DCB Decachlorobiphenyl						
1	7.207	7.227	-0.020	94223	0.002000	
2	7.993	8.003	-0.010	74349	0.001607	
					RPD = 21.78	

Report Date: 17-Mar-2014 14:42:21 Chrom Revision: 2.1 17-Feb-2014 09:05:58

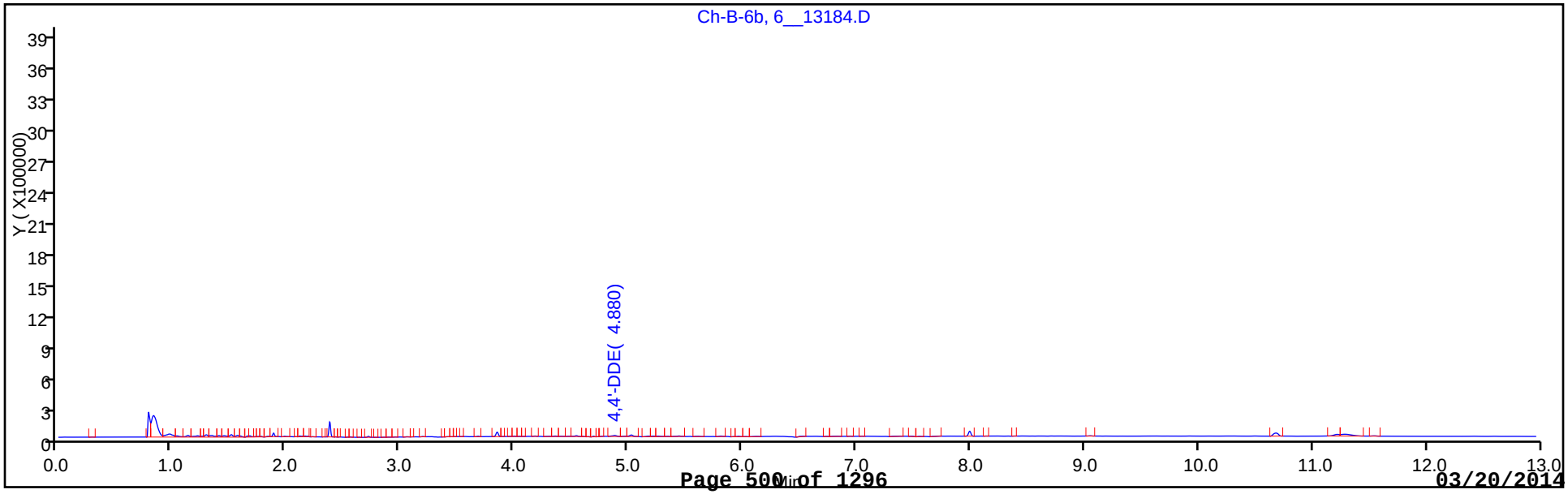
TestAmerica Buffalo

Data File:	\\Bufchrom\ChromData\HP6890-06\20140314-30173.b\6__13184.D				
Injection Date:	14-Mar-2014 15:52:07	Instrument ID:	HP6890-6	Operator ID:	buftchrom
Lims ID:	480-55880-C-2-A	Lab Sample ID:	480-55880-2	Worklist Smp#:	12
Client ID:	MW-4				
Injection Vol:	1.0 ul	Dil. Factor:	5.0000	ALS Bottle#:	0
Method:	8081-6	Limit Group:	GC - 8081B ICAL		

Y Scaling: Method Defined: Set to Absolute Y Value



Y Scaling: Method Defined: Set to Absolute Y Value



FORM I
GC SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Buffalo | Job No.: 480-55783-1

SDG No.:

Client Sample ID: MW-5 | Lab Sample ID: 480-55880-3

Matrix: Water | Lab File ID: 6__13186.D

Analysis Method: 8081B | Date Collected: 03/11/2014 13:50

Extraction Method: 3510C | Date Extracted: 03/13/2014 08:50

Sample wt/vol: 237.1(mL) | Date Analyzed: 03/14/2014 16:27

Con. Extract Vol.: 2(mL) | Dilution Factor: 1

Injection Volume: 1(uL) | GC Column: RTX-CLPII ID: 0.53(mm)

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

Analysis Batch No.: 170073 | Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
72-54-8	4,4'-DDD	ND		0.053	0.0097
72-55-9	4,4'-DDE	ND		0.053	0.012
50-29-3	4,4'-DDT	ND		0.053	0.012
309-00-2	Aldrin	ND		0.053	0.0070
319-84-6	alpha-BHC	0.0088	J	0.053	0.0070
5103-71-9	alpha-Chlordane	ND		0.053	0.016
319-85-7	beta-BHC	ND		0.053	0.026
319-86-8	delta-BHC	0.012	J	0.053	0.011
60-57-1	Dieldrin	ND		0.053	0.010
959-98-8	Endosulfan I	ND		0.053	0.012
33213-65-9	Endosulfan II	ND		0.053	0.013
1031-07-8	Endosulfan sulfate	ND		0.053	0.017
72-20-8	Endrin	ND		0.053	0.015
7421-93-4	Endrin aldehyde	ND		0.053	0.017
53494-70-5	Endrin ketone	ND		0.053	0.013
58-89-9	gamma-BHC (Lindane)	ND		0.053	0.0063
5103-74-2	gamma-Chlordane	0.012	J	0.053	0.012
76-44-8	Heptachlor	ND		0.053	0.0090
1024-57-3	Heptachlor epoxide	ND		0.053	0.0056
72-43-5	Methoxychlor	ND		0.053	0.015
8001-35-2	Toxaphene	ND		0.53	0.13

CAS NO.	SURROGATE	%REC	Q	LIMITS
2051-24-3	DCB Decachlorobiphenyl	37		20-120
877-09-8	Tetrachloro-m-xylene	82		36-120

TestAmerica Buffalo
Target Compound Quantitation Report

Data File: \\Bufchrom\ChromData\HP6890-06\20140314-30173.b\6__13186.D
Lims ID: 480-55880-F-3-A Lab Sample ID: 480-55880-3
Client ID: MW-5
Sample Type: Client
Inject. Date: 14-Mar-2014 16:27:05 ALS Bottle#: 0 Worklist Smp#: 14
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: #: Name:
Misc. Info.: Study: Channel B: I/F Serial#, CN10520010
Operator ID: buftchrom Instrument ID: HP6890-6

Method: \\Bufchrom\ChromData\HP6890-06\20140314-30173.b\8081-6.m
Limit Group: GC - 8081B ICAL
Last Update: 17-Mar-2014 14:42:13 Calib Date: 05-Mar-2014 11:21:20
Integrator: Falcon
Quant Method: External Standard Quant By: Initial Calibration
Last ICal File: \\Bufchrom\ChromData\HP6890-06\20140305-29947.b\6__13088.D

Column 1 : Det: Ch-A-6A58132
Column 2 : Det: Ch-B-6b58132
Process Host: XAWRK035

First Level Reviewer: WolfL Date: 17-Mar-2014 14:37:54

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	On-Col Amt ng/ul	Flags
$ 4 Tetrachloro-m-xylene						
1	2.170	2.180	-0.010	1171986	0.0173	
2	2.383	2.387	-0.004	769881	0.0165	
					RPD = 4.75	
6 alpha-BHC						
1	2.533	2.560	-0.027	35372	0.001650	
2	2.787	2.823	-0.036	9667	0.001044	
					RPD = 44.94	
9 delta-BHC						
1	2.970	2.993	-0.023	3963	0.001399	
2	3.407	3.423	-0.016	44655	0.001456	
					RPD = 4.01	
16 gamma-Chlordane						
1	4.063	4.090	-0.027	218091	0.003416	
2	4.527	4.553	-0.026	51479	0.001368	
					RPD = 85.64	
18 4,4'-DDE						
1	4.273	4.313	-0.040	46528	0.001624	
2	4.890	4.893	-0.003	15057	0.001018	
					RPD = 45.93	

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	On-Col Amt ng/ul	Flags
33 Endrin ketone						
1	6.183	6.197	-0.014	128554	0.002017	
2	6.733	6.730	0.003	3735	0.001259	
					RPD = 46.29	
$ 34 DCB Decachlorobiphenyl						
1	7.210	7.227	-0.017	298920	0.006343	
2	7.997	8.003	-0.006	338730	0.007320	
					RPD = 14.30	

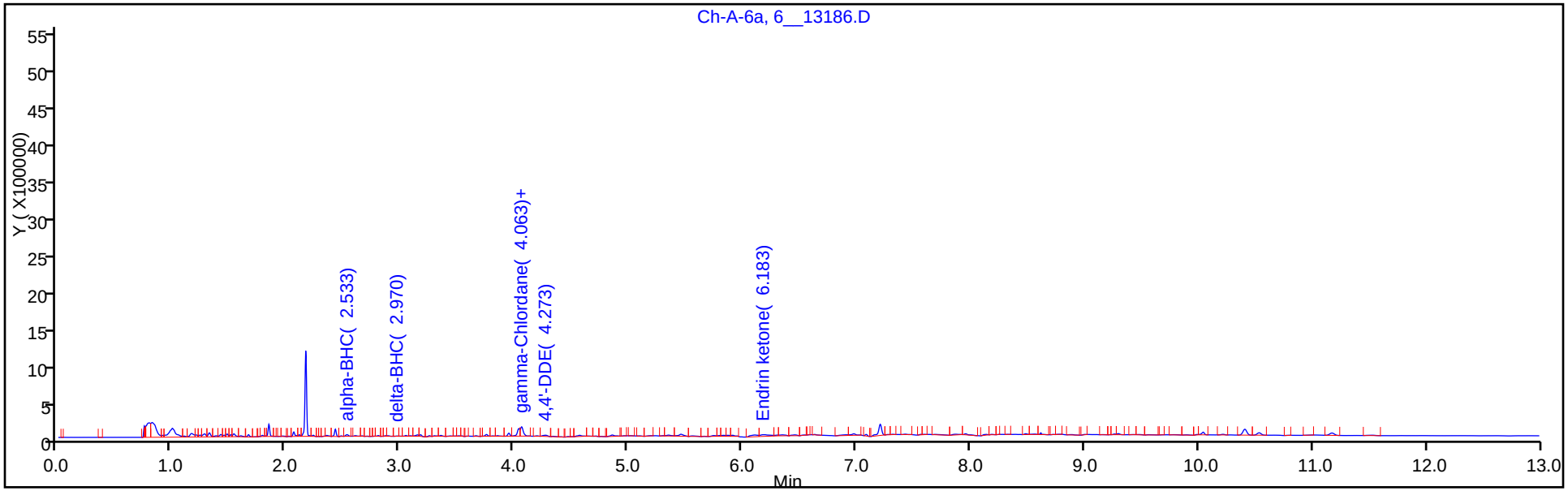
Report Date: 17-Mar-2014 14:42:23 Chrom Revision: 2.1 17-Feb-2014 09:05:58

TestAmerica Buffalo

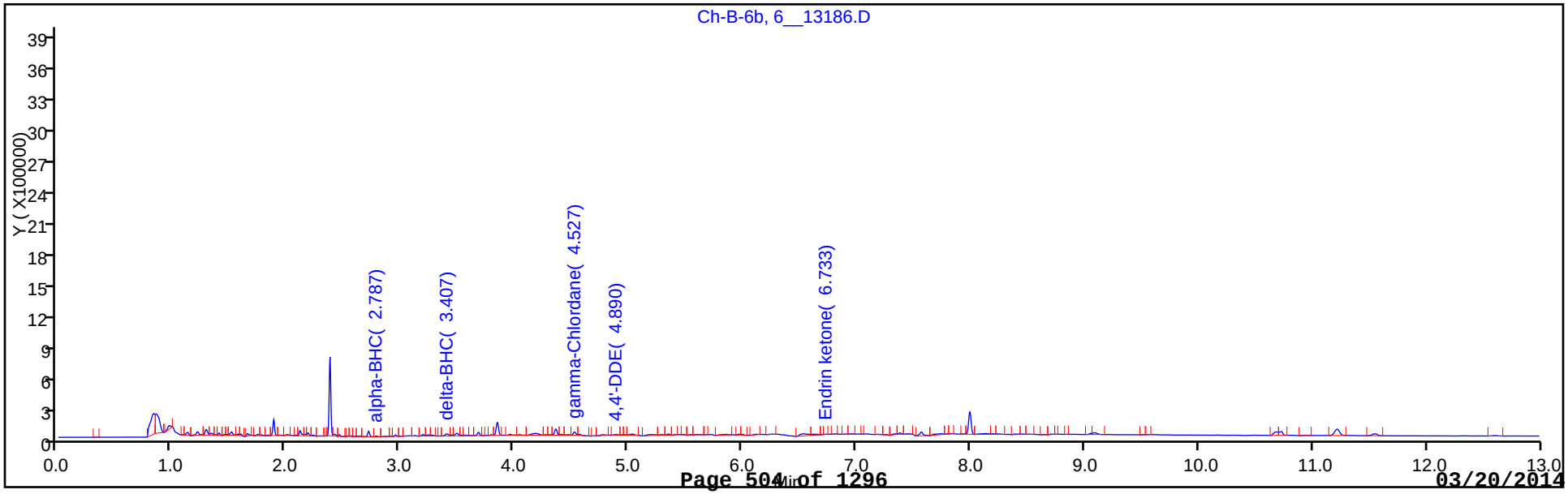
Data File: \\Bufchrom\ChromData\HP6890-06\20140314-30173.b\6__13186.D

Injection Date:	14-Mar-2014 16:27:05	Instrument ID:	HP6890-6	Operator ID:	buftchrom
Lims ID:	480-55880-F-3-A	Lab Sample ID:	480-55880-3	Worklist Smp#:	14
Client ID:	MW-5				
Injection Vol:	1.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	0
Method:	8081-6	Limit Group:	GC - 8081B ICAL		

Y Scaling: Method Defined: Set to Absolute Y Value



Y Scaling: Method Defined: Set to Absolute Y Value



FORM VI
GC SEMI VOA INITIAL CALIBRATION DATA
EXTERNAL STANDARD RETENTION TIME SUMMARY

Lab Name: TestAmerica Buffalo Job No.: 480-55783-1 Analy Batch No.: 158442

SDG No.:

Instrument ID: HP6890-6 GC Column: RTX-CLPII ID: 0.53(mm) Heated Purge: (Y/N) N

Calibration Start Date: 12/19/2013 17:07 Calibration End Date: 12/19/2013 18:17 Calibration ID: 16520

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	STD 480-158442/24	6__9039.D
Level 2	STD 480-158442/23	6__9038.D
Level 3	STD 480-158442/22	6__9037.D
Level 4	STD 480-158442/21	6__9036.D
Level 5	STD 480-158442/20	6__9035.D

ANALYTE	LVL 1	LVL 2	LVL 3	LVL 4	LVL 5						RT WINDOW	AVG RT
Toxaphene Peak 1	5.743	5.740	5.740	5.740	5.740						5.690 - 5.790	5.741
Toxaphene Peak 2	6.020	6.017	6.017	6.017	6.017						5.967 - 6.067	6.018
Toxaphene Peak 3	6.530	6.527	6.527	6.527	6.527						6.477 - 6.577	6.528

FORM VI
GC SEMI VOA INITIAL CALIBRATION DATA
EXTERNAL STANDARD CURVE EVALUATION

Lab Name: TestAmerica Buffalo Job No.: 480-55783-1 Analy Batch No.: 158442

SDG No.:

Instrument ID: HP6890-6 GC Column: RTX-CLPII ID: 0.53(mm) Heated Purge: (Y/N) N

Calibration Start Date: 12/19/2013 17:07 Calibration End Date: 12/19/2013 18:17 Calibration ID: 16520

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	STD 480-158442/24	6__9039.D
Level 2	STD 480-158442/23	6__9038.D
Level 3	STD 480-158442/22	6__9037.D
Level 4	STD 480-158442/21	6__9036.D
Level 5	STD 480-158442/20	6__9035.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 3	LVL 4		B	M1	M2								
Toxaphene Peak 1	4008560 3601689	4478200	3648744	3616154	Lin1	43263.4682	3579362.11							0.9990		0.9900
Toxaphene Peak 2	2215120 2077184	2533740	2087366	2094402	Lin1	19551.5460	2069915.32							0.9990		0.9900
Toxaphene Peak 3	1750120 1655215	2031960	1630818	1707196	Lin1	14331.6138	1658562.20							0.9980		0.9900

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

FORM VI
GC SEMI VOA INITIAL CALIBRATION DATA
EXTERNAL STANDARD RESPONSE AND CONCENTRATION

Lab Name: TestAmerica Buffalo Job No.: 480-55783-1 Analy Batch No.: 158442

SDG No.:

Instrument ID: HP6890-6 GC Column: RTX-CLPII ID: 0.53(mm) Heated Purge: (Y/N) N

Calibration Start Date: 12/19/2013 17:07 Calibration End Date: 12/19/2013 18:17 Calibration ID: 16520

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	STD 480-158442/24	6__9039.D
Level 2	STD 480-158442/23	6__9038.D
Level 3	STD 480-158442/22	6__9037.D
Level 4	STD 480-158442/21	6__9036.D
Level 5	STD 480-158442/20	6__9035.D

ANALYTE	CURVE TYPE	RESPONSE					CONCENTRATION (NG/UL)				
		LVL 1	LVL 2	LVL 3	LVL 4	LVL 5	LVL 1	LVL 2	LVL 3	LVL 4	LVL 5
Toxaphene Peak 1	Lin1	200428	447820	1824372	3616154	5402534	0.0500	0.100	0.500	1.00	1.50
Toxaphene Peak 2	Lin1	110756	253374	1043683	2094402	3115776	0.0500	0.100	0.500	1.00	1.50
Toxaphene Peak 3	Lin1	87506	203196	815409	1707196	2482822	0.0500	0.100	0.500	1.00	1.50

Curve Type Legend:
Lin1 = Linear 1/conc

TestAmerica Buffalo
Target Compound Quantitation Report

Data File: \\Bufchrom\ChromData\HP6890-06\20131219-28268.b\6__9035.D
Lims ID: std Lab Sample ID:
Client ID:
Sample Type: IC Calib Level: 1
Inject. Date: 19-Dec-2013 17:07:45 ALS Bottle#: 0 Worklist Smp#: 20
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: #: Name:
Misc. Info.: Study: Channel B: I/F Serial#, CN10520010
Operator ID: tchrom Instrument ID: HP6890-6
Sublist: chrom-8081-6*sub7

Method: \\Bufchrom\ChromData\HP6890-06\20131219-28268.b\8081-6.m
Limit Group: GC - 8081B ICAL
Last Update: 20-Dec-2013 11:48:46 Calib Date: 19-Dec-2013 20:02:58
Integrator: Falcon
Quant Method: External Standard Quant By: Initial Calibration
Last ICal File: \\Bufchrom\ChromData\HP6890-06\20131219-28268.b\6__9045.D

Column 1 : Detector: Ch-A-6A58132
Column 2 : Detector: Ch-B-6b58132
Process Host: XAWRK047

First Level Reviewer: WolfL Date: 20-Dec-2013 10:34:53

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	On-Col Amt ng/ul	Flags
27 Toxaphene						
1	5.133	5.133	0.0	3968068	1.48	
1	5.483	5.483	0.0	3309324	1.51	
1	5.903	5.907	-0.004	2987339	1.49	
		Average of Peak Amounts =			1.49	
2	5.740	5.740	0.0	5402534	1.50	
2	6.017	6.017	0.0	3115776	1.50	
2	6.527	6.527	0.0	2482822	1.49	
		Average of Peak Amounts =			1.49	
				RPD =	0.18	

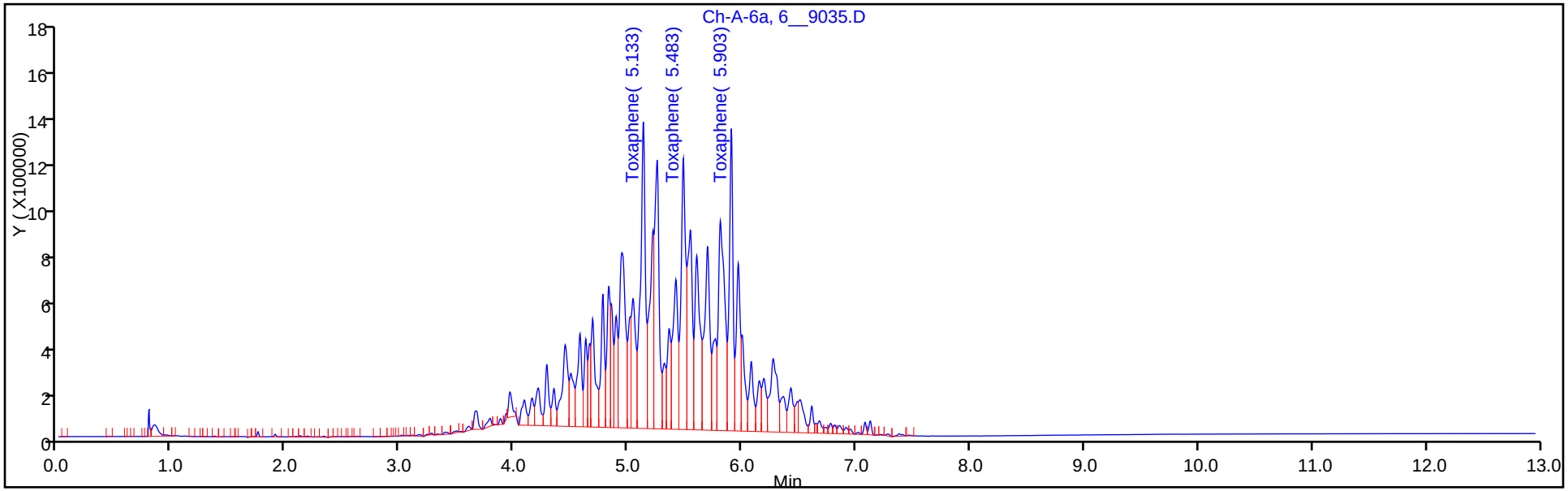
Report Date: 20-Dec-2013 11:48:47 Chrom Revision: 2.1 15-Oct-2013 07:52:24

TestAmerica Buffalo

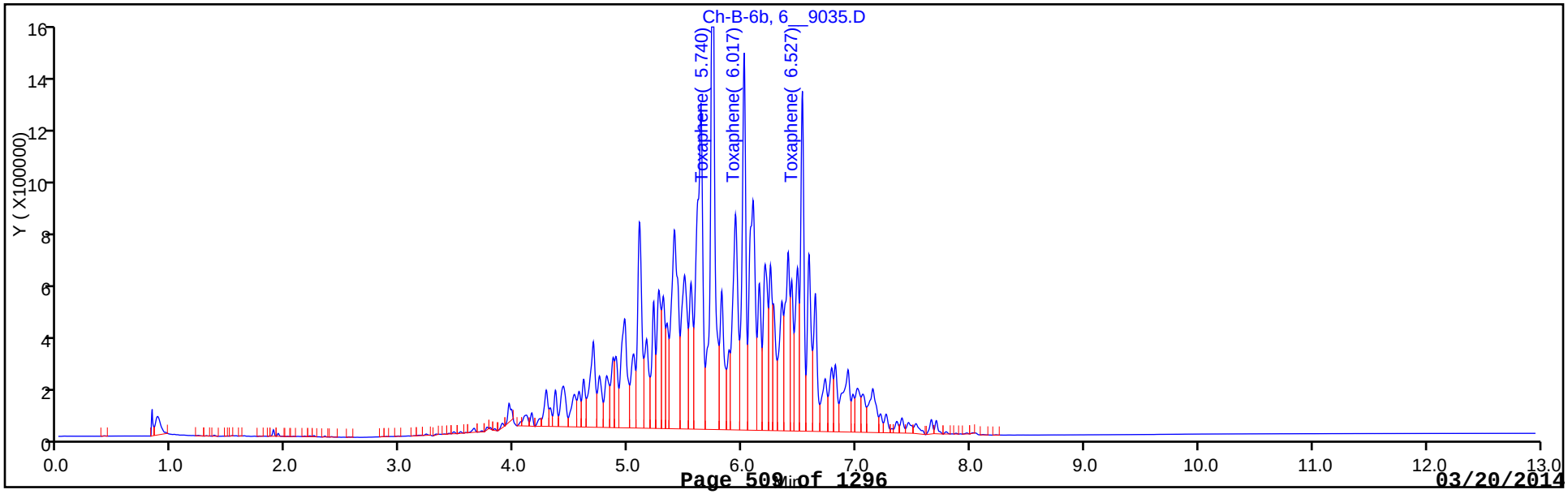
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Injection Date:	19-Dec-2013 17:07:45	Instrument ID:	HP6890-6	Operator ID:	tchrom
Lims ID:	std	Lab Sample ID:		Worklist Smp#:	20
Client ID:					
Injection Vol:	1.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	0
Method:	8081-6	Limit Group:	GC - 8081B ICAL		

Y Scaling: Method Defined: Set to Absolute Y Value



Y Scaling: Method Defined: Set to Absolute Y Value



TestAmerica Buffalo
Target Compound Quantitation Report

Data File: \\Bufchrom\ChromData\HP6890-06\20131219-28268.b\6__9036.D
Lims ID: std Lab Sample ID:
Client ID:
Sample Type: IC Calib Level: 2
Inject. Date: 19-Dec-2013 17:25:16 ALS Bottle#: 0 Worklist Smp#: 21
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: #: Name:
Misc. Info.: Study: Channel B: I/F Serial#, CN10520010
Operator ID: tchrom Instrument ID: HP6890-6
Sublist: chrom-8081-6*sub7

Method: \\Bufchrom\ChromData\HP6890-06\20131219-28268.b\8081-6.m
Limit Group: GC - 8081B ICAL
Last Update: 20-Dec-2013 11:48:49 Calib Date: 19-Dec-2013 20:02:58
Integrator: Falcon
Quant Method: External Standard Quant By: Initial Calibration
Last ICal File: \\Bufchrom\ChromData\HP6890-06\20131219-28268.b\6__9045.D

Column 1 : Detector: Ch-A-6A58132
Column 2 : Detector: Ch-B-6b58132
Process Host: XAWRK047

First Level Reviewer: WolfL Date: 20-Dec-2013 10:32:43

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	On-Col Amt ng/ul	Flags
27 Toxaphene						
1	5.133	5.133	0.0	2738148	1.02	
1	5.483	5.483	0.0	2176847	0.99	
1	5.903	5.907	-0.004	2035452	1.01	
		Average of Peak Amounts =			1.01	
2	5.740	5.740	0.0	3616154	1.00	
2	6.017	6.017	0.0	2094402	1.00	
2	6.527	6.527	0.0	1707196	1.02	
		Average of Peak Amounts =			1.01	
				RPD =	0.12	

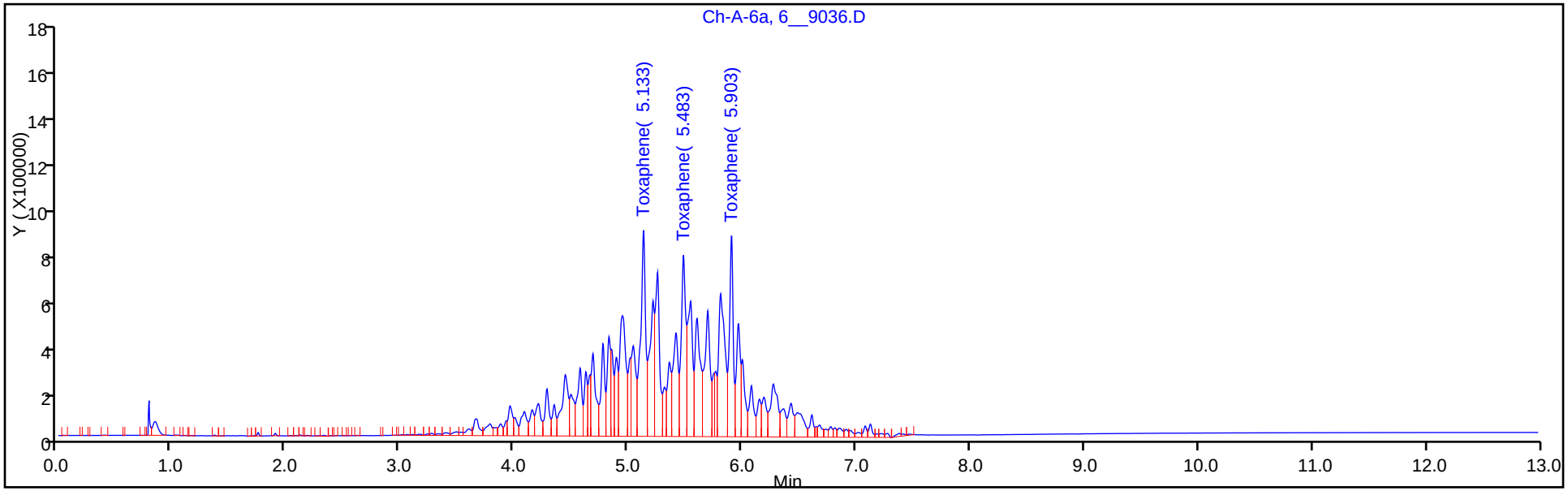
Report Date: 20-Dec-2013 11:48:50 Chrom Revision: 2.1 15-Oct-2013 07:52:24

TestAmerica Buffalo

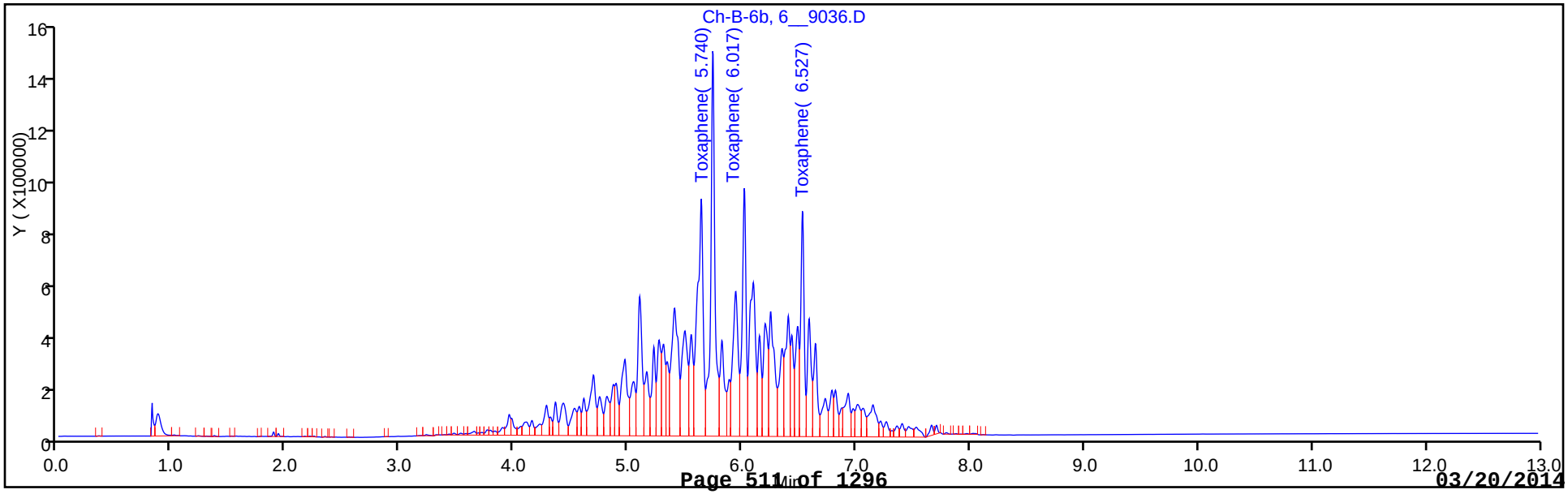
Data File: \\Bufchrom\ChromData\HP6890-06\20131219-28268.b\6__9036.D

Injection Date:	19-Dec-2013 17:25:16	Instrument ID:	HP6890-6	Operator ID:	tchrom
Lims ID:	std	Lab Sample ID:		Worklist Smp#:	21
Client ID:					
Injection Vol:	1.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	0
Method:	8081-6	Limit Group:	GC - 8081B ICAL		

Y Scaling: Method Defined: Set to Absolute Y Value



Y Scaling: Method Defined: Set to Absolute Y Value



TestAmerica Buffalo
Target Compound Quantitation Report

Data File: \\Bufchrom\ChromData\HP6890-06\20131219-28268.b\6__9037.D
Lims ID: std Lab Sample ID:
Client ID:
Sample Type: IC Calib Level: 3
Inject. Date: 19-Dec-2013 17:42:55 ALS Bottle#: 0 Worklist Smp#: 22
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: #: Name:
Misc. Info.: Study: Channel B: I/F Serial#, CN10520010
Operator ID: tchrom Instrument ID: HP6890-6
Sublist: chrom-8081-6*sub7

Method: \\Bufchrom\ChromData\HP6890-06\20131219-28268.b\8081-6.m
Limit Group: GC - 8081B ICAL
Last Update: 20-Dec-2013 11:48:51 Calib Date: 19-Dec-2013 20:02:58
Integrator: Falcon
Quant Method: External Standard Quant By: Initial Calibration
Last ICal File: \\Bufchrom\ChromData\HP6890-06\20131219-28268.b\6__9045.D

Column 1 : Detector: Ch-A-6A58132
Column 2 : Detector: Ch-B-6b58132
Process Host: XAWRK047

First Level Reviewer: WolfL Date: 20-Dec-2013 09:46:28

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	On-Col Amt ng/ul	Flags
27 Toxaphene						M
1	5.133	5.133	0.0	1370352	0.5035	M
1	5.483	5.483	0.0	1084492	0.4912	M
1	5.907	5.907	0.0	1010469	0.4977	M
		Average of Peak Amounts =			0.4975	
2	5.740	5.740	0.0	1824372	0.4976	M
2	6.017	6.017	0.0	1043683	0.4948	M
2	6.527	6.527	0.0	815409	0.4830	M
		Average of Peak Amounts =			0.4918	
					RPD = 1.15	

QC Flag Legend

Review Flags
M - Manually Integrated

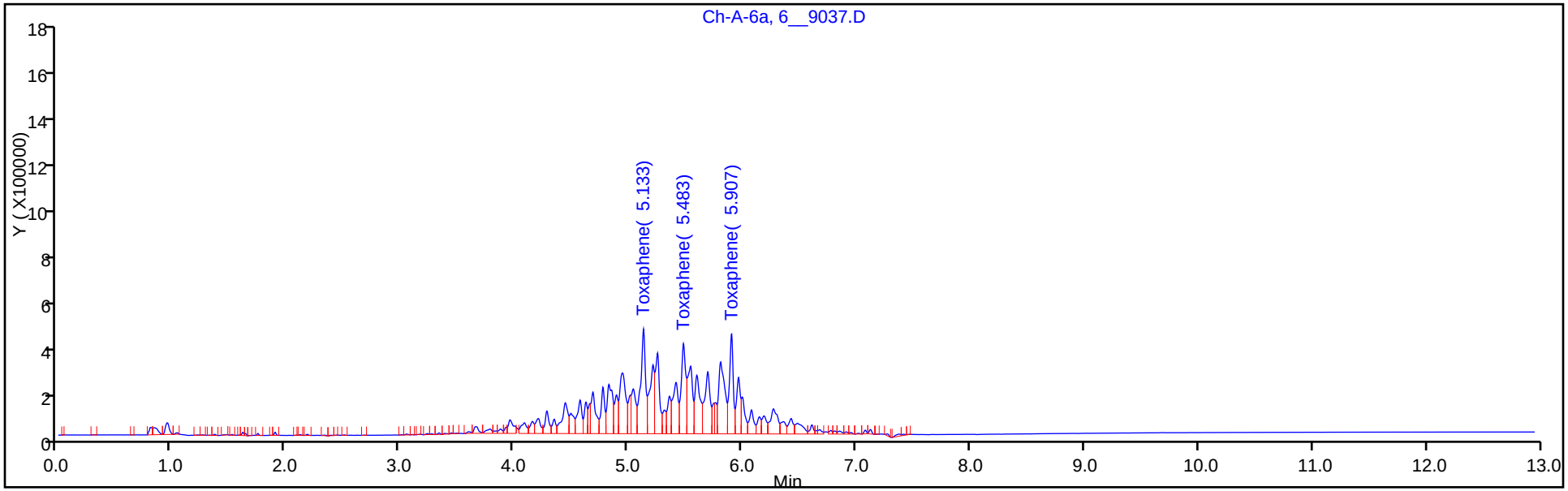
Report Date: 20-Dec-2013 11:48:52 Chrom Revision: 2.1 15-Oct-2013 07:52:24

TestAmerica Buffalo

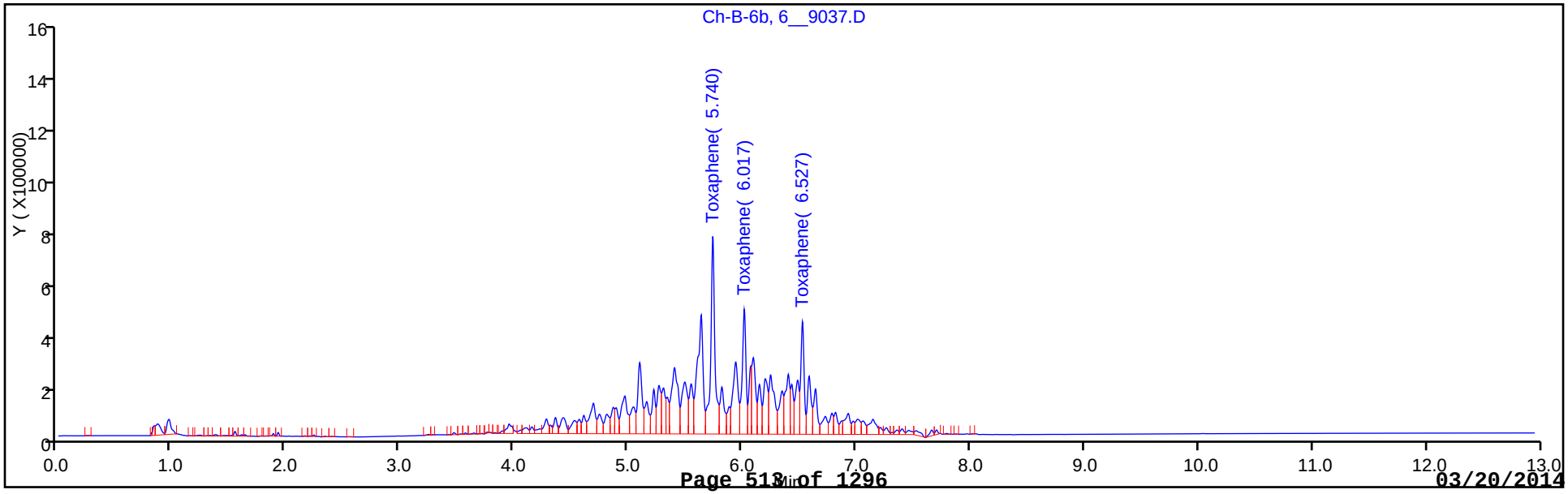
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Injection Date:	19-Dec-2013 17:42:55	Instrument ID:	HP6890-6	Operator ID:	tchrom
Lims ID:	std	Lab Sample ID:		Worklist Smp#:	22
Client ID:					
Injection Vol:	1.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	0
Method:	8081-6	Limit Group:	GC - 8081B ICAL		

Y Scaling: Method Defined: Set to Absolute Y Value



Y Scaling: Method Defined: Set to Absolute Y Value



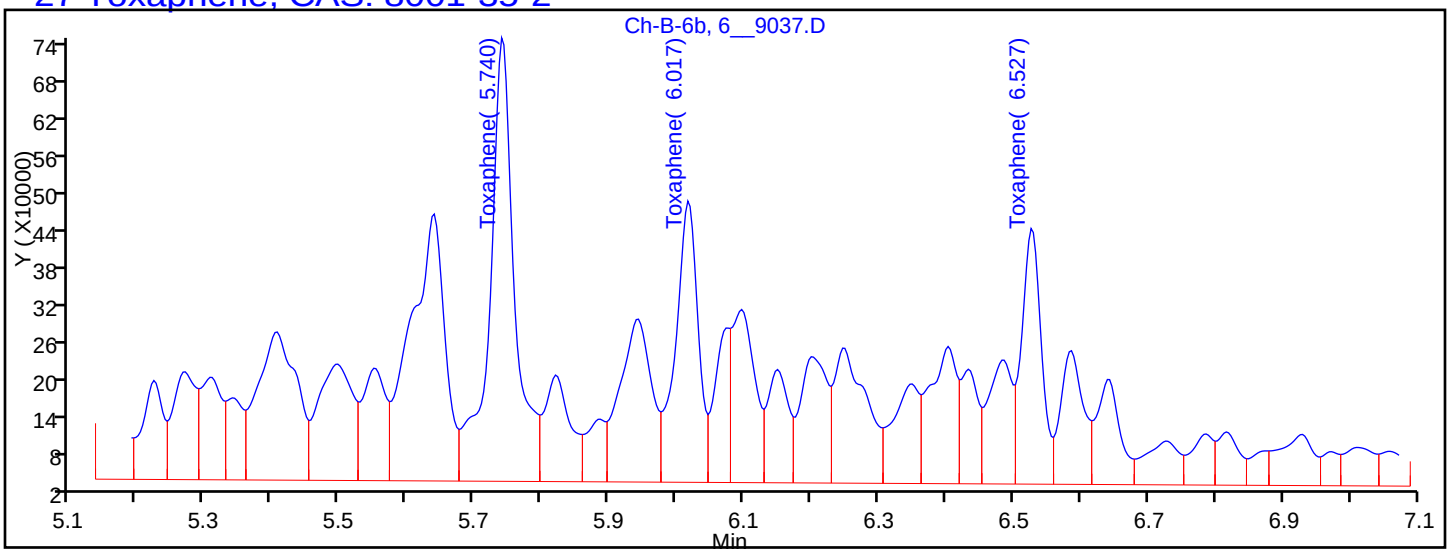
Report Date: 20-Dec-2013 11:48:52 Chrom Revision: 2.1 15-Oct-2013 07:52:24

TestAmerica Buffalo

Data File: \\Bufchrom\ChromData\HP6890-06\20131219-28268.b\6__9037.D

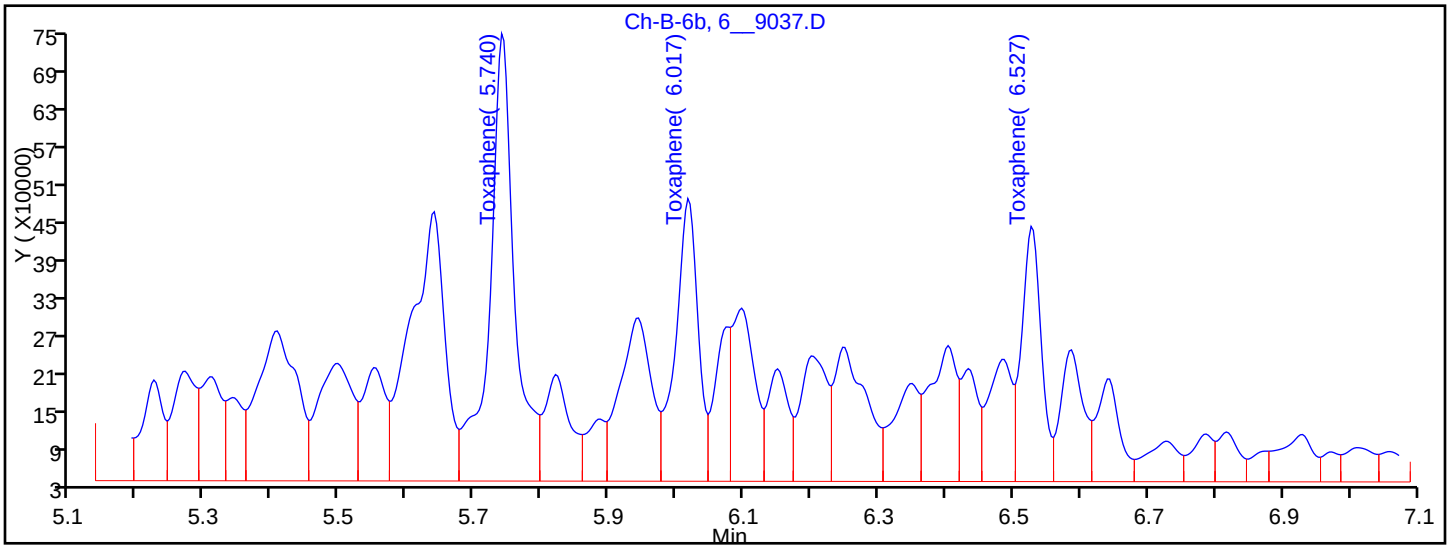
Injection Date:	19-Dec-2013 17:42:55	Instrument ID:	HP6890-6		
Lims ID:	std	Lab Sample ID:			
Client ID:					
Operator ID:	tchrom	ALS Bottle#:	0	Worklist Smp#:	22
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	8081-6	Limit Group:	GC - 8081B ICAL		
Column:		Detector	Ch-B-6b58132		

27 Toxaphene, CAS: 8001-35-2



Processing Integration Results

RT = 5.740	Response = 1833728	M
RT = 6.017	Response = 1054534	M
RT = 6.527	Response = 832450	M



Manual Integration Results

RT = 5.740	Response = 1824372	M
RT = 6.017	Response = 1043683	M
RT = 6.527	Response = 815409	M

Reviewer: WolfL, 20-Dec-2013 11:21:16
Audit Action: Assigned New Baseline
Audit Reason: Incomplete Integration

TestAmerica Buffalo
Target Compound Quantitation Report

Data File: \\Bufchrom\ChromData\HP6890-06\20131219-28268.b\6__9038.D
Lims ID: std Lab Sample ID:
Client ID:
Sample Type: IC Calib Level: 4
Inject. Date: 19-Dec-2013 18:00:22 ALS Bottle#: 0 Worklist Smp#: 23
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: #: Name:
Misc. Info.: Study: Channel B: I/F Serial#, CN10520010
Operator ID: tchrom Instrument ID: HP6890-6
Sublist: chrom-8081-6*sub7

Method: \\Bufchrom\ChromData\HP6890-06\20131219-28268.b\8081-6.m
Limit Group: GC - 8081B ICAL
Last Update: 20-Dec-2013 11:48:54 Calib Date: 19-Dec-2013 20:02:58
Integrator: Falcon
Quant Method: External Standard Quant By: Initial Calibration
Last ICal File: \\Bufchrom\ChromData\HP6890-06\20131219-28268.b\6__9045.D

Column 1 : Detector: Ch-A-6A58132
Column 2 : Detector: Ch-B-6b58132
Process Host: XAWRK047

First Level Reviewer: WolfL Date: 20-Dec-2013 10:35:00

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	On-Col Amt ng/ul	Flags
27 Toxaphene						M
1	5.133	5.133	0.0	321132	0.1106	M
1	5.483	5.483	0.0	254308	0.1108	M
1	5.907	5.907	0.0	235566	0.1100	M
		Average of Peak Amounts =			0.1105	
2	5.740	5.740	0.0	447820	0.1130	
2	6.017	6.017	0.0	253374	0.1130	
2	6.527	6.527	0.0	203196	0.1139	
		Average of Peak Amounts =			0.1133	
					RPD = 2.49	

QC Flag Legend

Review Flags
M - Manually Integrated

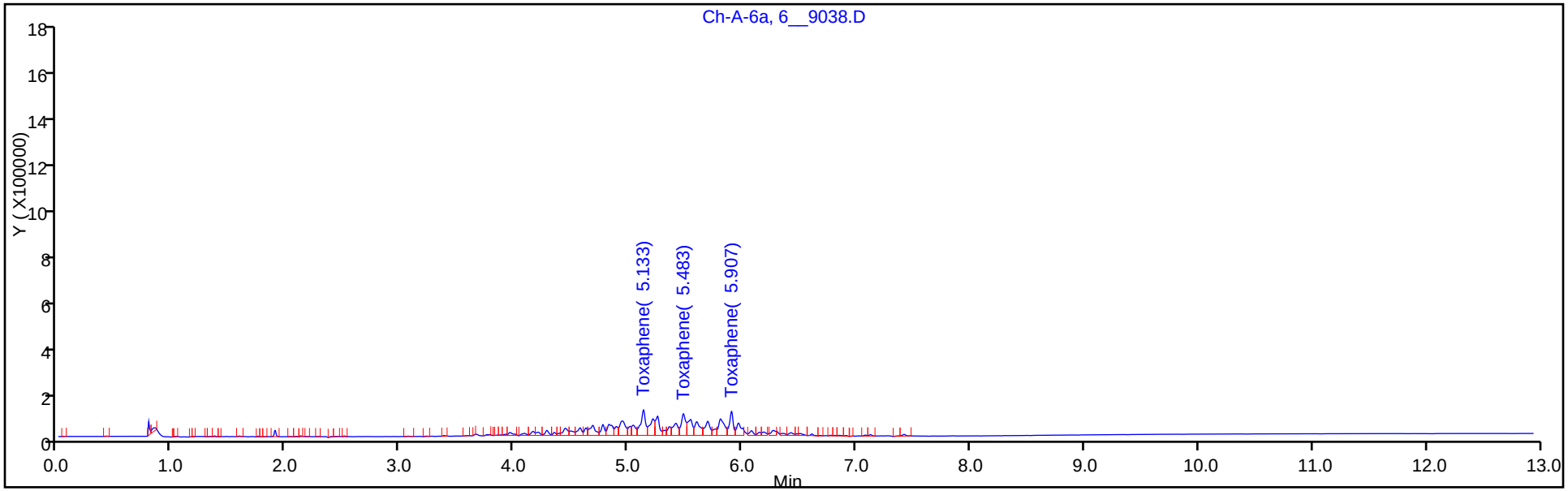
Report Date: 20-Dec-2013 11:48:55 Chrom Revision: 2.1 15-Oct-2013 07:52:24

TestAmerica Buffalo

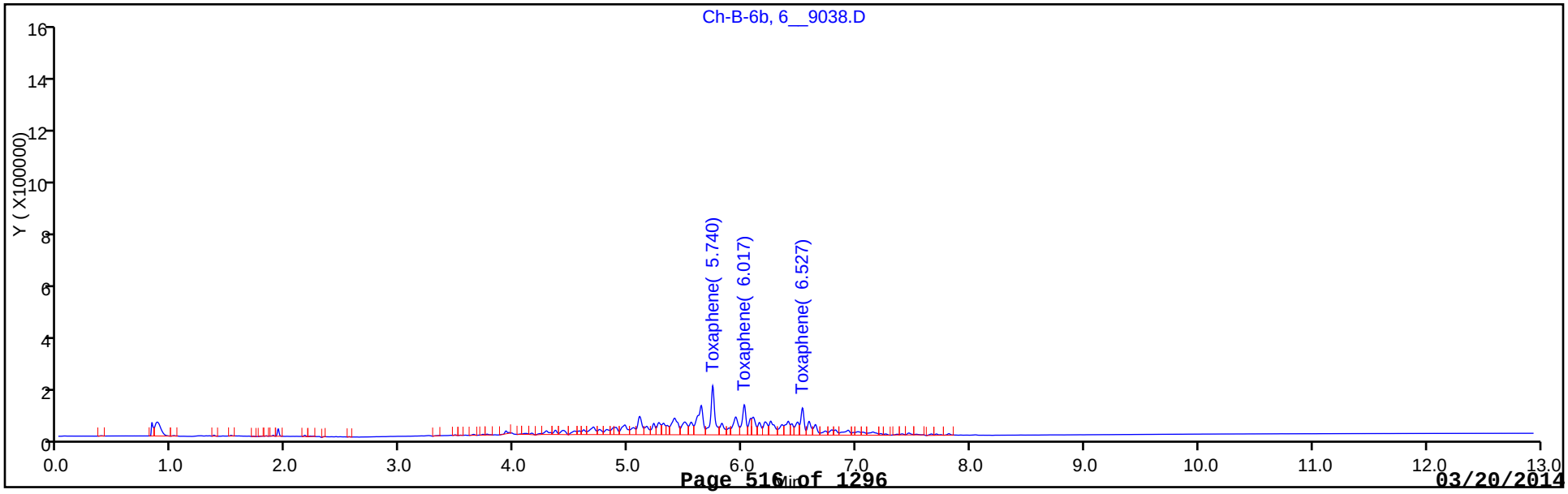
Data File: \\Bufchrom\ChromData\HP6890-06\20131219-28268.b\6__9038.D

Injection Date:	19-Dec-2013 18:00:22	Instrument ID:	HP6890-6	Operator ID:	tchrom
Lims ID:	std	Lab Sample ID:		Worklist Smp#:	23
Client ID:					
Injection Vol:	1.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	0
Method:	8081-6	Limit Group:	GC - 8081B ICAL		

Y Scaling: Method Defined: Set to Absolute Y Value



Y Scaling: Method Defined: Set to Absolute Y Value



TestAmerica Buffalo
Target Compound Quantitation Report

Data File: \\Bufchrom\ChromData\HP6890-06\20131219-28268.b\6__9039.D
Lims ID: std Lab Sample ID:
Client ID:
Sample Type: IC Calib Level: 5
Inject. Date: 19-Dec-2013 18:17:53 ALS Bottle#: 0 Worklist Smp#: 24
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: #: Name:
Misc. Info.: Study: Channel B: I/F Serial#, CN10520010
Operator ID: tchrom Instrument ID: HP6890-6
Sublist: chrom-8081-6*sub7

Method: \\Bufchrom\ChromData\HP6890-06\20131219-28268.b\8081-6.m
Limit Group: GC - 8081B ICAL
Last Update: 20-Dec-2013 11:48:57 Calib Date: 19-Dec-2013 20:02:58
Integrator: Falcon
Quant Method: External Standard Quant By: Initial Calibration
Last ICal File: \\Bufchrom\ChromData\HP6890-06\20131219-28268.b\6__9045.D

Column 1 : Detector: Ch-A-6A58132
Column 2 : Detector: Ch-B-6b58132
Process Host: XAWRK047

First Level Reviewer: WolfL Date: 20-Dec-2013 10:38:37

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	On-Col Amt ng/ul	Flags
27 Toxaphene						M
1	5.133	5.133	0.0	144119	0.0444	M
1	5.487	5.483	0.004	111738	0.0455	M
1	5.907	5.907	0.0	105833	0.0451	M
		Average of Peak Amounts =			0.0450	
2	5.743	5.740	0.003	200428	0.0439	M
2	6.020	6.017	0.003	110756	0.0441	M
2	6.530	6.527	0.003	87506	0.0441	M
		Average of Peak Amounts =			0.0440	
					RPD = 2.19	

QC Flag Legend

Review Flags
M - Manually Integrated

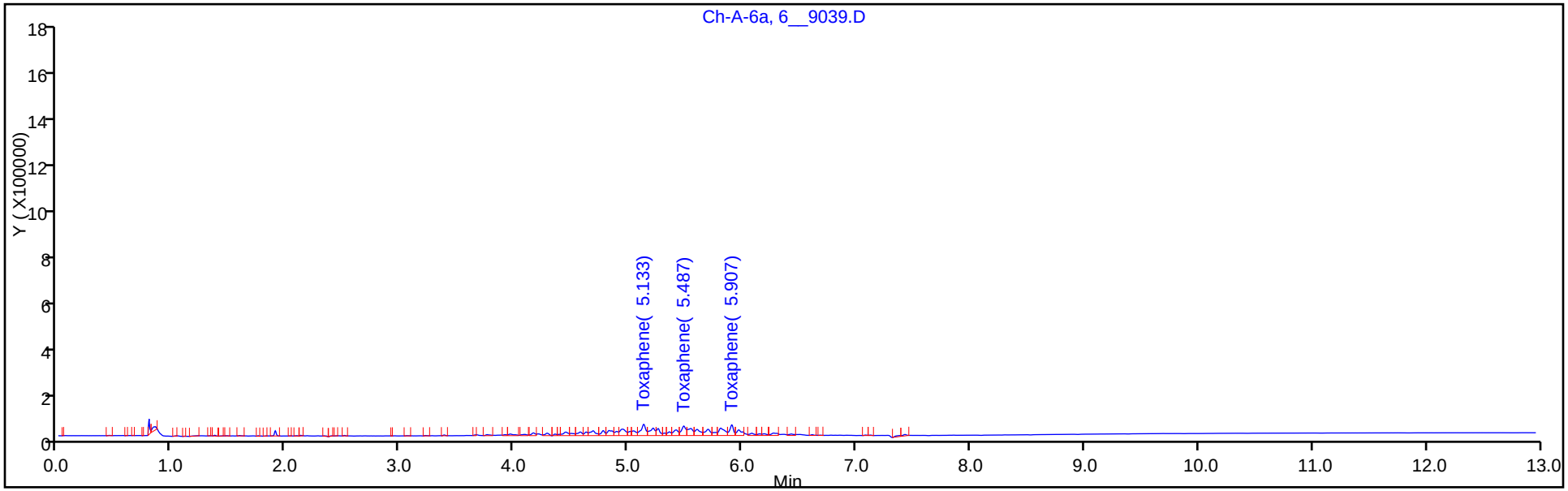
Report Date: 20-Dec-2013 11:48:57 Chrom Revision: 2.1 15-Oct-2013 07:52:24

TestAmerica Buffalo

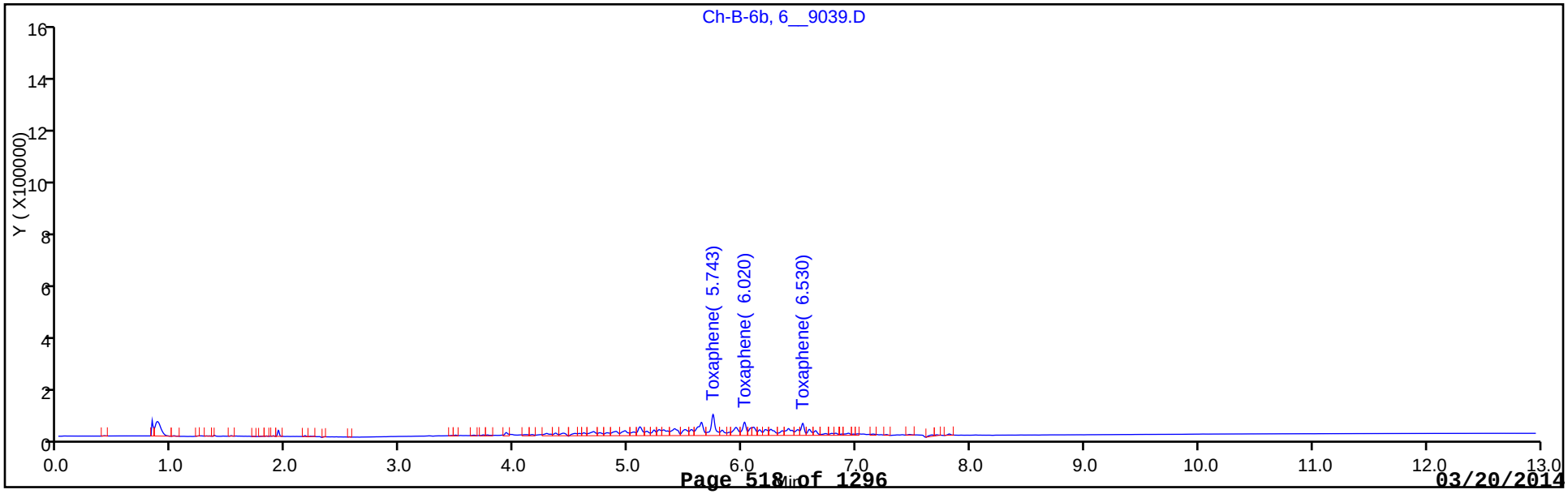
Data File: \\Bufchrom\ChromData\HP6890-06\20131219-28268.b\6__9039.D

Injection Date:	19-Dec-2013 18:17:53	Instrument ID:	HP6890-6	Operator ID:	tchrom
Lims ID:	std	Lab Sample ID:		Worklist Smp#:	24
Client ID:					
Injection Vol:	1.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	0
Method:	8081-6	Limit Group:	GC - 8081B ICAL		

Y Scaling: Method Defined: Set to Absolute Y Value



Y Scaling: Method Defined: Set to Absolute Y Value



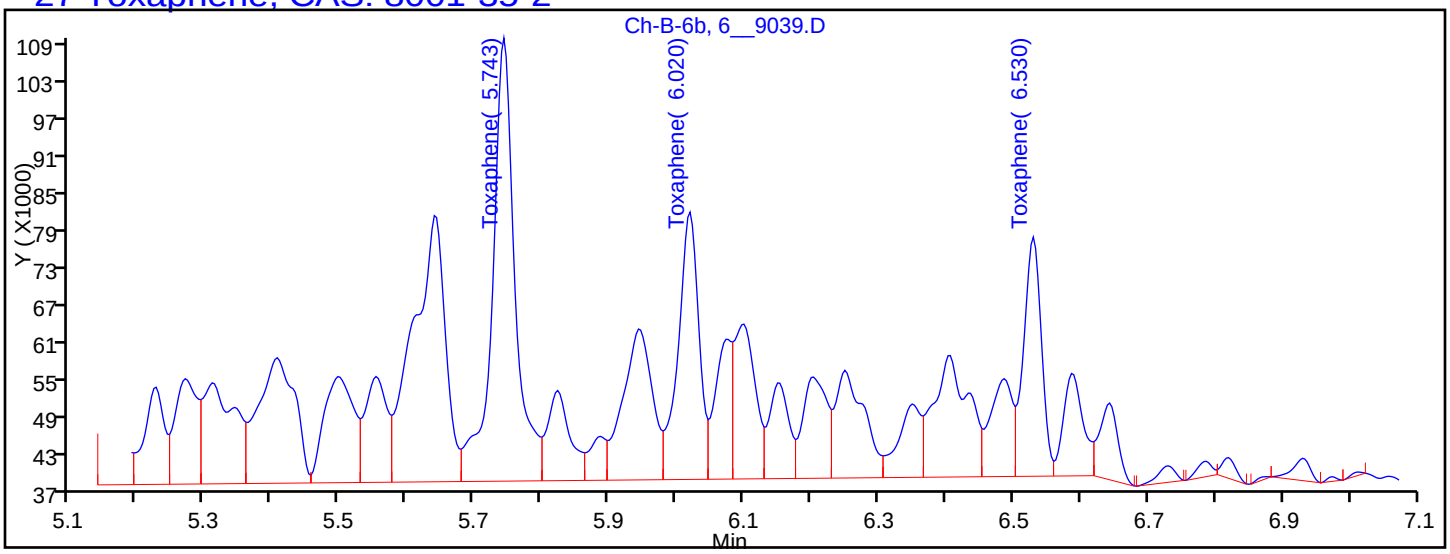
Report Date: 20-Dec-2013 11:48:57 Chrom Revision: 2.1 15-Oct-2013 07:52:24

TestAmerica Buffalo

Data File: \\Bufchrom\ChromData\HP6890-06\20131219-28268.b\6__9039.D

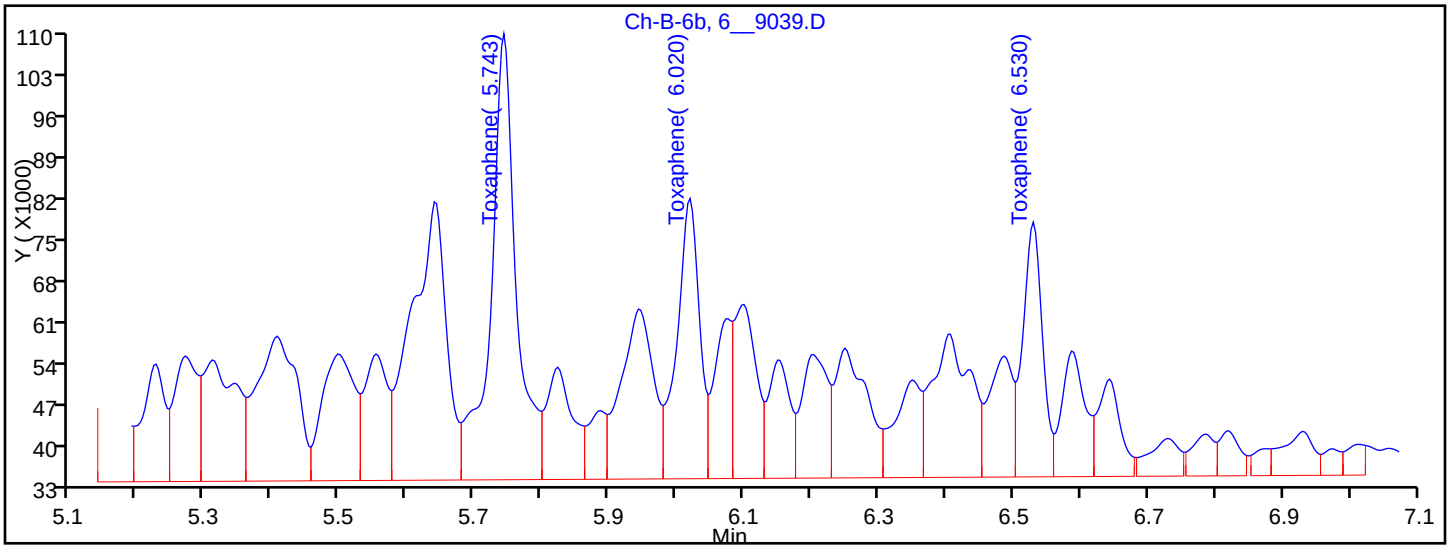
Injection Date:	19-Dec-2013 18:17:53	Instrument ID:	HP6890-6		
Lims ID:	std	Lab Sample ID:			
Client ID:					
Operator ID:	tchrom	ALS Bottle#:	0	Worklist Smp#:	24
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	8081-6	Limit Group:	GC - 8081B ICAL		
Column:		Detector	Ch-B-6b58132		

27 Toxaphene, CAS: 8001-35-2



Processing Integration Results

RT = 5.743	Response = 167647	M
RT = 6.020	Response = 92132	M
RT = 6.530	Response = 71009	M



Manual Integration Results

RT = 5.743	Response = 200428	M
RT = 6.020	Response = 110756	M
RT = 6.530	Response = 87506	M

Reviewer: WolfL, 20-Dec-2013 11:17:37
Audit Action: Assigned New Baseline
Audit Reason: Incomplete Integration

FORM VI
GC SEMI VOA INITIAL CALIBRATION DATA
EXTERNAL STANDARD RETENTION TIME SUMMARY

Lab Name: TestAmerica Buffalo Job No.: 480-55783-1 Analy Batch No.: 168616

SDG No.:

Instrument ID: HP6890-6 GC Column: RTX-CLPII ID: 0.53(mm) Heated Purge: (Y/N) N

Calibration Start Date: 03/05/2014 10:04 Calibration End Date: 03/05/2014 11:21 Calibration ID: 17634

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	STD 480-168616/8	6__13087.D
Level 2	STD 480-168616/7	6__13086.D
Level 3	STD 480-168616/6	6__13085.D
Level 4	STD 480-168616/5	6__13084.D
Level 5	STD 480-168616/9	6__13088.D

ANALYTE	LVL 1	LVL 2	LVL 3	LVL 4	LVL 5						RT WINDOW	AVG RT
alpha-BHC	2.820	2.823	2.823	2.820	2.830						2.773 - 2.873	2.823
gamma-BHC (Lindane)	3.103	3.107	3.103	3.103	3.113						3.053 - 3.153	3.106
beta-BHC	3.170	3.173	3.170	3.170	3.180						3.120 - 3.220	3.173
delta-BHC	3.420	3.423	3.423	3.420	3.430						3.373 - 3.473	3.423
Heptachlor	3.493	3.497	3.497	3.493	3.503						3.447 - 3.547	3.497
Aldrin	3.790	3.793	3.793	3.790	3.803						3.743 - 3.843	3.794
Heptachlor epoxide	4.350	4.353	4.353	4.350	4.363						4.303 - 4.403	4.354
gamma-Chlordane	4.550	4.553	4.553	4.550	4.563						4.503 - 4.603	4.554
alpha-Chlordane	4.700	4.703	4.703	4.700	4.713						4.653 - 4.753	4.704
Endosulfan I	4.750	4.753	4.753	4.750	4.763						4.703 - 4.803	4.754
4,4'-DDE	4.890	4.893	4.893	4.890	4.900						4.843 - 4.943	4.893
Dieldrin	5.037	5.037	5.037	5.033	5.047						4.987 - 5.087	5.038
Endrin	5.343	5.347	5.347	5.343	5.357						5.297 - 5.397	5.347
4,4'-DDD	5.493	5.493	5.493	5.490	5.503						5.443 - 5.543	5.494
Endosulfan II	5.563	5.567	5.567	5.563	5.577						5.517 - 5.617	5.567
4,4'-DDT	5.817	5.820	5.820	5.817	5.827						5.770 - 5.870	5.820
Endrin aldehyde	5.910	5.913	5.913	5.910	5.923						5.863 - 5.963	5.914
Endosulfan sulfate	6.200	6.203	6.203	6.200	6.210						6.153 - 6.253	6.203
Methoxychlor	6.523	6.527	6.527	6.523	6.537						6.477 - 6.577	6.527
Endrin ketone	6.727	6.727	6.730	6.727	6.737						6.680 - 6.780	6.730
Tetrachloro-m-xylene	2.383	2.387	2.387	2.383	2.393						2.337 - 2.437	2.387
DCB Decachlorobiphenyl	8.000	8.000	8.000	7.997	8.010						7.930 - 8.070	8.001

FORM VI
GC SEMI VOA INITIAL CALIBRATION DATA
EXTERNAL STANDARD CURVE EVALUATION

Lab Name: TestAmerica Buffalo Job No.: 480-55783-1 Analy Batch No.: 168616

SDG No.:

Instrument ID: HP6890-6 GC Column: RTX-CLPII ID: 0.53(mm) Heated Purge: (Y/N) N

Calibration Start Date: 03/05/2014 10:04 Calibration End Date: 03/05/2014 11:21 Calibration ID: 17634

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	STD 480-168616/8	6__13087.D
Level 2	STD 480-168616/7	6__13086.D
Level 3	STD 480-168616/6	6__13085.D
Level 4	STD 480-168616/5	6__13084.D
Level 5	STD 480-168616/9	6__13088.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 3	LVL 4		B	M1	M2								
alpha-BHC	54709400 60971460	52427400	61629260	63451520	Lin1	-55474.737	62373106.9							0.9990		0.9900
gamma-BHC (Lindane)	71073000 80456353	71765600	82007140	82768480	Lin1	-66023.003	82059663.5							1.0000		0.9900
beta-BHC	31771200 33011960	31207300	33774100	30741950	Lin1	-4547.3701	32407491.6							0.9980		0.9900
delta-BHC	84972000 97599873	81996500	97524100	98946350	Lin1	-99333.753	98896237.3							1.0000		0.9900
Heptachlor	86104600 80258860	84935300	89583640	83895610	Lin1	35383.5059	82573112.6							0.9980		0.9900
Aldrin	86245200 88328287	85591500	95317080	87438630	Lin1	-8766.0154	89174384.4							0.9990		0.9900
Heptachlor epoxide	82189400 74962933	78553200	82328320	77983980	Lin1	36606.4466	76738732.6							0.9990		0.9900
gamma-Chlordane	80619000 91400873	80453300	92600520	92098230	Lin1	-75001.655	92484496.1							1.0000		0.9900
alpha-Chlordane	75872200 84328260	74726800	85555140	84892960	Lin1	-61953.937	85246637.1							1.0000		0.9900
Endosulfan I	69497600 67049280	69012800	73481620	69500850	Lin1	14742.8408	68715745.4							0.9990		0.9900
4,4'-DDE	69729000 79951707	70337300	82236720	80520100	Lin1	-67477.231	81098432.2							1.0000		0.9900
Dieldrin	73330000 75977247	73344000	81317400	78260220	Lin1	-19009.895	77725772.9							0.9990		0.9900
Endrin	62695000 66178660	63984000	71075000	69137850	Lin1	-22468.036	68126949.8							0.9990		0.9900
4,4'-DDD	56204400 62527940	54114900	63581120	63049030	Lin1	-50477.818	63294317.7							1.0000		0.9900
Endosulfan II	57650000 59505967	54816900	61485380	54974330	Lin1	-10040.942	58362605.4							0.9980		0.9900

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

FORM VI
GC SEMI VOA INITIAL CALIBRATION DATA
EXTERNAL STANDARD CURVE EVALUATION

Lab Name: TestAmerica Buffalo Job No.: 480-55783-1 Analy Batch No.: 168616

SDG No.:

Instrument ID: HP6890-6 GC Column: RTX-CLPII ID: 0.53(mm) Heated Purge: (Y/N) N

Calibration Start Date: 03/05/2014 10:04 Calibration End Date: 03/05/2014 11:21 Calibration ID: 17634

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 3	LVL 4		B	M1	M2								
4,4'-DDT	38311600 61490460	42486300	57454540	59761840	Lin1	-144361.65	61621299.2							0.9990		0.9900
Endrin aldehyde	42943400 44735113	42345600	46301040	44689670	Lin1	-12863.981	45069139.4							1.0000		0.9900
Endosulfan sulfate	46281600 51743520	46153200	51965480	50655630	Lin1	-35159.834	51727314.8							1.0000		0.9900
Methoxychlor	16481000 23549520	17671800	22565860	23140830	Lin1	-44365.168	23669056.6							1.0000		0.9900
Endrin ketone	42957000 54170800	45186000	51876220	50638660	Lin1	-63277.925	53226449.6							0.9990		0.9900
Tetrachloro-m-xylene	46098600 48378607	44182800	47868200	46781020	Lin1	-18639.279	47916890.2							1.0000		0.9900
DCB Decachlorobiphenyl	45361600 47979460	43671600	47237920	47116790	Ave		46273474.0				3.8		20.0			

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

FORM VI
GC SEMI VOA INITIAL CALIBRATION DATA
EXTERNAL STANDARD RESPONSE AND CONCENTRATION

Lab Name: TestAmerica Buffalo Job No.: 480-55783-1 Analy Batch No.: 168616

SDG No.:

Instrument ID: HP6890-6 GC Column: RTX-CLPII ID: 0.53(mm) Heated Purge: (Y/N) N

Calibration Start Date: 03/05/2014 10:04 Calibration End Date: 03/05/2014 11:21 Calibration ID: 17634

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	STD 480-168616/8	6__13087.D
Level 2	STD 480-168616/7	6__13086.D
Level 3	STD 480-168616/6	6__13085.D
Level 4	STD 480-168616/5	6__13084.D
Level 5	STD 480-168616/9	6__13088.D

ANALYTE	CURVE TYPE	RESPONSE					CONCENTRATION (NG/UL)				
		LVL 1	LVL 2	LVL 3	LVL 4	LVL 5	LVL 1	LVL 2	LVL 3	LVL 4	LVL 5
alpha-BHC	Lin1	273547	524274	3081463	6345152	9145719	0.00500	0.0100	0.0500	0.100	0.150
gamma-BHC (Lindane)	Lin1	355365	717656	4100357	8276848	12068453	0.00500	0.0100	0.0500	0.100	0.150
beta-BHC	Lin1	158856	312073	1688705	3074195	4951794	0.00500	0.0100	0.0500	0.100	0.150
delta-BHC	Lin1	424860	819965	4876205	9894635	14639981	0.00500	0.0100	0.0500	0.100	0.150
Heptachlor	Lin1	430523	849353	4479182	8389561	12038829	0.00500	0.0100	0.0500	0.100	0.150
Aldrin	Lin1	431226	855915	4765854	8743863	13249243	0.00500	0.0100	0.0500	0.100	0.150
Heptachlor epoxide	Lin1	410947	785532	4116416	7798398	11244440	0.00500	0.0100	0.0500	0.100	0.150
gamma-Chlordane	Lin1	403095	804533	4630026	9209823	13710131	0.00500	0.0100	0.0500	0.100	0.150
alpha-Chlordane	Lin1	379361	747268	4277757	8489296	12649239	0.00500	0.0100	0.0500	0.100	0.150
Endosulfan I	Lin1	347488	690128	3674081	6950085	10057392	0.00500	0.0100	0.0500	0.100	0.150
4,4'-DDE	Lin1	348645	703373	4111836	8052010	11992756	0.00500	0.0100	0.0500	0.100	0.150
Dieldrin	Lin1	366650	733440	4065870	7826022	11396587	0.00500	0.0100	0.0500	0.100	0.150
Endrin	Lin1	313475	639840	3553750	6913785	9926799	0.00500	0.0100	0.0500	0.100	0.150
4,4'-DDD	Lin1	281022	541149	3179056	6304903	9379191	0.00500	0.0100	0.0500	0.100	0.150
Endosulfan II	Lin1	288250	548169	3074269	5497433	8925895	0.00500	0.0100	0.0500	0.100	0.150
4,4'-DDT	Lin1	191558	424863	2872727	5976184	9223569	0.00500	0.0100	0.0500	0.100	0.150
Endrin aldehyde	Lin1	214717	423456	2315052	4468967	6710267	0.00500	0.0100	0.0500	0.100	0.150
Endosulfan sulfate	Lin1	231408	461532	2598274	5065563	7761528	0.00500	0.0100	0.0500	0.100	0.150
Methoxychlor	Lin1	82405	176718	1128293	2314083	3532428	0.00500	0.0100	0.0500	0.100	0.150
Endrin ketone	Lin1	214785	451860	2593811	5063866	8125620	0.00500	0.0100	0.0500	0.100	0.150
Tetrachloro-m-xylene	Lin1	230493	441828	2393410	4678102	7256791	0.00500	0.0100	0.0500	0.100	0.150
DCB Decachlorobiphenyl	Ave	226808	436716	2361896	4711679	7196919	0.00500	0.0100	0.0500	0.100	0.150

Curve Type Legend:

Ave = Average
Lin1 = Linear 1/conc

TestAmerica Buffalo
Target Compound Quantitation Report

Data File: \\Bufchrom\ChromData\HP6890-06\20140305-29947.b\6__13084.D
Lims ID: std Lab Sample ID:
Client ID:
Sample Type: IC Calib Level: 2
Inject. Date: 05-Mar-2014 10:04:55 ALS Bottle#: 0 Worklist Smp#: 5
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: #: Name:
Misc. Info.: Study: Channel B: I/F Serial#, CN10520010
Operator ID: buftchrom Instrument ID: HP6890-6
Sublist: chrom-8081-6*sub6

Method: \\Bufchrom\ChromData\HP6890-06\20140305-29947.b\8081-6.m
Limit Group: GC - 8081B ICAL
Last Update: 05-Mar-2014 12:46:18 Calib Date: 05-Mar-2014 11:21:20
Integrator: Falcon
Quant Method: External Standard Quant By: Initial Calibration
Last ICal File: \\Bufchrom\ChromData\HP6890-06\20140305-29947.b\6__13088.D

Column 1 : Det: Ch-A-6A58132
Column 2 : Det: Ch-B-6b58132
Process Host: XAWRK053

First Level Reviewer: WolfL Date: 05-Mar-2014 10:29:03

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	On-Col Amt ng/ul	Flags
$ 4 Tetrachloro-m-xylene						
1	2.167	2.173	-0.006	6951365	0.0984	
2	2.383	2.387	-0.004	4678102	0.0980	
					RPD = 0.41	
6 alpha-BHC						
1	2.547	2.550	-0.003	12365917	0.1003	
2	2.820	2.823	-0.003	6345152	0.1026	
					RPD = 2.29	
7 gamma-BHC (Lindane)						
1	2.777	2.783	-0.006	10884436	0.1003	
2	3.103	3.103	0.0	8276848	0.1017	
					RPD = 1.32	
8 beta-BHC						
1	2.843	2.847	-0.004	3992598	0.0977	
2	3.170	3.170	0.0	3074195	0.0950	
					RPD = 2.83	
9 delta-BHC						
1	2.980	2.987	-0.007	11091855	0.1002	
2	3.420	3.423	-0.003	9894635	0.1011	
					RPD = 0.89	
11 Heptachlor						
1	3.147	3.153	-0.006	9129946	0.1011	
2	3.493	3.497	-0.004	8389561	0.1012	
					RPD = 0.03	
12 Aldrin						
1	3.397	3.403	-0.006	8998082	0.1005	
2	3.790	3.793	-0.003	8743863	0.0982	
					RPD = 2.37	

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	On-Col Amt ng/ul	Flags
14 Heptachlor epoxide						
1	3.950	3.957	-0.007	7467357	0.1005	
2	4.350	4.353	-0.003	7798398	0.1011	
					RPD = 0.64	
16 gamma-Chlordane						
1	4.070	4.077	-0.007	8824501	0.1012	
2	4.550	4.553	-0.003	9209823	0.1004	
					RPD = 0.79	
17 alpha-Chlordane						
1	4.200	4.207	-0.007	8285780	0.1002	
2	4.700	4.703	-0.003	8489296	0.1003	
					RPD = 0.14	
18 4,4'-DDE						
1	4.293	4.300	-0.007	8221603	0.0995	
2	4.890	4.893	-0.003	8052010	0.1001	
					RPD = 0.59	
19 Endosulfan I						
1	4.333	4.340	-0.007	6905915	0.1019	
2	4.750	4.753	-0.003	6950085	0.1009	
					RPD = 0.91	
21 Dieldrin						
1	4.573	4.580	-0.007	7474300	0.0971	
2	5.033	5.037	-0.004	7826022	0.1009	
					RPD = 3.87	
23 Endrin						
1	4.803	4.810	-0.007	7251107	0.1021	
2	5.343	5.347	-0.004	6913785	0.1018	
					RPD = 0.28	
24 4,4'-DDD						
1	4.897	4.903	-0.006	6594264	0.1001	
2	5.490	5.493	-0.003	6304903	0.1004	
					RPD = 0.28	
26 Endosulfan II						
1	5.033	5.040	-0.007	6381784	0.1004	
2	5.563	5.567	-0.004	5497433	0.0944	
					RPD = 6.21	
28 4,4'-DDT						
1	5.180	5.187	-0.007	7332416	0.1007	
2	5.817	5.820	-0.003	5976184	0.0993	
					RPD = 1.36	
29 Endrin aldehyde						
1	5.460	5.467	-0.007	4972121	0.0997	
2	5.910	5.913	-0.003	4468967	0.0994	
					RPD = 0.24	
30 Methoxychlor						
1	5.697	5.703	-0.006	2945091	0.1007	
2	6.523	6.527	-0.004	2314083	0.0996	
					RPD = 1.09	

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	On-Col Amt ng/ul	Flags
32 Endosulfan sulfate						M
1	5.900	5.907	-0.007	5069417	0.0927	M
2	6.200	6.203	-0.003	5065563	0.0986	
					RPD = 6.17	
33 Endrin ketone						
1	6.177	6.183	-0.006	6450666	0.0997	
2	6.727	6.730	-0.003	5063866	0.0963	
					RPD = 3.46	
$ 34 DCB Decachlorobiphenyl						
1	7.207	7.213	-0.006	4681393	0.0993	
2	7.997	8.000	-0.003	4711679	0.1018	
					RPD = 2.46	
S 1 BHC, Total						
1					0.3985	
2					0.4003	
					RPD = 0.46	

QC Flag Legend

Review Flags
M - Manually Integrated

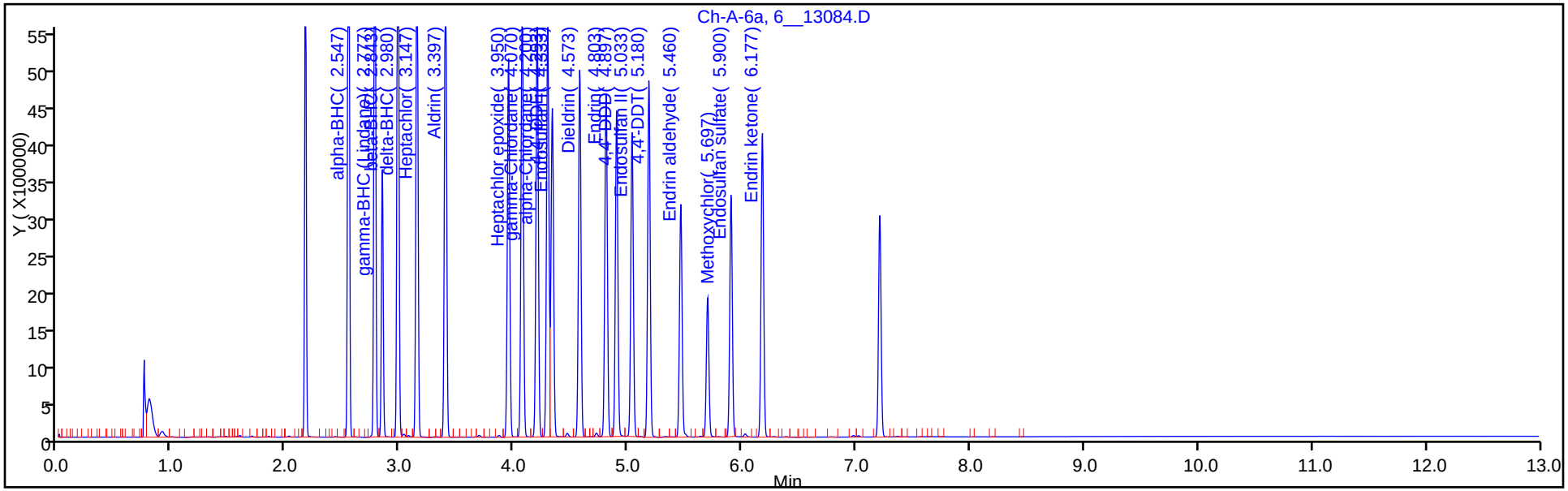
Report Date: 05-Mar-2014 12:46:19 Chrom Revision: 2.1 17-Feb-2014 09:05:58

TestAmerica Buffalo

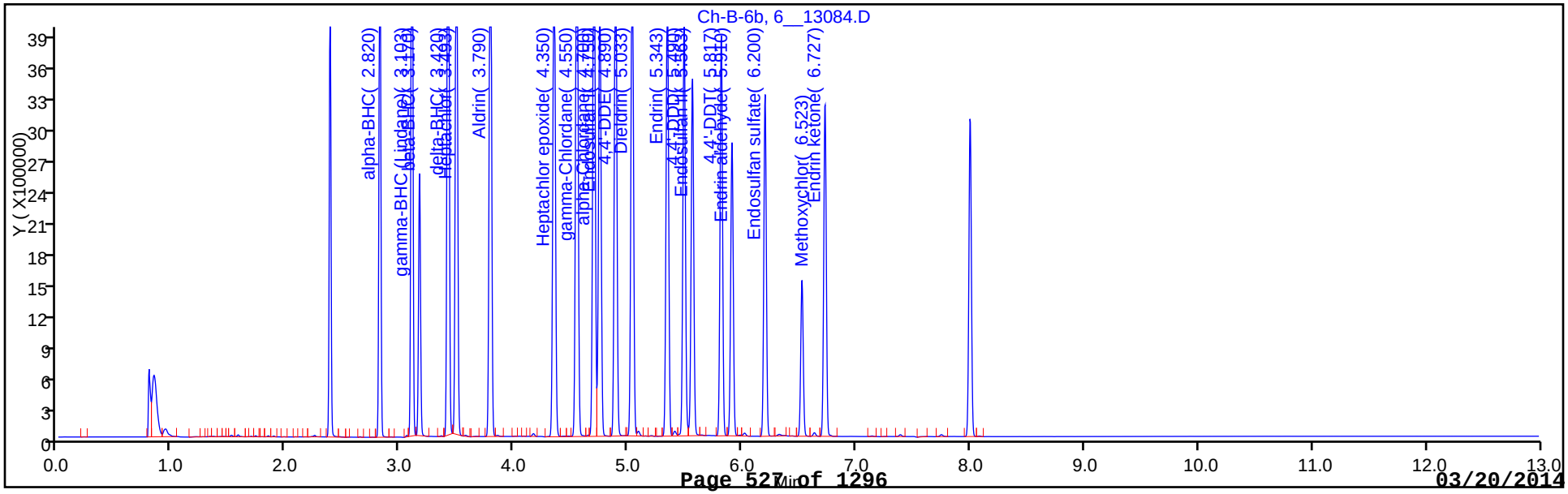
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Injection Date:	05-Mar-2014 10:04:55	Instrument ID:	HP6890-6	Operator ID:	buftchrom
Lims ID:	std	Lab Sample ID:		Worklist Smp#:	5
Client ID:					
Injection Vol:	1.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	0
Method:	8081-6	Limit Group:	GC - 8081B ICAL		

Y Scaling: Method Defined: Set to Absolute Y Value



Y Scaling: Method Defined: Set to Absolute Y Value



TestAmerica Buffalo
Target Compound Quantitation Report

Data File: \\Bufchrom\ChromData\HP6890-06\20140305-29947.b\6__13085.D
Lims ID: std Lab Sample ID:
Client ID:
Sample Type: IC Calib Level: 3
Inject. Date: 05-Mar-2014 10:22:19 ALS Bottle#: 0 Worklist Smp#: 6
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: #: Name:
Misc. Info.: Study: Channel B: I/F Serial#, CN10520010
Operator ID: buftchrom Instrument ID: HP6890-6
Sublist: chrom-8081-6*sub6

Method: \\Bufchrom\ChromData\HP6890-06\20140305-29947.b\8081-6.m
Limit Group: GC - 8081B ICAL
Last Update: 05-Mar-2014 12:46:21 Calib Date: 05-Mar-2014 11:21:20
Integrator: Falcon
Quant Method: External Standard Quant By: Initial Calibration
Last ICal File: \\Bufchrom\ChromData\HP6890-06\20140305-29947.b\6__13088.D

Column 1 : Det: Ch-A-6A58132
Column 2 : Det: Ch-B-6b58132
Process Host: XAWRK053

First Level Reviewer: WolfL Date: 05-Mar-2014 10:40:32

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	On-Col Amt ng/ul	Flags
$ 4 Tetrachloro-m-xylene						
1	2.173	2.173	0.0	3618097	0.0516	
2	2.387	2.387	0.0	2393410	0.0503	
					RPD = 2.50	
6 alpha-BHC						
1	2.550	2.550	0.0	6116796	0.0503	
2	2.823	2.823	0.0	3081463	0.0503	
					RPD = 0.02	
7 gamma-BHC (Lindane)						
1	2.783	2.783	0.0	5384845	0.0503	
2	3.103	3.103	0.0	4100357	0.0508	
					RPD = 0.97	
8 beta-BHC						
1	2.847	2.847	0.0	2055591	0.0507	
2	3.170	3.170	0.0	1688705	0.0522	
					RPD = 3.03	
9 delta-BHC						
1	2.987	2.987	0.0	5484488	0.0502	
2	3.423	3.423	0.0	4876205	0.0503	
					RPD = 0.20	
11 Heptachlor						
1	3.153	3.153	0.0	4781160	0.0530	
2	3.497	3.497	0.0	4479182	0.0538	
					RPD = 1.49	
12 Aldrin						M
1	3.403	3.403	0.0	4661731	0.0524	M
2	3.793	3.793	0.0	4765854	0.0535	
					RPD = 2.22	

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	On-Col Amt ng/ul	Flags
14 Heptachlor epoxide						
1	3.957	3.957	0.0	3928208	0.0528	
2	4.353	4.353	0.0	4116416	0.0532	
					RPD = 0.61	
16 gamma-Chlordane						
1	4.077	4.077	0.0	4328683	0.0501	
2	4.553	4.553	0.0	4630026	0.0509	
					RPD = 1.50	
17 alpha-Chlordane						
1	4.207	4.207	0.0	4146510	0.0506	
2	4.703	4.703	0.0	4277757	0.0509	
					RPD = 0.64	
18 4,4'-DDE						
1	4.300	4.300	0.0	4153010	0.0508	
2	4.893	4.893	0.0	4111836	0.0515	
					RPD = 1.43	
19 Endosulfan I						
1	4.340	4.340	0.0	3647477	0.0537	
2	4.753	4.753	0.0	3674081	0.0533	
					RPD = 0.81	
21 Dieldrin						
1	4.580	4.580	0.0	4116237	0.0536	
2	5.037	5.037	0.0	4065870	0.0526	
					RPD = 1.89	
23 Endrin						
1	4.810	4.810	0.0	3800324	0.0535	
2	5.347	5.347	0.0	3553750	0.0525	
					RPD = 1.98	
24 4,4'-DDD						
1	4.903	4.903	0.0	3372125	0.0517	
2	5.493	5.493	0.0	3179056	0.0510	
					RPD = 1.23	
26 Endosulfan II						
1	5.040	5.040	0.0	3324370	0.0524	
2	5.567	5.567	0.0	3074269	0.0528	
					RPD = 0.91	
28 4,4'-DDT						
1	5.187	5.187	0.0	3662943	0.0509	
2	5.820	5.820	0.0	2872727	0.0490	
					RPD = 3.92	
29 Endrin aldehyde						
1	5.467	5.467	0.0	2597237	0.0520	
2	5.913	5.913	0.0	2315052	0.0517	
					RPD = 0.69	
30 Methoxychlor						
1	5.703	5.703	0.0	1523920	0.0522	
2	6.527	6.527	0.0	1128293	0.0495	
					RPD = 5.15	

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	On-Col Amt ng/ul	Flags
32 Endosulfan sulfate						
1	5.907	5.907	0.0	2875159	0.0527	
2	6.203	6.203	0.0	2598274	0.0509	
					RPD = 3.50	
33 Endrin ketone						
1	6.183	6.183	0.0	3380963	0.0523	
2	6.730	6.730	0.0	2593811	0.0499	
					RPD = 4.61	
$ 34 DCB Decachlorobiphenyl						
1	7.213	7.213	0.0	2334756	0.0495	
2	8.000	8.000	0.0	2361896	0.0510	
					RPD = 2.97	
S 1 BHC, Total						
1					0.2015	
2					0.2036	
					RPD = 1.06	

QC Flag Legend

Review Flags
M - Manually Integrated

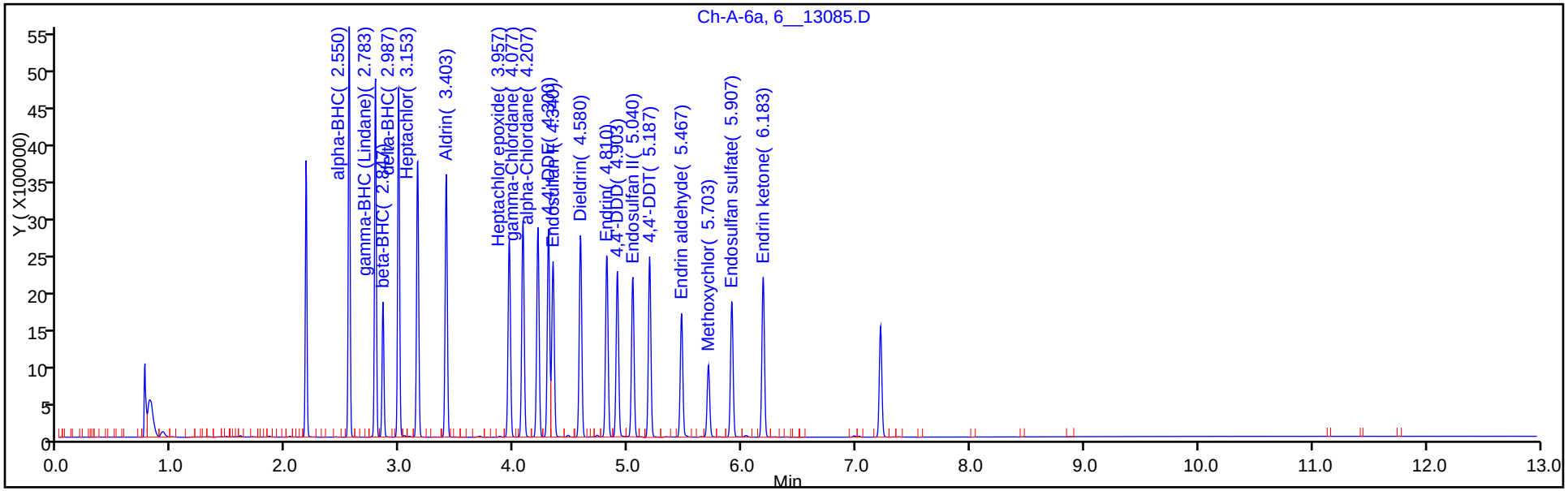
Report Date: 05-Mar-2014 12:46:22 Chrom Revision: 2.1 17-Feb-2014 09:05:58

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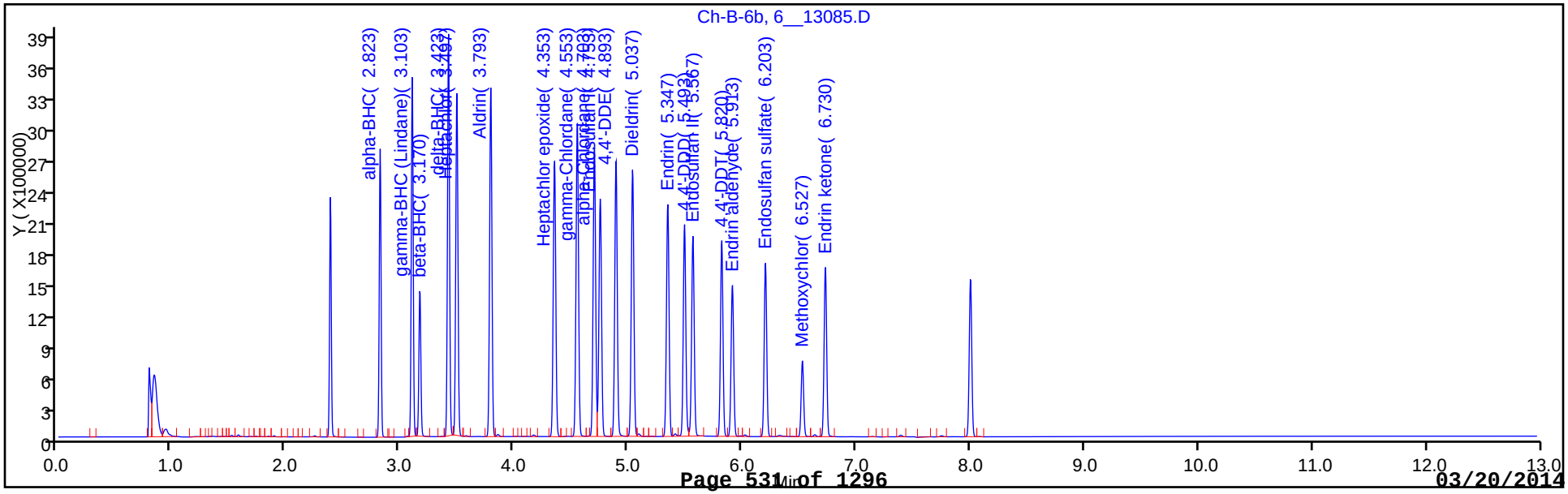
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Injection Date:	05-Mar-2014 10:22:19	Instrument ID:	HP6890-6	Operator ID:	buftchrom
Lims ID:	std	Lab Sample ID:		Worklist Smp#:	6
Client ID:					
Injection Vol:	1.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	0
Method:	8081-6	Limit Group:	GC - 8081B ICAL		

Y Scaling: Method Defined: Set to Absolute Y Value



Y Scaling: Method Defined: Set to Absolute Y Value



TestAmerica Buffalo
Target Compound Quantitation Report

Data File: \\Bufchrom\ChromData\HP6890-06\20140305-29947.b\6__13086.D
Lims ID: std Lab Sample ID:
Client ID:
Sample Type: IC Calib Level: 4
Inject. Date: 05-Mar-2014 10:39:45 ALS Bottle#: 0 Worklist Smp#: 7
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: #: Name:
Misc. Info.: Study: Channel B: I/F Serial#, CN10520010
Operator ID: buftchrom Instrument ID: HP6890-6
Sublist: chrom-8081-6*sub6

Method: \\Bufchrom\ChromData\HP6890-06\20140305-29947.b\8081-6.m
Limit Group: GC - 8081B ICAL
Last Update: 05-Mar-2014 12:46:23 Calib Date: 05-Mar-2014 11:21:20
Integrator: Falcon
Quant Method: External Standard Quant By: Initial Calibration
Last ICal File: \\Bufchrom\ChromData\HP6890-06\20140305-29947.b\6__13088.D

Column 1 : Det: Ch-A-6A58132
Column 2 : Det: Ch-B-6b58132
Process Host: XAWRK053

First Level Reviewer: WolfL Date: 05-Mar-2014 10:55:55

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	On-Col Amt ng/ul	Flags
$ 4 Tetrachloro-m-xylene						
1	2.177	2.173	0.004	612138	0.009394	
2	2.387	2.387	0.0	441828	0.009610	
					RPD = 2.27	
6 alpha-BHC						
1	2.553	2.550	0.003	994802	0.009325	
2	2.823	2.823	0.0	524274	0.009295	
					RPD = 0.33	
7 gamma-BHC (Lindane)						
1	2.783	2.783	0.0	884144	0.009322	
2	3.107	3.103	0.004	717656	0.009550	
					RPD = 2.42	
8 beta-BHC						
1	2.850	2.847	0.003	358759	0.009485	
2	3.173	3.170	0.003	312073	0.009770	
					RPD = 2.96	
9 delta-BHC						
1	2.987	2.987	0.0	891815	0.009307	
2	3.423	3.423	0.0	819965	0.009296	
					RPD = 0.12	
11 Heptachlor						
1	3.153	3.153	0.0	862237	0.009653	
2	3.497	3.497	0.0	849353	0.009858	
					RPD = 2.10	
12 Aldrin						
1	3.403	3.403	0.0	800749	0.009511	
2	3.793	3.793	0.0	855915	0.009697	
					RPD = 1.94	

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	On-Col Amt ng/ul	Flags
14 Heptachlor epoxide						
1	3.957	3.957	0.0	726165	0.009726	
2	4.353	4.353	0.0	785532	0.009759	
					RPD = 0.34	
16 gamma-Chlordane						
1	4.077	4.077	0.0	747159	0.009426	
2	4.553	4.553	0.0	804533	0.009510	
					RPD = 0.88	
17 alpha-Chlordane						
1	4.207	4.207	0.0	715421	0.009476	
2	4.703	4.703	0.0	747268	0.009493	
					RPD = 0.18	
18 4,4'-DDE						
1	4.300	4.300	0.0	684327	0.009263	
2	4.893	4.893	0.0	703373	0.009505	
					RPD = 2.58	
19 Endosulfan I						
1	4.340	4.340	0.0	677605	0.009793	
2	4.753	4.753	0.0	690128	0.009829	
					RPD = 0.37	
21 Dieldrin						
1	4.580	4.580	0.0	731468	0.009670	
2	5.037	5.037	0.0	733440	0.009681	
					RPD = 0.12	
23 Endrin						
1	4.810	4.810	0.0	682666	0.009668	
2	5.347	5.347	0.0	639840	0.009722	
					RPD = 0.55	
24 4,4'-DDD						
1	4.903	4.903	0.0	568748	0.009485	
2	5.493	5.493	0.0	541149	0.009347	
					RPD = 1.46	
26 Endosulfan II						
1	5.040	5.040	0.0	607180	0.009669	
2	5.567	5.567	0.0	548169	0.009565	
					RPD = 1.08	
28 4,4'-DDT						
1	5.187	5.187	0.0	602223	0.009412	
2	5.820	5.820	0.0	424863	0.009237	
					RPD = 1.87	
29 Endrin aldehyde						
1	5.467	5.467	0.0	491929	0.009748	
2	5.913	5.913	0.0	423456	0.009681	
					RPD = 0.69	
30 Methoxychlor						
1	5.703	5.703	0.0	290007	0.0100	
2	6.527	6.527	0.0	176718	0.009341	
					RPD = 6.67	

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	On-Col Amt ng/ul	Flags
32 Endosulfan sulfate						
1	5.907	5.907	0.0	505273	0.009538	
2	6.203	6.203	0.0	461532	0.009602	
					RPD = 0.67	
33 Endrin ketone						
1	6.183	6.183	0.0	626657	0.009715	
2	6.727	6.730	-0.003	451860	0.009678	
					RPD = 0.37	
$ 34 DCB Decachlorobiphenyl						
1	7.210	7.213	-0.003	486970	0.0103	
2	8.000	8.000	0.0	436716	0.009438	
					RPD = 9.07	
S 1 BHC, Total						
1					0.0374	
2					0.0379	
					RPD = 1.25	

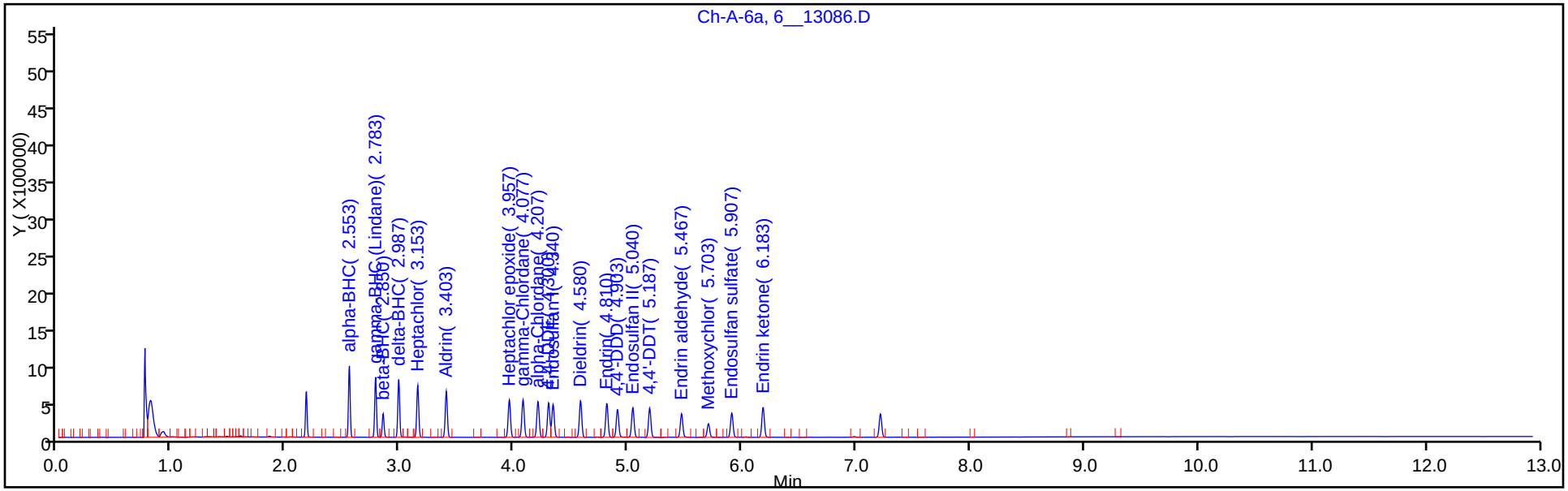
Report Date: 05-Mar-2014 12:46:24 Chrom Revision: 2.1 17-Feb-2014 09:05:58

TestAmerica Buffalo

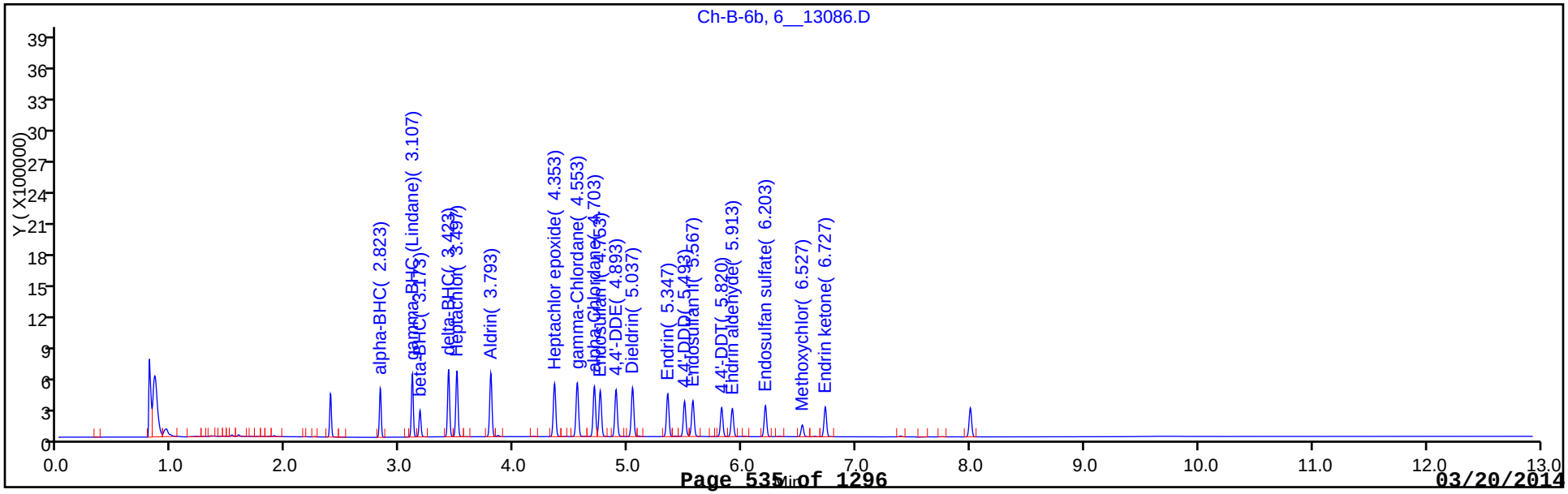
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Injection Date:	05-Mar-2014 10:39:45	Instrument ID:	HP6890-6	Operator ID:	buftchrom
Lims ID:	std	Lab Sample ID:		Worklist Smp#:	7
Client ID:					
Injection Vol:	1.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	0
Method:	8081-6	Limit Group:	GC - 8081B ICAL		

Y Scaling: Method Defined: Set to Absolute Y Value



Y Scaling: Method Defined: Set to Absolute Y Value



TestAmerica Buffalo
Target Compound Quantitation Report

Data File: \\Bufchrom\ChromData\HP6890-06\20140305-29947.b\6__13087.D
Lims ID: std Lab Sample ID:
Client ID:
Sample Type: IC Calib Level: 5
Inject. Date: 05-Mar-2014 10:57:15 ALS Bottle#: 0 Worklist Smp#: 8
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: #: Name:
Misc. Info.: Study: Channel B: I/F Serial#, CN10520010
Operator ID: buftchrom Instrument ID: HP6890-6
Sublist: chrom-8081-6*sub6

Method: \\Bufchrom\ChromData\HP6890-06\20140305-29947.b\8081-6.m
Limit Group: GC - 8081B ICAL
Last Update: 05-Mar-2014 12:46:26 Calib Date: 05-Mar-2014 11:21:20
Integrator: Falcon
Quant Method: External Standard Quant By: Initial Calibration
Last ICal File: \\Bufchrom\ChromData\HP6890-06\20140305-29947.b\6__13088.D

Column 1 : Det: Ch-A-6A58132
Column 2 : Det: Ch-B-6b58132
Process Host: XAWRK053

First Level Reviewer: WolfL Date: 05-Mar-2014 11:14:35

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	On-Col Amt ng/ul	Flags
$ 4 Tetrachloro-m-xylene						
1	2.173	2.173	0.0	314102	0.005209	
2	2.383	2.387	-0.004	230493	0.005199	
					RPD = 0.18	
6 alpha-BHC						
1	2.550	2.550	0.0	491647	0.005300	
2	2.820	2.823	-0.003	273547	0.005275	
					RPD = 0.47	
7 gamma-BHC (Lindane)						
1	2.780	2.783	-0.003	442398	0.005302	
2	3.103	3.103	0.0	355365	0.005135	
					RPD = 3.19	
8 beta-BHC						
1	2.847	2.847	0.0	183949	0.005240	
2	3.170	3.170	0.0	158856	0.005042	
					RPD = 3.85	
9 delta-BHC						
1	2.983	2.987	-0.004	443938	0.005317	
2	3.420	3.423	-0.003	424860	0.005300	
					RPD = 0.32	
11 Heptachlor						
1	3.150	3.153	-0.003	436291	0.004939	
2	3.493	3.497	-0.004	430523	0.004785	
					RPD = 3.17	
12 Aldrin						
1	3.400	3.403	-0.003	400189	0.005064	
2	3.790	3.793	-0.003	431226	0.004934	
					RPD = 2.60	

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	On-Col Amt ng/ul	Flags
14 Heptachlor epoxide						
1	3.953	3.957	-0.004	369768	0.004927	
2	4.350	4.353	-0.003	410947	0.004878	
					RPD = 1.00	
16 gamma-Chlordane						
1	4.073	4.077	-0.004	379410	0.005248	
2	4.550	4.553	-0.003	403095	0.005169	
					RPD = 1.51	
17 alpha-Chlordane						
1	4.207	4.207	0.0	359348	0.005210	
2	4.700	4.703	-0.003	379361	0.005177	
					RPD = 0.64	
18 4,4'-DDE						
1	4.300	4.300	0.0	354172	0.005309	
2	4.890	4.893	-0.003	348645	0.005131	
					RPD = 3.40	
19 Endosulfan I						
1	4.337	4.340	-0.003	340763	0.004814	
2	4.750	4.753	-0.003	347488	0.004842	
					RPD = 0.59	
21 Dieldrin						
1	4.580	4.580	0.0	368570	0.004964	
2	5.037	5.037	0.0	366650	0.004962	
					RPD = 0.04	
23 Endrin						
1	4.810	4.810	0.0	342426	0.004880	
2	5.343	5.347	-0.004	313475	0.004931	
					RPD = 1.04	
24 4,4'-DDD						
1	4.903	4.903	0.0	279401	0.005132	
2	5.493	5.493	0.0	281022	0.005237	
					RPD = 2.03	
26 Endosulfan II						
1	5.037	5.040	-0.003	309436	0.004990	
2	5.563	5.567	-0.004	288250	0.005111	
					RPD = 2.40	
28 4,4'-DDT						
1	5.187	5.187	0.0	292316	0.005209	
2	5.817	5.820	-0.003	191558	0.005451	
					RPD = 4.55	
29 Endrin aldehyde						
1	5.467	5.467	0.0	254832	0.004989	
2	5.910	5.913	-0.003	214717	0.005050	
					RPD = 1.21	
30 Methoxychlor						
1	5.703	5.703	0.0	139648	0.004846	
2	6.523	6.527	-0.004	82405	0.005356	
					RPD = 10.01	

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	On-Col Amt ng/ul	Flags
32 Endosulfan sulfate						
1	5.907	5.907	0.0	265074	0.005161	
2	6.200	6.203	-0.003	231408	0.005153	
					RPD = 0.15	
33 Endrin ketone						
1	6.180	6.183	-0.003	320641	0.004986	
2	6.727	6.730	-0.003	214785	0.005224	
					RPD = 4.67	
$ 34 DCB Decachlorobiphenyl						
1	7.210	7.213	-0.003	219151	0.004651	
2	8.000	8.000	0.0	226808	0.004901	
					RPD = 5.25	
S 1 BHC, Total						
1					0.0212	
2					0.0208	
					RPD = 1.94	

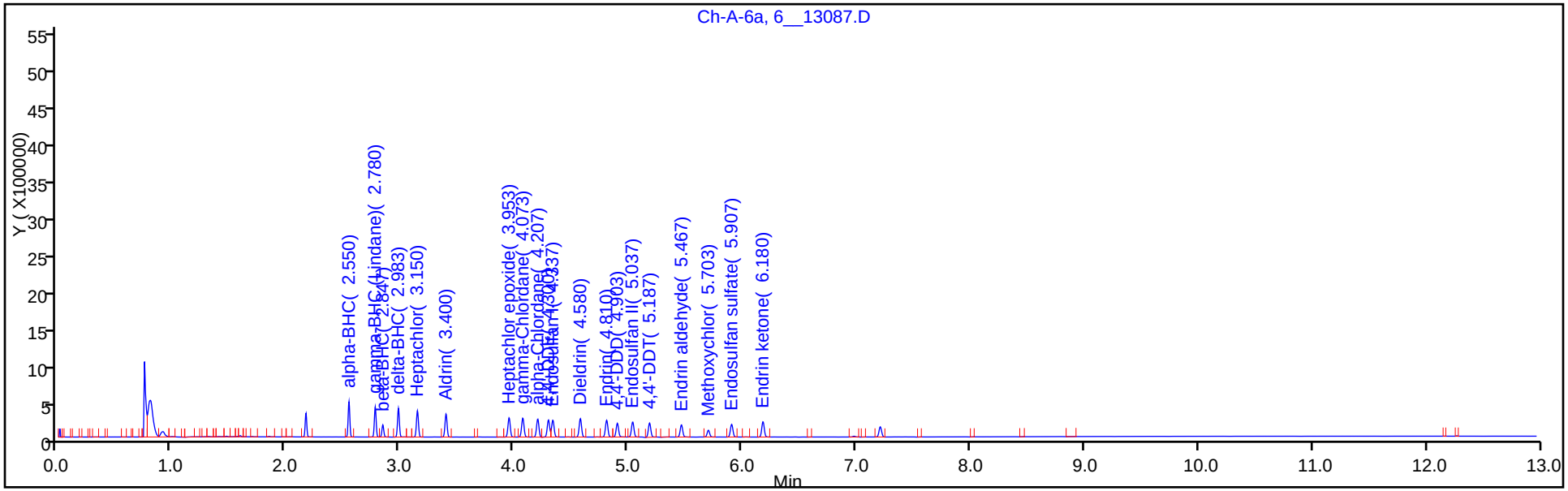
Report Date: 05-Mar-2014 12:46:27 Chrom Revision: 2.1 17-Feb-2014 09:05:58

TestAmerica Buffalo

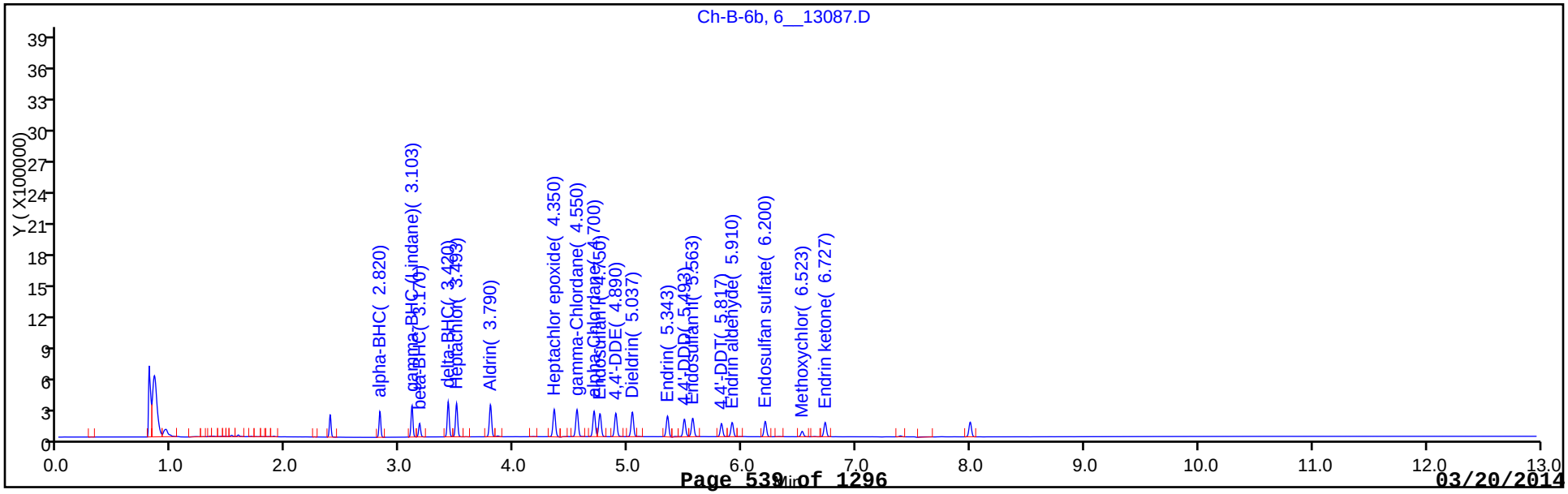
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Injection Date:	05-Mar-2014 10:57:15	Instrument ID:	HP6890-6	Operator ID:	buftchrom
Lims ID:	std	Lab Sample ID:		Worklist Smp#:	8
Client ID:					
Injection Vol:	1.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	0
Method:	8081-6	Limit Group:	GC - 8081B ICAL		

Y Scaling: Method Defined: Set to Absolute Y Value



Y Scaling: Method Defined: Set to Absolute Y Value



TestAmerica Buffalo
Target Compound Quantitation Report

Data File: \\Bufchrom\ChromData\HP6890-06\20140305-29947.b\6__13088.D
Lims ID: std Lab Sample ID: Client 480-168616/9-A
Client ID:
Sample Type: IC Calib Level: 1
Inject. Date: 05-Mar-2014 11:21:20 ALS Bottle#: 0 Worklist Smp#: 9
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: #: Name:
Misc. Info.: Study: Channel B: I/F Serial#, CN10520010
Operator ID: buftchrom Instrument ID: HP6890-6
Sublist: chrom-8081-6*sub6

Method: \\Bufchrom\ChromData\HP6890-06\20140305-29947.b\8081-6.m
Limit Group: GC - 8081B ICAL
Last Update: 05-Mar-2014 12:46:28 Calib Date: 05-Mar-2014 11:21:20
Integrator: Falcon
Quant Method: External Standard Quant By: Initial Calibration
Last ICal File: \\Bufchrom\ChromData\HP6890-06\20140305-29947.b\6__13088.D

Column 1 : Det: Ch-A-6A58132
Column 2 : Det: Ch-B-6b58132
Process Host: XAWRK053

First Level Reviewer: WolfL Date: 05-Mar-2014 11:49:05

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	On-Col Amt ng/ul	Flags
$ 4 Tetrachloro-m-xylene						
1	2.183	2.173	0.010	10649866	0.1504	
2	2.393	2.387	0.006	7256791	0.1518	
					RPD = 0.97	
6 alpha-BHC						
1	2.560	2.550	0.010	18551762	0.1498	
2	2.830	2.823	0.007	9145719	0.1475	
					RPD = 1.52	
7 gamma-BHC (Lindane)						
1	2.793	2.783	0.010	16314196	0.1498	
2	3.113	3.103	0.010	12068453	0.1479	
					RPD = 1.26	
8 beta-BHC						
1	2.860	2.847	0.013	6221680	0.1519	
2	3.180	3.170	0.010	4951794	0.1529	
					RPD = 0.71	
9 delta-BHC						
1	2.997	2.987	0.010	16689201	0.1500	
2	3.430	3.423	0.007	14639981	0.1490	
					RPD = 0.65	
11 Heptachlor						
1	3.163	3.153	0.010	13204554	0.1462	
2	3.503	3.497	0.006	12038829	0.1454	
					RPD = 0.60	
12 Aldrin						
1	3.417	3.403	0.014	13236703	0.1476	
2	3.803	3.793	0.010	13249243	0.1487	
					RPD = 0.76	

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	On-Col Amt ng/ul	Flags
14 Heptachlor epoxide						
1	3.970	3.957	0.013	10920613	0.1470	
2	4.363	4.353	0.010	11244440	0.1461	
					RPD = 0.65	
16 gamma-Chlordane						
1	4.090	4.077	0.013	13034104	0.1490	
2	4.563	4.553	0.010	13710131	0.1491	
					RPD = 0.02	
17 alpha-Chlordane						
1	4.223	4.207	0.016	12408518	0.1496	
2	4.713	4.703	0.010	12649239	0.1491	
					RPD = 0.30	
18 4,4'-DDE						
1	4.313	4.300	0.013	12444309	0.1501	
2	4.900	4.893	0.007	11992756	0.1487	
					RPD = 0.93	
19 Endosulfan I						
1	4.353	4.340	0.013	9815418	0.1449	
2	4.763	4.753	0.010	10057392	0.1461	
					RPD = 0.89	
21 Dieldrin						
1	4.597	4.580	0.017	11530534	0.1497	
2	5.047	5.037	0.010	11396587	0.1469	
					RPD = 1.91	
23 Endrin						
1	4.827	4.810	0.017	10286010	0.1448	
2	5.357	5.347	0.010	9926799	0.1460	
					RPD = 0.85	
24 4,4'-DDD						
1	4.920	4.903	0.017	9815730	0.1486	
2	5.503	5.493	0.010	9379191	0.1490	
					RPD = 0.26	
26 Endosulfan II						
1	5.053	5.040	0.013	9382687	0.1476	
2	5.577	5.567	0.010	8925895	0.1531	
					RPD = 3.69	
28 4,4'-DDT						
1	5.203	5.187	0.016	10878598	0.1488	
2	5.827	5.820	0.007	9223569	0.1520	
					RPD = 2.16	
29 Endrin aldehyde						
1	5.480	5.467	0.013	7408051	0.1486	
2	5.923	5.913	0.010	6710267	0.1492	
					RPD = 0.40	
30 Methoxychlor						
1	5.717	5.703	0.014	4306435	0.1473	
2	6.537	6.527	0.010	3532428	0.1511	
					RPD = 2.58	

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	On-Col Amt ng/ul	Flags
32 Endosulfan sulfate						
1	5.920	5.907	0.013	8480368	0.1549	
2	6.210	6.203	0.007	7761528	0.1507	
					RPD = 2.71	
33 Endrin ketone						
1	6.197	6.183	0.014	9595307	0.1483	
2	6.737	6.730	0.007	8125620	0.1539	
					RPD = 3.67	
$ 34 DCB Decachlorobiphenyl						
1	7.227	7.213	0.014	7436702	0.1578	
2	8.010	8.000	0.010	7196919	0.1555	
					RPD = 1.46	
S 1 BHC, Total						
1					0.6014	
2					0.5974	
					RPD = 0.67	

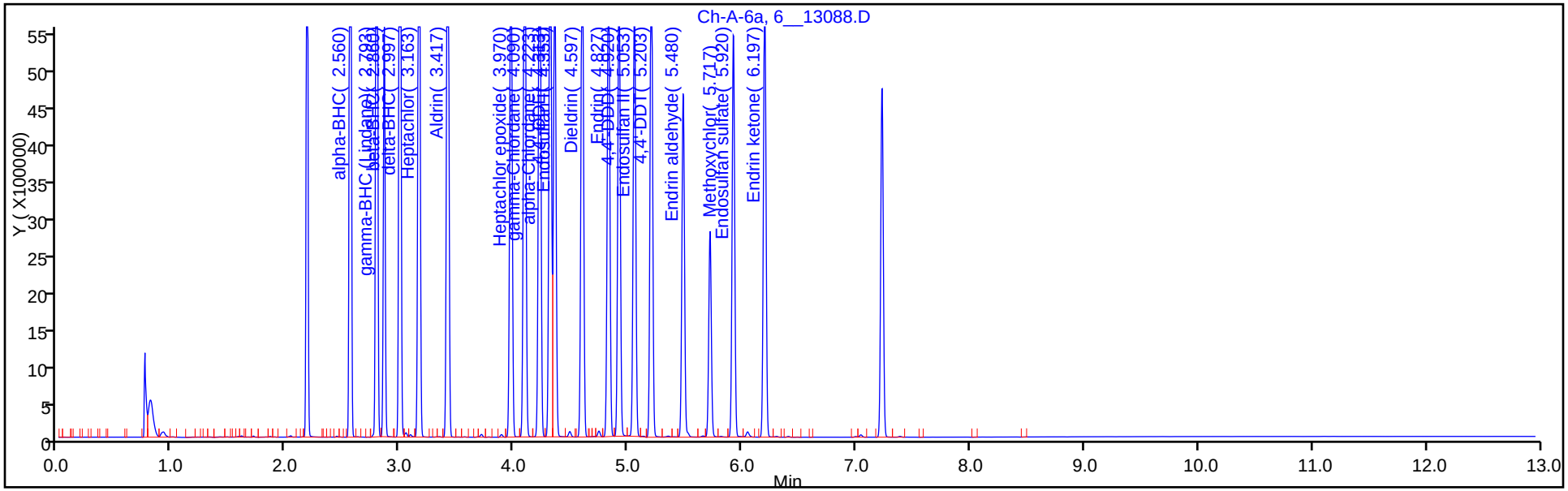
Report Date: 05-Mar-2014 12:46:29 Chrom Revision: 2.1 17-Feb-2014 09:05:58

TestAmerica Buffalo

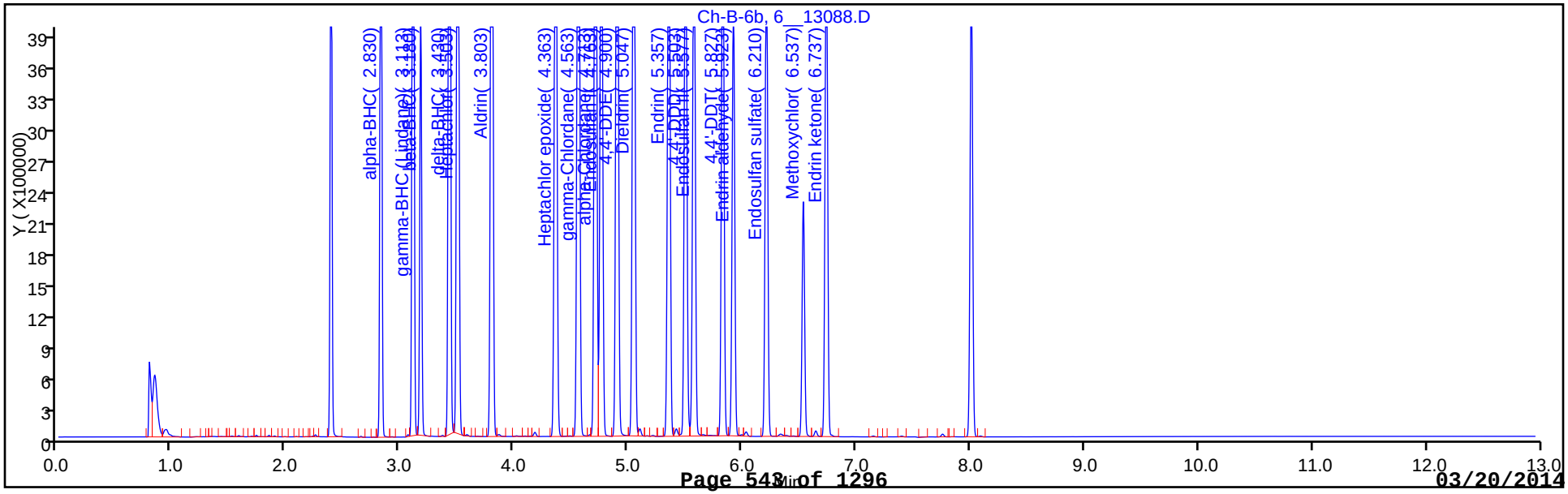
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Injection Date:	05-Mar-2014 11:21:20	Instrument ID:	HP6890-6	Operator ID:	buftchrom
Lims ID:	std	Lab Sample ID:	Client 480-168616/9-A	Worklist Smp#:	9
Client ID:					
Injection Vol:	1.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	0
Method:	8081-6	Limit Group:	GC - 8081B ICAL		

Y Scaling: Method Defined: Set to Absolute Y Value



Y Scaling: Method Defined: Set to Absolute Y Value



FORM VII
GC SEMI VOA PERFORMANCE EVALUATION MIXTURE (PEM)

Lab Name: TestAmerica Buffalo Job No.: 480-55783-1

SDG No.:

Lab Sample ID: PEM 480-170073/6 Calibration Date: 03/14/2014 12:41

Instrument ID: HP6890-6 Calib Start Date: 03/05/2014 10:04

GC Column: RTX-CLPI ID: 0.53(mm) Calib End Date: 03/05/2014 11:21

Lab File ID: 6__13178.D Conc. Units: ng/uL

ANALYTE	RT	RESPONSE	BREAKDOWN (%)	LIMIT	#
Endrin	4.80	4096547	0.00	20	
Endrin aldehyde		0			
Endrin ketone		0			

ANALYTE	RT	RESPONSE	BREAKDOWN (%)	LIMIT	#
4,4'-DDT	5.18	7813176	0.07	20	
4,4'-DDD	4.91	5567			
4,4'-DDE		0			

TestAmerica Buffalo
Target Compound Quantitation Report

Data File: \\Bufchrom\ChromData\HP6890-06\20140314-30173.b\6__13178.D
Lims ID: pem Lab Sample ID: PEM 480-170073/6-A
Client ID:
Sample Type: PEM
Inject. Date: 14-Mar-2014 12:41:42 ALS Bottle#: 0 Worklist Smp#: 6
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: #: Name:
Misc. Info.: Study: Channel B: I/F Serial#, CN10520010
Operator ID: buftchrom Instrument ID: HP6890-6
Sublist:

Method: \\Bufchrom\ChromData\HP6890-06\20140314-30173.b\8081-6.m
Limit Group: GC - 8081B ICAL
Last Update: 17-Mar-2014 14:42:10 Calib Date: 05-Mar-2014 11:21:20
Integrator: Falcon
Quant Method: External Standard Quant By: Initial Calibration
Last ICal File: \\Bufchrom\ChromData\HP6890-06\20140305-29947.b\6__13088.D

Column 1 : Det: Ch-A-6A58132
Column 2 : Det: Ch-B-6b58132
Process Host: XAWRK035

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	On-Col Amt ng/ul	Flags
$ 4 Tetrachloro-m-xylene						
1	2.170	2.180	-0.010	1489193	0.0217	
2	2.380	2.387	-0.007	1013791	0.0215	
					RPD = 0.76	
6 alpha-BHC						
1	2.547	2.560	-0.013	1169576	0.0107	
2	2.817	2.823	-0.006	628580	0.0110	
					RPD = 2.25	
7 gamma-BHC (Lindane)						
1	2.777	2.790	-0.013	1056122	0.0109	
2	3.097	3.103	-0.006	834519	0.0110	
					RPD = 0.79	
8 beta-BHC						
1	2.843	2.857	-0.014	441659	0.0115	
2	3.163	3.170	-0.007	374739	0.0117	
					RPD = 1.77	
23 Endrin						
1	4.803	4.823	-0.020	4096547	0.0577	
2	5.337	5.347	-0.010	3914520	0.0578	
					RPD = 0.14	
24 4,4'-DDD						
1	4.907	4.917	-0.010	5567	0.001013	
2	5.517	5.497	0.020	156981	0.003278	
					RPD = 105.59	
28 4,4'-DDT						
1	5.180	5.200	-0.020	7813176	0.1072	
2	5.810	5.820	-0.010	6398105	0.1062	
					RPD = 0.97	

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	On-Col Amt ng/ul	Flags
30 Methoxychlor						
1	5.697	5.717	-0.020	7766916	0.2656	E
2	6.517	6.530	-0.013	6488860	0.2760	E
					RPD = 3.87	
$ 34 DCB Decachlorobiphenyl						
1	7.207	7.227	-0.020	863982	0.0183	
2	7.993	8.003	-0.010	983210	0.0212	
					RPD = 14.72	

QC Flag Legend

Processing Flags
E - Exceeded Maximum Amount

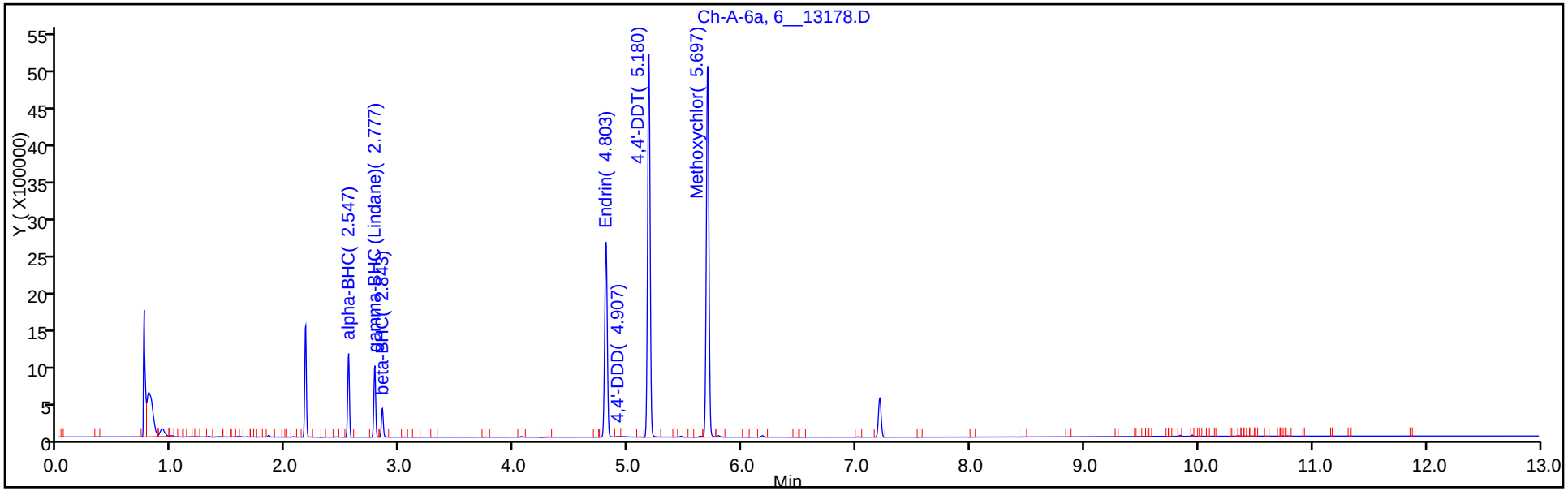
Report Date: 17-Mar-2014 14:42:12 Chrom Revision: 2.1 17-Feb-2014 09:05:58

TestAmerica Buffalo

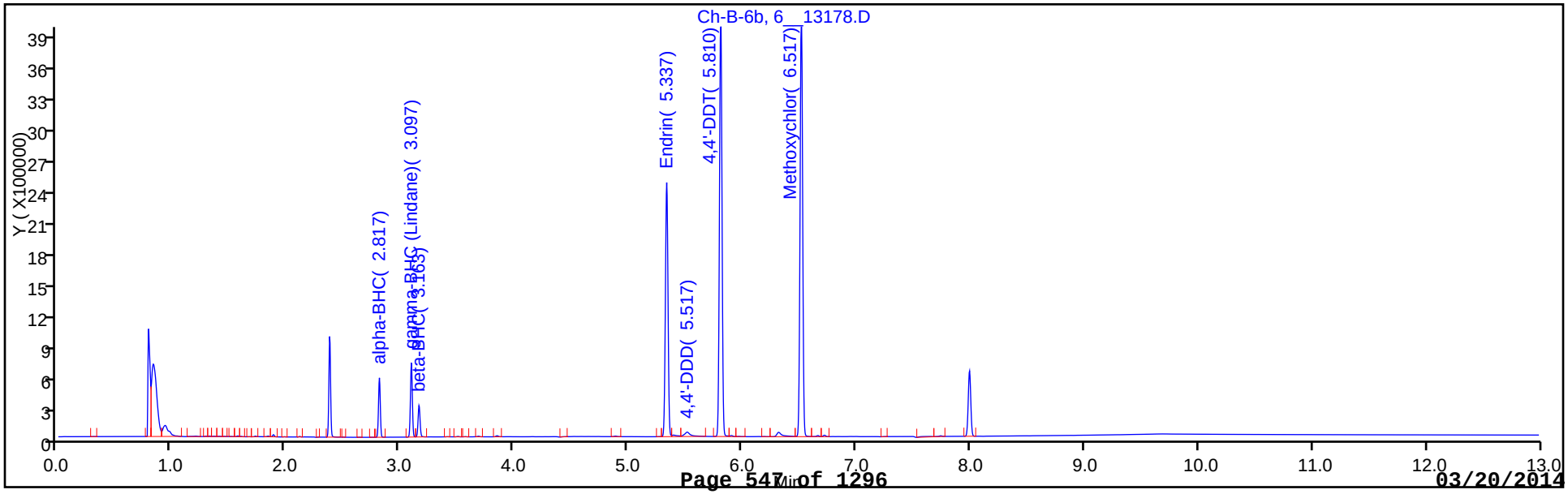
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Injection Date:	14-Mar-2014 12:41:42	Instrument ID:	HP6890-6	Operator ID:	buftchrom
Lims ID:	pem	Lab Sample ID:	PEM 480-170073/6-A	Worklist Smp#:	6
Client ID:					
Injection Vol:	1.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	0
Method:	8081-6	Limit Group:	GC - 8081B ICAL		

Y Scaling: Method Defined: Set to Absolute Y Value



Y Scaling: Method Defined: Set to Absolute Y Value



FORM VII
GC SEMI VOA PERFORMANCE EVALUATION MIXTURE (PEM)

Lab Name: TestAmerica Buffalo Job No.: 480-55783-1

SDG No.:

Lab Sample ID: PEM 480-170073/6 Calibration Date: 03/14/2014 12:41

Instrument ID: HP6890-6 Calib Start Date: 03/05/2014 10:04

GC Column: RTX-CLPII ID: 0.53(mm) Calib End Date: 03/05/2014 11:21

Lab File ID: 6__13178.D Conc. Units: ng/uL

ANALYTE	RT	RESPONSE	BREAKDOWN (%)	LIMIT	#
Endrin	5.34	3914520	0.00	20	
Endrin aldehyde		0			
Endrin ketone		0			

ANALYTE	RT	RESPONSE	BREAKDOWN (%)	LIMIT	#
4,4'-DDT	5.81	6398105	2.39	20	
4,4'-DDD	5.52	156981			
4,4'-DDE		0			

TestAmerica Buffalo
Target Compound Quantitation Report

Data File: \\Bufchrom\ChromData\HP6890-06\20140314-30173.b\6__13178.D
Lims ID: pem Lab Sample ID: PEM 480-170073/6-A
Client ID:
Sample Type: PEM
Inject. Date: 14-Mar-2014 12:41:42 ALS Bottle#: 0 Worklist Smp#: 6
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: #: Name:
Misc. Info.: Study: Channel B: I/F Serial#, CN10520010
Operator ID: buftchrom Instrument ID: HP6890-6
Sublist:

Method: \\Bufchrom\ChromData\HP6890-06\20140314-30173.b\8081-6.m
Limit Group: GC - 8081B ICAL
Last Update: 17-Mar-2014 14:42:10 Calib Date: 05-Mar-2014 11:21:20
Integrator: Falcon
Quant Method: External Standard Quant By: Initial Calibration
Last ICal File: \\Bufchrom\ChromData\HP6890-06\20140305-29947.b\6__13088.D

Column 1 : Det: Ch-A-6A58132
Column 2 : Det: Ch-B-6b58132
Process Host: XAWRK035

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	On-Col Amt ng/ul	Flags
$ 4 Tetrachloro-m-xylene						
1	2.170	2.180	-0.010	1489193	0.0217	
2	2.380	2.387	-0.007	1013791	0.0215	
					RPD = 0.76	
6 alpha-BHC						
1	2.547	2.560	-0.013	1169576	0.0107	
2	2.817	2.823	-0.006	628580	0.0110	
					RPD = 2.25	
7 gamma-BHC (Lindane)						
1	2.777	2.790	-0.013	1056122	0.0109	
2	3.097	3.103	-0.006	834519	0.0110	
					RPD = 0.79	
8 beta-BHC						
1	2.843	2.857	-0.014	441659	0.0115	
2	3.163	3.170	-0.007	374739	0.0117	
					RPD = 1.77	
23 Endrin						
1	4.803	4.823	-0.020	4096547	0.0577	
2	5.337	5.347	-0.010	3914520	0.0578	
					RPD = 0.14	
24 4,4'-DDD						
1	4.907	4.917	-0.010	5567	0.001013	
2	5.517	5.497	0.020	156981	0.003278	
					RPD = 105.59	
28 4,4'-DDT						
1	5.180	5.200	-0.020	7813176	0.1072	
2	5.810	5.820	-0.010	6398105	0.1062	
					RPD = 0.97	

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	On-Col Amt ng/ul	Flags
30 Methoxychlor						
1	5.697	5.717	-0.020	7766916	0.2656	E
2	6.517	6.530	-0.013	6488860	0.2760	E
					RPD = 3.87	
$ 34 DCB Decachlorobiphenyl						
1	7.207	7.227	-0.020	863982	0.0183	
2	7.993	8.003	-0.010	983210	0.0212	
					RPD = 14.72	

QC Flag Legend

Processing Flags
E - Exceeded Maximum Amount

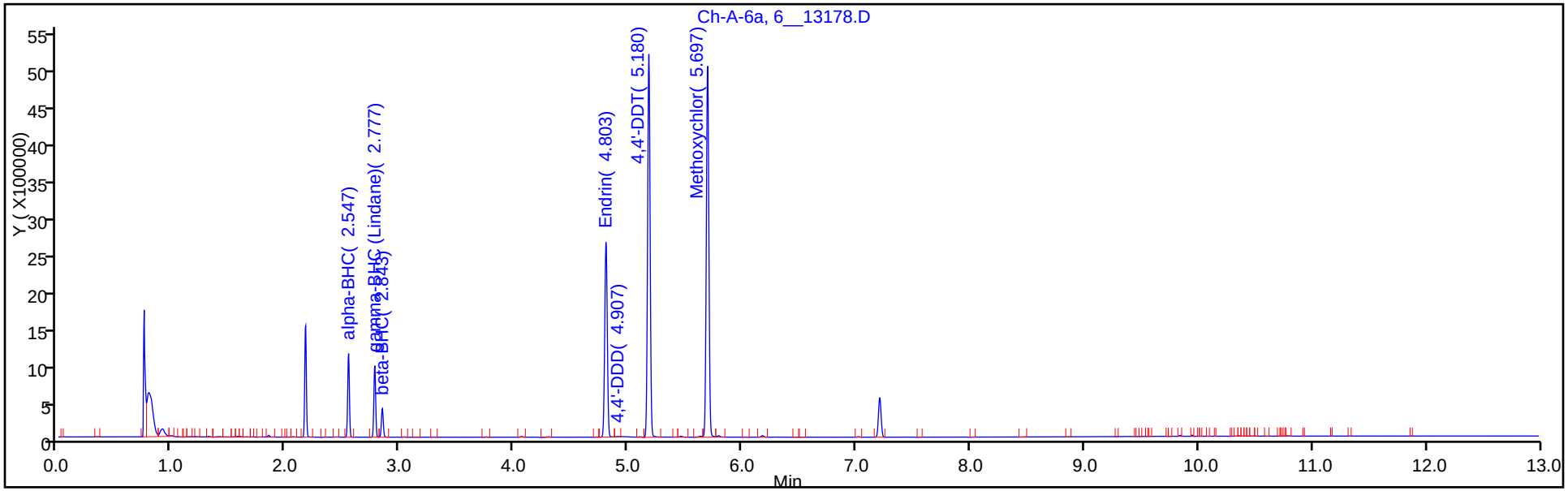
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TestAmerica Buffalo

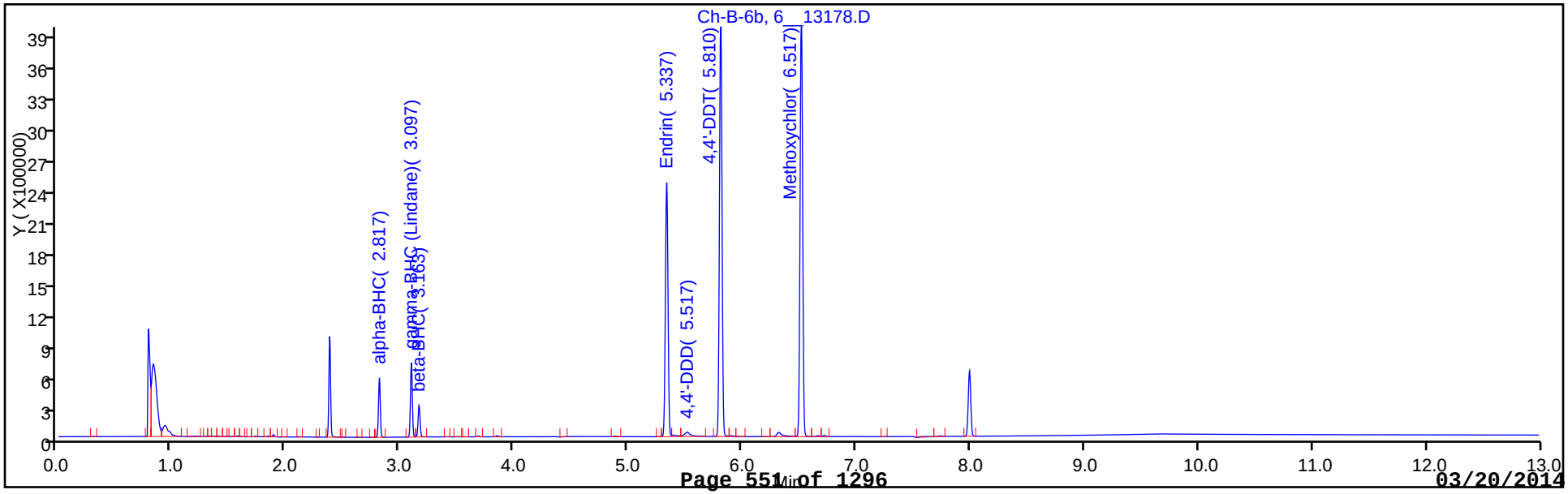
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Injection Date:	14-Mar-2014 12:41:42	Instrument ID:	HP6890-6	Operator ID:	buftchrom
Lims ID:	pem	Lab Sample ID:	PEM 480-170073/6-A	Worklist Smp#:	6
Client ID:					
Injection Vol:	1.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	0
Method:	8081-6	Limit Group:	GC - 8081B ICAL		

Y Scaling: Method Defined: Set to Absolute Y Value



Y Scaling: Method Defined: Set to Absolute Y Value



FORM VII
GC SEMI VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Buffalo Job No.: 480-55783-1

SDG No.:

Lab Sample ID: CCV 480-170073/7 Calibration Date: 03/14/2014 14:24

Instrument ID: HP6890-6 Calib Start Date: 03/05/2014 10:04

GC Column: RTX-CLPII ID: 0.53(mm) Calib End Date: 03/05/2014 11:21

Lab File ID: 6__13179.D Conc. Units: ng/uL

ANALYTE	CURVE TYPE	AVE CF	CF	MIN CF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
alpha-BHC	Lin1		64404420		0.0525	0.0500	5.0	20.0
gamma-BHC (Lindane)	Lin1		83302320		0.0516	0.0500	3.1	20.0
beta-BHC	Lin1		33705720		0.0521	0.0500	4.3	20.0
delta-BHC	Lin1		96611540		0.0498	0.0500	-0.3	20.0
Heptachlor	Lin1		93133880		0.0560	0.0500	11.9	20.0
Aldrin	Lin1		97714920		0.0549	0.0500	9.8	20.0
Heptachlor epoxide	Lin1		83062140		0.0536	0.0500	7.3	20.0
gamma-Chlordane	Lin1		94858340		0.0521	0.0500	4.2	20.0
alpha-Chlordane	Lin1		88912320		0.0529	0.0500	5.8	20.0
Endosulfan I	Lin1		75459980		0.0547	0.0500	9.4	20.0
4,4'-DDE	Lin1		85599440		0.0536	0.0500	7.2	20.0
Dieldrin	Lin1		84293720		0.0545	0.0500	8.9	20.0
Endrin	Lin1		75815800		0.0560	0.0500	11.9	20.0
4,4'-DDD	Lin1		65291120		0.0524	0.0500	4.7	20.0
Endosulfan II	Lin1		64807420		0.0557	0.0500	11.4	20.0
4,4'-DDT	Lin1		61129200		0.0519	0.0500	3.9	20.0
Endrin aldehyde	Lin1		48629080		0.0542	0.0500	8.5	20.0
Endosulfan sulfate	Lin1		55307740		0.0541	0.0500	8.3	20.0
Methoxychlor	Lin1		23811160		0.0522	0.0500	4.3	20.0
Endrin ketone	Lin1		56401580		0.0542	0.0500	8.3	20.0
Tetrachloro-m-xylene	Lin1		50651760		0.0532	0.0500	6.5	20.0
DCB Decachlorobiphenyl	Ave	46273474	47680160		0.0515	0.0500	3.0	20.0

FORM VII
GC SEMI VOA CONTINUING CALIBRATION RETENTION TIME SUMMARY

Lab Name: TestAmerica Buffalo Job No.: 480-55783-1

SDG No.:

Lab Sample ID: CCV 480-170073/7 Calibration Date: 03/14/2014 14:24

Instrument ID: HP6890-6 Calib Start Date: 03/05/2014 10:04

GC Column: RTX-CLPII ID: 0.53(mm) Calib End Date: 03/05/2014 11:21

Lab File ID: 6__13179.D

Analyte	RT	RT WINDOW	
		FROM	TO
alpha-BHC	2.82	2.77	2.87
gamma-BHC (Lindane)	3.10	3.05	3.15
beta-BHC	3.17	3.12	3.22
delta-BHC	3.42	3.37	3.47
Heptachlor	3.50	3.45	3.55
Aldrin	3.79	3.74	3.84
Heptachlor epoxide	4.35	4.30	4.40
gamma-Chlordane	4.55	4.50	4.60
alpha-Chlordane	4.70	4.65	4.75
Endosulfan I	4.75	4.70	4.80
4,4'-DDE	4.89	4.84	4.94
Dieldrin	5.04	4.99	5.09
Endrin	5.35	5.30	5.40
4,4'-DDD	5.50	5.45	5.55
Endosulfan II	5.57	5.52	5.62
4,4'-DDT	5.82	5.77	5.87
Endrin aldehyde	5.91	5.86	5.96
Endosulfan sulfate	6.20	6.15	6.25
Methoxychlor	6.53	6.48	6.58
Endrin ketone	6.73	6.68	6.78
Tetrachloro-m-xylene	2.39	2.34	2.44
DCB Decachlorobiphenyl	8.00	7.93	8.07

TestAmerica Buffalo
Target Compound Quantitation Report

Data File: \\Bufchrom\ChromData\HP6890-06\20140314-30173.b\6__13179.D
Lims ID: ccv Lab Sample ID:
Client ID:
Sample Type: CCV
Inject. Date: 14-Mar-2014 14:24:17 ALS Bottle#: 0 Worklist Smp#: 7
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: #: Name:
Misc. Info.: Study: Channel B: I/F Serial#, CN10520010
Operator ID: buftchrom Instrument ID: HP6890-6
Sublist: chrom-8081-6*sub6

Method: \\Bufchrom\ChromData\HP6890-06\20140314-30173.b\8081-6.m
Limit Group: GC - 8081B ICAL
Last Update: 17-Mar-2014 14:42:13 Calib Date: 05-Mar-2014 11:21:20
Integrator: Falcon
Quant Method: External Standard Quant By: Initial Calibration
Last ICal File: \\Bufchrom\ChromData\HP6890-06\20140305-29947.b\6__13088.D

Column 1 : Det: Ch-A-6A58132
Column 2 : Det: Ch-B-6b58132
Process Host: XAWRK035

First Level Reviewer: WolfL Date: 17-Mar-2014 14:33:07

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	On-Col Amt ng/ul	Flags
$ 4 Tetrachloro-m-xylene						
1	2.180	2.180	0.0	3701080	0.0528	
2	2.387	2.387	0.0	2532588	0.0532	
					RPD = 0.88	
6 alpha-BHC						
1	2.560	2.560	0.0	6196902	0.0509	
2	2.823	2.823	0.0	3220221	0.0525	
					RPD = 3.05	
7 gamma-BHC (Lindane)						
1	2.790	2.790	0.0	5480680	0.0512	
2	3.103	3.103	0.0	4165116	0.0516	
					RPD = 0.79	
8 beta-BHC						
1	2.857	2.857	0.0	2066357	0.0510	
2	3.170	3.170	0.0	1685286	0.0521	
					RPD = 2.31	
9 delta-BHC						
1	2.993	2.993	0.0	5577292	0.0510	
2	3.423	3.423	0.0	4830577	0.0498	
					RPD = 2.36	
11 Heptachlor						
1	3.163	3.163	0.0	4922543	0.0546	
2	3.497	3.497	0.0	4656694	0.0560	
					RPD = 2.50	
12 Aldrin						
1	3.413	3.413	0.0	4781648	0.0537	
2	3.793	3.793	0.0	4885746	0.0549	
					RPD = 2.19	

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	On-Col Amt ng/ul	Flags
14 Heptachlor epoxide						
1	3.967	3.967	0.0	4064867	0.0547	
2	4.353	4.353	0.0	4153107	0.0536	
					RPD = 1.92	
16 gamma-Chlordane						
1	4.090	4.090	0.0	4425059	0.0512	
2	4.553	4.553	0.0	4742917	0.0521	
					RPD = 1.71	
17 alpha-Chlordane						
1	4.220	4.220	0.0	4214722	0.0514	
2	4.703	4.703	0.0	4445616	0.0529	
					RPD = 2.84	
18 4,4'-DDE						
1	4.313	4.313	0.0	4331462	0.0529	
2	4.893	4.893	0.0	4279972	0.0536	
					RPD = 1.25	
19 Endosulfan I						
1	4.353	4.353	0.0	3737590	0.0550	
2	4.753	4.753	0.0	3772999	0.0547	
					RPD = 0.60	
21 Dieldrin						
1	4.593	4.593	0.0	4289575	0.0558	
2	5.040	5.040	0.0	4214686	0.0545	
					RPD = 2.43	
23 Endrin						
1	4.823	4.823	0.0	3986999	0.0562	
2	5.347	5.347	0.0	3790790	0.0560	
					RPD = 0.35	
24 4,4'-DDD						
1	4.917	4.917	0.0	3532282	0.0541	
2	5.497	5.497	0.0	3264556	0.0524	
					RPD = 3.18	
26 Endosulfan II						
1	5.053	5.053	0.0	3511744	0.0553	
2	5.567	5.567	0.0	3240371	0.0557	
					RPD = 0.69	
28 4,4'-DDT						
1	5.200	5.200	0.0	3883694	0.0539	
2	5.820	5.820	0.0	3056460	0.0519	
					RPD = 3.72	
29 Endrin aldehyde						
1	5.480	5.480	0.0	2755132	0.0552	
2	5.913	5.913	0.0	2431454	0.0542	
					RPD = 1.72	
30 Methoxychlor						
1	5.717	5.717	0.0	1621089	0.0555	
2	6.530	6.530	0.0	1190558	0.0522	
					RPD = 6.15	

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	On-Col Amt ng/ul	Flags
32 Endosulfan sulfate						
1	5.920	5.920	0.0	3085400	0.0566	
2	6.203	6.203	0.0	2765387	0.0541	
					RPD = 4.36	
33 Endrin ketone						
1	6.197	6.197	0.0	3530082	0.0546	
2	6.730	6.730	0.0	2820079	0.0542	
					RPD = 0.75	
$ 34 DCB Decachlorobiphenyl						
1	7.227	7.227	0.0	2616487	0.0555	
2	8.003	8.003	0.0	2384008	0.0515	
					RPD = 7.48	
S 1 BHC, Total						
1					0.2041	
2					0.2061	
					RPD = 0.97	

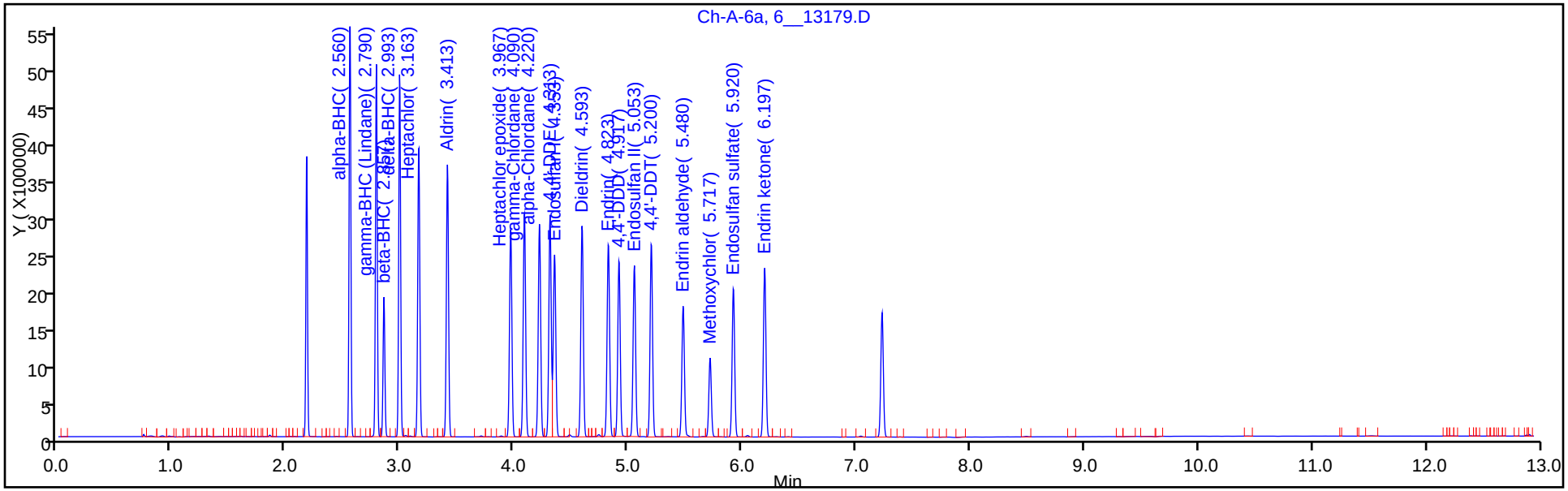
Report Date: 17-Mar-2014 14:42:14 Chrom Revision: 2.1 17-Feb-2014 09:05:58

TestAmerica Buffalo

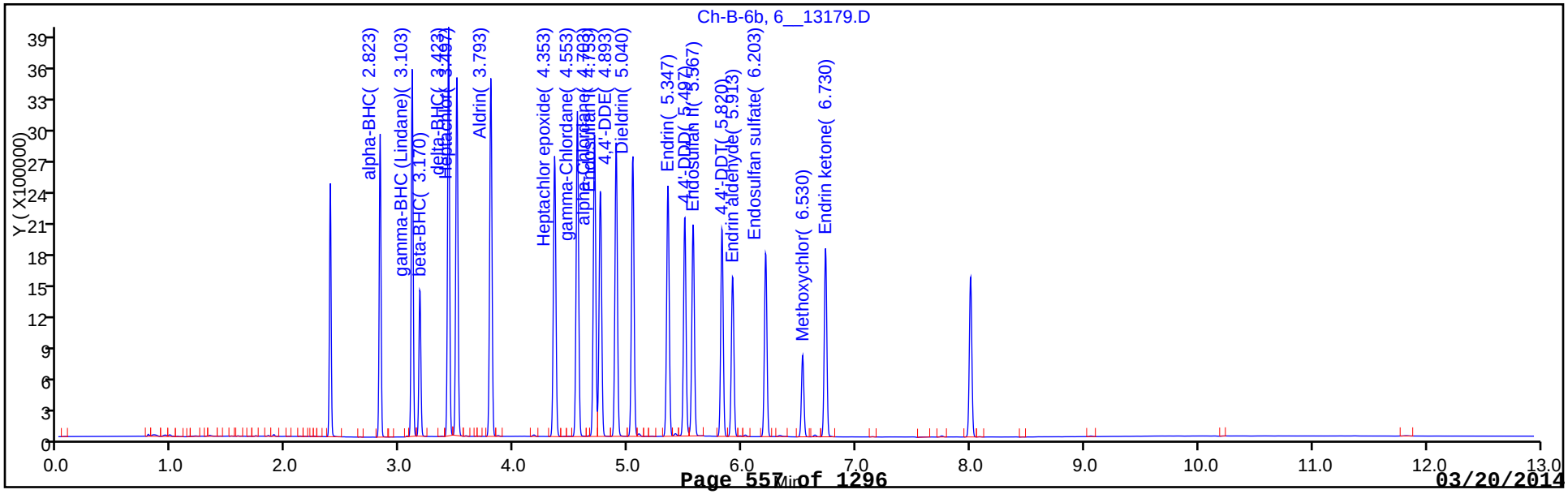
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Injection Date:	14-Mar-2014 14:24:17	Instrument ID:	HP6890-6	Operator ID:	buftchrom
Lims ID:	ccv	Lab Sample ID:		Worklist Smp#:	7
Client ID:					
Injection Vol:	1.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	0
Method:	8081-6	Limit Group:	GC - 8081B ICAL		

Y Scaling: Method Defined: Set to Absolute Y Value



Y Scaling: Method Defined: Set to Absolute Y Value



FORM VII
GC SEMI VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Buffalo Job No.: 480-55783-1

SDG No.:

Lab Sample ID: CCV 480-170073/15 Calibration Date: 03/14/2014 16:44

Instrument ID: HP6890-6 Calib Start Date: 12/19/2013 17:07

GC Column: RTX-CLPII ID: 0.53(mm) Calib End Date: 12/19/2013 18:17

Lab File ID: 6__13187.D Conc. Units: ng/uL

ANALYTE	CURVE TYPE	AVE CF	CF	MIN CF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Toxaphene Peak 1	Lin1		3248380		0.442	0.500	-11.7	20.0
Toxaphene Peak 2	Lin1		1901250		0.450	0.500	-10.0	20.0
Toxaphene Peak 3	Lin1		1474654		0.436	0.500	-12.8	20.0

FORM VII
GC SEMI VOA CONTINUING CALIBRATION RETENTION TIME SUMMARY

Lab Name: TestAmerica Buffalo Job No.: 480-55783-1

SDG No.:

Lab Sample ID: CCV 480-170073/15 Calibration Date: 03/14/2014 16:44

Instrument ID: HP6890-6 Calib Start Date: 12/19/2013 17:07

GC Column: RTX-CLPII ID: 0.53(mm) Calib End Date: 12/19/2013 18:17

Lab File ID: 6__13187.D

Analyte	RT	RT WINDOW	
		FROM	TO
Toxaphene Peak 1	5.65	5.62	5.72
Toxaphene Peak 2	5.93	5.90	6.00
Toxaphene Peak 3	6.44	6.41	6.51

TestAmerica Buffalo
Target Compound Quantitation Report

Data File: \\Bufchrom\ChromData\HP6890-06\20140314-30173.b\6__13187.D
Lims ID: ccv Lab Sample ID:
Client ID:
Sample Type: CCV
Inject. Date: 14-Mar-2014 16:44:45 ALS Bottle#: 0 Worklist Smp#: 15
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: #: Name:
Misc. Info.: Study: Channel B: I/F Serial#, CN10520010
Operator ID: buftchrom Instrument ID: HP6890-6
Sublist: chrom-8081-6*sub7

Method: \\Bufchrom\ChromData\HP6890-06\20140314-30173.b\8081-6.m
Limit Group: GC - 8081B ICAL
Last Update: 17-Mar-2014 14:42:24 Calib Date: 05-Mar-2014 11:21:20
Integrator: Falcon
Quant Method: External Standard Quant By: Initial Calibration
Last ICal File: \\Bufchrom\ChromData\HP6890-06\20140305-29947.b\6__13088.D

Column 1 : Det: Ch-A-6A58132
Column 2 : Det: Ch-B-6b58132
Process Host: XAWRK035

First Level Reviewer: WolfL Date: 17-Mar-2014 14:38:38

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	On-Col Amt ng/ul	Flags
27 Toxaphene						M
1	5.027	5.043	-0.016	1653154	0.6093	
1	5.377	5.393	-0.016	1257295	0.5704	
1	5.797	5.813	-0.016	1065920	0.5254	
		Average of Peak Amounts =			0.5684	
2	5.653	5.673	-0.020	1624190	0.4417	M
2	5.933	5.950	-0.017	950625	0.4498	M
2	6.440	6.457	-0.017	737327	0.4359	M
		Average of Peak Amounts =			0.4425	
					RPD = 24.91	

QC Flag Legend

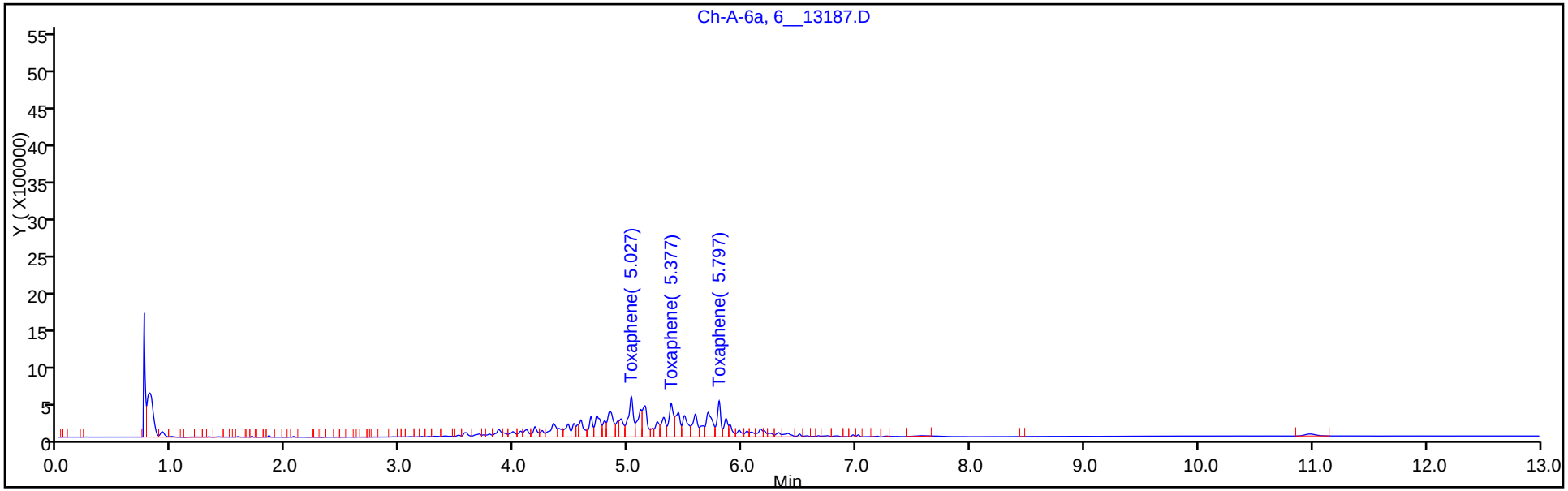
Review Flags
M - Manually Integrated

Report Date: 17-Mar-2014 14:42:24 Chrom Revision: 2.1 17-Feb-2014 09:05:58

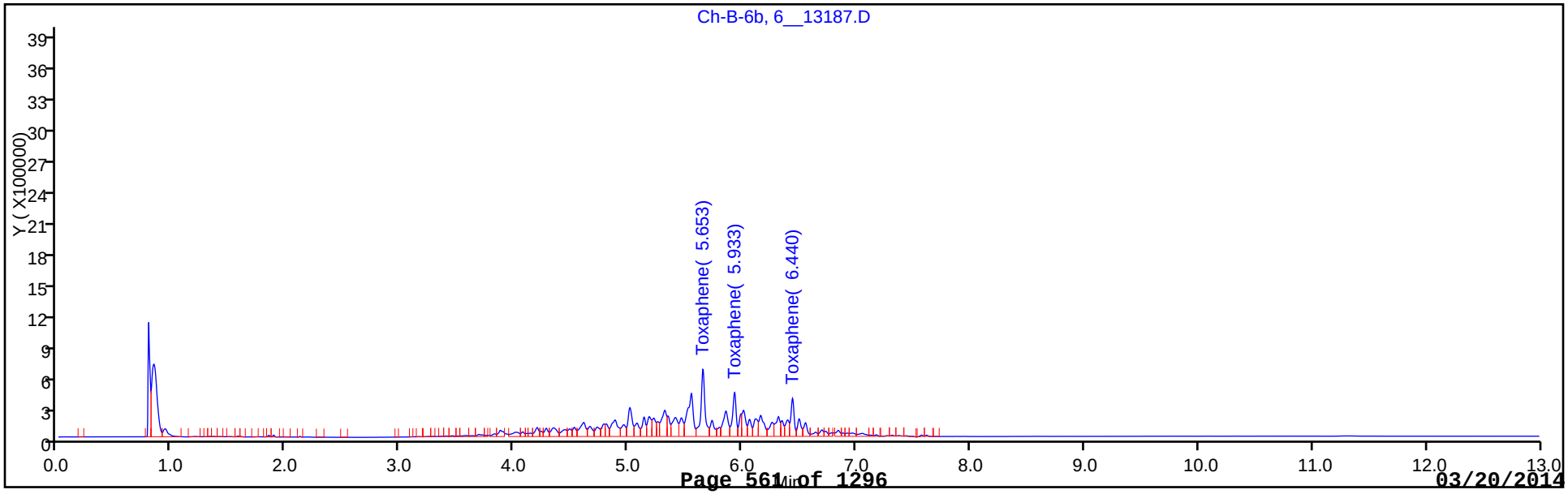
TestAmerica Buffalo

Data File:	\\Bufchrom\ChromData\HP6890-06\20140314-30173.b\6__13187.D				
Injection Date:	14-Mar-2014 16:44:45	Instrument ID:	HP6890-6	Operator ID:	buftchrom
Lims ID:	ccv	Lab Sample ID:		Worklist Smp#:	15
Client ID:					
Injection Vol:	1.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	0
Method:	8081-6	Limit Group:	GC - 8081B ICAL		

Y Scaling: Method Defined: Set to Absolute Y Value



Y Scaling: Method Defined: Set to Absolute Y Value



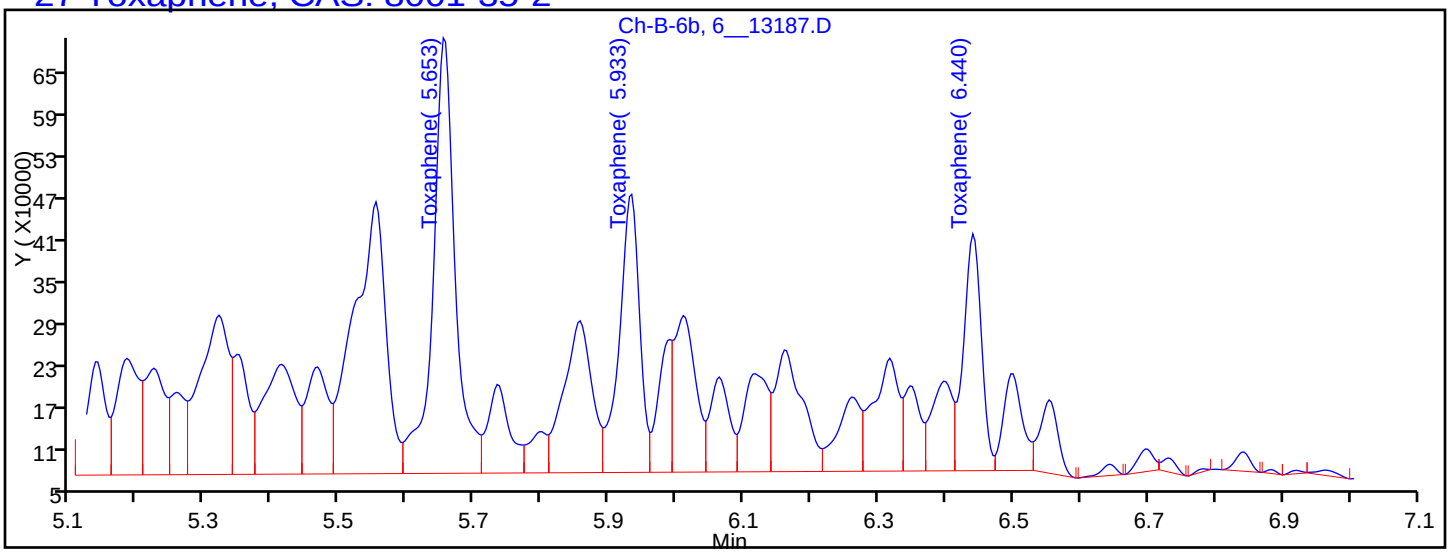
Report Date: 17-Mar-2014 14:42:25 Chrom Revision: 2.1 17-Feb-2014 09:05:58

TestAmerica Buffalo

Data File: \\Bufchrom\ChromData\HP6890-06\20140314-30173.b\6__13187.D

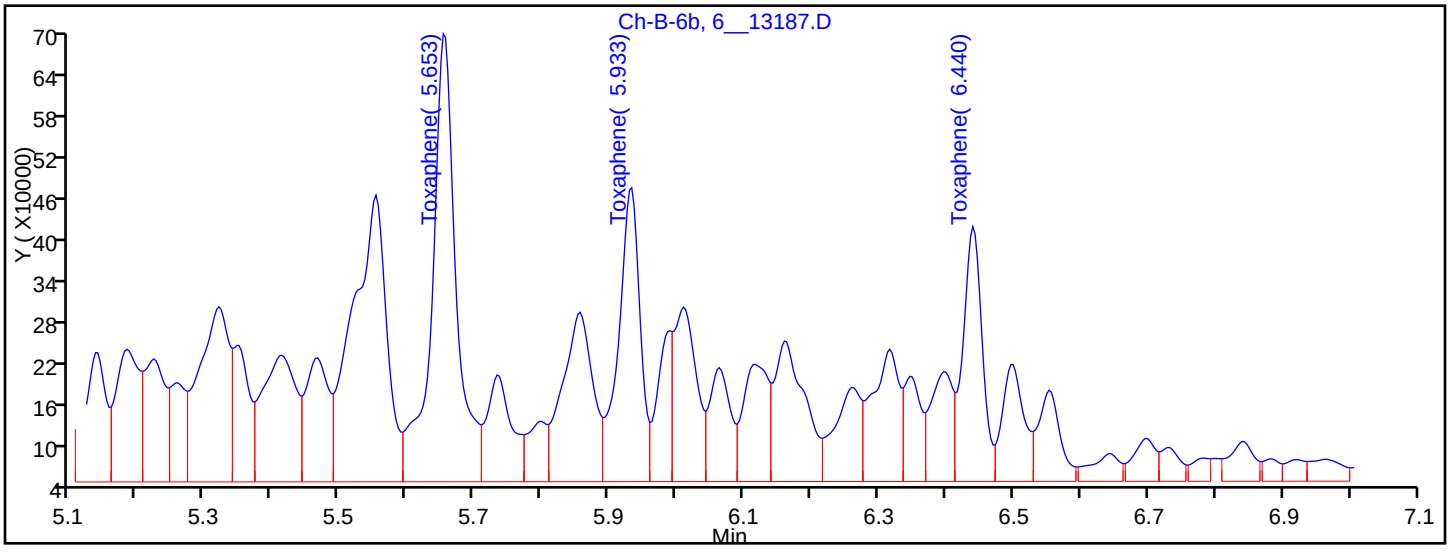
Injection Date:	14-Mar-2014 16:44:45	Instrument ID:	HP6890-6		
Lims ID:	ccv	Lab Sample ID:			
Client ID:					
Operator ID:	buftchrom	ALS Bottle#:	0	Worklist Smp#:	15
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	8081-6	Limit Group:	GC - 8081B ICAL		
Column:		Detector	Ch-B-6b58132		

27 Toxaphene, CAS: 8001-35-2



Processing Integration Results

RT = 5.653	Response = 1429552	M
RT = 5.933	Response = 829017	M
RT = 6.440	Response = 625250	M



Manual Integration Results

RT = 5.653	Response = 1624190	M
RT = 5.933	Response = 950625	M
RT = 6.440	Response = 737327	M

Reviewer: WolfL, 17-Mar-2014 14:38:38
Audit Action: Assigned New Baseline
Audit Reason: Incomplete Integration

FORM VII
GC SEMI VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Buffalo Job No.: 480-55783-1

SDG No.:

Lab Sample ID: CCV 480-170073/16 Calibration Date: 03/14/2014 17:02

Instrument ID: HP6890-6 Calib Start Date: 03/05/2014 10:04

GC Column: RTX-CLPII ID: 0.53(mm) Calib End Date: 03/05/2014 11:21

Lab File ID: 6__13188.D Conc. Units: ng/uL

ANALYTE	CURVE TYPE	AVE CF	CF	MIN CF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
alpha-BHC	Lin1		65711200		0.0536	0.0500	7.1	20.0
gamma-BHC (Lindane)	Lin1		84790640		0.0525	0.0500	4.9	20.0
beta-BHC	Lin1		33062300		0.0512	0.0500	2.3	20.0
delta-BHC	Lin1		102156600		0.0527	0.0500	5.3	20.0
Heptachlor	Lin1		92730800		0.0557	0.0500	11.4	20.0
Aldrin	Lin1		94415720		0.0530	0.0500	6.1	20.0
Heptachlor epoxide	Lin1		85342460		0.0551	0.0500	10.3	20.0
gamma-Chlordane	Lin1		94897320		0.0521	0.0500	4.2	20.0
alpha-Chlordane	Lin1		87102880		0.0518	0.0500	3.6	20.0
Endosulfan I	Lin1		75456080		0.0547	0.0500	9.4	20.0
4,4'-DDE	Lin1		83781160		0.0525	0.0500	5.0	20.0
Dieldrin	Lin1		83385280		0.0539	0.0500	7.8	20.0
Endrin	Lin1		74418480		0.0549	0.0500	9.9	20.0
4,4'-DDD	Lin1		65274700		0.0524	0.0500	4.7	20.0
Endosulfan II	Lin1		60541820		0.0520	0.0500	4.1	20.0
4,4'-DDT	Lin1		60257800		0.0512	0.0500	2.5	20.0
Endrin aldehyde	Lin1		47636800		0.0531	0.0500	6.3	20.0
Endosulfan sulfate	Lin1		53705120		0.0526	0.0500	5.2	20.0
Methoxychlor	Lin1		24693680		0.0540	0.0500	8.1	20.0
Endrin ketone	Lin1		53543420		0.0515	0.0500	3.0	20.0
Tetrachloro-m-xylene	Lin1		48878140		0.0514	0.0500	2.8	20.0
DCB Decachlorobiphenyl	Ave	46273474	47421620		0.0512	0.0500	2.5	20.0

FORM VII
GC SEMI VOA CONTINUING CALIBRATION RETENTION TIME SUMMARY

Lab Name: TestAmerica Buffalo Job No.: 480-55783-1

SDG No.:

Lab Sample ID: CCV 480-170073/16 Calibration Date: 03/14/2014 17:02

Instrument ID: HP6890-6 Calib Start Date: 03/05/2014 10:04

GC Column: RTX-CLPII ID: 0.53(mm) Calib End Date: 03/05/2014 11:21

Lab File ID: 6__13188.D

Analyte	RT	RT WINDOW	
		FROM	TO
alpha-BHC	2.82	2.77	2.87
gamma-BHC (Lindane)	3.10	3.05	3.15
beta-BHC	3.17	3.12	3.22
delta-BHC	3.42	3.37	3.47
Heptachlor	3.49	3.45	3.55
Aldrin	3.79	3.74	3.84
Heptachlor epoxide	4.35	4.30	4.40
gamma-Chlordane	4.55	4.50	4.60
alpha-Chlordane	4.70	4.65	4.75
Endosulfan I	4.75	4.70	4.80
4,4'-DDE	4.89	4.84	4.94
Dieldrin	5.03	4.99	5.09
Endrin	5.34	5.30	5.40
4,4'-DDD	5.49	5.45	5.55
Endosulfan II	5.56	5.52	5.62
4,4'-DDT	5.82	5.77	5.87
Endrin aldehyde	5.91	5.86	5.96
Endosulfan sulfate	6.20	6.15	6.25
Methoxychlor	6.52	6.48	6.58
Endrin ketone	6.72	6.68	6.78
Tetrachloro-m-xylene	2.38	2.34	2.44
DCB Decachlorobiphenyl	8.00	7.93	8.07

TestAmerica Buffalo
Target Compound Quantitation Report

Data File: \\Bufchrom\ChromData\HP6890-06\20140314-30173.b\6__13188.D
Lims ID: ccv Lab Sample ID:
Client ID:
Sample Type: CCV
Inject. Date: 14-Mar-2014 17:02:19 ALS Bottle#: 0 Worklist Smp#: 16
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: #: Name:
Misc. Info.: Study: Channel B: I/F Serial#, CN10520010
Operator ID: buftchrom Instrument ID: HP6890-6
Sublist: chrom-8081-6*sub6

Method: \\Bufchrom\ChromData\HP6890-06\20140314-30173.b\8081-6.m
Limit Group: GC - 8081B ICAL
Last Update: 17-Mar-2014 14:42:26 Calib Date: 05-Mar-2014 11:21:20
Integrator: Falcon
Quant Method: External Standard Quant By: Initial Calibration
Last ICal File: \\Bufchrom\ChromData\HP6890-06\20140305-29947.b\6__13088.D

Column 1 : Det: Ch-A-6A58132
Column 2 : Det: Ch-B-6b58132
Process Host: XAWRK035

First Level Reviewer: WolfL Date: 17-Mar-2014 14:38:59

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	On-Col Amt ng/ul	Flags
$ 4 Tetrachloro-m-xylene						
1	2.173	2.180	-0.007	3741229	0.0533	
2	2.383	2.387	-0.004	2443907	0.0514	
					RPD = 3.72	
6 alpha-BHC						
1	2.550	2.560	-0.010	6489993	0.0533	
2	2.820	2.823	-0.003	3285560	0.0536	
					RPD = 0.52	
7 gamma-BHC (Lindane)						
1	2.780	2.790	-0.010	5729541	0.0534	
2	3.103	3.103	0.0	4239532	0.0525	
					RPD = 1.80	
8 beta-BHC						
1	2.847	2.857	-0.010	2152276	0.0530	
2	3.170	3.170	0.0	1653115	0.0512	
					RPD = 3.62	
9 delta-BHC						
1	2.983	2.993	-0.010	5800280	0.0530	
2	3.420	3.423	-0.003	5107830	0.0527	
					RPD = 0.70	
11 Heptachlor						
1	3.150	3.163	-0.013	5037852	0.0559	
2	3.493	3.497	-0.004	4636540	0.0557	
					RPD = 0.25	
12 Aldrin						
1	3.400	3.413	-0.013	4945887	0.0555	
2	3.790	3.793	-0.003	4720786	0.0530	
					RPD = 4.58	

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	On-Col Amt ng/ul	Flags
14 Heptachlor epoxide						
1	3.953	3.967	-0.014	4173289	0.0561	
2	4.350	4.353	-0.003	4267123	0.0551	
					RPD = 1.82	
16 gamma-Chlordane						
1	4.073	4.090	-0.017	4736030	0.0547	
2	4.550	4.553	-0.003	4744866	0.0521	
					RPD = 4.92	
17 alpha-Chlordane						
1	4.207	4.220	-0.013	4436101	0.0541	
2	4.700	4.703	-0.003	4355144	0.0518	
					RPD = 4.22	
18 4,4'-DDE						
1	4.297	4.313	-0.016	4360817	0.0533	
2	4.887	4.893	-0.006	4189058	0.0525	
					RPD = 1.52	
19 Endosulfan I						
1	4.337	4.353	-0.016	3922249	0.0578	
2	4.750	4.753	-0.003	3772804	0.0547	
					RPD = 5.44	
21 Dieldrin						
1	4.580	4.593	-0.013	4220057	0.0549	
2	5.033	5.040	-0.007	4169264	0.0539	
					RPD = 1.88	
23 Endrin						
1	4.810	4.823	-0.013	4060068	0.0572	
2	5.343	5.347	-0.004	3720924	0.0549	
					RPD = 4.01	
24 4,4'-DDD						
1	4.903	4.917	-0.014	3606717	0.0552	
2	5.490	5.497	-0.007	3263735	0.0524	
					RPD = 5.25	
26 Endosulfan II						
1	5.037	5.053	-0.016	3555256	0.0560	
2	5.563	5.567	-0.004	3027091	0.0520	
					RPD = 7.32	
28 4,4'-DDT						
1	5.187	5.200	-0.013	3800607	0.0528	
2	5.817	5.820	-0.003	3012890	0.0512	
					RPD = 2.98	
29 Endrin aldehyde						
1	5.467	5.480	-0.013	2784696	0.0558	
2	5.910	5.913	-0.003	2381840	0.0531	
					RPD = 4.84	
30 Methoxychlor						
1	5.700	5.717	-0.017	1602430	0.0548	
2	6.523	6.530	-0.007	1234684	0.0540	
					RPD = 1.48	

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	On-Col Amt ng/ul	Flags
32 Endosulfan sulfate						
1	5.907	5.920	-0.013	2908915	0.0533	
2	6.200	6.203	-0.003	2685256	0.0526	
					RPD = 1.41	
33 Endrin ketone						
1	6.180	6.197	-0.017	3497812	0.0541	
2	6.723	6.730	-0.007	2677171	0.0515	
					RPD = 4.92	
$ 34 DCB Decachlorobiphenyl						
1	7.210	7.227	-0.017	2301778	0.0488	
2	7.997	8.003	-0.006	2371081	0.0512	
					RPD = 4.78	
S 1 BHC, Total						
1					0.2128	
2					0.2098	
					RPD = 1.39	

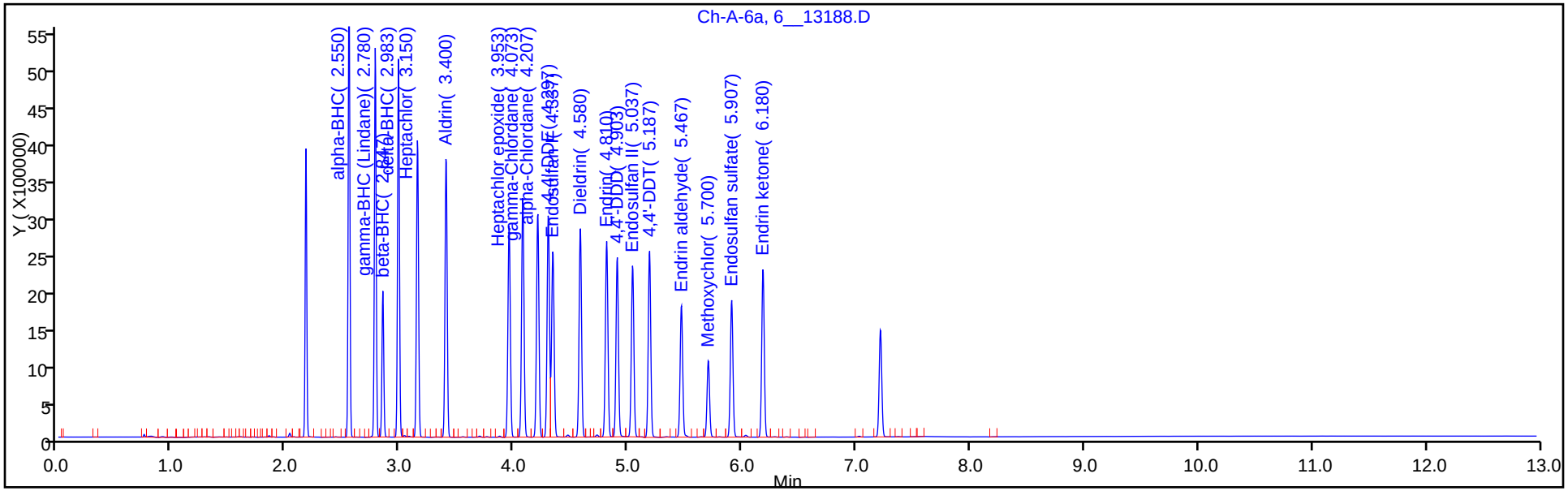
Report Date: 17-Mar-2014 14:42:26 Chrom Revision: 2.1 17-Feb-2014 09:05:58

TestAmerica Buffalo

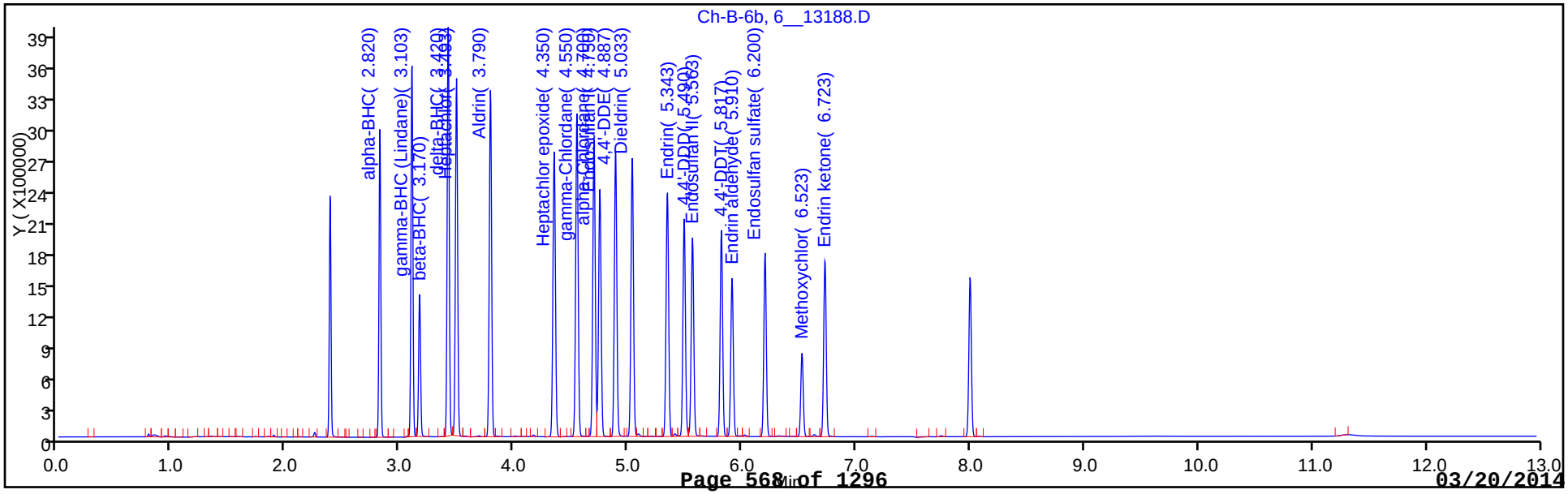
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Injection Date:	14-Mar-2014 17:02:19	Instrument ID:	HP6890-6	Operator ID:	buftchrom
Lims ID:	ccv	Lab Sample ID:		Worklist Smp#:	16
Client ID:					
Injection Vol:	1.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	0
Method:	8081-6	Limit Group:	GC - 8081B ICAL		

Y Scaling: Method Defined: Set to Absolute Y Value



Y Scaling: Method Defined: Set to Absolute Y Value



FORM I
GC SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Buffalo | Job No.: 480-55783-1

SDG No.:

Client Sample ID: | Lab Sample ID: MB 480-169831/1-A

Matrix: Water | Lab File ID: 6__13180.D

Analysis Method: 8081B | Date Collected:

Extraction Method: 3510C | Date Extracted: 03/13/2014 08:50

Sample wt/vol: 250(mL) | Date Analyzed: 03/14/2014 14:41

Con. Extract Vol.: 2(mL) | Dilution Factor: 1

Injection Volume: 1(uL) | GC Column: RTX-CLPII ID: 0.53(mm)

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

Analysis Batch No.: 170073 | Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
72-54-8	4,4'-DDD	ND		0.050	0.0092
72-55-9	4,4'-DDE	ND		0.050	0.012
50-29-3	4,4'-DDT	ND		0.050	0.011
309-00-2	Aldrin	ND		0.050	0.0066
319-84-6	alpha-BHC	ND		0.050	0.0066
5103-71-9	alpha-Chlordane	ND		0.050	0.015
319-85-7	beta-BHC	ND		0.050	0.025
319-86-8	delta-BHC	ND		0.050	0.010
60-57-1	Dieldrin	ND		0.050	0.0098
959-98-8	Endosulfan I	ND		0.050	0.011
33213-65-9	Endosulfan II	ND		0.050	0.012
1031-07-8	Endosulfan sulfate	ND		0.050	0.016
72-20-8	Endrin	ND		0.050	0.014
7421-93-4	Endrin aldehyde	ND		0.050	0.016
53494-70-5	Endrin ketone	ND		0.050	0.012
58-89-9	gamma-BHC (Lindane)	ND		0.050	0.0060
5103-74-2	gamma-Chlordane	ND		0.050	0.011
76-44-8	Heptachlor	ND		0.050	0.0085
1024-57-3	Heptachlor epoxide	ND		0.050	0.0053
72-43-5	Methoxychlor	ND		0.050	0.014
8001-35-2	Toxaphene	ND		0.50	0.12

CAS NO.	SURROGATE	%REC	Q	LIMITS
2051-24-3	DCB Decachlorobiphenyl	61		20-120
877-09-8	Tetrachloro-m-xylene	79		36-120

TestAmerica Buffalo
Target Compound Quantitation Report

Data File: \\Bufchrom\ChromData\HP6890-06\20140314-30173.b\6__13180.D
Lims ID: MB 480-169831/1-A Lab Sample ID: MB 480-169831/1-A
Client ID:
Sample Type: MB
Inject. Date: 14-Mar-2014 14:41:49 ALS Bottle#: 0 Worklist Smp#: 8
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: #: Name:
Misc. Info.: Study: Channel B: I/F Serial#, CN10520010
Operator ID: buftchrom Instrument ID: HP6890-6

Method: \\Bufchrom\ChromData\HP6890-06\20140314-30173.b\8081-6.m
Limit Group: GC - 8081B ICAL
Last Update: 17-Mar-2014 14:42:13 Calib Date: 05-Mar-2014 11:21:20
Integrator: Falcon
Quant Method: External Standard Quant By: Initial Calibration
Last ICal File: \\Bufchrom\ChromData\HP6890-06\20140305-29947.b\6__13088.D

Column 1 : Det: Ch-A-6A58132
Column 2 : Det: Ch-B-6b58132
Process Host: XAWRK035

First Level Reviewer: WolfL Date: 17-Mar-2014 14:33:53

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	On-Col Amt ng/ul	Flags
$ 4 Tetrachloro-m-xylene						
1	2.170	2.180	-0.010	1046126	0.0155	
2	2.380	2.387	-0.007	738058	0.0158	
					RPD = 1.94	
8 beta-BHC						M
1	2.863	2.857	0.006	14094	0.001115	M
2	3.190	3.170	0.020	44835	0.001524	
					RPD = 30.94	
9 delta-BHC						M
1	3.000	2.993	0.007	4065	0.001400	M
2	3.413	3.423	-0.010	13586	0.001142	
					RPD = 20.29	
16 gamma-Chlordane						
1	4.060	4.090	-0.030	175390	0.002931	
2	4.560	4.553	0.007	17582	0.001001	
					RPD = 98.15	
28 4,4'-DDT						
1	5.187	5.200	-0.013	4188	0.001301	
2	5.833	5.820	0.013	3770	0.002404	
					RPD = 59.51	
$ 34 DCB Decachlorobiphenyl						
1	7.207	7.227	-0.020	485158	0.0103	
2	7.990	8.003	-0.013	568269	0.0123	
					RPD = 17.59	
S 1 BHC, Total						
1					0.002515	
2					0.002666	
					RPD = 5.81	

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	On-Col Amt ng/ul	Flags

QC Flag Legend

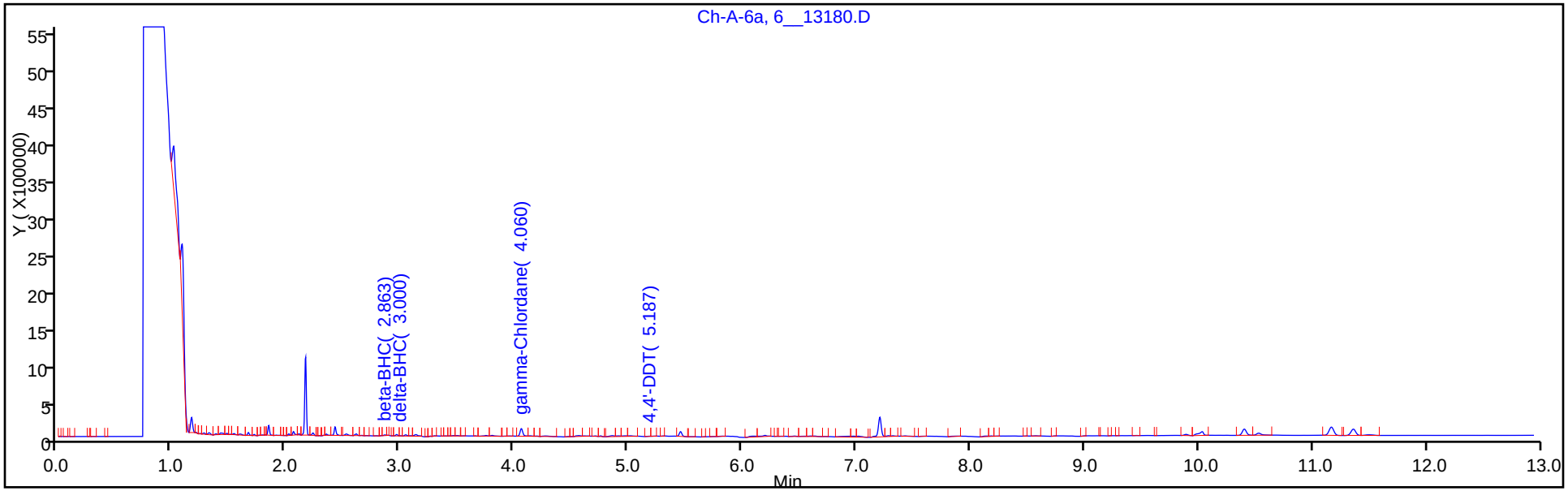
Review Flags
M - Manually Integrated

Report Date: 17-Mar-2014 14:42:15 Chrom Revision: 2.1 17-Feb-2014 09:05:58

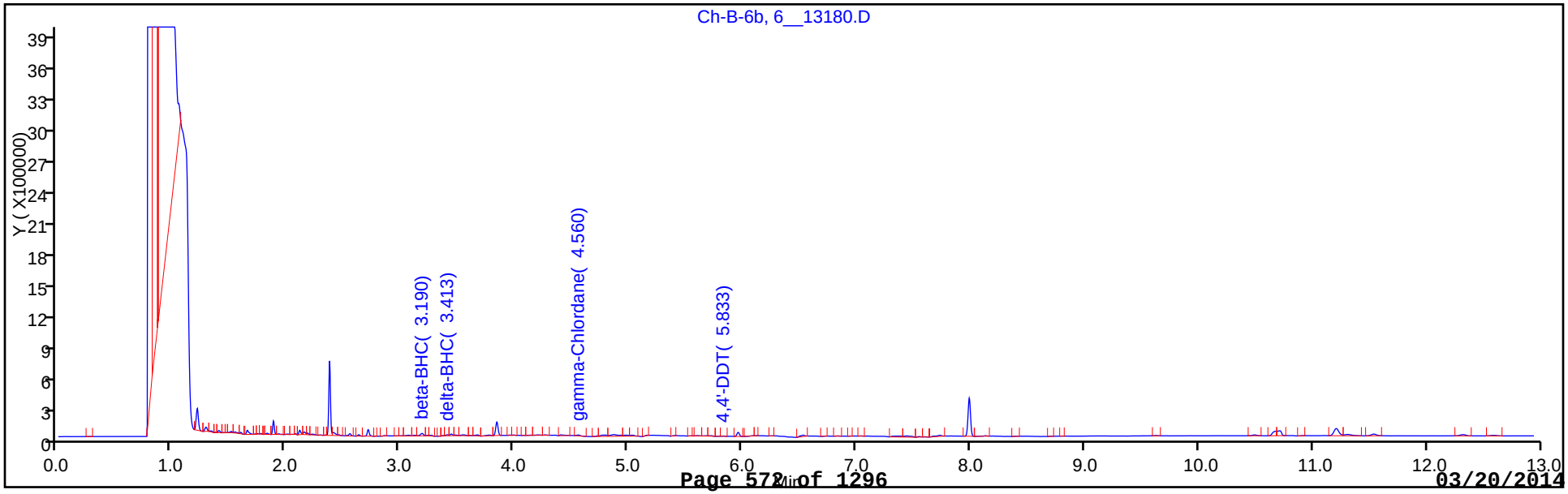
TestAmerica Buffalo

Data File:	\\Bufchrom\ChromData\HP6890-06\20140314-30173.b\6__13180.D				
Injection Date:	14-Mar-2014 14:41:49	Instrument ID:	HP6890-6	Operator ID:	buftchrom
Lims ID:	MB 480-169831/1-A	Lab Sample ID:	MB 480-169831/1-A	Worklist Smp#:	8
Client ID:					
Injection Vol:	1.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	0
Method:	8081-6	Limit Group:	GC - 8081B ICAL		

Y Scaling: Method Defined: Set to Absolute Y Value



Y Scaling: Method Defined: Set to Absolute Y Value



FORM I
GC SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Buffalo | Job No.: 480-55783-1

SDG No.:

Client Sample ID: | Lab Sample ID: LCS 480-169831/2-A

Matrix: Water | Lab File ID: 6__13181.D

Analysis Method: 8081B | Date Collected:

Extraction Method: 3510C | Date Extracted: 03/13/2014 08:50

Sample wt/vol: 250(mL) | Date Analyzed: 03/14/2014 14:59

Con. Extract Vol.: 2(mL) | Dilution Factor: 1

Injection Volume: 1(uL) | GC Column: RTX-CLPII ID: 0.53(mm)

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

Analysis Batch No.: 170073 | Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
72-54-8	4,4'-DDD	0.386		0.050	0.0092
72-55-9	4,4'-DDE	0.418		0.050	0.012
50-29-3	4,4'-DDT	0.377		0.050	0.011
309-00-2	Aldrin	0.396		0.050	0.0066
319-84-6	alpha-BHC	0.371		0.050	0.0066
5103-71-9	alpha-Chlordane	0.260		0.050	0.015
319-85-7	beta-BHC	0.422		0.050	0.025
319-86-8	delta-BHC	0.353		0.050	0.010
60-57-1	Dieldrin	0.443		0.050	0.0098
959-98-8	Endosulfan I	0.356		0.050	0.011
33213-65-9	Endosulfan II	0.421		0.050	0.012
1031-07-8	Endosulfan sulfate	0.458		0.050	0.016
72-20-8	Endrin	0.451		0.050	0.014
7421-93-4	Endrin aldehyde	0.419		0.050	0.016
53494-70-5	Endrin ketone	0.463		0.050	0.012
58-89-9	gamma-BHC (Lindane)	0.396		0.050	0.0060
5103-74-2	gamma-Chlordane	0.370		0.050	0.011
76-44-8	Heptachlor	0.434		0.050	0.0085
1024-57-3	Heptachlor epoxide	0.427		0.050	0.0053
72-43-5	Methoxychlor	0.527		0.050	0.014

CAS NO.	SURROGATE	%REC	Q	LIMITS
2051-24-3	DCB Decachlorobiphenyl	70		20-120
877-09-8	Tetrachloro-m-xylene	82		36-120

TestAmerica Buffalo
Target Compound Quantitation Report

Data File: \\Bufchrom\ChromData\HP6890-06\20140314-30173.b\6__13181.D
Lims ID: LCS 480-169831/2-A Lab Sample ID: LCS 480-169831/2-A
Client ID:
Sample Type: LCS
Inject. Date: 14-Mar-2014 14:59:18 ALS Bottle#: 0 Worklist Smp#: 9
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: #: Name:
Misc. Info.: Study: Channel B: I/F Serial#, CN10520010
Operator ID: buftchrom Instrument ID: HP6890-6

Method: \\Bufchrom\ChromData\HP6890-06\20140314-30173.b\8081-6.m
Limit Group: GC - 8081B ICAL
Last Update: 17-Mar-2014 14:42:13 Calib Date: 05-Mar-2014 11:21:20
Integrator: Falcon
Quant Method: External Standard Quant By: Initial Calibration
Last ICal File: \\Bufchrom\ChromData\HP6890-06\20140305-29947.b\6__13088.D

Column 1 : Det: Ch-A-6A58132
Column 2 : Det: Ch-B-6b58132
Process Host: XAWRK035

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	On-Col Amt ng/ul	Flags
$ 4 Tetrachloro-m-xylene						
1	2.167	2.180	-0.013	1166067	0.0172	
2	2.377	2.387	-0.010	770547	0.0165	
					RPD = 4.18	
6 alpha-BHC						
1	2.543	2.560	-0.017	5576535	0.0460	
2	2.813	2.823	-0.010	2840916	0.0464	
					RPD = 0.99	
7 gamma-BHC (Lindane)						
1	2.773	2.790	-0.017	4990094	0.0467	
2	3.093	3.103	-0.010	3996976	0.0495	
					RPD = 5.87	
8 beta-BHC						
1	2.840	2.857	-0.017	1983720	0.0489	
2	3.160	3.170	-0.010	1705025	0.0528	
					RPD = 7.49	
9 delta-BHC						
1	2.977	2.993	-0.016	5111018	0.0469	
2	3.413	3.423	-0.010	4259111	0.0441	
					RPD = 6.19	
11 Heptachlor						
1	3.143	3.163	-0.020	4826651	0.0535	
2	3.483	3.497	-0.014	4509931	0.0542	
					RPD = 1.23	
12 Aldrin						
1	3.393	3.413	-0.020	4193579	0.0472	
2	3.780	3.793	-0.013	4409020	0.0495	
					RPD = 4.90	

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	On-Col Amt ng/ul	Flags
14 Heptachlor epoxide						
1	3.947	3.967	-0.020	3993319	0.0537	
2	4.340	4.353	-0.013	4135369	0.0534	
					RPD = 0.58	
16 gamma-Chlordane						
1	4.067	4.090	-0.023	3948759	0.0458	
2	4.540	4.553	-0.013	4200510	0.0462	
					RPD = 0.93	
17 alpha-Chlordane						
1	4.197	4.220	-0.023	3860287	0.0472	
2	4.690	4.703	-0.013	2705909	0.0325	
					RPD = 36.88	
18 4,4'-DDE						
1	4.287	4.313	-0.026	3842562	0.0471	
2	4.880	4.893	-0.013	4166799	0.0522	
					RPD = 10.33	
19 Endosulfan I						
1	4.330	4.353	-0.023	3248583	0.0478	
2	4.740	4.753	-0.013	3071565	0.0445	
					RPD = 7.17	
21 Dieldrin						
1	4.570	4.593	-0.023	4073857	0.0530	
2	5.023	5.040	-0.017	4286129	0.0554	
					RPD = 4.39	
23 Endrin						
1	4.800	4.823	-0.023	3358040	0.0473	
2	5.333	5.347	-0.014	3818044	0.0564	
					RPD = 17.47	
24 4,4'-DDD						
1	4.893	4.917	-0.024	3389567	0.0519	
2	5.480	5.497	-0.017	3003387	0.0482	
					RPD = 7.33	
26 Endosulfan II						
1	5.027	5.053	-0.026	3462808	0.0545	
2	5.553	5.567	-0.014	3064023	0.0527	
					RPD = 3.49	
28 4,4'-DDT						
1	5.177	5.200	-0.023	3566685	0.0496	
2	5.807	5.820	-0.013	2756649	0.0471	
					RPD = 5.25	
29 Endrin aldehyde						
1	5.457	5.480	-0.023	2862580	0.0573	
2	5.900	5.913	-0.013	2348792	0.0524	
					RPD = 8.99	
30 Methoxychlor						
1	5.690	5.717	-0.027	1258291	0.0431	
2	6.513	6.530	-0.017	1513363	0.0658	
					RPD = 41.75	

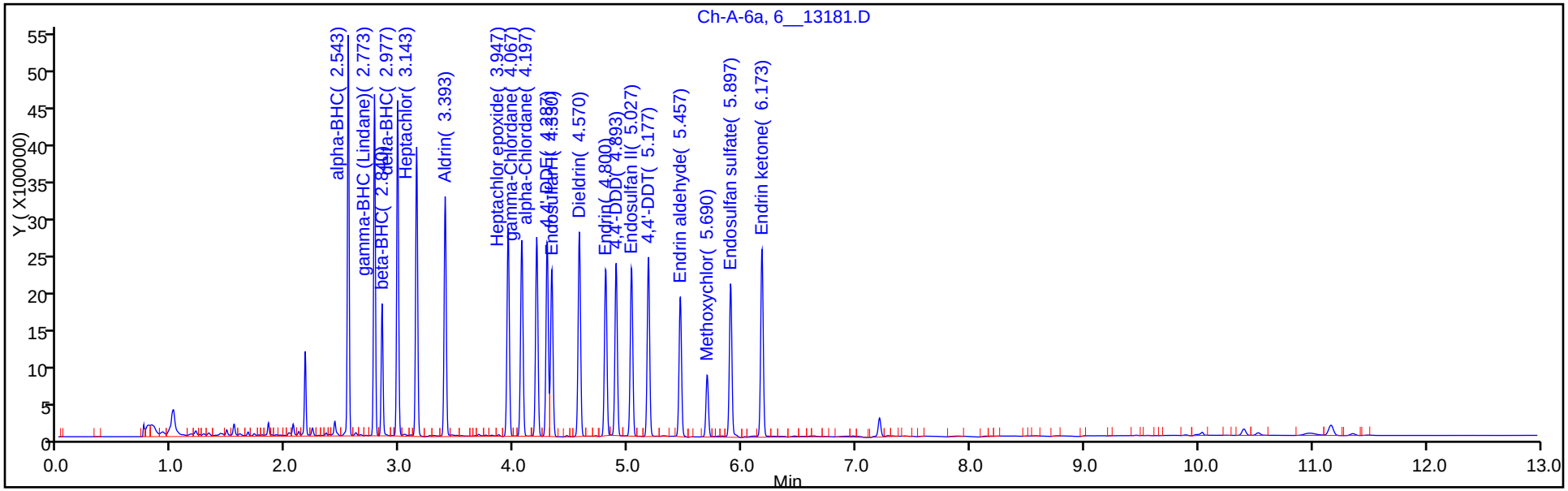
Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	On-Col Amt ng/ul	Flags
32 Endosulfan sulfate						
1	5.897	5.920	-0.023	3243391	0.0594	
2	6.190	6.203	-0.013	2926235	0.0573	
					RPD = 3.74	
33 Endrin ketone						
1	6.173	6.197	-0.024	3941696	0.0609	
2	6.717	6.730	-0.013	3017429	0.0579	
					RPD = 5.16	
$ 34 DCB Decachlorobiphenyl						
1	7.203	7.227	-0.024	454615	0.009647	
2	7.990	8.003	-0.013	647660	0.0140	
					RPD = 36.79	

Report Date: 17-Mar-2014 14:42:17 Chrom Revision: 2.1 17-Feb-2014 09:05:58

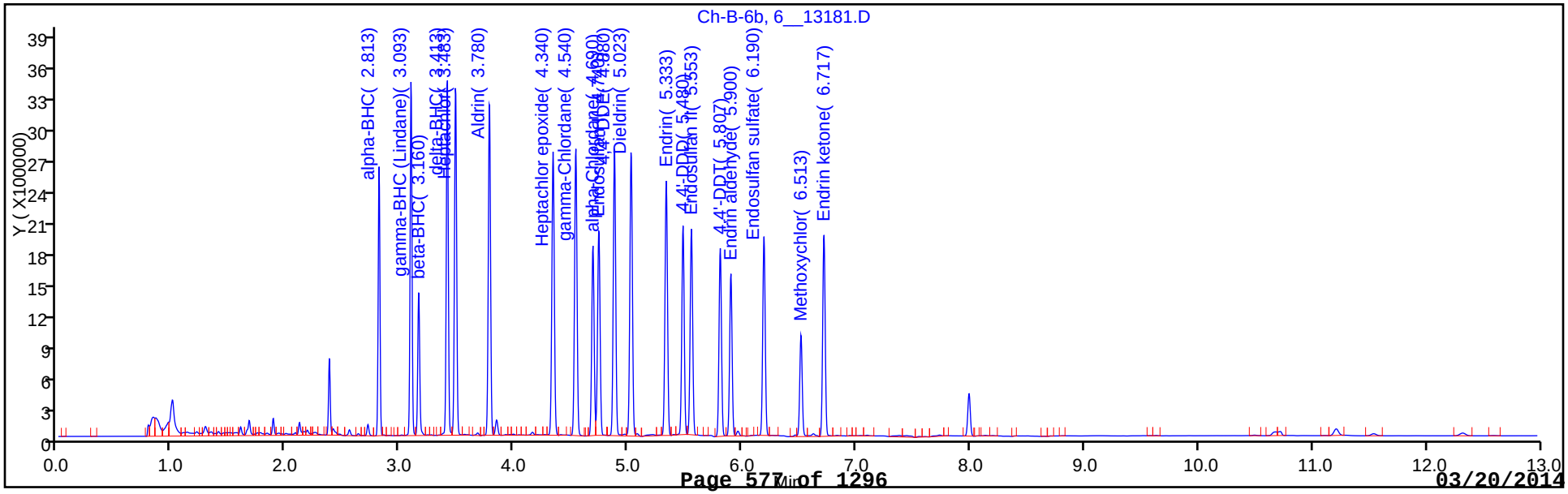
TestAmerica Buffalo

Data File:	\\Bufchrom\ChromData\HP6890-06\20140314-30173.b\6__13181.D				
Injection Date:	14-Mar-2014 14:59:18	Instrument ID:	HP6890-6	Operator ID:	buftchrom
Lims ID:	LCS 480-169831/2-A	Lab Sample ID:	LCS 480-169831/2-A	Worklist Smp#:	9
Client ID:					
Injection Vol:	1.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	0
Method:	8081-6	Limit Group:	GC - 8081B ICAL		

Y Scaling: Method Defined: Set to Absolute Y Value



Y Scaling: Method Defined: Set to Absolute Y Value



GC SEMI VOA ANALYSIS RUN LOG

Lab Name: TestAmerica Buffalo Job No.: 480-55783-1

SDG No.:

Instrument ID: HP6890-6 Start Date: 12/19/2013 12:28

Analysis Batch Number: 158442 End Date: 12/19/2013 20:20

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
STD 480-158442/8 IC		12/19/2013 12:28	1		RTX-CLPI 0.53(mm)
STD 480-158442/8 IC		12/19/2013 12:28	1		RTX-CLPII 0.53(mm)
STD 480-158442/9 IC		12/19/2013 12:45	1		RTX-CLPI 0.53(mm)
STD 480-158442/9 IC		12/19/2013 12:45	1		RTX-CLPII 0.53(mm)
STD 480-158442/10 IC		12/19/2013 13:03	1		RTX-CLPI 0.53(mm)
STD 480-158442/10 IC		12/19/2013 13:03	1		RTX-CLPII 0.53(mm)
STD 480-158442/11 IC		12/19/2013 13:20	1		RTX-CLPI 0.53(mm)
STD 480-158442/11 IC		12/19/2013 13:20	1		RTX-CLPII 0.53(mm)
STD 480-158442/12 IC		12/19/2013 13:38	1		RTX-CLPI 0.53(mm)
STD 480-158442/12 IC		12/19/2013 13:38	1		RTX-CLPII 0.53(mm)
ICV 480-158442/13		12/19/2013 14:27	1		RTX-CLPI 0.53(mm)
ICV 480-158442/13		12/19/2013 14:27	1		RTX-CLPII 0.53(mm)
STD 480-158442/14 IC		12/19/2013 15:22	1		RTX-CLPI 0.53(mm)
STD 480-158442/14 IC		12/19/2013 15:22	1		RTX-CLPII 0.53(mm)
STD 480-158442/15 IC		12/19/2013 15:40	1		RTX-CLPI 0.53(mm)
STD 480-158442/15 IC		12/19/2013 15:40	1		RTX-CLPII 0.53(mm)
STD 480-158442/16 IC		12/19/2013 15:57	1		RTX-CLPI 0.53(mm)
STD 480-158442/16 IC		12/19/2013 15:57	1		RTX-CLPII 0.53(mm)
STD 480-158442/17 IC		12/19/2013 16:15	1		RTX-CLPI 0.53(mm)
STD 480-158442/17 IC		12/19/2013 16:15	1		RTX-CLPII 0.53(mm)
STD 480-158442/18 IC		12/19/2013 16:32	1		RTX-CLPI 0.53(mm)
STD 480-158442/18 IC		12/19/2013 16:32	1		RTX-CLPII 0.53(mm)
ICV 480-158442/19		12/19/2013 16:50	1		RTX-CLPI 0.53(mm)
ICV 480-158442/19		12/19/2013 16:50	1		RTX-CLPII 0.53(mm)
STD 480-158442/20 IC		12/19/2013 17:07	1		RTX-CLPI 0.53(mm)
STD 480-158442/20 IC		12/19/2013 17:07	1	6__9035.D	RTX-CLPII 0.53(mm)
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STD 480-158442/21 IC		12/19/2013 17:25	1	6__9036.D	RTX-CLPII 0.53(mm)
STD 480-158442/22 IC		12/19/2013 17:42	1		RTX-CLPI 0.53(mm)
STD 480-158442/22 IC		12/19/2013 17:42	1	6__9037.D	RTX-CLPII 0.53(mm)
STD 480-158442/23 IC		12/19/2013 18:00	1		RTX-CLPI 0.53(mm)
STD 480-158442/23 IC		12/19/2013 18:00	1	6__9038.D	RTX-CLPII 0.53(mm)
STD 480-158442/24 IC		12/19/2013 18:17	1		RTX-CLPI 0.53(mm)
STD 480-158442/24 IC		12/19/2013 18:17	1	6__9039.D	RTX-CLPII 0.53(mm)
ICV 480-158442/25		12/19/2013 18:35	1		RTX-CLPI 0.53(mm)
ICV 480-158442/25		12/19/2013 18:35	1		RTX-CLPII 0.53(mm)
STD 480-158442/26 IC		12/19/2013 18:52	1		RTX-CLPI 0.53(mm)
STD 480-158442/26 IC		12/19/2013 18:52	1		RTX-CLPII 0.53(mm)
STD 480-158442/27 IC		12/19/2013 19:10	1		RTX-CLPI 0.53(mm)
STD 480-158442/27 IC		12/19/2013 19:10	1		RTX-CLPII 0.53(mm)
STD 480-158442/28 IC		12/19/2013 19:27	1		RTX-CLPI 0.53(mm)
STD 480-158442/28 IC		12/19/2013 19:27	1		RTX-CLPII 0.53(mm)
STD 480-158442/29 IC		12/19/2013 19:45	1		RTX-CLPI 0.53(mm)
STD 480-158442/29 IC		12/19/2013 19:45	1		RTX-CLPII 0.53(mm)
STD 480-158442/30 IC		12/19/2013 20:02	1		RTX-CLPI 0.53(mm)

GC SEMI VOA ANALYSIS RUN LOG

Lab Name: TestAmerica Buffalo Job No.: 480-55783-1

SDG No.:

Instrument ID: HP6890-6 Start Date: 12/19/2013 12:28

Analysis Batch Number: 158442 End Date: 12/19/2013 20:20

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
STD 480-158442/30 IC		12/19/2013 20:02	1		RTX-CLPII 0.53(mm)
ICV 480-158442/31		12/19/2013 20:20	1		RTX-CLPI 0.53(mm)
ICV 480-158442/31		12/19/2013 20:20	1		RTX-CLPII 0.53(mm)

GC SEMI VOA ANALYSIS RUN LOG

Lab Name: TestAmerica Buffalo Job No.: 480-55783-1

SDG No.:

Instrument ID: HP6890-6 Start Date: 03/05/2014 10:04

Analysis Batch Number: 168616 End Date: 03/05/2014 11:21

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
STD 480-168616/5 IC		03/05/2014 10:04	1		RTX-CLPI 0.53(mm)
STD 480-168616/5 IC		03/05/2014 10:04	1	6__13084.D	RTX-CLPII 0.53(mm)
STD 480-168616/6 IC		03/05/2014 10:22	1		RTX-CLPI 0.53(mm)
STD 480-168616/6 IC		03/05/2014 10:22	1	6__13085.D	RTX-CLPII 0.53(mm)
STD 480-168616/7 IC		03/05/2014 10:39	1		RTX-CLPI 0.53(mm)
STD 480-168616/7 IC		03/05/2014 10:39	1	6__13086.D	RTX-CLPII 0.53(mm)
STD 480-168616/8 IC		03/05/2014 10:57	1		RTX-CLPI 0.53(mm)
STD 480-168616/8 IC		03/05/2014 10:57	1	6__13087.D	RTX-CLPII 0.53(mm)
STD 480-168616/9 IC		03/05/2014 11:21	1		RTX-CLPI 0.53(mm)
STD 480-168616/9 IC		03/05/2014 11:21	1	6__13088.D	RTX-CLPII 0.53(mm)

GC SEMI VOA ANALYSIS RUN LOG

Lab Name: TestAmerica Buffalo Job No.: 480-55783-1

SDG No.:

Instrument ID: HP6890-6 Start Date: 03/14/2014 12:41

Analysis Batch Number: 170073 End Date: 03/14/2014 18:30

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
PEM 480-170073/6		03/14/2014 12:41	1	6__13178.D	RTX-CLPI 0.53(mm)
PEM 480-170073/6		03/14/2014 12:41	1	6__13178.D	RTX-CLPII 0.53(mm)
CCV 480-170073/7		03/14/2014 14:24	1		RTX-CLPI 0.53(mm)
CCV 480-170073/7		03/14/2014 14:24	1	6__13179.D	RTX-CLPII 0.53(mm)
ZZZZZ		03/14/2014 14:41	1		RTX-CLPI 0.53(mm)
MB 480-169831/1-A		03/14/2014 14:41	1	6__13180.D	RTX-CLPII 0.53(mm)
ZZZZZ		03/14/2014 14:59	1		RTX-CLPI 0.53(mm)
LCS 480-169831/2-A		03/14/2014 14:59	1	6__13181.D	RTX-CLPII 0.53(mm)
ZZZZZ		03/14/2014 15:16	1		RTX-CLPI 0.53(mm)
480-55783-1	MW-P	03/14/2014 15:16	1	6__13182.D	RTX-CLPII 0.53(mm)
ZZZZZ		03/14/2014 15:34	1		RTX-CLPI 0.53(mm)
480-55783-2	MW-3	03/14/2014 15:34	1	6__13183.D	RTX-CLPII 0.53(mm)
ZZZZZ		03/14/2014 15:52	5		RTX-CLPI 0.53(mm)
480-55880-2	MW-4	03/14/2014 15:52	5	6__13184.D	RTX-CLPII 0.53(mm)
ZZZZZ		03/14/2014 16:09	5		RTX-CLPI 0.53(mm)
480-55880-1	MW-1	03/14/2014 16:09	5	6__13185.D	RTX-CLPII 0.53(mm)
ZZZZZ		03/14/2014 16:27	1		RTX-CLPI 0.53(mm)
480-55880-3	MW-5	03/14/2014 16:27	1	6__13186.D	RTX-CLPII 0.53(mm)
CCV 480-170073/15		03/14/2014 16:44	1		RTX-CLPI 0.53(mm)
CCV 480-170073/15		03/14/2014 16:44	1	6__13187.D	RTX-CLPII 0.53(mm)
CCV 480-170073/16		03/14/2014 17:02	1		RTX-CLPI 0.53(mm)
CCV 480-170073/16		03/14/2014 17:02	1	6__13188.D	RTX-CLPII 0.53(mm)
ZZZZZ		03/14/2014 17:19	1		RTX-CLPI 0.53(mm)
ZZZZZ		03/14/2014 17:19	1		RTX-CLPII 0.53(mm)
ZZZZZ		03/14/2014 17:37	1		RTX-CLPI 0.53(mm)
ZZZZZ		03/14/2014 17:37	1		RTX-CLPII 0.53(mm)
ZZZZZ		03/14/2014 17:55	1		RTX-CLPI 0.53(mm)
ZZZZZ		03/14/2014 17:55	1		RTX-CLPII 0.53(mm)
CCV 480-170073/20		03/14/2014 18:12	1		RTX-CLPI 0.53(mm)
CCV 480-170073/20		03/14/2014 18:12	1		RTX-CLPII 0.53(mm)
CCV 480-170073/21		03/14/2014 18:30	1		RTX-CLPI 0.53(mm)
CCV 480-170073/21		03/14/2014 18:30	1		RTX-CLPII 0.53(mm)

GC SEMI VOA BATCH WORKSHEET

Lab Name: TestAmerica Buffalo Job No.: 480-55783-1

SDG No.:

Batch Number: 169831 Batch Start Date: 03/13/14 08:49 Batch Analyst: Gentner, Taylor R

Batch Method: 3510C Batch End Date:

Lab Sample ID	Client Sample ID	Method Chain	Basis	ReceivedpH	GrossWeight	TareWeight	InitialAmount	FinalAmount	O_PCBLLsurr 00017
MB 480-169831/1		3510C, 8081B		7 SU			250 mL	2 mL	1 mL
LCS 480-169831/2		3510C, 8081B		7 SU			250 mL	2 mL	1 mL
480-55783-F-1	MW-P	3510C, 8081B	T	5 SU	000433.4 g	000180.3 g	253.1 mL	2 mL	1 mL
480-55783-D-2	MW-3	3510C, 8081B	T	5 SU	000436.4 g	000178.8 g	257.6 mL	2 mL	1 mL
480-55880-C-2	MW-4	3510C, 8081B	T	6 SU	000430.4 g	000180.1 g	250.3 mL	2 mL	1 mL
480-55880-H-1	MW-1	3510C, 8081B	T	5 SU	000429.2 g	000179.2 g	250 mL	2 mL	1 mL
480-55880-F-3	MW-5	3510C, 8081B	T	5 SU	000415.2 g	000178.1 g	237.1 mL	2 mL	1 mL

Lab Sample ID	Client Sample ID	Method Chain	Basis	O8081LVIspike 00006					
MB 480-169831/1		3510C, 8081B							
LCS 480-169831/2		3510C, 8081B		1 mL					
480-55783-F-1	MW-P	3510C, 8081B	T						
480-55783-D-2	MW-3	3510C, 8081B	T						
480-55880-C-2	MW-4	3510C, 8081B	T						
480-55880-H-1	MW-1	3510C, 8081B	T						
480-55880-F-3	MW-5	3510C, 8081B	T						

The pound sign (#) in the amount added field denotes that the reagent was used undiluted. All calculations are performed using the stated concentration for this reagent.

GC SEMI VOA BATCH WORKSHEET

Lab Name: TestAmerica Buffalo Job No.: 480-55783-1

SDG No.:

Batch Number: 169831 Batch Start Date: 03/13/14 08:49 Batch Analyst: Gentner, Taylor R

Batch Method: 3510C Batch End Date:

Batch Notes	
Balance ID	14552245
Person's name who did the concentration	MRB MZ
Exchange Solvent Lot #	0000064483
Exchange Solvent Name	Hexane
Final Concentrator Volume	1 mL
Na2SO4 Lot Number	27864001
Prep Solvent Lot #	0000067137
Prep Solvent Name	MeCl2
Prep Solvent Volume Used	60 mL
Person's name who did the prep	MRB MZ
Person's name who witnessed reagent drop	TG
Person who performed Spike	TG
Person who witnessed spiking	TG
Sufficient volume for MS/MSD?	Yes

Basis	Basis Description
T	Total/NA

The pound sign (#) in the amount added field denotes that the reagent was used undiluted. All calculations are performed using the stated concentration for this reagent.

Method 8082A

Polychlorinated Biphenyls (PCBs) (GC) by Method 8082A

FORM II
PCBS SURROGATE RECOVERY

Lab Name: TestAmerica Buffalo Job No.: 480-55783-1

SDG No.:

Matrix: Water Level: Low

GC Column (2): ZB-35 ID: 0.53 (mm)

Client Sample ID	Lab Sample ID	TCX2 #	DCB2 #
MW-P	480-55783-1	89	70
MW-3	480-55783-2	83	69
MW-1	480-55880-1	94	55
MW-4	480-55880-2	92	68
MW-5	480-55880-3	93	74
	MB 480-169813/1-A	89	81
	LCS 480-169813/2-A	89	82

	QC LIMITS
TCX = Tetrachloro-m-xylene	23-127
DCB = DCB Decachlorobiphenyl	19-126

Column to be used to flag recovery values

FORM II 8082A

FORM III
PCBS LAB CONTROL SAMPLE RECOVERY

Lab Name: TestAmerica Buffalo Job No.: 480-55783-1

SDG No.:

Matrix: Water Level: Low Lab File ID: 12_279_120.D

Lab ID: LCS 480-169813/2-A Client ID:

COMPOUND	SPIKE ADDED (ug/L)	LCS CONCENTRATION (ug/L)	LCS % REC	QC LIMITS REC	#
PCB-1016	4.00	3.50	87	51-137	
PCB-1260	4.00	3.58	89	45-139	

Column to be used to flag recovery and RPD values

FORM III 8082A

FORM IV
PCBS METHOD BLANK SUMMARY

Lab Name: TestAmerica Buffalo Job No.: 480-55783-1

SDG No.:

Lab Sample ID: MB 480-169813/1-A

Matrix: Water Date Extracted: 03/13/2014 07:05

Lab File ID:(1) Lab File ID:(2) 12_279_119.D

Date Analyzed:(1) Date Analyzed:(2) 03/14/2014 10:54

Instrument ID:(1) Instrument ID:(2) HP5890-12

GC Column:(1) ID: 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 480-169813/2-A		03/14/2014 11:08
MW-1	480-55880-1		03/14/2014 12:07
MW-4	480-55880-2		03/14/2014 12:22
MW-5	480-55880-3		03/14/2014 12:37
MW-P	480-55783-1		03/14/2014 16:19
MW-3	480-55783-2		03/14/2014 16:34

FORM X
IDENTIFICATION SUMMARY

Lab Name: TestAmerica Buffalo Job No.: 480-55783-1

SDG No.:

Client Sample ID: Lab Sample ID: LCS 480-169813/2-A

Instrument ID (1): Instrument ID (2): HP5890-12

Date Analyzed (1): Date Analyzed (2): 03/14/2014 11:08

GC Column (1): ID: GC Column (2): ZB-35 ID: 0.53(mm)

ANALYTE	COL	PEAK	RT	RT WINDOW		CONCENTRATION		
				FROM	TO	PEAK	MEAN	
PCB-1016	2	1	2.27	2.24	2.30	3.44	3.50	
		2	2.38	2.35	2.41	3.51		
		3	2.73	2.70	2.76	3.38		
		4	2.82	2.79	2.85	3.66		
PCB-1260	2	1	4.34	4.31	4.37	3.56	3.58	
		2	4.41	4.38	4.44	3.39		
		3	4.49	4.46	4.52	3.60		
		4	4.80	4.77	4.83	3.77		

FORM I
PCBS ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Buffalo | Job No.: 480-55783-1

SDG No.:

Client Sample ID: MW-P | Lab Sample ID: 480-55783-1

Matrix: Water | Lab File ID: 12_279_141.D

Analysis Method: 8082A | Date Collected: 03/10/2014 14:05

Extraction Method: 3510C | Date Extracted: 03/13/2014 07:05

Sample wt/vol: 251.9(mL) | Date Analyzed: 03/14/2014 16:19

Con. Extract Vol.: 2(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.: 170037 | Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
12674-11-2	PCB-1016	ND		0.50	0.17
11104-28-2	PCB-1221	ND		0.50	0.17
11141-16-5	PCB-1232	ND		0.50	0.17
53469-21-9	PCB-1242	ND		0.50	0.17
12672-29-6	PCB-1248	ND		0.50	0.17
11097-69-1	PCB-1254	ND		0.50	0.25
11096-82-5	PCB-1260	ND		0.50	0.25

CAS NO.	SURROGATE	%REC	Q	LIMITS
877-09-8	Tetrachloro-m-xylene	89		23-127
2051-24-3	DCB Decachlorobiphenyl	70		19-126

TestAmerica Buffalo
Target Compound Quantitation Report

Data File: \\Bufchrom\ChromData\HP5890-12\20140314-30160.b\12_279_141.D
Lims ID: 480-55783-E-1-A Lab Sample ID: 480-55783-1
Client ID: MW-P
Sample Type: Client
Inject. Date: 14-Mar-2014 16:19:22 ALS Bottle#: 0 Worklist Smp#: 53
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info:
Operator ID: buftchrom Instrument ID: HP5890-12

Method: \\Bufchrom\ChromData\HP5890-12\20140314-30160.b\hp12_pcb.m
Limit Group: GC - 8082A PCB ICAL
Last Update: 17-Mar-2014 07:00:44 Calib Date: 05-Mar-2014 12:39:00
Integrator: Falcon
Quant Method: External Standard Quant By: Initial Calibration
Last ICal File: \\Bufchrom\ChromData\HP5890-12\20140304-29925.b\12_278_050.D

Column 1 : ZB-5 (0.25 mm) Det: Ch-A-7A136
Column 2 : ZB-35 (0.53 mm) Det: Ch-B-7b136
Process Host: XAWRK018

First Level Reviewer: michalej Date: 17-Mar-2014 07:00:44

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	On-Col Amt ng/uL	Flags
$ 3 Tetrachloro-m-xylene						
1	2.043	2.041	0.002	63961	0.0163	
2	1.358	1.356	0.002	37418	0.0177	
					RPD = 8.35	
$ 12 DCB Decachlorobiphenyl						
1	6.945	6.945	0.0	58242	0.0146	
2	5.693	5.691	0.002	41777	0.0140	
					RPD = 4.42	

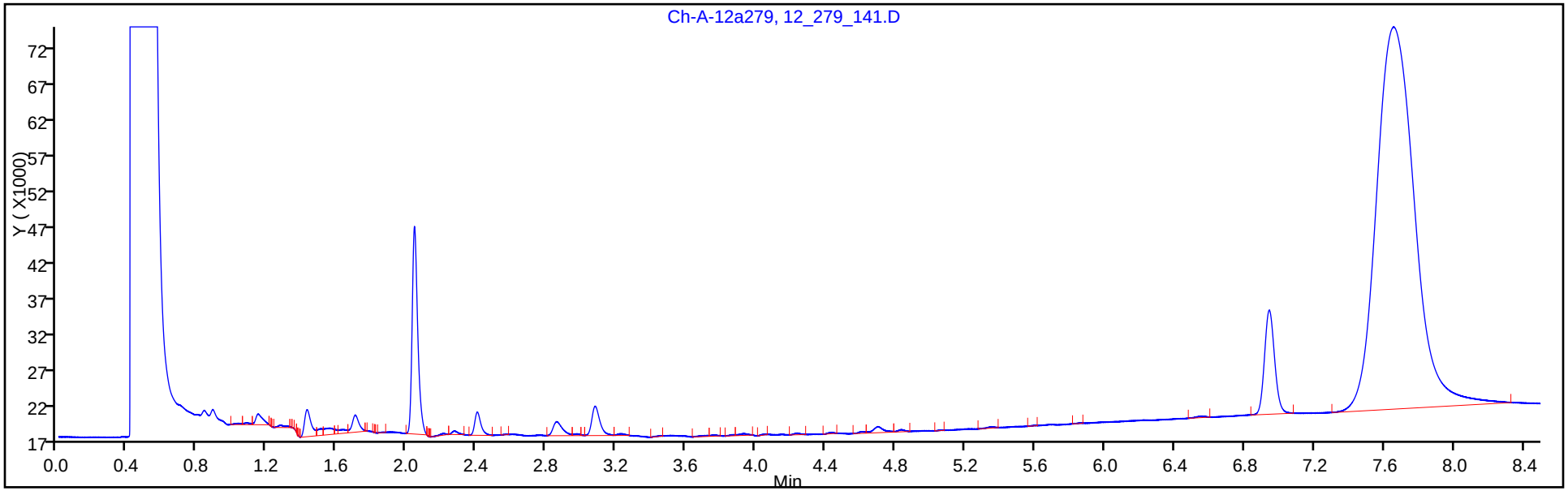
Report Date: 17-Mar-2014 07:00:44 Chrom Revision: 2.1 17-Feb-2014 09:05:58

TestAmerica Buffalo

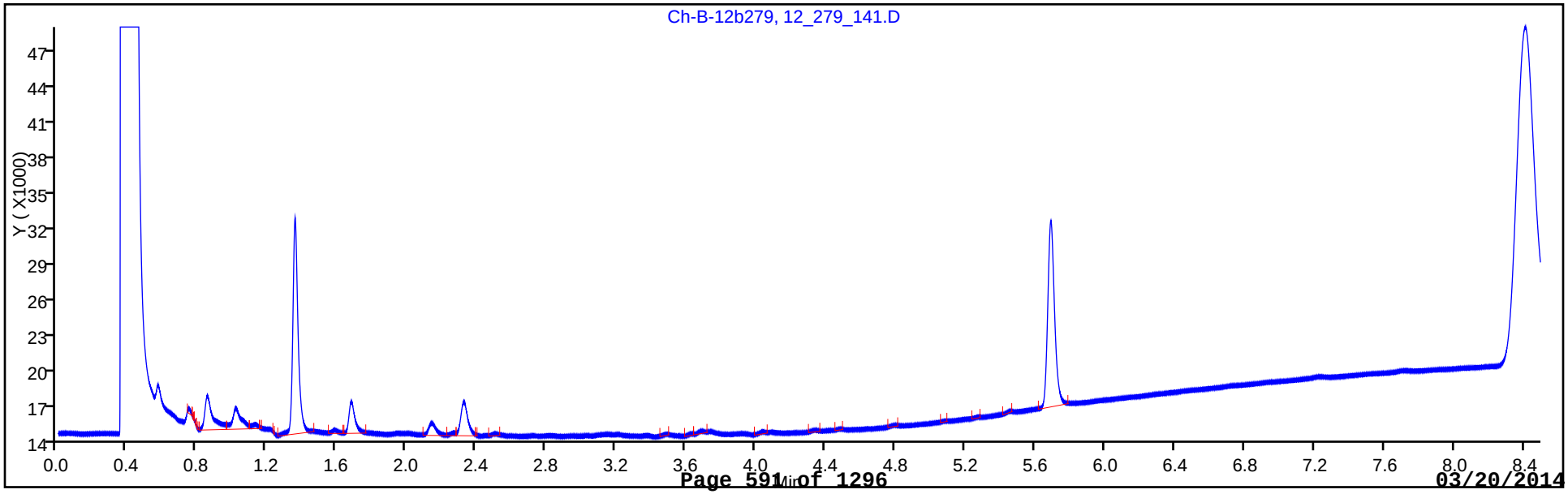
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Injection Date:	14-Mar-2014 16:19:22	Instrument ID:	HP5890-12	Operator ID:	buftchrom
Lims ID:	480-55783-E-1-A	Lab Sample ID:	480-55783-1	Worklist Smp#:	53
Client ID:	MW-P				
Injection Vol:	1.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	0
Method:	hp12_pcb	Limit Group:	GC - 8082A PCB ICAL		

Column: ZB-5 (0.25 mm)



Column: ZB-35 (0.53 mm)



FORM I
PCBS ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Buffalo | Job No.: 480-55783-1

SDG No.:

Client Sample ID: MW-3 | Lab Sample ID: 480-55783-2

Matrix: Water | Lab File ID: 12_279_142.D

Analysis Method: 8082A | Date Collected: 03/10/2014 15:00

Extraction Method: 3510C | Date Extracted: 03/13/2014 07:05

Sample wt/vol: 267(mL) | Date Analyzed: 03/14/2014 16:34

Con. Extract Vol.: 2(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.: 170037 | Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
12674-11-2	PCB-1016	ND		0.47	0.16
11104-28-2	PCB-1221	ND		0.47	0.16
11141-16-5	PCB-1232	ND		0.47	0.16
53469-21-9	PCB-1242	ND		0.47	0.16
12672-29-6	PCB-1248	ND		0.47	0.16
11097-69-1	PCB-1254	ND		0.47	0.23
11096-82-5	PCB-1260	ND		0.47	0.23

CAS NO.	SURROGATE	%REC	Q	LIMITS
877-09-8	Tetrachloro-m-xylene	83		23-127
2051-24-3	DCB Decachlorobiphenyl	69		19-126

TestAmerica Buffalo
Target Compound Quantitation Report

Data File: \\Bufchrom\ChromData\HP5890-12\20140314-30160.b\12_279_142.D
Lims ID: 480-55783-E-2-A Lab Sample ID: 480-55783-2
Client ID: MW-3
Sample Type: Client
Inject. Date: 14-Mar-2014 16:34:08 ALS Bottle#: 0 Worklist Smp#: 54
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info:
Operator ID: buftchrom Instrument ID: HP5890-12

Method: \\Bufchrom\ChromData\HP5890-12\20140314-30160.b\hp12_pcb.m
Limit Group: GC - 8082A PCB ICAL
Last Update: 17-Mar-2014 07:00:51 Calib Date: 05-Mar-2014 12:39:00
Integrator: Falcon
Quant Method: External Standard Quant By: Initial Calibration
Last ICal File: \\Bufchrom\ChromData\HP5890-12\20140304-29925.b\12_278_050.D

Column 1 : ZB-5 (0.25 mm) Det: Ch-A-7A136
Column 2 : ZB-35 (0.53 mm) Det: Ch-B-7b136
Process Host: XAWRK018

First Level Reviewer: michalej Date: 17-Mar-2014 07:00:51

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	On-Col Amt ng/uL	Flags
$ 3 Tetrachloro-m-xylene						
1	2.043	2.041	0.002	60904	0.0155	
2	1.358	1.356	0.002	35070	0.0166	
					RPD = 6.77	
$ 12 DCB Decachlorobiphenyl						
1	6.945	6.945	0.0	57400	0.0144	
2	5.692	5.691	0.001	41051	0.0137	
					RPD = 4.71	

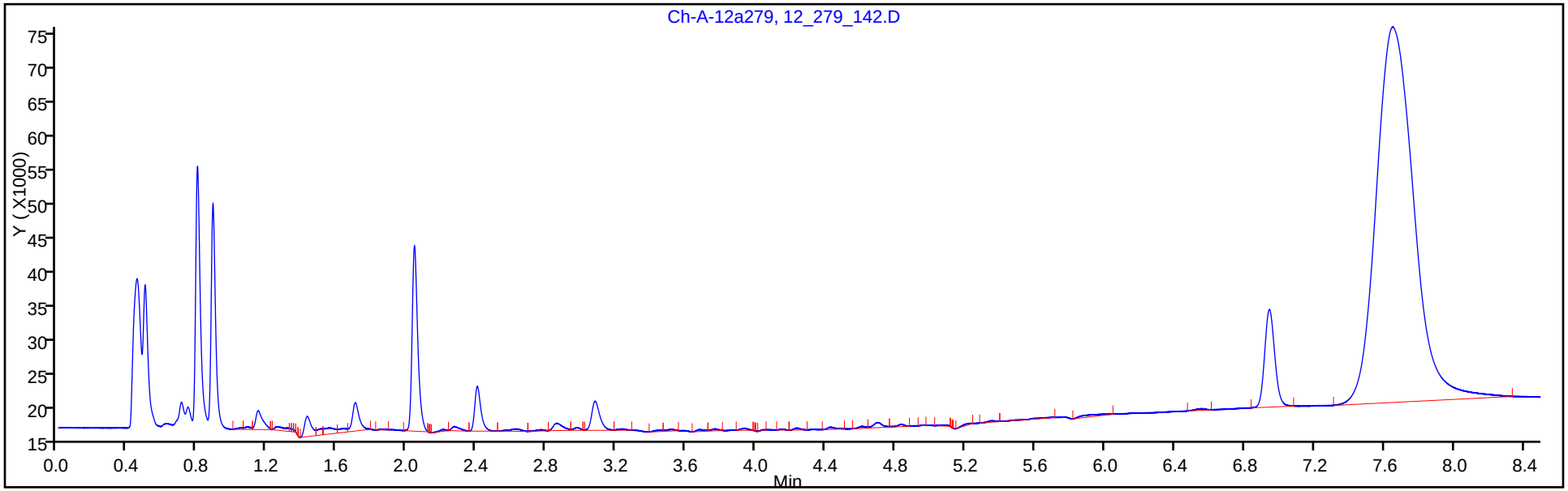
Report Date: 17-Mar-2014 07:00:52 Chrom Revision: 2.1 17-Feb-2014 09:05:58

TestAmerica Buffalo

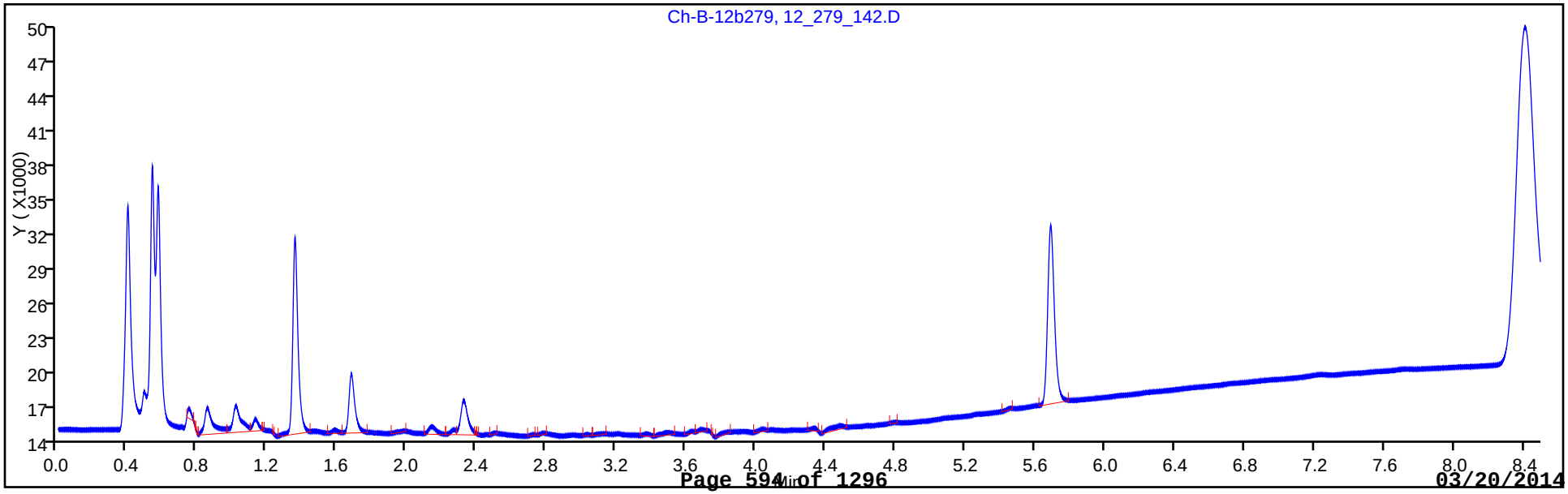
Data File: \\Bufchrom\ChromData\HP5890-12\20140314-30160.b\12_279_142.D

Injection Date:	14-Mar-2014 16:34:08	Instrument ID:	HP5890-12	Operator ID:	buftchrom
Lims ID:	480-55783-E-2-A	Lab Sample ID:	480-55783-2	Worklist Smp#:	54
Client ID:	MW-3				
Injection Vol:	1.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	0
Method:	hp12_pcb	Limit Group:	GC - 8082A PCB ICAL		

Column: ZB-5 (0.25 mm)



Column: ZB-35 (0.53 mm)



FORM I
PCBS ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Buffalo | Job No.: 480-55783-1

SDG No.:

Client Sample ID: MW-1 | Lab Sample ID: 480-55880-1

Matrix: Water | Lab File ID: 12_279_124.D

Analysis Method: 8082A | Date Collected: 03/11/2014 15:20

Extraction Method: 3510C | Date Extracted: 03/13/2014 07:05

Sample wt/vol: 255(mL) | Date Analyzed: 03/14/2014 12:07

Con. Extract Vol.: 2(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.: 170037 | Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
12674-11-2	PCB-1016	ND		0.49	0.17
11104-28-2	PCB-1221	ND		0.49	0.17
11141-16-5	PCB-1232	ND		0.49	0.17
53469-21-9	PCB-1242	ND		0.49	0.17
12672-29-6	PCB-1248	ND		0.49	0.17
11097-69-1	PCB-1254	ND		0.49	0.25
11096-82-5	PCB-1260	ND		0.49	0.25

CAS NO.	SURROGATE	%REC	Q	LIMITS
877-09-8	Tetrachloro-m-xylene	94		23-127
2051-24-3	DCB Decachlorobiphenyl	55		19-126

TestAmerica Buffalo
Target Compound Quantitation Report

Data File: \\Bufchrom\ChromData\HP5890-12\20140314-30160.b\12_279_124.D
Lims ID: 480-55880-C-1-A Lab Sample ID: 480-55880-1
Client ID: MW-1
Sample Type: Client
Inject. Date: 14-Mar-2014 12:07:59 ALS Bottle#: 0 Worklist Smp#: 36
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info:
Operator ID: buftchrom Instrument ID: HP5890-12

Method: \\Bufchrom\ChromData\HP5890-12\20140314-30160.b\hp12_pcb.m
Limit Group: GC - 8082A PCB ICAL
Last Update: 17-Mar-2014 06:59:09 Calib Date: 05-Mar-2014 12:39:00
Integrator: Falcon
Quant Method: External Standard Quant By: Initial Calibration
Last ICal File: \\Bufchrom\ChromData\HP5890-12\20140304-29925.b\12_278_050.D

Column 1 : ZB-5 (0.25 mm) Det: Ch-A-7A136
Column 2 : ZB-35 (0.53 mm) Det: Ch-B-7b136
Process Host: XAWRK018

First Level Reviewer: michalej Date: 17-Mar-2014 06:59:12

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	On-Col Amt ng/uL	Flags
$ 3 Tetrachloro-m-xylene						
1	2.043	2.041	0.002	68752	0.0175	
2	1.358	1.356	0.002	39592	0.0188	
					RPD = 6.78	
$ 12 DCB Decachlorobiphenyl						
1	6.946	6.945	0.001	44413	0.0111	
2	5.693	5.691	0.002	33058	0.0111	
					RPD = 0.72	

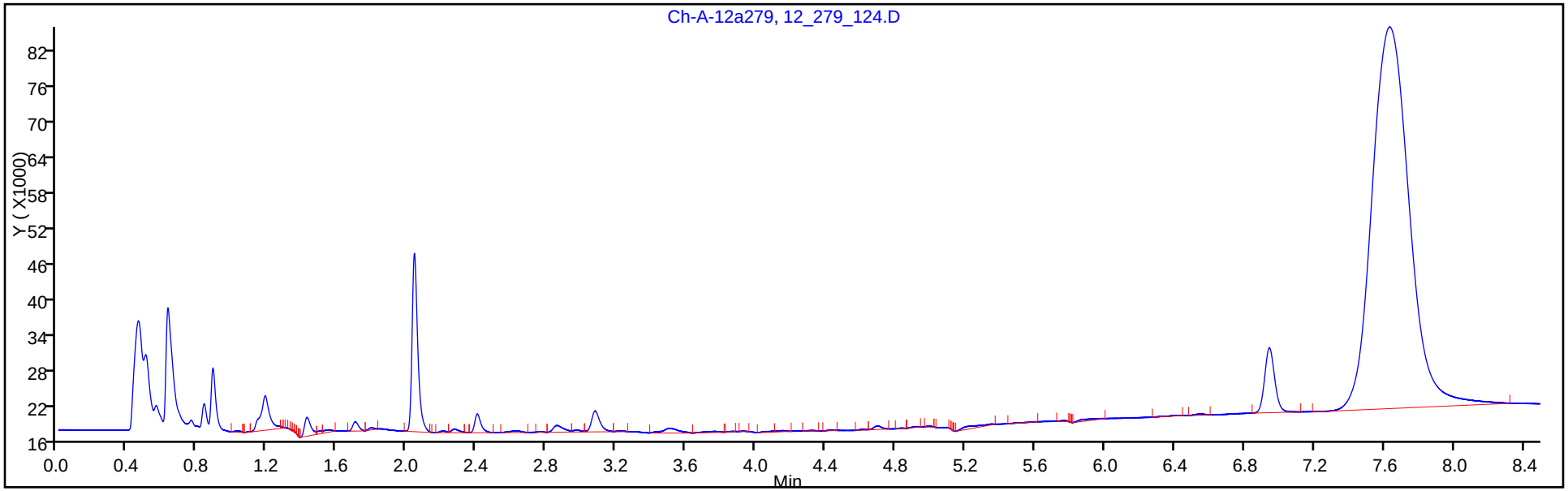
Report Date: 17-Mar-2014 06:59:13 Chrom Revision: 2.1 17-Feb-2014 09:05:58

TestAmerica Buffalo

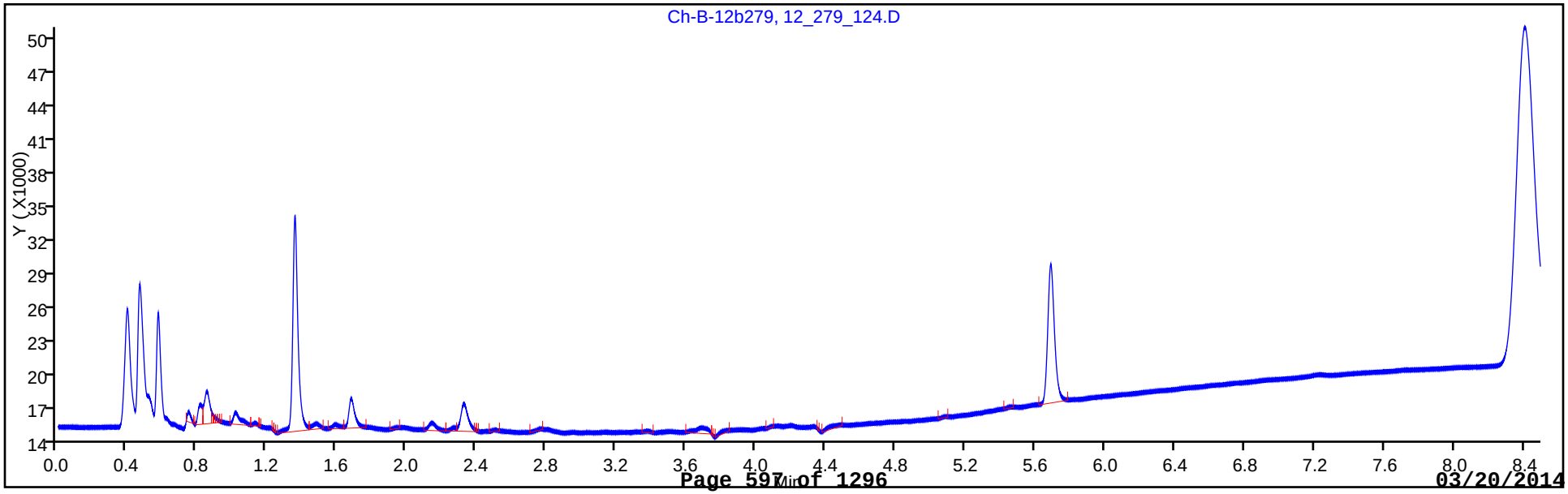
Data File: \\Bufchrom\ChromData\HP5890-12\20140314-30160.b\12_279_124.D

Injection Date:	14-Mar-2014 12:07:59	Instrument ID:	HP5890-12	Operator ID:	buftchrom
Lims ID:	480-55880-C-1-A	Lab Sample ID:	480-55880-1	Worklist Smp#:	36
Client ID:	MW-1				
Injection Vol:	1.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	0
Method:	hp12_pcb	Limit Group:	GC - 8082A PCB ICAL		

Column: ZB-5 (0.25 mm)



Column: ZB-35 (0.53 mm)



FORM I
PCBS ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Buffalo | Job No.: 480-55783-1

SDG No.:

Client Sample ID: MW-4 | Lab Sample ID: 480-55880-2

Matrix: Water | Lab File ID: 12_279_125.D

Analysis Method: 8082A | Date Collected: 03/11/2014 14:35

Extraction Method: 3510C | Date Extracted: 03/13/2014 07:05

Sample wt/vol: 240.5(mL) | Date Analyzed: 03/14/2014 12:22

Con. Extract Vol.: 2(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.: 170037 | Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
12674-11-2	PCB-1016	ND		0.52	0.18
11104-28-2	PCB-1221	ND		0.52	0.18
11141-16-5	PCB-1232	ND		0.52	0.18
53469-21-9	PCB-1242	ND		0.52	0.18
12672-29-6	PCB-1248	ND		0.52	0.18
11097-69-1	PCB-1254	ND		0.52	0.26
11096-82-5	PCB-1260	ND		0.52	0.26

CAS NO.	SURROGATE	%REC	Q	LIMITS
877-09-8	Tetrachloro-m-xylene	92		23-127
2051-24-3	DCB Decachlorobiphenyl	68		19-126

TestAmerica Buffalo
Target Compound Quantitation Report

Data File: \\Bufchrom\ChromData\HP5890-12\20140314-30160.b\12_279_125.D
Lims ID: 480-55880-D-2-A Lab Sample ID: 480-55880-2
Client ID: MW-4
Sample Type: Client
Inject. Date: 14-Mar-2014 12:22:46 ALS Bottle#: 0 Worklist Smp#: 37
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info:
Operator ID: buftchrom Instrument ID: HP5890-12

Method: \\Bufchrom\ChromData\HP5890-12\20140314-30160.b\hp12_pcb.m
Limit Group: GC - 8082A PCB ICAL
Last Update: 17-Mar-2014 06:59:24 Calib Date: 05-Mar-2014 12:39:00
Integrator: Falcon
Quant Method: External Standard Quant By: Initial Calibration
Last ICal File: \\Bufchrom\ChromData\HP5890-12\20140304-29925.b\12_278_050.D

Column 1 : ZB-5 (0.25 mm) Det: Ch-A-7A136
Column 2 : ZB-35 (0.53 mm) Det: Ch-B-7b136
Process Host: XAWRK018

First Level Reviewer: michalej Date: 17-Mar-2014 06:59:24

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	On-Col Amt ng/uL	Flags
$ 3 Tetrachloro-m-xylene						
1	2.043	2.041	0.002	67408	0.0172	
2	1.357	1.356	0.001	38683	0.0183	
					RPD = 6.43	
8 PCB-1254						
1	4.153	4.157	-0.004	2433	0.0118	
1	4.236	4.237	-0.001	3542	0.0136	
1	4.353	4.343	0.010	513	0.007338	
1	4.434	4.435	-0.001	4048	0.0152	
		Average of Peak Amounts =			0.0120	
2	0.0	3.420	-3.420	0	0	
2	3.491	3.502	-0.011	2886	0.0151	
2	3.629	3.639	-0.010	2126	0.0122	
2	3.773	3.758	0.015	24	0.000324	
		Average of Peak Amounts =			0.009211	
					RPD = 26.15	
$ 12 DCB Decachlorobiphenyl						
1	6.946	6.945	0.001	55957	0.0140	
2	5.693	5.691	0.002	40900	0.0137	
					RPD = 2.54	

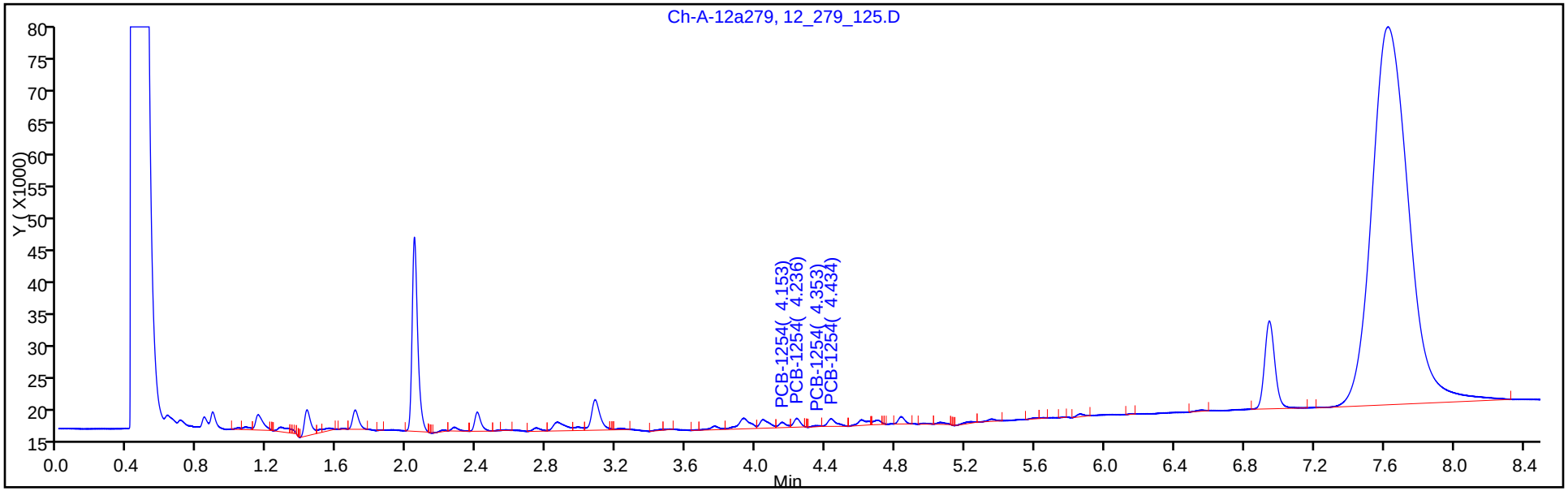
Report Date: 17-Mar-2014 06:59:25 Chrom Revision: 2.1 17-Feb-2014 09:05:58

TestAmerica Buffalo

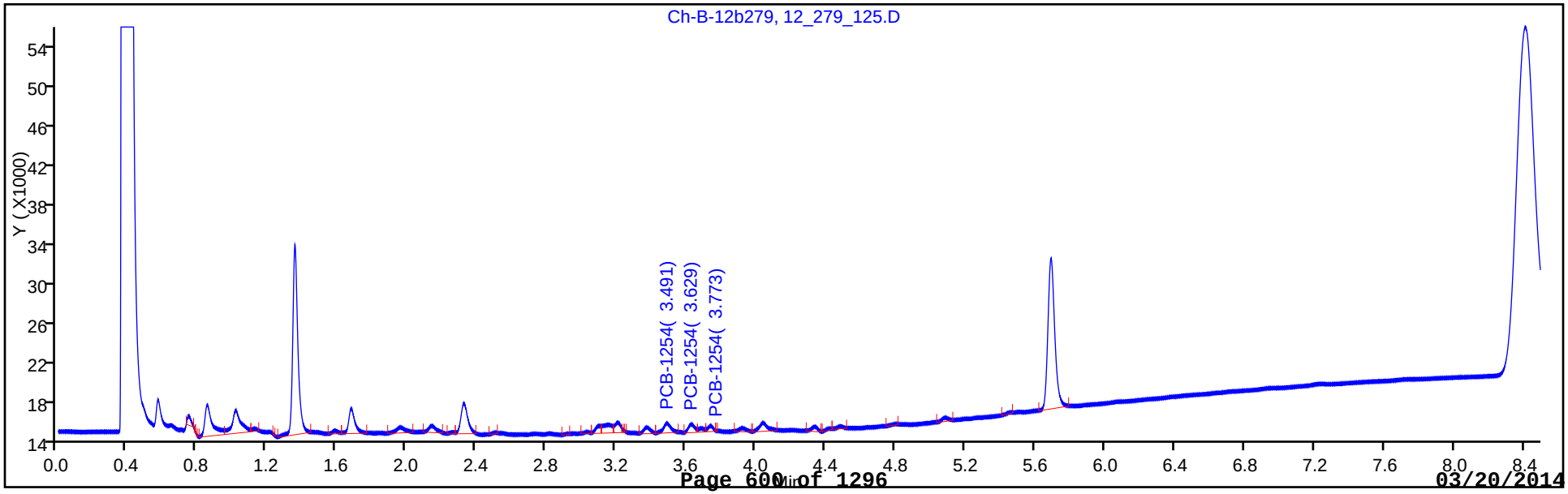
Data File: \\Bufchrom\ChromData\HP5890-12\20140314-30160.b\12_279_125.D

Injection Date:	14-Mar-2014 12:22:46	Instrument ID:	HP5890-12	Operator ID:	buftchrom
Lims ID:	480-55880-D-2-A	Lab Sample ID:	480-55880-2	Worklist Smp#:	37
Client ID:	MW-4				
Injection Vol:	1.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	0
Method:	hp12_pcb	Limit Group:	GC - 8082A PCB ICAL		

Column: ZB-5 (0.25 mm)



Column: ZB-35 (0.53 mm)



Report Date: 17-Mar-2014 06:59:25 Chrom Revision: 2.1 17-Feb-2014 09:05:58

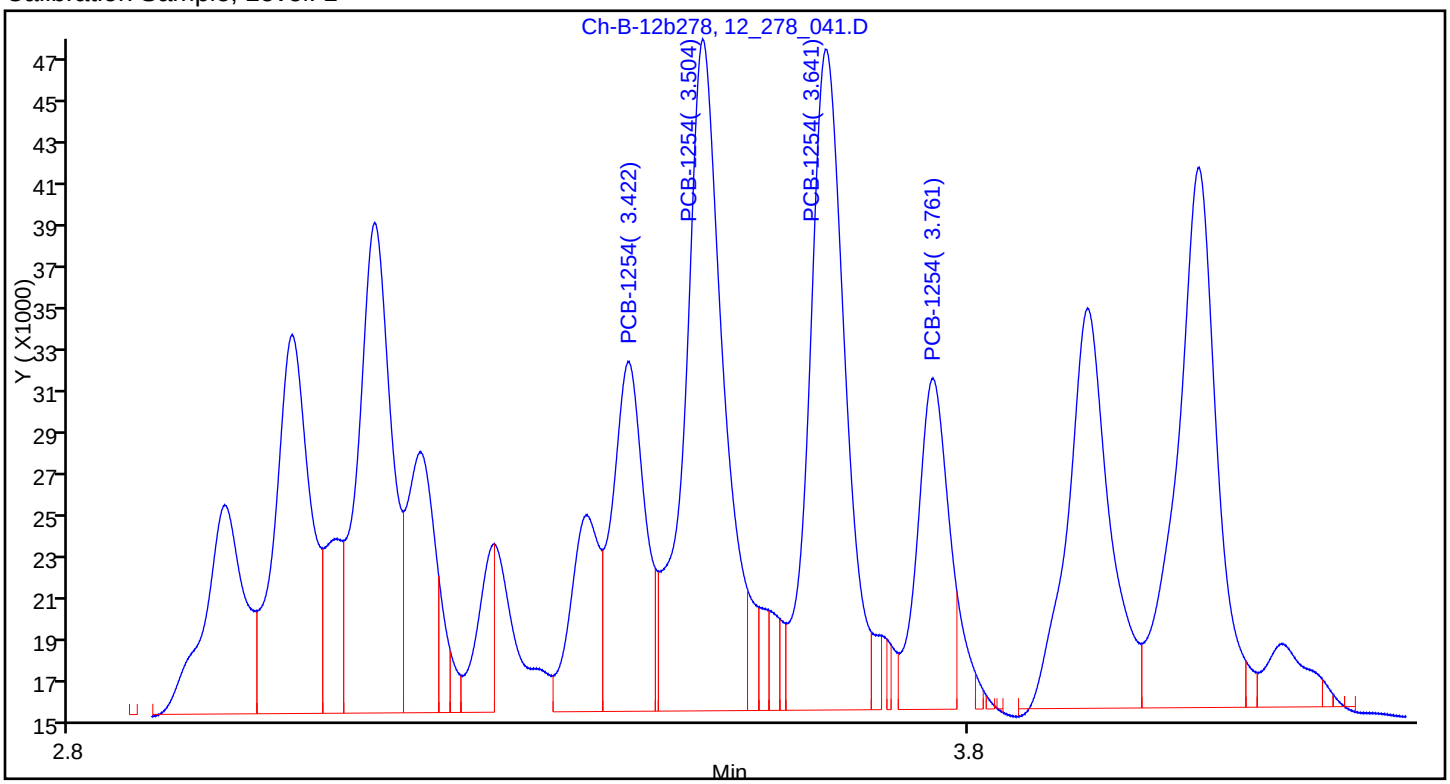
TestAmerica Buffalo

Data File: \\Bufchrom\ChromData\HP5890-12\20140314-30160.b\12_279_125.D

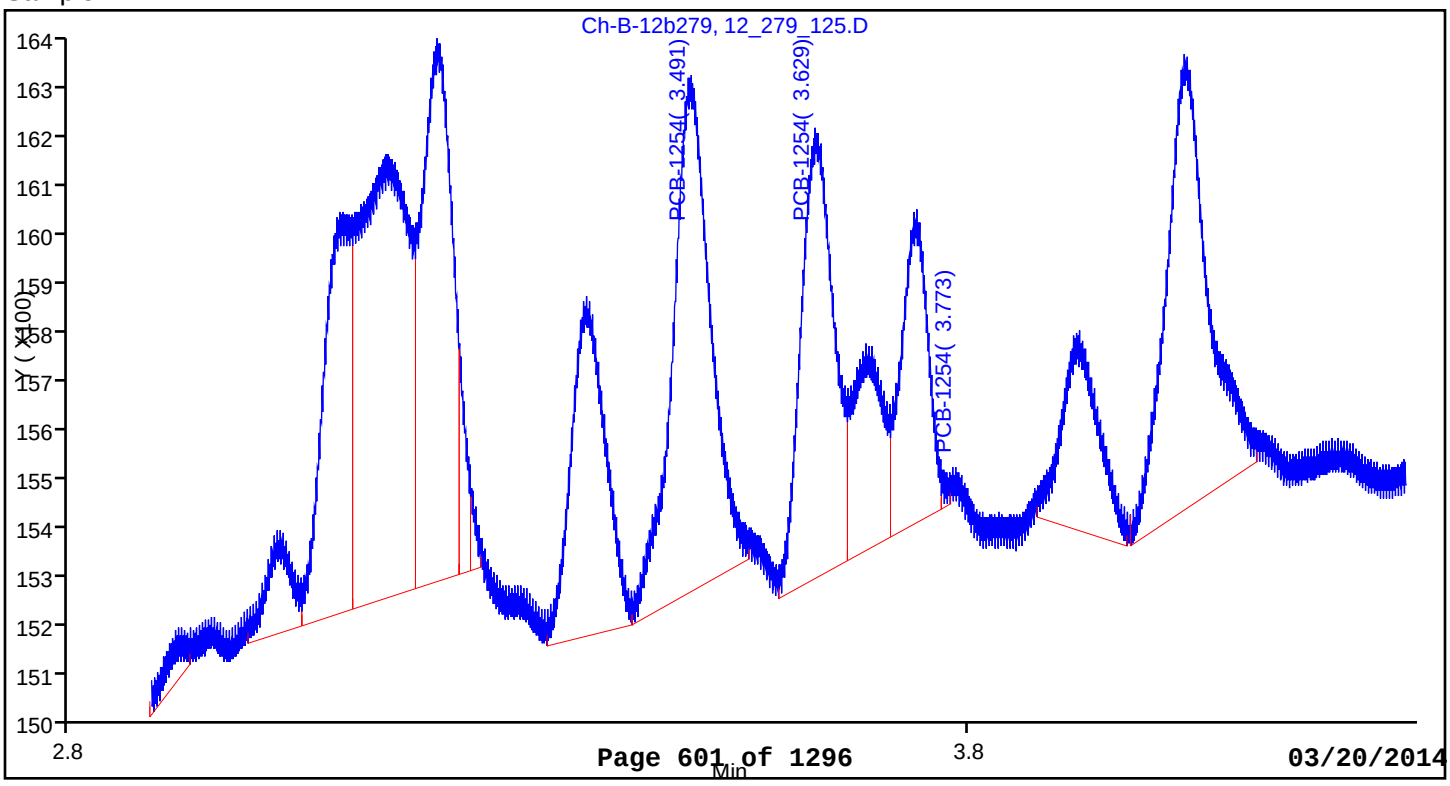
Injection Date:	14-Mar-2014 12:22:46	Instrument ID:	HP5890-12		
Lims ID:	480-55880-D-2-A	Lab Sample ID:	480-55880-2		
Client ID:	MW-4				
Operator ID:	buftchrom	ALS Bottle#:	0	Worklist Smp#:	37
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	hp12_pcb	Limit Group:	GC - 8082A PCB ICAL		
Column:	ZB-35 (0.53 mm)	Detector	Ch-B-7b136		

8 PCB-1254, CAS: 11097-69-1

Calibration Sample, Level: 1



Sample



FORM I
PCBS ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Buffalo | Job No.: 480-55783-1

SDG No.:

Client Sample ID: MW-5 | Lab Sample ID: 480-55880-3

Matrix: Water | Lab File ID: 12_279_126.D

Analysis Method: 8082A | Date Collected: 03/11/2014 13:50

Extraction Method: 3510C | Date Extracted: 03/13/2014 07:05

Sample wt/vol: 249.3(mL) | Date Analyzed: 03/14/2014 12:37

Con. Extract Vol.: 2(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.: 170037 | Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
12674-11-2	PCB-1016	ND		0.50	0.18
11104-28-2	PCB-1221	ND		0.50	0.18
11141-16-5	PCB-1232	ND		0.50	0.18
53469-21-9	PCB-1242	ND		0.50	0.18
12672-29-6	PCB-1248	ND		0.50	0.18
11097-69-1	PCB-1254	ND		0.50	0.25
11096-82-5	PCB-1260	ND		0.50	0.25

CAS NO.	SURROGATE	%REC	Q	LIMITS
877-09-8	Tetrachloro-m-xylene	93		23-127
2051-24-3	DCB Decachlorobiphenyl	74		19-126

TestAmerica Buffalo
Target Compound Quantitation Report

Data File: \\Bufchrom\ChromData\HP5890-12\20140314-30160.b\12_279_126.D
Lims ID: 480-55880-C-3-A Lab Sample ID: 480-55880-3
Client ID: MW-5
Sample Type: Client
Inject. Date: 14-Mar-2014 12:37:33 ALS Bottle#: 0 Worklist Smp#: 38
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info:
Operator ID: buftchrom Instrument ID: HP5890-12

Method: \\Bufchrom\ChromData\HP5890-12\20140314-30160.b\hp12_pcb.m
Limit Group: GC - 8082A PCB ICAL
Last Update: 17-Mar-2014 06:59:32 Calib Date: 05-Mar-2014 12:39:00
Integrator: Falcon
Quant Method: External Standard Quant By: Initial Calibration
Last ICal File: \\Bufchrom\ChromData\HP5890-12\20140304-29925.b\12_278_050.D

Column 1 : ZB-5 (0.25 mm) Det: Ch-A-7A136
Column 2 : ZB-35 (0.53 mm) Det: Ch-B-7b136
Process Host: XAWRK018

First Level Reviewer: michalej Date: 17-Mar-2014 06:59:32

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	On-Col Amt ng/uL	Flags
$ 3 Tetrachloro-m-xylene						
1	2.043	2.041	0.002	69043	0.0176	
2	1.357	1.356	0.001	39100	0.0185	
					RPD = 5.11	
$ 12 DCB Decachlorobiphenyl						
1	6.946	6.945	0.001	61193	0.0154	
2	5.693	5.691	0.002	44297	0.0148	
					RPD = 3.50	

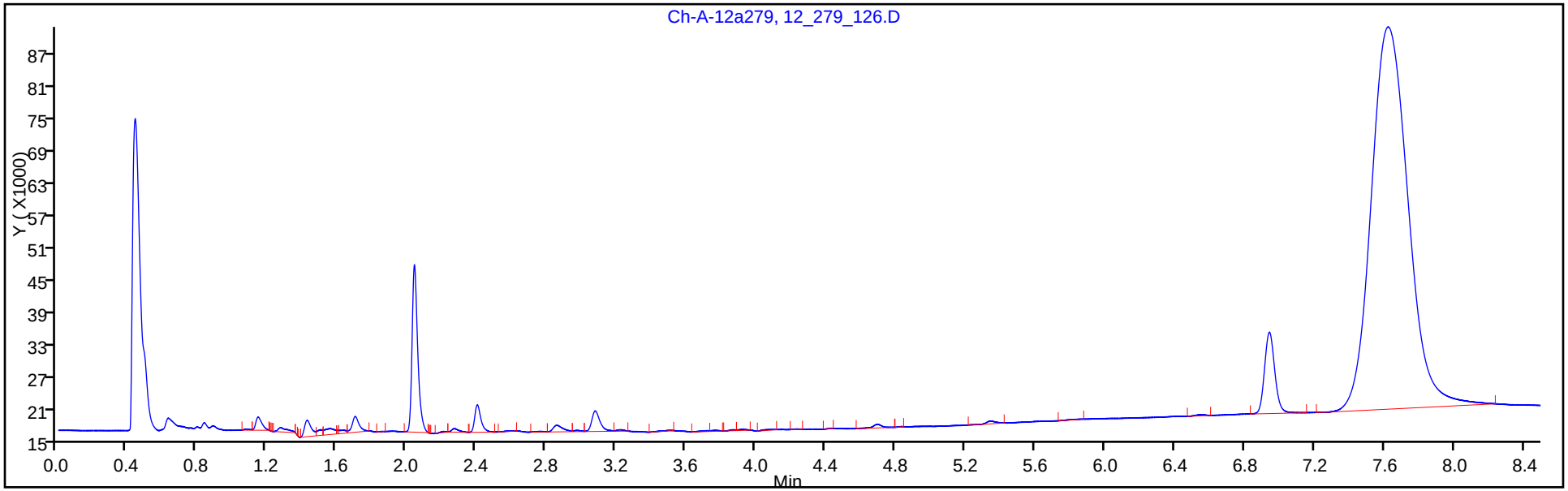
Report Date: 17-Mar-2014 06:59:32 Chrom Revision: 2.1 17-Feb-2014 09:05:58

TestAmerica Buffalo

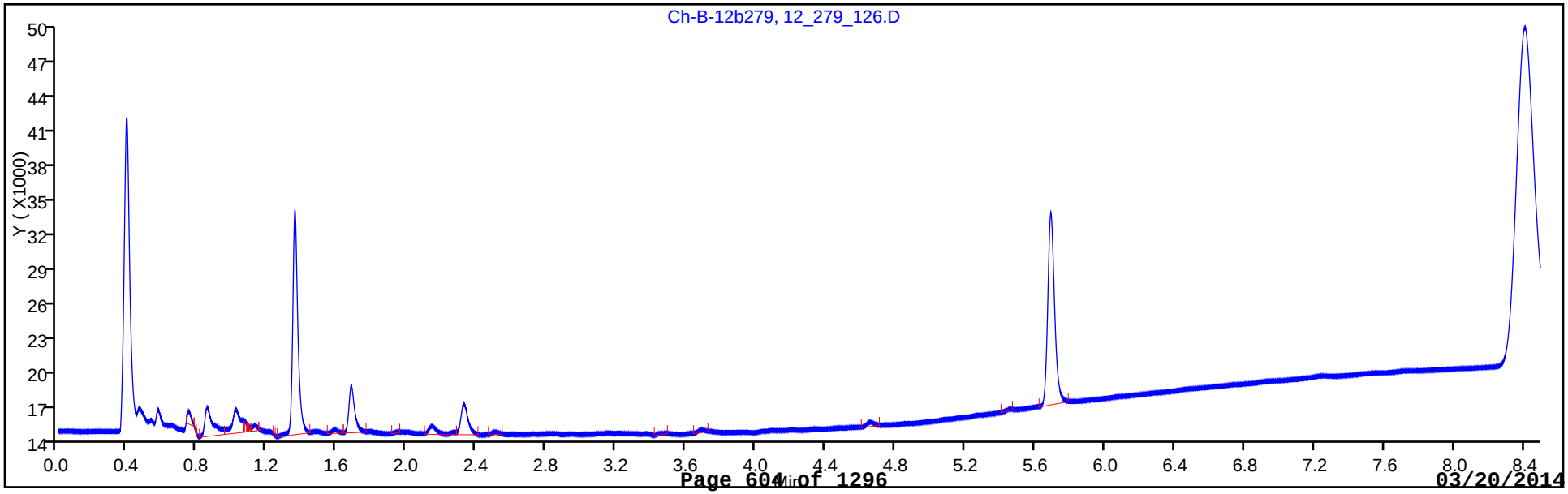
Data File: \\Bufchrom\ChromData\HP5890-12\20140314-30160.b\12_279_126.D

Injection Date:	14-Mar-2014 12:37:33	Instrument ID:	HP5890-12	Operator ID:	buftchrom
Lims ID:	480-55880-C-3-A	Lab Sample ID:	480-55880-3	Worklist Smp#:	38
Client ID:	MW-5				
Injection Vol:	1.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	0
Method:	hp12_pcb	Limit Group:	GC - 8082A PCB ICAL		

Column: ZB-5 (0.25 mm)



Column: ZB-35 (0.53 mm)



FORM VI
PCBS INITIAL CALIBRATION DATA
EXTERNAL STANDARD RETENTION TIME SUMMARY

Lab Name: TestAmerica Buffalo Job No.: 480-55783-1 Analy Batch No.: 168468

SDG No.:

Instrument ID: HP5890-12 GC Column: ZB-35 ID: 0.53(mm) Heated Purge: (Y/N) N

Calibration Start Date: 03/04/2014 12:15 Calibration End Date: 03/04/2014 13:43 Calibration ID: 17642

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	STD1 480-168468/2	12_278_025.D
Level 2	STD2 480-168468/3	12_278_026.D
Level 3	STD3 480-168468/4	12_278_027.D
Level 4	STD4 480-168468/5	12_278_028.D
Level 5	STD5 480-168468/6	12_278_029.D
Level 6	STD6 480-168468/7	12_278_030.D
Level 7	STD7 480-168468/8	12_278_031.D

ANALYTE	LVL 1	LVL 2	LVL 3	LVL 4	LVL 5	LVL 6	LVL 7				RT WINDOW	AVG RT
PCB-1016 Peak 1	2.281	2.281	2.281	2.281	2.281	2.279	2.279				2.251 - 2.311	2.280
PCB-1016 Peak 2	2.385	2.385	2.387	2.387	2.385	2.385	2.385				2.355 - 2.415	2.386
PCB-1016 Peak 3	2.738	2.737	2.739	2.739	2.739	2.738	2.737				2.709 - 2.769	2.738
PCB-1016 Peak 4	2.833	2.831	2.832	2.830	2.832	2.831	2.830				2.802 - 2.862	2.831
PCB-1260 Peak 1	4.361	4.358	4.359	4.359	4.358	4.357	4.355				4.328 - 4.388	4.358
PCB-1260 Peak 2	4.429	4.428	4.431	4.429	4.429	4.427	4.426				4.399 - 4.459	4.428
PCB-1260 Peak 3	4.504	4.503	4.503	4.503	4.501	4.501	4.499				4.471 - 4.531	4.502
PCB-1260 Peak 4	4.819	4.819	4.817	4.817	4.817	4.817	4.815				4.787 - 4.847	4.817
Tetrachloro-m-xylene	+++++	+++++	1.361	1.361	1.360	1.360	1.359				1.330 - 1.390	1.360
DCB Decachlorobiphenyl	+++++	+++++	5.710	5.709	5.711	5.710	5.708				5.681 - 5.741	5.710

FORM VI
PCBS INITIAL CALIBRATION DATA
EXTERNAL STANDARD CURVE EVALUATION

Lab Name: TestAmerica Buffalo Job No.: 480-55783-1 Analy Batch No.: 168468

SDG No.:

Instrument ID: HP5890-12 GC Column: ZB-35 ID: 0.53(mm) Heated Purge: (Y/N) N

Calibration Start Date: 03/04/2014 12:15 Calibration End Date: 03/04/2014 13:43 Calibration ID: 17642

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	STD1 480-168468/2	12_278_025.D
Level 2	STD2 480-168468/3	12_278_026.D
Level 3	STD3 480-168468/4	12_278_027.D
Level 4	STD4 480-168468/5	12_278_028.D
Level 5	STD5 480-168468/6	12_278_029.D
Level 6	STD6 480-168468/7	12_278_030.D
Level 7	STD7 480-168468/8	12_278_031.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	216050 156138	203560 134642	189080 129659	185695	Ave		173546.286				19.0		20.0			
PCB-1016 Peak 2	92800 77050	93140 65425	91580 61411	90340	Ave		81677.9286				17.0		20.0			
PCB-1016 Peak 3	109550 95346	121760 80480	111180 75872	112610	Ave		100971.071				17.0		20.0			
PCB-1016 Peak 4	63300 72444	80480 62872	74900 60308	80705	Ave		70715.5000				12.0		20.0			
PCB-1260 Peak 1	144350 104068	120720 90464	114730 86436	123525	Ave		112041.786				18.0		20.0			
PCB-1260 Peak 2	135850 101976	129020 89928	124500 85699	119435	Ave		112343.929				18.0		20.0			
PCB-1260 Peak 3	289400 204574	259840 176382	250050 171700	241235	Ave		227597.214				20.0		20.0			
PCB-1260 Peak 4	212050 210220	276640 183217	271290 177625	254455	Ave		226499.500				18.0		20.0			
Tetrachloro-m-xylene	+++++ 2055920	+++++ 1807400	2442000 1808920	2432800	Ave		2109408.00				15.0		20.0			
DCB Decachlorobiphenyl	+++++ 3112240	+++++ 2680720	2856800 2521460	3761400	Ave		2986524.00				16.0		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.: 480-55783-1 Analy Batch No.: 168468

SDG No.:

Instrument ID: HP5890-12 GC Column: ZB-35 ID: 0.53(mm) Heated Purge: (Y/N) N

Calibration Start Date: 03/04/2014 12:15 Calibration End Date: 03/04/2014 13:43 Calibration ID: 17642

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	STD1 480-168468/2	12_278_025.D
Level 2	STD2 480-168468/3	12_278_026.D
Level 3	STD3 480-168468/4	12_278_027.D
Level 4	STD4 480-168468/5	12_278_028.D
Level 5	STD5 480-168468/6	12_278_029.D
Level 6	STD6 480-168468/7	12_278_030.D
Level 7	STD7 480-168468/8	12_278_031.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	4321 134642	10178 259318	18908	37139	78069	0.0200 1.00	0.0500 2.00	0.100	0.200	0.500
PCB-1016 Peak 2	Ave	1856 65425	4657 122821	9158	18068	38525	0.0200 1.00	0.0500 2.00	0.100	0.200	0.500
PCB-1016 Peak 3	Ave	2191 80480	6088 151743	11118	22522	47673	0.0200 1.00	0.0500 2.00	0.100	0.200	0.500
PCB-1016 Peak 4	Ave	1266 62872	4024 120615	7490	16141	36222	0.0200 1.00	0.0500 2.00	0.100	0.200	0.500
PCB-1260 Peak 1	Ave	2887 90464	6036 172871	11473	24705	52034	0.0200 1.00	0.0500 2.00	0.100	0.200	0.500
PCB-1260 Peak 2	Ave	2717 89928	6451 171397	12450	23887	50988	0.0200 1.00	0.0500 2.00	0.100	0.200	0.500
PCB-1260 Peak 3	Ave	5788 176382	12992 343399	25005	48247	102287	0.0200 1.00	0.0500 2.00	0.100	0.200	0.500
PCB-1260 Peak 4	Ave	4241 183217	13832 355249	27129	50891	105110	0.0200 1.00	0.0500 2.00	0.100	0.200	0.500
Tetrachloro-m-xylene	Ave	+++++ 45185	+++++ 90446	6105	12164	25699	+++++ 0.0250	+++++ 0.0500	0.00250	0.00500	0.0125
DCB Decachlorobiphenyl	Ave	+++++ 67018	+++++ 126073	7142	18807	38903	+++++ 0.0250	+++++ 0.0500	0.00250	0.00500	0.0125

Curve Type Legend:
Ave = Average

TestAmerica Buffalo
Target Compound Quantitation Report

Data File: \\Bufchrom\ChromData\HP5890-12\20140304-29925.b\12_278_025.D
Lims ID: STD1 Lab Sample ID:
Client ID:
Sample Type: IC Calib Level: 7
Inject. Date: 04-Mar-2014 12:15:31 ALS Bottle#: 0 Worklist Smp#: 2
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info:
Operator ID: buftchrom Instrument ID: HP5890-12
Sublist: chrom-hp12_pcb*sub1

Method: \\Bufchrom\ChromData\HP5890-12\20140304-29925.b\hp12_pcb.m
Limit Group: GC - 8082A PCB ICAL
Last Update: 05-Mar-2014 14:06:23 Calib Date: 05-Mar-2014 12:39:00
Integrator: Falcon
Quant Method: External Standard Quant By: Initial Calibration
Last ICal File: \\Bufchrom\ChromData\HP5890-12\20140304-29925.b\12_278_050.D

Column 1 : ZB-5 (0.25 mm) Det: Ch-A-7A136
Column 2 : ZB-35 (0.53 mm) Det: Ch-B-7b136
Process Host: XAWRK021

First Level Reviewer: michalej Date: 04-Mar-2014 12:29:34

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	On-Col Amt ng/uL	Flags
$ 3 Tetrachloro-m-xylene						
1	2.047	2.044	0.003	2138	0.000545	
2	1.361	1.360	0.001	1440	0.000683	
					RPD = 22.35	
6 PCB-1016						
1	2.985	2.981	0.004	5748	0.0196	
1	3.071	3.066	0.005	2519	0.0194	
1	3.437	3.431	0.006	2659	0.0172	
1	3.528	3.524	0.004	1402	0.0135	
		Average of Peak Amounts =			0.0174	
2	2.281	2.281	0.0	4321	0.0249	
2	2.385	2.385	0.0	1856	0.0227	
2	2.738	2.739	-0.001	2191	0.0217	
2	2.833	2.832	0.001	1266	0.0179	
		Average of Peak Amounts =			0.0218	
					RPD = 22.25	
9 PCB-1260						M
1	4.618	4.613	0.005	6902	0.0197	
1	4.845	4.839	0.006	6070	0.0192	
1	5.363	5.359	0.004	6998	0.0227	
1	5.605	5.601	0.004	2598	0.0182	M
		Average of Peak Amounts =			0.0199	
2	4.361	4.358	0.003	2887	0.0258	M
2	4.429	4.429	0.0	2717	0.0242	M
2	4.504	4.501	0.003	5788	0.0254	M
2	4.819	4.817	0.002	4241	0.0187	
		Average of Peak Amounts =			0.0235	
					RPD = 16.49	

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	On-Col Amt ng/uL	Flags
$ 12 DCB Decachlorobiphenyl						
1	6.967	6.955	0.012	1783	0.000448	
2	5.715	5.711	0.004	1285	0.000430	
					RPD = 3.95	

QC Flag Legend

Review Flags
M - Manually Integrated

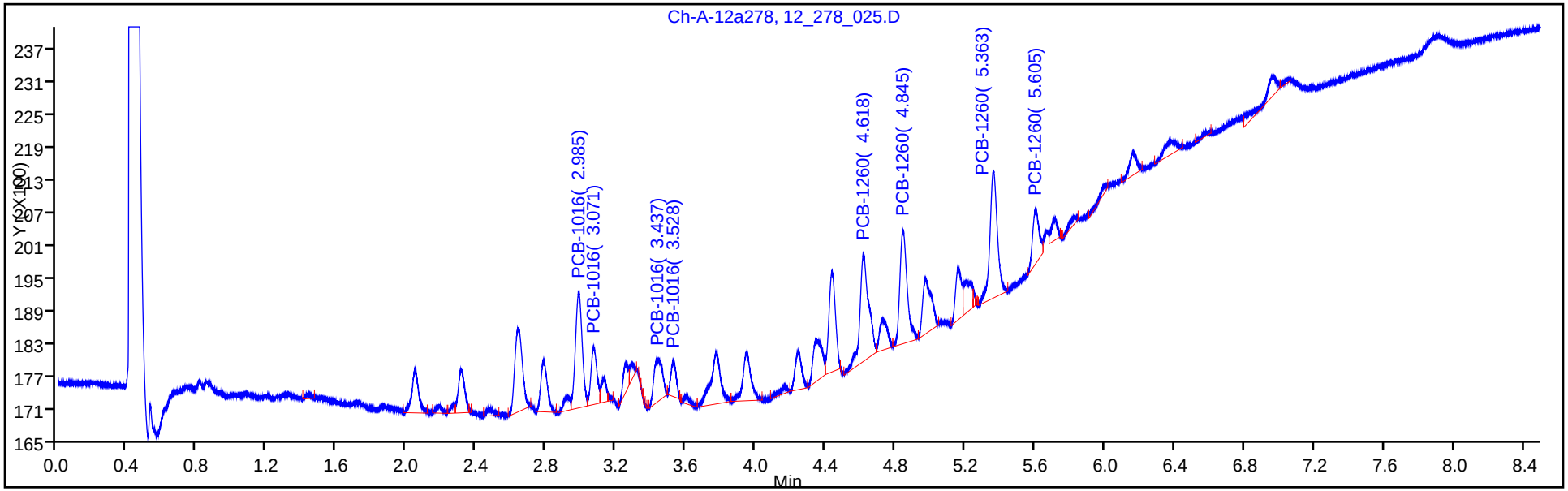
Report Date: 05-Mar-2014 14:06:25 Chrom Revision: 2.1 17-Feb-2014 09:05:58

TestAmerica Buffalo

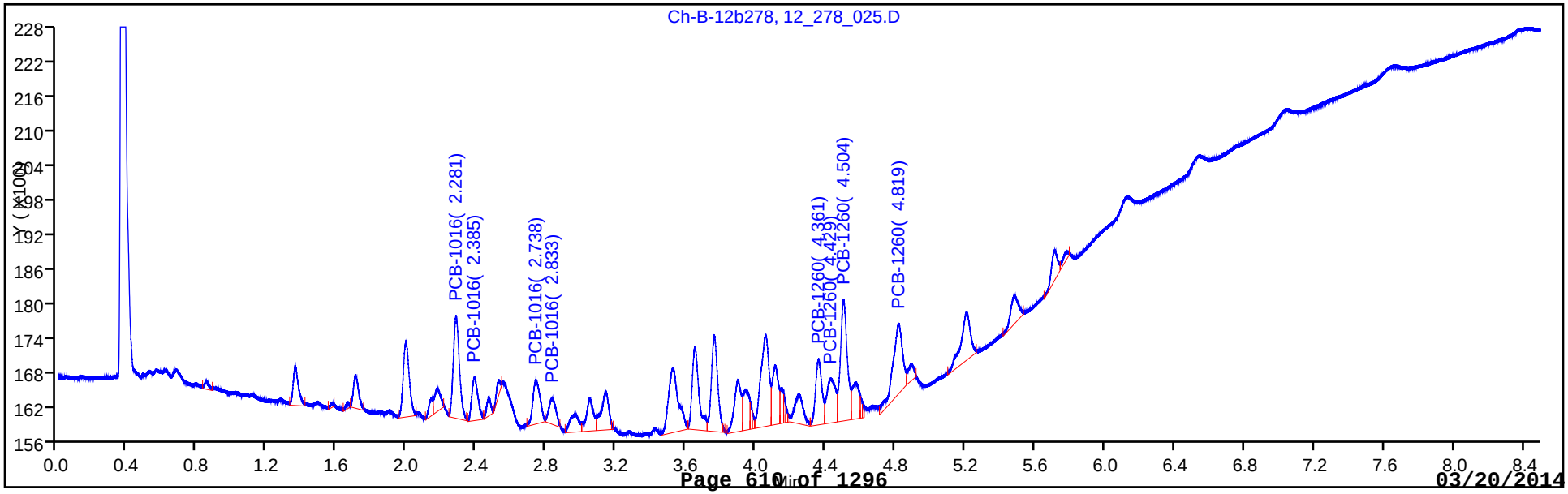
Data File: \\Bufchrom\ChromData\HP5890-12\20140304-29925.b\12_278_025.D

Injection Date:	04-Mar-2014 12:15:31	Instrument ID:	HP5890-12	Operator ID:	buftchrom
Lims ID:	STD1	Lab Sample ID:		Worklist Smp#:	2
Client ID:					
Injection Vol:	1.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	0
Method:	hp12_pcb	Limit Group:	GC - 8082A PCB ICAL		

Column: ZB-5 (0.25 mm)



Column: ZB-35 (0.53 mm)



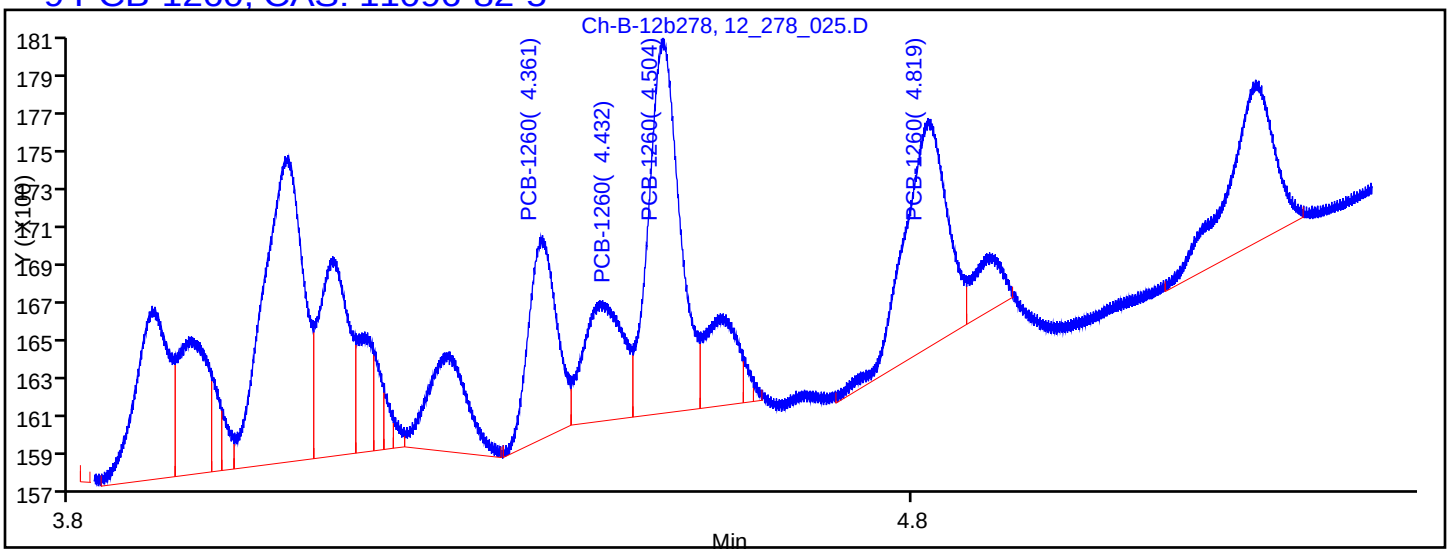
Report Date: 05-Mar-2014 14:06:25 Chrom Revision: 2.1 17-Feb-2014 09:05:58

TestAmerica Buffalo

Data File: \\Bufchrom\ChromData\HP5890-12\20140304-29925.b\12_278_025.D

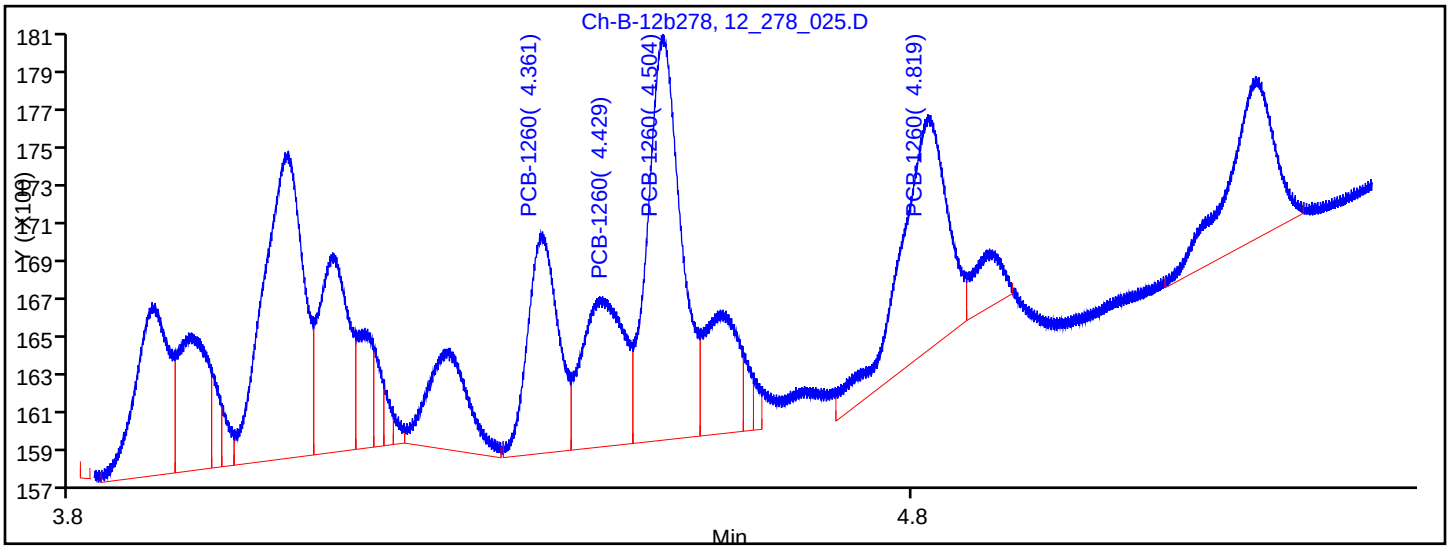
Injection Date:	04-Mar-2014 12:15:31	Instrument ID:	HP5890-12		
Lims ID:	STD1	Lab Sample ID:			
Client ID:					
Operator ID:	buftchrom	ALS Bottle#:	0	Worklist Smp#:	2
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	hp12_pcb	Limit Group:	GC - 8082A PCB ICAL		
Column:	ZB-35 (0.53 mm)	Detector	Ch-B-7b136		

9 PCB-1260, CAS: 11096-82-5



Processing Integration Results

RT = 4.361	Response = 2473	M
RT = 4.432	Response = 2037	M
RT = 4.504	Response = 5016	M
RT = 4.819	Response = 4241	



Manual Integration Results

RT = 4.361	Response = 2887	M
RT = 4.429	Response = 2717	M
RT = 4.504	Response = 5788	M
RT = 4.819	Response = 4241	

Reviewer: michalej, 05-Mar-2014 13:39:05

Audit Action: Assigned New Baseline

Audit Reason: Incomplete Integration

TestAmerica Buffalo
Target Compound Quantitation Report

Data File: \\Bufchrom\ChromData\HP5890-12\20140304-29925.b\12_278_026.D
Lims ID: STD2 Lab Sample ID:
Client ID:
Sample Type: IC Calib Level: 6
Inject. Date: 04-Mar-2014 12:30:16 ALS Bottle#: 0 Worklist Smp#: 3
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info:
Operator ID: buftchrom Instrument ID: HP5890-12
Sublist: chrom-hp12_pcb*sub1

Method: \\Bufchrom\ChromData\HP5890-12\20140304-29925.b\hp12_pcb.m
Limit Group: GC - 8082A PCB ICAL
Last Update: 05-Mar-2014 14:06:26 Calib Date: 05-Mar-2014 12:39:00
Integrator: Falcon
Quant Method: External Standard Quant By: Initial Calibration
Last ICal File: \\Bufchrom\ChromData\HP5890-12\20140304-29925.b\12_278_050.D

Column 1 : ZB-5 (0.25 mm) Det: Ch-A-7A136
Column 2 : ZB-35 (0.53 mm) Det: Ch-B-7b136
Process Host: XAWRK021

First Level Reviewer: michalej Date: 05-Mar-2014 07:18:17

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	On-Col Amt ng/uL	Flags
$ 3 Tetrachloro-m-xylene						
1	2.045	2.044	0.001	5035	0.001284	
2	1.358	1.360	-0.002	3276	0.001553	
					RPD = 18.93	
6 PCB-1016						
1	2.983	2.981	0.002	15289	0.0522	
1	3.069	3.066	0.003	7112	0.0549	
1	3.433	3.431	0.002	8346	0.0539	
1	3.525	3.524	0.001	5576	0.0538	
		Average of Peak Amounts =			0.0537	
2	2.281	2.281	0.0	10178	0.0586	
2	2.385	2.385	0.0	4657	0.0570	
2	2.737	2.739	-0.002	6088	0.0603	
2	2.831	2.832	-0.001	4024	0.0569	
		Average of Peak Amounts =			0.0582	
					RPD = 8.08	
9 PCB-1260						M
1	4.616	4.613	0.003	18150	0.0518	
1	4.841	4.839	0.002	15106	0.0478	
1	5.362	5.359	0.003	16151	0.0523	
1	5.604	5.601	0.003	7261	0.0508	
		Average of Peak Amounts =			0.0507	
2	4.358	4.358	0.0	6036	0.0539	
2	4.428	4.429	-0.001	6451	0.0574	M
2	4.503	4.501	0.002	12992	0.0571	M
2	4.819	4.817	0.002	13832	0.0611	M
		Average of Peak Amounts =			0.0574	
					RPD = 12.34	

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	On-Col Amt ng/uL	Flags
$ 12 DCB Decachlorobiphenyl						
1	6.958	6.955	0.003	3564	0.000895	
2	5.713	5.711	0.002	3246	0.001087	
					RPD = 19.40	

QC Flag Legend

Review Flags
M - Manually Integrated

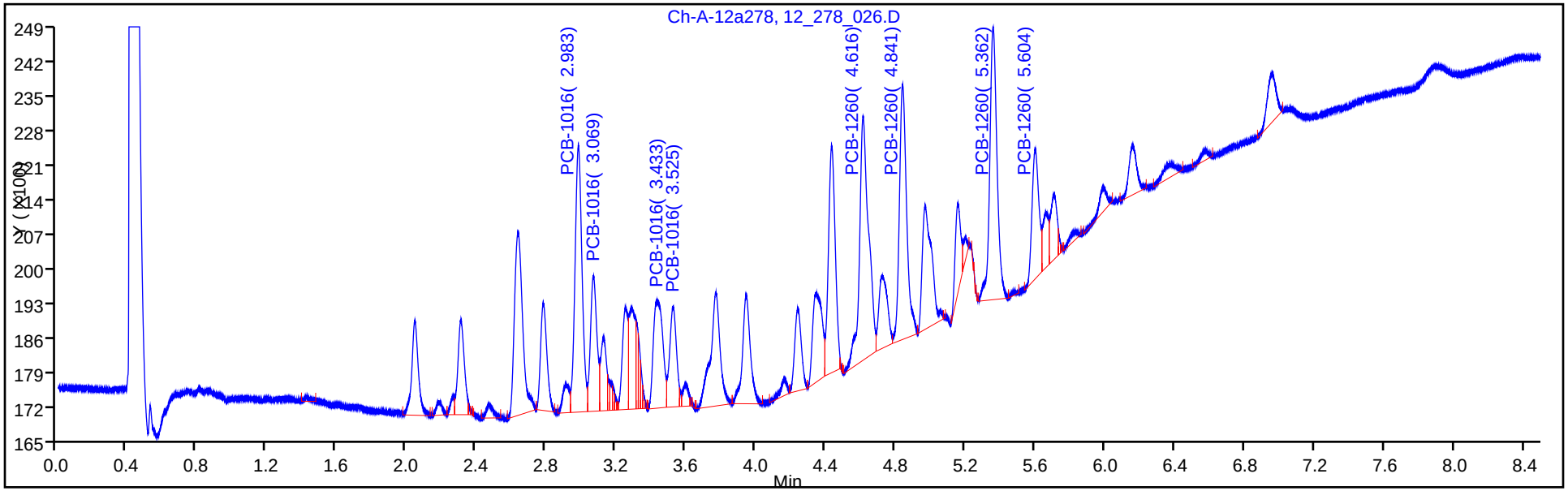
Report Date: 05-Mar-2014 14:06:28 Chrom Revision: 2.1 17-Feb-2014 09:05:58

TestAmerica Buffalo

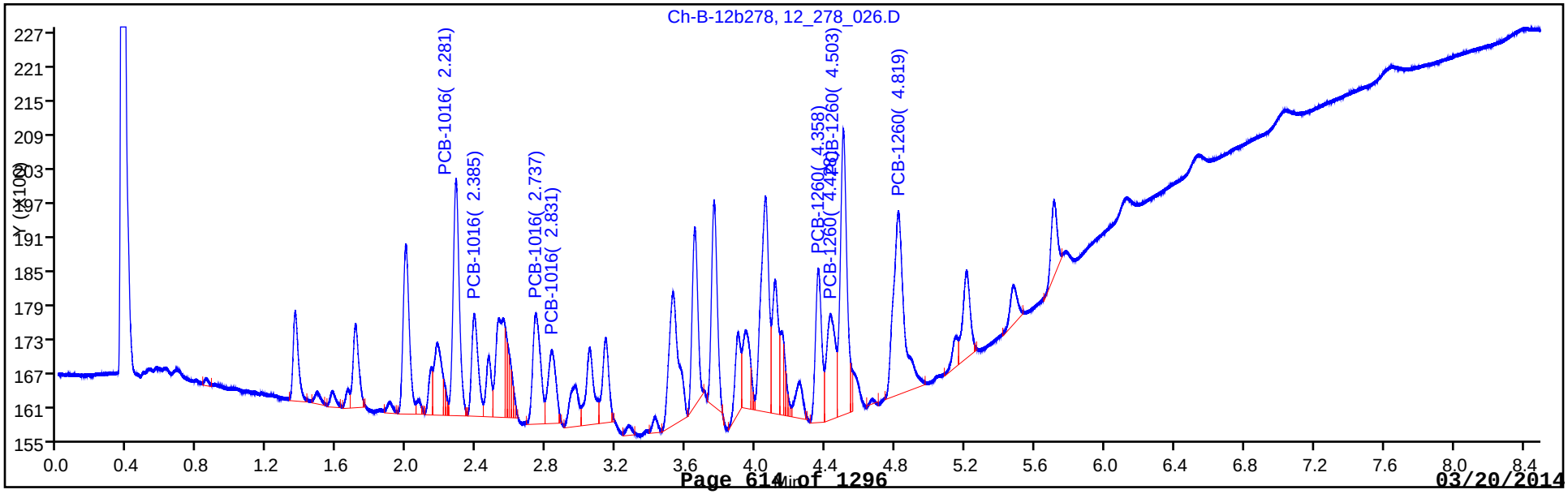
Data File: \\Bufchrom\ChromData\HP5890-12\20140304-29925.b\12_278_026.D

Injection Date:	04-Mar-2014 12:30:16	Instrument ID:	HP5890-12	Operator ID:	buftchrom
Lims ID:	STD2	Lab Sample ID:		Worklist Smp#:	3
Client ID:					
Injection Vol:	1.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	0
Method:	hp12_pcb	Limit Group:	GC - 8082A PCB ICAL		

Column: ZB-5 (0.25 mm)



Column: ZB-35 (0.53 mm)



Report Date: 05-Mar-2014 14:06:28 Chrom Revision: 2.1 17-Feb-2014 09:05:58

TestAmerica Buffalo

Data File: \\Bufchrom\ChromData\HP5890-12\20140304-29925.b\12_278_026.D

Injection Date: 04-Mar-2014 12:30:16 Instrument ID: HP5890-12

Lims ID: STD2 Lab Sample ID:

Client ID:

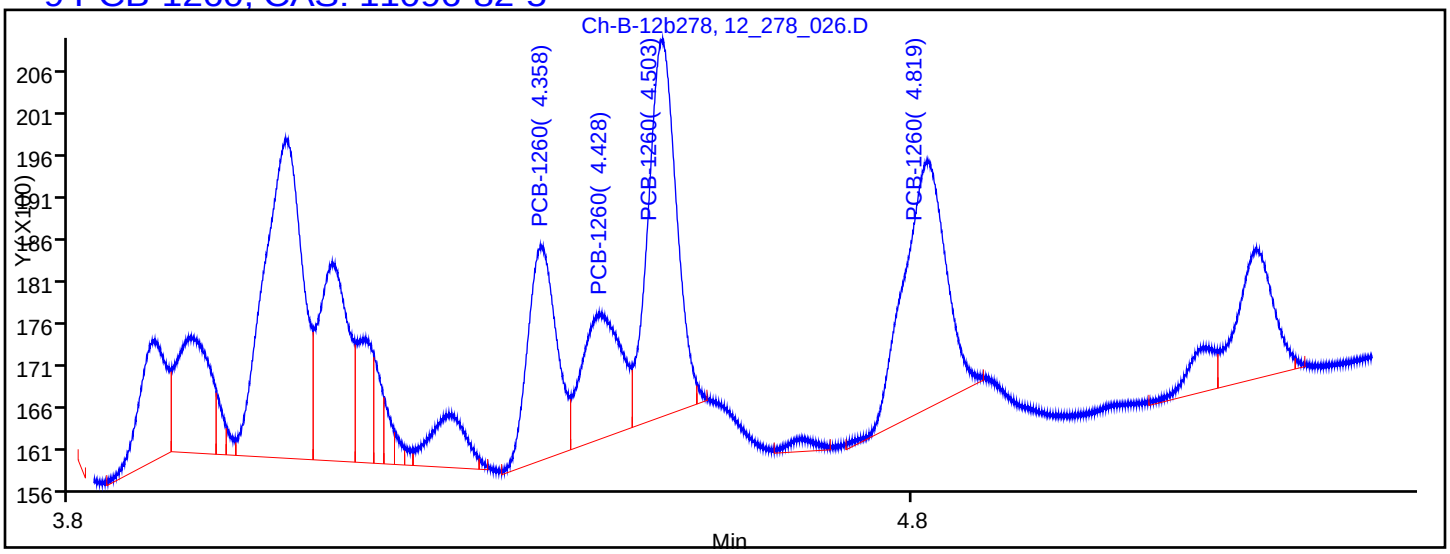
Operator ID: buftchrom ALS Bottle#: 0 Worklist Smp#: 3

Injection Vol: 1.0 ul Dil. Factor: 1.0000

Method: hp12_pcb Limit Group: GC - 8082A PCB ICAL

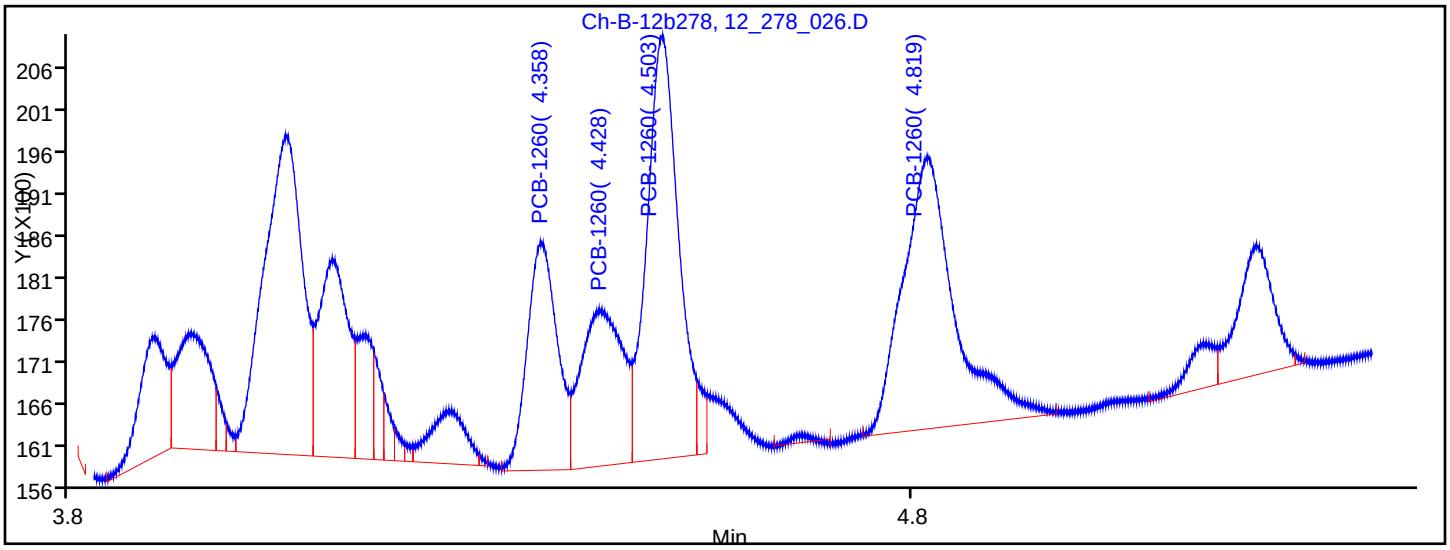
Column: ZB-35 (0.53 mm) Detector Ch-B-7b136

9 PCB-1260, CAS: 11096-82-5



Processing Integration Results

RT = 4.358	Response = 6036	
RT = 4.428	Response = 4829	M
RT = 4.503	Response = 10455	M
RT = 4.819	Response = 10315	M



Manual Integration Results

RT = 4.358	Response = 6036	
RT = 4.428	Response = 6451	M
RT = 4.503	Response = 12992	M
RT = 4.819	Response = 13832	M

Reviewer: michalej, 05-Mar-2014 13:39:21

Audit Action: Assigned New Baseline

Audit Reason: Incomplete Integration

TestAmerica Buffalo
Target Compound Quantitation Report

Data File: \\Bufchrom\ChromData\HP5890-12\20140304-29925.b\12_278_027.D
Lims ID: STD3 Lab Sample ID:
Client ID:
Sample Type: IC Calib Level: 5
Inject. Date: 04-Mar-2014 12:45:00 ALS Bottle#: 0 Worklist Smp#: 4
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info:
Operator ID: buftchrom Instrument ID: HP5890-12
Sublist: chrom-hp12_pcb*sub1

Method: \\Bufchrom\ChromData\HP5890-12\20140304-29925.b\hp12_pcb.m
Limit Group: GC - 8082A PCB ICAL
Last Update: 05-Mar-2014 14:06:29 Calib Date: 05-Mar-2014 12:39:00
Integrator: Falcon
Quant Method: External Standard Quant By: Initial Calibration
Last ICal File: \\Bufchrom\ChromData\HP5890-12\20140304-29925.b\12_278_050.D

Column 1 : ZB-5 (0.25 mm) Det: Ch-A-7A136
Column 2 : ZB-35 (0.53 mm) Det: Ch-B-7b136
Process Host: XAWRK021

First Level Reviewer: michalej Date: 05-Mar-2014 08:51:01

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	On-Col Amt ng/uL	Flags
$ 3 Tetrachloro-m-xylene						
1	2.045	2.044	0.001	9810	0.002503	
2	1.361	1.360	0.001	6105	0.002894	
					RPD = 14.51	
6 PCB-1016						
1	2.981	2.981	0.0	30104	0.1027	
1	3.068	3.066	0.002	14076	0.1086	
1	3.433	3.431	0.002	16727	0.1081	
1	3.525	3.524	0.001	11333	0.1094	
		Average of Peak Amounts =			0.1072	
2	2.281	2.281	0.0	18908	0.1090	
2	2.387	2.385	0.002	9158	0.1121	
2	2.739	2.739	0.0	11118	0.1101	
2	2.832	2.832	0.0	7490	0.1059	
		Average of Peak Amounts =			0.1093	
					RPD = 1.92	
9 PCB-1260						M
1	4.615	4.613	0.002	35889	0.1025	
1	4.841	4.839	0.002	30029	0.0951	
1	5.361	5.359	0.002	30216	0.0979	
1	5.602	5.601	0.001	13093	0.0916	
		Average of Peak Amounts =			0.0968	
2	4.359	4.358	0.001	11473	0.1024	
2	4.431	4.429	0.002	12450	0.1108	M
2	4.503	4.501	0.002	25005	0.1099	M
2	4.817	4.817	0.0	27129	0.1198	M
		Average of Peak Amounts =			0.1107	
					RPD = 13.45	

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	On-Col Amt ng/uL	Flags
$ 12 DCB Decachlorobiphenyl						
1	6.957	6.955	0.002	11548	0.002899	
2	5.710	5.711	-0.001	7142	0.002391	
					RPD = 19.18	

QC Flag Legend

Review Flags
M - Manually Integrated

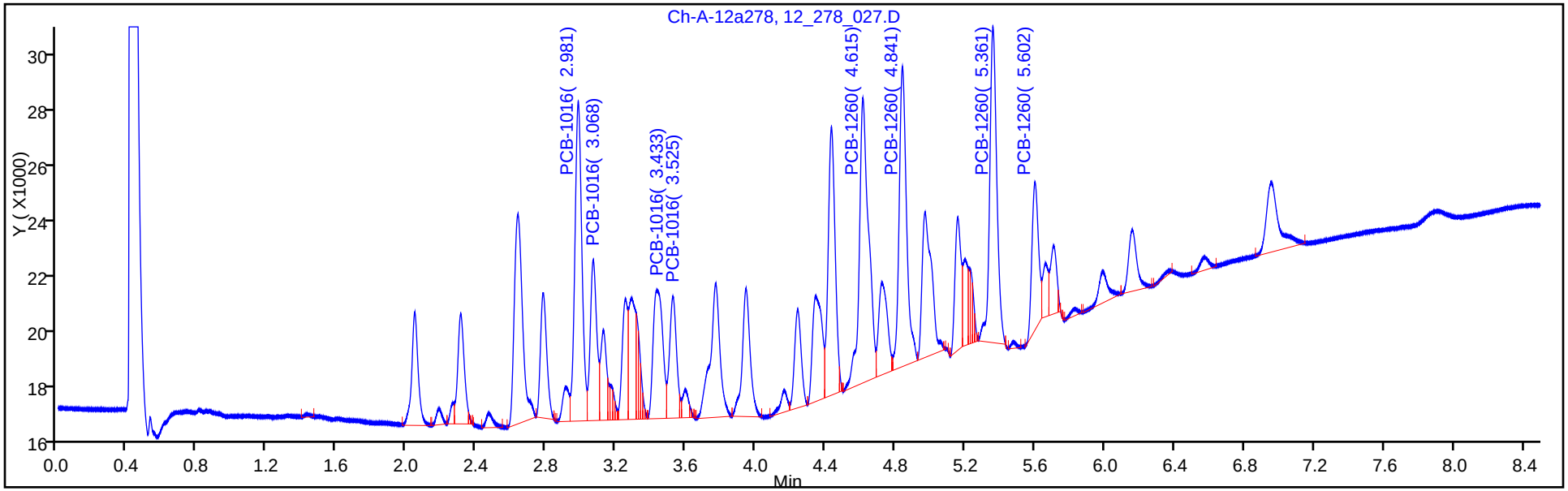
Report Date: 05-Mar-2014 14:06:30 Chrom Revision: 2.1 17-Feb-2014 09:05:58

TestAmerica Buffalo

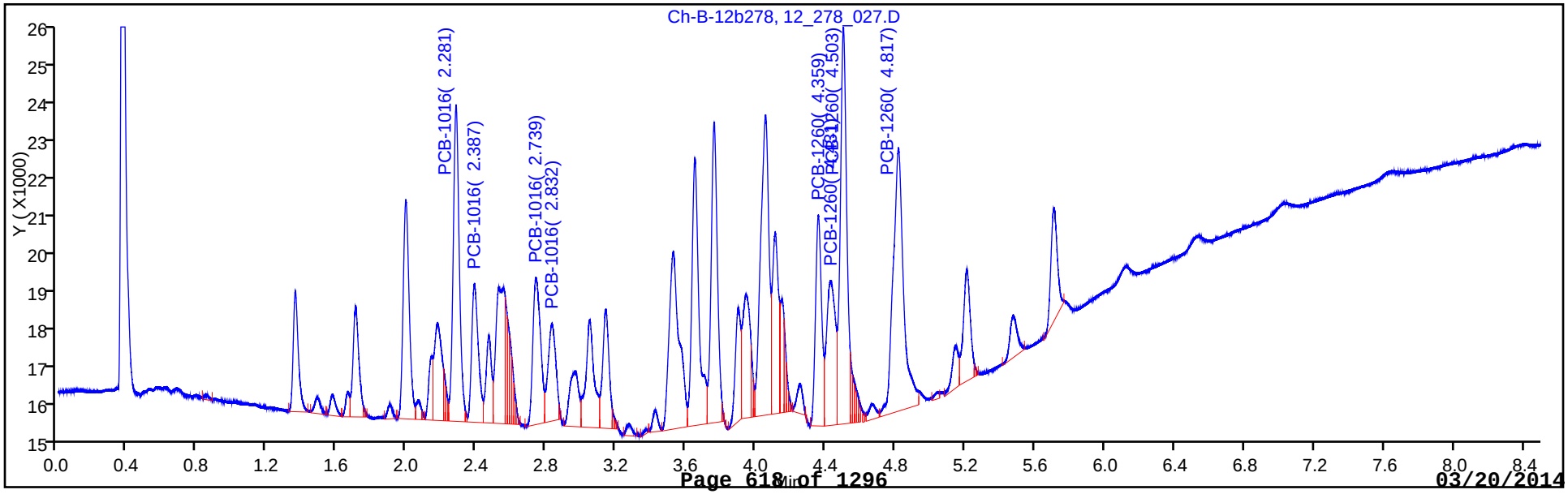
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Injection Date:	04-Mar-2014 12:45:00	Instrument ID:	HP5890-12	Operator ID:	buftchrom
Lims ID:	STD3	Lab Sample ID:		Worklist Smp#:	4
Client ID:					
Injection Vol:	1.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	0
Method:	hp12_pcb	Limit Group:	GC - 8082A PCB ICAL		

Column: ZB-5 (0.25 mm)



Column: ZB-35 (0.53 mm)



Report Date: 05-Mar-2014 14:06:30 Chrom Revision: 2.1 17-Feb-2014 09:05:58

TestAmerica Buffalo

Data File: \\Bufchrom\ChromData\HP5890-12\20140304-29925.b\12_278_027.D

Injection Date: 04-Mar-2014 12:45:00 Instrument ID: HP5890-12

Lims ID: STD3 Lab Sample ID:

Client ID:

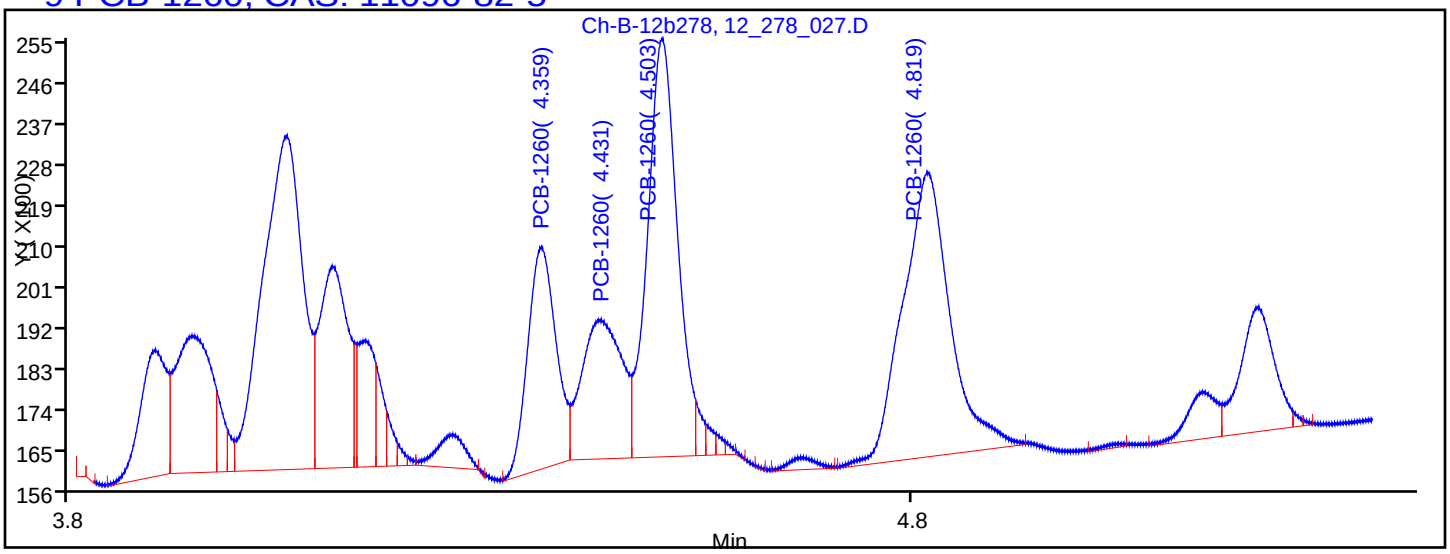
Operator ID: buftchrom ALS Bottle#: 0 Worklist Smp#: 4

Injection Vol: 1.0 ul Dil. Factor: 1.0000

Method: hp12_pcb Limit Group: GC - 8082A PCB ICAL

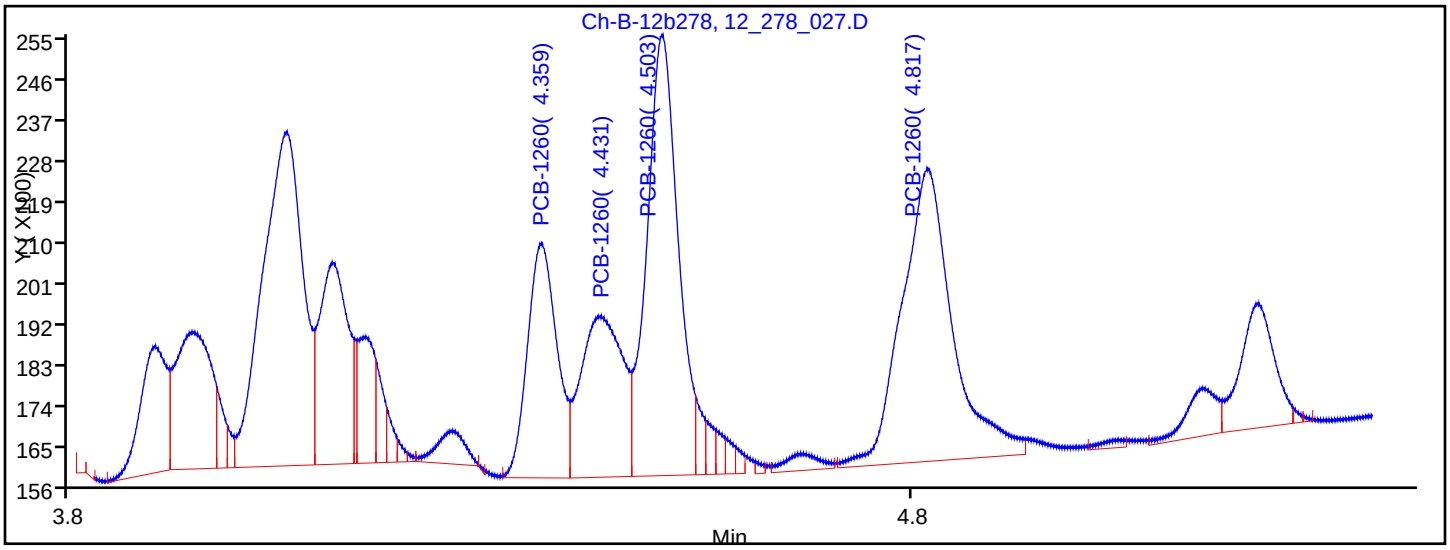
Column: ZB-35 (0.53 mm) Detector Ch-B-7b136

9 PCB-1260, CAS: 11096-82-5



Processing Integration Results

RT = 4.359	Response = 11473	
RT = 4.431	Response = 10307	M
RT = 4.503	Response = 22736	M
RT = 4.819	Response = 24616	M



Manual Integration Results

RT = 4.359	Response = 11473	
RT = 4.431	Response = 12450	M
RT = 4.503	Response = 25005	M
RT = 4.817	Response = 27129	M

Reviewer: michalej, 05-Mar-2014 13:39:36

Audit Action: Assigned New Baseline

Audit Reason: Incomplete Integration

TestAmerica Buffalo
Target Compound Quantitation Report

Data File: \\Bufchrom\ChromData\HP5890-12\20140304-29925.b\12_278_028.D
Lims ID: STD4 Lab Sample ID:
Client ID:
Sample Type: IC Calib Level: 4
Inject. Date: 04-Mar-2014 12:59:47 ALS Bottle#: 0 Worklist Smp#: 5
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info:
Operator ID: buftchrom Instrument ID: HP5890-12
Sublist: chrom-hp12_pcb*sub1

Method: \\Bufchrom\ChromData\HP5890-12\20140304-29925.b\hp12_pcb.m
Limit Group: GC - 8082A PCB ICAL
Last Update: 05-Mar-2014 14:06:32 Calib Date: 05-Mar-2014 12:39:00
Integrator: Falcon
Quant Method: External Standard Quant By: Initial Calibration
Last ICal File: \\Bufchrom\ChromData\HP5890-12\20140304-29925.b\12_278_050.D

Column 1 : ZB-5 (0.25 mm) Det: Ch-A-7A136
Column 2 : ZB-35 (0.53 mm) Det: Ch-B-7b136
Process Host: XAWRK021

First Level Reviewer: michalej Date: 05-Mar-2014 06:00:54

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	On-Col Amt ng/uL	Flags
$ 3 Tetrachloro-m-xylene						
1	2.044	2.044	0.0	21112	0.005386	
2	1.361	1.360	0.001	12164	0.005767	
					RPD = 6.83	
6 PCB-1016						
1	2.981	2.981	0.0	64708	0.2207	
1	3.068	3.066	0.002	29103	0.2245	
1	3.433	3.431	0.002	35708	0.2307	
1	3.525	3.524	0.001	24092	0.2326	
		Average of Peak Amounts =			0.2271	
2	2.281	2.281	0.0	37139	0.2140	
2	2.387	2.385	0.002	18068	0.2212	
2	2.739	2.739	0.0	22522	0.2231	
2	2.830	2.832	-0.002	16141	0.2283	
		Average of Peak Amounts =			0.2216	
					RPD = 2.46	
9 PCB-1260						
1	4.613	4.613	0.0	81878	0.2339	
1	4.841	4.839	0.002	73733	0.2334	
1	5.359	5.359	0.0	67502	0.2186	
1	5.601	5.601	0.0	32706	0.2288	
		Average of Peak Amounts =			0.2287	
2	4.359	4.358	0.001	24705	0.2205	
2	4.429	4.429	0.0	23887	0.2126	
2	4.503	4.501	0.002	48247	0.2120	
2	4.817	4.817	0.0	50891	0.2247	
		Average of Peak Amounts =			0.2174	
					RPD = 5.04	

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	On-Col Amt ng/uL	Flags
$ 12 DCB Decachlorobiphenyl						
1	6.955	6.955	0.0	22403	0.005624	
2	5.709	5.711	-0.002	18807	0.006297	
					RPD = 11.30	

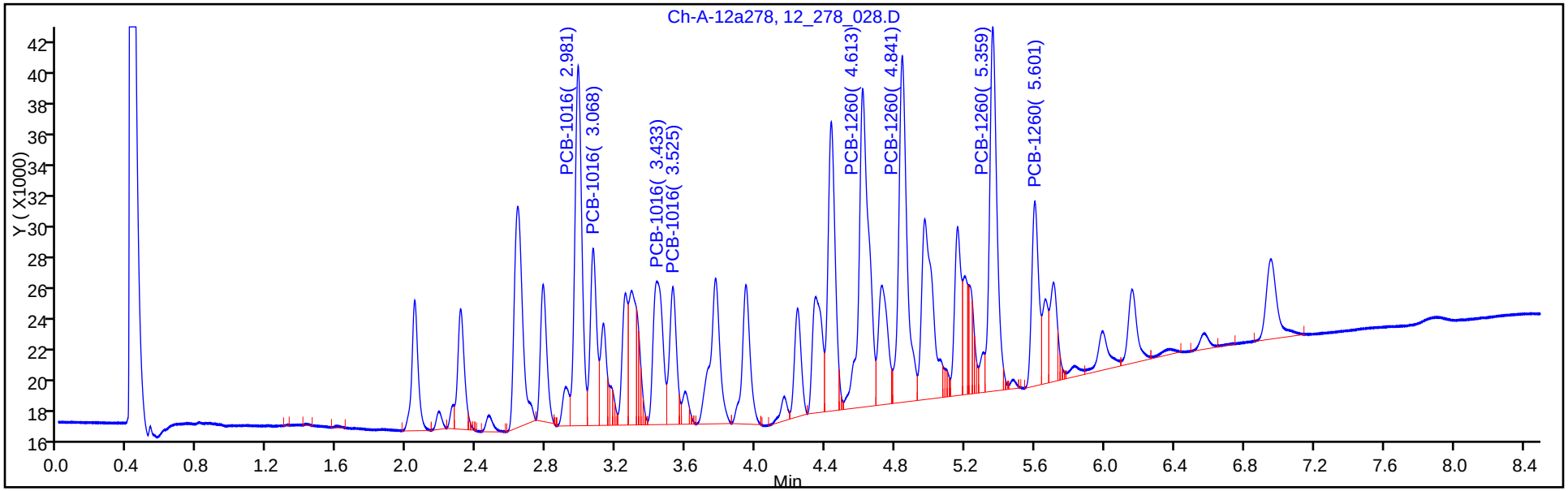
Report Date: 05-Mar-2014 14:06:33 Chrom Revision: 2.1 17-Feb-2014 09:05:58

TestAmerica Buffalo

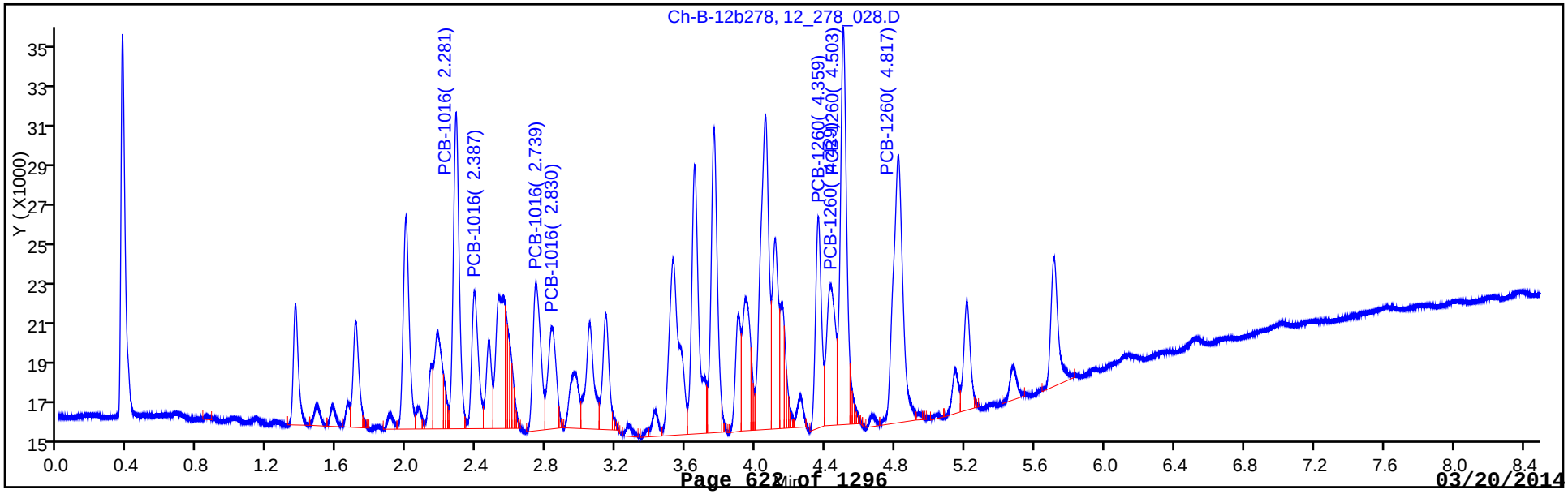
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Injection Date:	04-Mar-2014 12:59:47	Instrument ID:	HP5890-12	Operator ID:	buftchrom
Lims ID:	STD4	Lab Sample ID:		Worklist Smp#:	5
Client ID:					
Injection Vol:	1.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	0
Method:	hp12_pcb	Limit Group:	GC - 8082A PCB ICAL		

Column: ZB-5 (0.25 mm)



Column: ZB-35 (0.53 mm)



TestAmerica Buffalo
Target Compound Quantitation Report

Data File: \\Bufchrom\ChromData\HP5890-12\20140304-29925.b\12_278_029.D
Lims ID: STD5 Lab Sample ID:
Client ID:
Sample Type: IC Calib Level: 3
Inject. Date: 04-Mar-2014 13:14:33 ALS Bottle#: 0 Worklist Smp#: 6
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info:
Operator ID: buftchrom Instrument ID: HP5890-12
Sublist: chrom-hp12_pcb*sub1

Method: \\Bufchrom\ChromData\HP5890-12\20140304-29925.b\hp12_pcb.m
Limit Group: GC - 8082A PCB ICAL
Last Update: 05-Mar-2014 14:06:34 Calib Date: 05-Mar-2014 12:39:00
Integrator: Falcon
Quant Method: External Standard Quant By: Initial Calibration
Last ICal File: \\Bufchrom\ChromData\HP5890-12\20140304-29925.b\12_278_050.D

Column 1 : ZB-5 (0.25 mm) Det: Ch-A-7A136
Column 2 : ZB-35 (0.53 mm) Det: Ch-B-7b136
Process Host: XAWRK021

First Level Reviewer: michalej Date: 05-Mar-2014 05:58:05

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	On-Col Amt ng/uL	Flags
$ 3 Tetrachloro-m-xylene						
1	2.044	2.044	0.0	48374	0.0123	
2	1.360	1.360	0.0	25699	0.0122	
					RPD = 1.28	
6 PCB-1016						
1	2.981	2.981	0.0	146610	0.5001	
1	3.066	3.066	0.0	63615	0.4908	
1	3.431	3.431	0.0	78611	0.5080	
1	3.524	3.524	0.0	54668	0.5277	
		Average of Peak Amounts =			0.5067	
2	2.281	2.281	0.0	78069	0.4498	
2	2.385	2.385	0.0	38525	0.4717	
2	2.739	2.739	0.0	47673	0.4721	
2	2.832	2.832	0.0	36222	0.5122	
		Average of Peak Amounts =			0.4765	
					RPD = 6.14	
9 PCB-1260						
1	4.613	4.613	0.0	176824	0.5050	
1	4.839	4.839	0.0	163477	0.5176	
1	5.359	5.359	0.0	147362	0.4773	
1	5.601	5.601	0.0	72696	0.5086	
		Average of Peak Amounts =			0.5021	
2	4.358	4.358	0.0	52034	0.4644	
2	4.429	4.429	0.0	50988	0.4539	
2	4.501	4.501	0.0	102287	0.4494	
2	4.817	4.817	0.0	105110	0.4641	
		Average of Peak Amounts =			0.4579	
					RPD = 9.20	

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	On-Col Amt ng/uL	Flags
$ 12 DCB Decachlorobiphenyl						
1	6.955	6.955	0.0	49049	0.0123	
2	5.711	5.711	0.0	38903	0.0130	
					RPD = 5.63	

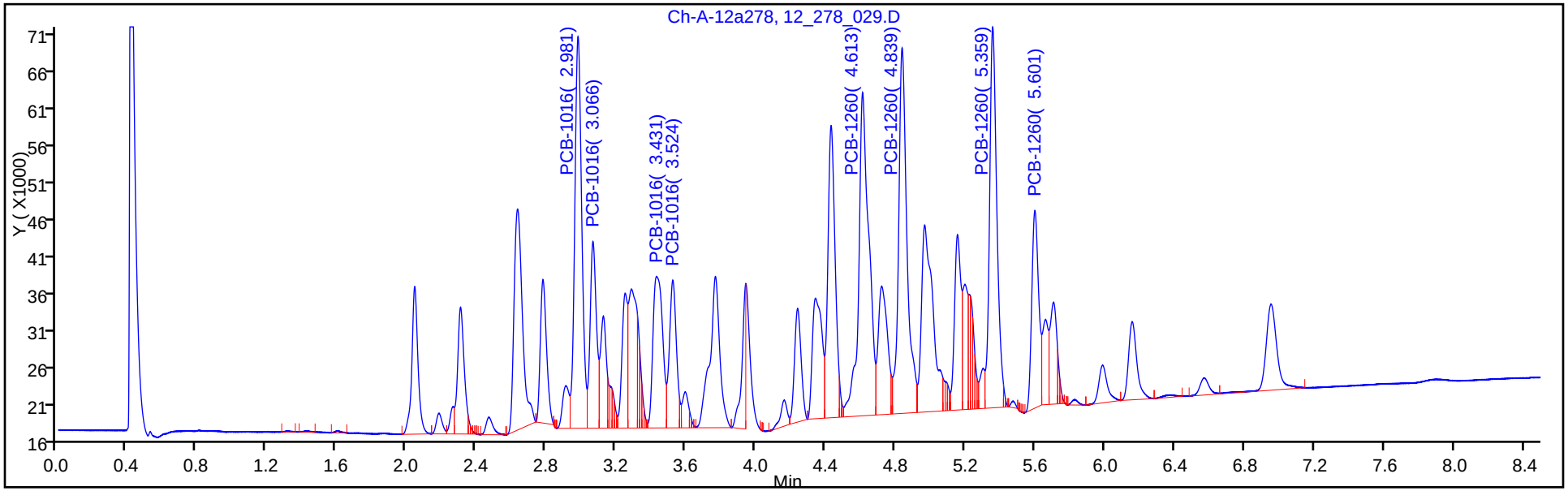
Report Date: 05-Mar-2014 14:06:36 Chrom Revision: 2.1 17-Feb-2014 09:05:58

TestAmerica Buffalo

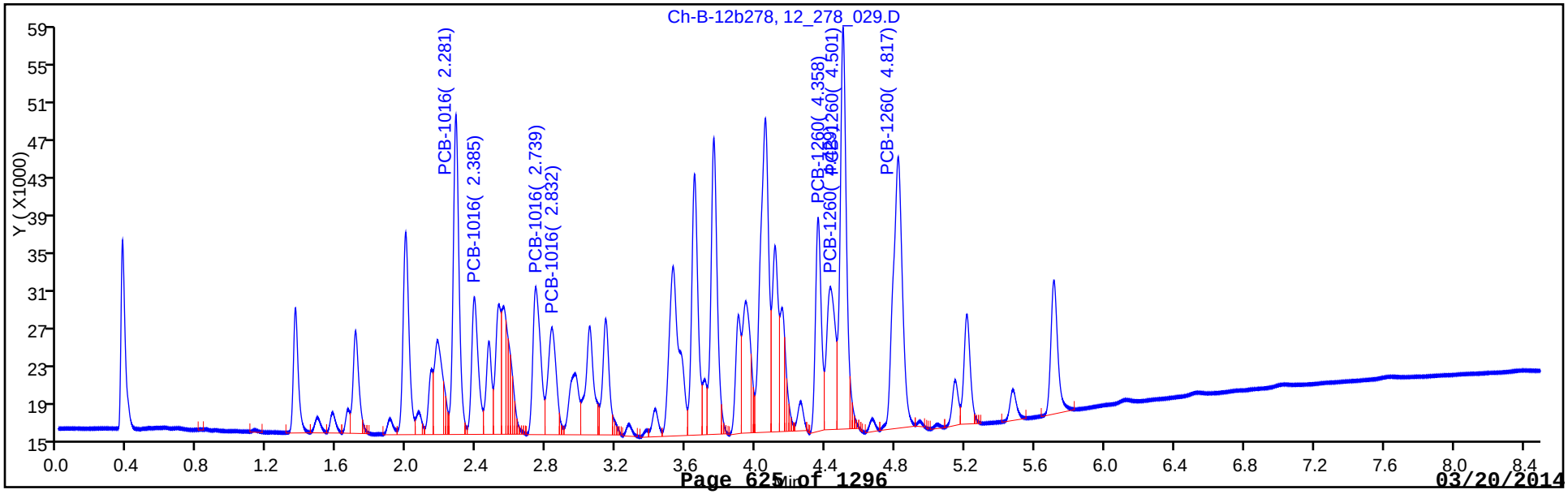
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Injection Date:	04-Mar-2014 13:14:33	Instrument ID:	HP5890-12	Operator ID:	buftchrom
Lims ID:	STD5	Lab Sample ID:		Worklist Smp#:	6
Client ID:					
Injection Vol:	1.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	0
Method:	hp12_pcb	Limit Group:	GC - 8082A PCB ICAL		

Column: ZB-5 (0.25 mm)



Column: ZB-35 (0.53 mm)



TestAmerica Buffalo
Target Compound Quantitation Report

Data File: \\Bufchrom\ChromData\HP5890-12\20140304-29925.b\12_278_030.D
Lims ID: STD6 Lab Sample ID:
Client ID:
Sample Type: IC Calib Level: 2
Inject. Date: 04-Mar-2014 13:29:16 ALS Bottle#: 0 Worklist Smp#: 7
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info:
Operator ID: buftchrom Instrument ID: HP5890-12
Sublist: chrom-hp12_pcb*sub1

Method: \\Bufchrom\ChromData\HP5890-12\20140304-29925.b\hp12_pcb.m
Limit Group: GC - 8082A PCB ICAL
Last Update: 05-Mar-2014 14:06:37 Calib Date: 05-Mar-2014 12:39:00
Integrator: Falcon
Quant Method: External Standard Quant By: Initial Calibration
Last ICal File: \\Bufchrom\ChromData\HP5890-12\20140304-29925.b\12_278_050.D

Column 1 : ZB-5 (0.25 mm) Det: Ch-A-7A136
Column 2 : ZB-35 (0.53 mm) Det: Ch-B-7b136
Process Host: XAWRK021

First Level Reviewer: michalej Date: 05-Mar-2014 09:12:08

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	On-Col Amt ng/uL	Flags
$ 3 Tetrachloro-m-xylene						
1	2.044	2.044	0.0	91158	0.0233	
2	1.360	1.360	0.0	45185	0.0214	
					RPD = 8.21	
6 PCB-1016						
1	2.981	2.981	0.0	268223	0.9150	
1	3.066	3.066	0.0	113015	0.8719	
1	3.431	3.431	0.0	140286	0.9065	
1	3.525	3.524	0.001	98723	0.9530	
		Average of Peak Amounts =			0.9116	
2	2.279	2.281	-0.002	134642	0.7758	
2	2.385	2.385	0.0	65425	0.8010	
2	2.738	2.739	-0.001	80480	0.7971	
2	2.831	2.832	-0.001	62872	0.8891	
		Average of Peak Amounts =			0.8157	
					RPD = 11.10	
9 PCB-1260						
1	4.612	4.613	-0.001	315409	0.9009	
1	4.839	4.839	0.0	302098	0.9565	
1	5.359	5.359	0.0	276103	0.8942	
1	5.600	5.601	-0.001	139668	0.9771	
		Average of Peak Amounts =			0.9322	
2	4.357	4.358	-0.001	90464	0.8074	
2	4.427	4.429	-0.002	89928	0.8005	
2	4.501	4.501	0.0	176382	0.7750	
2	4.817	4.817	0.0	183217	0.8089	
		Average of Peak Amounts =			0.7979	
					RPD = 15.51	

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	On-Col Amt ng/uL	Flags
$ 12 DCB Decachlorobiphenyl						
1	6.956	6.955	0.001	85704	0.0215	
2	5.710	5.711	-0.001	67018	0.0224	
					RPD = 4.21	

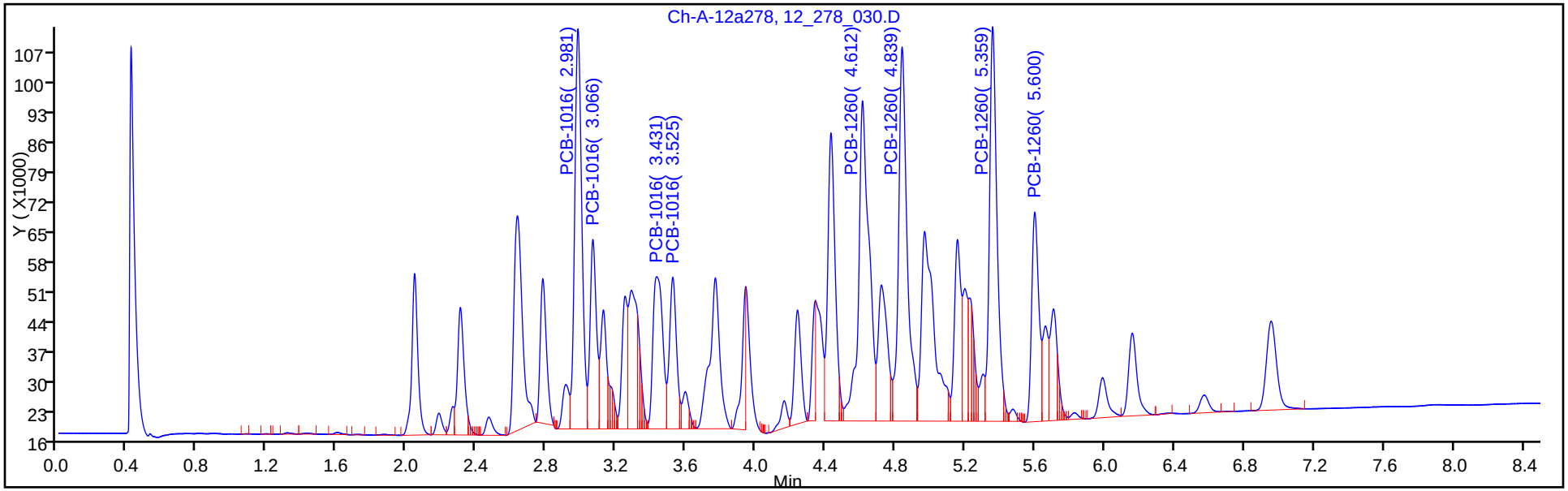
Report Date: 05-Mar-2014 14:06:38 Chrom Revision: 2.1 17-Feb-2014 09:05:58

TestAmerica Buffalo

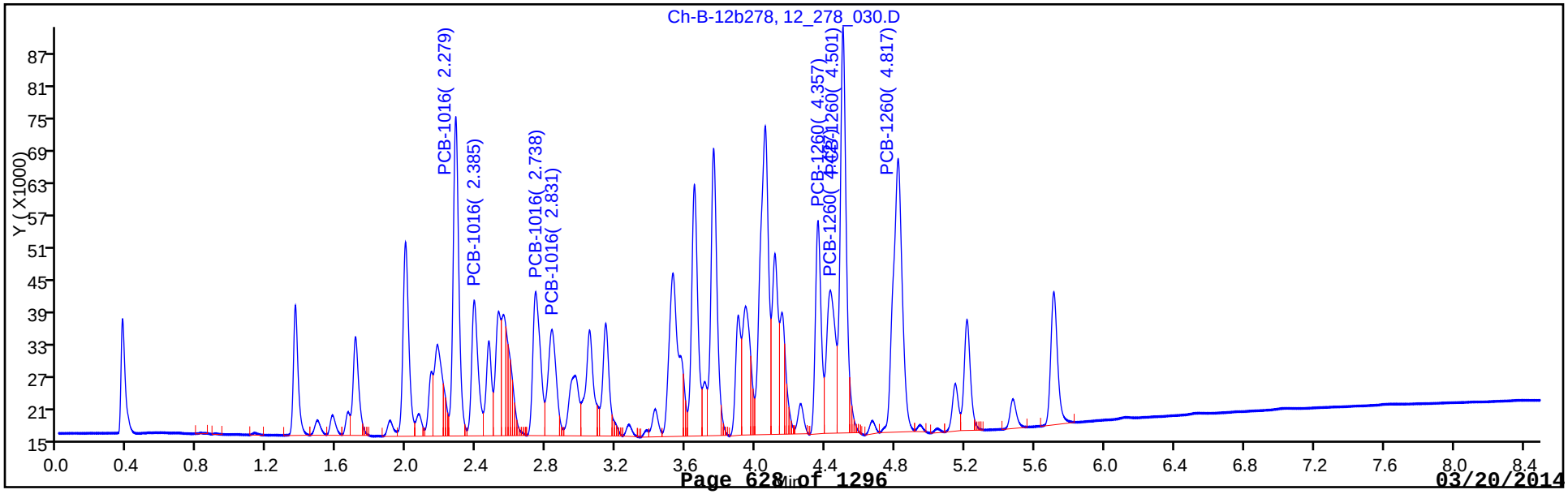
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Injection Date:	04-Mar-2014 13:29:16	Instrument ID:	HP5890-12	Operator ID:	buftchrom
Lims ID:	STD6	Lab Sample ID:		Worklist Smp#:	7
Client ID:					
Injection Vol:	1.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	0
Method:	hp12_pcb	Limit Group:	GC - 8082A PCB ICAL		

Column: ZB-5 (0.25 mm)



Column: ZB-35 (0.53 mm)



TestAmerica Buffalo
Target Compound Quantitation Report

Data File: \\Bufchrom\ChromData\HP5890-12\20140304-29925.b\12_278_031.D
Lims ID: STD7 Lab Sample ID:
Client ID:
Sample Type: IC Calib Level: 1
Inject. Date: 04-Mar-2014 13:43:56 ALS Bottle#: 0 Worklist Smp#: 8
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info:
Operator ID: buftchrom Instrument ID: HP5890-12
Sublist: chrom-hp12_pcb*sub1

Method: \\Bufchrom\ChromData\HP5890-12\20140304-29925.b\hp12_pcb.m
Limit Group: GC - 8082A PCB ICAL
Last Update: 05-Mar-2014 14:06:39 Calib Date: 05-Mar-2014 12:39:00
Integrator: Falcon
Quant Method: External Standard Quant By: Initial Calibration
Last ICal File: \\Bufchrom\ChromData\HP5890-12\20140304-29925.b\12_278_050.D

Column 1 : ZB-5 (0.25 mm) Det: Ch-A-7A136
Column 2 : ZB-35 (0.53 mm) Det: Ch-B-7b136
Process Host: XAWRK021

First Level Reviewer: michalej Date: 05-Mar-2014 13:40:37

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	On-Col Amt ng/uL	Flags
$ 3 Tetrachloro-m-xylene						
1	2.043	2.044	-0.001	196859	0.0502	
2	1.359	1.360	-0.001	90446	0.0429	
					RPD = 15.77	
6 PCB-1016						
1	2.980	2.981	-0.001	545640	1.86	
1	3.065	3.066	-0.001	225190	1.74	
1	3.429	3.431	-0.002	280096	1.81	
1	3.523	3.524	-0.001	203305	1.96	
		Average of Peak Amounts =			1.84	
2	2.279	2.281	-0.002	259318	1.49	
2	2.385	2.385	0.0	122821	1.50	
2	2.737	2.739	-0.002	151743	1.50	
2	2.830	2.832	-0.002	120615	1.71	
		Average of Peak Amounts =			1.55	
					RPD = 17.16	
9 PCB-1260						
1	4.611	4.613	-0.002	610855	1.74	
1	4.838	4.839	-0.001	614681	1.95	
1	5.357	5.359	-0.002	555962	1.80	
1	5.599	5.601	-0.002	291897	2.04	
		Average of Peak Amounts =			1.88	
2	4.355	4.358	-0.003	172871	1.54	
2	4.426	4.429	-0.003	171397	1.53	
2	4.499	4.501	-0.002	343399	1.51	
2	4.815	4.817	-0.002	355249	1.57	
		Average of Peak Amounts =			1.54	
					RPD = 20.29	

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	On-Col Amt ng/uL	Flags
$ 12 DCB Decachlorobiphenyl						
1	6.955	6.955	0.0	173312	0.0435	
2	5.708	5.711	-0.003	126073	0.0422	
					RPD = 3.01	

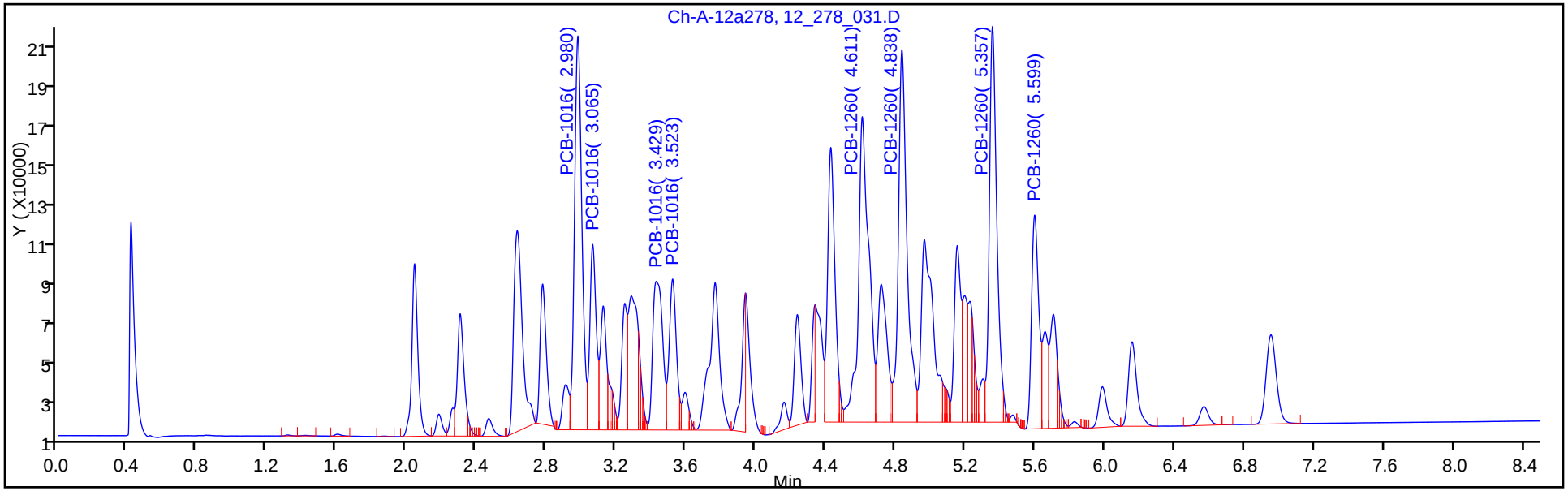
Report Date: 05-Mar-2014 14:06:41 Chrom Revision: 2.1 17-Feb-2014 09:05:58

TestAmerica Buffalo

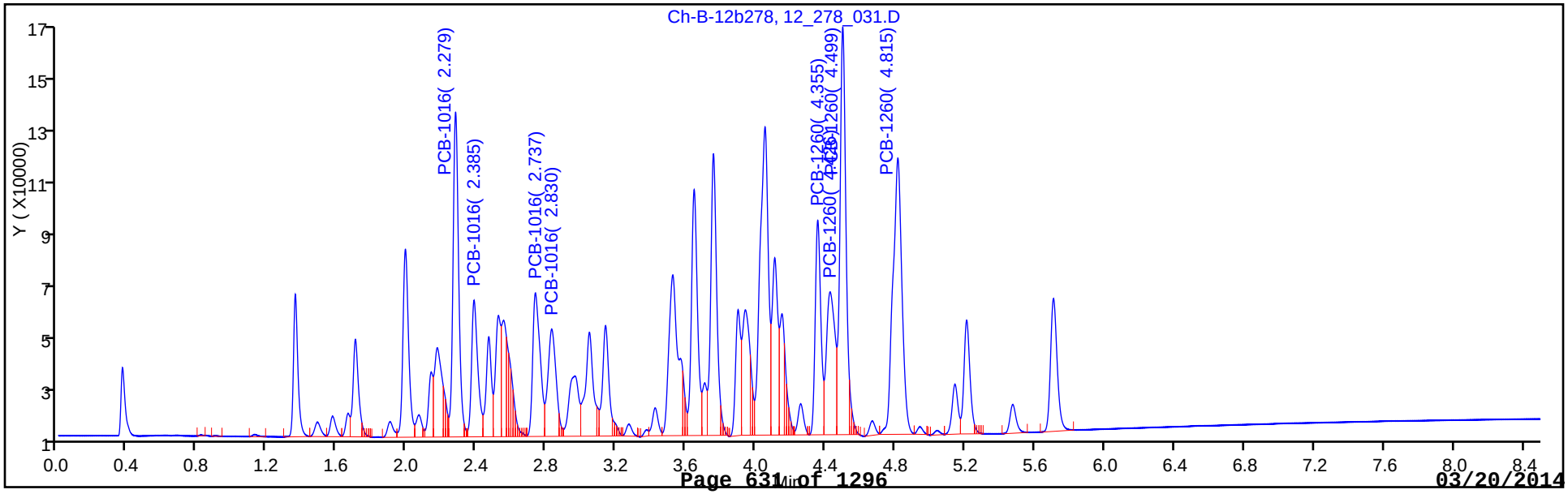
Data File: \\Bufchrom\ChromData\HP5890-12\20140304-29925.b\12_278_031.D

Injection Date:	04-Mar-2014 13:43:56	Instrument ID:	HP5890-12	Operator ID:	buftchrom
Lims ID:	STD7	Lab Sample ID:		Worklist Smp#:	8
Client ID:					
Injection Vol:	1.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	0
Method:	hp12_pcb	Limit Group:	GC - 8082A PCB ICAL		

Column: ZB-5 (0.25 mm)



Column: ZB-35 (0.53 mm)



FORM VI
PCBS INITIAL CALIBRATION DATA
EXTERNAL STANDARD RETENTION TIME SUMMARY

Lab Name: TestAmerica Buffalo Job No.: 480-55783-1 Analy Batch No.: 168468

SDG No.:

Instrument ID: HP5890-12 GC Column: ZB-35 ID: 0.53(mm) Heated Purge: (Y/N) N

Calibration Start Date: 03/04/2014 14:13 Calibration End Date: 03/04/2014 14:13 Calibration ID: 17648

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	STD21 480-168468/10	12_278_033.D

ANALYTE	LVL 1										RT WINDOW	AVG RT
PCB-1221 Peak 1	1.127										1.095 - 1.155	1.127
PCB-1221 Peak 2	1.319										1.287 - 1.347	1.319
PCB-1221 Peak 3	1.571										1.541 - 1.601	1.571
PCB-1221 Peak 4	1.705										1.673 - 1.733	1.705

FORM VI
PCBS INITIAL CALIBRATION DATA
EXTERNAL STANDARD CURVE EVALUATION

Lab Name: TestAmerica Buffalo Job No.: 480-55783-1 Analy Batch No.: 168468

SDG No.:

Instrument ID: HP5890-12 GC Column: ZB-35 ID: 0.53(mm) Heated Purge: (Y/N) N

Calibration Start Date: 03/04/2014 14:13 Calibration End Date: 03/04/2014 14:13 Calibration ID: 17648

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	STD21 480-168468/10	12_278_033.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	25512				Ave		25512.0000						20.0			
PCB-1221 Peak 2	9268.0				Ave		9268.00000						20.0			
PCB-1221 Peak 3	25644				Ave		25644.0000						20.0			
PCB-1221 Peak 4	66926				Ave		66926.0000						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.: 480-55783-1 Analy Batch No.: 168468

SDG No.:

Instrument ID: HP5890-12 GC Column: ZB-35 ID: 0.53(mm) Heated Purge: (Y/N) N

Calibration Start Date: 03/04/2014 14:13 Calibration End Date: 03/04/2014 14:13 Calibration ID: 17648

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	STD21 480-168468/10	12_278_033.D

ANALYTE	CURVE TYPE	RESPONSE					CONCENTRATION (NG/UL)				
		LVL 1					LVL 1				
PCB-1221 Peak 1	Ave	12756					0.500				
PCB-1221 Peak 2	Ave	4634					0.500				
PCB-1221 Peak 3	Ave	12822					0.500				
PCB-1221 Peak 4	Ave	33463					0.500				

Curve Type Legend:

Ave = Average

TestAmerica Buffalo
Target Compound Quantitation Report

Data File: \\Bufchrom\ChromData\HP5890-12\20140304-29925.b\12_278_033.D
Lims ID: STD21 Lab Sample ID:
Client ID:
Sample Type: IC Calib Level: 1
Inject. Date: 04-Mar-2014 14:13:21 ALS Bottle#: 0 Worklist Smp#: 10
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info:
Operator ID: buftchrom Instrument ID: HP5890-12
Sublist: chrom-hp12_pcb*sub3

Method: \\Bufchrom\ChromData\HP5890-12\20140304-29925.b\hp12_pcb.m
Limit Group: GC - 8082A PCB ICAL
Last Update: 05-Mar-2014 14:06:47 Calib Date: 05-Mar-2014 12:39:00
Integrator: Falcon
Quant Method: External Standard Quant By: Initial Calibration
Last ICal File: \\Bufchrom\ChromData\HP5890-12\20140304-29925.b\12_278_050.D

Column 1 : ZB-5 (0.25 mm) Det: Ch-A-7A136
Column 2 : ZB-35 (0.53 mm) Det: Ch-B-7b136
Process Host: XAWRK021

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	On-Col Amt ng/uL	Flags
2 PCB-1221						
1	1.599	1.597	0.002	24126	0.5000	
1	1.867	1.863	0.004	8467	0.5000	
1	2.183	2.180	0.003	22279	0.5000	
1	2.307	2.303	0.004	62355	0.5000	
		Average of Peak Amounts =			0.5000	
2	1.127	1.125	0.002	12756	0.5000	
2	1.319	1.317	0.002	4634	0.5000	
2	1.571	1.571	0.0	12822	0.5000	
2	1.705	1.703	0.002	33463	0.5000	
		Average of Peak Amounts =			0.5000	
					RPD = 0.00	

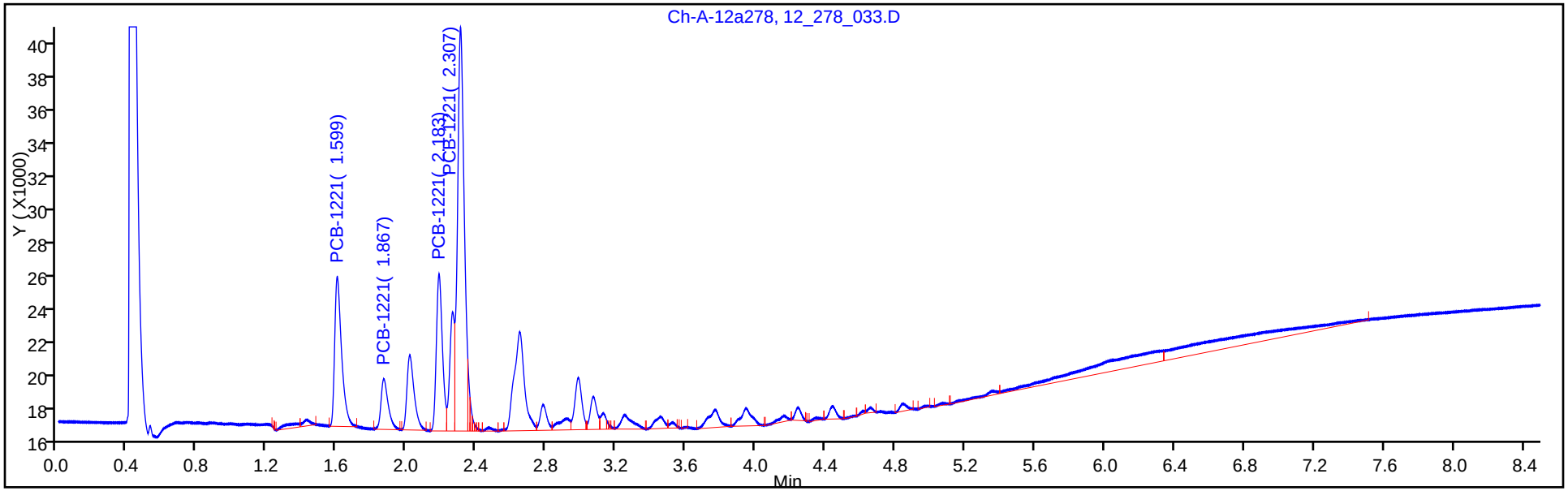
Report Date: 05-Mar-2014 14:06:48 Chrom Revision: 2.1 17-Feb-2014 09:05:58

TestAmerica Buffalo

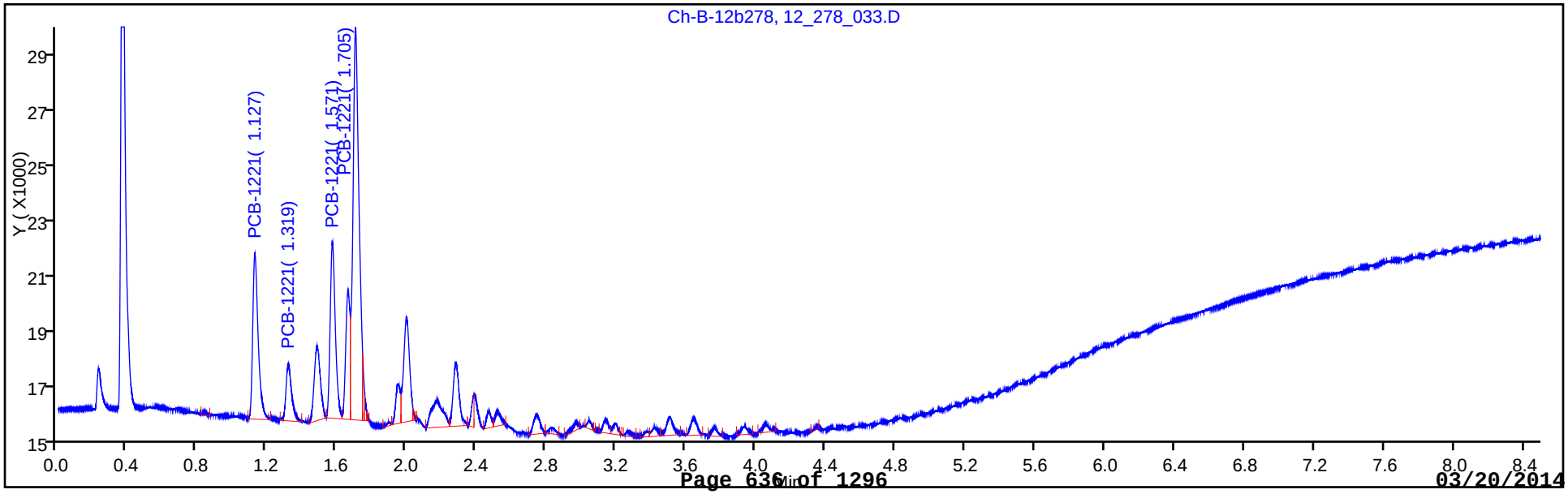
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Injection Date:	04-Mar-2014 14:13:21	Instrument ID:	HP5890-12	Operator ID:	buftchrom
Lims ID:	STD21	Lab Sample ID:		Worklist Smp#:	10
Client ID:					
Injection Vol:	1.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	0
Method:	hp12_pcb	Limit Group:	GC - 8082A PCB ICAL		

Column: ZB-5 (0.25 mm)



Column: ZB-35 (0.53 mm)



FORM VI
PCBS INITIAL CALIBRATION DATA
EXTERNAL STANDARD RETENTION TIME SUMMARY

Lab Name: TestAmerica Buffalo Job No.: 480-55783-1 Analy Batch No.: 168468

SDG No.:

Instrument ID: HP5890-12 GC Column: ZB-35 ID: 0.53(mm) Heated Purge: (Y/N) N

Calibration Start Date: 03/04/2014 14:42 Calibration End Date: 03/04/2014 14:42 Calibration ID: 17654

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	STD32 480-168468/12	12_278_035.D

ANALYTE	LVL 1										RT WINDOW	AVG RT
PCB-1232 Peak 1	1.705										1.673 - 1.733	1.705
PCB-1232 Peak 2	1.993										1.961 - 2.021	1.993
PCB-1232 Peak 3	2.280										2.248 - 2.308	2.280
PCB-1232 Peak 4	2.385										2.353 - 2.413	2.385

FORM VI
PCBS INITIAL CALIBRATION DATA
EXTERNAL STANDARD CURVE EVALUATION

Lab Name: TestAmerica Buffalo Job No.: 480-55783-1 Analy Batch No.: 168468

SDG No.:

Instrument ID: HP5890-12 GC Column: ZB-35 ID: 0.53(mm) Heated Purge: (Y/N) N

Calibration Start Date: 03/04/2014 14:42 Calibration End Date: 03/04/2014 14:42 Calibration ID: 17654

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	STD32 480-168468/12	12_278_035.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	56708				Ave		56708.0000						20.0			
PCB-1232 Peak 2	58078				Ave		58078.0000						20.0			
PCB-1232 Peak 3	73664				Ave		73664.0000						20.0			
PCB-1232 Peak 4	35644				Ave		35644.0000						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.: 480-55783-1 Analy Batch No.: 168468

SDG No.:

Instrument ID: HP5890-12 GC Column: ZB-35 ID: 0.53(mm) Heated Purge: (Y/N) N

Calibration Start Date: 03/04/2014 14:42 Calibration End Date: 03/04/2014 14:42 Calibration ID: 17654

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	STD32 480-168468/12	12_278_035.D

ANALYTE	CURVE TYPE	RESPONSE					CONCENTRATION (NG/UL)				
		LVL 1					LVL 1				
PCB-1232 Peak 1	Ave	28354					0.500				
PCB-1232 Peak 2	Ave	29039					0.500				
PCB-1232 Peak 3	Ave	36832					0.500				
PCB-1232 Peak 4	Ave	17822					0.500				

Curve Type Legend:

Ave = Average

TestAmerica Buffalo
Target Compound Quantitation Report

Data File: \\Bufchrom\ChromData\HP5890-12\20140304-29925.b\12_278_035.D
Lims ID: STD32 Lab Sample ID:
Client ID:
Sample Type: IC Calib Level: 1
Inject. Date: 04-Mar-2014 14:42:48 ALS Bottle#: 0 Worklist Smp#: 12
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info:
Operator ID: buftchrom Instrument ID: HP5890-12
Sublist: chrom-hp12_pcb*sub4

Method: \\Bufchrom\ChromData\HP5890-12\20140304-29925.b\hp12_pcb.m
Limit Group: GC - 8082A PCB ICAL
Last Update: 05-Mar-2014 14:06:53 Calib Date: 05-Mar-2014 12:39:00
Integrator: Falcon
Quant Method: External Standard Quant By: Initial Calibration
Last ICal File: \\Bufchrom\ChromData\HP5890-12\20140304-29925.b\12_278_050.D

Column 1 : ZB-5 (0.25 mm) Det: Ch-A-7A136
Column 2 : ZB-35 (0.53 mm) Det: Ch-B-7b136
Process Host: XAWRK021

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	On-Col Amt ng/uL	Flags
5 PCB-1232						
1	2.307	2.303	0.004	52713	0.5000	
1	2.980	2.978	0.002	63111	0.5000	
1	3.066	3.063	0.003	28553	0.5000	
1	3.441	3.429	0.012	32663	0.5000	
		Average of Peak Amounts =			0.5000	
2	1.705	1.703	0.002	28354	0.5000	
2	1.993	1.991	0.002	29039	0.5000	
2	2.280	2.278	0.002	36832	0.5000	
2	2.385	2.383	0.002	17822	0.5000	
		Average of Peak Amounts =			0.5000	
					RPD = 0.00	

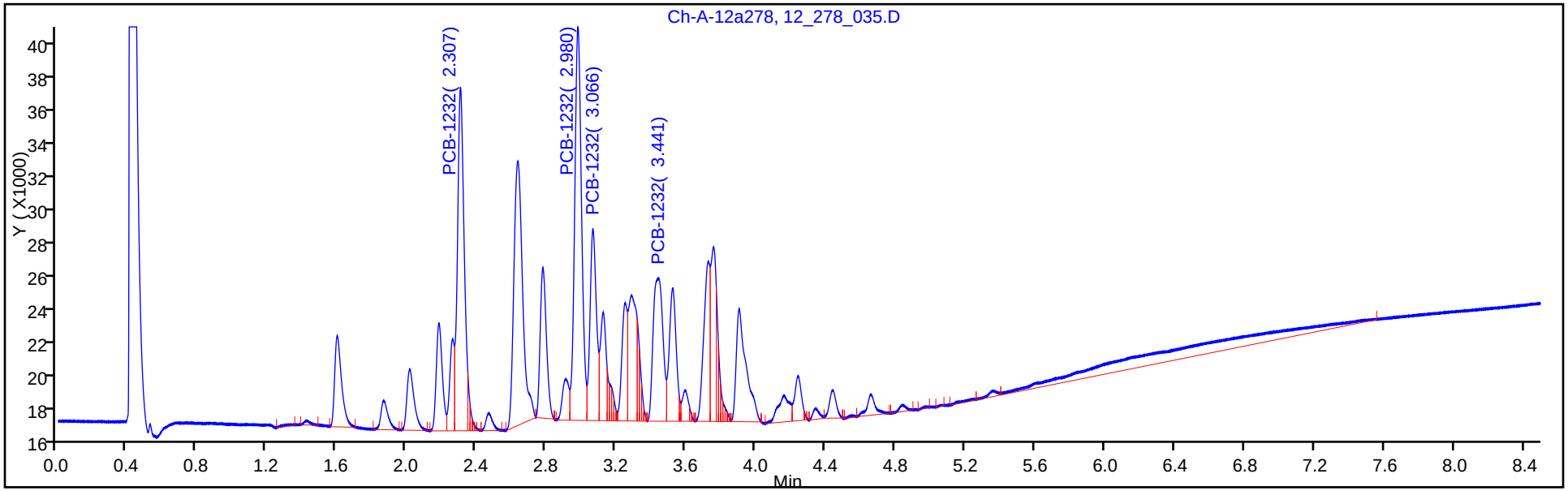
Report Date: 05-Mar-2014 14:06:54 Chrom Revision: 2.1 17-Feb-2014 09:05:58

TestAmerica Buffalo

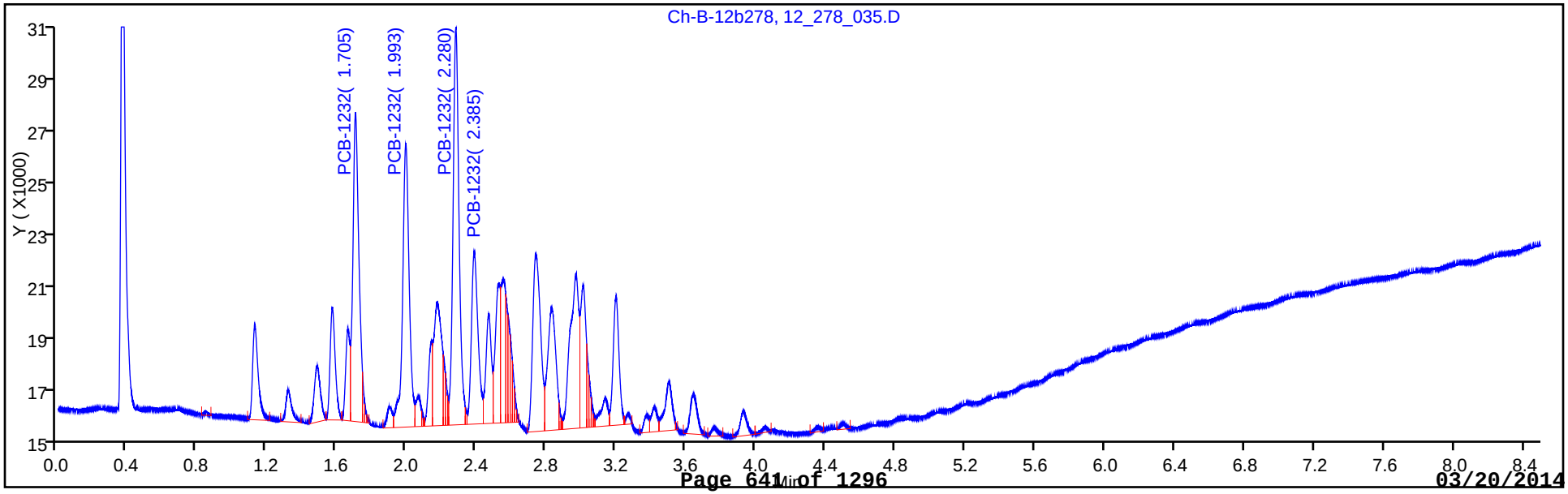
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Injection Date:	04-Mar-2014 14:42:48	Instrument ID:	HP5890-12	Operator ID:	buftchrom
Lims ID:	STD32	Lab Sample ID:		Worklist Smp#:	12
Client ID:					
Injection Vol:	1.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	0
Method:	hp12_pcb	Limit Group:	GC - 8082A PCB ICAL		

Column: ZB-5 (0.25 mm)



Column: ZB-35 (0.53 mm)



FORM VI
PCBS INITIAL CALIBRATION DATA
EXTERNAL STANDARD RETENTION TIME SUMMARY

Lab Name: TestAmerica Buffalo Job No.: 480-55783-1 Analy Batch No.: 168468

SDG No.:

Instrument ID: HP5890-12 GC Column: ZB-35 ID: 0.53(mm) Heated Purge: (Y/N) N

Calibration Start Date: 03/04/2014 15:12 Calibration End Date: 03/04/2014 15:12 Calibration ID: 17660

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	STD42 480-168468/14	12_278_037.D

ANALYTE	LVL 1										RT WINDOW	AVG RT
PCB-1242 Peak 1	1.993										1.959 - 2.019	1.993
PCB-1242 Peak 2	2.280										2.248 - 2.308	2.280
PCB-1242 Peak 3	2.386										2.353 - 2.413	2.386
PCB-1242 Peak 4	2.738										2.706 - 2.766	2.738

FORM VI
PCBS INITIAL CALIBRATION DATA
EXTERNAL STANDARD CURVE EVALUATION

Lab Name: TestAmerica Buffalo Job No.: 480-55783-1 Analy Batch No.: 168468

SDG No.:

Instrument ID: HP5890-12 GC Column: ZB-35 ID: 0.53(mm) Heated Purge: (Y/N) N

Calibration Start Date: 03/04/2014 15:12 Calibration End Date: 03/04/2014 15:12 Calibration ID: 17660

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	STD42 480-168468/14	12_278_037.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	85878				Ave		85878.0000						20.0			
PCB-1242 Peak 2	132516				Ave		132516.000						20.0			
PCB-1242 Peak 3	65226				Ave		65226.0000						20.0			
PCB-1242 Peak 4	81534				Ave		81534.0000						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.: 480-55783-1 Analy Batch No.: 168468

SDG No.:

Instrument ID: HP5890-12 GC Column: ZB-35 ID: 0.53(mm) Heated Purge: (Y/N) N

Calibration Start Date: 03/04/2014 15:12 Calibration End Date: 03/04/2014 15:12 Calibration ID: 17660

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	STD42 480-168468/14	12_278_037.D

ANALYTE	CURVE TYPE	RESPONSE					CONCENTRATION (NG/UL)				
		LVL 1					LVL 1				
PCB-1242 Peak 1	Ave	42939					0.500				
PCB-1242 Peak 2	Ave	66258					0.500				
PCB-1242 Peak 3	Ave	32613					0.500				
PCB-1242 Peak 4	Ave	40767					0.500				

Curve Type Legend:

Ave = Average

TestAmerica Buffalo
Target Compound Quantitation Report

Data File: \\Bufchrom\ChromData\HP5890-12\20140304-29925.b\12_278_037.D
Lims ID: STD42 Lab Sample ID:
Client ID:
Sample Type: IC Calib Level: 1
Inject. Date: 04-Mar-2014 15:12:11 ALS Bottle#: 0 Worklist Smp#: 14
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: Name: LCS 480-167179/2-A
Misc. Info.: Study: 480-0029712-005 Channel B: I/F Serial#, 4251271896
Operator ID: buftchrom Instrument ID: HP5890-12
Sublist: chrom-hp12_pcb*sub5

Method: \\Bufchrom\ChromData\HP5890-12\20140304-29925.b\hp12_pcb.m
Limit Group: GC - 8082A PCB ICAL
Last Update: 05-Mar-2014 14:07:00 Calib Date: 05-Mar-2014 12:39:00
Integrator: Falcon
Quant Method: External Standard Quant By: Initial Calibration
Last ICal File: \\Bufchrom\ChromData\HP5890-12\20140304-29925.b\12_278_050.D

Column 1 : ZB-5 (0.25 mm) Det: Ch-A-7A136
Column 2 : ZB-35 (0.53 mm) Det: Ch-B-7b136
Process Host: XAWRK021

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	On-Col Amt ng/uL	Flags
4 PCB-1242						
1	2.634	2.630	0.004	84937	0.5000	
1	2.981	2.977	0.004	120285	0.5000	
1	3.066	3.062	0.004	52154	0.5000	
1	3.433	3.425	0.008	66983	0.5000	
		Average of Peak Amounts =			0.5000	
2	1.993	1.989	0.004	42939	0.5000	
2	2.280	2.278	0.002	66258	0.5000	
2	2.386	2.383	0.003	32613	0.5000	
2	2.738	2.736	0.002	40767	0.5000	
		Average of Peak Amounts =			0.5000	
					RPD = 0.00	

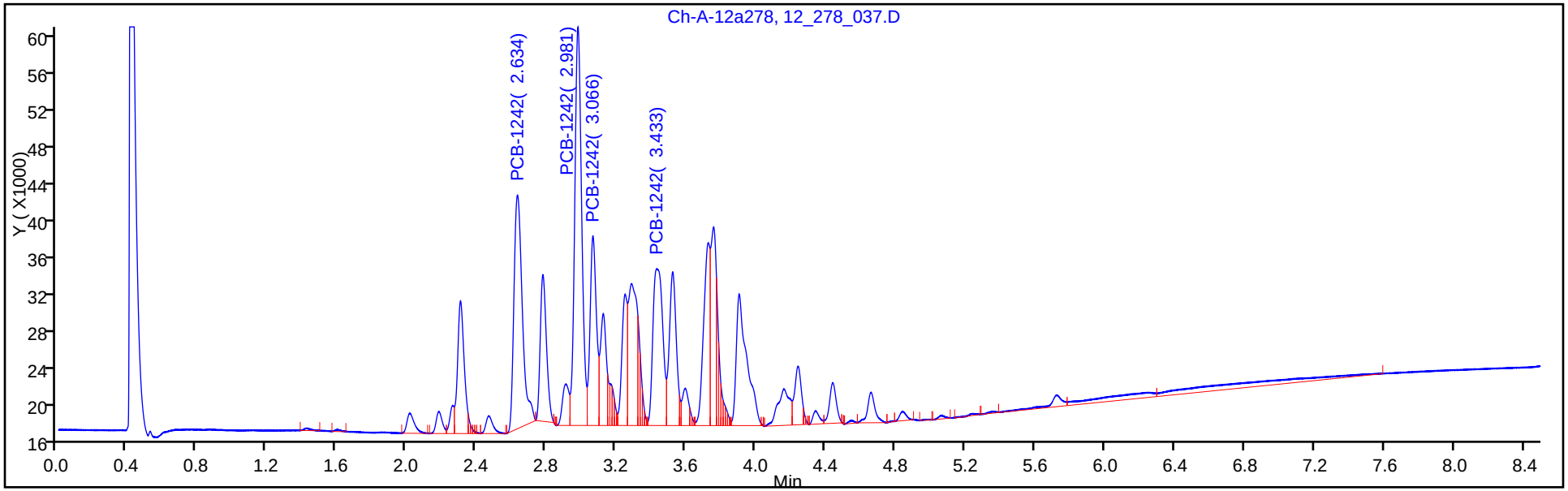
Report Date: 05-Mar-2014 14:07:00 Chrom Revision: 2.1 17-Feb-2014 09:05:58

TestAmerica Buffalo

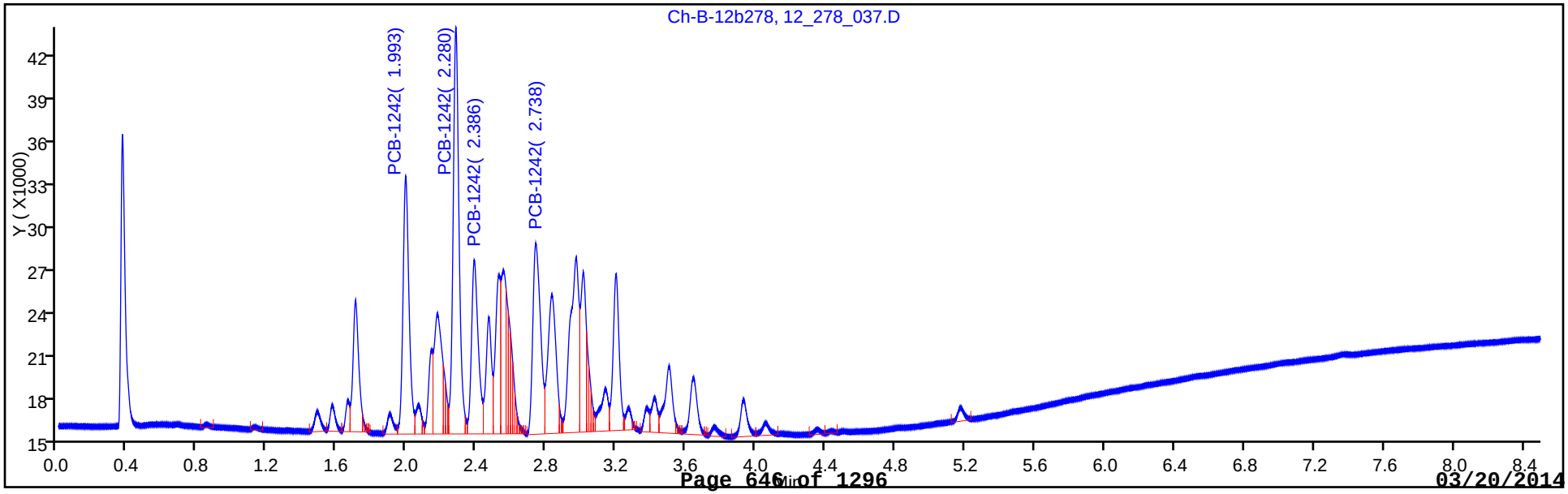
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Injection Date:	04-Mar-2014 15:12:11	Instrument ID:	HP5890-12	Operator ID:	buftchrom
Lims ID:	STD42	Lab Sample ID:		Worklist Smp#:	14
Client ID:					
Injection Vol:	1.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	0
Method:	hp12_pcb	Limit Group:	GC - 8082A PCB ICAL		

Column: ZB-5 (0.25 mm)



Column: ZB-35 (0.53 mm)



FORM VI
PCBS INITIAL CALIBRATION DATA
EXTERNAL STANDARD RETENTION TIME SUMMARY

Lab Name: TestAmerica Buffalo Job No.: 480-55783-1 Analy Batch No.: 168468

SDG No.:

Instrument ID: HP5890-12 GC Column: ZB-35 ID: 0.53(mm) Heated Purge: (Y/N) N

Calibration Start Date: 03/04/2014 15:41 Calibration End Date: 03/04/2014 15:41 Calibration ID: 17678

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	STD48 480-168468/16	12_278_039.D

ANALYTE	LVL 1										RT WINDOW	AVG RT
PCB-1248 Peak 1	2.971										2.941 - 3.001	2.971
PCB-1248 Peak 2	3.011										2.981 - 3.041	3.011
PCB-1248 Peak 3	3.139										3.109 - 3.169	3.139
PCB-1248 Peak 4	3.197										3.167 - 3.227	3.197

FORM VI
PCBS INITIAL CALIBRATION DATA
EXTERNAL STANDARD CURVE EVALUATION

Lab Name: TestAmerica Buffalo Job No.: 480-55783-1 Analy Batch No.: 168468

SDG No.:

Instrument ID: HP5890-12 GC Column: ZB-35 ID: 0.53(mm) Heated Purge: (Y/N) N

Calibration Start Date: 03/04/2014 15:41 Calibration End Date: 03/04/2014 15:41 Calibration ID: 17678

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	STD48 480-168468/16	12_278_039.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	141896				Ave		141896.000						20.0			
PCB-1248 Peak 2	99550				Ave		99550.0000						20.0			
PCB-1248 Peak 3	52208				Ave		52208.0000						20.0			
PCB-1248 Peak 4	91716				Ave		91716.0000						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.: 480-55783-1 Analy Batch No.: 168468

SDG No.:

Instrument ID: HP5890-12 GC Column: ZB-35 ID: 0.53(mm) Heated Purge: (Y/N) N

Calibration Start Date: 03/04/2014 15:41 Calibration End Date: 03/04/2014 15:41 Calibration ID: 17678

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	STD48 480-168468/16	12_278_039.D

ANALYTE	CURVE TYPE	RESPONSE					CONCENTRATION (NG/UL)				
		LVL 1					LVL 1				
PCB-1248 Peak 1	Ave	70948					0.500				
PCB-1248 Peak 2	Ave	49775					0.500				
PCB-1248 Peak 3	Ave	26104					0.500				
PCB-1248 Peak 4	Ave	45858					0.500				

Curve Type Legend:

Ave = Average

TestAmerica Buffalo
Target Compound Quantitation Report

Data File: \\Bufchrom\ChromData\HP5890-12\20140304-29925.b\12_278_039.D
Lims ID: STD48 Lab Sample ID:
Client ID:
Sample Type: IC Calib Level: 1
Inject. Date: 04-Mar-2014 15:41:38 ALS Bottle#: 0 Worklist Smp#: 16
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: Name: 480-53782-B-9-A
Misc. Info.: Study: 480-0029712-007 Channel B: I/F Serial#, 4251271896
Operator ID: buftchrom Instrument ID: HP5890-12
Sublist: chrom-hp12_pcb*sub6

Method: \\Bufchrom\ChromData\HP5890-12\20140304-29925.b\hp12_pcb.m
Limit Group: GC - 8082A PCB ICAL
Last Update: 05-Mar-2014 14:07:06 Calib Date: 05-Mar-2014 12:39:00
Integrator: Falcon
Quant Method: External Standard Quant By: Initial Calibration
Last ICal File: \\Bufchrom\ChromData\HP5890-12\20140304-29925.b\12_278_050.D

Column 1 : ZB-5 (0.25 mm) Det: Ch-A-7A136
Column 2 : ZB-35 (0.53 mm) Det: Ch-B-7b136
Process Host: XAWRK021

First Level Reviewer: michalej Date: 05-Mar-2014 13:46:55

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	On-Col Amt ng/uL	Flags
7 PCB-1248						
1	3.251	3.251	0.0	56634	0.5000	a
1	3.728	3.728	0.0	85028	0.5000	a
1	3.759	3.759	0.0	115161	0.5000	M
1	3.905	3.905	0.0	57345	0.5000	a
		Average of Peak Amounts =			0.5000	
2	2.971	2.971	0.0	70948	0.5000	
2	3.011	3.011	0.0	49775	0.5000	M
2	3.139	3.139	0.0	26104	0.5000	
2	3.197	3.197	0.0	45858	0.5000	
		Average of Peak Amounts =			0.5000	
					RPD = 0.00	

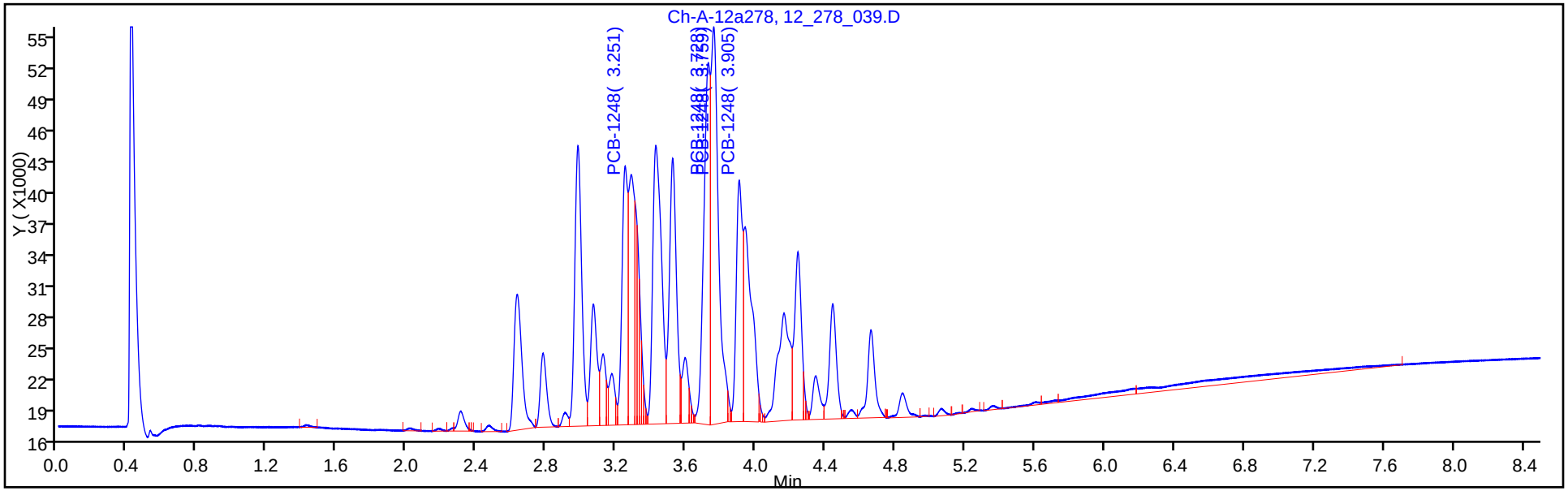
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TestAmerica Buffalo

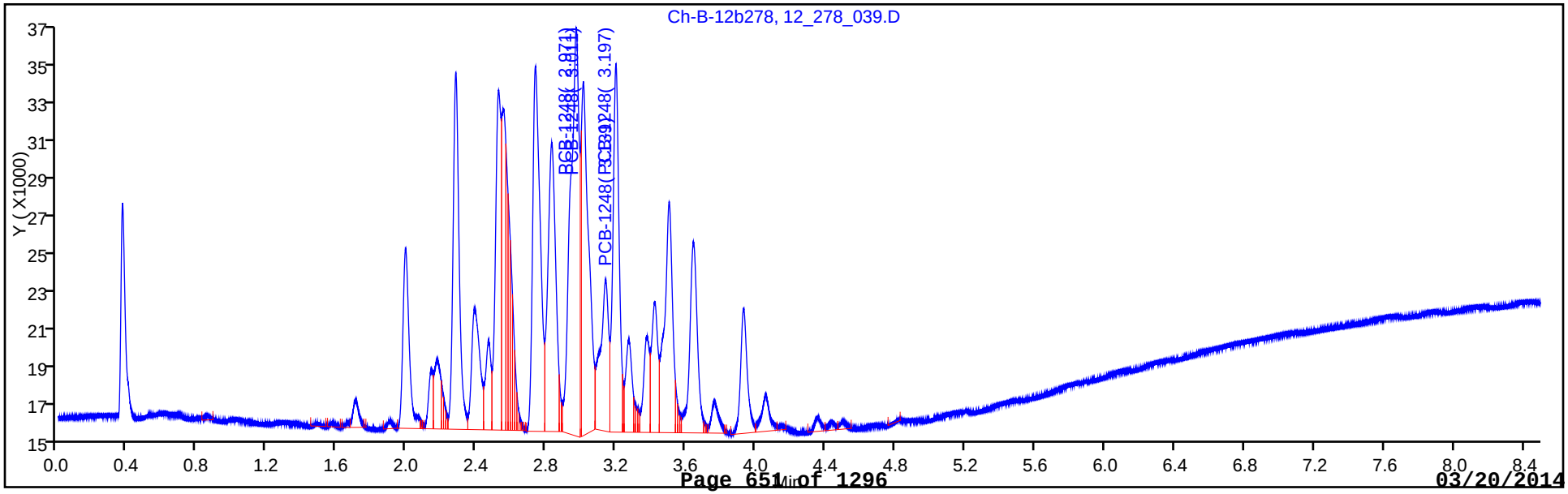
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Injection Date:	04-Mar-2014 15:41:38	Instrument ID:	HP5890-12	Operator ID:	buftchrom
Lims ID:	STD48	Lab Sample ID:		Worklist Smp#:	16
Client ID:					
Injection Vol:	1.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	0
Method:	hp12_pcb	Limit Group:	GC - 8082A PCB ICAL		

Column: ZB-5 (0.25 mm)



Column: ZB-35 (0.53 mm)



FORM VI
PCBS INITIAL CALIBRATION DATA
EXTERNAL STANDARD RETENTION TIME SUMMARY

Lab Name: TestAmerica Buffalo Job No.: 480-55783-1 Analy Batch No.: 168468

SDG No.:

Instrument ID: HP5890-12 GC Column: ZB-35 ID: 0.53(mm) Heated Purge: (Y/N) N

Calibration Start Date: 03/04/2014 16:11 Calibration End Date: 03/04/2014 16:11 Calibration ID: 17684

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	STD54 480-168468/18	12_278_041.D

ANALYTE	LVL 1										RT WINDOW	AVG RT
PCB-1254 Peak 1	3.422										3.390 - 3.450	3.422
PCB-1254 Peak 2	3.504										3.472 - 3.532	3.504
PCB-1254 Peak 3	3.641										3.609 - 3.669	3.641
PCB-1254 Peak 4	3.761										3.728 - 3.788	3.761

FORM VI
PCBS INITIAL CALIBRATION DATA
EXTERNAL STANDARD CURVE EVALUATION

Lab Name: TestAmerica Buffalo Job No.: 480-55783-1 Analy Batch No.: 168468

SDG No.:

Instrument ID: HP5890-12 GC Column: ZB-35 ID: 0.53(mm) Heated Purge: (Y/N) N

Calibration Start Date: 03/04/2014 16:11 Calibration End Date: 03/04/2014 16:11 Calibration ID: 17684

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	STD54 480-168468/18	12_278_041.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	82762				Ave		82762.0000						20.0			
PCB-1254 Peak 2	190802				Ave		190802.000						20.0			
PCB-1254 Peak 3	174480				Ave		174480.000						20.0			
PCB-1254 Peak 4	74174				Ave		74174.0000						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.: 480-55783-1 Analy Batch No.: 168468

SDG No.:

Instrument ID: HP5890-12 GC Column: ZB-35 ID: 0.53(mm) Heated Purge: (Y/N) N

Calibration Start Date: 03/04/2014 16:11 Calibration End Date: 03/04/2014 16:11 Calibration ID: 17684

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	STD54 480-168468/18	12_278_041.D

ANALYTE	CURVE TYPE	RESPONSE					CONCENTRATION (NG/UL)				
		LVL 1					LVL 1				
PCB-1254 Peak 1	Ave	41381					0.500				
PCB-1254 Peak 2	Ave	95401					0.500				
PCB-1254 Peak 3	Ave	87240					0.500				
PCB-1254 Peak 4	Ave	37087					0.500				

Curve Type Legend:

Ave = Average

TestAmerica Buffalo
Target Compound Quantitation Report

Data File: \\Bufchrom\ChromData\HP5890-12\20140304-29925.b\12_278_041.D
Lims ID: STD54 Lab Sample ID:
Client ID:
Sample Type: IC Calib Level: 1
Inject. Date: 04-Mar-2014 16:11:02 ALS Bottle#: 0 Worklist Smp#: 18
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: Name: 480-53877-A-1-C
Misc. Info.: Study: 480-0029712-009 Channel B: I/F Serial#, 4251271896
Operator ID: buftchrom Instrument ID: HP5890-12
Sublist: chrom-hp12_pcb*sub7

Method: \\Bufchrom\ChromData\HP5890-12\20140304-29925.b\hp12_pcb.m
Limit Group: GC - 8082A PCB ICAL
Last Update: 05-Mar-2014 14:07:12 Calib Date: 05-Mar-2014 12:39:00
Integrator: Falcon
Quant Method: External Standard Quant By: Initial Calibration
Last ICal File: \\Bufchrom\ChromData\HP5890-12\20140304-29925.b\12_278_050.D

Column 1 : ZB-5 (0.25 mm) Det: Ch-A-7A136
Column 2 : ZB-35 (0.53 mm) Det: Ch-B-7b136
Process Host: XAWRK021

First Level Reviewer: michalej Date: 05-Mar-2014 08:53:12

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	On-Col Amt ng/uL	Flags
8 PCB-1254						M
1	4.161	4.157	0.004	103108	0.5000	
1	4.241	4.237	0.004	130430	0.5000	
1	4.348	4.343	0.005	34956	0.5000	
1	4.439	4.435	0.004	133034	0.5000	
		Average of Peak Amounts =			0.5000	
2	3.422	3.420	0.002	41381	0.5000	M
2	3.504	3.502	0.002	95401	0.5000	M
2	3.641	3.639	0.002	87240	0.5000	M
2	3.761	3.758	0.003	37087	0.5000	M
		Average of Peak Amounts =			0.5000	
					RPD = 0.00	

QC Flag Legend

Review Flags
M - Manually Integrated

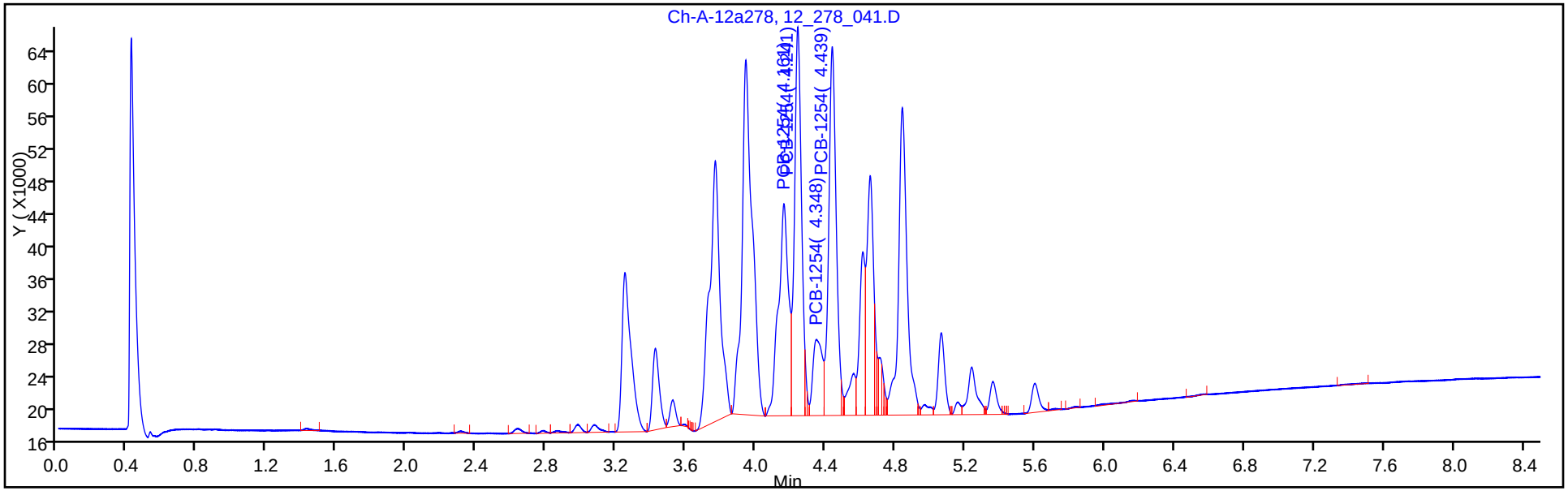
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TestAmerica Buffalo

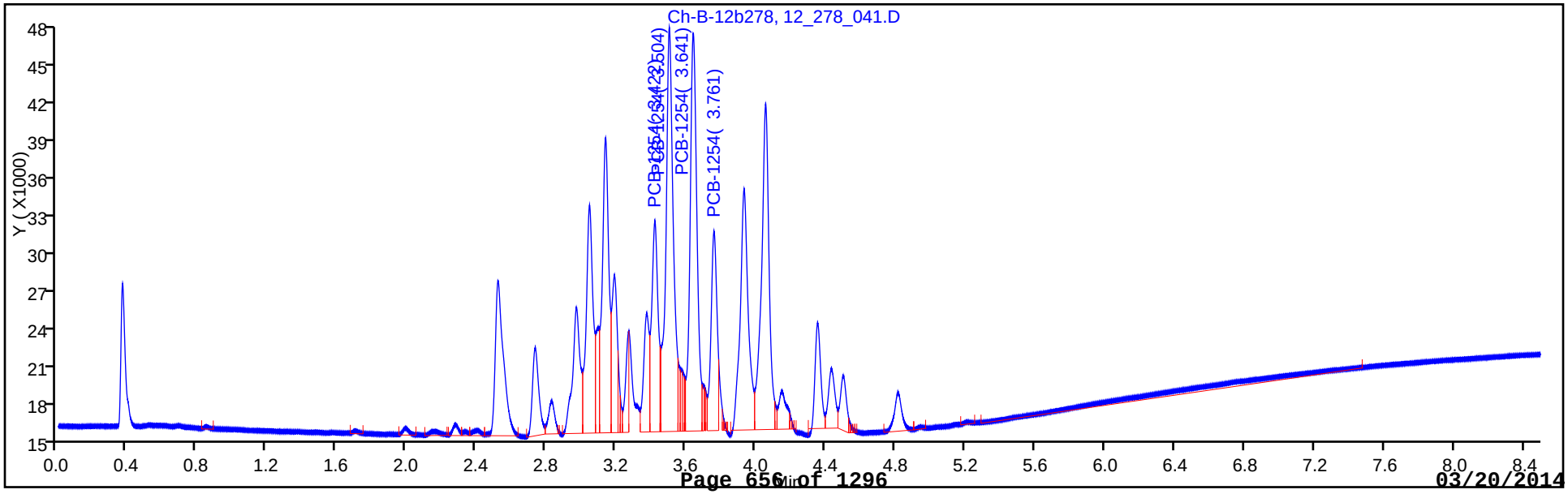
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Injection Date:	04-Mar-2014 16:11:02	Instrument ID:	HP5890-12	Operator ID:	buftchrom
Lims ID:	STD54	Lab Sample ID:		Worklist Smp#:	18
Client ID:					
Injection Vol:	1.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	0
Method:	hp12_pcb	Limit Group:	GC - 8082A PCB ICAL		

Column: ZB-5 (0.25 mm)



Column: ZB-35 (0.53 mm)



Report Date: 05-Mar-2014 14:07:13 Chrom Revision: 2.1 17-Feb-2014 09:05:58

TestAmerica Buffalo

Data File: \\Bufchrom\ChromData\HP5890-12\20140304-29925.b\12_278_041.D

Injection Date: 04-Mar-2014 16:11:02 Instrument ID: HP5890-12

Lims ID: STD54 Lab Sample ID:

Client ID:

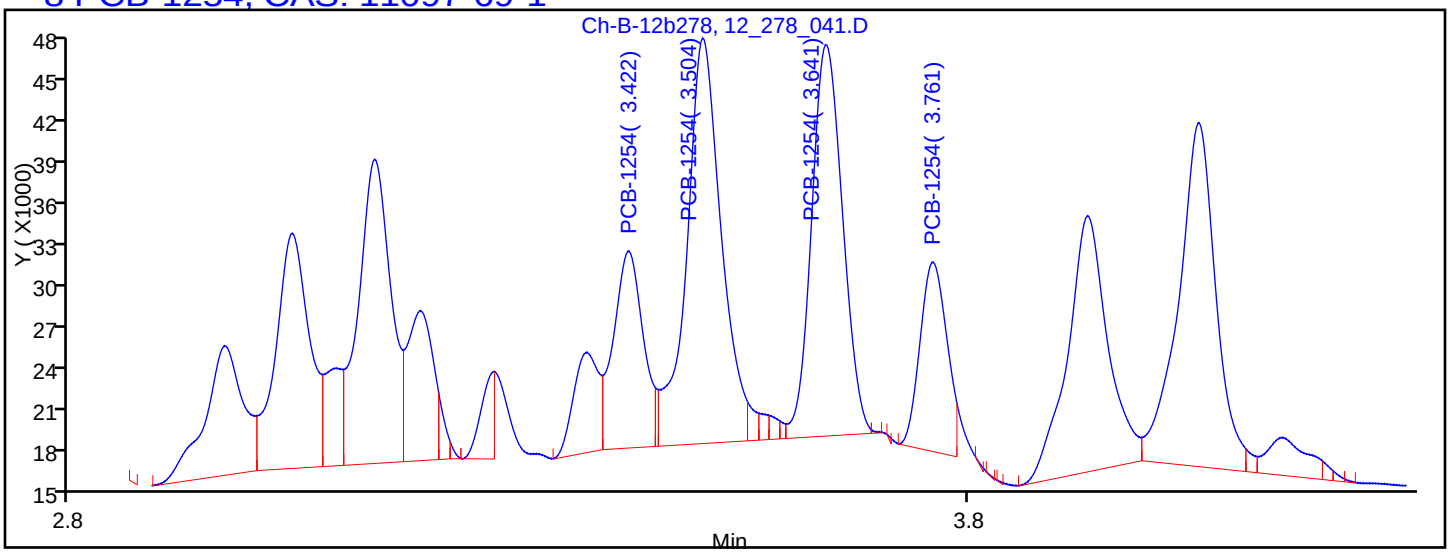
Operator ID: buftchrom ALS Bottle#: 0 Worklist Smp#: 18

Injection Vol: 1.0 ul Dil. Factor: 1.0000

Method: hp12_pcb Limit Group: GC - 8082A PCB ICAL

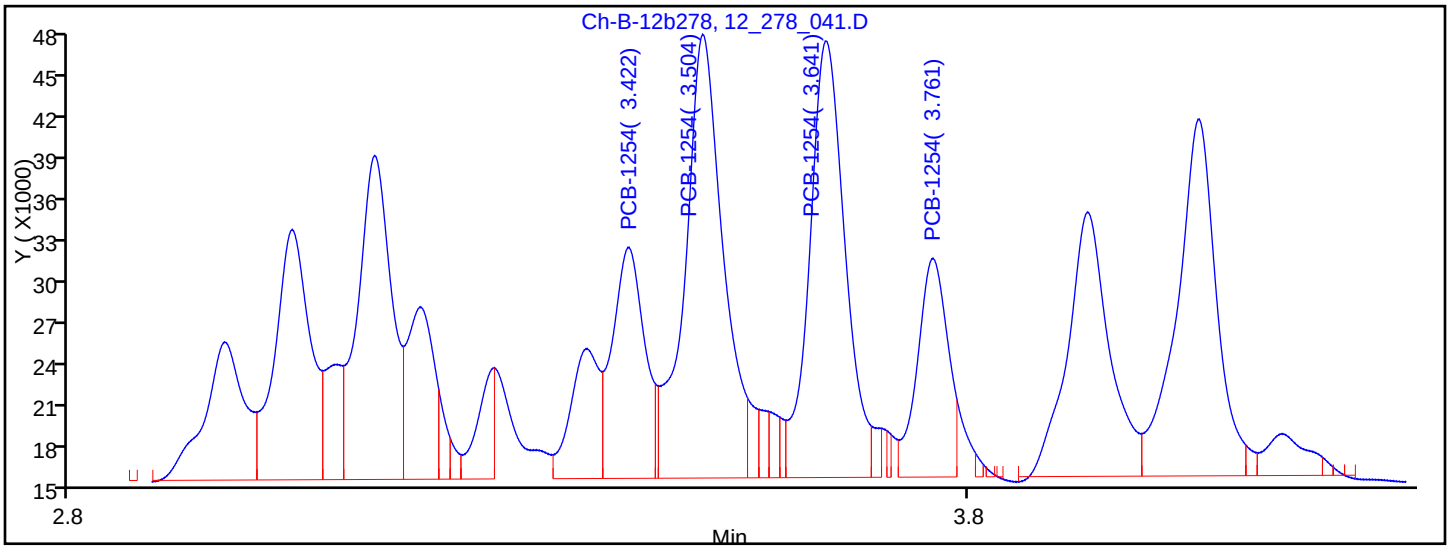
Column: ZB-35 (0.53 mm) Detector Ch-B-7b136

8 PCB-1254, CAS: 11097-69-1



Processing Integration Results

RT = 3.422	Response = 32681	M
RT = 3.504	Response = 78874	M
RT = 3.641	Response = 68441	M
RT = 3.761	Response = 28442	M



Manual Integration Results

RT = 3.422	Response = 41381	M
RT = 3.504	Response = 95401	M
RT = 3.641	Response = 87240	M
RT = 3.761	Response = 37087	M

Reviewer: michalej, 05-Mar-2014 13:43:05

Audit Action: Assigned New Baseline

Audit Reason: Incomplete Integration

FORM VII
PCBS CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Buffalo Job No.: 480-55783-1

SDG No.:

Lab Sample ID: CCV 480-170037/29 Calibration Date: 03/14/2014 10:24

Instrument ID: HP5890-12 Calib Start Date: 03/04/2014 12:15

GC Column: ZB-35 ID: 0.53(mm) Calib End Date: 03/04/2014 13:43

Lab File ID: 12_279_117.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	173546	172522		0.497	0.500	-0.6	20.0
PCB-1016 Peak 2	Ave	81678	82300		0.504	0.500	0.8	20.0
PCB-1016 Peak 3	Ave	100971	98818		0.489	0.500	-2.1	20.0
PCB-1016 Peak 4	Ave	70716	75568		0.534	0.500	6.9	20.0
PCB-1260 Peak 1	Ave	112042	106350		0.475	0.500	-5.1	20.0
PCB-1260 Peak 2	Ave	112344	105790		0.471	0.500	-5.8	20.0
PCB-1260 Peak 3	Ave	227597	211782		0.465	0.500	-6.9	20.0
PCB-1260 Peak 4	Ave	226500	219184		0.484	0.500	-3.2	20.0
Tetrachloro-m-xylene	Ave	2109408	1911333		0.0272	0.0300	-9.4	20.0
DCB Decachlorobiphenyl	Ave	2986524	2889400		0.0290	0.0300	-3.3	20.0

FORM VII
PCBS CONTINUING CALIBRATION RETENTION TIME SUMMARY

Lab Name: TestAmerica Buffalo Job No.: 480-55783-1

SDG No.:

Lab Sample ID: CCV 480-170037/29 Calibration Date: 03/14/2014 10:24

Instrument ID: HP5890-12 Calib Start Date: 03/04/2014 12:15

GC Column: ZB-35 ID: 0.53(mm) Calib End Date: 03/04/2014 13:43

Lab File ID: 12_279_117.D

Analyte	RT	RT WINDOW	
		FROM	TO
PCB-1016 Peak 1	2.27	2.24	2.30
PCB-1016 Peak 2	2.38	2.35	2.41
PCB-1016 Peak 3	2.73	2.70	2.76
PCB-1016 Peak 4	2.82	2.79	2.85
PCB-1260 Peak 1	4.34	4.31	4.37
PCB-1260 Peak 2	4.42	4.39	4.45
PCB-1260 Peak 3	4.49	4.46	4.52
PCB-1260 Peak 4	4.80	4.77	4.83
Tetrachloro-m-xylene	1.36	1.33	1.39
DCB Decachlorobiphenyl	5.70	5.67	5.73

TestAmerica Buffalo
Target Compound Quantitation Report

Data File: \\Bufchrom\ChromData\HP5890-12\20140314-30160.b\12_279_117.D
Lims ID: ccv Lab Sample ID:
Client ID:
Sample Type: CCV
Inject. Date: 14-Mar-2014 10:24:32 ALS Bottle#: 0 Worklist Smp#: 29
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info:
Operator ID: buftchrom Instrument ID: HP5890-12
Sublist: chrom-hp12_pcb*sub1

Method: \\Bufchrom\ChromData\HP5890-12\20140314-30160.b\hp12_pcb.m
Limit Group: GC - 8082A PCB ICAL
Last Update: 14-Mar-2014 12:28:18 Calib Date: 05-Mar-2014 12:39:00
Integrator: Falcon
Quant Method: External Standard Quant By: Initial Calibration
Last ICal File: \\Bufchrom\ChromData\HP5890-12\20140304-29925.b\12_278_050.D

Column 1 : ZB-5 (0.25 mm) Det: Ch-A-7A136
Column 2 : ZB-35 (0.53 mm) Det: Ch-B-7b136
Process Host: XAWRK021

First Level Reviewer: michalej Date: 14-Mar-2014 12:28:18

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	On-Col Amt ng/uL	Flags
$ 3 Tetrachloro-m-xylene						
1	2.044	2.044	0.0	113083	0.0288	
2	1.359	1.359	0.0	57340	0.0272	
					RPD = 5.94	
6 PCB-1016						
1	2.978	2.978	0.0	153471	0.5235	
1	3.063	3.063	0.0	65962	0.5089	
1	3.428	3.428	0.0	80199	0.5183	
1	3.520	3.520	0.0	55249	0.5333	
		Average of Peak Amounts =			0.5210	
2	2.272	2.272	0.0	86261	0.4970	
2	2.377	2.377	0.0	41150	0.5038	
2	2.728	2.728	0.0	49409	0.4893	
2	2.820	2.820	0.0	37784	0.5343	
		Average of Peak Amounts =			0.5061	
					RPD = 2.90	
9 PCB-1260						
1	4.609	4.609	0.0	180565	0.5157	
1	4.835	4.835	0.0	172412	0.5459	
1	5.355	5.355	0.0	160262	0.5190	
1	5.597	5.597	0.0	77368	0.5413	
		Average of Peak Amounts =			0.5305	
2	4.344	4.344	0.0	53175	0.4746	
2	4.415	4.415	0.0	52895	0.4708	
2	4.487	4.487	0.0	105891	0.4653	
2	4.803	4.803	0.0	109592	0.4839	
		Average of Peak Amounts =			0.4736	
					RPD = 11.32	

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	On-Col Amt ng/uL	Flags
$ 12 DCB Decachlorobiphenyl						
1	6.949	6.949	0.0	121393	0.0305	
2	5.695	5.695	0.0	86682	0.0290	
					RPD = 4.87	

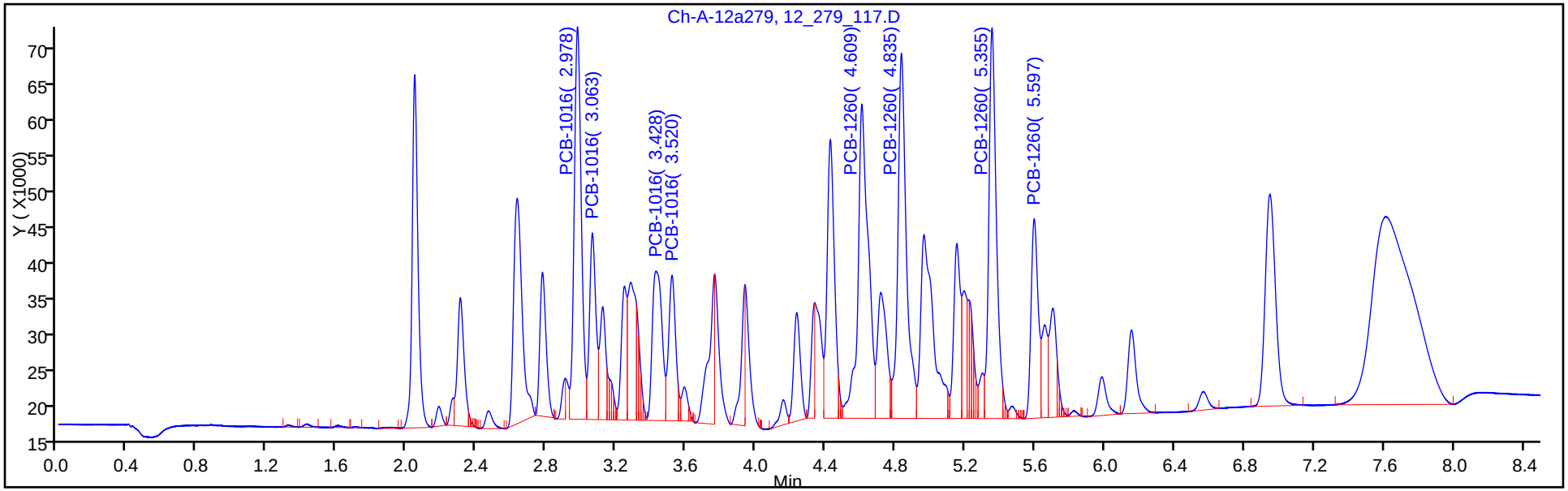
Report Date: 14-Mar-2014 12:28:20 Chrom Revision: 2.1 17-Feb-2014 09:05:58

TestAmerica Buffalo

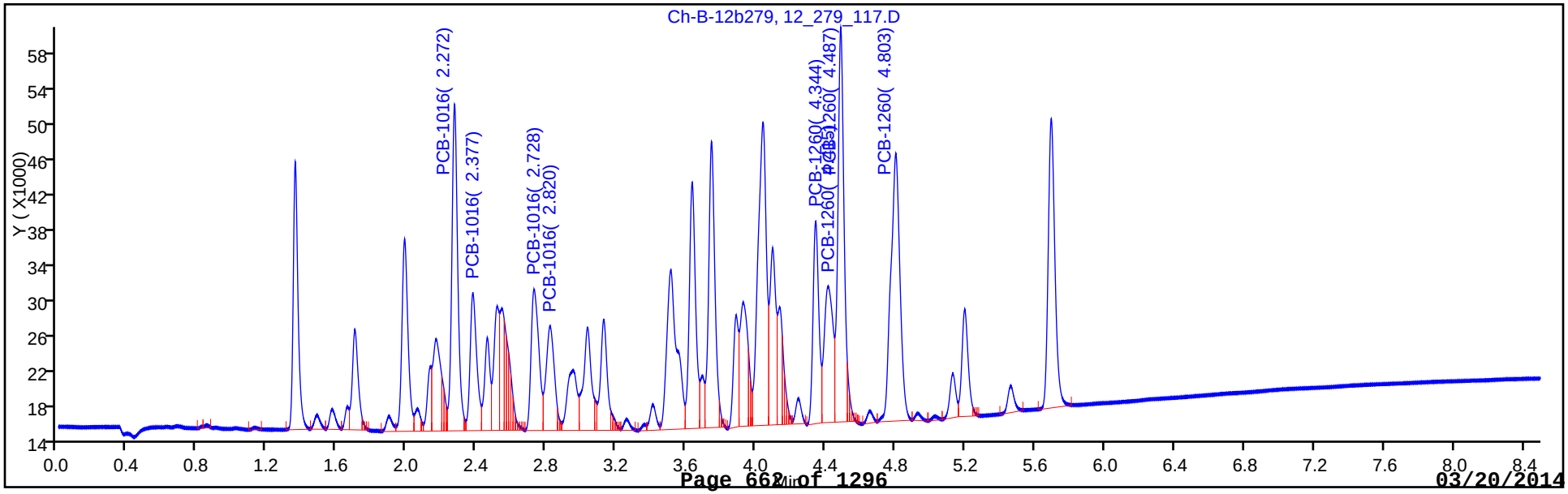
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Injection Date:	14-Mar-2014 10:24:32	Instrument ID:	HP5890-12	Operator ID:	buftchrom
Lims ID:	ccv	Lab Sample ID:		Worklist Smp#:	29
Client ID:					
Injection Vol:	1.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	0
Method:	hp12_pcb	Limit Group:	GC - 8082A PCB ICAL		

Column: ZB-5 (0.25 mm)



Column: ZB-35 (0.53 mm)



FORM VII
PCBS CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Buffalo Job No.: 480-55783-1

SDG No.:

Lab Sample ID: CCV 480-170037/39 Calibration Date: 03/14/2014 12:52

Instrument ID: HP5890-12 Calib Start Date: 03/04/2014 12:15

GC Column: ZB-35 ID: 0.53(mm) Calib End Date: 03/04/2014 13:43

Lab File ID: 12_279_127.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	173546	166288		0.479	0.500	-4.2	20.0
PCB-1016 Peak 2	Ave	81678	78970		0.483	0.500	-3.3	20.0
PCB-1016 Peak 3	Ave	100971	94680		0.469	0.500	-6.2	20.0
PCB-1016 Peak 4	Ave	70716	72180		0.510	0.500	2.1	20.0
PCB-1260 Peak 1	Ave	112042	102022		0.455	0.500	-8.9	20.0
PCB-1260 Peak 2	Ave	112344	100664		0.448	0.500	-10.4	20.0
PCB-1260 Peak 3	Ave	227597	204862		0.450	0.500	-10.0	20.0
PCB-1260 Peak 4	Ave	226500	214616		0.474	0.500	-5.2	20.0
Tetrachloro-m-xylene	Ave	2109408	1844967		0.0262	0.0300	-12.5	20.0
DCB Decachlorobiphenyl	Ave	2986524	2871933		0.0288	0.0300	-3.8	20.0

FORM VII
PCBS CONTINUING CALIBRATION RETENTION TIME SUMMARY

Lab Name: TestAmerica Buffalo Job No.: 480-55783-1

SDG No.:

Lab Sample ID: CCV 480-170037/39 Calibration Date: 03/14/2014 12:52

Instrument ID: HP5890-12 Calib Start Date: 03/04/2014 12:15

GC Column: ZB-35 ID: 0.53(mm) Calib End Date: 03/04/2014 13:43

Lab File ID: 12_279_127.D

Analyte	RT	RT WINDOW	
		FROM	TO
PCB-1016 Peak 1	2.27	2.24	2.30
PCB-1016 Peak 2	2.37	2.34	2.40
PCB-1016 Peak 3	2.73	2.70	2.76
PCB-1016 Peak 4	2.82	2.79	2.85
PCB-1260 Peak 1	4.34	4.31	4.37
PCB-1260 Peak 2	4.41	4.38	4.44
PCB-1260 Peak 3	4.49	4.46	4.52
PCB-1260 Peak 4	4.80	4.77	4.83
Tetrachloro-m-xylene	1.36	1.33	1.39
DCB Decachlorobiphenyl	5.69	5.66	5.72

TestAmerica Buffalo
Target Compound Quantitation Report

Data File: \\Bufchrom\ChromData\HP5890-12\20140314-30160.b\12_279_127.D
Lims ID: ccv Lab Sample ID:
Client ID:
Sample Type: CCV
Inject. Date: 14-Mar-2014 12:52:23 ALS Bottle#: 0 Worklist Smp#: 39
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info:
Operator ID: buftchrom Instrument ID: HP5890-12
Sublist: chrom-hp12_pcb*sub1

Method: \\Bufchrom\ChromData\HP5890-12\20140314-30160.b\hp12_pcb.m
Limit Group: GC - 8082A PCB ICAL
Last Update: 17-Mar-2014 06:59:36 Calib Date: 05-Mar-2014 12:39:00
Integrator: Falcon
Quant Method: External Standard Quant By: Initial Calibration
Last ICal File: \\Bufchrom\ChromData\HP5890-12\20140304-29925.b\12_278_050.D

Column 1 : ZB-5 (0.25 mm) Det: Ch-A-7A136
Column 2 : ZB-35 (0.53 mm) Det: Ch-B-7b136
Process Host: XAWRK018

First Level Reviewer: michalej Date: 17-Mar-2014 06:59:36

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	On-Col Amt ng/uL	Flags
$ 3 Tetrachloro-m-xylene						
1	2.042	2.042	0.0	112832	0.0288	
2	1.357	1.357	0.0	55349	0.0262	
					RPD = 9.25	
6 PCB-1016						
1	2.976	2.976	0.0	152237	0.5193	
1	3.061	3.061	0.0	65457	0.5050	
1	3.426	3.426	0.0	78437	0.5069	
1	3.517	3.517	0.0	55304	0.5339	
		Average of Peak Amounts =			0.5163	
2	2.269	2.269	0.0	83144	0.4791	
2	2.374	2.374	0.0	39485	0.4834	
2	2.725	2.725	0.0	47340	0.4688	
2	2.819	2.819	0.0	36090	0.5104	
		Average of Peak Amounts =			0.4854	
					RPD = 6.16	
9 PCB-1260						
1	4.606	4.606	0.0	186089	0.5315	
1	4.833	4.833	0.0	176838	0.5599	
1	5.352	5.352	0.0	162832	0.5274	
1	5.593	5.593	0.0	78847	0.5516	
		Average of Peak Amounts =			0.5426	
2	4.342	4.342	0.0	51011	0.4553	
2	4.412	4.412	0.0	50332	0.4480	
2	4.485	4.485	0.0	102431	0.4501	
2	4.801	4.801	0.0	107308	0.4738	
		Average of Peak Amounts =			0.4568	
					RPD = 17.17	

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	On-Col Amt ng/uL	Flags
$ 12 DCB Decachlorobiphenyl						
1	6.945	6.945	0.0	124526	0.0313	
2	5.691	5.691	0.0	86158	0.0288	
					RPD = 8.02	

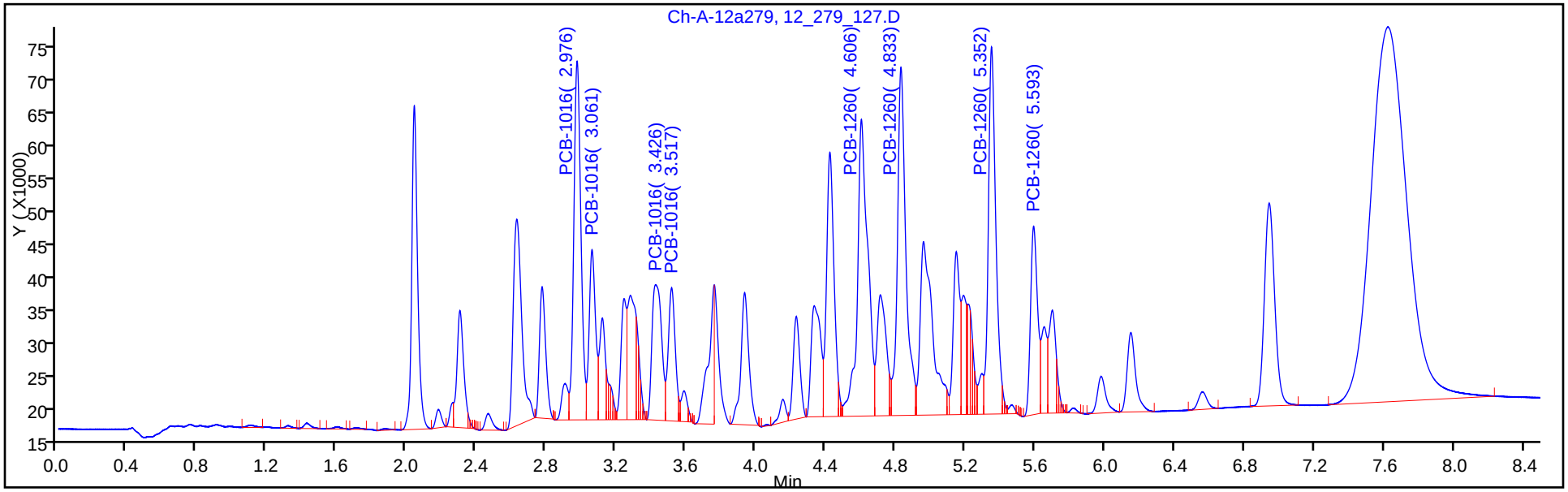
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TestAmerica Buffalo

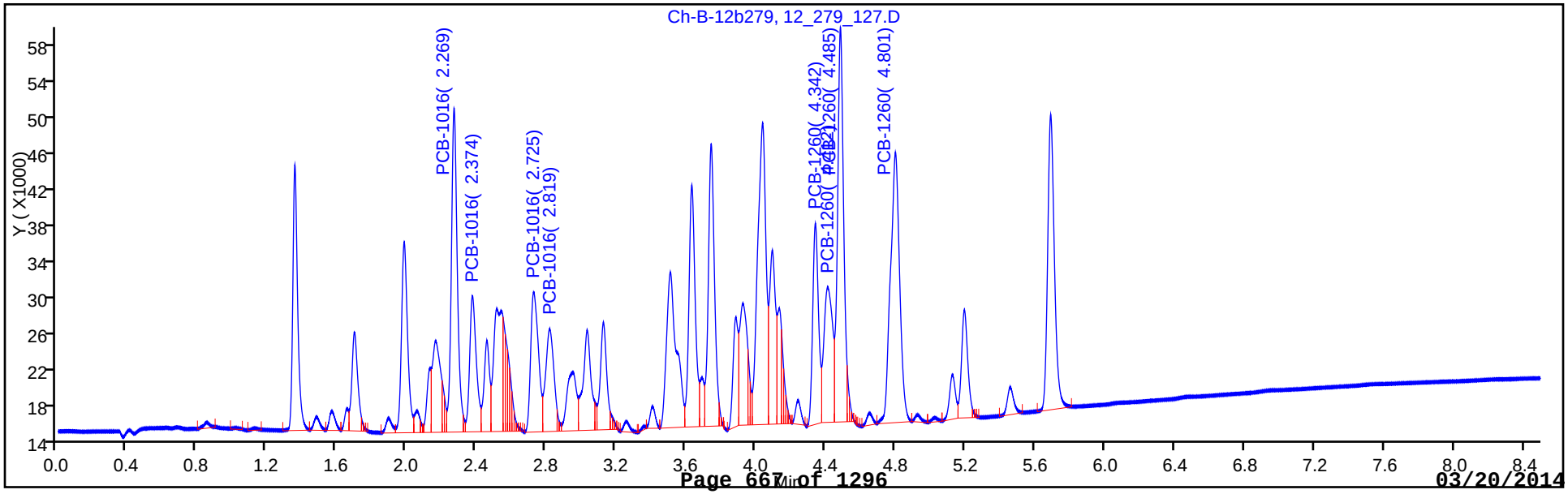
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Injection Date:	14-Mar-2014 12:52:23	Instrument ID:	HP5890-12	Operator ID:	buftchrom
Lims ID:	ccv	Lab Sample ID:		Worklist Smp#:	39
Client ID:					
Injection Vol:	1.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	0
Method:	hp12_pcb	Limit Group:	GC - 8082A PCB ICAL		

Column: ZB-5 (0.25 mm)



Column: ZB-35 (0.53 mm)



FORM VII
PCBS CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Buffalo Job No.: 480-55783-1

SDG No.:

Lab Sample ID: CCV 480-170037/47 Calibration Date: 03/14/2014 14:50

Instrument ID: HP5890-12 Calib Start Date: 03/04/2014 12:15

GC Column: ZB-35 ID: 0.53(mm) Calib End Date: 03/04/2014 13:43

Lab File ID: 12_279_135.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	173546	165936		0.478	0.500	-4.4	20.0
PCB-1016 Peak 2	Ave	81678	80874		0.495	0.500	-1.0	20.0
PCB-1016 Peak 3	Ave	100971	35646		0.177	0.500	-64.7*	20.0
PCB-1016 Peak 4	Ave	70716	73174		0.517	0.500	3.5	20.0
PCB-1260 Peak 1	Ave	112042	102824		0.459	0.500	-8.2	20.0
PCB-1260 Peak 2	Ave	112344	103422		0.460	0.500	-7.9	20.0
PCB-1260 Peak 3	Ave	227597	207620		0.456	0.500	-8.8	20.0
PCB-1260 Peak 4	Ave	226500	214458		0.473	0.500	-5.3	20.0
Tetrachloro-m-xylene	Ave	2109408	1833100		0.0261	0.0300	-13.1	20.0
DCB Decachlorobiphenyl	Ave	2986524	2832033		0.0284	0.0300	-5.2	20.0

FORM VII
PCBS CONTINUING CALIBRATION RETENTION TIME SUMMARY

Lab Name: TestAmerica Buffalo Job No.: 480-55783-1

SDG No.:

Lab Sample ID: CCV 480-170037/47 Calibration Date: 03/14/2014 14:50

Instrument ID: HP5890-12 Calib Start Date: 03/04/2014 12:15

GC Column: ZB-35 ID: 0.53(mm) Calib End Date: 03/04/2014 13:43

Lab File ID: 12_279_135.D

Analyte	RT	RT WINDOW	
		FROM	TO
PCB-1016 Peak 1	2.27	2.24	2.30
PCB-1016 Peak 2	2.38	2.35	2.41
PCB-1016 Peak 3	2.73	2.70	2.76
PCB-1016 Peak 4	2.82	2.79	2.85
PCB-1260 Peak 1	4.34	4.31	4.37
PCB-1260 Peak 2	4.41	4.38	4.44
PCB-1260 Peak 3	4.48	4.45	4.51
PCB-1260 Peak 4	4.80	4.77	4.83
Tetrachloro-m-xylene	1.36	1.33	1.39
DCB Decachlorobiphenyl	5.69	5.66	5.72

TestAmerica Buffalo
Target Compound Quantitation Report

Data File: \\Bufchrom\ChromData\HP5890-12\20140314-30160.b\12_279_135.D
Lims ID: ccv Lab Sample ID:
Client ID:
Sample Type: CCV
Inject. Date: 14-Mar-2014 14:50:54 ALS Bottle#: 0 Worklist Smp#: 47
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info:
Operator ID: buftchrom Instrument ID: HP5890-12
Sublist: chrom-hp12_pcb*sub1

Method: \\Bufchrom\ChromData\HP5890-12\20140314-30160.b\hp12_pcb.m
Limit Group: GC - 8082A PCB ICAL
Last Update: 17-Mar-2014 07:00:16 Calib Date: 05-Mar-2014 12:39:00
Integrator: Falcon
Quant Method: External Standard Quant By: Initial Calibration
Last ICal File: \\Bufchrom\ChromData\HP5890-12\20140304-29925.b\12_278_050.D

Column 1 : ZB-5 (0.25 mm) Det: Ch-A-7A136
Column 2 : ZB-35 (0.53 mm) Det: Ch-B-7b136
Process Host: XAWRK018

First Level Reviewer: michalej Date: 17-Mar-2014 07:00:16

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	On-Col Amt ng/uL	Flags
$ 3 Tetrachloro-m-xylene						
1	2.041	2.041	0.0	113474	0.0289	
2	1.356	1.356	0.0	54993	0.0261	
					RPD = 10.46	
6 PCB-1016						
1	2.975	2.975	0.0	153908	0.5250	
1	3.061	3.061	0.0	66186	0.5106	
1	3.425	3.425	0.0	80682	0.5214	
1	3.517	3.517	0.0	56130	0.5419	
		Average of Peak Amounts =			0.5247	
2	2.269	2.269	0.0	82968	0.4781	
2	2.375	2.375	0.0	40437	0.4951	
2	2.725	2.725	0.0	17823	0.1765	
2	2.817	2.817	0.0	36587	0.5174	
		Average of Peak Amounts =			0.4168	
					RPD = 22.93	
9 PCB-1260						
1	4.606	4.606	0.0	188135	0.5373	
1	4.833	4.833	0.0	181487	0.5746	
1	5.353	5.353	0.0	167462	0.5423	
1	5.594	5.594	0.0	81425	0.5696	
		Average of Peak Amounts =			0.5560	
2	4.340	4.340	0.0	51412	0.4589	
2	4.412	4.412	0.0	51711	0.4603	
2	4.484	4.484	0.0	103810	0.4561	
2	4.800	4.800	0.0	107229	0.4734	
		Average of Peak Amounts =			0.4622	
					RPD = 18.43	

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	On-Col Amt ng/uL	Flags
$ 12 DCB Decachlorobiphenyl						
1	6.945	6.945	0.0	126478	0.0317	
2	5.691	5.691	0.0	84961	0.0284	
					RPD = 10.97	

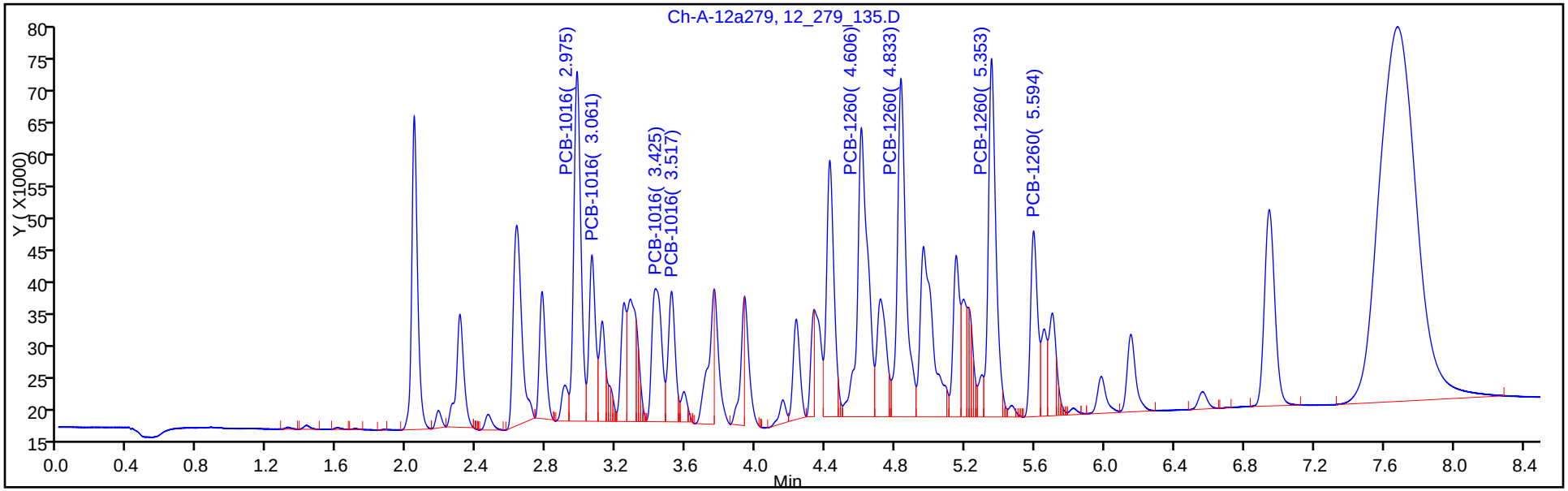
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TestAmerica Buffalo

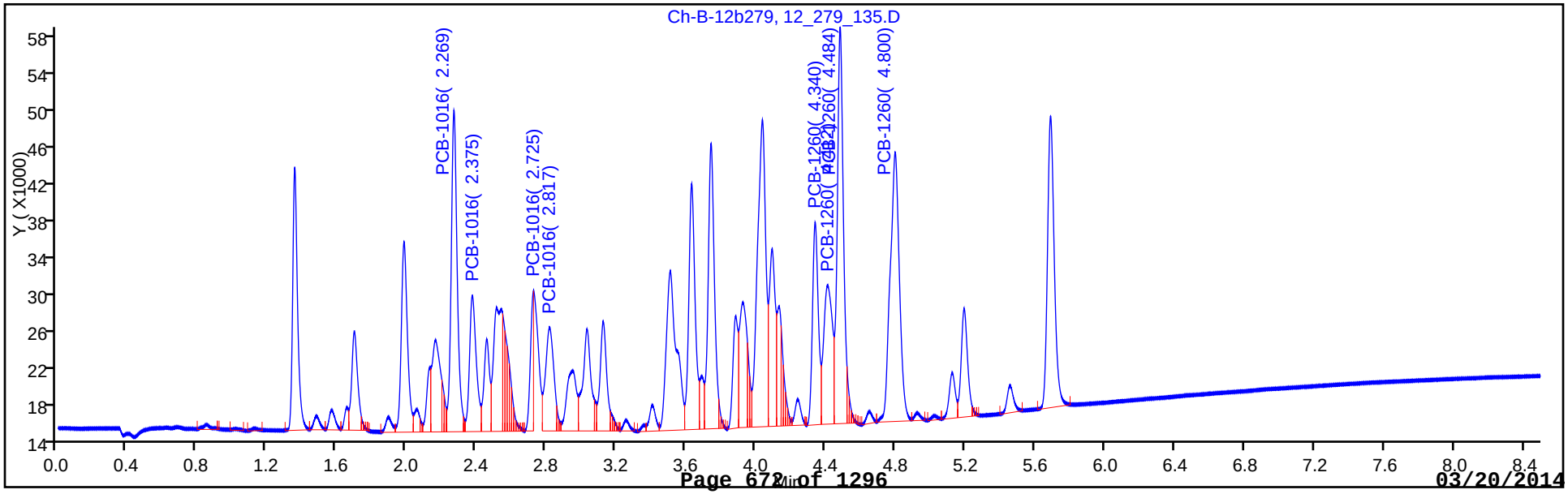
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Injection Date:	14-Mar-2014 14:50:54	Instrument ID:	HP5890-12	Operator ID:	buftchrom
Lims ID:	ccv	Lab Sample ID:		Worklist Smp#:	47
Client ID:					
Injection Vol:	1.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	0
Method:	hp12_pcb	Limit Group:	GC - 8082A PCB ICAL		

Column: ZB-5 (0.25 mm)



Column: ZB-35 (0.53 mm)



FORM VII
PCBS CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Buffalo Job No.: 480-55783-1

SDG No.:

Lab Sample ID: CCV 480-170037/56 Calibration Date: 03/14/2014 17:03

Instrument ID: HP5890-12 Calib Start Date: 03/04/2014 12:15

GC Column: ZB-35 ID: 0.53(mm) Calib End Date: 03/04/2014 13:43

Lab File ID: 12_279_144.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	173546	166852		0.481	0.500	-3.9	20.0
PCB-1016 Peak 2	Ave	81678	79890		0.489	0.500	-2.2	20.0
PCB-1016 Peak 3	Ave	100971	94348		0.467	0.500	-6.6	20.0
PCB-1016 Peak 4	Ave	70716	73180		0.517	0.500	3.5	20.0
PCB-1260 Peak 1	Ave	112042	103228		0.461	0.500	-7.9	20.0
PCB-1260 Peak 2	Ave	112344	102502		0.456	0.500	-8.8	20.0
PCB-1260 Peak 3	Ave	227597	206120		0.453	0.500	-9.4	20.0
PCB-1260 Peak 4	Ave	226500	214892		0.474	0.500	-5.1	20.0
Tetrachloro-m-xylene	Ave	2109408	1843800		0.0262	0.0300	-12.6	20.0
DCB Decachlorobiphenyl	Ave	2986524	2848567		0.0286	0.0300	-4.6	20.0

FORM VII
PCBS CONTINUING CALIBRATION RETENTION TIME SUMMARY

Lab Name: TestAmerica Buffalo Job No.: 480-55783-1

SDG No.:

Lab Sample ID: CCV 480-170037/56 Calibration Date: 03/14/2014 17:03

Instrument ID: HP5890-12 Calib Start Date: 03/04/2014 12:15

GC Column: ZB-35 ID: 0.53(mm) Calib End Date: 03/04/2014 13:43

Lab File ID: 12_279_144.D

Analyte	RT	RT WINDOW	
		FROM	TO
PCB-1016 Peak 1	2.27	2.24	2.30
PCB-1016 Peak 2	2.38	2.35	2.41
PCB-1016 Peak 3	2.73	2.70	2.76
PCB-1016 Peak 4	2.82	2.79	2.85
PCB-1260 Peak 1	4.34	4.31	4.37
PCB-1260 Peak 2	4.41	4.38	4.44
PCB-1260 Peak 3	4.49	4.46	4.52
PCB-1260 Peak 4	4.80	4.77	4.83
Tetrachloro-m-xylene	1.36	1.33	1.39
DCB Decachlorobiphenyl	5.69	5.66	5.72

TestAmerica Buffalo
Target Compound Quantitation Report

Data File: \\Bufchrom\ChromData\HP5890-12\20140314-30160.b\12_279_144.D
Lims ID: ccv Lab Sample ID:
Client ID:
Sample Type: CCV
Inject. Date: 14-Mar-2014 17:03:39 ALS Bottle#: 0 Worklist Smp#: 56
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info:
Operator ID: buftchrom Instrument ID: HP5890-12
Sublist: chrom-hp12_pcb*sub1

Method: \\Bufchrom\ChromData\HP5890-12\20140314-30160.b\hp12_pcb.m
Limit Group: GC - 8082A PCB ICAL
Last Update: 17-Mar-2014 07:01:00 Calib Date: 05-Mar-2014 12:39:00
Integrator: Falcon
Quant Method: External Standard Quant By: Initial Calibration
Last ICal File: \\Bufchrom\ChromData\HP5890-12\20140304-29925.b\12_278_050.D

Column 1 : ZB-5 (0.25 mm) Det: Ch-A-7A136
Column 2 : ZB-35 (0.53 mm) Det: Ch-B-7b136
Process Host: XAWRK018

First Level Reviewer: michalej Date: 17-Mar-2014 07:01:00

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	On-Col Amt ng/uL	Flags
$ 3 Tetrachloro-m-xylene						
1	2.042	2.042	0.0	113864	0.0290	
2	1.357	1.357	0.0	55314	0.0262	
					RPD = 10.22	
6 PCB-1016						
1	2.975	2.975	0.0	154703	0.5277	
1	3.061	3.061	0.0	66597	0.5138	
1	3.425	3.425	0.0	81780	0.5285	
1	3.517	3.517	0.0	56903	0.5493	
		Average of Peak Amounts =			0.5298	
2	2.270	2.270	0.0	83426	0.4807	
2	2.375	2.375	0.0	39945	0.4891	
2	2.726	2.726	0.0	47174	0.4672	
2	2.817	2.817	0.0	36590	0.5174	
		Average of Peak Amounts =			0.4886	
					RPD = 8.10	
9 PCB-1260						
1	4.607	4.607	0.0	187002	0.5341	
1	4.833	4.833	0.0	179574	0.5685	
1	5.353	5.353	0.0	164837	0.5338	
1	5.594	5.594	0.0	80934	0.5662	
		Average of Peak Amounts =			0.5507	
2	4.341	4.341	0.0	51614	0.4607	
2	4.411	4.411	0.0	51251	0.4562	
2	4.485	4.485	0.0	103060	0.4528	
2	4.801	4.801	0.0	107446	0.4744	
		Average of Peak Amounts =			0.4610	
					RPD = 17.72	

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	On-Col Amt ng/uL	Flags
$ 12 DCB Decachlorobiphenyl						
1	6.946	6.946	0.0	127072	0.0319	
2	5.691	5.691	0.0	85457	0.0286	
					RPD = 10.86	

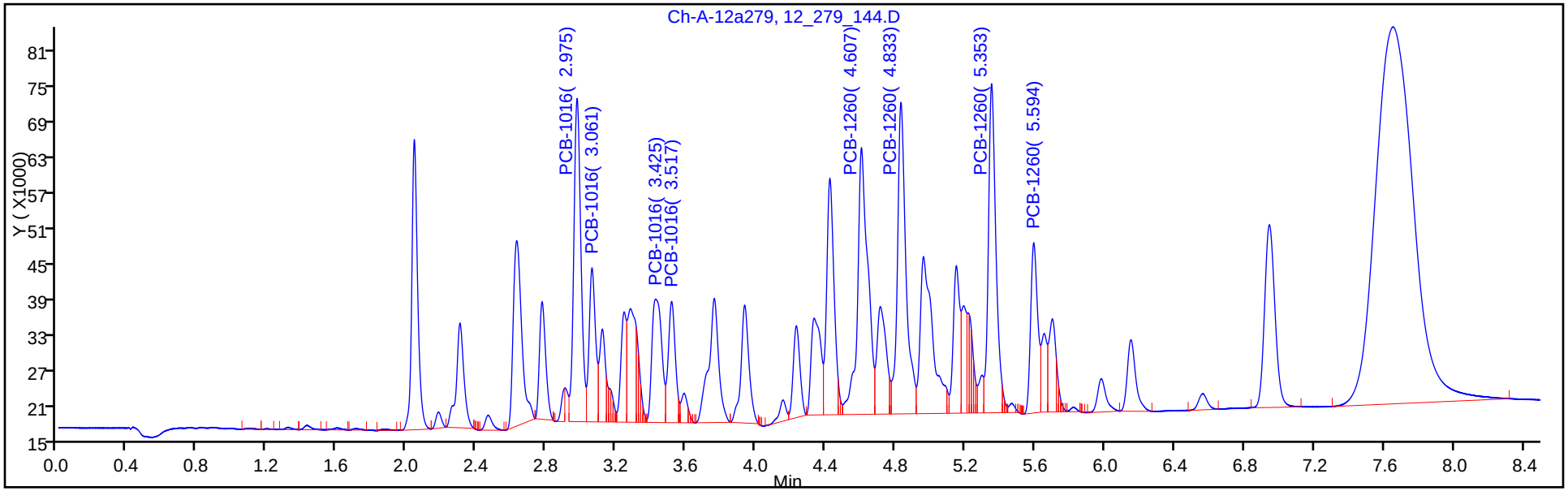
Report Date: 17-Mar-2014 07:01:01 Chrom Revision: 2.1 17-Feb-2014 09:05:58

TestAmerica Buffalo

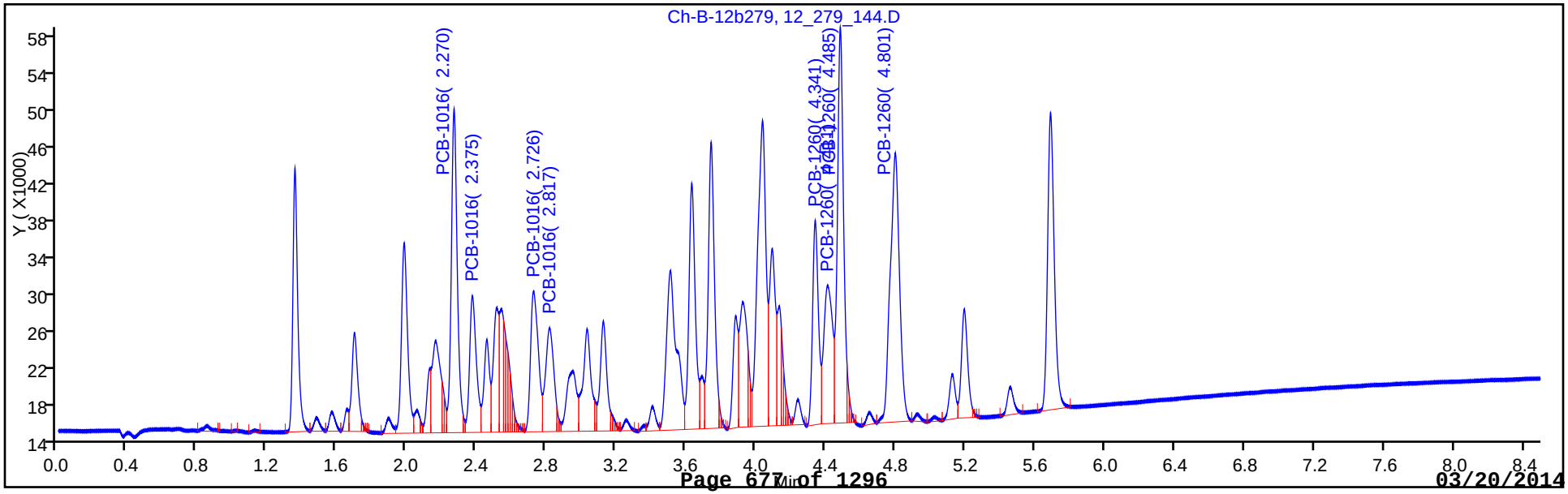
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Injection Date:	14-Mar-2014 17:03:39	Instrument ID:	HP5890-12	Operator ID:	buftchrom
Lims ID:	ccv	Lab Sample ID:		Worklist Smp#:	56
Client ID:					
Injection Vol:	1.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	0
Method:	hp12_pcb	Limit Group:	GC - 8082A PCB ICAL		

Column: ZB-5 (0.25 mm)



Column: ZB-35 (0.53 mm)



FORM I
PCBS ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Buffalo | Job No.: 480-55783-1

SDG No.:

Client Sample ID: | Lab Sample ID: MB 480-169813/1-A

Matrix: Water | Lab File ID: 12_279_119.D

Analysis Method: 8082A | Date Collected:

Extraction Method: 3510C | Date Extracted: 03/13/2014 07:05

Sample wt/vol: 250(mL) | Date Analyzed: 03/14/2014 10:54

Con. Extract Vol.: 2(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.: 170037 | Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
12674-11-2	PCB-1016	ND		0.50	0.18
11104-28-2	PCB-1221	ND		0.50	0.18
11141-16-5	PCB-1232	ND		0.50	0.18
53469-21-9	PCB-1242	ND		0.50	0.18
12672-29-6	PCB-1248	ND		0.50	0.18
11097-69-1	PCB-1254	ND		0.50	0.25
11096-82-5	PCB-1260	ND		0.50	0.25

CAS NO.	SURROGATE	%REC	Q	LIMITS
877-09-8	Tetrachloro-m-xylene	89		23-127
2051-24-3	DCB Decachlorobiphenyl	81		19-126

TestAmerica Buffalo
Target Compound Quantitation Report

Data File: \\Bufchrom\ChromData\HP5890-12\20140314-30160.b\12_279_119.D
Lims ID: MB 480-169813/1-A Lab Sample ID: MB 480-169813/1-A
Client ID:
Sample Type: MB
Inject. Date: 14-Mar-2014 10:54:04 ALS Bottle#: 0 Worklist Smp#: 31
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info:
Operator ID: buftchrom Instrument ID: HP5890-12

Method: \\Bufchrom\ChromData\HP5890-12\20140314-30160.b\hp12_pcb.m
Limit Group: GC - 8082A PCB ICAL
Last Update: 17-Mar-2014 07:03:38 Calib Date: 05-Mar-2014 12:39:00
Integrator: Falcon
Quant Method: External Standard Quant By: Initial Calibration
Last ICal File: \\Bufchrom\ChromData\HP5890-12\20140304-29925.b\12_278_050.D

Column 1 : ZB-5 (0.25 mm) Det: Ch-A-7A136
Column 2 : ZB-35 (0.53 mm) Det: Ch-B-7b136
Process Host: XAWRK018

First Level Reviewer: michalej Date: 17-Mar-2014 08:14:20

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	On-Col Amt ng/uL	Flags
$ 3 Tetrachloro-m-xylene						
1	2.045	2.043	0.002	63023	0.0161	
2	1.359	1.357	0.002	37369	0.0177	
					RPD = 9.69	
$ 12 DCB Decachlorobiphenyl						
1	6.950	6.948	0.002	64523	0.0162	
2	5.695	5.692	0.003	48628	0.0163	
					RPD = 0.53	

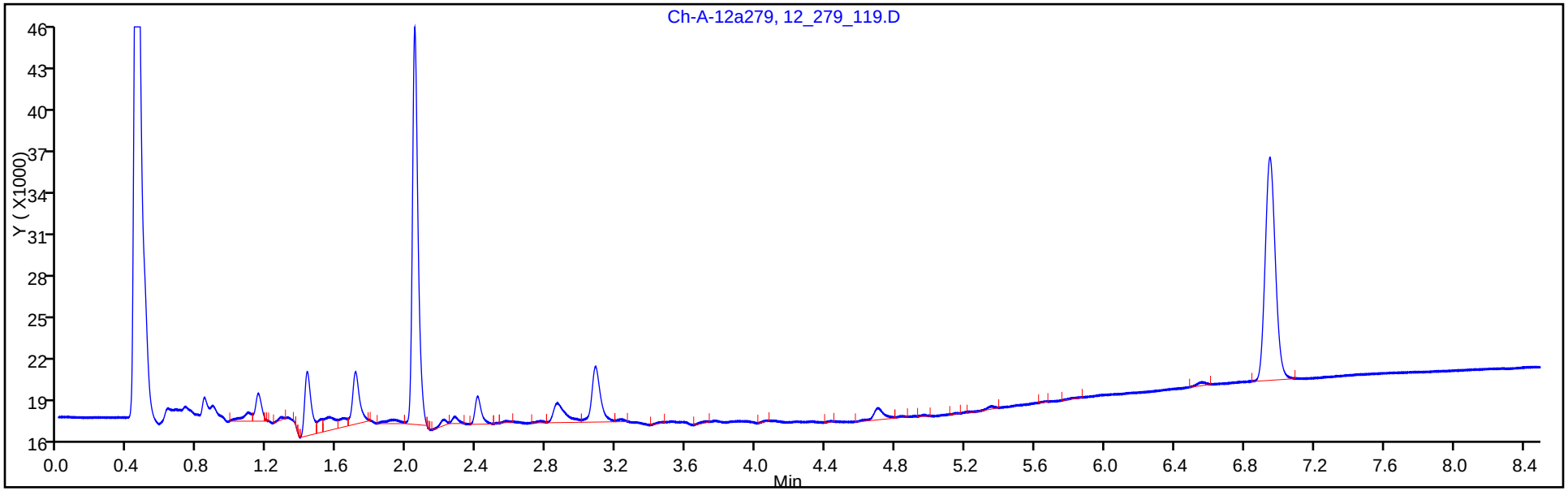
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TestAmerica Buffalo

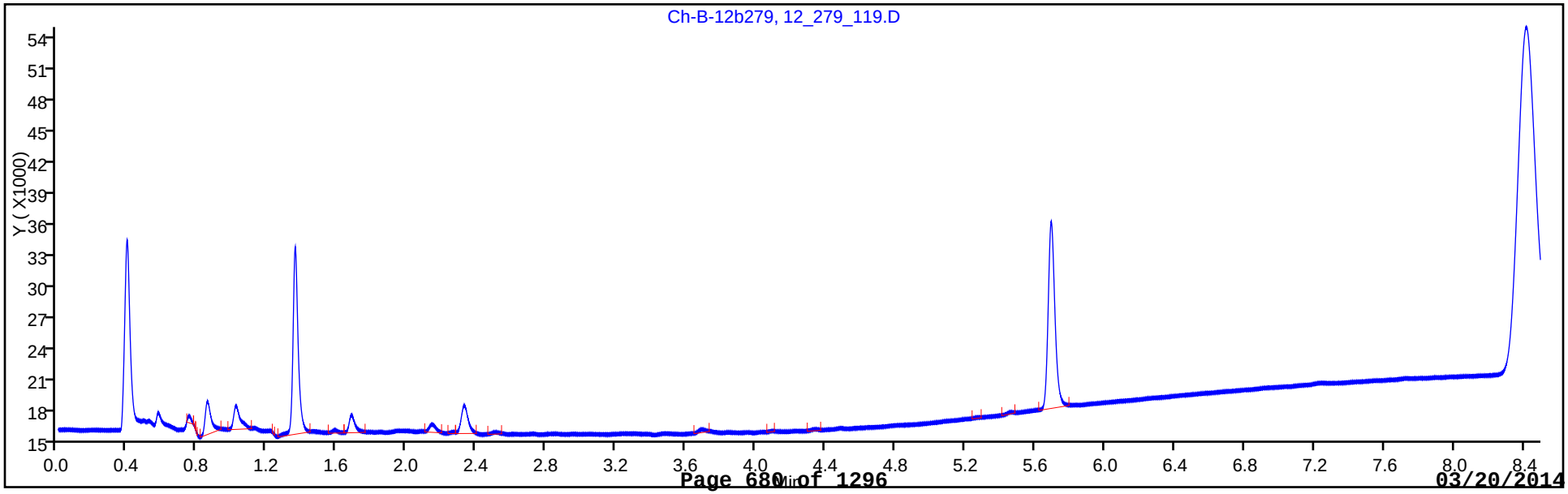
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Injection Date:	14-Mar-2014 10:54:04	Instrument ID:	HP5890-12	Operator ID:	buftchrom
Lims ID:	MB 480-169813/1-A	Lab Sample ID:	MB 480-169813/1-A	Worklist Smp#:	31
Client ID:					
Injection Vol:	1.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	0
Method:	hp12_pcb	Limit Group:	GC - 8082A PCB ICAL		

Column: ZB-5 (0.25 mm)



Column: ZB-35 (0.53 mm)



FORM I
PCBS ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Buffalo | Job No.: 480-55783-1

SDG No.:

Client Sample ID: | Lab Sample ID: LCS 480-169813/2-A

Matrix: Water | Lab File ID: 12_279_120.D

Analysis Method: 8082A | Date Collected:

Extraction Method: 3510C | Date Extracted: 03/13/2014 07:05

Sample wt/vol: 250(mL) | Date Analyzed: 03/14/2014 11:08

Con. Extract Vol.: 2(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.: 170037 | Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
12674-11-2	PCB-1016	3.50		0.50	0.18
11096-82-5	PCB-1260	3.58		0.50	0.25

CAS NO.	SURROGATE	%REC	Q	LIMITS
877-09-8	Tetrachloro-m-xylene	89		23-127
2051-24-3	DCB Decachlorobiphenyl	82		19-126

TestAmerica Buffalo
Target Compound Quantitation Report

Data File: \\Bufchrom\ChromData\HP5890-12\20140314-30160.b\12_279_120.D
Lims ID: LCS 480-169813/2-A Lab Sample ID: LCS 480-169813/2-A
Client ID:
Sample Type: LCS
Inject. Date: 14-Mar-2014 11:08:49 ALS Bottle#: 0 Worklist Smp#: 32
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info:
Operator ID: buftchrom Instrument ID: HP5890-12

Method: \\Bufchrom\ChromData\HP5890-12\20140314-30160.b\hp12_pcb.m
Limit Group: GC - 8082A PCB ICAL
Last Update: 17-Mar-2014 07:03:38 Calib Date: 05-Mar-2014 12:39:00
Integrator: Falcon
Quant Method: External Standard Quant By: Initial Calibration
Last ICal File: \\Bufchrom\ChromData\HP5890-12\20140304-29925.b\12_278_050.D

Column 1 : ZB-5 (0.25 mm) Det: Ch-A-7A136
Column 2 : ZB-35 (0.53 mm) Det: Ch-B-7b136
Process Host: XAWRK018

First Level Reviewer: michalej Date: 17-Mar-2014 06:58:25

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	On-Col Amt ng/uL	Flags
$ 3 Tetrachloro-m-xylene						
1	2.043	2.043	0.0	67997	0.0173	
2	1.358	1.357	0.001	37418	0.0177	
					RPD = 2.24	
6 PCB-1016						
1	2.977	2.977	0.0	128163	0.4372	
1	3.063	3.062	0.001	61571	0.4750	
1	3.427	3.427	0.0	71090	0.4594	
1	3.519	3.519	0.0	50387	0.4864	
		Average of Peak Amounts =			0.4645	
2	2.272	2.271	0.001	74725	0.4306	
2	2.377	2.377	0.0	35818	0.4385	
2	2.728	2.727	0.001	42719	0.4231	
2	2.820	2.819	0.001	32371	0.4578	
		Average of Peak Amounts =			0.4375	
					RPD = 5.99	
9 PCB-1260						
1	4.607	4.607	0.0	148588	0.4244	
1	4.834	4.835	-0.001	131728	0.4171	
1	5.353	5.354	-0.001	154879	0.5016	
1	5.595	5.596	-0.001	67082	0.4693	
		Average of Peak Amounts =			0.4531	
2	4.343	4.343	0.0	49804	0.4445	
2	4.412	4.413	-0.001	47607	0.4238	
2	4.487	4.486	0.001	102500	0.4504	
2	4.802	4.801	0.001	106650	0.4709	
		Average of Peak Amounts =			0.4474	
					RPD = 1.27	
$ 12 DCB Decachlorobiphenyl						
1	6.948	6.948	0.0	66399	0.0167	
2	5.695	5.692	0.003	49115	0.0164	
					RPD = 1.34	

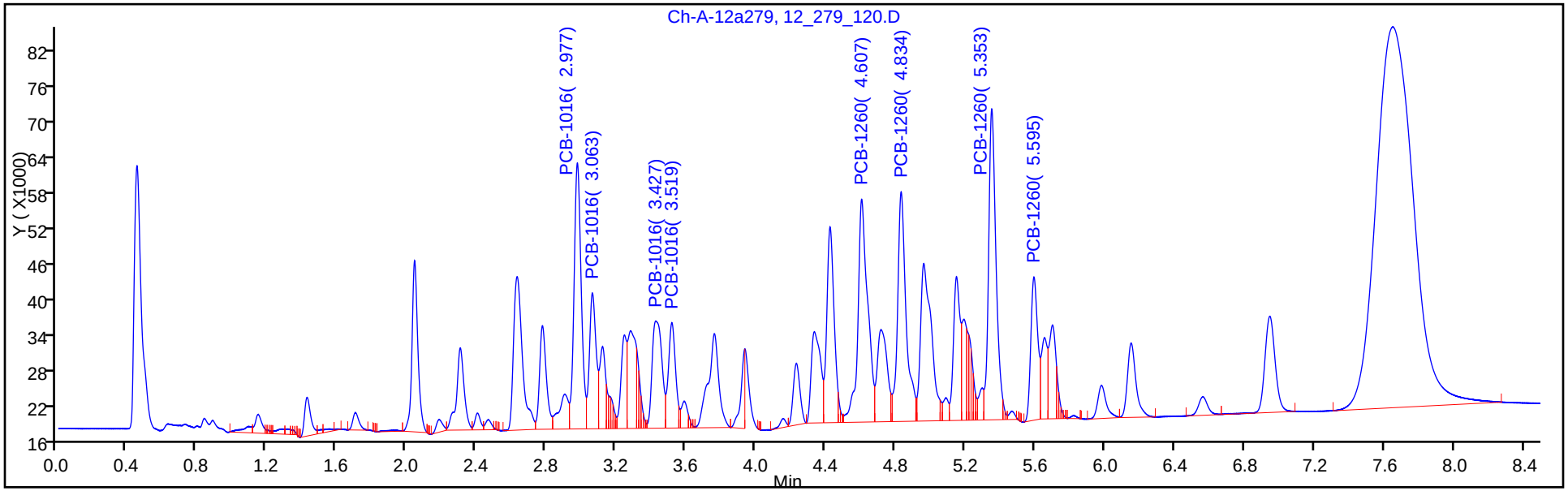
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TestAmerica Buffalo

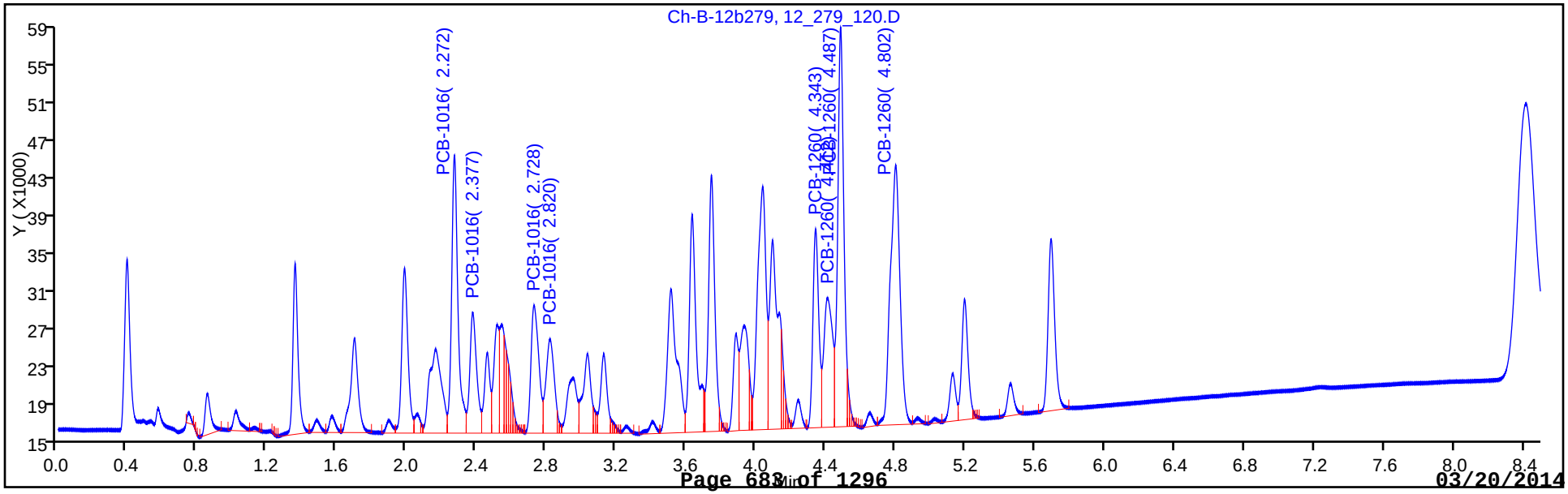
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Injection Date:	14-Mar-2014 11:08:49	Instrument ID:	HP5890-12	Operator ID:	buftchrom
Lims ID:	LCS 480-169813/2-A	Lab Sample ID:	LCS 480-169813/2-A	Worklist Smp#:	32
Client ID:					
Injection Vol:	1.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	0
Method:	hp12_pcb	Limit Group:	GC - 8082A PCB ICAL		

Column: ZB-5 (0.25 mm)



Column: ZB-35 (0.53 mm)



Report Date: 17-Mar-2014 08:14:24 Chrom Revision: 2.1 17-Feb-2014 09:05:58

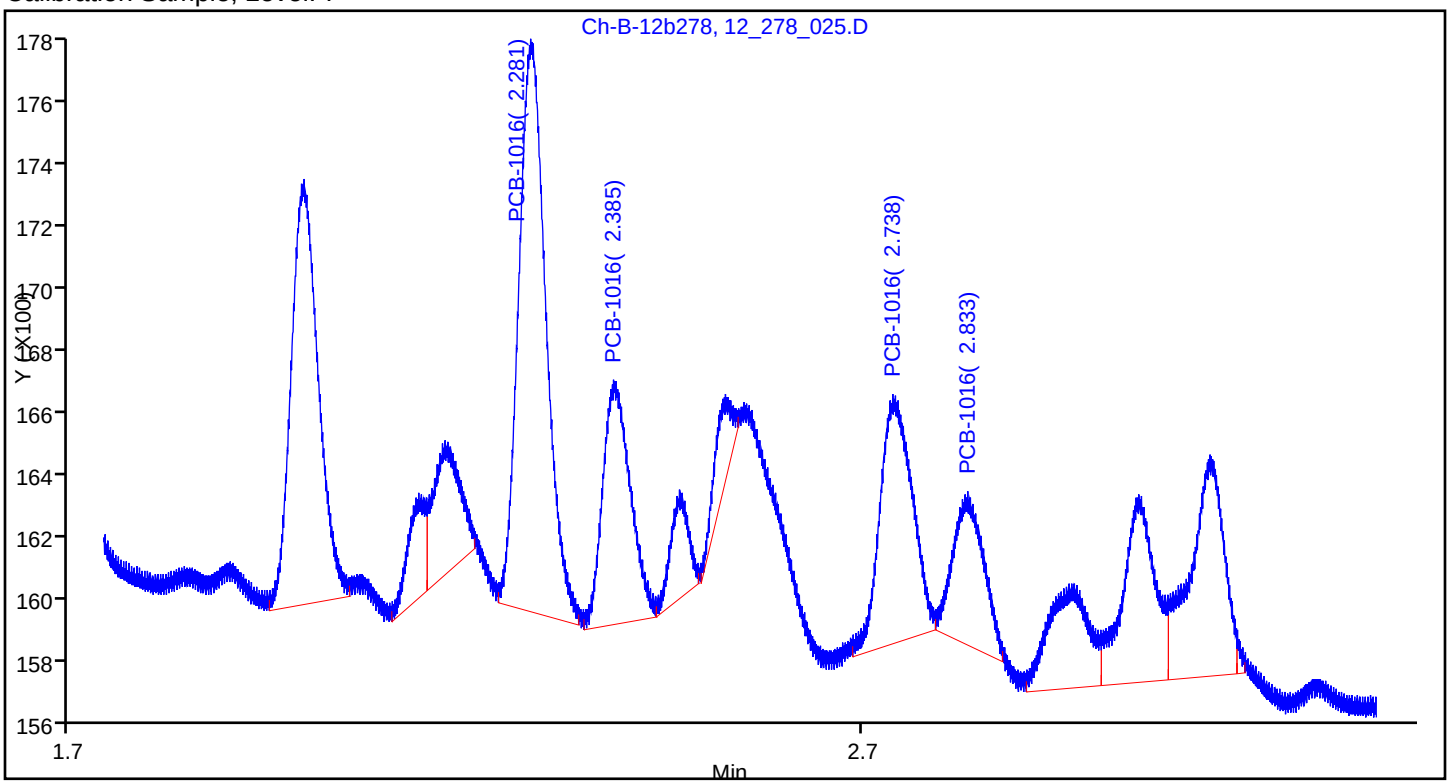
TestAmerica Buffalo

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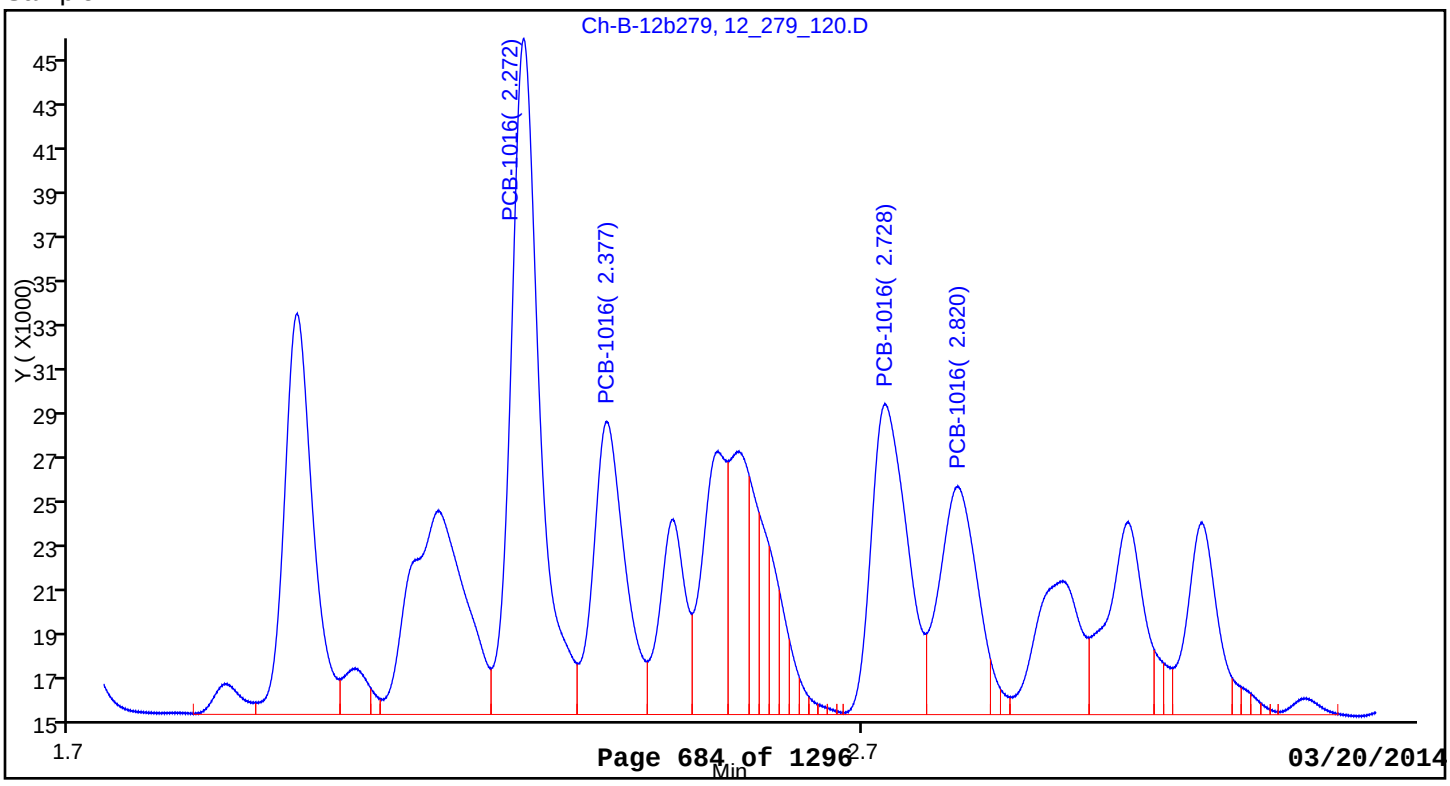
Injection Date:	14-Mar-2014 11:08:49	Instrument ID:	HP5890-12		
Lims ID:	LCS 480-169813/2-A	Lab Sample ID:	LCS 480-169813/2-A		
Client ID:					
Operator ID:	buftchrom	ALS Bottle#:	0	Worklist Smp#:	32
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	hp12_pcb	Limit Group:	GC - 8082A PCB ICAL		
Column:	ZB-35 (0.53 mm)	Detector	Ch-B-7b136		

6 PCB-1016, CAS: 12674-11-2

Calibration Sample, Level: 7



Sample



Report Date: 17-Mar-2014 08:14:24 Chrom Revision: 2.1 17-Feb-2014 09:05:58

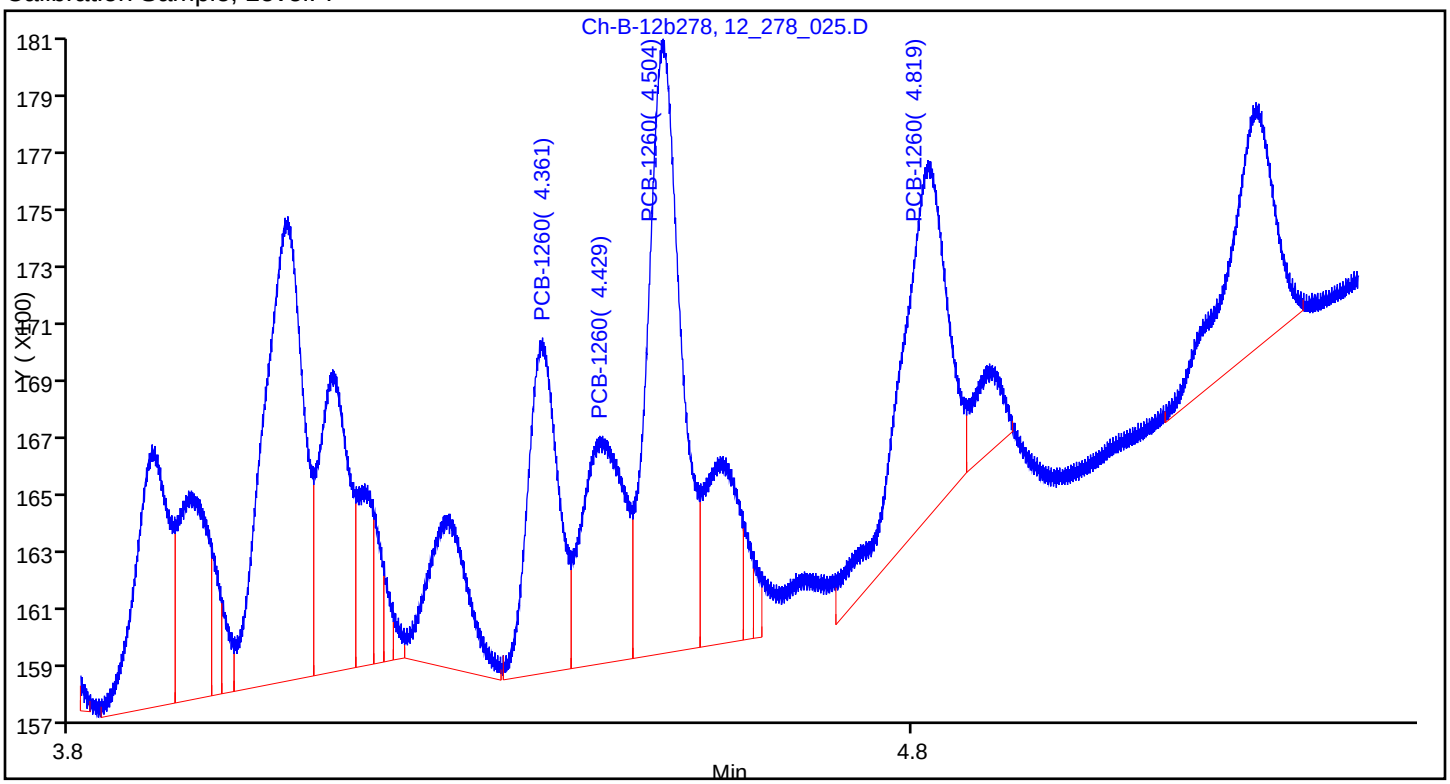
TestAmerica Buffalo

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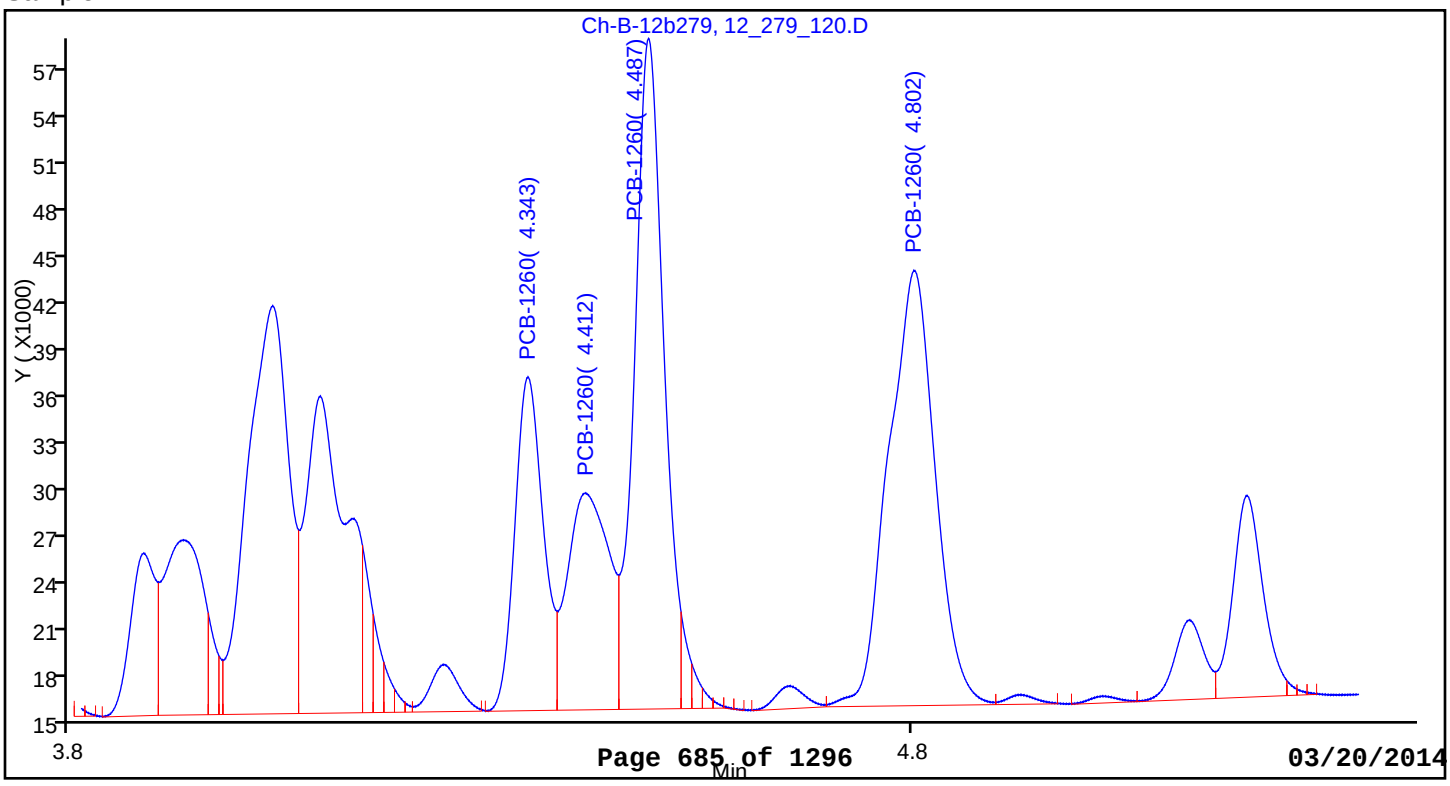
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Lims ID:	LCS 480-169813/2-A	Lab Sample ID:	LCS 480-169813/2-A		
Client ID:					
Operator ID:	buftchrom	ALS Bottle#:	0	Worklist Smp#:	32
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	hp12_pcb	Limit Group:	GC - 8082A PCB ICAL		
Column:	ZB-35 (0.53 mm)	Detector	Ch-B-7b136		

9 PCB-1260, CAS: 11096-82-5

Calibration Sample, Level: 7



Sample



PCBS ANALYSIS RUN LOG

Lab Name: TestAmerica Buffalo Job No.: 480-55783-1

SDG No.:

Instrument ID: HP5890-12 Start Date: 03/04/2014 12:15

Analysis Batch Number: 168468 End Date: 03/05/2014 12:53

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
STD1 480-168468/2 IC		03/04/2014 12:15	1		ZB-5 0.25(mm)
STD1 480-168468/2 IC		03/04/2014 12:15	1	12_278_025.D	ZB-35 0.53(mm)
STD2 480-168468/3 IC		03/04/2014 12:30	1		ZB-5 0.25(mm)
STD2 480-168468/3 IC		03/04/2014 12:30	1	12_278_026.D	ZB-35 0.53(mm)
STD3 480-168468/4 IC		03/04/2014 12:45	1		ZB-5 0.25(mm)
STD3 480-168468/4 IC		03/04/2014 12:45	1	12_278_027.D	ZB-35 0.53(mm)
STD4 480-168468/5 IC		03/04/2014 12:59	1		ZB-5 0.25(mm)
STD4 480-168468/5 IC		03/04/2014 12:59	1	12_278_028.D	ZB-35 0.53(mm)
STD5 480-168468/6 IC		03/04/2014 13:14	1		ZB-5 0.25(mm)
STD5 480-168468/6 IC		03/04/2014 13:14	1	12_278_029.D	ZB-35 0.53(mm)
STD6 480-168468/7 IC		03/04/2014 13:29	1		ZB-5 0.25(mm)
STD6 480-168468/7 IC		03/04/2014 13:29	1	12_278_030.D	ZB-35 0.53(mm)
STD7 480-168468/8 IC		03/04/2014 13:43	1		ZB-5 0.25(mm)
STD7 480-168468/8 IC		03/04/2014 13:43	1	12_278_031.D	ZB-35 0.53(mm)
ICV 480-168468/9		03/04/2014 13:58	1		ZB-5 0.25(mm)
ICV 480-168468/9		03/04/2014 13:58	1		ZB-35 0.53(mm)
STD21 480-168468/10 IC		03/04/2014 14:13	1		ZB-5 0.25(mm)
STD21 480-168468/10 IC		03/04/2014 14:13	1	12_278_033.D	ZB-35 0.53(mm)
ICV 480-168468/11		03/04/2014 14:28	1		ZB-5 0.25(mm)
ICV 480-168468/11		03/04/2014 14:28	1		ZB-35 0.53(mm)
STD32 480-168468/12 IC		03/04/2014 14:42	1		ZB-5 0.25(mm)
STD32 480-168468/12 IC		03/04/2014 14:42	1	12_278_035.D	ZB-35 0.53(mm)
ICV 480-168468/13		03/04/2014 14:57	1		ZB-5 0.25(mm)
ICV 480-168468/13		03/04/2014 14:57	1		ZB-35 0.53(mm)
STD42 480-168468/14 IC		03/04/2014 15:12	1		ZB-5 0.25(mm)
STD42 480-168468/14 IC		03/04/2014 15:12	1	12_278_037.D	ZB-35 0.53(mm)
ICV 480-168468/15		03/04/2014 15:26	1		ZB-5 0.25(mm)
ICV 480-168468/15		03/04/2014 15:26	1		ZB-35 0.53(mm)
STD48 480-168468/16 IC		03/04/2014 15:41	1		ZB-5 0.25(mm)
STD48 480-168468/16 IC		03/04/2014 15:41	1	12_278_039.D	ZB-35 0.53(mm)
ICV 480-168468/17		03/04/2014 15:56	1		ZB-5 0.25(mm)
ICV 480-168468/17		03/04/2014 15:56	1		ZB-35 0.53(mm)
STD54 480-168468/18 IC		03/04/2014 16:11	1		ZB-5 0.25(mm)
STD54 480-168468/18 IC		03/04/2014 16:11	1	12_278_041.D	ZB-35 0.53(mm)
ICV 480-168468/19		03/04/2014 16:25	1		ZB-5 0.25(mm)
ICV 480-168468/19		03/04/2014 16:25	1		ZB-35 0.53(mm)
STD68 480-168468/22 IC		03/04/2014 17:09	1		ZB-5 0.25(mm)
STD68 480-168468/22 IC		03/04/2014 17:09	1		ZB-35 0.53(mm)
ICV 480-168468/23		03/04/2014 17:24	1		ZB-5 0.25(mm)
ICV 480-168468/23		03/04/2014 17:24	1		ZB-35 0.53(mm)

PCBS ANALYSIS RUN LOG

Lab Name: TestAmerica Buffalo Job No.: 480-55783-1

SDG No.:

Instrument ID: HP5890-12 Start Date: 03/04/2014 12:15

Analysis Batch Number: 168468 End Date: 03/05/2014 12:53

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
STD62 480-168468/27 IC		03/05/2014 12:39	1		ZB-5 0.25(mm)
STD62 480-168468/27 IC		03/05/2014 12:39	1		ZB-35 0.53(mm)
ICV 480-168468/28		03/05/2014 12:53	1		ZB-5 0.25(mm)
ICV 480-168468/28		03/05/2014 12:53	1		ZB-35 0.53(mm)

PCBS ANALYSIS RUN LOG

Lab Name: TestAmerica Buffalo Job No.: 480-55783-1

SDG No.:

Instrument ID: HP5890-12 Start Date: 03/14/2014 06:53

Analysis Batch Number: 170037 End Date: 03/14/2014 21:14

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
CCV 480-170037/5		03/14/2014 06:53	1		ZB-5 0.25(mm)
CCV 480-170037/5		03/14/2014 06:53	1		ZB-35 0.53(mm)
ZZZZZ		03/14/2014 07:56	1		ZB-5 0.25(mm)
ZZZZZ		03/14/2014 07:56	1		ZB-35 0.53(mm)
ZZZZZ		03/14/2014 08:11	1		ZB-5 0.25(mm)
ZZZZZ		03/14/2014 08:11	1		ZB-35 0.53(mm)
ZZZZZ		03/14/2014 08:26	1		ZB-5 0.25(mm)
ZZZZZ		03/14/2014 08:26	1		ZB-35 0.53(mm)
ZZZZZ		03/14/2014 08:40	1		ZB-5 0.25(mm)
ZZZZZ		03/14/2014 08:40	1		ZB-35 0.53(mm)
CCV 480-170037/23		03/14/2014 08:55	1		ZB-5 0.25(mm)
CCV 480-170037/23		03/14/2014 08:55	1		ZB-35 0.53(mm)
CCV 480-170037/29		03/14/2014 10:24	1		ZB-5 0.25(mm)
CCV 480-170037/29		03/14/2014 10:24	1	12_279_117.D	ZB-35 0.53(mm)
ZZZZZ		03/14/2014 10:54	1		ZB-5 0.25(mm)
MB 480-169813/1-A		03/14/2014 10:54	1	12_279_119.D	ZB-35 0.53(mm)
ZZZZZ		03/14/2014 11:08	1		ZB-5 0.25(mm)
LCS 480-169813/2-A		03/14/2014 11:08	1	12_279_120.D	ZB-35 0.53(mm)
ZZZZZ		03/14/2014 11:23	1		ZB-5 0.25(mm)
ZZZZZ		03/14/2014 11:23	1		ZB-35 0.53(mm)
ZZZZZ		03/14/2014 11:38	1		ZB-5 0.25(mm)
ZZZZZ		03/14/2014 11:38	1		ZB-35 0.53(mm)
ZZZZZ		03/14/2014 11:53	1		ZB-5 0.25(mm)
ZZZZZ		03/14/2014 11:53	1		ZB-35 0.53(mm)
ZZZZZ		03/14/2014 12:07	1		ZB-5 0.25(mm)
480-55880-1	MW-1	03/14/2014 12:07	1	12_279_124.D	ZB-35 0.53(mm)
ZZZZZ		03/14/2014 12:22	1		ZB-5 0.25(mm)
480-55880-2	MW-4	03/14/2014 12:22	1	12_279_125.D	ZB-35 0.53(mm)
ZZZZZ		03/14/2014 12:37	1		ZB-5 0.25(mm)
480-55880-3	MW-5	03/14/2014 12:37	1	12_279_126.D	ZB-35 0.53(mm)
CCV 480-170037/39		03/14/2014 12:52	1		ZB-5 0.25(mm)
CCV 480-170037/39		03/14/2014 12:52	1	12_279_127.D	ZB-35 0.53(mm)
ZZZZZ		03/14/2014 13:21	1		ZB-5 0.25(mm)
ZZZZZ		03/14/2014 13:21	1		ZB-35 0.53(mm)
ZZZZZ		03/14/2014 13:36	1		ZB-5 0.25(mm)
ZZZZZ		03/14/2014 13:36	1		ZB-35 0.53(mm)
ZZZZZ		03/14/2014 13:51	1		ZB-5 0.25(mm)
ZZZZZ		03/14/2014 13:51	1		ZB-35 0.53(mm)
ZZZZZ		03/14/2014 14:06	1		ZB-5 0.25(mm)
ZZZZZ		03/14/2014 14:06	1		ZB-35 0.53(mm)
ZZZZZ		03/14/2014 14:20	1		ZB-5 0.25(mm)
ZZZZZ		03/14/2014 14:20	1		ZB-35 0.53(mm)
ZZZZZ		03/14/2014 14:35	1		ZB-5 0.25(mm)
ZZZZZ		03/14/2014 14:35	1		ZB-35 0.53(mm)
CCV 480-170037/47		03/14/2014 14:50	1		ZB-5 0.25(mm)

PCBS ANALYSIS RUN LOG

Lab Name: TestAmerica Buffalo Job No.: 480-55783-1

SDG No.:

Instrument ID: HP5890-12 Start Date: 03/14/2014 06:53

Analysis Batch Number: 170037 End Date: 03/14/2014 21:14

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
CCV 480-170037/47		03/14/2014 14:50	1	12_279_135.D	ZB-35 0.53(mm)
ZZZZZ		03/14/2014 15:20	1		ZB-5 0.25(mm)
ZZZZZ		03/14/2014 15:20	1		ZB-35 0.53(mm)
ZZZZZ		03/14/2014 15:35	1		ZB-5 0.25(mm)
ZZZZZ		03/14/2014 15:35	1		ZB-35 0.53(mm)
ZZZZZ		03/14/2014 15:49	1		ZB-5 0.25(mm)
ZZZZZ		03/14/2014 15:49	1		ZB-35 0.53(mm)
ZZZZZ		03/14/2014 16:04	1		ZB-5 0.25(mm)
ZZZZZ		03/14/2014 16:04	1		ZB-35 0.53(mm)
ZZZZZ		03/14/2014 16:19	1		ZB-5 0.25(mm)
480-55783-1	MW-P	03/14/2014 16:19	1	12_279_141.D	ZB-35 0.53(mm)
ZZZZZ		03/14/2014 16:34	1		ZB-5 0.25(mm)
480-55783-2	MW-3	03/14/2014 16:34	1	12_279_142.D	ZB-35 0.53(mm)
ZZZZZ		03/14/2014 16:48	1		ZB-5 0.25(mm)
ZZZZZ		03/14/2014 16:48	1		ZB-35 0.53(mm)
CCV 480-170037/56		03/14/2014 17:03	1		ZB-5 0.25(mm)
CCV 480-170037/56		03/14/2014 17:03	1	12_279_144.D	ZB-35 0.53(mm)
ZZZZZ		03/14/2014 17:33	1		ZB-5 0.25(mm)
ZZZZZ		03/14/2014 17:33	1		ZB-35 0.53(mm)
ZZZZZ		03/14/2014 17:48	1		ZB-5 0.25(mm)
ZZZZZ		03/14/2014 17:48	1		ZB-35 0.53(mm)
ZZZZZ		03/14/2014 18:02	1		ZB-5 0.25(mm)
ZZZZZ		03/14/2014 18:02	1		ZB-35 0.53(mm)
ZZZZZ		03/14/2014 18:17	1		ZB-5 0.25(mm)
ZZZZZ		03/14/2014 18:17	1		ZB-35 0.53(mm)
ZZZZZ		03/14/2014 18:32	1		ZB-5 0.25(mm)
ZZZZZ		03/14/2014 18:32	1		ZB-35 0.53(mm)
ZZZZZ		03/14/2014 18:47	1		ZB-5 0.25(mm)
ZZZZZ		03/14/2014 18:47	1		ZB-35 0.53(mm)
ZZZZZ		03/14/2014 19:01	1		ZB-5 0.25(mm)
ZZZZZ		03/14/2014 19:01	1		ZB-35 0.53(mm)
ZZZZZ		03/14/2014 19:16	1		ZB-5 0.25(mm)
ZZZZZ		03/14/2014 19:16	1		ZB-35 0.53(mm)
ZZZZZ		03/14/2014 19:31	1		ZB-5 0.25(mm)
ZZZZZ		03/14/2014 19:31	1		ZB-35 0.53(mm)
ZZZZZ		03/14/2014 19:46	1		ZB-5 0.25(mm)
ZZZZZ		03/14/2014 19:46	1		ZB-35 0.53(mm)
CCV 480-170037/68		03/14/2014 20:01	1		ZB-5 0.25(mm)
CCV 480-170037/68		03/14/2014 20:01	1		ZB-35 0.53(mm)
ZZZZZ		03/14/2014 20:30	1		ZB-5 0.25(mm)
ZZZZZ		03/14/2014 20:30	1		ZB-35 0.53(mm)
ZZZZZ		03/14/2014 20:45	1		ZB-5 0.25(mm)
ZZZZZ		03/14/2014 20:45	1		ZB-35 0.53(mm)
ZZZZZ		03/14/2014 21:00	1		ZB-5 0.25(mm)
ZZZZZ		03/14/2014 21:00	1		ZB-35 0.53(mm)

8082A

PCBS ANALYSIS RUN LOG

Lab Name: TestAmerica Buffalo Job No.: 480-55783-1

SDG No.:

Instrument ID: HP5890-12 Start Date: 03/14/2014 06:53

Analysis Batch Number: 170037 End Date: 03/14/2014 21:14

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
CCV 480-170037/73		03/14/2014 21:14	1		ZB-5 0.25(mm)
CCV 480-170037/73		03/14/2014 21:14	1		ZB-35 0.53(mm)

PCBS BATCH WORKSHEET

Lab Name: TestAmerica Buffalo Job No.: 480-55783-1

SDG No.:

Batch Number: 169813 Batch Start Date: 03/13/14 07:04 Batch Analyst: Boyd, Matthew R

Batch Method: 3510C Batch End Date:

Lab Sample ID	Client Sample ID	Method Chain	Basis	ReceivedpH	GrossWeight	TareWeight	InitialAmount	FinalAmount	O_608PCBSpike 00006
MB 480-169813/1		3510C, 8082A		7 SU			250 mL	2 mL	
LCS 480-169813/2		3510C, 8082A		7 SU			250 mL	2 mL	1 mL
480-55783-E-1	MW-P	3510C, 8082A	T	6 SU	000429.6 g	000177.7 g	251.9 mL	2 mL	
480-55783-E-2	MW-3	3510C, 8082A	T	6 SU	000446.1 g	000179.1 g	267 mL	2 mL	
480-55880-C-1	MW-1	3510C, 8082A	T	6 SU	000433.2 g	000178.2 g	255 mL	2 mL	
480-55880-D-2	MW-4	3510C, 8082A	T	6 SU	000419.2 g	000178.7 g	240.5 mL	2 mL	
480-55880-C-3	MW-5	3510C, 8082A	T	6 SU	000427.8 g	000178.5 g	249.3 mL	2 mL	

Lab Sample ID	Client Sample ID	Method Chain	Basis	O_PCBLLsurr 00017					
MB 480-169813/1		3510C, 8082A		1 mL					
LCS 480-169813/2		3510C, 8082A		1 mL					
480-55783-E-1	MW-P	3510C, 8082A	T	1 mL					
480-55783-E-2	MW-3	3510C, 8082A	T	1 mL					
480-55880-C-1	MW-1	3510C, 8082A	T	1 mL					
480-55880-D-2	MW-4	3510C, 8082A	T	1 mL					
480-55880-C-3	MW-5	3510C, 8082A	T	1 mL					

The pound sign (#) in the amount added field denotes that the reagent was used undiluted. All calculations are performed using the stated concentration for this reagent.

PCBS BATCH WORKSHEET

Lab Name: TestAmerica Buffalo Job No.: 480-55783-1

SDG No.:

Batch Number: 169813 Batch Start Date: 03/13/14 07:04 Batch Analyst: Boyd, Matthew R

Batch Method: 3510C Batch End Date:

Batch Notes	
Acid Lot	Sulfuric 0000053267 TG 3/12/14
Balance ID	14552245
Person's name who did the concentration	MRB, TG, MZ
Exchange Solvent Lot #	0000064483
Exchange Solvent Name	Hexane
Final Concentrator Volume	1 mL
Na2SO4 Lot Number	27864001
Prep Solvent Lot #	0000067137
Prep Solvent Name	MeCl2
Prep Solvent Volume Used	60 mL
Person's name who did the prep	MZ MRB
Person's name who witnessed reagent drop	MRB
Person who performed Spike	MRB
Person who witnessed spiking	MRB
Sufficient volume for MS/MSD?	Yes

Basis	Basis Description
T	Total/NA

The pound sign (#) in the amount added field denotes that the reagent was used undiluted. All calculations are performed using the stated concentration for this reagent.

Method 8151A

Herbicides (GC) by Method 8151A

FORM II
HERBICIDES SURROGATE RECOVERY

Lab Name: TestAmerica Buffalo Job No.: 480-55783-1

SDG No.:

Matrix: Water Level: Low

GC Column (1): RTX-CLPI ID: 0.32 (mm)

Client Sample ID	Lab Sample ID	DCPA1	#
MW-P	480-55783-1	122	
MW-3	480-55783-2	131	
MW-1	480-55880-1	169	X
MW-4	480-55880-2	125	
MW-5	480-55880-3	137	X
	MB 480-169808/1-A	100	
	LCS 480-169808/2-A	120	

	QC LIMITS
DCPA = 2,4-Dichlorophenylacetic acid	40-135

Column to be used to flag recovery values

FORM II 8151A

FORM III
HERBICIDES LAB CONTROL SAMPLE RECOVERY

Lab Name: TestAmerica Buffalo Job No.: 480-55783-1

SDG No.:

Matrix: Water Level: Low Lab File ID: 13_56015.D

Lab ID: LCS 480-169808/2-A Client ID:

COMPOUND	SPIKE ADDED (ug/L)	LCS CONCENTRATION (ug/L)	LCS % REC	QC LIMITS REC	#
2,4-D	2.00	2.21	110	46-161	
Silvex (2,4,5-TP)	2.00	2.48	124	44-154	

Column to be used to flag recovery and RPD values

FORM III 8151A

FORM IV
HERBICIDES METHOD BLANK SUMMARY

Lab Name: TestAmerica Buffalo Job No.: 480-55783-1

SDG No.:

Lab Sample ID: MB 480-169808/1-A

Matrix: Water Date Extracted: 03/13/2014 05:49

Lab File ID:(1) 13_56014.D Lab File ID:(2)

Date Analyzed:(1) 03/14/2014 13:37 Date Analyzed:(2)

Instrument ID:(1) HP5890-13 Instrument ID:(2)

GC Column:(1) RTX-CLPI ID: 0.32(mm) GC Column:(2) ID:

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES:

CLIENT SAMPLE ID	LAB SAMPLE ID	DATE ANALYZED 1	DATE ANALYZED 2
	LCS 480-169808/2-A	03/14/2014 14:07	
MW-P	480-55783-1	03/14/2014 15:36	
MW-3	480-55783-2	03/14/2014 16:06	
MW-1	480-55880-1	03/14/2014 18:34	
MW-4	480-55880-2	03/14/2014 19:04	
MW-5	480-55880-3	03/14/2014 19:33	

FORM I
HERBICIDES ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Buffalo | Job No.: 480-55783-1

SDG No.:

Client Sample ID: MW-P | Lab Sample ID: 480-55783-1

Matrix: Water | Lab File ID: 13_56018.D

Analysis Method: 8151A | Date Collected: 03/10/2014 14:05

Extraction Method: 8151A | Date Extracted: 03/13/2014 05:49

Sample wt/vol: 1053.6(mL) | Date Analyzed: 03/14/2014 15:36

Con. Extract Vol.: 10(mL) | Dilution Factor: 1

Injection Volume: 1(uL) | GC Column: RTX-CLPI ID: 0.32(mm)

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

Analysis Batch No.: 170053 | Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
94-75-7	2,4-D	ND		0.47	0.38
93-72-1	Silvex (2,4,5-TP)	ND		0.47	0.34

CAS NO.	SURROGATE	%REC	Q	LIMITS
19719-28-9	2,4-Dichlorophenylacetic acid	122		40-135

TestAmerica Buffalo
Target Compound Quantitation Report

Data File: \\Bufchrom\ChromData\HP5890-13\20140314-30169.b\13_56018.D
Lims ID: 480-55783-A-1-A Lab Sample ID: 480-55783-1
Client ID: MW-P
Sample Type: Client
Inject. Date: 14-Mar-2014 15:36:24 ALS Bottle#: 0 Worklist Smp#: 18
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info:
Operator ID: buftchrom Instrument ID: HP5890-13

Method: \\Bufchrom\ChromData\HP5890-13\20140314-30169.b\8151-13.m
Limit Group: GC - 8151A - ICAL
Last Update: 17-Mar-2014 15:18:46 Calib Date: 19-Dec-2013 16:24:48
Integrator: Falcon
Quant Method: External Standard Quant By: Initial Calibration
Last ICal File: \\Bufchrom\ChromData\HP5890-13\20131219-28281.b\13_52052.D

Column 1 : RTX-CLPI (0.32 mm) Det: Ch-A-13A01239
Column 2 : RTX-CLPII (0.32 mm) Det: Ch-B-13b01239
Process Host: XAWRK035

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	On-Col Amt ng/ul	Flags
$ 2 2,4-Dichlorophenylacetic acid						
1	12.373	12.380	-0.007	642535	0.6116	
2	14.127	14.133	-0.006	573985	0.4821	
					RPD = 23.68	

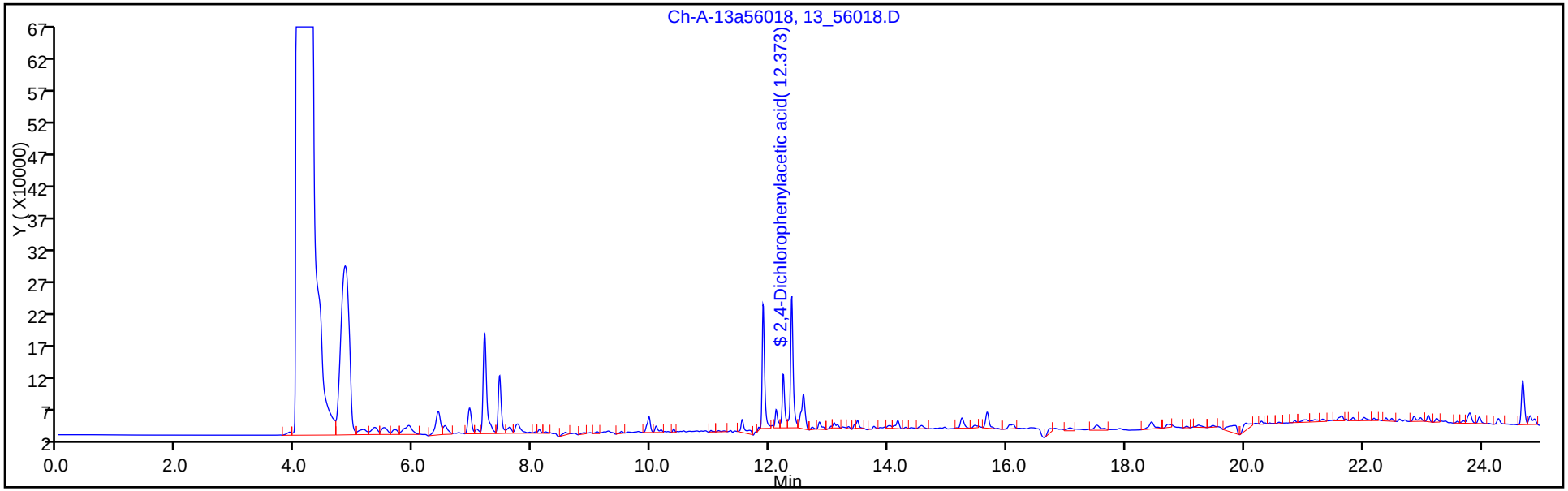
Report Date: 17-Mar-2014 15:18:50 Chrom Revision: 2.1 17-Feb-2014 09:05:58

TestAmerica Buffalo

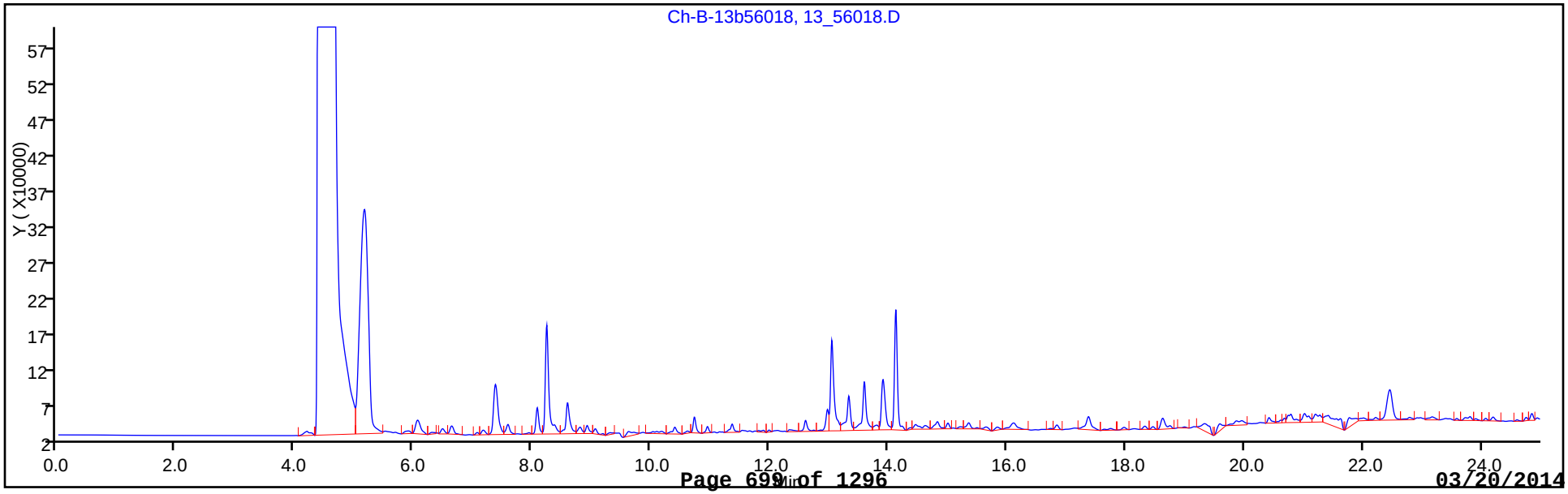
Data File: \\Bufchrom\ChromData\HP5890-13\20140314-30169.b\13_56018.D

Injection Date:	14-Mar-2014 15:36:24	Instrument ID:	HP5890-13	Operator ID:	buftchrom
Lims ID:	480-55783-A-1-A	Lab Sample ID:	480-55783-1	Worklist Smp#:	18
Client ID:	MW-P				
Injection Vol:	1.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	0
Method:	8151-13	Limit Group:	GC - 8151A - ICAL		

Column: RTX-CLPI (0.32 mm) Y Scaling: Method Defined: Set to Absolute Y Value



Column: RTX-CLPII (0.32 mm) Y Scaling: Method Defined: Set to Absolute Y Value



FORM I
HERBICIDES ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Buffalo | Job No.: 480-55783-1

SDG No.:

Client Sample ID: MW-3 | Lab Sample ID: 480-55783-2

Matrix: Water | Lab File ID: 13_56019.D

Analysis Method: 8151A | Date Collected: 03/10/2014 15:00

Extraction Method: 8151A | Date Extracted: 03/13/2014 05:49

Sample wt/vol: 1055.7(mL) | Date Analyzed: 03/14/2014 16:06

Con. Extract Vol.: 10(mL) | Dilution Factor: 1

Injection Volume: 1(uL) | GC Column: RTX-CLPI ID: 0.32(mm)

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

Analysis Batch No.: 170053 | Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
94-75-7	2,4-D	ND		0.47	0.38
93-72-1	Silvex (2,4,5-TP)	ND		0.47	0.34

CAS NO.	SURROGATE	%REC	Q	LIMITS
19719-28-9	2,4-Dichlorophenylacetic acid	131		40-135

TestAmerica Buffalo
Target Compound Quantitation Report

Data File: \\Bufchrom\ChromData\HP5890-13\20140314-30169.b\13_56019.D
Lims ID: 480-55783-B-2-A Lab Sample ID: 480-55783-2
Client ID: MW-3
Sample Type: Client
Inject. Date: 14-Mar-2014 16:06:05 ALS Bottle#: 0 Worklist Smp#: 19
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info:
Operator ID: buftchrom Instrument ID: HP5890-13

Method: \\Bufchrom\ChromData\HP5890-13\20140314-30169.b\8151-13.m
Limit Group: GC - 8151A - ICAL
Last Update: 17-Mar-2014 15:18:46 Calib Date: 19-Dec-2013 16:24:48
Integrator: Falcon
Quant Method: External Standard Quant By: Initial Calibration
Last ICal File: \\Bufchrom\ChromData\HP5890-13\20131219-28281.b\13_52052.D

Column 1 : RTX-CLPI (0.32 mm) Det: Ch-A-13A01239
Column 2 : RTX-CLPII (0.32 mm) Det: Ch-B-13b01239
Process Host: XAWRK035

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	On-Col Amt ng/ul	Flags
$ 2 2,4-Dichlorophenylacetic acid						
1	12.373	12.380	-0.007	676600	0.6546	
2	14.127	14.133	-0.006	600767	0.5097	
					RPD = 24.89	

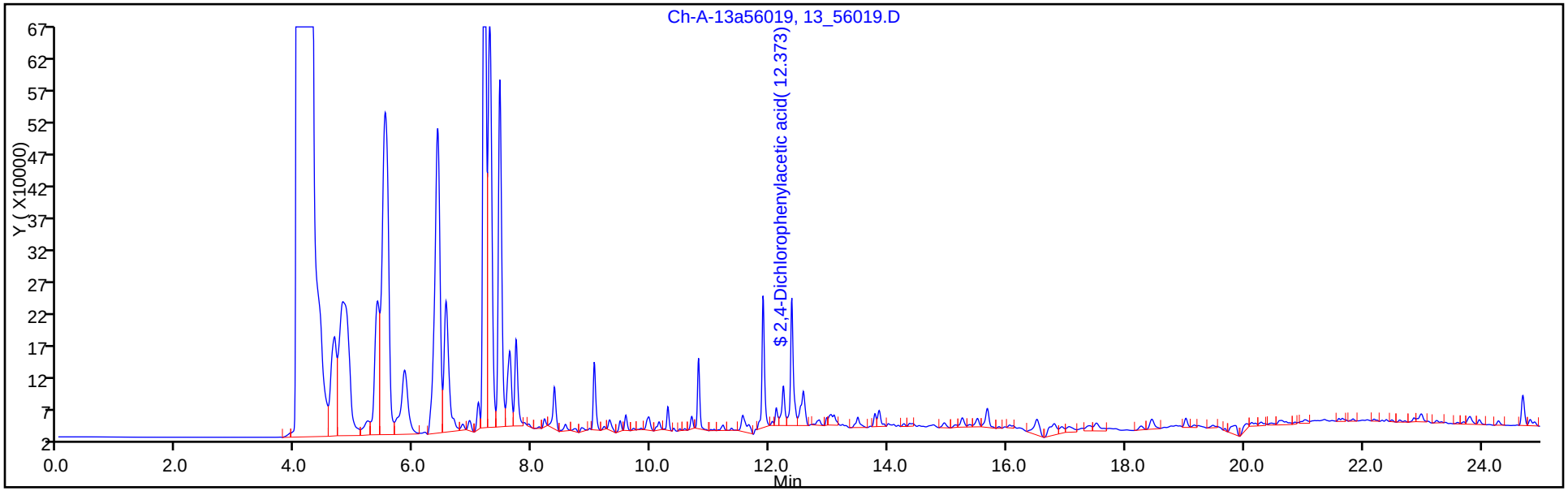
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TestAmerica Buffalo

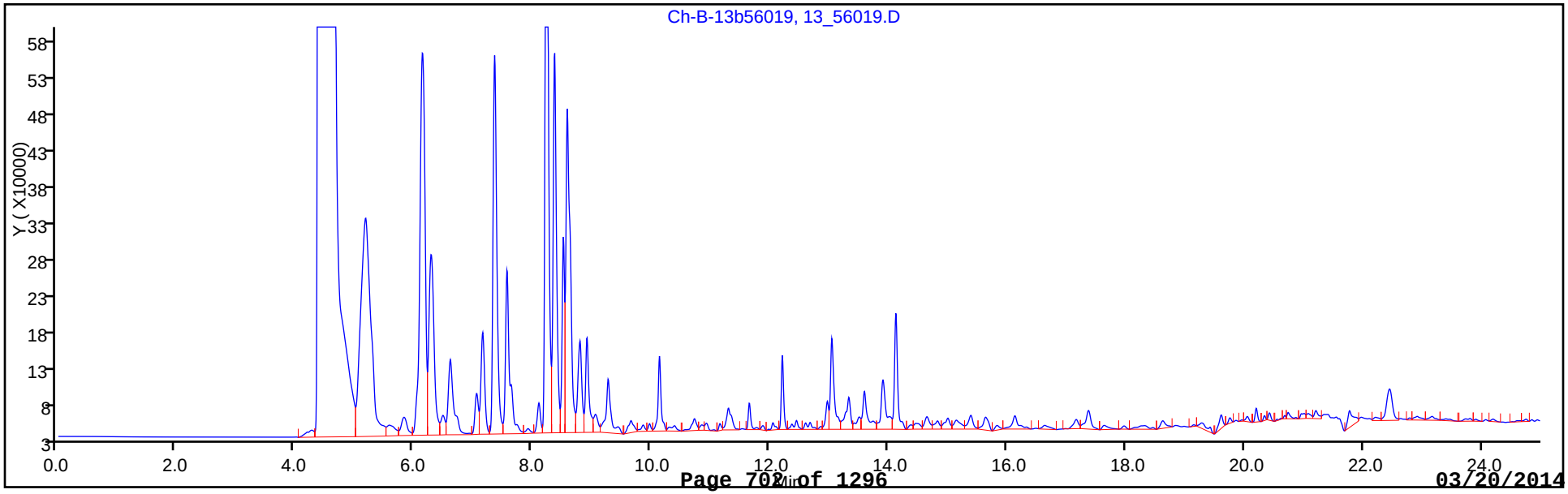
Data File: \\Bufchrom\ChromData\HP5890-13\20140314-30169.b\13_56019.D

Injection Date:	14-Mar-2014 16:06:05	Instrument ID:	HP5890-13	Operator ID:	buftchrom
Lims ID:	480-55783-B-2-A	Lab Sample ID:	480-55783-2	Worklist Smp#:	19
Client ID:	MW-3				
Injection Vol:	1.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	0
Method:	8151-13	Limit Group:	GC - 8151A - ICAL		

Column: RTX-CLPI (0.32 mm) Y Scaling: Method Defined: Set to Absolute Y Value



Column: RTX-CLPII (0.32 mm) Y Scaling: Method Defined: Set to Absolute Y Value



FORM I
HERBICIDES ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Buffalo Job No.: 480-55783-1

SDG No.:

Client Sample ID: MW-1 Lab Sample ID: 480-55880-1

Matrix: Water Lab File ID: 13_56024.D

Analysis Method: 8151A Date Collected: 03/11/2014 15:20

Extraction Method: 8151A Date Extracted: 03/13/2014 05:49

Sample wt/vol: 1051.9(mL) Date Analyzed: 03/14/2014 18:34

Con. Extract Vol.: 10(mL) Dilution Factor: 1

Injection Volume: 1(uL) GC Column: RTX-CLPI ID: 0.32(mm)

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

Analysis Batch No.: 170053 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
94-75-7	2,4-D	ND		0.48	0.38
93-72-1	Silvex (2,4,5-TP)	ND		0.48	0.34

CAS NO.	SURROGATE	%REC	Q	LIMITS
19719-28-9	2,4-Dichlorophenylacetic acid	169	X	40-135

TestAmerica Buffalo
Target Compound Quantitation Report

Data File: \\Bufchrom\ChromData\HP5890-13\20140314-30169.b\13_56024.D
Lims ID: 480-55880-A-1-A Lab Sample ID: 480-55880-1
Client ID: MW-1
Sample Type: Client
Inject. Date: 14-Mar-2014 18:34:33 ALS Bottle#: 0 Worklist Smp#: 24
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info:
Operator ID: buftchrom Instrument ID: HP5890-13

Method: \\Bufchrom\ChromData\HP5890-13\20140314-30169.b\8151-13.m
Limit Group: GC - 8151A - ICAL
Last Update: 17-Mar-2014 15:18:55 Calib Date: 19-Dec-2013 16:24:48
Integrator: Falcon
Quant Method: External Standard Quant By: Initial Calibration
Last ICal File: \\Bufchrom\ChromData\HP5890-13\20131219-28281.b\13_52052.D

Column 1 : RTX-CLPI (0.32 mm) Det: Ch-A-13A01239
Column 2 : RTX-CLPII (0.32 mm) Det: Ch-B-13b01239
Process Host: XAWRK035

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	On-Col Amt ng/ul	Flags
$ 2 2,4-Dichlorophenylacetic acid						
1	12.367	12.380	-0.013	812152	0.8464	
2	14.127	14.133	-0.006	653392	0.5657	
					RPD = 39.76	

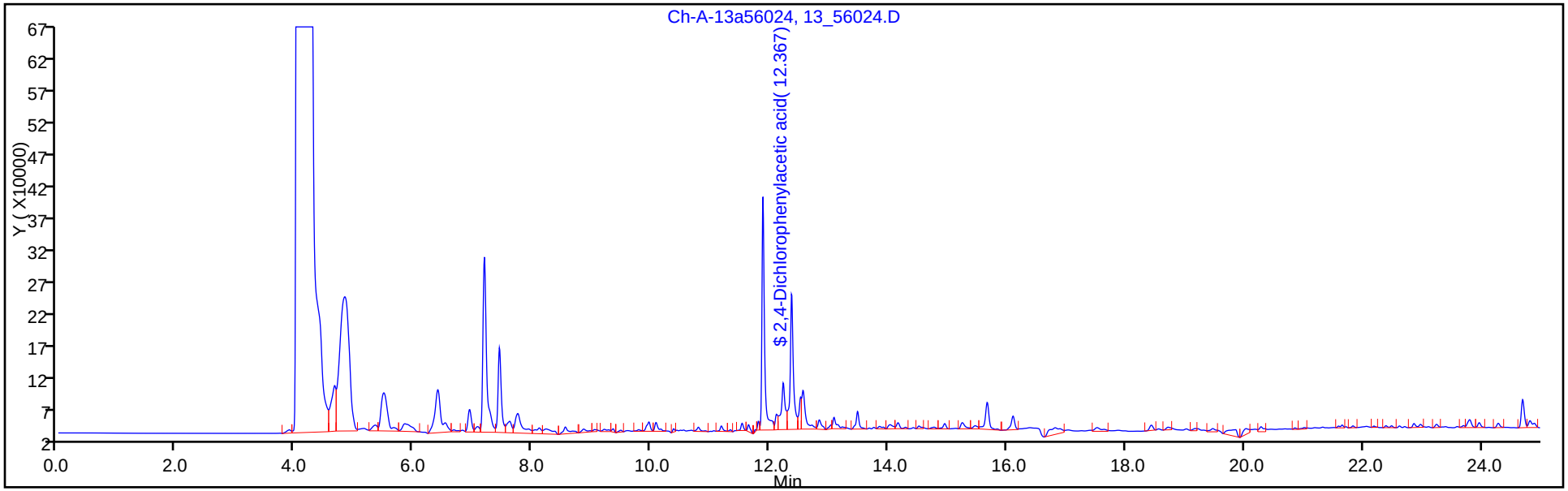
Report Date: 17-Mar-2014 15:18:56 Chrom Revision: 2.1 17-Feb-2014 09:05:58

TestAmerica Buffalo

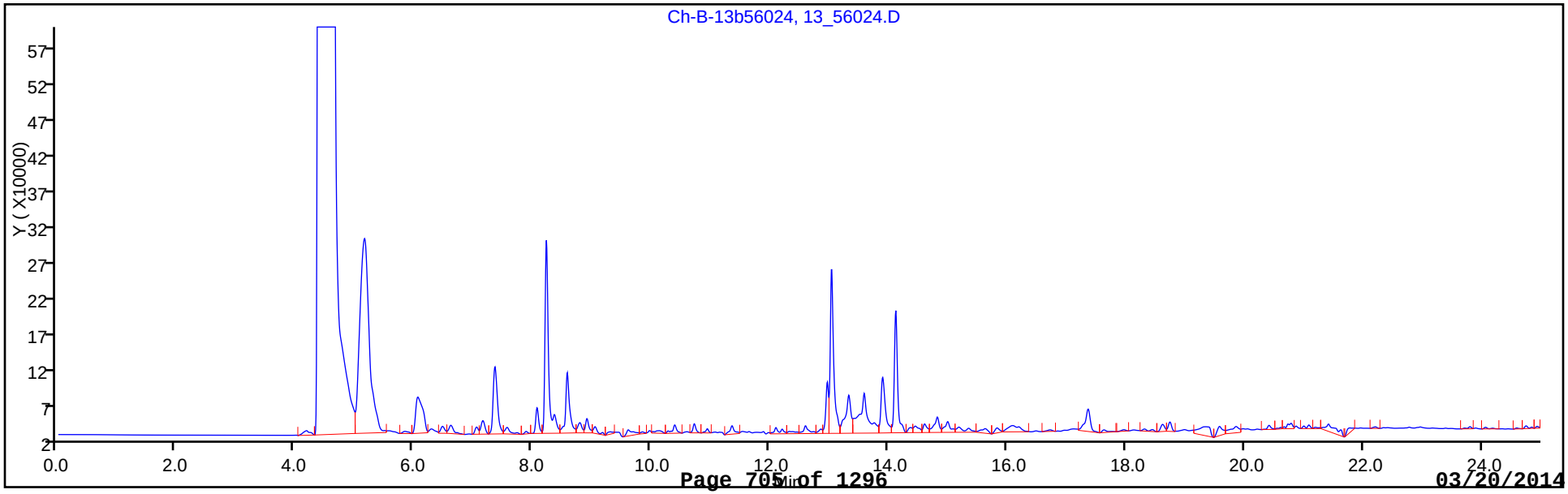
Data File: \\Bufchrom\ChromData\HP5890-13\20140314-30169.b\13_56024.D

Injection Date:	14-Mar-2014 18:34:33	Instrument ID:	HP5890-13	Operator ID:	buftchrom
Lims ID:	480-55880-A-1-A	Lab Sample ID:	480-55880-1	Worklist Smp#:	24
Client ID:	MW-1				
Injection Vol:	1.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	0
Method:	8151-13	Limit Group:	GC - 8151A - ICAL		

Column: RTX-CLPI (0.32 mm) Y Scaling: Method Defined: Set to Absolute Y Value



Column: RTX-CLPII (0.32 mm) Y Scaling: Method Defined: Set to Absolute Y Value



FORM I
HERBICIDES ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Buffalo | Job No.: 480-55783-1

SDG No.:

Client Sample ID: MW-4 | Lab Sample ID: 480-55880-2

Matrix: Water | Lab File ID: 13_56025.D

Analysis Method: 8151A | Date Collected: 03/11/2014 14:35

Extraction Method: 8151A | Date Extracted: 03/13/2014 05:49

Sample wt/vol: 1046.3(mL) | Date Analyzed: 03/14/2014 19:04

Con. Extract Vol.: 10(mL) | Dilution Factor: 1

Injection Volume: 1(uL) | GC Column: RTX-CLPI ID: 0.32(mm)

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

Analysis Batch No.: 170053 | Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
94-75-7	2,4-D	ND		0.48	0.38
93-72-1	Silvex (2,4,5-TP)	ND		0.48	0.34

CAS NO.	SURROGATE	%REC	Q	LIMITS
19719-28-9	2,4-Dichlorophenylacetic acid	125		40-135

TestAmerica Buffalo
Target Compound Quantitation Report

Data File: \\Bufchrom\ChromData\HP5890-13\20140314-30169.b\13_56025.D
Lims ID: 480-55880-B-2-A Lab Sample ID: 480-55880-2
Client ID: MW-4
Sample Type: Client
Inject. Date: 14-Mar-2014 19:04:12 ALS Bottle#: 0 Worklist Smp#: 25
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info:
Operator ID: buftchrom Instrument ID: HP5890-13

Method: \\Bufchrom\ChromData\HP5890-13\20140314-30169.b\8151-13.m
Limit Group: GC - 8151A - ICAL
Last Update: 17-Mar-2014 15:18:55 Calib Date: 19-Dec-2013 16:24:48
Integrator: Falcon
Quant Method: External Standard Quant By: Initial Calibration
Last ICal File: \\Bufchrom\ChromData\HP5890-13\20131219-28281.b\13_52052.D

Column 1 : RTX-CLPI (0.32 mm) Det: Ch-A-13A01239
Column 2 : RTX-CLPII (0.32 mm) Det: Ch-B-13b01239
Process Host: XAWRK035

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	On-Col Amt ng/ul	Flags
$ 2 2,4-Dichlorophenylacetic acid						
1	12.367	12.380	-0.013	653367	0.6251	
2	14.127	14.133	-0.006	625172	0.5353	
					RPD = 15.47	

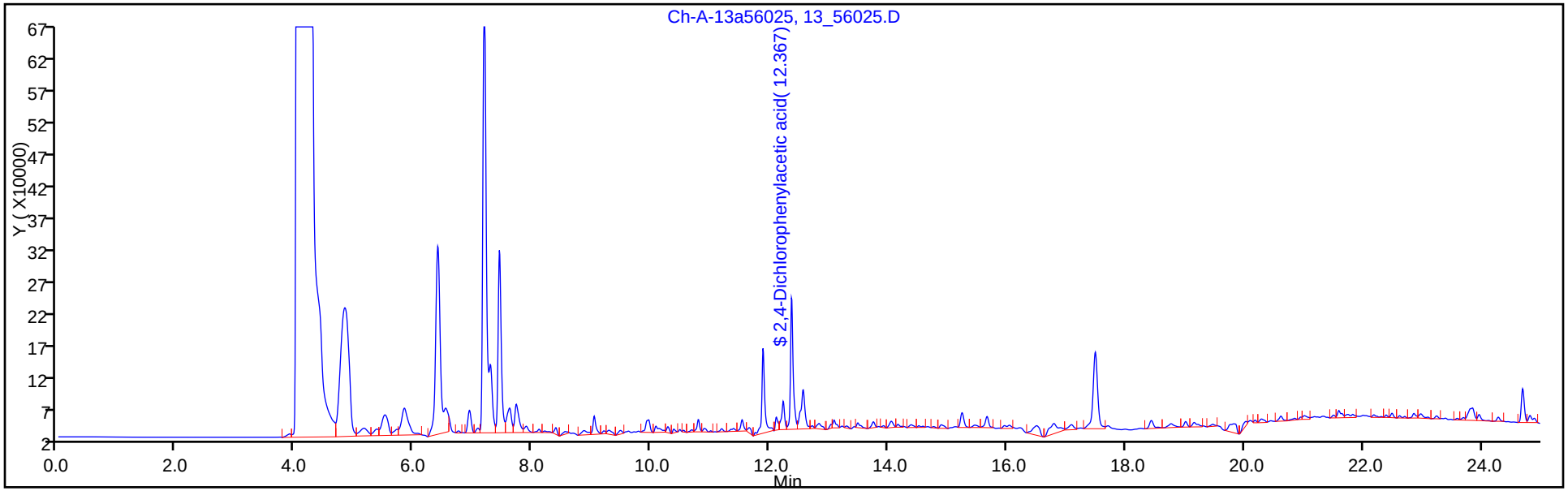
Report Date: 17-Mar-2014 15:18:57 Chrom Revision: 2.1 17-Feb-2014 09:05:58

TestAmerica Buffalo

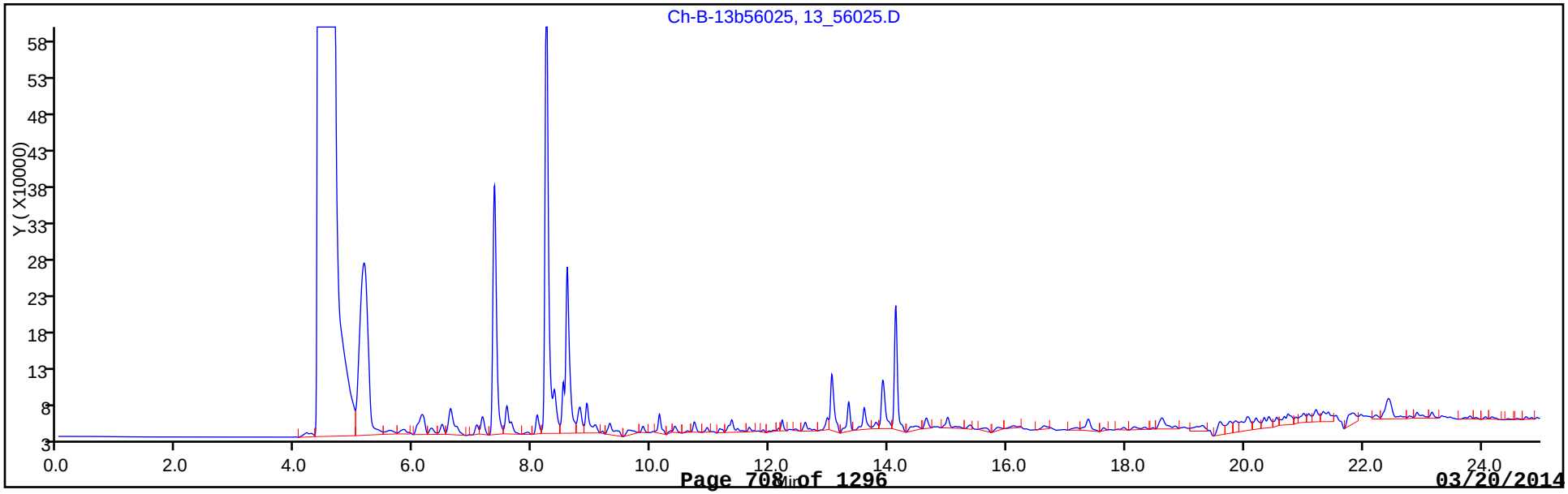
Data File: \\Bufchrom\ChromData\HP5890-13\20140314-30169.b\13_56025.D

Injection Date:	14-Mar-2014 19:04:12	Instrument ID:	HP5890-13	Operator ID:	buftchrom
Lims ID:	480-55880-B-2-A	Lab Sample ID:	480-55880-2	Worklist Smp#:	25
Client ID:	MW-4				
Injection Vol:	1.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	0
Method:	8151-13	Limit Group:	GC - 8151A - ICAL		

Column: RTX-CLPI (0.32 mm) Y Scaling: Method Defined: Set to Absolute Y Value



Column: RTX-CLPII (0.32 mm) Y Scaling: Method Defined: Set to Absolute Y Value



FORM I
HERBICIDES ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Buffalo | Job No.: 480-55783-1

SDG No.:

Client Sample ID: MW-5 | Lab Sample ID: 480-55880-3

Matrix: Water | Lab File ID: 13_56026.D

Analysis Method: 8151A | Date Collected: 03/11/2014 13:50

Extraction Method: 8151A | Date Extracted: 03/13/2014 05:49

Sample wt/vol: 1047.6(mL) | Date Analyzed: 03/14/2014 19:33

Con. Extract Vol.: 10(mL) | Dilution Factor: 1

Injection Volume: 1(uL) | GC Column: RTX-CLPI ID: 0.32(mm)

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

Analysis Batch No.: 170053 | Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
94-75-7	2,4-D	ND		0.48	0.38
93-72-1	Silvex (2,4,5-TP)	ND		0.48	0.34

CAS NO.	SURROGATE	%REC	Q	LIMITS
19719-28-9	2,4-Dichlorophenylacetic acid	137	X	40-135

TestAmerica Buffalo
Target Compound Quantitation Report

Data File: \\Bufchrom\ChromData\HP5890-13\20140314-30169.b\13_56026.D
Lims ID: 480-55880-B-3-A Lab Sample ID: 480-55880-3
Client ID: MW-5
Sample Type: Client
Inject. Date: 14-Mar-2014 19:33:52 ALS Bottle#: 0 Worklist Smp#: 26
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info:
Operator ID: buftchrom Instrument ID: HP5890-13

Method: \\Bufchrom\ChromData\HP5890-13\20140314-30169.b\8151-13.m
Limit Group: GC - 8151A - ICAL
Last Update: 17-Mar-2014 15:18:55 Calib Date: 19-Dec-2013 16:24:48
Integrator: Falcon
Quant Method: External Standard Quant By: Initial Calibration
Last ICal File: \\Bufchrom\ChromData\HP5890-13\20131219-28281.b\13_52052.D

Column 1 : RTX-CLPI (0.32 mm) Det: Ch-A-13A01239
Column 2 : RTX-CLPII (0.32 mm) Det: Ch-B-13b01239
Process Host: XAWRK035

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	On-Col Amt ng/ul	Flags
$ 2 2,4-Dichlorophenylacetic acid						
1	12.367	12.380	-0.013	700242	0.6855	
2	14.127	14.133	-0.006	602316	0.5113	
					RPD = 29.11	

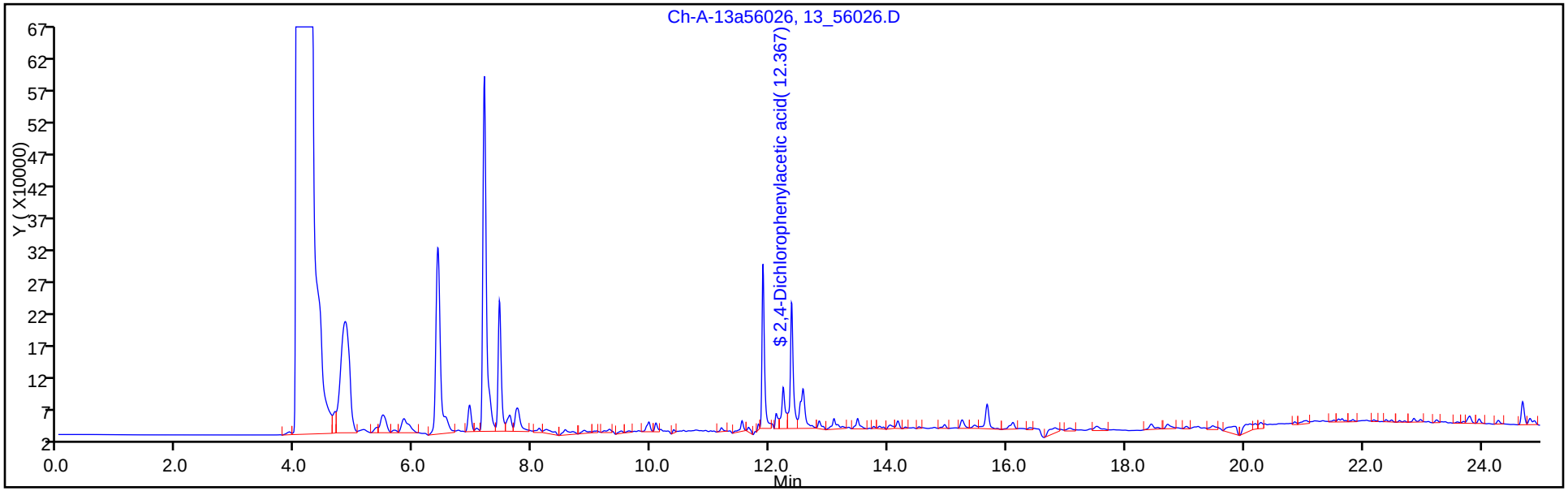
Report Date: 17-Mar-2014 15:18:57 Chrom Revision: 2.1 17-Feb-2014 09:05:58

TestAmerica Buffalo

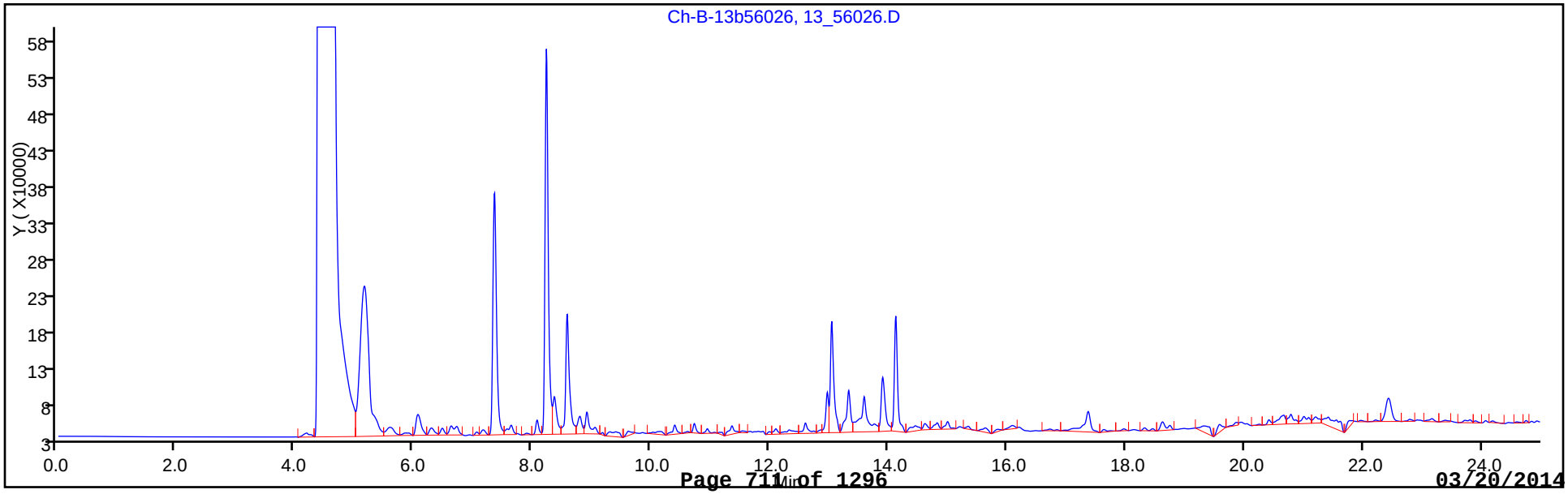
Data File: \\Bufchrom\ChromData\HP5890-13\20140314-30169.b\13_56026.D

Injection Date:	14-Mar-2014 19:33:52	Instrument ID:	HP5890-13	Operator ID:	buftchrom
Lims ID:	480-55880-B-3-A	Lab Sample ID:	480-55880-3	Worklist Smp#:	26
Client ID:	MW-5				
Injection Vol:	1.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	0
Method:	8151-13	Limit Group:	GC - 8151A - ICAL		

Column: RTX-CLPI (0.32 mm) Y Scaling: Method Defined: Set to Absolute Y Value



Column: RTX-CLPII (0.32 mm) Y Scaling: Method Defined: Set to Absolute Y Value



FORM VI
HERBICIDES INITIAL CALIBRATION DATA
EXTERNAL STANDARD RETENTION TIME SUMMARY

Lab Name: TestAmerica Buffalo Job No.: 480-55783-1 Analy Batch No.: 158530

SDG No.:

Instrument ID: HP5890-13 GC Column: RTX-CLPI ID: 0.32(mm) Heated Purge: (Y/N) N

Calibration Start Date: 12/19/2013 13:27 Calibration End Date: 12/19/2013 16:24 Calibration ID: 16535

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 480-158530/4	13_52046.D
Level 2	IC 480-158530/5	13_52047.D
Level 3	IC 480-158530/6	13_52048.D
Level 4	IC 480-158530/7	13_52049.D
Level 5	IC 480-158530/8	13_52050.D
Level 6	IC 480-158530/9	13_52051.D
Level 7	IC 480-158530/10	13_52052.D

ANALYTE	LVL 1	LVL 2	LVL 3	LVL 4	LVL 5	LVL 6	LVL 7				RT WINDOW	AVG RT
Dalapon	6.227	6.233	6.233	6.233	6.227	6.227	+++++				6.203 - 6.263	6.230
Dichlorprop	13.673	13.673	13.667	13.667	13.660	13.653	+++++				13.637 - 13.697	13.666
2,4-D	14.040	14.033	14.020	14.013	14.000	13.993	+++++				13.990 - 14.050	14.017
Pentachlorophenol	14.500	14.500	14.500	14.500	14.500	+++++	+++++				14.470 - 14.530	14.500
Silvex (2,4,5-TP)	15.393	15.393	15.387	15.387	15.380	15.380	+++++				15.357 - 15.417	15.387
2,4,5-T	15.953	15.947	15.940	15.927	15.920	15.913	+++++				15.910 - 15.970	15.933
Picloram	+++++	19.387	19.373	19.360	19.347	19.340	19.327				19.343 - 19.403	19.356
Dinoseb	+++++	19.627	19.627	19.627	19.627	19.620	19.620				19.597 - 19.657	19.625
2,4-Dichlorophenylacetic acid	12.480	12.480	12.473	12.473	12.467	12.460	12.460				12.443 - 12.503	12.470

FORM VI
HERBICIDES INITIAL CALIBRATION DATA
EXTERNAL STANDARD CURVE EVALUATION

Lab Name: TestAmerica Buffalo Job No.: 480-55783-1 Analy Batch No.: 158530

SDG No.:

Instrument ID: HP5890-13 GC Column: RTX-CLPI ID: 0.32(mm) Heated Purge: (Y/N) N

Calibration Start Date: 12/19/2013 13:27 Calibration End Date: 12/19/2013 16:24 Calibration ID: 16535

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 480-158530/4	13_52046.D
Level 2	IC 480-158530/5	13_52047.D
Level 3	IC 480-158530/6	13_52048.D
Level 4	IC 480-158530/7	13_52049.D
Level 5	IC 480-158530/8	13_52050.D
Level 6	IC 480-158530/9	13_52051.D
Level 7	IC 480-158530/10	13_52052.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								
Dalapon	1872200 1362772	1718200 1210978	1563580 +++++	1448660	Lin1	8761.60534	1257788.57							0.9950		0.9900
Dichlorprop	1886200 1218540	1586000 1040870	1464980 +++++	1357040	Lin1	10565.3811	1098078.19							0.9900		0.9900
2,4-D	1778700 1360628	1535900 1186406	1510360 +++++	1458190	Lin1	7248.20499	1247002.98							0.9930		0.9900
Pentachlorophenol	14777200 10775216	12902550 +++++	12112820 +++++	11563520	Lin1	44500.3987	10788646.5							0.9990		0.9900
Silvex (2,4,5-TP)	6005200 4667908	5246850 4106974	4977400 +++++	4912760	Lin1	22406.9321	4291567.10							0.9950		0.9900
2,4,5-T	5357400 4445796	4745650 3969934	4625040 +++++	4573900	Lin1	15887.0609	4127121.11							0.9960		0.9900
Picloram	+++++ 3288704	2663750 3079058	2800980 2662704	3016160	Qua	-32171.542	3600065.50	-905196.55						1.0000		0.9900
Dinoseb	+++++ 3377616	4625450 2870892	4077060 2402861	3785780	Qua	44768.0765	3312188.90	-958473.03						0.9990		0.9900
2,4-Dichlorophenylacetic acid	1834000 1257044	1600850 1073886	1534240 903371	1414930	Qua	12557.7176	1252334.99	-363465.52						0.9990		0.9900

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

FORM VI
HERBICIDES INITIAL CALIBRATION DATA
EXTERNAL STANDARD RESPONSE AND CONCENTRATION

Lab Name: TestAmerica Buffalo Job No.: 480-55783-1 Analy Batch No.: 158530

SDG No.:

Instrument ID: HP5890-13 GC Column: RTX-CLPI ID: 0.32(mm) Heated Purge: (Y/N) N

Calibration Start Date: 12/19/2013 13:27 Calibration End Date: 12/19/2013 16:24 Calibration ID: 16535

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 480-158530/4	13_52046.D
Level 2	IC 480-158530/5	13_52047.D
Level 3	IC 480-158530/6	13_52048.D
Level 4	IC 480-158530/7	13_52049.D
Level 5	IC 480-158530/8	13_52050.D
Level 6	IC 480-158530/9	13_52051.D
Level 7	IC 480-158530/10	13_52052.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
Dalapon	Lin1	18722 605489	34364 +++++	78179	144866	340693	0.0100 0.500	0.0200 +++++	0.0500	0.100	0.250
Dichlorprop	Lin1	18862 520435	31720 +++++	73249	135704	304635	0.0100 0.500	0.0200 +++++	0.0500	0.100	0.250
2,4-D	Lin1	17787 593203	30718 +++++	75518	145819	340157	0.0100 0.500	0.0200 +++++	0.0500	0.100	0.250
Pentachlorophenol	Lin1	147772 +++++	258051 +++++	605641	1156352	2693804	0.0100 +++++	0.0200 +++++	0.0500	0.100	0.250
Silvex (2,4,5-TP)	Lin1	60052 2053487	104937 +++++	248870	491276	1166977	0.0100 0.500	0.0200 +++++	0.0500	0.100	0.250
2,4,5-T	Lin1	53574 1984967	94913 +++++	231252	457390	1111449	0.0100 0.500	0.0200 +++++	0.0500	0.100	0.250
Picloram	Qua	+++++ 1539529	53275 2662704	140049	301616	822176	+++++ 0.500	0.0200 1.00	0.0500	0.100	0.250
Dinoseb	Qua	+++++ 1435446	92509 2402861	203853	378578	844404	+++++ 0.500	0.0200 1.00	0.0500	0.100	0.250
2,4-Dichlorophenylacetic acid	Qua	18340 536943	32017 903371	76712	141493	314261	0.0100 0.500	0.0200 1.00	0.0500	0.100	0.250

Curve Type Legend:

Lin1 = Linear 1/conc
Qua = Quadratic

TestAmerica Buffalo
Target Compound Quantitation Report

Data File: \\Bufchrom\ChromData\HP5890-13\20131219-28281.b\13_52046.D
Lims ID: IC 0.01 Lab Sample ID:
Client ID:
Sample Type: IC Calib Level: 1
Inject. Date: 19-Dec-2013 13:27:09 ALS Bottle#: 0 Worklist Smp#: 4
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: Name: IC 0.01
Misc. Info.: Study: 480-0028281-004 Channel B: I/F Serial#, 4087270795
Operator ID: tchrom Instrument ID: HP5890-13
Sublist: chrom-8151-13*sub1

Method: \\Bufchrom\ChromData\HP5890-13\20131219-28281.b\8151-13.m
Limit Group: GC - 8151A - ICAL
Last Update: 20-Dec-2013 13:21:59 Calib Date: 19-Dec-2013 16:24:48
Integrator: Falcon
Quant Method: External Standard Quant By: Initial Calibration
Last ICal File: \\Bufchrom\ChromData\HP5890-13\20131219-28281.b\13_52052.D

Column 1 : RTX-CLPI (0.32 mm) Detector: Ch-A-13A01239
Column 2 : RTX-CLPII (0.32 mm) Detector: Ch-B-13b01239
Process Host: XAWRK037

First Level Reviewer: RudzG Date: 20-Dec-2013 13:21:59

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	On-Col Amt ng/ul	Flags
1 Dalapon						
1	6.227	6.233	-0.006	18722	0.007919	
2	6.920	6.927	-0.007	17197	0.008015	
					RPD = 1.20	
$ 2 2,4-Dichlorophenylacetic acid						
1	12.480	12.473	0.007	18340	0.004623	
2	14.260	14.253	0.007	20259	0.004912	
					RPD = 6.04	
3 Dichlorprop						
1	13.673	13.667	0.006	18862	0.007556	
2	15.887	15.880	0.007	17443	0.008090	
					RPD = 6.83	
4 2,4-D						
1	14.040	14.020	0.020	17787	0.008451	
2	16.607	16.593	0.014	16862	0.008933	
					RPD = 5.54	
5 Pentachlorophenol						
1	14.500	14.500	0.0	147772	0.009572	
2	17.933	17.933	0.0	147331	0.009889	
					RPD = 3.25	
6 Silvex (2,4,5-TP)						
1	15.393	15.387	0.006	60052	0.008772	
2	18.713	18.713	0.0	57433	0.009378	
					RPD = 6.68	
7 2,4,5-T						
1	15.953	15.940	0.013	53574	0.009132	
2	19.540	19.533	0.007	55430	0.009434	
					RPD = 3.25	

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	On-Col Amt ng/ul	Flags
8 Picloram						
1	19.393	19.373	0.020	30339	0.0174	
2	22.247	22.240	0.007	30446	0.0164	
					RPD = 6.29	
9 Dinoseb						
1	19.627	19.627	0.0	56434	0.003526	
2	20.880	20.880	0.0	48571	0.004855	
					RPD = 31.72	

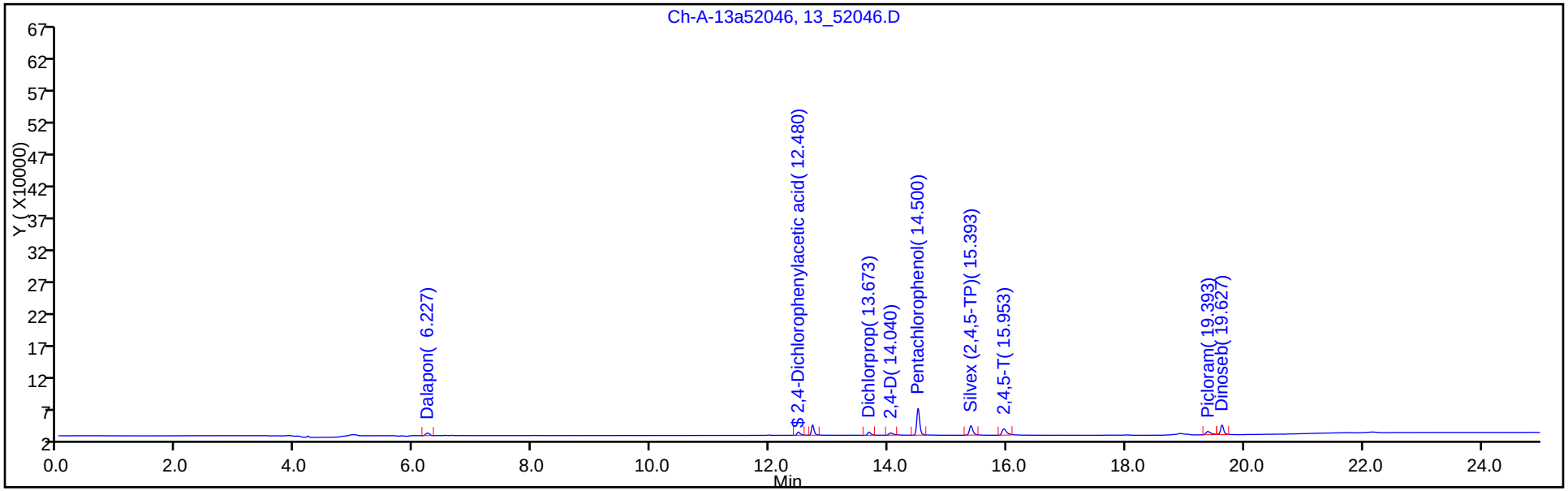
Report Date: 20-Dec-2013 13:22:00 Chrom Revision: 2.1 15-Oct-2013 07:52:24

TestAmerica Buffalo

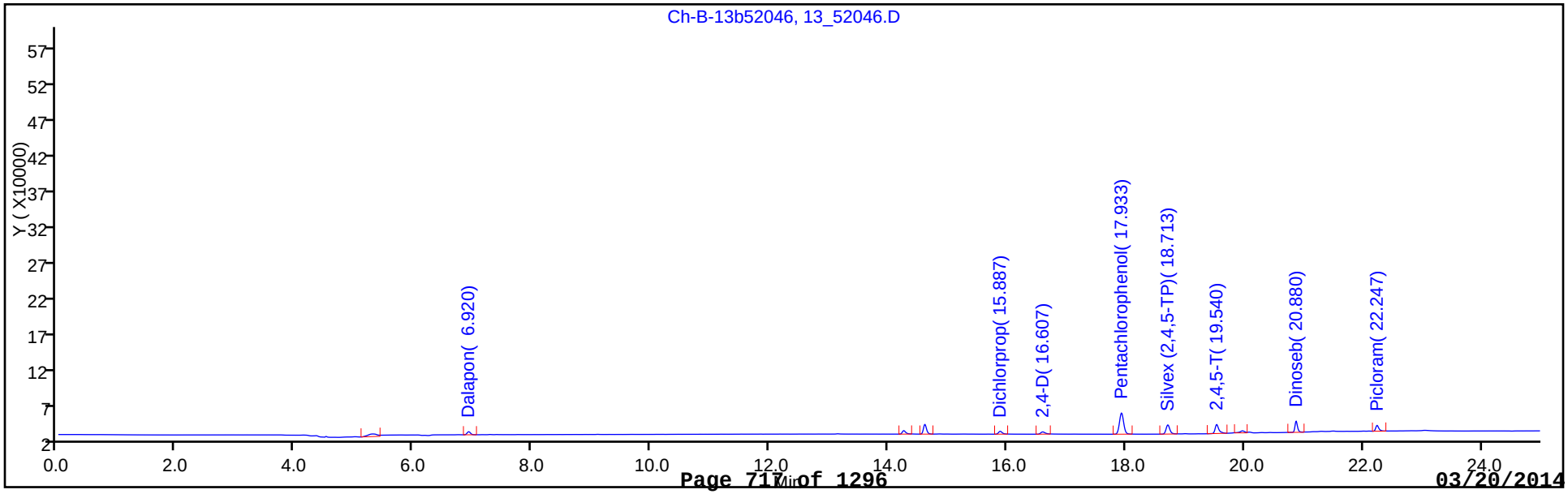
Data File: \\Bufchrom\ChromData\HP5890-13\20131219-28281.b\13_52046.D

Injection Date:	19-Dec-2013 13:27:09	Instrument ID:	HP5890-13	Operator ID:	tchrom
Lims ID:	IC 0.01	Lab Sample ID:		Worklist Smp#:	4
Client ID:					
Injection Vol:	1.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	0
Method:	8151-13	Limit Group:	GC - 8151A - ICAL		

Column: RTX-CLPI (0.32 mm) Y Scaling: Method Defined: Set to Absolute Y Value



Column: RTX-CLPII (0.32 mm) Y Scaling: Method Defined: Set to Absolute Y Value



TestAmerica Buffalo
Target Compound Quantitation Report

Data File: \\Bufchrom\ChromData\HP5890-13\20131219-28281.b\13_52047.D
Lims ID: IC 0.02 Lab Sample ID:
Client ID:
Sample Type: IC Calib Level: 2
Inject. Date: 19-Dec-2013 13:56:47 ALS Bottle#: 0 Worklist Smp#: 5
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: Name: IC 0.02
Misc. Info.: Study: 480-0028281-005 Channel B: I/F Serial#, 4087270795
Operator ID: tchrom Instrument ID: HP5890-13
Sublist: chrom-8151-13*sub1

Method: \\Bufchrom\ChromData\HP5890-13\20131219-28281.b\8151-13.m
Limit Group: GC - 8151A - ICAL
Last Update: 20-Dec-2013 13:22:08 Calib Date: 19-Dec-2013 16:24:48
Integrator: Falcon
Quant Method: External Standard Quant By: Initial Calibration
Last ICal File: \\Bufchrom\ChromData\HP5890-13\20131219-28281.b\13_52052.D

Column 1 : RTX-CLPI (0.32 mm) Detector: Ch-A-13A01239
Column 2 : RTX-CLPII (0.32 mm) Detector: Ch-B-13b01239
Process Host: XAWRK037

First Level Reviewer: RudzG Date: 20-Dec-2013 13:22:08

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	On-Col Amt ng/ul	Flags
1 Dalapon						
1	6.233	6.233	0.0	34364	0.0204	
2	6.927	6.927	0.0	31701	0.0203	
					RPD = 0.46	
$ 2 2,4-Dichlorophenylacetic acid						
1	12.480	12.473	0.007	32017	0.0156	
2	14.260	14.253	0.007	34474	0.0156	
					RPD = 0.33	
3 Dichlorprop						
1	13.673	13.667	0.006	31720	0.0193	
2	15.887	15.880	0.007	30105	0.0194	
					RPD = 0.51	
4 2,4-D						
1	14.033	14.020	0.013	30718	0.0188	
2	16.600	16.593	0.007	29488	0.0190	
					RPD = 0.93	
5 Pentachlorophenol						
1	14.500	14.500	0.0	258051	0.0198	
2	17.933	17.933	0.0	259239	0.0196	
					RPD = 1.02	
6 Silvex (2,4,5-TP)						
1	15.393	15.387	0.006	104937	0.0192	
2	18.713	18.713	0.0	97413	0.0191	
					RPD = 0.67	
7 2,4,5-T						
1	15.947	15.940	0.007	94913	0.0191	
2	19.540	19.533	0.007	93570	0.0191	
					RPD = 0.01	

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	On-Col Amt ng/ul	Flags
8 Picloram						
1	19.387	19.373	0.014	53275	0.0239	
2	22.247	22.240	0.007	52169	0.0235	
					RPD = 1.69	
9 Dinoseb						
1	19.627	19.627	0.0	92509	0.0145	
2	20.880	20.880	0.0	79263	0.0153	
					RPD = 5.36	

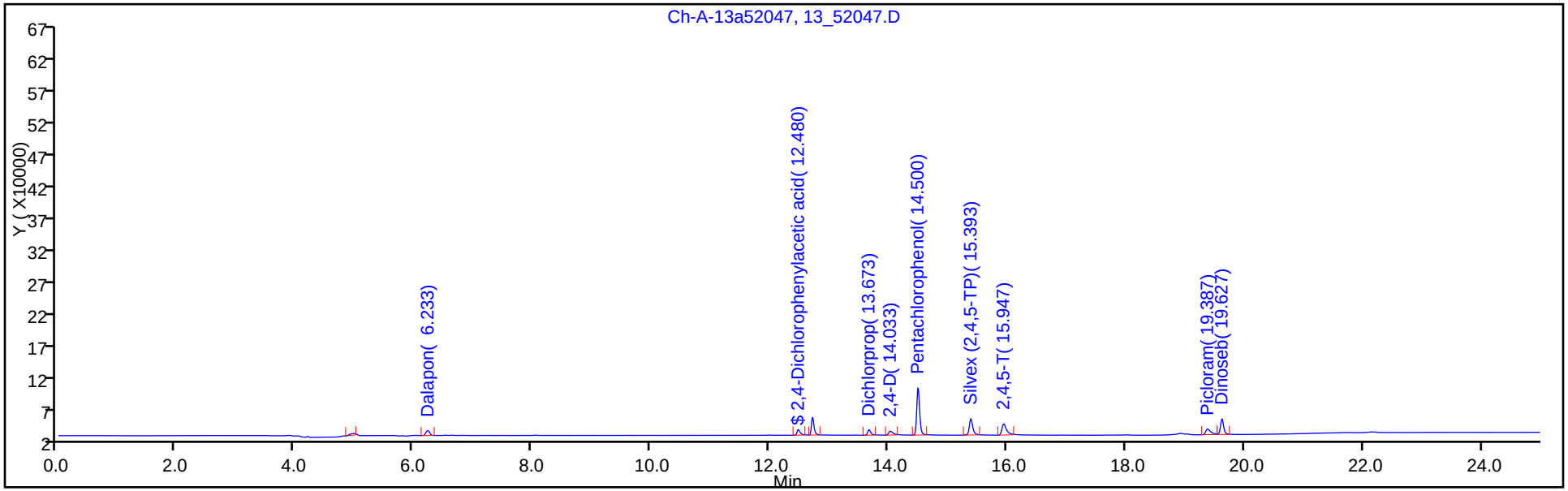
Report Date: 20-Dec-2013 13:22:08 Chrom Revision: 2.1 15-Oct-2013 07:52:24

TestAmerica Buffalo

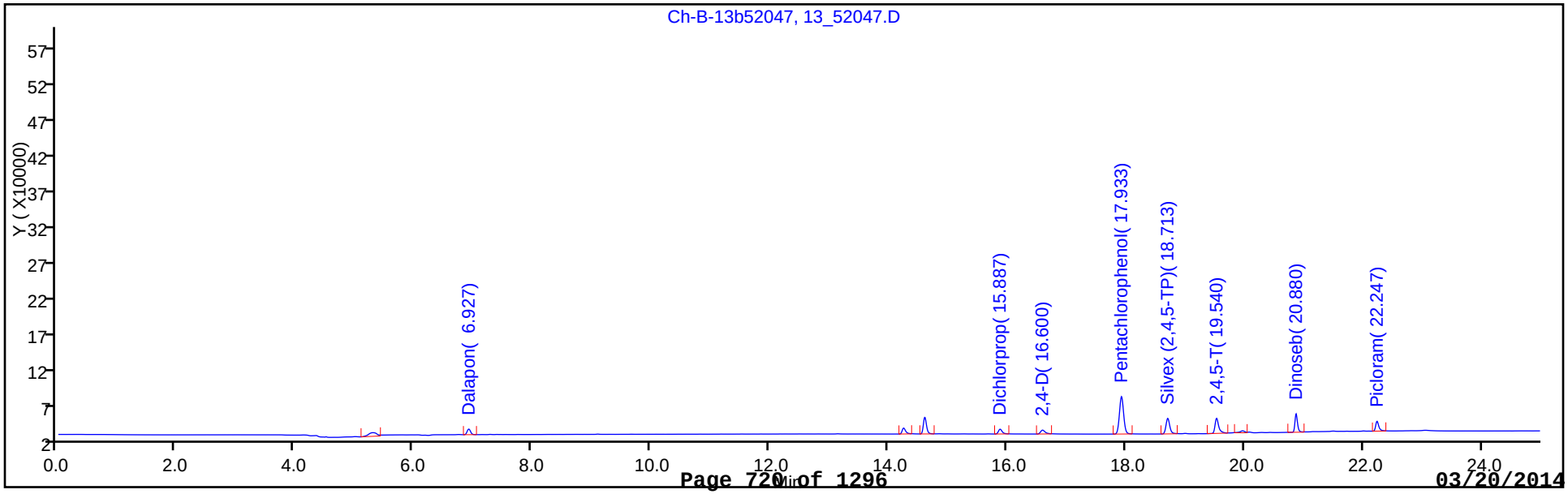
Data File: \\Bufchrom\ChromData\HP5890-13\20131219-28281.b\13_52047.D

Injection Date:	19-Dec-2013 13:56:47	Instrument ID:	HP5890-13	Operator ID:	tchrom
Lims ID:	IC 0.02	Lab Sample ID:		Worklist Smp#:	5
Client ID:					
Injection Vol:	1.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	0
Method:	8151-13	Limit Group:	GC - 8151A - ICAL		

Column: RTX-CLPI (0.32 mm) Y Scaling: Method Defined: Set to Absolute Y Value



Column: RTX-CLPII (0.32 mm) Y Scaling: Method Defined: Set to Absolute Y Value



TestAmerica Buffalo
Target Compound Quantitation Report

Data File: \\Bufchrom\ChromData\HP5890-13\20131219-28281.b\13_52048.D
Lims ID: IC 0.05 Lab Sample ID:
Client ID:
Sample Type: IC Calib Level: 3
Inject. Date: 19-Dec-2013 14:26:28 ALS Bottle#: 0 Worklist Smp#: 6
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: Name: IC 0.05
Misc. Info.: Study: 480-0028281-006 Channel B: I/F Serial#, 4087270795
Operator ID: tchrom Instrument ID: HP5890-13
Sublist: chrom-8151-13*sub1

Method: \\Bufchrom\ChromData\HP5890-13\20131219-28281.b\8151-13.m
Limit Group: GC - 8151A - ICAL
Last Update: 20-Dec-2013 13:22:17 Calib Date: 19-Dec-2013 16:24:48
Integrator: Falcon
Quant Method: External Standard Quant By: Initial Calibration
Last ICal File: \\Bufchrom\ChromData\HP5890-13\20131219-28281.b\13_52052.D

Column 1 : RTX-CLPI (0.32 mm) Detector: Ch-A-13A01239
Column 2 : RTX-CLPII (0.32 mm) Detector: Ch-B-13b01239
Process Host: XAWRK037

First Level Reviewer: RudzG Date: 20-Dec-2013 13:22:17

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	On-Col Amt ng/ul	Flags
1 Dalapon						
1	6.233	6.233	0.0	78179	0.0552	
2	6.927	6.927	0.0	72765	0.0549	
					RPD = 0.46	
$ 2 2,4-Dichlorophenylacetic acid						
1	12.473	12.473	0.0	76712	0.0520	
2	14.253	14.253	0.0	80765	0.0507	
					RPD = 2.59	
3 Dichlorprop						
1	13.667	13.667	0.0	73249	0.0571	
2	15.880	15.880	0.0	70397	0.0552	
					RPD = 3.29	
4 2,4-D						
1	14.020	14.020	0.0	75518	0.0547	
2	16.593	16.593	0.0	72388	0.0532	
					RPD = 2.88	
5 Pentachlorophenol						
1	14.500	14.500	0.0	605641	0.0520	
2	17.933	17.933	0.0	622399	0.0511	
					RPD = 1.79	
6 Silvex (2,4,5-TP)						
1	15.387	15.387	0.0	248870	0.0528	
2	18.713	18.713	0.0	230038	0.0514	
					RPD = 2.70	
7 2,4,5-T						
1	15.940	15.940	0.0	231252	0.0522	
2	19.533	19.533	0.0	218910	0.0511	
					RPD = 2.14	

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	On-Col Amt ng/ul	Flags
8 Picloram						
1	19.373	19.373	0.0	140049	0.0484	
2	22.240	22.240	0.0	127939	0.0484	
					RPD = 0.00	
9 Dinoseb						
1	19.627	19.627	0.0	203853	0.0487	
2	20.880	20.880	0.0	176912	0.0488	
					RPD = 0.20	

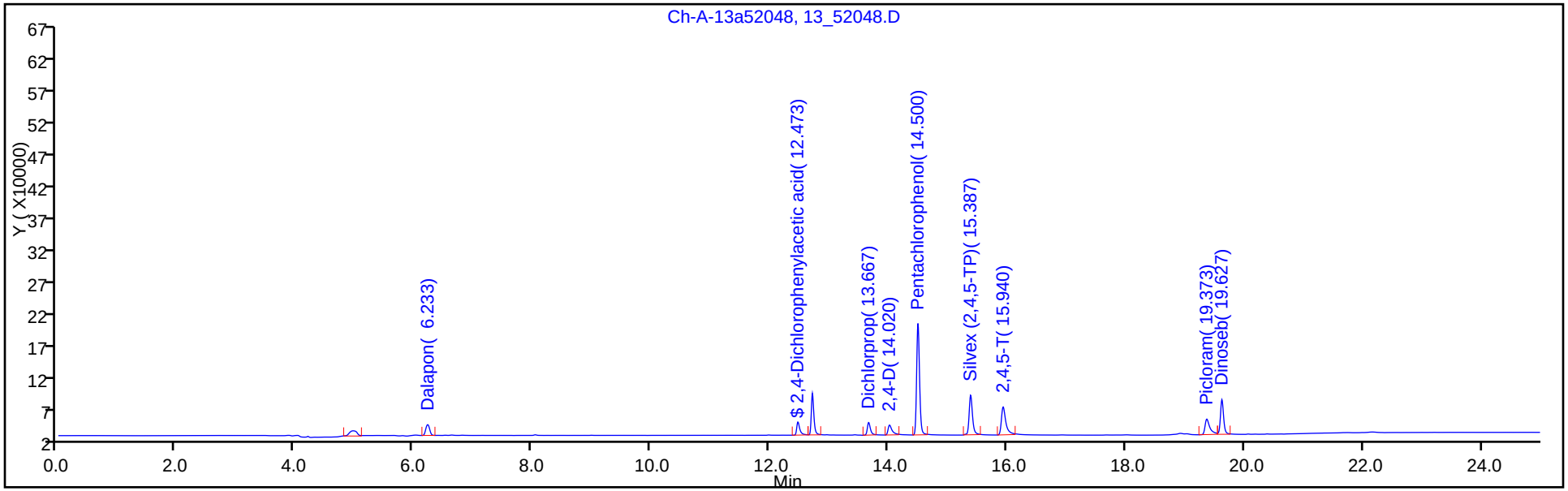
Report Date: 20-Dec-2013 13:22:17 Chrom Revision: 2.1 15-Oct-2013 07:52:24

TestAmerica Buffalo

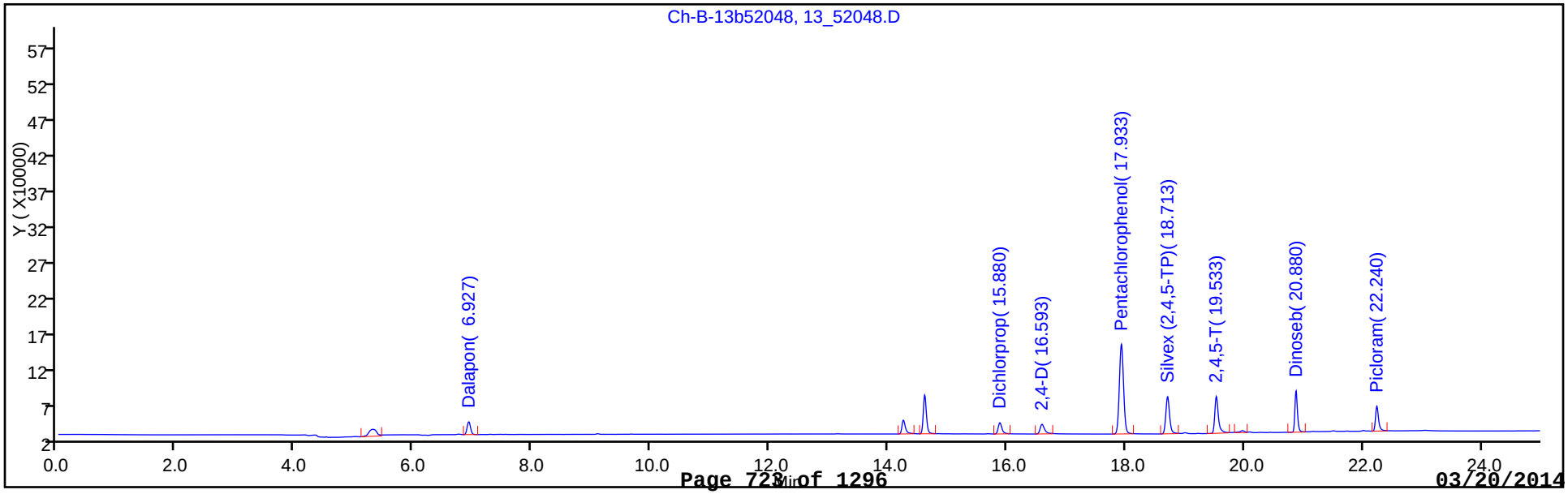
Data File: \\Bufchrom\ChromData\HP5890-13\20131219-28281.b\13_52048.D

Injection Date:	19-Dec-2013 14:26:28	Instrument ID:	HP5890-13	Operator ID:	tchrom
Lims ID:	IC 0.05	Lab Sample ID:		Worklist Smp#:	6
Client ID:					
Injection Vol:	1.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	0
Method:	8151-13	Limit Group:	GC - 8151A - ICAL		

Column: RTX-CLPI (0.32 mm) Y Scaling: Method Defined: Set to Absolute Y Value



Column: RTX-CLPII (0.32 mm) Y Scaling: Method Defined: Set to Absolute Y Value



TestAmerica Buffalo
Target Compound Quantitation Report

Data File: \\Bufchrom\ChromData\HP5890-13\20131219-28281.b\13_52049.D
Lims ID: IC 0.10 Lab Sample ID:
Client ID:
Sample Type: IC Calib Level: 4
Inject. Date: 19-Dec-2013 14:56:02 ALS Bottle#: 0 Worklist Smp#: 7
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: Name: IC 0.10
Misc. Info.: Study: 480-0028281-007 Channel B: I/F Serial#, 4087270795
Operator ID: tchrom Instrument ID: HP5890-13
Sublist: chrom-8151-13*sub1

Method: \\Bufchrom\ChromData\HP5890-13\20131219-28281.b\8151-13.m
Limit Group: GC - 8151A - ICAL
Last Update: 20-Dec-2013 13:22:23 Calib Date: 19-Dec-2013 16:24:48
Integrator: Falcon
Quant Method: External Standard Quant By: Initial Calibration
Last ICal File: \\Bufchrom\ChromData\HP5890-13\20131219-28281.b\13_52052.D

Column 1 : RTX-CLPI (0.32 mm) Detector: Ch-A-13A01239
Column 2 : RTX-CLPII (0.32 mm) Detector: Ch-B-13b01239
Process Host: XAWRK037

First Level Reviewer: RudzG Date: 20-Dec-2013 13:22:23

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	On-Col Amt ng/ul	Flags
1 Dalapon						
1	6.233	6.233	0.0	144866	0.1082	
2	6.920	6.927	-0.007	136068	0.1084	
					RPD = 0.17	
$ 2 2,4-Dichlorophenylacetic acid						
1	12.473	12.473	0.0	141493	0.1062	
2	14.253	14.253	0.0	152992	0.1069	
					RPD = 0.67	
3 Dichlorprop						
1	13.667	13.667	0.0	135704	0.1140	
2	15.880	15.880	0.0	133329	0.1113	
					RPD = 2.39	
4 2,4-D						
1	14.013	14.020	-0.007	145819	0.1111	
2	16.587	16.593	-0.006	141023	0.1079	
					RPD = 2.94	
5 Pentachlorophenol						
1	14.500	14.500	0.0	1156352	0.1031	
2	17.933	17.933	0.0	1209438	0.1020	
					RPD = 1.03	
6 Silvex (2,4,5-TP)						
1	15.387	15.387	0.0	491276	0.1093	
2	18.707	18.713	-0.006	456014	0.1063	
					RPD = 2.71	
7 2,4,5-T						
1	15.927	15.940	-0.013	457390	0.1070	
2	19.533	19.533	0.0	434290	0.1059	
					RPD = 0.97	

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	On-Col Amt ng/ul	Flags
8 Picloram						
1	19.360	19.373	-0.013	301616	0.0950	
2	22.240	22.240	0.0	271475	0.0965	
					RPD = 1.59	
9 Dinoseb						
1	19.627	19.627	0.0	378578	0.1039	
2	20.880	20.880	0.0	330861	0.1030	
					RPD = 0.87	

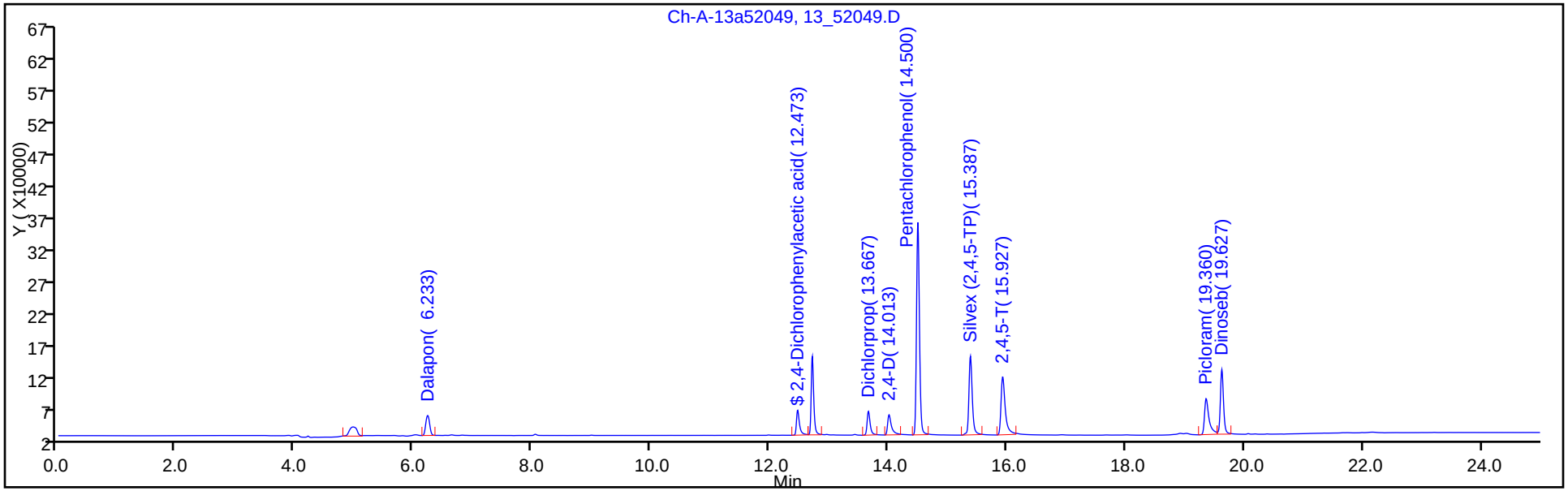
Report Date: 20-Dec-2013 13:22:23 Chrom Revision: 2.1 15-Oct-2013 07:52:24

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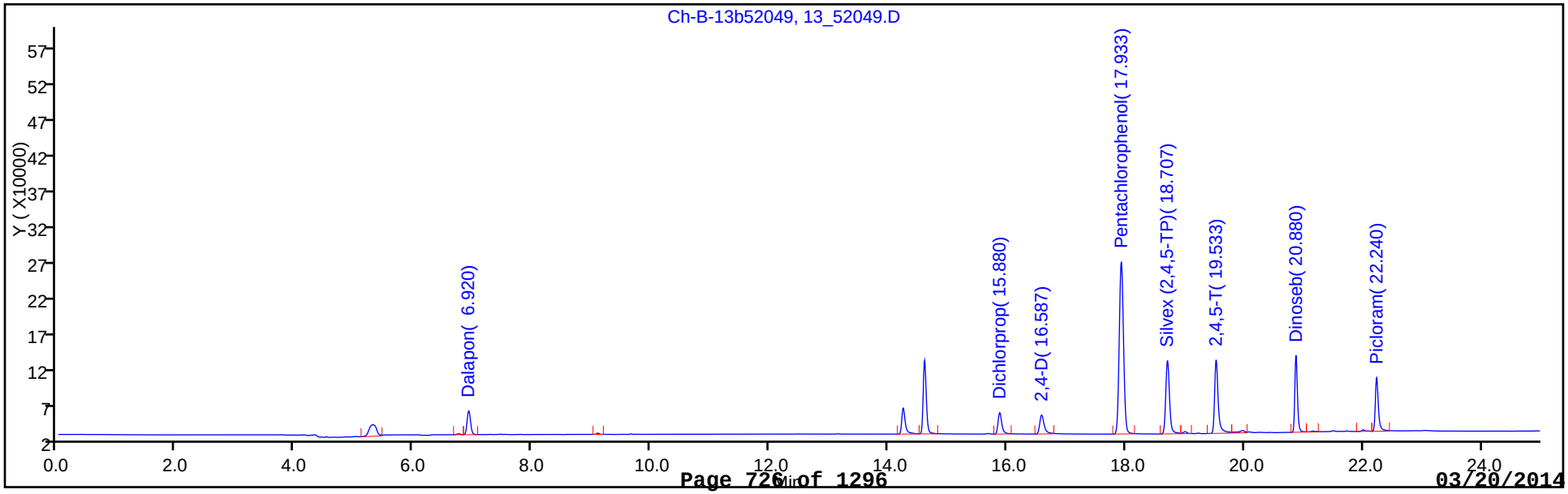
Data File: \\Bufchrom\ChromData\HP5890-13\20131219-28281.b\13_52049.D

Injection Date:	19-Dec-2013 14:56:02	Instrument ID:	HP5890-13	Operator ID:	tchrom
Lims ID:	IC 0.10	Lab Sample ID:		Worklist Smp#:	7
Client ID:					
Injection Vol:	1.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	0
Method:	8151-13	Limit Group:	GC - 8151A - ICAL		

Column: RTX-CLPI (0.32 mm) Y Scaling: Method Defined: Set to Absolute Y Value



Column: RTX-CLPII (0.32 mm) Y Scaling: Method Defined: Set to Absolute Y Value



TestAmerica Buffalo
Target Compound Quantitation Report

Data File: \\Bufchrom\ChromData\HP5890-13\20131219-28281.b\13_52050.D
Lims ID: IC 0.25 Lab Sample ID:
Client ID:
Sample Type: IC Calib Level: 5
Inject. Date: 19-Dec-2013 15:25:39 ALS Bottle#: 0 Worklist Smp#: 8
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: Name: IC 0.25
Misc. Info.: Study: 480-0028281-008 Channel B: I/F Serial#, 4087270795
Operator ID: tchrom Instrument ID: HP5890-13
Sublist: chrom-8151-13*sub1

Method: \\Bufchrom\ChromData\HP5890-13\20131219-28281.b\8151-13.m
Limit Group: GC - 8151A - ICAL
Last Update: 20-Dec-2013 13:22:28 Calib Date: 19-Dec-2013 16:24:48
Integrator: Falcon
Quant Method: External Standard Quant By: Initial Calibration
Last ICal File: \\Bufchrom\ChromData\HP5890-13\20131219-28281.b\13_52052.D

Column 1 : RTX-CLPI (0.32 mm) Detector: Ch-A-13A01239
Column 2 : RTX-CLPII (0.32 mm) Detector: Ch-B-13b01239
Process Host: XAWRK037

First Level Reviewer: RudzG Date: 20-Dec-2013 13:22:28

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	On-Col Amt ng/ul	Flags
1 Dalapon						
1	6.227	6.233	-0.006	340693	0.2639	
2	6.920	6.927	-0.007	319087	0.2629	
					RPD = 0.36	
$ 2 2,4-Dichlorophenylacetic acid						
1	12.467	12.473	-0.006	314261	0.2606	
2	14.247	14.253	-0.006	339485	0.2617	
					RPD = 0.43	
3 Dichlorprop						
1	13.660	13.667	-0.007	304635	0.2678	
2	15.873	15.880	-0.007	307915	0.2667	
					RPD = 0.41	
4 2,4-D						
1	14.000	14.020	-0.020	340157	0.2670	
2	16.580	16.593	-0.013	339454	0.2661	
					RPD = 0.34	
5 Pentachlorophenol						
1	14.500	14.500	0.0	2693804	0.2456	
2	17.927	17.933	-0.006	2886477	0.2474	
					RPD = 0.76	
6 Silvex (2,4,5-TP)						
1	15.380	15.387	-0.007	1166977	0.2667	
2	18.707	18.713	-0.006	1105856	0.2644	
					RPD = 0.86	
7 2,4,5-T						
1	15.920	15.940	-0.020	1111449	0.2655	
2	19.527	19.533	-0.006	1057393	0.2647	
					RPD = 0.29	

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	On-Col Amt ng/ul	Flags
8 Picloram						
1	19.347	19.373	-0.026	822176	0.2535	
2	22.233	22.240	-0.007	711969	0.2514	
					RPD = 0.80	
9 Dinoseb						
1	19.627	19.627	0.0	844404	0.2612	
2	20.873	20.880	-0.007	751027	0.2604	
					RPD = 0.31	

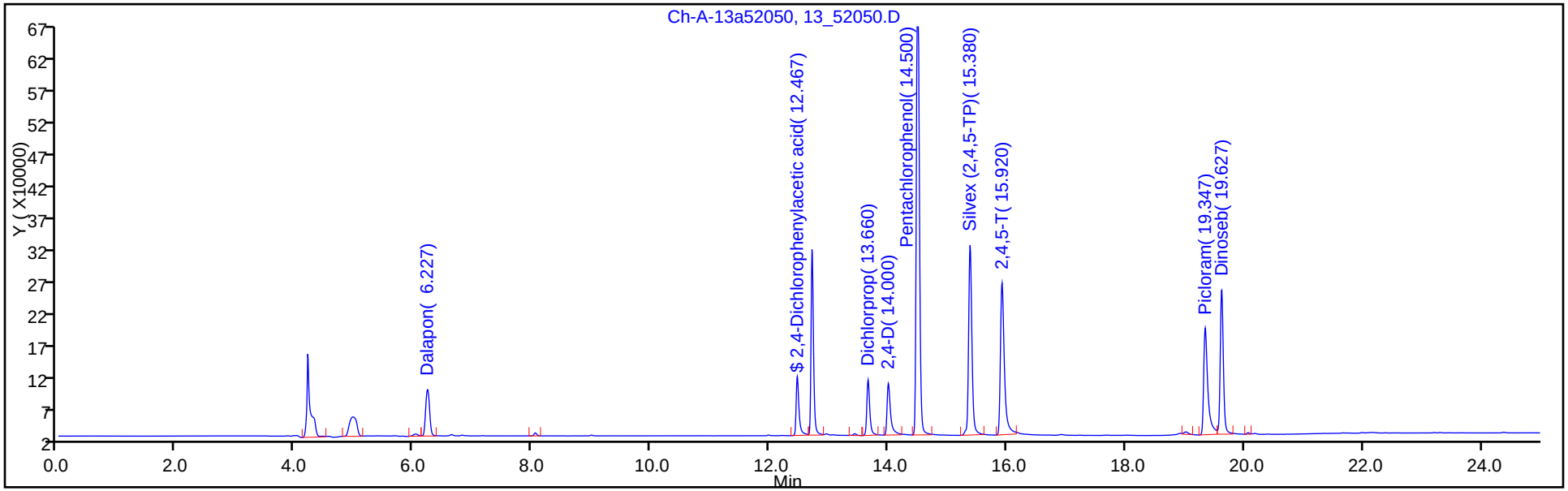
Report Date: 20-Dec-2013 13:22:28 Chrom Revision: 2.1 15-Oct-2013 07:52:24

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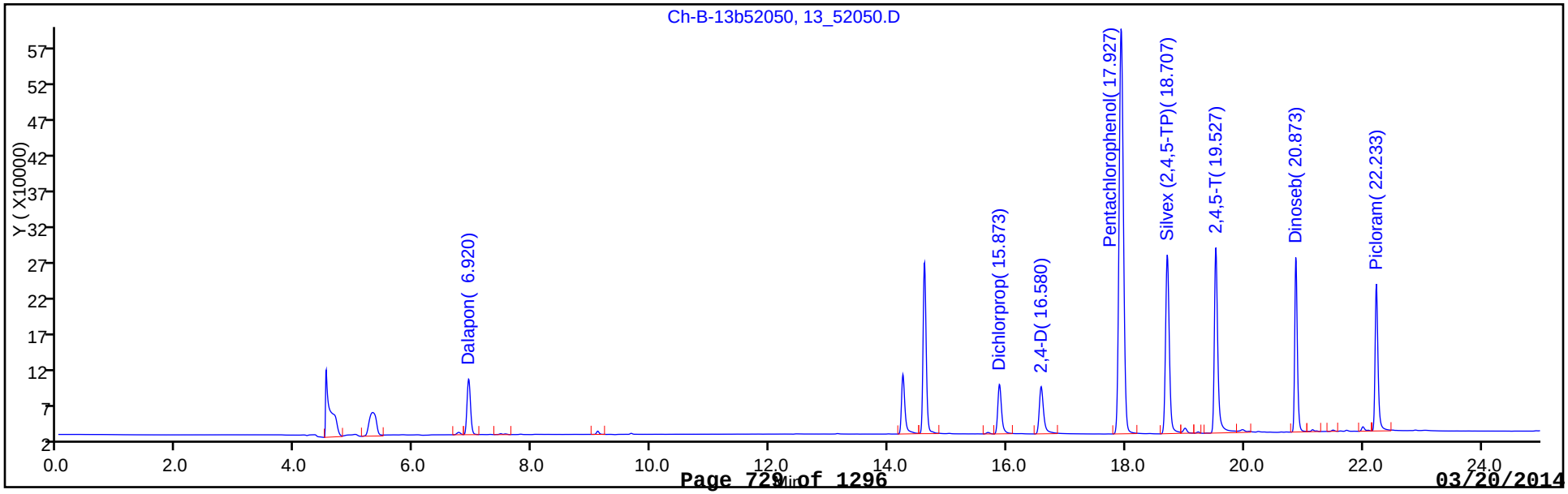
Data File: \\Bufchrom\ChromData\HP5890-13\20131219-28281.b\13_52050.D

Injection Date:	19-Dec-2013 15:25:39	Instrument ID:	HP5890-13	Operator ID:	tchrom
Lims ID:	IC 0.25	Lab Sample ID:		Worklist Smp#:	8
Client ID:					
Injection Vol:	1.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	0
Method:	8151-13	Limit Group:	GC - 8151A - ICAL		

Column: RTX-CLPI (0.32 mm) Y Scaling: Method Defined: Set to Absolute Y Value



Column: RTX-CLPII (0.32 mm) Y Scaling: Method Defined: Set to Absolute Y Value



TestAmerica Buffalo
Target Compound Quantitation Report

Data File: \\Bufchrom\ChromData\HP5890-13\20131219-28281.b\13_52051.D
Lims ID: IC 0.50 Lab Sample ID:
Client ID:
Sample Type: IC Calib Level: 6
Inject. Date: 19-Dec-2013 15:55:12 ALS Bottle#: 0 Worklist Smp#: 9
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: Name: IC 0.50
Misc. Info.: Study: 480-0028281-009 Channel B: I/F Serial#, 4087270795
Operator ID: tchrom Instrument ID: HP5890-13
Sublist: chrom-8151-13*sub1

Method: \\Bufchrom\ChromData\HP5890-13\20131219-28281.b\8151-13.m
Limit Group: GC - 8151A - ICAL
Last Update: 20-Dec-2013 13:22:37 Calib Date: 19-Dec-2013 16:24:48
Integrator: Falcon
Quant Method: External Standard Quant By: Initial Calibration
Last ICal File: \\Bufchrom\ChromData\HP5890-13\20131219-28281.b\13_52052.D

Column 1 : RTX-CLPI (0.32 mm) Detector: Ch-A-13A01239
Column 2 : RTX-CLPII (0.32 mm) Detector: Ch-B-13b01239
Process Host: XAWRK037

First Level Reviewer: RudzG Date: 20-Dec-2013 13:22:36

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	On-Col Amt ng/ul	Flags
1 Dalapon						
1	6.227	6.233	-0.006	605489	0.4744	
2	6.920	6.927	-0.007	570740	0.4754	
					RPD = 0.22	
$ 2 2,4-Dichlorophenylacetic acid						
1	12.460	12.473	-0.013	536943	0.4878	
2	14.247	14.253	-0.006	578681	0.4869	
					RPD = 0.18	
3 Dichlorprop						
1	13.653	13.667	-0.014	520435	0.4643	
2	15.873	15.880	-0.007	535523	0.4693	
					RPD = 1.07	
4 2,4-D						
1	13.993	14.020	-0.027	593203	0.4699	
2	16.573	16.593	-0.020	601479	0.4749	
					RPD = 1.06	
5 Pentachlorophenol						
1	14.513	14.500	0.013	4174938	0.3829	
2	17.933	17.933	0.0	5164195	0.4450	
					RPD = 15.01	
6 Silvex (2,4,5-TP)						
1	15.380	15.387	-0.007	2053487	0.4733	
2	18.707	18.713	-0.006	1989736	0.4794	
					RPD = 1.29	
7 2,4,5-T						
1	15.913	15.940	-0.027	1984967	0.4771	
2	19.520	19.533	-0.013	1901559	0.4797	
					RPD = 0.55	

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	On-Col Amt ng/ul	Flags
8 Picloram						
1	19.340	19.373	-0.033	1539529	0.4992	a
2	22.233	22.240	-0.007	1348967	0.5003	a
					RPD = 0.22	
9 Dinoseb						
1	19.620	19.627	-0.007	1435446	0.4891	
2	20.873	20.880	-0.007	1293288	0.4902	
					RPD = 0.24	

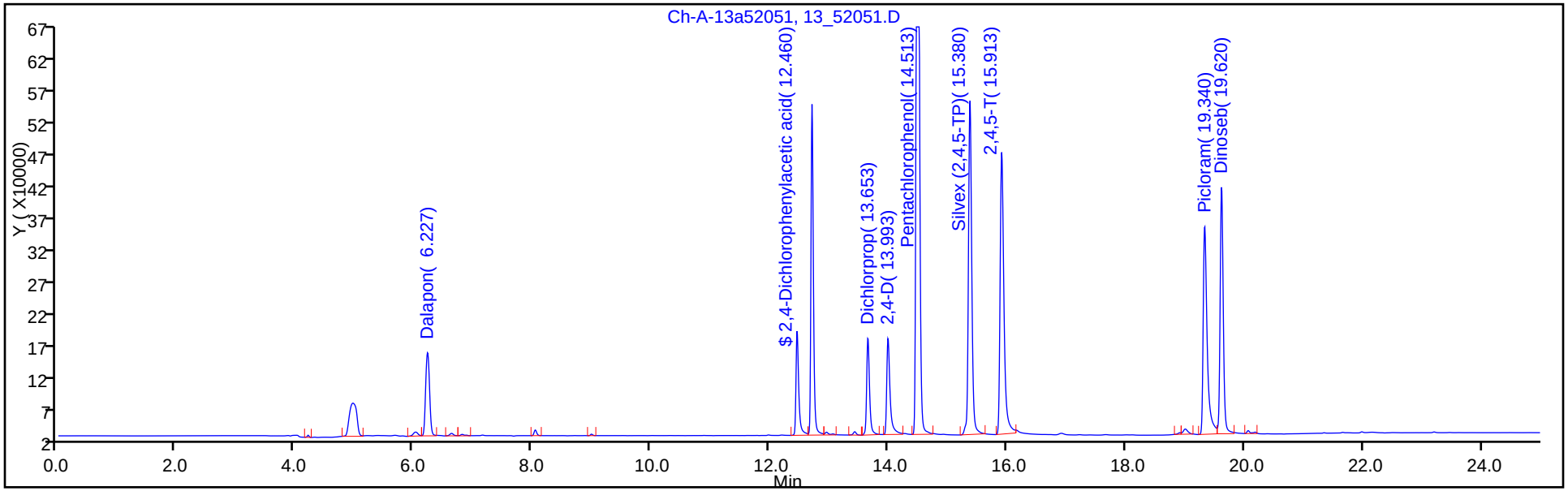
Report Date: 20-Dec-2013 13:22:37 Chrom Revision: 2.1 15-Oct-2013 07:52:24

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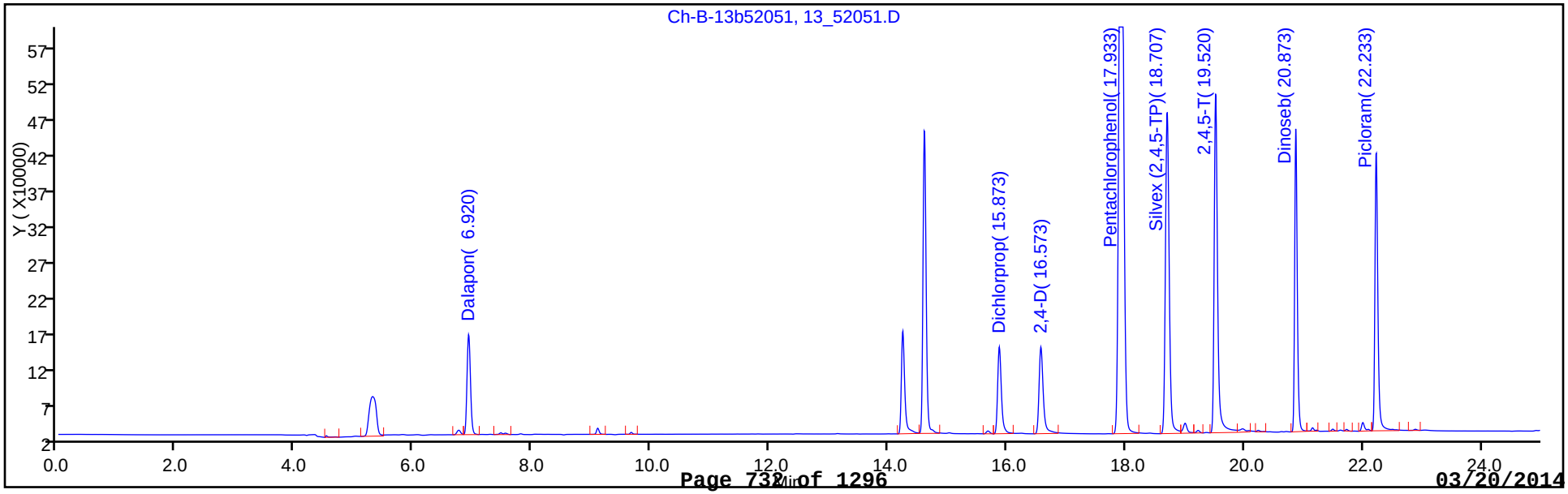
Data File: \\Bufchrom\ChromData\HP5890-13\20131219-28281.b\13_52051.D

Injection Date:	19-Dec-2013 15:55:12	Instrument ID:	HP5890-13	Operator ID:	tchrom
Lims ID:	IC 0.50	Lab Sample ID:		Worklist Smp#:	9
Client ID:					
Injection Vol:	1.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	0
Method:	8151-13	Limit Group:	GC - 8151A - ICAL		

Column: RTX-CLPI (0.32 mm) Y Scaling: Method Defined: Set to Absolute Y Value



Column: RTX-CLPII (0.32 mm) Y Scaling: Method Defined: Set to Absolute Y Value



TestAmerica Buffalo
Target Compound Quantitation Report

Data File: \\Bufchrom\ChromData\HP5890-13\20131219-28281.b\13_52052.D
Lims ID: IC 1.00 Lab Sample ID:
Client ID:
Sample Type: IC Calib Level: 7
Inject. Date: 19-Dec-2013 16:24:48 ALS Bottle#: 0 Worklist Smp#: 10
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: Name: IC 1.00
Misc. Info.: Study: 480-0028281-010 Channel B: I/F Serial#, 4087270795
Operator ID: tchrom Instrument ID: HP5890-13
Sublist: chrom-8151-13*sub1

Method: \\Bufchrom\ChromData\HP5890-13\20131219-28281.b\8151-13.m
Limit Group: GC - 8151A - ICAL
Last Update: 20-Dec-2013 13:22:43 Calib Date: 19-Dec-2013 16:24:48
Integrator: Falcon
Quant Method: External Standard Quant By: Initial Calibration
Last ICal File: \\Bufchrom\ChromData\HP5890-13\20131219-28281.b\13_52052.D

Column 1 : RTX-CLPI (0.32 mm) Detector: Ch-A-13A01239
Column 2 : RTX-CLPII (0.32 mm) Detector: Ch-B-13b01239
Process Host: XAWRK037

First Level Reviewer: RudzG Date: 20-Dec-2013 13:22:43

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	On-Col Amt ng/ul	Flags
1 Dalapon						
1	6.227	6.233	-0.006	1080552	0.8521	
2	6.920	6.927	-0.007	1033386	0.8661	
					RPD = 1.63	
$ 2 2,4-Dichlorophenylacetic acid						
1	12.460	12.473	-0.013	903371	1.00	
2	14.240	14.253	-0.013	984131	1.00	
					RPD = 0.01	
3 Dichlorprop						
1	13.653	13.667	-0.014	876376	0.7885	
2	15.873	15.880	-0.007	918069	0.8099	
					RPD = 2.68	
4 2,4-D						
1	13.993	14.020	-0.027	1014705	0.8079	
2	16.573	16.593	-0.020	1059601	0.8401	
					RPD = 3.90	
5 Pentachlorophenol						
1	14.520	14.500	0.020	5165058	0.4746	
2	17.960	17.933	0.027	6922654	0.5975	
					RPD = 22.92	
6 Silvex (2,4,5-TP)						
1	15.373	15.387	-0.014	3539604	0.8196	
2	18.707	18.713	-0.006	3487464	0.8437	
					RPD = 2.91	
7 2,4,5-T						
1	15.907	15.940	-0.033	3458920	0.8342	a
2	19.520	19.533	-0.013	3389524	0.8588	a
					RPD = 2.90	

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	On-Col Amt ng/ul	Flags
8 Picloram						
1	19.327	19.373	-0.046	2662704	1.00	a
2	22.227	22.240	-0.013	2364672	1.00	a
					RPD = 0.02	
9 Dinoseb						
1	19.620	19.627	-0.007	2402861	1.00	
2	20.873	20.880	-0.007	2195821	1.00	
					RPD = 0.05	

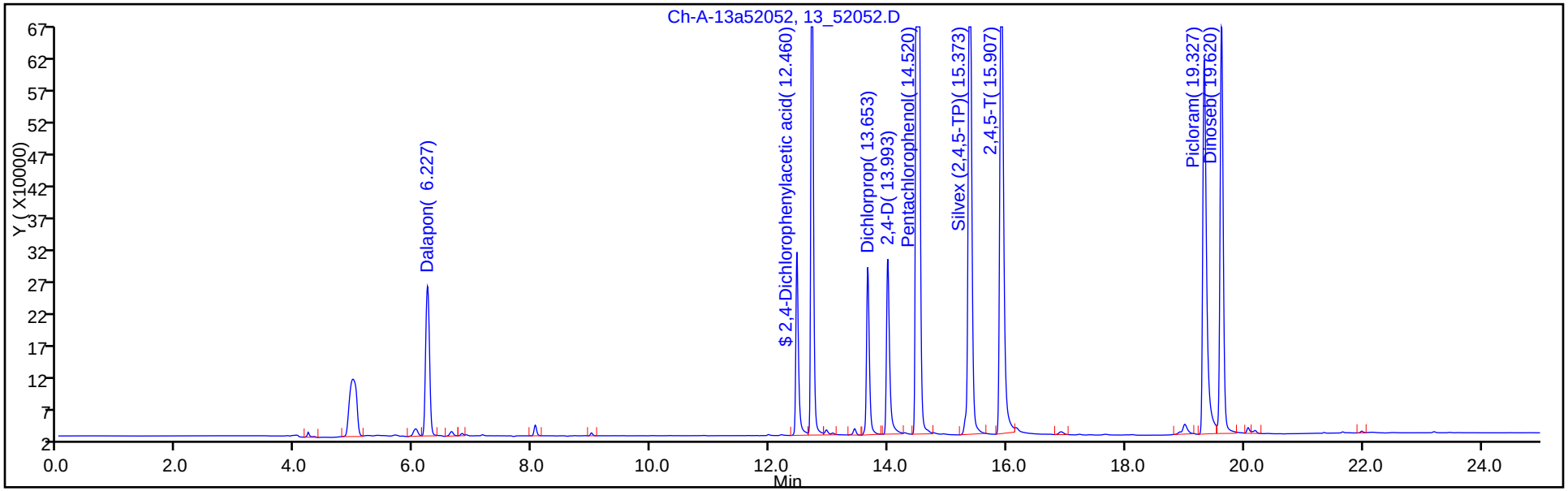
Report Date: 20-Dec-2013 13:22:43 Chrom Revision: 2.1 15-Oct-2013 07:52:24

TestAmerica Buffalo

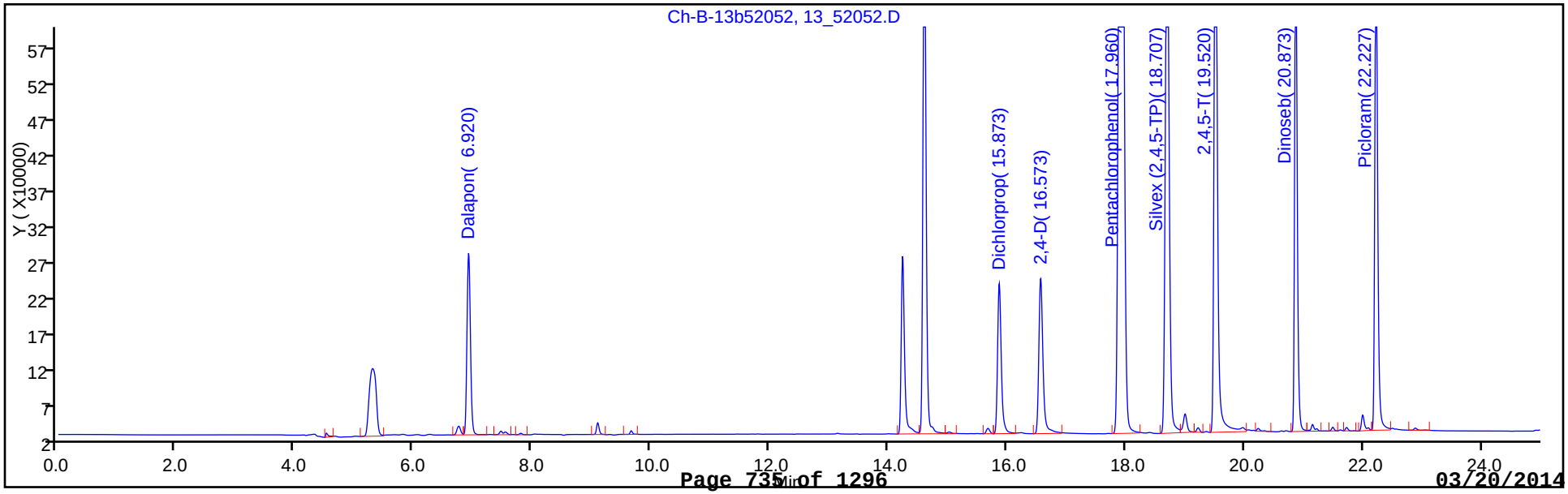
Data File: \\Bufchrom\ChromData\HP5890-13\20131219-28281.b\13_52052.D

Injection Date:	19-Dec-2013 16:24:48	Instrument ID:	HP5890-13	Operator ID:	tchrom
Lims ID:	IC 1.00	Lab Sample ID:		Worklist Smp#:	10
Client ID:					
Injection Vol:	1.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	0
Method:	8151-13	Limit Group:	GC - 8151A - ICAL		

Column: RTX-CLPI (0.32 mm) Y Scaling: Method Defined: Set to Absolute Y Value



Column: RTX-CLPII (0.32 mm) Y Scaling: Method Defined: Set to Absolute Y Value



FORM VII
HERBICIDES CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Buffalo Job No.: 480-55783-1

SDG No.:

Lab Sample ID: CCV 480-170053/13 Calibration Date: 03/14/2014 13:07

Instrument ID: HP5890-13 Calib Start Date: 12/19/2013 13:27

GC Column: RTX-CLPI ID: 0.32(mm) Calib End Date: 12/19/2013 16:24

Lab File ID: 13_56013.D Conc. Units: ng/uL

ANALYTE	CURVE TYPE	AVE CF	CF	MIN CF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Dalapon	Lin1		1428752		0.277	0.250	10.8	15.0
Dichlorprop	Lin1		1326700		0.292	0.250	17.0*	15.0
2,4-D	Lin1		1488396		0.293	0.250	17.0*	15.0
Pentachlorophenol	Lin1		11846000		0.270	0.250	8.2	15.0
Silvex (2,4,5-TP)	Lin1		5156908		0.295	0.250	18.1*	15.0
2,4,5-T	Lin1		4864284		0.291	0.250	16.3*	15.0
Picloram	Qua		3384280		0.261	0.250	4.4	15.0
Dinoseb	Qua		3800212		0.299	0.250	19.7*	15.0
2,4-Dichlorophenylacetic acid	Qua		1343360		0.281	0.250	12.4	15.0

FORM VII
HERBICIDES CONTINUING CALIBRATION RETENTION TIME SUMMARY

Lab Name: TestAmerica Buffalo Job No.: 480-55783-1

SDG No.:

Lab Sample ID: CCV 480-170053/13 Calibration Date: 03/14/2014 13:07

Instrument ID: HP5890-13 Calib Start Date: 12/19/2013 13:27

GC Column: RTX-CLPI ID: 0.32(mm) Calib End Date: 12/19/2013 16:24

Lab File ID: 13_56013.D

Analyte	RT	RT WINDOW	
		FROM	TO
Dalapon	6.13	6.10	6.16
Dichlorprop	13.56	13.53	13.59
2,4-D	13.89	13.86	13.92
Pentachlorophenol	14.38	14.35	14.41
Silvex (2,4,5-TP)	15.25	15.22	15.28
2,4,5-T	15.78	15.75	15.81
Picloram	19.21	19.18	19.24
Dinoseb	19.51	19.48	19.54
2,4-Dichlorophenylacetic acid	12.38	12.35	12.41

TestAmerica Buffalo
Target Compound Quantitation Report

Data File: \\Bufchrom\ChromData\HP5890-13\20140314-30169.b\13_56013.D
Lims ID: ccv Lab Sample ID:
Client ID:
Sample Type: CCV
Inject. Date: 14-Mar-2014 13:07:54 ALS Bottle#: 0 Worklist Smp#: 13
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info:
Operator ID: buftchrom Instrument ID: HP5890-13
Sublist: chrom-8151-13*sub1

Method: \\Bufchrom\ChromData\HP5890-13\20140314-30169.b\8151-13.m
Limit Group: GC - 8151A - ICAL
Last Update: 14-Mar-2014 13:36:59 Calib Date: 19-Dec-2013 16:24:48
Integrator: Falcon
Quant Method: External Standard Quant By: Initial Calibration
Last ICal File: \\Bufchrom\ChromData\HP5890-13\20131219-28281.b\13_52052.D

Column 1 : RTX-CLPI (0.32 mm) Det: Ch-A-13A01239
Column 2 : RTX-CLPII (0.32 mm) Det: Ch-B-13b01239
Process Host: XAWRK004

First Level Reviewer: bescod Date: 14-Mar-2014 13:36:59

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	On-Col Amt ng/ul	Flags
1 Dalapon						
1	6.127	6.127	0.0	357188	0.2770	
2	6.820	6.820	0.0	331254	0.2732	
					RPD = 1.38	
$ 2 2,4-Dichlorophenylacetic acid						
1	12.380	12.380	0.0	335840	0.2811	
2	14.133	14.133	0.0	338652	0.2610	
					RPD = 7.40	
3 Dichlorprop						
1	13.560	13.560	0.0	331675	0.2924	
2	15.740	15.740	0.0	333135	0.2892	
					RPD = 1.13	
4 2,4-D						
1	13.893	13.893	0.0	372099	0.2926	
2	16.427	16.427	0.0	378277	0.2970	
					RPD = 1.50	
5 Pentachlorophenol						
1	14.380	14.380	0.0	2961500	0.2704	E
2	17.753	17.753	0.0	3056257	0.2622	E
					RPD = 3.09	
6 Silvex (2,4,5-TP)						
1	15.253	15.253	0.0	1289227	0.2952	
2	18.553	18.553	0.0	1265246	0.3032	
					RPD = 2.67	
7 2,4,5-T						
1	15.780	15.780	0.0	1216071	0.2908	
2	19.407	19.407	0.0	1191846	0.2989	
					RPD = 2.75	

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	On-Col Amt ng/ul	Flags
8 Picloram						
1	19.213	19.213	0.0	846070	0.2611	
2	22.133	22.133	0.0	766456	0.2715	
					RPD = 3.90	
9 Dinoseb						
1	19.507	19.507	0.0	950053	0.2992	
2	20.787	20.787	0.0	834221	0.2934	
					RPD = 1.97	

QC Flag Legend

Processing Flags
E - Exceeded Maximum Amount

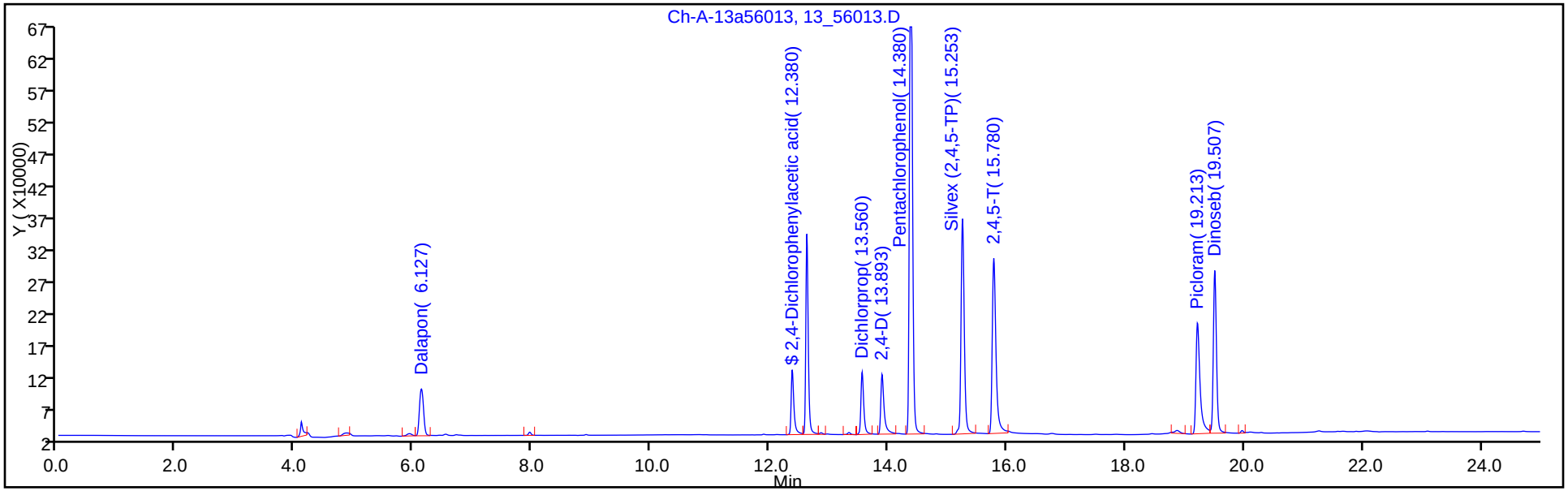
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TestAmerica Buffalo

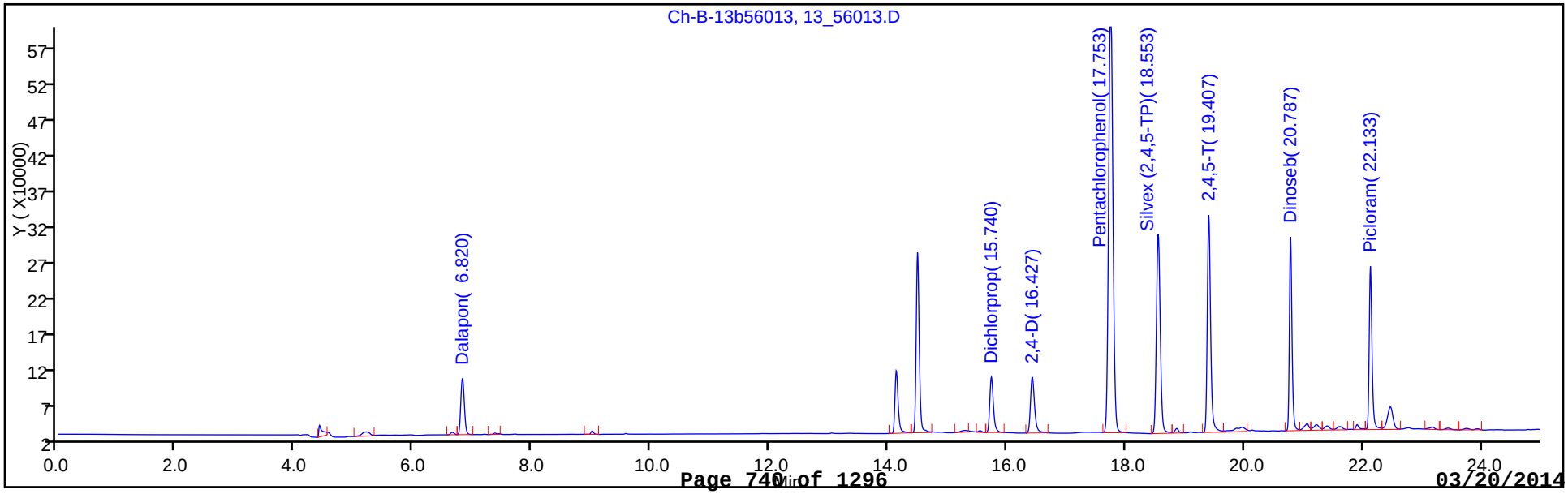
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Injection Date:	14-Mar-2014 13:07:54	Instrument ID:	HP5890-13	Operator ID:	buftchrom
Lims ID:	ccv	Lab Sample ID:		Worklist Smp#:	13
Client ID:					
Injection Vol:	1.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	0
Method:	8151-13	Limit Group:	GC - 8151A - ICAL		

Column: RTX-CLPI (0.32 mm) Y Scaling: Method Defined: Set to Absolute Y Value



Column: RTX-CLPII (0.32 mm) Y Scaling: Method Defined: Set to Absolute Y Value



FORM VII
HERBICIDES CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Buffalo Job No.: 480-55783-1

SDG No.:

Lab Sample ID: CCV 480-170053/23 Calibration Date: 03/14/2014 18:04

Instrument ID: HP5890-13 Calib Start Date: 12/19/2013 13:27

GC Column: RTX-CLPI ID: 0.32(mm) Calib End Date: 12/19/2013 16:24

Lab File ID: 13_56023.D Conc. Units: ng/uL

ANALYTE	CURVE TYPE	AVE CF	CF	MIN CF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Dalapon	Lin1		1427220		0.277	0.250	10.7	15.0
Dichlorprop	Lin1		1292496		0.285	0.250	13.9	15.0
2,4-D	Lin1		1435964		0.282	0.250	12.8	15.0
Pentachlorophenol	Lin1		11562036		0.264	0.250	5.5	15.0
Silvex (2,4,5-TP)	Lin1		4998368		0.286	0.250	14.4	15.0
2,4,5-T	Lin1		4684448		0.280	0.250	12.0	15.0
Picloram	Qua		3106320		0.239	0.250	-4.4	15.0
Dinoseb	Qua		3644904		0.285	0.250	14.0	15.0
2,4-Dichlorophenylacetic acid	Qua		1311336		0.273	0.250	9.4	15.0

FORM VII
HERBICIDES CONTINUING CALIBRATION RETENTION TIME SUMMARY

Lab Name: TestAmerica Buffalo Job No.: 480-55783-1

SDG No.:

Lab Sample ID: CCV 480-170053/23 Calibration Date: 03/14/2014 18:04

Instrument ID: HP5890-13 Calib Start Date: 12/19/2013 13:27

GC Column: RTX-CLPI ID: 0.32(mm) Calib End Date: 12/19/2013 16:24

Lab File ID: 13_56023.D

Analyte	RT	RT WINDOW	
		FROM	TO
Dalapon	6.13	6.10	6.16
Dichlorprop	13.56	13.53	13.59
2,4-D	13.89	13.86	13.92
Pentachlorophenol	14.38	14.35	14.41
Silvex (2,4,5-TP)	15.25	15.22	15.28
2,4,5-T	15.78	15.75	15.81
Picloram	19.21	19.18	19.24
Dinoseb	19.51	19.48	19.54
2,4-Dichlorophenylacetic acid	12.38	12.35	12.41

TestAmerica Buffalo
Target Compound Quantitation Report

Data File: \\Bufchrom\ChromData\HP5890-13\20140314-30169.b\13_56023.D
Lims ID: ccv Lab Sample ID:
Client ID:
Sample Type: CCV
Inject. Date: 14-Mar-2014 18:04:48 ALS Bottle#: 0 Worklist Smp#: 23
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info:
Operator ID: buftchrom Instrument ID: HP5890-13
Sublist: chrom-8151-13*sub1

Method: \\Bufchrom\ChromData\HP5890-13\20140314-30169.b\8151-13.m
Limit Group: GC - 8151A - ICAL
Last Update: 17-Mar-2014 15:18:55 Calib Date: 19-Dec-2013 16:24:48
Integrator: Falcon
Quant Method: External Standard Quant By: Initial Calibration
Last ICal File: \\Bufchrom\ChromData\HP5890-13\20131219-28281.b\13_52052.D

Column 1 : RTX-CLPI (0.32 mm) Det: Ch-A-13A01239
Column 2 : RTX-CLPII (0.32 mm) Det: Ch-B-13b01239
Process Host: XAWRK035

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	On-Col Amt ng/ul	Flags
1 Dalapon						
1	6.127	6.127	0.0	356805	0.2767	
2	6.820	6.820	0.0	330571	0.2726	
					RPD = 1.48	
$ 2 2,4-Dichlorophenylacetic acid						
1	12.380	12.380	0.0	327834	0.2735	
2	14.133	14.133	0.0	333363	0.2564	
					RPD = 6.43	
3 Dichlorprop						
1	13.560	13.560	0.0	323124	0.2846	
2	15.733	15.733	0.0	325967	0.2828	
					RPD = 0.66	
4 2,4-D						
1	13.893	13.893	0.0	358991	0.2821	
2	16.427	16.427	0.0	364765	0.2862	
					RPD = 1.47	
5 Pentachlorophenol						
1	14.380	14.380	0.0	2890509	0.2638	E
2	17.747	17.747	0.0	2996178	0.2569	E
					RPD = 2.63	
6 Silvex (2,4,5-TP)						
1	15.253	15.253	0.0	1249592	0.2860	
2	18.547	18.547	0.0	1235047	0.2958	
					RPD = 3.40	
7 2,4,5-T						
1	15.780	15.780	0.0	1171112	0.2799	
2	19.400	19.400	0.0	1108259	0.2776	
					RPD = 0.82	

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	On-Col Amt ng/ul	Flags
8 Picloram						
1	19.213	19.213	0.0	776580	0.2390	
2	22.133	22.133	0.0	696866	0.2459	
					RPD = 2.85	
9 Dinoseb						
1	19.507	19.507	0.0	911226	0.2851	
2	20.780	20.780	0.0	793655	0.2772	
					RPD = 2.82	

QC Flag Legend

Processing Flags
E - Exceeded Maximum Amount

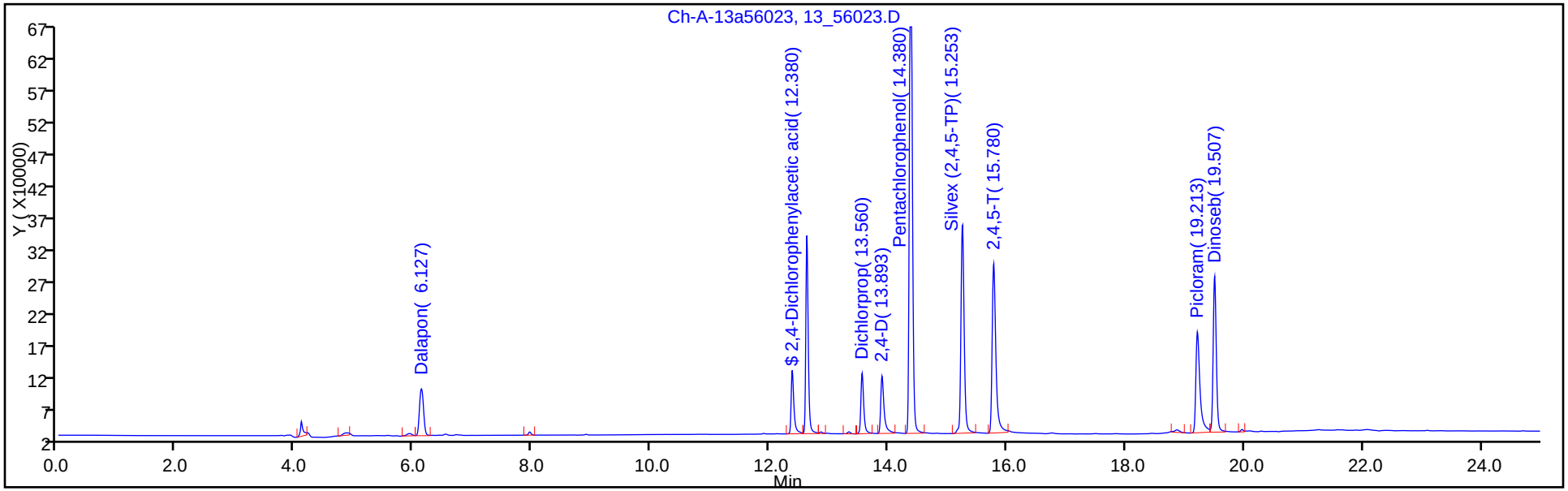
Report Date: 17-Mar-2014 15:18:55 Chrom Revision: 2.1 17-Feb-2014 09:05:58

TestAmerica Buffalo

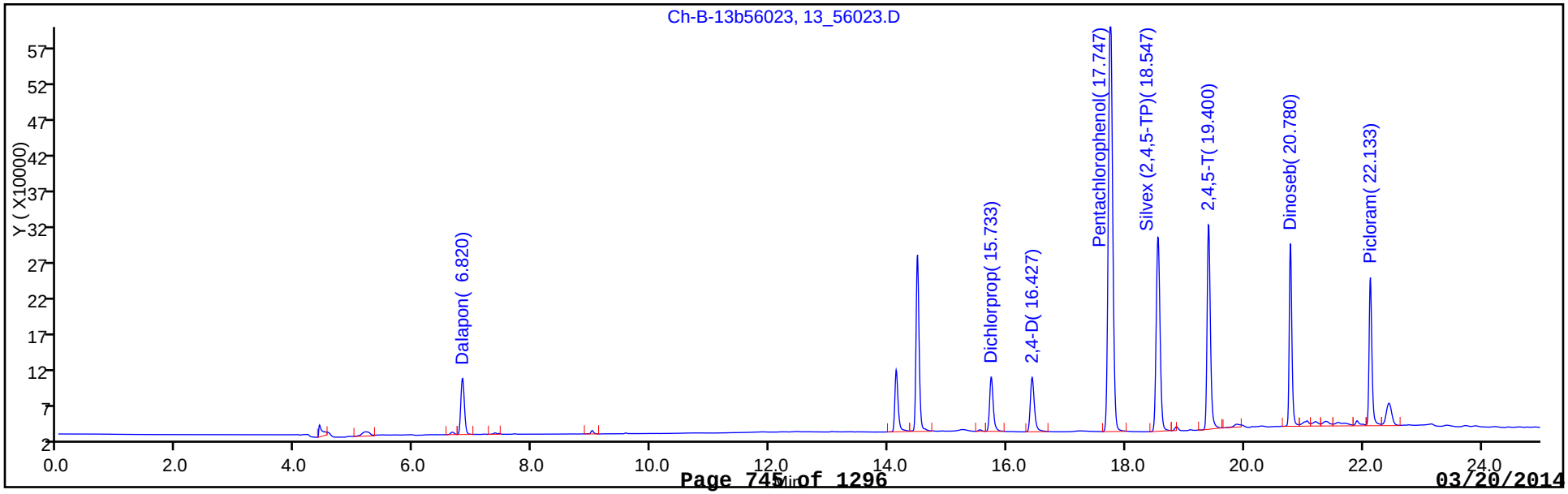
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Injection Date:	14-Mar-2014 18:04:48	Instrument ID:	HP5890-13	Operator ID:	buftchrom
Lims ID:	ccv	Lab Sample ID:		Worklist Smp#:	23
Client ID:					
Injection Vol:	1.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	0
Method:	8151-13	Limit Group:	GC - 8151A - ICAL		

Column: RTX-CLPI (0.32 mm) Y Scaling: Method Defined: Set to Absolute Y Value



Column: RTX-CLPII (0.32 mm) Y Scaling: Method Defined: Set to Absolute Y Value



FORM VII
HERBICIDES CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Buffalo Job No.: 480-55783-1

SDG No.:

Lab Sample ID: CCV 480-170053/27 Calibration Date: 03/14/2014 20:03

Instrument ID: HP5890-13 Calib Start Date: 12/19/2013 13:27

GC Column: RTX-CLPI ID: 0.32(mm) Calib End Date: 12/19/2013 16:24

Lab File ID: 13_56027.D Conc. Units: ng/uL

ANALYTE	CURVE TYPE	AVE CF	CF	MIN CF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Dalapon	Lin1		1441116		0.279	0.250	11.8	15.0
Dichlorprop	Lin1		1332104		0.294	0.250	17.5*	15.0
2,4-D	Lin1		1493716		0.294	0.250	17.5*	15.0
Pentachlorophenol	Lin1		11956188		0.273	0.250	9.2	15.0
Silvex (2,4,5-TP)	Lin1		5198084		0.298	0.250	19.0*	15.0
2,4,5-T	Lin1		4921296		0.294	0.250	17.7*	15.0
Picloram	Qua		3356644		0.259	0.250	3.6	15.0
Dinoseb	Qua		3809656		0.300	0.250	20.0*	15.0
2,4-Dichlorophenylacetic acid	Qua		1352080		0.283	0.250	13.3	15.0

FORM VII
HERBICIDES CONTINUING CALIBRATION RETENTION TIME SUMMARY

Lab Name: TestAmerica Buffalo Job No.: 480-55783-1

SDG No.:

Lab Sample ID: CCV 480-170053/27 Calibration Date: 03/14/2014 20:03

Instrument ID: HP5890-13 Calib Start Date: 12/19/2013 13:27

GC Column: RTX-CLPI ID: 0.32(mm) Calib End Date: 12/19/2013 16:24

Lab File ID: 13_56027.D

Analyte	RT	RT WINDOW	
		FROM	TO
Dalapon	6.12	6.09	6.15
Dichlorprop	13.55	13.52	13.58
2,4-D	13.89	13.86	13.92
Pentachlorophenol	14.38	14.35	14.41
Silvex (2,4,5-TP)	15.25	15.22	15.28
2,4,5-T	15.77	15.74	15.80
Picloram	19.21	19.18	19.24
Dinoseb	19.51	19.48	19.54
2,4-Dichlorophenylacetic acid	12.38	12.35	12.41

TestAmerica Buffalo
Target Compound Quantitation Report

Data File: \\Bufchrom\ChromData\HP5890-13\20140314-30169.b\13_56027.D
Lims ID: ccv Lab Sample ID:
Client ID:
Sample Type: CCV
Inject. Date: 14-Mar-2014 20:03:27 ALS Bottle#: 0 Worklist Smp#: 27
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info:
Operator ID: buftchrom Instrument ID: HP5890-13
Sublist: chrom-8151-13*sub1

Method: \\Bufchrom\ChromData\HP5890-13\20140314-30169.b\8151-13.m
Limit Group: GC - 8151A - ICAL
Last Update: 17-Mar-2014 15:19:18 Calib Date: 19-Dec-2013 16:24:48
Integrator: Falcon
Quant Method: External Standard Quant By: Initial Calibration
Last ICal File: \\Bufchrom\ChromData\HP5890-13\20131219-28281.b\13_52052.D

Column 1 : RTX-CLPI (0.32 mm) Det: Ch-A-13A01239
Column 2 : RTX-CLPII (0.32 mm) Det: Ch-B-13b01239
Process Host: XAWRK035

First Level Reviewer: RudzG Date: 17-Mar-2014 15:18:46

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	On-Col Amt ng/ul	Flags
1 Dalapon						
1	6.120	6.120	0.0	360279	0.2795	
2	6.813	6.813	0.0	334906	0.2763	
					RPD = 1.14	
$ 2 2,4-Dichlorophenylacetic acid						
1	12.380	12.380	0.0	338020	0.2832	
2	14.133	14.133	0.0	344609	0.2662	
					RPD = 6.16	
3 Dichlorprop						
1	13.553	13.553	0.0	333026	0.2937	
2	15.733	15.733	0.0	339875	0.2952	
					RPD = 0.51	
4 2,4-D						
1	13.893	13.893	0.0	373429	0.2936	
2	16.427	16.427	0.0	382201	0.3001	
					RPD = 2.19	
5 Pentachlorophenol						
1	14.380	14.380	0.0	2989047	0.2729	E
2	17.747	17.747	0.0	3111945	0.2670	E
					RPD = 2.20	
6 Silvex (2,4,5-TP)						
1	15.247	15.247	0.0	1299521	0.2976	
2	18.553	18.553	0.0	1292602	0.3098	
					RPD = 4.03	
7 2,4,5-T						
1	15.773	15.773	0.0	1230324	0.2943	
2	19.407	19.407	0.0	1175391	0.2947	
					RPD = 0.16	

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	On-Col Amt ng/ul	Flags
8 Picloram						
1	19.213	19.213	0.0	839161	0.2589	
2	22.133	22.133	0.0	747830	0.2646	
					RPD = 2.19	
9 Dinoseb						
1	19.507	19.507	0.0	952414	0.3001	
2	20.787	20.787	0.0	830220	0.2918	
					RPD = 2.80	

QC Flag Legend

Processing Flags
E - Exceeded Maximum Amount

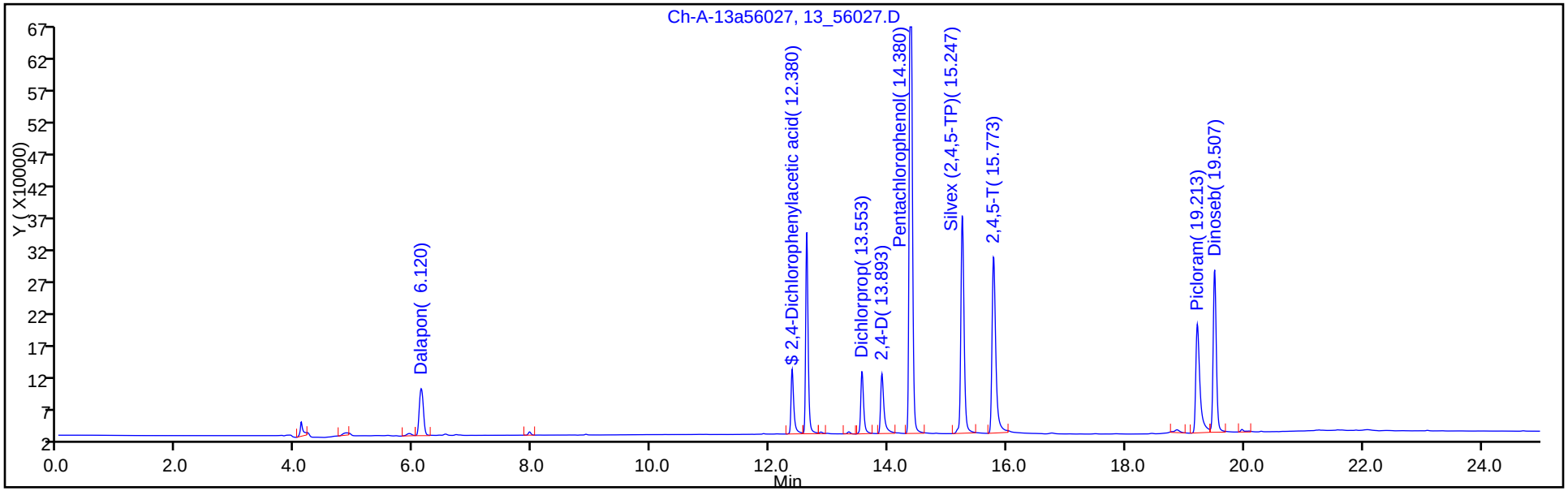
Report Date: 17-Mar-2014 15:19:18 Chrom Revision: 2.1 17-Feb-2014 09:05:58

TestAmerica Buffalo

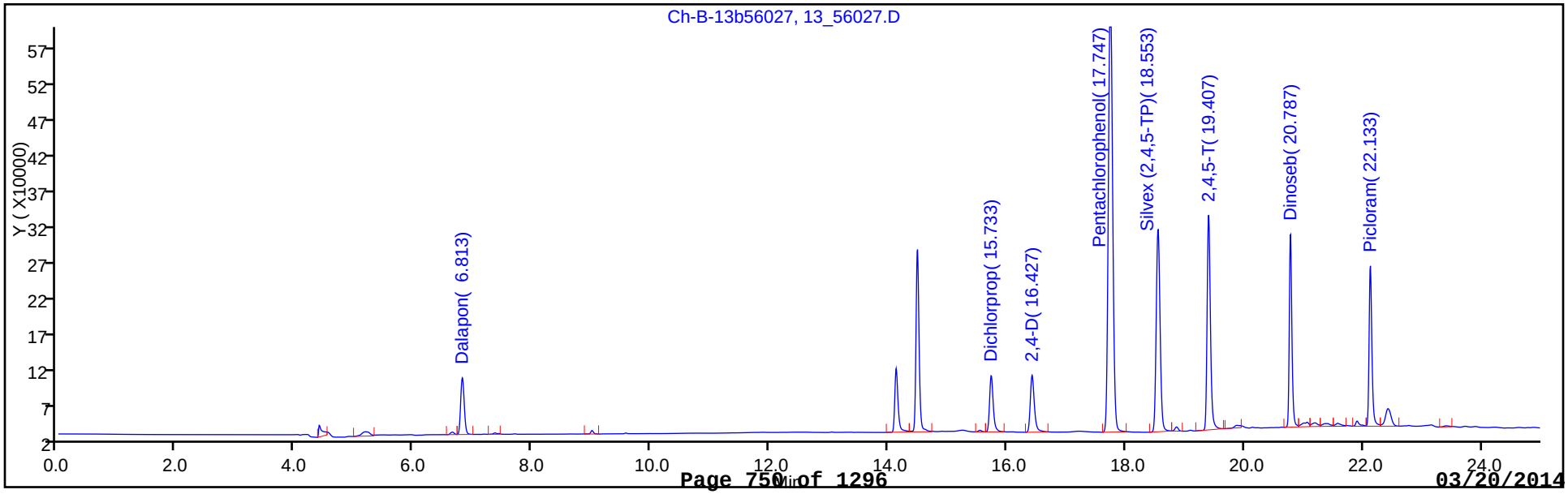
Data File: \\Bufchrom\ChromData\HP5890-13\20140314-30169.b\13_56027.D

Injection Date:	14-Mar-2014 20:03:27	Instrument ID:	HP5890-13	Operator ID:	buftchrom
Lims ID:	ccv	Lab Sample ID:		Worklist Smp#:	27
Client ID:					
Injection Vol:	1.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	0
Method:	8151-13	Limit Group:	GC - 8151A - ICAL		

Column: RTX-CLPI (0.32 mm) Y Scaling: Method Defined: Set to Absolute Y Value



Column: RTX-CLPII (0.32 mm) Y Scaling: Method Defined: Set to Absolute Y Value



FORM I
HERBICIDES ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Buffalo | Job No.: 480-55783-1

SDG No.:

Client Sample ID: | Lab Sample ID: MB 480-169808/1-A

Matrix: Water | Lab File ID: 13_56014.D

Analysis Method: 8151A | Date Collected:

Extraction Method: 8151A | Date Extracted: 03/13/2014 05:49

Sample wt/vol: 1000(mL) | Date Analyzed: 03/14/2014 13:37

Con. Extract Vol.: 10(mL) | Dilution Factor: 1

Injection Volume: 1(uL) | GC Column: RTX-CLPI ID: 0.32(mm)

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

Analysis Batch No.: 170053 | Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
94-75-7	2,4-D	ND		0.50	0.40
93-72-1	Silvex (2,4,5-TP)	ND		0.50	0.36

CAS NO.	SURROGATE	%REC	Q	LIMITS
19719-28-9	2,4-Dichlorophenylacetic acid	100		40-135

TestAmerica Buffalo
Target Compound Quantitation Report

Data File: \\Bufchrom\ChromData\HP5890-13\20140314-30169.b\13_56014.D
Lims ID: MB 480-169808/1-A Lab Sample ID: MB 480-169808/1-A
Client ID:
Sample Type: MB
Inject. Date: 14-Mar-2014 13:37:38 ALS Bottle#: 0 Worklist Smp#: 14
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info:
Operator ID: buftchrom Instrument ID: HP5890-13

Method: \\Bufchrom\ChromData\HP5890-13\20140314-30169.b\8151-13.m
Limit Group: GC - 8151A - ICAL
Last Update: 17-Mar-2014 15:18:46 Calib Date: 19-Dec-2013 16:24:48
Integrator: Falcon
Quant Method: External Standard Quant By: Initial Calibration
Last ICal File: \\Bufchrom\ChromData\HP5890-13\20131219-28281.b\13_52052.D

Column 1 : RTX-CLPI (0.32 mm) Det: Ch-A-13A01239
Column 2 : RTX-CLPII (0.32 mm) Det: Ch-B-13b01239
Process Host: XAWRK035

First Level Reviewer: bescod Date: 14-Mar-2014 14:08:44

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	On-Col Amt ng/ul	Flags
$ 2 2,4-Dichlorophenylacetic acid						M
1	12.373	12.380	-0.007	549650	0.5020	M
2	14.127	14.133	-0.006	563053	0.4710	M
					RPD = 6.37	

QC Flag Legend

Review Flags
M - Manually Integrated

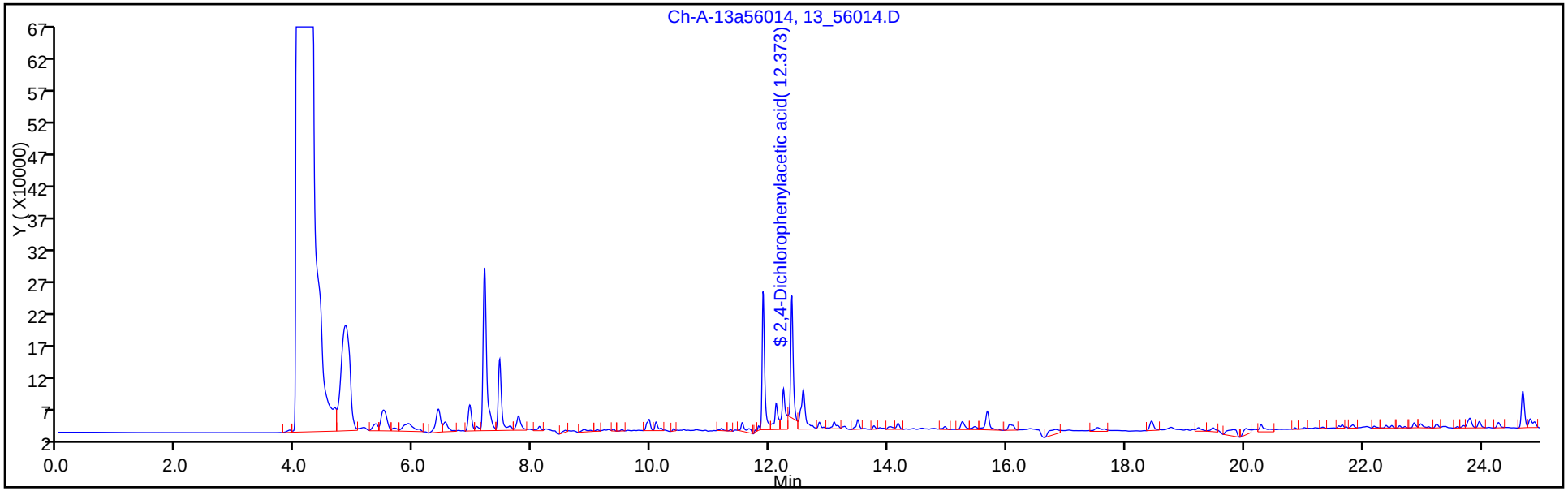
Report Date: 17-Mar-2014 15:18:47 Chrom Revision: 2.1 17-Feb-2014 09:05:58

TestAmerica Buffalo

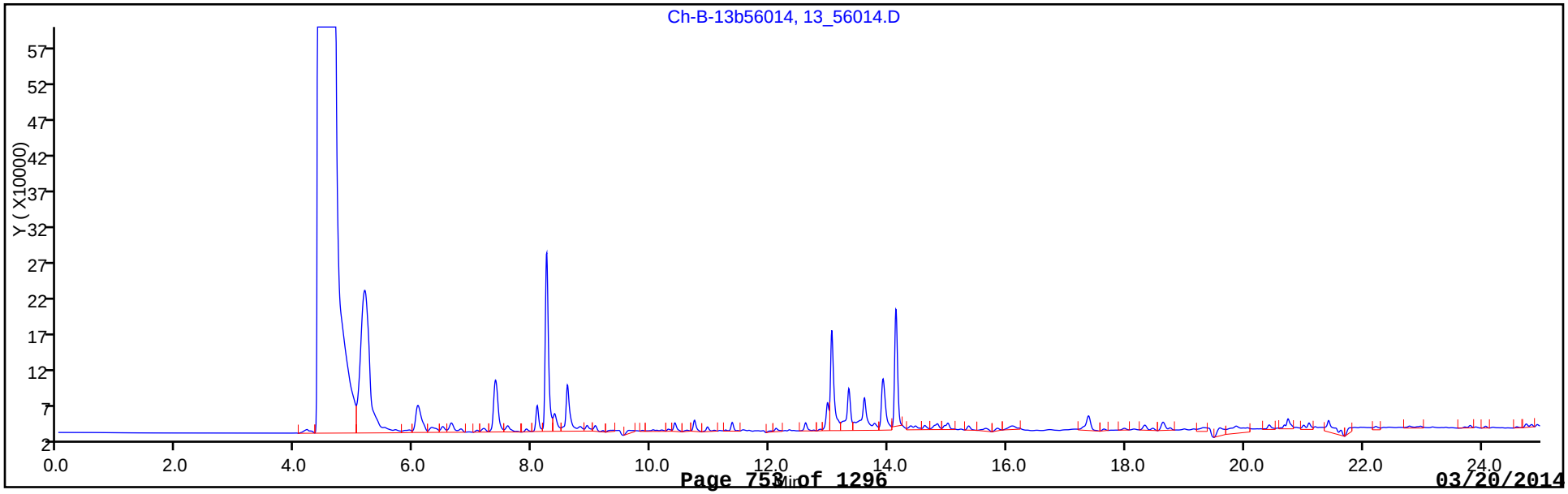
Data File: \\Bufchrom\ChromData\HP5890-13\20140314-30169.b\13_56014.D

Injection Date:	14-Mar-2014 13:37:38	Instrument ID:	HP5890-13	Operator ID:	buftchrom
Lims ID:	MB 480-169808/1-A	Lab Sample ID:	MB 480-169808/1-A	Worklist Smp#:	14
Client ID:					
Injection Vol:	1.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	0
Method:	8151-13	Limit Group:	GC - 8151A - ICAL		

Column: RTX-CLPI (0.32 mm) Y Scaling: Method Defined: Set to Absolute Y Value



Column: RTX-CLPII (0.32 mm) Y Scaling: Method Defined: Set to Absolute Y Value



Manual Integration/User Assign Peak Report

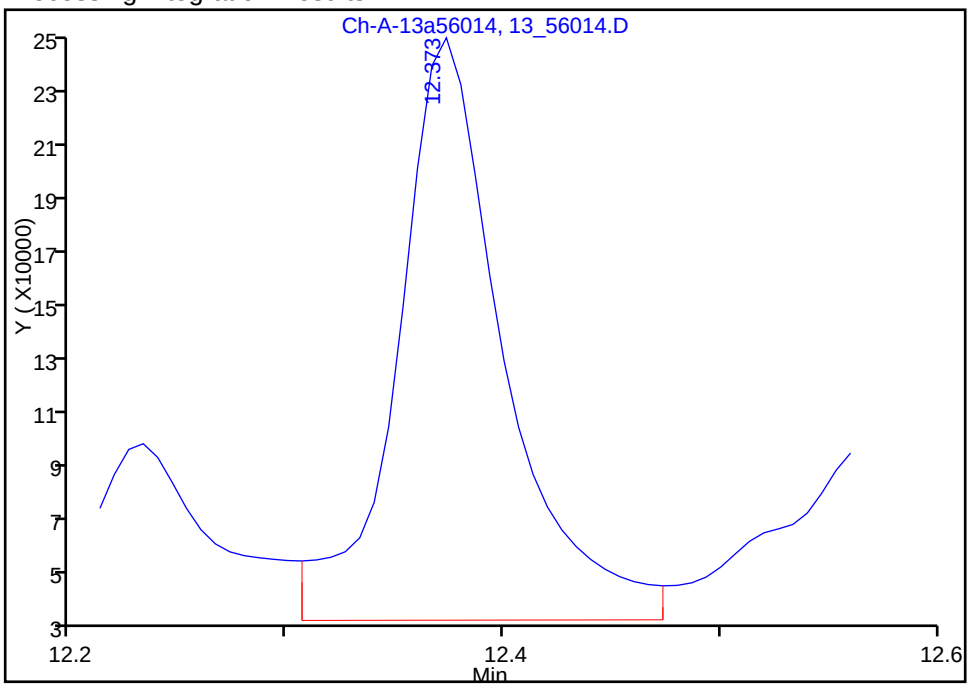
TestAmerica Buffalo

Data File:	\\Bufchrom\ChromData\HP5890-13\20140314-30169.b\13_56014.D				
Injection Date:	14-Mar-2014 13:37:38	Instrument ID:	HP5890-13		
Lims ID:	MB 480-169808/1-A	Lab Sample ID:	MB 480-169808/1-A		
Client ID:					
Operator ID:	buftchrom	ALS Bottle#:	0	Worklist Smp#:	14
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	8151-13	Limit Group:	GC - 8151A - ICAL		
Column:	RTX-CLPI (0.32 mm)	Detector	Ch-A-13A01239		

$ 2 2,4-Dichlorophenylacetic acid, CAS: 19719-28-9

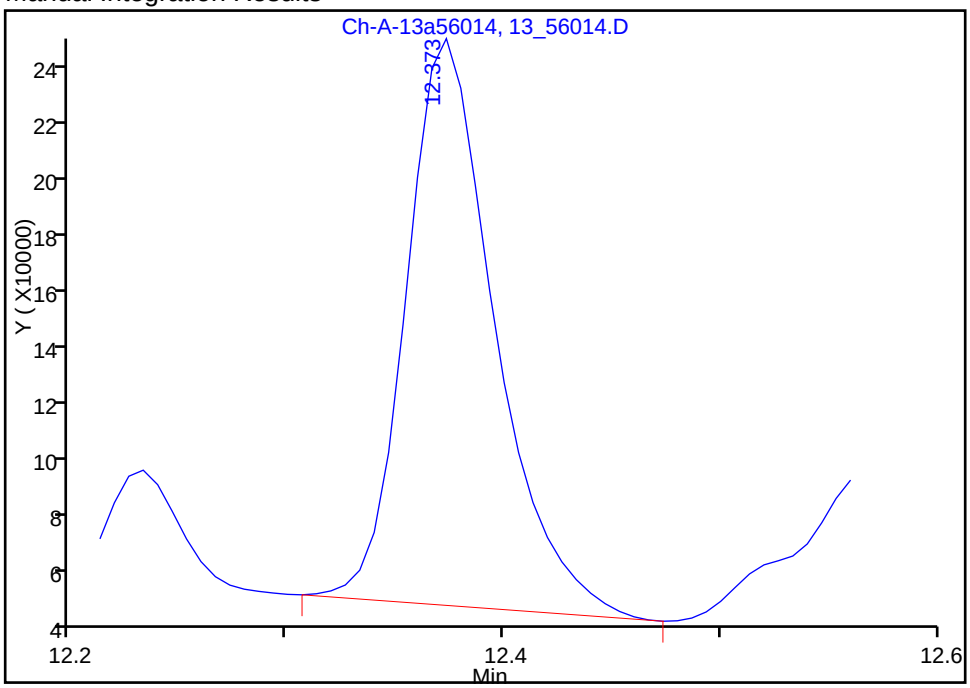
Processing Integration Results

RT: 12.37
Response: 718855
Amount: 0.710492



Manual Integration Results

RT: 12.37
Response: 549650
Amount: 0.502017



Reviewer: bescod, 14-Mar-2014 14:08:44
Audit Action: Manually Integrated
Audit Reason: Baseline Smoothing

FORM I
HERBICIDES ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Buffalo | Job No.: 480-55783-1

SDG No.:

Client Sample ID: | Lab Sample ID: LCS 480-169808/2-A

Matrix: Water | Lab File ID: 13_56015.D

Analysis Method: 8151A | Date Collected:

Extraction Method: 8151A | Date Extracted: 03/13/2014 05:49

Sample wt/vol: 1000(mL) | Date Analyzed: 03/14/2014 14:07

Con. Extract Vol.: 10(mL) | Dilution Factor: 1

Injection Volume: 1(uL) | GC Column: RTX-CLPI ID: 0.32(mm)

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

Analysis Batch No.: 170053 | Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
94-75-7	2,4-D	2.21		0.50	0.40
93-72-1	Silvex (2,4,5-TP)	2.48		0.50	0.36

CAS NO.	SURROGATE	%REC	Q	LIMITS
19719-28-9	2,4-Dichlorophenylacetic acid	120		40-135

TestAmerica Buffalo
Target Compound Quantitation Report

Data File: \\Bufchrom\ChromData\HP5890-13\20140314-30169.b\13_56015.D
Lims ID: LCS 480-169808/2-A Lab Sample ID: LCS 480-169808/2-A
Client ID:
Sample Type: LCS
Inject. Date: 14-Mar-2014 14:07:19 ALS Bottle#: 0 Worklist Smp#: 15
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info:
Operator ID: buftchrom Instrument ID: HP5890-13

Method: \\Bufchrom\ChromData\HP5890-13\20140314-30169.b\8151-13.m
Limit Group: GC - 8151A - ICAL
Last Update: 17-Mar-2014 15:18:46 Calib Date: 19-Dec-2013 16:24:48
Integrator: Falcon
Quant Method: External Standard Quant By: Initial Calibration
Last ICal File: \\Bufchrom\ChromData\HP5890-13\20131219-28281.b\13_52052.D

Column 1 : RTX-CLPI (0.32 mm) Det: Ch-A-13A01239
Column 2 : RTX-CLPII (0.32 mm) Det: Ch-B-13b01239
Process Host: XAWRK035

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	On-Col Amt ng/ul	Flags
1 Dalapon						
1	6.120	6.127	-0.007	315709	0.2440	
2	6.813	6.820	-0.007	285374	0.2345	
					RPD = 4.00	
$ 2 2,4-Dichlorophenylacetic acid						
1	12.373	12.380	-0.007	634754	0.6020	
2	14.127	14.133	-0.006	634894	0.5457	
					RPD = 9.81	
3 Dichlorprop						
1	13.553	13.560	-0.007	291165	0.2555	
2	15.733	15.740	-0.007	298942	0.2587	
					RPD = 1.24	
4 2,4-D						
1	13.887	13.893	-0.006	282620	0.2208	
2	16.427	16.427	0.0	319119	0.2499	
					RPD = 12.33	
5 Pentachlorophenol						
1	14.380	14.380	0.0	2338031	0.2126	
2	17.753	17.753	0.0	2453573	0.2099	
					RPD = 1.28	
6 Silvex (2,4,5-TP)						
1	15.247	15.253	-0.006	1087371	0.2482	
2	18.553	18.553	0.0	1091244	0.2609	
					RPD = 4.99	
7 2,4,5-T						
1	15.773	15.780	-0.007	1054029	0.2515	
2	19.400	19.407	-0.007	968469	0.2420	
					RPD = 3.86	
8 Picloram						
1	19.207	19.213	-0.006	866271	0.2676	
2	22.133	22.133	0.0	793045	0.2813	
					RPD = 5.02	

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	On-Col Amt ng/ul	Flags
9 Dinoseb						
1	19.507	19.507	0.0	705475	0.2126	
2	20.787	20.787	0.0	746206	0.2585	
					RPD = 19.49	

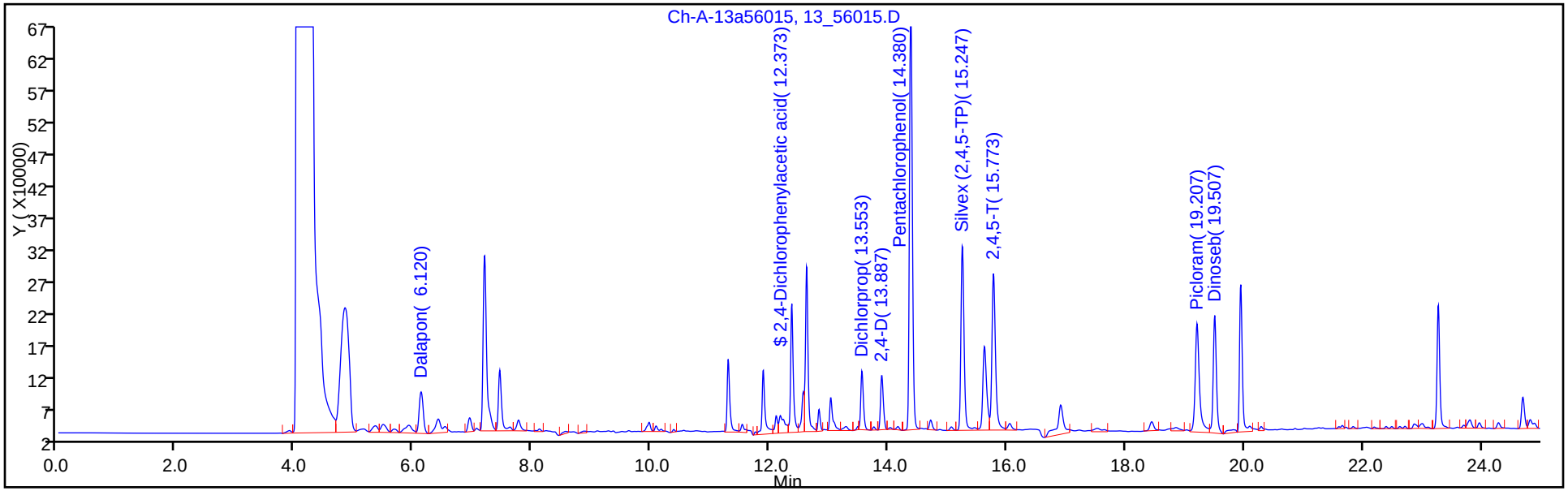
Report Date: 17-Mar-2014 15:18:48 Chrom Revision: 2.1 17-Feb-2014 09:05:58

TestAmerica Buffalo

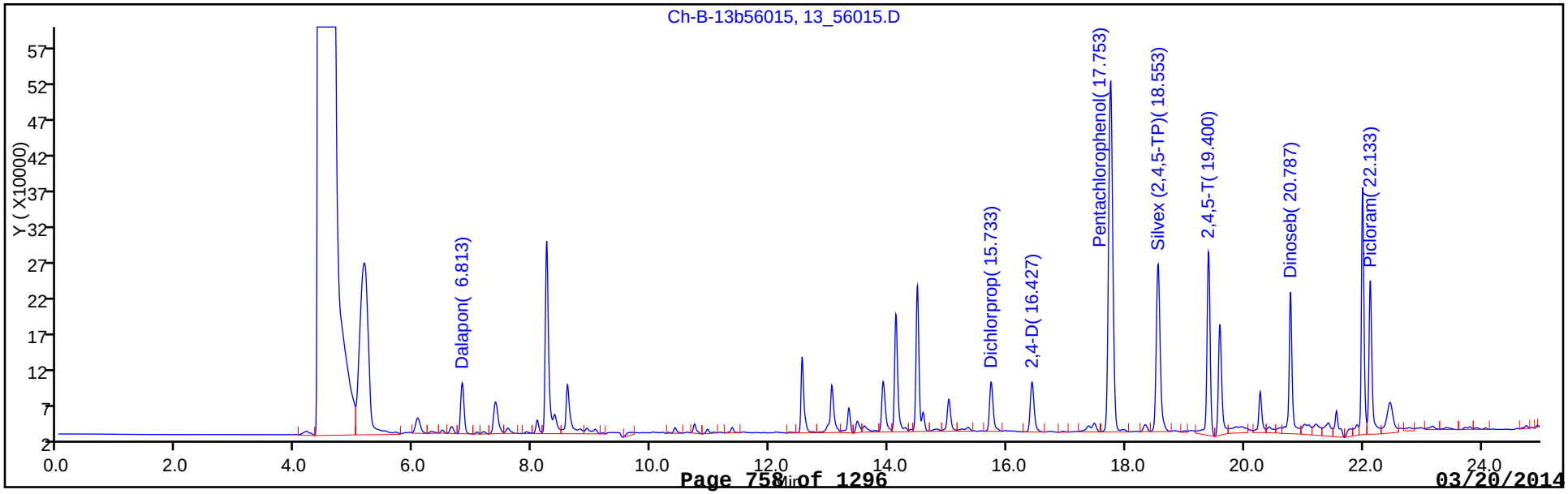
Data File: \\Bufchrom\ChromData\HP5890-13\20140314-30169.b\13_56015.D

Injection Date:	14-Mar-2014 14:07:19	Instrument ID:	HP5890-13	Operator ID:	buftchrom
Lims ID:	LCS 480-169808/2-A	Lab Sample ID:	LCS 480-169808/2-A	Worklist Smp#:	15
Client ID:					
Injection Vol:	1.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	0
Method:	8151-13	Limit Group:	GC - 8151A - ICAL		

Column: RTX-CLPI (0.32 mm) Y Scaling: Method Defined: Set to Absolute Y Value



Column: RTX-CLPII (0.32 mm) Y Scaling: Method Defined: Set to Absolute Y Value



HERBICIDES ANALYSIS RUN LOG

Lab Name: TestAmerica Buffalo Job No.: 480-55783-1

SDG No.:

Instrument ID: HP5890-13 Start Date: 12/19/2013 13:27

Analysis Batch Number: 158530 End Date: 12/20/2013 18:59

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
IC 480-158530/4		12/19/2013 13:27	1	13_52046.D	RTX-CLPI 0.32(mm)
IC 480-158530/4		12/19/2013 13:27	1		RTX-CLPII 0.32(mm)
IC 480-158530/5		12/19/2013 13:56	1	13_52047.D	RTX-CLPI 0.32(mm)
IC 480-158530/5		12/19/2013 13:56	1		RTX-CLPII 0.32(mm)
IC 480-158530/6		12/19/2013 14:26	1	13_52048.D	RTX-CLPI 0.32(mm)
IC 480-158530/6		12/19/2013 14:26	1		RTX-CLPII 0.32(mm)
IC 480-158530/7		12/19/2013 14:56	1	13_52049.D	RTX-CLPI 0.32(mm)
IC 480-158530/7		12/19/2013 14:56	1		RTX-CLPII 0.32(mm)
IC 480-158530/8		12/19/2013 15:25	1	13_52050.D	RTX-CLPI 0.32(mm)
IC 480-158530/8		12/19/2013 15:25	1		RTX-CLPII 0.32(mm)
IC 480-158530/9		12/19/2013 15:55	1	13_52051.D	RTX-CLPI 0.32(mm)
IC 480-158530/9		12/19/2013 15:55	1		RTX-CLPII 0.32(mm)
IC 480-158530/10		12/19/2013 16:24	1	13_52052.D	RTX-CLPI 0.32(mm)
IC 480-158530/10		12/19/2013 16:24	1		RTX-CLPII 0.32(mm)
ICV 480-158530/11		12/19/2013 16:54	1		RTX-CLPI 0.32(mm)
ICV 480-158530/11		12/19/2013 16:54	1		RTX-CLPII 0.32(mm)
CCV 480-158530/12		12/19/2013 17:50	1		RTX-CLPI 0.32(mm)
CCV 480-158530/12		12/19/2013 17:50	1		RTX-CLPII 0.32(mm)
ZZZZZ		12/19/2013 18:20	1		RTX-CLPI 0.32(mm)
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ZZZZZ		12/19/2013 18:50	1		RTX-CLPII 0.32(mm)
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ZZZZZ		12/19/2013 19:49	1		RTX-CLPII 0.32(mm)
ZZZZZ		12/19/2013 20:19	1		RTX-CLPI 0.32(mm)
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ZZZZZ		12/19/2013 22:47	1		RTX-CLPII 0.32(mm)
CCV 480-158530/23		12/19/2013 23:16	1		RTX-CLPI 0.32(mm)
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ZZZZZ		12/19/2013 23:46	1		RTX-CLPI 0.32(mm)
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ZZZZZ		12/20/2013 00:45	1		RTX-CLPI 0.32(mm)

8151A

HERBICIDES ANALYSIS RUN LOG

Lab Name: TestAmerica Buffalo Job No.: 480-55783-1

SDG No.:

Instrument ID: HP5890-13 Start Date: 12/19/2013 13:27

Analysis Batch Number: 158530 End Date: 12/20/2013 18:59

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
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ZZZZZ		12/20/2013 09:08	1		RTX-CLPI 0.32(mm)
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ZZZZZ		12/20/2013 09:37	1		RTX-CLPII 0.32(mm)
CCV 480-158530/45		12/20/2013 10:07	1		RTX-CLPI 0.32(mm)
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ZZZZZ		12/20/2013 11:06	1		RTX-CLPI 0.32(mm)
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ZZZZZ		12/20/2013 11:35	1		RTX-CLPI 0.32(mm)
ZZZZZ		12/20/2013 11:35	1		RTX-CLPII 0.32(mm)

8151A

HERBICIDES ANALYSIS RUN LOG

Lab Name: TestAmerica Buffalo Job No.: 480-55783-1

SDG No.:

Instrument ID: HP5890-13 Start Date: 12/19/2013 13:27

Analysis Batch Number: 158530 End Date: 12/20/2013 18:59

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
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ZZZZZ		12/20/2013 13:04	1		RTX-CLPI 0.32(mm)
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ZZZZZ		12/20/2013 13:34	1		RTX-CLPII 0.32(mm)
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ZZZZZ		12/20/2013 14:33	1		RTX-CLPII 0.32(mm)
ZZZZZ		12/20/2013 15:02	1		RTX-CLPI 0.32(mm)
ZZZZZ		12/20/2013 15:02	1		RTX-CLPII 0.32(mm)
CCV 480-158530/56		12/20/2013 15:32	1		RTX-CLPI 0.32(mm)
CCV 480-158530/56		12/20/2013 15:32	1		RTX-CLPII 0.32(mm)
ZZZZZ		12/20/2013 16:02	1		RTX-CLPI 0.32(mm)
ZZZZZ		12/20/2013 16:02	1		RTX-CLPII 0.32(mm)
ZZZZZ		12/20/2013 16:31	1		RTX-CLPI 0.32(mm)
ZZZZZ		12/20/2013 16:31	1		RTX-CLPII 0.32(mm)
ZZZZZ		12/20/2013 17:01	1		RTX-CLPI 0.32(mm)
ZZZZZ		12/20/2013 17:01	1		RTX-CLPII 0.32(mm)
ZZZZZ		12/20/2013 17:31	1		RTX-CLPI 0.32(mm)
ZZZZZ		12/20/2013 17:31	1		RTX-CLPII 0.32(mm)
ZZZZZ		12/20/2013 18:00	1		RTX-CLPI 0.32(mm)
ZZZZZ		12/20/2013 18:00	1		RTX-CLPII 0.32(mm)
ZZZZZ		12/20/2013 18:30	1		RTX-CLPI 0.32(mm)
ZZZZZ		12/20/2013 18:30	1		RTX-CLPII 0.32(mm)
CCV 480-158530/63		12/20/2013 18:59	1		RTX-CLPI 0.32(mm)
CCV 480-158530/63		12/20/2013 18:59	1		RTX-CLPII 0.32(mm)

HERBICIDES ANALYSIS RUN LOG

Lab Name: TestAmerica Buffalo Job No.: 480-55783-1

SDG No.:

Instrument ID: HP5890-13 Start Date: 03/14/2014 08:01

Analysis Batch Number: 170053 End Date: 03/14/2014 20:03

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
CCV 480-170053/3		03/14/2014 08:01	1		RTX-CLPI 0.32(mm)
CCV 480-170053/3		03/14/2014 08:01	1		RTX-CLPII 0.32(mm)
ZZZZZ		03/14/2014 08:40	1		RTX-CLPI 0.32(mm)
ZZZZZ		03/14/2014 08:40	1		RTX-CLPII 0.32(mm)
ZZZZZ		03/14/2014 09:10	1		RTX-CLPI 0.32(mm)
ZZZZZ		03/14/2014 09:10	1		RTX-CLPII 0.32(mm)
ZZZZZ		03/14/2014 09:40	1		RTX-CLPI 0.32(mm)
ZZZZZ		03/14/2014 09:40	1		RTX-CLPII 0.32(mm)
ZZZZZ		03/14/2014 10:09	1		RTX-CLPI 0.32(mm)
ZZZZZ		03/14/2014 10:09	1		RTX-CLPII 0.32(mm)
ZZZZZ		03/14/2014 10:39	1		RTX-CLPI 0.32(mm)
ZZZZZ		03/14/2014 10:39	1		RTX-CLPII 0.32(mm)
ZZZZZ		03/14/2014 11:09	1		RTX-CLPI 0.32(mm)
ZZZZZ		03/14/2014 11:09	1		RTX-CLPII 0.32(mm)
ZZZZZ		03/14/2014 11:38	1		RTX-CLPI 0.32(mm)
ZZZZZ		03/14/2014 11:38	1		RTX-CLPII 0.32(mm)
ZZZZZ		03/14/2014 12:08	1		RTX-CLPI 0.32(mm)
ZZZZZ		03/14/2014 12:08	1		RTX-CLPII 0.32(mm)
ZZZZZ		03/14/2014 12:38	1		RTX-CLPI 0.32(mm)
ZZZZZ		03/14/2014 12:38	1		RTX-CLPII 0.32(mm)
CCV 480-170053/13		03/14/2014 13:07	1	13_56013.D	RTX-CLPI 0.32(mm)
CCV 480-170053/13		03/14/2014 13:07	1		RTX-CLPII 0.32(mm)
MB 480-169808/1-A		03/14/2014 13:37	1	13_56014.D	RTX-CLPI 0.32(mm)
ZZZZZ		03/14/2014 13:37	1		RTX-CLPII 0.32(mm)
LCS 480-169808/2-A		03/14/2014 14:07	1	13_56015.D	RTX-CLPI 0.32(mm)
ZZZZZ		03/14/2014 14:07	1		RTX-CLPII 0.32(mm)
ZZZZZ		03/14/2014 14:37	1		RTX-CLPI 0.32(mm)
ZZZZZ		03/14/2014 14:37	1		RTX-CLPII 0.32(mm)
ZZZZZ		03/14/2014 15:06	1		RTX-CLPI 0.32(mm)
ZZZZZ		03/14/2014 15:06	1		RTX-CLPII 0.32(mm)
480-55783-1	MW-P	03/14/2014 15:36	1	13_56018.D	RTX-CLPI 0.32(mm)
ZZZZZ		03/14/2014 15:36	1		RTX-CLPII 0.32(mm)
480-55783-2	MW-3	03/14/2014 16:06	1	13_56019.D	RTX-CLPI 0.32(mm)
ZZZZZ		03/14/2014 16:06	1		RTX-CLPII 0.32(mm)
ZZZZZ		03/14/2014 16:35	1		RTX-CLPI 0.32(mm)
ZZZZZ		03/14/2014 16:35	1		RTX-CLPII 0.32(mm)
ZZZZZ		03/14/2014 17:05	1		RTX-CLPI 0.32(mm)
ZZZZZ		03/14/2014 17:05	1		RTX-CLPII 0.32(mm)
ZZZZZ		03/14/2014 17:35	1		RTX-CLPI 0.32(mm)
ZZZZZ		03/14/2014 17:35	1		RTX-CLPII 0.32(mm)
CCV 480-170053/23		03/14/2014 18:04	1	13_56023.D	RTX-CLPI 0.32(mm)
CCV 480-170053/23		03/14/2014 18:04	1		RTX-CLPII 0.32(mm)
480-55880-1	MW-1	03/14/2014 18:34	1	13_56024.D	RTX-CLPI 0.32(mm)
ZZZZZ		03/14/2014 18:34	1		RTX-CLPII 0.32(mm)
480-55880-2	MW-4	03/14/2014 19:04	1	13_56025.D	RTX-CLPI 0.32(mm)

8151A

HERBICIDES ANALYSIS RUN LOG

Lab Name: TestAmerica Buffalo Job No.: 480-55783-1

SDG No.:

Instrument ID: HP5890-13 Start Date: 03/14/2014 08:01

Analysis Batch Number: 170053 End Date: 03/14/2014 20:03

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
ZZZZZ		03/14/2014 19:04	1		RTX-CLPII 0.32(mm)
480-55880-3	MW-5	03/14/2014 19:33	1	13_56026.D	RTX-CLPI 0.32(mm)
ZZZZZ		03/14/2014 19:33	1		RTX-CLPII 0.32(mm)
CCV 480-170053/27		03/14/2014 20:03	1	13_56027.D	RTX-CLPI 0.32(mm)
CCV 480-170053/27		03/14/2014 20:03	1		RTX-CLPII 0.32(mm)

HERBICIDES BATCH WORKSHEET

Lab Name: TestAmerica Buffalo Job No.: 480-55783-1

SDG No.:

Batch Number: 169808 Batch Start Date: 03/13/14 05:49 Batch Analyst: Bonk, Kate E

Batch Method: 8151A Batch End Date:

Lab Sample ID	Client Sample ID	Method Chain	Basis	GrossWeight	TareWeight	InitialAmount	FinalAmount	ReceivedpH	FirstAdjustpH
MB 480-169808/1		8151A, 8151A				1000 mL	10 mL	7 SU	>11
LCS 480-169808/2		8151A, 8151A				1000 mL	10 mL	7 SU	>11
480-55783-A-1	MW-P	8151A, 8151A	T	001559.7 g	000506.1 g	1053.6 mL	10 mL	6 SU	>11
480-55783-B-2	MW-3	8151A, 8151A	T	001557.5 g	000501.8 g	1055.7 mL	10 mL	6 SU	>11
480-55880-A-1	MW-1	8151A, 8151A	T	001552.9 g	000501.0 g	1051.9 mL	10 mL	6 SU	>11
480-55880-B-2	MW-4	8151A, 8151A	T	001548.3 g	000502.0 g	1046.3 mL	10 mL	6 SU	>11
480-55880-B-3	MW-5	8151A, 8151A	T	001549.2 g	000501.6 g	1047.6 mL	10 mL	6 SU	>11

Lab Sample ID	Client Sample ID	Method Chain	Basis	SecondAdjustpH	O_8151spike 00017	O_8151surroga 00009	AnalysisComment		
MB 480-169808/1		8151A, 8151A		<2		1 mL	added 200uL of diazomethane		
LCS 480-169808/2		8151A, 8151A		<2	1 mL	1 mL	added 200uL of diazomethane		
480-55783-A-1	MW-P	8151A, 8151A	T	<2		1 mL	added 300uL of diazomethane		
480-55783-B-2	MW-3	8151A, 8151A	T	<2		1 mL	added 200uL of diazomethane		
480-55880-A-1	MW-1	8151A, 8151A	T	<2		1 mL	added 200uL of diazomethane		
480-55880-B-2	MW-4	8151A, 8151A	T	<2		1 mL	added 200uL of diazomethane		
480-55880-B-3	MW-5	8151A, 8151A	T	<2		1 mL	added 200uL of diazomethane		

The pound sign (#) in the amount added field denotes that the reagent was used undiluted. All calculations are performed using the stated concentration for this reagent.

HERBICIDES BATCH WORKSHEET

Lab Name: TestAmerica Buffalo Job No.: 480-55783-1

SDG No.:

Batch Number: 169808 Batch Start Date: 03/13/14 05:49 Batch Analyst: Bonk, Kate E

Batch Method: 8151A Batch End Date:

Batch Notes	
Balance ID	14552245
Batch Comment	Samples were filtered
Diethyl Ether Lot #	0000063511
Sulfuric Acid Lot Number	2310619
Hexane Lot#	0000064483
MeCL2 Lot #	0000067137
Methanol Lot Number	0000054761
Na2SO4, Acidified Lot #	NA2SO4 27863004, Sulfuric 0000053267, Ether 0000056415
Person's name who did the prep	MZ, MRB
Person's name who witnessed reagent drop	MZ
TMSDM Lot #	JLZCM-10

Basis	Basis Description
T	Total/NA

The pound sign (#) in the amount added field denotes that the reagent was used undiluted. All calculations are performed using the stated concentration for this reagent.

METALS

COVER PAGE
METALS

Lab Name: TestAmerica Buffalo Job Number: 480-55783-1

SDG No.:

Project: Mt Kisco

Client Sample ID	Lab Sample ID
MW-P	480-55783-1
MW-3	480-55783-2
MW-1	480-55880-1
MW-4	480-55880-2
MW-5	480-55880-3

Comments:

1A-IN
INORGANIC ANALYSIS DATA SHEET
METALS

Client Sample ID: MW-P
Lab Sample ID: 480-55783-1
Lab Name: TestAmerica Buffalo
Job No.: 480-55783-1
SDG ID.:
Matrix: Water
Date Sampled: 03/10/2014 14:05
Reporting Basis: WET
Date Received: 03/11/2014 10:58

CAS No.	Analyte	Result	RL	MDL	Units	C	Q	DIL	Method
7429-90-5	Aluminum	58.1	0.20	0.060	mg/L			1	6010C
7440-36-0	Antimony	ND	0.020	0.0068	mg/L			1	6010C
7440-38-2	Arsenic	0.0062	0.015	0.0056	mg/L	J		1	6010C
7440-39-3	Barium	0.81	0.0020	0.00070	mg/L			1	6010C
7440-41-7	Beryllium	ND	0.0020	0.00030	mg/L			1	6010C
7440-43-9	Cadmium	0.0031	0.0020	0.00050	mg/L			1	6010C
7440-70-2	Calcium	37.6	0.50	0.10	mg/L			1	6010C
7440-47-3	Chromium	0.13	0.0040	0.0010	mg/L			1	6010C
7440-48-4	Cobalt	0.042	0.0040	0.00063	mg/L			1	6010C
7440-50-8	Copper	0.15	0.010	0.0016	mg/L			1	6010C
7439-89-6	Iron	83.9	0.050	0.019	mg/L			1	6010C
7439-92-1	Lead	0.056	0.010	0.0030	mg/L			1	6010C
7439-95-4	Magnesium	29.9	0.20	0.043	mg/L			1	6010C
7439-96-5	Manganese	1.9	0.0030	0.00040	mg/L			1	6010C
7440-02-0	Nickel	0.094	0.010	0.0013	mg/L			1	6010C
7440-09-7	Potassium	26.7	0.50	0.10	mg/L			1	6010C
7782-49-2	Selenium	ND	0.025	0.0087	mg/L			1	6010C
7440-22-4	Silver	0.0049	0.0060	0.0017	mg/L	J		1	6010C
7440-23-5	Sodium	17.5	1.0	0.32	mg/L			1	6010C
7440-28-0	Thallium	ND	0.020	0.010	mg/L			1	6010C
7440-62-2	Vanadium	0.15	0.0050	0.0015	mg/L			1	6010C
7440-66-6	Zinc	0.31	0.010	0.0015	mg/L			1	6010C
7439-97-6	Mercury	0.00083	0.00020	0.00012	mg/L			1	7470A

1A-IN
INORGANIC ANALYSIS DATA SHEET
METALS

Client Sample ID: MW-3 Lab Sample ID: 480-55783-2

Lab Name: TestAmerica Buffalo Job No.: 480-55783-1

SDG ID.:

Matrix: Water Date Sampled: 03/10/2014 15:00

Reporting Basis: WET Date Received: 03/11/2014 10:58

CAS No.	Analyte	Result	RL	MDL	Units	C	Q	DIL	Method
7429-90-5	Aluminum	2.1	0.20	0.060	mg/L			1	6010C
7440-36-0	Antimony	ND	0.020	0.0068	mg/L			1	6010C
7440-38-2	Arsenic	0.0071	0.015	0.0056	mg/L	J		1	6010C
7440-39-3	Barium	0.19	0.0020	0.00070	mg/L			1	6010C
7440-41-7	Beryllium	ND	0.0020	0.00030	mg/L			1	6010C
7440-43-9	Cadmium	ND	0.0020	0.00050	mg/L			1	6010C
7440-70-2	Calcium	69.3	0.50	0.10	mg/L			1	6010C
7440-47-3	Chromium	0.0047	0.0040	0.0010	mg/L			1	6010C
7440-48-4	Cobalt	0.0024	0.0040	0.00063	mg/L	J		1	6010C
7440-50-8	Copper	0.012	0.010	0.0016	mg/L			1	6010C
7439-89-6	Iron	22.7	0.050	0.019	mg/L			1	6010C
7439-92-1	Lead	0.0063	0.010	0.0030	mg/L	J		1	6010C
7439-95-4	Magnesium	17.3	0.20	0.043	mg/L			1	6010C
7439-96-5	Manganese	2.2	0.0030	0.00040	mg/L			1	6010C
7440-02-0	Nickel	0.0036	0.010	0.0013	mg/L	J		1	6010C
7440-09-7	Potassium	4.4	0.50	0.10	mg/L			1	6010C
7782-49-2	Selenium	ND	0.025	0.0087	mg/L			1	6010C
7440-22-4	Silver	ND	0.0060	0.0017	mg/L			1	6010C
7440-23-5	Sodium	3.1	1.0	0.32	mg/L			1	6010C
7440-28-0	Thallium	ND	0.020	0.010	mg/L			1	6010C
7440-62-2	Vanadium	0.010	0.0050	0.0015	mg/L			1	6010C
7440-66-6	Zinc	0.047	0.010	0.0015	mg/L			1	6010C
7439-97-6	Mercury	ND	0.00020	0.00012	mg/L			1	7470A

1A-IN
INORGANIC ANALYSIS DATA SHEET
METALS

Client Sample ID: MW-1 Lab Sample ID: 480-55880-1

Lab Name: TestAmerica Buffalo Job No.: 480-55783-1

SDG ID.:

Matrix: Water Date Sampled: 03/11/2014 15:20

Reporting Basis: WET Date Received: 03/12/2014 09:00

CAS No.	Analyte	Result	RL	MDL	Units	C	Q	DIL	Method
7429-90-5	Aluminum	0.53	0.20	0.060	mg/L			1	6010C
7440-36-0	Antimony	ND	0.020	0.0068	mg/L			1	6010C
7440-38-2	Arsenic	ND	0.015	0.0056	mg/L			1	6010C
7440-39-3	Barium	0.068	0.0020	0.00070	mg/L			1	6010C
7440-41-7	Beryllium	ND	0.0020	0.00030	mg/L			1	6010C
7440-43-9	Cadmium	ND	0.0020	0.00050	mg/L			1	6010C
7440-70-2	Calcium	42.0	0.50	0.10	mg/L			1	6010C
7440-47-3	Chromium	0.0060	0.0040	0.0010	mg/L			1	6010C
7440-48-4	Cobalt	ND	0.0040	0.00063	mg/L			1	6010C
7440-50-8	Copper	0.0059	0.010	0.0016	mg/L	J		1	6010C
7439-89-6	Iron	0.79	0.050	0.019	mg/L			1	6010C
7439-92-1	Lead	0.0031	0.010	0.0030	mg/L	J		1	6010C
7439-95-4	Magnesium	14.9	0.20	0.043	mg/L			1	6010C
7439-96-5	Manganese	0.083	0.0030	0.00040	mg/L		B	1	6010C
7440-02-0	Nickel	0.019	0.010	0.0013	mg/L			1	6010C
7440-09-7	Potassium	3.0	0.50	0.10	mg/L			1	6010C
7782-49-2	Selenium	ND	0.025	0.0087	mg/L			1	6010C
7440-22-4	Silver	ND	0.0060	0.0017	mg/L			1	6010C
7440-23-5	Sodium	16.7	1.0	0.32	mg/L			1	6010C
7440-28-0	Thallium	ND	0.020	0.010	mg/L			1	6010C
7440-62-2	Vanadium	ND	0.0050	0.0015	mg/L			1	6010C
7440-66-6	Zinc	0.11	0.010	0.0015	mg/L		B	1	6010C
7439-97-6	Mercury	ND	0.00020	0.00012	mg/L			1	7470A

1A-IN
INORGANIC ANALYSIS DATA SHEET
METALS

Client Sample ID: MW-4 Lab Sample ID: 480-55880-2

Lab Name: TestAmerica Buffalo Job No.: 480-55783-1

SDG ID.:

Matrix: Water Date Sampled: 03/11/2014 14:35

Reporting Basis: WET Date Received: 03/12/2014 09:00

CAS No.	Analyte	Result	RL	MDL	Units	C	Q	DIL	Method
7429-90-5	Aluminum	4.1	0.20	0.060	mg/L			1	6010C
7440-36-0	Antimony	ND	0.020	0.0068	mg/L			1	6010C
7440-38-2	Arsenic	ND	0.015	0.0056	mg/L			1	6010C
7440-39-3	Barium	0.25	0.0020	0.00070	mg/L			1	6010C
7440-41-7	Beryllium	ND	0.0020	0.00030	mg/L			1	6010C
7440-43-9	Cadmium	0.00080	0.0020	0.00050	mg/L	J		1	6010C
7440-70-2	Calcium	87.7	0.50	0.10	mg/L			1	6010C
7440-47-3	Chromium	0.016	0.0040	0.0010	mg/L			1	6010C
7440-48-4	Cobalt	0.0055	0.0040	0.00063	mg/L			1	6010C
7440-50-8	Copper	0.20	0.010	0.0016	mg/L			1	6010C
7439-89-6	Iron	36.5	0.050	0.019	mg/L			1	6010C
7439-92-1	Lead	0.021	0.010	0.0030	mg/L			1	6010C
7439-95-4	Magnesium	21.9	0.20	0.043	mg/L			1	6010C
7439-96-5	Manganese	4.6	0.0030	0.00040	mg/L		B	1	6010C
7440-02-0	Nickel	0.011	0.010	0.0013	mg/L			1	6010C
7440-09-7	Potassium	5.1	0.50	0.10	mg/L			1	6010C
7782-49-2	Selenium	ND	0.025	0.0087	mg/L			1	6010C
7440-22-4	Silver	0.0026	0.0060	0.0017	mg/L	J		1	6010C
7440-23-5	Sodium	19.6	1.0	0.32	mg/L			1	6010C
7440-28-0	Thallium	ND	0.020	0.010	mg/L			1	6010C
7440-62-2	Vanadium	0.010	0.0050	0.0015	mg/L			1	6010C
7440-66-6	Zinc	0.20	0.010	0.0015	mg/L		B	1	6010C
7439-97-6	Mercury	0.00044	0.00020	0.00012	mg/L			1	7470A

1A-IN
INORGANIC ANALYSIS DATA SHEET
METALS

Client Sample ID: MW-5 Lab Sample ID: 480-55880-3

Lab Name: TestAmerica Buffalo Job No.: 480-55783-1

SDG ID.:

Matrix: Water Date Sampled: 03/11/2014 13:50

Reporting Basis: WET Date Received: 03/12/2014 09:00

CAS No.	Analyte	Result	RL	MDL	Units	C	Q	DIL	Method
7429-90-5	Aluminum	2.1	0.20	0.060	mg/L			1	6010C
7440-36-0	Antimony	ND	0.020	0.0068	mg/L			1	6010C
7440-38-2	Arsenic	0.016	0.015	0.0056	mg/L			1	6010C
7440-39-3	Barium	0.37	0.0020	0.00070	mg/L			1	6010C
7440-41-7	Beryllium	ND	0.0020	0.00030	mg/L			1	6010C
7440-43-9	Cadmium	0.0053	0.0020	0.00050	mg/L			1	6010C
7440-70-2	Calcium	34.3	0.50	0.10	mg/L			1	6010C
7440-47-3	Chromium	0.11	0.0040	0.0010	mg/L			1	6010C
7440-48-4	Cobalt	0.0015	0.0040	0.00063	mg/L	J		1	6010C
7440-50-8	Copper	0.060	0.010	0.0016	mg/L			1	6010C
7439-89-6	Iron	40.9	0.050	0.019	mg/L			1	6010C
7439-92-1	Lead	0.054	0.010	0.0030	mg/L			1	6010C
7439-95-4	Magnesium	10.0	0.20	0.043	mg/L			1	6010C
7439-96-5	Manganese	0.96	0.0030	0.00040	mg/L		B	1	6010C
7440-02-0	Nickel	0.013	0.010	0.0013	mg/L			1	6010C
7440-09-7	Potassium	3.8	0.50	0.10	mg/L			1	6010C
7782-49-2	Selenium	ND	0.025	0.0087	mg/L			1	6010C
7440-22-4	Silver	0.0035	0.0060	0.0017	mg/L	J		1	6010C
7440-23-5	Sodium	15.3	1.0	0.32	mg/L			1	6010C
7440-28-0	Thallium	ND	0.020	0.010	mg/L			1	6010C
7440-62-2	Vanadium	0.063	0.0050	0.0015	mg/L			1	6010C
7440-66-6	Zinc	0.062	0.010	0.0015	mg/L		B	1	6010C
7439-97-6	Mercury	0.00020	0.00020	0.00012	mg/L			1	7470A

2A-IN
CALIBRATION VERIFICATIONS
METALS

Lab Name: TestAmerica Buffalo Job No.: 480-55783-1

SDG No.:

ICV Source: MEI_04_ICV_00241 Concentration Units: mg/L

CCV Source: MEI_09_CCV_00152

Analyte	ICV 480-170104/5 03/13/2014 17:38				CCV 480-170104/13 03/13/2014 23:12				CCV 480-170104/18 03/13/2014 23:46			
	Found	C	True	%R	Found	C	True	%R	Found	C	True	%R
Aluminum	19.18		18.8	102	26.24		25.0	105	26.04		25.0	104
Antimony	0.380		0.375	101	0.539		0.500	108	0.525		0.500	105
Arsenic	0.385		0.375	103	0.520		0.500	104	0.531		0.500	106
Barium	0.392		0.375	105	0.529		0.500	106	0.532		0.500	106
Beryllium	0.382		0.375	102	0.503		0.500	101	0.518		0.500	104
Cadmium	0.378		0.375	101	0.521		0.500	104	0.521		0.500	104
Calcium	18.83		18.8	100	25.54		25.0	102	25.36		25.0	101
Chromium	0.382		0.375	102	0.530		0.500	106	0.517		0.500	103
Cobalt	0.375		0.375	100	0.517		0.500	103	0.518		0.500	104
Copper	0.384		0.375	102	0.542		0.500	108	0.526		0.500	105
Iron	18.97		18.8	101	24.53		25.0	98	25.18		25.0	101
Lead	0.378		0.375	101	0.516		0.500	103	0.518		0.500	104
Magnesium	19.04		18.8	102	26.38		25.0	106	25.83		25.0	103
Manganese	0.384		0.375	103	0.523		0.500	105	0.523		0.500	105
Nickel	0.375		0.375	100	0.507		0.500	101	0.517		0.500	103
Potassium	18.75		18.8	100	26.59		25.0	106	26.44		25.0	106
Selenium	0.377		0.375	101	0.515		0.500	103	0.525		0.500	105
Silver	0.375		0.375	100	0.527		0.500	105	0.515		0.500	103
Sodium	18.75		18.8	100	27.05		25.0	108	26.27		25.0	105
Thallium	0.375		0.375	100	0.514		0.500	103	0.514		0.500	103
Vanadium	0.382		0.375	102	0.551		0.500	110	0.519		0.500	104
Zinc	0.386		0.375	103	0.541		0.500	108	0.516		0.500	103

Note! Calculations are performed before rounding to avoid round-off errors in calculated results.
Italicized analytes were not requested for this sequence.

2A-IN
CALIBRATION VERIFICATIONS
METALS

Lab Name: TestAmerica Buffalo Job No.: 480-55783-1

SDG No.:

ICV Source: MEI_04_ICV_00241 Concentration Units: mg/L

CCV Source: MEI_09_CCV_00152

Analyte	CCV 480-170104/30 03/14/2014 00:19				CCV 480-170104/42 03/14/2014 00:54				CCV 480-170104/49 03/14/2014 01:29			
	Found	C	True	%R	Found	C	True	%R	Found	C	True	%R
Aluminum	26.40		25.0	106	25.45		25.0	102	26.23		25.0	105
Antimony	0.537		0.500	107	0.518		0.500	104	0.534		0.500	107
Arsenic	0.526		0.500	105	0.533		0.500	107	0.523		0.500	105
Barium	0.534		0.500	107	0.527		0.500	105	0.535		0.500	107
Beryllium	0.507		0.500	101	0.519		0.500	104	0.510		0.500	102
Cadmium	0.522		0.500	104	0.527		0.500	105	0.524		0.500	105
Calcium	25.63		25.0	103	24.48		25.0	98	25.61		25.0	102
Chromium	0.524		0.500	105	0.498		0.500	100	0.525		0.500	105
Cobalt	0.519		0.500	104	0.513		0.500	103	0.518		0.500	104
Copper	0.538		0.500	108	0.513		0.500	103	0.538		0.500	108
Iron	24.66		25.0	99	25.09		25.0	100	24.63		25.0	99
Lead	0.521		0.500	104	0.513		0.500	103	0.518		0.500	104
Magnesium	26.21		25.0	105	25.39		25.0	102	26.27		25.0	105
Manganese	0.522		0.500	104	0.520		0.500	104	0.524		0.500	105
Nickel	0.513		0.500	103	0.520		0.500	104	0.513		0.500	103
Potassium	26.83		25.0	107	25.96		25.0	104	26.95		25.0	108
Selenium	0.519		0.500	104	0.529		0.500	106	0.514		0.500	103
Silver	0.523		0.500	105	0.504		0.500	101	0.525		0.500	105
Sodium	27.18		25.0	109	25.44		25.0	102	27.31		25.0	109
Thallium	0.514		0.500	103	0.516		0.500	103	0.514		0.500	103
Vanadium	0.539		0.500	108	0.491		0.500	98	0.541		0.500	108
Zinc	0.529		0.500	106	0.481		0.500	96	0.538		0.500	108

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.: 480-55783-1

SDG No.:

ICV Source: MEI_10_CCVL_00019 Concentration Units: mg/L

CCV Source: MEI_10_CCVL_00019

Analyte	ICVL 480-170104/7 03/13/2014 17:44				CCVL 480-170104/15 03/13/2014 23:17				CCVL 480-170104/20 03/13/2014 23:51			
	Found	C	True	%R	Found	C	True	%R	Found	C	True	%R
Aluminum	0.222		0.200	111	0.203		0.200	101	0.217		0.200	109
Antimony	0.0203		0.0200	102	0.0199	J	0.0200	100	0.0194	J	0.0200	97
Arsenic	0.0156		0.0150	104	0.0163		0.0150	109	0.0136	J	0.0150	91
Barium	0.00225		0.00200	113	0.00231		0.00200	116	0.00235		0.00200	118
Beryllium	0.00214		0.00200	107	0.00209		0.00200	105	0.00209		0.00200	105
Cadmium	0.00203		0.00200	102	0.00211		0.00200	106	0.00203		0.00200	102
Calcium	0.519		0.500	104	0.493	J	0.500	99	0.518		0.500	104
Chromium	0.00422		0.00400	106	0.00390	J	0.00400	98	0.00395	J	0.00400	99
Cobalt	0.00416		0.00400	104	0.00399	J	0.00400	100	0.00415		0.00400	104
Copper	0.0110		0.0100	110	0.0110		0.0100	110	0.0111		0.0100	111
Iron	0.0497	J	0.0500	99	0.0454	J	0.0500	91	0.0463	J	0.0500	93
Lead	0.0111		0.0100	111	0.00947	J	0.0100	95	0.0113		0.0100	113
Magnesium	0.213		0.200	106	0.213		0.200	106	0.212		0.200	106
Manganese	0.00353		0.00300	118	0.00340		0.00300	113	0.00347		0.00300	116
Nickel	0.0111		0.0100	111	0.0109		0.0100	109	0.0107		0.0100	107
Potassium	0.514		0.500	103	0.530		0.500	106	0.521		0.500	104
Selenium	0.0243	J	0.0250	97	0.0281		0.0250	113	0.0227	J	0.0250	91
Silver	0.00597	J	0.00600	100	0.00522	J	0.00600	87	0.00591	J	0.00600	99
Sodium	1.03		1.00	103	1.05		1.00	105	1.06		1.00	106
Thallium	0.0211		0.0200	105	0.0213		0.0200	106	0.0218		0.0200	109
Vanadium	0.00509		0.00500	102	0.00547		0.00500	109	0.00536		0.00500	107
Zinc	0.0104		0.0100	104	0.00980	J	0.0100	98	0.0101		0.0100	101

Note! Calculations are performed before rounding to avoid round-off errors in calculated results.
Italicized analytes were not requested for this sequence.

2A-IN
CALIBRATION VERIFICATIONS
METALS

Lab Name: TestAmerica Buffalo Job No.: 480-55783-1

SDG No.:

ICV Source: MEI_10_CCVL_00019 Concentration Units: mg/L

CCV Source: MEI_10_CCVL_00019

Analyte	CCVL 480-170104/32 03/14/2014 00:25				CCVL 480-170104/44 03/14/2014 01:00				CCVL 480-170104/51 03/14/2014 01:34			
	Found	C	True	%R	Found	C	True	%R	Found	C	True	%R
Aluminum	0.203		0.200	101	0.199	J	0.200	99	0.204		0.200	102
Antimony	0.0202		0.0200	101	0.0213		0.0200	107	0.0198	J	0.0200	99
Arsenic	0.0157		0.0150	105	0.0136	J	0.0150	90	0.0166		0.0150	111
Barium	0.00236		0.00200	118	0.00229		0.00200	115	0.00229		0.00200	115
Beryllium	0.00210		0.00200	105	0.00213		0.00200	107	0.00212		0.00200	106
Cadmium	0.00202		0.00200	101	0.00204		0.00200	102	0.00194	J	0.00200	97
Calcium	0.511		0.500	102	0.503		0.500	101	0.499	J	0.500	100
Chromium	0.00403		0.00400	101	0.00340	J	0.00400	85	0.00398	J	0.00400	100
Cobalt	0.00412		0.00400	103	0.00405		0.00400	101	0.00405		0.00400	101
Copper	0.0116		0.0100	116	0.0105		0.0100	105	0.0109		0.0100	109
Iron	0.0467	J	0.0500	93	0.0459	J	0.0500	92	0.0459	J	0.0500	92
Lead	0.0111		0.0100	111	0.00961	J	0.0100	96	0.00886	J	0.0100	89
Magnesium	0.213		0.200	107	0.207		0.200	104	0.209		0.200	104
Manganese	0.00340		0.00300	113	0.00346		0.00300	115	0.00344		0.00300	115
Nickel	0.0109		0.0100	109	0.0109		0.0100	109	0.0105		0.0100	105
Potassium	0.543		0.500	109	0.533		0.500	107	0.547		0.500	109
Selenium	0.0261		0.0250	104	0.0258		0.0250	103	0.0246	J	0.0250	98
Silver	0.00554	J	0.00600	92	0.00570	J	0.00600	95	0.00595	J	0.00600	99
Sodium	1.08		1.00	108	1.07		1.00	107	1.13		1.00	113
Thallium	0.0211		0.0200	105	0.0190	J	0.0200	95	0.0215		0.0200	107
Vanadium	0.00563		0.00500	113	0.00537		0.00500	107	0.00513		0.00500	103
Zinc	0.0101		0.0100	101	0.0100		0.0100	100	0.0128		0.0100	128

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.: 480-55783-1

SDG No.:

ICV Source: MEI_04_ICV_00241 Concentration Units: mg/L

CCV Source: MEI_09_CCV_00152

Analyte	ICV 480-170155/5 03/14/2014 10:44				CCV 480-170155/13 03/14/2014 12:20				CCV 480-170155/20 03/14/2014 12:54			
	Found	C	True	%R	Found	C	True	%R	Found	C	True	%R
Aluminum	19.09		18.8	102	25.62		25.0	102	25.15		25.0	101
Antimony	0.384		0.375	102	0.505		0.500	101	0.508		0.500	102
Arsenic	0.387		0.375	103	0.508		0.500	102	0.506		0.500	101
Barium	0.391		0.375	104	0.509		0.500	102	0.502		0.500	100
Beryllium	0.387		0.375	103	0.509		0.500	102	0.513		0.500	103
Cadmium	0.378		0.375	101	0.498		0.500	100	0.496		0.500	99
Calcium	18.71		18.8	100	25.13		25.0	101	24.92		25.0	100
Chromium	0.381		0.375	102	0.507		0.500	101	0.504		0.500	101
Cobalt	0.375		0.375	100	0.498		0.500	100	0.499		0.500	100
Copper	0.382		0.375	102	0.507		0.500	101	0.498		0.500	100
Iron	19.14		18.8	102	25.14		25.0	101	25.35		25.0	101
Lead	0.377		0.375	101	0.501		0.500	100	0.500		0.500	100
Magnesium	19.07		18.8	102	25.27		25.0	101	25.19		25.0	101
Manganese	0.387		0.375	103	0.512		0.500	102	0.512		0.500	102
Nickel	0.378		0.375	101	0.503		0.500	101	0.505		0.500	101
Potassium	18.86		18.8	101	25.05		25.0	100	24.44		25.0	98
Selenium	0.379		0.375	101	0.502		0.500	100	0.498		0.500	100
Silver	0.373		0.375	100	0.498		0.500	100	0.492		0.500	98
Sodium	18.61		18.8	99	24.96		25.0	100	24.23		25.0	97
Thallium	0.378		0.375	101	0.502		0.500	100	0.506		0.500	101
Vanadium	0.376		0.375	100	0.499		0.500	100	0.490		0.500	98
Zinc	0.378		0.375	101	0.504		0.500	101	0.498		0.500	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.: 480-55783-1

SDG No.:

ICV Source: MEI_10_CCVL_00019 Concentration Units: mg/L

CCV Source: MEI_10_CCVL_00019

Analyte	ICVL 480-170155/7 03/14/2014 10:49				CCVL 480-170155/15 03/14/2014 12:26				CCVL 480-170155/22 03/14/2014 12:59			
	Found	C	True	%R	Found	C	True	%R	Found	C	True	%R
Aluminum	0.213		0.200	106	0.212		0.200	106	0.203		0.200	101
Antimony	0.0182	J	0.0200	91	0.0183	J	0.0200	92	0.0182	J	0.0200	91
Arsenic	0.0139	J	0.0150	92	0.0141	J	0.0150	94	0.0146	J	0.0150	97
Barium	0.00225		0.00200	113	0.00234		0.00200	117	0.00231		0.00200	116
Beryllium	0.00224		0.00200	112	0.00213		0.00200	107	0.00207		0.00200	104
Cadmium	0.00202		0.00200	101	0.00195	J	0.00200	98	0.00191	J	0.00200	96
Calcium	0.510		0.500	102	0.496	J	0.500	99	0.526		0.500	105
Chromium	0.00361	J	0.00400	90	0.00382	J	0.00400	96	0.00376	J	0.00400	94
Cobalt	0.00400		0.00400	100	0.00381	J	0.00400	95	0.00381	J	0.00400	95
Copper	0.0101		0.0100	101	0.00980	J	0.0100	98	0.00963	J	0.0100	96
Iron	0.0541		0.0500	108	0.0514		0.0500	103	0.0541		0.0500	108
Lead	0.0101		0.0100	101	0.00899	J	0.0100	90	0.00966	J	0.0100	97
Magnesium	0.209		0.200	104	0.204		0.200	102	0.204		0.200	102
Manganese	0.00349		0.00300	116	0.00347		0.00300	116	0.00348		0.00300	116
Nickel	0.0110		0.0100	110	0.0108		0.0100	108	0.0110		0.0100	110
Potassium	0.491	J	0.500	98	0.372	J	0.500	74	0.390	J	0.500	78
Selenium	0.0240	J	0.0250	96	0.0244	J	0.0250	98	0.0253		0.0250	101
Silver	0.00539	J	0.00600	90	0.00485	J	0.00600	81	0.00499	J	0.00600	83
Sodium	1.02		1.00	102	0.955	J	1.00	96	0.940	J	1.00	94
Thallium	0.0195	J	0.0200	97	0.0216		0.0200	108	0.0205		0.0200	103
Vanadium	0.00515		0.00500	103	0.00520		0.00500	104	0.00507		0.00500	101
Zinc	0.0102		0.0100	102	0.0100		0.0100	100	0.00948	J	0.0100	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.: 480-55783-1

SDG No.:

ICV Source: MEI_04_ICV_00241 Concentration Units: mg/L

CCV Source: MEI_09_CCV_00152

Analyte	ICV 480-170400/5 03/14/2014 15:29				CCV 480-170400/13 03/14/2014 21:05				CCV 480-170400/17 03/14/2014 21:39			
	Found	C	True	%R	Found	C	True	%R	Found	C	True	%R
Aluminum	19.22		18.8	103	25.61		25.0	102	25.63		25.0	103
Antimony	0.381		0.375	102	0.516		0.500	103	0.513		0.500	103
Arsenic	0.379		0.375	101	0.514		0.500	103	0.510		0.500	102
Barium	0.392		0.375	104	0.515		0.500	103	0.515		0.500	103
Beryllium	0.383		0.375	102	0.514		0.500	103	0.516		0.500	103
Cadmium	0.379		0.375	101	0.501		0.500	100	0.500		0.500	100
Calcium	18.85		18.8	101	24.95		25.0	100	24.92		25.0	100
Chromium	0.380		0.375	101	0.507		0.500	101	0.511		0.500	102
Cobalt	0.375		0.375	100	0.502		0.500	100	0.502		0.500	100
Copper	0.382		0.375	102	0.507		0.500	101	0.510		0.500	102
Iron	18.99		18.8	101	25.36		25.0	101	25.37		25.0	101
Lead	0.377		0.375	101	0.502		0.500	100	0.506		0.500	101
Magnesium	18.98		18.8	101	25.42		25.0	102	25.45		25.0	102
Manganese	0.385		0.375	103	0.518		0.500	104	0.518		0.500	104
Nickel	0.376		0.375	100	0.509		0.500	102	0.508		0.500	102
Potassium	18.90		18.8	101	25.39		25.0	102	25.30		25.0	101
Selenium	0.380		0.375	101	0.500		0.500	100	0.501		0.500	100
Silver	0.375		0.375	100	0.505		0.500	101	0.506		0.500	101
Sodium	18.82		18.8	100	24.94		25.0	100	24.84		25.0	99
Thallium	0.376		0.375	100	0.507		0.500	101	0.507		0.500	101
Vanadium	0.380		0.375	101	0.493		0.500	99	0.495		0.500	99
Zinc	0.381		0.375	102	0.497		0.500	99	0.495		0.500	99

Note! Calculations are performed before rounding to avoid round-off errors in calculated results.
Italicized analytes were not requested for this sequence.

2A-IN
CALIBRATION VERIFICATIONS
METALS

Lab Name: TestAmerica Buffalo Job No.: 480-55783-1

SDG No.:

ICV Source: MEI_04_ICV_00241 Concentration Units: mg/L

CCV Source: MEI_09_CCV_00152

Analyte	CCV 480-170400/29 03/14/2014 22:14				CCV 480-170400/41 03/14/2014 22:48				CCV 480-170400/51 03/14/2014 23:22			
	Found	C	True	%R	Found	C	True	%R	Found	C	True	%R
Aluminum	25.21		25.0	101	25.09		25.0	100	26.20		25.0	105
Antimony	0.514		0.500	103	0.513		0.500	103	0.511		0.500	102
Arsenic	0.508		0.500	102	0.506		0.500	101	0.523		0.500	105
Barium	0.511		0.500	102	0.508		0.500	102	0.526		0.500	105
Beryllium	0.514		0.500	103	0.513		0.500	103	0.513		0.500	103
Cadmium	0.498		0.500	100	0.496		0.500	99	0.514		0.500	103
Calcium	24.49		25.0	98	24.38		25.0	98	25.69		25.0	103
Chromium	0.499		0.500	100	0.492		0.500	98	0.517		0.500	103
Cobalt	0.500		0.500	100	0.498		0.500	100	0.514		0.500	103
Copper	0.499		0.500	100	0.492		0.500	98	0.520		0.500	104
Iron	25.30		25.0	101	25.29		25.0	101	25.30		25.0	101
Lead	0.503		0.500	101	0.500		0.500	100	0.514		0.500	103
Magnesium	25.27		25.0	101	25.19		25.0	101	25.64		25.0	103
Manganese	0.513		0.500	103	0.513		0.500	103	0.519		0.500	104
Nickel	0.508		0.500	102	0.508		0.500	102	0.510		0.500	102
Potassium	25.01		25.0	100	24.90		25.0	100	26.16		25.0	105
Selenium	0.494		0.500	99	0.493		0.500	99	0.518		0.500	104
Silver	0.499		0.500	100	0.495		0.500	99	0.508		0.500	102
Sodium	24.42		25.0	98	24.21		25.0	97	26.15		25.0	105
Thallium	0.508		0.500	102	0.509		0.500	102	0.505		0.500	101
Vanadium	0.481		0.500	96	0.472		0.500	94	0.523		0.500	105
Zinc	0.483		0.500	97	0.474		0.500	95	0.525		0.500	105

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.: 480-55783-1

SDG No.:

ICV Source: MEI_10_CCVL_00019 Concentration Units: mg/L

CCV Source: MEI_10_CCVL_00019

Analyte	ICVL 480-170400/7 03/14/2014 15:35				CCVL 480-170400/15 03/14/2014 21:11				CCVL 480-170400/19 03/14/2014 21:45			
	Found	C	True	%R	Found	C	True	%R	Found	C	True	%R
Aluminum	0.216		0.200	108	0.207		0.200	104	0.206		0.200	103
Antimony	0.0185	J	0.0200	93	0.0202		0.0200	101	0.0203		0.0200	101
Arsenic	0.0155		0.0150	103	0.0158		0.0150	105	0.0156		0.0150	104
Barium	0.00219		0.00200	110	0.00223		0.00200	112	0.00220		0.00200	110
Beryllium	0.00204		0.00200	102	0.00205		0.00200	103	0.00202		0.00200	101
Cadmium	0.00190	J	0.00200	95	0.00179	J	0.00200	90	0.00175	J	0.00200	88
Calcium	0.494	J	0.500	99	0.475	J	0.500	95	0.477	J	0.500	95
Chromium	0.00388	J	0.00400	97	0.00408		0.00400	102	0.00374	J	0.00400	94
Cobalt	0.00395	J	0.00400	99	0.00381	J	0.00400	95	0.00385	J	0.00400	96
Copper	0.00977	J	0.0100	98	0.00889	J	0.0100	89	0.00890	J	0.0100	89
Iron	0.0510		0.0500	102	0.0510		0.0500	102	0.0505		0.0500	101
Lead	0.00995	J	0.0100	100	0.00984	J	0.0100	98	0.00993	J	0.0100	99
Magnesium	0.207		0.200	103	0.201		0.200	101	0.201		0.200	100
Manganese	0.00341		0.00300	114	0.00335		0.00300	112	0.00331		0.00300	110
Nickel	0.0111		0.0100	111	0.0110		0.0100	110	0.0109		0.0100	109
Potassium	0.501		0.500	100	0.483	J	0.500	97	0.471	J	0.500	94
Selenium	0.0265		0.0250	106	0.0265		0.0250	106	0.0254		0.0250	102
Silver	0.00580	J	0.00600	97	0.00575	J	0.00600	96	0.00540	J	0.00600	90
Sodium	0.989	J	1.00	99	0.952	J	1.00	95	0.934	J	1.00	93
Thallium	0.0213		0.0200	107	0.0194	J	0.0200	97	0.0191	J	0.0200	96
Vanadium	0.00494	J	0.00500	99	0.00461	J	0.00500	92	0.00473	J	0.00500	95
Zinc	0.00969	J	0.0100	97	0.00919	J	0.0100	92	0.00926	J	0.0100	93

Note! Calculations are performed before rounding to avoid round-off errors in calculated results.
Italicized analytes were not requested for this sequence.

Lab Name: TestAmerica Buffalo Job No.: 480-55783-1

SDG No.:

ICV Source: MEI_10_CCVL_00019 Concentration Units: mg/L

CCV Source: MEI_10_CCVL_00019

Analyte	CCVL 480-170400/31 03/14/2014 22:20				CCVL 480-170400/43 03/14/2014 22:54				CCVL 480-170400/53 03/14/2014 23:28			
	Found	C	True	%R	Found	C	True	%R	Found	C	True	%R
Aluminum	0.206		0.200	103	0.197	J	0.200	98	0.227		0.200	113
Antimony	0.0195	J	0.0200	97	0.0183	J	0.0200	92	0.0188	J	0.0200	94
Arsenic	0.0141	J	0.0150	94	0.0152		0.0150	101	0.0153		0.0150	102
Barium	0.00220		0.00200	110	0.00217		0.00200	109	0.00231		0.00200	116
Beryllium	0.00196	J	0.00200	98	0.00202		0.00200	101	0.00205		0.00200	103
Cadmium	0.00179	J	0.00200	90	0.00174	J	0.00200	87	0.00188	J	0.00200	94
Calcium	0.476	J	0.500	95	0.470	J	0.500	94	0.510		0.500	102
Chromium	0.00405		0.00400	101	0.00359	J	0.00400	90	0.00433		0.00400	108
Cobalt	0.00381	J	0.00400	95	0.00380	J	0.00400	95	0.00392	J	0.00400	98
Copper	0.00886	J	0.0100	89	0.00881	J	0.0100	88	0.0103		0.0100	103
Iron	0.0506		0.0500	101	0.0488	J	0.0500	98	0.0500		0.0500	100
Lead	0.00937	J	0.0100	94	0.0109		0.0100	109	0.0115		0.0100	115
Magnesium	0.204		0.200	102	0.206		0.200	103	0.202		0.200	101
Manganese	0.00331		0.00300	110	0.00333		0.00300	111	0.00342		0.00300	114
Nickel	0.0107		0.0100	107	0.0110		0.0100	110	0.0110		0.0100	110
Potassium	0.492	J	0.500	98	0.497	J	0.500	99	0.581		0.500	116
Selenium	0.0253		0.0250	101	0.0241	J	0.0250	96	0.0275		0.0250	110
Silver	0.00538	J	0.00600	90	0.00547	J	0.00600	91	0.00578	J	0.00600	96
Sodium	0.943	J	1.00	94	0.925	J	1.00	93	1.06		1.00	106
Thallium	0.0186	J	0.0200	93	0.0202		0.0200	101	0.0214		0.0200	107
Vanadium	0.00457	J	0.00500	91	0.00459	J	0.00500	92	0.00500		0.00500	100
Zinc	0.00915	J	0.0100	92	0.00928	J	0.0100	93	0.0102		0.0100	102

Note! Calculations are performed before rounding to avoid round-off errors in calculated results.
Italicized analytes were not requested for this sequence.

2A-IN
CALIBRATION VERIFICATIONS
METALS

Lab Name: TestAmerica Buffalo Job No.: 480-55783-1

SDG No.:

ICV Source: MEH_HG2_WKG_00591 Concentration Units: mg/L

CCV Source: MEH_HG2_WKG_00591

Analyte	ICV 480-169960/1 03/13/2014 13:09				ICVL 480-169960/3 03/13/2014 13:12				CCV 480-169960/4 03/13/2014 13:14			
	Found	C	True	%R	Found	C	True	%R	Found	C	True	%R
Mercury	0.00312		0.00300	104	0.000206		0.000200	103	0.00212		0.00200	106

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.: 480-55783-1

SDG No.:

ICV Source: MEH_HG2_WKG_00591 Concentration Units: mg/L

CCV Source: MEH_HG2_WKG_00591

Analyte	CCV 480-169960/16 03/13/2014 13:35				CCV 480-169960/28 03/13/2014 13:55				CCV 480-169960/40 03/13/2014 14:15			
	Found	C	True	%R	Found	C	True	%R	Found	C	True	%R
Mercury	0.00213		0.00200	107	0.00215		0.00200	108	0.00215		0.00200	108

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.: 480-55783-1

SDG No.:

ICV Source: MEH_HG2_WKG_00591 Concentration Units: mg/L

CCV Source: MEH_HG2_WKG_00591

Analyte	CCV 480-169960/52 03/13/2014 14:36				CCVL 480-169960/58 03/13/2014 14:49				CCV 480-169960/59 03/13/2014 14:51			
	Found	C	True	%R	Found	C	True	%R	Found	C	True	%R
Mercury	0.00214		0.00200	107	0.000206		0.000200	103	0.00212		0.00200	106

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.: 480-55783-1

SDG No.:

ICV Source: MEH_HG2_WKG_00591 Concentration Units: mg/L

CCV Source: MEH_HG2_WKG_00591

Analyte	CCVL 480-169960/69 03/13/2014 15:14				CCV 480-169960/70 03/13/2014 15:16							
	Found	C	True	%R	Found	C	True	%R	Found	C	True	%R
Mercury	0.000209		0.000200	105	0.00213		0.00200	107				

Note! Calculations are performed before rounding to avoid round-off errors in calculated results.
Italicized analytes were not requested for this sequence.

3-IN
INSTRUMENT BLANKS
METALS

Lab Name: TestAmerica Buffalo Job No.: 480-55783-1

SDG No.:

Concentration Units: mg/L

Analyte	RL	ICB 480-170104/6 03/13/2014 17:41		CCB 480-170104/14 03/13/2014 23:15		CCB 480-170104/19 03/13/2014 23:48		CCB 480-170104/31 03/14/2014 00:22	
		Found	C	Found	C	Found	C	Found	C
Aluminum	0.20	ND		ND		ND		ND	
Antimony	0.020	ND		ND		ND		ND	
Arsenic	0.015	ND		ND		ND		ND	
Barium	0.0020	ND		ND		ND		ND	
Beryllium	0.0020	ND		ND		ND		ND	
Cadmium	0.0020	ND		ND		ND		ND	
Calcium	0.50	ND		ND		ND		ND	
Chromium	0.0040	ND		ND		ND		ND	
Cobalt	0.0040	ND		ND		ND		ND	
Copper	0.010	ND		ND		ND		ND	
Iron	0.050	ND		ND		ND		ND	
Lead	0.010	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	0.025	ND		ND		ND		ND	
Silver	0.0060	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.: 480-55783-1

SDG No.:

Concentration Units: mg/L

Analyte	RL	CCB 480-170104/43 03/14/2014 00:57		CCB 480-170104/50 03/14/2014 01:32					
		Found	C	Found	C	Found	C	Found	C
Aluminum	0.20	ND		ND					
Antimony	0.020	ND		ND					
Arsenic	0.015	ND		ND					
Barium	0.0020	ND		ND					
Beryllium	0.0020	ND		ND					
Cadmium	0.0020	ND		ND					
Calcium	0.50	ND		ND					
Chromium	0.0040	ND		ND					
Cobalt	0.0040	ND		ND					
Copper	0.010	ND		ND					
Iron	0.050	ND		ND					
Lead	0.010	ND		ND					
Magnesium	0.20	ND		ND					
Manganese	0.0030	ND		ND					
Nickel	0.010	ND		ND					
Potassium	0.50	ND		ND					
Selenium	0.025	ND		ND					
Silver	0.0060	ND		ND					
Sodium	1.0	ND		ND					
Thallium	0.020	ND		ND					
Vanadium	0.0050	ND		ND					
Zinc	0.010	ND		0.00192	J				

Italicized analytes were not requested for this sequence.

3-IN
INSTRUMENT BLANKS
METALS

Lab Name: TestAmerica Buffalo Job No.: 480-55783-1

SDG No.:

Concentration Units: mg/L

Analyte	RL	ICB 480-170155/6 03/14/2014 10:46		CCB 480-170155/14 03/14/2014 12:23		CCB 480-170155/21 03/14/2014 12:56			
		Found	C	Found	C	Found	C	Found	C
Aluminum	0.20	ND		ND		ND			
Antimony	0.020	ND		ND		ND			
Arsenic	0.015	ND		ND		ND			
Barium	0.0020	ND		ND		ND			
Beryllium	0.0020	ND		ND		ND			
Cadmium	0.0020	ND		ND		ND			
Calcium	0.50	ND		ND		ND			
Chromium	0.0040	ND		ND		ND			
Cobalt	0.0040	ND		ND		ND			
Copper	0.010	ND		ND		ND			
Iron	0.050	ND		ND		ND			
Lead	0.010	ND		ND		ND			
Magnesium	0.20	ND		ND		ND			
Manganese	0.0030	ND		ND		ND			
Nickel	0.010	ND		ND		ND			
Potassium	0.50	ND		ND		ND			
Selenium	0.025	ND		ND		ND			
Silver	0.0060	ND		ND		ND			
Sodium	1.0	ND		ND		ND			
Thallium	0.020	ND		ND		ND			
Vanadium	0.0050	ND		ND		ND			
Zinc	0.010	ND		ND		ND			

Italicized analytes were not requested for this sequence.

3-IN
INSTRUMENT BLANKS
METALS

Lab Name: TestAmerica Buffalo Job No.: 480-55783-1

SDG No.:

Concentration Units: mg/L

Analyte	RL	ICB 480-170400/6 03/14/2014 15:32		CCB 480-170400/14 03/14/2014 21:08		CCB 480-170400/18 03/14/2014 21:42		CCB 480-170400/30 03/14/2014 22:17	
		Found	C	Found	C	Found	C	Found	C
Aluminum	0.20	ND		ND		ND		ND	
Antimony	0.020	ND		ND		ND		ND	
Arsenic	0.015	ND		ND		ND		ND	
Barium	0.0020	ND		ND		ND		ND	
Beryllium	0.0020	ND		ND		ND		ND	
Cadmium	0.0020	ND		ND		ND		ND	
Calcium	0.50	ND		ND		ND		ND	
Chromium	0.0040	ND		ND		ND		ND	
Cobalt	0.0040	ND		ND		ND		ND	
Copper	0.010	ND		ND		ND		ND	
Iron	0.050	ND		ND		ND		ND	
Lead	0.010	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	0.025	ND		ND		ND		ND	
Silver	0.0060	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.: 480-55783-1

SDG No.:

Concentration Units: mg/L

Analyte	RL	CCB 480-170400/42 03/14/2014 22:51		CCB 480-170400/52 03/14/2014 23:25					
		Found	C	Found	C	Found	C	Found	C
Aluminum	0.20	ND		ND					
Antimony	0.020	ND		ND					
Arsenic	0.015	ND		ND					
Barium	0.0020	ND		ND					
Beryllium	0.0020	ND		ND					
Cadmium	0.0020	ND		ND					
Calcium	0.50	ND		ND					
Chromium	0.0040	ND		ND					
Cobalt	0.0040	ND		ND					
Copper	0.010	ND		ND					
Iron	0.050	ND		ND					
Lead	0.010	ND		ND					
Magnesium	0.20	ND		ND					
Manganese	0.0030	ND		ND					
Nickel	0.010	ND		ND					
Potassium	0.50	ND		ND					
Selenium	0.025	ND		ND					
Silver	0.0060	ND		ND					
Sodium	1.0	ND		ND					
Thallium	0.020	ND		ND					
Vanadium	0.0050	ND		ND					
Zinc	0.010	ND		ND					

Italicized analytes were not requested for this sequence.

3-IN
INSTRUMENT BLANKS
METALS

Lab Name: TestAmerica Buffalo Job No.: 480-55783-1

SDG No.:

Concentration Units: mg/L

Analyte	RL	ICB 480-169960/2 03/13/2014 13:11		CCB 480-169960/5 03/13/2014 13:16		CCB 480-169960/17 03/13/2014 13:36		CCB 480-169960/29 03/13/2014 13:56	
		Found	C	Found	C	Found	C	Found	C
Mercury	0.00020	ND		ND		ND		ND	

Italicized analytes were not requested for this sequence.

3-IN
INSTRUMENT BLANKS
METALS

Lab Name: TestAmerica Buffalo Job No.: 480-55783-1

SDG No.:

Concentration Units: mg/L

Analyte	RL	CCB 480-169960/41 03/13/2014 14:17		CCB 480-169960/53 03/13/2014 14:38		CCB 480-169960/60 03/13/2014 14:53		CCB 480-169960/71 03/13/2014 15:18	
		Found	C	Found	C	Found	C	Found	C
Mercury	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.: 480-55783-1

SDG No.:

Concentration Units: mg/L Lab Sample ID: MB 480-169698/1-A

Instrument Code: ICAP1 Batch No.: 170155

CAS No.	Analyte	Concentration	C	Q	Method
7429-90-5	Aluminum	ND			6010C
7440-36-0	Antimony	ND			6010C
7440-38-2	Arsenic	ND			6010C
7440-39-3	Barium	ND			6010C
7440-41-7	Beryllium	ND			6010C
7440-43-9	Cadmium	ND			6010C
7440-70-2	Calcium	ND			6010C
7440-47-3	Chromium	ND			6010C
7440-48-4	Cobalt	ND			6010C
7440-50-8	Copper	ND			6010C
7439-89-6	Iron	ND			6010C
7439-92-1	Lead	ND			6010C
7439-95-4	Magnesium	ND			6010C
7439-96-5	Manganese	ND			6010C
7440-02-0	Nickel	ND			6010C
7440-09-7	Potassium	ND			6010C
7782-49-2	Selenium	ND			6010C
7440-22-4	Silver	ND			6010C
7440-23-5	Sodium	ND			6010C
7440-28-0	Thallium	ND			6010C
7440-62-2	Vanadium	ND			6010C
7440-66-6	Zinc	ND			6010C

3-IN
METHOD BLANK
METALS

Lab Name: TestAmerica Buffalo Job No.: 480-55783-1

SDG No.:

Concentration Units: mg/L Lab Sample ID: MB 480-170056/1-A

Instrument Code: ICAP1 Batch No.: 170400

CAS No.	Analyte	Concentration	C	Q	Method
7429-90-5	Aluminum	ND			6010C
7440-36-0	Antimony	ND			6010C
7440-38-2	Arsenic	ND			6010C
7440-39-3	Barium	ND			6010C
7440-41-7	Beryllium	ND			6010C
7440-43-9	Cadmium	ND			6010C
7440-70-2	Calcium	ND			6010C
7440-47-3	Chromium	ND			6010C
7440-48-4	Cobalt	ND			6010C
7440-50-8	Copper	ND			6010C
7439-89-6	Iron	ND			6010C
7439-92-1	Lead	ND			6010C
7439-95-4	Magnesium	ND			6010C
7439-96-5	Manganese	0.00139	J		6010C
7440-02-0	Nickel	ND			6010C
7440-09-7	Potassium	ND			6010C
7782-49-2	Selenium	ND			6010C
7440-22-4	Silver	ND			6010C
7440-23-5	Sodium	ND			6010C
7440-28-0	Thallium	ND			6010C
7440-62-2	Vanadium	ND			6010C
7440-66-6	Zinc	0.00155	J		6010C

3-IN
METHOD BLANK
METALS

Lab Name: TestAmerica Buffalo Job No.: 480-55783-1

SDG No.:

Concentration Units: mg/L Lab Sample ID: MB 480-169716/1-A

Instrument Code: LEEMAN2 Batch No.: 169960

CAS No.	Analyte	Concentration	C	Q	Method
7439-97-6	Mercury	ND			7470A

3-IN
METHOD BLANK
METALS

Lab Name: TestAmerica Buffalo Job No.: 480-55783-1

SDG No.:

Concentration Units: mg/L Lab Sample ID: MB 480-169814/1-A

Instrument Code: LEEMAN2 Batch No.: 169960

CAS No.	Analyte	Concentration	C	Q	Method
7439-97-6	Mercury	ND			7470A

4A-IN
INTERFERENCE CHECK STANDARD
METALS

Lab Name: TestAmerica Buffalo Job No.: 480-55783-1

SDG No.:

Lab Sample ID: ICSA 480-170104/8 Instrument ID: ICAP1

Lab File ID: I1031314B-11.asc ICS Source: MEI_07_ICSA_00062

Concentration Units: mg/L

Analyte	True	Found	
	Solution A	Solution A	Percent Recovery
Aluminum	**500**	**524**	**105**
Antimony		**0.0009**	
Arsenic		**-0.0040**	
Barium		**0.0002**	
Beryllium		**0.0000**	
Cadmium		**0.0008**	
Calcium	**500**	**473**	**95**
Chromium		**-0.0016**	
Cobalt		**-0.0006**	
Copper		**0.0040**	
Iron	**200**	**195**	**97**
Lead		**-0.0088**	
Magnesium	**500**	**512**	**102**
Manganese		**0.0035**	
Nickel		**-0.0006**	
Potassium		**0.0094**	
Selenium		**-0.0066**	
Silver		**-0.0015**	
Sodium		**0.0209**	
Thallium		**-0.0014**	
Vanadium		**0.0019**	
Zinc		**0.0010**	
Boron		*0.0002*	
Lithium		*0.0062*	
Molybdenum		*-0.0012*	
Silicon		*0.0150*	
Strontium		*0.0143*	
Sulfur		*-0.136*	
Tin		*0.0019*	
Titanium		*0.0017*	

Calculations are performed before rounding to avoid round-off errors in calculated results.

FORM IVA-IN

4A-IN
INTERFERENCE CHECK STANDARD
METALS

Lab Name: TestAmerica Buffalo Job No.: 480-55783-1

SDG No.:

Lab Sample ID: ICSAB 480-170104/9 Instrument ID: ICAP1

Lab File ID: I1031314B-11.asc ICS Source: MEI_08_ICSAB_00078

Concentration Units: mg/L

Analyte	True	Found	
	Solution AB	Solution AB	Percent Recovery
Aluminum	**501**	**512**	**102**
Antimony	**0.600**	**0.618**	**103**
Arsenic	**0.100**	**0.105**	**105**
Barium	**0.500**	**0.491**	**98**
Beryllium	**0.500**	**0.495**	**99**
Cadmium	**1.00**	**1.02**	**102**
Calcium	**501**	**463**	**92**
Chromium	**0.500**	**0.493**	**99**
Cobalt	**0.500**	**0.508**	**102**
Copper	**0.500**	**0.558**	**112**
Iron	**100**	**96.0**	**96**
Lead	**0.0500**	**0.0425**	**85**
Magnesium	**501**	**512**	**102**
Manganese	**0.500**	**0.476**	**95**
Nickel	**1.00**	**0.969**	**97**
Potassium		**-0.0046**	
Selenium	**0.0500**	**0.0520**	**104**
Silver	**0.200**	**0.225**	**113**
Sodium		**0.101**	
Thallium	**0.100**	**0.0991**	**99**
Vanadium	**0.500**	**0.519**	**104**
Zinc	**1.00**	**1.01**	**101**
Boron		*0.0052*	
Lithium	*0.500*	*0.521*	*104*
Molybdenum		*-0.0002*	
Silicon	*1.00*	*1.09*	*109*
Strontium	*0.500*	*0.501*	*100*
Sulfur	*0.500*	*0.515*	*103*
Tin		*0.0010*	
Titanium		*0.0027*	

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.: 480-55783-1

SDG No.:

Lab Sample ID: ICSA 480-170155/8 Instrument ID: ICAP1

Lab File ID: I1031414A-3.asc ICS Source: MEI_07_ICSA_00062

Concentration Units: mg/L

Analyte	True	Found	
	Solution A	Solution A	Percent Recovery
Aluminum	**500**	**534**	**107**
Antimony		**-0.0091**	
Arsenic		**-0.0055**	
Barium		**0.0003**	
Beryllium		**0.0000**	
Cadmium		**0.0007**	
Calcium	**500**	**478**	**96**
Chromium		**-0.0020**	
Cobalt		**-0.0006**	
Copper		**0.0027**	
Iron	**200**	**196**	**98**
Lead		**-0.0008**	
Magnesium	**500**	**509**	**102**
Manganese		**0.0037**	
Nickel		**0.0006**	
Potassium		**-0.0280**	
Selenium		**-0.0032**	
Silver		**-0.0020**	
Sodium		**0.0220**	
Thallium		**-0.0009**	
Vanadium		**0.0026**	
Zinc		**0.0008**	
Boron		*-0.0014*	
Lithium		*0.0047*	
Molybdenum		*-0.0013*	
Silicon		*0.0039*	
Strontium		*0.0146*	
Sulfur		*-0.0976*	
Tin		*0.0008*	
Titanium		*0.0019*	

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.: 480-55783-1

SDG No.:

Lab Sample ID: ICSAB 480-170155/9 Instrument ID: ICAP1

Lab File ID: I1031414A-3.asc ICS Source: MEI_08_ICSAB_00078

Concentration Units: mg/L

Analyte	True	Found	
	Solution AB	Solution AB	Percent Recovery
Aluminum	**501**	**526**	**105**
Antimony	**0.600**	**0.612**	**102**
Arsenic	**0.100**	**0.108**	**108**
Barium	**0.500**	**0.506**	**101**
Beryllium	**0.500**	**0.520**	**104**
Cadmium	**1.00**	**1.03**	**103**
Calcium	**501**	**471**	**94**
Chromium	**0.500**	**0.498**	**100**
Cobalt	**0.500**	**0.517**	**103**
Copper	**0.500**	**0.570**	**114**
Iron	**100**	**97.2**	**97**
Lead	**0.0500**	**0.0499**	**100**
Magnesium	**501**	**508**	**101**
Manganese	**0.500**	**0.488**	**98**
Nickel	**1.00**	**1.00**	**100**
Potassium		**0.0221**	
Selenium	**0.0500**	**0.0527**	**105**
Silver	**0.200**	**0.229**	**114**
Sodium		**0.0803**	
Thallium	**0.100**	**0.102**	**102**
Vanadium	**0.500**	**0.504**	**101**
Zinc	**1.00**	**0.976**	**98**
Boron		*0.0040*	
Lithium	*0.500*	*0.544*	*109*
Molybdenum		*0.0003*	
Silicon	*1.00*	*1.08*	*108*
Strontium	*0.500*	*0.514*	*103*
Sulfur	*0.500*	*0.558*	*112*
Tin		*-0.0010*	
Titanium		*0.0025*	

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.: 480-55783-1

SDG No.:

Lab Sample ID: ICSA 480-170400/8 Instrument ID: ICAP1

Lab File ID: I1031414B-8.asc ICS Source: MEI_07_ICSA_00062

Concentration Units: mg/L

Analyte	True	Found	
	Solution A	Solution A	Percent Recovery
Aluminum	**500**	**534**	**107**
Antimony		**-0.0072**	
Arsenic		**-0.0040**	
Barium		**0.0003**	
Beryllium		**0.0000**	
Cadmium		**0.0008**	
Calcium	**500**	**475**	**95**
Chromium		**-0.0011**	
Cobalt		**-0.0008**	
Copper		**0.0027**	
Iron	**200**	**192**	**96**
Lead		**-0.0019**	
Magnesium	**500**	**505**	**101**
Manganese		**0.0036**	
Nickel		**0.0000**	
Potassium		**-0.0062**	
Selenium		**-0.0032**	
Silver		**-0.0011**	
Sodium		**0.0194**	
Thallium		**-0.0012**	
Vanadium		**0.0031**	
Zinc		**0.0001**	
Boron		*-0.0004*	
Lithium		*0.0039*	
Molybdenum		*-0.0011*	
Silicon		*-0.0109*	
Strontium		*0.0145*	
Sulfur		*-0.0854*	
Tin		*0.0014*	
Titanium		*0.0014*	

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.: 480-55783-1

SDG No.:

Lab Sample ID: ICSAB 480-170400/9 Instrument ID: ICAP1

Lab File ID: I1031414B-8.asc ICS Source: MEI_08_ICSAB_00078

Concentration Units: mg/L

Analyte	True Solution AB	Found Solution AB	Found Percent Recovery
Aluminum	**501**	**521**	**104**
Antimony	**0.600**	**0.609**	**102**
Arsenic	**0.100**	**0.112**	**112**
Barium	**0.500**	**0.503**	**101**
Beryllium	**0.500**	**0.517**	**103**
Cadmium	**1.00**	**1.05**	**105**
Calcium	**501**	**462**	**92**
Chromium	**0.500**	**0.488**	**98**
Cobalt	**0.500**	**0.517**	**103**
Copper	**0.500**	**0.560**	**112**
Iron	**100**	**94.3**	**94**
Lead	**0.0500**	**0.0499**	**100**
Magnesium	**501**	**507**	**101**
Manganese	**0.500**	**0.485**	**97**
Nickel	**1.00**	**1.00**	**100**
Potassium		**0.0134**	
Selenium	**0.0500**	**0.0574**	**115**
Silver	**0.200**	**0.228**	**114**
Sodium		**0.0686**	
Thallium	**0.100**	**0.104**	**104**
Vanadium	**0.500**	**0.500**	**100**
Zinc	**1.00**	**0.963**	**96**
Boron		*0.0043*	
Lithium	*0.500*	*0.533*	*107*
Molybdenum		*-0.0004*	
Silicon	*1.00*	*1.05*	*105*
Strontium	*0.500*	*0.504*	*101*
Sulfur	*0.500*	*0.561*	*112*
Tin		*0.0007*	
Titanium		*0.0028*	

Calculations are performed before rounding to avoid round-off errors in calculated results.

FORM IVA-IN

7A-IN
LAB CONTROL SAMPLE
METALS

Lab ID: LCS 480-169698/2-A

Lab Name: TestAmerica Buffalo Job No.: 480-55783-1

Sample Matrix: Water LCS Source: MED_02_W2_00016

Analyte	Water(mg/L)							
	True	Found	C	%R	Limits		Q	Method
Aluminum	10.0	10.20		102	80	120		6010C
Antimony	0.200	0.203		102	80	120		6010C
Arsenic	0.200	0.213		107	80	120		6010C
Barium	0.200	0.208		104	80	120		6010C
Beryllium	0.200	0.208		104	80	120		6010C
Cadmium	0.200	0.207		104	80	120		6010C
Calcium	10.0	9.83		98	80	120		6010C
Chromium	0.200	0.200		100	80	120		6010C
Cobalt	0.200	0.203		101	80	120		6010C
Copper	0.200	0.209		105	80	120		6010C
Iron	10.0	10.05		100	80	120		6010C
Lead	0.200	0.202		101	80	120		6010C
Magnesium	10.0	10.36		104	80	120		6010C
Manganese	0.200	0.206		103	80	120		6010C
Nickel	0.200	0.208		104	80	120		6010C
Potassium	10.0	10.19		102	80	120		6010C
Selenium	0.200	0.210		105	80	120		6010C
Silver	0.0500	0.0502		100	80	120		6010C
Sodium	10.0	10.12		101	80	120		6010C
Thallium	0.200	0.204		102	80	120		6010C
Vanadium	0.200	0.205		102	80	120		6010C
Zinc	0.200	0.197		98	80	120		6010C

Calculations are performed before rounding to avoid round-off errors in calculated results.

FORM VIIA - IN

7A-IN
LAB CONTROL SAMPLE
METALS

Lab ID: LCS 480-170056/2-A

Lab Name: TestAmerica Buffalo Job No.: 480-55783-1

Sample Matrix: Water LCS Source: MED_02_W2_00016

Analyte	Water(mg/L)							
	True	Found	C	%R	Limits		Q	Method
Aluminum	10.0	10.03		100	80	120		6010C
Antimony	0.200	0.199		100	80	120		6010C
Arsenic	0.200	0.207		104	80	120		6010C
Barium	0.200	0.204		102	80	120		6010C
Beryllium	0.200	0.208		104	80	120		6010C
Cadmium	0.200	0.197		98	80	120		6010C
Calcium	10.0	9.69		97	80	120		6010C
Chromium	0.200	0.198		99	80	120		6010C
Cobalt	0.200	0.196		98	80	120		6010C
Copper	0.200	0.197		99	80	120		6010C
Iron	10.0	10.08		101	80	120		6010C
Lead	0.200	0.198		99	80	120		6010C
Magnesium	10.0	10.23		102	80	120		6010C
Manganese	0.200	0.204		102	80	120		6010C
Nickel	0.200	0.195		98	80	120		6010C
Potassium	10.0	9.79		98	80	120		6010C
Selenium	0.200	0.202		101	80	120		6010C
Silver	0.0500	0.0493		99	80	120		6010C
Sodium	10.0	9.61		96	80	120		6010C
Thallium	0.200	0.203		101	80	120		6010C
Vanadium	0.200	0.197		98	80	120		6010C
Zinc	0.200	0.194		97	80	120		6010C

Calculations are performed before rounding to avoid round-off errors in calculated results.

FORM VIIA - IN

7A-IN
LAB CONTROL SAMPLE
METALS

Lab ID: LCS 480-169716/2-A

Lab Name: TestAmerica Buffalo Job No.: 480-55783-1

Sample Matrix: Water LCS Source: MEH_HG2_WKG_00590

Analyte	Water(mg/L)							
	True	Found	C	%R	Limits		Q	Method
Mercury	0.00667	0.00667		100	80	120		7470A

Calculations are performed before rounding to avoid round-off errors in calculated results.

FORM VIIA - IN

7A-IN
LAB CONTROL SAMPLE
METALS

Lab ID: LCS 480-169814/2-A

Lab Name: TestAmerica Buffalo Job No.: 480-55783-1

Sample Matrix: Water LCS Source: MEH_HG2_WKG_00591

Analyte	Water(mg/L)							
	True	Found	C	%R	Limits		Q	Method
Mercury	0.00667	0.00608		91	80	120		7470A

Calculations are performed before rounding to avoid round-off errors in calculated results.

FORM VIIA - IN

9-IN
DETECTION LIMITS
METALS

Lab Name: TestAmerica Buffalo Job Number: 480-55783-1

SDG Number:

Matrix: Water Instrument ID: ICAP1

Method: 6010C MDL Date: 07/17/2013 11:47

Prep Method: 3005A

Analyte	Wavelength/ Mass	RL (mg/L)	MDL (mg/L)
Aluminum	308.215	0.2	0.06
Antimony	206.833	0.02	0.00679
Arsenic	189.042	0.015	0.00555
Barium	455.403	0.002	0.0007
Beryllium	313.042	0.002	0.0003
Cadmium	228.802	0.002	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	0.01	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	0.025	0.0087
Silver	328.068	0.006	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
CALIBRATION BLANK DETECTION LIMITS
METALS

Lab Name: TestAmerica Buffalo Job Number: 480-55783-1

SDG Number:

Matrix: Water Instrument ID: ICAP1

Method: 6010C XMDL Date: 07/17/2013 11:47

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	0.015	0.00555
Barium	455.403	0.002	0.0007
Beryllium	313.042	0.002	0.0003
Cadmium	228.802	0.002	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	0.01	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	0.025	0.0087
Silver	328.068	0.006	0.0017
Sodium	589.592	1	0.324
Thallium	190.856	0.02	0.01024
Vanadium	292.402	0.005	0.0015
Zinc	206.2	0.01	0.0015

9-IN
DETECTION LIMITS
METALS

Lab Name: TestAmerica Buffalo Job Number: 480-55783-1

SDG Number:

Matrix: Water Instrument ID: LEEMAN2

Method: 7470A MDL Date: 01/28/2010 00:00

Prep Method: 7470A

Analyte	Wavelength/ Mass	RL (mg/L)	MDL (mg/L)
Mercury	253.7	0.0002	0.00012

9-IN
CALIBRATION BLANK DETECTION LIMITS
METALS

Lab Name: TestAmerica Buffalo Job Number: 480-55783-1

SDG Number:

Matrix: Water Instrument ID: LEEMAN2

Method: 7470A XMDL Date: 01/28/2010 00:00

Analyte	Wavelength/ Mass	XRL (mg/L)	XMDL (mg/L)
Mercury	253.7	0.0002	0.00012

11-IN
LINEAR RANGES
METALS

Lab Name: TestAmerica Buffalo Job No: 480-55783-1

SDG No.:

Instrument ID: ICAP1 Date: 03/07/2014 15:41

Analyte	Integ. Time (Sec.)	Concentration (mg/L)	Method
Aluminum	15	1000	6010C
Antimony	15	50	6010C
Arsenic	15	40	6010C
Barium	15	10	6010C
Beryllium	15	25	6010C
Cadmium	15	5	6010C
Calcium	15	1000	6010C
Chromium	15	40	6010C
Cobalt	15	20	6010C
Copper	15	20	6010C
Iron	15	800	6010C
Lead	15	120	6010C
Magnesium	15	500	6010C
Manganese	15	50	6010C
Nickel	15	20	6010C
Potassium	15	600	6010C
Selenium	15	50	6010C
Silver	15	2	6010C
Sodium	15	5000	6010C
Thallium	15	40	6010C
Vanadium	15	50	6010C
Zinc	15	20	6010C

11-IN
LINEAR RANGES
METALS

Lab Name: TestAmerica Buffalo Job No: 480-55783-1

SDG No.:

Instrument ID: LEEMAN2 Date: 02/06/2014 08:36

Analyte	Integ. Time (Sec.)	Concentration (ug/L)	Method
Mercury	10	10	7470A

12-IN
PREPARATION LOG
METALS

Lab Name: TestAmerica Buffalo Job No.: 480-55783-1

SDG No.:

Prep Method: 3005A

Lab Sample ID	Preparation Date	Prep Batch	Initial Weight	Initial Volume (mL)	Final Volume (mL)
MB 480-169698/1-A	03/12/2014 09:30	169698		50	50
LCS 480-169698/2-A	03/12/2014 09:30	169698		50	50
480-55783-1	03/12/2014 09:30	169698		50	50
480-55783-2	03/12/2014 09:30	169698		50	50

12-IN
PREPARATION LOG
METALS

Lab Name: TestAmerica Buffalo Job No.: 480-55783-1

SDG No.:

Prep Method: 3005A

Lab Sample ID	Preparation Date	Prep Batch	Initial Weight	Initial Volume (mL)	Final Volume (mL)
MB 480-170056/1-A	03/14/2014 09:15	170056		50	50
LCS 480-170056/2-A	03/14/2014 09:15	170056		50	50
480-55880-1	03/14/2014 09:15	170056		50	50
480-55880-2	03/14/2014 09:15	170056		50	50
480-55880-3	03/14/2014 09:15	170056		50	50

12-IN
PREPARATION LOG
METALS

Lab Name: TestAmerica Buffalo Job No.: 480-55783-1

SDG No.:

Prep Method: 7470A

Lab Sample ID	Preparation Date	Prep Batch	Initial Weight	Initial Volume (mL)	Final Volume (mL)
MB 480-169716/1-A	03/12/2014 09:05	169716		30	50
LCS 480-169716/2-A	03/12/2014 09:05	169716		30	50
480-55783-1	03/12/2014 09:05	169716		30	50
480-55783-2	03/12/2014 09:05	169716		30	50

12-IN
PREPARATION LOG
METALS

Lab Name: TestAmerica Buffalo Job No.: 480-55783-1

SDG No.:

Prep Method: 7470A

Lab Sample ID	Preparation Date	Prep Batch	Initial Weight	Initial Volume (mL)	Final Volume (mL)
MB 480-169814/1-A	03/13/2014 08:30	169814		30	50
LCS 480-169814/2-A	03/13/2014 08:30	169814		30	50
480-55880-1	03/13/2014 08:30	169814		30	50
480-55880-2	03/13/2014 08:30	169814		30	50
480-55880-3	03/13/2014 08:30	169814		30	50

13-IN
ANALYSIS RUN LOG
METALS

Lab Name: TestAmerica Buffalo Job No.: 480-55783-1

SDG No.:

Instrument ID: ICAP1 Method: 6010C

Start Date: 03/13/2014 17:27 End Date: 03/14/2014 01:34

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 480-170104/1			17:27	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
IC 480-170104/2			17:30	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
IC 480-170104/3			17:32	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
IC 480-170104/4			17:35	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
ICV 480-170104/5	1		17:38	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
ICB 480-170104/6	1		17:41	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
ICVL 480-170104/7	1		17:44	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
ICSA 480-170104/8	1		17:46	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
ICSAB 480-170104/9	1		17:49	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
CCV 480-170104/10			17:52																				
CCB 480-170104/11			17:55																				
CCVL 480-170104/12			17:58																				
CCV 480-170104/13	1		23:12	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
CCB 480-170104/14	1		23:15	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
CCVL 480-170104/15	1		23:17	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
LCS 480-169698/2-A	1	T	23:40	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
ZZZZZZ			23:43																				
CCV 480-170104/18	1		23:46	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
CCB 480-170104/19	1		23:48	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
CCVL 480-170104/20	1		23:51	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
ZZZZZZ			23:54																				
ZZZZZZ			23:57																				
ZZZZZZ			00:00																				
ZZZZZZ			00:03																				
ZZZZZZ			00:05																				
ZZZZZZ			00:08																				
ZZZZZZ			00:11																				
ZZZZZZ			00:14																				
ZZZZZZ			00:17																				
CCV 480-170104/30	1		00:19	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
CCB 480-170104/31	1		00:22	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
CCVL 480-170104/32	1		00:25	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
ZZZZZZ			00:28																				
ZZZZZZ			00:31																				
ZZZZZZ			00:34																				
ZZZZZZ			00:37																				
ZZZZZZ			00:40																				
ZZZZZZ			00:43																				
ZZZZZZ			00:46																				
ZZZZZZ			00:49																				
ZZZZZZ			00:52																				
CCV 480-170104/42	1		00:54	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.: 480-55783-1

SDG No.:

Instrument ID: ICAP1 Method: 6010C

Start Date: 03/13/2014 17:27 End Date: 03/14/2014 01:34

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
CCB 480-170104/43	1		00:57	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
CCVL 480-170104/44	1		01:00	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
ZZZZZZ			01:03																				
ZZZZZZ			01:06																				
480-55783-1	1	T	01:08	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
480-55783-2	1	T	01:11	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
CCV 480-170104/49	1		01:29	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
CCB 480-170104/50	1		01:32	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
CCVL 480-170104/51	1		01:34	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.: 480-55783-1

SDG No.:

Instrument ID: ICAP1 Method: 6010C

Start Date: 03/13/2014 17:27 End Date: 03/14/2014 01:34

Lab Sample ID	D / F	Type	Time	Analytes																			
				V	Zn																		
IC 480-170104/1			17:27	X	X																		
IC 480-170104/2			17:30	X	X																		
IC 480-170104/3			17:32	X	X																		
IC 480-170104/4			17:35	X	X																		
ICV 480-170104/5	1		17:38	X	X																		
ICB 480-170104/6	1		17:41	X	X																		
ICVL 480-170104/7	1		17:44	X	X																		
ICSA 480-170104/8	1		17:46	X	X																		
ICSAB 480-170104/9	1		17:49	X	X																		
CCV 480-170104/10			17:52																				
CCB 480-170104/11			17:55																				
CCVL 480-170104/12			17:58																				
CCV 480-170104/13	1		23:12	X	X																		
CCB 480-170104/14	1		23:15	X	X																		
CCVL 480-170104/15	1		23:17	X	X																		
LCS 480-169698/2-A	1	T	23:40	X	X																		
ZZZZZZ			23:43																				
CCV 480-170104/18	1		23:46	X	X																		
CCB 480-170104/19	1		23:48	X	X																		
CCVL 480-170104/20	1		23:51	X	X																		
ZZZZZZ			23:54																				
ZZZZZZ			23:57																				
ZZZZZZ			00:00																				
ZZZZZZ			00:03																				
ZZZZZZ			00:05																				
ZZZZZZ			00:08																				
ZZZZZZ			00:11																				
ZZZZZZ			00:14																				
ZZZZZZ			00:17																				
CCV 480-170104/30	1		00:19	X	X																		
CCB 480-170104/31	1		00:22	X	X																		
CCVL 480-170104/32	1		00:25	X	X																		
ZZZZZZ			00:28																				
ZZZZZZ			00:31																				
ZZZZZZ			00:34																				
ZZZZZZ			00:37																				
ZZZZZZ			00:40																				
ZZZZZZ			00:43																				
ZZZZZZ			00:46																				
ZZZZZZ			00:49																				
ZZZZZZ			00:52																				
CCV 480-170104/42	1		00:54	X	X																		

13-IN
ANALYSIS RUN LOG
METALS

Lab Name: TestAmerica Buffalo Job No.: 480-55783-1

SDG No.:

Instrument ID: ICAP1 Method: 6010C

Start Date: 03/13/2014 17:27 End Date: 03/14/2014 01:34

Lab Sample ID	D / F	Type	Time	Analytes																			
				V	Zn																		
CCB 480-170104/43	1		00:57	X	X																		
CCVL 480-170104/44	1		01:00	X	X																		
ZZZZZZ			01:03																				
ZZZZZZ			01:06																				
480-55783-1	1	T	01:08	X	X																		
480-55783-2	1	T	01:11	X	X																		
CCV 480-170104/49	1		01:29	X	X																		
CCB 480-170104/50	1		01:32	X	X																		
CCVL 480-170104/51	1		01:34	X	X																		

Prep Types

T = Total/NA

13-IN
ANALYSIS RUN LOG
METALS

Lab Name: TestAmerica Buffalo Job No.: 480-55783-1

SDG No.:

Instrument ID: ICAP1 Method: 6010C

Start Date: 03/14/2014 10:33 End Date: 03/14/2014 12:59

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 480-170155/1			10:33	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
IC 480-170155/2			10:35	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
IC 480-170155/3			10:38	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
IC 480-170155/4			10:41	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
ICV 480-170155/5	1		10:44	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
ICB 480-170155/6	1		10:46	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
ICVL 480-170155/7	1		10:49	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
ICSA 480-170155/8	1		10:52	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
ICSAB 480-170155/9	1		10:55	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
CCV 480-170155/10			10:58																				
CCB 480-170155/11			11:01																				
CCVL 480-170155/12			11:03																				
CCV 480-170155/13	1		12:20	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
CCB 480-170155/14	1		12:23	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
CCVL 480-170155/15	1		12:26	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
MB 480-169698/1-A	1	T	12:29	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
ZZZZZZ			12:31																				
ZZZZZZ			12:34																				
ZZZZZZ			12:37																				
CCV 480-170155/20	1		12:54	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
CCB 480-170155/21	1		12:56	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
CCVL 480-170155/22	1		12:59	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.: 480-55783-1

SDG No.:

Instrument ID: ICAP1 Method: 6010C

Start Date: 03/14/2014 10:33 End Date: 03/14/2014 12:59

Lab Sample ID	D / F	Type	Time	Analytes																			
				V	Zn																		
IC 480-170155/1			10:33	X	X																		
IC 480-170155/2			10:35	X	X																		
IC 480-170155/3			10:38	X	X																		
IC 480-170155/4			10:41	X	X																		
ICV 480-170155/5	1		10:44	X	X																		
ICB 480-170155/6	1		10:46	X	X																		
ICVL 480-170155/7	1		10:49	X	X																		
ICSA 480-170155/8	1		10:52	X	X																		
ICSAB 480-170155/9	1		10:55	X	X																		
CCV 480-170155/10			10:58																				
CCB 480-170155/11			11:01																				
CCVL 480-170155/12			11:03																				
CCV 480-170155/13	1		12:20	X	X																		
CCB 480-170155/14	1		12:23	X	X																		
CCVL 480-170155/15	1		12:26	X	X																		
MB 480-169698/1-A	1	T	12:29	X	X																		
ZZZZZZ			12:31																				
ZZZZZZ			12:34																				
ZZZZZZ			12:37																				
CCV 480-170155/20	1		12:54	X	X																		
CCB 480-170155/21	1		12:56	X	X																		
CCVL 480-170155/22	1		12:59	X	X																		

Prep Types

T = Total/NA

13-IN
ANALYSIS RUN LOG
METALS

Lab Name: TestAmerica Buffalo Job No.: 480-55783-1

SDG No.:

Instrument ID: ICAP1 Method: 6010C

Start Date: 03/14/2014 15:18 End Date: 03/14/2014 23:28

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 480-170400/1			15:18	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
IC 480-170400/2			15:21	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
IC 480-170400/3			15:24	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
IC 480-170400/4			15:27	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
ICV 480-170400/5	1		15:29	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
ICB 480-170400/6	1		15:32	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
ICVL 480-170400/7	1		15:35	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
ICSA 480-170400/8	1		15:38	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
ICSAB 480-170400/9	1		15:41	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
CCV 480-170400/10			15:43																				
CCB 480-170400/11			15:46																				
CCVL 480-170400/12			15:49																				
CCV 480-170400/13	1		21:05	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
CCB 480-170400/14	1		21:08	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
CCVL 480-170400/15	1		21:11	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
MB 480-170056/1-A	1	T	21:36	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
CCV 480-170400/17	1		21:39	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
CCB 480-170400/18	1		21:42	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
CCVL 480-170400/19	1		21:45	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
LCS 480-170056/2-A	1	T	21:48	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
ZZZZZZ			21:50																				
ZZZZZZ			21:53																				
ZZZZZZ			21:56																				
ZZZZZZ			21:59																				
ZZZZZZ			22:02																				
ZZZZZZ			22:05																				
ZZZZZZ			22:08																				
ZZZZZZ			22:11																				
CCV 480-170400/29	1		22:14	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
CCB 480-170400/30	1		22:17	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
CCVL 480-170400/31	1		22:20	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
ZZZZZZ			22:23																				
ZZZZZZ			22:25																				
ZZZZZZ			22:28																				
ZZZZZZ			22:31																				
ZZZZZZ			22:34																				
ZZZZZZ			22:37																				
ZZZZZZ			22:40																				
ZZZZZZ			22:43																				
480-55880-1	1	T	22:46	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
CCV 480-170400/41	1		22:48	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
CCB 480-170400/42	1		22:51	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.: 480-55783-1

SDG No.:

Instrument ID: ICAP1 Method: 6010C

Start Date: 03/14/2014 15:18 End Date: 03/14/2014 23:28

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
CCVL 480-170400/43	1		22:54	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
480-55880-2	1	T	22:57	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
480-55880-3	1	T	23:00	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
ZZZZZZ			23:02																				
ZZZZZZ			23:05																				
ZZZZZZ			23:08																				
ZZZZZZ			23:11																				
ZZZZZZ			23:14																				
CCV 480-170400/51	1		23:22	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
CCB 480-170400/52	1		23:25	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
CCVL 480-170400/53	1		23:28	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.: 480-55783-1

SDG No.:

Instrument ID: ICAP1 Method: 6010C

Start Date: 03/14/2014 15:18 End Date: 03/14/2014 23:28

Lab Sample ID	D / F	Type	Time	Analytes																			
				V	Zn																		
IC 480-170400/1			15:18	X	X																		
IC 480-170400/2			15:21	X	X																		
IC 480-170400/3			15:24	X	X																		
IC 480-170400/4			15:27	X	X																		
ICV 480-170400/5	1		15:29	X	X																		
ICB 480-170400/6	1		15:32	X	X																		
ICVL 480-170400/7	1		15:35	X	X																		
ICSA 480-170400/8	1		15:38	X	X																		
ICSAB 480-170400/9	1		15:41	X	X																		
CCV 480-170400/10			15:43																				
CCB 480-170400/11			15:46																				
CCVL 480-170400/12			15:49																				
CCV 480-170400/13	1		21:05	X	X																		
CCB 480-170400/14	1		21:08	X	X																		
CCVL 480-170400/15	1		21:11	X	X																		
MB 480-170056/1-A	1	T	21:36	X	X																		
CCV 480-170400/17	1		21:39	X	X																		
CCB 480-170400/18	1		21:42	X	X																		
CCVL 480-170400/19	1		21:45	X	X																		
LCS 480-170056/2-A	1	T	21:48	X	X																		
ZZZZZZ			21:50																				
ZZZZZZ			21:53																				
ZZZZZZ			21:56																				
ZZZZZZ			21:59																				
ZZZZZZ			22:02																				
ZZZZZZ			22:05																				
ZZZZZZ			22:08																				
ZZZZZZ			22:11																				
CCV 480-170400/29	1		22:14	X	X																		
CCB 480-170400/30	1		22:17	X	X																		
CCVL 480-170400/31	1		22:20	X	X																		
ZZZZZZ			22:23																				
ZZZZZZ			22:25																				
ZZZZZZ			22:28																				
ZZZZZZ			22:31																				
ZZZZZZ			22:34																				
ZZZZZZ			22:37																				
ZZZZZZ			22:40																				
ZZZZZZ			22:43																				
480-55880-1	1	T	22:46	X	X																		
CCV 480-170400/41	1		22:48	X	X																		
CCB 480-170400/42	1		22:51	X	X																		

13-IN
ANALYSIS RUN LOG
METALS

Lab Name: TestAmerica Buffalo Job No.: 480-55783-1

SDG No.:

Instrument ID: ICAP1 Method: 6010C

Start Date: 03/14/2014 15:18 End Date: 03/14/2014 23:28

Lab Sample ID	D / F	Type	Time	Analytes																			
				V	Zn																		
CCVL 480-170400/43	1		22:54	X	X																		
480-55880-2	1	T	22:57	X	X																		
480-55880-3	1	T	23:00	X	X																		
ZZZZZZ			23:02																				
ZZZZZZ			23:05																				
ZZZZZZ			23:08																				
ZZZZZZ			23:11																				
ZZZZZZ			23:14																				
CCV 480-170400/51	1		23:22	X	X																		
CCB 480-170400/52	1		23:25	X	X																		
CCVL 480-170400/53	1		23:28	X	X																		

Prep Types

T = Total/NA

13-IN
ANALYSIS RUN LOG
METALS

Lab Name: TestAmerica Buffalo Job No.: 480-55783-1

SDG No.:

Instrument ID: LEEMAN2 Method: 7470A

Start Date: 03/13/2014 13:09 End Date: 03/13/2014 15:18

Lab Sample ID	D/F	Type	Time	Analytes																			
				Hg																			
ICV 480-169960/1	1		13:09	X																			
ICB 480-169960/2	1		13:11	X																			
ICVL 480-169960/3	1		13:12	X																			
CCV 480-169960/4	1		13:14	X																			
CCB 480-169960/5	1		13:16	X																			
MB 480-169716/1-A	1	T	13:17	X																			
LCS 480-169716/2-A	1	T	13:19	X																			
ZZZZZZ			13:21																				
ZZZZZZ			13:23																				
ZZZZZZ			13:24																				
ZZZZZZ			13:26																				
ZZZZZZ			13:28																				
ZZZZZZ			13:29																				
ZZZZZZ			13:31																				
ZZZZZZ			13:33																				
CCV 480-169960/16	1		13:35	X																			
CCB 480-169960/17	1		13:36	X																			
ZZZZZZ			13:38																				
ZZZZZZ			13:39																				
ZZZZZZ			13:41																				
ZZZZZZ			13:43																				
ZZZZZZ			13:45																				
ZZZZZZ			13:46																				
ZZZZZZ			13:48																				
ZZZZZZ			13:50																				
ZZZZZZ			13:52																				
480-55783-1	1	T	13:53	X																			
CCV 480-169960/28	1		13:55	X																			
CCB 480-169960/29	1		13:56	X																			
480-55783-2	1	T	13:58	X																			
ZZZZZZ			14:00																				
ZZZZZZ			14:01																				
ZZZZZZ			14:03																				
ZZZZZZ			14:05																				
MB 480-169814/1-A	1	T	14:07	X																			
LCS 480-169814/2-A	1	T	14:08	X																			
ZZZZZZ			14:10																				
ZZZZZZ			14:12																				
ZZZZZZ			14:14																				
CCV 480-169960/40	1		14:15	X																			
CCB 480-169960/41	1		14:17	X																			
ZZZZZZ			14:19																				

13-IN
ANALYSIS RUN LOG
METALS

Lab Name: TestAmerica Buffalo Job No.: 480-55783-1

SDG No.:

Instrument ID: LEEMAN2 Method: 7470A

Start Date: 03/13/2014 13:09 End Date: 03/13/2014 15:18

Lab Sample ID	D / F	Type	Time	Analytes																				
				Hg																				
ZZZZZZ			14:20																					
ZZZZZZ			14:22																					
ZZZZZZ			14:24																					
ZZZZZZ			14:25																					
ZZZZZZ			14:27																					
ZZZZZZ			14:28																					
ZZZZZZ			14:30																					
ZZZZZZ			14:32																					
ZZZZZZ			14:34																					
CCV 480-169960/52	1		14:36	X																				
CCB 480-169960/53	1		14:38	X																				
ZZZZZZ			14:39																					
ZZZZZZ			14:41																					
ZZZZZZ			14:42																					
ZZZZZZ			14:44																					
CCVL 480-169960/58	1		14:49	X																				
CCV 480-169960/59	1		14:51	X																				
CCB 480-169960/60	1		14:53	X																				
480-55880-1	1	T	14:55	X																				
480-55880-2	1	T	14:57	X																				
480-55880-3	1	T	14:59	X																				
ZZZZZZ			15:00																					
ZZZZZZ			15:02																					
ZZZZZZ			15:03																					
ZZZZZZ			15:11																					
ZZZZZZ			15:12																					
CCVL 480-169960/69	1		15:14	X																				
CCV 480-169960/70	1		15:16	X																				
CCB 480-169960/71	1		15:18	X																				

Prep Types

T = Total/NA

Run File: I1031314B Instrument: ICAP1

Analyst: AMH Data Review: AMH 3/14/14

Spikes IDs: 1730804(W1), 1730739 (W2),1886662(Sn), 1890567(Ag), 1905940(Si), 1320125(TCLP)

Pipette IDs: 12-16-13-(1-7,8,10,13,14)
Internal Standard:1925761

Seq#	Run File ID	Sample ID	Date / Time	Type
1	I1031314B	IC-1929749	03/13/14 05:27 PM	Standard
2	I1031314B	IC-1910562	03/13/14 05:30 PM	Standard
3	I1031314B	IC-1925065	03/13/14 05:32 PM	Standard
4	I1031314B	IC-1925063	03/13/14 05:35 PM	Standard
5	I1031314B	ICV-1929659	03/13/14 05:38 PM	QC
6	I1031314B	ICB-1929749	03/13/14 05:41 PM	QC
7	I1031314B	ICVL-1925066	03/13/14 05:44 PM	QC
8	I1031314B	ICSA-1918476	03/13/14 05:46 PM	QC
9	I1031314B	ICSAB-1910692	03/13/14 05:49 PM	QC
10	I1031314B	CCV-1929646	03/13/14 05:52 PM	QC
11	I1031314B	CCB-1929749	03/13/14 05:55 PM	QC
12	I1031314B	CCVL-1925066	03/13/14 05:58 PM	QC
13	I1031314B	LCS 480-169072/3-A	03/13/14 06:01 PM	Unknown
14	I1031314B	480-55378-A-8-B@2	03/13/14 06:03 PM	Unknown
15	I1031314B	CCV	03/13/14 06:06 PM	QC
16	I1031314B	CCB	03/13/14 06:09 PM	QC
17	I1031314B	CCVL	03/13/14 06:12 PM	QC
18	I1031314B	480-55378-A-8-B@5	03/13/14 06:15 PM	Unknown
19	I1031314B	480-55666-E-2-A	03/13/14 06:18 PM	Unknown
20	I1031314B	480-55666-E-2-A@2	03/13/14 06:21 PM	Unknown
21	I1031314B	480-55666-E-2-A@5	03/13/14 06:24 PM	Unknown
22	I1031314B	LCS 480-168587/2-A	03/13/14 06:26 PM	Unknown
23	I1031314B	480-54841-E-7-B@5	03/13/14 06:29 PM	Unknown
24	I1031314B	480-55444-D-1-A@5	03/13/14 06:32 PM	Unknown
25	I1031314B	RB	03/13/14 06:35 PM	Unknown
26	I1031314B	RB	03/13/14 06:38 PM	Unknown
27	I1031314B	CCV	03/13/14 06:41 PM	QC
28	I1031314B	CCB	03/13/14 06:44 PM	QC
29	I1031314B	CCVL	03/13/14 06:46 PM	QC
30	I1031314B	480-55339-B-2-A@5	03/13/14 06:49 PM	Unknown
31	I1031314B	480-55339-B-2-A@10	03/13/14 06:52 PM	Unknown
32	I1031314B	480-55339-B-2-A@20	03/13/14 06:55 PM	Unknown
33	I1031314B	RB	03/13/14 06:58 PM	Unknown
34	I1031314B	RB	03/13/14 07:01 PM	Unknown
35	I1031314B	RB	03/13/14 07:04 PM	Unknown
36	I1031314B	55343-3 tot raw	03/13/14 07:07 PM	Unknown
37	I1031314B	55343-4 tot raw	03/13/14 07:10 PM	Unknown
38	I1031314B	MB 480-167907/1-C	03/13/14 07:13 PM	Unknown
39	I1031314B	CCV	03/13/14 07:16 PM	QC
40	I1031314B	CCB	03/13/14 07:18 PM	QC

41	I1031314B	CCVL	03/13/14 07:21 PM	QC
42	I1031314B	LCS 480-167907/2-C	03/13/14 07:24 PM	Unknown
43	I1031314B	480-55329-A-1-A	03/13/14 07:27 PM	Unknown
44	I1031314B	55329-A-1-A SD@5	03/13/14 07:30 PM	Unknown
45	I1031314B	480-55329-A-1-A PDS	03/13/14 07:32 PM	Unknown
46	I1031314B	480-55329-A-1-B MS	03/13/14 07:35 PM	Unknown
47	I1031314B	480-55329-A-1-C MSD	03/13/14 07:38 PM	Unknown
48	I1031314B	480-55329-A-2-A	03/13/14 07:41 PM	Unknown
49	I1031314B	480-55329-A-3-A	03/13/14 07:44 PM	Unknown
50	I1031314B	480-55329-A-4-A	03/13/14 07:46 PM	Unknown
51	I1031314B	CCV	03/13/14 07:49 PM	QC
52	I1031314B	CCB	03/13/14 07:52 PM	QC
53	I1031314B	CCVL	03/13/14 07:55 PM	QC
54	I1031314B	480-55329-A-5-A	03/13/14 07:58 PM	Unknown
55	I1031314B	480-55329-A-6-A	03/13/14 08:00 PM	Unknown
56	I1031314B	480-55184-J-8-C	03/13/14 08:03 PM	Unknown
57	I1031314B	480-55184-J-10-G	03/13/14 08:06 PM	Unknown
58	I1031314B	55184-J-10-G SD@5	03/13/14 08:09 PM	Unknown
59	I1031314B	480-55184-J-10-G PDS	03/13/14 08:12 PM	Unknown
60	I1031314B	480-55184-J-10-H MS	03/13/14 08:14 PM	Unknown
61	I1031314B	480-55184-J-10-I MSD	03/13/14 08:17 PM	Unknown
62	I1031314B	480-55205-F-2-C@5	03/13/14 08:20 PM	Unknown
63	I1031314B	CCV	03/13/14 08:23 PM	QC
64	I1031314B	CCB	03/13/14 08:26 PM	QC
65	I1031314B	CCVL	03/13/14 08:28 PM	QC
66	I1031314B	MB 480-168192/1-A	03/13/14 08:31 PM	Unknown
67	I1031314B	LCS 480-168192/2-A	03/13/14 08:34 PM	Unknown
68	I1031314B	480-55329-B-1-A	03/13/14 08:37 PM	Unknown
69	I1031314B	480-55329-B-1-A SD@5	03/13/14 08:40 PM	Unknown
70	I1031314B	480-55329-B-1-A PDS	03/13/14 08:42 PM	Unknown
71	I1031314B	480-55329-B-1-B MS	03/13/14 08:45 PM	Unknown
72	I1031314B	480-55329-B-1-C MSD	03/13/14 08:48 PM	Unknown
73	I1031314B	480-55329-B-2-A	03/13/14 08:51 PM	Unknown
74	I1031314B	480-55329-B-3-A	03/13/14 08:53 PM	Unknown
75	I1031314B	CCV	03/13/14 08:56 PM	QC
76	I1031314B	CCB	03/13/14 08:59 PM	QC
77	I1031314B	CCVL	03/13/14 09:02 PM	QC
78	I1031314B	480-55329-B-4-A	03/13/14 09:05 PM	Unknown
79	I1031314B	480-55329-B-5-A	03/13/14 09:08 PM	Unknown
80	I1031314B	480-55329-B-6-A	03/13/14 09:10 PM	Unknown
81	I1031314B	55306-2 tot raw	03/13/14 09:13 PM	Unknown
82	I1031314B	480-55549-D-1-A@5	03/13/14 09:16 PM	Unknown
83	I1031314B	RB	03/13/14 09:19 PM	Unknown
84	I1031314B	RB	03/13/14 09:22 PM	Unknown
85	I1031314B	55566-4 tot raw	03/13/14 09:25 PM	Unknown
86	I1031314B	LB 480-169601/1-B	03/13/14 09:28 PM	Unknown
87	I1031314B	CCV	03/13/14 09:31 PM	QC
88	I1031314B	CCB	03/13/14 09:33 PM	QC
89	I1031314B	CCVL	03/13/14 09:36 PM	QC
90	I1031314B	MB 480-169720/2-A	03/13/14 09:39 PM	Unknown

91	I1031314B	LCS 480-169720/3-A	03/13/14 09:42 PM	Unknown
92	I1031314B	480-55724-A-1-B	03/13/14 09:45 PM	Unknown
93	I1031314B	480-55724-A-1-B SD@5	03/13/14 09:48 PM	Unknown
94	I1031314B	480-55724-A-1-B PDS	03/13/14 09:50 PM	Unknown
95	I1031314B	480-55724-A-1-C MS	03/13/14 09:53 PM	Unknown
96	I1031314B	480-55724-A-1-D MSD	03/13/14 09:56 PM	Unknown
97	I1031314B	MB 480-168898/19-B	03/13/14 09:59 PM	Unknown
98	I1031314B	LCS 480-168898/20-B	03/13/14 10:02 PM	Unknown
99	I1031314B	CCV	03/13/14 10:05 PM	QC
100	I1031314B	CCB	03/13/14 10:07 PM	QC
101	I1031314B	CCVL	03/13/14 10:10 PM	QC
102	I1031314B	480-55787-A-1-A	03/13/14 10:13 PM	Unknown
103	I1031314B	480-55787-A-1-A SD@5	03/13/14 10:16 PM	Unknown
104	I1031314B	480-55787-A-1-A PDS	03/13/14 10:19 PM	Unknown
105	I1031314B	480-55787-A-1-B MS	03/13/14 10:21 PM	Unknown
106	I1031314B	480-55787-A-1-C MSD	03/13/14 10:24 PM	Unknown
107	I1031314B	480-55787-A-2-A	03/13/14 10:27 PM	Unknown
108	I1031314B	480-55787-A-3-A	03/13/14 10:30 PM	Unknown
109	I1031314B	480-55787-A-4-A	03/13/14 10:33 PM	Unknown
110	I1031314B	480-55787-A-5-A	03/13/14 10:35 PM	Unknown
111	I1031314B	CCV	03/13/14 10:38 PM	QC
112	I1031314B	CCB	03/13/14 10:41 PM	QC
113	I1031314B	CCVL	03/13/14 10:44 PM	QC
114	I1031314B	480-55787-A-6-A	03/13/14 10:47 PM	Unknown
115	I1031314B	480-55787-A-7-A	03/13/14 10:50 PM	Unknown
116	I1031314B	480-55787-A-8-A	03/13/14 10:52 PM	Unknown
117	I1031314B	480-55787-A-9-A	03/13/14 10:55 PM	Unknown
118	I1031314B	480-55787-A-10-A	03/13/14 10:58 PM	Unknown
119	I1031314B	480-55787-A-11-A	03/13/14 11:01 PM	Unknown
120	I1031314B	480-55787-A-12-A	03/13/14 11:03 PM	Unknown
121	I1031314B	480-55775-A-1-A	03/13/14 11:06 PM	Unknown
122	I1031314B	480-54879-B-2-B	03/13/14 11:09 PM	Unknown
123	I1031314B	CCV	03/13/14 11:12 PM	QC
124	I1031314B	CCB	03/13/14 11:15 PM	QC
125	I1031314B	CCVL	03/13/14 11:17 PM	QC
126	I1031314B	480-54879-B-3-B	03/13/14 11:20 PM	Unknown
127	I1031314B	480-54885-D-9-E	03/13/14 11:23 PM	Unknown
128	I1031314B	480-55812-G-1-A	03/13/14 11:26 PM	Unknown
129	I1031314B	480-55812-G-2-A	03/13/14 11:29 PM	Unknown
130	I1031314B	480-55812-G-3-A	03/13/14 11:32 PM	Unknown
131	I1031314B	480-55812-G-4-A	03/13/14 11:34 PM	Unknown
132	I1031314B	MB 480-169698/1-A	03/13/14 11:37 PM	Unknown
133	I1031314B	LCS 480-169698/2-A	03/13/14 11:40 PM	Unknown
134	I1031314B	480-55779-D-1-A	03/13/14 11:43 PM	Unknown
135	I1031314B	CCV	03/13/14 11:46 PM	QC
136	I1031314B	CCB	03/13/14 11:48 PM	QC
137	I1031314B	CCVL	03/13/14 11:51 PM	QC
138	I1031314B	480-55779-D-1-A SD@5	03/13/14 11:54 PM	Unknown
139	I1031314B	480-55779-D-1-A PDS	03/13/14 11:57 PM	Unknown
140	I1031314B	480-55779-D-1-B MS	03/14/14 12:00 AM	Unknown

141	I1031314B	480-55779-D-1-C MSD	03/14/14 12:03 AM	Unknown
142	I1031314B	480-55779-D-2-A	03/14/14 12:05 AM	Unknown
143	I1031314B	480-55779-D-3-A	03/14/14 12:08 AM	Unknown
144	I1031314B	480-55779-D-4-A	03/14/14 12:11 AM	Unknown
145	I1031314B	480-55780-D-1-A	03/14/14 12:14 AM	Unknown
146	I1031314B	480-55780-D-2-A	03/14/14 12:17 AM	Unknown
147	I1031314B	CCV	03/14/14 12:19 AM	QC
148	I1031314B	CCB	03/14/14 12:22 AM	QC
149	I1031314B	CCVL	03/14/14 12:25 AM	QC
150	I1031314B	480-55782-A-1-A	03/14/14 12:28 AM	Unknown
151	I1031314B	480-55782-A-2-A	03/14/14 12:31 AM	Unknown
152	I1031314B	480-55782-A-3-A	03/14/14 12:34 AM	Unknown
153	I1031314B	480-55490-D-2-B	03/14/14 12:37 AM	Unknown
154	I1031314B	480-55389-E-1-B	03/14/14 12:40 AM	Unknown
155	I1031314B	480-55389-E-2-B	03/14/14 12:43 AM	Unknown
156	I1031314B	480-55389-E-5-B	03/14/14 12:46 AM	Unknown
157	I1031314B	480-54959-D-1-B	03/14/14 12:49 AM	Unknown
158	I1031314B	480-54959-D-2-B	03/14/14 12:52 AM	Unknown
159	I1031314B	CCV	03/14/14 12:54 AM	QC
160	I1031314B	CCB	03/14/14 12:57 AM	QC
161	I1031314B	CCVL	03/14/14 01:00 AM	QC
162	I1031314B	480-54971-E-2-B	03/14/14 01:03 AM	Unknown
163	I1031314B	480-54948-D-2-B	03/14/14 01:06 AM	Unknown
164	I1031314B	480-55783-I-1-A	03/14/14 01:08 AM	Unknown
165	I1031314B	480-55783-I-2-A	03/14/14 01:11 AM	Unknown
166	I1031314B	LB 480-169323/1-E	03/14/14 01:14 AM	Unknown
167	I1031314B	MB 480-169688/2-A	03/14/14 01:17 AM	Unknown
168	I1031314B	LCS 480-169688/3-A	03/14/14 01:20 AM	Unknown
169	I1031314B	480-55277-A-1-C	03/14/14 01:23 AM	Unknown
170	I1031314B	RB	03/14/14 01:26 AM	Unknown
171	I1031314B	CCV	03/14/14 01:29 AM	QC
172	I1031314B	CCB	03/14/14 01:32 AM	QC
173	I1031314B	CCVL	03/14/14 01:34 AM	QC
174	I1031314B	480-55320-A-1-J	03/14/14 01:37 AM	Unknown
175	I1031314B	RB	03/14/14 01:40 AM	Unknown
176	I1031314B	RB	03/14/14 01:43 AM	Unknown
177	I1031314B	480-55342-A-1-C	03/14/14 01:46 AM	Unknown
178	I1031314B	480-55498-B-1-F	03/14/14 01:49 AM	Unknown
179	I1031314B	480-55498-B-1-F SD@5	03/14/14 01:52 AM	Unknown
180	I1031314B	480-55498-B-1-F PDS	03/14/14 01:55 AM	Unknown
181	I1031314B	480-55498-B-1-G MS	03/14/14 01:58 AM	Unknown
182	I1031314B	480-55498-B-1-H MSD	03/14/14 02:01 AM	Unknown
183	I1031314B	CCV	03/14/14 02:04 AM	QC
184	I1031314B	CCB	03/14/14 02:07 AM	QC
185	I1031314B	CCVL	03/14/14 02:10 AM	QC
186	I1031314B	480-55520-A-1-C	03/14/14 02:13 AM	Unknown
187	I1031314B	480-55520-A-2-C	03/14/14 02:16 AM	Unknown
188	I1031314B	480-55520-A-3-C	03/14/14 02:19 AM	Unknown
189	I1031314B	480-55520-A-4-C	03/14/14 02:22 AM	Unknown
190	I1031314B	480-55520-A-5-C	03/14/14 02:25 AM	Unknown

191	I1031314B	480-55588-A-1-L	03/14/14 02:28 AM	Unknown
192	I1031314B	480-55588-A-2-K	03/14/14 02:31 AM	Unknown
193	I1031314B	480-55595-A-1-B	03/14/14 02:33 AM	Unknown
194	I1031314B	480-55620-A-1-I	03/14/14 02:36 AM	Unknown
195	I1031314B	CCV	03/14/14 02:39 AM	QC
196	I1031314B	CCB	03/14/14 02:42 AM	QC
197	I1031314B	CCVL	03/14/14 02:45 AM	QC
198	I1031314B	MB 480-169718/1-A	03/14/14 02:48 AM	Unknown
199	I1031314B	LCSSRM 480-169718/2-	03/14/14 02:51 AM	Unknown
200	I1031314B	480-55428-C-1-H	03/14/14 02:54 AM	Unknown
201	I1031314B	480-55428-C-1-H SD@5	03/14/14 02:56 AM	Unknown
202	I1031314B	480-55428-C-1-H PDS	03/14/14 02:59 AM	Unknown
203	I1031314B	480-55428-C-1-I MS	03/14/14 03:02 AM	Unknown
204	I1031314B	480-55428-C-1-J MSD	03/14/14 03:05 AM	Unknown
205	I1031314B	480-55428-C-2-D	03/14/14 03:08 AM	Unknown
206	I1031314B	480-55428-B-3-D	03/14/14 03:11 AM	Unknown
207	I1031314B	CCV	03/14/14 03:14 AM	QC
208	I1031314B	CCB	03/14/14 03:17 AM	QC
209	I1031314B	480-55428-B-4-D	03/14/14 03:19 AM	Unknown
210	I1031314B	CCVL	03/14/14 03:22 AM	QC
211	I1031314B	480-55428-A-5-D	03/14/14 03:25 AM	Unknown
212	I1031314B	480-55428-C-6-C	03/14/14 03:28 AM	Unknown
213	I1031314B	480-55428-B-7-D	03/14/14 03:31 AM	Unknown
214	I1031314B	480-55428-B-8-D	03/14/14 03:34 AM	Unknown
215	I1031314B	480-55162-B-8-C	03/14/14 03:37 AM	Unknown
216	I1031314B	RB	03/14/14 03:40 AM	Unknown
217	I1031314B	RB	03/14/14 03:42 AM	Unknown
218	I1031314B	RB	03/14/14 03:45 AM	Unknown
219	I1031314B	CCV	03/14/14 03:48 AM	QC
220	I1031314B	CCB	03/14/14 03:51 AM	QC
221	I1031314B	CCVL	03/14/14 03:54 AM	QC
222	I1031314B	CCVL-1918297	03/14/14 03:57 AM	QC
223	I1031314B	MB 480-169718/1-A	03/14/14 03:59 AM	Unknown
224	I1031314B	LCSSRM 480-169718/2-	03/14/14 04:02 AM	Unknown
225	I1031314B	480-55489-A-1-L	03/14/14 04:05 AM	Unknown
226	I1031314B	480-55489-A-2-F	03/14/14 04:08 AM	Unknown
227	I1031314B	480-55489-A-3-F	03/14/14 04:11 AM	Unknown
228	I1031314B	480-55489-A-4-F	03/14/14 04:13 AM	Unknown
229	I1031314B	480-55489-A-5-F	03/14/14 04:16 AM	Unknown
230	I1031314B	480-55489-A-6-F	03/14/14 04:19 AM	Unknown
231	I1031314B	CCV	03/14/14 04:22 AM	QC
232	I1031314B	CCB	03/14/14 04:24 AM	QC
233	I1031314B	CCVL-1918297	03/14/14 04:27 AM	QC
234	I1031314B	CCVL-1921738	03/14/14 04:30 AM	QC
235	I1031314B	MB 480-169834/1-A	03/14/14 04:33 AM	Unknown
236	I1031314B	LCSSRM 480-169834/2-	03/14/14 04:36 AM	Unknown
237	I1031314B	480-55676-B-1-D	03/14/14 04:39 AM	Unknown
238	I1031314B	480-55676-A-2-A	03/14/14 04:41 AM	Unknown
239	I1031314B	480-55676-A-3-D	03/14/14 04:44 AM	Unknown
240	I1031314B	480-55676-B-4-A	03/14/14 04:47 AM	Unknown

241	I1031314B	480-55676-A-6-E	03/14/14 04:50 AM	Unknown
242	I1031314B	480-55676-A-7-I	03/14/14 04:53 AM	Unknown
243	I1031314B	CCV	03/14/14 04:56 AM	QC
244	I1031314B	CCB	03/14/14 04:59 AM	QC
245	I1031314B	CCVL	03/14/14 05:02 AM	QC
246	I1031314B	480-55676-B-8-F	03/14/14 05:05 AM	Unknown
247	I1031314B	480-55676-B-9-A	03/14/14 05:07 AM	Unknown
248	I1031314B	480-55676-A-10-M	03/14/14 05:10 AM	Unknown
249	I1031314B	55676-A-10-M SD@5	03/14/14 05:13 AM	Unknown
250	I1031314B	480-55676-A-10-M PDS	03/14/14 05:16 AM	Unknown
251	I1031314B	480-55676-A-10-N MS	03/14/14 05:19 AM	Unknown
252	I1031314B	480-55676-A-10-O MSD	03/14/14 05:22 AM	Unknown
253	I1031314B	480-55676-B-11-A	03/14/14 05:25 AM	Unknown
254	I1031314B	480-55676-B-12-A	03/14/14 05:28 AM	Unknown
255	I1031314B	CCV	03/14/14 05:31 AM	QC
256	I1031314B	CCB	03/14/14 05:34 AM	QC
257	I1031314B	CCVL	03/14/14 05:37 AM	QC
258	I1031314B	480-55676-A-13-A	03/14/14 05:40 AM	Unknown
259	I1031314B	480-55676-A-16-A	03/14/14 05:43 AM	Unknown
260	I1031314B	480-55676-B-17-B	03/14/14 05:46 AM	Unknown
261	I1031314B	480-55676-A-18-A	03/14/14 05:49 AM	Unknown
262	I1031314B	RB	03/14/14 05:51 AM	Unknown
263	I1031314B	RB	03/14/14 05:54 AM	Unknown
264	I1031314B	CCVL	03/14/14 05:57 AM	QC
265	I1031314B	ICSA-1918476	03/14/14 06:00 AM	QC
266	I1031314B	ICSAB-1910692	03/14/14 06:03 AM	QC
267	I1031314B	CCV	03/14/14 06:06 AM	QC
268	I1031314B	CCB	03/14/14 06:09 AM	QC
269	I1031314B	CCV	03/14/14 06:11 AM	QC
270	I1031314B	CCB	03/14/14 06:14 AM	QC

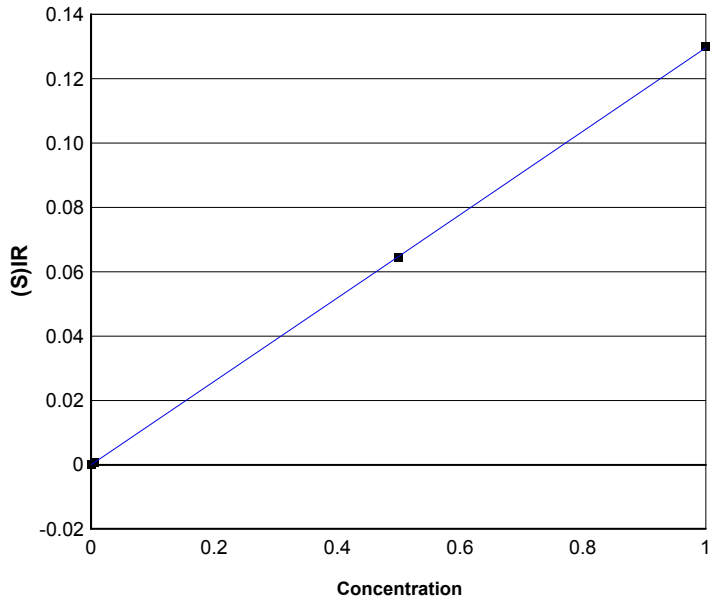
I1031314B

Author: AMH

Published: 3/14/2014 10:09:18AM

Instrument Name: iCAP1 Serial Number: 20094603

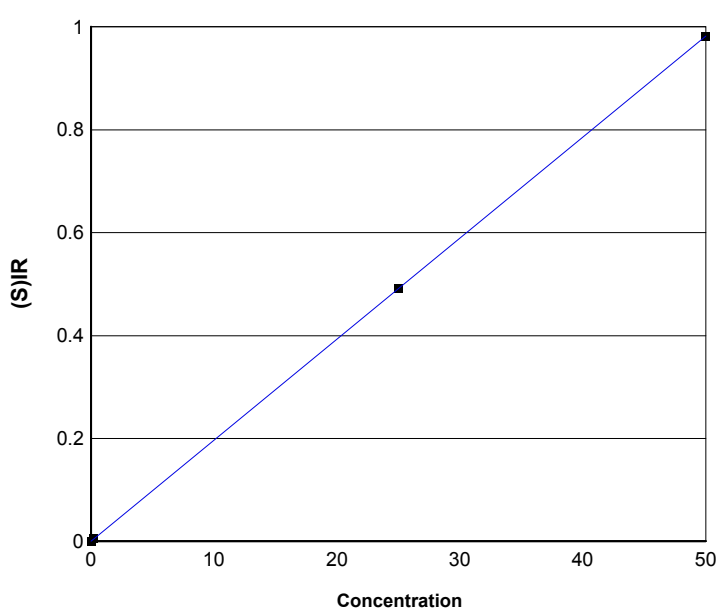
Method Name: ICAP1 New RLs at low cal point (1)



Element Name:	Ag
Element Wavelength:	Ag 328.068 nm
Concentration Units:	ppm
Date of Calibration:	3/13/2014 5:38:26PM
Date of Fit:	3/13/2014 5:38:26PM
Type of Fit:	Linear
Correlation:	0.99998
A0 (Offset):	-0.00010574
A1 (Gain):	0.12979
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

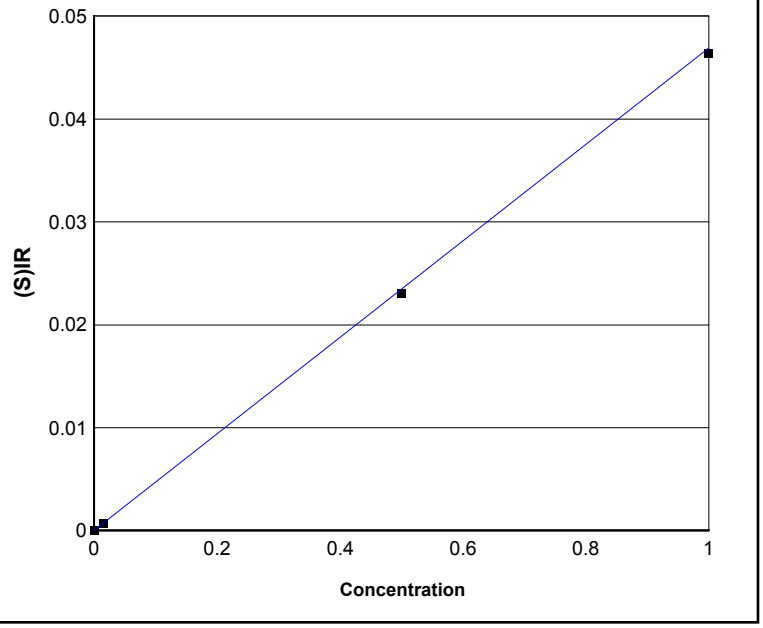
Standard Name	Stated	Found	Diff	% Diff	(S)IR	Stddev	Emphasis
IC1	0.00000	0.0000001575	0.0000001575	0.00000	-0.00010572	0.00010792	1
IC4	1.0000	1.0039	0.0039304	0.39304	0.13023	0.00015779	1
IC2	0.0060000	0.0058644	-0.00013559	-2.2599	0.00065552	0.000020855	1
IC3	0.50000	0.49621	-0.0037948	-0.75896	0.064315	0.00018511	1



Element Name:	Al
Element Wavelength:	Al 308.215 nm
Concentration Units:	ppm
Date of Calibration:	3/13/2014 5:38:26PM
Date of Fit:	3/13/2014 5:38:26PM
Type of Fit:	Linear
Correlation:	1.00000
A0 (Offset):	0.00043719
A1 (Gain):	0.019634
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

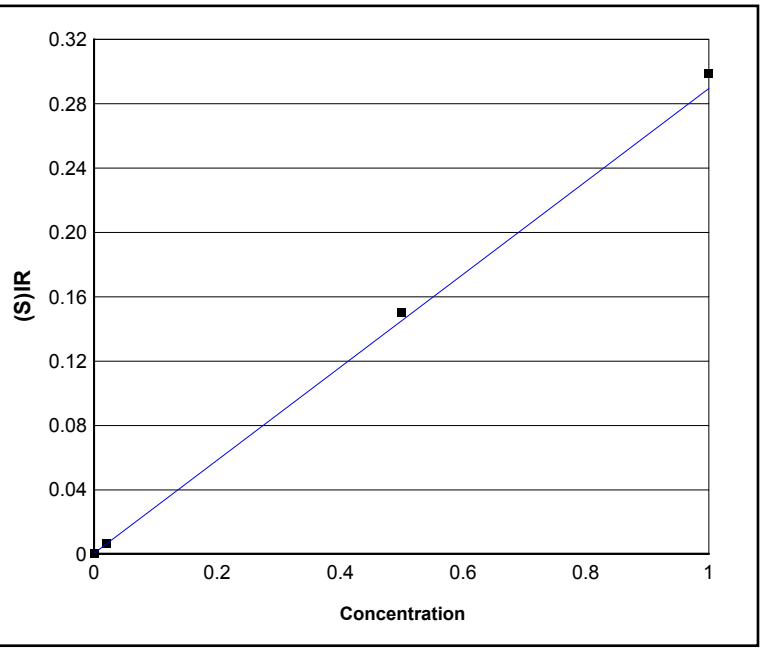
Standard Name	Stated	Found	Diff	% Diff	(S)IR	Stddev	Emphasis
IC1	0.00000	0.0000096108	-0.0000096108	0.00000	0.00043701	0.00020345	1
IC4	50.000	49.931	-0.068543	-0.13709	0.98101	0.00096141	1
IC2	0.20000	0.20941	0.0094120	4.7060	0.0045499	0.00017042	1
IC3	25.000	25.059	0.059131	0.23652	0.49256	0.0016889	1



Element Name:	As
Element Wavelength:	As 189.042 nm
Concentration Units:	ppm
Date of Calibration:	3/13/2014 5:38:26PM
Date of Fit:	3/13/2014 5:38:26PM
Type of Fit:	Linear
Correlation:	0.99999
A0 (Offset):	0.000030740
A1 (Gain):	0.046887
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

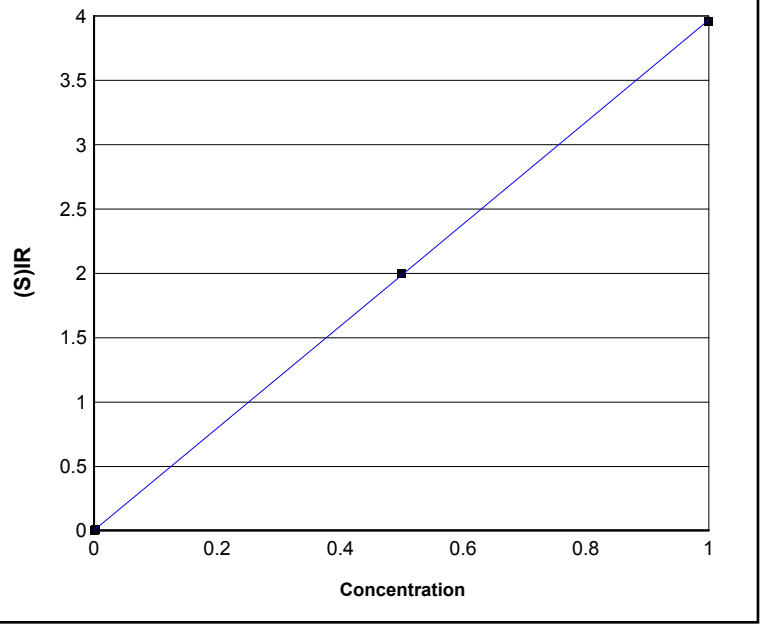
Standard Name	Stated	Found	Diff	% Diff	(S)IR	Stddev	Emphasis
IC1	0.00000	0.0000003005	0.0000003005	0.00000	0.000030754	0.000033931	1
IC4	1.0000	1.0022	0.0022305	0.22305	0.046381	0.000054188	1
IC2	0.015000	0.014725	-0.00027537	-1.8358	0.00071857	0.000011768	1
IC3	0.50000	0.49805	-0.0019523	-0.39046	0.023062	0.0000061422	1



Element Name:	B
Element Wavelength:	B 208.959 nm
Concentration Units:	ppm
Date of Calibration:	3/13/2014 5:38:26PM
Date of Fit:	3/13/2014 5:38:26PM
Type of Fit:	Linear
Correlation:	1.00000
A0 (Offset):	0.00055110
A1 (Gain):	0.28908
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

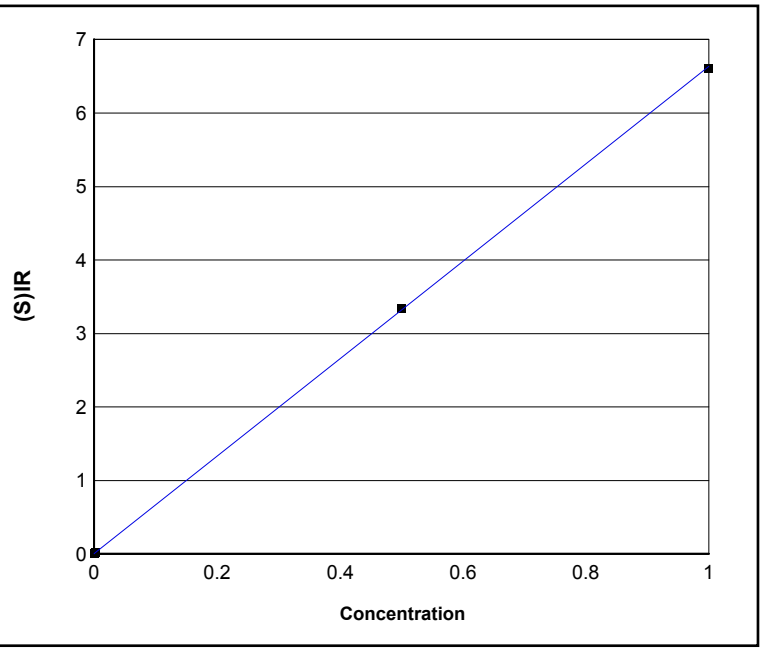
Standard Name	Stated	Found	Diff	% Diff	(S)IR	Stddev	Emphasis
IC1	0.00000	0.0000000794	-0.0000000794	0.00000	0.00055107	0.000056849	1
IC4	1.0000	0.99841	-0.0015904	-0.15904	0.29873	0.00020626	1
IC2	0.020000	0.020050	0.000049591	0.24796	0.0064426	0.000056888	1
IC3	0.50000	0.50154	0.0015416	0.30832	0.15031	0.00016627	1



Element Name:	Ba
Element Wavelength:	Ba 455.403 nm
Concentration Units:	ppm
Date of Calibration:	3/13/2014 5:38:26PM
Date of Fit:	3/13/2014 5:38:26PM
Type of Fit:	Linear
Correlation:	0.99999
A0 (Offset):	0.00021393
A1 (Gain):	3.9694
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

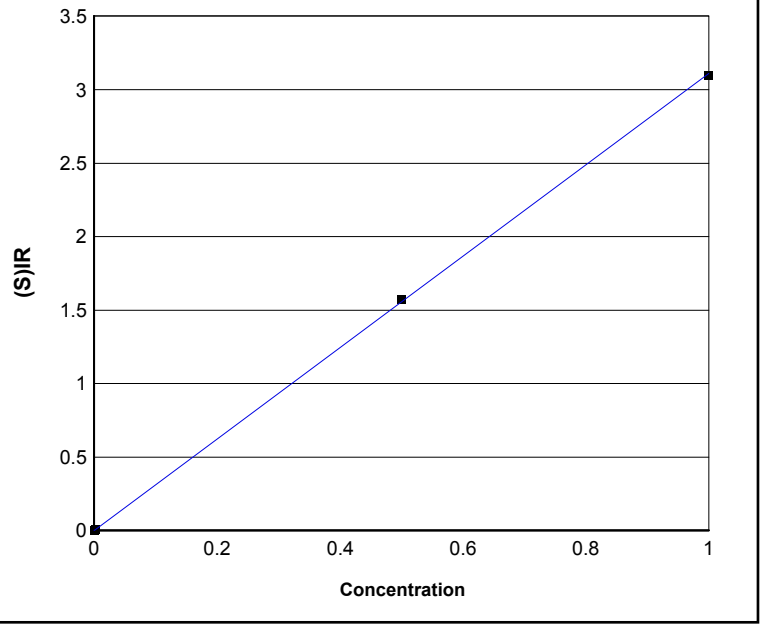
Standard Name	Stated	Found	Diff	% Diff	(S)IR	Stddev	Emphasis
IC1	0.00000	0.0000000580	-0.0000000580	0.00000	0.00021370	0.00020184	1
IC4	1.0000	0.99714	-0.0028566	-0.28566	3.9582	0.0051293	1
IC2	0.0020000	0.0020525	0.000052475	2.6238	0.0083609	0.00025980	1
IC3	0.50000	0.50280	0.0028041	0.56082	1.9960	0.00095997	1



Element Name:	Ba
Element Wavelength:	Ba 455.403 nm
Concentration Units:	ppm
Date of Calibration:	3/13/2014 5:38:26PM
Date of Fit:	3/13/2014 5:38:26PM
Type of Fit:	Linear
Correlation:	0.99999
A0 (Offset):	0.00086360
A1 (Gain):	6.6311
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

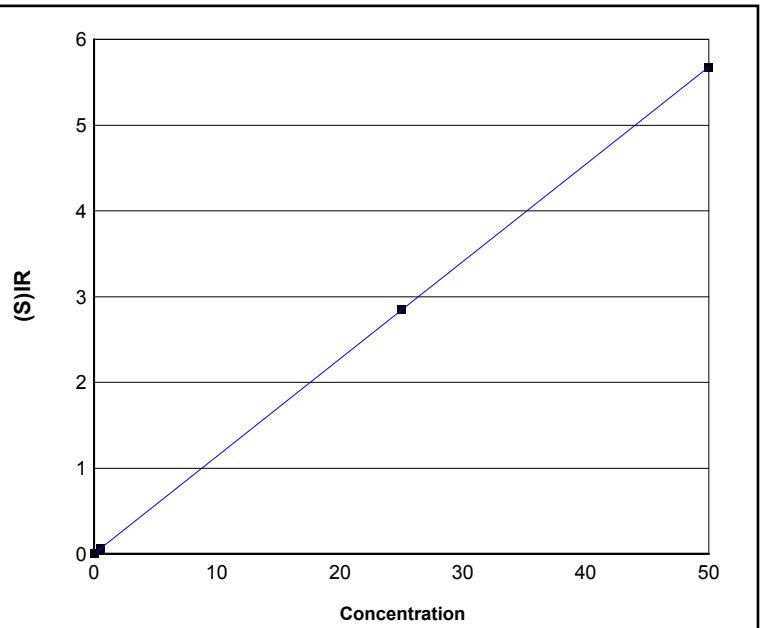
Standard Name	Stated	Found	Diff	% Diff	(S)IR	Stddev	Emphasis
IC1	0.00000	0.0000001313	-0.0000001313	0.00000	0.00086273	0.000010083	1
IC4	1.0000	0.99689	-0.0031125	-0.31125	6.6114	0.049203	1
IC2	0.0020000	0.0021256	0.00012561	6.2805	0.014959	0.00011189	1
IC3	0.50000	0.50299	0.0029869	0.59737	3.3362	0.00037069	1



Element Name:	Be
Element Wavelength:	Be 313.042 nm
Concentration Units:	ppm
Date of Calibration:	3/13/2014 5:38:26PM
Date of Fit:	3/13/2014 5:38:26PM
Type of Fit:	Linear
Correlation:	0.99998
A0 (Offset):	0.000076422
A1 (Gain):	3.1111
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

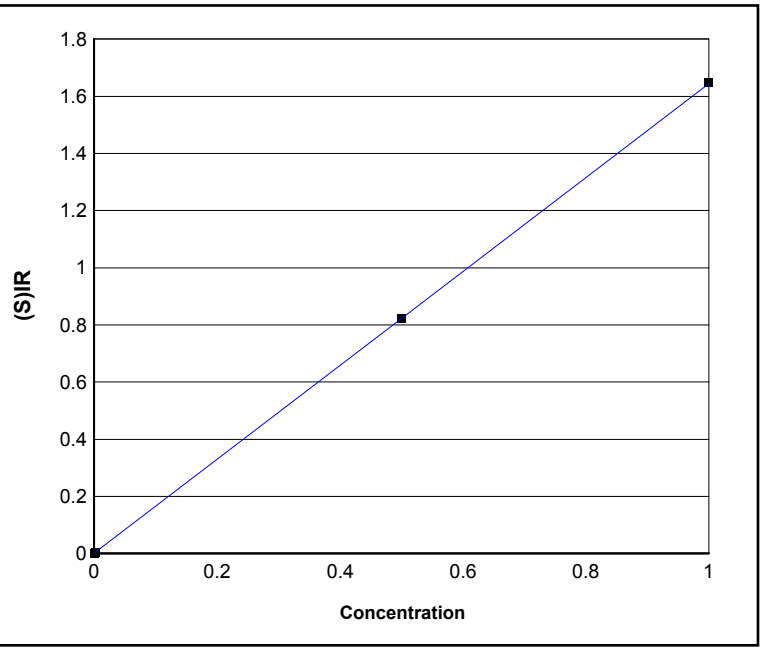
Standard Name	Stated	Found	Diff	% Diff	(S)IR	Stddev	Emphasis
IC1	0.00000	0.0000000990	-0.0000000990	0.00000	0.000076114	0.000088008	1
IC4	1.0000	0.99522	-0.0047836	-0.47836	3.0949	0.0018572	1
IC2	0.0020000	0.0020897	0.000089744	4.4872	0.0065705	0.00019801	1
IC3	0.50000	0.50469	0.0046940	0.93879	1.5695	0.00024688	1



Element Name:	Ca
Element Wavelength:	Ca 317.933 nm
Concentration Units:	ppm
Date of Calibration:	3/13/2014 5:38:26PM
Date of Fit:	3/13/2014 5:38:26PM
Type of Fit:	Linear
Correlation:	0.99999
A0 (Offset):	0.0048329
A1 (Gain):	0.11354
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

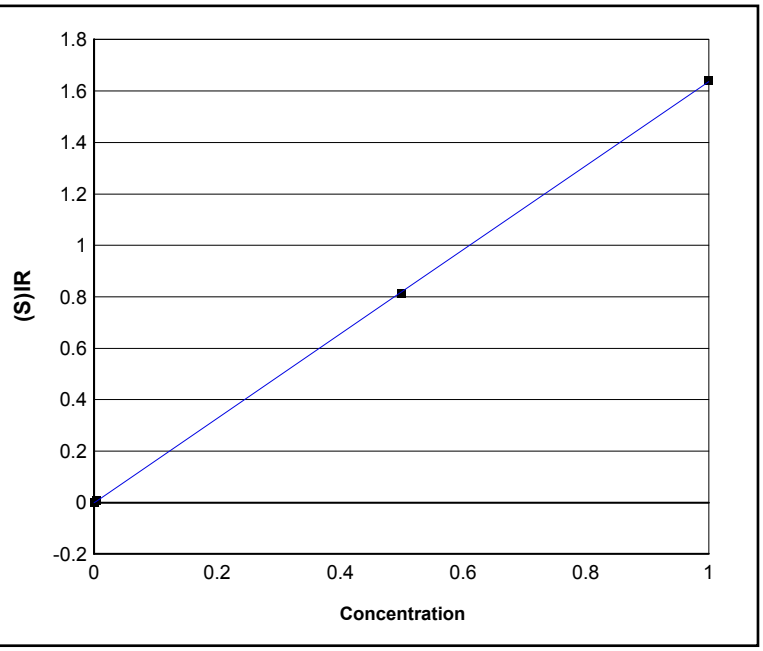
Standard Name	Stated	Found	Diff	% Diff	(S)IR	Stddev	Emphasis
IC1	0.00000	0.0000051395	0.0000051395	0.00000	0.0048335	0.00049914	1
IC4	50.000	49.886	-0.11432	-0.22863	5.6690	0.0017543	1
IC2	0.50000	0.49359	-0.0064108	-1.2822	0.060876	0.00010626	1
IC3	25.000	25.121	0.12073	0.48291	2.8571	0.00072722	1



Element Name:	Cd
Element Wavelength:	Cd 228.802 nm
Concentration Units:	ppm
Date of Calibration:	3/13/2014 5:38:26PM
Date of Fit:	3/13/2014 5:38:26PM
Type of Fit:	Linear
Correlation:	1.00000
A0 (Offset):	0.0011166
A1 (Gain):	1.6436
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

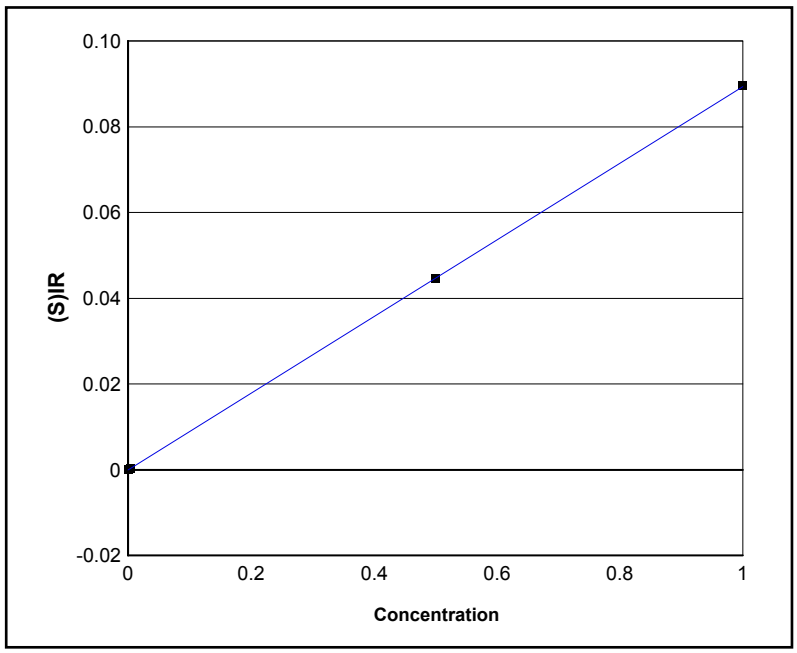
Standard Name	Stated	Found	Diff	% Diff	(S)IR	Stddev	Emphasis
IC1	0.00000	0.0000000425	-0.0000000425	0.00000	0.0011165	0.00016208	1
IC4	1.0000	1.0001	0.00012232	0.012232	1.6479	0.0024496	1
IC2	0.0020000	0.0020429	0.000042907	2.1454	0.0045205	0.000049682	1
IC3	0.50000	0.49983	-0.00016575	-0.033150	0.82411	0.00046903	1



Element Name:	Co
Element Wavelength:	Co 228.616 nm
Concentration Units:	ppm
Date of Calibration:	3/13/2014 5:38:26PM
Date of Fit:	3/13/2014 5:38:26PM
Type of Fit:	Linear
Correlation:	0.99999
A0 (Offset):	-0.00043803
A1 (Gain):	1.6375
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

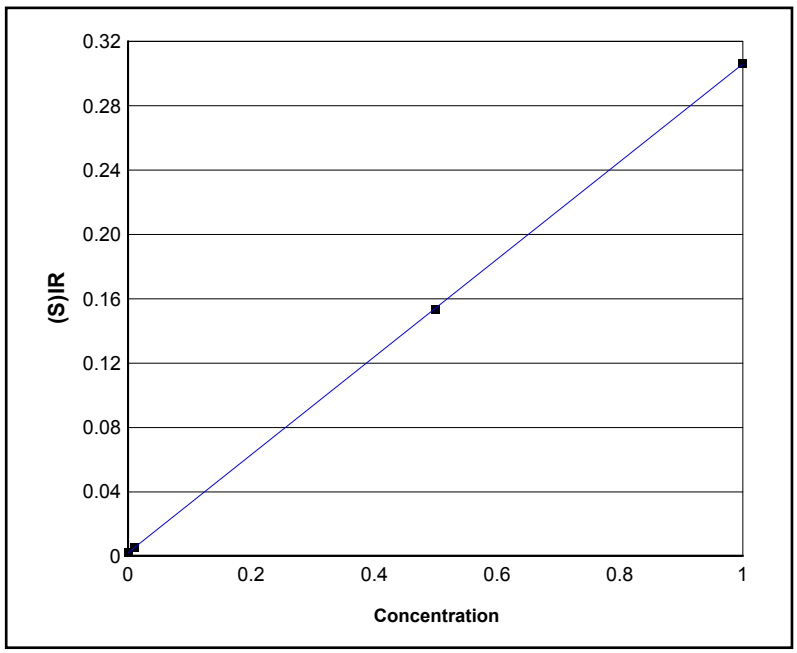
Standard Name	Stated	Found	Diff	% Diff	(S)IR	Stddev	Emphasis
IC1	0.00000	0.0000000230	0.0000000230	0.00000	-0.00043799	0.00014926	1
IC4	1.0000	1.0027	0.0026776	0.26776	1.6424	0.00083712	1
IC2	0.0040000	0.0039876	-0.000012391	-0.30977	0.0060870	0.000033669	1
IC3	0.50000	0.49733	-0.0026652	-0.53305	0.81440	0.0010007	1



Element Name:	Cr
Element Wavelength:	Cr 267.716 nm
Concentration Units:	ppm
Date of Calibration:	3/13/2014 5:38:26PM
Date of Fit:	3/13/2014 5:38:26PM
Type of Fit:	Linear
Correlation:	1.00000
A0 (Offset):	-0.000010579
A1 (Gain):	0.089447
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

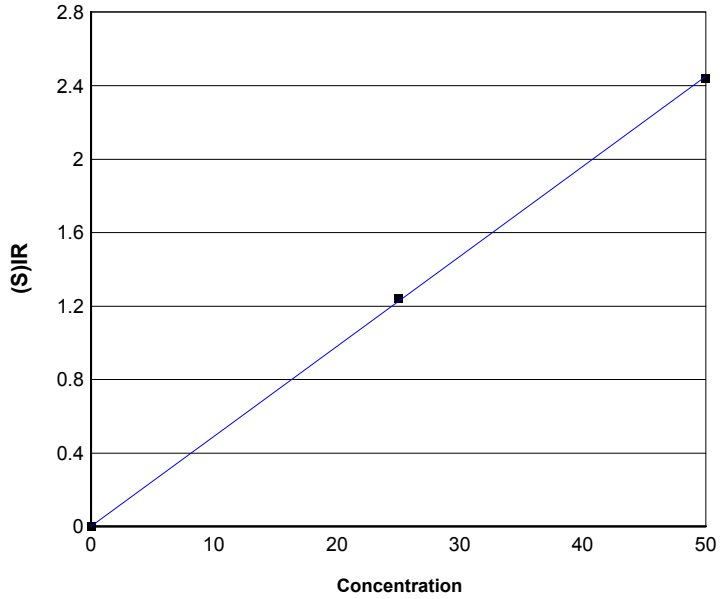
Standard Name	Stated	Found	Diff	% Diff	(S)IR	Stddev	Emphasis
IC1	0.00000	0.0000000060	0.0000000060	0.00000	-0.000010579	0.000013498	1
IC4	1.0000	1.0015	0.0014939	0.14939	0.089587	0.00021758	1
IC2	0.0040000	0.0039999	-0.0000000661	-0.0016531	0.00034725	0.000043077	1
IC3	0.50000	0.49851	-0.0014938	-0.29876	0.044588	0.000037858	1



Element Name:	Cu
Element Wavelength:	Cu 324.754 nm
Concentration Units:	ppm
Date of Calibration:	3/13/2014 5:38:26PM
Date of Fit:	3/13/2014 5:38:26PM
Type of Fit:	Linear
Correlation:	1.00000
A0 (Offset):	0.0021085
A1 (Gain):	0.30394
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

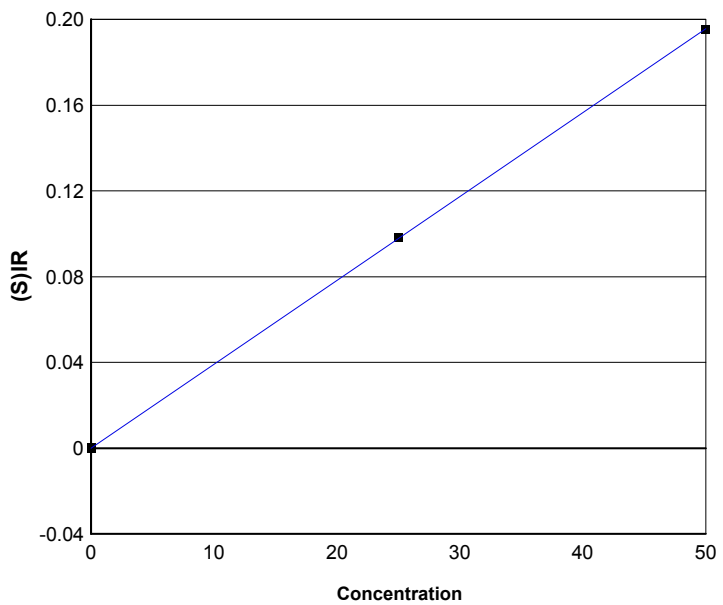
Standard Name	Stated	Found	Diff	% Diff	(S)IR	Stddev	Emphasis
IC1	0.00000	0.0000000816	0.0000000816	0.00000	0.0021086	0.000059730	1
IC4	1.0000	1.0018	0.0017786	0.17786	0.30651	0.00029898	1
IC2	0.010000	0.0099349	-0.000065084	-0.65084	0.0051278	0.000056375	1
IC3	0.50000	0.49829	-0.0017135	-0.34270	0.15352	0.00062740	1



Element Name:	Fe
Element Wavelength:	Fe 259.940 nm
Concentration Units:	ppm
Date of Calibration:	3/13/2014 5:38:26PM
Date of Fit:	3/13/2014 5:38:26PM
Type of Fit:	Linear
Correlation:	0.99997
A0 (Offset):	0.00025822
A1 (Gain):	0.049033
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

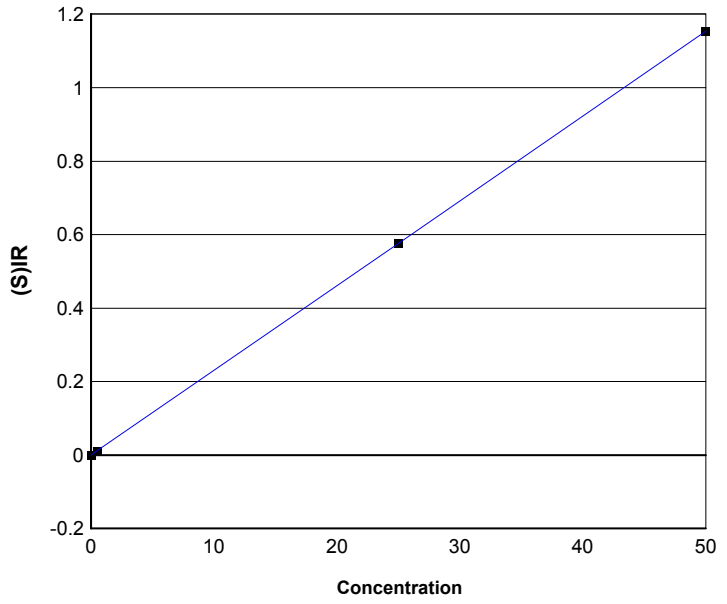
Standard Name	Stated	Found	Diff	% Diff	(S)IR	Stddev	Emphasis
IC1	0.00000	0.0000000308	0.0000000308	0.00000	0.00025822	0.000090206	1
IC4	50.000	49.737	-0.26273	-0.52547	2.4390	0.0031055	1
IC2	0.050000	0.049706	-0.00029413	-0.58825	0.0026954	0.00019547	1
IC3	25.000	25.263	0.26303	1.0521	1.2390	0.0016318	1



Element Name:	Fe
Element Wavelength:	Fe 271.441 nm
Concentration Units:	ppm
Date of Calibration:	3/13/2014 5:38:26PM
Date of Fit:	3/13/2014 5:38:26PM
Type of Fit:	Linear
Correlation:	0.99999
A0 (Offset):	-0.000024539
A1 (Gain):	0.0039165
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

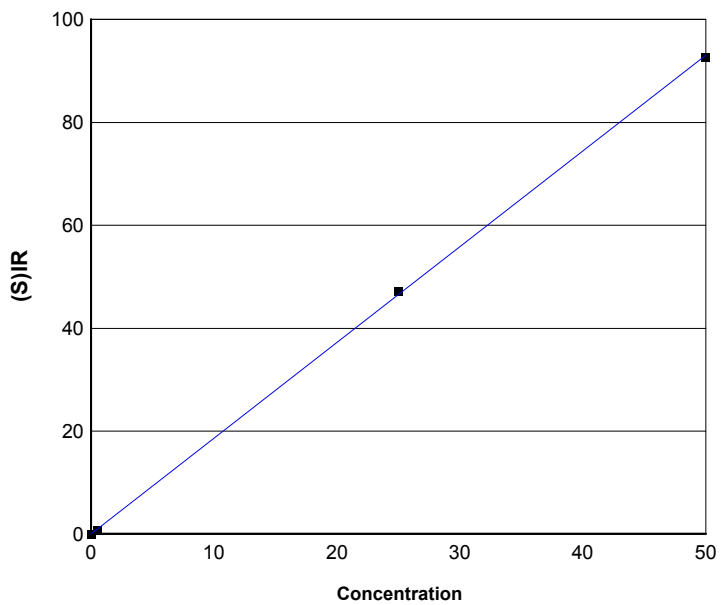
Standard Name	Stated	Found	Diff	% Diff	(S)IR	Stddev	Emphasis
IC1	0.00000	-0.0000031111	-0.0000031111	0.00000	-0.000024551	0.000076619	1
IC4	50.000	49.856	-0.14436	-0.28871	0.19524	0.000087554	1
IC2	0.050000	0.052973	0.0029727	5.9453	0.00018293	0.00020784	1
IC3	25.000	25.141	0.14138	0.56554	0.098442	0.00050362	1



Element Name:	K
Element Wavelength:	K 766.490 nm
Concentration Units:	ppm
Date of Calibration:	3/13/2014 5:38:26PM
Date of Fit:	3/13/2014 5:38:26PM
Type of Fit:	Linear
Correlation:	0.99999
A0 (Offset):	-0.00032004
A1 (Gain):	0.023072
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

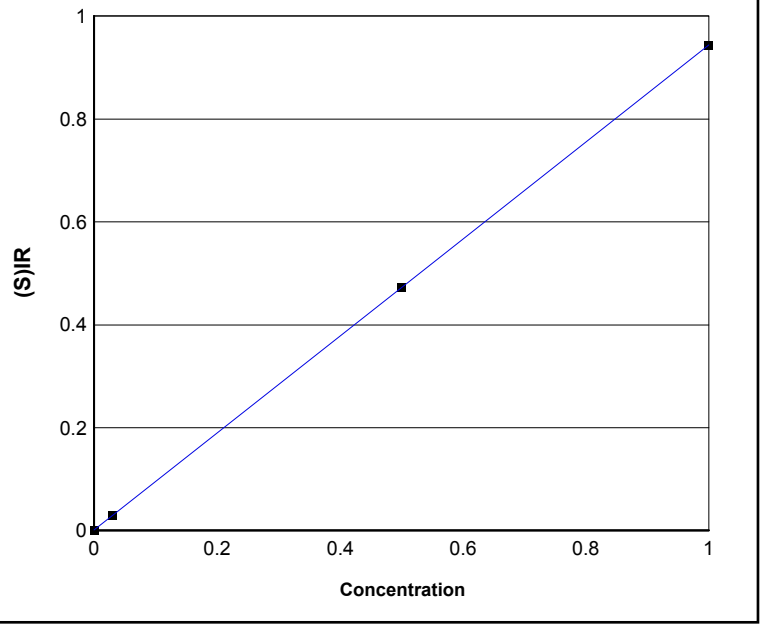
Standard Name	Stated	Found	Diff	% Diff	(S)IR	Stddev	Emphasis
IC1	0.00000	0.000023186	0.000023186	0.00000	-0.00031951	0.00038768	1
IC4	50.000	50.006	0.0062942	0.012588	1.1534	0.0025638	1
IC2	0.50000	0.47640	-0.023595	-4.7190	0.010671	0.00067308	1
IC3	25.000	25.017	0.017301	0.069204	0.57687	0.00017276	1



Element Name:	K
Element Wavelength:	K 766.490 nm
Concentration Units:	ppm
Date of Calibration:	3/13/2014 5:38:26PM
Date of Fit:	3/13/2014 5:38:26PM
Type of Fit:	Linear
Correlation:	0.99983
A0 (Offset):	0.0020409
A1 (Gain):	1.8617
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

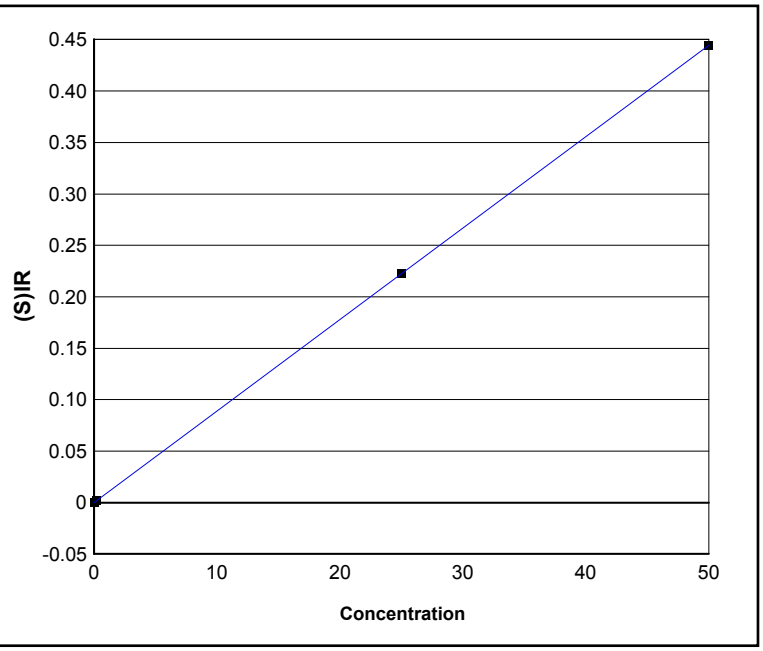
Standard Name	Stated	Found	Diff	% Diff	(S)IR	Stddev	Emphasis
IC1	0.00000	0.000093795	0.000093795	0.00000	0.0022155	0.00099694	1
IC4	50.000	49.728	-0.27168	-0.54336	92.582	0.40018	1
IC2	0.50000	0.40152	-0.098482	-19.696	0.74955	0.0020217	1
IC3	25.000	25.370	0.37016	1.4806	47.234	0.042596	1



Element Name:	Li
Element Wavelength:	Li 670.784 nm
Concentration Units:	ppm
Date of Calibration:	3/13/2014 5:38:26PM
Date of Fit:	3/13/2014 5:38:26PM
Type of Fit:	Linear
Correlation:	0.99999
A0 (Offset):	0.00097694
A1 (Gain):	0.94313
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

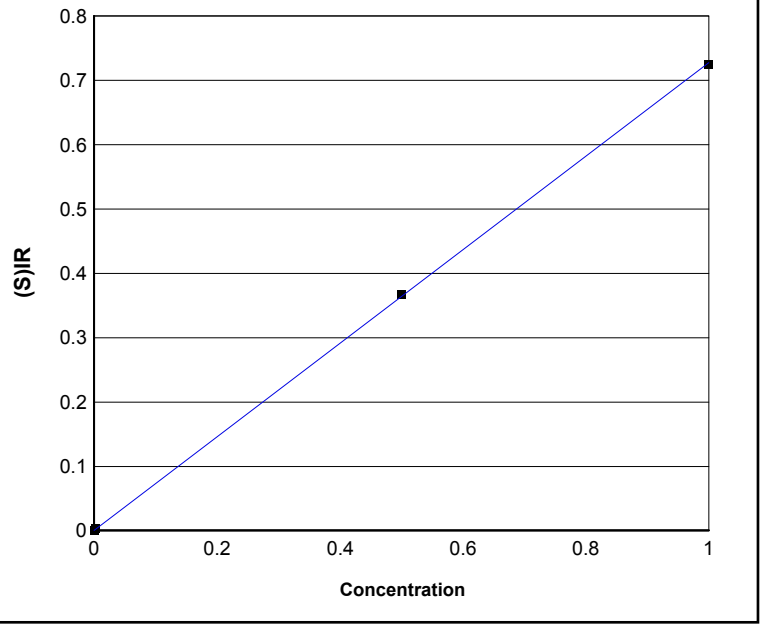
Standard Name	Stated	Found	Diff	% Diff	(S)IR	Stddev	Emphasis
IC1	0.00000	0.0000007762	-0.0000007762	0.00000	0.00097621	0.00042870	1
IC2	0.030000	0.030789	0.00078867	2.6289	0.030015	0.00038697	1
IC3	0.50000	0.50037	0.00037225	0.074451	0.47289	0.00044929	1
IC4	1.0000	0.99884	-0.0011609	-0.11609	0.94302	0.00083348	1



Element Name:	Mg
Element Wavelength:	Mg 279.079 nm
Concentration Units:	ppm
Date of Calibration:	3/13/2014 5:38:26PM
Date of Fit:	3/13/2014 5:38:26PM
Type of Fit:	Linear
Correlation:	1.00000
A0 (Offset):	-0.000040456
A1 (Gain):	0.0088892
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

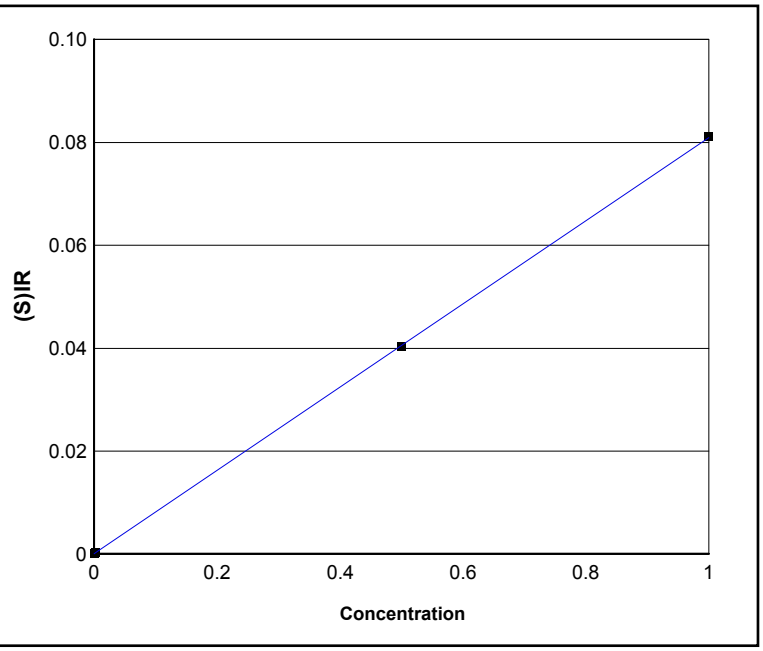
Standard Name	Stated	Found	Diff	% Diff	(S)IR	Stddev	Emphasis
IC1	0.00000	0.0000056493	-0.0000056493	0.00000	-0.000040506	0.0000062640	1
IC4	50.000	49.994	-0.0057549	-0.011510	0.44431	0.00095594	1
IC2	0.20000	0.20567	0.0056716	2.8358	0.0017876	0.0000023851	1
IC3	25.000	25.000	0.000083078	0.00033231	0.22216	0.00012159	1



Element Name:	Mn
Element Wavelength:	Mn 257.610 nm
Concentration Units:	ppm
Date of Calibration:	3/13/2014 5:38:26PM
Date of Fit:	3/13/2014 5:38:26PM
Type of Fit:	Linear
Correlation:	0.99997
A0 (Offset):	0.00054123
A1 (Gain):	0.72752
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

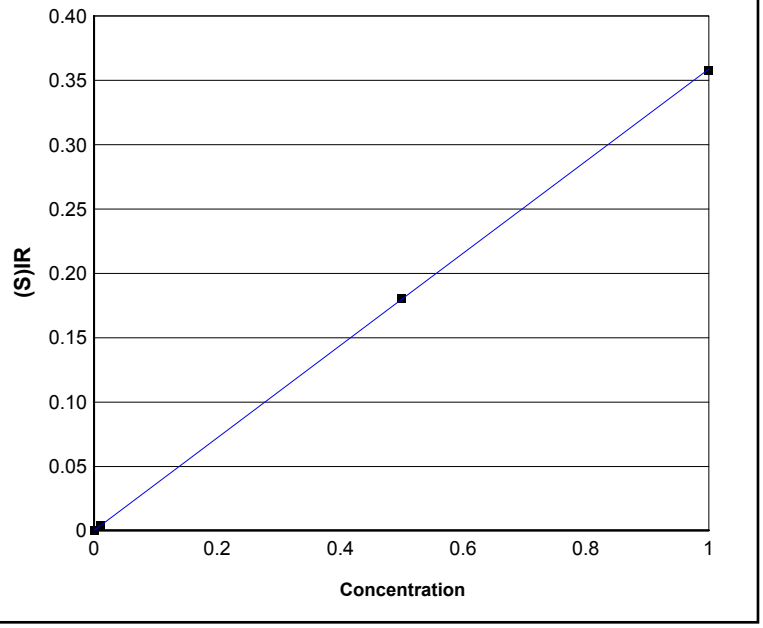
Standard Name	Stated	Found	Diff	% Diff	(S)IR	Stddev	Emphasis
IC1	0.00000	0.0000003930	-0.0000003930	0.00000	0.00054095	0.000044156	1
IC4	1.0000	0.99642	-0.0035843	-0.35843	0.72546	0.0018804	1
IC2	0.0030000	0.0033845	0.00038454	12.818	0.0030036	0.000011887	1
IC3	0.50000	0.50320	0.0031997	0.63995	0.36663	0.000078928	1



Element Name:	Mn
Element Wavelength:	Mn 257.610 nm
Concentration Units:	ppm
Date of Calibration:	3/13/2014 5:38:26PM
Date of Fit:	3/13/2014 5:38:26PM
Type of Fit:	Linear
Correlation:	0.99999
A0 (Offset):	0.000048551
A1 (Gain):	0.080916
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

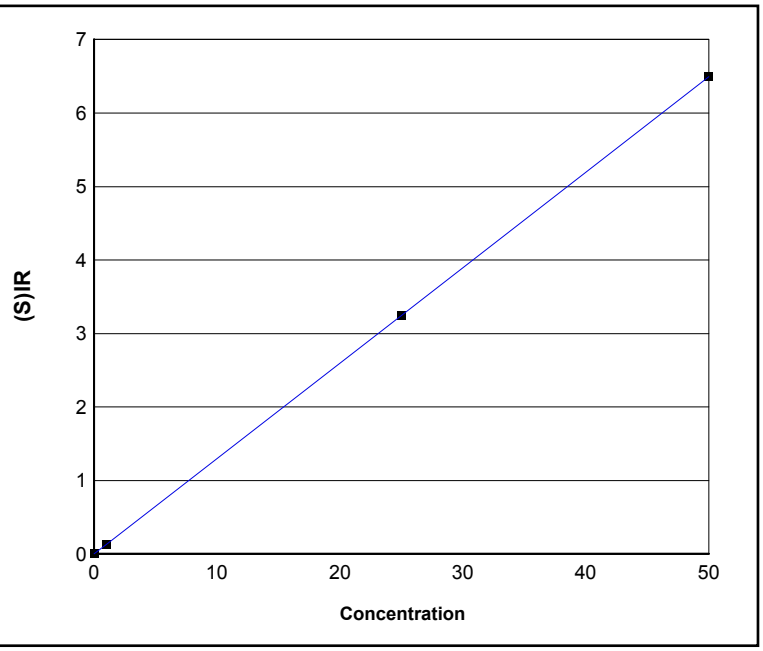
Standard Name	Stated	Found	Diff	% Diff	(S)IR	Stddev	Emphasis
IC1	0.00000	0.0000001648	-0.0000001648	0.00000	0.000048538	0.000066707	1
IC4	1.0000	1.0031	0.0031335	0.31335	0.081218	0.00026194	1
IC2	0.0030000	0.0031752	0.00017523	5.8409	0.00030548	0.0000035443	1
IC3	0.50000	0.49669	-0.0033088	-0.66175	0.040239	0.000042503	1



Element Name:	Mo
Element Wavelength:	Mo 202.030 nm
Concentration Units:	ppm
Date of Calibration:	3/13/2014 5:38:26PM
Date of Fit:	3/13/2014 5:38:26PM
Type of Fit:	Linear
Correlation:	1.00000
A0 (Offset):	0.00013634
A1 (Gain):	0.35885
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

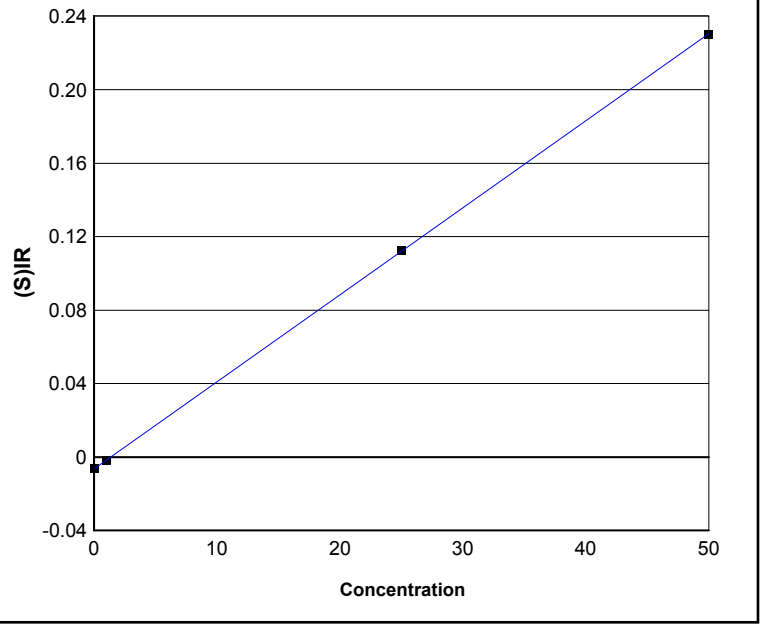
Standard Name	Stated	Found	Diff	% Diff	(S)IR	Stddev	Emphasis
IC1	0.00000	0.0000001347	-0.0000001347	0.00000	0.00013629	0.000066069	1
IC4	1.0000	0.99780	-0.0022049	-0.22049	0.35819	0.00030417	1
IC2	0.010000	0.010115	0.00011498	1.1498	0.0037661	0.000020550	1
IC3	0.50000	0.50209	0.0020900	0.41799	0.18031	0.000062733	1



Element Name:	Na
Element Wavelength:	Na 589.592 nm
Concentration Units:	ppm
Date of Calibration:	3/13/2014 5:38:26PM
Date of Fit:	3/13/2014 5:38:26PM
Type of Fit:	Linear
Correlation:	1.00000
A0 (Offset):	0.0018064
A1 (Gain):	0.12980
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

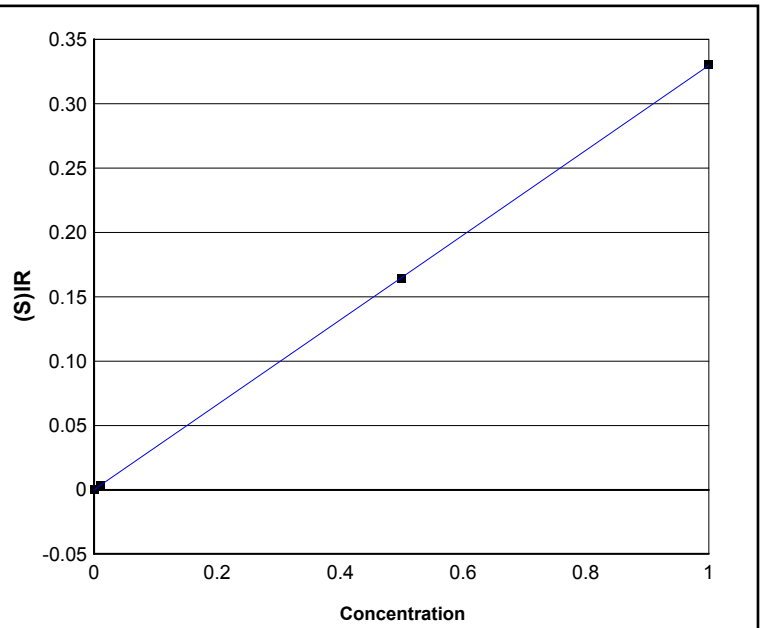
Standard Name	Stated	Found	Diff	% Diff	(S)IR	Stddev	Emphasis
IC1	0.00000	0.0000016275	0.0000016275	0.00000	0.0018066	0.00051749	1
IC4	50.000	50.033	0.032809	0.065618	6.4963	0.0059274	1
IC2	1.0000	0.99899	-0.0010118	-0.10118	0.13148	0.00080589	1
IC3	25.000	24.968	-0.031797	-0.12719	3.2428	0.0034581	1



Element Name:	Na
Element Wavelength:	Na 818.326 nm
Concentration Units:	ppm
Date of Calibration:	3/13/2014 5:38:26PM
Date of Fit:	3/13/2014 5:38:26PM
Type of Fit:	Linear
Correlation:	1.00000
A0 (Offset):	-0.0064864
A1 (Gain):	0.0047379
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

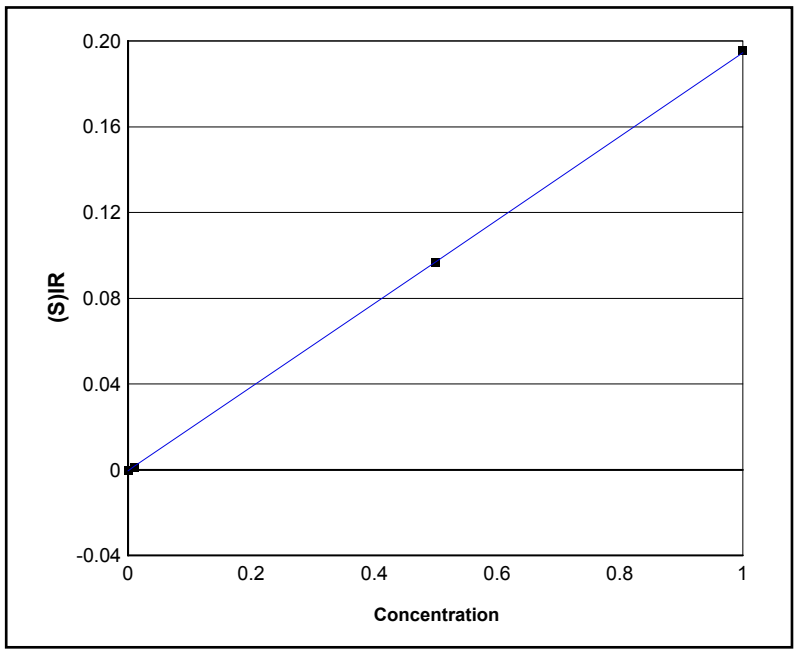
Standard Name	Stated	Found	Diff	% Diff	(S)IR	Stddev	Emphasis
IC1	0.00000	0.0000082339	-0.0000082339	0.00000	-0.0064864	0.000056013	1
IC4	50.000	49.901	-0.098786	-0.19757	0.22994	0.00087130	1
IC2	1.0000	1.0065	0.0065190	0.65190	-0.0017176	0.00056536	1
IC3	25.000	25.092	0.092267	0.36907	0.11240	0.0010323	1



Element Name:	Ni
Element Wavelength:	Ni 231.604 nm
Concentration Units:	ppm
Date of Calibration:	3/13/2014 5:38:26PM
Date of Fit:	3/13/2014 5:38:26PM
Type of Fit:	Linear
Correlation:	0.99997
A0 (Offset):	-0.00020836
A1 (Gain):	0.33000
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

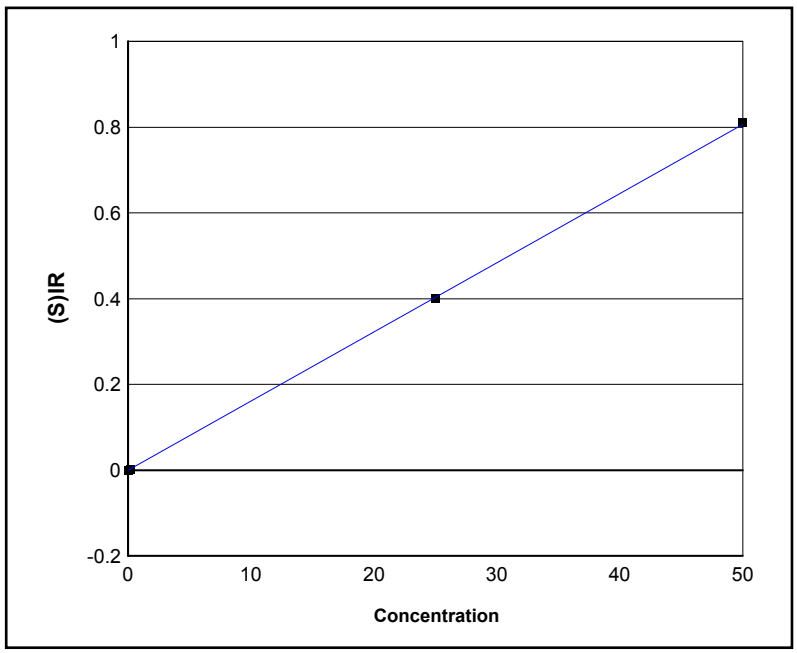
Standard Name	Stated	Found	Diff	% Diff	(S)IR	Stddev	Emphasis
IC1	0.00000	0.0000008038	-0.0000008038	0.00000	-0.00020863	0.0000019276	1
IC4	1.0000	1.0016	0.0015551	0.15551	0.33031	0.00019222	1
IC2	0.010000	0.010836	0.00083608	8.3608	0.0033676	0.000033484	1
IC3	0.50000	0.49761	-0.0023912	-0.47823	0.16400	0.00010380	1



Element Name:	Pb
Element Wavelength:	Pb 220.353 nm
Concentration Units:	ppm
Date of Calibration:	3/13/2014 5:38:26PM
Date of Fit:	3/13/2014 5:38:26PM
Type of Fit:	Linear
Correlation:	0.99994
A0 (Offset):	-0.00046229
A1 (Gain):	0.19494
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

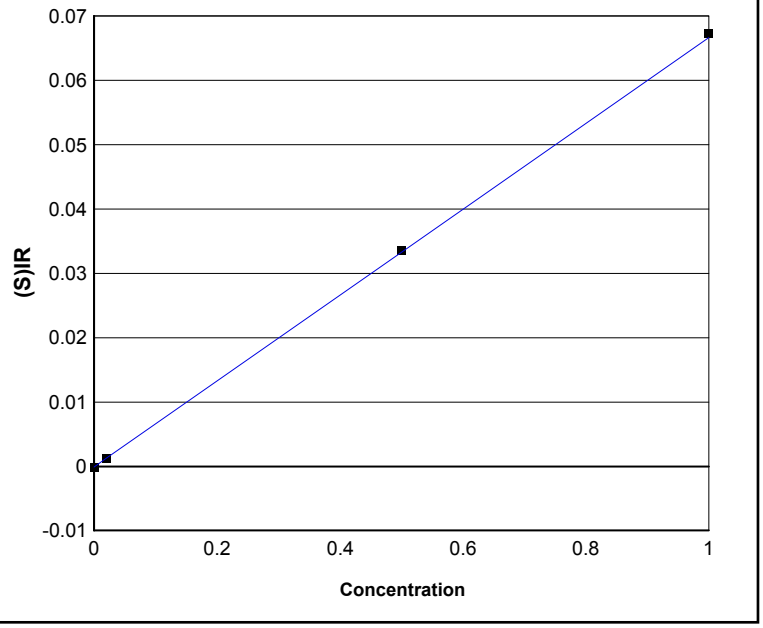
Standard Name	Stated	Found	Diff	% Diff	(S)IR	Stddev	Emphasis
IC1	0.00000	0.0000012484	0.0000012484	0.00000	-0.00046205	0.000082663	1
IC4	1.0000	1.0038	0.0037814	0.37814	0.19581	0.00038265	1
IC2	0.010000	0.0087647	-0.0012353	-12.353	0.0012504	0.000099232	1
IC3	0.50000	0.49745	-0.0025472	-0.50944	0.096807	0.00048559	1



Element Name:	S
Element Wavelength:	S 182.034 nm
Concentration Units:	ppm
Date of Calibration:	3/13/2014 5:38:26PM
Date of Fit:	3/13/2014 5:38:26PM
Type of Fit:	Linear
Correlation:	1.0000
A0 (Offset):	-0.00008784
A1 (Gain):	0.01614
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

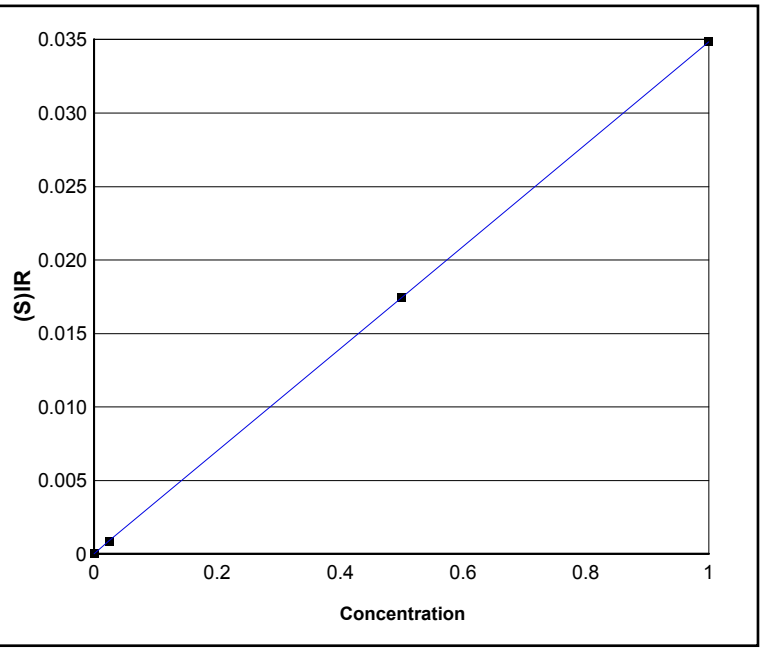
Standard Name	Stated	Found	Diff	% Diff	(S)IR	Stddev	Emphasis
IC1	0.0000	0.00001231	0.00001231	0.0000	-0.00008764	0.00001261	1
IC2	0.2000	0.1884	-0.01162	-5.811	0.002953	0.00003909	1
IC3	25.00	24.82	-0.1825	-0.7301	0.4005	0.0002845	1
IC4	50.00	50.19	0.1941	0.3883	0.8102	0.001289	1



Element Name:	Sb
Element Wavelength:	Sb 206.833 nm
Concentration Units:	ppm
Date of Calibration:	3/13/2014 5:38:26PM
Date of Fit:	3/13/2014 5:38:26PM
Type of Fit:	Linear
Correlation:	0.99998
A0 (Offset):	-0.00010311
A1 (Gain):	0.066741
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

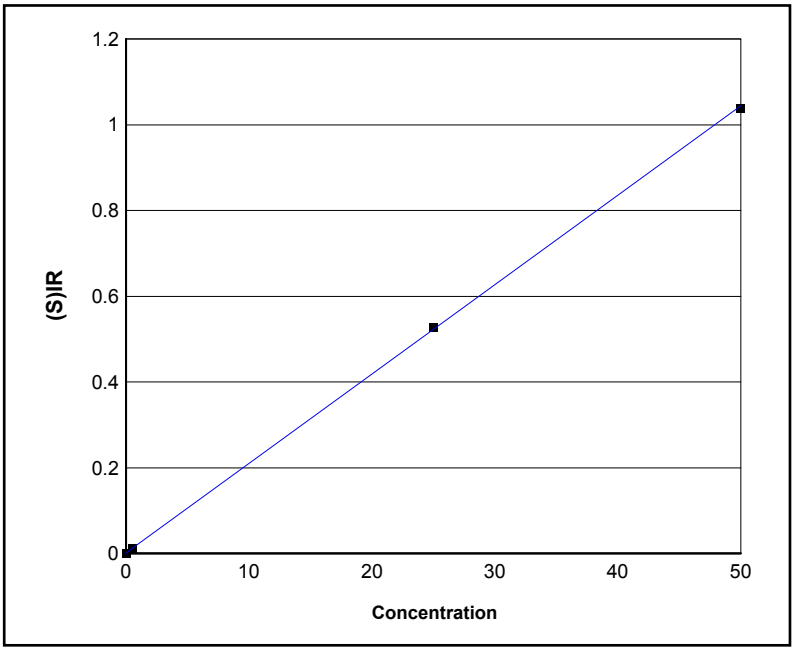
Standard Name	Stated	Found	Diff	% Diff	(S)IR	Stddev	Emphasis
IC1	0.00000	0.0000010089	0.0000010089	0.00000	-0.00010304	0.000080460	1
IC4	1.0000	1.0009	0.00093344	0.093344	0.067339	0.00020676	1
IC2	0.020000	0.018969	-0.0010311	-5.1557	0.0011655	0.000018763	1
IC3	0.50000	0.50009	0.000089879	0.017976	0.033593	0.00016255	1



Element Name:	Se
Element Wavelength:	Se 196.090 nm
Concentration Units:	ppm
Date of Calibration:	3/13/2014 5:38:26PM
Date of Fit:	3/13/2014 5:38:26PM
Type of Fit:	Linear
Correlation:	0.99999
A0 (Offset):	0.000029297
A1 (Gain):	0.034811
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

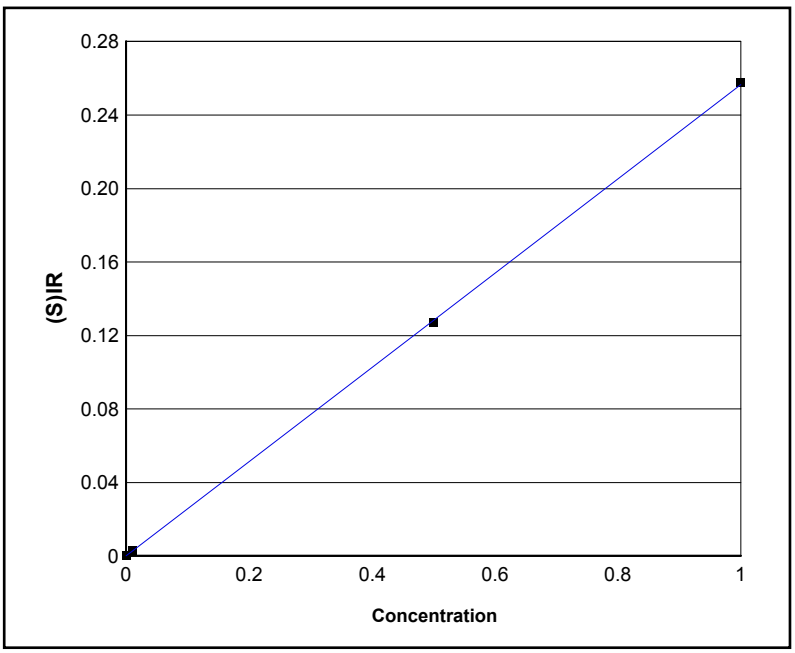
Standard Name	Stated	Found	Diff	% Diff	(S)IR	Stddev	Emphasis
IC1	0.00000	0.0000007433	0.0000007433	0.00000	0.000029323	0.000034849	1
IC4	1.0000	1.0007	0.00074661	0.074661	0.034849	0.0000074988	1
IC2	0.025000	0.024237	-0.00076278	-3.0511	0.00087294	0.0000057232	1
IC3	0.50000	0.50002	0.000016478	0.0032957	0.017427	0.000033848	1



Element Name:	Si
Element Wavelength:	Si 288.158 nm
Concentration Units:	ppm
Date of Calibration:	3/13/2014 5:38:26PM
Date of Fit:	3/13/2014 5:38:26PM
Type of Fit:	Linear
Correlation:	0.99998
A0 (Offset):	0.00093501
A1 (Gain):	0.020869
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

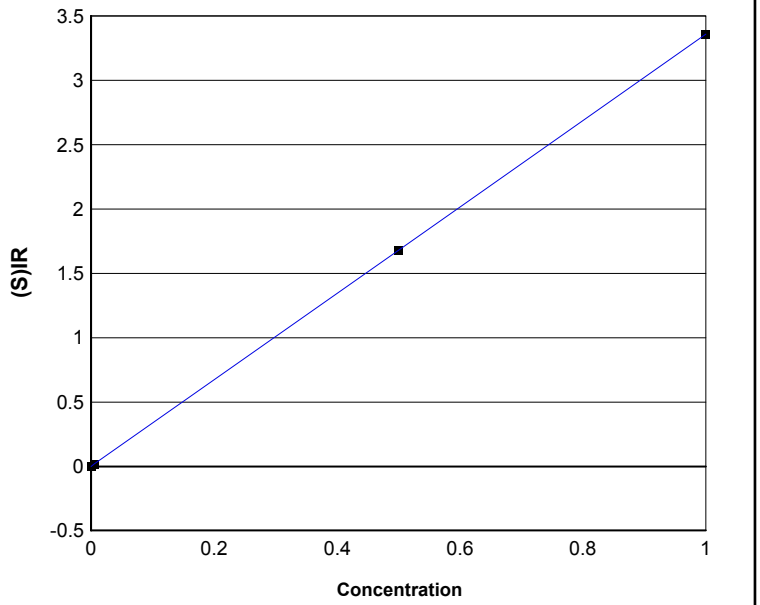
Standard Name	Stated	Found	Diff	% Diff	(S)IR	Stddev	Emphasis
IC1	0.00000	0.0000065869	-0.0000065869	0.00000	0.00093487	0.000018594	1
IC2	0.50000	0.50419	0.0041876	0.83753	0.011457	0.00012647	1
IC3	25.000	25.244	0.24411	0.97646	0.52776	0.0012667	1
IC4	50.000	49.752	-0.24830	-0.49660	1.0392	0.0036792	1



Element Name:	Sn
Element Wavelength:	Sn 189.989 nm
Concentration Units:	ppm
Date of Calibration:	3/13/2014 5:38:26PM
Date of Fit:	3/13/2014 5:38:26PM
Type of Fit:	Linear
Correlation:	0.99996
A0 (Offset):	0.000035642
A1 (Gain):	0.25646
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

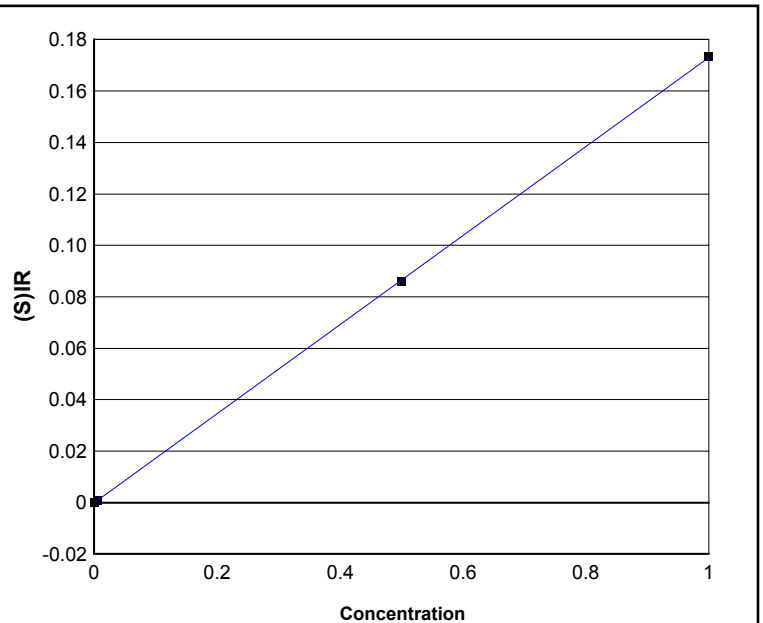
Standard Name	Stated	Found	Diff	% Diff	(S)IR	Stddev	Emphasis
IC1	0.00000	0.0000006703	-0.0000006703	0.00000	0.000035470	0.000035706	1
IC4	1.0000	1.0038	0.0038001	0.38001	0.25747	0.00025198	1
IC2	0.010000	0.010723	0.00072273	7.2273	0.0027856	0.000046805	1
IC3	0.50000	0.49548	-0.0045228	-0.90457	0.12711	0.00034450	1



Element Name:	Sr
Element Wavelength:	Sr 407.771 nm
Concentration Units:	ppm
Date of Calibration:	3/13/2014 5:38:26PM
Date of Fit:	3/13/2014 5:38:26PM
Type of Fit:	Linear
Correlation:	1.00000
A0 (Offset):	-0.0010136
A1 (Gain):	3.3593
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

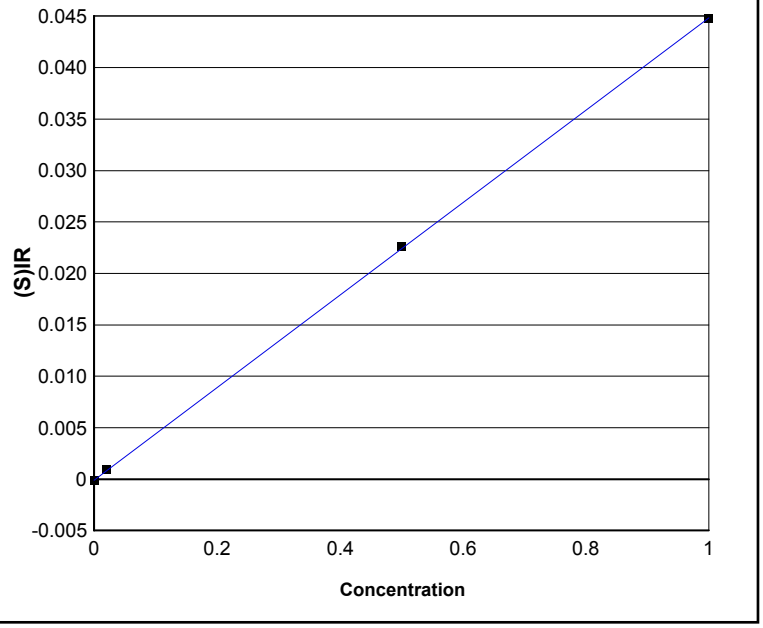
Standard Name	Stated	Found	Diff	% Diff	(S)IR	Stddev	Emphasis
IC1	0.00000	0.0000001872	0.0000001872	0.00000	-0.0010129	0.00021513	1
IC2	0.0050000	0.0048089	-0.00019109	-3.8218	0.015141	0.000038091	1
IC3	0.50000	0.50058	0.00058060	0.11612	1.6806	0.00086605	1
IC4	1.0000	0.99961	-0.00038951	-0.038951	3.3570	0.0066627	1



Element Name:	Ti
Element Wavelength:	Ti 334.904 nm
Concentration Units:	ppm
Date of Calibration:	3/13/2014 5:38:26PM
Date of Fit:	3/13/2014 5:38:26PM
Type of Fit:	Linear
Correlation:	0.99999
A0 (Offset):	-0.00014547
A1 (Gain):	0.17310
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

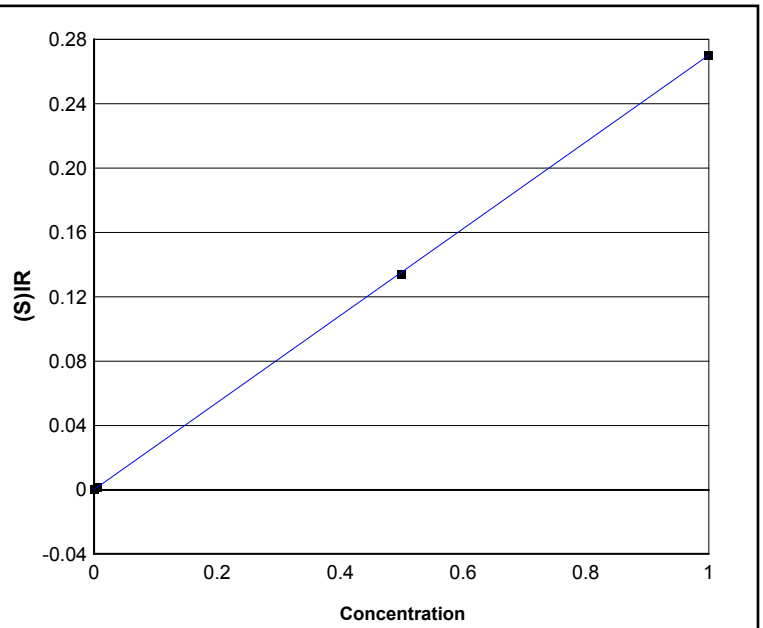
Standard Name	Stated	Found	Diff	% Diff	(S)IR	Stddev	Emphasis
IC1	0.00000	0.0000003307	0.0000003307	0.00000	-0.00014541	0.000021385	1
IC4	1.0000	1.0022	0.0021652	0.21652	0.17337	0.000061445	1
IC2	0.0050000	0.0046769	-0.00032309	-6.4618	0.00066425	0.0000055766	1
IC3	0.50000	0.49816	-0.0018421	-0.36843	0.086104	0.0000096004	1



Element Name:	Tl
Element Wavelength:	Tl 190.856 nm
Concentration Units:	ppm
Date of Calibration:	3/13/2014 5:38:26PM
Date of Fit:	3/13/2014 5:38:26PM
Type of Fit:	Linear
Correlation:	0.99991
A0 (Offset):	-0.000091106
A1 (Gain):	0.044909
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

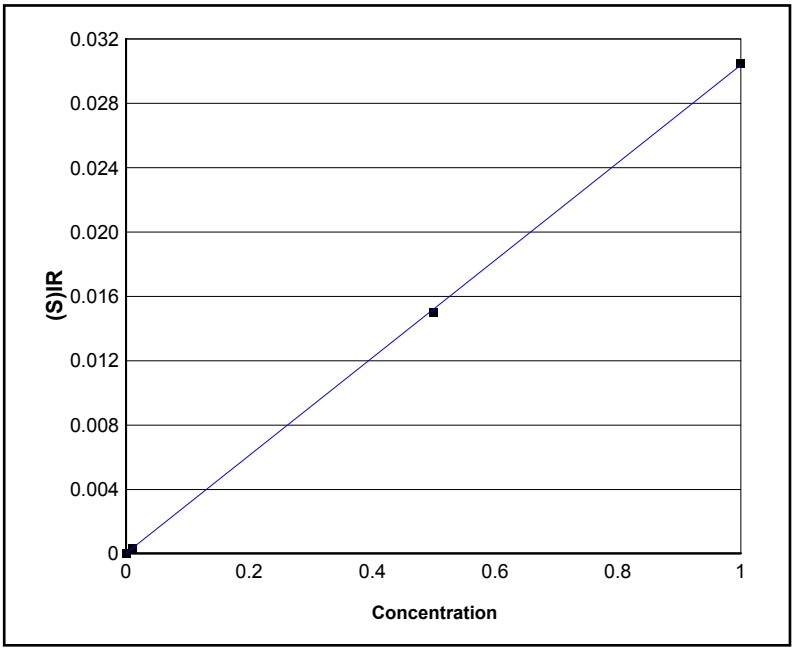
Standard Name	Stated	Found	Diff	% Diff	(S)IR	Stddev	Emphasis
IC1	0.00000	0.0000020685	-0.0000020685	0.00000	-0.000091199	0.000029129	1
IC4	1.0000	0.99459	-0.0054105	-0.54105	0.044760	0.000048057	1
IC2	0.020000	0.022042	0.0020416	10.208	0.00089944	0.000053008	1
IC3	0.50000	0.50338	0.0033757	0.67514	0.022607	0.00012987	1



Element Name:	V
Element Wavelength:	V 292.402 nm
Concentration Units:	ppm
Date of Calibration:	3/13/2014 5:38:26PM
Date of Fit:	3/13/2014 5:38:26PM
Type of Fit:	Linear
Correlation:	0.99999
A0 (Offset):	-0.000053576
A1 (Gain):	0.27042
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	0.0000000494	-0.0000000494	0.00000	-0.000053589	0.000029966	1
IC4	1.0000	1.0030	0.0029684	0.29684	0.27018	0.0000099854	1
IC2	0.0050000	0.0050648	0.000064844	1.2969	0.0013044	0.0000075970	1
IC3	0.50000	0.49697	-0.0030329	-0.60659	0.13384	0.00038950	1



Element Name:	Zn
Element Wavelength:	Zn 206.200 nm
Concentration Units:	ppm
Date of Calibration:	3/13/2014 5:38:26PM
Date of Fit:	3/13/2014 5:38:26PM
Type of Fit:	Linear
Correlation:	0.99996
A0 (Offset):	0.0000097779
A1 (Gain):	0.030373
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	0.0000002402	0.0000002402	0.00000	0.0000097852	0.0000090295	1
IC4	1.0000	1.0060	0.0060272	0.60272	0.030503	0.00012356	1
IC2	0.010000	0.0098164	-0.00018358	-1.8358	0.00030768	0.000010771	1
IC3	0.50000	0.49416	-0.0058434	-1.1687	0.014987	0.000016886	1

Sample Name: IC1 Acquired: 3/13/2014 17:27:18 Type: Cal
Method: ICAP1 New RLs at low cal point Mode: IR Corr. Factor: 1.000000
User: AMH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	B_2089	Ba4554	Ba4554-2	Be3130	Ca3179	Cd2288	Co2286	Cr2677	Cu3247
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**-.00011**	**.00044**	**.00003**	**.00055**	**.00021**	**.00086**	**.00008**	**.00483**	**.00112**	**-.00044**	**-.00001**	**.00211**
Stddev	.00011	.00020	.00003	.00006	.00020	.00001	.00009	.00050	.00016	.00015	.00001	.00006
%RSD	102.08	46.556	110.33	10.316	94.451	1.1687	115.63	10.327	14.517	34.077	127.60	2.8327
#1	-.00018	.00029	.00005	.00059	.00007	.00086	.00014	.00448	.00100	-.00033	-.00002	.00207
#2	-.00003	.00058	.00001	.00051	.00036	.00087	.00001	.00519	.00123	-.00054	-.00000	.00215

Elem	Fe2599	Fe2714	K_7664	K_7664-2	Li6707	Mg2790	Mn2576	Mn2576-2	Mo2020	Na5895	Na8183	Ni2316
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	**.00026**	**-.00002**	**-.00032**	**.00222**	**.00098**	**-.00004**	**.00054**	**.00005**	**.00014**	**.00181**	**-.00649**	**-.00021**
Stddev	.00009	.00008	.00039	.00100	.00043	.00001	.00004	.00007	.00007	.00052	.00006	.00000
%RSD	34.934	312.08	121.34	44.998	43.915	15.465	8.1627	137.43	48.475	28.645	.86355	.92392
#1	.00019	-.00008	-.00005	.00292	.00067	-.00004	.00051	.00000	.00018	.00217	-.00645	-.00021
#2	.00032	.00003	-.00059	.00151	.00128	-.00004	.00057	.00010	.00009	.00144	-.00653	-.00021

Elem	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
Avg	**-.00046**	**-.0001**	**-.00010**	**.00003**	**.00093**	**.00004**	**-.00101**	**-.00015**	**-.00009**	**-.00005**	**.00001**
Stddev	.00008	.0000	.00008	.00003	.00002	.00004	.00022	.00002	.00003	.00003	.00001
%RSD	17.891	14.39	78.088	118.85	1.9889	100.67	21.238	14.707	31.940	55.918	92.278
#1	-.00052	-.0001	-.00005	.00005	.00095	.00001	-.00117	-.00016	-.00011	-.00007	.00000
#2	-.00040	-.0001	-.00016	.00000	.00092	.00006	-.00086	-.00013	-.00007	-.00003	.00002

Int. Std.	In2306	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**3597.4**	**5118.2**	**72649.**	**15176.**
Stddev	7.9	8.0	187.	12.
%RSD	.22055	.15638	.25726	.07878
#1	3591.8	5112.6	72781.	15185.
#2	3603.0	5123.9	72516.	15168.

Sample Name: IC2 Acquired: 3/13/2014 17:30:08 Type: Cal
Method: ICAP1 New RLs at low cal point Mode: IR Corr. Factor: 1.000000
User: AMH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	B_2089	Ba4554	Ba4554-2	Be3130	Ca3179	Cd2288	Co2286	Cr2677	Cu3247
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**.00066**	**.00455**	**.00072**	**.00644**	**.00836**	**.01496**	**.00657**	**.06088**	**.00452**	**.00609**	**.00035**	**.00513**
Stddev	.00002	.00017	.00001	.00006	.00026	.00011	.00020	.00011	.00005	.00003	.00004	.00006
%RSD	3.1814	3.7455	1.6377	.88299	3.1073	.74798	3.0136	.17456	1.0990	.55313	12.405	1.0994
#1	.00064	.00467	.00071	.00640	.00818	.01488	.00643	.06080	.00449	.00606	.00038	.00509
#2	.00067	.00443	.00073	.00648	.00854	.01504	.00671	.06095	.00456	.00611	.00032	.00517

Elem	Fe2599	Fe2714	K_7664	K_7664-2	Li6707	Mg2790	Mn2576	Mn2576-2	Mo2020	Na5895	Na8183	Ni2316
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	**.00270**	**.00018**	**.01067**	**.74955**	**.03001**	**.00179**	**.00300**	**.00031**	**.00377**	**.13148**	**-.00172**	**.00337**
Stddev	.00020	.00021	.00067	.00202	.00039	.00000	.00001	.00000	.00002	.00081	.00057	.00003
%RSD	7.2520	113.62	6.3074	.26973	1.2893	.13342	.39578	1.1603	.54567	.61294	32.916	.99431
#1	.00256	.00004	.01020	.75098	.03029	.00179	.00301	.00030	.00375	.13205	-.00212	.00334
#2	.00283	.00033	.01115	.74812	.02974	.00179	.00300	.00031	.00378	.13091	-.00132	.00339

Elem	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
Avg	**.00125**	**.0030**	**.00117**	**.00087**	**.01146**	**.00279**	**.01514**	**.00066**	**.00090**	**.00130**	**.00031**
Stddev	.00010	.0000	.00002	.00001	.00013	.00005	.00004	.00001	.00005	.00001	.00001
%RSD	7.9358	1.324	1.6099	.65562	1.1039	1.6802	.25157	.83954	5.8935	.58243	3.5006
#1	.00118	.0029	.00115	.00087	.01137	.00282	.01517	.00067	.00094	.00130	.00030
#2	.00132	.0030	.00118	.00088	.01155	.00275	.01511	.00066	.00086	.00131	.00032

Int. Std.	In2306	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**3661.1**	**5247.5**	**73440.**	**15273.**
Stddev	5.4	1.6	146.	1.
%RSD	.14801	.03012	.19909	.00943
#1	3664.9	5248.6	73337.	15272.
#2	3657.3	5246.4	73543.	15274.

Sample Name: IC3 Acquired: 3/13/2014 17:32:59 Type: Cal
Method: ICAP1 New RLs at low cal point Mode: IR Corr. Factor: 1.000000
User: AMH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	B_2089	Ba4554	Ba4554-2	Be3130	Ca3179	Cd2288	Co2286	Cr2677	Cu3247
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**.06431**	**.49256**	**.02306**	**.15031**	**1.9960**	**3.3362**	**1.5695**	**2.8571**	**.82411**	**.81440**	**.04459**	**.15352**
Stddev	.00019	.00169	.00001	.00017	.0010	.0004	.0003	.0007	.00047	.00100	.00004	.00063
%RSD	.28781	.34288	.02663	.11062	.04809	.01111	.01573	.02545	.05691	.12287	.08491	.40867
#1	.06418	.49136	.02306	.15020	1.9953	3.3365	1.5697	2.8576	.82444	.81511	.04461	.15308
#2	.06445	.49375	.02307	.15043	1.9967	3.3360	1.5693	2.8566	.82378	.81369	.04456	.15396

Elem	Fe2599	Fe2714	K_7664	K_7664-2	Li6707	Mg2790	Mn2576	Mn2576-2	Mo2020	Na5895	Na8183	Ni2316
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	**1.2390**	**.09844**	**.57687**	**47.234**	**.47289**	**.22216**	**.36663**	**.04024**	**.18031**	**3.2428**	**.11240**	**.16400**
Stddev	.0016	.00050	.00017	.043	.00045	.00012	.00008	.00004	.00006	.0035	.00103	.00010
%RSD	.13171	.51159	.02995	.09018	.09501	.05473	.02153	.10563	.03479	.10664	.91841	.06329
#1	1.2401	.09809	.57699	47.204	.47258	.22208	.36669	.04027	.18035	3.2403	.11167	.16408
#2	1.2378	.09880	.57675	47.264	.47321	.22225	.36657	.04021	.18027	3.2452	.11313	.16393

Elem	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
Avg	**.09681**	**.4005**	**.03359**	**.01743**	**.52776**	**.12711**	**1.6806**	**.08610**	**.02261**	**.13384**	**.01499**
Stddev	.00049	.0003	.00016	.00003	.00127	.00034	.0009	.00001	.00013	.00039	.00002
%RSD	.50161	.0710	.48387	.19423	.24001	.27103	.05153	.01115	.57445	.29101	.11267
#1	.09646	.4007	.03371	.01745	.52686	.12735	1.6800	.08611	.02270	.13412	.01498
#2	.09715	.4003	.03348	.01740	.52865	.12686	1.6812	.08610	.02252	.13357	.01500

Int. Std.	In2306	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**3331.4**	**5084.2**	**69408.**	**14911.**
Stddev	3.8	2.4	82.	16.
%RSD	.11403	.04643	.11823	.10589
#1	3328.7	5082.6	69350.	14900.
#2	3334.0	5085.9	69466.	14922.

Sample Name: IC4 Acquired: 3/13/2014 17:35:45 Type: Cal
Method: ICAP1 New RLs at low cal point Mode: IR Corr. Factor: 1.000000
User: AMH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	B_2089	Ba4554	Ba4554-2	Be3130	Ca3179	Cd2288	Co2286	Cr2677	Cu3247
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**.13023**	**.98101**	**.04638**	**.29873**	**3.9582**	**6.6114**	**3.0949**	**5.6690**	**1.6479**	**1.6424**	**.08959**	**.30651**
Stddev	.00016	.00096	.00005	.00021	.0051	.0492	.0019	.0018	.0024	.0008	.00022	.00030
%RSD	.12116	.09800	.11683	.06905	.12959	.74421	.06001	.03095	.14865	.05097	.24287	.09754
#1	.13034	.98033	.04642	.29858	3.9546	6.6462	3.0935	5.6678	1.6461	1.6418	.08974	.30673
#2	.13012	.98169	.04634	.29887	3.9619	6.5766	3.0962	5.6702	1.6496	1.6429	.08943	.30630

Elem	Fe2599	Fe2714	K_7664	K_7664-2	Li6707	Mg2790	Mn2576	Mn2576-2	Mo2020	Na5895	Na8183	Ni2316
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	**2.4390**	**.19524**	**1.1534**	**92.582**	**.94302**	**.44431**	**.72546**	**.08122**	**.35819**	**6.4963**	**.22994**	**.33031**
Stddev	.0031	.00009	.0026	.400	.00083	.00096	.00188	.00026	.00030	.0059	.00087	.00019
%RSD	.12732	.04485	.22228	.43225	.08838	.21515	.25920	.32252	.08492	.09124	.37892	.05819
#1	2.4368	.19530	1.1516	92.299	.94360	.44499	.72679	.08140	.35798	6.4921	.22932	.33017
#2	2.4412	.19517	1.1552	92.865	.94243	.44364	.72413	.08103	.35841	6.5005	.23056	.33044

Elem	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
Avg	**.19581**	**.8102**	**.06734**	**.03485**	**1.0392**	**.25747**	**3.3570**	**.17337**	**.04476**	**.27018**	**.03050**
Stddev	.00038	.0013	.00021	.00001	.0037	.00025	.0067	.00006	.00005	.00001	.00012
%RSD	.19542	.1592	.30704	.02152	.35404	.09787	.19847	.03544	.10737	.00370	.40508
#1	.19608	.8092	.06719	.03484	1.0366	.25729	3.3523	.17341	.04473	.27019	.03059
#2	.19554	.8111	.06749	.03485	1.0418	.25765	3.3617	.17332	.04479	.27017	.03042

Int. Std.	In2306	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**3173.0**	**4999.0**	**67288.**	**14813.**
Stddev	.3	4.7	219.	27.
%RSD	.00875	.09464	.32491	.17952
#1	3173.2	5002.4	67133.	14832.
#2	3172.8	4995.7	67442.	14794.

Sample Name: ICV-1929659 Acquired: 3/13/2014 17:38:30 Type: QC
Method: ICAP1 New RLs at low cal point Mode: CONC Corr. Factor: 1.000000
User: AMH 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	**.37469**	**19.175**	**.38451**	**.37303**	**.39196**	**.38164**	**18.832**	**.37755**	**.37545**	**.38223**	**.38372**	**18.965**
Stddev	.00080	.136	.00259	.00014	.00022	.00087	.187	.00017	.00006	.00014	.00002	.059
%RSD	.21220	.70810	.67311	.03680	.05531	.22808	.99186	.04373	.01731	.03778	.00567	.31256
#1	.37413	19.079	.38268	.37293	.39180	.38102	18.700	.37767	.37549	.38233	.38370	18.924
#2	.37526	19.271	.38634	.37313	.39211	.38225	18.964	.37743	.37540	.38213	.38374	19.007
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value												
Range												

Elem	K_7664	K_7664-2	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203	S_1820	Sb2068	Se1960
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**18.746**	**18.524**	**.37670**	**19.041**	**.38439**	**.38154**	**18.748**	**.37505**	**.37765**	**18.68**	**.37986**	**.37737**
Stddev	.136	.146	.00248	.106	.00154	.00018	.153	.00037	.00105	.03	.00007	.00256
%RSD	.72524	.78719	.65803	.55434	.39973	.04784	.81775	.09910	.27813	.1542	.01962	.67706
#1	18.649	18.421	.37495	19.116	.38548	.38141	18.639	.37531	.37691	18.66	.37980	.37557
#2	18.842	18.628	.37846	18.966	.38331	.38167	18.856	.37479	.37839	18.70	.37991	.37918
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	**19.188**	**.38671**	**.37759**	**.38593**	**.37460**	**.38214**	**.38597**
Stddev	.203	.00043	.00274	.00280	.00233	.00071	.00391
%RSD	1.0585	.11195	.72646	.72566	.62213	.18588	1.0127
#1	19.045	.38702	.37565	.38791	.37625	.38264	.38874
#2	19.332	.38641	.37953	.38395	.37295	.38163	.38321
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	**3361.8**	**5102.6**	**68614.**	**14837.**
Stddev	.6	3.5	142.	118.
%RSD	.01854	.06836	.20713	.79707
#1	3361.4	5100.2	68514.	14920.
#2	3362.2	5105.1	68715.	14753.

Sample Name: ICB-1929749 Acquired: 3/13/2014 17:41:13 Type: QC
Method: ICAP1 New RLs at low cal point Mode: CONC Corr. Factor: 1.000000
User: AMH 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	**-.00030**	**.00369**	**.00035**	**.00143**	**.00011**	**.00007**	**.00192**	**.00007**	**.00006**	**.00038**	**.00117**	**-.00001**
Stddev	.00074	.00690	.00213	.00009	.00001	.00003	.00532	.00000	.00000	.00017	.00004	.00182
%RSD	246.95	187.01	616.22	6.1510	12.848	44.857	276.43	4.0575	4.0234	45.513	3.6866	27853.
#1	-.00082	-.00119	.00185	.00150	.00010	.00009	.00568	.00007	.00006	.00026	.00114	.00128
#2	.00022	.00857	-.00116	.00137	.00012	.00005	-.00184	.00007	.00006	.00050	.00120	-.00129
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	**-.00747**	**.00286**	**.00178**	**.00508**	**.00004**	**.00007**	**.00067**	**-.00021**	**.00023**	**.0001**	**.00017**	**-.00184**
Stddev	.03822	.00095	.00046	.00047	.00008	.00006	.00046	.00005	.00043	.0007	.00067	.00129
%RSD	511.88	33.206	25.870	9.2893	207.68	78.729	68.902	25.568	186.88	1240.	402.73	70.028
#1	.01956	.00353	.00146	.00475	-.00002	.00003	.00100	-.00025	.00054	-.0004	.00064	-.00093
#2	-.03449	.00219	.00211	.00542	.00009	.00011	.00034	-.00017	-.00007	.0005	-.00031	-.00275
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	Si2881	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.01975**	**.00031**	**-.00003**	**.00016**	**.00107**	**.00037**	**-.00027**
Stddev	.00805	.00036	.00002	.00002	.00006	.00053	.00070
%RSD	40.740	114.62	53.850	10.164	6.0332	141.92	262.96
#1	.01406	.00006	-.00004	.00015	.00102	.00075	-.00076
#2	.02544	.00056	-.00002	.00017	.00111	-.00000	.00023
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	**3607.0**	**5224.7**	**70287.**	**14682.**
Stddev	4.4	2.2	28.	5.
%RSD	.12206	.04291	.03916	.03198
#1	3610.1	5223.1	70306.	14678.
#2	3603.9	5226.2	70267.	14685.

Sample Name: ICVL-1925066 Acquired: 3/13/2014 17:44:03 Type: QC
Method: ICAP1 New RLs at low cal point Mode: CONC Corr. Factor: 1.000000
User: AMH 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	**.00597**	**.22249**	**.01563**	**.02086**	**.00225**	**.00214**	**.51900**	**.00203**	**.00416**	**.00422**	**.01100**	**.04971**
Stddev	.00065	.00362	.00134	.00030	.00000	.00006	.00249	.00001	.00001	.00034	.00020	.00262
%RSD	10.922	1.6290	8.5489	1.4605	.12482	2.6189	.48047	.68271	.17036	8.0367	1.7953	5.2616
#1	.00644	.22506	.01469	.02107	.00225	.00210	.52076	.00204	.00417	.00398	.01114	.04786
#2	.00551	.21993	.01658	.02064	.00224	.00218	.51724	.00202	.00416	.00446	.01086	.05155
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	**.51374**	**.40746**	**.03046**	**.21260**	**.00353**	**.01000**	**1.0324**	**.01109**	**.01109**	**.2028**	**.02032**	**.02431**
Stddev	.02935	.00206	.00076	.00312	.00003	.00019	.0034	.00018	.00142	.0006	.00022	.00046
%RSD	5.7136	.50445	2.4963	1.4681	.81465	1.9172	.33039	1.6137	12.769	.3084	1.0656	1.8771
#1	.49299	.40891	.02993	.21039	.00355	.00986	1.0348	.01096	.01209	.2024	.02047	.02463
#2	.53450	.40601	.03100	.21481	.00351	.01013	1.0300	.01121	.01009	.2033	.02017	.02398
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	**.53889**	**.01111**	**.00495**	**.00498**	**.02109**	**.00509**	**.01040**
Stddev	.00964	.00039	.00003	.00010	.00195	.00013	.00022
%RSD	1.7881	3.4999	.53378	2.0350	9.2413	2.5984	2.1320
#1	.54571	.01139	.00497	.00491	.01971	.00518	.01056
#2	.53208	.01084	.00493	.00505	.02247	.00499	.01025
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	**3636.0**	**5296.9**	**71156.**	**15012.**
Stddev	13.5	23.0	434.	60.
%RSD	.37077	.43374	.60948	.40062
#1	3645.6	5313.2	70849.	15054.
#2	3626.5	5280.7	71463.	14969.

Sample Name: ICSA-1918476 Acquired: 3/13/2014 17:46:53 Type: QC
Method: ICAP1 New RLs at low cal point Mode: CONC Corr. Factor: 1.000000
User: AMH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	B_2089	Ba4554-2	Be3130	Ca3179	Cd2288	Co2286	Cr2677	Cu3247	Fe2714
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00146**	**524.37**	**-.00399**	**.00020**	**.00018**	**-.00003**	**473.27**	**.00079**	**-.00055**	**-.00161**	**.00404**	**194.50**
Stddev	.00020	1.03	.00046	.00014	.00000	.00002	1.97	.00013	.00017	.00035	.00000	1.24
%RSD	13.945	.19663	11.654	67.775	2.1383	47.607	.41602	16.870	30.922	21.966	.00058	.63703
#1	-.00160	523.64	-.00432	.00030	.00018	-.00005	471.87	.00088	-.00066	-.00136	.00404	193.63
#2	-.00131	525.10	-.00366	.00011	.00018	-.00002	474.66	.00069	-.00043	-.00187	.00404	195.38
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	**.00944**	**.00232**	**.00623**	**511.77**	**.00349**	**-.00124**	**.02093**	**-.00064**	**-.00879**	**-.1362**	**.00094**	**-.00663**
Stddev	.00458	.00006	.00058	.84	.00005	.00042	.00229	.00025	.00064	.0032	.00444	.00837
%RSD	48.491	2.6365	9.3259	.16388	1.5632	33.742	10.955	38.413	7.2510	2.344	472.08	126.28
#1	.01268	.00228	.00582	511.18	.00345	-.00095	.01931	-.00081	-.00834	-.1339	-.00220	-.00071
#2	.00621	.00236	.00664	512.36	.00352	-.00154	.02255	-.00047	-.00924	-.1384	.00408	-.01255
Check ?	Chk Pass	Chk Pass	None	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	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.01500**	**.00194**	**.01433**	**.00174**	**-.00135**	**.00188**	**.00100**
Stddev	.00477	.00069	.00004	.00024	.00097	.00014	.00080
%RSD	31.823	35.686	.27965	14.080	72.032	7.4618	79.741
#1	.01163	.00145	.01430	.00156	-.00066	.00198	.00044
#2	.01838	.00243	.01435	.00191	-.00204	.00178	.00157
Check ?	None	Chk Pass	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	**2661.0**	**4570.4**	**59351.**	**14216.**
Stddev	1.7	5.0	126.	49.
%RSD	.06565	.10831	.21248	.34514
#1	2662.2	4566.9	59441.	14251.
#2	2659.7	4573.9	59262.	14182.

Sample Name: ICSAB-1910692 Acquired: 3/13/2014 17:49:51 Type: QC
Method: ICAP1 New RLs at low cal point Mode: CONC Corr. Factor: 1.000000
User: AMH 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	**.22540**	**511.70**	**.10482**	**.00515**	**.49092**	**.49545**	**462.62**	**1.0191**	**.50768**	**.49304**	**.55848**	**96.010**
Stddev	.00020	.48	.00414	.00009	.00145	.00130	6.69	.0016	.00049	.00377	.00204	.407
%RSD	.08823	.09477	3.9524	1.7856	.29442	.26203	1.4465	.15369	.09604	.76408	.36617	.42373
#1	.22554	512.04	.10189	.00508	.49194	.49453	457.88	1.0203	.50802	.49570	.55992	95.723
#2	.22526	511.36	.10775	.00521	.48990	.49637	467.35	1.0180	.50733	.49037	.55703	96.298
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	**-.00459**	**.02190**	**.52110**	**511.71**	**.47644**	**-.00024**	**.10079**	**.96939**	**.04252**	F **.5153**	**.61849**	**.05201**
Stddev	.01294	.00001	.00277	3.23	.00241	.00000	.00073	.00041	.00080	.0059	.00455	.00113
%RSD	282.15	.02748	.53094	.63196	.50520	1.0366	.72578	.04275	1.8707	1.147	.73601	2.1738
#1	-.01373	.02190	.52306	513.99	.47814	-.00024	.10131	.96909	.04196	.5111	.62170	.05121
#2	.00456	.02190	.51915	509.42	.47474	-.00024	.10027	.96968	.04309	.5195	.61527	.05281
Check ?	None	None	None	Chk Pass	Chk Pass	None	None	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass
Value										.2000		
Range										20.00%		

Elem	Si2881	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.0915**	**.00096**	**.50107**	**.00268**	**.09905**	**.51879**	**1.0050**
Stddev	.0239	.00055	.00057	.00038	.00083	.00185	.0070
%RSD	2.1850	57.038	.11293	14.269	.83706	.35633	.70098
#1	1.0747	.00135	.50147	.00241	.09846	.52010	1.0100
#2	1.1084	.00057	.50067	.00295	.09963	.51749	1.0000
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	**2662.3**	**4585.8**	**59253.**	**14195.**
Stddev	1.5	5.9	342.	113.
%RSD	.05753	.12878	.57649	.79728
#1	2661.2	4581.6	59011.	14275.
#2	2663.4	4589.9	59494.	14115.

Sample Name: CCV-1929646 Acquired: 3/13/2014 17:52:41 Type: QC
Method: ICAP1 New RLs at low cal point Mode: CONC Corr. Factor: 1.000000
User: AMH 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	**.50193**	**25.507**	**.50240**	**.48546**	**.50304**	**.49692**	**25.114**	**.50040**	**.50012**	**.50775**	**.50874**	**24.753**
Stddev	.00089	.003	.00083	.00062	.00029	.00062	.008	.00078	.00114	.00238	.00075	.017
%RSD	.17817	.01188	.16618	.12839	.05687	.12379	.03249	.15539	.22768	.46908	.14837	.06674
#1	.50256	25.505	.50300	.48502	.50325	.49648	25.120	.49985	.50093	.50607	.50927	24.741
#2	.50129	25.509	.50181	.48590	.50284	.49735	25.108	.50095	.49932	.50943	.50821	24.765
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	**24.945**	**24.759**	**.49923**	**25.434**	**.50632**	**.50451**	**25.242**	**.49565**	**.50085**	**25.42**	**.51750**	**.49810**
Stddev	.054	.020	.00150	.011	.00123	.00054	.016	.00146	.00219	.02	.00138	.00228
%RSD	.21463	.08133	.30006	.04440	.24283	.10734	.06521	.29381	.43809	.0709	.26744	.45778
#1	24.983	24.773	.50029	25.426	.50545	.50413	25.253	.49668	.50240	25.41	.51652	.49649
#2	24.907	24.744	.49817	25.442	.50719	.50489	25.230	.49462	.49930	25.43	.51848	.49971
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	**25.215**	**.52374**	**.50353**	**.52481**	**.49610**	**.51792**	**.52490**
Stddev	.042	.00196	.00174	.00075	.00163	.00255	.00464
%RSD	.16853	.37353	.34556	.14221	.32756	.49308	.88332
#1	25.185	.52512	.50476	.52428	.49725	.51611	.52162
#2	25.245	.52236	.50230	.52534	.49495	.51972	.52818
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	**3307.6**	**5106.6**	**67584.**	**14845.**
Stddev	.2	15.7	222.	12.
%RSD	.00699	.30661	.32786	.08207
#1	3307.7	5117.7	67741.	14853.
#2	3307.4	5095.5	67428.	14836.

Sample Name: CCB-1929749 Acquired: 3/13/2014 17:55:28 Type: QC
Method: ICAP1 New RLs at low cal point Mode: CONC Corr. Factor: 1.000000
User: AMH 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	**.00022**	**.00257**	**.00109**	**.00093**	**.00009**	**.00002**	**.01350**	**.00001**	**.00002**	**.00064**	**.00116**	**.00204**
Stddev	.00062	.00962	.00005	.00024	.00001	.00001	.00267	.00003	.00009	.00037	.00014	.00076
%RSD	288.56	373.83	4.4367	26.134	10.903	27.737	19.755	619.04	392.27	58.238	12.437	37.164
#1	.00066	.00937	.00112	.00076	.00008	.00002	.01538	.00003	-.00004	.00037	.00127	.00257
#2	-.00023	-.00423	.00105	.00111	.00010	.00003	.01161	-.00002	.00008	.00090	.00106	.00150
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	**.02510**	**.00117**	**.00088**	**.00961**	**.00002**	**.00007**	**.01453**	**-.00013**	**.00046**	F **.0041**	**.00044**	**-.00158**
Stddev	.00337	.00053	.00006	.00501	.00005	.00012	.00364	.00018	.00023	.0014	.00030	.00076
%RSD	13.421	44.998	6.8410	52.102	275.61	167.01	25.040	133.44	49.853	34.53	66.579	48.267
#1	.02748	.00080	.00092	.00607	-.00002	-.00001	.01195	-.00026	.00030	.0031	.00023	-.00104
#2	.02272	.00154	.00083	.01315	.00005	.00015	.01710	-.00001	.00062	.0051	.00065	-.00212
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
High Limit										.0030		
Low Limit										-.0040		

Elem	Si2881	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.01726**	**.00038**	**-.00012**	**.00021**	**.00103**	**.00020**	**.00008**
Stddev	.00850	.00030	.00002	.00064	.00232	.00033	.00021
%RSD	49.237	79.465	16.644	309.27	224.99	166.50	266.35
#1	.01125	.00016	-.00011	.00066	.00267	.00043	.00023
#2	.02327	.00059	-.00013	-.00025	-.00061	-.00003	-.00007
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	**3597.4**	**5226.4**	**70157.**	**14919.**
Stddev	.4	.2	124.	83.
%RSD	.01122	.00327	.17618	.55496
#1	3597.7	5226.6	70069.	14860.
#2	3597.1	5226.3	70244.	14977.

Sample Name: CCVL-1925066 Acquired: 3/13/2014 17:58:18 Type: QC
Method: ICAP1 New RLs at low cal point Mode: CONC Corr. Factor: 1.000000
User: AMH 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	**.00522**	**.21703**	**.01586**	**.02031**	**.00231**	**.00211**	**.51974**	**.00200**	**.00406**	**.00410**	**.01126**	**.04797**
Stddev	.00029	.00030	.00029	.00002	.00002	.00007	.00454	.00007	.00002	.00017	.00000	.00223
%RSD	5.5858	.13682	1.8577	.09834	1.0376	3.2598	.87315	3.4622	.38933	4.0774	.04432	4.6467
#1	.00543	.21682	.01607	.02029	.00233	.00216	.52295	.00195	.00405	.00422	.01126	.04639
#2	.00502	.21724	.01565	.02032	.00229	.00206	.51654	.00205	.00407	.00399	.01127	.04955
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	**.50972**	**.40291**	**.03121**	**.21873**	**.00345**	**.01007**	**1.0418**	**.01088**	**.01028**	**.2015**	**.01896**	**.02537**
Stddev	.00700	.00068	.00042	.00470	.00003	.00004	.0031	.00026	.00030	.0002	.00011	.00115
%RSD	1.3738	.16998	1.3466	2.1504	.94780	.39744	.30135	2.3459	2.9519	.0934	.56545	4.5440
#1	.51467	.40339	.03151	.21541	.00342	.01004	1.0396	.01069	.01049	.2017	.01904	.02619
#2	.50477	.40242	.03091	.22206	.00347	.01009	1.0440	.01106	.01006	.2014	.01888	.02456
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	**.53256**	**.01083**	**.00490**	**.00499**	**.01937**	**.00542**	**.01033**
Stddev	.00403	.00046	.00003	.00029	.00014	.00009	.00113
%RSD	.75601	4.2592	.53003	5.9158	.72089	1.6565	10.919
#1	.53541	.01050	.00488	.00519	.01927	.00548	.01112
#2	.52972	.01115	.00492	.00478	.01947	.00535	.00953
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	**3642.2**	**5321.5**	**70683.**	**15111.**
Stddev	3.9	.6	25.	9.
%RSD	.10778	.01212	.03475	.05937
#1	3645.0	5321.1	70700.	15105.
#2	3639.4	5322.0	70665.	15117.

Sample Name: LCS 480-169072/3-A Acquired: 3/13/2014 18:01:08 Type: Unk
Method: ICAP1 New RLs at low cal point Mode: CONC Corr. Factor: 1.000000
User: AMH 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	F **1.2142**	**.10576**	**1.1731**	**.06200**	**1.1058**	**1.0566**	**1.6052**	**1.1403**	**1.1095**
Stddev	.0017	.00045	.0034	.00004	.0045	.0066	.0075	.0026	.0006
%RSD	.14322	.42299	.28805	.06780	.40428	.62017	.46953	.23141	.04956
#1	1.2130	.10608	1.1755	.06203	1.1089	1.0612	1.6105	1.1421	1.1099
#2	1.2155	.10545	1.1707	.06197	1.1026	1.0520	1.5999	1.1384	1.1091
Check ?	Chk Fail	None	Chk Pass	None	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass
High Limit	1.2000								
Low Limit	.80000								

Elem	Cr2677	Cu3247	Fe2599	K_7664	K_7664-2	Li6707	Mg2790	Mn2576	Mo2020
Line	267.716 {126}	324.754 {104}	259.940 {130}	766.490 { 44}	766.490 { 44}2	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}
IS Ref	(Y_3600)	(Y_3600)	(Y_3774)	(Y_3774)	(Y_3774)	(Y_3774)	(Y_3600)	(Y_3600)	(Y_2243)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.1145**	**1.1503**	**.02011**	**.80263**	**1.5970**	**.00120**	**.31520**	**1.0662**	**1.0468**
Stddev	.0047	.0059	.00198	.02903	.0013	.00118	.00308	.0010	.0033
%RSD	.42374	.50898	9.8235	3.6170	.08393	97.690	.97620	.08989	.31221
#1	1.1111	1.1462	.01871	.82316	1.5960	.00037	.31302	1.0669	1.0491
#2	1.1178	1.1545	.02150	.78210	1.5979	.00204	.31737	1.0656	1.0445
Check ?	Chk Pass	Chk Pass	None	None	None	None	None	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Na8183	Ni2316	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899	Sr4077
Line	818.326 { 41}	231.604 {446}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}2	189.989 {477}	407.771 { 83}
IS Ref	(Y_3774)	(In2306)	(In2306)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3774)	(In2306)	(Y_3774)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1547.9**	**1.0751**	**1.0988**	F **.0496**	**1.1136**	**1.1788**	**.16312**	**.00128**	**1.0755**
Stddev	5.5	.0006	.0034	.0078	.0096	.0004	.01189	.00031	.0068
%RSD	.35726	.05766	.31358	15.69	.86173	.03018	7.2867	24.052	.63373
#1	1551.8	1.0755	1.1012	.0441	1.1204	1.1786	.15471	.00150	1.0803
#2	1544.0	1.0746	1.0964	.0551	1.1068	1.1791	.17152	.00106	1.0707
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	**.00178**	**1.0058**	**1.1797**	F **1.2342**
Stddev	.00064	.0042	.0029	.0056
%RSD	35.862	.41632	.24479	.45336
#1	.00223	1.0028	1.1777	1.2303
#2	.00133	1.0088	1.1818	1.2382
Check ?	None	Chk Pass	Chk Pass	Chk Fail
High Limit				1.2000
Low Limit				.80000

Int. Std.	In2306	Y_2243	Y_3600	Y_3774
Line	230.606 {446}	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**2697.3**	**4573.6**	**57138.**	**14225.**
Stddev	.7	4.5	153.	43.
%RSD	.02722	.09841	.26727	.30429
#1	2697.8	4570.4	57246.	14194.
#2	2696.8	4576.8	57030.	14255.

Sample Name: 480-55378-A-8-B@2 Acquired: 3/13/2014 18:03:59 Type: Unk
Method: ICAP1 New RLs at low cal point Mode: CONC Corr. Factor: 1.000000
User: AMH 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	**-.00024**	**.27451**	**.00173**	**.09579**	**1.4599**	**.00009**	**8.3598**	**.00686**	**.03315**
Stddev	.00080	.00130	.00076	.00019	.0010	.00007	.0024	.00009	.00008
%RSD	333.63	.47294	44.133	.19340	.06937	74.462	.02926	1.3344	.22859
#1	.00032	.27359	.00227	.09566	1.4592	.00014	8.3581	.00680	.03310
#2	-.00080	.27543	.00119	.09592	1.4607	.00004	8.3615	.00693	.03321
Check ?	Chk 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	**-.00234**	**.01322**	**301.08**	**.99390**	**1.9266**	**.00163**	**.71441**	**2.9510**	**-.00185**
Stddev	.00045	.00036	.31	.00054	.0026	.00065	.01615	.0045	.00007
%RSD	19.060	2.7040	.10238	.05453	.13552	39.966	2.2601	.15101	3.9505
#1	-.00265	.01297	301.29	.99352	1.9248	.00209	.70300	2.9479	-.00180
#2	-.00202	.01347	300.86	.99428	1.9285	.00117	.72583	2.9542	-.00190
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	**723.46**	**.13805**	**-.00241**	**.5400**	**.00885**	**.00074**	**.27746**	**.00604**	**.02273**
Stddev	.09	.00028	.00117	.0067	.00345	.00087	.01089	.00005	.00006
%RSD	.01271	.20170	48.315	1.235	39.040	116.96	3.9243	.81118	.24996
#1	723.52	.13786	-.00159	.5447	.00640	.00135	.26976	.00608	.02269
#2	723.39	.13825	-.00324	.5353	.01129	.00013	.28515	.00601	.02277
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**	**-.00453**	**.00380**	F **23.630**
Stddev	.00026	.00142	.00013	.193
%RSD	32.677	31.382	3.5030	.81527
#1	.00098	-.00352	.00370	23.494
#2	.00061	-.00553	.00389	23.766
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Fail
High Limit				18.000
Low Limit				-.01000

Int. Std.	In2306	Y_2243	Y_3600	Y_3774
Line	230.606 {446}	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**2858.9**	**4694.8**	**59614.**	**14340.**
Stddev	1.4	2.5	282.	31.
%RSD	.04916	.05382	.47239	.21406
#1	2859.9	4696.6	59813.	14318.
#2	2857.9	4693.1	59415.	14362.

Sample Name: CCV Acquired: 3/13/2014 18:06:58 Type: QC
Method: ICAP1 New RLs at low cal point Mode: CONC Corr. Factor: 1.000000
User: AMH 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	**.51611**	**26.027**	**.50790**	**.49365**	**.51379**	**.50368**	**25.598**	**.51021**	**.50886**	**.51877**	**.52630**	**24.933**
Stddev	.00113	.008	.00161	.00025	.00196	.00090	.046	.00047	.00016	.00351	.00103	.012
%RSD	.21961	.03047	.31757	.05062	.38195	.17847	.17880	.09204	.03199	.67723	.19574	.04900
#1	.51531	26.033	.50904	.49383	.51518	.50304	25.566	.50988	.50875	.51629	.52703	24.924
#2	.51691	26.022	.50676	.49348	.51241	.50431	25.631	.51055	.50898	.52126	.52557	24.942
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	**25.597**	**25.445**	**.50745**	**25.830**	**.51320**	**.51274**	**26.143**	**.50147**	**.50912**	**25.94**	**.52379**	**.50141**
Stddev	.068	.096	.00046	.065	.00078	.00017	.001	.00033	.00159	.07	.00073	.00037
%RSD	.26616	.37533	.09133	.25222	.15253	.03379	.00484	.06592	.31197	.2584	.13977	.07300
#1	25.645	25.512	.50778	25.876	.51376	.51287	26.143	.50123	.50799	25.99	.52431	.50115
#2	25.549	25.377	.50713	25.784	.51265	.51262	26.142	.50170	.51024	25.89	.52327	.50167
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	**25.724**	**.53406**	**.51690**	**.53965**	**.50311**	**.53566**	**.53236**
Stddev	.120	.00089	.00122	.00076	.00377	.00130	.00094
%RSD	.46584	.16581	.23515	.14031	.74981	.24340	.17625
#1	25.639	.53468	.51776	.54018	.50044	.53474	.53302
#2	25.808	.53343	.51604	.53911	.50577	.53658	.53170
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	**3287.9**	**5080.0**	**66783.**	**14704.**
Stddev	.4	1.5	61.	6.
%RSD	.01132	.03006	.09075	.04014
#1	3288.1	5081.1	66740.	14709.
#2	3287.6	5079.0	66826.	14700.

Sample Name: CCB Acquired: 3/13/2014 18:09:44 Type: QC
Method: ICAP1 New RLs at low cal point Mode: CONC Corr. Factor: 1.000000
User: AMH 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	**-.00002**	**-.00444**	**.00114**	**.00097**	**.00011**	**.00004**	**.02325**	**-.00002**	**.00002**	**-.00010**	**.00095**	**.00148**
Stddev	.00018	.00507	.00237	.00031	.00002	.00005	.00087	.00001	.00003	.00006	.00011	.00080
%RSD	805.28	114.05	208.23	31.526	20.762	107.03	3.7474	35.452	146.05	61.478	11.393	54.300
#1	-.00015	-.00802	.00281	.00119	.00010	.00001	.02387	-.00002	.00005	-.00006	.00087	.00205
#2	.00011	-.00086	-.00054	.00075	.00013	.00008	.02264	-.00001	-.00000	-.00014	.00103	.00091
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	**.03661**	**.00437**	**.00089**	**.00264**	**.00005**	**.00006**	**.04808**	**-.00008**	**.00088**	F **.0046**	**.00056**	**.00015**
Stddev	.01941	.00049	.00040	.00535	.00005	.00014	.00168	.00008	.00021	.0023	.00226	.00064
%RSD	53.006	11.199	44.534	203.02	105.44	217.78	3.4929	108.54	24.205	49.39	401.91	443.03
#1	.02289	.00471	.00061	-.00115	.00009	-.00003	.04927	-.00002	.00104	.0030	.00216	-.00031
#2	.05033	.00402	.00118	.00642	.00001	.00016	.04690	-.00014	.00073	.0062	-.00103	.00060
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
High Limit										.0030		
Low Limit										-.0040		

Elem	Si2881	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.02595**	**-.00017**	**-.00000**	**-.00005**	**-.00004**	**.00017**	**.00083**
Stddev	.00085	.00018	.00005	.00022	.00110	.00007	.00027
%RSD	3.2757	106.68	2457.8	468.96	2982.0	42.645	32.661
#1	.02535	-.00030	.00003	.00011	.00074	.00012	.00102
#2	.02655	-.00004	-.00003	-.00021	-.00082	.00022	.00064
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	**3559.6**	**5180.7**	**70509.**	**14876.**
Stddev	14.1	4.7	299.	115.
%RSD	.39595	.09166	.42428	.77260
#1	3569.6	5184.0	70297.	14795.
#2	3549.7	5177.3	70720.	14958.

Sample Name: CCVL Acquired: 3/13/2014 18:12:36 Type: QC
Method: ICAP1 New RLs at low cal point Mode: CONC Corr. Factor: 1.000000
User: AMH 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	**.00605**	**.19523**	**.01676**	**.01991**	**.00229**	**.00207**	**.49638**	**.00203**	**.00400**	**.00392**	**.01041**	**.04892**
Stddev	.00008	.00795	.00019	.00055	.00000	.00010	.00182	.00003	.00005	.00021	.00005	.00095
%RSD	1.2725	4.0747	1.1183	2.7662	.02800	4.6623	.36592	1.3269	1.2223	5.3559	.50687	1.9459
#1	.00600	.20085	.01689	.02030	.00229	.00214	.49510	.00201	.00396	.00407	.01037	.04959
#2	.00611	.18960	.01662	.01952	.00229	.00200	.49767	.00205	.00403	.00378	.01045	.04825
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	**.48501**	**.39659**	**.03018**	**.21025**	**.00337**	**.00996**	**1.0200**	**.01101**	**.00946**	**.2043**	**.01864**	**.02445**
Stddev	.01705	.00180	.00019	.00270	.00012	.00005	.0075	.00003	.00067	.0022	.00070	.00165
%RSD	3.5162	.45399	.63105	1.2837	3.6800	.49525	.73381	.25691	7.1293	1.084	3.7619	6.7372
#1	.47295	.39787	.03005	.21215	.00345	.00999	1.0253	.01103	.00993	.2059	.01914	.02329
#2	.49707	.39532	.03032	.20834	.00328	.00992	1.0147	.01099	.00898	.2028	.01815	.02562
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	**.51029**	**.01075**	**.00468**	**.00476**	**.02004**	**.00521**	**.00970**
Stddev	.00214	.00044	.00014	.00019	.00014	.00013	.00002
%RSD	.41855	4.1326	3.0705	3.9488	.67527	2.5513	.25600
#1	.50878	.01107	.00478	.00463	.02014	.00512	.00972
#2	.51180	.01044	.00458	.00490	.01994	.00531	.00969
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	**3636.4**	**5262.0**	**71434.**	**15108.**
Stddev	3.3	8.5	174.	83.
%RSD	.09041	.16077	.24366	.54795
#1	3638.7	5268.0	71310.	15050.
#2	3634.1	5256.0	71557.	15167.

Sample Name: 480-55378-A-8-B@5 Acquired: 3/13/2014 18:15:27 Type: Unk
Method: ICAP1 New RLs at low cal point Mode: CONC Corr. Factor: 1.000000
User: AMH 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	**-.00021**	**.08877**	**.00190**	**.03970**	**.55881**	**.00002**	**3.1352**	**.00281**	**.01310**
Stddev	.00042	.00604	.00047	.00021	.00164	.00008	.0156	.00001	.00031
%RSD	195.30	6.8065	24.508	.52480	.29302	314.04	.49660	.44369	2.3649
#1	.00008	.08450	.00223	.03956	.55765	.00008	3.1242	.00280	.01288
#2	-.00051	.09304	.00157	.03985	.55997	-.00003	3.1462	.00282	.01332
Check ?	Chk 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	**-.00091**	**.00519**	**110.26**	**.35910**	**.57075**	**.00162**	**.27865**	**1.1518**	**-.00103**
Stddev	.00003	.00007	.69	.02496	.00572	.00079	.00082	.0042	.00004
%RSD	3.2741	1.3904	.62248	6.9507	1.0015	49.090	.29580	.36821	3.7581
#1	-.00089	.00524	109.77	.34145	.56671	.00218	.27806	1.1488	-.00105
#2	-.00093	.00514	110.74	.37675	.57480	.00106	.27923	1.1548	-.00100
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	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	**283.49**	**.05545**	**.00063**	**.2169**	**-.00037**	**-.00013**	**.09985**	**.00203**	**.00835**
Stddev	1.02	.00086	.00028	.0036	.00074	.00209	.01347	.00029	.00002
%RSD	.35920	1.5525	44.030	1.646	199.87	1596.5	13.495	14.271	.23146
#1	282.77	.05484	.00082	.2144	-.00089	-.00161	.09032	.00183	.00836
#2	284.21	.05606	.00043	.2195	.00015	.00135	.10938	.00224	.00834
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**	**-.00207**	**.00160**	**8.8304**
Stddev	.00031	.00162	.00016	.0366
%RSD	520.21	78.590	9.6828	.41463
#1	.00016	-.00092	.00149	8.8045
#2	-.00028	-.00322	.00171	8.8563
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				
Low Limit				

Int. Std.	In2306	Y_2243	Y_3600	Y_3774
Line	230.606 {446}	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**3070.5**	**4808.6**	**64909.**	**14673.**
Stddev	8.0	12.9	45.	44.
%RSD	.26013	.26870	.06945	.30303
#1	3064.9	4799.4	64941.	14705.
#2	3076.2	4817.7	64877.	14642.

Sample Name: 480-55666-E-2-A Acquired: 3/13/2014 18:18:25 Type: Unk
Method: ICAP1 New RLs at low cal point Mode: CONC Corr. Factor: 1.000000
User: AMH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	B_2089	Ba4554-2	Be3130	Ca3179	Cd2288	Co2286
Line	328.068 {103}	308.215 {109}	189.042 {478}	208.959 {461}	455.403 { 74}2	313.042 {108}	317.933 {106}	228.802 {447}	228.616 {447}
IS Ref	(Y_3600)	(Y_3774)	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3774)	(Y_3774)	(Y_2243)	(In2306)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00026**	**.02417**	**.00182**	**.61209**	**.22329**	**.00001**	**131.13**	**.00023**	**.00139**
Stddev	.00060	.00901	.00141	.00138	.00068	.00002	.21	.00004	.00007
%RSD	232.86	37.255	77.357	.22468	.30279	218.83	.16254	15.672	5.2942
#1	.00068	.03054	.00082	.61112	.22377	-.00000	131.28	.00021	.00134
#2	-.00017	.01781	.00281	.61307	.22282	.00002	130.98	.00026	.00144
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Cr2677	Cu3247	Fe2599	K_7664	K_7664-2	Li6707	Mg2790	Mn2576	Mo2020
Line	267.716 {126}	324.754 {104}	259.940 {130}	766.490 { 44}	766.490 { 44}2	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}
IS Ref	(Y_3600)	(Y_3600)	(Y_3774)	(Y_3774)	(Y_3774)	(Y_3774)	(Y_3600)	(Y_3600)	(Y_2243)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00151**	**.00194**	**17.852**	**25.324**	**28.866**	**.00879**	**25.764**	**.59997**	**.00006**
Stddev	.00018	.00019	.015	.000	.264	.00007	.021	.00164	.00002
%RSD	11.920	9.6627	.08324	.00012	.91289	.78671	.08256	.27403	29.638
#1	.00164	.00180	17.842	25.324	29.053	.00874	25.779	.60113	.00005
#2	.00138	.00207	17.863	25.324	28.680	.00883	25.749	.59881	.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	**61.740**	**.00253**	**.00134**	**3.573**	**-.00160**	**.00088**	**3.9119**	**.00014**	**.74857**
Stddev	.136	.00070	.00187	.005	.00027	.00217	.0158	.00026	.00108
%RSD	.22088	27.721	139.51	.1480	17.166	247.74	.40466	183.82	.14392
#1	61.644	.00203	.00266	3.569	-.00141	-.00066	3.9230	.00032	.74933
#2	61.837	.00302	.00002	3.577	-.00179	.00241	3.9007	-.00004	.74781
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	**.00181**	**.00024**	**.00196**	**.00266**
Stddev	.00006	.00092	.00024	.00037
%RSD	3.3754	388.35	12.285	13.801
#1	.00176	.00088	.00179	.00291
#2	.00185	-.00041	.00213	.00240
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				
Low Limit				

Int. Std.	In2306	Y_2243	Y_3600	Y_3774
Line	230.606 {446}	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**3137.3**	**4795.8**	**66554.**	**14796.**
Stddev	2.5	3.9	146.	34.
%RSD	.07988	.08174	.21892	.22768
#1	3139.0	4798.6	66451.	14772.
#2	3135.5	4793.0	66658.	14820.

Sample Name: 480-55666-E-2-A@2 Acquired: 3/13/2014 18:21:15 Type: Unk
Method: ICAP1 New RLs at low cal point Mode: CONC Corr. Factor: 1.000000
User: AMH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	B_2089	Ba4554-2	Be3130	Ca3179	Cd2288	Co2286
Line	328.068 {103}	308.215 {109}	189.042 {478}	208.959 {461}	455.403 { 74}2	313.042 {108}	317.933 {106}	228.802 {447}	228.616 {447}
IS Ref	(Y_3600)	(Y_3774)	(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**	**.01642**	**-.00000**	**.30435**	**.11182**	**.00003**	**64.746**	**.00020**	**.00070**
Stddev	.00009	.00698	.00116	.00038	.00069	.00005	.063	.00008	.00004
%RSD	21.667	42.535	93610.	.12368	.61642	172.62	.09750	39.184	6.3729
#1	-.00049	.01148	-.00082	.30409	.11231	.00006	64.701	.00014	.00074
#2	-.00036	.02136	.00082	.30462	.11134	-.00001	64.790	.00025	.00067
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Cr2677	Cu3247	Fe2599	K_7664	K_7664-2	Li6707	Mg2790	Mn2576	Mo2020
Line	267.716 {126}	324.754 {104}	259.940 {130}	766.490 { 44}	766.490 { 44}2	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}
IS Ref	(Y_3600)	(Y_3600)	(Y_3774)	(Y_3774)	(Y_3774)	(Y_3774)	(Y_3600)	(Y_3600)	(Y_2243)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00090**	**.00110**	**9.0437**	**12.324**	**13.255**	**.00499**	**12.794**	**.30193**	**-.00021**
Stddev	.00023	.00003	.0329	.040	.037	.00027	.079	.00205	.00006
%RSD	25.449	2.5786	.36427	.32438	.27814	5.4670	.61813	.68019	26.615
#1	.00074	.00112	9.0204	12.352	13.229	.00480	12.850	.30339	-.00025
#2	.00106	.00108	9.0670	12.295	13.281	.00518	12.738	.30048	-.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	**30.183**	**.00158**	**.00053**	**1.722**	**-.00169**	**-.00065**	**1.9217**	**-.00051**	**.36790**
Stddev	.128	.00030	.00082	.006	.00048	.00038	.0053	.00018	.00080
%RSD	.42302	18.866	154.52	.3712	28.584	59.072	.27345	36.131	.21748
#1	30.274	.00179	-.00005	1.727	-.00135	-.00038	1.9180	-.00064	.36846
#2	30.093	.00137	.00111	1.718	-.00203	-.00092	1.9254	-.00038	.36733
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	**.00087**	**.00056**	**.00096**	**.00091**
Stddev	.00007	.00096	.00017	.00024
%RSD	8.2544	170.99	17.391	26.665
#1	.00092	-.00012	.00084	.00074
#2	.00082	.00124	.00108	.00109
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				
Low Limit				

Int. Std.	In2306	Y_2243	Y_3600	Y_3774
Line	230.606 {446}	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**3284.2**	**4877.3**	**68446.**	**14994.**
Stddev	5.5	3.7	516.	31.
%RSD	.16612	.07522	.75443	.20542
#1	3288.1	4879.9	68081.	15016.
#2	3280.4	4874.7	68812.	14972.

Sample Name: 480-55666-E-2-A@5 Acquired: 3/13/2014 18:24:07 Type: Unk
Method: ICAP1 New RLs at low cal point Mode: CONC Corr. Factor: 1.000000
User: AMH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	B_2089	Ba4554-2	Be3130	Ca3179	Cd2288	Co2286
Line	328.068 {103}	308.215 {109}	189.042 {478}	208.959 {461}	455.403 { 74}2	313.042 {108}	317.933 {106}	228.802 {447}	228.616 {447}
IS Ref	(Y_3600)	(Y_3774)	(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**	**.01412**	**.00124**	**.12081**	**.04423**	**-.00000**	**25.664**	**-.00000**	**.00031**
Stddev	.00058	.00861	.00018	.00020	.00000	.00005	.170	.00013	.00003
%RSD	190.98	60.946	14.690	.16660	.00404	6454.8	.66310	5155.7	8.8203
#1	-.00071	.00804	.00111	.12067	.04423	-.00004	25.543	.00009	.00033
#2	.00011	.02021	.00137	.12096	.04424	.00003	25.784	-.00009	.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	**.00051**	**.00027**	**3.6291**	**4.8142**	**4.6176**	**.00280**	**5.0413**	**.12109**	**-.00032**
Stddev	.00006	.00016	.0039	.0138	.0328	.00052	.0174	.00068	.00002
%RSD	12.500	61.440	.10609	.28581	.70971	18.604	.34547	.55921	6.5347
#1	.00047	.00038	3.6318	4.8044	4.6408	.00243	5.0290	.12061	-.00033
#2	.00056	.00015	3.6264	4.8239	4.5944	.00317	5.0536	.12157	-.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	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	**11.733**	**.00029**	**.00069**	**.6672**	**-.00074**	**.00070**	**.75552**	**-.00015**	**.14482**
Stddev	.044	.00026	.00034	.0089	.00005	.00003	.00832	.00037	.00040
%RSD	.37412	87.578	49.326	1.332	6.3254	4.1793	1.1018	252.82	.27336
#1	11.702	.00011	.00093	.6609	-.00070	.00068	.74964	-.00040	.14454
#2	11.764	.00048	.00045	.6735	-.00077	.00072	.76141	.00011	.14510
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**	**.00114**	**.00067**	**.00026**
Stddev	.00011	.00288	.00011	.00004
%RSD	18.665	253.29	16.848	14.747
#1	.00050	.00318	.00076	.00029
#2	.00066	-.00090	.00059	.00023
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				
Low Limit				

Int. Std.	In2306	Y_2243	Y_3600	Y_3774
Line	230.606 {446}	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**3433.7**	**4976.3**	**70820.**	**15094.**
Stddev	3.6	11.3	314.	77.
%RSD	.10539	.22806	.44352	.50946
#1	3431.1	4968.3	71042.	15148.
#2	3436.2	4984.3	70598.	15040.

Sample Name: LCS 480-168587/2-A Acquired: 3/13/2014 18:26:54 Type: Unk
Method: ICAP1 New RLs at low cal point Mode: CONC Corr. Factor: 1.000000
User: AMH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	B_2089	Ba4554-2	Be3130	Ca3179	Cd2288	Co2286
Line	328.068 {103}	308.215 {109}	189.042 {478}	208.959 {461}	455.403 { 74}2	313.042 {108}	317.933 {106}	228.802 {447}	228.616 {447}
IS Ref	(Y_3600)	(Y_3774)	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3774)	(Y_3774)	(Y_2243)	(In2306)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F **-.00035**	F **.00920**	F **.00050**	F **.00182**	F **.00012**	F **-.00001**	F **.01540**	F **-.00009**	F **.00002**
Stddev	.00062	.00225	.00100	.00004	.00001	.00003	.00147	.00005	.00000
%RSD	175.69	24.446	201.72	2.4611	10.967	379.51	9.5377	60.619	10.660
#1	-.00079	.01079	.00121	.00185	.00011	.00001	.01436	-.00012	.00002
#2	.00008	.00761	-.00021	.00179	.00013	-.00003	.01644	-.00005	.00002
Check ?	Chk Fail	Chk Fail	Chk Fail	Chk Fail	Chk Fail	Chk Fail	Chk Fail	Chk Fail	Chk Fail
High Limit	.05750	11.500	.23000	.23000	.23000	.23000	11.500	.23000	.23000
Low Limit	.04250	8.5000	.17000	.17000	.17000	.17000	8.5000	.17000	.17000

Elem	Cr2677	Cu3247	Fe2599	K_7664	K_7664-2	Li6707	Mg2790	Mn2576	Mo2020
Line	267.716 {126}	324.754 {104}	259.940 {130}	766.490 { 44}	766.490 { 44}2	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}
IS Ref	(Y_3600)	(Y_3600)	(Y_3774)	(Y_3774)	(Y_3774)	(Y_3774)	(Y_3600)	(Y_3600)	(Y_2243)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F **.00018**	F **.00048**	F **-.00041**	F **-.01661**	F **.00150**	F **.00146**	F **.00428**	F **.00034**	F **-.00009**
Stddev	.00004	.00003	.00156	.02172	.00012	.00031	.00005	.00009	.00001
%RSD	20.342	6.6191	383.09	130.77	7.8574	20.994	1.0631	27.315	5.9667
#1	.00015	.00050	-.00151	-.03196	.00142	.00168	.00425	.00027	-.00010
#2	.00020	.00046	.00069	-.00125	.00158	.00125	.00431	.00040	-.00009
Check ?	Chk Fail	Chk Fail	Chk Fail	Chk Fail	Chk Fail	Chk Fail	Chk Fail	Chk Fail	Chk Fail
High Limit	.23000	.23000	11.500	11.500	11.500	.23000	11.500	.23000	.23000
Low Limit	.17000	.17000	8.5000	8.5000	8.5000	.17000	8.5000	.17000	.17000

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	F **.01910**	F **-.00048**	F **.00099**	F **.0058**	F **-.00087**	F **.00125**	F **-.00050**	F **-.00022**	F **.00004**
Stddev	.00572	.00020	.00021	.0018	.00090	.00116	.00549	.00039	.00011
%RSD	29.931	42.810	20.789	31.67	103.50	93.114	1108.0	176.70	278.65
#1	.01506	-.00033	.00085	.0045	-.00023	.00207	.00338	-.00050	.00012
#2	.02314	-.00062	.00114	.0070	-.00150	.00043	-.00437	.00006	-.00004
Check ?	Chk Fail	Chk Fail	Chk Fail	Chk Fail	Chk Fail	Chk Fail	Chk Fail	Chk Fail	Chk Fail
High Limit	11.500	.23000	.23000	11.50	.23000	.23000	11.500	.23000	.23000
Low Limit	8.5000	.17000	.17000	8.500	.17000	.17000	8.5000	.17000	.17000

Elem	Ti3349	Tl1908	V_2924	Zn2062
Line	334.904 {101}	190.856 {477}	292.402 {115}	206.200 {163}
IS Ref	(Y_3600)	(In2306)	(Y_3600)	(Y_3600)
Units	ppm	ppm	ppm	ppm
Avg	F **-.00011**	F **-.00037**	F **.00013**	F **.00013**
Stddev	.00013	.00055	.00009	.00024
%RSD	115.39	150.43	73.347	179.55
#1	-.00002	-.00076	.00006	.00030
#2	-.00021	.00002	.00019	-.00004
Check ?	Chk Fail	Chk Fail	Chk Fail	Chk Fail
High Limit	.23000	.23000	.23000	.23000
Low Limit	.17000	.17000	.17000	.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	**3643.5**	**5161.1**	**74320.**	**15588.**
Stddev	3.9	2.2	195.	6.
%RSD	.10795	.04177	.26199	.03763
#1	3646.3	5162.7	74182.	15584.
#2	3640.7	5159.6	74458.	15592.

Sample Name: 480-54841-E-7-B@5 Acquired: 3/13/2014 18:29:45 Type: Unk
Method: ICAP1 New RLs at low cal point Mode: CONC Corr. Factor: 1.000000
User: AMH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	B_2089	Ba4554-2	Be3130	Ca3179	Cd2288	Co2286
Line	328.068 {103}	308.215 {109}	189.042 {478}	208.959 {461}	455.403 { 74}2	313.042 {108}	317.933 {106}	228.802 {447}	228.616 {447}
IS Ref	(Y_3600)	(Y_3774)	(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**	**.03164**	**.00230**	**1.7291**	**.00415**	**.00003**	**145.88**	**.00029**	**.00006**
Stddev	.00111	.01043	.00018	.0029	.00003	.00001	.53	.00003	.00002
%RSD	354.92	32.973	8.0417	.16501	.74606	39.798	.36302	11.474	30.572
#1	.00047	.03902	.00243	1.7270	.00412	.00004	145.50	.00026	.00005
#2	-.00110	.02426	.00217	1.7311	.00417	.00002	146.25	.00031	.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	**.00044**	**.00120**	**.31413**	**18.163**	**32.732**	**.43216**	**19.216**	**.00777**	**.00044**
Stddev	.00007	.00007	.00190	.083	.071	.00053	.051	.00007	.00009
%RSD	16.244	6.0652	.60478	.45434	.21698	.12164	.26411	.86445	20.711
#1	.00039	.00125	.31547	18.104	32.782	.43178	19.180	.00772	.00050
#2	.00049	.00114	.31279	18.221	32.682	.43253	19.252	.00782	.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	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	**819.73**	**-.00010**	**-.00130**	F **228.9**	**-.00123**	**.00193**	**.65339**	**-.00026**	**3.0088**
Stddev	.77	.00021	.00052	.4	.00024	.00153	.01134	.00004	.0164
%RSD	.09370	200.70	39.976	.1948	19.630	79.494	1.7359	13.665	.54446
#1	819.18	-.00025	-.00167	228.5	-.00106	.00301	.64537	-.00028	2.9972
#2	820.27	.00004	-.00094	229.2	-.00140	.00084	.66141	-.00023	3.0204
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				9.000					
Low Limit				-.2000					

Elem	Ti3349	Tl1908	V_2924	Zn2062
Line	334.904 {101}	190.856 {477}	292.402 {115}	206.200 {163}
IS Ref	(Y_3600)	(In2306)	(Y_3600)	(Y_3600)
Units	ppm	ppm	ppm	ppm
Avg	**.00136**	**-.00114**	**.00007**	**-.00074**
Stddev	.00121	.00027	.00023	.00031
%RSD	89.408	23.795	347.24	41.830
#1	.00050	-.00133	.00023	-.00095
#2	.00222	-.00095	-.00010	-.00052
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				
Low Limit				

Int. Std.	In2306	Y_2243	Y_3600	Y_3774
Line	230.606 {446}	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**2795.1**	**4558.7**	**61793.**	**14460.**
Stddev	2.9	.4	22.	36.
%RSD	.10277	.00948	.03569	.25188
#1	2797.2	4559.0	61809.	14486.
#2	2793.1	4558.4	61778.	14435.

Sample Name: 480-55444-D-1-A@5 Acquired: 3/13/2014 18:32:43 Type: Unk
Method: ICAP1 New RLs at low cal point Mode: CONC Corr. Factor: 1.000000
User: AMH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	B_2089	Ba4554-2	Be3130	Ca3179	Cd2288	Co2286
Line	328.068 {103}	308.215 {109}	189.042 {478}	208.959 {461}	455.403 { 74}2	313.042 {108}	317.933 {106}	228.802 {447}	228.616 {447}
IS Ref	(Y_3600)	(Y_3774)	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3774)	(Y_3774)	(Y_2243)	(In2306)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00060**	**.04909**	**.04129**	**1.7460**	**.12359**	**-.00001**	**16.258**	**.00015**	**.00724**
Stddev	.00040	.00402	.00128	.0039	.00055	.00000	.022	.00004	.00002
%RSD	65.940	8.1987	3.0913	.22228	.44136	52.188	.13709	29.277	.29943
#1	.00032	.04624	.04219	1.7487	.12397	-.00001	16.242	.00018	.00723
#2	.00088	.05194	.04038	1.7432	.12320	-.00000	16.274	.00012	.00726
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Cr2677	Cu3247	Fe2599	K_7664	K_7664-2	Li6707	Mg2790	Mn2576	Mo2020
Line	267.716 {126}	324.754 {104}	259.940 {130}	766.490 { 44}	766.490 { 44}2	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}
IS Ref	(Y_3600)	(Y_3600)	(Y_3774)	(Y_3774)	(Y_3774)	(Y_3774)	(Y_3600)	(Y_3600)	(Y_2243)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.02409**	**.00339**	**1.4473**	**141.09**	**^ *******	**.03510**	**25.951**	**.02711**	**.00184**
Stddev	.00041	.00013	.0107	.15	-----	.00013	.106	.00024	.00029
%RSD	1.7040	3.9654	.74173	.10379	-----	.37526	.40695	.88887	16.001
#1	.02438	.00330	1.4397	141.19	^ -----	.03501	26.026	.02728	.00205
#2	.02380	.00349	1.4549	140.99	^ -----	.03520	25.876	.02694	.00163
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	**527.71**	**.04602**	**.00086**	F **11.82**	**.00019**	**.00303**	**2.9878**	**.00349**	**.19707**
Stddev	.47	.00029	.00021	.02	.00184	.00112	.0014	.00029	.00024
%RSD	.08868	.62272	24.196	.1289	951.96	37.014	.04824	8.4433	.12041
#1	528.04	.04622	.00071	11.81	.00150	.00223	2.9868	.00369	.19723
#2	527.38	.04582	.00100	11.83	-.00111	.00382	2.9888	.00328	.19690
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				9.000					
Low Limit				-.2000					

Elem	Ti3349	Tl1908	V_2924	Zn2062
Line	334.904 {101}	190.856 {477}	292.402 {115}	206.200 {163}
IS Ref	(Y_3600)	(In2306)	(Y_3600)	(Y_3600)
Units	ppm	ppm	ppm	ppm
Avg	**.04020**	**.00007**	**.01437**	**.01196**
Stddev	.00071	.00071	.00019	.00010
%RSD	1.7592	992.05	1.2933	.87258
#1	.04070	-.00043	.01423	.01189
#2	.03970	.00058	.01450	.01203
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				
Low Limit				

Int. Std.	In2306	Y_2243	Y_3600	Y_3774
Line	230.606 {446}	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**2920.9**	**4699.9**	**63282.**	**14841.**
Stddev	3.3	3.2	377.	24.
%RSD	.11372	.06756	.59588	.16404
#1	2923.3	4697.6	63015.	14858.
#2	2918.6	4702.1	63548.	14823.

Sample Name: RB Acquired: 3/13/2014 18:35:38 Type: Unk
Method: ICAP1 New RLs at low cal point Mode: CONC Corr. Factor: 1.000000
User: AMH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	B_2089	Ba4554-2	Be3130	Ca3179	Cd2288	Co2286
Line	328.068 {103}	308.215 {109}	189.042 {478}	208.959 {461}	455.403 { 74}2	313.042 {108}	317.933 {106}	228.802 {447}	228.616 {447}
IS Ref	(Y_3600)	(Y_3774)	(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**	**-.00245**	**-.00094**	**.00349**	**.00013**	**.00001**	**.00465**	**-.00001**	**.00001**
Stddev	.00031	.00209	.00314	.00032	.00000	.00004	.00118	.00004	.00005
%RSD	41.391	84.997	335.50	9.0624	3.8401	381.87	25.281	647.90	395.22
#1	-.00096	-.00393	-.00316	.00371	.00012	-.00002	.00382	-.00004	.00005
#2	-.00052	-.00098	.00129	.00327	.00013	.00004	.00548	.00002	-.00002
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Cr2677	Cu3247	Fe2599	K_7664	K_7664-2	Li6707	Mg2790	Mn2576	Mo2020
Line	267.716 {126}	324.754 {104}	259.940 {130}	766.490 { 44}	766.490 { 44}2	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}
IS Ref	(Y_3600)	(Y_3600)	(Y_3774)	(Y_3774)	(Y_3774)	(Y_3774)	(Y_3600)	(Y_3600)	(Y_2243)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00024**	**.00088**	**-.00242**	**.05015**	**.00785**	**.00097**	**.00282**	**-.00003**	**-.00008**
Stddev	.00006	.00000	.00211	.01979	.00068	.00003	.00181	.00002	.00011
%RSD	26.070	.33497	87.024	39.453	8.7103	2.6436	64.306	44.239	125.79
#1	-.00020	.00088	-.00093	.06414	.00833	.00099	.00154	-.00004	-.00001
#2	-.00029	.00088	-.00391	.03616	.00736	.00095	.00410	-.00002	-.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	**.09004**	**-.00013**	**.00021**	**.0045**	**-.00020**	**.00015**	**.02933**	**.00001**	**-.00007**
Stddev	.01340	.00003	.00030	.0053	.00095	.00075	.01070	.00028	.00012
%RSD	14.878	25.171	142.42	118.7	467.11	509.47	36.476	2792.8	166.07
#1	.09951	-.00011	-.00000	.0082	.00047	.00067	.02176	.00021	.00001
#2	.08057	-.00015	.00042	.0007	-.00088	-.00038	.03689	-.00019	-.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	Ti3349	Tl1908	V_2924	Zn2062
Line	334.904 {101}	190.856 {477}	292.402 {115}	206.200 {163}
IS Ref	(Y_3600)	(In2306)	(Y_3600)	(Y_3600)
Units	ppm	ppm	ppm	ppm
Avg	**-.00000**	**.00014**	**.00032**	**.00004**
Stddev	.00006	.00141	.00030	.00056
%RSD	1852.7	985.32	94.185	1431.6
#1	-.00005	.00114	.00053	.00043
#2	.00004	-.00085	.00011	-.00035
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				
Low Limit				

Int. Std.	In2306	Y_2243	Y_3600	Y_3774
Line	230.606 {446}	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**3626.4**	**5232.8**	**71235.**	**14814.**
Stddev	3.5	1.3	125.	34.
%RSD	.09665	.02457	.17538	.23124
#1	3628.8	5231.9	71324.	14838.
#2	3623.9	5233.7	71147.	14790.

Sample Name: RB Acquired: 3/13/2014 18:38:28 Type: Unk
Method: ICAP1 New RLs at low cal point Mode: CONC Corr. Factor: 1.000000
User: AMH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	B_2089	Ba4554-2	Be3130	Ca3179	Cd2288	Co2286
Line	328.068 {103}	308.215 {109}	189.042 {478}	208.959 {461}	455.403 { 74}2	313.042 {108}	317.933 {106}	228.802 {447}	228.616 {447}
IS Ref	(Y_3600)	(Y_3774)	(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**	**.00189**	**-.00150**	**.00232**	**.00011**	**-.00002**	**.00228**	**.00004**	**-.00002**
Stddev	.00033	.01376	.00103	.00008	.00003	.00001	.00057	.00005	.00003
%RSD	218.44	728.43	68.685	3.5392	23.534	48.002	24.767	105.38	140.15
#1	-.00008	.01162	-.00223	.00238	.00012	-.00001	.00188	.00008	-.00000
#2	.00038	-.00784	-.00077	.00226	.00009	-.00003	.00268	.00001	-.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	**-.00019**	**.00065**	**-.00311**	**.01164**	**.01514**	**.00169**	**.00847**	**.00002**	**.00001**
Stddev	.00042	.00010	.00027	.01531	.00749	.00026	.00358	.00004	.00015
%RSD	215.39	14.777	8.6315	131.59	49.469	15.621	42.307	207.69	1015.6
#1	.00010	.00072	-.00330	.00081	.02043	.00188	.01101	.00005	.00012
#2	-.00049	.00059	-.00292	.02247	.00984	.00151	.00594	-.00001	-.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	**.04722**	**-.00032**	**.00088**	**.0011**	**-.00109**	**.00009**	**.01901**	**.00006**	**-.00011**
Stddev	.00753	.00013	.00041	.0017	.00008	.00017	.00426	.00001	.00002
%RSD	15.938	39.989	45.965	149.5	7.1201	189.32	22.385	15.575	21.657
#1	.04190	-.00041	.00060	.0023	-.00104	-.00003	.02202	.00005	-.00012
#2	.05254	-.00023	.00117	-.0001	-.00115	.00021	.01600	.00006	-.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	Ti3349	Tl1908	V_2924	Zn2062
Line	334.904 {101}	190.856 {477}	292.402 {115}	206.200 {163}
IS Ref	(Y_3600)	(In2306)	(Y_3600)	(Y_3600)
Units	ppm	ppm	ppm	ppm
Avg	**-.00020**	**-.00094**	**.00028**	**.00022**
Stddev	.00001	.00121	.00014	.00014
%RSD	3.0418	128.92	50.401	62.324
#1	-.00020	-.00008	.00018	.00012
#2	-.00020	-.00180	.00039	.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	**3621.9**	**5238.6**	**71616.**	**15020.**
Stddev	5.9	3.5	13.	127.
%RSD	.16305	.06760	.01841	.84399
#1	3626.1	5241.1	71626.	14930.
#2	3617.7	5236.1	71607.	15109.

Sample Name: CCV Acquired: 3/13/2014 18:41:20 Type: QC
Method: ICAP1 New RLs at low cal point Mode: CONC Corr. Factor: 1.000000
User: AMH 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	**.51136**	**26.032**	**.51453**	**.49660**	**.51584**	**.50676**	**25.522**	**.50665**	**.50769**	**.51828**	**.52315**	**25.127**
Stddev	.00215	.083	.00086	.00058	.00145	.00156	.031	.00012	.00030	.00093	.00299	.090
%RSD	.42117	.31690	.16773	.11583	.28186	.30761	.12130	.02343	.05979	.17919	.57141	.35966
#1	.50984	25.973	.51514	.49620	.51482	.50787	25.500	.50673	.50748	.51894	.52526	25.191
#2	.51288	26.090	.51392	.49701	.51687	.50566	25.544	.50656	.50791	.51762	.52103	25.063
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	**25.702**	**25.441**	**.51257**	**25.700**	**.51440**	**.51106**	**25.863**	**.50311**	**.50914**	**25.52**	**.51708**	**.50790**
Stddev	.145	.499	.00394	.122	.00074	.00061	.126	.00028	.00052	.04	.00007	.00326
%RSD	.56601	1.9627	.76930	.47467	.14395	.11941	.48680	.05590	.10295	.1525	.01287	.64226
#1	25.599	25.794	.50979	25.614	.51388	.51063	25.774	.50291	.50877	25.55	.51712	.51021
#2	25.805	25.087	.51536	25.786	.51493	.51149	25.952	.50331	.50951	25.50	.51703	.50560
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	**25.585**	**.52953**	**.51684**	**.52772**	**.50452**	**.52608**	**.53145**
Stddev	.120	.00084	.00203	.00143	.00181	.00047	.00391
%RSD	.46727	.15803	.39244	.27157	.35921	.08869	.73582
#1	25.501	.52893	.51541	.52671	.50580	.52641	.52869
#2	25.670	.53012	.51827	.52874	.50324	.52575	.53422
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	**3320.0**	**5123.6**	**67734.**	**14805.**
Stddev	4.1	4.0	87.	17.
%RSD	.12240	.07821	.12841	.11393
#1	3322.9	5126.4	67672.	14793.
#2	3317.2	5120.8	67795.	14817.

Sample Name: CCB Acquired: 3/13/2014 18:44:06 Type: QC
Method: ICAP1 New RLs at low cal point Mode: CONC Corr. Factor: 1.000000
User: AMH 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	**-.00010**	**-.00516**	**.00069**	**.00205**	**.00007**	**.00007**	**.01801**	**.00001**	**.00009**	**.00013**	**.00123**	**-.00182**
Stddev	.00017	.01065	.00047	.00009	.00001	.00003	.00198	.00009	.00004	.00016	.00026	.00085
%RSD	175.35	206.56	68.195	4.5039	8.3946	34.929	11.017	1330.8	44.922	118.07	21.509	46.448
#1	.00002	.00237	.00102	.00198	.00007	.00009	.01941	-.00006	.00011	.00024	.00142	-.00122
#2	-.00022	-.01269	.00036	.00211	.00007	.00006	.01660	.00007	.00006	.00002	.00104	-.00242
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	**.00575**	**.00504**	**.00170**	**.00327**	**.00002**	**.00008**	**.02046**	**-.00022**	**.00032**	**.0020**	**-.00083**	**.00356**
Stddev	.05577	.00039	.00081	.00263	.00010	.00006	.00178	.00022	.00046	.0044	.00096	.00107
%RSD	969.82	7.6422	47.688	80.591	457.32	83.318	8.7139	100.78	144.85	214.4	115.51	30.104
#1	-.03369	.00532	.00112	.00513	-.00005	.00003	.02172	-.00006	.00064	-.0011	-.00150	.00432
#2	.04519	.00477	.00227	.00141	.00009	.00012	.01920	-.00038	-.00001	.0051	-.00015	.00281
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	Si2881	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.02321**	**-.00025**	**-.00008**	**-.00005**	**.00066**	**-.00011**	**.00115**
Stddev	.00181	.00012	.00002	.00006	.00062	.00002	.00006
%RSD	7.7941	48.809	31.135	113.35	93.910	15.017	4.9644
#1	.02449	-.00034	-.00006	-.00010	.00109	-.00012	.00119
#2	.02194	-.00016	-.00009	-.00001	.00022	-.00009	.00111
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	**3623.2**	**5249.4**	**70068.**	**14915.**
Stddev	14.5	28.8	550.	99.
%RSD	.40028	.54854	.78543	.66408
#1	3633.5	5269.7	69679.	14845.
#2	3612.9	5229.0	70457.	14985.

Sample Name: CCVL Acquired: 3/13/2014 18:46:58 Type: QC
Method: ICAP1 New RLs at low cal point Mode: CONC Corr. Factor: 1.000000
User: AMH 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	**.00595**	**.21958**	**.01602**	**.02114**	**.00236**	**.00206**	**.51725**	**.00198**	**.00409**	**.00435**	**.01210**	**.04942**
Stddev	.00000	.01754	.00180	.00009	.00003	.00001	.00383	.00008	.00004	.00026	.00007	.00014
%RSD	.08075	7.9894	11.236	.42168	1.3401	.36406	.74070	3.8505	.99914	5.9020	.54845	.28888
#1	.00595	.20717	.01729	.02108	.00238	.00206	.51454	.00193	.00412	.00454	.01215	.04931
#2	.00595	.23198	.01475	.02121	.00234	.00205	.51996	.00203	.00406	.00417	.01206	.04952
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	**.50743**	**.41268**	**.03158**	**.20993**	**.00345**	**.01011**	**1.0634**	**.01082**	**.01045**	**.2049**	**.01817**	**.02597**
Stddev	.00535	.00265	.00100	.00176	.00002	.00012	.0034	.00012	.00009	.0011	.00029	.00023
%RSD	1.0551	.64167	3.1581	.84035	.70396	1.1655	.32417	1.1525	.90123	.5397	1.5776	.87527
#1	.50365	.41081	.03088	.21118	.00344	.01003	1.0610	.01073	.01052	.2057	.01797	.02613
#2	.51122	.41456	.03229	.20869	.00347	.01020	1.0658	.01090	.01039	.2042	.01837	.02580
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	**.53701**	**.01075**	**.00493**	**.00481**	**.02056**	**.00548**	F **.01529**
Stddev	.00581	.00030	.00003	.00003	.00083	.00011	.00014
%RSD	1.0826	2.7925	.63563	.67138	4.0389	1.9501	.91792
#1	.54112	.01054	.00491	.00483	.01997	.00540	.01519
#2	.53290	.01096	.00496	.00479	.02114	.00555	.01539
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail
Value							.01000
Range							50.000%

Int. Std.	In2306	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**3659.4**	**5329.1**	**70664.**	**15140.**
Stddev	.0	8.8	30.	97.
%RSD	.00039	.16585	.04227	.64229
#1	3659.4	5335.3	70685.	15209.
#2	3659.4	5322.8	70643.	15071.

Sample Name: 480-55339-B-2-A@5 Acquired: 3/13/2014 18:49:49 Type: Unk
Method: ICAP1 New RLs at low cal point Mode: CONC Corr. Factor: 1.000000
User: AMH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	B_2089	Ba4554-2	Be3130	Ca3179	Cd2288	Co2286
Line	328.068 {103}	308.215 {109}	189.042 {478}	208.959 {461}	455.403 { 74}2	313.042 {108}	317.933 {106}	228.802 {447}	228.616 {447}
IS Ref	(Y_3600)	(Y_3774)	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3774)	(Y_3774)	(Y_2243)	(In2306)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F **-.01561**	**.26740**	**.00264**	**10.672**	**.14648**	**-.00150**	^ *****	**.00028**	**.00110**
Stddev	.00284	.03208	.02996	.218	.00096	.00007	-----	.00029	.00007
%RSD	18.160	11.996	1133.4	2.0460	.65275	4.8330	-----	103.93	6.4217
#1	-.01762	.29008	-.01854	10.517	.14580	-.00145	^ -----	.00007	.00115
#2	-.01361	.24472	.02383	10.826	.14716	-.00155	^ -----	.00048	.00105
Check ?	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	1.9800								
Low Limit	-.00300								

Elem	Cr2677	Cu3247	Fe2599	K_7664	K_7664-2	Li6707	Mg2790	Mn2576	Mo2020
Line	267.716 {126}	324.754 {104}	259.940 {130}	766.490 { 44}	766.490 { 44}2	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}
IS Ref	(Y_3600)	(Y_3600)	(Y_3774)	(Y_3774)	(Y_3774)	(Y_3774)	(Y_3600)	(Y_3600)	(Y_2243)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.01874**	**.14285**	**28.466**	F **1458.0**	^ *****	**27.847**	**1.4724**	**.41499**	**.01602**
Stddev	.00149	.00133	.358	35.6	-----	.406	.0035	.00367	.00060
%RSD	7.9358	.92810	1.2593	2.4431	-----	1.4563	.23550	.88334	3.7485
#1	.01979	.14192	28.212	1432.8	^ -----	27.561	1.4700	.41240	.01560
#2	.01768	.14379	28.719	1483.2	^ -----	28.134	1.4749	.41758	.01645
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				540.00					
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	**603.84**	**.03124**	F **-.10115**	**7.842**	**-.00771**	**.00365**	**.17947**	**-.00120**	^ *****
Stddev	9.19	.00224	.00254	.102	.00094	.00514	.03359	.00133	-----
%RSD	1.5225	7.1691	2.5135	1.297	12.245	140.97	18.718	110.73	-----
#1	597.34	.02966	-.10295	7.771	-.00704	.00001	.15572	-.00026	^ -----
#2	610.34	.03283	-.09935	7.914	-.00838	.00728	.20323	-.00214	^ -----
Check ?	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit			108.00						
Low Limit			-.00500						

Elem	Ti3349	Tl1908	V_2924	Zn2062
Line	334.904 {101}	190.856 {477}	292.402 {115}	206.200 {163}
IS Ref	(Y_3600)	(In2306)	(Y_3600)	(Y_3600)
Units	ppm	ppm	ppm	ppm
Avg	**.20945**	**-.00998**	**.00019**	**.02595**
Stddev	.00045	.00291	.00160	.00413
%RSD	.21317	29.148	855.81	15.908
#1	.20913	-.01203	.00132	.02887
#2	.20977	-.00792	-.00095	.02303
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				
Low Limit				

Int. Std.	In2306	Y_2243	Y_3600	Y_3774
Line	230.606 {446}	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**1194.9**	**2398.4**	**34144.**	**10255.**
Stddev	8.0	15.8	73.	20.
%RSD	.66608	.65742	.21295	.19156
#1	1200.5	2409.6	34196.	10269.
#2	1189.3	2387.3	34093.	10241.

Sample Name: 480-55339-B-2-A@10 Acquired: 3/13/2014 18:52:55 Type: Unk
Method: ICAP1 New RLs at low cal point Mode: CONC Corr. Factor: 1.000000
User: AMH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	B_2089	Ba4554-2	Be3130	Ca3179	Cd2288	Co2286
Line	328.068 {103}	308.215 {109}	189.042 {478}	208.959 {461}	455.403 { 74}2	313.042 {108}	317.933 {106}	228.802 {447}	228.616 {447}
IS Ref	(Y_3600)	(Y_3774)	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3774)	(Y_3774)	(Y_2243)	(In2306)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F **-.00500**	**.11098**	**.00143**	**3.9647**	**.06031**	**-.00081**	^ *****	**.00017**	**.00034**
Stddev	.00008	.00303	.00434	.0025	.00009	.00010	-----	.00002	.00005
%RSD	1.5942	2.7324	302.91	.06351	.15144	12.890	-----	14.789	13.677
#1	-.00494	.11313	.00450	3.9629	.06025	-.00088	^ -----	.00015	.00031
#2	-.00505	.10884	-.00164	3.9664	.06038	-.00073	^ -----	.00018	.00037
Check ?	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	1.9800								
Low Limit	-.00300								

Elem	Cr2677	Cu3247	Fe2599	K_7664	K_7664-2	Li6707	Mg2790	Mn2576	Mo2020
Line	267.716 {126}	324.754 {104}	259.940 {130}	766.490 { 44}	766.490 { 44}2	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}
IS Ref	(Y_3600)	(Y_3600)	(Y_3774)	(Y_3774)	(Y_3774)	(Y_3774)	(Y_3600)	(Y_3600)	(Y_2243)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.01082**	**.05215**	**12.853**	F **583.07**	^ *****	**11.125**	**.69207**	**.18443**	**.00754**
Stddev	.00199	.00006	.018	2.43	-----	.070	.00223	.00006	.00038
%RSD	18.442	.11731	.14205	.41636	-----	.62905	.32188	.03524	5.0152
#1	.01223	.05211	12.866	584.79	^ -----	11.175	.69049	.18439	.00780
#2	.00941	.05220	12.840	581.36	^ -----	11.076	.69364	.18448	.00727
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				540.00					
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	**239.37**	**.01236**	F **-.03882**	**2.881**	**-.00380**	**.01386**	**.06906**	**-.00083**	^ *****
Stddev	1.05	.00120	.00050	.005	.00216	.00646	.00799	.00069	-----
%RSD	.43786	9.7113	1.2802	.1741	56.846	46.595	11.576	82.219	-----
#1	240.12	.01321	-.03847	2.877	-.00228	.00929	.06340	-.00132	^ -----
#2	238.63	.01151	-.03917	2.885	-.00533	.01843	.07471	-.00035	^ -----
Check ?	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit			108.00						
Low Limit			-.00500						

Elem	Ti3349	Tl1908	V_2924	Zn2062
Line	334.904 {101}	190.856 {477}	292.402 {115}	206.200 {163}
IS Ref	(Y_3600)	(In2306)	(Y_3600)	(Y_3600)
Units	ppm	ppm	ppm	ppm
Avg	**.05030**	**-.01123**	**.00055**	**.01289**
Stddev	.00057	.00703	.00029	.00088
%RSD	1.1303	62.614	53.503	6.7993
#1	.05070	-.00626	.00034	.01227
#2	.04990	-.01620	.00075	.01351
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				
Low Limit				

Int. Std.	In2306	Y_2243	Y_3600	Y_3774
Line	230.606 {446}	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**1703.5**	**3216.2**	**43498.**	**11816.**
Stddev	1.2	.4	35.	1.
%RSD	.07273	.01357	.08084	.01239
#1	1704.3	3216.5	43523.	11815.
#2	1702.6	3215.9	43473.	11817.

Sample Name: 480-55339-B-2-A@20 Acquired: 3/13/2014 18:55:54 Type: Unk
Method: ICAP1 New RLs at low cal point Mode: CONC Corr. Factor: 1.000000
User: AMH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	B_2089	Ba4554-2	Be3130	Ca3179	Cd2288	Co2286
Line	328.068 {103}	308.215 {109}	189.042 {478}	208.959 {461}	455.403 { 74}2	313.042 {108}	317.933 {106}	228.802 {447}	228.616 {447}
IS Ref	(Y_3600)	(Y_3774)	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3774)	(Y_3774)	(Y_2243)	(In2306)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F **-.00406**	**.06008**	**.00416**	**1.8915**	**.03195**	**-.00038**	^ *****	**.00024**	**.00015**
Stddev	.00024	.00452	.00008	.0034	.00000	.00001	-----	.00010	.00013
%RSD	5.7910	7.5282	1.8415	.18253	.00496	2.6039	-----	41.305	82.600
#1	-.00423	.05688	.00411	1.8891	.03195	-.00039	4326.8	.00017	.00006
#2	-.00389	.06327	.00422	1.8940	.03195	-.00037	^ -----	.00031	.00024
Check ?	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	1.9800								
Low Limit	-.00300								

Elem	Cr2677	Cu3247	Fe2599	K_7664	K_7664-2	Li6707	Mg2790	Mn2576	Mo2020
Line	267.716 {126}	324.754 {104}	259.940 {130}	766.490 { 44}	766.490 { 44}2	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}
IS Ref	(Y_3600)	(Y_3600)	(Y_3774)	(Y_3774)	(Y_3774)	(Y_3774)	(Y_3600)	(Y_3600)	(Y_2243)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00602**	**.02516**	**6.5342**	**271.02**	^ *****	**5.1782**	**.35935**	**.09507**	**.00455**
Stddev	.00033	.00022	.0174	1.40	-----	.0285	.00007	.00035	.00035
%RSD	5.5318	.87220	.26636	.51634	-----	.54990	.02006	.36598	7.6191
#1	.00579	.02532	6.5219	270.03	^ -----	5.1581	.35929	.09532	.00431
#2	.00626	.02501	6.5465	272.01	^ -----	5.1983	.35940	.09482	.00480
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Na8183	Ni2316	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899	Sr4077
Line	818.326 { 41}	231.604 {446}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}2	189.989 {477}	407.771 { 83}
IS Ref	(Y_3774)	(In2306)	(In2306)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3774)	(In2306)	(Y_3774)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**113.17**	**.00702**	F **-.01313**	**1.205**	**.00002**	**.01811**	**.04614**	**.00033**	^ *****
Stddev	.23	.00016	.00513	.001	.00363	.00183	.00513	.00032	-----
%RSD	.20340	2.3147	39.066	.0709	21009.	10.093	11.123	97.379	-----
#1	113.01	.00691	-.00950	1.204	-.00255	.01682	.04251	.00010	^ -----
#2	113.34	.00714	-.01676	1.206	.00258	.01940	.04977	.00056	^ -----
Check ?	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit			108.00						
Low Limit			-.00500						

Elem	Ti3349	Tl1908	V_2924	Zn2062
Line	334.904 {101}	190.856 {477}	292.402 {115}	206.200 {163}
IS Ref	(Y_3600)	(In2306)	(Y_3600)	(Y_3600)
Units	ppm	ppm	ppm	ppm
Avg	**.02148**	**-.00804**	**.00039**	**.00648**
Stddev	.00010	.00249	.00044	.00067
%RSD	.48045	31.022	112.18	10.391
#1	.02141	-.00981	.00008	.00696
#2	.02156	-.00628	.00071	.00600
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				
Low Limit				

Int. Std.	In2306	Y_2243	Y_3600	Y_3774
Line	230.606 {446}	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**2072.6**	**3698.8**	**49101.**	**12682.**
Stddev	1.3	4.4	61.	55.
%RSD	.06406	.11769	.12373	.43020
#1	2071.7	3701.9	49058.	12721.
#2	2073.6	3695.7	49144.	12644.

Sample Name: RB Acquired: 3/13/2014 18:58:51 Type: Unk
Method: ICAP1 New RLs at low cal point Mode: CONC Corr. Factor: 1.000000
User: AMH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	B_2089	Ba4554-2	Be3130	Ca3179	Cd2288	Co2286
Line	328.068 {103}	308.215 {109}	189.042 {478}	208.959 {461}	455.403 { 74}2	313.042 {108}	317.933 {106}	228.802 {447}	228.616 {447}
IS Ref	(Y_3600)	(Y_3774)	(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**	**.00226**	**-.00112**	**.00878**	**.00006**	**-.00000**	**1.1026**	**-.00001**	**-.00002**
Stddev	.00046	.00211	.00037	.00103	.00000	.00005	.0627	.00014	.00010
%RSD	7289.8	93.487	32.803	11.777	6.2561	1565.9	5.6892	1362.2	443.80
#1	.00032	.00077	-.00086	.00951	.00007	-.00004	1.1469	.00009	.00005
#2	-.00033	.00375	-.00138	.00805	.00006	.00003	1.0582	-.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	Cr2677	Cu3247	Fe2599	K_7664	K_7664-2	Li6707	Mg2790	Mn2576	Mo2020
Line	267.716 {126}	324.754 {104}	259.940 {130}	766.490 { 44}	766.490 { 44}2	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}
IS Ref	(Y_3600)	(Y_3600)	(Y_3774)	(Y_3774)	(Y_3774)	(Y_3774)	(Y_3600)	(Y_3600)	(Y_2243)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00019**	**.00138**	**-.00327**	**.21484**	**.03920**	**.00226**	**-.00101**	**.00000**	**.00005**
Stddev	.00020	.00029	.00242	.01476	.00090	.00024	.00051	.00005	.00017
%RSD	104.53	21.248	74.104	6.8719	2.2829	10.444	50.023	1239.8	324.85
#1	.00005	.00159	-.00499	.22528	.03984	.00243	-.00066	.00004	-.00007
#2	.00033	.00117	-.00156	.20440	.03857	.00209	-.00137	-.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	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	**.11421**	**-.00034**	**.00090**	**.0048**	**-.00241**	**-.00030**	**-.00362**	**-.00003**	**.01906**
Stddev	.00281	.00018	.00007	.0018	.00088	.00067	.01490	.00010	.00101
%RSD	2.4640	52.603	7.5297	37.83	36.473	222.13	411.83	334.02	5.3013
#1	.11620	-.00021	.00085	.0035	-.00179	-.00078	-.01416	-.00010	.01978
#2	.11222	-.00046	.00095	.0060	-.00303	.00017	.00692	.00004	.01835
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	**.00020**	**-.00030**	**.00026**	**-.00021**
Stddev	.00009	.00101	.00031	.00022
%RSD	44.603	340.78	118.14	104.79
#1	.00027	-.00101	.00048	-.00005
#2	.00014	.00042	.00004	-.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	**3594.4**	**5220.0**	**69732.**	**14876.**
Stddev	5.7	10.3	200.	75.
%RSD	.15730	.19652	.28664	.50685
#1	3598.4	5227.2	69591.	14929.
#2	3590.4	5212.7	69873.	14823.

Sample Name: RB Acquired: 3/13/2014 19:01:41 Type: Unk
Method: ICAP1 New RLs at low cal point Mode: CONC Corr. Factor: 1.000000
User: AMH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	B_2089	Ba4554-2	Be3130	Ca3179	Cd2288	Co2286
Line	328.068 {103}	308.215 {109}	189.042 {478}	208.959 {461}	455.403 { 74}2	313.042 {108}	317.933 {106}	228.802 {447}	228.616 {447}
IS Ref	(Y_3600)	(Y_3774)	(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**	**-.00750**	**-.00136**	**.00606**	**.00009**	**.00004**	**.58617**	**.00006**	**.00002**
Stddev	.00055	.00347	.00053	.00016	.00003	.00007	.06755	.00002	.00011
%RSD	134.59	46.223	38.967	2.6680	32.198	170.24	11.524	27.660	566.52
#1	.00080	-.00995	-.00099	.00617	.00007	-.00001	.63394	.00007	.00010
#2	.00002	-.00505	-.00174	.00594	.00011	.00009	.53841	.00005	-.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	**.00034**	**.00122**	**-.00190**	**.15093**	**.02133**	**.00168**	**.00042**	**.00003**	**-.00018**
Stddev	.00001	.00003	.00202	.01834	.00036	.00059	.00100	.00000	.00001
%RSD	2.4442	2.1051	106.75	12.149	1.7016	34.911	236.63	15.369	6.1082
#1	.00033	.00121	-.00333	.16389	.02159	.00209	.00113	.00003	-.00017
#2	.00035	.00124	-.00046	.13796	.02108	.00126	-.00028	.00004	-.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	**.07126**	**-.00011**	**.00120**	**-.0010**	**-.00123**	**.00105**	**.00019**	**-.00052**	**.00979**
Stddev	.00220	.00001	.00066	.0019	.00187	.00100	.00223	.00001	.00118
%RSD	3.0875	11.986	55.238	186.7	151.19	95.141	1158.0	2.4521	12.093
#1	.06970	-.00010	.00166	.0003	-.00255	.00034	.00177	-.00051	.01063
#2	.07282	-.00012	.00073	-.0024	.00009	.00175	-.00139	-.00053	.00896
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Ti3349	Tl1908	V_2924	Zn2062
Line	334.904 {101}	190.856 {477}	292.402 {115}	206.200 {163}
IS Ref	(Y_3600)	(In2306)	(Y_3600)	(Y_3600)
Units	ppm	ppm	ppm	ppm
Avg	**.00013**	**-.00062**	**.00021**	**-.00008**
Stddev	.00011	.00195	.00030	.00013
%RSD	84.043	315.78	144.20	158.42
#1	.00005	-.00200	.00042	-.00018
#2	.00021	.00076	-.00000	.00001
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				
Low Limit				

Int. Std.	In2306	Y_2243	Y_3600	Y_3774
Line	230.606 {446}	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**3604.7**	**5230.3**	**69840.**	**14813.**
Stddev	1.7	6.6	92.	67.
%RSD	.04840	.12590	.13145	.45508
#1	3606.0	5234.9	69905.	14861.
#2	3603.5	5225.6	69775.	14766.

Sample Name: RB Acquired: 3/13/2014 19:04:31 Type: Unk
Method: ICAP1 New RLs at low cal point Mode: CONC Corr. Factor: 1.000000
User: AMH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	B_2089	Ba4554-2	Be3130	Ca3179	Cd2288	Co2286
Line	328.068 {103}	308.215 {109}	189.042 {478}	208.959 {461}	455.403 { 74}2	313.042 {108}	317.933 {106}	228.802 {447}	228.616 {447}
IS Ref	(Y_3600)	(Y_3774)	(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**	**.00466**	**-.00075**	**.00471**	**.00006**	**-.00002**	**.28622**	**-.00005**	**.00008**
Stddev	.00097	.01139	.00114	.00010	.00001	.00004	.00374	.00008	.00002
%RSD	760.18	244.59	151.68	2.0847	24.855	152.87	1.3074	180.64	25.759
#1	-.00082	.01271	-.00156	.00478	.00005	.00000	.28886	-.00010	.00006
#2	.00056	-.00340	.00005	.00464	.00007	-.00005	.28357	.00001	.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	**-.00013**	**.00129**	**-.00111**	**.12155**	**.01093**	**.00115**	**-.00281**	**.00001**	**.00005**
Stddev	.00004	.00010	.00023	.06875	.00036	.00052	.00522	.00004	.00002
%RSD	33.182	7.9692	20.471	56.559	3.3092	45.834	185.89	327.03	40.288
#1	-.00010	.00136	-.00127	.07294	.01119	.00077	-.00650	-.00001	.00006
#2	-.00016	.00122	-.00095	.17016	.01068	.00152	.00088	.00004	.00004
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Na5895	Ni2316	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899	Sr4077
Line	589.592 { 57}	231.604 {446}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}2	189.989 {477}	407.771 { 83}
IS Ref	(Y_3774)	(In2306)	(In2306)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3774)	(In2306)	(Y_3774)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.05359**	**-.00021**	**.00032**	**-.0004**	**-.00106**	**.00114**	**.00591**	**.00011**	**.00474**
Stddev	.00025	.00039	.00066	.0020	.00041	.00387	.00420	.00024	.00012
%RSD	.46185	185.83	204.95	500.4	39.180	339.33	71.090	210.51	2.5526
#1	.05376	-.00048	-.00015	-.0018	-.00077	-.00159	.00294	.00029	.00483
#2	.05341	.00007	.00079	.0010	-.00135	.00387	.00887	-.00006	.00466
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	**.00000**	**-.00023**	**.00018**	**-.00062**
Stddev	.00004	.00019	.00005	.00024
%RSD	1702.4	83.501	25.650	39.256
#1	-.00002	-.00036	.00015	-.00079
#2	.00003	-.00009	.00021	-.00045
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				
Low Limit				

Int. Std.	In2306	Y_2243	Y_3600	Y_3774
Line	230.606 {446}	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**3582.2**	**5185.0**	**70116.**	**14788.**
Stddev	3.4	2.3	358.	14.
%RSD	.09550	.04440	.51011	.09523
#1	3579.8	5183.4	69863.	14778.
#2	3584.6	5186.6	70369.	14798.

Sample Name: 55343-3 tot raw Acquired: 3/13/2014 19:07:21 Type: Unk
Method: ICAP1 New RLs at low cal point Mode: CONC Corr. Factor: 1.000000
User: AMH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	B_2089	Ba4554-2	Be3130	Ca3179	Cd2288	Co2286
Line	328.068 {103}	308.215 {109}	189.042 {478}	208.959 {461}	455.403 { 74}2	313.042 {108}	317.933 {106}	228.802 {447}	228.616 {447}
IS Ref	(Y_3600)	(Y_3774)	(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**	**.06852**	**.00515**	**.22263**	**.12969**	**.00018**	**262.07**	**.00014**	**.00035**
Stddev	.00018	.00243	.00011	.00260	.00031	.00004	.00	.00004	.00005
%RSD	194.93	3.5398	2.2278	1.1698	.23684	22.633	.00075	30.387	14.283
#1	.00003	.07024	.00523	.22079	.12948	.00015	262.07	.00018	.00031
#2	-.00022	.06681	.00507	.22447	.12991	.00021	262.07	.00011	.00038
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Cr2677	Cu3247	Fe2599	K_7664	K_7664-2	Li6707	Mg2790	Mn2576	Mo2020
Line	267.716 {126}	324.754 {104}	259.940 {130}	766.490 { 44}	766.490 { 44}2	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}
IS Ref	(Y_3600)	(Y_3600)	(Y_3774)	(Y_3774)	(Y_3774)	(Y_3774)	(Y_3600)	(Y_3600)	(Y_2243)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00860**	**.00241**	**3.4273**	**2.8250**	**5.7864**	**.00324**	**61.688**	**1.4193**	**.00555**
Stddev	.00033	.00060	.0144	.0237	.0367	.00165	.308	.0063	.00015
%RSD	3.8755	25.065	.41952	.83884	.63368	51.063	.49967	.44528	2.7712
#1	.00836	.00198	3.4171	2.8418	5.7605	.00207	61.470	1.4148	.00566
#2	.00883	.00284	3.4375	2.8083	5.8123	.00441	61.906	1.4238	.00545
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	**803.55**	**.00056**	**.00057**	F **52.31**	**-.00321**	**.02707**	**7.8164**	**.00165**	**1.4929**
Stddev	1.29	.00012	.00084	.44	.00030	.00335	.0130	.00013	.0001
%RSD	.16115	21.257	146.78	.8324	9.1869	12.389	.16672	7.5882	.00489
#1	802.63	.00048	-.00002	52.01	-.00300	.02470	7.8071	.00157	1.4929
#2	804.46	.00064	.00117	52.62	-.00342	.02944	7.8256	.00174	1.4928
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				9.000					
Low Limit				-.2000					

Elem	Ti3349	Tl1908	V_2924	Zn2062
Line	334.904 {101}	190.856 {477}	292.402 {115}	206.200 {163}
IS Ref	(Y_3600)	(In2306)	(Y_3600)	(Y_3600)
Units	ppm	ppm	ppm	ppm
Avg	**.00263**	**-.00254**	**.00420**	**.00419**
Stddev	.00014	.00038	.00028	.00020
%RSD	5.1887	14.783	6.6075	4.8211
#1	.00272	-.00280	.00439	.00405
#2	.00253	-.00227	.00400	.00433
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				
Low Limit				

Int. Std.	In2306	Y_2243	Y_3600	Y_3774
Line	230.606 {446}	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**2936.3**	**4946.1**	**65991.**	**15708.**
Stddev	37.8	74.6	429.	88.
%RSD	1.2868	1.5074	.65049	.56198
#1	2963.0	4998.9	66295.	15771.
#2	2909.6	4893.4	65688.	15646.

Sample Name: 55343-4 tot raw Acquired: 3/13/2014 19:10:17 Type: Unk
Method: ICAP1 New RLs at low cal point Mode: CONC Corr. Factor: 1.000000
User: AMH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	B_2089	Ba4554-2	Be3130	Ca3179	Cd2288	Co2286
Line	328.068 {103}	308.215 {109}	189.042 {478}	208.959 {461}	455.403 { 74}2	313.042 {108}	317.933 {106}	228.802 {447}	228.616 {447}
IS Ref	(Y_3600)	(Y_3774)	(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**	**.03224**	**.00426**	**.04709**	**.16259**	**.00001**	**90.356**	**-.00011**	**.00023**
Stddev	.00016	.00148	.00142	.00018	.00159	.00000	.180	.00002	.00010
%RSD	183.30	4.5801	33.370	.38276	.98101	32.824	.19942	14.522	43.686
#1	.00003	.03328	.00326	.04697	.16371	.00001	90.483	-.00012	.00016
#2	-.00020	.03120	.00527	.04722	.16146	.00001	90.229	-.00010	.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	**.00171**	**.00210**	**.00448**	**24.761**	**36.744**	**.11798**	**16.281**	**.00147**	**.05289**
Stddev	.00012	.00004	.00035	.079	.283	.00013	.008	.00005	.00005
%RSD	7.2314	1.9073	7.8516	.32017	.77142	.11296	.05207	3.6072	.08760
#1	.00180	.00208	.00473	24.817	36.945	.11788	16.287	.00151	.05286
#2	.00163	.00213	.00423	24.704	36.544	.11807	16.275	.00143	.05292
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	**256.42**	**.00859**	**.00142**	F **241.0**	**-.00235**	**.01527**	**12.743**	**.00001**	**1.7078**
Stddev	.88	.00025	.00250	.9	.00043	.00087	.075	.00005	.0028
%RSD	.34240	2.9147	176.15	.3550	18.272	5.7114	.59103	648.02	.16213
#1	257.04	.00842	.00318	241.6	-.00204	.01589	12.796	.00004	1.7098
#2	255.80	.00877	-.00035	240.4	-.00265	.01465	12.690	-.00003	1.7059
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				9.000					
Low Limit				-.2000					

Elem	Ti3349	Tl1908	V_2924	Zn2062
Line	334.904 {101}	190.856 {477}	292.402 {115}	206.200 {163}
IS Ref	(Y_3600)	(In2306)	(Y_3600)	(Y_3600)
Units	ppm	ppm	ppm	ppm
Avg	**.00129**	**.00218**	**.00242**	**.00090**
Stddev	.00050	.00197	.00001	.00064
%RSD	38.777	90.734	.52911	71.677
#1	.00165	.00357	.00241	.00044
#2	.00094	.00078	.00243	.00135
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				
Low Limit				

Int. Std.	In2306	Y_2243	Y_3600	Y_3774
Line	230.606 {446}	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**3296.3**	**5243.2**	**70052.**	**15981.**
Stddev	5.6	13.6	148.	63.
%RSD	.16926	.25958	.21115	.39505
#1	3300.3	5252.8	70157.	16026.
#2	3292.4	5233.6	69948.	15936.

Sample Name: MB 480-167907/1-C Acquired: 3/13/2014 19:13:15 Type: Unk
Method: ICAP1 New RLs at low cal point Mode: CONC Corr. Factor: 1.000000
User: AMH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	B_2089	Ba4554-2	Be3130	Ca3179	Cd2288	Co2286
Line	328.068 {103}	308.215 {109}	189.042 {478}	208.959 {461}	455.403 { 74}2	313.042 {108}	317.933 {106}	228.802 {447}	228.616 {447}
IS Ref	(Y_3600)	(Y_3774)	(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**	**.02362**	**-.00041**	**.00478**	F **.00206**	**.00002**	**.12318**	**.00000**	**-.00002**
Stddev	.00063	.00889	.00210	.00029	.00016	.00001	.02078	.00003	.00004
%RSD	159.10	37.626	516.85	6.1060	7.6015	81.280	16.868	1222.2	239.80
#1	.00084	.01734	-.00189	.00499	.00195	.00001	.13788	.00002	-.00005
#2	-.00005	.02991	.00108	.00458	.00217	.00003	.10849	-.00002	.00001
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					.00200				
Low Limit					-.00300				

Elem	Cr2677	Cu3247	Fe2599	K_7664	K_7664-2	Li6707	Mg2790	Mn2576	Mo2020
Line	267.716 {126}	324.754 {104}	259.940 {130}	766.490 { 44}	766.490 { 44}2	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}
IS Ref	(Y_3600)	(Y_3600)	(Y_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**	**.00094**	**-.00025**	**.08091**	**.00964**	**.00124**	**.00490**	**-.00018**	**.00020**
Stddev	.00042	.00017	.00213	.00278	.00005	.00000	.00440	.00010	.00010
%RSD	30.273	18.131	859.00	3.4339	.53512	.11994	89.954	53.314	50.481
#1	.00108	.00082	-.00176	.07895	.00967	.00123	.00178	-.00025	.00013
#2	.00167	.00106	.00126	.08287	.00960	.00124	.00801	-.00011	.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	**.21207**	**-.00036**	**.00022**	F **.9248**	**-.00116**	**.00432**	**.00728**	**-.00010**	**.00157**
Stddev	.01364	.00018	.00023	.0380	.00036	.00099	.00675	.00059	.00029
%RSD	6.4321	49.836	104.21	4.104	31.056	22.901	92.677	599.45	18.377
#1	.22171	-.00049	.00038	.8980	-.00141	.00502	.00251	-.00052	.00177
#2	.20242	-.00023	.00006	.9517	-.00091	.00362	.01205	.00032	.00136
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				.2000					
Low Limit				-.2000					

Elem	Ti3349	Tl1908	V_2924	Zn2062
Line	334.904 {101}	190.856 {477}	292.402 {115}	206.200 {163}
IS Ref	(Y_3600)	(In2306)	(Y_3600)	(Y_3600)
Units	ppm	ppm	ppm	ppm
Avg	**-.00000**	**-.00045**	**.00038**	**.00417**
Stddev	.00049	.00078	.00032	.00016
%RSD	10599.	174.54	82.528	3.8608
#1	.00034	.00010	.00061	.00405
#2	-.00035	-.00100	.00016	.00428
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				
Low Limit				

Int. Std.	In2306	Y_2243	Y_3600	Y_3774
Line	230.606 {446}	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**3558.6**	**5043.4**	**70292.**	**14854.**
Stddev	2.3	8.3	105.	150.
%RSD	.06571	.16414	.14971	1.0083
#1	3556.9	5037.6	70217.	14748.
#2	3560.2	5049.3	70366.	14960.

Sample Name: CCV Acquired: 3/13/2014 19:16:07 Type: QC
Method: ICAP1 New RLs at low cal point Mode: CONC Corr. Factor: 1.000000
User: AMH 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	**.49912**	**25.244**	**.51040**	**.50405**	**.50967**	**.50848**	**24.376**	**.52135**	**.50311**	**.48763**	**.50571**	**24.962**
Stddev	.00277	.127	.00067	.00125	.00090	.00044	.022	.00017	.00049	.00020	.00198	.028
%RSD	.55574	.50341	.13158	.24892	.17619	.08643	.09166	.03305	.09742	.04068	.39135	.11186
#1	.49716	25.334	.51087	.50494	.51031	.50879	24.391	.52123	.50276	.48777	.50431	24.982
#2	.50108	25.154	.50992	.50316	.50904	.50817	24.360	.52147	.50345	.48749	.50711	24.942
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	**25.035**	**25.397**	**.50815**	**25.153**	**.50627**	**.52217**	**25.025**	**.50460**	**.50207**	**25.72**	**.51961**	**.50700**
Stddev	.019	.002	.00078	.028	.00038	.00064	.114	.00063	.00249	.04	.00044	.00158
%RSD	.07660	.00692	.15437	.11024	.07412	.12329	.45387	.12543	.49617	.1676	.08441	.31198
#1	25.048	25.395	.50871	25.173	.50600	.52171	25.106	.50415	.50031	25.69	.51992	.50812
#2	25.021	25.398	.50760	25.133	.50654	.52262	24.945	.50505	.50383	25.75	.51930	.50588
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	**24.520**	**.51100**	**.49587**	**.51803**	**.50152**	**.49650**	**.48552**
Stddev	.001	.00208	.00177	.00065	.00020	.00148	.00045
%RSD	.00462	.40693	.35613	.12561	.04053	.29909	.09354
#1	24.520	.50953	.49712	.51757	.50137	.49545	.48520
#2	24.521	.51247	.49462	.51849	.50166	.49755	.48584
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	**3266.5**	**4925.0**	**68774.**	**14785.**
Stddev	2.2	10.3	156.	10.
%RSD	.06751	.20893	.22652	.06902
#1	3265.0	4917.8	68664.	14778.
#2	3268.1	4932.3	68884.	14792.

Sample Name: CCB Acquired: 3/13/2014 19:18:53 Type: QC
Method: ICAP1 New RLs at low cal point Mode: CONC Corr. Factor: 1.000000
User: AMH 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	**-.00045**	**-.00640**	**.00051**	**.00231**	**.00012**	**.00005**	**.10957**	**.00001**	**.00001**	**.00008**	**.00008**	**-.00157**
Stddev	.00014	.00226	.00075	.00025	.00001	.00007	.01751	.00001	.00019	.00018	.00010	.00119
%RSD	30.555	35.364	148.43	10.666	10.322	138.61	15.983	135.33	1876.7	238.93	124.65	76.143
#1	-.00055	-.00480	.00104	.00248	.00011	.00011	.12195	.00000	.00014	.00020	.00015	-.00241
#2	-.00035	-.00800	-.00003	.00213	.00013	.00000	.09718	.00002	-.00012	-.00005	.00001	-.00072
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	**.08288**	**.00885**	**.00091**	**.00013**	**-.00000**	**.00034**	**.04855**	**-.00046**	**.00022**	F **.2202**	**.00076**	**.00290**
Stddev	.00733	.00079	.00045	.00210	.00002	.00010	.00468	.00008	.00014	.0248	.00030	.00176
%RSD	8.8477	8.9412	49.270	1571.6	1368.1	29.230	9.6451	17.851	65.648	11.25	39.572	60.515
#1	.08806	.00829	.00060	-.00135	-.00002	.00041	.05187	-.00040	.00012	.2027	.00097	.00166
#2	.07769	.00941	.00123	.00162	.00001	.00027	.04524	-.00052	.00032	.2377	.00055	.00415
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
High Limit										.0030		
Low Limit										-.0040		

Elem	Si2881	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.01507**	**.00012**	**.00157**	**.00041**	**.00132**	**-.00004**	**.00094**
Stddev	.01235	.00011	.00034	.00010	.00214	.00032	.00014
%RSD	81.946	87.350	21.465	25.140	162.02	718.25	15.145
#1	.00634	.00020	.00181	.00034	-.00019	.00018	.00104
#2	.02380	.00005	.00133	.00048	.00284	-.00027	.00084
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	**3583.9**	**5045.7**	**72628.**	**15041.**
Stddev	.2	4.4	194.	84.
%RSD	.00494	.08780	.26677	.56118
#1	3583.7	5048.9	72765.	14982.
#2	3584.0	5042.6	72491.	15101.

Sample Name: CCVL Acquired: 3/13/2014 19:21:45 Type: QC
Method: ICAP1 New RLs at low cal point Mode: CONC Corr. Factor: 1.000000
User: AMH 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	**.00528**	**.20319**	**.01548**	**.02179**	**.00222**	**.00213**	F **1.0792**	**.00205**	**.00390**	**.00371**	**.00935**	**.05150**
Stddev	.00011	.00988	.00206	.00044	.00000	.00007	.1279	.00009	.00005	.00035	.00016	.00164
%RSD	2.0357	4.8615	13.286	2.0332	.07135	3.1263	11.850	4.5044	1.3501	9.4780	1.6608	3.1772
#1	.00521	.21017	.01694	.02211	.00222	.00217	1.1696	.00212	.00387	.00346	.00924	.05035
#2	.00536	.19620	.01403	.02148	.00222	.00208	.98878	.00199	.00394	.00396	.00946	.05266
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							.50000					
Range							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	**.58055**	**.41098**	**.03010**	**.20573**	**.00336**	**.00999**	**1.0952**	**.01082**	**.00984**	F **.3311**	**.01921**	**.02630**
Stddev	.01289	.00474	.00012	.00068	.00003	.00029	.0155	.00025	.00082	.0101	.00020	.00004
%RSD	2.2203	1.1532	.39611	.32876	.96433	2.9507	1.4161	2.2858	8.3218	3.055	1.0501	.15476
#1	.58967	.40763	.03019	.20621	.00338	.00979	1.1062	.01065	.01042	.3240	.01935	.02627
#2	.57144	.41433	.03002	.20526	.00333	.01020	1.0842	.01100	.00926	.3383	.01907	.02633
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										.2000		
Range										50.00%		

Elem	Si2881	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.47994**	**.01020**	F **.01482**	**.00479**	**.01921**	**.00499**	**.00941**
Stddev	.00274	.00037	.00212	.00007	.00117	.00010	.00040
%RSD	.57120	3.6572	14.308	1.4949	6.0943	2.0099	4.2214
#1	.47800	.01046	.01632	.00484	.01838	.00492	.00969
#2	.48188	.00994	.01332	.00474	.02004	.00506	.00913
Check ?	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value			.00500				
Range			50.000%				

Int. Std.	In2306	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**3656.4**	**5147.1**	**74517.**	**15433.**
Stddev	2.7	4.3	432.	133.
%RSD	.07254	.08388	.57967	.86258
#1	3658.3	5150.2	74211.	15527.
#2	3654.5	5144.1	74822.	15339.

Sample Name: LCS 480-167907/2-C Acquired: 3/13/2014 19:24:35 Type: Unk
Method: ICAP1 New RLs at low cal point Mode: CONC Corr. Factor: 1.000000
User: AMH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	B_2089	Ba4554-2	Be3130	Ca3179	Cd2288	Co2286
Line	328.068 {103}	308.215 {109}	189.042 {478}	208.959 {461}	455.403 { 74}2	313.042 {108}	317.933 {106}	228.802 {447}	228.616 {447}
IS Ref	(Y_3600)	(Y_3774)	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3774)	(Y_3774)	(Y_2243)	(In2306)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.04942**	**10.033**	**.20681**	**.20993**	**.20402**	**.20792**	**9.4978**	**.20827**	**.19928**
Stddev	.00049	.059	.00009	.00091	.00029	.00068	.0244	.00001	.00017
%RSD	.99043	.59017	.04525	.43287	.13981	.32744	.25689	.00406	.08523
#1	.04976	9.9909	.20688	.21057	.20422	.20744	9.4805	.20827	.19916
#2	.04907	10.075	.20674	.20929	.20382	.20840	9.5150	.20826	.19940
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Cr2677	Cu3247	Fe2599	K_7664	K_7664-2	Li6707	Mg2790	Mn2576	Mo2020
Line	267.716 {126}	324.754 {104}	259.940 {130}	766.490 { 44}	766.490 { 44}2	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}
IS Ref	(Y_3600)	(Y_3600)	(Y_3774)	(Y_3774)	(Y_3774)	(Y_3774)	(Y_3600)	(Y_3600)	(Y_2243)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.19214**	**.20256**	**10.104**	**9.7907**	**9.5388**	**.20344**	**10.092**	**.20049**	**.21031**
Stddev	.00095	.00050	.045	.0557	.0220	.00061	.032	.00014	.00044
%RSD	.49415	.24581	.44516	.56859	.23034	.29741	.31254	.06900	.21046
#1	.19281	.20291	10.072	9.7514	9.5233	.20301	10.070	.20059	.21000
#2	.19147	.20221	10.136	9.8301	9.5543	.20387	10.115	.20039	.21063
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	**9.8419**	**.20360**	**.19727**	F **.1404**	**.20250**	**.20549**	**9.7513**	**.19046**	**.19566**
Stddev	.0536	.00044	.00009	.0074	.00074	.00314	.0651	.00044	.00124
%RSD	.54491	.21820	.04760	5.288	.36541	1.5292	.66803	.23272	.63200
#1	9.8040	.20329	.19720	.1351	.20198	.20327	9.7053	.19077	.19479
#2	9.8798	.20392	.19734	.1456	.20303	.20771	9.7974	.19014	.19653
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	**.19470**	**.20117**	**.19600**	**.18628**
Stddev	.00030	.00088	.00041	.00112
%RSD	.15500	.43762	.20936	.60137
#1	.19492	.20055	.19629	.18708
#2	.19449	.20180	.19571	.18549
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				
Low Limit				

Int. Std.	In2306	Y_2243	Y_3600	Y_3774
Line	230.606 {446}	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**3414.8**	**4929.5**	**71613.**	**15295.**
Stddev	3.5	8.8	50.	34.
%RSD	.10136	.17915	.07015	.22354
#1	3417.3	4923.3	71649.	15319.
#2	3412.4	4935.7	71578.	15271.

Sample Name: 480-55329-A-1-A Acquired: 3/13/2014 19:27:21 Type: Unk
Method: ICAP1 New RLs at low cal point Mode: CONC Corr. Factor: 1.000000
User: AMH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	B_2089	Ba4554-2	Be3130	Ca3179	Cd2288	Co2286
Line	328.068 {103}	308.215 {109}	189.042 {478}	208.959 {461}	455.403 { 74}2	313.042 {108}	317.933 {106}	228.802 {447}	228.616 {447}
IS Ref	(Y_3600)	(Y_3774)	(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**	**.01273**	**.00063**	**.04056**	**.02985**	**-.00000**	**14.057**	**.00000**	**-.00007**
Stddev	.00002	.00115	.00120	.00018	.00004	.00004	.129	.00000	.00003
%RSD	30.038	8.9992	189.80	.44212	.12113	230730.	.92030	104.91	36.006
#1	-.00005	.01354	-.00022	.04043	.02982	.00003	13.965	.00000	-.00005
#2	-.00007	.01192	.00148	.04068	.02987	-.00003	14.148	.00001	-.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	**.00034**	**.00021**	**-.00108**	**2.3528**	**2.4746**	**.00165**	**3.8573**	**.00166**	**.00006**
Stddev	.00017	.00017	.00024	.0039	.0345	.00099	.0234	.00007	.00016
%RSD	50.480	78.709	22.249	.16418	1.3928	60.143	.60627	3.9959	290.91
#1	.00022	.00033	-.00125	2.3501	2.4502	.00095	3.8408	.00161	.00017
#2	.00047	.00009	-.00091	2.3555	2.4990	.00234	3.8738	.00170	-.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	**31.295**	**-.00036**	**.00113**	**7.070**	**-.00238**	**.00113**	**7.1574**	**.00029**	**.05037**
Stddev	.116	.00020	.00001	.029	.00034	.00109	.0396	.00018	.00004
%RSD	.37167	56.467	.60310	.4027	14.295	96.204	.55307	62.982	.07867
#1	31.212	-.00050	.00114	7.050	-.00262	.00190	7.1294	.00041	.05034
#2	31.377	-.00022	.00113	7.091	-.00214	.00036	7.1854	.00016	.05040
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**	**-.00006**	**.00077**	**.00770**
Stddev	.00002	.00059	.00004	.00062
%RSD	4.4691	1011.3	5.3658	8.0518
#1	.00053	-.00048	.00074	.00814
#2	.00050	.00036	.00080	.00726
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				
Low Limit				

Int. Std.	In2306	Y_2243	Y_3600	Y_3774
Line	230.606 {446}	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**3459.3**	**4957.3**	**72840.**	**15570.**
Stddev	4.3	10.4	85.	139.
%RSD	.12518	.21066	.11727	.89505
#1	3456.2	4949.9	72900.	15669.
#2	3462.3	4964.6	72779.	15472.

Sample Name: 55329-A-1-A SD@5 Acquired: 3/13/2014 19:30:08 Type: Unk
Method: ICAP1 New RLs at low cal point Mode: CONC Corr. Factor: 1.000000
User: AMH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	B_2089	Ba4554-2	Be3130	Ca3179	Cd2288	Co2286
Line	328.068 {103}	308.215 {109}	189.042 {478}	208.959 {461}	455.403 { 74}2	313.042 {108}	317.933 {106}	228.802 {447}	228.616 {447}
IS Ref	(Y_3600)	(Y_3774)	(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**	**-.00261**	**.00131**	**.00916**	**.00635**	**.00000**	**2.8991**	**.00000**	**-.00000**
Stddev	.00053	.01091	.00267	.00017	.00004	.00000	.0424	.00002	.00001
%RSD	541.38	418.22	203.85	1.8240	.57631	370.83	1.4610	562.92	224.01
#1	-.00028	.00511	.00320	.00905	.00633	-.00000	2.8692	-.00001	.00000
#2	.00048	-.01033	-.00058	.00928	.00638	.00000	2.9291	.00002	-.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	**.00011**	**-.00001**	**-.00174**	**.50999**	**.41317**	**.00125**	**.77290**	**.00043**	**.00005**
Stddev	.00025	.00006	.00039	.00052	.00973	.00053	.00017	.00005	.00017
%RSD	227.51	483.11	22.400	.10102	2.3557	42.281	.02223	11.092	360.71
#1	.00029	.00003	-.00201	.50963	.40628	.00162	.77278	.00047	-.00007
#2	-.00007	-.00006	-.00146	.51036	.42005	.00087	.77302	.00040	.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	**6.4324**	**-.00054**	**.00057**	**1.434**	**-.00089**	**.00140**	**1.4759**	**-.00012**	**.01049**
Stddev	.0493	.00005	.00077	.012	.00025	.00048	.0221	.00038	.00002
%RSD	.76638	8.5596	134.02	.8072	28.182	33.833	1.4955	326.68	.18148
#1	6.3976	-.00051	.00003	1.426	-.00071	.00107	1.4603	.00015	.01048
#2	6.4673	-.00057	.00111	1.442	-.00107	.00174	1.4915	-.00039	.01050
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**	**.00164**	**.00008**	**.00117**
Stddev	.00007	.00003	.00027	.00023
%RSD	53.129	1.5956	330.09	19.414
#1	.00009	.00166	.00027	.00133
#2	.00019	.00162	-.00011	.00101
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				
Low Limit				

Int. Std.	In2306	Y_2243	Y_3600	Y_3774
Line	230.606 {446}	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**3583.4**	**5060.5**	**72987.**	**15413.**
Stddev	3.0	14.4	257.	222.
%RSD	.08233	.28373	.35222	1.4404
#1	3581.3	5050.3	73169.	15570.
#2	3585.5	5070.6	72806.	15256.

Sample Name: 480-55329-A-1-A PDS Acquired: 3/13/2014 19:32:58 Type: Unk
Method: ICAP1 New RLs at low cal point Mode: CONC Corr. Factor: 1.000000
User: AMH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	B_2089	Ba4554-2	Be3130	Ca3179	Cd2288	Co2286
Line	328.068 {103}	308.215 {109}	189.042 {478}	208.959 {461}	455.403 { 74}2	313.042 {108}	317.933 {106}	228.802 {447}	228.616 {447}
IS Ref	(Y_3600)	(Y_3774)	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3774)	(Y_3774)	(Y_2243)	(In2306)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.04899**	**9.8422**	**.21003**	**.24047**	**.22571**	**.20391**	**23.709**	**.20255**	**.19907**
Stddev	.00061	.0194	.00193	.00174	.00008	.00067	.131	.00096	.00021
%RSD	1.2496	.19680	.91905	.72372	.03607	.33096	.55059	.47478	.10666
#1	.04943	9.8285	.21140	.24170	.22577	.20343	23.617	.20323	.19922
#2	.04856	9.8559	.20867	.23924	.22565	.20438	23.801	.20187	.19892
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Cr2677	Cu3247	Fe2599	K_7664	K_7664-2	Li6707	Mg2790	Mn2576	Mo2020
Line	267.716 {126}	324.754 {104}	259.940 {130}	766.490 { 44}	766.490 { 44}2	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}
IS Ref	(Y_3600)	(Y_3600)	(Y_3774)	(Y_3774)	(Y_3774)	(Y_3774)	(Y_3600)	(Y_3600)	(Y_2243)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.19345**	**.20303**	**9.8505**	**12.070**	**13.041**	**.19951**	**13.762**	**.20071**	**.20230**
Stddev	.00078	.00023	.0320	.014	.213	.00135	.051	.00073	.00041
%RSD	.40398	.11133	.32463	.11394	1.6355	.67482	.37372	.36355	.20176
#1	.19290	.20319	9.8279	12.080	12.890	.20046	13.726	.20020	.20259
#2	.19400	.20287	9.8731	12.061	13.191	.19855	13.799	.20123	.20201
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Na5895	Ni2316	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899	Sr4077
Line	589.592 { 57}	231.604 {446}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}2	189.989 {477}	407.771 { 83}
IS Ref	(Y_3774)	(In2306)	(In2306)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3774)	(In2306)	(Y_3774)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**41.911**	**.20297**	**.19697**	**6.920**	**.19789**	**.20664**	**17.057**	**.19376**	**.24404**
Stddev	.005	.00068	.00047	.003	.00101	.00240	.089	.00002	.00025
%RSD	.01196	.33606	.24048	.0392	.51205	1.1608	.52070	.00970	.10167
#1	41.915	.20345	.19664	6.922	.19861	.20833	16.994	.19375	.24386
#2	41.908	.20249	.19731	6.918	.19717	.20494	17.120	.19378	.24421
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	**.19244**	**.19942**	**.19828**	**.19849**
Stddev	.00101	.00045	.00089	.00127
%RSD	.52710	.22617	.45122	.64214
#1	.19172	.19911	.19765	.19759
#2	.19316	.19974	.19892	.19939
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				
Low Limit				

Int. Std.	In2306	Y_2243	Y_3600	Y_3774
Line	230.606 {446}	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**3376.6**	**5044.1**	**71150.**	**15492.**
Stddev	8.8	24.0	98.	82.
%RSD	.26104	.47615	.13731	.53084
#1	3370.4	5027.1	71219.	15550.
#2	3382.8	5061.1	71081.	15433.

Sample Name: 480-55329-A-1-B MS Acquired: 3/13/2014 19:35:43 Type: Unk
Method: ICAP1 New RLs at low cal point Mode: CONC Corr. Factor: 1.000000
User: AMH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	B_2089	Ba4554-2	Be3130	Ca3179	Cd2288	Co2286
Line	328.068 {103}	308.215 {109}	189.042 {478}	208.959 {461}	455.403 { 74}2	313.042 {108}	317.933 {106}	228.802 {447}	228.616 {447}
IS Ref	(Y_3600)	(Y_3774)	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3774)	(Y_3774)	(Y_2243)	(In2306)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.05018**	**10.036**	**.21235**	**.24592**	**.23146**	**.20664**	**23.943**	**.20409**	**.20153**
Stddev	.00039	.014	.00096	.00008	.00041	.00014	.053	.00009	.00016
%RSD	.77363	.14124	.45121	.03148	.17699	.06844	.22159	.04236	.07748
#1	.04991	10.046	.21302	.24587	.23175	.20654	23.981	.20403	.20142
#2	.05045	10.026	.21167	.24598	.23117	.20674	23.906	.20416	.20164
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Cr2677	Cu3247	Fe2599	K_7664	K_7664-2	Li6707	Mg2790	Mn2576	Mo2020
Line	267.716 {126}	324.754 {104}	259.940 {130}	766.490 { 44}	766.490 { 44}2	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}
IS Ref	(Y_3600)	(Y_3600)	(Y_3774)	(Y_3774)	(Y_3774)	(Y_3774)	(Y_3600)	(Y_3600)	(Y_2243)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.19599**	**.20412**	**9.9645**	**12.283**	**13.198**	**.20147**	**13.924**	**.19937**	**.20492**
Stddev	.00130	.00097	.0318	.016	.024	.00099	.017	.00015	.00000
%RSD	.66296	.47688	.31874	.12891	.18088	.49029	.12544	.07654	.00112
#1	.19691	.20481	9.9421	12.294	13.181	.20217	13.912	.19927	.20492
#2	.19507	.20343	9.9870	12.272	13.215	.20077	13.936	.19948	.20493
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	**42.035**	**.20501**	**.19994**	**6.989**	**.19992**	**.20910**	**17.144**	**.19699**	**.24802**
Stddev	.097	.00089	.00200	.005	.00072	.00271	.007	.00062	.00065
%RSD	.22976	.43318	1.0001	.0671	.35794	1.2965	.04345	.31634	.26269
#1	42.103	.20563	.20136	6.986	.20043	.21102	17.139	.19655	.24848
#2	41.966	.20438	.19853	6.993	.19942	.20718	17.149	.19743	.24756
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	**.19692**	**.20100**	**.20181**	**.19711**
Stddev	.00032	.00178	.00004	.00171
%RSD	.16181	.88397	.01741	.86628
#1	.19714	.19975	.20179	.19590
#2	.19669	.20226	.20184	.19832
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				
Low Limit				

Int. Std.	In2306	Y_2243	Y_3600	Y_3774
Line	230.606 {446}	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**3364.5**	**5048.4**	**70962.**	**15431.**
Stddev	3.3	1.8	25.	19.
%RSD	.09877	.03502	.03532	.12142
#1	3362.1	5047.1	70944.	15418.
#2	3366.8	5049.6	70979.	15444.

Sample Name: 480-55329-A-1-C MSD Acquired: 3/13/2014 19:38:28 Type: Unk
Method: ICAP1 New RLs at low cal point Mode: CONC Corr. Factor: 1.000000
User: AMH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	B_2089	Ba4554-2	Be3130	Ca3179	Cd2288	Co2286
Line	328.068 {103}	308.215 {109}	189.042 {478}	208.959 {461}	455.403 { 74}2	313.042 {108}	317.933 {106}	228.802 {447}	228.616 {447}
IS Ref	(Y_3600)	(Y_3774)	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3774)	(Y_3774)	(Y_2243)	(In2306)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.05253**	**10.440**	**.21501**	**.24941**	**.24085**	**.20898**	**25.091**	**.20700**	**.20557**
Stddev	.00126	.057	.00151	.00008	.00016	.00067	.169	.00014	.00031
%RSD	2.4012	.54522	.70108	.03081	.06627	.31935	.67476	.06914	.15267
#1	.05163	10.400	.21394	.24946	.24073	.20851	24.971	.20689	.20535
#2	.05342	10.481	.21608	.24936	.24096	.20945	25.210	.20710	.20579
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Cr2677	Cu3247	Fe2599	K_7664	K_7664-2	Li6707	Mg2790	Mn2576	Mo2020
Line	267.716 {126}	324.754 {104}	259.940 {130}	766.490 { 44}	766.490 { 44}2	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}
IS Ref	(Y_3600)	(Y_3600)	(Y_3774)	(Y_3774)	(Y_3774)	(Y_3774)	(Y_3600)	(Y_3600)	(Y_2243)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.20344**	**.21274**	**10.092**	**12.774**	**13.632**	**.20982**	**14.374**	**.20469**	**.20799**
Stddev	.00155	.00067	.039	.023	.039	.00161	.015	.00004	.00013
%RSD	.75976	.31417	.39057	.17885	.28516	.76538	.10175	.01973	.06312
#1	.20453	.21321	10.064	12.758	13.605	.20868	14.363	.20466	.20809
#2	.20234	.21227	10.120	12.790	13.660	.21095	14.384	.20472	.20790
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	**44.403**	**.20879**	**.20207**	**7.238**	**.20584**	**.21160**	**17.954**	**.20319**	**.26084**
Stddev	.092	.00029	.00163	.009	.00302	.00028	.044	.00039	.00124
%RSD	.20714	.13987	.80666	.1273	1.4696	.13303	.24717	.19164	.47614
#1	44.338	.20858	.20092	7.232	.20370	.21140	17.923	.20292	.25996
#2	44.468	.20899	.20322	7.245	.20798	.21180	17.985	.20347	.26172
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	**.20403**	**.20654**	**.21075**	**.20219**
Stddev	.00152	.00015	.00030	.00092
%RSD	.74380	.07048	.14259	.45584
#1	.20296	.20643	.21054	.20154
#2	.20511	.20664	.21096	.20284
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				
Low Limit				

Int. Std.	In2306	Y_2243	Y_3600	Y_3774
Line	230.606 {446}	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**3353.0**	**5058.5**	**69537.**	**15240.**
Stddev	.9	6.1	63.	97.
%RSD	.02764	.12011	.09126	.63966
#1	3352.3	5054.2	69492.	15309.
#2	3353.6	5062.8	69582.	15171.

Sample Name: 480-55329-A-2-A Acquired: 3/13/2014 19:41:13 Type: Unk
Method: ICAP1 New RLs at low cal point Mode: CONC Corr. Factor: 1.000000
User: AMH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	B_2089	Ba4554-2	Be3130	Ca3179	Cd2288	Co2286
Line	328.068 {103}	308.215 {109}	189.042 {478}	208.959 {461}	455.403 { 74}2	313.042 {108}	317.933 {106}	228.802 {447}	228.616 {447}
IS Ref	(Y_3600)	(Y_3774)	(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**	**.00816**	**-.00147**	**.04114**	**.03394**	**.00002**	**15.478**	**.00003**	**.00004**
Stddev	.00056	.00437	.00006	.00008	.00001	.00008	.027	.00003	.00007
%RSD	867.05	53.510	3.7896	.18649	.02180	494.22	.17304	103.74	170.95
#1	-.00046	.00507	-.00143	.04109	.03394	.00007	15.459	.00001	-.00001
#2	.00033	.01125	-.00151	.04120	.03393	-.00004	15.497	.00004	.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	**.00060**	**.00123**	**.00024**	**2.6215**	**2.6996**	**.00233**	**4.0674**	**.00093**	**-.00004**
Stddev	.00002	.00055	.00141	.0104	.0016	.00051	.0147	.00006	.00008
%RSD	3.7161	44.657	580.80	.39813	.06012	21.825	.36051	6.9771	192.60
#1	.00062	.00084	.00124	2.6288	2.6984	.00269	4.0570	.00097	-.00009
#2	.00059	.00162	-.00075	2.6141	2.7007	.00197	4.0777	.00088	.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	**35.293**	**-.00010**	**.00100**	**7.435**	**-.00165**	**-.00034**	**7.9452**	**.00020**	**.05732**
Stddev	.006	.00008	.00129	.045	.00061	.00053	.0299	.00003	.00016
%RSD	.01799	82.657	129.11	.6120	36.730	156.80	.37596	14.019	.27821
#1	35.289	-.00004	.00191	7.402	-.00122	-.00071	7.9241	.00022	.05721
#2	35.298	-.00016	.00009	7.467	-.00208	.00004	7.9664	.00018	.05743
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**	**.00074**	**.00093**	**.00124**
Stddev	.00038	.00022	.00015	.00048
%RSD	79.001	29.182	16.254	38.904
#1	.00074	.00059	.00104	.00090
#2	.00021	.00089	.00082	.00158
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				
Low Limit				

Int. Std.	In2306	Y_2243	Y_3600	Y_3774
Line	230.606 {446}	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**3461.9**	**5101.6**	**69564.**	**15106.**
Stddev	2.2	2.6	234.	17.
%RSD	.06464	.05040	.33608	.11057
#1	3463.5	5103.4	69730.	15117.
#2	3460.3	5099.8	69399.	15094.

Sample Name: 480-55329-A-3-A Acquired: 3/13/2014 19:44:01 Type: Unk
Method: ICAP1 New RLs at low cal point Mode: CONC Corr. Factor: 1.000000
User: AMH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	B_2089	Ba4554-2	Be3130	Ca3179	Cd2288	Co2286
Line	328.068 {103}	308.215 {109}	189.042 {478}	208.959 {461}	455.403 { 74}2	313.042 {108}	317.933 {106}	228.802 {447}	228.616 {447}
IS Ref	(Y_3600)	(Y_3774)	(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**	**.02781**	**-.00238**	**.03594**	**.12783**	**-.00000**	**11.975**	**.00037**	**.00002**
Stddev	.00013	.00679	.00148	.00018	.00025	.00002	.050	.00000	.00004
%RSD	154.51	24.421	62.512	.50703	.19274	1788.1	.41554	.95057	217.08
#1	.00018	.02301	-.00133	.03606	.12800	.00002	11.940	.00037	-.00001
#2	-.00001	.03262	-.00343	.03581	.12765	-.00002	12.011	.00037	.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	**.00024**	**.00332**	**-.00045**	**2.4021**	**3.0325**	**.00158**	**1.2479**	**.00685**	**-.00011**
Stddev	.00026	.00003	.00017	.0128	.0080	.00042	.0049	.00010	.00011
%RSD	105.56	1.0047	37.584	.53184	.26413	26.892	.39518	1.4494	102.07
#1	.00043	.00330	-.00056	2.3931	3.0269	.00128	1.2514	.00692	-.00003
#2	.00006	.00335	-.00033	2.4112	3.0382	.00188	1.2444	.00678	-.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	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	**110.88**	**.00143**	**.00012**	**7.171**	**-.00098**	**.00097**	**4.0828**	**-.00006**	**.06189**
Stddev	.20	.00007	.00020	.029	.00045	.00027	.0248	.00002	.00054
%RSD	.18068	5.2173	171.07	.3999	45.753	28.286	.60637	43.774	.86764
#1	110.74	.00148	.00026	7.151	-.00067	.00116	4.0652	-.00007	.06151
#2	111.02	.00137	-.00002	7.191	-.00130	.00077	4.1003	-.00004	.06227
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	**.00007**	**.00165**	**.00057**	**.01420**
Stddev	.00005	.00073	.00030	.00022
%RSD	75.179	44.395	51.736	1.5614
#1	.00003	.00113	.00036	.01435
#2	.00010	.00217	.00078	.01404
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				
Low Limit				

Int. Std.	In2306	Y_2243	Y_3600	Y_3774
Line	230.606 {446}	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**3332.5**	**5049.3**	**67589.**	**15080.**
Stddev	3.4	.0	235.	90.
%RSD	.10155	.00081	.34782	.59436
#1	3334.9	5049.3	67422.	15143.
#2	3330.2	5049.3	67755.	15017.

Sample Name: 480-55329-A-4-A Acquired: 3/13/2014 19:46:49 Type: Unk
Method: ICAP1 New RLs at low cal point Mode: CONC Corr. Factor: 1.000000
User: AMH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	B_2089	Ba4554-2	Be3130	Ca3179	Cd2288	Co2286
Line	328.068 {103}	308.215 {109}	189.042 {478}	208.959 {461}	455.403 { 74}2	313.042 {108}	317.933 {106}	228.802 {447}	228.616 {447}
IS Ref	(Y_3600)	(Y_3774)	(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**	**.00478**	**.00146**	**.06031**	**.05111**	**.00006**	**31.030**	**.00008**	**.00000**
Stddev	.00027	.00002	.00178	.00031	.00006	.00006	.264	.00010	.00020
%RSD	436.66	.37287	121.31	.51924	.12038	92.175	.85205	115.52	9849.5
#1	-.00025	.00477	.00021	.06053	.05107	.00010	30.843	.00002	.00015
#2	.00013	.00479	.00272	.06009	.05116	.00002	31.217	.00015	-.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	**.00023**	**.00233**	**.00121**	**1.7727**	**2.0966**	**.00154**	**10.025**	**.00099**	**-.00000**
Stddev	.00001	.00004	.00183	.0016	.0255	.00009	.001	.00003	.00012
%RSD	3.3271	1.8353	150.77	.08977	1.2144	6.0606	.01132	3.5253	2596.1
#1	.00023	.00230	.00251	1.7716	2.0786	.00148	10.024	.00101	-.00009
#2	.00022	.00237	-.00008	1.7738	2.1146	.00161	10.026	.00097	.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	**71.829**	**-.00007**	**.00017**	**8.811**	**-.00192**	**.00231**	**8.3833**	**-.00004**	**.10920**
Stddev	.333	.00023	.00018	.004	.00138	.00149	.0180	.00042	.00021
%RSD	.46396	338.69	100.63	.0511	72.103	64.244	.21447	971.37	.19405
#1	71.593	-.00023	.00005	8.814	-.00094	.00126	8.3706	-.00034	.10905
#2	72.064	.00010	.00030	8.808	-.00289	.00337	8.3960	.00026	.10935
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	**.00027**	**.00022**	**.00099**	**.00448**
Stddev	.00070	.00092	.00013	.00033
%RSD	255.02	413.18	12.822	7.4041
#1	.00077	-.00043	.00090	.00471
#2	-.00022	.00087	.00108	.00424
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				
Low Limit				

Int. Std.	In2306	Y_2243	Y_3600	Y_3774
Line	230.606 {446}	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**3331.0**	**5021.3**	**67019.**	**14730.**
Stddev	2.6	1.2	11.	127.
%RSD	.07719	.02339	.01659	.86451
#1	3332.8	5020.4	67026.	14820.
#2	3329.2	5022.1	67011.	14640.

Sample Name: CCV Acquired: 3/13/2014 19:49:37 Type: QC
Method: ICAP1 New RLs at low cal point Mode: CONC Corr. Factor: 1.000000
User: AMH 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	**.51835**	**26.153**	**.51907**	**.50463**	**.52323**	**.50456**	**25.536**	**.51190**	**.51258**	**.52588**	**.53444**	**24.795**
Stddev	.00134	.026	.00150	.00062	.00027	.00073	.049	.00087	.00033	.00052	.00068	.033
%RSD	.25804	.10022	.28969	.12253	.05177	.14416	.19015	.16923	.06343	.09811	.12793	.13116
#1	.51929	26.172	.51801	.50419	.52304	.50405	25.502	.51128	.51281	.52624	.53493	24.772
#2	.51740	26.135	.52013	.50507	.52342	.50508	25.570	.51251	.51235	.52551	.53396	24.818
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	**26.251**	**25.847**	**.52268**	**25.951**	**.51854**	**.51668**	**26.418**	**.50560**	**.51272**	**25.94**	**.52604**	**.51393**
Stddev	.068	.204	.00119	.055	.00076	.00092	.035	.00069	.00138	.04	.00073	.00196
%RSD	.25864	.79092	.22687	.21069	.14731	.17765	.13204	.13692	.26837	.1673	.13806	.38040
#1	26.203	25.991	.52352	25.989	.51908	.51603	26.443	.50609	.51175	25.91	.52655	.51532
#2	26.299	25.702	.52184	25.912	.51800	.51733	26.394	.50511	.51369	25.97	.52553	.51255
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	**25.602**	**.53629**	**.52385**	**.53589**	**.50707**	**.53625**	**.53059**
Stddev	.148	.00006	.00029	.00068	.00314	.00082	.00139
%RSD	.57748	.01126	.05521	.12619	.61957	.15224	.26154
#1	25.497	.53633	.52364	.53637	.50929	.53567	.52961
#2	25.707	.53625	.52405	.53541	.50485	.53682	.53158
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	**3297.8**	**5076.6**	**66985.**	**14800.**
Stddev	1.6	2.1	76.	45.
%RSD	.04911	.04185	.11385	.30360
#1	3299.0	5078.1	66931.	14832.
#2	3296.7	5075.1	67039.	14769.

Sample Name: CCB Acquired: 3/13/2014 19:52:23 Type: QC
Method: ICAP1 New RLs at low cal point Mode: CONC Corr. Factor: 1.000000
User: AMH 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	**.00000**	**-.00708**	**-.00034**	**.00182**	**.00007**	**.00008**	**.01960**	**-.00003**	**-.00000**	**-.00018**	**.00122**	**-.00195**
Stddev	.00025	.00735	.00077	.00004	.00002	.00001	.00043	.00003	.00006	.00030	.00012	.00111
%RSD	7909.5	103.87	224.99	2.1022	32.700	17.846	2.2008	106.90	10690.	171.05	10.148	57.171
#1	.00018	-.00188	-.00089	.00180	.00008	.00009	.01930	-.00006	.00005	-.00039	.00113	-.00116
#2	-.00017	-.01228	.00020	.00185	.00005	.00007	.01991	-.00001	-.00005	.00004	.00131	-.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
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	**.05432**	**.00497**	**.00094**	**.00088**	**-.00002**	**.00014**	**.02852**	**-.00036**	**.00004**	F **.0255**	**.00012**	**.00185**
Stddev	.00906	.00004	.00040	.00336	.00006	.00005	.00622	.00005	.00080	.0013	.00066	.00160
%RSD	16.680	.90047	42.877	380.39	356.47	39.100	21.816	13.889	2058.6	5.062	573.80	86.637
#1	.04791	.00500	.00123	-.00149	-.00006	.00010	.02412	-.00040	-.00053	.0264	-.00035	.00298
#2	.06072	.00493	.00066	.00326	.00002	.00018	.03292	-.00032	.00061	.0246	.00058	.00072
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
High Limit										.0030		
Low Limit										-.0040		

Elem	Si2881	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.02119**	**.00015**	**-.00009**	**.00002**	**-.00026**	**.00020**	**.00095**
Stddev	.00089	.00005	.00003	.00007	.00128	.00004	.00023
%RSD	4.2028	35.100	34.002	475.59	484.75	21.404	23.838
#1	.02056	.00011	-.00011	.00007	.00064	.00023	.00079
#2	.02182	.00019	-.00007	-.00004	-.00117	.00017	.00112
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	**3610.5**	**5233.4**	**70542.**	**14883.**
Stddev	.8	4.4	137.	29.
%RSD	.02153	.08475	.19353	.19632
#1	3609.9	5230.3	70446.	14863.
#2	3611.0	5236.6	70639.	14904.

Sample Name: CCVL Acquired: 3/13/2014 19:55:15 Type: QC
Method: ICAP1 New RLs at low cal point Mode: CONC Corr. Factor: 1.000000
User: AMH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	B_2089	Ba4554-2	Be3130	Ca3179	Cd2288	Co2286	Cr2677	Cu3247
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00594**	**.20424**	**.01582**	**.02105**	**.00244**	**.00201**	**.52927**	**.00200**	**.00404**	**.00436**	**.01181**
Stddev	.00037	.00458	.00256	.00012	.00000	.00002	.00393	.00001	.00008	.00073	.00046
%RSD	6.1776	2.2420	16.184	.57712	.08209	.85343	.74239	.49049	1.9511	16.755	3.9068
#1	.00568	.20748	.01401	.02096	.00244	.00202	.52650	.00200	.00410	.00488	.01214
#2	.00620	.20101	.01764	.02114	.00244	.00200	.53205	.00199	.00399	.00384	.01149
Check ?	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
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.05004**	**.54011**	**.41530**	**.03175**	**.21124**	W **.00426**	**.01025**	**1.0781**	**.01086**	**.01070**	**.2311**
Stddev	.00092	.03390	.00038	.00001	.00268	.00015	.00000	.0043	.00025	.00027	.0038
%RSD	1.8414	6.2762	.09153	.01668	1.2689	3.5095	.03971	.39460	2.2594	2.4977	1.666
#1	.04939	.56408	.41557	.03175	.20935	.00416	.01025	1.0751	.01068	.01089	.2284
#2	.05070	.51614	.41503	.03176	.21314	.00437	.01026	1.0811	.01103	.01051	.2338
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value						.00300					
Range						30.000%					

Elem	Sb2068	Se1960	Si2881	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.02031**	**.02591**	**.52860**	**.01085**	**.00505**	**.00501**	**.02008**	**.00563**	**.01081**
Stddev	.00056	.00019	.00606	.00074	.00003	.00006	.00228	.00004	.00020
%RSD	2.7562	.75243	1.1465	6.7935	.49867	1.1929	11.365	.65440	1.8620
#1	.02071	.02605	.53289	.01033	.00503	.00505	.01846	.00561	.01067
#2	.01992	.02578	.52432	.01137	.00506	.00497	.02169	.00566	.01096
Check ?	Chk Pass	Chk Pass	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	**3656.4**	**5323.1**	**71098.**	**15075.**
Stddev	4.9	4.8	389.	22.
%RSD	.13365	.08971	.54686	.14538
#1	3659.9	5326.5	70823.	15091.
#2	3653.0	5319.7	71373.	15060.

Sample Name: 480-55329-A-5-A Acquired: 3/13/2014 19:58:05 Type: Unk
Method: ICAP1 New RLs at low cal point Mode: CONC Corr. Factor: 1.000000
User: AMH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	B_2089	Ba4554-2	Be3130	Ca3179	Cd2288	Co2286
Line	328.068 {103}	308.215 {109}	189.042 {478}	208.959 {461}	455.403 { 74}2	313.042 {108}	317.933 {106}	228.802 {447}	228.616 {447}
IS Ref	(Y_3600)	(Y_3774)	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3774)	(Y_3774)	(Y_2243)	(In2306)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00023**	**.01053**	**.00158**	**.07265**	**.04551**	**.00004**	**28.982**	**.00012**	**-.00008**
Stddev	.00101	.00655	.00041	.00020	.00005	.00002	.055	.00003	.00004
%RSD	435.11	62.207	25.947	.27079	.10480	64.674	.19004	28.241	55.919
#1	.00048	.00590	.00129	.07279	.04548	.00002	28.943	.00009	-.00011
#2	-.00095	.01516	.00187	.07251	.04555	.00005	29.020	.00014	-.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	**.00095**	**.00238**	**-.00022**	**3.7405**	**3.8734**	**.00359**	**6.5323**	**.00064**	**-.00013**
Stddev	.00043	.00023	.00083	.0015	.0418	.00081	.0148	.00003	.00005
%RSD	45.011	9.8198	382.20	.04118	1.0777	22.486	.22717	3.9779	39.698
#1	.00065	.00222	-.00081	3.7394	3.8439	.00302	6.5428	.00066	-.00017
#2	.00125	.00255	.00037	3.7415	3.9029	.00416	6.5218	.00062	-.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	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	**30.835**	**-.00003**	**.00108**	F **9.550**	**-.00193**	**.00319**	**10.310**	**-.00024**	**.19088**
Stddev	.018	.00009	.00064	.015	.00043	.00006	.008	.00019	.00048
%RSD	.05807	283.48	59.467	.1540	22.314	1.9745	.07510	79.750	.25092
#1	30.847	-.00010	.00063	9.561	-.00163	.00324	10.304	-.00011	.19054
#2	30.822	.00003	.00154	9.540	-.00224	.00315	10.315	-.00038	.19122
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				9.000					
Low Limit				-.2000					

Elem	Ti3349	Tl1908	V_2924	Zn2062
Line	334.904 {101}	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**	**-.00096**	**.00101**	**.00400**
Stddev	.00010	.00122	.00031	.00058
%RSD	1994.0	127.88	30.584	14.499
#1	-.00008	-.00009	.00079	.00359
#2	.00007	-.00182	.00123	.00441
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				
Low Limit				

Int. Std.	In2306	Y_2243	Y_3600	Y_3774
Line	230.606 {446}	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**3406.3**	**5070.4**	**67461.**	**14946.**
Stddev	3.4	2.1	96.	42.
%RSD	.09854	.04095	.14283	.27812
#1	3408.7	5071.9	67393.	14976.
#2	3403.9	5069.0	67529.	14917.

Sample Name: 480-55329-A-6-A Acquired: 3/13/2014 20:00:52 Type: Unk
Method: ICAP1 New RLs at low cal point Mode: CONC Corr. Factor: 1.000000
User: AMH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	B_2089	Ba4554-2	Be3130	Ca3179	Cd2288	Co2286
Line	328.068 {103}	308.215 {109}	189.042 {478}	208.959 {461}	455.403 { 74}2	313.042 {108}	317.933 {106}	228.802 {447}	228.616 {447}
IS Ref	(Y_3600)	(Y_3774)	(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**	**.07332**	**.00058**	**.03232**	**.02771**	**.00002**	**57.910**	**.00013**	**-.00000**
Stddev	.00033	.00392	.00185	.00002	.00004	.00001	.242	.00004	.00003
%RSD	145.26	5.3467	321.12	.07305	.15135	24.033	.41773	28.244	1023.1
#1	.00001	.07610	-.00073	.03233	.02768	.00003	57.739	.00011	.00002
#2	-.00046	.07055	.00188	.03230	.02774	.00002	58.081	.00016	-.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	**.00197**	**.00245**	**-.00133**	**.97260**	**.98171**	**.00371**	**4.4974**	**.00100**	**-.00010**
Stddev	.00027	.00017	.00046	.03046	.00312	.00067	.0090	.00001	.00001
%RSD	13.561	6.9923	34.507	3.1316	.31745	18.120	.20107	.53653	6.5663
#1	.00178	.00257	-.00100	.99414	.97951	.00324	4.5038	.00099	-.00010
#2	.00215	.00233	-.00165	.95106	.98392	.00419	4.4910	.00100	-.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	**12.851**	**-.00024**	**.00093**	**6.101**	**-.00207**	**-.00060**	**9.8874**	**-.00005**	**.12507**
Stddev	.079	.00034	.00123	.001	.00160	.00162	.0544	.00002	.00067
%RSD	.61746	141.90	132.31	.0193	76.997	267.57	.55017	36.893	.53406
#1	12.795	-.00047	.00179	6.101	-.00320	.00054	9.8489	-.00003	.12459
#2	12.907	.00000	.00006	6.102	-.00094	-.00175	9.9258	-.00006	.12554
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	**.00032**	**.00097**	**.00183**	**.00729**
Stddev	.00035	.00253	.00034	.00011
%RSD	108.22	261.59	18.409	1.4909
#1	.00008	-.00082	.00159	.00737
#2	.00057	.00276	.00206	.00721
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				
Low Limit				

Int. Std.	In2306	Y_2243	Y_3600	Y_3774
Line	230.606 {446}	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**3413.0**	**5076.8**	**67527.**	**14959.**
Stddev	1.1	6.2	14.	51.
%RSD	.03342	.12228	.02017	.34303
#1	3412.2	5081.2	67517.	14995.
#2	3413.8	5072.4	67536.	14923.

Sample Name: 480-55184-J-8-C Acquired: 3/13/2014 20:03:39 Type: Unk
Method: ICAP1 New RLs at low cal point Mode: CONC Corr. Factor: 1.000000
User: AMH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	B_2089	Ba4554-2	Be3130	Ca3179	Cd2288	Co2286
Line	328.068 {103}	308.215 {109}	189.042 {478}	208.959 {461}	455.403 { 74}2	313.042 {108}	317.933 {106}	228.802 {447}	228.616 {447}
IS Ref	(Y_3600)	(Y_3774)	(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**	**27.947**	**.01505**	**.05772**	**.25384**	**.00145**	**130.89**	**.00080**	**.02496**
Stddev	.00043	.105	.00060	.00046	.00049	.00005	.39	.00004	.00015
%RSD	152.21	.37630	4.0046	.79478	.19415	3.5859	.30088	5.1842	.59320
#1	.00058	28.022	.01548	.05804	.25419	.00141	131.17	.00077	.02486
#2	-.00002	27.873	.01463	.05739	.25350	.00148	130.61	.00083	.02506
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Cr2677	Cu3247	Fe2599	Fe2714	K_7664	K_7664-2	Li6707	Mg2790	Mn2576
Line	267.716 {126}	324.754 {104}	259.940 {130}	271.441 {124}	766.490 { 44}	766.490 { 44}2	670.784 { 50}	279.079 {121}2	257.610 {131}
IS Ref	(Y_3600)	(Y_3600)	(Y_3774)	(Y_3774)	(Y_3774)	(Y_3774)	(Y_3774)	(Y_3600)	(Y_3600)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.05354**	**.16610**	**44.229**	**48.183**	**11.207**	**12.955**	**.04728**	**19.713**	**2.2620**
Stddev	.00017	.00009	.014	.166	.016	.021	.00124	.011	.0007
%RSD	.31761	.05403	.03147	.34536	.14694	.16327	2.6164	.05389	.03179
#1	.05342	.16616	44.219	48.301	11.218	12.940	.04816	19.720	2.2626
#2	.05366	.16604	44.239	48.065	11.195	12.969	.04641	19.705	2.2615
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	Na5895	Ni2316	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899
Line	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	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	**.00957**	**35.222**	**.06088**	**.09179**	F **14.29**	**-.00144**	**.00507**	**41.862**	**.00543**
Stddev	.00018	.077	.00013	.00002	.02	.00102	.00177	.206	.00005
%RSD	1.8328	.21919	.20585	.01754	.1241	70.831	34.981	.49103	.82867
#1	.00969	35.277	.06097	.09180	14.28	-.00216	.00382	42.007	.00547
#2	.00944	35.168	.06079	.09177	14.30	-.00072	.00633	41.717	.00540
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					9.000				
Low Limit					-.2000				

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	**.78787**	**.27652**	**.00136**	**.07438**	**.18772**
Stddev	.00138	.00735	.00027	.00030	.00043
%RSD	.17466	2.6581	20.028	.40069	.22865
#1	.78885	.28171	.00117	.07417	.18741
#2	.78690	.27132	.00156	.07459	.18802
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	**3185.7**	**5055.4**	**66469.**	**15145.**
Stddev	2.0	5.7	24.	24.
%RSD	.06404	.11216	.03579	.16005
#1	3187.1	5059.4	66486.	15128.
#2	3184.3	5051.4	66452.	15162.

Sample Name: 480-55184-J-10-G Acquired: 3/13/2014 20:06:28 Type: Unk
Method: ICAP1 New RLs at low cal point Mode: CONC Corr. Factor: 1.000000
User: AMH 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	**-.00125**	**108.73**	**.04838**	**.12050**	**.50573**	**.00547**	**43.213**	**.00269**	**.08547**
Stddev	.00055	.01	.00339	.00010	.00091	.00001	.139	.00005	.00038
%RSD	44.065	.00793	7.0064	.08530	.18006	.24895	.32249	1.9766	.44598
#1	-.00086	108.74	.04599	.12042	.50509	.00546	43.312	.00272	.08574
#2	-.00164	108.72	.05078	.12057	.50637	.00548	43.115	.00265	.08520
Check ?	Chk 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	**.14375**	**.30873**	**171.28**	**28.506**	**30.783**	**.18437**	**33.202**	**2.5677**	**.01688**
Stddev	.00063	.00091	.44	.005	.182	.00029	.012	.0004	.00065
%RSD	.43581	.29394	.25580	.01587	.59228	.15993	.03501	.01582	3.8340
#1	.14330	.30937	171.59	28.509	30.654	.18458	33.193	2.5674	.01734
#2	.14419	.30809	170.97	28.503	30.912	.18416	33.210	2.5680	.01642
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	**37.203**	**.24937**	**.10576**	F **14.46**	**-.00053**	**.00665**	**62.812**	**.00638**	**.22226**
Stddev	.017	.00108	.00035	.02	.00198	.00534	.346	.00012	.00016
%RSD	.04690	.43352	.33182	.1404	373.46	80.366	.55030	1.8933	.07070
#1	37.190	.24861	.10601	14.45	-.00193	.01043	63.057	.00630	.22215
#2	37.215	.25014	.10551	14.47	.00087	.00287	62.568	.00647	.22237
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				9.000					
Low Limit				-.2000					

Elem	Ti3349	Tl1908	V_2924	Zn2062
Line	334.904 {101}	190.856 {477}	292.402 {115}	206.200 {163}
IS Ref	(Y_3600)	(In2306)	(Y_3600)	(Y_3600)
Units	ppm	ppm	ppm	ppm
Avg	**.36915**	**-.00045**	**.23669**	**.93838**
Stddev	.00772	.00227	.00061	.00272
%RSD	2.0917	506.56	.25886	.28951
#1	.36369	.00116	.23713	.93646
#2	.37461	-.00205	.23626	.94030
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				
Low Limit				

Int. Std.	In2306	Y_2243	Y_3600	Y_3774
Line	230.606 {446}	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**3154.1**	**5258.8**	**69631.**	**16035.**
Stddev	2.1	2.5	93.	45.
%RSD	.06815	.04784	.13315	.27787
#1	3155.6	5260.6	69566.	16003.
#2	3152.6	5257.1	69697.	16066.

Sample Name: 55184-J-10-G SD@5 Acquired: 3/13/2014 20:09:19 Type: Unk
Method: ICAP1 New RLs at low cal point Mode: CONC Corr. Factor: 1.000000
User: AMH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	B_2089	Ba4554-2	Be3130	Ca3179	Cd2288	Co2286
Line	328.068 {103}	308.215 {109}	189.042 {478}	208.959 {461}	455.403 { 74}2	313.042 {108}	317.933 {106}	228.802 {447}	228.616 {447}
IS Ref	(Y_3600)	(Y_3774)	(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**	**23.292**	**.00967**	**.02678**	**.11440**	**.00115**	**9.2190**	**.00060**	**.01677**
Stddev	.00006	.095	.00148	.00017	.00019	.00005	.0079	.00008	.00025
%RSD	33.320	.40927	15.265	.64729	.16656	4.4821	.08571	13.471	1.4995
#1	-.00013	23.359	.01071	.02690	.11427	.00111	9.2134	.00054	.01694
#2	-.00021	23.224	.00862	.02666	.11454	.00119	9.2245	.00066	.01659
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Cr2677	Cu3247	Fe2599	K_7664	K_7664-2	Li6707	Mg2790	Mn2576	Mo2020
Line	267.716 {126}	324.754 {104}	259.940 {130}	766.490 { 44}	766.490 { 44}2	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}
IS Ref	(Y_3600)	(Y_3600)	(Y_3774)	(Y_3774)	(Y_3774)	(Y_3774)	(Y_3600)	(Y_3600)	(Y_2243)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.03124**	**.06417**	**34.176**	**6.1795**	**5.7686**	**.03933**	**7.1588**	**.54954**	**.00336**
Stddev	.00019	.00039	.003	.0164	.0467	.00121	.0111	.00117	.00003
%RSD	.60858	.60473	.00999	.26496	.80926	3.0839	.15547	.21221	.93918
#1	.03110	.06389	34.173	6.1679	5.7356	.03847	7.1509	.54872	.00334
#2	.03137	.06444	34.178	6.1911	5.8016	.04019	7.1667	.55037	.00338
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Na5895	Ni2316	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899	Sr4077
Line	589.592 { 57}	231.604 {446}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}2	189.989 {477}	407.771 { 83}
IS Ref	(Y_3774)	(In2306)	(In2306)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3774)	(In2306)	(Y_3774)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**7.7300**	**.04906**	**.02138**	**2.976**	**-.00215**	**.00158**	**14.982**	**.00141**	**.04710**
Stddev	.0210	.00022	.00036	.013	.00067	.00214	.070	.00008	.00014
%RSD	.27138	.45767	1.6798	.4368	31.013	134.99	.46484	5.8237	.29244
#1	7.7449	.04890	.02164	2.967	-.00168	.00309	14.933	.00136	.04700
#2	7.7152	.04922	.02113	2.985	-.00263	.00007	15.032	.00147	.04719
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	**.11720**	**-.00104**	**.05118**	**.19849**
Stddev	.01180	.00141	.00034	.00055
%RSD	10.071	136.07	.66794	.27664
#1	.10885	-.00004	.05094	.19888
#2	.12554	-.00203	.05143	.19810
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				
Low Limit				

Int. Std.	In2306	Y_2243	Y_3600	Y_3774
Line	230.606 {446}	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**3425.1**	**5213.1**	**69069.**	**15236.**
Stddev	.7	4.0	50.	6.
%RSD	.02003	.07597	.07192	.03903
#1	3425.6	5210.3	69104.	15232.
#2	3424.6	5215.9	69033.	15240.

Sample Name: 480-55184-J-10-G PDS Acquired: 3/13/2014 20:12:04 Type: Unk
Method: ICAP1 New RLs at low cal point Mode: CONC Corr. Factor: 1.000000
User: AMH 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	**.05015**	**119.16**	**.24624**	**.31783**	**.70523**	**.19317**	**52.121**	**.19699**	**.29109**
Stddev	.00022	.13	.00162	.00048	.00007	.00010	.053	.00018	.00046
%RSD	.43622	.10519	.65915	.15201	.01004	.05334	.10257	.09122	.15911
#1	.05000	119.07	.24739	.31817	.70528	.19309	52.159	.19712	.29142
#2	.05031	119.25	.24509	.31749	.70518	.19324	52.083	.19686	.29077
Check ?	Chk 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	**.33474**	**.51101**	**180.93**	**39.040**	**40.549**	**.39167**	**42.315**	**2.6951**	**.20828**
Stddev	.00208	.00347	.60	.040	.061	.00030	.176	.0153	.00015
%RSD	.62283	.67955	.32907	.10215	.14971	.07631	.41588	.56729	.07125
#1	.33622	.51347	181.35	39.012	40.506	.39146	42.439	2.7059	.20838
#2	.33327	.50856	180.51	39.068	40.592	.39188	42.190	2.6843	.20817
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Na5895	Ni2316	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899	Sr4077
Line	589.592 { 57}	231.604 {446}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}2	189.989 {477}	407.771 { 83}
IS Ref	(Y_3774)	(In2306)	(In2306)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3774)	(In2306)	(Y_3774)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**47.903**	**.44897**	**.30195**	F **14.29**	**.19554**	**.19501**	**73.613**	**.21664**	**.42784**
Stddev	.007	.00090	.00055	.01	.00351	.00419	.204	.00021	.00084
%RSD	.01391	.19960	.18380	.0405	1.7964	2.1495	.27762	.09759	.19719
#1	47.898	.44834	.30156	14.30	.19802	.19797	73.757	.21679	.42725
#2	47.908	.44961	.30234	14.29	.19306	.19204	73.468	.21649	.42844
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				9.000					
Low Limit				-.2000					

Elem	Ti3349	Tl1908	V_2924	Zn2062
Line	334.904 {101}	190.856 {477}	292.402 {115}	206.200 {163}
IS Ref	(Y_3600)	(In2306)	(Y_3600)	(Y_3600)
Units	ppm	ppm	ppm	ppm
Avg	**.59364**	**.19754**	**.43975**	**1.1115**
Stddev	.00752	.00022	.00300	.0068
%RSD	1.2666	.11103	.68215	.61450
#1	.59896	.19770	.44187	1.1163
#2	.58833	.19739	.43763	1.1067
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				
Low Limit				

Int. Std.	In2306	Y_2243	Y_3600	Y_3774
Line	230.606 {446}	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**3095.5**	**5211.4**	**68721.**	**15820.**
Stddev	3.7	2.7	380.	11.
%RSD	.11924	.05210	.55234	.07070
#1	3092.9	5209.5	68452.	15812.
#2	3098.1	5213.4	68989.	15828.

Sample Name: 480-55184-J-10-H MS Acquired: 3/13/2014 20:14:52 Type: Unk
Method: ICAP1 New RLs at low cal point Mode: CONC Corr. Factor: 1.000000
User: AMH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	B_2089	Ba4554-2	Be3130	Ca3179	Cd2288	Co2286
Line	328.068 {103}	308.215 {109}	189.042 {478}	208.959 {461}	455.403 { 74}2	313.042 {108}	317.933 {106}	228.802 {447}	228.616 {447}
IS Ref	(Y_3600)	(Y_3774)	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3774)	(Y_3774)	(Y_2243)	(In2306)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.05243**	**29.093**	**.21304**	**.24652**	**.37745**	**.19830**	**59.499**	**.20405**	**.21217**
Stddev	.00051	.121	.00467	.00038	.00015	.00024	.044	.00042	.00079
%RSD	.97354	.41642	2.1934	.15575	.04070	.12001	.07443	.20565	.37301
#1	.05279	29.008	.21634	.24625	.37756	.19847	59.468	.20376	.21161
#2	.05207	29.179	.20974	.24680	.37734	.19813	59.531	.20435	.21273
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Cr2677	Cu3247	Fe2599	K_7664	K_7664-2	Li6707	Mg2790	Mn2576	Mo2020
Line	267.716 {126}	324.754 {104}	259.940 {130}	766.490 { 44}	766.490 { 44}2	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}
IS Ref	(Y_3600)	(Y_3600)	(Y_3774)	(Y_3774)	(Y_3774)	(Y_3774)	(Y_3600)	(Y_3600)	(Y_2243)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.23014**	**.24603**	**23.373**	**20.180**	**22.167**	**.23211**	**20.938**	**1.1872**	**.20964**
Stddev	.00011	.00056	.024	.029	.050	.00160	.000	.0012	.00094
%RSD	.04879	.22602	.10380	.14171	.22705	.68744	.00032	.09865	.44801
#1	.23022	.24564	23.390	20.160	22.132	.23098	20.938	1.1863	.20898
#2	.23006	.24643	23.356	20.201	22.203	.23324	20.938	1.1880	.21030
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	**53.538**	**.22315**	**.21105**	**5.987**	**.20550**	**.20489**	**44.304**	**.21190**	**.43869**
Stddev	.130	.00022	.00062	.046	.00131	.00608	.087	.00001	.00176
%RSD	.24346	.09636	.29299	.7725	.63853	2.9697	.19538	.00585	.40119
#1	53.446	.22330	.21149	5.954	.20643	.20059	44.243	.21189	.43745
#2	53.630	.22300	.21062	6.019	.20458	.20919	44.365	.21191	.43994
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	**.46465**	**.20278**	**.26306**	**3.8187**
Stddev	.00292	.00190	.00032	.0153
%RSD	.62770	.93898	.12206	.40052
#1	.46671	.20144	.26328	3.8295
#2	.46259	.20413	.26283	3.8079
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				
Low Limit				

Int. Std.	In2306	Y_2243	Y_3600	Y_3774
Line	230.606 {446}	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**3197.5**	**5016.8**	**65444.**	**14957.**
Stddev	1.3	10.2	14.	8.
%RSD	.04109	.20386	.02121	.05417
#1	3198.4	5024.0	65454.	14951.
#2	3196.6	5009.5	65434.	14963.

Sample Name: 480-55184-J-10-I MSD Acquired: 3/13/2014 20:17:36 Type: Unk
Method: ICAP1 New RLs at low cal point Mode: CONC Corr. Factor: 1.000000
User: AMH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	B_2089	Ba4554-2	Be3130	Ca3179	Cd2288	Co2286
Line	328.068 {103}	308.215 {109}	189.042 {478}	208.959 {461}	455.403 { 74}2	313.042 {108}	317.933 {106}	228.802 {447}	228.616 {447}
IS Ref	(Y_3600)	(Y_3774)	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3774)	(Y_3774)	(Y_2243)	(In2306)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.05296**	**34.890**	**.21435**	**.25725**	**.40100**	**.20148**	**59.822**	**.20744**	**.21753**
Stddev	.00024	.004	.00058	.00063	.00082	.00027	.376	.00046	.00026
%RSD	.45015	.01021	.27217	.24528	.20529	.13254	.62798	.22189	.12088
#1	.05279	34.887	.21394	.25770	.40042	.20129	59.556	.20712	.21734
#2	.05313	34.892	.21477	.25681	.40158	.20167	60.088	.20777	.21771
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Cr2677	Cu3247	Fe2599	K_7664	K_7664-2	Li6707	Mg2790	Mn2576	Mo2020
Line	267.716 {126}	324.754 {104}	259.940 {130}	766.490 { 44}	766.490 { 44}2	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}
IS Ref	(Y_3600)	(Y_3600)	(Y_3774)	(Y_3774)	(Y_3774)	(Y_3774)	(Y_3600)	(Y_3600)	(Y_2243)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.23696**	**.25608**	**28.506**	**22.036**	**24.016**	**.23969**	**22.010**	**1.2532**	**.21350**
Stddev	.00187	.00058	.031	.078	.064	.00025	.077	.0040	.00024
%RSD	.78951	.22814	.10732	.35244	.26513	.10541	.34782	.31555	.11274
#1	.23564	.25567	28.485	21.981	24.062	.23951	21.956	1.2504	.21367
#2	.23828	.25649	28.528	22.091	23.971	.23987	22.064	1.2560	.21333
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Na8183	Ni2316	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899	Sr4077
Line	818.326 { 41}	231.604 {446}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}2	189.989 {477}	407.771 { 83}
IS Ref	(Y_3774)	(In2306)	(In2306)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3774)	(In2306)	(Y_3774)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**54.098**	**.23287**	**.21670**	**6.237**	**.20764**	**.20907**	**51.336**	**.21454**	**.44190**
Stddev	.001	.00012	.00049	.011	.00165	.00030	.076	.00029	.00265
%RSD	.00208	.05186	.22570	.1805	.79534	.14571	.14859	.13407	.59864
#1	54.097	.23278	.21635	6.229	.20881	.20885	51.282	.21474	.44003
#2	54.098	.23295	.21704	6.245	.20647	.20928	51.390	.21433	.44377
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	**.49064**	**.20347**	**.27474**	**3.3009**
Stddev	.00483	.00210	.00154	.0201
%RSD	.98362	1.0315	.56113	.60883
#1	.49406	.20496	.27365	3.2866
#2	.48723	.20199	.27583	3.3151
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				
Low Limit				

Int. Std.	In2306	Y_2243	Y_3600	Y_3774
Line	230.606 {446}	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**3183.6**	**5011.7**	**66094.**	**15084.**
Stddev	.8	5.0	291.	68.
%RSD	.02406	.09917	.44083	.45398
#1	3184.1	5015.2	66300.	15133.
#2	3183.1	5008.2	65888.	15036.

Sample Name: 480-55205-F-2-C@5 Acquired: 3/13/2014 20:20:19 Type: Unk
Method: ICAP1 New RLs at low cal point Mode: CONC Corr. Factor: 1.000000
User: AMH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	B_2089	Ba4554-2	Be3130	Ca3179	Cd2288	Co2286
Line	328.068 {103}	308.215 {109}	189.042 {478}	208.959 {461}	455.403 { 74}2	313.042 {108}	317.933 {106}	228.802 {447}	228.616 {447}
IS Ref	(Y_3600)	(Y_3774)	(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**	**.07009**	**.01648**	**12.240**	**.00942**	**-.00007**	**86.414**	**.00011**	**.00013**
Stddev	.00014	.00809	.00033	.010	.00002	.00003	.174	.00010	.00003
%RSD	45.359	11.535	1.9844	.07909	.18936	41.973	.20174	92.543	21.281
#1	.00020	.06438	.01671	12.233	.00940	-.00009	86.537	.00018	.00011
#2	.00040	.07581	.01625	12.247	.00943	-.00005	86.291	.00004	.00015
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Cr2677	Cu3247	Fe2599	K_7664	K_7664-2	Li6707	Mg2790	Mn2576	Mo2020
Line	267.716 {126}	324.754 {104}	259.940 {130}	766.490 { 44}	766.490 { 44}2	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}
IS Ref	(Y_3600)	(Y_3600)	(Y_3774)	(Y_3774)	(Y_3774)	(Y_3774)	(Y_3600)	(Y_3600)	(Y_2243)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00082**	**.00388**	**.01404**	**35.334**	**36.390**	**.21575**	**4.5678**	**.01645**	**3.3368**
Stddev	.00003	.00009	.00301	.003	.140	.00018	.0005	.00005	.0006
%RSD	4.0249	2.3024	21.448	.00974	.38605	.08528	.01157	.30761	.01794
#1	.00084	.00395	.01617	35.332	36.490	.21562	4.5682	.01641	3.3363
#2	.00080	.00382	.01191	35.337	36.291	.21588	4.5674	.01648	3.3372
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	**62.802**	**.00058**	**.00097**	F **117.5**	**-.00145**	**.00680**	**.74316**	**.00023**	**.25014**
Stddev	.109	.00020	.00063	.1	.00100	.00265	.02160	.00044	.00069
%RSD	.17340	35.090	65.041	.0714	69.364	39.002	2.9065	190.92	.27458
#1	62.725	.00044	.00142	117.4	-.00216	.00868	.72788	-.00008	.25062
#2	62.879	.00072	.00053	117.5	-.00074	.00493	.75843	.00054	.24965
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				9.000					
Low Limit				-.2000					

Elem	Ti3349	Tl1908	V_2924	Zn2062
Line	334.904 {101}	190.856 {477}	292.402 {115}	206.200 {163}
IS Ref	(Y_3600)	(In2306)	(Y_3600)	(Y_3600)
Units	ppm	ppm	ppm	ppm
Avg	**.00366**	**.00102**	**.00955**	**.00164**
Stddev	.00025	.00180	.00013	.00083
%RSD	6.7805	176.69	1.3701	50.983
#1	.00348	.00229	.00945	.00105
#2	.00383	-.00025	.00964	.00222
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				
Low Limit				

Int. Std.	In2306	Y_2243	Y_3600	Y_3774
Line	230.606 {446}	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**3199.4**	**4897.6**	**65699.**	**14678.**
Stddev	.1	2.9	191.	30.
%RSD	.00466	.05918	.29057	.20677
#1	3199.5	4899.6	65834.	14657.
#2	3199.3	4895.5	65564.	14700.

Sample Name: CCV Acquired: 3/13/2014 20:23:13 Type: QC
Method: ICAP1 New RLs at low cal point Mode: CONC Corr. Factor: 1.000000
User: AMH 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	**.51283**	**25.621**	**.50928**	**.51267**	**.51527**	**.49984**	**24.920**	**.51894**	**.50798**	**.50677**	**.52114**	**24.447**
Stddev	.00244	.073	.00056	.00219	.00026	.00185	.061	.00010	.00044	.00115	.00208	.118
%RSD	.47609	.28542	.10985	.42640	.05142	.37025	.24383	.01914	.08722	.22686	.39919	.48263
#1	.51111	25.673	.50888	.51422	.51508	.49853	24.963	.51887	.50829	.50759	.51967	24.363
#2	.51456	25.569	.50967	.51113	.51546	.50115	24.877	.51901	.50766	.50596	.52261	24.530
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	**25.693**	**25.138**	**.51476**	**25.670**	**.50996**	**.52221**	**26.004**	**.50361**	**.50735**	**26.19**	**.52975**	**.50288**
Stddev	.065	.142	.00177	.026	.00117	.00026	.069	.00102	.00093	.03	.00169	.00270
%RSD	.25382	.56659	.34472	.10068	.22945	.05072	.26467	.20228	.18334	.1083	.31958	.53784
#1	25.739	25.037	.51602	25.688	.50913	.52240	26.053	.50433	.50801	26.21	.53094	.50097
#2	25.647	25.239	.51351	25.651	.51078	.52203	25.956	.50289	.50670	26.17	.52855	.50480
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	**25.525**	**.52899**	**.51199**	**.54149**	**.50522**	**.52545**	**.51518**
Stddev	.104	.00004	.00176	.00120	.00103	.00048	.00299
%RSD	.40658	.00726	.34283	.22086	.20461	.09049	.58093
#1	25.451	.52901	.51323	.54233	.50595	.52579	.51730
#2	25.598	.52896	.51075	.54064	.50449	.52512	.51307
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	**3270.4**	**5010.2**	**67456.**	**14768.**
Stddev	4.1	1.1	15.	22.
%RSD	.12569	.02115	.02244	.14586
#1	3267.5	5009.4	67466.	14752.
#2	3273.3	5010.9	67445.	14783.

Sample Name: CCB Acquired: 3/13/2014 20:26:00 Type: QC
Method: ICAP1 New RLs at low cal point Mode: CONC Corr. Factor: 1.000000
User: AMH 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**	**-.01451**	**-.00073**	**.00800**	**.00012**	**-.00001**	**.01924**	**.00010**	**-.00003**	**.00013**	**.00080**	**-.00132**
Stddev	.00041	.01899	.00230	.00076	.00002	.00001	.00056	.00002	.00007	.00061	.00002	.00002
%RSD	1366.7	130.89	314.74	9.5369	13.182	259.98	2.8956	19.156	255.98	459.29	2.9730	1.8218
#1	-.00032	-.02794	-.00236	.00854	.00013	-.00001	.01963	.00008	-.00008	-.00030	.00082	-.00133
#2	.00026	-.00108	.00089	.00746	.00011	.00000	.01884	.00011	.00002	.00056	.00078	-.00130
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	**.02486**	**.00640**	**.00104**	**.00164**	**.00007**	**.00035**	**.01626**	**-.00005**	**.00056**	F **.0206**	**.00045**	**.00051**
Stddev	.05782	.00001	.00036	.00083	.00002	.00007	.00017	.00030	.00124	.0001	.00013	.00306
%RSD	232.57	.10451	34.644	50.831	26.905	20.060	1.0658	613.15	220.96	.4043	29.608	596.57
#1	-.01602	.00641	.00129	.00223	.00008	.00030	.01638	-.00026	-.00031	.0206	.00036	.00267
#2	.06575	.00640	.00078	.00105	.00005	.00040	.01614	.00017	.00143	.0207	.00054	-.00165
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
High Limit										.0030		
Low Limit										-.0040		

Elem	Si2881	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.02689**	**-.00006**	**-.00015**	**.00012**	**.00025**	**.00031**	**.00129**
Stddev	.00798	.00042	.00001	.00008	.00128	.00010	.00026
%RSD	29.664	681.03	3.6035	67.960	518.29	31.628	20.332
#1	.02125	-.00035	-.00015	.00018	.00115	.00024	.00110
#2	.03252	.00023	-.00014	.00006	-.00066	.00038	.00147
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	**3585.4**	**5124.8**	**70647.**	**14901.**
Stddev	2.1	4.3	67.	17.
%RSD	.05866	.08379	.09529	.11740
#1	3586.8	5127.9	70600.	14888.
#2	3583.9	5121.8	70695.	14913.

Sample Name: CCVL Acquired: 3/13/2014 20:28:51 Type: QC
Method: ICAP1 New RLs at low cal point Mode: CONC Corr. Factor: 1.000000
User: AMH 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	**.00610**	**.20811**	**.01443**	**.02485**	**.00226**	**.00209**	**.48608**	**.00205**	**.00407**	**.00384**	**.01029**	**.04743**
Stddev	.00021	.00227	.00102	.00002	.00001	.00007	.00374	.00001	.00011	.00004	.00038	.00104
%RSD	3.5085	1.0928	7.0911	.07458	.39732	3.1442	.76968	.31587	2.6651	1.0905	3.6727	2.1963
#1	.00625	.20972	.01370	.02484	.00227	.00213	.48873	.00205	.00414	.00381	.01056	.04670
#2	.00595	.20650	.01515	.02486	.00226	.00204	.48344	.00206	.00399	.00387	.01002	.04817
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	**.52307**	**.40704**	**.03044**	**.20641**	**.00343**	**.01031**	**1.0142**	**.01074**	**.01047**	**.2133**	**.01866**	**.02420**
Stddev	.01919	.00270	.00008	.00116	.00005	.00008	.0101	.00026	.00017	.0025	.00043	.00008
%RSD	3.6682	.66362	.26117	.56052	1.4125	.80830	.99802	2.4602	1.6022	1.162	2.2970	.34317
#1	.50950	.40895	.03038	.20723	.00339	.01026	1.0214	.01056	.01035	.2116	.01836	.02414
#2	.53664	.40513	.03050	.20559	.00346	.01037	1.0071	.01093	.01058	.2151	.01896	.02426
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	**.50238**	**.01049**	**.00466**	**.00485**	**.01910**	**.00529**	**.00986**
Stddev	.00297	.00001	.00009	.00008	.00173	.00012	.00027
%RSD	.59198	.06519	1.9382	1.5923	9.0461	2.2889	2.6932
#1	.50448	.01049	.00473	.00490	.02032	.00520	.01005
#2	.50027	.01048	.00460	.00480	.01788	.00538	.00968
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	**3644.0**	**5198.9**	**73260.**	**15179.**
Stddev	.6	12.1	290.	28.
%RSD	.01539	.23272	.39640	.18595
#1	3644.4	5207.4	73055.	15159.
#2	3643.6	5190.3	73465.	15199.

Sample Name: MB 480-168192/1-A Acquired: 3/13/2014 20:31:41 Type: Unk
Method: ICAP1 New RLs at low cal point Mode: CONC Corr. Factor: 1.000000
User: AMH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	B_2089	Ba4554-2	Be3130	Ca3179	Cd2288	Co2286
Line	328.068 {103}	308.215 {109}	189.042 {478}	208.959 {461}	455.403 { 74}2	313.042 {108}	317.933 {106}	228.802 {447}	228.616 {447}
IS Ref	(Y_3600)	(Y_3774)	(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**	**.01681**	**-.00072**	**.00603**	**.00016**	**-.00002**	**.03264**	**-.00004**	**.00008**
Stddev	.00047	.01813	.00240	.00024	.00000	.00005	.00081	.00001	.00000
%RSD	277.25	107.87	334.60	4.0419	2.5033	242.89	2.4665	22.970	1.3536
#1	-.00016	.00399	-.00242	.00620	.00016	-.00005	.03207	-.00004	.00008
#2	.00050	.02963	.00098	.00586	.00016	.00001	.03321	-.00005	.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	**-.00009**	**.00016**	**-.00124**	**-.00567**	**.00157**	**.00121**	**.00305**	**.00023**	**-.00012**
Stddev	.00025	.00018	.00097	.00568	.00014	.00020	.00079	.00001	.00025
%RSD	293.13	110.49	78.362	100.13	8.8224	16.608	26.042	6.2184	218.09
#1	-.00027	.00029	-.00192	-.00166	.00167	.00135	.00361	.00024	.00006
#2	.00009	.00004	-.00055	-.00968	.00147	.00107	.00249	.00022	-.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	**.01025**	**-.00021**	**.00027**	**.0208**	**-.00159**	**.00255**	**.01418**	**.00022**	**.00013**
Stddev	.00028	.00036	.00098	.0011	.00015	.00035	.00351	.00005	.00003
%RSD	2.6923	171.47	357.62	5.315	9.5142	13.676	24.756	24.008	21.186
#1	.01044	.00004	-.00042	.0216	-.00148	.00231	.01170	.00026	.00015
#2	.01005	-.00047	.00097	.0200	-.00169	.00280	.01666	.00018	.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	Ti3349	Tl1908	V_2924	Zn2062
Line	334.904 {101}	190.856 {477}	292.402 {115}	206.200 {163}
IS Ref	(Y_3600)	(In2306)	(Y_3600)	(Y_3600)
Units	ppm	ppm	ppm	ppm
Avg	**.00024**	**.00021**	**.00022**	**.00257**
Stddev	.00036	.00012	.00008	.00004
%RSD	148.21	54.201	35.181	1.3938
#1	.00050	.00013	.00017	.00260
#2	-.00001	.00030	.00028	.00255
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				
Low Limit				

Int. Std.	In2306	Y_2243	Y_3600	Y_3774
Line	230.606 {446}	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**3623.5**	**5106.6**	**73495.**	**15401.**
Stddev	1.4	3.0	78.	189.
%RSD	.03856	.05953	.10591	1.2276
#1	3622.6	5104.4	73440.	15534.
#2	3624.5	5108.7	73550.	15267.

Sample Name: LCS 480-168192/2-A Acquired: 3/13/2014 20:34:32 Type: Unk
Method: ICAP1 New RLs at low cal point Mode: CONC Corr. Factor: 1.000000
User: AMH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	B_2089	Ba4554-2	Be3130	Ca3179	Cd2288	Co2286
Line	328.068 {103}	308.215 {109}	189.042 {478}	208.959 {461}	455.403 { 74}2	313.042 {108}	317.933 {106}	228.802 {447}	228.616 {447}
IS Ref	(Y_3600)	(Y_3774)	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3774)	(Y_3774)	(Y_2243)	(In2306)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.05037**	**10.039**	**.20813**	**.21155**	**.20722**	**.20613**	**9.5548**	**.20877**	**.20014**
Stddev	.00018	.004	.00302	.00038	.00061	.00049	.0073	.00044	.00023
%RSD	.35639	.03925	1.4516	.17786	.29363	.23719	.07687	.21085	.11736
#1	.05050	10.037	.20600	.21128	.20765	.20579	9.5496	.20846	.20031
#2	.05025	10.042	.21027	.21181	.20679	.20648	9.5600	.20909	.19998
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Cr2677	Cu3247	Fe2599	K_7664	K_7664-2	Li6707	Mg2790	Mn2576	Mo2020
Line	267.716 {126}	324.754 {104}	259.940 {130}	766.490 { 44}	766.490 { 44}2	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}
IS Ref	(Y_3600)	(Y_3600)	(Y_3774)	(Y_3774)	(Y_3774)	(Y_3774)	(Y_3600)	(Y_3600)	(Y_2243)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.19475**	**.20441**	**10.015**	**9.7823**	**9.4885**	**.20434**	**10.237**	**.20215**	**.20974**
Stddev	.00105	.00089	.048	.0394	.0813	.00016	.051	.00083	.00019
%RSD	.54155	.43480	.48100	.40272	.85651	.07692	.49459	.40822	.08955
#1	.19550	.20503	9.9810	9.7544	9.4310	.20423	10.272	.20273	.20960
#2	.19401	.20378	10.049	9.8102	9.5460	.20445	10.201	.20157	.20987
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	**9.8292**	**.20468**	**.19784**	F **.0180**	**.20439**	**.20800**	**9.8506**	**.19388**	**.19658**
Stddev	.0053	.00006	.00131	.0007	.00041	.00202	.0348	.00154	.00017
%RSD	.05403	.02741	.66366	3.683	.19862	.97304	.35344	.79238	.08886
#1	9.8254	.20472	.19691	.0184	.20410	.20657	9.8259	.19497	.19670
#2	9.8329	.20464	.19877	.0175	.20468	.20943	9.8752	.19279	.19646
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	**.20091**	**.20179**	**.20166**	**.19636**
Stddev	.00036	.00036	.00120	.00141
%RSD	.17814	.17643	.59449	.71710
#1	.20116	.20204	.20250	.19736
#2	.20066	.20154	.20081	.19537
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				
Low Limit				

Int. Std.	In2306	Y_2243	Y_3600	Y_3774
Line	230.606 {446}	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**3442.4**	**5014.0**	**71417.**	**15308.**
Stddev	.4	14.2	397.	26.
%RSD	.01264	.28236	.55650	.17254
#1	3442.1	5024.0	71136.	15327.
#2	3442.7	5004.0	71698.	15289.

Sample Name: 480-55329-B-1-A Acquired: 3/13/2014 20:37:18 Type: Unk
Method: ICAP1 New RLs at low cal point Mode: CONC Corr. Factor: 1.000000
User: AMH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	B_2089	Ba4554-2	Be3130	Ca3179	Cd2288	Co2286
Line	328.068 {103}	308.215 {109}	189.042 {478}	208.959 {461}	455.403 { 74}2	313.042 {108}	317.933 {106}	228.802 {447}	228.616 {447}
IS Ref	(Y_3600)	(Y_3774)	(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**	**.02437**	**.00130**	**.04199**	**.03073**	**-.00000**	**14.429**	**.00014**	**-.00005**
Stddev	.00054	.00537	.00013	.00021	.00006	.00005	.039	.00010	.00009
%RSD	706.59	22.040	9.9647	.49564	.20390	2318.8	.26704	71.679	194.54
#1	-.00046	.02816	.00121	.04214	.03077	.00003	14.402	.00007	-.00011
#2	.00031	.02057	.00139	.04184	.03069	-.00004	14.456	.00021	.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	**.00086**	**.00054**	**.02723**	**2.3445**	**2.5487**	**.00170**	**3.8908**	**.00192**	**.00004**
Stddev	.00016	.00002	.00154	.0257	.0177	.00001	.0017	.00006	.00001
%RSD	18.657	4.3464	5.6702	1.0980	.69430	.32752	.04268	3.0738	21.568
#1	.00074	.00056	.02832	2.3627	2.5613	.00170	3.8919	.00188	.00004
#2	.00097	.00053	.02613	2.3263	2.5362	.00171	3.8896	.00196	.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	**32.370**	**.00013**	**.00042**	**7.117**	**-.00009**	**.00214**	**7.4139**	**.00014**	**.05130**
Stddev	.074	.00021	.00054	.013	.00026	.00012	.0457	.00031	.00015
%RSD	.22740	165.90	128.29	.1842	296.78	5.5831	.61591	216.54	.28444
#1	32.318	-.00002	.00080	7.108	-.00027	.00223	7.4462	-.00008	.05120
#2	32.422	.00028	.00004	7.127	.00010	.00206	7.3816	.00036	.05140
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	**.00088**	**.00058**	**.00126**	**.00189**
Stddev	.00013	.00134	.00011	.00021
%RSD	14.895	232.34	9.0645	11.118
#1	.00078	-.00037	.00118	.00174
#2	.00097	.00152	.00135	.00204
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				
Low Limit				

Int. Std.	In2306	Y_2243	Y_3600	Y_3774
Line	230.606 {446}	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**3437.7**	**4946.2**	**71720.**	**15175.**
Stddev	.8	6.7	58.	22.
%RSD	.02453	.13596	.08074	.14741
#1	3437.1	4941.5	71679.	15191.
#2	3438.3	4951.0	71761.	15160.

Sample Name: 480-55329-B-1-A SD@5 Acquired: 3/13/2014 20:40:06 Type: Unk
Method: ICAP1 New RLs at low cal point Mode: CONC Corr. Factor: 1.000000
User: AMH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	B_2089	Ba4554-2	Be3130	Ca3179	Cd2288	Co2286
Line	328.068 {103}	308.215 {109}	189.042 {478}	208.959 {461}	455.403 { 74}2	313.042 {108}	317.933 {106}	228.802 {447}	228.616 {447}
IS Ref	(Y_3600)	(Y_3774)	(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**	**.00044**	**-.00126**	**.01024**	**.00643**	**-.00002**	**2.9181**	**.00007**	**-.00004**
Stddev	.00046	.00976	.00158	.00004	.00002	.00005	.0010	.00011	.00011
%RSD	135.61	2203.1	125.12	.38090	.35000	256.29	.03464	170.37	255.36
#1	.00001	.00735	-.00015	.01027	.00645	.00002	2.9188	-.00001	-.00012
#2	.00066	-.00646	-.00238	.01021	.00641	-.00006	2.9174	.00014	.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**	**.00002**	**.00550**	**.48525**	**.41396**	**.00176**	**.78349**	**.00053**	**-.00012**
Stddev	.00024	.00031	.00009	.00140	.00170	.00013	.00229	.00000	.00010
%RSD	1904.3	1995.9	1.5927	.28951	.41033	7.5281	.29215	.02999	80.629
#1	.00016	.00023	.00556	.48426	.41516	.00186	.78188	.00053	-.00019
#2	-.00018	-.00020	.00543	.48624	.41276	.00167	.78511	.00053	-.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	**6.4920**	**-.00024**	**-.00047**	**1.399**	**.00004**	**-.00021**	**1.4952**	**.00029**	**.01039**
Stddev	.0257	.00019	.00067	.001	.00159	.00266	.0017	.00028	.00006
%RSD	.39663	76.585	143.17	.0952	3861.6	1240.3	.11091	96.972	.55508
#1	6.5102	-.00011	-.00095	1.398	-.00108	.00167	1.4940	.00009	.01043
#2	6.4738	-.00037	.00001	1.400	.00117	-.00209	1.4964	.00049	.01035
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	**.00054**	**.00039**	**.00043**	**.00022**
Stddev	.00000	.00071	.00001	.00028
%RSD	.60814	183.08	1.2363	126.66
#1	.00054	.00089	.00043	.00002
#2	.00054	-.00011	.00042	.00043
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				
Low Limit				

Int. Std.	In2306	Y_2243	Y_3600	Y_3774
Line	230.606 {446}	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**3576.4**	**5041.3**	**72709.**	**15221.**
Stddev	2.8	5.7	198.	78.
%RSD	.07704	.11373	.27209	.51077
#1	3578.3	5037.2	72569.	15166.
#2	3574.4	5045.3	72849.	15276.

Sample Name: 480-55329-B-1-A PDS Acquired: 3/13/2014 20:42:55 Type: Unk
Method: ICAP1 New RLs at low cal point Mode: CONC Corr. Factor: 1.000000
User: AMH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	B_2089	Ba4554-2	Be3130	Ca3179	Cd2288	Co2286
Line	328.068 {103}	308.215 {109}	189.042 {478}	208.959 {461}	455.403 { 74}2	313.042 {108}	317.933 {106}	228.802 {447}	228.616 {447}
IS Ref	(Y_3600)	(Y_3774)	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3774)	(Y_3774)	(Y_2243)	(In2306)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.05068**	**10.328**	**.20977**	**.25540**	**.23785**	**.20581**	**23.463**	**.20634**	**.20111**
Stddev	.00007	.023	.00145	.00026	.00055	.00027	.055	.00048	.00018
%RSD	.14463	.21813	.69150	.10018	.22978	.13067	.23412	.23289	.08873
#1	.05073	10.344	.20874	.25558	.23824	.20562	23.424	.20668	.20098
#2	.05062	10.312	.21079	.25522	.23746	.20600	23.501	.20600	.20123
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Cr2677	Cu3247	Fe2599	K_7664	K_7664-2	Li6707	Mg2790	Mn2576	Mo2020
Line	267.716 {126}	324.754 {104}	259.940 {130}	766.490 { 44}	766.490 { 44}2	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}
IS Ref	(Y_3600)	(Y_3600)	(Y_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**	**.20195**	**9.9407**	**12.430**	**13.545**	**.21050**	**13.846**	**.20097**	**.20596**
Stddev	.00084	.00114	.0086	.020	.215	.00084	.000	.00045	.00007
%RSD	.43826	.56418	.08638	.16397	1.5857	.39901	.00122	.22491	.03425
#1	.19213	.20276	9.9468	12.445	13.393	.21110	13.846	.20129	.20591
#2	.19094	.20115	9.9346	12.416	13.697	.20991	13.846	.20065	.20601
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Na5895	Ni2316	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899	Sr4077
Line	589.592 { 57}	231.604 {446}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}2	189.989 {477}	407.771 { 83}
IS Ref	(Y_3774)	(In2306)	(In2306)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3774)	(In2306)	(Y_3774)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**41.959**	**.20700**	**.19845**	**6.931**	**.20116**	**.20857**	**17.089**	**.19588**	**.25175**
Stddev	.002	.00038	.00261	.005	.00013	.00129	.043	.00058	.00016
%RSD	.00589	.18168	1.3158	.0739	.06285	.61832	.24881	.29754	.06276
#1	41.960	.20727	.19660	6.934	.20125	.20766	17.059	.19547	.25186
#2	41.957	.20674	.20030	6.927	.20107	.20948	17.119	.19630	.25164
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	**.19588**	**.20326**	**.19773**	**.18956**
Stddev	.00099	.00067	.00005	.00060
%RSD	.50394	.33123	.02335	.31504
#1	.19518	.20279	.19776	.18914
#2	.19657	.20374	.19770	.18999
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				
Low Limit				

Int. Std.	In2306	Y_2243	Y_3600	Y_3774
Line	230.606 {446}	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**3349.5**	**4992.6**	**71477.**	**15535.**
Stddev	4.0	.3	43.	71.
%RSD	.11879	.00546	.06076	.45388
#1	3352.3	4992.4	71447.	15585.
#2	3346.7	4992.8	71508.	15485.

Sample Name: 480-55329-B-1-B MS Acquired: 3/13/2014 20:45:41 Type: Unk
Method: ICAP1 New RLs at low cal point Mode: CONC Corr. Factor: 1.000000
User: AMH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	B_2089	Ba4554-2	Be3130	Ca3179	Cd2288	Co2286
Line	328.068 {103}	308.215 {109}	189.042 {478}	208.959 {461}	455.403 { 74}2	313.042 {108}	317.933 {106}	228.802 {447}	228.616 {447}
IS Ref	(Y_3600)	(Y_3774)	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3774)	(Y_3774)	(Y_2243)	(In2306)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.05285**	**10.561**	**.22025**	**.25648**	**.24348**	**.21542**	**25.005**	**.21364**	**.21092**
Stddev	.00090	.036	.00291	.00032	.00035	.00079	.064	.00008	.00005
%RSD	1.7092	.34313	1.3193	.12346	.14342	.36625	.25591	.03791	.02531
#1	.05349	10.535	.21819	.25670	.24372	.21598	25.051	.21370	.21095
#2	.05221	10.586	.22230	.25625	.24323	.21487	24.960	.21358	.21088
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Cr2677	Cu3247	Fe2599	K_7664	K_7664-2	Li6707	Mg2790	Mn2576	Mo2020
Line	267.716 {126}	324.754 {104}	259.940 {130}	766.490 { 44}	766.490 { 44}2	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}
IS Ref	(Y_3600)	(Y_3600)	(Y_3774)	(Y_3774)	(Y_3774)	(Y_3774)	(Y_3600)	(Y_3600)	(Y_2243)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.20723**	**.21512**	**10.426**	**12.858**	**13.912**	**.21366**	**14.582**	**.21116**	**.21410**
Stddev	.00193	.00013	.040	.021	.096	.00177	.040	.00059	.00102
%RSD	.93039	.05886	.38677	.16017	.68915	.82734	.27609	.27704	.47534
#1	.20859	.21521	10.454	12.872	13.980	.21241	14.611	.21157	.21338
#2	.20587	.21503	10.397	12.843	13.844	.21491	14.554	.21075	.21482
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	**44.234**	**.21493**	**.20933**	**7.231**	**.21042**	**.21671**	**17.945**	**.20578**	**.26088**
Stddev	.134	.00086	.00169	.015	.00228	.00209	.004	.00140	.00063
%RSD	.30199	.40175	.80841	.2005	1.0840	.96444	.02385	.68093	.24166
#1	44.140	.21431	.20813	7.221	.21203	.21523	17.948	.20478	.26044
#2	44.329	.21554	.21053	7.242	.20880	.21819	17.942	.20677	.26133
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	**.20724**	**.21070**	**.21332**	**.20913**
Stddev	.00107	.00158	.00155	.00143
%RSD	.51522	.74805	.72462	.68457
#1	.20800	.20959	.21441	.21014
#2	.20649	.21182	.21223	.20812
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				
Low Limit				

Int. Std.	In2306	Y_2243	Y_3600	Y_3774
Line	230.606 {446}	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**3338.5**	**5015.2**	**70014.**	**15281.**
Stddev	.2	2.3	389.	84.
%RSD	.00565	.04577	.55553	.54781
#1	3338.7	5013.5	69739.	15222.
#2	3338.4	5016.8	70289.	15341.

Sample Name: 480-55329-B-1-C MSD Acquired: 3/13/2014 20:48:26 Type: Unk
Method: ICAP1 New RLs at low cal point Mode: CONC Corr. Factor: 1.000000
User: AMH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	B_2089	Ba4554-2	Be3130	Ca3179	Cd2288	Co2286
Line	328.068 {103}	308.215 {109}	189.042 {478}	208.959 {461}	455.403 { 74}2	313.042 {108}	317.933 {106}	228.802 {447}	228.616 {447}
IS Ref	(Y_3600)	(Y_3774)	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3774)	(Y_3774)	(Y_2243)	(In2306)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.05091**	**10.298**	**.21115**	**.24707**	**.23684**	**.20701**	**24.658**	**.20560**	**.20315**
Stddev	.00032	.045	.00193	.00020	.00001	.00007	.050	.00006	.00005
%RSD	.62251	.43692	.91482	.08232	.00528	.03515	.20322	.02769	.02440
#1	.05068	10.330	.20979	.24692	.23685	.20696	24.694	.20564	.20312
#2	.05113	10.266	.21252	.24721	.23683	.20706	24.623	.20556	.20319
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Cr2677	Cu3247	Fe2599	K_7664	K_7664-2	Li6707	Mg2790	Mn2576	Mo2020
Line	267.716 {126}	324.754 {104}	259.940 {130}	766.490 { 44}	766.490 { 44}2	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}
IS Ref	(Y_3600)	(Y_3600)	(Y_3774)	(Y_3774)	(Y_3774)	(Y_3774)	(Y_3600)	(Y_3600)	(Y_2243)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.20218**	**.20904**	**10.049**	**12.609**	**13.643**	**.20792**	**14.159**	**.20380**	**.20667**
Stddev	.00021	.00053	.001	.002	.234	.00083	.014	.00016	.00004
%RSD	.10325	.25520	.01357	.01735	1.7181	.40078	.09658	.07623	.02080
#1	.20203	.20867	10.048	12.611	13.809	.20851	14.169	.20391	.20670
#2	.20232	.20942	10.050	12.608	13.478	.20733	14.149	.20369	.20664
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Na5895	Ni2316	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899	Sr4077
Line	589.592 { 57}	231.604 {446}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}2	189.989 {477}	407.771 { 83}
IS Ref	(Y_3774)	(In2306)	(In2306)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3774)	(In2306)	(Y_3774)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**43.604**	**.20677**	**.20168**	**7.055**	**.20250**	**.21079**	**17.711**	**.20011**	**.25513**
Stddev	.118	.00018	.00061	.029	.00091	.00241	.045	.00137	.00060
%RSD	.27011	.08925	.30328	.4076	.45153	1.1449	.25363	.68624	.23712
#1	43.688	.20690	.20211	7.034	.20186	.20908	17.743	.19914	.25556
#2	43.521	.20664	.20125	7.075	.20315	.21249	17.679	.20108	.25471
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	**.20142**	**.20364**	**.20774**	**.20131**
Stddev	.00042	.00133	.00071	.00063
%RSD	.20846	.65102	.34139	.31300
#1	.20172	.20458	.20824	.20176
#2	.20112	.20271	.20723	.20087
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				
Low Limit				

Int. Std.	In2306	Y_2243	Y_3600	Y_3774
Line	230.606 {446}	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**3358.0**	**5051.9**	**69904.**	**15139.**
Stddev	1.9	1.9	168.	30.
%RSD	.05782	.03741	.24054	.19768
#1	3359.3	5050.5	69786.	15118.
#2	3356.6	5053.2	70023.	15160.

Sample Name: 480-55329-B-2-A Acquired: 3/13/2014 20:51:11 Type: Unk
Method: ICAP1 New RLs at low cal point Mode: CONC Corr. Factor: 1.000000
User: AMH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	B_2089	Ba4554-2	Be3130	Ca3179	Cd2288	Co2286
Line	328.068 {103}	308.215 {109}	189.042 {478}	208.959 {461}	455.403 { 74}2	313.042 {108}	317.933 {106}	228.802 {447}	228.616 {447}
IS Ref	(Y_3600)	(Y_3774)	(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**	**.02885**	**.00079**	**.04046**	**.03179**	**.00000**	**14.880**	**.00010**	**-.00006**
Stddev	.00068	.00303	.00047	.00003	.00002	.00000	.002	.00011	.00007
%RSD	709.87	10.501	59.329	.07270	.06603	106.82	.01297	106.26	126.20
#1	-.00058	.02671	.00046	.04044	.03181	.00000	14.879	.00018	-.00011
#2	.00039	.03099	.00112	.04048	.03178	.00001	14.881	.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	**.00060**	**.00224**	**.03864**	**2.4341**	**2.5649**	**.00099**	**3.9287**	**.00255**	**.00011**
Stddev	.00003	.00011	.00164	.0143	.0053	.00012	.0134	.00007	.00009
%RSD	4.7203	5.0199	4.2479	.58838	.20604	12.105	.34093	2.8417	84.209
#1	.00058	.00232	.03980	2.4240	2.5686	.00107	3.9192	.00250	.00005
#2	.00062	.00216	.03748	2.4443	2.5611	.00090	3.9381	.00261	.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	**33.582**	**.00013**	**.00073**	**7.092**	**-.00034**	**.00049**	**7.5972**	**.00011**	**.05367**
Stddev	.101	.00021	.00025	.007	.00054	.00106	.0009	.00014	.00007
%RSD	.30032	158.33	34.953	.0977	159.23	215.46	.01237	123.85	.12164
#1	33.511	.00028	.00055	7.097	.00004	.00124	7.5979	.00001	.05363
#2	33.654	-.00002	.00091	7.088	-.00071	-.00026	7.5965	.00022	.05372
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	**.00117**	**-.00218**	**.00110**	**.00949**
Stddev	.00008	.00358	.00029	.00032
%RSD	7.2243	163.88	26.193	3.3209
#1	.00123	.00035	.00130	.00927
#2	.00111	-.00472	.00090	.00971
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				
Low Limit				

Int. Std.	In2306	Y_2243	Y_3600	Y_3774
Line	230.606 {446}	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**3469.7**	**5093.2**	**69603.**	**15197.**
Stddev	.3	12.3	78.	7.
%RSD	.00794	.24211	.11159	.04639
#1	3469.9	5084.5	69658.	15192.
#2	3469.5	5102.0	69548.	15202.

Sample Name: 480-55329-B-3-A Acquired: 3/13/2014 20:53:58 Type: Unk
Method: ICAP1 New RLs at low cal point Mode: CONC Corr. Factor: 1.000000
User: AMH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	B_2089	Ba4554-2	Be3130	Ca3179	Cd2288	Co2286
Line	328.068 {103}	308.215 {109}	189.042 {478}	208.959 {461}	455.403 { 74}2	313.042 {108}	317.933 {106}	228.802 {447}	228.616 {447}
IS Ref	(Y_3600)	(Y_3774)	(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**	**.13063**	**.00108**	**.03540**	**.12249**	**.00007**	**11.476**	**.00035**	**.00016**
Stddev	.00065	.00624	.00178	.00007	.00046	.00001	.141	.00010	.00015
%RSD	254.99	4.7748	164.76	.20725	.37828	20.291	1.2329	29.565	97.493
#1	.00020	.13504	-.00018	.03535	.12282	.00008	11.576	.00042	.00005
#2	-.00071	.12622	.00234	.03546	.12217	.00006	11.376	.00027	.00026
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Cr2677	Cu3247	Fe2599	K_7664	K_7664-2	Li6707	Mg2790	Mn2576	Mo2020
Line	267.716 {126}	324.754 {104}	259.940 {130}	766.490 { 44}	766.490 { 44}2	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}
IS Ref	(Y_3600)	(Y_3600)	(Y_3774)	(Y_3774)	(Y_3774)	(Y_3774)	(Y_3600)	(Y_3600)	(Y_2243)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00024**	**.00275**	**.10452**	**2.2541**	**2.8507**	**.00162**	**1.2117**	**.01762**	**-.00002**
Stddev	.00021	.00042	.00384	.0079	.0114	.00045	.0165	.00015	.00015
%RSD	85.983	15.249	3.6707	.35116	.40025	27.791	1.3632	.83335	651.59
#1	.00039	.00305	.10723	2.2485	2.8588	.00194	1.2000	.01751	-.00013
#2	.00010	.00246	.10181	2.2597	2.8427	.00130	1.2233	.01772	.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	**106.51**	**.00097**	**.00159**	**6.935**	**-.00120**	**.00233**	**4.0699**	**-.00012**	**.06088**
Stddev	.26	.00016	.00034	.021	.00033	.00111	.0109	.00016	.00239
%RSD	.24593	16.119	21.124	.3021	27.269	47.521	.26752	137.40	3.9253
#1	106.33	.00086	.00183	6.920	-.00097	.00311	4.0776	-.00000	.06257
#2	106.70	.00108	.00135	6.950	-.00143	.00155	4.0622	-.00023	.05919
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	**.00357**	**.00019**	**.00057**	**.01339**
Stddev	.00050	.00077	.00010	.00034
%RSD	13.952	396.23	17.071	2.5701
#1	.00322	-.00035	.00063	.01364
#2	.00393	.00074	.00050	.01315
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				
Low Limit				

Int. Std.	In2306	Y_2243	Y_3600	Y_3774
Line	230.606 {446}	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**3333.2**	**5047.1**	**68048.**	**15103.**
Stddev	2.2	5.9	150.	25.
%RSD	.06563	.11600	.22073	.16613
#1	3334.8	5051.3	67942.	15121.
#2	3331.7	5043.0	68155.	15085.

Sample Name: CCV Acquired: 3/13/2014 20:56:47 Type: QC
Method: ICAP1 New RLs at low cal point Mode: CONC Corr. Factor: 1.000000
User: AMH 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	**.51161**	**25.765**	**.51676**	**.50356**	**.51873**	**.50808**	**25.208**	**.51345**	**.51204**	**.51631**	**.52202**	**24.965**
Stddev	.00348	.045	.00226	.00168	.00131	.00083	.051	.00014	.00055	.00291	.00346	.003
%RSD	.68096	.17568	.43668	.33314	.25204	.16401	.20214	.02784	.10833	.56281	.66371	.01251
#1	.50915	25.733	.51516	.50238	.51781	.50749	25.172	.51335	.51165	.51425	.51957	24.963
#2	.51408	25.797	.51835	.50475	.51966	.50867	25.244	.51355	.51243	.51836	.52447	24.967
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	**25.770**	**25.845**	**.51546**	**25.754**	**.51703**	**.51824**	**25.759**	**.50894**	**.51310**	**25.84**	**.52519**	**.51473**
Stddev	.057	.130	.00074	.003	.00094	.00006	.069	.00018	.00052	.02	.00193	.00016
%RSD	.22145	.50138	.14447	.00976	.18263	.01139	.26666	.03621	.10176	.0660	.36742	.03167
#1	25.730	25.754	.51493	25.752	.51636	.51819	25.711	.50881	.51347	25.83	.52655	.51484
#2	25.811	25.937	.51599	25.756	.51770	.51828	25.808	.50907	.51273	25.86	.52383	.51461
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	**25.292**	**.52886**	**.51227**	**.53028**	**.50843**	**.52263**	**.52215**
Stddev	.132	.00144	.00204	.00009	.00039	.00415	.00482
%RSD	.52036	.27269	.39883	.01743	.07720	.79444	.92246
#1	25.199	.52784	.51082	.53034	.50815	.51970	.51874
#2	25.385	.52988	.51371	.53021	.50871	.52557	.52555
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	**3311.0**	**5087.8**	**68071.**	**14802.**
Stddev	2.6	2.6	211.	11.
%RSD	.07861	.05150	.31018	.07463
#1	3309.1	5085.9	68220.	14794.
#2	3312.8	5089.6	67922.	14810.

Sample Name: CCB Acquired: 3/13/2014 20:59:33 Type: QC
Method: ICAP1 New RLs at low cal point Mode: CONC Corr. Factor: 1.000000
User: AMH 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	**.00010**	**-.00349**	**-.00024**	**.00190**	**.00007**	**.00003**	**.01781**	**.00003**	**.00004**	**.00006**	**.00120**	**-.00064**
Stddev	.00002	.01177	.00110	.00003	.00003	.00002	.00305	.00003	.00010	.00031	.00013	.00007
%RSD	18.970	337.49	455.99	1.8010	40.238	74.318	17.143	102.56	269.80	567.38	10.587	10.586
#1	.00008	-.01181	-.00102	.00192	.00005	.00004	.01565	.00005	.00011	.00028	.00111	-.00060
#2	.00011	.00483	.00054	.00187	.00009	.00001	.01996	.00001	-.00003	-.00017	.00129	-.00069
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	**.04821**	**.00497**	**.00080**	**.00188**	**.00002**	**.00004**	**.01586**	**-.00031**	**.00031**	F **.0093**	**-.00023**	**.00337**
Stddev	.00346	.00012	.00001	.00129	.00005	.00008	.00332	.00015	.00030	.0013	.00128	.00000
%RSD	7.1817	2.3958	1.3598	68.353	241.78	176.28	20.917	50.064	98.108	14.53	558.52	.11048
#1	.04576	.00505	.00081	.00280	.00005	.00010	.01820	-.00020	.00009	.0083	-.00114	.00337
#2	.05066	.00488	.00079	.00097	-.00001	-.00001	.01351	-.00042	.00052	.0102	.00068	.00337
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
High Limit										.0030		
Low Limit										-.0040		

Elem	Si2881	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.02353**	**.00001**	**-.00008**	**.00017**	**.00141**	**-.00006**	**.00115**
Stddev	.00000	.00012	.00005	.00012	.00074	.00004	.00026
%RSD	.00165	1142.8	59.182	73.043	52.260	65.421	22.595
#1	.02353	.00010	-.00011	.00026	.00089	-.00003	.00097
#2	.02353	-.00007	-.00005	.00008	.00193	-.00009	.00133
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	**3611.5**	**5233.8**	**70441.**	**14878.**
Stddev	2.1	2.5	61.	144.
%RSD	.05830	.04719	.08684	.97060
#1	3613.0	5235.5	70398.	14980.
#2	3610.0	5232.0	70484.	14775.

Sample Name: CCVL Acquired: 3/13/2014 21:02:25 Type: QC
Method: ICAP1 New RLs at low cal point Mode: CONC Corr. Factor: 1.000000
User: AMH 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	**.00602**	**.20768**	**.01590**	**.02170**	**.00237**	**.00211**	**.51403**	**.00201**	**.00415**	**.00423**	**.01174**	**.04590**
Stddev	.00033	.01299	.00116	.00027	.00001	.00006	.00192	.00001	.00001	.00008	.00000	.00188
%RSD	5.5599	6.2564	7.3156	1.2307	.30177	2.6666	.37441	.29312	.23566	1.8060	.02130	4.1061
#1	.00625	.19850	.01672	.02151	.00237	.00215	.51539	.00201	.00414	.00429	.01174	.04724
#2	.00578	.21687	.01507	.02189	.00236	.00207	.51267	.00202	.00415	.00418	.01175	.04457
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	**.53525**	**.41696**	**.03197**	**.21462**	**.00346**	**.01017**	**1.0558**	**.01083**	**.01025**	**.2073**	**.02003**	**.02702**
Stddev	.00575	.00025	.00042	.00166	.00007	.00017	.0050	.00042	.00034	.0000	.00101	.00131
%RSD	1.0750	.06037	1.3246	.77413	2.1461	1.6236	.47213	3.8825	3.3075	.0152	5.0292	4.8573
#1	.53118	.41714	.03227	.21579	.00341	.01006	1.0593	.01054	.01049	.2072	.01932	.02795
#2	.53932	.41679	.03167	.21344	.00351	.01029	1.0522	.01113	.01001	.2073	.02075	.02609
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	**.53487**	**.01085**	**.00497**	**.00511**	**.02070**	**.00543**	**.00999**
Stddev	.01027	.00009	.00008	.00025	.00149	.00001	.00008
%RSD	1.9202	.80602	1.6124	4.9384	7.2205	.20237	.78059
#1	.52761	.01079	.00503	.00494	.01964	.00544	.01004
#2	.54213	.01092	.00491	.00529	.02176	.00543	.00993
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	**3656.9**	**5326.3**	**70989.**	**14999.**
Stddev	8.0	15.3	41.	2.
%RSD	.21815	.28717	.05723	.01287
#1	3662.5	5337.1	71018.	15001.
#2	3651.2	5315.5	70961.	14998.

Sample Name: 480-55329-B-4-A Acquired: 3/13/2014 21:05:16 Type: Unk
Method: ICAP1 New RLs at low cal point Mode: CONC Corr. Factor: 1.000000
User: AMH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	B_2089	Ba4554-2	Be3130	Ca3179	Cd2288	Co2286
Line	328.068 {103}	308.215 {109}	189.042 {478}	208.959 {461}	455.403 { 74}2	313.042 {108}	317.933 {106}	228.802 {447}	228.616 {447}
IS Ref	(Y_3600)	(Y_3774)	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3774)	(Y_3774)	(Y_2243)	(In2306)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00019**	**.02741**	**.00119**	**.05961**	**.05097**	**.00004**	**30.524**	**.00014**	**-.00003**
Stddev	.00013	.00063	.00256	.00035	.00003	.00004	.090	.00005	.00003
%RSD	64.818	2.2887	214.99	.59483	.06552	91.912	.29340	35.191	127.64
#1	.00028	.02785	-.00062	.05936	.05099	.00007	30.460	.00011	-.00000
#2	.00011	.02696	.00300	.05986	.05095	.00002	30.587	.00018	-.00005
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Cr2677	Cu3247	Fe2599	K_7664	K_7664-2	Li6707	Mg2790	Mn2576	Mo2020
Line	267.716 {126}	324.754 {104}	259.940 {130}	766.490 { 44}	766.490 { 44}2	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}
IS Ref	(Y_3600)	(Y_3600)	(Y_3774)	(Y_3774)	(Y_3774)	(Y_3774)	(Y_3600)	(Y_3600)	(Y_2243)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00036**	**.00244**	**.00805**	**1.7332**	**2.0468**	**.00166**	**10.013**	**.00117**	**-.00016**
Stddev	.00031	.00006	.00237	.0154	.0141	.00037	.025	.00002	.00020
%RSD	85.641	2.6018	29.393	.88760	.68620	22.254	.24547	1.8893	123.56
#1	.00014	.00240	.00972	1.7223	2.0369	.00140	10.031	.00116	-.00002
#2	.00058	.00249	.00638	1.7441	2.0568	.00192	9.9960	.00119	-.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	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	**70.229**	**.00004**	**.00087**	**8.905**	**-.00169**	**.00364**	**8.3541**	**.00023**	**.10762**
Stddev	.085	.00018	.00038	.010	.00128	.00109	.0363	.00028	.00007
%RSD	.12114	420.15	43.503	.1096	75.923	29.969	.43439	125.03	.06818
#1	70.168	.00017	.00060	8.898	-.00078	.00441	8.3285	.00043	.10757
#2	70.289	-.00008	.00113	8.912	-.00259	.00287	8.3798	.00003	.10768
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Ti3349	Tl1908	V_2924	Zn2062
Line	334.904 {101}	190.856 {477}	292.402 {115}	206.200 {163}
IS Ref	(Y_3600)	(In2306)	(Y_3600)	(Y_3600)
Units	ppm	ppm	ppm	ppm
Avg	**.00053**	**.00056**	**.00109**	**.00375**
Stddev	.00038	.00122	.00029	.00004
%RSD	71.909	218.40	26.459	1.1222
#1	.00080	.00142	.00130	.00372
#2	.00026	-.00030	.00089	.00378
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				
Low Limit				

Int. Std.	In2306	Y_2243	Y_3600	Y_3774
Line	230.606 {446}	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**3328.9**	**5047.3**	**66411.**	**14779.**
Stddev	5.1	4.2	153.	98.
%RSD	.15430	.08286	.22999	.66146
#1	3332.5	5050.2	66303.	14848.
#2	3325.3	5044.3	66519.	14710.

Sample Name: 480-55329-B-5-A Acquired: 3/13/2014 21:08:02 Type: Unk
Method: ICAP1 New RLs at low cal point Mode: CONC Corr. Factor: 1.000000
User: AMH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	B_2089	Ba4554-2	Be3130	Ca3179	Cd2288	Co2286
Line	328.068 {103}	308.215 {109}	189.042 {478}	208.959 {461}	455.403 { 74}2	313.042 {108}	317.933 {106}	228.802 {447}	228.616 {447}
IS Ref	(Y_3600)	(Y_3774)	(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**	**.01686**	**.00012**	**.06778**	**.04303**	**.00008**	**27.371**	**.00009**	**-.00006**
Stddev	.00075	.00300	.00197	.00023	.00030	.00003	.002	.00002	.00003
%RSD	530.29	17.782	1635.8	.33559	.70148	38.754	.00549	16.365	42.577
#1	.00067	.01474	-.00127	.06794	.04282	.00010	27.372	.00010	-.00004
#2	-.00039	.01898	.00151	.06762	.04325	.00006	27.369	.00008	-.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	**.00127**	**.00326**	**.00739**	**3.4780**	**3.6273**	**.00308**	**6.1888**	**.00101**	**-.00009**
Stddev	.00005	.00020	.00088	.0121	.0482	.00039	.0242	.00006	.00008
%RSD	4.2670	6.0754	11.960	.34840	1.3281	12.544	.39150	5.9239	85.205
#1	.00124	.00312	.00802	3.4694	3.5932	.00281	6.1716	.00105	-.00004
#2	.00131	.00340	.00677	3.4865	3.6614	.00335	6.2059	.00097	-.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	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	**29.151**	**.00016**	**.00037**	**8.963**	**-.00144**	**.00089**	**9.7765**	**.00022**	**.18018**
Stddev	.174	.00024	.00132	.005	.00071	.00105	.0290	.00020	.00045
%RSD	.59740	149.20	360.27	.0536	49.255	117.72	.29662	93.873	.24769
#1	29.028	.00033	-.00057	8.959	-.00094	.00164	9.7560	.00036	.17986
#2	29.274	-.00001	.00130	8.966	-.00194	.00015	9.7970	.00007	.18049
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	**.00041**	**-.00013**	**.00077**	**.00515**
Stddev	.00010	.00166	.00020	.00003
%RSD	24.447	1277.9	25.687	.51049
#1	.00034	-.00130	.00063	.00513
#2	.00048	.00104	.00091	.00517
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				
Low Limit				

Int. Std.	In2306	Y_2243	Y_3600	Y_3774
Line	230.606 {446}	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**3430.9**	**5098.1**	**67545.**	**14950.**
Stddev	.6	1.3	415.	8.
%RSD	.01734	.02595	.61428	.05634
#1	3431.3	5099.0	67838.	14944.
#2	3430.5	5097.2	67252.	14956.

Sample Name: 480-55329-B-6-A Acquired: 3/13/2014 21:10:49 Type: Unk
Method: ICAP1 New RLs at low cal point Mode: CONC Corr. Factor: 1.000000
User: AMH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	B_2089	Ba4554-2	Be3130	Ca3179	Cd2288	Co2286
Line	328.068 {103}	308.215 {109}	189.042 {478}	208.959 {461}	455.403 { 74}2	313.042 {108}	317.933 {106}	228.802 {447}	228.616 {447}
IS Ref	(Y_3600)	(Y_3774)	(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**	**.06883**	**.00094**	**.02998**	**.02637**	**.00005**	**54.341**	**.00013**	**-.00006**
Stddev	.00002	.00721	.00070	.00006	.00006	.00000	.056	.00011	.00000
%RSD	5.4127	10.469	74.191	.19142	.24012	9.0912	.10219	85.339	3.9796
#1	.00038	.06373	.00143	.02994	.02641	.00005	54.302	.00020	-.00006
#2	.00035	.07392	.00045	.03002	.02632	.00004	54.380	.00005	-.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	**.00138**	**.00238**	**.07423**	**.93364**	**.95236**	**.00341**	**4.2293**	**.00233**	**.00001**
Stddev	.00010	.00010	.00052	.02056	.00887	.00045	.0104	.00009	.00022
%RSD	7.5164	4.3432	.69848	2.2017	.93107	13.223	.24666	3.8903	2726.2
#1	.00131	.00231	.07460	.94818	.95863	.00309	4.2219	.00227	-.00015
#2	.00145	.00245	.07386	.91911	.94609	.00373	4.2366	.00240	.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	**12.057**	**-.00002**	**.00120**	**5.669**	**-.00167**	**-.00082**	**9.3164**	**-.00008**	**.11688**
Stddev	.144	.00038	.00035	.005	.00143	.00153	.0362	.00015	.00129
%RSD	1.1945	1897.6	29.268	.0868	85.747	187.10	.38859	184.81	1.1028
#1	11.955	-.00029	.00095	5.665	-.00268	-.00190	9.2908	-.00019	.11596
#2	12.159	.00025	.00145	5.672	-.00066	.00026	9.3420	.00002	.11779
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	**.00500**	**.00067**	**.00190**	**.00341**
Stddev	.00007	.00010	.00018	.00032
%RSD	1.4984	14.696	9.4746	9.4937
#1	.00505	.00060	.00177	.00363
#2	.00495	.00074	.00203	.00318
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				
Low Limit				

Int. Std.	In2306	Y_2243	Y_3600	Y_3774
Line	230.606 {446}	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**3427.6**	**5098.6**	**67715.**	**14984.**
Stddev	4.1	10.7	115.	43.
%RSD	.11928	.20909	.16964	.28696
#1	3430.5	5106.1	67796.	14953.
#2	3424.7	5091.1	67633.	15014.

Sample Name: 55306-2 tot raw Acquired: 3/13/2014 21:13:36 Type: Unk
Method: ICAP1 New RLs at low cal point Mode: CONC Corr. Factor: 1.000000
User: AMH 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	**-.00040**	**.61580**	**.00129**	**.09592**	**.76163**	**-.00001**	**238.19**	**-.00009**	**.00061**
Stddev	.00063	.01517	.00104	.00041	.01228	.00000	2.78	.00007	.00000
%RSD	157.52	2.4629	80.216	.42521	1.6128	29.875	1.1687	71.028	.47471
#1	-.00084	.62652	.00203	.09563	.77031	-.00001	240.16	-.00014	.00061
#2	.00005	.60507	.00056	.09620	.75294	-.00000	236.22	-.00005	.00061
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Cr2677	Cu3247	Fe2599	K_7664	K_7664-2	Li6707	Mg2790	Mn2576	Mo2020
Line	267.716 {126}	324.754 {104}	259.940 {130}	766.490 { 44}	766.490 { 44}2	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}
IS Ref	(Y_3600)	(Y_3600)	(Y_3774)	(Y_3774)	(Y_3774)	(Y_3774)	(Y_3600)	(Y_3600)	(Y_2243)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00351**	**.00460**	**.42981**	**3.1270**	**4.8142**	**.01573**	**37.901**	**.03337**	**.00044**
Stddev	.00091	.00001	.00496	.0091	.0256	.00010	.051	.00017	.00010
%RSD	25.858	.26314	1.1542	.29024	.53142	.64396	.13397	.51661	23.001
#1	.00416	.00461	.43332	3.1334	4.7961	.01580	37.937	.03349	.00051
#2	.00287	.00459	.42631	3.1205	4.8323	.01566	37.865	.03325	.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	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	**100.33**	**.01104**	**.00160**	**8.183**	**-.00361**	**.00005**	**8.0430**	**-.00035**	**.75679**
Stddev	.16	.00026	.00107	.033	.00047	.00022	.0521	.00001	.00002
%RSD	.16036	2.3514	66.832	.3978	12.936	414.93	.64724	1.6179	.00254
#1	100.45	.01123	.00084	8.160	-.00394	-.00010	8.0798	-.00035	.75677
#2	100.22	.01086	.00235	8.206	-.00328	.00021	8.0062	-.00035	.75680
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	**.02135**	**.00341**	**.00150**	**.00238**
Stddev	.00041	.00045	.00034	.00060
%RSD	1.9357	13.250	22.595	25.218
#1	.02164	.00309	.00126	.00280
#2	.02106	.00373	.00174	.00195
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				
Low Limit				

Int. Std.	In2306	Y_2243	Y_3600	Y_3774
Line	230.606 {446}	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**3316.5**	**5271.0**	**69521.**	**15820.**
Stddev	19.1	36.5	279.	47.
%RSD	.57570	.69228	.40102	.29970
#1	3330.0	5296.8	69718.	15854.
#2	3303.0	5245.2	69324.	15787.

Sample Name: 480-55549-D-1-A@5 Acquired: 3/13/2014 21:16:35 Type: Unk
Method: ICAP1 New RLs at low cal point Mode: CONC Corr. Factor: 1.000000
User: AMH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	B_2089	Ba4554-2	Be3130	Ca3179	Cd2288	Co2286
Line	328.068 {103}	308.215 {109}	189.042 {478}	208.959 {461}	455.403 { 74}2	313.042 {108}	317.933 {106}	228.802 {447}	228.616 {447}
IS Ref	(Y_3600)	(Y_3774)	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3774)	(Y_3774)	(Y_2243)	(In2306)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00026**	**.10654**	**.02082**	**2.4201**	**.08736**	**.00002**	**17.454**	**.00028**	**.00756**
Stddev	.00018	.00657	.00140	.0024	.00047	.00001	.024	.00012	.00014
%RSD	69.123	6.1697	6.7030	.09982	.54254	41.756	.13882	44.255	1.8957
#1	-.00013	.11119	.01984	2.4218	.08702	.00001	17.471	.00019	.00746
#2	-.00039	.10190	.02181	2.4183	.08769	.00002	17.437	.00036	.00766
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Cr2677	Cu3247	Fe2599	K_7664	K_7664-2	Li6707	Mg2790	Mn2576	Mo2020
Line	267.716 {126}	324.754 {104}	259.940 {130}	766.490 { 44}	766.490 { 44}2	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}
IS Ref	(Y_3600)	(Y_3600)	(Y_3774)	(Y_3774)	(Y_3774)	(Y_3774)	(Y_3600)	(Y_3600)	(Y_2243)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.08391**	**.00317**	**.34118**	**129.43**	**115.69**	**.05139**	**35.196**	**.04186**	**.00277**
Stddev	.00014	.00004	.00185	.09	.46	.00010	.007	.00011	.00008
%RSD	.16972	1.2174	.54082	.06648	.39467	.19380	.02081	.26365	3.0637
#1	.08380	.00320	.34248	129.49	116.01	.05146	35.202	.04193	.00271
#2	.08401	.00314	.33987	129.37	115.36	.05132	35.191	.04178	.00283
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	**343.02**	**.04419**	**.00006**	F **15.50**	**-.00014**	**.00252**	**3.3868**	**.00361**	**.16582**
Stddev	1.01	.00012	.00017	.02	.00082	.00253	.0362	.00027	.00050
%RSD	.29467	.26304	288.39	.1186	578.04	100.67	1.0679	7.4637	.29875
#1	343.73	.04427	-.00006	15.51	.00044	.00431	3.3613	.00381	.16617
#2	342.30	.04411	.00017	15.49	-.00073	.00073	3.4124	.00342	.16547
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				9.000					
Low Limit				-.2000					

Elem	Ti3349	Tl1908	V_2924	Zn2062
Line	334.904 {101}	190.856 {477}	292.402 {115}	206.200 {163}
IS Ref	(Y_3600)	(In2306)	(Y_3600)	(Y_3600)
Units	ppm	ppm	ppm	ppm
Avg	**.06662**	**.00090**	**.01841**	**.00577**
Stddev	.00037	.00061	.00025	.00056
%RSD	.56244	68.336	1.3336	9.6943
#1	.06635	.00133	.01858	.00616
#2	.06688	.00046	.01824	.00537
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				
Low Limit				

Int. Std.	In2306	Y_2243	Y_3600	Y_3774
Line	230.606 {446}	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**2953.3**	**4728.6**	**61182.**	**14537.**
Stddev	6.3	13.0	181.	8.
%RSD	.21441	.27531	.29653	.05724
#1	2948.8	4719.4	61054.	14531.
#2	2957.8	4737.8	61311.	14543.

Sample Name: RB Acquired: 3/13/2014 21:19:32 Type: Unk
Method: ICAP1 New RLs at low cal point Mode: CONC Corr. Factor: 1.000000
User: AMH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	B_2089	Ba4554-2	Be3130	Ca3179	Cd2288	Co2286
Line	328.068 {103}	308.215 {109}	189.042 {478}	208.959 {461}	455.403 { 74}2	313.042 {108}	317.933 {106}	228.802 {447}	228.616 {447}
IS Ref	(Y_3600)	(Y_3774)	(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**	**.00027**	**-.00029**	**.00453**	**.00057**	**.00000**	**.00958**	**-.00001**	**.00002**
Stddev	.00047	.00437	.00029	.00058	.00005	.00007	.00342	.00002	.00009
%RSD	354.53	1645.3	98.233	12.816	9.3287	1640.0	35.699	393.91	436.59
#1	-.00020	.00335	-.00009	.00495	.00054	-.00004	.00716	.00001	-.00005
#2	.00047	-.00282	-.00050	.00412	.00061	.00005	.01199	-.00002	.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	**.00025**	**.00123**	**-.00607**	**.07168**	**.00789**	**.00110**	**.00516**	**.00000**	**-.00013**
Stddev	.00040	.00005	.00053	.00455	.00032	.00043	.00083	.00005	.00005
%RSD	157.63	4.4433	8.7586	6.3444	4.0648	39.357	16.058	1471.0	37.642
#1	-.00003	.00119	-.00645	.06846	.00811	.00141	.00575	-.00003	-.00016
#2	.00053	.00127	-.00569	.07489	.00766	.00079	.00458	.00004	-.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	**.05498**	**-.00016**	**.00130**	**.0101**	**-.00031**	**-.00016**	**.02582**	**-.00021**	**-.00008**
Stddev	.00302	.00031	.00013	.0001	.00085	.00183	.00886	.00055	.00001
%RSD	5.4902	188.38	9.9107	.9756	275.22	1139.0	34.321	257.78	9.6324
#1	.05285	-.00038	.00121	.0101	.00029	-.00146	.01956	-.00060	-.00009
#2	.05712	.00005	.00140	.0102	-.00091	.00114	.03209	.00017	-.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	Ti3349	Tl1908	V_2924	Zn2062
Line	334.904 {101}	190.856 {477}	292.402 {115}	206.200 {163}
IS Ref	(Y_3600)	(In2306)	(Y_3600)	(Y_3600)
Units	ppm	ppm	ppm	ppm
Avg	**-.00017**	**.00061**	**.00018**	**.00022**
Stddev	.00068	.00027	.00010	.00034
%RSD	403.31	43.818	52.664	155.21
#1	-.00065	.00042	.00012	.00046
#2	.00031	.00079	.00025	-.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	**3592.3**	**5221.3**	**69747.**	**14758.**
Stddev	4.8	9.5	436.	98.
%RSD	.13268	.18153	.62566	.66379
#1	3588.9	5214.6	70055.	14827.
#2	3595.7	5228.0	69438.	14688.

Sample Name: RB Acquired: 3/13/2014 21:22:23 Type: Unk
Method: ICAP1 New RLs at low cal point Mode: CONC Corr. Factor: 1.000000
User: AMH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	B_2089	Ba4554-2	Be3130	Ca3179	Cd2288	Co2286
Line	328.068 {103}	308.215 {109}	189.042 {478}	208.959 {461}	455.403 { 74}2	313.042 {108}	317.933 {106}	228.802 {447}	228.616 {447}
IS Ref	(Y_3600)	(Y_3774)	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3774)	(Y_3774)	(Y_2243)	(In2306)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00021**	**-.00031**	**.00214**	**.00312**	**.00019**	**.00002**	**.00850**	**-.00004**	**.00002**
Stddev	.00044	.00307	.00123	.00017	.00003	.00000	.00034	.00005	.00012
%RSD	215.04	999.83	57.782	5.4554	17.918	7.7487	4.0211	117.88	806.29
#1	.00052	-.00248	.00301	.00324	.00017	.00002	.00874	-.00001	-.00007
#2	-.00011	.00186	.00126	.00300	.00021	.00002	.00825	-.00007	.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	**-.00019**	**.00144**	**-.00217**	**.03946**	**.00166**	**.00136**	**.00035**	**-.00000**	**-.00017**
Stddev	.00023	.00016	.00194	.03869	.00047	.00047	.00348	.00004	.00000
%RSD	124.06	11.081	89.676	98.041	28.209	34.739	1004.5	7042.2	1.0661
#1	-.00035	.00132	-.00079	.06682	.00200	.00170	.00281	.00002	-.00017
#2	-.00002	.00155	-.00354	.01211	.00133	.00103	-.00211	-.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	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	**.02118**	**-.00027**	**-.00024**	**.0040**	**-.00146**	**-.00010**	**.00837**	**.00000**	**-.00012**
Stddev	.00216	.00021	.00032	.0019	.00222	.00008	.00256	.00009	.00010
%RSD	10.181	75.603	132.92	46.83	151.92	75.704	30.585	2770.0	83.628
#1	.02271	-.00013	-.00001	.0027	-.00303	-.00016	.01018	.00007	-.00019
#2	.01966	-.00042	-.00047	.0053	.00011	-.00005	.00656	-.00006	-.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	Ti3349	Tl1908	V_2924	Zn2062
Line	334.904 {101}	190.856 {477}	292.402 {115}	206.200 {163}
IS Ref	(Y_3600)	(In2306)	(Y_3600)	(Y_3600)
Units	ppm	ppm	ppm	ppm
Avg	**.00019**	**.00141**	**.00038**	**-.00002**
Stddev	.00012	.00028	.00028	.00007
%RSD	64.938	19.782	73.618	453.92
#1	.00028	.00121	.00058	.00003
#2	.00010	.00160	.00018	-.00007
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				
Low Limit				

Int. Std.	In2306	Y_2243	Y_3600	Y_3774
Line	230.606 {446}	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**3592.8**	**5215.9**	**69476.**	**14833.**
Stddev	1.9	6.5	207.	62.
%RSD	.05219	.12544	.29815	.41541
#1	3594.1	5220.5	69623.	14789.
#2	3591.5	5211.3	69330.	14877.

Sample Name: 55566-4 tot raw Acquired: 3/13/2014 21:25:13 Type: Unk
Method: ICAP1 New RLs at low cal point Mode: CONC Corr. Factor: 1.000000
User: AMH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	B_2089	Ba4554-2	Be3130	Ca3179	Cd2288	Co2286
Line	328.068 {103}	308.215 {109}	189.042 {478}	208.959 {461}	455.403 { 74}2	313.042 {108}	317.933 {106}	228.802 {447}	228.616 {447}
IS Ref	(Y_3600)	(Y_3774)	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3774)	(Y_3774)	(Y_2243)	(In2306)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00026**	**-.00583**	**.02735**	**.26196**	**.40527**	**.00011**	**155.16**	**-.00008**	**.00508**
Stddev	.00026	.00246	.00204	.00157	.00544	.00003	.59	.00000	.00007
%RSD	98.711	42.247	7.4525	.59862	1.3428	27.969	.37957	2.9759	1.4571
#1	-.00045	-.00757	.02879	.26085	.40912	.00009	155.58	-.00008	.00503
#2	-.00008	-.00409	.02591	.26307	.40143	.00013	154.74	-.00008	.00513
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Cr2677	Cu3247	Fe2599	K_7664	K_7664-2	Li6707	Mg2790	Mn2576	Mo2020
Line	267.716 {126}	324.754 {104}	259.940 {130}	766.490 { 44}	766.490 { 44}2	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}
IS Ref	(Y_3600)	(Y_3600)	(Y_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**	**.00276**	**.85498**	**1.6253**	**2.1754**	**.01234**	**29.902**	**5.2965**	**.04672**
Stddev	.00009	.00015	.00211	.0060	.0180	.00004	.015	.0055	.00005
%RSD	8.7696	5.2833	.24702	.37060	.82818	.32882	.04888	.10336	.10866
#1	.00097	.00286	.85647	1.6296	2.1882	.01237	29.892	5.2926	.04676
#2	.00110	.00266	.85348	1.6210	2.1627	.01231	29.913	5.3004	.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	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	**39.147**	**.00495**	**.00101**	**8.222**	**-.00441**	**.00007**	**9.7649**	**.00022**	**.84710**
Stddev	.126	.00040	.00045	.047	.00084	.00065	.0205	.00062	.00417
%RSD	.32229	8.1484	44.350	.5761	19.013	881.87	.21041	277.94	.49231
#1	39.058	.00524	.00070	8.189	-.00382	.00053	9.7504	-.00021	.84415
#2	39.236	.00467	.00133	8.256	-.00501	-.00039	9.7795	.00066	.85005
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	**.00079**	**.00038**	**.00051**	**.00069**
Stddev	.00005	.00130	.00023	.00051
%RSD	5.7919	338.40	44.000	74.556
#1	.00082	.00130	.00035	.00032
#2	.00076	-.00053	.00067	.00105
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				
Low Limit				

Int. Std.	In2306	Y_2243	Y_3600	Y_3774
Line	230.606 {446}	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**3479.8**	**5414.2**	**71662.**	**16139.**
Stddev	35.1	65.8	408.	13.
%RSD	1.0094	1.2157	.56892	.08326
#1	3504.7	5460.7	71950.	16148.
#2	3455.0	5367.6	71374.	16129.

Sample Name: LB 480-169601/1-B Acquired: 3/13/2014 21:28:04 Type: Unk
Method: ICAP1 New RLs at low cal point Mode: CONC Corr. Factor: 1.000000
User: AMH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	B_2089	Ba4554-2	Be3130	Ca3179	Cd2288	Co2286
Line	328.068 {103}	308.215 {109}	189.042 {478}	208.959 {461}	455.403 { 74}2	313.042 {108}	317.933 {106}	228.802 {447}	228.616 {447}
IS Ref	(Y_3600)	(Y_3774)	(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**	**.02187**	**.00630**	F **.02588**	F **.03372**	**.00005**	F **.73600**	**.00036**	**.00040**
Stddev	.00033	.01113	.00107	.00009	.00057	.00004	.00253	.00002	.00004
%RSD	587.15	50.913	17.001	.35289	1.6840	77.481	.34387	6.2340	9.7947
#1	.00029	.02974	.00555	.02595	.03332	.00008	.73421	.00037	.00037
#2	-.00018	.01400	.00706	.02582	.03413	.00002	.73779	.00034	.00043
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Fail	Chk Pass	Chk Fail	Chk Pass	Chk Pass
High Limit				.02000	.00200		.50000		
Low Limit				-.00800	-.00300		-.05000		

Elem	Cr2677	Cu3247	Fe2599	K_7664	K_7664-2	Li6707	Mg2790	Mn2576	Mo2020
Line	267.716 {126}	324.754 {104}	259.940 {130}	766.490 { 44}	766.490 { 44}2	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}
IS Ref	(Y_3600)	(Y_3600)	(Y_3774)	(Y_3774)	(Y_3774)	(Y_3774)	(Y_3600)	(Y_3600)	(Y_2243)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00265**	**.00439**	**.00861**	F **.89902**	F **1.8055**	**.00172**	**.09364**	**.00112**	**.00182**
Stddev	.00003	.00016	.00071	.02391	.0095	.00012	.00021	.00001	.00004
%RSD	.94296	3.5392	8.2739	2.6591	.52621	7.1253	.22709	.86713	2.3697
#1	.00264	.00450	.00811	.88212	1.8122	.00181	.09349	.00111	.00179
#2	.00267	.00428	.00912	.91592	1.7988	.00164	.09379	.00113	.00186
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				.50000	.50000				
Low Limit				-.50000	-.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	F **2048.7**	**.00154**	**.00449**	**.0968**	**-.00049**	**.00546**	**.04533**	**.00175**	**.00321**
Stddev	4.6	.00014	.00139	.0051	.00116	.00178	.00601	.00007	.00005
%RSD	.22504	9.3920	30.971	5.258	239.19	32.579	13.253	4.2516	1.5743
#1	2052.0	.00164	.00547	.1004	-.00131	.00672	.04958	.00180	.00325
#2	2045.5	.00143	.00351	.0932	.00034	.00420	.04108	.00170	.00318
Check ?	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	1.0000								
Low Limit	-.50000								

Elem	Ti3349	Tl1908	V_2924	Zn2062
Line	334.904 {101}	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**	**-.00579**	**.00036**	**.00993**
Stddev	.00021	.00252	.00012	.00010
%RSD	119.37	43.512	34.477	.97503
#1	.00033	-.00757	.00027	.01000
#2	.00003	-.00401	.00044	.00986
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				
Low Limit				

Int. Std.	In2306	Y_2243	Y_3600	Y_3774
Line	230.606 {446}	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**2596.3**	**4413.0**	**55319.**	**14066.**
Stddev	8.9	7.1	36.	92.
%RSD	.34338	.16115	.06509	.65534
#1	2590.0	4408.0	55345.	14001.
#2	2602.6	4418.1	55294.	14131.

Sample Name: CCV Acquired: 3/13/2014 21:31:02 Type: QC
Method: ICAP1 New RLs at low cal point Mode: CONC Corr. Factor: 1.000000
User: AMH 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	**.51842**	**26.016**	**.51805**	**.50236**	**.52271**	**.49910**	**25.289**	**.51333**	**.51293**	**.52088**	**.53203**	**24.391**
Stddev	.00319	.093	.00040	.00016	.00116	.00020	.047	.00071	.00021	.00431	.00374	.017
%RSD	.61473	.35863	.07634	.03259	.22190	.04060	.18592	.13796	.04109	.82829	.70353	.06981
#1	.52067	26.082	.51833	.50248	.52353	.49925	25.323	.51283	.51278	.52394	.53468	24.379
#2	.51617	25.950	.51777	.50224	.52189	.49896	25.256	.51383	.51308	.51783	.52939	24.403
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	**26.129**	**25.433**	**.52228**	**25.952**	**.51418**	**.51905**	**26.792**	**.50459**	**.51213**	**26.41**	**.53482**	**.51031**
Stddev	.079	.098	.00399	.083	.00086	.00078	.160	.00104	.00331	.05	.00281	.00131
%RSD	.30380	.38550	.76326	.32131	.16691	.14932	.59866	.20700	.64670	.1949	.52503	.25657
#1	26.185	25.363	.52510	26.011	.51479	.51851	26.906	.50385	.50979	26.38	.53283	.50939
#2	26.073	25.502	.51946	25.893	.51358	.51960	26.679	.50533	.51447	26.45	.53680	.51124
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	**25.499**	**.54016**	**.52497**	**.54623**	**.50946**	**.54001**	**.53090**
Stddev	.037	.00162	.00172	.00190	.00179	.00510	.00410
%RSD	.14488	.29911	.32769	.34829	.35174	.94509	.77261
#1	25.525	.53902	.52619	.54757	.51073	.54362	.53380
#2	25.473	.54130	.52376	.54488	.50819	.53640	.52800
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	**3283.2**	**5068.2**	**66761.**	**14845.**
Stddev	1.0	1.3	397.	4.
%RSD	.03136	.02637	.59514	.02645
#1	3282.4	5069.1	66480.	14842.
#2	3283.9	5067.3	67042.	14847.

Sample Name: CCB Acquired: 3/13/2014 21:33:49 Type: QC
Method: ICAP1 New RLs at low cal point Mode: CONC Corr. Factor: 1.000000
User: AMH 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	**.00039**	**.00378**	**.00001**	**.00218**	**.00019**	**.00006**	**.02406**	**.00008**	**.00006**	**.00061**	**.00164**	**-.00248**
Stddev	.00035	.00102	.00077	.00021	.00001	.00006	.00130	.00001	.00012	.00030	.00016	.00121
%RSD	89.628	26.967	9139.3	9.5508	5.0070	95.550	5.4151	7.9287	210.64	49.071	9.9955	48.812
#1	.00014	.00450	.00055	.00232	.00018	.00010	.02314	.00007	.00014	.00040	.00153	-.00334
#2	.00065	.00306	-.00053	.00203	.00020	.00002	.02498	.00008	-.00003	.00083	.00176	-.00162
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	**.04903**	**.00610**	**.00056**	**.00273**	**.00011**	**.00018**	**.09876**	**.00003**	**.00070**	F **.0082**	**-.00205**	**-.00092**
Stddev	.03091	.00053	.00015	.00277	.00001	.00003	.00294	.00006	.00037	.0012	.00004	.00467
%RSD	63.045	8.7014	27.184	101.49	13.470	15.088	2.9808	214.41	52.501	15.18	1.7610	508.34
#1	.07089	.00648	.00045	.00469	.00010	.00020	.09668	-.00002	.00044	.0091	-.00207	-.00422
#2	.02717	.00573	.00066	.00077	.00012	.00016	.10085	.00008	.00096	.0073	-.00202	.00238
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
High Limit										.0030		
Low Limit										-.0040		

Elem	Si2881	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.02483**	**.00029**	**-.00011**	**.00006**	**.00076**	**.00053**	**.00071**
Stddev	.00486	.00000	.00007	.00004	.00041	.00031	.00011
%RSD	19.588	.73199	62.854	63.032	53.458	58.490	15.963
#1	.02139	.00030	-.00016	.00008	.00105	.00075	.00080
#2	.02827	.00029	-.00006	.00003	.00047	.00031	.00063
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	**3590.0**	**5203.5**	**69327.**	**14723.**
Stddev	.6	.0	260.	77.
%RSD	.01748	.00030	.37520	.52197
#1	3589.5	5203.5	69143.	14777.
#2	3590.4	5203.5	69511.	14668.

Sample Name: CCVL Acquired: 3/13/2014 21:36:41 Type: QC
Method: ICAP1 New RLs at low cal point Mode: CONC Corr. Factor: 1.000000
User: AMH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	B_2089	Ba4554-2	Be3130	Ca3179	Cd2288	Co2286	Cr2677	Cu3247
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00595**	**.20343**	**.01404**	**.02139**	**.00239**	**.00211**	**.51646**	**.00200**	**.00408**	**.00405**	F **.01574**
Stddev	.00000	.01362	.00150	.00052	.00001	.00003	.00365	.00008	.00000	.00004	.00024
%RSD	.01326	6.6934	10.717	2.4446	.39773	1.5506	.70605	4.0201	.05125	.88004	1.5202
#1	.00595	.19380	.01298	.02176	.00239	.00208	.51388	.00194	.00408	.00407	.01557
#2	.00595	.21305	.01510	.02103	.00240	.00213	.51904	.00206	.00408	.00402	.01590
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail
Value											.01000
Range											50.000%

Elem	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
Avg	**.04503**	**.51606**	**.40830**	**.03123**	**.21380**	**.00352**	**.01004**	**1.1137**	**.01079**	W **.01342**	**.2122**
Stddev	.00020	.01228	.00190	.00024	.00013	.00004	.00029	.0192	.00016	.00196	.0002
%RSD	.44581	2.3788	.46551	.77844	.06040	1.0051	2.8878	1.7218	1.4401	14.592	.1046
#1	.04517	.50738	.40964	.03140	.21389	.00349	.00983	1.1001	.01090	.01204	.2121
#2	.04488	.52474	.40695	.03106	.21371	.00354	.01024	1.1272	.01068	.01481	.2124
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass
Value										.01000	
Range										30.000%	

Elem	Sb2068	Se1960	Si2881	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.01883**	**.02522**	**.52458**	**.01116**	**.00493**	**.00511**	**.01917**	**.00553**	W **.01461**
Stddev	.00081	.00151	.00043	.00013	.00008	.00012	.00028	.00006	.00051
%RSD	4.3204	5.9944	.08229	1.1319	1.6758	2.3014	1.4427	1.1700	3.5138
#1	.01940	.02415	.52427	.01107	.00487	.00503	.01937	.00558	.01425
#2	.01825	.02629	.52488	.01125	.00499	.00520	.01898	.00549	.01497
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn
Value									.01000
Range									30.000%

Int. Std.	In2306	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**3620.5**	**5272.0**	**70655.**	**15028.**
Stddev	3.8	6.1	120.	50.
%RSD	.10506	.11652	.17045	.33113
#1	3623.2	5276.4	70740.	14992.
#2	3617.8	5267.7	70570.	15063.

Sample Name: MB 480-169720/2-A Acquired: 3/13/2014 21:39:31 Type: Unk
Method: ICAP1 New RLs at low cal point Mode: CONC Corr. Factor: 1.000000
User: AMH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	B_2089	Ba4554-2	Be3130	Ca3179	Cd2288	Co2286
Line	328.068 {103}	308.215 {109}	189.042 {478}	208.959 {461}	455.403 { 74}2	313.042 {108}	317.933 {106}	228.802 {447}	228.616 {447}
IS Ref	(Y_3600)	(Y_3774)	(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**	**.01514**	**.00067**	**.00168**	**.00019**	**.00002**	**.01677**	**-.00004**	**.00002**
Stddev	.00038	.00113	.00046	.00028	.00001	.00001	.00008	.00006	.00004
%RSD	254.89	7.4328	68.275	16.733	3.6488	32.830	.49972	159.47	189.35
#1	.00012	.01594	.00100	.00148	.00019	.00002	.01671	-.00009	.00006
#2	-.00042	.01435	.00035	.00187	.00018	.00003	.01683	.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	**-.00007**	**.00196**	**-.00236**	**.00758**	**.00059**	**.00152**	**.00163**	**.00057**	**.00007**
Stddev	.00010	.00019	.00027	.01907	.00002	.00011	.00012	.00005	.00021
%RSD	155.90	9.9168	11.411	251.54	2.7078	7.0860	7.0486	9.0910	296.93
#1	.00001	.00209	-.00217	-.00590	.00058	.00160	.00171	.00061	.00022
#2	-.00014	.00182	-.00255	.02106	.00060	.00145	.00155	.00054	-.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	**.04826**	**-.00011**	**-.00054**	**.0075**	**-.00157**	**.00191**	**.00170**	**.00011**	**-.00009**
Stddev	.00061	.00022	.00023	.0029	.00090	.00108	.00552	.00015	.00001
%RSD	1.2696	200.54	41.788	38.29	57.672	56.557	325.43	137.54	5.8702
#1	.04870	.00005	-.00038	.0055	-.00221	.00115	-.00221	.00021	-.00009
#2	.04783	-.00027	-.00070	.0095	-.00093	.00268	.00560	.00000	-.00010
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Ti3349	Tl1908	V_2924	Zn2062
Line	334.904 {101}	190.856 {477}	292.402 {115}	206.200 {163}
IS Ref	(Y_3600)	(In2306)	(Y_3600)	(Y_3600)
Units	ppm	ppm	ppm	ppm
Avg	**-.00017**	**.00222**	**.00030**	**.00193**
Stddev	.00012	.00014	.00005	.00007
%RSD	72.065	6.1724	16.917	3.4947
#1	-.00026	.00213	.00034	.00198
#2	-.00008	.00232	.00027	.00189
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				
Low Limit				

Int. Std.	In2306	Y_2243	Y_3600	Y_3774
Line	230.606 {446}	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**3628.2**	**5250.1**	**70399.**	**14957.**
Stddev	4.0	.3	461.	154.
%RSD	.10895	.00524	.65439	1.0269
#1	3631.0	5249.9	70073.	14848.
#2	3625.4	5250.3	70724.	15066.

Sample Name: LCS 480-169720/3-A Acquired: 3/13/2014 21:42:22 Type: Unk
Method: ICAP1 New RLs at low cal point Mode: CONC Corr. Factor: 1.000000
User: AMH 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	**1.1464**	**.01034**	**1.1003**	**.02194**	**.99538**	**.96654**	**.68469**	**1.0877**	**1.0309**
Stddev	.0009	.00040	.0029	.00064	.00001	.00136	.00532	.0010	.0003
%RSD	.07972	3.8339	.26614	2.9304	.00074	.14031	.77720	.09256	.02784
#1	1.1470	.01062	1.1023	.02239	.99539	.96558	.68845	1.0884	1.0312
#2	1.1457	.01006	1.0982	.02149	.99538	.96750	.68092	1.0870	1.0307
Check ?	Chk Pass	None	Chk Pass	None	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Cr2677	Cu3247	Fe2599	K_7664	K_7664-2	Li6707	Mg2790	Mn2576	Mo2020
Line	267.716 {126}	324.754 {104}	259.940 {130}	766.490 { 44}	766.490 { 44}2	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}
IS Ref	(Y_3600)	(Y_3600)	(Y_3774)	(Y_3774)	(Y_3774)	(Y_3774)	(Y_3600)	(Y_3600)	(Y_2243)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.0044**	**1.0616**	**.00958**	**.80313**	**1.6717**	**.00108**	**.07700**	**.98120**	**.97992**
Stddev	.0038	.0003	.00121	.00217	.0045	.00067	.00928	.00111	.00111
%RSD	.37742	.02363	12.586	.26979	.26626	62.346	12.057	.11278	.11285
#1	1.0070	1.0614	.00873	.80160	1.6686	.00156	.08357	.98198	.97914
#2	1.0017	1.0618	.01043	.80466	1.6749	.00060	.07044	.98042	.98070
Check ?	Chk Pass	Chk Pass	None	None	None	None	None	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Na8183	Ni2316	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899	Sr4077
Line	818.326 { 41}	231.604 {446}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}2	189.989 {477}	407.771 { 83}
IS Ref	(Y_3774)	(In2306)	(In2306)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3774)	(In2306)	(Y_3774)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1947.7**	**.99984**	**1.0116**	F **.0794**	**1.0594**	**1.1323**	**.04424**	**.00232**	**.98314**
Stddev	1.3	.00227	.0020	.0046	.0054	.0017	.00559	.00058	.00260
%RSD	.06626	.22682	.19882	5.830	.50905	.14971	12.643	25.148	.26469
#1	1948.6	.99823	1.0130	.0827	1.0632	1.1311	.04028	.00191	.98498
#2	1946.8	1.0014	1.0102	.0761	1.0556	1.1335	.04820	.00274	.98130
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	**.00067**	**.92572**	**1.0713**	**1.1115**
Stddev	.00088	.00216	.0052	.0060
%RSD	131.47	.23384	.48046	.53990
#1	.00005	.92419	1.0749	1.1158
#2	.00129	.92725	1.0676	1.1073
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	**2616.8**	**4450.1**	**56810.**	**14189.**
Stddev	.9	2.1	27.	21.
%RSD	.03536	.04803	.04742	.14688
#1	2616.1	4448.6	56791.	14174.
#2	2617.4	4451.6	56829.	14204.

Sample Name: 480-55724-A-1-B Acquired: 3/13/2014 21:45:12 Type: Unk
Method: ICAP1 New RLs at low cal point Mode: CONC Corr. Factor: 1.000000
User: AMH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	B_2089	Ba4554-2	Be3130	Ca3179	Cd2288	Co2286
Line	328.068 {103}	308.215 {109}	189.042 {478}	208.959 {461}	455.403 { 74}2	313.042 {108}	317.933 {106}	228.802 {447}	228.616 {447}
IS Ref	(Y_3600)	(Y_3774)	(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**	**.04075**	**.01290**	**.02076**	**.05605**	**.00001**	**37.644**	**.00328**	**.04524**
Stddev	.00040	.00844	.00133	.00006	.00019	.00004	.058	.00012	.00009
%RSD	346.17	20.701	10.324	.30095	.33994	336.86	.15441	3.5885	.20170
#1	-.00017	.04672	.01384	.02072	.05619	.00004	37.685	.00320	.04530
#2	.00040	.03479	.01196	.02080	.05592	-.00002	37.603	.00336	.04517
Check ?	Chk 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	**.52423**	**.09398**	**149.42**	**1.0847**	**2.4097**	**.00169**	**.24137**	**.62031**	**.03810**
Stddev	.00507	.00009	.20	.0220	.0067	.00048	.00993	.00439	.00005
%RSD	.96768	.10076	.13469	2.0284	.27628	28.326	4.1155	.70845	.14418
#1	.52782	.09405	149.57	1.0692	2.4050	.00203	.24839	.62342	.03806
#2	.52065	.09391	149.28	1.1003	2.4144	.00135	.23435	.61720	.03814
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	**1959.2**	**.06317**	**.23796**	**1.364**	**.00626**	**.00856**	**.04632**	**.00807**	**.03341**
Stddev	5.2	.00016	.00027	.005	.00075	.00270	.00181	.00006	.00003
%RSD	.26663	.25027	.11395	.3963	11.950	31.562	3.9060	.79807	.08722
#1	1962.9	.06306	.23816	1.360	.00679	.01047	.04504	.00811	.03339
#2	1955.5	.06328	.23777	1.368	.00573	.00665	.04760	.00802	.03343
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	**.00030**	**-.00451**	**.00262**	**4.0483**
Stddev	.00047	.00277	.00039	.0573
%RSD	153.64	61.456	15.051	1.4146
#1	.00063	-.00647	.00290	4.0888
#2	-.00003	-.00255	.00234	4.0078
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				
Low Limit				

Int. Std.	In2306	Y_2243	Y_3600	Y_3774
Line	230.606 {446}	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**2581.0**	**4395.6**	**56845.**	**14064.**
Stddev	2.6	14.2	400.	55.
%RSD	.10105	.32222	.70297	.39369
#1	2582.8	4405.6	56562.	14024.
#2	2579.1	4385.6	57127.	14103.

Sample Name: 480-55724-A-1-B SD@5 Acquired: 3/13/2014 21:48:04 Type: Unk
Method: ICAP1 New RLs at low cal point Mode: CONC Corr. Factor: 1.000000
User: AMH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	B_2089	Ba4554-2	Be3130	Ca3179	Cd2288	Co2286
Line	328.068 {103}	308.215 {109}	189.042 {478}	208.959 {461}	455.403 { 74}2	313.042 {108}	317.933 {106}	228.802 {447}	228.616 {447}
IS Ref	(Y_3600)	(Y_3774)	(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**	**.00972**	**.00288**	**.00507**	**.01189**	**.00004**	**7.8001**	**.00076**	**.00912**
Stddev	.00035	.01664	.00133	.00006	.00002	.00007	.0089	.00002	.00005
%RSD	294.47	171.15	46.360	1.1175	.19725	188.91	.11353	3.2559	.58686
#1	-.00037	-.00204	.00194	.00511	.01191	.00009	7.8063	.00078	.00908
#2	.00013	.02149	.00382	.00503	.01188	-.00001	7.7938	.00075	.00915
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Cr2677	Cu3247	Fe2599	K_7664	K_7664-2	Li6707	Mg2790	Mn2576	Mo2020
Line	267.716 {126}	324.754 {104}	259.940 {130}	766.490 { 44}	766.490 { 44}2	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}
IS Ref	(Y_3600)	(Y_3600)	(Y_3774)	(Y_3774)	(Y_3774)	(Y_3774)	(Y_3600)	(Y_3600)	(Y_2243)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.10499**	**.01926**	**30.199**	**.23041**	**.31776**	**.00072**	**.05426**	**.12842**	**.00828**
Stddev	.00010	.00023	.032	.00287	.00009	.00053	.00739	.00027	.00006
%RSD	.09899	1.1935	.10458	1.2454	.02762	73.845	13.617	.21039	.75497
#1	.10507	.01943	30.221	.23244	.31782	.00034	.05948	.12823	.00824
#2	.10492	.01910	30.176	.22838	.31770	.00109	.04904	.12861	.00832
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	**402.20**	**.01278**	**.04882**	**.2786**	**.00137**	**.00312**	**.01144**	**.00163**	**.00669**
Stddev	.09	.00074	.00057	.0024	.00174	.00135	.00066	.00009	.00005
%RSD	.02220	5.7707	1.1591	.8453	126.74	43.245	5.7567	5.6434	.77328
#1	402.14	.01226	.04922	.2803	.00014	.00217	.01098	.00157	.00665
#2	402.26	.01330	.04842	.2770	.00260	.00408	.01191	.00170	.00673
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**	**-.00053**	**.00033**	**.80763**
Stddev	.00014	.00419	.00015	.00874
%RSD	251.18	790.05	44.628	1.0821
#1	.00004	.00243	.00043	.80145
#2	-.00016	-.00350	.00022	.81381
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				
Low Limit				

Int. Std.	In2306	Y_2243	Y_3600	Y_3774
Line	230.606 {446}	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**3015.7**	**4754.5**	**64413.**	**14573.**
Stddev	.2	2.7	48.	34.
%RSD	.00721	.05626	.07506	.23505
#1	3015.6	4756.4	64447.	14548.
#2	3015.9	4752.6	64379.	14597.

Sample Name: 480-55724-A-1-B PDS Acquired: 3/13/2014 21:50:57 Type: Unk
Method: ICAP1 New RLs at low cal point Mode: CONC Corr. Factor: 1.000000
User: AMH 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	**1.2086**	**.05325**	**1.1929**	**.02007**	**1.1060**	**1.0691**	**38.150**	**1.1822**	**1.1501**
Stddev	.0061	.01563	.0006	.00014	.0022	.0021	.195	.0008	.0013
%RSD	.50470	29.343	.05354	.69075	.19560	.19702	.51012	.06463	.11480
#1	1.2043	.04220	1.1934	.01997	1.1075	1.0706	38.287	1.1817	1.1492
#2	1.2129	.06430	1.1925	.02016	1.1045	1.0676	38.012	1.1828	1.1511
Check ?	Chk 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	**1.5644**	**1.2230**	**147.92**	**1.0880**	**2.5140**	**.00161**	**.23246**	**1.6776**	**1.0897**
Stddev	.0069	.0017	1.81	.0104	.0086	.00032	.00288	.0020	.0006
%RSD	.44337	.14108	1.2209	.95794	.34166	20.148	1.2370	.11959	.05376
#1	1.5595	1.2217	149.19	1.0807	2.5201	.00138	.23449	1.6762	1.0901
#2	1.5693	1.2242	146.64	1.0954	2.5079	.00184	.23043	1.6790	1.0893
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	**2041.8**	**1.1425**	**1.3191**	**1.391**	**1.1183**	**1.2056**	**.05266**	**.00791**	**.03380**
Stddev	1.4	.0006	.0030	.015	.0018	.0000	.01115	.00025	.00017
%RSD	.06858	.05555	.22565	1.052	.16233	.00072	21.173	3.1567	.49642
#1	2042.8	1.1430	1.3212	1.381	1.1196	1.2056	.04477	.00773	.03392
#2	2040.8	1.1421	1.3170	1.402	1.1170	1.2056	.06054	.00809	.03368
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	**.00164**	**.99501**	**1.1130**	**5.0742**
Stddev	.00009	.00373	.0032	.0352
%RSD	5.7498	.37484	.28482	.69305
#1	.00170	.99238	1.1108	5.0493
#2	.00157	.99765	1.1153	5.0990
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				
Low Limit				

Int. Std.	In2306	Y_2243	Y_3600	Y_3774
Line	230.606 {446}	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**2565.7**	**4351.7**	**57859.**	**14163.**
Stddev	1.7	.6	103.	81.
%RSD	.06476	.01291	.17761	.57401
#1	2564.5	4351.3	57931.	14105.
#2	2566.9	4352.1	57786.	14220.

Sample Name: 480-55724-A-1-C MS Acquired: 3/13/2014 21:53:46 Type: Unk
Method: ICAP1 New RLs at low cal point Mode: CONC Corr. Factor: 1.000000
User: AMH 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	**1.1261**	**.02908**	**1.1227**	**.02085**	**1.0259**	**.99424**	**37.396**	**1.1123**	**1.0744**
Stddev	.0027	.00519	.0028	.00014	.0000	.00019	.031	.0021	.0009
%RSD	.23973	17.838	.25131	.66662	.00084	.01959	.08356	.19110	.08170
#1	1.1280	.03275	1.1247	.02075	1.0259	.99438	37.418	1.1108	1.0751
#2	1.1242	.02541	1.1207	.02095	1.0259	.99410	37.374	1.1138	1.0738
Check ?	Chk 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	**1.4629**	**1.1257**	**142.30**	**1.1047**	**2.4481**	**.00149**	**.23257**	**1.5893**	**1.0187**
Stddev	.0037	.0001	.05	.0312	.0020	.00028	.00155	.0009	.0003
%RSD	.25021	.00932	.03836	2.8237	.08324	18.720	.66818	.05933	.02467
#1	1.4603	1.1257	142.34	1.1267	2.4495	.00169	.23367	1.5887	1.0185
#2	1.4655	1.1258	142.26	1.0826	2.4466	.00129	.23147	1.5900	1.0189
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	**2013.8**	**1.0782**	**1.2572**	**1.354**	**1.0449**	**1.1306**	**.04654**	**.00714**	**.98633**
Stddev	2.3	.0001	.0004	.001	.0062	.0038	.00791	.00012	.00067
%RSD	.11621	.00566	.03413	.0978	.59296	.33562	16.998	1.6341	.06784
#1	2012.2	1.0782	1.2569	1.355	1.0492	1.1332	.05214	.00706	.98586
#2	2015.5	1.0781	1.2576	1.353	1.0405	1.1279	.04095	.00723	.98681
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	**.00194**	**.93720**	**1.0145**	**4.8588**
Stddev	.00011	.00130	.0008	.0224
%RSD	5.4902	.13878	.08386	.46043
#1	.00186	.93812	1.0151	4.8746
#2	.00201	.93628	1.0139	4.8429
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				
Low Limit				

Int. Std.	In2306	Y_2243	Y_3600	Y_3774
Line	230.606 {446}	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**2588.4**	**4374.3**	**59146.**	**14257.**
Stddev	1.2	10.7	17.	31.
%RSD	.04498	.24388	.02871	.21772
#1	2589.2	4381.9	59158.	14235.
#2	2587.6	4366.8	59134.	14279.

Sample Name: 480-55724-A-1-D MSD Acquired: 3/13/2014 21:56:35 Type: Unk
Method: ICAP1 New RLs at low cal point Mode: CONC Corr. Factor: 1.000000
User: AMH 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	**1.0521**	**.04194**	**1.0495**	**.01952**	**.96834**	**.93890**	**35.110**	**1.0438**	**1.0076**
Stddev	.0027	.01663	.0010	.00034	.00031	.00108	.006	.0018	.0011
%RSD	.25409	39.661	.09821	1.7347	.03232	.11451	.01842	.16767	.11302
#1	1.0540	.03018	1.0502	.01976	.96811	.93814	35.106	1.0450	1.0084
#2	1.0502	.05370	1.0487	.01928	.96856	.93966	35.115	1.0426	1.0068
Check ?	Chk 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	**1.3726**	**1.0477**	**133.32**	**1.0212**	**2.2704**	**.00115**	**.21236**	**1.4935**	**.96077**
Stddev	.0004	.0042	.89	.0007	.0131	.00027	.00458	.0014	.00059
%RSD	.02615	.40358	.66837	.06810	.57566	23.455	2.1569	.09013	.06164
#1	1.3724	1.0507	133.95	1.0207	2.2797	.00134	.21560	1.4925	.96035
#2	1.3729	1.0447	132.69	1.0217	2.2612	.00096	.20912	1.4944	.96118
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	**1896.8**	**1.0140**	**1.1793**	**1.257**	**.97595**	**1.0654**	**.04005**	**.00706**	**.92959**
Stddev	3.6	.0016	.0055	.002	.00449	.0023	.00707	.00054	.00083
%RSD	.18804	.15923	.46438	.1559	.46054	.21298	17.649	7.6259	.08946
#1	1894.3	1.0129	1.1832	1.256	.97913	1.0638	.03505	.00668	.92900
#2	1899.4	1.0152	1.1754	1.258	.97277	1.0670	.04505	.00744	.93018
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	**.00168**	**.87700**	**.94365**	**4.5289**
Stddev	.00026	.00168	.00093	.0117
%RSD	15.576	.19205	.09839	.25809
#1	.00187	.87819	.94430	4.5206
#2	.00150	.87581	.94299	4.5371
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				
Low Limit				

Int. Std.	In2306	Y_2243	Y_3600	Y_3774
Line	230.606 {446}	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**2613.5**	**4393.2**	**59739.**	**14248.**
Stddev	5.2	7.2	62.	13.
%RSD	.20062	.16416	.10416	.09386
#1	2609.8	4388.1	59695.	14257.
#2	2617.2	4398.3	59783.	14238.

Sample Name: MB 480-168898/19-B Acquired: 3/13/2014 21:59:25 Type: Unk
Method: ICAP1 New RLs at low cal point Mode: CONC Corr. Factor: 1.000000
User: AMH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	B_2089	Ba4554-2	Be3130	Ca3179	Cd2288	Co2286
Line	328.068 {103}	308.215 {109}	189.042 {478}	208.959 {461}	455.403 { 74}2	313.042 {108}	317.933 {106}	228.802 {447}	228.616 {447}
IS Ref	(Y_3600)	(Y_3774)	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3774)	(Y_3774)	(Y_2243)	(In2306)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00021**	**-.00401**	**.00026**	**.00086**	**.00032**	**.00009**	**.01408**	**.00011**	**.00005**
Stddev	.00029	.00329	.00113	.00014	.00001	.00001	.00050	.00000	.00001
%RSD	138.36	82.011	436.34	16.283	2.8122	15.951	3.5656	.21688	16.987
#1	.00042	-.00633	.00105	.00076	.00031	.00008	.01372	.00011	.00005
#2	.00000	-.00168	-.00054	.00096	.00033	.00010	.01443	.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	**.00018**	**-.00013**	**.01009**	**.05615**	**.00337**	**.00097**	**.00301**	**-.00015**	**.00041**
Stddev	.00028	.00015	.00269	.00633	.00088	.00096	.00239	.00003	.00010
%RSD	153.04	115.32	26.629	11.270	26.083	98.640	79.143	21.662	23.496
#1	-.00002	-.00024	.00819	.06062	.00400	.00029	.00470	-.00013	.00048
#2	.00038	-.00002	.01199	.05167	.00275	.00165	.00133	-.00018	.00034
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Na5895	Ni2316	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899	Sr4077
Line	589.592 { 57}	231.604 {446}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}2	189.989 {477}	407.771 { 83}
IS Ref	(Y_3774)	(In2306)	(In2306)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3774)	(In2306)	(Y_3774)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.43463**	**-.00022**	**.00142**	**.0080**	**.00827**	**.00243**	**.00080**	**.00040**	**.00006**
Stddev	.00203	.00021	.00096	.0012	.00097	.00096	.00298	.00013	.00003
%RSD	.46645	93.679	67.795	14.52	11.702	39.442	374.15	33.079	50.536
#1	.43319	-.00036	.00074	.0072	.00759	.00311	.00291	.00049	.00009
#2	.43606	-.00007	.00210	.0088	.00896	.00175	-.00131	.00030	.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	Ti3349	Tl1908	V_2924	Zn2062
Line	334.904 {101}	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**	**-.00007**	**.00027**	**.00057**
Stddev	.00031	.00159	.00009	.00022
%RSD	219.25	2283.4	34.028	38.685
#1	.00036	-.00119	.00021	.00073
#2	-.00008	.00106	.00034	.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	**3633.3**	**5086.3**	**74225.**	**15287.**
Stddev	3.9	1.5	295.	100.
%RSD	.10667	.02864	.39708	.65269
#1	3636.1	5085.2	74433.	15358.
#2	3630.6	5087.3	74016.	15217.

Sample Name: LCS 480-168898/20-B Acquired: 3/13/2014 22:02:15 Type: Unk
Method: ICAP1 New RLs at low cal point Mode: CONC Corr. Factor: 1.000000
User: AMH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	B_2089	Ba4554-2	Be3130	Ca3179	Cd2288	Co2286
Line	328.068 {103}	308.215 {109}	189.042 {478}	208.959 {461}	455.403 { 74}2	313.042 {108}	317.933 {106}	228.802 {447}	228.616 {447}
IS Ref	(Y_3600)	(Y_3774)	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3774)	(Y_3774)	(Y_2243)	(In2306)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.05151**	**10.535**	**.22233**	**.21732**	**.21514**	**.21888**	**10.041**	**.21895**	**.21136**
Stddev	.00108	.050	.00030	.00038	.00055	.00010	.001	.00073	.00013
%RSD	2.0922	.47192	.13409	.17324	.25744	.04718	.01054	.33399	.06337
#1	.05227	10.500	.22254	.21706	.21553	.21881	10.042	.21947	.21145
#2	.05074	10.570	.22212	.21759	.21475	.21895	10.040	.21844	.21126
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Cr2677	Cu3247	Fe2599	K_7664	K_7664-2	Li6707	Mg2790	Mn2576	Mo2020
Line	267.716 {126}	324.754 {104}	259.940 {130}	766.490 { 44}	766.490 { 44}2	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}
IS Ref	(Y_3600)	(Y_3600)	(Y_3774)	(Y_3774)	(Y_3774)	(Y_3774)	(Y_3600)	(Y_3600)	(Y_2243)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.20547**	**.21456**	**10.559**	**10.460**	**9.9810**	**.21645**	**10.793**	**.21344**	**.22135**
Stddev	.00102	.00067	.016	.069	.0336	.00091	.001	.00055	.00147
%RSD	.49433	.31090	.15414	.66344	.33667	.42081	.00766	.25796	.66280
#1	.20619	.21504	10.548	10.411	10.005	.21580	10.792	.21383	.22239
#2	.20476	.21409	10.571	10.509	9.9572	.21709	10.794	.21305	.22031
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Na5895	Ni2316	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899	Sr4077
Line	589.592 { 57}	231.604 {446}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}2	189.989 {477}	407.771 { 83}
IS Ref	(Y_3774)	(In2306)	(In2306)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3774)	(In2306)	(Y_3774)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**10.568**	**.21697**	**.20923**	**10.43**	**.21789**	**.22052**	**10.176**	**.20273**	**.20862**
Stddev	.043	.00022	.00004	.02	.00258	.00203	.022	.00060	.00078
%RSD	.40972	.09994	.01746	.1559	1.1836	.92248	.21340	.29391	.37305
#1	10.537	.21682	.20921	10.44	.21971	.22195	10.160	.20231	.20807
#2	10.598	.21712	.20926	10.42	.21607	.21908	10.191	.20316	.20917
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	**.20711**	**.21620**	**.20980**	**.19832**
Stddev	.00033	.00075	.00039	.00025
%RSD	.15854	.34706	.18521	.12358
#1	.20688	.21567	.21007	.19815
#2	.20734	.21673	.20952	.19850
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				
Low Limit				

Int. Std.	In2306	Y_2243	Y_3600	Y_3774
Line	230.606 {446}	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**3447.1**	**5010.3**	**72056.**	**15342.**
Stddev	.3	6.5	293.	44.
%RSD	.00776	.12936	.40622	.28473
#1	3447.3	5005.7	71849.	15311.
#2	3446.9	5014.9	72263.	15373.

Sample Name: CCV Acquired: 3/13/2014 22:05:03 Type: QC
Method: ICAP1 New RLs at low cal point Mode: CONC Corr. Factor: 1.000000
User: AMH 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	**.50390**	**25.646**	**.52475**	**.51040**	**.52558**	**.51233**	**24.642**	**.52041**	**.50814**	**.50219**	**.51894**	**24.921**
Stddev	.00012	.108	.00243	.00083	.00016	.00092	.020	.00060	.00105	.00222	.00239	.047
%RSD	.02444	.41981	.46326	.16255	.03049	.17940	.08213	.11535	.20714	.44178	.46027	.18931
#1	.50399	25.570	.52647	.50981	.52569	.51298	24.628	.51999	.50740	.50062	.51725	24.954
#2	.50381	25.723	.52303	.51099	.52547	.51168	24.657	.52084	.50889	.50376	.52063	24.888
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
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	**26.003**	**25.769**	**.52826**	**25.305**	**.51453**	**.52381**	**25.839**	**.51297**	**.50709**	**25.22**	**.51855**	**.52289**
Stddev	.045	.044	.00080	.003	.00014	.00067	.020	.00256	.00202	.03	.00119	.00141
%RSD	.17315	.17031	.15091	.01134	.02771	.12781	.07550	.49946	.39872	.1042	.22906	.26932
#1	25.971	25.738	.52770	25.303	.51463	.52333	25.825	.51116	.50566	25.20	.51771	.52189
#2	26.035	25.800	.52882	25.307	.51443	.52428	25.853	.51478	.50852	25.23	.51939	.52388
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	**24.725**	**.51253**	**.51434**	**.50917**	**.50723**	**.50099**	**.49115**
Stddev	.097	.00137	.00030	.00012	.00263	.00037	.00153
%RSD	.39200	.26715	.05754	.02291	.51948	.07424	.31146
#1	24.656	.51350	.51413	.50909	.50537	.50072	.49007
#2	24.793	.51156	.51455	.50925	.50910	.50125	.49224
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	**3299.4**	**4976.1**	**69340.**	**14868.**
Stddev	.7	1.8	135.	9.
%RSD	.02175	.03606	.19417	.06065
#1	3299.9	4974.8	69435.	14861.
#2	3298.8	4977.3	69245.	14874.

Sample Name: CCB Acquired: 3/13/2014 22:07:50 Type: QC
Method: ICAP1 New RLs at low cal point Mode: CONC Corr. Factor: 1.000000
User: AMH 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	**-.00072**	**.00945**	**-.00048**	**.00076**	**.00013**	**.00010**	**.01732**	**.00007**	**.00000**	**.00037**	**.00023**	**.00857**
Stddev	.00008	.00400	.00209	.00014	.00000	.00006	.00249	.00005	.00011	.00018	.00006	.00458
%RSD	11.713	42.286	433.84	18.235	2.0798	56.153	14.401	67.439	3907.3	48.019	25.825	53.522
#1	-.00078	.00663	.00100	.00086	.00013	.00014	.01908	.00004	-.00008	.00024	.00028	.01181
#2	-.00066	.01228	-.00196	.00066	.00012	.00006	.01556	.00011	.00008	.00049	.00019	.00532
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	**.04038**	**.00616**	**.00089**	**.00015**	**.00000**	**-.00005**	**.24423**	**-.00020**	**.00095**	F **.0042**	**.00081**	**.00107**
Stddev	.00944	.00026	.00005	.00048	.00007	.00001	.05890	.00018	.00061	.0027	.00054	.00195
%RSD	23.374	4.2577	5.2520	314.07	2443.1	28.604	24.116	87.807	64.263	64.15	67.042	182.10
#1	.04705	.00635	.00086	.00049	.00005	-.00004	.28588	-.00008	.00052	.0023	.00119	.00244
#2	.03370	.00598	.00093	-.00019	-.00005	-.00006	.20259	-.00033	.00138	.0061	.00043	-.00031
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
High Limit										.0030		
Low Limit										-.0040		

Elem	Si2881	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.02790**	**-.00009**	**.00004**	**.00023**	**.00113**	**.00034**	**.00107**
Stddev	.00476	.00033	.00014	.00007	.00008	.00009	.00022
%RSD	17.074	370.40	397.81	32.496	6.7368	28.103	20.624
#1	.02453	-.00032	.00014	.00017	.00108	.00040	.00123
#2	.03127	.00015	-.00007	.00028	.00119	.00027	.00092
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	**3612.1**	**5150.7**	**72368.**	**14995.**
Stddev	7.2	16.3	396.	156.
%RSD	.19866	.31574	.54715	1.0429
#1	3607.0	5139.2	72088.	14884.
#2	3617.1	5162.2	72648.	15105.

Sample Name: CCVL Acquired: 3/13/2014 22:10:42 Type: QC
Method: ICAP1 New RLs at low cal point Mode: CONC Corr. Factor: 1.000000
User: AMH 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	**.00598**	**.20401**	**.01492**	**.02058**	**.00233**	**.00208**	**.50004**	**.00199**	**.00404**	**.00420**	**.01102**	**.04839**
Stddev	.00010	.00069	.00036	.00013	.00002	.00010	.00291	.00011	.00008	.00005	.00013	.00239
%RSD	1.6166	.33984	2.4229	.63683	.79882	5.0082	.58109	5.5965	1.8617	1.2578	1.1500	4.9416
#1	.00605	.20450	.01467	.02049	.00232	.00200	.49798	.00191	.00398	.00424	.01093	.04670
#2	.00591	.20352	.01518	.02067	.00235	.00215	.50209	.00207	.00409	.00416	.01111	.05008
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	**.53614**	**.42288**	**.03189**	**.20955**	**.00342**	**.01037**	**1.1169**	**.01103**	**.01050**	**.2008**	**.01962**	**.02973**
Stddev	.03114	.00106	.00028	.00111	.00005	.00020	.0040	.00002	.00011	.0028	.00130	.00025
%RSD	5.8079	.25181	.87217	.52886	1.5384	1.8898	.35328	.16475	1.0254	1.399	6.6188	.85443
#1	.55816	.42212	.03170	.20877	.00338	.01024	1.1196	.01104	.01058	.1988	.01870	.02991
#2	.51412	.42363	.03209	.21034	.00345	.01051	1.1141	.01102	.01043	.2028	.02054	.02955
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	**.51107**	**.01091**	**.00495**	**.00493**	**.02115**	**.00538**	**.00965**
Stddev	.00416	.00053	.00003	.00010	.00143	.00014	.00018
%RSD	.81483	4.8157	.59967	1.9453	6.7772	2.5730	1.8475
#1	.50812	.01054	.00497	.00487	.02217	.00548	.00953
#2	.51401	.01128	.00492	.00500	.02014	.00528	.00978
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	**3659.3**	**5273.4**	**72337.**	**15052.**
Stddev	.2	.9	493.	76.
%RSD	.00514	.01711	.68092	.50245
#1	3659.1	5274.1	72685.	15106.
#2	3659.4	5272.8	71989.	14999.

Sample Name: 480-55787-A-1-A Acquired: 3/13/2014 22:13:33 Type: Unk
Method: ICAP1 New RLs at low cal point Mode: CONC Corr. Factor: 1.000000
User: AMH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	B_2089	Ba4554-2	Be3130	Ca3179	Cd2288	Co2286
Line	328.068 {103}	308.215 {109}	189.042 {478}	208.959 {461}	455.403 { 74}2	313.042 {108}	317.933 {106}	228.802 {447}	228.616 {447}
IS Ref	(Y_3600)	(Y_3774)	(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**	**-.00072**	**-.00046**	**.01493**	**.03286**	**.00003**	**94.890**	**.00021**	**.00045**
Stddev	.00014	.01459	.00210	.00009	.00005	.00005	.148	.00003	.00001
%RSD	1419.0	2015.5	455.82	.61132	.16042	174.98	.15585	11.869	2.1355
#1	.00009	.00960	-.00195	.01487	.03282	-.00001	94.995	.00023	.00044
#2	-.00011	-.01104	.00103	.01500	.03289	.00006	94.786	.00020	.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	**.00199**	**.00171**	**.00417**	**3.8779**	**4.3659**	**.00298**	**54.795**	**.00297**	**.00003**
Stddev	.00009	.00008	.00079	.0155	.0093	.00033	.159	.00001	.00027
%RSD	4.3320	4.5037	19.003	.40031	.21257	10.913	.28930	.29859	1022.3
#1	.00205	.00177	.00361	3.8889	4.3725	.00275	54.683	.00297	.00022
#2	.00193	.00166	.00473	3.8669	4.3594	.00321	54.907	.00296	-.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	**12.493**	**.00057**	**-.00006**	**8.403**	**-.00194**	**-.00084**	**9.9803**	**.00011**	**.08371**
Stddev	.011	.00030	.00040	.015	.00122	.00036	.0403	.00018	.00014
%RSD	.09103	52.575	629.39	.1768	63.006	42.815	.40338	169.19	.16762
#1	12.485	.00036	-.00035	8.393	-.00281	-.00110	10.009	.00024	.08381
#2	12.501	.00079	.00022	8.414	-.00108	-.00059	9.9519	-.00002	.08361
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	**.00042**	**-.00073**	**.00250**	**.00213**
Stddev	.00063	.00052	.00005	.00037
%RSD	150.62	70.559	1.8052	17.455
#1	.00086	-.00110	.00253	.00240
#2	-.00003	-.00037	.00247	.00187
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				
Low Limit				

Int. Std.	In2306	Y_2243	Y_3600	Y_3774
Line	230.606 {446}	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**3273.2**	**4950.2**	**67714.**	**14853.**
Stddev	3.1	.1	181.	14.
%RSD	.09451	.00288	.26762	.09410
#1	3275.4	4950.1	67842.	14843.
#2	3271.0	4950.3	67586.	14862.

Sample Name: 480-55787-A-1-A SD@5 Acquired: 3/13/2014 22:16:21 Type: Unk
Method: ICAP1 New RLs at low cal point Mode: CONC Corr. Factor: 1.000000
User: AMH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	B_2089	Ba4554-2	Be3130	Ca3179	Cd2288	Co2286
Line	328.068 {103}	308.215 {109}	189.042 {478}	208.959 {461}	455.403 { 74}2	313.042 {108}	317.933 {106}	228.802 {447}	228.616 {447}
IS Ref	(Y_3600)	(Y_3774)	(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**	**-.00582**	**-.00055**	**.00360**	**.00708**	**-.00002**	**20.216**	**.00007**	**.00018**
Stddev	.00002	.00394	.00171	.00000	.00003	.00001	.052	.00003	.00001
%RSD	12.982	67.816	309.43	.05384	.44712	25.329	.25803	49.980	6.9318
#1	-.00013	-.00860	-.00176	.00360	.00706	-.00003	20.179	.00009	.00018
#2	-.00015	-.00303	.00066	.00360	.00711	-.00002	20.252	.00004	.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	**.00081**	**.00120**	**-.00083**	**.82853**	**.71352**	**.00104**	**11.236**	**.00081**	**-.00009**
Stddev	.00045	.00017	.00032	.02785	.00427	.00030	.053	.00001	.00000
%RSD	56.165	14.165	38.848	3.3620	.59825	29.021	.47272	1.4013	3.5960
#1	.00049	.00108	-.00106	.84822	.71050	.00125	11.198	.00080	-.00009
#2	.00113	.00132	-.00060	.80883	.71654	.00082	11.273	.00082	-.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	**2.6781**	**-.00021**	**.00170**	**1.679**	**-.00021**	**-.00149**	**2.0953**	**-.00015**	**.01764**
Stddev	.0162	.00014	.00011	.001	.00174	.00133	.0118	.00021	.00016
%RSD	.60519	65.898	6.2042	.0342	808.97	89.187	.56453	134.90	.89188
#1	2.6896	-.00011	.00178	1.679	.00101	-.00055	2.1037	-.00001	.01775
#2	2.6667	-.00031	.00163	1.680	-.00144	-.00243	2.0870	-.00030	.01753
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Ti3349	Tl1908	V_2924	Zn2062
Line	334.904 {101}	190.856 {477}	292.402 {115}	206.200 {163}
IS Ref	(Y_3600)	(In2306)	(Y_3600)	(Y_3600)
Units	ppm	ppm	ppm	ppm
Avg	**-.00012**	**.00027**	**.00063**	**.00056**
Stddev	.00049	.00119	.00014	.00001
%RSD	396.85	445.03	22.130	1.7700
#1	.00022	.00111	.00073	.00057
#2	-.00047	-.00058	.00053	.00055
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				
Low Limit				

Int. Std.	In2306	Y_2243	Y_3600	Y_3774
Line	230.606 {446}	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**3495.5**	**5127.8**	**69306.**	**14731.**
Stddev	1.7	10.0	352.	88.
%RSD	.04940	.19540	.50755	.59724
#1	3494.3	5120.7	69555.	14793.
#2	3496.7	5134.9	69058.	14669.

Sample Name: 480-55787-A-1-A PDS Acquired: 3/13/2014 22:19:11 Type: Unk
Method: ICAP1 New RLs at low cal point Mode: CONC Corr. Factor: 1.000000
User: AMH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	B_2089	Ba4554-2	Be3130	Ca3179	Cd2288	Co2286
Line	328.068 {103}	308.215 {109}	189.042 {478}	208.959 {461}	455.403 { 74}2	313.042 {108}	317.933 {106}	228.802 {447}	228.616 {447}
IS Ref	(Y_3600)	(Y_3774)	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3774)	(Y_3774)	(Y_2243)	(In2306)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.05120**	**11.036**	**.21582**	**.23442**	**.25593**	**.20420**	**104.23**	**.20722**	**.20616**
Stddev	.00048	.011	.00041	.00012	.00043	.00055	.63	.00027	.00006
%RSD	.94282	.10272	.19098	.05167	.16859	.26950	.60153	.13065	.02676
#1	.05154	11.028	.21612	.23433	.25562	.20459	103.78	.20703	.20612
#2	.05086	11.044	.21553	.23450	.25623	.20381	104.67	.20741	.20620
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Cr2677	Cu3247	Fe2599	K_7664	K_7664-2	Li6707	Mg2790	Mn2576	Mo2020
Line	267.716 {126}	324.754 {104}	259.940 {130}	766.490 { 44}	766.490 { 44}2	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}
IS Ref	(Y_3600)	(Y_3600)	(Y_3774)	(Y_3774)	(Y_3774)	(Y_3774)	(Y_3600)	(Y_3600)	(Y_2243)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.20708**	**.21639**	**9.6865**	**14.927**	**16.672**	**.22458**	**64.966**	**.20360**	**.20596**
Stddev	.00145	.00120	.0127	.111	.053	.00101	.016	.00060	.00031
%RSD	.70141	.55465	.13067	.74657	.31657	.44938	.02394	.29307	.14930
#1	.20605	.21554	9.6954	14.848	16.710	.22387	64.977	.20318	.20617
#2	.20810	.21724	9.6775	15.005	16.635	.22529	64.955	.20403	.20574
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	**23.660**	**.20607**	**.20387**	**8.468**	**.21109**	**.20988**	**20.311**	**.21260**	**.30086**
Stddev	.143	.00024	.00111	.001	.00235	.00359	.184	.00063	.00188
%RSD	.60536	.11469	.54606	.0074	1.1120	1.7116	.90421	.29606	.62635
#1	23.559	.20623	.20308	8.468	.21275	.20734	20.181	.21305	.29952
#2	23.762	.20590	.20466	8.467	.20943	.21242	20.441	.21216	.30219
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	**.20863**	**.20379**	**.21919**	**.20535**
Stddev	.00070	.00174	.00065	.00103
%RSD	.33321	.85323	.29759	.50086
#1	.20912	.20501	.21873	.20462
#2	.20813	.20256	.21966	.20608
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				
Low Limit				

Int. Std.	In2306	Y_2243	Y_3600	Y_3774
Line	230.606 {446}	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**3189.1**	**4970.2**	**66809.**	**14937.**
Stddev	1.7	4.9	93.	64.
%RSD	.05369	.09952	.13940	.43164
#1	3190.3	4973.7	66874.	14983.
#2	3187.9	4966.7	66743.	14892.

Sample Name: 480-55787-A-1-B MS Acquired: 3/13/2014 22:21:56 Type: Unk
Method: ICAP1 New RLs at low cal point Mode: CONC Corr. Factor: 1.000000
User: AMH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	B_2089	Ba4554-2	Be3130	Ca3179	Cd2288	Co2286
Line	328.068 {103}	308.215 {109}	189.042 {478}	208.959 {461}	455.403 { 74}2	313.042 {108}	317.933 {106}	228.802 {447}	228.616 {447}
IS Ref	(Y_3600)	(Y_3774)	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3774)	(Y_3774)	(Y_2243)	(In2306)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.05443**	**10.788**	**.22152**	**.22610**	**.25132**	**.20896**	**108.44**	**.21236**	**.21007**
Stddev	.00072	.047	.00174	.00042	.00003	.00004	.59	.00058	.00008
%RSD	1.3181	.43417	.78615	.18635	.01232	.01772	.54191	.27464	.03622
#1	.05392	10.821	.22275	.22580	.25129	.20899	108.86	.21195	.21012
#2	.05493	10.755	.22029	.22640	.25134	.20894	108.03	.21277	.21001
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Cr2677	Cu3247	Fe2599	K_7664	K_7664-2	Li6707	Mg2790	Mn2576	Mo2020
Line	267.716 {126}	324.754 {104}	259.940 {130}	766.490 { 44}	766.490 { 44}2	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}
IS Ref	(Y_3600)	(Y_3600)	(Y_3774)	(Y_3774)	(Y_3774)	(Y_3774)	(Y_3600)	(Y_3600)	(Y_2243)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.21338**	**.22522**	**9.9463**	**14.851**	**16.777**	**.22158**	**66.771**	**.20936**	**.21154**
Stddev	.00053	.00028	.0242	.009	.175	.00137	.184	.00117	.00007
%RSD	.24676	.12442	.24305	.05781	1.0437	.62032	.27602	.55888	.03478
#1	.21301	.22542	9.9634	14.857	16.654	.22255	66.641	.20854	.21159
#2	.21376	.22502	9.9292	14.845	16.901	.22061	66.902	.21019	.21148
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	**24.026**	**.20997**	**.21102**	F **19.46**	**.21506**	**.21416**	**20.839**	**.21353**	**.30082**
Stddev	.037	.00074	.00089	.03	.00119	.00511	.053	.00126	.00061
%RSD	.15311	.35065	.42062	.1589	.55554	2.3877	.25291	.59037	.20390
#1	24.052	.21049	.21039	19.44	.21422	.21778	20.876	.21264	.30125
#2	24.000	.20945	.21165	19.48	.21591	.21055	20.801	.21442	.30038
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				9.000					
Low Limit				-.2000					

Elem	Ti3349	Tl1908	V_2924	Zn2062
Line	334.904 {101}	190.856 {477}	292.402 {115}	206.200 {163}
IS Ref	(Y_3600)	(In2306)	(Y_3600)	(Y_3600)
Units	ppm	ppm	ppm	ppm
Avg	**.21362**	**.20799**	**.22694**	**.21067**
Stddev	.00005	.00455	.00123	.00148
%RSD	.02134	2.1886	.54243	.70250
#1	.21365	.20477	.22607	.20963
#2	.21359	.21121	.22781	.21172
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				
Low Limit				

Int. Std.	In2306	Y_2243	Y_3600	Y_3774
Line	230.606 {446}	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**3180.3**	**4938.7**	**66008.**	**14679.**
Stddev	.6	2.8	108.	76.
%RSD	.02029	.05701	.16315	.51461
#1	3179.8	4940.7	66084.	14625.
#2	3180.7	4936.7	65932.	14732.

Sample Name: 480-55787-A-1-C MSD Acquired: 3/13/2014 22:24:42 Type: Unk
Method: ICAP1 New RLs at low cal point Mode: CONC Corr. Factor: 1.000000
User: AMH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	B_2089	Ba4554-2	Be3130	Ca3179	Cd2288	Co2286
Line	328.068 {103}	308.215 {109}	189.042 {478}	208.959 {461}	455.403 { 74}2	313.042 {108}	317.933 {106}	228.802 {447}	228.616 {447}
IS Ref	(Y_3600)	(Y_3774)	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3774)	(Y_3774)	(Y_2243)	(In2306)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.05289**	**10.637**	**.22005**	**.22376**	**.24853**	**.20877**	**107.36**	**.21154**	**.20980**
Stddev	.00088	.109	.00095	.00115	.00272	.00037	.57	.00001	.00017
%RSD	1.6728	1.0239	.42972	.51422	1.0925	.17735	.53545	.00669	.08331
#1	.05352	10.714	.21938	.22295	.25045	.20903	107.76	.21155	.20993
#2	.05227	10.560	.22072	.22458	.24661	.20851	106.95	.21153	.20968
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Cr2677	Cu3247	Fe2599	K_7664	K_7664-2	Li6707	Mg2790	Mn2576	Mo2020
Line	267.716 {126}	324.754 {104}	259.940 {130}	766.490 { 44}	766.490 { 44}2	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}
IS Ref	(Y_3600)	(Y_3600)	(Y_3774)	(Y_3774)	(Y_3774)	(Y_3774)	(Y_3600)	(Y_3600)	(Y_2243)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.21096**	**.22155**	**9.9175**	**14.606**	**16.302**	**.21581**	**66.729**	**.20878**	**.21026**
Stddev	.00401	.00343	.0284	.096	.032	.00193	.295	.00086	.00015
%RSD	1.9010	1.5477	.28633	.65766	.19510	.89305	.44147	.41090	.07199
#1	.21380	.22397	9.9376	14.674	16.324	.21717	66.937	.20939	.21015
#2	.20812	.21912	9.8974	14.538	16.279	.21445	66.520	.20817	.21036
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	**23.602**	**.20975**	**.20821**	F **19.41**	**.21605**	**.21548**	**20.574**	**.21409**	**.29494**
Stddev	.177	.00086	.00016	.01	.00135	.00351	.102	.00014	.00254
%RSD	.75008	.40952	.07485	.0374	.62472	1.6277	.49425	.06549	.86268
#1	23.727	.21036	.20810	19.41	.21700	.21796	20.646	.21419	.29674
#2	23.477	.20914	.20832	19.42	.21509	.21300	20.502	.21399	.29314
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				9.000					
Low Limit				-.2000					

Elem	Ti3349	Tl1908	V_2924	Zn2062
Line	334.904 {101}	190.856 {477}	292.402 {115}	206.200 {163}
IS Ref	(Y_3600)	(In2306)	(Y_3600)	(Y_3600)
Units	ppm	ppm	ppm	ppm
Avg	**.21472**	**.20730**	**.22519**	**.20823**
Stddev	.00085	.00215	.00296	.00137
%RSD	.39508	1.0348	1.3151	.65707
#1	.21532	.20578	.22728	.20920
#2	.21412	.20882	.22310	.20727
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				
Low Limit				

Int. Std.	In2306	Y_2243	Y_3600	Y_3774
Line	230.606 {446}	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**3178.7**	**4956.1**	**66334.**	**14692.**
Stddev	2.1	4.1	697.	72.
%RSD	.06451	.08184	1.0507	.48847
#1	3177.3	4959.0	65841.	14642.
#2	3180.2	4953.3	66827.	14743.

Sample Name: 480-55787-A-2-A Acquired: 3/13/2014 22:27:27 Type: Unk
Method: ICAP1 New RLs at low cal point Mode: CONC Corr. Factor: 1.000000
User: AMH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	B_2089	Ba4554-2	Be3130	Ca3179	Cd2288	Co2286
Line	328.068 {103}	308.215 {109}	189.042 {478}	208.959 {461}	455.403 { 74}2	313.042 {108}	317.933 {106}	228.802 {447}	228.616 {447}
IS Ref	(Y_3600)	(Y_3774)	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3774)	(Y_3774)	(Y_2243)	(In2306)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00021**	**.00562**	**.00138**	**.01172**	**.08553**	**.00005**	**115.62**	**.00022**	**-.00002**
Stddev	.00030	.00978	.00008	.00024	.00025	.00007	.11	.00001	.00005
%RSD	141.60	173.97	5.9706	2.0196	.28948	144.36	.09119	6.3005	244.58
#1	-.00043	-.00129	.00132	.01156	.08570	.00010	115.69	.00023	.00001
#2	.00000	.01254	.00144	.01189	.08535	-.00000	115.54	.00021	-.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	**.00190**	**.00361**	**.00203**	**1.8154**	**2.6320**	**.00383**	**64.568**	**.00056**	**-.00001**
Stddev	.00007	.00021	.00003	.0022	.0083	.00022	.061	.00005	.00022
%RSD	3.8842	5.7913	1.3334	.11925	.31676	5.6146	.09500	9.2423	3130.3
#1	.00185	.00347	.00205	1.8139	2.6379	.00368	64.611	.00053	.00015
#2	.00195	.00376	.00201	1.8169	2.6262	.00399	64.524	.00060	-.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	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	**162.86**	**.00162**	**-.00159**	**8.873**	**-.00231**	**.00147**	**8.9615**	**.00007**	**.09933**
Stddev	.30	.00049	.00097	.014	.00122	.00183	.0359	.00032	.00035
%RSD	.18371	30.189	60.901	.1604	52.829	124.28	.40086	470.40	.35311
#1	163.07	.00127	-.00090	8.883	-.00317	.00277	8.9361	-.00016	.09958
#2	162.65	.00196	-.00227	8.863	-.00145	.00018	8.9869	.00029	.09909
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**	**.00077**	**.00087**	**.00340**
Stddev	.00036	.00014	.00006	.00039
%RSD	80.312	17.891	7.0282	11.394
#1	.00019	.00087	.00082	.00313
#2	.00070	.00067	.00091	.00367
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				
Low Limit				

Int. Std.	In2306	Y_2243	Y_3600	Y_3774
Line	230.606 {446}	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**3080.0**	**4837.6**	**64085.**	**14517.**
Stddev	1.2	3.2	132.	10.
%RSD	.03791	.06583	.20607	.06657
#1	3079.2	4835.3	63991.	14524.
#2	3080.8	4839.8	64178.	14510.

Sample Name: 480-55787-A-3-A Acquired: 3/13/2014 22:30:20 Type: Unk
Method: ICAP1 New RLs at low cal point Mode: CONC Corr. Factor: 1.000000
User: AMH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	B_2089	Ba4554-2	Be3130	Ca3179	Cd2288	Co2286
Line	328.068 {103}	308.215 {109}	189.042 {478}	208.959 {461}	455.403 { 74}2	313.042 {108}	317.933 {106}	228.802 {447}	228.616 {447}
IS Ref	(Y_3600)	(Y_3774)	(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**	**.00635**	**.00150**	**.89133**	**.09163**	**-.00000**	**116.36**	**.00010**	**.00228**
Stddev	.00031	.01075	.00171	.00170	.00008	.00001	.14	.00006	.00003
%RSD	871.17	169.32	113.88	.19107	.09120	219.12	.12272	57.667	1.3998
#1	.00025	-.00125	.00029	.89253	.09157	-.00001	116.46	.00014	.00225
#2	-.00018	.01395	.00272	.89012	.09169	.00000	116.26	.00006	.00230
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Cr2677	Cu3247	Fe2599	K_7664	K_7664-2	Li6707	Mg2790	Mn2576	Mo2020
Line	267.716 {126}	324.754 {104}	259.940 {130}	766.490 { 44}	766.490 { 44}2	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}
IS Ref	(Y_3600)	(Y_3600)	(Y_3774)	(Y_3774)	(Y_3774)	(Y_3774)	(Y_3600)	(Y_3600)	(Y_2243)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00151**	**.00678**	**.00115**	**1.1425**	**1.3540**	**.00505**	**61.679**	**.00608**	**.00022**
Stddev	.00006	.00020	.00277	.0043	.0048	.00069	.056	.00001	.00035
%RSD	3.6728	2.9881	240.26	.37931	.35444	13.736	.09115	.16581	159.67
#1	.00155	.00664	-.00081	1.1394	1.3506	.00554	61.719	.00608	-.00003
#2	.00147	.00692	.00311	1.1455	1.3574	.00456	61.639	.00609	.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	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	**31.273**	**.00419**	**.00095**	F **19.26**	**-.00236**	**-.00178**	**10.355**	**.00014**	**.11306**
Stddev	.057	.00035	.00090	.01	.00121	.00235	.054	.00036	.00002
%RSD	.18234	8.3591	94.301	.0682	51.416	132.14	.51764	256.54	.01663
#1	31.313	.00394	.00159	19.25	-.00150	-.00344	10.392	.00040	.11305
#2	31.232	.00444	.00032	19.26	-.00321	-.00012	10.317	-.00011	.11307
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				9.000					
Low Limit				-.2000					

Elem	Ti3349	Tl1908	V_2924	Zn2062
Line	334.904 {101}	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**	**.00080**	**.00178**	**.00073**
Stddev	.00001	.00146	.00005	.00000
%RSD	2.3704	183.05	2.6730	.33441
#1	.00050	-.00024	.00175	.00073
#2	.00048	.00183	.00182	.00074
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				
Low Limit				

Int. Std.	In2306	Y_2243	Y_3600	Y_3774
Line	230.606 {446}	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**3193.5**	**4905.2**	**65368.**	**14690.**
Stddev	.5	2.6	78.	12.
%RSD	.01629	.05221	.11982	.07928
#1	3193.9	4907.0	65312.	14682.
#2	3193.2	4903.4	65423.	14698.

Sample Name: 480-55787-A-4-A Acquired: 3/13/2014 22:33:06 Type: Unk
Method: ICAP1 New RLs at low cal point Mode: CONC Corr. Factor: 1.000000
User: AMH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	B_2089	Ba4554-2	Be3130	Ca3179	Cd2288	Co2286
Line	328.068 {103}	308.215 {109}	189.042 {478}	208.959 {461}	455.403 { 74}2	313.042 {108}	317.933 {106}	228.802 {447}	228.616 {447}
IS Ref	(Y_3600)	(Y_3774)	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3774)	(Y_3774)	(Y_2243)	(In2306)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00092**	**.00766**	**.00879**	**.32177**	**.23278**	**.00002**	**136.28**	**.00015**	**.00351**
Stddev	.00018	.00171	.00076	.00337	.00071	.00000	.00	.00000	.00008
%RSD	19.603	22.301	8.6768	1.0479	.30492	7.3051	.00196	3.0345	2.2242
#1	-.00105	.00646	.00933	.32416	.23328	.00001	136.28	.00015	.00345
#2	-.00079	.00887	.00825	.31939	.23227	.00002	136.28	.00014	.00356
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Cr2677	Cu3247	Fe2599	K_7664	K_7664-2	Li6707	Mg2790	Mn2576	Mo2020
Line	267.716 {126}	324.754 {104}	259.940 {130}	766.490 { 44}	766.490 { 44}2	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}
IS Ref	(Y_3600)	(Y_3600)	(Y_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**	**.00688**	**2.6218**	**16.494**	**20.006**	**.01276**	**66.191**	**.61412**	**.00075**
Stddev	.00021	.00025	.0056	.033	.168	.00083	.200	.00353	.00015
%RSD	23.192	3.7069	.21263	.20287	.84115	6.4898	.30262	.57533	20.289
#1	.00105	.00706	2.6179	16.470	19.887	.01218	66.332	.61661	.00064
#2	.00076	.00670	2.6258	16.518	20.125	.01335	66.049	.61162	.00085
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Na8183	Ni2316	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899	Sr4077
Line	818.326 { 41}	231.604 {446}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}2	189.989 {477}	407.771 { 83}
IS Ref	(Y_3774)	(In2306)	(In2306)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3774)	(In2306)	(Y_3774)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**56.879**	**.00651**	**.00019**	F **27.79**	**-.00151**	**.00019**	**9.6678**	**-.00003**	**.37225**
Stddev	.266	.00046	.00025	.27	.00101	.00099	.0230	.00028	.00031
%RSD	.46678	7.0620	131.07	.9846	67.095	516.66	.23824	1089.5	.08437
#1	56.692	.00684	.00001	27.98	-.00079	.00089	9.6515	-.00022	.37203
#2	57.067	.00619	.00037	27.60	-.00222	-.00051	9.6840	.00017	.37247
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				9.000					
Low Limit				-.2000					

Elem	Ti3349	Tl1908	V_2924	Zn2062
Line	334.904 {101}	190.856 {477}	292.402 {115}	206.200 {163}
IS Ref	(Y_3600)	(In2306)	(Y_3600)	(Y_3600)
Units	ppm	ppm	ppm	ppm
Avg	**.00115**	**-.00084**	**.00027**	**.00694**
Stddev	.00013	.00321	.00016	.00007
%RSD	11.168	381.33	60.636	1.0512
#1	.00106	.00143	.00015	.00689
#2	.00124	-.00311	.00038	.00699
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				
Low Limit				

Int. Std.	In2306	Y_2243	Y_3600	Y_3774
Line	230.606 {446}	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**3152.8**	**4899.0**	**64224.**	**14294.**
Stddev	24.2	41.1	296.	1.
%RSD	.76631	.83820	.46018	.00903
#1	3135.7	4870.0	64015.	14293.
#2	3169.9	4928.0	64433.	14295.

Sample Name: 480-55787-A-5-A Acquired: 3/13/2014 22:35:56 Type: Unk
Method: ICAP1 New RLs at low cal point Mode: CONC Corr. Factor: 1.000000
User: AMH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	B_2089	Ba4554-2	Be3130	Ca3179	Cd2288	Co2286
Line	328.068 {103}	308.215 {109}	189.042 {478}	208.959 {461}	455.403 { 74}2	313.042 {108}	317.933 {106}	228.802 {447}	228.616 {447}
IS Ref	(Y_3600)	(Y_3774)	(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**	**.02006**	**.00250**	**.01796**	**.05180**	**.00001**	**87.032**	**.00021**	**-.00006**
Stddev	.00008	.00757	.00001	.00026	.00008	.00004	.347	.00000	.00004
%RSD	20.405	37.754	.36253	1.4483	.14802	673.09	.39895	1.4892	63.866
#1	.00036	.02541	.00251	.01815	.05185	.00004	87.277	.00021	-.00009
#2	.00048	.01470	.00250	.01778	.05175	-.00002	86.786	.00021	-.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	**.00167**	**.00469**	**.00120**	**.36383**	**.37929**	**.00485**	**47.379**	**.00404**	**-.00022**
Stddev	.00040	.00004	.00042	.02160	.00337	.00006	.059	.00000	.00017
%RSD	24.140	.85036	35.180	5.9365	.88733	1.1441	.12557	.06203	75.398
#1	.00195	.00466	.00091	.34856	.38167	.00481	47.421	.00404	-.00034
#2	.00138	.00472	.00150	.37910	.37691	.00489	47.337	.00403	-.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	Na5895	Ni2316	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899	Sr4077
Line	589.592 { 57}	231.604 {446}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}2	189.989 {477}	407.771 { 83}
IS Ref	(Y_3774)	(In2306)	(In2306)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3774)	(In2306)	(Y_3774)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**10.770**	**.00049**	**.00145**	**6.046**	**-.00242**	**.00205**	**15.289**	**-.00013**	**.09716**
Stddev	.023	.00001	.00091	.001	.00002	.00164	.040	.00008	.00009
%RSD	.21372	2.2213	62.841	.0186	.98996	80.085	.26030	59.341	.09510
#1	10.754	.00048	.00081	6.045	-.00243	.00322	15.261	-.00018	.09722
#2	10.786	.00050	.00209	6.046	-.00240	.00089	15.317	-.00007	.09709
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Ti3349	Tl1908	V_2924	Zn2062
Line	334.904 {101}	190.856 {477}	292.402 {115}	206.200 {163}
IS Ref	(Y_3600)	(In2306)	(Y_3600)	(Y_3600)
Units	ppm	ppm	ppm	ppm
Avg	**.00039**	**.00130**	**.00196**	**.00123**
Stddev	.00005	.00057	.00018	.00019
%RSD	13.644	43.570	9.2671	15.705
#1	.00043	.00090	.00209	.00110
#2	.00035	.00170	.00183	.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	**3266.4**	**4976.6**	**65982.**	**14692.**
Stddev	1.3	6.6	45.	103.
%RSD	.03870	.13348	.06799	.70067
#1	3267.3	4981.3	65950.	14620.
#2	3265.5	4971.9	66013.	14765.

Sample Name: CCV Acquired: 3/13/2014 22:38:45 Type: QC
Method: ICAP1 New RLs at low cal point Mode: CONC Corr. Factor: 1.000000
User: AMH 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	**.51909**	**26.128**	**.52388**	**.50798**	**.52790**	**.50680**	**25.441**	**.52082**	**.51894**	**.51927**	**.53009**	**24.637**
Stddev	.00191	.038	.00056	.00072	.00078	.00006	.003	.00039	.00016	.00104	.00111	.033
%RSD	.36729	.14616	.10776	.14250	.14687	.01137	.01226	.07490	.03136	.19940	.20972	.13374
#1	.51774	26.101	.52428	.50747	.52845	.50684	25.443	.52055	.51905	.51854	.52930	24.613
#2	.52044	26.155	.52348	.50849	.52735	.50675	25.439	.52110	.51882	.52001	.53088	24.660
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	**26.419**	**26.053**	**.52634**	**26.148**	**.51947**	**.52620**	**26.772**	**.51268**	**.51813**	**26.66**	**.53750**	**.51707**
Stddev	.038	.214	.00007	.058	.00122	.00019	.031	.00035	.00022	.02	.00198	.00016
%RSD	.14384	.82246	.01284	.22152	.23564	.03529	.11759	.06803	.04181	.0594	.36854	.03012
#1	26.446	26.205	.52638	26.107	.51860	.52607	26.750	.51293	.51798	26.65	.53890	.51696
#2	26.392	25.902	.52629	26.189	.52033	.52633	26.794	.51244	.51829	26.67	.53610	.51718
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	**25.601**	**.54437**	**.52721**	**.54999**	**.51322**	**.53868**	**.53414**
Stddev	.098	.00017	.00003	.00129	.00463	.00105	.00073
%RSD	.38161	.03144	.00552	.23378	.90226	.19427	.13696
#1	25.531	.54449	.52723	.54909	.51650	.53794	.53466
#2	25.670	.54425	.52719	.55090	.50995	.53942	.53362
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	**3285.5**	**5065.4**	**67465.**	**14712.**
Stddev	1.2	.7	62.	3.
%RSD	.03678	.01401	.09175	.02181
#1	3284.7	5064.9	67508.	14714.
#2	3286.4	5065.9	67421.	14709.

Sample Name: CCB Acquired: 3/13/2014 22:41:31 Type: QC
Method: ICAP1 New RLs at low cal point Mode: CONC Corr. Factor: 1.000000
User: AMH 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	**.00014**	**-.00928**	**.00046**	**.00159**	**.00011**	**.00007**	**.03041**	**.00002**	**-.00001**	**-.00008**	**.00114**	**-.00081**
Stddev	.00041	.00646	.00049	.00044	.00003	.00001	.01610	.00004	.00004	.00009	.00016	.00247
%RSD	287.55	69.564	108.14	27.397	25.927	14.045	52.954	180.78	687.55	105.01	14.093	306.63
#1	-.00015	-.00472	.00081	.00190	.00013	.00007	.01902	.00005	.00002	-.00002	.00125	-.00255
#2	.00043	-.01385	.00011	.00129	.00009	.00008	.04179	-.00001	-.00003	-.00015	.00103	.00094
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	**.03881**	**.00531**	**.00126**	**.00634**	**.00006**	**-.00002**	**.05472**	**-.00041**	**.00097**	F **.0079**	**.00048**	**.00136**
Stddev	.03446	.00055	.00041	.00688	.00009	.00013	.01603	.00002	.00031	.0007	.00001	.00003
%RSD	88.806	10.309	32.395	108.60	136.53	859.30	29.295	3.9481	32.066	8.494	1.5390	2.0637
#1	.01444	.00570	.00097	.01120	.00000	-.00011	.04338	-.00040	.00119	.0083	.00048	.00138
#2	.06318	.00493	.00155	.00147	.00012	.00008	.06605	-.00042	.00075	.0074	.00049	.00134
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
High Limit										.0030		
Low Limit										-.0040		

Elem	Si2881	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.02783**	**-.00014**	**-.00009**	**.00020**	**.00110**	**.00020**	**.00022**
Stddev	.00776	.00023	.00003	.00005	.00216	.00007	.00047
%RSD	27.901	155.97	34.789	23.796	196.40	32.937	219.17
#1	.02234	.00001	-.00012	.00023	-.00043	.00015	.00055
#2	.03332	-.00030	-.00007	.00016	.00262	.00025	-.00012
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	**3590.8**	**5206.8**	**70096.**	**14716.**
Stddev	3.0	8.5	186.	108.
%RSD	.08468	.16323	.26487	.73201
#1	3592.9	5212.8	70228.	14640.
#2	3588.6	5200.7	69965.	14792.

Sample Name: CCVL Acquired: 3/13/2014 22:44:24 Type: QC
Method: ICAP1 New RLs at low cal point Mode: CONC Corr. Factor: 1.000000
User: AMH 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	**.00641**	**.20284**	**.01408**	**.02106**	**.00237**	**.00210**	**.50895**	**.00206**	**.00415**	**.00413**	**.01168**	**.04620**
Stddev	.00041	.00186	.00119	.00028	.00002	.00012	.00249	.00004	.00002	.00014	.00011	.00028
%RSD	6.4463	.91786	8.4426	1.3232	1.0349	5.5121	.48955	1.9205	.40738	3.2734	.95279	.61625
#1	.00670	.20153	.01492	.02086	.00235	.00202	.51072	.00209	.00416	.00423	.01161	.04599
#2	.00611	.20416	.01324	.02125	.00238	.00219	.50719	.00203	.00414	.00404	.01176	.04640
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	**.53948**	**.41677**	**.03143**	**.21467**	**.00339**	**.01014**	**1.0935**	**.01110**	**.01017**	**.2103**	**.01910**	**.02479**
Stddev	.00980	.00096	.00022	.00115	.00005	.00003	.0023	.00015	.00059	.0010	.00086	.00009
%RSD	1.8169	.23047	.69591	.53505	1.3724	.30091	.20712	1.3736	5.7969	.4594	4.5113	.34688
#1	.54641	.41745	.03158	.21548	.00342	.01016	1.0919	.01100	.01059	.2110	.01971	.02485
#2	.53255	.41609	.03127	.21386	.00335	.01012	1.0952	.01121	.00975	.2096	.01849	.02473
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	**.51407**	**.01114**	**.00492**	**.00521**	**.02069**	**.00560**	**.01011**
Stddev	.00593	.00024	.00005	.00014	.00111	.00017	.00001
%RSD	1.1540	2.1662	1.0447	2.6930	5.3849	2.9748	.11954
#1	.50987	.01131	.00496	.00531	.02147	.00548	.01012
#2	.51826	.01097	.00488	.00511	.01990	.00571	.01010
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	**3638.3**	**5291.4**	**70700.**	**14953.**
Stddev	5.1	7.1	145.	15.
%RSD	.14015	.13484	.20470	.10161
#1	3641.9	5296.5	70802.	14964.
#2	3634.7	5286.4	70598.	14942.

Sample Name: 480-55787-A-6-A Acquired: 3/13/2014 22:47:13 Type: Unk
Method: ICAP1 New RLs at low cal point Mode: CONC Corr. Factor: 1.000000
User: AMH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	B_2089	Ba4554-2	Be3130	Ca3179	Cd2288	Co2286
Line	328.068 {103}	308.215 {109}	189.042 {478}	208.959 {461}	455.403 { 74}2	313.042 {108}	317.933 {106}	228.802 {447}	228.616 {447}
IS Ref	(Y_3600)	(Y_3774)	(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**	**.01779**	**-.00117**	**.01107**	**.10143**	**.00007**	**129.24**	**.00031**	**.00380**
Stddev	.00013	.00776	.00074	.00024	.00019	.00006	.27	.00006	.00019
%RSD	58.328	43.654	62.785	2.1594	.18991	75.942	.21128	20.138	4.9155
#1	-.00031	.02328	-.00169	.01090	.10156	.00003	129.44	.00036	.00367
#2	-.00013	.01230	-.00065	.01124	.10129	.00011	129.05	.00027	.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	Cr2677	Cu3247	Fe2599	K_7664	K_7664-2	Li6707	Mg2790	Mn2576	Mo2020
Line	267.716 {126}	324.754 {104}	259.940 {130}	766.490 { 44}	766.490 { 44}2	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}
IS Ref	(Y_3600)	(Y_3600)	(Y_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**	**.01028**	**.02207**	**.51982**	**.56558**	**.00557**	**72.576**	**.00126**	**.00110**
Stddev	.00005	.00021	.00021	.01910	.00028	.00041	.265	.00003	.00001
%RSD	2.6310	2.0427	.95129	3.6747	.05030	7.3326	.36571	2.3825	.66019
#1	.00180	.01043	.02193	.50631	.56578	.00586	72.764	.00124	.00111
#2	.00187	.01013	.02222	.53332	.56538	.00528	72.389	.00128	.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	Na5895	Ni2316	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899	Sr4077
Line	589.592 { 57}	231.604 {446}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}2	189.989 {477}	407.771 { 83}
IS Ref	(Y_3774)	(In2306)	(In2306)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3774)	(In2306)	(Y_3774)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**10.075**	**.00743**	**.00161**	F **12.23**	**-.00115**	**.00145**	**12.323**	**-.00001**	**.12876**
Stddev	.027	.00041	.00069	.01	.00045	.00094	.061	.00031	.00003
%RSD	.27018	5.5825	42.989	.0492	39.470	64.539	.49825	3601.7	.02171
#1	10.094	.00714	.00112	12.22	-.00083	.00211	12.366	.00021	.12874
#2	10.055	.00772	.00209	12.23	-.00147	.00079	12.280	-.00023	.12878
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				9.000					
Low Limit				-.2000					

Elem	Ti3349	Tl1908	V_2924	Zn2062
Line	334.904 {101}	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**	**.00056**	**.00101**	**.01365**
Stddev	.00029	.00043	.00003	.00046
%RSD	49.581	77.069	2.5864	3.3695
#1	.00079	.00025	.00099	.01397
#2	.00038	.00086	.00103	.01332
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				
Low Limit				

Int. Std.	In2306	Y_2243	Y_3600	Y_3774
Line	230.606 {446}	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**3170.9**	**4861.9**	**65699.**	**14732.**
Stddev	1.9	.8	129.	29.
%RSD	.06096	.01561	.19578	.19382
#1	3172.2	4861.4	65608.	14711.
#2	3169.5	4862.4	65790.	14752.

Sample Name: 480-55787-A-7-A Acquired: 3/13/2014 22:50:01 Type: Unk
Method: ICAP1 New RLs at low cal point Mode: CONC Corr. Factor: 1.000000
User: AMH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	B_2089	Ba4554-2	Be3130	Ca3179	Cd2288	Co2286
Line	328.068 {103}	308.215 {109}	189.042 {478}	208.959 {461}	455.403 { 74}2	313.042 {108}	317.933 {106}	228.802 {447}	228.616 {447}
IS Ref	(Y_3600)	(Y_3774)	(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**	**-.00704**	**.00205**	**3.1376**	**.06550**	**.00002**	**120.05**	**.00025**	**.00827**
Stddev	.00113	.00985	.00098	.0041	.00012	.00003	.90	.00010	.00002
%RSD	3123.9	139.98	47.540	.13129	.18036	150.26	.75195	41.989	.19931
#1	.00077	-.00007	.00274	3.1347	.06559	.00004	119.41	.00032	.00828
#2	-.00084	-.01400	.00136	3.1405	.06542	-.00000	120.69	.00017	.00825
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Cr2677	Cu3247	Fe2599	K_7664	K_7664-2	Li6707	Mg2790	Mn2576	Mo2020
Line	267.716 {126}	324.754 {104}	259.940 {130}	766.490 { 44}	766.490 { 44}2	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}
IS Ref	(Y_3600)	(Y_3600)	(Y_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**	**.00741**	**.00213**	**1.7694**	**2.3250**	**.00377**	**64.623**	**.42842**	**.00021**
Stddev	.00004	.00003	.00114	.0190	.0008	.00059	.001	.00031	.00002
%RSD	3.5469	.34444	53.682	1.0750	.03502	15.638	.00155	.07199	9.9519
#1	.00110	.00743	.00293	1.7829	2.3256	.00335	64.622	.42864	.00019
#2	.00105	.00740	.00132	1.7560	2.3244	.00419	64.623	.42820	.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	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	**81.140**	**.03636**	**.00022**	F **24.89**	**-.00096**	**.00255**	**10.322**	**-.00020**	**.12850**
Stddev	.327	.00024	.00039	.02	.00030	.00286	.050	.00001	.00080
%RSD	.40258	.64639	176.96	.0616	30.948	112.23	.48577	6.0024	.62295
#1	80.909	.03620	.00050	24.88	-.00075	.00053	10.286	-.00020	.12793
#2	81.371	.03653	-.00006	24.90	-.00117	.00457	10.357	-.00021	.12906
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				9.000					
Low Limit				-.2000					

Elem	Ti3349	Tl1908	V_2924	Zn2062
Line	334.904 {101}	190.856 {477}	292.402 {115}	206.200 {163}
IS Ref	(Y_3600)	(In2306)	(Y_3600)	(Y_3600)
Units	ppm	ppm	ppm	ppm
Avg	**.00057**	**.00122**	**.00108**	**.00131**
Stddev	.00015	.00327	.00003	.00044
%RSD	26.085	267.68	2.6375	33.357
#1	.00046	.00354	.00110	.00100
#2	.00067	-.00109	.00106	.00162
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				
Low Limit				

Int. Std.	In2306	Y_2243	Y_3600	Y_3774
Line	230.606 {446}	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**3109.8**	**4825.5**	**64430.**	**14626.**
Stddev	1.9	.1	20.	87.
%RSD	.06127	.00263	.03050	.59461
#1	3111.1	4825.4	64443.	14688.
#2	3108.4	4825.6	64416.	14565.

Sample Name: 480-55787-A-8-A Acquired: 3/13/2014 22:52:46 Type: Unk
Method: ICAP1 New RLs at low cal point Mode: CONC Corr. Factor: 1.000000
User: AMH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	B_2089	Ba4554-2	Be3130	Ca3179	Cd2288	Co2286
Line	328.068 {103}	308.215 {109}	189.042 {478}	208.959 {461}	455.403 { 74}2	313.042 {108}	317.933 {106}	228.802 {447}	228.616 {447}
IS Ref	(Y_3600)	(Y_3774)	(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**	**.00310**	**.00540**	**.04405**	**.10239**	**.00002**	**88.112**	**.00019**	**.00481**
Stddev	.00007	.00169	.00255	.00058	.00001	.00002	.050	.00003	.00008
%RSD	21.273	54.519	47.287	1.3076	.01149	92.009	.05701	18.749	1.6729
#1	-.00036	.00190	.00359	.04445	.10238	.00001	88.147	.00021	.00487
#2	-.00026	.00429	.00720	.04364	.10239	.00003	88.076	.00016	.00475
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Cr2677	Cu3247	Fe2599	K_7664	K_7664-2	Li6707	Mg2790	Mn2576	Mo2020
Line	267.716 {126}	324.754 {104}	259.940 {130}	766.490 { 44}	766.490 { 44}2	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}
IS Ref	(Y_3600)	(Y_3600)	(Y_3774)	(Y_3774)	(Y_3774)	(Y_3774)	(Y_3600)	(Y_3600)	(Y_2243)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00056**	**.00413**	**.00764**	**3.3427**	**3.7370**	**.00433**	**50.910**	**.43812**	**.00002**
Stddev	.00002	.00016	.00143	.0013	.0012	.00024	.051	.00062	.00020
%RSD	4.0122	3.8761	18.690	.03757	.03294	5.5875	.09997	.14038	889.31
#1	.00054	.00402	.00663	3.3419	3.7361	.00450	50.946	.43855	.00017
#2	.00057	.00424	.00865	3.3436	3.7378	.00416	50.874	.43768	-.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	**18.382**	**.00236**	**.00097**	F **20.18**	**-.00234**	**.00192**	**9.1412**	**.00019**	**.09198**
Stddev	.041	.00019	.00076	.02	.00195	.00205	.0093	.00016	.00042
%RSD	.22282	8.1124	78.669	.1169	83.034	106.88	.10165	83.035	.45904
#1	18.410	.00223	.00150	20.20	-.00372	.00047	9.1477	.00008	.09228
#2	18.353	.00250	.00043	20.16	-.00097	.00336	9.1346	.00030	.09168
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				9.000					
Low Limit				-.2000					

Elem	Ti3349	Tl1908	V_2924	Zn2062
Line	334.904 {101}	190.856 {477}	292.402 {115}	206.200 {163}
IS Ref	(Y_3600)	(In2306)	(Y_3600)	(Y_3600)
Units	ppm	ppm	ppm	ppm
Avg	**.00027**	**.00115**	**.00027**	**.00096**
Stddev	.00022	.00103	.00012	.00014
%RSD	78.979	89.612	44.469	14.704
#1	.00012	.00188	.00036	.00106
#2	.00043	.00042	.00019	.00086
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				
Low Limit				

Int. Std.	In2306	Y_2243	Y_3600	Y_3774
Line	230.606 {446}	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**3235.4**	**4927.1**	**65372.**	**14650.**
Stddev	6.0	6.0	159.	12.
%RSD	.18411	.12186	.24365	.08523
#1	3231.2	4931.4	65259.	14659.
#2	3239.6	4922.9	65485.	14641.

Sample Name: 480-55787-A-9-A Acquired: 3/13/2014 22:55:32 Type: Unk
Method: ICAP1 New RLs at low cal point Mode: CONC Corr. Factor: 1.000000
User: AMH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	B_2089	Ba4554-2	Be3130	Ca3179	Cd2288	Co2286
Line	328.068 {103}	308.215 {109}	189.042 {478}	208.959 {461}	455.403 { 74}2	313.042 {108}	317.933 {106}	228.802 {447}	228.616 {447}
IS Ref	(Y_3600)	(Y_3774)	(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**	**.00401**	**.00216**	**.14608**	**.13277**	**.00002**	**107.87**	**.00015**	**.00173**
Stddev	.00058	.00073	.00057	.00018	.00018	.00002	.28	.00007	.00012
%RSD	185.35	18.236	26.593	.12044	.13310	95.592	.26092	48.599	7.0179
#1	.00072	.00453	.00256	.14620	.13265	.00003	108.06	.00010	.00181
#2	-.00010	.00350	.00175	.14595	.13290	.00001	107.67	.00020	.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	Cr2677	Cu3247	Fe2599	K_7664	K_7664-2	Li6707	Mg2790	Mn2576	Mo2020
Line	267.716 {126}	324.754 {104}	259.940 {130}	766.490 { 44}	766.490 { 44}2	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}
IS Ref	(Y_3600)	(Y_3600)	(Y_3774)	(Y_3774)	(Y_3774)	(Y_3774)	(Y_3600)	(Y_3600)	(Y_2243)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00160**	**.00487**	**.00385**	**5.7358**	**6.3239**	**.00316**	**38.997**	**.00429**	**.00027**
Stddev	.00007	.00001	.00149	.0017	.0436	.00052	.016	.00003	.00030
%RSD	4.5901	.18527	38.599	.02901	.68936	16.541	.04168	.65603	109.85
#1	.00155	.00486	.00490	5.7370	6.3548	.00353	39.009	.00431	.00006
#2	.00165	.00487	.00280	5.7346	6.2931	.00279	38.986	.00427	.00048
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Na5895	Ni2316	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899	Sr4077
Line	589.592 { 57}	231.604 {446}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}2	189.989 {477}	407.771 { 83}
IS Ref	(Y_3774)	(In2306)	(In2306)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3774)	(In2306)	(Y_3774)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**9.4887**	**.00148**	**.00140**	F **16.14**	**-.00047**	**.00418**	**7.8277**	**.00001**	**.20824**
Stddev	.0131	.00053	.00040	.02	.00101	.00077	.0176	.00000	.00075
%RSD	.13787	36.020	28.911	.0991	215.60	18.408	.22425	29.617	.36103
#1	9.4794	.00110	.00168	16.15	-.00118	.00364	7.8401	.00001	.20771
#2	9.4979	.00185	.00111	16.12	.00025	.00472	7.8152	.00001	.20877
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				9.000					
Low Limit				-.2000					

Elem	Ti3349	Tl1908	V_2924	Zn2062
Line	334.904 {101}	190.856 {477}	292.402 {115}	206.200 {163}
IS Ref	(Y_3600)	(In2306)	(Y_3600)	(Y_3600)
Units	ppm	ppm	ppm	ppm
Avg	**.00035**	**.00166**	**.00118**	**.00409**
Stddev	.00003	.00103	.00014	.00075
%RSD	9.8745	62.064	11.954	18.406
#1	.00032	.00239	.00128	.00462
#2	.00037	.00093	.00108	.00356
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				
Low Limit				

Int. Std.	In2306	Y_2243	Y_3600	Y_3774
Line	230.606 {446}	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**3246.7**	**4919.2**	**65227.**	**14614.**
Stddev	2.7	9.6	18.	51.
%RSD	.08389	.19516	.02685	.35086
#1	3248.6	4926.0	65214.	14578.
#2	3244.8	4912.4	65239.	14650.

Sample Name: 480-55787-A-10-A Acquired: 3/13/2014 22:58:18 Type: Unk
Method: ICAP1 New RLs at low cal point Mode: CONC Corr. Factor: 1.000000
User: AMH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	B_2089	Ba4554-2	Be3130	Ca3179	Cd2288	Co2286
Line	328.068 {103}	308.215 {109}	189.042 {478}	208.959 {461}	455.403 { 74}2	313.042 {108}	317.933 {106}	228.802 {447}	228.616 {447}
IS Ref	(Y_3600)	(Y_3774)	(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**	**.00422**	**.00053**	**1.2596**	**.06962**	**.00004**	**99.229**	**.00016**	**.00284**
Stddev	.00023	.00550	.00266	.0014	.00012	.00001	.041	.00017	.00004
%RSD	27.537	130.23	504.99	.11536	.17344	29.115	.04095	104.34	1.3026
#1	-.00098	.00811	.00241	1.2606	.06971	.00005	99.201	.00028	.00286
#2	-.00066	.00033	-.00136	1.2585	.06954	.00003	99.258	.00004	.00281
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Cr2677	Cu3247	Fe2599	K_7664	K_7664-2	Li6707	Mg2790	Mn2576	Mo2020
Line	267.716 {126}	324.754 {104}	259.940 {130}	766.490 { 44}	766.490 { 44}2	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}
IS Ref	(Y_3600)	(Y_3600)	(Y_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**	**.00681**	**.00422**	**1.5622**	**1.8046**	**.00399**	**63.792**	**.09179**	**.00022**
Stddev	.00016	.00033	.00078	.0253	.0093	.00024	.067	.00001	.00020
%RSD	28.898	4.8363	18.502	1.6172	.51552	6.1173	.10433	.01343	91.223
#1	.00065	.00704	.00367	1.5801	1.8112	.00416	63.745	.09178	.00008
#2	.00043	.00657	.00477	1.5443	1.7980	.00382	63.839	.09179	.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	**20.402**	**.00619**	**.00076**	F **24.40**	**-.00122**	**-.00049**	**9.9154**	**-.00010**	**.09620**
Stddev	.027	.00016	.00158	.04	.00095	.00103	.0168	.00036	.00035
%RSD	.13387	2.5430	208.21	.1674	77.747	209.20	.16938	350.58	.36800
#1	20.422	.00631	-.00036	24.43	-.00055	.00024	9.9273	.00015	.09645
#2	20.383	.00608	.00187	24.37	-.00189	-.00122	9.9035	-.00036	.09595
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				9.000					
Low Limit				-.2000					

Elem	Ti3349	Tl1908	V_2924	Zn2062
Line	334.904 {101}	190.856 {477}	292.402 {115}	206.200 {163}
IS Ref	(Y_3600)	(In2306)	(Y_3600)	(Y_3600)
Units	ppm	ppm	ppm	ppm
Avg	**.00068**	**.00044**	**.00082**	**.00251**
Stddev	.00018	.00105	.00003	.00021
%RSD	25.670	237.18	3.1676	8.2370
#1	.00056	-.00030	.00081	.00236
#2	.00081	.00119	.00084	.00265
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				
Low Limit				

Int. Std.	In2306	Y_2243	Y_3600	Y_3774
Line	230.606 {446}	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**3215.0**	**4908.7**	**65014.**	**14635.**
Stddev	3.5	.4	41.	34.
%RSD	.10864	.00884	.06338	.23380
#1	3217.5	4908.4	65043.	14659.
#2	3212.5	4909.1	64985.	14610.

Sample Name: 480-55787-A-11-A Acquired: 3/13/2014 23:01:03 Type: Unk
Method: ICAP1 New RLs at low cal point Mode: CONC Corr. Factor: 1.000000
User: AMH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	B_2089	Ba4554-2	Be3130	Ca3179	Cd2288	Co2286
Line	328.068 {103}	308.215 {109}	189.042 {478}	208.959 {461}	455.403 { 74}2	313.042 {108}	317.933 {106}	228.802 {447}	228.616 {447}
IS Ref	(Y_3600)	(Y_3774)	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3774)	(Y_3774)	(Y_2243)	(In2306)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00005**	**.01312**	**-.00161**	**.01601**	**.04191**	**-.00002**	**90.741**	**.00011**	**.00025**
Stddev	.00072	.00441	.00286	.00014	.00022	.00000	.166	.00004	.00001
%RSD	1445.2	33.602	177.83	.89365	.52002	9.8981	.18257	33.997	2.0087
#1	.00056	.01000	-.00363	.01612	.04176	-.00002	90.624	.00009	.00025
#2	-.00046	.01623	.00041	.01591	.04207	-.00002	90.858	.00014	.00025
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Cr2677	Cu3247	Fe2599	K_7664	K_7664-2	Li6707	Mg2790	Mn2576	Mo2020
Line	267.716 {126}	324.754 {104}	259.940 {130}	766.490 { 44}	766.490 { 44}2	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}
IS Ref	(Y_3600)	(Y_3600)	(Y_3774)	(Y_3774)	(Y_3774)	(Y_3774)	(Y_3600)	(Y_3600)	(Y_2243)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00241**	**.00417**	**.00179**	**.79641**	**.83188**	**.00376**	**51.763**	**.00097**	**.00012**
Stddev	.00006	.00010	.00397	.01905	.00287	.00062	.035	.00002	.00009
%RSD	2.5378	2.4191	221.69	2.3926	.34454	16.483	.06743	1.8238	75.892
#1	.00246	.00409	.00460	.78294	.82985	.00333	51.788	.00096	.00005
#2	.00237	.00424	-.00102	.80989	.83390	.00420	51.738	.00098	.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	**5.3227**	**.00058**	**.00040**	**2.402**	**-.00108**	**.00242**	**10.226**	**-.00007**	**.06631**
Stddev	.0146	.00029	.00041	.007	.00032	.00155	.017	.00016	.00019
%RSD	.27335	49.412	103.39	.2875	30.044	64.085	.16941	235.29	.28723
#1	5.3124	.00038	.00011	2.397	-.00085	.00351	10.214	.00004	.06617
#2	5.3330	.00078	.00069	2.407	-.00131	.00132	10.238	-.00018	.06644
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Ti3349	Tl1908	V_2924	Zn2062
Line	334.904 {101}	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**	**-.00122**	**.00038**	**.00989**
Stddev	.00027	.00157	.00005	.00007
%RSD	85.727	128.76	13.070	.67904
#1	.00012	-.00233	.00041	.00984
#2	.00050	-.00011	.00034	.00994
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				
Low Limit				

Int. Std.	In2306	Y_2243	Y_3600	Y_3774
Line	230.606 {446}	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**3260.1**	**4938.0**	**65621.**	**14646.**
Stddev	5.0	3.2	20.	2.
%RSD	.15270	.06491	.02982	.01291
#1	3256.6	4935.7	65607.	14648.
#2	3263.6	4940.3	65634.	14645.

Sample Name: 480-55787-A-12-A Acquired: 3/13/2014 23:03:51 Type: Unk
Method: ICAP1 New RLs at low cal point Mode: CONC Corr. Factor: 1.000000
User: AMH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	B_2089	Ba4554-2	Be3130	Ca3179	Cd2288	Co2286
Line	328.068 {103}	308.215 {109}	189.042 {478}	208.959 {461}	455.403 { 74}2	313.042 {108}	317.933 {106}	228.802 {447}	228.616 {447}
IS Ref	(Y_3600)	(Y_3774)	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3774)	(Y_3774)	(Y_2243)	(In2306)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00026**	**-.00565**	**.00014**	**.01836**	**.03706**	**.00001**	**59.097**	**.00007**	**.00488**
Stddev	.00039	.00690	.00074	.00004	.00015	.00001	.073	.00012	.00002
%RSD	150.17	122.19	528.28	.22633	.40155	116.65	.12379	170.75	.31284
#1	.00053	-.01053	.00067	.01839	.03695	.00000	59.045	-.00001	.00487
#2	-.00002	-.00077	-.00039	.01833	.03716	.00001	59.149	.00016	.00490
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Cr2677	Cu3247	Fe2599	K_7664	K_7664-2	Li6707	Mg2790	Mn2576	Mo2020
Line	267.716 {126}	324.754 {104}	259.940 {130}	766.490 { 44}	766.490 { 44}2	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}
IS Ref	(Y_3600)	(Y_3600)	(Y_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**	**.00420**	**.00116**	**1.3679**	**1.3652**	**.00321**	**34.006**	**.00027**	**-.00009**
Stddev	.00008	.00004	.00036	.0397	.0061	.00042	.049	.00000	.00014
%RSD	5.8332	.99962	30.994	2.9045	.44860	13.010	.14500	.57293	161.92
#1	.00136	.00417	.00141	1.3960	1.3696	.00291	33.971	.00027	.00001
#2	.00148	.00423	.00090	1.3398	1.3609	.00350	34.041	.00027	-.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	**4.2946**	**.00039**	**.00004**	**8.283**	**-.00130**	**.00085**	**7.7564**	**-.00056**	**.05210**
Stddev	.0024	.00016	.00060	.007	.00045	.00052	.0008	.00021	.00014
%RSD	.05515	42.515	1660.6	.0906	34.753	60.613	.01075	37.856	.26906
#1	4.2929	.00050	.00046	8.288	-.00098	.00122	7.7569	-.00041	.05219
#2	4.2963	.00027	-.00039	8.277	-.00161	.00049	7.7558	-.00071	.05200
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	**.00030**	**.00063**	**.00075**	**.00198**
Stddev	.00028	.00220	.00013	.00041
%RSD	95.041	350.54	16.738	20.508
#1	.00049	-.00093	.00084	.00170
#2	.00010	.00219	.00066	.00227
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				
Low Limit				

Int. Std.	In2306	Y_2243	Y_3600	Y_3774
Line	230.606 {446}	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**3337.7**	**5016.4**	**66564.**	**14842.**
Stddev	3.9	4.4	368.	8.
%RSD	.11711	.08835	.55289	.05689
#1	3340.5	5019.5	66825.	14848.
#2	3334.9	5013.3	66304.	14836.

Sample Name: 480-55775-A-1-A Acquired: 3/13/2014 23:06:38 Type: Unk
Method: ICAP1 New RLs at low cal point Mode: CONC Corr. Factor: 1.000000
User: AMH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	B_2089	Ba4554-2	Be3130	Ca3179	Cd2288	Co2286
Line	328.068 {103}	308.215 {109}	189.042 {478}	208.959 {461}	455.403 { 74}2	313.042 {108}	317.933 {106}	228.802 {447}	228.616 {447}
IS Ref	(Y_3600)	(Y_3774)	(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**	**.00091**	**.00254**	**.02530**	**.15384**	**.00001**	**100.49**	**.00031**	**.00134**
Stddev	.00049	.00405	.00165	.00009	.00060	.00003	.56	.00005	.00006
%RSD	222.22	444.30	64.989	.36932	.39293	229.33	.55415	15.279	4.5199
#1	.00057	-.00195	.00137	.02536	.15341	.00003	100.09	.00034	.00130
#2	-.00013	.00378	.00371	.02523	.15427	-.00001	100.88	.00027	.00138
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Cr2677	Cu3247	Fe2599	K_7664	K_7664-2	Li6707	Mg2790	Mn2576	Mo2020
Line	267.716 {126}	324.754 {104}	259.940 {130}	766.490 { 44}	766.490 { 44}2	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}
IS Ref	(Y_3600)	(Y_3600)	(Y_3774)	(Y_3774)	(Y_3774)	(Y_3774)	(Y_3600)	(Y_3600)	(Y_2243)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00073**	**.00294**	**.11247**	**2.0430**	**2.4477**	**.01636**	**75.385**	**.06396**	**.00210**
Stddev	.00003	.00021	.00482	.0156	.0129	.00052	.257	.00036	.00003
%RSD	3.5968	7.0938	4.2830	.76158	.52620	3.1703	.34040	.55974	1.6548
#1	.00075	.00279	.11587	2.0320	2.4385	.01673	75.203	.06370	.00208
#2	.00071	.00309	.10906	2.0540	2.4568	.01600	75.566	.06421	.00213
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	**29.218**	**.00233**	**.00029**	F **28.20**	**-.00252**	**-.00060**	**13.094**	**-.00011**	**.55794**
Stddev	.091	.00011	.00016	.05	.00013	.00269	.077	.00024	.00029
%RSD	.31079	4.5968	56.452	.1791	5.0453	447.06	.58722	219.75	.05225
#1	29.153	.00240	.00017	28.16	-.00261	.00130	13.040	-.00028	.55774
#2	29.282	.00225	.00041	28.23	-.00243	-.00250	13.148	.00006	.55815
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				9.000					
Low Limit				-.2000					

Elem	Ti3349	Tl1908	V_2924	Zn2062
Line	334.904 {101}	190.856 {477}	292.402 {115}	206.200 {163}
IS Ref	(Y_3600)	(In2306)	(Y_3600)	(Y_3600)
Units	ppm	ppm	ppm	ppm
Avg	**.00069**	**.00088**	**.00049**	**.00205**
Stddev	.00017	.00249	.00018	.00030
%RSD	24.757	282.08	36.497	14.447
#1	.00057	.00264	.00062	.00226
#2	.00081	-.00088	.00037	.00184
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				
Low Limit				

Int. Std.	In2306	Y_2243	Y_3600	Y_3774
Line	230.606 {446}	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**3186.6**	**4897.4**	**64243.**	**14535.**
Stddev	1.9	2.4	158.	107.
%RSD	.06087	.04826	.24539	.73565
#1	3188.0	4899.0	64354.	14611.
#2	3185.3	4895.7	64131.	14460.

Sample Name: 480-54879-B-2-B Acquired: 3/13/2014 23:09:24 Type: Unk
Method: ICAP1 New RLs at low cal point Mode: CONC Corr. Factor: 1.000000
User: AMH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	B_2089	Ba4554-2	Be3130	Ca3179	Cd2288	Co2286
Line	328.068 {103}	308.215 {109}	189.042 {478}	208.959 {461}	455.403 { 74}2	313.042 {108}	317.933 {106}	228.802 {447}	228.616 {447}
IS Ref	(Y_3600)	(Y_3774)	(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**	**.01016**	**.00108**	**.01202**	**.01925**	**.00019**	**.95795**	**.00021**	**.00117**
Stddev	.00032	.00467	.00242	.00006	.00003	.00002	.00612	.00002	.00001
%RSD	119.03	45.928	224.25	.49360	.16931	9.9891	.63920	7.3193	.98684
#1	.00004	.01346	.00279	.01198	.01923	.00020	.96228	.00022	.00118
#2	.00049	.00686	-.00063	.01207	.01927	.00018	.95362	.00020	.00117
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Cr2677	Cu3247	Fe2599	K_7664	K_7664-2	Li6707	Mg2790	Mn2576	Mo2020
Line	267.716 {126}	324.754 {104}	259.940 {130}	766.490 { 44}	766.490 { 44}2	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}
IS Ref	(Y_3600)	(Y_3600)	(Y_3774)	(Y_3774)	(Y_3774)	(Y_3774)	(Y_3600)	(Y_3600)	(Y_2243)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00005**	**.00202**	**-.00219**	**.88335**	**.70737**	**.00232**	**.56645**	**.00966**	**-.00012**
Stddev	.00004	.00001	.00103	.00904	.00183	.00105	.00034	.00008	.00012
%RSD	65.264	.53071	47.029	1.0238	.25851	45.219	.05940	.78515	105.00
#1	.00003	.00203	-.00146	.88974	.70866	.00158	.56668	.00960	-.00020
#2	.00008	.00201	-.00292	.87695	.70607	.00306	.56621	.00971	-.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	**4.3008**	**.00085**	**.00041**	**.0709**	**-.00133**	**.00062**	**3.9831**	**-.00007**	**.00337**
Stddev	.0101	.00024	.00034	.0007	.00094	.00066	.0012	.00024	.00009
%RSD	.23602	28.442	82.437	.9456	70.422	105.96	.03003	354.38	2.5697
#1	4.2936	.00102	.00065	.0704	-.00200	.00109	3.9822	-.00024	.00343
#2	4.3080	.00068	.00017	.0714	-.00067	.00016	3.9839	.00010	.00331
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**	**.00036**	**.00039**	**.00580**
Stddev	.00043	.00015	.00001	.00018
%RSD	4096.2	42.928	3.7398	3.1850
#1	.00032	.00025	.00037	.00567
#2	-.00030	.00047	.00040	.00593
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				
Low Limit				

Int. Std.	In2306	Y_2243	Y_3600	Y_3774
Line	230.606 {446}	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**3564.5**	**5174.4**	**69330.**	**14812.**
Stddev	2.5	4.5	166.	29.
%RSD	.07088	.08706	.23909	.19632
#1	3566.3	5177.6	69447.	14792.
#2	3562.7	5171.2	69213.	14833.

Sample Name: CCV Acquired: 3/13/2014 23:12:15 Type: QC
Method: ICAP1 New RLs at low cal point Mode: CONC Corr. Factor: 1.000000
User: AMH 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	**.52668**	**26.243**	**.51953**	**.50731**	**.52882**	**.50333**	**25.538**	**.52105**	**.51709**	**.53034**	**.54158**	**24.527**
Stddev	.00280	.021	.00167	.00053	.00004	.00113	.097	.00028	.00047	.00345	.00274	.165
%RSD	.53201	.07860	.32145	.10371	.00846	.22363	.38112	.05323	.09135	.65052	.50632	.67289
#1	.52470	26.258	.52071	.50768	.52885	.50254	25.469	.52125	.51743	.52790	.53964	24.410
#2	.52867	26.229	.51835	.50694	.52879	.50413	25.607	.52085	.51676	.53278	.54352	24.644
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	**26.593**	**26.349**	**.53180**	**26.380**	**.52272**	**.52570**	**27.050**	**.50729**	**.51580**	**26.66**	**.53866**	**.51479**
Stddev	.097	.364	.00094	.062	.00015	.00056	.086	.00026	.00061	.01	.00268	.00093
%RSD	.36442	1.3826	.17731	.23482	.02958	.10664	.31941	.05028	.11832	.0407	.49681	.18066
#1	26.662	26.091	.53247	26.336	.52283	.52530	27.111	.50711	.51537	26.65	.54055	.51414
#2	26.525	26.607	.53114	26.424	.52261	.52609	26.989	.50747	.51623	26.67	.53677	.51545
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	**25.651**	**.54279**	**.53086**	F **.55403**	**.51368**	F **.55054**	**.54120**
Stddev	.194	.00143	.00060	.00388	.00036	.00454	.00338
%RSD	.75536	.26372	.11243	.70022	.07104	.82519	.62468
#1	25.514	.54380	.53129	.55129	.51394	.54733	.53881
#2	25.788	.54177	.53044	.55677	.51342	.55375	.54360
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Fail	Chk Pass
Value				.50000		.50000	
Range				10.000%		10.000%	

Int. Std.	In2306	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**3263.4**	**5024.7**	**65902.**	**14457.**
Stddev	.7	.3	256.	74.
%RSD	.02231	.00553	.38815	.51019
#1	3262.9	5024.5	66082.	14510.
#2	3263.9	5024.9	65721.	14405.

Sample Name: CCB Acquired: 3/13/2014 23:15:02 Type: QC
Method: ICAP1 New RLs at low cal point Mode: CONC Corr. Factor: 1.000000
User: AMH 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	**.00011**	**-.01033**	**.00018**	**.00142**	**.00009**	**.00007**	**.01800**	**.00007**	**.00000**	**-.00003**	**.00146**	**-.00009**
Stddev	.00004	.00131	.00051	.00006	.00001	.00001	.00140	.00002	.00003	.00039	.00015	.00004
%RSD	41.265	12.725	274.44	4.0034	8.1266	8.7369	7.7617	31.448	1559.4	1242.0	10.494	47.320
#1	.00014	-.00940	.00054	.00146	.00010	.00006	.01701	.00009	.00003	.00025	.00157	-.00013
#2	.00008	-.01126	-.00017	.00138	.00009	.00007	.01899	.00006	-.00002	-.00031	.00135	-.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
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	**.02944**	**.00425**	**.00057**	**.00414**	**.00011**	**.00014**	**.02849**	**-.00019**	**.00021**	F **.0087**	**-.00167**	**-.00136**
Stddev	.00026	.00070	.00023	.00208	.00002	.00003	.00118	.00023	.00141	.0030	.00005	.00265
%RSD	.87102	16.393	40.494	50.345	13.805	18.428	4.1365	120.49	667.12	34.89	3.2415	195.79
#1	.02926	.00474	.00074	.00561	.00012	.00016	.02765	-.00003	.00121	.0108	-.00171	.00052
#2	.02962	.00375	.00041	.00267	.00010	.00012	.02932	-.00035	-.00079	.0065	-.00163	-.00323
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
High Limit										.0030		
Low Limit										-.0040		

Elem	Si2881	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.01889**	**-.00001**	**-.00004**	**.00004**	**.00268**	**.00033**	**.00051**
Stddev	.00168	.00013	.00002	.00020	.00107	.00013	.00026
%RSD	8.8763	1984.5	40.071	478.90	39.765	40.708	51.235
#1	.02008	-.00010	-.00005	-.00010	.00193	.00042	.00069
#2	.01771	.00009	-.00003	.00018	.00343	.00023	.00032
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	**3565.4**	**5141.1**	**69459.**	**14650.**
Stddev	2.0	.3	11.	29.
%RSD	.05484	.00558	.01635	.19617
#1	3566.8	5141.3	69451.	14670.
#2	3564.0	5140.9	69467.	14630.

Sample Name: CCVL Acquired: 3/13/2014 23:17:53 Type: QC
Method: ICAP1 New RLs at low cal point Mode: CONC Corr. Factor: 1.000000
User: AMH 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	**.00522**	**.20285**	**.01633**	**.02093**	**.00231**	**.00209**	**.49338**	**.00211**	**.00399**	**.00390**	**.01098**	**.04535**
Stddev	.00071	.01307	.00029	.00005	.00000	.00004	.00165	.00002	.00009	.00008	.00035	.00364
%RSD	13.577	6.4454	1.7510	.21589	.12031	2.1314	.33356	.97024	2.2980	2.1205	3.1960	8.0317
#1	.00572	.19360	.01653	.02090	.00231	.00212	.49454	.00210	.00393	.00396	.01073	.04792
#2	.00472	.21209	.01613	.02096	.00230	.00205	.49222	.00213	.00406	.00384	.01122	.04277
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	**.53000**	**.41449**	**.03069**	**.21290**	**.00340**	**.01030**	**1.0496**	**.01091**	**.00947**	**.2093**	**.01990**	**.02814**
Stddev	.00197	.00311	.00072	.00173	.00006	.00041	.0028	.00013	.00002	.0016	.00040	.00092
%RSD	.37243	.75141	2.3331	.81222	1.6731	3.9858	.26418	1.2153	.20713	.7808	2.0240	3.2548
#1	.52861	.41669	.03119	.21168	.00344	.01001	1.0515	.01082	.00949	.2082	.02018	.02879
#2	.53140	.41228	.03018	.21412	.00336	.01059	1.0476	.01100	.00946	.2105	.01961	.02750
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	**.50626**	**.01104**	**.00483**	**.00482**	**.02128**	**.00547**	**.00980**
Stddev	.00292	.00045	.00004	.00027	.00026	.00027	.00040
%RSD	.57637	4.0696	.88339	5.5534	1.2104	4.9949	4.1118
#1	.50832	.01072	.00486	.00463	.02109	.00528	.00952
#2	.50420	.01136	.00480	.00501	.02146	.00566	.01009
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	**3630.9**	**5218.4**	**71414.**	**14963.**
Stddev	2.1	12.4	138.	43.
%RSD	.05740	.23831	.19306	.28816
#1	3632.4	5227.2	71512.	14932.
#2	3629.5	5209.6	71317.	14993.

Sample Name: 480-54879-B-3-B Acquired: 3/13/2014 23:20:44 Type: Unk
Method: ICAP1 New RLs at low cal point Mode: CONC Corr. Factor: 1.000000
User: AMH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	B_2089	Ba4554-2	Be3130	Ca3179	Cd2288	Co2286
Line	328.068 {103}	308.215 {109}	189.042 {478}	208.959 {461}	455.403 { 74}2	313.042 {108}	317.933 {106}	228.802 {447}	228.616 {447}
IS Ref	(Y_3600)	(Y_3774)	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3774)	(Y_3774)	(Y_2243)	(In2306)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00023**	**.00749**	**.00099**	**.01051**	**.02276**	**.00003**	**70.913**	**.00006**	**-.00007**
Stddev	.00005	.00484	.00089	.00020	.00007	.00007	.386	.00000	.00005
%RSD	23.122	64.552	90.484	1.8815	.32941	223.48	.54418	3.9284	66.577
#1	.00019	.00407	.00162	.01065	.02281	.00009	71.186	.00006	-.00004
#2	.00027	.01091	.00036	.01037	.02271	-.00002	70.640	.00006	-.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	**.00101**	**.00134**	**-.00136**	**.79984**	**.81326**	**.00275**	**1.0796**	**.00038**	**.00051**
Stddev	.00003	.00006	.00009	.01142	.00038	.00019	.0042	.00006	.00002
%RSD	2.9943	4.7817	6.3702	1.4282	.04640	6.8308	.38411	15.360	4.3197
#1	.00099	.00138	-.00142	.79176	.81353	.00262	1.0826	.00042	.00050
#2	.00103	.00129	-.00130	.80791	.81300	.00288	1.0767	.00034	.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	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	**2.8617**	**.00040**	**.00043**	**.5127**	**-.00112**	**.00053**	**4.1400**	**.00017**	**.16851**
Stddev	.0140	.00006	.00016	.0013	.00039	.00567	.0403	.00016	.00137
%RSD	.48870	13.904	37.923	.2440	35.092	1075.4	.97279	93.917	.81273
#1	2.8716	.00044	.00031	.5118	-.00140	.00453	4.1685	.00029	.16948
#2	2.8519	.00036	.00054	.5136	-.00084	-.00348	4.1115	.00006	.16754
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	**.00028**	**-.00008**	**.00040**	**.00274**
Stddev	.00042	.00128	.00008	.00037
%RSD	149.13	1633.3	21.110	13.473
#1	.00058	.00083	.00046	.00300
#2	-.00002	-.00099	.00034	.00248
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				
Low Limit				

Int. Std.	In2306	Y_2243	Y_3600	Y_3774
Line	230.606 {446}	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**3398.4**	**4969.2**	**68811.**	**14874.**
Stddev	2.3	9.6	215.	71.
%RSD	.06726	.19380	.31188	.47965
#1	3400.1	4976.0	68659.	14824.
#2	3396.8	4962.4	68962.	14925.

Sample Name: 480-54885-D-9-E Acquired: 3/13/2014 23:23:33 Type: Unk
Method: ICAP1 New RLs at low cal point Mode: CONC Corr. Factor: 1.000000
User: AMH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	B_2089	Ba4554-2	Be3130	Ca3179	Cd2288	Co2286
Line	328.068 {103}	308.215 {109}	189.042 {478}	208.959 {461}	455.403 { 74}2	313.042 {108}	317.933 {106}	228.802 {447}	228.616 {447}
IS Ref	(Y_3600)	(Y_3774)	(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**	**.00750**	**.00136**	**.60509**	**.19405**	**-.00000**	**122.95**	**.00030**	**.00072**
Stddev	.00035	.00852	.00074	.00101	.00058	.00011	.45	.00011	.00002
%RSD	606.33	113.59	54.298	.16724	.29768	9361.0	.36755	35.149	2.6476
#1	.00019	.00148	.00084	.60437	.19446	.00007	123.27	.00037	.00073
#2	-.00031	.01352	.00189	.60581	.19364	-.00008	122.63	.00022	.00071
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Cr2677	Cu3247	Fe2599	K_7664	K_7664-2	Li6707	Mg2790	Mn2576	Mo2020
Line	267.716 {126}	324.754 {104}	259.940 {130}	766.490 { 44}	766.490 { 44}2	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}
IS Ref	(Y_3600)	(Y_3600)	(Y_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**	**.00140**	**.01745**	**14.464**	**20.828**	**.01737**	**60.537**	**.24590**	**.11517**
Stddev	.00047	.00014	.00092	.076	.050	.00114	.092	.00003	.00008
%RSD	34.180	10.180	5.2766	.52489	.24228	6.5830	.15279	.01370	.06595
#1	.00172	.00130	.01680	14.517	20.864	.01656	60.471	.24587	.11523
#2	.00105	.00150	.01810	14.410	20.792	.01818	60.602	.24592	.11512
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	**192.04**	**.02370**	**.00087**	F **122.3**	**-.00241**	**.00159**	**7.9472**	**-.00079**	**3.2517**
Stddev	.05	.00019	.00038	.3	.00149	.00054	.0625	.00079	.0095
%RSD	.02417	.79166	43.959	.2202	61.790	34.135	.78630	100.98	.29142
#1	192.01	.02357	.00060	122.5	-.00135	.00197	7.9914	-.00022	3.2450
#2	192.07	.02383	.00114	122.1	-.00346	.00120	7.9031	-.00135	3.2584
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				9.000					
Low Limit				-.2000					

Elem	Ti3349	Tl1908	V_2924	Zn2062
Line	334.904 {101}	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**	**.00084**	**.00010**	**.03460**
Stddev	.00009	.00332	.00021	.00030
%RSD	11.837	394.06	217.90	.85650
#1	.00068	.00319	-.00005	.03439
#2	.00081	-.00151	.00024	.03481
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				
Low Limit				

Int. Std.	In2306	Y_2243	Y_3600	Y_3774
Line	230.606 {446}	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**3015.1**	**4634.5**	**64818.**	**14584.**
Stddev	3.2	1.8	248.	15.
%RSD	.10451	.03909	.38314	.10256
#1	3017.4	4635.8	64642.	14574.
#2	3012.9	4633.2	64993.	14595.

Sample Name: 480-55812-G-1-A Acquired: 3/13/2014 23:26:36 Type: Unk
Method: ICAP1 New RLs at low cal point Mode: CONC Corr. Factor: 1.000000
User: AMH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	B_2089	Ba4554-2	Be3130	Ca3179	Cd2288	Co2286
Line	328.068 {103}	308.215 {109}	189.042 {478}	208.959 {461}	455.403 { 74}2	313.042 {108}	317.933 {106}	228.802 {447}	228.616 {447}
IS Ref	(Y_3600)	(Y_3774)	(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**	**.00458**	**.00043**	**.08126**	**.14491**	**-.00000**	**74.259**	**.00028**	**-.00001**
Stddev	.00025	.00846	.00234	.00021	.00005	.00010	.293	.00002	.00005
%RSD	92.438	184.75	541.07	.25395	.03325	19079.	.39489	6.4392	829.23
#1	.00045	-.00140	-.00122	.08141	.14494	-.00007	74.052	.00029	-.00004
#2	.00009	.01057	.00209	.08111	.14487	.00007	74.466	.00026	.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**	**.00084**	**1.2007**	**1.6102**	**1.7463**	**.01788**	**26.905**	**.08361**	**.01128**
Stddev	.00002	.00002	.0004	.0153	.0006	.00028	.105	.00011	.00003
%RSD	1.9903	1.9829	.03593	.94762	.03156	1.5753	.38956	.13660	.27252
#1	.00115	.00085	1.2010	1.6210	1.7460	.01808	26.979	.08369	.01125
#2	.00118	.00083	1.2004	1.5994	1.7467	.01768	26.831	.08353	.01130
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Na5895	Ni2316	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899	Sr4077
Line	589.592 { 57}	231.604 {446}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}2	189.989 {477}	407.771 { 83}
IS Ref	(Y_3774)	(In2306)	(In2306)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3774)	(In2306)	(Y_3774)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**10.070**	**-.00003**	**-.00006**	F **21.68**	**-.00118**	**.00171**	**7.3708**	**-.00016**	**.50746**
Stddev	.004	.00034	.00035	.01	.00196	.00084	.0421	.00021	.00014
%RSD	.03923	1066.0	543.29	.0344	165.72	49.016	.57160	133.70	.02792
#1	10.067	.00021	-.00031	21.69	.00020	.00112	7.3411	-.00031	.50736
#2	10.073	-.00027	.00018	21.68	-.00256	.00231	7.4006	-.00001	.50756
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				9.000					
Low Limit				-.2000					

Elem	Ti3349	Tl1908	V_2924	Zn2062
Line	334.904 {101}	190.856 {477}	292.402 {115}	206.200 {163}
IS Ref	(Y_3600)	(In2306)	(Y_3600)	(Y_3600)
Units	ppm	ppm	ppm	ppm
Avg	**.00084**	**-.00011**	**.00009**	**.00064**
Stddev	.00018	.00110	.00012	.00052
%RSD	21.324	964.03	139.91	80.040
#1	.00072	.00066	.00018	.00101
#2	.00097	-.00089	.00000	.00028
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				
Low Limit				

Int. Std.	In2306	Y_2243	Y_3600	Y_3774
Line	230.606 {446}	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**3316.2**	**4861.1**	**69216.**	**14858.**
Stddev	1.9	6.7	134.	52.
%RSD	.05660	.13773	.19354	.35314
#1	3314.9	4865.8	69122.	14895.
#2	3317.6	4856.3	69311.	14821.

Sample Name: 480-55812-G-2-A Acquired: 3/13/2014 23:29:23 Type: Unk
Method: ICAP1 New RLs at low cal point Mode: CONC Corr. Factor: 1.000000
User: AMH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	B_2089	Ba4554-2	Be3130	Ca3179	Cd2288	Co2286
Line	328.068 {103}	308.215 {109}	189.042 {478}	208.959 {461}	455.403 { 74}2	313.042 {108}	317.933 {106}	228.802 {447}	228.616 {447}
IS Ref	(Y_3600)	(Y_3774)	(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**	**.00458**	**-.00035**	**.01621**	**.04166**	**.00001**	**82.235**	**.00027**	**.00000**
Stddev	.00029	.00164	.00082	.00013	.00018	.00001	.447	.00008	.00003
%RSD	312.20	35.870	238.50	.78331	.42911	129.28	.54321	28.761	3461.5
#1	.00030	.00574	.00024	.01630	.04179	.00000	81.919	.00022	.00002
#2	-.00011	.00341	-.00093	.01612	.04154	.00002	82.551	.00033	-.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	**.00213**	**.00169**	**.00264**	**3.5355**	**4.4527**	**.02671**	**27.775**	**.00447**	**.00504**
Stddev	.00049	.00022	.00019	.0329	.0156	.00096	.114	.00005	.00030
%RSD	22.905	13.324	7.3413	.93167	.35056	3.5823	.40956	1.1450	5.8889
#1	.00247	.00185	.00250	3.5588	4.4637	.02604	27.855	.00451	.00525
#2	.00178	.00153	.00278	3.5122	4.4416	.02739	27.694	.00444	.00483
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Na8183	Ni2316	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899	Sr4077
Line	818.326 { 41}	231.604 {446}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}2	189.989 {477}	407.771 { 83}
IS Ref	(Y_3774)	(In2306)	(In2306)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3774)	(In2306)	(Y_3774)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**55.389**	**.00066**	**.00063**	F **70.85**	**-.00197**	**.00074**	**5.2066**	**-.00032**	**.36627**
Stddev	.010	.00055	.00102	.31	.00055	.00245	.0322	.00026	.00167
%RSD	.01727	83.889	161.51	.4377	27.942	329.05	.61859	82.314	.45677
#1	55.396	.00105	.00135	71.07	-.00158	-.00099	5.1838	-.00013	.36509
#2	55.382	.00027	-.00009	70.64	-.00236	.00248	5.2293	-.00051	.36745
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				9.000					
Low Limit				-.2000					

Elem	Ti3349	Tl1908	V_2924	Zn2062
Line	334.904 {101}	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**	**-.00134**	**.00097**	**.00302**
Stddev	.00012	.00076	.00044	.00018
%RSD	20.786	56.421	45.383	5.9521
#1	.00051	-.00081	.00128	.00315
#2	.00069	-.00188	.00066	.00290
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				
Low Limit				

Int. Std.	In2306	Y_2243	Y_3600	Y_3774
Line	230.606 {446}	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**3225.9**	**4773.6**	**67924.**	**14582.**
Stddev	2.1	3.5	292.	60.
%RSD	.06513	.07228	.43030	.40880
#1	3224.4	4771.2	67718.	14624.
#2	3227.4	4776.1	68131.	14539.

Sample Name: 480-55812-G-3-A Acquired: 3/13/2014 23:32:10 Type: Unk
Method: ICAP1 New RLs at low cal point Mode: CONC Corr. Factor: 1.000000
User: AMH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	B_2089	Ba4554-2	Be3130	Ca3179	Cd2288	Co2286
Line	328.068 {103}	308.215 {109}	189.042 {478}	208.959 {461}	455.403 { 74}2	313.042 {108}	317.933 {106}	228.802 {447}	228.616 {447}
IS Ref	(Y_3600)	(Y_3774)	(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**	**.00252**	**.00282**	**.06924**	**.14698**	**.00001**	**74.937**	**.00010**	**-.00018**
Stddev	.00026	.00483	.00002	.00032	.00001	.00005	.029	.00000	.00002
%RSD	119.96	191.93	.67658	.45722	.00347	609.06	.03858	4.8952	11.528
#1	-.00003	-.00090	.00281	.06946	.14698	-.00003	74.957	.00010	-.00020
#2	-.00040	.00593	.00283	.06901	.14698	.00004	74.916	.00009	-.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	**.00059**	**.00063**	**1.6906**	**1.3041**	**1.4428**	**.01985**	**27.749**	**.09073**	**.00852**
Stddev	.00008	.00030	.0052	.0290	.0140	.00036	.026	.00017	.00015
%RSD	14.180	48.048	.30475	2.2212	.97238	1.7921	.09272	.18825	1.7080
#1	.00053	.00084	1.6870	1.3246	1.4329	.01960	27.767	.09061	.00841
#2	.00065	.00041	1.6943	1.2836	1.4527	.02010	27.731	.09085	.00862
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	**9.2280**	**-.00007**	**.00102**	F **21.34**	**-.00108**	**.00159**	**7.0252**	**.00014**	**.53281**
Stddev	.0053	.00021	.00115	.02	.00127	.00135	.0051	.00035	.00075
%RSD	.05739	282.62	112.41	.0990	116.89	84.831	.07206	244.36	.14048
#1	9.2242	-.00022	.00021	21.33	-.00019	.00064	7.0216	.00039	.53333
#2	9.2317	.00007	.00183	21.36	-.00198	.00254	7.0288	-.00010	.53228
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				9.000					
Low Limit				-.2000					

Elem	Ti3349	Tl1908	V_2924	Zn2062
Line	334.904 {101}	190.856 {477}	292.402 {115}	206.200 {163}
IS Ref	(Y_3600)	(In2306)	(Y_3600)	(Y_3600)
Units	ppm	ppm	ppm	ppm
Avg	**.00037**	**-.00210**	**-.00019**	**.00126**
Stddev	.00007	.00106	.00000	.00095
%RSD	17.946	50.663	.42258	75.665
#1	.00042	-.00286	-.00019	.00059
#2	.00033	-.00135	-.00019	.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	**3314.4**	**4820.2**	**69947.**	**14865.**
Stddev	1.5	3.0	269.	11.
%RSD	.04563	.06195	.38509	.07197
#1	3315.4	4822.3	69757.	14873.
#2	3313.3	4818.0	70138.	14858.

Sample Name: 480-55812-G-4-A Acquired: 3/13/2014 23:34:56 Type: Unk
Method: ICAP1 New RLs at low cal point Mode: CONC Corr. Factor: 1.000000
User: AMH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	B_2089	Ba4554-2	Be3130	Ca3179	Cd2288	Co2286
Line	328.068 {103}	308.215 {109}	189.042 {478}	208.959 {461}	455.403 { 74}2	313.042 {108}	317.933 {106}	228.802 {447}	228.616 {447}
IS Ref	(Y_3600)	(Y_3774)	(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**	**.02241**	**.00306**	**.03072**	**.10693**	**.00001**	**174.48**	**.00134**	**.00035**
Stddev	.00031	.00040	.00040	.00002	.00002	.00005	1.13	.00001	.00002
%RSD	157.83	1.7670	13.084	.05221	.02102	438.92	.64733	.68329	6.6433
#1	-.00042	.02269	.00335	.03073	.10692	-.00002	175.28	.00133	.00033
#2	.00002	.02213	.00278	.03071	.10695	.00005	173.68	.00134	.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	**.00117**	**.00405**	**.02691**	**1.3706**	**2.1929**	**.02062**	**46.277**	**.02908**	**.00130**
Stddev	.00026	.00020	.00171	.0258	.0217	.00016	.060	.00006	.00001
%RSD	22.366	5.0023	6.3579	1.8837	.98940	.76475	.12928	.21060	.42847
#1	.00135	.00390	.02812	1.3889	2.2083	.02051	46.235	.02903	.00129
#2	.00098	.00419	.02570	1.3523	2.1776	.02073	46.319	.02912	.00130
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	**244.92**	**.00228**	**.00057**	F **38.87**	**-.00178**	**.00238**	**5.8213**	**.00073**	**.34348**
Stddev	.50	.00000	.00072	.00	.00253	.00100	.0119	.00022	.00054
%RSD	.20332	.12735	127.84	.0037	141.90	41.840	.20471	29.705	.15707
#1	245.27	.00228	.00005	38.87	-.00357	.00168	5.8129	.00088	.34386
#2	244.56	.00228	.00108	38.87	.00001	.00308	5.8297	.00057	.34310
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				9.000					
Low Limit				-.2000					

Elem	Ti3349	Tl1908	V_2924	Zn2062
Line	334.904 {101}	190.856 {477}	292.402 {115}	206.200 {163}
IS Ref	(Y_3600)	(In2306)	(Y_3600)	(Y_3600)
Units	ppm	ppm	ppm	ppm
Avg	**.00083**	**.00206**	**.00011**	**.01068**
Stddev	.00060	.00160	.00002	.00036
%RSD	72.509	77.749	19.570	3.3539
#1	.00041	.00093	.00010	.01043
#2	.00126	.00319	.00013	.01093
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				
Low Limit				

Int. Std.	In2306	Y_2243	Y_3600	Y_3774
Line	230.606 {446}	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**2971.7**	**4590.6**	**65589.**	**14615.**
Stddev	4.3	7.1	88.	96.
%RSD	.14432	.15472	.13403	.65404
#1	2974.8	4595.6	65651.	14547.
#2	2968.7	4585.6	65527.	14682.

Sample Name: MB 480-169698/1-A Acquired: 3/13/2014 23:37:54 Type: Unk
Method: ICAP1 New RLs at low cal point Mode: CONC Corr. Factor: 1.000000
User: AMH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	B_2089	Ba4554-2	Be3130	Ca3179	Cd2288	Co2286
Line	328.068 {103}	308.215 {109}	189.042 {478}	208.959 {461}	455.403 { 74}2	313.042 {108}	317.933 {106}	228.802 {447}	228.616 {447}
IS Ref	(Y_3600)	(Y_3774)	(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**	**.01721**	F **.19927**	F **.03404**	**.00042**	**.00009**	**.09728**	F **.00520**	F **-.00526**
Stddev	.00062	.00244	.11665	.01753	.00002	.00002	.07243	.00280	.00345
%RSD	264.24	14.192	58.536	51.485	4.2450	22.124	74.455	53.809	65.612
#1	-.00020	.01548	.11679	.02165	.00041	.00008	.14849	.00322	-.00282
#2	.00068	.01894	.28175	.04644	.00043	.00011	.04606	.00718	-.00770
Check ?	Chk Pass	Chk Pass	Chk Fail	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Fail
High Limit			.01000	.02000				.00100	.00400
Low Limit			-.00500	-.00800				-.00150	-.00300

Elem	Cr2677	Cu3247	Fe2599	K_7664	K_7664-2	Li6707	Mg2790	Mn2576	Mo2020
Line	267.716 {126}	324.754 {104}	259.940 {130}	766.490 { 44}	766.490 { 44}2	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}
IS Ref	(Y_3600)	(Y_3600)	(Y_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**	**-.00030**	**.00186**	**.01646**	**.00088**	**.00021**	**.01267**	**-.00009**	F **.01388**
Stddev	.00050	.00018	.00135	.02514	.00004	.00062	.00001	.00007	.00876
%RSD	32.647	61.429	72.362	152.71	4.1407	288.42	.05092	76.555	63.084
#1	.00117	-.00017	.00091	-.00131	.00090	.00065	.01267	-.00014	.00769
#2	.00187	-.00043	.00282	.03424	.00085	-.00022	.01267	-.00004	.02007
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail
High Limit									.00462
Low Limit									-.00500

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	**.15194**	F **-.00402**	F **.03569**	^ *****	**-.00613**	F **.09849**	**.00622**	F **.02687**	**.00037**
Stddev	.08192	.00033	.01782	-----	.00708	.05451	.01433	.01400	.00041
%RSD	53.917	8.1810	49.920	-----	115.50	55.346	230.35	52.087	111.36
#1	.20987	-.00379	.02309	^ -----	-.00112	.05995	-.00391	.01698	.00066
#2	.09401	-.00426	.04829	54.12	-.01113	.13704	.01636	.03677	.00008
Check ?	Chk Pass	Chk Fail	Chk Fail	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Fail	Chk Pass
High Limit		.01000	.00500			.01500		.01000	
Low Limit		-.00300	-.00400			-.01000		-.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	**.00006**	F **.04217**	**.00076**	**.00181**
Stddev	.00005	.01497	.00007	.00029
%RSD	74.320	35.499	9.2537	16.140
#1	.00010	.03158	.00071	.00201
#2	.00003	.05275	.00082	.00160
Check ?	Chk Pass	Chk Fail	Chk Pass	Chk Pass
High Limit		.02000		
Low Limit		-.01000		

Int. Std.	In2306	Y_2243	Y_3600	Y_3774
Line	230.606 {446}	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**3269.6**	**4664.6**	**70248.**	**14952.**
Stddev	57.5	38.6	464.	234.
%RSD	1.7572	.82857	.66049	1.5658
#1	3310.3	4691.9	70576.	15118.
#2	3229.0	4637.3	69920.	14787.

Sample Name: LCS 480-169698/2-A Acquired: 3/13/2014 23:40:34 Type: Unk
Method: ICAP1 New RLs at low cal point Mode: CONC Corr. Factor: 1.000000
User: AMH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	B_2089	Ba4554-2	Be3130	Ca3179	Cd2288	Co2286
Line	328.068 {103}	308.215 {109}	189.042 {478}	208.959 {461}	455.403 { 74}2	313.042 {108}	317.933 {106}	228.802 {447}	228.616 {447}
IS Ref	(Y_3600)	(Y_3774)	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3774)	(Y_3774)	(Y_2243)	(In2306)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.05023**	**10.201**	**.21319**	**.20709**	**.20828**	**.20799**	**9.8268**	**.20719**	**.20256**
Stddev	.00009	.013	.00170	.00046	.00031	.00076	.0425	.00003	.00001
%RSD	.17023	.12955	.79614	.22385	.14784	.36511	.43217	.01341	.00433
#1	.05029	10.192	.21199	.20677	.20850	.20746	9.7967	.20717	.20256
#2	.05017	10.210	.21439	.20742	.20806	.20853	9.8568	.20721	.20255
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Cr2677	Cu3247	Fe2599	K_7664	K_7664-2	Li6707	Mg2790	Mn2576	Mo2020
Line	267.716 {126}	324.754 {104}	259.940 {130}	766.490 { 44}	766.490 { 44}2	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}
IS Ref	(Y_3600)	(Y_3600)	(Y_3774)	(Y_3774)	(Y_3774)	(Y_3774)	(Y_3600)	(Y_3600)	(Y_2243)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.20036**	**.20902**	**10.048**	**10.191**	**9.7824**	**.20985**	**10.362**	**.20551**	**.20928**
Stddev	.00149	.00091	.017	.022	.0336	.00028	.033	.00015	.00011
%RSD	.74310	.43421	.16716	.21510	.34372	.13308	.32222	.07401	.05339
#1	.20141	.20967	10.036	10.176	9.7586	.20965	10.338	.20540	.20920
#2	.19931	.20838	10.060	10.207	9.8062	.21004	10.385	.20561	.20936
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Na5895	Ni2316	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899	Sr4077
Line	589.592 { 57}	231.604 {446}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}2	189.989 {477}	407.771 { 83}
IS Ref	(Y_3774)	(In2306)	(In2306)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3774)	(In2306)	(Y_3774)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**10.117**	**.20771**	**.20151**	**9.944**	**.20313**	**.21019**	**9.8815**	**.19597**	**.20328**
Stddev	.027	.00037	.00009	.007	.00048	.00521	.0391	.00031	.00034
%RSD	.26733	.17800	.04464	.0682	.23865	2.4777	.39617	.15764	.16723
#1	10.098	.20797	.20145	9.939	.20279	.20651	9.8538	.19575	.20304
#2	10.136	.20745	.20158	9.949	.20347	.21388	9.9092	.19619	.20352
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	**.19736**	**.20386**	**.20489**	**.19699**
Stddev	.00086	.00049	.00016	.00025
%RSD	.43812	.24131	.07751	.12783
#1	.19675	.20351	.20478	.19681
#2	.19797	.20420	.20501	.19717
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				
Low Limit				

Int. Std.	In2306	Y_2243	Y_3600	Y_3774
Line	230.606 {446}	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**3471.0**	**5086.0**	**71528.**	**15068.**
Stddev	2.1	.2	98.	11.
%RSD	.06085	.00315	.13713	.07167
#1	3472.5	5086.1	71459.	15076.
#2	3469.5	5085.9	71597.	15061.

Sample Name: 480-55779-D-1-A Acquired: 3/13/2014 23:43:19 Type: Unk
Method: ICAP1 New RLs at low cal point Mode: CONC Corr. Factor: 1.000000
User: AMH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	B_2089	Ba4554-2	Be3130	Ca3179	Cd2288	Co2286
Line	328.068 {103}	308.215 {109}	189.042 {478}	208.959 {461}	455.403 { 74}2	313.042 {108}	317.933 {106}	228.802 {447}	228.616 {447}
IS Ref	(Y_3600)	(Y_3774)	(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**	**.07291**	**.00137**	**.09486**	**.26350**	**.00000**	**101.90**	**.00018**	**-.00008**
Stddev	.00001	.00469	.00002	.00008	.00037	.00002	.12	.00001	.00009
%RSD	3.7436	6.4387	1.4190	.08757	.13948	469.94	.11974	4.6935	113.40
#1	-.00033	.07623	.00136	.09480	.26376	-.00001	101.81	.00018	-.00015
#2	-.00031	.06960	.00139	.09492	.26324	.00002	101.99	.00019	-.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	**.00180**	**.00181**	**.04755**	**1.4960**	**1.6759**	**.02374**	**31.904**	**.00106**	**.00108**
Stddev	.00028	.00004	.00046	.0129	.0019	.00065	.053	.00002	.00009
%RSD	15.654	1.9306	.97491	.85876	.11603	2.7169	.16629	1.9372	8.1477
#1	.00200	.00179	.04788	1.4869	1.6745	.02420	31.867	.00105	.00115
#2	.00160	.00184	.04722	1.5051	1.6772	.02329	31.942	.00108	.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	**17.080**	**.00095**	**.00089**	F **9.043**	**-.00236**	**.00191**	**10.358**	**.00000**	**.72885**
Stddev	.004	.00021	.00120	.008	.00110	.00224	.009	.00066	.00113
%RSD	.02637	21.903	133.60	.0876	46.556	117.27	.08246	36457.	.15524
#1	17.083	.00080	.00005	9.049	-.00158	.00033	10.364	.00047	.72805
#2	17.076	.00110	.00174	9.038	-.00313	.00350	10.352	-.00046	.72965
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				9.000					
Low Limit				-.2000					

Elem	Ti3349	Tl1908	V_2924	Zn2062
Line	334.904 {101}	190.856 {477}	292.402 {115}	206.200 {163}
IS Ref	(Y_3600)	(In2306)	(Y_3600)	(Y_3600)
Units	ppm	ppm	ppm	ppm
Avg	**.00190**	**.00090**	**.00065**	**.00157**
Stddev	.00030	.00147	.00027	.00023
%RSD	15.910	163.27	40.972	14.705
#1	.00211	-.00014	.00084	.00173
#2	.00169	.00194	.00046	.00141
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				
Low Limit				

Int. Std.	In2306	Y_2243	Y_3600	Y_3774
Line	230.606 {446}	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**3284.7**	**4921.4**	**68260.**	**14633.**
Stddev	6.7	.5	70.	18.
%RSD	.20412	.01097	.10326	.12329
#1	3289.4	4921.0	68211.	14645.
#2	3280.0	4921.8	68310.	14620.

Sample Name: CCV Acquired: 3/13/2014 23:46:07 Type: QC
Method: ICAP1 New RLs at low cal point Mode: CONC Corr. Factor: 1.000000
User: AMH 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	**.51488**	**26.036**	**.53083**	**.51412**	**.53162**	**.51825**	**25.363**	**.52109**	**.51770**	**.51728**	**.52617**	**25.181**
Stddev	.00293	.011	.00218	.00061	.00004	.00111	.038	.00023	.00040	.00518	.00375	.011
%RSD	.56921	.04060	.41058	.11903	.00766	.21388	.15064	.04479	.07780	1.0006	.71194	.04330
#1	.51281	26.044	.53237	.51455	.53165	.51903	25.336	.52126	.51741	.51362	.52352	25.188
#2	.51696	26.029	.52928	.51369	.53159	.51746	25.390	.52093	.51798	.52094	.52882	25.173
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	**26.442**	**26.261**	**.53055**	**25.832**	**.52298**	**.52582**	**26.265**	**.51747**	**.51830**	**25.62**	**.52539**	**.52502**
Stddev	.027	.173	.00244	.069	.00171	.00013	.055	.00019	.00287	.00	.00060	.00313
%RSD	.10112	.65906	.46030	.26520	.32715	.02406	.21037	.03622	.55419	.0124	.11477	.59672
#1	26.423	26.383	.52883	25.784	.52177	.52591	26.226	.51760	.51627	25.62	.52581	.52280
#2	26.461	26.138	.53228	25.881	.52419	.52573	26.304	.51734	.52033	25.62	.52496	.52723
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	**25.145**	**.52964**	**.52320**	**.52458**	**.51388**	**.51864**	**.51613**
Stddev	.098	.00102	.00062	.00117	.00076	.00435	.00494
%RSD	.38943	.19279	.11839	.22209	.14806	.83800	.95711
#1	25.076	.52892	.52364	.52376	.51441	.51556	.51263
#2	25.214	.53036	.52276	.52541	.51334	.52171	.51962
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	**3301.6**	**5040.3**	**68755.**	**14676.**
Stddev	3.2	6.7	285.	20.
%RSD	.09553	.13274	.41428	.13378
#1	3299.3	5035.6	68957.	14663.
#2	3303.8	5045.1	68554.	14690.

Sample Name: CCB Acquired: 3/13/2014 23:48:53 Type: QC
Method: ICAP1 New RLs at low cal point Mode: CONC Corr. Factor: 1.000000
User: AMH 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	**.00016**	**.01099**	**-.00011**	**.00111**	**.00009**	**-.00002**	**.01458**	**-.00001**	**-.00002**	**-.00030**	**.00057**	**.00031**
Stddev	.00056	.00591	.00059	.00013	.00000	.00004	.00032	.00005	.00011	.00058	.00011	.00241
%RSD	361.71	53.750	549.26	11.973	2.5551	201.96	2.1851	779.90	648.22	190.78	19.099	783.41
#1	-.00024	.00682	.00031	.00102	.00008	-.00005	.01435	-.00004	-.00009	-.00071	.00050	-.00139
#2	.00055	.01517	-.00052	.00121	.00009	.00001	.01480	.00003	.00006	.00011	.00065	.00201
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	**.01860**	**.00467**	**.00030**	**.00321**	**.00008**	**.00013**	**.02102**	**-.00045**	**.00101**	F **.0085**	**-.00189**	**-.00000**
Stddev	.01776	.00084	.00048	.00431	.00001	.00003	.01111	.00005	.00001	.0028	.00029	.00013
%RSD	95.460	17.906	158.51	134.09	12.299	27.466	52.875	10.764	.81969	33.46	15.322	11668.
#1	.03116	.00527	.00064	.00626	.00009	.00015	.02887	-.00049	.00102	.0065	-.00209	.00009
#2	.00605	.00408	-.00004	.00017	.00008	.00010	.01316	-.00042	.00101	.0105	-.00168	-.00009
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
High Limit										.0030		
Low Limit										-.0040		

Elem	Si2881	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.02087**	**.00035**	**-.00008**	**.00001**	**.00029**	**.00020**	**-.00001**
Stddev	.00123	.00025	.00009	.00036	.00170	.00016	.00068
%RSD	5.9014	73.057	113.36	3517.0	578.76	79.874	4730.6
#1	.02174	.00053	-.00002	-.00025	-.00091	.00009	.00046
#2	.02000	.00017	-.00015	.00027	.00149	.00031	-.00049
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	**3614.6**	**5193.4**	**71477.**	**14664.**
Stddev	3.5	1.9	36.	50.
%RSD	.09577	.03646	.05035	.34318
#1	3617.0	5192.0	71452.	14700.
#2	3612.1	5194.7	71502.	14629.

Sample Name: CCVL Acquired: 3/13/2014 23:51:45 Type: QC
Method: ICAP1 New RLs at low cal point Mode: CONC Corr. Factor: 1.000000
User: AMH 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	**.00591**	**.21714**	**.01358**	**.02108**	**.00235**	**.00209**	**.51788**	**.00203**	**.00415**	**.00395**	**.01107**	**.04630**
Stddev	.00025	.01147	.00098	.00002	.00002	.00002	.00675	.00003	.00002	.00053	.00040	.00282
%RSD	4.2570	5.2836	7.2153	.09599	.92313	.76767	1.3036	1.6634	.39920	13.406	3.5762	6.1003
#1	.00573	.22525	.01427	.02110	.00233	.00211	.52265	.00201	.00417	.00358	.01079	.04430
#2	.00609	.20903	.01289	.02107	.00236	.00208	.51310	.00206	.00414	.00433	.01135	.04830
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	**.52136**	**.42687**	**.03132**	**.21226**	**.00347**	**.01019**	**1.0647**	**.01073**	**.01129**	**.1956**	**.01939**	**.02269**
Stddev	.00576	.00100	.00006	.00040	.00003	.00034	.0039	.00007	.00010	.0032	.00130	.00043
%RSD	1.1056	.23476	.20044	.18819	.86235	3.3024	.36246	.64010	.87023	1.651	6.7132	1.8824
#1	.51728	.42758	.03127	.21254	.00345	.00995	1.0674	.01068	.01136	.1934	.01847	.02299
#2	.52543	.42616	.03136	.21198	.00349	.01043	1.0620	.01078	.01122	.1979	.02031	.02239
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	**.52032**	**.01063**	**.00508**	**.00494**	**.02183**	**.00536**	**.01011**
Stddev	.00790	.00016	.00007	.00049	.00005	.00033	.00014
%RSD	1.5176	1.5519	1.3169	9.8814	.22129	6.2008	1.4089
#1	.51474	.01074	.00503	.00459	.02187	.00513	.01021
#2	.52591	.01051	.00512	.00528	.02180	.00560	.01001
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	**3662.5**	**5298.6**	**72046.**	**14746.**
Stddev	5.6	11.9	421.	10.
%RSD	.15247	.22467	.58418	.06822
#1	3666.4	5307.0	72343.	14739.
#2	3658.5	5290.2	71748.	14753.

Sample Name: 480-55779-D-1-A SD@5 Acquired: 3/13/2014 23:54:36 Type: Unk
Method: ICAP1 New RLs at low cal point Mode: CONC Corr. Factor: 1.000000
User: AMH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	B_2089	Ba4554-2	Be3130	Ca3179	Cd2288	Co2286
Line	328.068 {103}	308.215 {109}	189.042 {478}	208.959 {461}	455.403 { 74}2	313.042 {108}	317.933 {106}	228.802 {447}	228.616 {447}
IS Ref	(Y_3600)	(Y_3774)	(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**	**.01740**	**.00133**	**.01895**	**.05508**	**.00005**	**21.077**	**.00001**	**.00000**
Stddev	.00014	.00943	.00263	.00001	.00024	.00003	.113	.00004	.00002
%RSD	21.048	54.237	197.24	.06070	.43071	50.656	.53678	749.83	457.31
#1	-.00057	.01072	-.00053	.01896	.05524	.00003	20.997	-.00003	-.00001
#2	-.00077	.02407	.00319	.01894	.05491	.00007	21.157	.00004	.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	**.00038**	**.00132**	**.00574**	**.32035**	**.26132**	**.00481**	**6.5151**	**.00032**	**.00010**
Stddev	.00020	.00022	.00174	.03694	.00224	.00006	.0191	.00005	.00010
%RSD	53.625	16.794	30.340	11.532	.85629	1.2243	.29246	15.065	98.252
#1	.00052	.00116	.00698	.29423	.25974	.00477	6.5286	.00035	.00003
#2	.00024	.00148	.00451	.34647	.26290	.00485	6.5017	.00028	.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	**3.4847**	**.00011**	**.00004**	**1.793**	**-.00153**	**.00059**	**2.0946**	**.00008**	**.14915**
Stddev	.0177	.00020	.00067	.008	.00058	.00456	.0134	.00002	.00036
%RSD	.50776	179.04	1822.6	.4397	37.721	767.55	.63870	25.393	.24110
#1	3.4721	-.00003	.00051	1.799	-.00112	.00381	2.0851	.00006	.14890
#2	3.4972	.00025	-.00043	1.787	-.00194	-.00263	2.1040	.00009	.14941
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	**.00038**	**.00040**	**.00025**	**.00011**
Stddev	.00010	.00242	.00019	.00026
%RSD	26.287	611.17	76.205	241.39
#1	.00031	.00211	.00038	.00029
#2	.00045	-.00131	.00011	-.00008
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				
Low Limit				

Int. Std.	In2306	Y_2243	Y_3600	Y_3774
Line	230.606 {446}	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**3509.1**	**5136.7**	**69213.**	**14581.**
Stddev	1.0	8.0	435.	34.
%RSD	.02968	.15599	.62876	.23553
#1	3508.3	5131.0	68905.	14606.
#2	3509.8	5142.4	69521.	14557.

Sample Name: 480-55779-D-1-A PDS Acquired: 3/13/2014 23:57:24 Type: Unk
Method: ICAP1 New RLs at low cal point Mode: CONC Corr. Factor: 1.000000
User: AMH 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	**.05358**	**11.232**	**.21719**	**.31228**	**.47155**	**.20869**	**109.74**	**.21086**	**.20959**
Stddev	.00082	.118	.00008	.00024	.00228	.00066	1.25	.00029	.00020
%RSD	1.5336	1.0504	.03567	.07826	.48379	.31503	1.1414	.13611	.09583
#1	.05300	11.149	.21714	.31246	.46994	.20822	108.85	.21065	.20944
#2	.05417	11.315	.21725	.31211	.47317	.20915	110.62	.21106	.20973
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Cr2677	Cu3247	Fe2599	K_7664	K_7664-2	Li6707	Mg2790	Mn2576	Mo2020
Line	267.716 {126}	324.754 {104}	259.940 {130}	766.490 { 44}	766.490 { 44}2	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}
IS Ref	(Y_3600)	(Y_3600)	(Y_3774)	(Y_3774)	(Y_3774)	(Y_3774)	(Y_3600)	(Y_3600)	(Y_2243)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.20909**	**.22038**	**9.9557**	**12.649**	**14.281**	**.24689**	**41.917**	**.20550**	**.21103**
Stddev	.00106	.00086	.0191	.167	.284	.00138	.106	.00017	.00058
%RSD	.50793	.38864	.19173	1.3194	1.9883	.56068	.25256	.08318	.27426
#1	.20834	.21977	9.9422	12.531	14.080	.24591	41.842	.20538	.21063
#2	.20984	.22098	9.9692	12.767	14.482	.24787	41.991	.20562	.21144
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	**28.131**	**.21039**	**.20841**	F **9.016**	**.21313**	**.21414**	**20.615**	**.21532**	**.93101**
Stddev	.296	.00040	.00242	.006	.00039	.00015	.223	.00030	.00701
%RSD	1.0521	.19153	1.1590	.0647	.18353	.07213	1.0800	.14013	.75314
#1	27.922	.21010	.20670	9.020	.21340	.21403	20.457	.21511	.92605
#2	28.340	.21067	.21011	9.012	.21285	.21424	20.772	.21554	.93597
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				9.000					
Low Limit				-.2000					

Elem	Ti3349	Tl1908	V_2924	Zn2062
Line	334.904 {101}	190.856 {477}	292.402 {115}	206.200 {163}
IS Ref	(Y_3600)	(In2306)	(Y_3600)	(Y_3600)
Units	ppm	ppm	ppm	ppm
Avg	**.21354**	**.21033**	**.22045**	**.20675**
Stddev	.00018	.00065	.00076	.00043
%RSD	.08361	.30741	.34295	.20921
#1	.21341	.21079	.21991	.20705
#2	.21366	.20987	.22098	.20644
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				
Low Limit				

Int. Std.	In2306	Y_2243	Y_3600	Y_3774
Line	230.606 {446}	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**3203.6**	**4976.0**	**67036.**	**14698.**
Stddev	5.0	2.6	245.	160.
%RSD	.15637	.05306	.36619	1.0879
#1	3207.2	4977.8	67209.	14811.
#2	3200.1	4974.1	66862.	14585.

Sample Name: 480-55779-D-1-B MS Acquired: 3/14/2014 0:00:12 Type: Unk
Method: ICAP1 New RLs at low cal point Mode: CONC Corr. Factor: 1.000000
User: AMH 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	**.05290**	**10.603**	**.21976**	**.30371**	**.46396**	**.20808**	**110.70**	**.21124**	**.20912**
Stddev	.00014	.060	.00036	.00085	.00087	.00013	.24	.00001	.00020
%RSD	.26768	.56879	.16496	.27991	.18668	.06226	.21655	.00241	.09326
#1	.05300	10.560	.21951	.30311	.46457	.20818	110.53	.21124	.20898
#2	.05280	10.645	.22002	.30431	.46335	.20799	110.87	.21123	.20926
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Cr2677	Cu3247	Fe2599	K_7664	K_7664-2	Li6707	Mg2790	Mn2576	Mo2020
Line	267.716 {126}	324.754 {104}	259.940 {130}	766.490 { 44}	766.490 { 44}2	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}
IS Ref	(Y_3600)	(Y_3600)	(Y_3774)	(Y_3774)	(Y_3774)	(Y_3774)	(Y_3600)	(Y_3600)	(Y_2243)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.20849**	**.22004**	**9.9109**	**12.095**	**13.901**	**.23493**	**42.568**	**.20568**	**.21108**
Stddev	.00069	.00156	.0130	.010	.000	.00075	.208	.00045	.00003
%RSD	.32948	.70952	.13073	.07996	.00241	.31965	.48856	.21849	.01629
#1	.20801	.22115	9.9200	12.102	13.901	.23440	42.421	.20536	.21106
#2	.20898	.21894	9.9017	12.088	13.902	.23546	42.715	.20599	.21111
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	**27.761**	**.20936**	**.20838**	F **19.99**	**.21483**	**.21428**	**20.447**	**.21208**	**.92666**
Stddev	.054	.00032	.00272	.03	.00073	.00111	.121	.00005	.00019
%RSD	.19478	.15172	1.3046	.1285	.34006	.51680	.59101	.02462	.02016
#1	27.723	.20959	.20646	19.97	.21432	.21506	20.361	.21204	.92653
#2	27.799	.20914	.21031	20.00	.21535	.21350	20.532	.21212	.92680
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				9.000					
Low Limit				-.2000					

Elem	Ti3349	Tl1908	V_2924	Zn2062
Line	334.904 {101}	190.856 {477}	292.402 {115}	206.200 {163}
IS Ref	(Y_3600)	(In2306)	(Y_3600)	(Y_3600)
Units	ppm	ppm	ppm	ppm
Avg	**.21430**	**.20658**	**.22168**	**.20826**
Stddev	.00142	.00083	.00009	.00024
%RSD	.66222	.39945	.04248	.11585
#1	.21330	.20599	.22161	.20809
#2	.21531	.20716	.22174	.20843
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				
Low Limit				

Int. Std.	In2306	Y_2243	Y_3600	Y_3774
Line	230.606 {446}	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**3216.4**	**4992.1**	**67160.**	**14804.**
Stddev	5.2	8.4	83.	5.
%RSD	.16251	.16855	.12420	.03102
#1	3220.1	4998.0	67219.	14808.
#2	3212.7	4986.1	67101.	14801.

Sample Name: 480-55779-D-1-C MSD Acquired: 3/14/2014 0:03:01 Type: Unk
Method: ICAP1 New RLs at low cal point Mode: CONC Corr. Factor: 1.000000
User: AMH 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	**.05238**	**10.657**	**.21566**	**.30068**	**.46537**	**.20773**	**111.52**	**.21005**	**.20822**
Stddev	.00067	.021	.00247	.00007	.00092	.00030	.56	.00014	.00017
%RSD	1.2786	.20049	1.1437	.02283	.19817	.14644	.49928	.06725	.08335
#1	.05286	10.672	.21392	.30064	.46603	.20794	111.91	.20995	.20835
#2	.05191	10.642	.21740	.30073	.46472	.20751	111.12	.21015	.20810
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Cr2677	Cu3247	Fe2599	K_7664	K_7664-2	Li6707	Mg2790	Mn2576	Mo2020
Line	267.716 {126}	324.754 {104}	259.940 {130}	766.490 { 44}	766.490 { 44}2	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}
IS Ref	(Y_3600)	(Y_3600)	(Y_3774)	(Y_3774)	(Y_3774)	(Y_3774)	(Y_3600)	(Y_3600)	(Y_2243)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.20861**	**.21947**	**9.8722**	**12.152**	**13.841**	**.23426**	**42.739**	**.20555**	**.20973**
Stddev	.00018	.00047	.0108	.061	.073	.00092	.071	.00093	.00063
%RSD	.08704	.21289	.10967	.50472	.52512	.39316	.16631	.45349	.30203
#1	.20874	.21914	9.8798	12.195	13.892	.23361	42.790	.20621	.20928
#2	.20848	.21980	9.8645	12.109	13.790	.23491	42.689	.20489	.21017
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	**27.974**	**.20781**	**.20786**	F **19.91**	**.21169**	**.21356**	**20.556**	**.21232**	**.93456**
Stddev	.112	.00037	.00006	.01	.00138	.00176	.061	.00013	.00126
%RSD	.39961	.17735	.02873	.0332	.65053	.82414	.29739	.05960	.13447
#1	28.053	.20807	.20782	19.91	.21071	.21481	20.599	.21223	.93545
#2	27.895	.20755	.20790	19.92	.21266	.21232	20.513	.21241	.93367
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				9.000					
Low Limit				-.2000					

Elem	Ti3349	Tl1908	V_2924	Zn2062
Line	334.904 {101}	190.856 {477}	292.402 {115}	206.200 {163}
IS Ref	(Y_3600)	(In2306)	(Y_3600)	(Y_3600)
Units	ppm	ppm	ppm	ppm
Avg	**.21470**	**.20633**	**.22069**	**.20713**
Stddev	.00120	.00000	.00045	.00058
%RSD	.55836	.00053	.20330	.28119
#1	.21385	.20633	.22101	.20754
#2	.21555	.20633	.22037	.20672
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				
Low Limit				

Int. Std.	In2306	Y_2243	Y_3600	Y_3774
Line	230.606 {446}	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**3205.3**	**4986.2**	**66330.**	**14613.**
Stddev	4.9	10.8	98.	66.
%RSD	.15283	.21717	.14794	.45241
#1	3208.7	4993.9	66260.	14567.
#2	3201.8	4978.5	66399.	14660.

Sample Name: 480-55779-D-2-A Acquired: 3/14/2014 0:05:46 Type: Unk
Method: ICAP1 New RLs at low cal point Mode: CONC Corr. Factor: 1.000000
User: AMH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	B_2089	Ba4554-2	Be3130	Ca3179	Cd2288	Co2286
Line	328.068 {103}	308.215 {109}	189.042 {478}	208.959 {461}	455.403 { 74}2	313.042 {108}	317.933 {106}	228.802 {447}	228.616 {447}
IS Ref	(Y_3600)	(Y_3774)	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3774)	(Y_3774)	(Y_2243)	(In2306)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00045**	**.69195**	**.00121**	**.05232**	**.22059**	**.00006**	**70.489**	**.00003**	**.00005**
Stddev	.00001	.00708	.00086	.00022	.00066	.00001	.074	.00009	.00005
%RSD	2.1437	1.0235	70.820	.42184	.29726	10.194	.10474	312.04	96.720
#1	.00046	.68695	.00060	.05216	.22105	.00006	70.436	-.00003	.00002
#2	.00044	.69696	.00181	.05248	.22012	.00007	70.541	.00009	.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	**.00204**	**.00384**	**.62667**	**1.3409**	**1.3798**	**.01170**	**20.274**	**.01081**	**.00063**
Stddev	.00018	.00029	.00189	.0078	.0006	.00076	.000	.00004	.00018
%RSD	8.5989	7.5373	.30080	.58363	.04416	6.4733	.00045	.34658	28.140
#1	.00217	.00404	.62801	1.3464	1.3793	.01117	20.274	.01084	.00051
#2	.00192	.00363	.62534	1.3354	1.3802	.01224	20.274	.01079	.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	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	**12.226**	**.00042**	**.00191**	**7.091**	**-.00181**	**.00009**	**8.7941**	**.00017**	**.43099**
Stddev	.028	.00006	.00020	.017	.00079	.00149	.0091	.00051	.00156
%RSD	.23061	15.289	10.511	.2455	43.535	1739.0	.10343	307.60	.36143
#1	12.246	.00037	.00205	7.078	-.00237	-.00097	8.8005	.00053	.43209
#2	12.206	.00046	.00176	7.103	-.00125	.00114	8.7877	-.00020	.42989
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	**.01500**	**.00224**	**.00262**	**.00320**
Stddev	.00074	.00193	.00014	.00003
%RSD	4.9615	86.292	5.2050	.98347
#1	.01448	.00087	.00271	.00318
#2	.01553	.00361	.00252	.00322
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				
Low Limit				

Int. Std.	In2306	Y_2243	Y_3600	Y_3774
Line	230.606 {446}	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**3353.3**	**5058.9**	**67375.**	**14724.**
Stddev	.6	1.6	126.	4.
%RSD	.01803	.03097	.18642	.02563
#1	3353.7	5060.0	67286.	14727.
#2	3352.9	5057.8	67464.	14722.

Sample Name: 480-55779-D-3-A Acquired: 3/14/2014 0:08:33 Type: Unk
Method: ICAP1 New RLs at low cal point Mode: CONC Corr. Factor: 1.000000
User: AMH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	B_2089	Ba4554-2	Be3130	Ca3179	Cd2288	Co2286
Line	328.068 {103}	308.215 {109}	189.042 {478}	208.959 {461}	455.403 { 74}2	313.042 {108}	317.933 {106}	228.802 {447}	228.616 {447}
IS Ref	(Y_3600)	(Y_3774)	(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**	**.03700**	**.00345**	**.04845**	**.21359**	**.00003**	**67.246**	**.00014**	**-.00019**
Stddev	.00092	.00175	.00148	.00023	.00061	.00003	.191	.00003	.00004
%RSD	667.65	4.7271	42.841	.47324	.28408	105.78	.28383	23.057	22.408
#1	-.00051	.03823	.00241	.04829	.21402	.00001	67.381	.00012	-.00016
#2	.00079	.03576	.00450	.04861	.21317	.00005	67.111	.00016	-.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	**.00074**	**.00264**	**.00732**	**.89119**	**.91853**	**.01852**	**23.219**	**.00096**	**.00726**
Stddev	.00019	.00002	.00324	.04055	.00487	.00036	.025	.00008	.00004
%RSD	25.631	.87294	44.190	4.5502	.53071	1.9486	.10685	7.9733	.55627
#1	.00087	.00266	.00961	.91986	.92197	.01826	23.237	.00090	.00729
#2	.00060	.00262	.00503	.86251	.91508	.01877	23.202	.00101	.00723
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	**15.553**	**-.00020**	**.00036**	F **9.334**	**-.00128**	**-.00025**	**9.2904**	**.00021**	**1.9634**
Stddev	.076	.00017	.00031	.016	.00063	.00084	.0191	.00078	.0079
%RSD	.48762	86.011	87.597	.1746	49.399	338.41	.20515	379.78	.40444
#1	15.607	-.00008	.00058	9.322	-.00172	.00035	9.3039	.00076	1.9690
#2	15.499	-.00033	.00014	9.345	-.00083	-.00084	9.2769	-.00035	1.9577
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				9.000					
Low Limit				-.2000					

Elem	Ti3349	Tl1908	V_2924	Zn2062
Line	334.904 {101}	190.856 {477}	292.402 {115}	206.200 {163}
IS Ref	(Y_3600)	(In2306)	(Y_3600)	(Y_3600)
Units	ppm	ppm	ppm	ppm
Avg	**.00035**	**.00303**	**.00086**	**.00212**
Stddev	.00003	.00067	.00002	.00022
%RSD	7.2036	22.236	2.6278	10.514
#1	.00033	.00256	.00087	.00228
#2	.00037	.00351	.00084	.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	**3344.5**	**5029.7**	**67386.**	**14696.**
Stddev	6.1	4.4	38.	3.
%RSD	.18106	.08748	.05565	.01818
#1	3348.8	5032.9	67359.	14698.
#2	3340.2	5026.6	67412.	14694.

Sample Name: 480-55779-D-4-A Acquired: 3/14/2014 0:11:20 Type: Unk
Method: ICAP1 New RLs at low cal point Mode: CONC Corr. Factor: 1.000000
User: AMH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	B_2089	Ba4554-2	Be3130	Ca3179	Cd2288	Co2286
Line	328.068 {103}	308.215 {109}	189.042 {478}	208.959 {461}	455.403 { 74}2	313.042 {108}	317.933 {106}	228.802 {447}	228.616 {447}
IS Ref	(Y_3600)	(Y_3774)	(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**	**.03635**	**-.00044**	**.23711**	**.32215**	**.00003**	**95.680**	**.00007**	**-.00006**
Stddev	.00046	.00452	.00204	.00058	.00102	.00000	.109	.00002	.00005
%RSD	2063.1	12.430	466.27	.24300	.31667	16.174	.11411	30.356	95.340
#1	-.00030	.03315	-.00188	.23670	.32287	.00003	95.757	.00008	-.00002
#2	.00035	.03954	.00101	.23751	.32143	.00002	95.602	.00005	-.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	**.00077**	**.01032**	**.02012**	**1.6233**	**1.7867**	**.01556**	**25.884**	**.00144**	**-.00005**
Stddev	.00029	.00003	.00061	.0332	.0112	.00015	.202	.00003	.00011
%RSD	37.740	.28724	3.0529	2.0445	.62815	.99149	.78008	2.3595	205.43
#1	.00057	.01030	.01969	1.6467	1.7788	.01567	26.027	.00142	.00002
#2	.00098	.01034	.02056	1.5998	1.7947	.01545	25.741	.00147	-.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	**10.689**	**.00012**	**.00150**	**7.496**	**-.00179**	**.00091**	**9.0781**	**.00004**	**.55138**
Stddev	.003	.00014	.00046	.014	.00163	.00162	.0106	.00009	.00064
%RSD	.02491	117.86	30.478	.1917	91.453	178.95	.11640	248.30	.11651
#1	10.691	.00002	.00118	7.486	-.00063	-.00024	9.0855	-.00003	.55183
#2	10.687	.00022	.00183	7.506	-.00294	.00205	9.0706	.00010	.55093
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Ti3349	Tl1908	V_2924	Zn2062
Line	334.904 {101}	190.856 {477}	292.402 {115}	206.200 {163}
IS Ref	(Y_3600)	(In2306)	(Y_3600)	(Y_3600)
Units	ppm	ppm	ppm	ppm
Avg	**.00094**	**.00154**	**.00047**	**.00536**
Stddev	.00003	.00141	.00005	.00032
%RSD	3.1666	92.072	11.143	5.9297
#1	.00092	.00054	.00044	.00558
#2	.00097	.00253	.00051	.00513
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				
Low Limit				

Int. Std.	In2306	Y_2243	Y_3600	Y_3774
Line	230.606 {446}	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**3291.5**	**4965.8**	**66540.**	**14572.**
Stddev	6.8	2.0	470.	20.
%RSD	.20573	.04034	.70666	.13755
#1	3296.3	4967.2	66208.	14558.
#2	3286.7	4964.4	66873.	14586.

Sample Name: 480-55780-D-1-A Acquired: 3/14/2014 0:14:06 Type: Unk
Method: ICAP1 New RLs at low cal point Mode: CONC Corr. Factor: 1.000000
User: AMH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	B_2089	Ba4554-2	Be3130	Ca3179	Cd2288	Co2286
Line	328.068 {103}	308.215 {109}	189.042 {478}	208.959 {461}	455.403 { 74}2	313.042 {108}	317.933 {106}	228.802 {447}	228.616 {447}
IS Ref	(Y_3600)	(Y_3774)	(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**	**.13708**	**.00953**	F **23.753**	**.42828**	**-.00001**	**104.37**	**.00013**	**.00171**
Stddev	.00002	.01109	.00155	.016	.00157	.00004	.85	.00004	.00012
%RSD	3.2738	8.0901	16.253	.06606	.36626	628.96	.81209	32.216	7.2648
#1	.00059	.12924	.01063	23.742	.42717	.00002	103.77	.00016	.00162
#2	.00062	.14493	.00844	23.764	.42939	-.00004	104.97	.00010	.00180
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				13.500					
Low Limit				-.02000					

Elem	Cr2677	Cu3247	Fe2599	K_7664	K_7664-2	Li6707	Mg2790	Mn2576	Mo2020
Line	267.716 {126}	324.754 {104}	259.940 {130}	766.490 { 44}	766.490 { 44}2	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}
IS Ref	(Y_3600)	(Y_3600)	(Y_3774)	(Y_3774)	(Y_3774)	(Y_3774)	(Y_3600)	(Y_3600)	(Y_2243)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.01415**	**.01475**	**1.9044**	**130.53**	^ *****	**.61570**	**88.287**	**.20848**	**.00238**
Stddev	.00020	.00005	.0120	.62	-----	.00037	.532	.00075	.00021
%RSD	1.4254	.31445	.62787	.47243	-----	.05983	.60275	.35820	8.6109
#1	.01430	.01478	1.9129	130.09	^ -----	.61544	87.911	.20795	.00253
#2	.01401	.01472	1.8960	130.96	132.48	.61596	88.664	.20901	.00224
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	**606.77**	**.02929**	**-.00018**	F **91.97**	**-.00377**	**.00467**	**12.626**	**.00184**	**1.6298**
Stddev	.08	.00054	.00033	.03	.00146	.00191	.113	.00065	.0064
%RSD	.01361	1.8420	177.57	.0304	38.591	40.967	.89278	35.278	.39503
#1	606.71	.02891	.00005	91.95	-.00480	.00332	12.546	.00230	1.6253
#2	606.83	.02967	-.00042	91.99	-.00274	.00602	12.705	.00138	1.6344
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				9.000					
Low Limit				-.2000					

Elem	Ti3349	Tl1908	V_2924	Zn2062
Line	334.904 {101}	190.856 {477}	292.402 {115}	206.200 {163}
IS Ref	(Y_3600)	(In2306)	(Y_3600)	(Y_3600)
Units	ppm	ppm	ppm	ppm
Avg	**.01671**	**.00145**	**.00872**	**.03230**
Stddev	.00022	.00020	.00018	.00019
%RSD	1.3340	13.722	2.0304	.58218
#1	.01687	.00160	.00860	.03244
#2	.01655	.00131	.00885	.03217
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				
Low Limit				

Int. Std.	In2306	Y_2243	Y_3600	Y_3774
Line	230.606 {446}	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**2810.3**	**4607.9**	**60529.**	**14370.**
Stddev	2.7	9.1	349.	135.
%RSD	.09709	.19647	.57739	.93976
#1	2812.2	4614.3	60776.	14465.
#2	2808.3	4601.5	60282.	14274.

Sample Name: 480-55780-D-2-A Acquired: 3/14/2014 0:17:00 Type: Unk
Method: ICAP1 New RLs at low cal point Mode: CONC Corr. Factor: 1.000000
User: AMH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	B_2089	Ba4554-2	Be3130	Ca3179	Cd2288	Co2286
Line	328.068 {103}	308.215 {109}	189.042 {478}	208.959 {461}	455.403 { 74}2	313.042 {108}	317.933 {106}	228.802 {447}	228.616 {447}
IS Ref	(Y_3600)	(Y_3774)	(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**	**.27030**	**.00328**	F **16.374**	**.39288**	**.00007**	**158.56**	**.00021**	**.00043**
Stddev	.00068	.00552	.00329	.011	.00132	.00001	.15	.00011	.00005
%RSD	1217.0	2.0407	100.39	.06846	.33592	14.138	.09412	51.615	12.400
#1	-.00043	.27420	.00561	16.366	.39195	.00006	158.45	.00014	.00040
#2	.00054	.26640	.00095	16.382	.39381	.00007	158.66	.00029	.00047
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				13.500					
Low Limit				-.02000					

Elem	Cr2677	Cu3247	Fe2599	K_7664	K_7664-2	Li6707	Mg2790	Mn2576	Mo2020
Line	267.716 {126}	324.754 {104}	259.940 {130}	766.490 { 44}	766.490 { 44}2	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}
IS Ref	(Y_3600)	(Y_3600)	(Y_3774)	(Y_3774)	(Y_3774)	(Y_3774)	(Y_3600)	(Y_3600)	(Y_2243)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00201**	**.00961**	**1.7131**	**54.200**	**61.456**	**.35531**	**184.23**	**.43528**	**.00059**
Stddev	.00011	.00001	.0062	.176	.474	.00037	1.22	.00279	.00011
%RSD	5.7080	.09739	.35912	.32492	.77101	.10391	.66382	.64124	18.109
#1	.00193	.00960	1.7088	54.076	61.121	.35505	183.36	.43330	.00052
#2	.00209	.00962	1.7175	54.325	61.791	.35557	185.09	.43725	.00067
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	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	**208.76**	**.01009**	**.00191**	**6.381**	**-.00229**	**.00094**	**11.891**	**.00040**	**1.7139**
Stddev	.27	.00054	.00059	.008	.00060	.00292	.002	.00034	.0025
%RSD	.12806	5.3083	30.733	.1301	26.365	309.46	.01674	85.058	.14843
#1	208.57	.01047	.00233	6.387	-.00186	.00301	11.889	.00016	1.7121
#2	208.95	.00971	.00150	6.375	-.00271	-.00112	11.892	.00063	1.7157
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	**.00798**	**.00091**	**.00386**	**.01114**
Stddev	.00069	.00046	.00017	.00094
%RSD	8.6146	50.280	4.5335	8.4090
#1	.00749	.00059	.00398	.01047
#2	.00846	.00123	.00374	.01180
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				
Low Limit				

Int. Std.	In2306	Y_2243	Y_3600	Y_3774
Line	230.606 {446}	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**2881.5**	**4608.9**	**61201.**	**14232.**
Stddev	.7	2.9	325.	13.
%RSD	.02474	.06327	.53031	.08790
#1	2881.0	4610.9	61431.	14223.
#2	2882.0	4606.8	60972.	14241.

Sample Name: CCV Acquired: 3/14/2014 0:19:58 Type: QC
Method: ICAP1 New RLs at low cal point Mode: CONC Corr. Factor: 1.000000
User: AMH 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	**.52283**	**26.401**	**.52578**	F **.55260**	**.53399**	**.50732**	**25.629**	**.52155**	**.51904**	**.52381**	**.53830**	**24.655**
Stddev	.00071	.015	.00038	.00390	.00074	.00208	.100	.00027	.00046	.00112	.00324	.142
%RSD	.13585	.05747	.07165	.70598	.13926	.41066	.39049	.05161	.08941	.21402	.60181	.57683
#1	.52233	26.390	.52552	.55536	.53346	.50584	25.558	.52136	.51937	.52302	.53601	24.555
#2	.52333	26.412	.52605	.54984	.53452	.50879	25.700	.52174	.51871	.52460	.54059	24.756
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
Value				.50000								
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	**26.834**	**26.054**	**.53602**	**26.211**	**.52236**	**.52657**	**27.183**	**.51281**	**.52097**	**26.49**	**.53735**	**.51859**
Stddev	.023	.150	.00036	.073	.00159	.00064	.015	.00111	.00034	.04	.00048	.00142
%RSD	.08750	.57607	.06718	.27827	.30451	.12075	.05584	.21729	.06529	.1525	.08953	.27433
#1	26.817	26.160	.53576	26.160	.52124	.52612	27.193	.51202	.52121	26.52	.53701	.51960
#2	26.850	25.947	.53627	26.263	.52349	.52702	27.172	.51359	.52073	26.47	.53769	.51759
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	**25.999**	**.54157**	**.53424**	**.54555**	**.51426**	**.53931**	**.52897**
Stddev	.101	.00265	.00020	.00004	.00081	.00182	.00141
%RSD	.38990	.48988	.03679	.00770	.15825	.33697	.26583
#1	25.927	.54344	.53410	.54558	.51484	.53803	.52798
#2	26.071	.53969	.53438	.54552	.51369	.54060	.52997
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	**3280.4**	**5037.9**	**66979.**	**14501.**
Stddev	1.3	3.1	100.	47.
%RSD	.04086	.06168	.15001	.32103
#1	3281.4	5035.7	67050.	14534.
#2	3279.5	5040.1	66908.	14468.

Sample Name: CCB Acquired: 3/14/2014 0:22:44 Type: QC
Method: ICAP1 New RLs at low cal point Mode: CONC Corr. Factor: 1.000000
User: AMH 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	**.00049**	**-.01383**	**-.00115**	F **.02731**	**.00021**	**.00007**	**.01723**	**-.00001**	**-.00003**	**.00003**	**.00105**	**-.00144**
Stddev	.00118	.01023	.00065	.00180	.00004	.00004	.00105	.00008	.00003	.00007	.00030	.00086
%RSD	240.33	73.970	56.785	6.6052	19.696	48.404	6.0736	1222.5	92.901	263.63	28.882	60.136
#1	.00133	-.00660	-.00161	.02859	.00024	.00005	.01797	.00005	-.00005	-.00002	.00084	-.00083
#2	-.00034	-.02106	-.00069	.02603	.00018	.00010	.01649	-.00006	-.00001	.00008	.00127	-.00205
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
High Limit				.02000								
Low Limit				-.02000								

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	**.01158**	**.01345**	**.00079**	**.02243**	**.00017**	**-.00002**	**.03792**	**-.00008**	**.00024**	F **.0107**	**.00048**	**.00051**
Stddev	.00554	.00209	.00026	.00838	.00011	.00015	.00052	.00042	.00071	.0020	.00175	.00078
%RSD	47.818	15.550	32.356	37.353	63.086	948.77	1.3611	518.78	294.09	19.10	362.49	153.89
#1	.01549	.01493	.00097	.02836	.00025	.00009	.03756	-.00038	-.00026	.0121	-.00075	.00106
#2	.00766	.01197	.00061	.01651	.00010	-.00012	.03829	.00022	.00075	.0093	.00172	-.00004
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
High Limit										.0030		
Low Limit										-.0040		

Elem	Si2881	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.02509**	**.00017**	**-.00006**	**.00028**	**.00132**	**.00030**	**.00034**
Stddev	.00459	.00019	.00005	.00015	.00106	.00020	.00015
%RSD	18.296	107.97	82.462	53.117	80.003	65.164	43.680
#1	.02185	.00031	-.00009	.00018	.00057	.00044	.00023
#2	.02834	.00004	-.00002	.00039	.00207	.00016	.00044
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	**3591.4**	**5187.1**	**70223.**	**14717.**
Stddev	.4	1.6	179.	8.
%RSD	.01103	.03155	.25543	.05352
#1	3591.1	5186.0	70350.	14712.
#2	3591.7	5188.3	70096.	14723.

Sample Name: CCVL Acquired: 3/14/2014 0:25:35 Type: QC
Method: ICAP1 New RLs at low cal point Mode: CONC Corr. Factor: 1.000000
User: AMH 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	**.00554**	**.20270**	**.01571**	F **.03893**	**.00236**	**.00210**	**.51059**	**.00202**	**.00412**	**.00403**	**.01158**	**.04672**
Stddev	.00045	.00004	.00096	.00072	.00001	.00003	.00133	.00012	.00011	.00041	.00008	.00207
%RSD	8.0498	.01758	6.1093	1.8559	.40967	1.5233	.26011	5.7308	2.7079	10.120	.71214	4.4347
#1	.00585	.20267	.01503	.03944	.00236	.00212	.51153	.00194	.00404	.00431	.01152	.04819
#2	.00522	.20272	.01638	.03842	.00237	.00208	.50965	.00210	.00419	.00374	.01164	.04526
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
Value				.02000								
Range				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	**.54341**	**.41740**	**.03081**	**.21324**	**.00340**	**.01029**	**1.0848**	**.01089**	**.01105**	**.2094**	**.02023**	**.02608**
Stddev	.00379	.00092	.00052	.00225	.00008	.00007	.0030	.00016	.00039	.0010	.00038	.00019
%RSD	.69673	.22043	1.7037	1.0545	2.2177	.72263	.27568	1.4266	3.5217	.4925	1.8634	.72625
#1	.54609	.41675	.03118	.21483	.00335	.01034	1.0827	.01100	.01133	.2087	.02049	.02595
#2	.54074	.41805	.03044	.21165	.00345	.01024	1.0869	.01078	.01078	.2102	.01996	.02622
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	**.52370**	**.01125**	**.00499**	**.00485**	**.02108**	**.00563**	**.01009**
Stddev	.00226	.00011	.00009	.00025	.00002	.00004	.00029
%RSD	.43183	1.0186	1.7640	5.2080	.08836	.79855	2.8919
#1	.52210	.01134	.00493	.00503	.02107	.00559	.00988
#2	.52530	.01117	.00505	.00467	.02110	.00566	.01029
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	**3622.7**	**5255.6**	**70797.**	**14918.**
Stddev	7.2	13.9	46.	7.
%RSD	.19841	.26431	.06527	.04774
#1	3627.7	5265.4	70764.	14923.
#2	3617.6	5245.8	70829.	14913.

Sample Name: 480-55782-A-1-A Acquired: 3/14/2014 0:28:25 Type: Unk
Method: ICAP1 New RLs at low cal point Mode: CONC Corr. Factor: 1.000000
User: AMH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	B_2089	Ba4554-2	Be3130	Ca3179	Cd2288	Co2286
Line	328.068 {103}	308.215 {109}	189.042 {478}	208.959 {461}	455.403 { 74}2	313.042 {108}	317.933 {106}	228.802 {447}	228.616 {447}
IS Ref	(Y_3600)	(Y_3774)	(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**	**12.411**	**.02619**	**1.8045**	**.21247**	**.00079**	**734.26**	**.00882**	**.04379**
Stddev	.00108	.032	.00310	.0015	.00064	.00003	2.10	.00003	.00004
%RSD	1717.2	.26117	11.827	.08433	.30049	3.7429	.28574	.35829	.08628
#1	.00070	12.434	.02838	1.8056	.21292	.00077	735.74	.00880	.04376
#2	-.00083	12.388	.02400	1.8035	.21202	.00081	732.78	.00885	.04382
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Cr2677	Cu3247	Fe2599	K_7664	K_7664-2	Li6707	Mg2790	Mn2576	Mo2020
Line	267.716 {126}	324.754 {104}	259.940 {130}	766.490 { 44}	766.490 { 44}2	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}
IS Ref	(Y_3600)	(Y_3600)	(Y_3774)	(Y_3774)	(Y_3774)	(Y_3774)	(Y_3600)	(Y_3600)	(Y_2243)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.02718**	**.03490**	**16.797**	**9.5712**	**16.483**	**.13998**	**285.18**	**.56524**	**.06231**
Stddev	.00029	.00063	.008	.0110	.223	.00051	.04	.00004	.00015
%RSD	1.0515	1.8048	.04628	.11447	1.3533	.36447	.01519	.00775	.24512
#1	.02698	.03534	16.791	9.5789	16.640	.14034	285.15	.56528	.06242
#2	.02738	.03445	16.802	9.5634	16.325	.13962	285.21	.56521	.06221
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	**189.60**	**.15355**	**.01262**	F **849.6**	**.00367**	**.17800**	**27.654**	**.00123**	F **10.805**
Stddev	.08	.00005	.00052	1.1	.00184	.00628	.112	.00044	.126
%RSD	.04464	.03127	4.1568	.1264	50.135	3.5302	.40391	36.188	1.1643
#1	189.66	.15351	.01225	850.4	.00498	.17356	27.733	.00154	10.893
#2	189.54	.15358	.01299	848.9	.00237	.18244	27.575	.00091	10.716
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail
High Limit				9.000					9.0000
Low Limit				-.2000					-.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	**.09736**	**.00877**	**.37705**	**.12689**
Stddev	.00105	.00627	.00011	.00030
%RSD	1.0835	71.520	.03021	.23906
#1	.09661	.00433	.37697	.12667
#2	.09811	.01320	.37713	.12710
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				
Low Limit				

Int. Std.	In2306	Y_2243	Y_3600	Y_3774
Line	230.606 {446}	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**2647.4**	**4352.1**	**58833.**	**13868.**
Stddev	2.4	3.8	121.	51.
%RSD	.09158	.08640	.20505	.36718
#1	2649.1	4354.7	58747.	13832.
#2	2645.7	4349.4	58918.	13904.

Sample Name: 480-55782-A-2-A Acquired: 3/14/2014 0:31:32 Type: Unk
Method: ICAP1 New RLs at low cal point Mode: CONC Corr. Factor: 1.000000
User: AMH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	B_2089	Ba4554-2	Be3130	Ca3179	Cd2288	Co2286
Line	328.068 {103}	308.215 {109}	189.042 {478}	208.959 {461}	455.403 { 74}2	313.042 {108}	317.933 {106}	228.802 {447}	228.616 {447}
IS Ref	(Y_3600)	(Y_3774)	(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**	**1.2787**	**.00701**	**.85388**	**.07698**	**.00008**	**399.14**	**.00081**	**.00061**
Stddev	.00019	.0073	.00171	.00059	.00005	.00003	1.58	.00005	.00000
%RSD	332.31	.57149	24.340	.06933	.06644	39.895	.39550	6.0425	.39568
#1	.00019	1.2838	.00580	.85430	.07702	.00006	400.26	.00078	.00061
#2	-.00008	1.2735	.00821	.85346	.07694	.00010	398.03	.00085	.00061
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Cr2677	Cu3247	Fe2599	K_7664	K_7664-2	Li6707	Mg2790	Mn2576	Mo2020
Line	267.716 {126}	324.754 {104}	259.940 {130}	766.490 { 44}	766.490 { 44}2	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}
IS Ref	(Y_3600)	(Y_3600)	(Y_3774)	(Y_3774)	(Y_3774)	(Y_3774)	(Y_3600)	(Y_3600)	(Y_2243)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00213**	**.00502**	**2.0984**	**13.467**	**28.336**	**.54412**	**430.82**	**.16632**	**.00542**
Stddev	.00012	.00001	.0029	.086	.316	.00287	.17	.00033	.00029
%RSD	5.6082	.10253	.13673	.63587	1.1152	.52684	.03988	.20091	5.3601
#1	.00204	.00502	2.0964	13.528	28.560	.54614	430.70	.16656	.00522
#2	.00221	.00502	2.1004	13.407	28.113	.54209	430.94	.16609	.00563
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	**1062.5**	**.00612**	**.00223**	F **1275.**	**-.00157**	**.00085**	**8.4708**	**-.00080**	F **12.536**
Stddev	3.4	.00031	.00077	2.	.00068	.00061	.0432	.00057	.102
%RSD	.31908	5.0086	34.427	.1401	43.279	72.227	.51017	71.278	.81478
#1	1064.9	.00634	.00277	1276.	-.00205	.00129	8.5013	-.00039	12.608
#2	1060.1	.00591	.00168	1273.	-.00109	.00042	8.4402	-.00120	12.463
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail
High Limit				9.000					9.0000
Low Limit				-.2000					-.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	**.02556**	**-.00094**	**.00389**	**.01296**
Stddev	.00036	.00411	.00012	.00104
%RSD	1.4042	435.97	3.0637	7.9993
#1	.02531	-.00385	.00397	.01369
#2	.02582	.00197	.00380	.01222
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				
Low Limit				

Int. Std.	In2306	Y_2243	Y_3600	Y_3774
Line	230.606 {446}	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**2504.5**	**4217.3**	**56787.**	**13647.**
Stddev	2.3	2.7	109.	98.
%RSD	.09153	.06433	.19230	.71529
#1	2506.1	4219.2	56710.	13578.
#2	2502.8	4215.3	56865.	13716.

Sample Name: 480-55782-A-3-A Acquired: 3/14/2014 0:34:46 Type: Unk
Method: ICAP1 New RLs at low cal point Mode: CONC Corr. Factor: 1.000000
User: AMH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	B_2089	Ba4554-2	Be3130	Ca3179	Cd2288	Co2286
Line	328.068 {103}	308.215 {109}	189.042 {478}	208.959 {461}	455.403 { 74}2	313.042 {108}	317.933 {106}	228.802 {447}	228.616 {447}
IS Ref	(Y_3600)	(Y_3774)	(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**	**1.2550**	**.01106**	**2.3382**	**.03430**	**.00008**	**494.95**	**.00158**	**.05856**
Stddev	.00042	.0052	.00052	.0060	.00005	.00000	1.59	.00002	.00022
%RSD	83.264	.41379	4.7211	.25563	.13940	3.5402	.32065	1.2032	.37552
#1	-.00021	1.2514	.01143	2.3339	.03434	.00008	493.82	.00157	.05872
#2	-.00081	1.2587	.01069	2.3424	.03427	.00008	496.07	.00160	.05841
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Cr2677	Cu3247	Fe2599	K_7664	K_7664-2	Li6707	Mg2790	Mn2576	Mo2020
Line	267.716 {126}	324.754 {104}	259.940 {130}	766.490 { 44}	766.490 { 44}2	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}
IS Ref	(Y_3600)	(Y_3600)	(Y_3774)	(Y_3774)	(Y_3774)	(Y_3774)	(Y_3600)	(Y_3600)	(Y_2243)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00359**	**.00716**	**3.9279**	**12.716**	**27.196**	**.67146**	F **567.41**	**.24902**	**.02002**
Stddev	.00029	.00020	.0128	.070	.449	.00145	1.05	.00096	.00002
%RSD	8.0054	2.8263	.32564	.55384	1.6509	.21540	.18477	.38412	.10813
#1	.00339	.00730	3.9188	12.666	26.878	.67044	566.67	.24834	.02001
#2	.00380	.00702	3.9369	12.766	27.513	.67248	568.15	.24970	.02004
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass
High Limit							450.00		
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	**1112.7**	**.23336**	**.00388**	F **1445.**	**-.00349**	**.04202**	**9.5384**	**-.00074**	F **13.234**
Stddev	2.6	.00037	.00030	1.	.00129	.00300	.0194	.00001	.042
%RSD	.23654	.15753	7.6765	.0719	36.990	7.1403	.20387	.71653	.31389
#1	1110.9	.23362	.00367	1446.	-.00258	.03990	9.5247	-.00074	13.263
#2	1114.6	.23310	.00409	1444.	-.00440	.04414	9.5522	-.00073	13.205
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail
High Limit				9.000					9.0000
Low Limit				-.2000					-.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	**.02323**	**.01367**	**.02930**	**.03494**
Stddev	.00022	.00079	.00005	.00010
%RSD	.94246	5.7615	.17772	.27994
#1	.02339	.01423	.02933	.03501
#2	.02308	.01311	.02926	.03488
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				
Low Limit				

Int. Std.	In2306	Y_2243	Y_3600	Y_3774
Line	230.606 {446}	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**2438.9**	**4079.9**	**56453.**	**13536.**
Stddev	1.1	9.5	10.	36.
%RSD	.04558	.23382	.01794	.26639
#1	2438.2	4086.6	56461.	13562.
#2	2439.7	4073.2	56446.	13511.

Sample Name: 480-55490-D-2-B Acquired: 3/14/2014 0:37:58 Type: Unk
Method: ICAP1 New RLs at low cal point Mode: CONC Corr. Factor: 1.000000
User: AMH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	B_2089	Ba4554-2	Be3130	Ca3179	Cd2288	Co2286
Line	328.068 {103}	308.215 {109}	189.042 {478}	208.959 {461}	455.403 { 74}2	313.042 {108}	317.933 {106}	228.802 {447}	228.616 {447}
IS Ref	(Y_3600)	(Y_3774)	(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**	**2.1709**	**.00385**	**.05892**	**.13311**	**.00014**	**32.901**	**.00014**	**.00147**
Stddev	.00039	.0249	.00157	.00062	.00014	.00001	.135	.00003	.00007
%RSD	1506.9	1.1462	40.759	1.0552	.10787	4.0098	.41162	17.832	4.5449
#1	.00025	2.1533	.00496	.05936	.13322	.00015	32.806	.00013	.00151
#2	-.00031	2.1885	.00274	.05848	.13301	.00014	32.997	.00016	.00142
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Cr2677	Cu3247	Fe2599	K_7664	K_7664-2	Li6707	Mg2790	Mn2576	Mo2020
Line	267.716 {126}	324.754 {104}	259.940 {130}	766.490 { 44}	766.490 { 44}2	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}
IS Ref	(Y_3600)	(Y_3600)	(Y_3774)	(Y_3774)	(Y_3774)	(Y_3774)	(Y_3600)	(Y_3600)	(Y_2243)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00280**	**.00613**	**1.8327**	**2.1690**	**2.0128**	**.00386**	**7.7375**	**.87339**	**.00053**
Stddev	.00013	.00014	.0077	.0139	.0125	.00021	.0092	.00020	.00021
%RSD	4.6490	2.2108	.42100	.63929	.62256	5.4344	.11953	.02301	40.214
#1	.00271	.00623	1.8273	2.1592	2.0039	.00371	7.7310	.87324	.00038
#2	.00289	.00604	1.8382	2.1788	2.0216	.00401	7.7441	.87353	.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	**5.0021**	**.00269**	**.00162**	**4.670**	**-.00234**	**.00163**	**6.8982**	**.00098**	**.16289**
Stddev	.0063	.00024	.00033	.050	.00059	.00043	.0297	.00013	.00054
%RSD	.12675	9.0045	20.338	1.079	24.996	26.648	.43028	13.437	.33291
#1	4.9977	.00286	.00139	4.706	-.00193	.00194	6.8772	.00088	.16251
#2	5.0066	.00252	.00186	4.635	-.00276	.00132	6.9191	.00107	.16328
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	**.03876**	**-.00143**	**.00410**	**.00610**
Stddev	.00042	.00005	.00004	.00009
%RSD	1.0870	3.7780	.91234	1.4044
#1	.03906	-.00139	.00413	.00616
#2	.03846	-.00147	.00408	.00604
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				
Low Limit				

Int. Std.	In2306	Y_2243	Y_3600	Y_3774
Line	230.606 {446}	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**3423.5**	**4986.7**	**70009.**	**15059.**
Stddev	.2	9.3	46.	42.
%RSD	.00631	.18578	.06529	.28203
#1	3423.7	4993.3	69977.	15089.
#2	3423.4	4980.2	70042.	15029.

Sample Name: 480-55389-E-1-B Acquired: 3/14/2014 0:40:44 Type: Unk
Method: ICAP1 New RLs at low cal point Mode: CONC Corr. Factor: 1.000000
User: AMH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	B_2089	Ba4554-2	Be3130	Ca3179	Cd2288	Co2286
Line	328.068 {103}	308.215 {109}	189.042 {478}	208.959 {461}	455.403 { 74}2	313.042 {108}	317.933 {106}	228.802 {447}	228.616 {447}
IS Ref	(Y_3600)	(Y_3774)	(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**	**2.8004**	**.00074**	**.14646**	**.12035**	**.00011**	**143.45**	**.00054**	**.03044**
Stddev	.00033	.0199	.00334	.00128	.00000	.00000	1.03	.00005	.00004
%RSD	70.594	.70990	453.97	.87526	.00090	.68670	.71993	9.6074	.13344
#1	-.00069	2.8144	.00310	.14737	.12035	.00012	144.18	.00057	.03046
#2	-.00023	2.7863	-.00163	.14555	.12034	.00011	142.72	.00050	.03041
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Cr2677	Cu3247	Fe2599	K_7664	K_7664-2	Li6707	Mg2790	Mn2576	Mo2020
Line	267.716 {126}	324.754 {104}	259.940 {130}	766.490 { 44}	766.490 { 44}2	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}
IS Ref	(Y_3600)	(Y_3600)	(Y_3774)	(Y_3774)	(Y_3774)	(Y_3774)	(Y_3600)	(Y_3600)	(Y_2243)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.83919**	**.03340**	**5.3085**	**2.6733**	**4.1033**	**.01439**	**74.698**	**.66778**	**.06509**
Stddev	.00555	.00037	.0256	.0062	.0067	.00092	.335	.00255	.00003
%RSD	.66077	1.1058	.48300	.23195	.16378	6.4235	.44887	.38171	.04620
#1	.84311	.03314	5.3266	2.6777	4.1080	.01504	74.935	.66958	.06511
#2	.83526	.03367	5.2904	2.6689	4.0985	.01374	74.461	.66598	.06507
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	**194.57**	**.12729**	**.03543**	F **45.09**	**-.00896**	**.00377**	**11.295**	**.00087**	**.49810**
Stddev	.73	.00036	.00107	.17	.00008	.00111	.036	.00004	.00192
%RSD	.37571	.28189	3.0201	.3794	.86986	29.476	.31974	4.7983	.38515
#1	195.08	.12704	.03619	45.21	-.00902	.00456	11.320	.00084	.49945
#2	194.05	.12755	.03467	44.97	-.00891	.00299	11.269	.00090	.49674
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				9.000					
Low Limit				-.2000					

Elem	Ti3349	Tl1908	V_2924	Zn2062
Line	334.904 {101}	190.856 {477}	292.402 {115}	206.200 {163}
IS Ref	(Y_3600)	(In2306)	(Y_3600)	(Y_3600)
Units	ppm	ppm	ppm	ppm
Avg	**.05316**	**-.00112**	**.01275**	**.13091**
Stddev	.00036	.00114	.00048	.00090
%RSD	.68390	102.46	3.7521	.68860
#1	.05341	-.00031	.01309	.13154
#2	.05290	-.00192	.01241	.13027
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				
Low Limit				

Int. Std.	In2306	Y_2243	Y_3600	Y_3774
Line	230.606 {446}	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**2969.0**	**4588.8**	**64995.**	**14457.**
Stddev	.8	2.4	154.	133.
%RSD	.02784	.05290	.23668	.91665
#1	2968.4	4590.5	64886.	14364.
#2	2969.6	4587.1	65104.	14551.

Sample Name: 480-55389-E-2-B Acquired: 3/14/2014 0:43:34 Type: Unk
Method: ICAP1 New RLs at low cal point Mode: CONC Corr. Factor: 1.000000
User: AMH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	B_2089	Ba4554-2	Be3130	Ca3179	Cd2288	Co2286
Line	328.068 {103}	308.215 {109}	189.042 {478}	208.959 {461}	455.403 { 74}2	313.042 {108}	317.933 {106}	228.802 {447}	228.616 {447}
IS Ref	(Y_3600)	(Y_3774)	(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**	**.44229**	**.01345**	**.09102**	**.06191**	**-.00003**	**111.02**	**.00079**	**.02757**
Stddev	.00024	.00300	.00074	.00006	.00012	.00001	.03	.00014	.00006
%RSD	291.96	.67734	5.4852	.06267	.19250	31.468	.02393	17.922	.23546
#1	-.00025	.44018	.01293	.09098	.06199	-.00003	111.00	.00069	.02752
#2	.00009	.44441	.01397	.09106	.06183	-.00004	111.04	.00089	.02761
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Cr2677	Cu3247	Fe2599	K_7664	K_7664-2	Li6707	Mg2790	Mn2576	Mo2020
Line	267.716 {126}	324.754 {104}	259.940 {130}	766.490 { 44}	766.490 { 44}2	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}
IS Ref	(Y_3600)	(Y_3600)	(Y_3774)	(Y_3774)	(Y_3774)	(Y_3774)	(Y_3600)	(Y_3600)	(Y_2243)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00301**	**.00291**	**3.2144**	**1.8120**	**2.7765**	**.00683**	**54.702**	**.33330**	**.01751**
Stddev	.00064	.00021	.0014	.0407	.0015	.00031	.034	.00046	.00005
%RSD	21.333	7.1951	.04187	2.2472	.05269	4.5194	.06255	.13786	.29837
#1	.00256	.00306	3.2154	1.7832	2.7754	.00705	54.726	.33362	.01747
#2	.00347	.00276	3.2135	1.8408	2.7775	.00662	54.677	.33298	.01755
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	**218.82**	**.00348**	**.04588**	F **46.87**	**-.00180**	**.00096**	**6.2265**	**-.00022**	**.53989**
Stddev	.01	.00007	.00111	.10	.00030	.00111	.0002	.00009	.00108
%RSD	.00448	2.0363	2.4229	.2031	16.870	115.10	.00274	42.124	.20039
#1	218.82	.00343	.04666	46.94	-.00158	.00018	6.2263	-.00016	.54066
#2	218.83	.00353	.04509	46.81	-.00201	.00174	6.2266	-.00029	.53913
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				9.000					
Low Limit				-.2000					

Elem	Ti3349	Tl1908	V_2924	Zn2062
Line	334.904 {101}	190.856 {477}	292.402 {115}	206.200 {163}
IS Ref	(Y_3600)	(In2306)	(Y_3600)	(Y_3600)
Units	ppm	ppm	ppm	ppm
Avg	**.01084**	**.00039**	**.00094**	**.26294**
Stddev	.00006	.00359	.00008	.00069
%RSD	.52902	925.26	7.9893	.26331
#1	.01080	.00292	.00089	.26343
#2	.01088	-.00215	.00100	.26245
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				
Low Limit				

Int. Std.	In2306	Y_2243	Y_3600	Y_3774
Line	230.606 {446}	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**3010.5**	**4607.6**	**65427.**	**14528.**
Stddev	5.3	8.6	199.	6.
%RSD	.17552	.18618	.30355	.04376
#1	3006.8	4601.6	65286.	14524.
#2	3014.3	4613.7	65567.	14533.

Sample Name: 480-55389-E-5-B Acquired: 3/14/2014 0:46:25 Type: Unk
Method: ICAP1 New RLs at low cal point Mode: CONC Corr. Factor: 1.000000
User: AMH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	B_2089	Ba4554-2	Be3130	Ca3179	Cd2288	Co2286
Line	328.068 {103}	308.215 {109}	189.042 {478}	208.959 {461}	455.403 { 74}2	313.042 {108}	317.933 {106}	228.802 {447}	228.616 {447}
IS Ref	(Y_3600)	(Y_3774)	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3774)	(Y_3774)	(Y_2243)	(In2306)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00026**	**.79689**	**.00264**	**.11172**	**.10967**	**.00000**	**144.54**	**.00137**	**.13993**
Stddev	.00103	.00861	.00118	.00016	.00027	.00000	.73	.00010	.00043
%RSD	400.87	1.0798	44.927	.14262	.24223	9.4436	.50398	7.0341	.30677
#1	-.00098	.79081	.00180	.11160	.10986	.00000	145.05	.00130	.14023
#2	.00047	.80298	.00347	.11183	.10948	.00000	144.02	.00144	.13962
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Cr2677	Cu3247	Fe2599	K_7664	K_7664-2	Li6707	Mg2790	Mn2576	Mo2020
Line	267.716 {126}	324.754 {104}	259.940 {130}	766.490 { 44}	766.490 { 44}2	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}
IS Ref	(Y_3600)	(Y_3600)	(Y_3774)	(Y_3774)	(Y_3774)	(Y_3774)	(Y_3600)	(Y_3600)	(Y_2243)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.33233**	**.02346**	**1.7921**	**4.2777**	**8.0200**	**.01164**	**60.511**	**.01586**	**.07912**
Stddev	.00078	.00024	.0140	.0432	.0949	.00050	.006	.00009	.00030
%RSD	.23479	1.0430	.77959	1.0098	1.1837	4.2592	.00930	.55374	.37510
#1	.33178	.02329	1.8020	4.3082	8.0872	.01199	60.515	.01580	.07933
#2	.33288	.02363	1.7823	4.2472	7.9529	.01128	60.507	.01592	.07891
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	**600.05**	**.01795**	**.00431**	F **66.15**	**-.00234**	**.00345**	**6.5357**	**.00064**	**.51609**
Stddev	.54	.00060	.00023	.14	.00052	.00073	.0896	.00007	.00209
%RSD	.09000	3.3268	5.3329	.2116	22.297	21.161	1.3712	10.749	.40404
#1	600.43	.01753	.00448	66.25	-.00197	.00293	6.5990	.00059	.51757
#2	599.67	.01837	.00415	66.05	-.00271	.00396	6.4723	.00069	.51462
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				9.000					
Low Limit				-.2000					

Elem	Ti3349	Tl1908	V_2924	Zn2062
Line	334.904 {101}	190.856 {477}	292.402 {115}	206.200 {163}
IS Ref	(Y_3600)	(In2306)	(Y_3600)	(Y_3600)
Units	ppm	ppm	ppm	ppm
Avg	**.01115**	**-.00022**	**.01045**	**.16701**
Stddev	.00004	.00118	.00007	.00029
%RSD	.32451	544.31	.69065	.17382
#1	.01113	-.00105	.01050	.16721
#2	.01118	.00062	.01040	.16680
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				
Low Limit				

Int. Std.	In2306	Y_2243	Y_3600	Y_3774
Line	230.606 {446}	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**2815.4**	**4453.5**	**63521.**	**14307.**
Stddev	2.4	.3	74.	61.
%RSD	.08471	.00675	.11605	.42800
#1	2813.7	4453.3	63573.	14264.
#2	2817.1	4453.7	63469.	14350.

Sample Name: 480-54959-D-1-B Acquired: 3/14/2014 0:49:21 Type: Unk
Method: ICAP1 New RLs at low cal point Mode: CONC Corr. Factor: 1.000000
User: AMH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	B_2089	Ba4554-2	Be3130	Ca3179	Cd2288	Co2286
Line	328.068 {103}	308.215 {109}	189.042 {478}	208.959 {461}	455.403 { 74}2	313.042 {108}	317.933 {106}	228.802 {447}	228.616 {447}
IS Ref	(Y_3600)	(Y_3774)	(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**	**3.2221**	**.00195**	**.01874**	**.02397**	**.00008**	**31.438**	**.00007**	**.00078**
Stddev	.00028	.0505	.00051	.00034	.00012	.00002	.130	.00005	.00001
%RSD	170.93	1.5675	26.261	1.7991	.51550	26.396	.41333	72.350	1.6380
#1	.00003	3.2578	.00159	.01850	.02406	.00010	31.530	.00010	.00077
#2	-.00036	3.1864	.00231	.01898	.02389	.00007	31.346	.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	**.00534**	**.00224**	**3.1842**	**2.9393**	**2.8950**	**.00449**	**7.5890**	**.02743**	**.00028**
Stddev	.00000	.00016	.0111	.0088	.0045	.00082	.0361	.00011	.00015
%RSD	.05295	7.1519	.34939	.30018	.15646	18.231	.47535	.39134	52.123
#1	.00534	.00213	3.1920	2.9330	2.8918	.00507	7.6146	.02751	.00038
#2	.00534	.00235	3.1763	2.9455	2.8982	.00391	7.5635	.02736	.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	**2.3632**	**.00303**	**.00252**	**6.195**	**-.00064**	**.00292**	**5.8968**	**.00003**	**.10237**
Stddev	.0123	.00010	.00079	.005	.00078	.00033	.0371	.00038	.00062
%RSD	.52208	3.1719	31.499	.0746	122.07	11.378	.62956	1414.6	.60428
#1	2.3719	.00310	.00308	6.199	-.00119	.00316	5.9230	-.00024	.10281
#2	2.3544	.00296	.00196	6.192	-.00009	.00269	5.8705	.00029	.10194
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	**.03814**	**.00064**	**.00611**	**.00846**
Stddev	.00112	.00023	.00011	.00096
%RSD	2.9398	35.623	1.8387	11.316
#1	.03734	.00080	.00619	.00914
#2	.03893	.00048	.00603	.00779
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				
Low Limit				

Int. Std.	In2306	Y_2243	Y_3600	Y_3774
Line	230.606 {446}	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**3440.3**	**4936.3**	**72668.**	**15131.**
Stddev	3.5	2.8	426.	1.
%RSD	.10157	.05723	.58598	.00828
#1	3437.9	4934.3	72367.	15131.
#2	3442.8	4938.3	72969.	15132.

Sample Name: 480-54959-D-2-B Acquired: 3/14/2014 0:52:08 Type: Unk
Method: ICAP1 New RLs at low cal point Mode: CONC Corr. Factor: 1.000000
User: AMH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	B_2089	Ba4554-2	Be3130	Ca3179	Cd2288	Co2286
Line	328.068 {103}	308.215 {109}	189.042 {478}	208.959 {461}	455.403 { 74}2	313.042 {108}	317.933 {106}	228.802 {447}	228.616 {447}
IS Ref	(Y_3600)	(Y_3774)	(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**	**1.9337**	**.00212**	**.07304**	**.01897**	**.00015**	**31.007**	**.00013**	**.00660**
Stddev	.00039	.0070	.00027	.00041	.00004	.00001	.042	.00006	.00000
%RSD	98.452	.36450	12.516	.55744	.20709	5.3265	.13391	44.841	.05171
#1	-.00012	1.9387	.00231	.07332	.01900	.00016	31.036	.00009	.00659
#2	-.00066	1.9287	.00193	.07275	.01894	.00015	30.978	.00018	.00660
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Cr2677	Cu3247	Fe2599	K_7664	K_7664-2	Li6707	Mg2790	Mn2576	Mo2020
Line	267.716 {126}	324.754 {104}	259.940 {130}	766.490 { 44}	766.490 { 44}2	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}
IS Ref	(Y_3600)	(Y_3600)	(Y_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**	**.00260**	**1.7826**	**4.1454**	**4.1070**	**.01164**	**16.419**	**.64906**	**-.00016**
Stddev	.00000	.00018	.0022	.0494	.0037	.00027	.051	.00118	.00018
%RSD	.14614	7.0529	.12493	1.1917	.08889	2.2970	.30939	.18147	112.45
#1	.00338	.00273	1.7842	4.1105	4.1096	.01183	16.455	.64989	-.00003
#2	.00339	.00247	1.7811	4.1803	4.1044	.01145	16.384	.64823	-.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	**1.8910**	**.01376**	**.00219**	F **32.05**	**-.00166**	**-.00031**	**4.6269**	**.00027**	**.12827**
Stddev	.0037	.00013	.00017	.17	.00056	.00035	.0114	.00032	.00002
%RSD	.19506	.95195	7.6839	.5329	33.686	109.92	.24725	117.62	.01667
#1	1.8936	.01385	.00231	32.17	-.00126	-.00007	4.6350	.00005	.12826
#2	1.8884	.01366	.00207	31.93	-.00206	-.00056	4.6188	.00050	.12829
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				9.000					
Low Limit				-.2000					

Elem	Ti3349	Tl1908	V_2924	Zn2062
Line	334.904 {101}	190.856 {477}	292.402 {115}	206.200 {163}
IS Ref	(Y_3600)	(In2306)	(Y_3600)	(Y_3600)
Units	ppm	ppm	ppm	ppm
Avg	**.02106**	**.00099**	**.00327**	**.01351**
Stddev	.00125	.00204	.00012	.00046
%RSD	5.9500	207.01	3.7066	3.3895
#1	.02194	.00243	.00336	.01384
#2	.02017	-.00046	.00319	.01319
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				
Low Limit				

Int. Std.	In2306	Y_2243	Y_3600	Y_3774
Line	230.606 {446}	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**3450.3**	**4945.9**	**71442.**	**14976.**
Stddev	1.0	11.0	53.	33.
%RSD	.02991	.22253	.07388	.22363
#1	3451.1	4938.1	71479.	14952.
#2	3449.6	4953.7	71404.	15000.

Sample Name: CCV Acquired: 3/14/2014 0:54:55 Type: QC
Method: ICAP1 New RLs at low cal point Mode: CONC Corr. Factor: 1.000000
User: AMH 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	**.50391**	**25.452**	**.53259**	**.52420**	**.52736**	**.51904**	**24.477**	**.52721**	**.51303**	**.49801**	**.51313**	**25.085**
Stddev	.00020	.088	.00350	.00155	.00071	.00054	.058	.00024	.00021	.00063	.00327	.018
%RSD	.03909	.34416	.65701	.29586	.13370	.10493	.23592	.04618	.04160	.12714	.63745	.07326
#1	.50377	25.390	.53012	.52529	.52686	.51943	24.436	.52704	.51287	.49757	.51082	25.072
#2	.50405	25.514	.53507	.52310	.52785	.51866	24.518	.52738	.51318	.49846	.51545	25.098
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	**25.960**	**25.897**	**.52892**	**25.391**	**.52003**	**.52908**	**25.436**	**.51996**	**.51284**	**25.15**	**.51752**	**.52882**
Stddev	.052	.193	.00053	.073	.00021	.00032	.063	.00069	.00073	.09	.00323	.00330
%RSD	.19906	.74692	.09964	.28569	.04133	.06006	.24912	.13325	.14275	.3585	.62352	.62409
#1	25.923	26.034	.52929	25.340	.51988	.52885	25.391	.52045	.51233	25.09	.51523	.52649
#2	25.996	25.761	.52855	25.442	.52018	.52930	25.480	.51947	.51336	25.22	.51980	.53116
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	**24.407**	**.51106**	**.50948**	**.50297**	**.51595**	**.49110**	**.48144**
Stddev	.108	.00125	.00079	.00099	.00010	.00109	.00243
%RSD	.44132	.24425	.15477	.19589	.01977	.22290	.50576
#1	24.330	.51017	.50892	.50367	.51602	.49032	.48316
#2	24.483	.51194	.51004	.50227	.51588	.49187	.47972
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	**3290.2**	**4932.2**	**70055.**	**14712.**
Stddev	1.3	6.4	45.	30.
%RSD	.04081	.12885	.06466	.20610
#1	3289.3	4927.7	70023.	14734.
#2	3291.2	4936.6	70087.	14691.

Sample Name: CCB Acquired: 3/14/2014 0:57:41 Type: QC
Method: ICAP1 New RLs at low cal point Mode: CONC Corr. Factor: 1.000000
User: AMH 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	**.00042**	**-.01362**	**-.00014**	**.00438**	**.00009**	**-.00002**	**.01911**	**.00008**	**.00006**	**.00007**	**.00015**	**-.00193**
Stddev	.00068	.00703	.00039	.00043	.00001	.00002	.00460	.00009	.00007	.00006	.00005	.00058
%RSD	161.30	51.638	282.16	9.8327	15.998	98.193	24.083	106.85	113.24	89.200	34.568	29.892
#1	-.00006	-.01859	-.00041	.00468	.00008	-.00001	.02237	.00014	.00001	.00003	.00019	-.00152
#2	.00090	-.00865	.00014	.00407	.00010	-.00003	.01586	.00002	.00011	.00012	.00011	-.00233
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	**.02008**	**.00567**	**.00068**	**.01060**	**.00006**	**.00007**	**.04849**	**-.00037**	**.00001**	F **.0460**	**.00091**	**.00024**
Stddev	.00878	.00025	.00038	.00164	.00001	.00007	.00195	.00005	.00040	.0114	.00076	.00165
%RSD	43.742	4.4626	55.052	15.438	14.357	104.47	4.0179	14.535	2810.9	24.87	83.858	696.42
#1	.01387	.00585	.00042	.00944	.00007	.00012	.04987	-.00040	-.00027	.0541	.00145	-.00093
#2	.02630	.00549	.00095	.01175	.00006	.00002	.04711	-.00033	.00030	.0379	.00037	.00141
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
High Limit										.0030		
Low Limit										-.0040		

Elem	Si2881	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.01878**	**-.00045**	**.00017**	**.00031**	**-.00046**	**.00027**	**.00039**
Stddev	.00613	.00032	.00009	.00006	.00005	.00007	.00006
%RSD	32.649	72.181	53.427	19.445	10.116	27.691	14.286
#1	.01445	-.00022	.00023	.00035	-.00049	.00032	.00035
#2	.02312	-.00067	.00010	.00026	-.00043	.00022	.00043
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	**3601.8**	**5109.3**	**72219.**	**14764.**
Stddev	.7	.1	21.	101.
%RSD	.02069	.00279	.02843	.68249
#1	3602.3	5109.4	72205.	14693.
#2	3601.2	5109.2	72234.	14835.

Sample Name: CCVL Acquired: 3/14/2014 1:00:33 Type: QC
Method: ICAP1 New RLs at low cal point Mode: CONC Corr. Factor: 1.000000
User: AMH 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	**.00570**	**.19882**	**.01356**	**.02406**	**.00229**	**.00213**	**.50264**	**.00204**	**.00405**	**.00340**	**.01052**	**.04592**
Stddev	.00011	.00614	.00167	.00013	.00002	.00008	.00150	.00000	.00007	.00003	.00013	.00183
%RSD	1.9161	3.0857	12.348	.53937	.80624	3.8565	.29857	.08129	1.6325	.94171	1.2799	3.9900
#1	.00577	.19448	.01475	.02397	.00228	.00218	.50371	.00204	.00410	.00343	.01062	.04721
#2	.00562	.20316	.01238	.02416	.00231	.00207	.50158	.00204	.00400	.00338	.01042	.04462
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	**.53275**	**.42118**	**.03141**	**.20719**	**.00346**	**.01018**	**1.0662**	**.01092**	**.00961**	**.2158**	**.02131**	**.02582**
Stddev	.02954	.00178	.00014	.00067	.00006	.00008	.0022	.00003	.00036	.0028	.00139	.00280
%RSD	5.5447	.42364	.46150	.32221	1.6036	.79123	.20335	.26881	3.7626	1.296	6.5451	10.838
#1	.55364	.42244	.03151	.20767	.00350	.01013	1.0678	.01094	.00986	.2178	.02229	.02779
#2	.51186	.41992	.03131	.20672	.00342	.01024	1.0647	.01090	.00935	.2138	.02032	.02384
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	**.52281**	**.01097**	**.00502**	**.00493**	**.01902**	**.00537**	**.01003**
Stddev	.00367	.00032	.00003	.00006	.00135	.00009	.00011
%RSD	.70251	2.9088	.59084	1.1559	7.0898	1.6338	1.0803
#1	.52021	.01075	.00499	.00489	.01807	.00530	.01011
#2	.52540	.01120	.00504	.00497	.01997	.00543	.00995
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	**3653.9**	**5237.3**	**72576.**	**14881.**
Stddev	7.1	13.5	2.	110.
%RSD	.19328	.25839	.00334	.73760
#1	3658.9	5246.9	72577.	14804.
#2	3648.9	5227.8	72574.	14959.

Sample Name: 480-54971-E-2-B Acquired: 3/14/2014 1:03:24 Type: Unk
Method: ICAP1 New RLs at low cal point Mode: CONC Corr. Factor: 1.000000
User: AMH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	B_2089	Ba4554-2	Be3130	Ca3179	Cd2288	Co2286
Line	328.068 {103}	308.215 {109}	189.042 {478}	208.959 {461}	455.403 { 74}2	313.042 {108}	317.933 {106}	228.802 {447}	228.616 {447}
IS Ref	(Y_3600)	(Y_3774)	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3774)	(Y_3774)	(Y_2243)	(In2306)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00023**	**2.6112**	**.00128**	**.01860**	**.02976**	**.00011**	**46.952**	**.00012**	**.00104**
Stddev	.00063	.0307	.00058	.00021	.00012	.00007	.097	.00001	.00003
%RSD	273.18	1.1763	45.785	1.1534	.41864	63.758	.20558	12.297	3.0873
#1	-.00021	2.5894	.00086	.01845	.02967	.00006	46.884	.00013	.00106
#2	.00067	2.6329	.00169	.01875	.02985	.00015	47.020	.00011	.00102
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Cr2677	Cu3247	Fe2599	K_7664	K_7664-2	Li6707	Mg2790	Mn2576	Mo2020
Line	267.716 {126}	324.754 {104}	259.940 {130}	766.490 { 44}	766.490 { 44}2	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}
IS Ref	(Y_3600)	(Y_3600)	(Y_3774)	(Y_3774)	(Y_3774)	(Y_3774)	(Y_3600)	(Y_3600)	(Y_2243)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00499**	**.00591**	**2.9361**	**1.6596**	**1.7963**	**.00390**	**14.594**	**.11950**	**.00007**
Stddev	.00012	.00027	.0061	.0034	.0160	.00008	.019	.00013	.00007
%RSD	2.4206	4.5610	.20835	.20214	.89325	2.0570	.13325	.11201	89.613
#1	.00491	.00610	2.9318	1.6573	1.7850	.00384	14.608	.11960	.00012
#2	.00508	.00572	2.9405	1.6620	1.8077	.00395	14.580	.11941	.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	**22.117**	**.00347**	**.00215**	**5.317**	**-.00072**	**.00263**	**7.5844**	**.00042**	**.11528**
Stddev	.039	.00018	.00097	.018	.00133	.00268	.0140	.00006	.00004
%RSD	.17568	5.1210	45.266	.3466	184.67	101.74	.18510	14.759	.03603
#1	22.089	.00359	.00146	5.304	.00022	.00074	7.5943	.00038	.11531
#2	22.144	.00334	.00284	5.330	-.00166	.00452	7.5744	.00046	.11525
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	**.06081**	**.00164**	**.00444**	**.01706**
Stddev	.00288	.00221	.00035	.00010
%RSD	4.7433	134.83	7.8185	.56858
#1	.06285	.00008	.00469	.01699
#2	.05877	.00320	.00420	.01713
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				
Low Limit				

Int. Std.	In2306	Y_2243	Y_3600	Y_3774
Line	230.606 {446}	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**3378.6**	**5040.9**	**69120.**	**14726.**
Stddev	2.7	2.8	161.	37.
%RSD	.07997	.05522	.23305	.24945
#1	3380.5	5042.9	69234.	14752.
#2	3376.7	5039.0	69006.	14700.

Sample Name: 480-54948-D-2-B Acquired: 3/14/2014 1:06:10 Type: Unk
Method: ICAP1 New RLs at low cal point Mode: CONC Corr. Factor: 1.000000
User: AMH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	B_2089	Ba4554-2	Be3130	Ca3179	Cd2288	Co2286
Line	328.068 {103}	308.215 {109}	189.042 {478}	208.959 {461}	455.403 { 74}2	313.042 {108}	317.933 {106}	228.802 {447}	228.616 {447}
IS Ref	(Y_3600)	(Y_3774)	(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**	**2.5562**	**.00288**	**.03246**	**.33947**	**.00011**	**109.74**	**.00024**	**.00103**
Stddev	.00026	.0173	.00143	.00019	.00020	.00002	.70	.00004	.00020
%RSD	197.46	.67509	49.558	.58474	.05907	15.288	.63407	16.575	19.136
#1	.00005	2.5684	.00388	.03260	.33933	.00013	110.24	.00021	.00089
#2	-.00032	2.5440	.00187	.03233	.33961	.00010	109.25	.00027	.00117
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Cr2677	Cu3247	Fe2599	K_7664	K_7664-2	Li6707	Mg2790	Mn2576	Mo2020
Line	267.716 {126}	324.754 {104}	259.940 {130}	766.490 { 44}	766.490 { 44}2	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}
IS Ref	(Y_3600)	(Y_3600)	(Y_3774)	(Y_3774)	(Y_3774)	(Y_3774)	(Y_3600)	(Y_3600)	(Y_2243)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00478**	**.01799**	**2.0514**	**2.6448**	**3.0758**	**.03546**	**36.724**	**.03858**	**.00044**
Stddev	.00012	.00019	.0042	.0138	.0037	.00054	.034	.00026	.00020
%RSD	2.4953	1.0709	.20500	.52259	.11962	1.5347	.09150	.68129	45.789
#1	.00487	.01785	2.0484	2.6546	3.0784	.03585	36.701	.03840	.00030
#2	.00470	.01812	2.0543	2.6351	3.0732	.03508	36.748	.03877	.00059
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Na5895	Ni2316	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899	Sr4077
Line	589.592 { 57}	231.604 {446}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}2	189.989 {477}	407.771 { 83}
IS Ref	(Y_3774)	(In2306)	(In2306)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3774)	(In2306)	(Y_3774)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**19.911**	**.00455**	**.00303**	F **11.82**	**-.00194**	**.00276**	**11.692**	**-.00017**	**.82769**
Stddev	.066	.00001	.00031	.03	.00091	.00159	.059	.00022	.00249
%RSD	.33272	.25535	10.220	.2268	47.033	57.468	.50756	129.56	.30099
#1	19.958	.00454	.00325	11.80	-.00259	.00388	11.734	-.00032	.82945
#2	19.864	.00456	.00281	11.84	-.00130	.00164	11.650	-.00001	.82593
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				9.000					
Low Limit				-.2000					

Elem	Ti3349	Tl1908	V_2924	Zn2062
Line	334.904 {101}	190.856 {477}	292.402 {115}	206.200 {163}
IS Ref	(Y_3600)	(In2306)	(Y_3600)	(Y_3600)
Units	ppm	ppm	ppm	ppm
Avg	**.04370**	**.00103**	**.00465**	**.01161**
Stddev	.00075	.00252	.00007	.00032
%RSD	1.7218	244.87	1.5179	2.7992
#1	.04317	.00281	.00460	.01138
#2	.04423	-.00075	.00470	.01184
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				
Low Limit				

Int. Std.	In2306	Y_2243	Y_3600	Y_3774
Line	230.606 {446}	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**3251.4**	**4967.3**	**68228.**	**14764.**
Stddev	5.3	2.1	34.	101.
%RSD	.16302	.04167	.04954	.68244
#1	3255.1	4968.8	68252.	14693.
#2	3247.6	4965.9	68204.	14835.

Sample Name: 480-55783-I-1-A Acquired: 3/14/2014 1:08:56 Type: Unk
Method: ICAP1 New RLs at low cal point Mode: CONC Corr. Factor: 1.000000
User: AMH 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	**.00486**	**58.076**	**.00621**	**.01032**	**.81173**	**.00015**	**37.609**	**.00312**	**.04218**
Stddev	.00018	.205	.00083	.00015	.00343	.00011	.152	.00001	.00022
%RSD	3.6423	.35255	13.294	1.4983	.42206	75.177	.40531	.47462	.52280
#1	.00499	57.931	.00563	.01043	.80930	.00023	37.501	.00313	.04203
#2	.00474	58.221	.00680	.01021	.81415	.00007	37.717	.00311	.04234
Check ?	Chk 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	**.13016**	**.14617**	**83.872**	**26.681**	**27.545**	**.05774**	**29.923**	**1.9091**	**.00144**
Stddev	.00030	.00039	.534	.062	.128	.00041	.008	.0019	.00009
%RSD	.23116	.26856	.63648	.23202	.46524	.70336	.02595	.09866	6.1593
#1	.12995	.14589	83.495	26.637	27.455	.05745	29.929	1.9105	.00138
#2	.13037	.14645	84.250	26.724	27.636	.05803	29.918	1.9078	.00151
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	**17.515**	**.09350**	**.05590**	**4.519**	**-.00041**	**.00125**	**55.181**	**.02521**	**.16911**
Stddev	.068	.00093	.00059	.020	.00013	.00280	.293	.00012	.00031
%RSD	.38715	.99568	1.0600	.4343	31.062	223.31	.53081	.46424	.18113
#1	17.467	.09416	.05631	4.533	-.00050	-.00073	54.974	.02513	.16889
#2	17.563	.09284	.05548	4.505	-.00032	.00323	55.388	.02529	.16932
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	**5.8009**	**.00115**	**.15406**	**.30943**
Stddev	.0069	.00212	.00068	.00280
%RSD	.11949	183.82	.44248	.90477
#1	5.8058	-.00035	.15358	.31141
#2	5.7960	.00265	.15454	.30745
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				
Low Limit				

Int. Std.	In2306	Y_2243	Y_3600	Y_3774
Line	230.606 {446}	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**3250.5**	**5113.2**	**69132.**	**14871.**
Stddev	2.4	.1	98.	72.
%RSD	.07322	.00256	.14202	.48374
#1	3252.2	5113.3	69202.	14922.
#2	3248.8	5113.1	69063.	14820.

Sample Name: 480-55783-I-2-A Acquired: 3/14/2014 1:11:50 Type: Unk
Method: ICAP1 New RLs at low cal point Mode: CONC Corr. Factor: 1.000000
User: AMH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	B_2089	Ba4554-2	Be3130	Ca3179	Cd2288	Co2286
Line	328.068 {103}	308.215 {109}	189.042 {478}	208.959 {461}	455.403 { 74}2	313.042 {108}	317.933 {106}	228.802 {447}	228.616 {447}
IS Ref	(Y_3600)	(Y_3774)	(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**	**2.0623**	**.00707**	**.00960**	**.19241**	**.00009**	**69.304**	**.00038**	**.00237**
Stddev	.00034	.0276	.00052	.00003	.00015	.00001	.390	.00002	.00009
%RSD	239.92	1.3397	7.3590	.27291	.07559	8.8022	.56314	5.5896	3.9088
#1	-.00038	2.0819	.00671	.00962	.19231	.00008	69.580	.00036	.00244
#2	.00010	2.0428	.00744	.00958	.19251	.00009	69.028	.00039	.00231
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Cr2677	Cu3247	Fe2599	K_7664	K_7664-2	Li6707	Mg2790	Mn2576	Mo2020
Line	267.716 {126}	324.754 {104}	259.940 {130}	766.490 { 44}	766.490 { 44}2	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}
IS Ref	(Y_3600)	(Y_3600)	(Y_3774)	(Y_3774)	(Y_3774)	(Y_3774)	(Y_3600)	(Y_3600)	(Y_2243)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00470**	**.01229**	**22.681**	**4.4171**	**4.4837**	**.00254**	**17.277**	**2.2281**	**.00088**
Stddev	.00075	.00005	.066	.0452	.0228	.00021	.038	.0017	.00018
%RSD	16.013	.40541	.28909	1.0228	.50926	8.3657	.21961	.07563	20.068
#1	.00524	.01225	22.727	4.4490	4.4998	.00239	17.250	2.2270	.00076
#2	.00417	.01232	22.634	4.3851	4.4676	.00269	17.304	2.2293	.00101
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	**3.0944**	**.00355**	**.00633**	**1.712**	**-.00007**	**.00286**	**7.0661**	**.00237**	**.21291**
Stddev	.0150	.00046	.00163	.006	.00186	.00447	.0373	.00043	.00097
%RSD	.48494	12.899	25.674	.3555	2718.7	156.18	.52803	18.005	.45373
#1	3.1051	.00387	.00748	1.716	.00125	.00602	7.0925	.00267	.21359
#2	3.0838	.00323	.00518	1.708	-.00138	-.00030	7.0397	.00207	.21223
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	**.13959**	**-.00120**	**.01046**	**.04683**
Stddev	.00085	.00256	.00014	.00058
%RSD	.61103	212.96	1.3701	1.2309
#1	.13898	-.00302	.01056	.04642
#2	.14019	.00061	.01036	.04724
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				
Low Limit				

Int. Std.	In2306	Y_2243	Y_3600	Y_3774
Line	230.606 {446}	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**3354.3**	**5017.0**	**67569.**	**14508.**
Stddev	1.5	.9	110.	66.
%RSD	.04514	.01797	.16284	.45246
#1	3355.4	5017.6	67646.	14461.
#2	3353.3	5016.3	67491.	14554.

Sample Name: LB 480-169323/1-E Acquired: 3/14/2014 1:14:35 Type: Unk
Method: ICAP1 New RLs at low cal point Mode: CONC Corr. Factor: 1.000000
User: AMH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	B_2089	Ba4554-2	Be3130	Ca3179	Cd2288	Co2286
Line	328.068 {103}	308.215 {109}	189.042 {478}	208.959 {461}	455.403 { 74}2	313.042 {108}	317.933 {106}	228.802 {447}	228.616 {447}
IS Ref	(Y_3600)	(Y_3774)	(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**	**.00856**	**.00200**	**.01343**	F **.00849**	**.00004**	**.23609**	**.00015**	**.00033**
Stddev	.00044	.00676	.00237	.00011	.00001	.00001	.00109	.00001	.00004
%RSD	110.55	78.994	118.60	.82553	.12472	18.207	.46306	9.0690	11.165
#1	-.00071	.00378	.00032	.01351	.00850	.00004	.23532	.00014	.00036
#2	-.00009	.01334	.00368	.01335	.00848	.00003	.23686	.00016	.00030
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					.00200				
Low Limit					-.00300				

Elem	Cr2677	Cu3247	Fe2599	K_7664	K_7664-2	Li6707	Mg2790	Mn2576	Mo2020
Line	267.716 {126}	324.754 {104}	259.940 {130}	766.490 { 44}	766.490 { 44}2	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}
IS Ref	(Y_3600)	(Y_3600)	(Y_3774)	(Y_3774)	(Y_3774)	(Y_3774)	(Y_3600)	(Y_3600)	(Y_2243)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00249**	**.00427**	**.00705**	F **.59087**	F **1.1595**	**.00114**	**.03432**	**.00187**	**.00015**
Stddev	.00041	.00018	.00064	.02352	.0061	.00114	.01165	.00009	.00002
%RSD	16.427	4.1977	9.0856	3.9805	.52784	99.698	33.936	5.0413	11.465
#1	.00220	.00414	.00660	.57424	1.1638	.00195	.04255	.00194	.00016
#2	.00278	.00439	.00750	.60751	1.1551	.00034	.02608	.00181	.00014
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				.50000	.50000				
Low Limit				-.50000	-.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	F **1556.5**	**.00076**	**.00068**	**.0828**	**-.00224**	**.00240**	**.04182**	**.00118**	**.00184**
Stddev	2.3	.00040	.00046	.0002	.00094	.00057	.00035	.00026	.00014
%RSD	.14638	53.041	67.688	.2501	41.743	23.574	.84711	22.199	7.4938
#1	1558.1	.00047	.00101	.0827	-.00291	.00200	.04157	.00137	.00174
#2	1554.9	.00104	.00036	.0830	-.00158	.00281	.04207	.00100	.00193
Check ?	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	1.0000								
Low Limit	-.50000								

Elem	Ti3349	Tl1908	V_2924	Zn2062
Line	334.904 {101}	190.856 {477}	292.402 {115}	206.200 {163}
IS Ref	(Y_3600)	(In2306)	(Y_3600)	(Y_3600)
Units	ppm	ppm	ppm	ppm
Avg	**.00038**	**-.00278**	**.00035**	F **.02088**
Stddev	.00021	.00051	.00013	.00027
%RSD	56.750	18.426	38.082	1.3065
#1	.00023	-.00314	.00045	.02069
#2	.00053	-.00242	.00026	.02107
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Fail
High Limit				.01000
Low Limit				-.00300

Int. Std.	In2306	Y_2243	Y_3600	Y_3774
Line	230.606 {446}	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**2717.2**	**4563.6**	**58404.**	**13944.**
Stddev	.4	5.6	146.	31.
%RSD	.01554	.12297	.25007	.22118
#1	2716.9	4559.6	58301.	13922.
#2	2717.5	4567.5	58507.	13966.

Sample Name: MB 480-169688/2-A Acquired: 3/14/2014 1:17:32 Type: Unk
Method: ICAP1 New RLs at low cal point Mode: CONC Corr. Factor: 1.000000
User: AMH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	B_2089	Ba4554-2	Be3130	Ca3179	Cd2288	Co2286
Line	328.068 {103}	308.215 {109}	189.042 {478}	208.959 {461}	455.403 { 74}2	313.042 {108}	317.933 {106}	228.802 {447}	228.616 {447}
IS Ref	(Y_3600)	(Y_3774)	(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**	**.01002**	**.00106**	**.00293**	**.00009**	**.00004**	**.01049**	**.00002**	**.00005**
Stddev	.00021	.00207	.00069	.00021	.00001	.00001	.00092	.00004	.00007
%RSD	311.34	20.613	64.462	7.0531	8.1517	23.067	8.7236	168.72	142.39
#1	.00021	.01148	.00155	.00278	.00010	.00005	.01114	-.00000	-.00000
#2	-.00008	.00856	.00058	.00307	.00009	.00003	.00984	.00005	.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	**.00015**	**.00113**	**-.00248**	**.06271**	**.00094**	**.00098**	**.00352**	**.00103**	**-.00007**
Stddev	.00008	.00007	.00108	.00933	.00003	.00063	.00047	.00007	.00014
%RSD	52.779	5.9565	43.358	14.877	2.7483	63.745	13.427	6.4431	194.15
#1	.00010	.00108	-.00172	.06930	.00096	.00142	.00319	.00099	-.00017
#2	.00021	.00117	-.00324	.05611	.00093	.00054	.00386	.00108	.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	**.21794**	**-.00055**	**-.00008**	**.0141**	**-.00136**	**-.00035**	**.00506**	**.00012**	**-.00010**
Stddev	.01404	.00007	.00055	.0009	.00093	.00257	.00723	.00001	.00005
%RSD	6.4436	13.483	733.91	6.461	68.799	741.30	142.94	8.6696	50.731
#1	.22787	-.00060	-.00047	.0147	-.00070	-.00216	-.00005	.00013	-.00013
#2	.20801	-.00049	.00032	.0134	-.00202	.00147	.01017	.00011	-.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	Ti3349	Tl1908	V_2924	Zn2062
Line	334.904 {101}	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**	**-.00030**	**.00032**	**-.00022**
Stddev	.00010	.00106	.00019	.00050
%RSD	53.555	350.66	60.006	225.35
#1	.00011	-.00106	.00018	-.00058
#2	.00025	.00045	.00046	.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	**3610.6**	**5213.7**	**70961.**	**14828.**
Stddev	2.6	1.4	41.	50.
%RSD	.07245	.02603	.05762	.33934
#1	3612.4	5212.7	70990.	14792.
#2	3608.7	5214.6	70932.	14863.

Sample Name: LCS 480-169688/3-A Acquired: 3/14/2014 1:20:22 Type: Unk
Method: ICAP1 New RLs at low cal point Mode: CONC Corr. Factor: 1.000000
User: AMH 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	**1.1702**	**.01623**	**1.1430**	**.01228**	**1.0395**	**1.0070**	**.23998**	**1.1075**	**1.0777**
Stddev	.0019	.00757	.0015	.00000	.0023	.0002	.00419	.0004	.0022
%RSD	.16242	46.661	.13312	.01835	.22556	.01949	1.7443	.03895	.20168
#1	1.1688	.01088	1.1420	.01228	1.0411	1.0072	.24294	1.1078	1.0762
#2	1.1715	.02159	1.1441	.01228	1.0378	1.0069	.23702	1.1072	1.0793
Check ?	Chk Pass	None	Chk Pass	None	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Cr2677	Cu3247	Fe2599	K_7664	K_7664-2	Li6707	Mg2790	Mn2576	Mo2020
Line	267.716 {126}	324.754 {104}	259.940 {130}	766.490 { 44}	766.490 { 44}2	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}
IS Ref	(Y_3600)	(Y_3600)	(Y_3774)	(Y_3774)	(Y_3774)	(Y_3774)	(Y_3600)	(Y_3600)	(Y_2243)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.0656**	**1.1076**	**.00387**	**.55203**	**1.1468**	**.00032**	**.01974**	**1.0285**	**1.0129**
Stddev	.0017	.0024	.00056	.00775	.0009	.00068	.00408	.0013	.0016
%RSD	.15881	.21842	14.404	1.4039	.07477	211.62	20.688	.12158	.15638
#1	1.0668	1.1059	.00347	.55751	1.1474	-.00016	.02263	1.0294	1.0118
#2	1.0644	1.1093	.00426	.54655	1.1462	.00080	.01685	1.0277	1.0140
Check ?	Chk Pass	Chk Pass	None	None	None	None	None	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Na8183	Ni2316	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899	Sr4077
Line	818.326 { 41}	231.604 {446}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}2	189.989 {477}	407.771 { 83}
IS Ref	(Y_3774)	(In2306)	(In2306)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3774)	(In2306)	(Y_3774)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1533.6**	**1.0465**	**1.0683**	F **.0642**	**1.0788**	**1.1446**	**.03180**	**.00119**	**1.0538**
Stddev	1.1	.0025	.0040	.0007	.0025	.0053	.00294	.00018	.0055
%RSD	.07319	.24178	.37079	1.025	.23418	.46292	9.2452	14.872	.51990
#1	1534.4	1.0447	1.0655	.0637	1.0770	1.1408	.02972	.00131	1.0577
#2	1532.8	1.0483	1.0711	.0646	1.0806	1.1483	.03388	.00106	1.0499
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	**.00126**	**.97879**	**1.1165**	**1.1747**
Stddev	.00046	.00196	.0017	.0006
%RSD	36.424	.19979	.14836	.05289
#1	.00094	.98018	1.1154	1.1751
#2	.00158	.97741	1.1177	1.1742
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	**2715.8**	**4588.3**	**58244.**	**13838.**
Stddev	5.3	8.1	37.	89.
%RSD	.19635	.17629	.06437	.64534
#1	2719.5	4594.0	58271.	13775.
#2	2712.0	4582.6	58218.	13902.

Sample Name: 480-55277-A-1-C Acquired: 3/14/2014 1:23:13 Type: Unk
Method: ICAP1 New RLs at low cal point Mode: CONC Corr. Factor: 1.000000
User: AMH 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	**.00097**	**.11453**	**-.00173**	**.91059**	**.74846**	**.00007**	**356.49**	**.24711**	**.08521**
Stddev	.00017	.00315	.00042	.00135	.00042	.00008	3.93	.00001	.00039
%RSD	17.251	2.7545	24.482	.14868	.05557	117.86	1.1027	.00391	.46026
#1	.00109	.11676	-.00143	.90963	.74817	.00013	353.71	.24711	.08549
#2	.00085	.11229	-.00203	.91155	.74876	.00001	359.27	.24710	.08493
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Cr2677	Cu3247	Fe2599	K_7664	K_7664-2	Li6707	Mg2790	Mn2576	Mo2020
Line	267.716 {126}	324.754 {104}	259.940 {130}	766.490 { 44}	766.490 { 44}2	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}
IS Ref	(Y_3600)	(Y_3600)	(Y_3774)	(Y_3774)	(Y_3774)	(Y_3774)	(Y_3600)	(Y_3600)	(Y_2243)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**6.3626**	**.07857**	**.10559**	**3.0142**	**6.9369**	**.01099**	**3.2032**	**.11264**	**.04368**
Stddev	.0147	.00081	.00153	.0036	.0500	.00080	.0095	.00007	.00012
%RSD	.23024	1.0279	1.4504	.12020	.72102	7.2426	.29507	.06537	.26811
#1	6.3523	.07914	.10450	3.0117	6.9015	.01155	3.1965	.11258	.04360
#2	6.3730	.07800	.10667	3.0168	6.9722	.01042	3.2099	.11269	.04377
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Na8183	Ni2316	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899	Sr4077
Line	818.326 { 41}	231.604 {446}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}2	189.989 {477}	407.771 { 83}
IS Ref	(Y_3774)	(In2306)	(In2306)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3774)	(In2306)	(Y_3774)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1590.8**	**.00558**	**.57921**	**6.064**	**.13963**	**.00425**	**1.4357**	**.00166**	F **41.528**
Stddev	1.2	.00070	.00083	.019	.00133	.00010	.0011	.00010	.715
%RSD	.07833	12.572	.14356	.3082	.95191	2.3100	.07406	6.2734	1.7216
#1	1590.0	.00509	.57862	6.051	.13869	.00418	1.4350	.00159	41.022
#2	1591.7	.00608	.57980	6.078	.14057	.00432	1.4365	.00173	42.033
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail
High Limit									9.0000
Low Limit									-.00500

Elem	Ti3349	Tl1908	V_2924	Zn2062
Line	334.904 {101}	190.856 {477}	292.402 {115}	206.200 {163}
IS Ref	(Y_3600)	(In2306)	(Y_3600)	(Y_3600)
Units	ppm	ppm	ppm	ppm
Avg	**.00175**	**.00134**	**.00213**	F **234.51**
Stddev	.00042	.00111	.00010	.47
%RSD	24.023	82.681	4.7058	.20066
#1	.00145	.00056	.00206	234.18
#2	.00205	.00212	.00220	234.84
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Fail
High Limit				18.000
Low Limit				-.01000

Int. Std.	In2306	Y_2243	Y_3600	Y_3774
Line	230.606 {446}	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**2507.0**	**4275.6**	**56001.**	**13656.**
Stddev	1.9	2.0	163.	143.
%RSD	.07761	.04652	.29109	1.0491
#1	2505.6	4277.0	56116.	13757.
#2	2508.3	4274.2	55886.	13554.

Sample Name: RB Acquired: 3/14/2014 1:26:24 Type: Unk
Method: ICAP1 New RLs at low cal point Mode: CONC Corr. Factor: 1.000000
User: AMH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	B_2089	Ba4554-2	Be3130	Ca3179	Cd2288	Co2286
Line	328.068 {103}	308.215 {109}	189.042 {478}	208.959 {461}	455.403 { 74}2	313.042 {108}	317.933 {106}	228.802 {447}	228.616 {447}
IS Ref	(Y_3600)	(Y_3774)	(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**	**.00917**	**.00105**	**.00327**	**.00020**	**.00004**	**.02635**	**.00008**	**.00005**
Stddev	.00044	.01004	.00241	.00010	.00002	.00009	.00211	.00006	.00001
%RSD	323.30	109.47	228.89	3.1316	8.9178	209.48	8.0242	79.212	17.004
#1	-.00045	.00207	-.00065	.00335	.00019	-.00002	.02785	.00012	.00004
#2	.00018	.01627	.00275	.00320	.00022	.00010	.02486	.00003	.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	**.00039**	**.00141**	**-.00422**	**.08210**	**.00093**	**.00108**	**.00137**	**-.00000**	**-.00009**
Stddev	.00004	.00024	.00417	.01675	.00026	.00024	.00305	.00000	.00013
%RSD	10.668	17.381	98.698	20.407	27.644	22.262	222.53	262.48	138.45
#1	.00036	.00158	-.00717	.07026	.00111	.00126	.00353	-.00000	-.00019
#2	.00042	.00123	-.00128	.09395	.00075	.00091	-.00079	.00000	-.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	**.31014**	**.00003**	**.00093**	**.0062**	**.00151**	**.00070**	**-.00030**	**.00014**	**.00293**
Stddev	.01466	.00033	.00070	.0012	.00073	.00093	.00941	.00023	.00027
%RSD	4.7263	1180.6	75.380	19.95	48.169	132.09	3114.6	163.03	9.3192
#1	.32051	-.00020	.00143	.0071	.00100	.00005	-.00695	-.00002	.00312
#2	.29978	.00026	.00044	.0053	.00203	.00135	.00635	.00030	.00273
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Ti3349	Tl1908	V_2924	Zn2062
Line	334.904 {101}	190.856 {477}	292.402 {115}	206.200 {163}
IS Ref	(Y_3600)	(In2306)	(Y_3600)	(Y_3600)
Units	ppm	ppm	ppm	ppm
Avg	**-.00014**	**-.00038**	**.00059**	**.01652**
Stddev	.00018	.00092	.00007	.00323
%RSD	130.42	245.50	11.715	19.563
#1	-.00001	-.00103	.00054	.01880
#2	-.00027	.00028	.00064	.01423
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				
Low Limit				

Int. Std.	In2306	Y_2243	Y_3600	Y_3774
Line	230.606 {446}	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**3576.1**	**5174.7**	**69531.**	**14335.**
Stddev	5.6	2.3	198.	6.
%RSD	.15607	.04505	.28524	.03919
#1	3572.2	5173.0	69671.	14331.
#2	3580.1	5176.3	69391.	14339.

Sample Name: CCV Acquired: 3/14/2014 1:29:17 Type: QC
Method: ICAP1 New RLs at low cal point Mode: CONC Corr. Factor: 1.000000
User: AMH 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	**.52462**	**26.230**	**.52305**	**.51264**	**.53484**	**.50996**	**25.608**	**.52380**	**.51833**	**.52500**	**.53818**	**24.634**
Stddev	.00039	.149	.00264	.00056	.00042	.00304	.065	.00007	.00065	.00051	.00161	.125
%RSD	.07451	.56789	.50460	.10923	.07942	.59569	.25339	.01327	.12526	.09789	.29944	.50648
#1	.52434	26.125	.52491	.51304	.53454	.51211	25.654	.52385	.51787	.52464	.53932	24.722
#2	.52489	26.336	.52118	.51224	.53514	.50781	25.562	.52375	.51879	.52537	.53704	24.546
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	**26.950**	**26.854**	**.53820**	**26.273**	**.52423**	**.52803**	**27.307**	**.51338**	**.51807**	**26.30**	**.53449**	**.51352**
Stddev	.057	.001	.00293	.018	.00019	.00023	.098	.00150	.00231	.10	.00205	.00294
%RSD	.21216	.00211	.54456	.06910	.03584	.04317	.35979	.29232	.44626	.3802	.38275	.57314
#1	26.909	26.855	.53613	26.286	.52410	.52819	27.238	.51232	.51643	26.37	.53594	.51560
#2	26.990	26.854	.54027	26.261	.52436	.52787	27.377	.51444	.51970	26.22	.53305	.51144
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	**25.555**	**.53901**	**.53442**	**.54672**	**.51393**	**.54145**	**.53791**
Stddev	.141	.00110	.00258	.00108	.00232	.00147	.00389
%RSD	.55174	.20320	.48354	.19785	.45080	.27218	.72299
#1	25.455	.53979	.53259	.54748	.51557	.54249	.54066
#2	25.655	.53824	.53624	.54595	.51230	.54041	.53516
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	**3269.8**	**5014.6**	**66656.**	**14298.**
Stddev	1.9	6.0	130.	107.
%RSD	.05955	.12031	.19483	.74608
#1	3268.4	5010.3	66565.	14223.
#2	3271.1	5018.8	66748.	14374.

Sample Name: CCB Acquired: 3/14/2014 1:32:03 Type: QC
Method: ICAP1 New RLs at low cal point Mode: CONC Corr. Factor: 1.000000
User: AMH 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	**-.00005**	**-.00037**	**.00007**	**.00270**	**.00008**	**.00006**	**.01783**	**.00007**	**.00004**	**.00006**	**.00098**	**-.00167**
Stddev	.00084	.01330	.00051	.00008	.00000	.00004	.00115	.00006	.00001	.00005	.00003	.00012
%RSD	1593.2	3635.4	789.83	3.0995	.91312	74.449	6.4715	80.566	23.560	89.822	2.7376	7.1110
#1	-.00064	.00904	.00043	.00276	.00008	.00009	.01702	.00011	.00005	.00002	.00100	-.00159
#2	.00054	-.00977	-.00030	.00264	.00008	.00003	.01865	.00003	.00004	.00009	.00096	-.00176
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	**.05293**	**.00484**	**.00090**	**.00119**	**.00007**	**.00004**	**.10088**	**-.00050**	**.00113**	F **.0152**	**-.00060**	**.00336**
Stddev	.00301	.00013	.00025	.00035	.00007	.00014	.00632	.00003	.00052	.0017	.00067	.00136
%RSD	5.6830	2.7648	27.872	29.658	100.78	337.64	6.2606	6.2665	45.921	10.98	112.41	40.338
#1	.05080	.00475	.00072	.00144	.00002	-.00006	.10534	-.00052	.00076	.0164	-.00012	.00240
#2	.05505	.00494	.00107	.00094	.00011	.00014	.09641	-.00048	.00149	.0141	-.00108	.00432
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
High Limit										.0030		
Low Limit										-.0040		

Elem	Si2881	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.02302**	**.00046**	**.00021**	**.00038**	**.00198**	**.00020**	**.00192**
Stddev	.00084	.00000	.00003	.00028	.00172	.00003	.00043
%RSD	3.6483	.34510	12.231	72.181	86.860	13.893	22.575
#1	.02243	.00046	.00019	.00019	.00076	.00022	.00223
#2	.02361	.00046	.00023	.00058	.00319	.00018	.00162
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	**3571.1**	**5126.6**	**70001.**	**14375.**
Stddev	3.1	10.7	218.	5.
%RSD	.08622	.20882	.31158	.03536
#1	3568.9	5134.2	70155.	14372.
#2	3573.3	5119.1	69846.	14379.

Sample Name: CCVL Acquired: 3/14/2014 1:34:56 Type: QC
Method: ICAP1 New RLs at low cal point Mode: CONC Corr. Factor: 1.000000
User: AMH 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	**.00595**	**.20366**	**.01661**	**.02203**	**.00229**	**.00212**	**.49862**	**.00194**	**.00405**	**.00398**	**.01086**	**.04592**
Stddev	.00043	.01053	.00077	.00011	.00001	.00002	.00340	.00004	.00002	.00025	.00003	.00278
%RSD	7.3019	5.1714	4.6344	.50250	.47356	.76805	.68145	2.2655	.55043	6.1736	.27943	6.0577
#1	.00626	.21111	.01715	.02195	.00228	.00214	.50102	.00191	.00404	.00381	.01088	.04395
#2	.00565	.19621	.01607	.02211	.00230	.00211	.49621	.00197	.00407	.00415	.01084	.04789
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	**.54672**	**.42155**	**.03075**	**.20896**	**.00344**	**.01037**	**1.1298**	**.01051**	**.00886**	**.2113**	**.01976**	**.02458**
Stddev	.00551	.00236	.00073	.00201	.00004	.00002	.0024	.00029	.00127	.0033	.00125	.00097
%RSD	1.0070	.55924	2.3864	.96268	1.1602	.20565	.21019	2.7694	14.338	1.569	6.3088	3.9486
#1	.54283	.41988	.03023	.20753	.00347	.01039	1.1315	.01031	.00976	.2136	.01888	.02527
#2	.55061	.42322	.03127	.21038	.00341	.01036	1.1281	.01072	.00796	.2089	.02064	.02389
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	**.49743**	**.01036**	**.00525**	**.00504**	**.02146**	**.00513**	**.01276**
Stddev	.00140	.00002	.00002	.00021	.00042	.00021	.00063
%RSD	.28242	.14503	.38786	4.2600	1.9712	4.1704	4.9235
#1	.49644	.01037	.00524	.00519	.02116	.00528	.01232
#2	.49843	.01035	.00527	.00488	.02176	.00498	.01321
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	**3639.2**	**5211.7**	**72317.**	**14741.**
Stddev	1.2	9.7	58.	16.
%RSD	.03402	.18688	.08049	.11088
#1	3640.1	5218.6	72358.	14753.
#2	3638.3	5204.9	72276.	14729.

Sample Name: 480-55320-A-1-J Acquired: 3/14/2014 1:37:46 Type: Unk
Method: ICAP1 New RLs at low cal point Mode: CONC Corr. Factor: 1.000000
User: AMH 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	**.00047**	**.07991**	**.00230**	**.22729**	F **40.663**	**.00006**	**75.703**	F **-.00157**	F **-.00458**
Stddev	.00034	.00048	.00078	.00023	.416	.00000	.183	.00007	.00010
%RSD	73.237	.59462	33.934	.09980	1.0227	2.1976	.24118	4.4112	2.0771
#1	.00023	.08025	.00175	.22745	40.957	.00006	75.832	-.00162	-.00465
#2	.00071	.07958	.00285	.22713	40.369	.00006	75.574	-.00153	-.00451
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Fail	Chk Fail
High Limit					9.0000			4.5000	18.000
Low Limit					-.00200			-.00100	-.00400

Elem	Cr2677	Cu3247	Fe2599	K_7664	K_7664-2	Li6707	Mg2790	Mn2576	Mo2020
Line	267.716 {126}	324.754 {104}	259.940 {130}	766.490 { 44}	766.490 { 44}2	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}
IS Ref	(Y_3600)	(Y_3600)	(Y_3774)	(Y_3774)	(Y_3774)	(Y_3774)	(Y_3600)	(Y_3600)	(Y_2243)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00109**	**.00206**	**1.1373**	**1.0340**	**1.5749**	**.40153**	**7.8629**	**.51146**	**.00010**
Stddev	.00008	.00025	.0008	.0127	.0046	.00114	.0089	.00053	.00011
%RSD	6.9469	12.295	.06551	1.2279	.29020	.28300	.11261	.10275	110.42
#1	.00115	.00188	1.1379	1.0250	1.5782	.40073	7.8567	.51183	.00017
#2	.00104	.00224	1.1368	1.0430	1.5717	.40233	7.8692	.51109	.00002
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Na8183	Ni2316	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899	Sr4077
Line	818.326 { 41}	231.604 {446}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}2	189.989 {477}	407.771 { 83}
IS Ref	(Y_3774)	(In2306)	(In2306)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3774)	(In2306)	(Y_3774)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**265.08**	**.02495**	**.00196**	**.3513**	**-.00126**	**.00018**	**2.9595**	**.00016**	F **19.798**
Stddev	.04	.00012	.00051	.0098	.00112	.00190	.0034	.00057	.029
%RSD	.01455	.47827	25.758	2.800	88.585	1073.6	.11655	352.88	.14673
#1	265.05	.02504	.00160	.3582	-.00047	-.00116	2.9571	-.00024	19.777
#2	265.11	.02487	.00232	.3443	-.00205	.00152	2.9619	.00056	19.818
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail
High Limit									9.0000
Low Limit									-.00500

Elem	Ti3349	Tl1908	V_2924	Zn2062
Line	334.904 {101}	190.856 {477}	292.402 {115}	206.200 {163}
IS Ref	(Y_3600)	(In2306)	(Y_3600)	(Y_3600)
Units	ppm	ppm	ppm	ppm
Avg	**.00214**	**.00152**	**.00025**	**.12923**
Stddev	.00013	.00072	.00012	.00045
%RSD	5.9563	47.408	47.867	.34820
#1	.00223	.00202	.00016	.12892
#2	.00205	.00101	.00033	.12955
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				
Low Limit				

Int. Std.	In2306	Y_2243	Y_3600	Y_3774
Line	230.606 {446}	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**3027.4**	**4714.8**	**65336.**	**14362.**
Stddev	1.7	6.7	21.	65.
%RSD	.05661	.14183	.03265	.45249
#1	3026.2	4719.5	65351.	14316.
#2	3028.6	4710.0	65321.	14408.

Sample Name: RB Acquired: 3/14/2014 1:40:52 Type: Unk
Method: ICAP1 New RLs at low cal point Mode: CONC Corr. Factor: 1.000000
User: AMH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	B_2089	Ba4554-2	Be3130	Ca3179	Cd2288	Co2286
Line	328.068 {103}	308.215 {109}	189.042 {478}	208.959 {461}	455.403 { 74}2	313.042 {108}	317.933 {106}	228.802 {447}	228.616 {447}
IS Ref	(Y_3600)	(Y_3774)	(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**	**.00570**	**-.00001**	**.00154**	**.00723**	**-.00003**	**.00170**	**.00003**	**.00001**
Stddev	.00083	.00023	.00102	.00031	.00061	.00000	.00203	.00002	.00001
%RSD	266.29	4.1156	7433.9	19.857	8.4151	14.396	119.15	58.058	143.01
#1	-.00090	.00554	.00070	.00175	.00680	-.00002	.00314	.00002	.00001
#2	.00028	.00587	-.00073	.00132	.00766	-.00003	.00027	.00004	-.00000
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Cr2677	Cu3247	Fe2599	K_7664	K_7664-2	Li6707	Mg2790	Mn2576	Mo2020
Line	267.716 {126}	324.754 {104}	259.940 {130}	766.490 { 44}	766.490 { 44}2	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}
IS Ref	(Y_3600)	(Y_3600)	(Y_3774)	(Y_3774)	(Y_3774)	(Y_3774)	(Y_3600)	(Y_3600)	(Y_2243)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00038**	**-.00004**	**-.00168**	**.04931**	**.00052**	**.00074**	**.00390**	**.00001**	**-.00005**
Stddev	.00028	.00004	.00229	.00621	.00015	.00016	.00291	.00002	.00011
%RSD	75.123	111.90	136.46	12.589	29.720	21.852	74.592	275.24	220.56
#1	.00058	-.00007	-.00006	.04492	.00063	.00062	.00184	-.00001	-.00013
#2	.00018	-.00001	-.00330	.05370	.00041	.00085	.00596	.00002	.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	**.08348**	**-.00053**	**.00029**	**.0077**	**.00139**	**.00010**	**.00296**	**-.00037**	**.00110**
Stddev	.00055	.00058	.00173	.0006	.00040	.00021	.00395	.00045	.00006
%RSD	.65728	107.92	596.53	7.953	28.796	203.38	133.47	122.43	5.2216
#1	.08309	-.00094	-.00093	.0081	.00167	-.00004	.00017	-.00069	.00114
#2	.08387	-.00013	.00151	.0073	.00110	.00025	.00576	-.00005	.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	Ti3349	Tl1908	V_2924	Zn2062
Line	334.904 {101}	190.856 {477}	292.402 {115}	206.200 {163}
IS Ref	(Y_3600)	(In2306)	(Y_3600)	(Y_3600)
Units	ppm	ppm	ppm	ppm
Avg	**.00016**	**-.00011**	**.00005**	**.00011**
Stddev	.00008	.00132	.00004	.00010
%RSD	50.268	1187.1	80.198	96.928
#1	.00022	.00082	.00008	.00003
#2	.00010	-.00105	.00002	.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	**3578.0**	**5049.4**	**72568.**	**14683.**
Stddev	.2	7.6	167.	48.
%RSD	.00503	.15055	.22974	.32606
#1	3578.1	5044.0	72685.	14649.
#2	3577.9	5054.8	72450.	14717.

Sample Name: RB Acquired: 3/14/2014 1:43:43 Type: Unk
Method: ICAP1 New RLs at low cal point Mode: CONC Corr. Factor: 1.000000
User: AMH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	B_2089	Ba4554-2	Be3130	Ca3179	Cd2288	Co2286
Line	328.068 {103}	308.215 {109}	189.042 {478}	208.959 {461}	455.403 { 74}2	313.042 {108}	317.933 {106}	228.802 {447}	228.616 {447}
IS Ref	(Y_3600)	(Y_3774)	(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**	**-.00372**	**-.00003**	**.00140**	**.00086**	**-.00004**	**-.00275**	**.00004**	**.00002**
Stddev	.00039	.00446	.00081	.00025	.00000	.00007	.00111	.00005	.00000
%RSD	139.59	119.70	2403.4	17.949	.55993	176.76	40.504	123.72	2.4074
#1	-.00000	-.00688	.00054	.00122	.00086	.00001	-.00353	.00000	.00002
#2	-.00056	-.00057	-.00061	.00158	.00086	-.00009	-.00196	.00007	.00002
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Cr2677	Cu3247	Fe2599	K_7664	K_7664-2	Li6707	Mg2790	Mn2576	Mo2020
Line	267.716 {126}	324.754 {104}	259.940 {130}	766.490 { 44}	766.490 { 44}2	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}
IS Ref	(Y_3600)	(Y_3600)	(Y_3774)	(Y_3774)	(Y_3774)	(Y_3774)	(Y_3600)	(Y_3600)	(Y_2243)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00018**	**-.00015**	**-.00305**	**.00980**	**.00012**	**.00066**	**.00277**	**-.00008**	**-.00005**
Stddev	.00001	.00011	.00038	.00165	.00030	.00020	.00192	.00002	.00001
%RSD	4.5237	73.182	12.434	16.832	247.28	30.239	69.447	20.608	13.035
#1	.00017	-.00023	-.00278	.01096	.00034	.00080	.00141	-.00007	-.00005
#2	.00018	-.00007	-.00332	.00863	-.00009	.00052	.00413	-.00009	-.00004
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Na5895	Ni2316	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899	Sr4077
Line	589.592 { 57}	231.604 {446}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}2	189.989 {477}	407.771 { 83}
IS Ref	(Y_3774)	(In2306)	(In2306)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3774)	(In2306)	(Y_3774)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.05107**	**-.00026**	**-.00004**	**.0062**	**.00058**	**-.00067**	**-.00965**	**-.00005**	**.00019**
Stddev	.00373	.00006	.00016	.0016	.00093	.00079	.00831	.00044	.00001
%RSD	7.3096	24.668	434.71	26.54	161.73	117.46	86.089	797.09	7.4788
#1	.05371	-.00021	-.00015	.0074	-.00008	-.00011	-.01553	-.00036	.00020
#2	.04843	-.00030	.00008	.0050	.00123	-.00123	-.00378	.00025	.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	Ti3349	Tl1908	V_2924	Zn2062
Line	334.904 {101}	190.856 {477}	292.402 {115}	206.200 {163}
IS Ref	(Y_3600)	(In2306)	(Y_3600)	(Y_3600)
Units	ppm	ppm	ppm	ppm
Avg	**-.00004**	**.00096**	**.00014**	**.00024**
Stddev	.00018	.00025	.00035	.00086
%RSD	434.22	25.974	250.06	360.13
#1	.00009	.00078	-.00011	.00085
#2	-.00017	.00114	.00038	-.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	**3583.3**	**5040.8**	**72863.**	**14558.**
Stddev	2.1	12.5	223.	94.
%RSD	.05955	.24871	.30617	.64392
#1	3584.8	5049.7	72705.	14625.
#2	3581.8	5032.0	73020.	14492.

Sample Name: 480-55342-A-1-C Acquired: 3/14/2014 1:46:33 Type: Unk
Method: ICAP1 New RLs at low cal point Mode: CONC Corr. Factor: 1.000000
User: AMH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	B_2089	Ba4554-2	Be3130	Ca3179	Cd2288	Co2286
Line	328.068 {103}	308.215 {109}	189.042 {478}	208.959 {461}	455.403 { 74}2	313.042 {108}	317.933 {106}	228.802 {447}	228.616 {447}
IS Ref	(Y_3600)	(Y_3774)	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3774)	(Y_3774)	(Y_2243)	(In2306)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00084**	**.09662**	**.00659**	**.10484**	**.37544**	**.00015**	**485.04**	**.00152**	**.04677**
Stddev	.00034	.00060	.00151	.00026	.00091	.00006	1.34	.00007	.00047
%RSD	40.298	.61862	22.932	.25084	.24174	40.758	.27525	4.8917	1.0016
#1	-.00060	.09704	.00766	.10465	.37480	.00019	485.98	.00158	.04710
#2	-.00108	.09620	.00552	.10503	.37609	.00010	484.10	.00147	.04644
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Cr2677	Cu3247	Fe2599	K_7664	K_7664-2	Li6707	Mg2790	Mn2576	Mo2020
Line	267.716 {126}	324.754 {104}	259.940 {130}	766.490 { 44}	766.490 { 44}2	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}
IS Ref	(Y_3600)	(Y_3600)	(Y_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**	**.01183**	**.20701**	**10.949**	**25.060**	**.01513**	**50.569**	**5.1113**	**.00311**
Stddev	.00021	.00007	.00106	.011	.101	.00084	.053	.0093	.00024
%RSD	8.3569	.58903	.51064	.09965	.40150	5.5335	.10428	.18176	7.7709
#1	.00263	.01188	.20626	10.941	24.989	.01572	50.606	5.1179	.00328
#2	.00233	.01179	.20776	10.957	25.131	.01453	50.532	5.1047	.00294
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	**1587.2**	**.04070**	**.00388**	F **19.98**	**-.00057**	**.00788**	**24.798**	**.00152**	**.98501**
Stddev	2.0	.00013	.00134	.06	.00018	.00015	.689	.00014	.00201
%RSD	.12748	.32867	34.593	.2816	31.364	1.9503	2.7800	9.1882	.20404
#1	1588.6	.04080	.00483	20.02	-.00070	.00777	25.285	.00142	.98643
#2	1585.8	.04061	.00293	19.94	-.00045	.00799	24.310	.00162	.98359
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				9.000					
Low Limit				-.2000					

Elem	Ti3349	Tl1908	V_2924	Zn2062
Line	334.904 {101}	190.856 {477}	292.402 {115}	206.200 {163}
IS Ref	(Y_3600)	(In2306)	(Y_3600)	(Y_3600)
Units	ppm	ppm	ppm	ppm
Avg	**.00284**	**-.00266**	**.00138**	**.13027**
Stddev	.00004	.00256	.00010	.00125
%RSD	1.2849	96.304	6.9205	.96047
#1	.00286	-.00446	.00131	.13115
#2	.00281	-.00085	.00144	.12938
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				
Low Limit				

Int. Std.	In2306	Y_2243	Y_3600	Y_3774
Line	230.606 {446}	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**2506.8**	**4201.9**	**59875.**	**13919.**
Stddev	3.2	6.6	3.	62.
%RSD	.12847	.15815	.00575	.44317
#1	2509.0	4206.6	59877.	13963.
#2	2504.5	4197.2	59872.	13876.

Sample Name: 480-55498-B-1-F Acquired: 3/14/2014 1:49:36 Type: Unk
Method: ICAP1 New RLs at low cal point Mode: CONC Corr. Factor: 1.000000
User: AMH 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	**-.00042**	**.09535**	**.00818**	**.30301**	**1.0005**	**.00019**	**496.94**	**.09990**	**1.1932**
Stddev	.00061	.00315	.00300	.00012	.0015	.00011	.48	.00043	.0005
%RSD	146.65	3.3009	36.630	.03871	.14639	61.129	.09631	.42802	.03856
#1	.00002	.09758	.01030	.30293	1.0016	.00027	496.60	.09960	1.1929
#2	-.00085	.09312	.00606	.30309	.99950	.00011	497.28	.10021	1.1935
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Cr2677	Cu3247	Fe2599	K_7664	K_7664-2	Li6707	Mg2790	Mn2576	Mo2020
Line	267.716 {126}	324.754 {104}	259.940 {130}	766.490 { 44}	766.490 { 44}2	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}
IS Ref	(Y_3600)	(Y_3600)	(Y_3774)	(Y_3774)	(Y_3774)	(Y_3774)	(Y_3600)	(Y_3600)	(Y_2243)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00452**	**.03259**	**2.1910**	**3.7568**	**8.7834**	**.11235**	**11.704**	**2.3452**	**.02177**
Stddev	.00039	.00031	.0196	.0022	.0541	.00184	.005	.0036	.00014
%RSD	8.5600	.93687	.89393	.05837	.61631	1.6373	.04570	.15339	.62637
#1	.00425	.03281	2.1772	3.7584	8.7451	.11365	11.701	2.3426	.02167
#2	.00480	.03238	2.2049	3.7553	8.8216	.11105	11.708	2.3477	.02186
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	**1630.3**	**.20619**	**.20119**	F **20.61**	**.02446**	**.01029**	**2.6001**	**.00123**	**2.4442**
Stddev	1.4	.00053	.00064	.03	.00106	.00132	.0088	.00023	.0030
%RSD	.08355	.25796	.31916	.1285	4.3354	12.858	.33985	18.453	.12237
#1	1631.2	.20582	.20073	20.59	.02371	.01122	2.5938	.00139	2.4464
#2	1629.3	.20657	.20164	20.63	.02521	.00935	2.6063	.00107	2.4421
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				9.000					
Low Limit				-.2000					

Elem	Ti3349	Tl1908	V_2924	Zn2062
Line	334.904 {101}	190.856 {477}	292.402 {115}	206.200 {163}
IS Ref	(Y_3600)	(In2306)	(Y_3600)	(Y_3600)
Units	ppm	ppm	ppm	ppm
Avg	**.00223**	**-.00308**	**.00020**	**11.818**
Stddev	.00039	.00184	.00004	.029
%RSD	17.413	59.938	21.297	.24812
#1	.00250	-.00177	.00024	11.839
#2	.00195	-.00438	.00017	11.797
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				
Low Limit				

Int. Std.	In2306	Y_2243	Y_3600	Y_3774
Line	230.606 {446}	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**2491.2**	**4154.1**	**59373.**	**13756.**
Stddev	2.6	2.4	100.	47.
%RSD	.10274	.05807	.16798	.33875
#1	2489.4	4155.8	59303.	13789.
#2	2493.0	4152.4	59444.	13723.

Sample Name: 480-55498-B-1-F SD@5 Acquired: 3/14/2014 1:52:42 Type: Unk
Method: ICAP1 New RLs at low cal point Mode: CONC Corr. Factor: 1.000000
User: AMH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	B_2089	Ba4554-2	Be3130	Ca3179	Cd2288	Co2286
Line	328.068 {103}	308.215 {109}	189.042 {478}	208.959 {461}	455.403 { 74}2	313.042 {108}	317.933 {106}	228.802 {447}	228.616 {447}
IS Ref	(Y_3600)	(Y_3774)	(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**	**.00848**	**.00217**	**.06200**	**.19174**	**.00002**	**101.60**	**.01882**	**.23386**
Stddev	.00012	.01060	.00071	.00034	.00081	.00005	.39	.00002	.00084
%RSD	402.94	125.01	32.798	.54174	.42040	245.41	.38425	.12376	.35985
#1	.00005	.00098	.00167	.06224	.19231	.00005	101.32	.01883	.23326
#2	-.00011	.01598	.00268	.06176	.19117	-.00001	101.87	.01880	.23445
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Cr2677	Cu3247	Fe2599	K_7664	K_7664-2	Li6707	Mg2790	Mn2576	Mo2020
Line	267.716 {126}	324.754 {104}	259.940 {130}	766.490 { 44}	766.490 { 44}2	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}
IS Ref	(Y_3600)	(Y_3600)	(Y_3774)	(Y_3774)	(Y_3774)	(Y_3774)	(Y_3600)	(Y_3600)	(Y_2243)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00148**	**.00638**	**.45155**	**.69256**	**1.1260**	**.02209**	**2.4663**	**.48172**	**.00432**
Stddev	.00033	.00019	.00460	.00039	.0076	.00021	.0019	.00025	.00015
%RSD	22.446	2.9548	1.0183	.05676	.67921	.97283	.07861	.05246	3.5517
#1	.00125	.00652	.44830	.69229	1.1314	.02194	2.4650	.48190	.00443
#2	.00172	.00625	.45480	.69284	1.1206	.02224	2.4677	.48154	.00421
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	**318.90**	**.04030**	**.04144**	**3.815**	**.00238**	**.00321**	**.52067**	**.00032**	**.47652**
Stddev	.59	.00008	.00030	.004	.00083	.00274	.00217	.00009	.00242
%RSD	.18352	.19283	.72119	.0944	34.892	85.129	.41658	27.233	.50758
#1	318.49	.04025	.04165	3.813	.00179	.00128	.52221	.00038	.47481
#2	319.31	.04036	.04122	3.818	.00296	.00515	.51914	.00026	.47823
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	**.00061**	**.00183**	**.00024**	**2.4500**
Stddev	.00003	.00150	.00057	.0021
%RSD	4.6865	82.021	233.80	.08575
#1	.00059	.00077	-.00016	2.4485
#2	.00063	.00289	.00065	2.4515
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				
Low Limit				

Int. Std.	In2306	Y_2243	Y_3600	Y_3774
Line	230.606 {446}	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**2991.5**	**4618.9**	**66645.**	**14507.**
Stddev	.2	10.2	228.	26.
%RSD	.00617	.22146	.34214	.18131
#1	2991.6	4611.7	66483.	14526.
#2	2991.3	4626.1	66806.	14488.

Sample Name: 480-55498-B-1-F PDS Acquired: 3/14/2014 1:55:33 Type: Unk
Method: ICAP1 New RLs at low cal point Mode: CONC Corr. Factor: 1.000000
User: AMH 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	**1.1890**	**.10219**	**1.2366**	**.30137**	**2.0654**	**1.0741**	**496.28**	**1.2975**	**2.2907**
Stddev	.0019	.01053	.0058	.00016	.0038	.0008	.11	.0011	.0009
%RSD	.16258	10.304	.47017	.05208	.18244	.07537	.02174	.08639	.03975
#1	1.1904	.10963	1.2324	.30126	2.0627	1.0747	496.35	1.2967	2.2901
#2	1.1877	.09474	1.2407	.30148	2.0680	1.0735	496.20	1.2983	2.2914
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Cr2677	Cu3247	Fe2599	K_7664	K_7664-2	Li6707	Mg2790	Mn2576	Mo2020
Line	267.716 {126}	324.754 {104}	259.940 {130}	766.490 { 44}	766.490 { 44}2	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}
IS Ref	(Y_3600)	(Y_3600)	(Y_3774)	(Y_3774)	(Y_3774)	(Y_3774)	(Y_3600)	(Y_3600)	(Y_2243)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.0045**	**1.1636**	**2.1844**	**3.7279**	**8.8262**	**.11003**	**11.503**	**3.3169**	**1.0904**
Stddev	.0026	.0047	.0019	.0196	.0623	.00040	.002	.0032	.0031
%RSD	.25943	.40761	.08755	.52504	.70527	.35975	.01561	.09725	.28832
#1	1.0063	1.1603	2.1831	3.7140	8.7822	.10975	11.504	3.3192	1.0882
#2	1.0026	1.1670	2.1858	3.7417	8.8702	.11031	11.502	3.3146	1.0927
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	**1611.3**	**1.3096**	**1.3029**	F **20.27**	**1.1444**	**1.2674**	**2.5555**	**.00206**	**2.4343**
Stddev	.9	.0001	.0011	.03	.0004	.0009	.0132	.00063	.0044
%RSD	.05350	.00762	.08447	.1258	.03441	.07024	.51513	30.733	.18055
#1	1610.6	1.3095	1.3022	20.25	1.1441	1.2668	2.5648	.00161	2.4312
#2	1611.9	1.3097	1.3037	20.29	1.1447	1.2680	2.5462	.00251	2.4374
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				9.000					
Low Limit				-.2000					

Elem	Ti3349	Tl1908	V_2924	Zn2062
Line	334.904 {101}	190.856 {477}	292.402 {115}	206.200 {163}
IS Ref	(Y_3600)	(In2306)	(Y_3600)	(Y_3600)
Units	ppm	ppm	ppm	ppm
Avg	**.00292**	**1.0256**	**1.0432**	**12.668**
Stddev	.00007	.0063	.0000	.065
%RSD	2.5207	.61657	.00401	.51064
#1	.00297	1.0211	1.0432	12.714
#2	.00286	1.0300	1.0432	12.622
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				
Low Limit				

Int. Std.	In2306	Y_2243	Y_3600	Y_3774
Line	230.606 {446}	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**2510.5**	**4218.3**	**59814.**	**13827.**
Stddev	.0	4.1	64.	89.
%RSD	.00179	.09762	.10653	.64273
#1	2510.5	4221.3	59769.	13764.
#2	2510.5	4215.4	59859.	13890.

Sample Name: 480-55498-B-1-G MS Acquired: 3/14/2014 1:58:31 Type: Unk
Method: ICAP1 New RLs at low cal point Mode: CONC Corr. Factor: 1.000000
User: AMH 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	**1.1526**	**.09939**	**1.1983**	**.30724**	**2.0413**	**1.0138**	**501.23**	**1.2530**	**2.2656**
Stddev	.0063	.00556	.0006	.00016	.0001	.0005	1.16	.0001	.0002
%RSD	.54715	5.5976	.04886	.05091	.00756	.05254	.23211	.00883	.01021
#1	1.1570	.09545	1.1987	.30713	2.0414	1.0134	502.06	1.2530	2.2658
#2	1.1481	.10332	1.1978	.30735	2.0412	1.0142	500.41	1.2529	2.2654
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Cr2677	Cu3247	Fe2599	K_7664	K_7664-2	Li6707	Mg2790	Mn2576	Mo2020
Line	267.716 {126}	324.754 {104}	259.940 {130}	766.490 { 44}	766.490 { 44}2	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}
IS Ref	(Y_3600)	(Y_3600)	(Y_3774)	(Y_3774)	(Y_3774)	(Y_3774)	(Y_3600)	(Y_3600)	(Y_2243)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.97232**	**1.1236**	**2.1713**	**3.8253**	**8.8500**	**.11232**	**11.717**	**3.3287**	**1.0479**
Stddev	.00463	.0069	.0082	.0112	.0393	.00025	.046	.0074	.0003
%RSD	.47601	.61249	.37605	.29209	.44456	.22117	.39541	.22258	.02730
#1	.97560	1.1284	2.1770	3.8332	8.8222	.11250	11.750	3.3340	1.0477
#2	.96905	1.1187	2.1655	3.8174	8.8778	.11215	11.685	3.3235	1.0481
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	**1631.8**	**1.2632**	**1.2713**	F **20.69**	**1.1227**	**1.2246**	**2.5380**	**.00126**	**3.4373**
Stddev	.4	.0003	.0008	.03	.0030	.0082	.0247	.00027	.0045
%RSD	.02413	.02276	.05937	.1524	.26815	.66600	.97461	21.084	.12943
#1	1631.5	1.2630	1.2708	20.71	1.1248	1.2304	2.5205	.00107	3.4341
#2	1632.0	1.2634	1.2718	20.66	1.1205	1.2189	2.5555	.00145	3.4404
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				9.000					
Low Limit				-.2000					

Elem	Ti3349	Tl1908	V_2924	Zn2062
Line	334.904 {101}	190.856 {477}	292.402 {115}	206.200 {163}
IS Ref	(Y_3600)	(In2306)	(Y_3600)	(Y_3600)
Units	ppm	ppm	ppm	ppm
Avg	**.00270**	**.97597**	**1.0120**	**13.053**
Stddev	.00028	.00278	.0050	.087
%RSD	10.479	.28493	.49667	.66728
#1	.00290	.97400	1.0155	13.114
#2	.00250	.97793	1.0084	12.991
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				
Low Limit				

Int. Std.	In2306	Y_2243	Y_3600	Y_3774
Line	230.606 {446}	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**2494.2**	**4208.0**	**59022.**	**13960.**
Stddev	1.5	2.4	236.	29.
%RSD	.05967	.05736	.39961	.21040
#1	2495.3	4209.8	58855.	13939.
#2	2493.1	4206.3	59189.	13981.

Sample Name: 480-55498-B-1-H MSD Acquired: 3/14/2014 2:01:35 Type: Unk
Method: ICAP1 New RLs at low cal point Mode: CONC Corr. Factor: 1.000000
User: AMH 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	**1.1361**	**.08846**	**1.1656**	**.29814**	**2.0006**	**.98669**	**497.67**	**1.2139**	**2.2119**
Stddev	.0008	.00766	.0019	.00111	.0009	.00144	.14	.0020	.0016
%RSD	.07167	8.6592	.16364	.37320	.04582	.14573	.02802	.16412	.07325
#1	1.1366	.08304	1.1670	.29735	2.0000	.98568	497.77	1.2125	2.2107
#2	1.1355	.09388	1.1643	.29892	2.0013	.98771	497.58	1.2153	2.2130
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Cr2677	Cu3247	Fe2599	K_7664	K_7664-2	Li6707	Mg2790	Mn2576	Mo2020
Line	267.716 {126}	324.754 {104}	259.940 {130}	766.490 { 44}	766.490 { 44}2	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}
IS Ref	(Y_3600)	(Y_3600)	(Y_3774)	(Y_3774)	(Y_3774)	(Y_3774)	(Y_3600)	(Y_3600)	(Y_2243)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.96930**	**1.1178**	**2.1236**	**3.7664**	**8.6338**	**.10931**	**11.508**	**3.2605**	**1.0175**
Stddev	.00108	.0029	.0101	.0020	.0853	.00097	.008	.0066	.0027
%RSD	.11140	.25938	.47644	.05293	.98780	.88497	.06534	.20300	.26602
#1	.96854	1.1158	2.1164	3.7678	8.5735	.11000	11.513	3.2652	1.0156
#2	.97006	1.1199	2.1307	3.7650	8.6941	.10863	11.503	3.2558	1.0195
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	**1588.4**	**1.2270**	**1.2421**	F **20.30**	**1.0981**	**1.1907**	**2.4998**	**.00180**	**3.3700**
Stddev	.8	.0024	.0046	.04	.0021	.0030	.0000	.00085	.0050
%RSD	.05273	.19852	.36719	.2009	.18771	.25515	.00086	47.153	.14713
#1	1587.9	1.2253	1.2389	20.27	1.0966	1.1928	2.4998	.00120	3.3665
#2	1589.0	1.2288	1.2453	20.33	1.0995	1.1885	2.4998	.00240	3.3735
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				9.000					
Low Limit				-.2000					

Elem	Ti3349	Tl1908	V_2924	Zn2062
Line	334.904 {101}	190.856 {477}	292.402 {115}	206.200 {163}
IS Ref	(Y_3600)	(In2306)	(Y_3600)	(Y_3600)
Units	ppm	ppm	ppm	ppm
Avg	**.00285**	**.95978**	**1.0114**	**13.048**
Stddev	.00023	.00387	.0051	.007
%RSD	8.0295	.40330	.50018	.05059
#1	.00301	.95705	1.0078	13.044
#2	.00269	.96252	1.0150	13.053
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				
Low Limit				

Int. Std.	In2306	Y_2243	Y_3600	Y_3774
Line	230.606 {446}	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**2514.0**	**4255.0**	**58519.**	**13869.**
Stddev	2.4	5.9	41.	1.
%RSD	.09620	.13814	.07059	.00564
#1	2515.7	4259.1	58490.	13870.
#2	2512.3	4250.8	58548.	13869.

Sample Name: CCV Acquired: 3/14/2014 2:04:41 Type: QC
Method: ICAP1 New RLs at low cal point Mode: CONC Corr. Factor: 1.000000
User: AMH 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	**.51232**	**25.964**	**.53472**	**.51865**	**.53865**	**.51727**	**25.191**	**.52305**	**.51716**	**.51431**	**.53006**	**24.757**
Stddev	.00009	.054	.00031	.00045	.00030	.00120	.106	.00044	.00090	.00171	.00094	.008
%RSD	.01707	.20948	.05867	.08654	.05614	.23212	.42251	.08318	.17344	.33261	.17792	.03140
#1	.51226	25.926	.53450	.51833	.53844	.51812	25.116	.52335	.51779	.51310	.52939	24.751
#2	.51238	26.003	.53494	.51897	.53887	.51642	25.266	.52274	.51652	.51552	.53073	24.762
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	**27.134**	**26.897**	**.54345**	**25.725**	**.52365**	**.52923**	**26.951**	**.52012**	**.51760**	**25.46**	**.52783**	**.53051**
Stddev	.006	.187	.00166	.142	.00255	.00068	.006	.00021	.00111	.02	.00293	.00255
%RSD	.02037	.69695	.30485	.55198	.48780	.12756	.02153	.04117	.21371	.0802	.55425	.48005
#1	27.138	27.029	.54462	25.625	.52185	.52875	26.947	.51996	.51838	25.45	.52576	.52871
#2	27.130	26.764	.54228	25.826	.52546	.52971	26.955	.52027	.51682	25.48	.52990	.53231
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	**24.917**	**.52235**	**.53017**	**.51805**	**.51548**	**.51381**	**.50583**
Stddev	.153	.00051	.00019	.00196	.00146	.00290	.00602
%RSD	.61450	.09837	.03592	.37884	.28305	.56350	1.1893
#1	24.809	.52271	.53030	.51666	.51651	.51177	.50158
#2	25.025	.52198	.53003	.51943	.51445	.51586	.51009
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	**3298.4**	**5001.7**	**68635.**	**14417.**
Stddev	5.1	10.6	167.	45.
%RSD	.15449	.21178	.24371	.31326
#1	3294.8	4994.3	68753.	14449.
#2	3302.0	5009.2	68516.	14385.

Sample Name: CCB Acquired: 3/14/2014 2:07:27 Type: QC
Method: ICAP1 New RLs at low cal point Mode: CONC Corr. Factor: 1.000000
User: AMH 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	**-.00056**	**.00620**	**.00054**	**.00182**	**.00040**	**.00014**	**.04274**	**.00010**	**.00021**	**-.00005**	**.00032**	**.00081**
Stddev	.00036	.00440	.00261	.00058	.00001	.00005	.00458	.00001	.00017	.00017	.00020	.00205
%RSD	64.123	71.035	484.02	31.654	2.2127	33.890	10.704	9.2483	81.139	316.64	62.065	252.45
#1	-.00082	.00931	-.00130	.00222	.00041	.00010	.03951	.00010	.00033	.00007	.00045	-.00064
#2	-.00031	.00308	.00238	.00141	.00040	.00017	.04598	.00011	.00009	-.00017	.00018	.00226
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	**.03698**	**.00637**	**.00116**	**.00724**	**.00033**	**.00032**	**.28650**	**-.00030**	**.00076**	F **.0129**	**.00174**	**.00076**
Stddev	.02165	.00007	.00141	.00070	.00006	.00017	.01148	.00025	.00105	.0009	.00058	.00318
%RSD	58.544	1.1729	121.70	9.7148	17.596	51.813	4.0076	85.161	137.81	6.623	33.434	417.93
#1	.05228	.00632	.00215	.00774	.00037	.00020	.27838	-.00012	.00002	.0135	.00215	-.00149
#2	.02167	.00642	.00016	.00674	.00029	.00044	.29462	-.00048	.00150	.0123	.00133	.00301
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
High Limit										.0030		
Low Limit										-.0040		

Elem	Si2881	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.02627**	**-.00005**	**.00032**	**.00012**	**.00042**	**.00024**	**.00188**
Stddev	.00067	.00011	.00010	.00005	.00175	.00018	.00016
%RSD	2.5410	208.01	30.714	40.062	418.37	75.372	8.7019
#1	.02674	-.00013	.00025	.00008	.00165	.00036	.00176
#2	.02580	.00002	.00039	.00015	-.00082	.00011	.00199
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	**3606.0**	**5161.6**	**72063.**	**14522.**
Stddev	1.6	.3	216.	42.
%RSD	.04362	.00598	.29920	.29229
#1	3604.9	5161.9	71911.	14491.
#2	3607.1	5161.4	72215.	14552.

Sample Name: CCVL Acquired: 3/14/2014 2:10:19 Type: QC
Method: ICAP1 New RLs at low cal point Mode: CONC Corr. Factor: 1.000000
User: AMH 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	**.00635**	**.20972**	**.01511**	**.02183**	**.00245**	**.00212**	**.50959**	**.00203**	**.00419**	**.00418**	**.01110**	**.04580**
Stddev	.00006	.00184	.00206	.00019	.00001	.00006	.00035	.00011	.00000	.00038	.00015	.00004
%RSD	.94445	.87842	13.617	.86655	.33503	2.6948	.06832	5.2224	.10599	9.0279	1.3955	.08925
#1	.00631	.20842	.01365	.02169	.00244	.00208	.50983	.00210	.00419	.00444	.01099	.04583
#2	.00639	.21102	.01656	.02196	.00246	.00216	.50934	.00195	.00419	.00391	.01121	.04577
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	**.52390**	**.43345**	**.03196**	**.20780**	**.00346**	**.01030**	**1.2395**	**.01097**	**.01076**	**.2013**	**.02018**	**.02525**
Stddev	.00163	.00226	.00162	.00139	.00004	.00015	.0034	.00001	.00006	.0055	.00053	.00015
%RSD	.31103	.52100	5.0720	.67072	1.0494	1.4978	.27032	.08316	.55323	2.735	2.6125	.57480
#1	.52275	.43505	.03311	.20682	.00343	.01041	1.2419	.01098	.01072	.2052	.01981	.02514
#2	.52505	.43186	.03082	.20879	.00349	.01019	1.2371	.01097	.01080	.1974	.02055	.02535
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	**.51648**	**.01073**	**.00515**	**.00506**	**.02099**	**.00539**	**.01036**
Stddev	.00129	.00006	.00002	.00034	.00022	.00015	.00048
%RSD	.25013	.58526	.44883	6.6222	1.0657	2.8350	4.6697
#1	.51557	.01078	.00516	.00530	.02114	.00550	.01070
#2	.51740	.01069	.00513	.00483	.02083	.00528	.01002
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	**3657.7**	**5267.1**	**72535.**	**14595.**
Stddev	6.5	13.3	178.	27.
%RSD	.17709	.25227	.24605	.18671
#1	3662.3	5276.5	72409.	14615.
#2	3653.1	5257.7	72661.	14576.

Sample Name: 480-55520-A-1-C Acquired: 3/14/2014 2:13:10 Type: Unk
Method: ICAP1 New RLs at low cal point Mode: CONC Corr. Factor: 1.000000
User: AMH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	B_2089	Ba4554	Be3130	Ca3179	Cd2288	Co2286
Line	328.068 {103}	308.215 {109}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	317.933 {106}	228.802 {447}	228.616 {447}
IS Ref	(Y_3600)	(Y_3774)	(Y_2243)	(Y_2243)	(Y_3774)	(Y_3774)	(Y_3774)	(Y_2243)	(In2306)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00142**	**.04062**	**.01263**	**.05235**	**.50432**	**-.00002**	**683.21**	**.00034**	**.02560**
Stddev	.00173	.01139	.00315	.00018	.00128	.00002	.30	.00013	.00014
%RSD	122.26	28.050	24.914	.33658	.25409	109.91	.04426	37.356	.54288
#1	-.00264	.03256	.01485	.05248	.50341	-.00004	683.42	.00025	.02550
#2	-.00019	.04868	.01040	.05223	.50522	-.00000	682.99	.00043	.02569
Check ?	Chk 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	**.00132**	**.00459**	**63.005**	**3.4489**	**8.3914**	**.01012**	**7.9653**	**.99125**	**.01873**
Stddev	.00017	.00034	.003	.0105	.0315	.00060	.0540	.00633	.00005
%RSD	13.153	7.4466	.00412	.30442	.37592	5.9364	.67833	.63880	.29135
#1	.00120	.00483	63.006	3.4415	8.3691	.01055	8.0035	.99573	.01869
#2	.00145	.00435	63.003	3.4563	8.4137	.00970	7.9271	.98677	.01877
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	**1887.8**	**.09500**	**.00307**	**7.780**	**.02842**	**.00743**	**1.7804**	**.00184**	**.75413**
Stddev	1.8	.00002	.00250	.022	.00047	.00124	.0082	.00012	.00110
%RSD	.09512	.02076	81.558	.2830	1.6363	16.752	.46181	6.3506	.14639
#1	1886.5	.09502	.00130	7.795	.02875	.00655	1.7746	.00176	.75335
#2	1889.1	.09499	.00484	7.764	.02809	.00831	1.7862	.00192	.75491
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	**.00289**	**-.00352**	**.00213**	**.17415**
Stddev	.00004	.00017	.00000	.00206
%RSD	1.5412	4.9143	.15084	1.1841
#1	.00292	-.00339	.00213	.17561
#2	.00286	-.00364	.00213	.17269
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				
Low Limit				

Int. Std.	In2306	Y_2243	Y_3600	Y_3774
Line	230.606 {446}	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**2457.5**	**4233.9**	**56020.**	**13391.**
Stddev	5.4	6.8	142.	6.
%RSD	.21887	.15987	.25352	.04451
#1	2461.3	4238.7	55919.	13387.
#2	2453.6	4229.1	56120.	13395.

Sample Name: 480-55520-A-2-C Acquired: 3/14/2014 2:16:13 Type: Unk
Method: ICAP1 New RLs at low cal point Mode: CONC Corr. Factor: 1.000000
User: AMH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	B_2089	Ba4554-2	Be3130	Ca3179	Cd2288	Co2286
Line	328.068 {103}	308.215 {109}	189.042 {478}	208.959 {461}	455.403 { 74}2	313.042 {108}	317.933 {106}	228.802 {447}	228.616 {447}
IS Ref	(Y_3600)	(Y_3774)	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3774)	(Y_3774)	(Y_2243)	(In2306)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00089**	**.01253**	**.00633**	**.05581**	**.41500**	**.00011**	**553.20**	**.00033**	**.03032**
Stddev	.00041	.00110	.00045	.00006	.00097	.00007	3.62	.00008	.00032
%RSD	45.645	8.7785	7.0518	.11442	.23452	60.028	.65402	24.107	1.0693
#1	-.00060	.01331	.00601	.05585	.41569	.00006	555.76	.00027	.03055
#2	-.00118	.01176	.00664	.05576	.41431	.00016	550.64	.00039	.03009
Check ?	Chk 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	**.00050**	**.00435**	**190.70**	**2.1731**	**5.1820**	**.00749**	**4.8047**	**1.6331**	**.02014**
Stddev	.00039	.00010	.42	.0048	.0610	.00089	.0032	.0027	.00034
%RSD	79.498	2.2091	.21984	.22110	1.1764	11.939	.06625	.16759	1.7092
#1	.00078	.00428	190.99	2.1765	5.2251	.00686	4.8070	1.6312	.02039
#2	.00022	.00442	190.40	2.1697	5.1389	.00812	4.8025	1.6351	.01990
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	**1723.0**	**.26723**	**.00157**	F **11.36**	**.00444**	**.00688**	**3.7045**	**.00380**	**1.6735**
Stddev	4.1	.00086	.00217	.05	.00089	.00263	.0071	.00011	.0041
%RSD	.23760	.32331	138.32	.4492	20.001	38.174	.19241	2.9457	.24564
#1	1725.9	.26784	.00310	11.32	.00381	.00503	3.6994	.00388	1.6764
#2	1720.1	.26662	.00003	11.39	.00507	.00874	3.7095	.00372	1.6706
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				9.000					
Low Limit				-.2000					

Elem	Ti3349	Tl1908	V_2924	Zn2062
Line	334.904 {101}	190.856 {477}	292.402 {115}	206.200 {163}
IS Ref	(Y_3600)	(In2306)	(Y_3600)	(Y_3600)
Units	ppm	ppm	ppm	ppm
Avg	**.00224**	**-.00284**	**.00367**	**.12653**
Stddev	.00005	.00066	.00013	.00086
%RSD	2.2608	23.250	3.6598	.68271
#1	.00220	-.00330	.00377	.12592
#2	.00227	-.00237	.00358	.12714
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				
Low Limit				

Int. Std.	In2306	Y_2243	Y_3600	Y_3774
Line	230.606 {446}	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**2491.5**	**4262.7**	**56766.**	**13538.**
Stddev	.6	.0	106.	44.
%RSD	.02479	.00058	.18713	.32277
#1	2491.9	4262.8	56841.	13507.
#2	2491.1	4262.7	56691.	13569.

Sample Name: 480-55520-A-3-C Acquired: 3/14/2014 2:19:10 Type: Unk
Method: ICAP1 New RLs at low cal point Mode: CONC Corr. Factor: 1.000000
User: AMH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	B_2089	Ba4554	Ba4554-2	Be3130	Ca3179	Cd2288
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	**-.00040**	**.10568**	**.00418**	**.03295**	**.45508**	**.43593**	**-.00005**	**740.95**	**.02742**
Stddev	.00022	.00480	.00206	.00004	.00049	.00012	.00010	3.19	.00001
%RSD	53.726	4.5432	49.229	.12232	.10768	.02835	196.82	.43112	.02939
#1	-.00055	.10908	.00563	.03298	.45543	.43602	.00002	738.69	.02742
#2	-.00025	.10229	.00272	.03292	.45473	.43584	-.00012	743.20	.02741
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	**.00336**	**.00184**	**.18506**	**1.2747**	**3.9636**	**9.2147**	**.01187**	**8.1822**	**1.0172**
Stddev	.00011	.00031	.00017	.0042	.0254	.1165	.00083	.0058	.0005
%RSD	3.1531	17.047	.08960	.32665	.64160	1.2645	6.9616	.07140	.05261
#1	.00344	.00161	.18495	1.2777	3.9456	9.1324	.01245	8.1864	1.0168
#2	.00329	.00206	.18518	1.2718	3.9816	9.2971	.01129	8.1781	1.0175
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	**.00177**	**1696.1**	**.02319**	**.31764**	**2.636**	**.00146**	**.00578**	**4.2338**	**.00144**
Stddev	.00020	2.7	.00020	.00153	.000	.00281	.00126	.0208	.00064
%RSD	11.022	.16204	.85008	.48272	.0142	193.01	21.775	.48999	44.379
#1	.00163	1698.1	.02305	.31873	2.636	.00345	.00666	4.2191	.00189
#2	.00191	1694.2	.02333	.31656	2.636	-.00053	.00489	4.2485	.00099
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	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	**1.1202**	**.00578**	**-.00369**	**.00124**	**1.3177**
Stddev	.0028	.00013	.00012	.00041	.0111
%RSD	.24875	2.2088	3.2158	33.291	.84501
#1	1.1222	.00587	-.00377	.00094	1.3099
#2	1.1183	.00569	-.00360	.00153	1.3256
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	**2459.3**	**4219.8**	**55802.**	**13461.**
Stddev	1.3	3.1	213.	3.
%RSD	.05404	.07386	.38202	.02052
#1	2458.4	4217.6	55952.	13463.
#2	2460.3	4222.0	55651.	13459.

Sample Name: 480-55520-A-4-C Acquired: 3/14/2014 2:22:13 Type: Unk
Method: ICAP1 New RLs at low cal point Mode: CONC Corr. Factor: 1.000000
User: AMH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	B_2089	Ba4554-2	Be3130	Ca3179	Cd2288	Co2286
Line	328.068 {103}	308.215 {109}	189.042 {478}	208.959 {461}	455.403 { 74}2	313.042 {108}	317.933 {106}	228.802 {447}	228.616 {447}
IS Ref	(Y_3600)	(Y_3774)	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3774)	(Y_3774)	(Y_2243)	(In2306)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00089**	**1.6190**	**.02500**	**.11722**	**.32582**	**.00010**	**189.56**	**.00038**	**.00385**
Stddev	.00009	.0073	.00070	.00025	.00029	.00008	.07	.00014	.00024
%RSD	10.049	.45271	2.8102	.21053	.08903	80.504	.03898	38.092	6.1731
#1	-.00082	1.6138	.02450	.11705	.32562	.00004	189.51	.00048	.00402
#2	-.00095	1.6242	.02550	.11740	.32603	.00015	189.62	.00028	.00368
Check ?	Chk 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	**.02006**	**.02207**	**113.63**	**2.0874**	**4.7798**	**.01056**	**14.122**	**1.1672**	**.37641**
Stddev	.00020	.00012	.29	.0042	.0061	.00049	.011	.0003	.00034
%RSD	1.0040	.53891	.25320	.19927	.12705	4.6784	.07985	.02571	.08911
#1	.01992	.02199	113.43	2.0845	4.7840	.01091	14.130	1.1674	.37664
#2	.02020	.02215	113.83	2.0904	4.7755	.01021	14.114	1.1670	.37617
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	**1524.2**	**.03892**	**.02543**	**3.485**	**.00089**	**.00446**	**2.2447**	**.00636**	**.50609**
Stddev	.5	.00043	.00212	.006	.00018	.00202	.0089	.00009	.00235
%RSD	.03537	1.1082	8.3222	.1781	20.188	45.361	.39857	1.4714	.46416
#1	1524.6	.03861	.02693	3.490	.00076	.00303	2.2383	.00643	.50443
#2	1523.8	.03922	.02394	3.481	.00102	.00589	2.2510	.00630	.50775
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	**.00558**	**-.00603**	**.00439**	**1.2494**
Stddev	.00010	.00017	.00017	.0053
%RSD	1.7253	2.8248	3.9302	.42505
#1	.00565	-.00591	.00451	1.2456
#2	.00551	-.00615	.00427	1.2531
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				
Low Limit				

Int. Std.	In2306	Y_2243	Y_3600	Y_3774
Line	230.606 {446}	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**2612.5**	**4441.8**	**57610.**	**13661.**
Stddev	.3	3.9	67.	11.
%RSD	.01081	.08889	.11570	.07984
#1	2612.3	4439.0	57658.	13654.
#2	2612.7	4444.6	57563.	13669.

Sample Name: 480-55520-A-5-C Acquired: 3/14/2014 2:25:04 Type: Unk
Method: ICAP1 New RLs at low cal point Mode: CONC Corr. Factor: 1.000000
User: AMH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	B_2089	Ba4554-2	Be3130	Ca3179	Cd2288	Co2286
Line	328.068 {103}	308.215 {109}	189.042 {478}	208.959 {461}	455.403 { 74}2	313.042 {108}	317.933 {106}	228.802 {447}	228.616 {447}
IS Ref	(Y_3600)	(Y_3774)	(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**	**.23778**	**.00386**	**.14709**	**.32082**	**.00001**	**802.05**	**.00371**	**.00865**
Stddev	.00002	.00748	.00234	.00059	.00049	.00005	3.54	.00001	.00020
%RSD	4.5324	3.1460	60.651	.39982	.15231	614.36	.44181	.24496	2.3526
#1	-.00042	.24307	.00552	.14668	.32117	.00004	799.55	.00372	.00851
#2	-.00045	.23249	.00221	.14751	.32047	-.00003	804.56	.00370	.00880
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Cr2677	Cu3247	Fe2599	K_7664	K_7664-2	Li6707	Mg2790	Mn2576	Mo2020
Line	267.716 {126}	324.754 {104}	259.940 {130}	766.490 { 44}	766.490 { 44}2	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}
IS Ref	(Y_3600)	(Y_3600)	(Y_3774)	(Y_3774)	(Y_3774)	(Y_3774)	(Y_3600)	(Y_3600)	(Y_2243)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00419**	**.17824**	**.26066**	**21.249**	**45.057**	**.03489**	**10.691**	**1.3025**	**.00414**
Stddev	.00051	.00134	.00089	.101	.001	.00044	.027	.0007	.00008
%RSD	12.238	.74992	.34042	.47649	.00330	1.2731	.25572	.05491	2.0166
#1	.00383	.17918	.26129	21.178	45.056	.03457	10.672	1.3020	.00408
#2	.00455	.17729	.26003	21.321	45.058	.03520	10.710	1.3030	.00420
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	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	**1749.0**	**.01883**	**.07699**	F **36.74**	**.00270**	**.00673**	**13.588**	**.00135**	**2.1105**
Stddev	4.7	.00034	.00032	.08	.00070	.00352	.017	.00011	.0043
%RSD	.26917	1.8124	.41000	.2283	25.949	52.251	.12195	8.4272	.20634
#1	1745.7	.01907	.07677	36.68	.00221	.00922	13.576	.00127	2.1074
#2	1752.3	.01859	.07722	36.80	.00320	.00424	13.600	.00143	2.1136
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				9.000					
Low Limit				-.2000					

Elem	Ti3349	Tl1908	V_2924	Zn2062
Line	334.904 {101}	190.856 {477}	292.402 {115}	206.200 {163}
IS Ref	(Y_3600)	(In2306)	(Y_3600)	(Y_3600)
Units	ppm	ppm	ppm	ppm
Avg	**.00966**	**-.00151**	**.00547**	**13.315**
Stddev	.00003	.00313	.00049	.046
%RSD	.26728	207.30	8.9128	.34184
#1	.00968	-.00372	.00581	13.348
#2	.00964	.00070	.00512	13.283
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				
Low Limit				

Int. Std.	In2306	Y_2243	Y_3600	Y_3774
Line	230.606 {446}	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**2446.5**	**4208.6**	**55633.**	**13311.**
Stddev	4.7	8.1	79.	34.
%RSD	.19300	.19360	.14191	.25380
#1	2449.8	4214.3	55577.	13335.
#2	2443.1	4202.8	55689.	13287.

Sample Name: 480-55588-A-1-L Acquired: 3/14/2014 2:28:06 Type: Unk
Method: ICAP1 New RLs at low cal point Mode: CONC Corr. Factor: 1.000000
User: AMH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	B_2089	Ba4554-2	Be3130	Ca3179	Cd2288	Co2286
Line	328.068 {103}	308.215 {109}	189.042 {478}	208.959 {461}	455.403 { 74}2	313.042 {108}	317.933 {106}	228.802 {447}	228.616 {447}
IS Ref	(Y_3600)	(Y_3774)	(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**	**.27801**	**.00836**	**2.0198**	**.14037**	**.00005**	**150.94**	**.00047**	**.00188**
Stddev	.00001	.00937	.00007	.0022	.00014	.00005	.49	.00002	.00006
%RSD	9.8863	3.3692	.80627	.10938	.09823	96.259	.32198	3.4150	3.4237
#1	.00015	.28463	.00832	2.0183	.14047	.00002	151.29	.00046	.00192
#2	.00013	.27138	.00841	2.0214	.14028	.00008	150.60	.00048	.00183
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Cr2677	Cu3247	Fe2599	K_7664	K_7664-2	Li6707	Mg2790	Mn2576	Mo2020
Line	267.716 {126}	324.754 {104}	259.940 {130}	766.490 { 44}	766.490 { 44}2	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}
IS Ref	(Y_3600)	(Y_3600)	(Y_3774)	(Y_3774)	(Y_3774)	(Y_3774)	(Y_3600)	(Y_3600)	(Y_2243)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.01496**	**.02760**	**5.3645**	**20.095**	**41.083**	**.00331**	**24.879**	**.41989**	**.00436**
Stddev	.00023	.00046	.0307	.056	.217	.00061	.007	.00031	.00022
%RSD	1.5394	1.6678	.57236	.27722	.52735	18.290	.02854	.07462	5.0619
#1	.01513	.02728	5.3862	20.134	41.236	.00374	24.874	.42011	.00420
#2	.01480	.02793	5.3428	20.056	40.930	.00288	24.884	.41967	.00451
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	**1576.0**	**.01835**	**.00320**	**8.065**	**-.00125**	**.00953**	**1.5130**	**.00497**	**.31550**
Stddev	1.9	.00069	.00113	.000	.00060	.00037	.0006	.00050	.00030
%RSD	.12124	3.7612	35.394	.0029	48.165	3.8413	.03737	9.9998	.09528
#1	1577.3	.01786	.00240	8.065	-.00168	.00979	1.5126	.00462	.31571
#2	1574.6	.01884	.00400	8.065	-.00083	.00927	1.5134	.00532	.31528
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	**.00358**	**-.00731**	**.00148**	**.79833**
Stddev	.00050	.00252	.00026	.00330
%RSD	13.942	34.420	17.244	.41369
#1	.00393	-.00553	.00166	.79599
#2	.00323	-.00909	.00130	.80066
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				
Low Limit				

Int. Std.	In2306	Y_2243	Y_3600	Y_3774
Line	230.606 {446}	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**2601.7**	**4352.6**	**57196.**	**13796.**
Stddev	2.9	4.1	10.	22.
%RSD	.11044	.09305	.01689	.16027
#1	2603.8	4355.4	57203.	13780.
#2	2599.7	4349.7	57190.	13812.

Sample Name: 480-55588-A-2-K Acquired: 3/14/2014 2:31:02 Type: Unk
Method: ICAP1 New RLs at low cal point Mode: CONC Corr. Factor: 1.000000
User: AMH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	B_2089	Ba4554-2	Be3130	Ca3179	Cd2288	Co2286
Line	328.068 {103}	308.215 {109}	189.042 {478}	208.959 {461}	455.403 { 74}2	313.042 {108}	317.933 {106}	228.802 {447}	228.616 {447}
IS Ref	(Y_3600)	(Y_3774)	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3774)	(Y_3774)	(Y_2243)	(In2306)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00107**	**.35539**	**.01021**	**.88475**	**.41108**	**-.00002**	**66.077**	**.00058**	**.00131**
Stddev	.00028	.00117	.00118	.00009	.00076	.00001	.068	.00006	.00000
%RSD	26.515	.33053	11.529	.01018	.18559	40.259	.10314	10.101	.01862
#1	.00127	.35456	.01104	.88481	.41054	-.00003	66.029	.00062	.00131
#2	.00087	.35622	.00938	.88469	.41162	-.00002	66.126	.00054	.00131
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Cr2677	Cu3247	Fe2599	K_7664	K_7664-2	Li6707	Mg2790	Mn2576	Mo2020
Line	267.716 {126}	324.754 {104}	259.940 {130}	766.490 { 44}	766.490 { 44}2	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}
IS Ref	(Y_3600)	(Y_3600)	(Y_3774)	(Y_3774)	(Y_3774)	(Y_3774)	(Y_3600)	(Y_3600)	(Y_2243)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00672**	**.06940**	**1.6666**	**18.489**	**38.292**	**.00219**	**13.333**	**.23273**	**.00109**
Stddev	.00017	.00044	.0021	.010	.228	.00004	.019	.00045	.00025
%RSD	2.5913	.63513	.12288	.05406	.59602	1.7834	.14084	.19391	22.834
#1	.00684	.06971	1.6652	18.496	38.453	.00217	13.347	.23241	.00092
#2	.00660	.06909	1.6680	18.482	38.130	.00222	13.320	.23305	.00127
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	**1549.8**	**.00887**	**.00529**	**4.695**	**-.00032**	**.01225**	**1.1341**	**.00429**	**.22168**
Stddev	.9	.00015	.00057	.005	.00043	.00373	.0141	.00005	.00052
%RSD	.05545	1.6775	10.714	.1044	131.08	30.430	1.2432	1.2551	.23478
#1	1549.2	.00877	.00489	4.691	-.00063	.01489	1.1242	.00433	.22131
#2	1550.4	.00898	.00569	4.698	-.00002	.00962	1.1441	.00426	.22204
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	**.00301**	**-.00439**	**.00097**	**.55025**
Stddev	.00035	.00002	.00007	.00125
%RSD	11.639	.55000	6.8108	.22803
#1	.00276	-.00441	.00092	.54937
#2	.00326	-.00437	.00101	.55114
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				
Low Limit				

Int. Std.	In2306	Y_2243	Y_3600	Y_3774
Line	230.606 {446}	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**2639.9**	**4412.5**	**57559.**	**13876.**
Stddev	.3	2.1	87.	32.
%RSD	.01160	.04782	.15068	.23176
#1	2640.1	4411.0	57620.	13853.
#2	2639.6	4414.0	57498.	13899.

Sample Name: 480-55595-A-1-B Acquired: 3/14/2014 2:33:58 Type: Unk
Method: ICAP1 New RLs at low cal point Mode: CONC Corr. Factor: 1.000000
User: AMH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	B_2089	Ba4554-2	Be3130	Ca3179	Cd2288	Co2286
Line	328.068 {103}	308.215 {109}	189.042 {478}	208.959 {461}	455.403 { 74}2	313.042 {108}	317.933 {106}	228.802 {447}	228.616 {447}
IS Ref	(Y_3600)	(Y_3774)	(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**	**.01960**	**.00195**	**.08210**	**.03279**	**-.00001**	**18.791**	**.00050**	**.00053**
Stddev	.00022	.01353	.00025	.00071	.00008	.00002	.007	.00017	.00002
%RSD	69.223	69.006	12.556	.86906	.25327	193.34	.03928	34.176	2.9968
#1	-.00047	.01004	.00213	.08160	.03273	.00000	18.796	.00038	.00055
#2	-.00016	.02917	.00178	.08260	.03285	-.00003	18.786	.00062	.00052
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Cr2677	Cu3247	Fe2599	K_7664	K_7664-2	Li6707	Mg2790	Mn2576	Mo2020
Line	267.716 {126}	324.754 {104}	259.940 {130}	766.490 { 44}	766.490 { 44}2	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}
IS Ref	(Y_3600)	(Y_3600)	(Y_3774)	(Y_3774)	(Y_3774)	(Y_3774)	(Y_3600)	(Y_3600)	(Y_2243)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00378**	**.01575**	**.04457**	**.84444**	**1.7710**	**.00148**	**1.2096**	**.01937**	**.10081**
Stddev	.00007	.00016	.00020	.01242	.0130	.00059	.0004	.00013	.00033
%RSD	1.9471	.99649	.44592	1.4705	.73286	39.866	.02938	.66283	.32301
#1	.00373	.01564	.04471	.83566	1.7618	.00106	1.2093	.01928	.10058
#2	.00383	.01586	.04443	.85322	1.7801	.00190	1.2099	.01946	.10104
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	**1521.2**	**.00215**	**.07814**	**1.495**	**-.00170**	**.00337**	**.07180**	**.00070**	**.01207**
Stddev	.2	.00031	.00092	.000	.00089	.00138	.01482	.00066	.00007
%RSD	.01276	14.481	1.1805	.0128	52.424	41.002	20.645	93.137	.61935
#1	1521.3	.00236	.07749	1.495	-.00234	.00239	.06132	.00024	.01212
#2	1521.1	.00193	.07879	1.495	-.00107	.00435	.08228	.00117	.01202
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	**.00050**	**-.00176**	**.00012**	**.06353**
Stddev	.00027	.00156	.00009	.00048
%RSD	54.572	88.482	72.924	.75470
#1	.00030	-.00066	.00019	.06387
#2	.00069	-.00286	.00006	.06319
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				
Low Limit				

Int. Std.	In2306	Y_2243	Y_3600	Y_3774
Line	230.606 {446}	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**2709.6**	**4535.9**	**58209.**	**13808.**
Stddev	1.6	4.2	49.	3.
%RSD	.06040	.09161	.08407	.02180
#1	2710.8	4538.8	58175.	13806.
#2	2708.5	4532.9	58244.	13810.

Sample Name: 480-55620-A-1-I Acquired: 3/14/2014 2:36:53 Type: Unk
Method: ICAP1 New RLs at low cal point Mode: CONC Corr. Factor: 1.000000
User: AMH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	B_2089	Ba4554-2	Be3130	Ca3179	Cd2288	Co2286
Line	328.068 {103}	308.215 {109}	189.042 {478}	208.959 {461}	455.403 { 74}2	313.042 {108}	317.933 {106}	228.802 {447}	228.616 {447}
IS Ref	(Y_3600)	(Y_3774)	(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**	**.89328**	**.01725**	**.77223**	**.37137**	**-.00003**	**661.31**	**.00085**	**.00155**
Stddev	.00106	.00937	.00123	.00009	.00072	.00008	1.72	.00008	.00007
%RSD	358.36	1.0485	7.1408	.01119	.19311	243.87	.26072	9.1363	4.3030
#1	-.00104	.89990	.01638	.77216	.37187	.00002	660.09	.00079	.00159
#2	.00045	.88666	.01812	.77229	.37086	-.00009	662.53	.00090	.00150
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Cr2677	Cu3247	Fe2599	K_7664	K_7664-2	Li6707	Mg2790	Mn2576	Mo2020
Line	267.716 {126}	324.754 {104}	259.940 {130}	766.490 { 44}	766.490 { 44}2	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}
IS Ref	(Y_3600)	(Y_3600)	(Y_3774)	(Y_3774)	(Y_3774)	(Y_3774)	(Y_3600)	(Y_3600)	(Y_2243)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00673**	**.03271**	**.34853**	**43.727**	**76.351**	**.00590**	**22.706**	**.86957**	**.01159**
Stddev	.00020	.00001	.00449	.009	.458	.00016	.003	.00015	.00039
%RSD	2.9089	.03627	1.2892	.02023	.59945	2.7921	.01490	.01728	3.3972
#1	.00687	.03272	.34535	43.721	76.028	.00578	22.709	.86967	.01187
#2	.00660	.03271	.35170	43.734	76.675	.00602	22.704	.86946	.01131
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	**1527.1**	**.00797**	**.00383**	**3.569**	**.00806**	**.00920**	**2.7962**	**.00130**	**.85696**
Stddev	1.9	.00015	.00027	.010	.00084	.00208	.0060	.00033	.00262
%RSD	.12117	1.8514	6.9965	.2916	10.399	22.646	.21311	25.185	.30556
#1	1528.4	.00808	.00402	3.562	.00747	.00772	2.7920	.00153	.85882
#2	1525.8	.00787	.00364	3.576	.00865	.01067	2.8004	.00107	.85511
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	**.08191**	**-.00549**	**.00633**	**.08796**
Stddev	.00148	.00052	.00017	.00076
%RSD	1.8070	9.5048	2.6406	.85971
#1	.08087	-.00512	.00621	.08743
#2	.08296	-.00586	.00645	.08849
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				
Low Limit				

Int. Std.	In2306	Y_2243	Y_3600	Y_3774
Line	230.606 {446}	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**2477.0**	**4243.0**	**56030.**	**13372.**
Stddev	1.5	.4	40.	58.
%RSD	.06136	.00902	.07224	.43287
#1	2478.1	4242.8	56058.	13413.
#2	2476.0	4243.3	56001.	13331.

Sample Name: CCV Acquired: 3/14/2014 2:39:58 Type: QC
Method: ICAP1 New RLs at low cal point Mode: CONC Corr. Factor: 1.000000
User: AMH 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	**.52137**	**25.979**	**.52983**	**.51731**	**.54181**	**.50733**	**25.358**	**.52553**	**.52282**	**.52158**	**.53459**	**24.133**
Stddev	.00304	.089	.00091	.00186	.00039	.00053	.033	.00101	.00073	.00267	.00036	.041
%RSD	.58315	.34135	.17157	.35913	.07260	.10378	.12875	.19229	.14031	.51134	.06742	.16924
#1	.51922	25.916	.52919	.51599	.54154	.50770	25.381	.52482	.52230	.51969	.53434	24.162
#2	.52352	26.042	.53047	.51862	.54209	.50696	25.335	.52625	.52334	.52347	.53485	24.104
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	F **27.553**	**26.687**	**.54577**	**26.261**	**.52463**	**.53051**	F **27.814**	**.51616**	**.52351**	**26.50**	**.53926**	**.52576**
Stddev	.030	.077	.00055	.105	.00194	.00129	.055	.00012	.00020	.07	.00048	.00257
%RSD	.10756	.29015	.10068	.39985	.36953	.24307	.19611	.02269	.03781	.2652	.08815	.48888
#1	27.574	26.742	.54616	26.186	.52326	.52960	27.776	.51608	.52365	26.45	.53959	.52758
#2	27.532	26.632	.54538	26.335	.52600	.53143	27.853	.51624	.52337	26.55	.53892	.52395
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	25.000						25.000					
Range	10.000%						10.000%					

Elem	Si2881	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**25.156**	**.54334**	**.53829**	**.54422**	**.51545**	**.53628**	**.52935**
Stddev	.094	.00422	.00156	.00244	.00090	.00473	.00167
%RSD	.37314	.77692	.28988	.44839	.17392	.88221	.31472
#1	25.090	.54035	.53718	.54250	.51608	.53293	.52817
#2	25.223	.54632	.53939	.54595	.51481	.53962	.53053
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	**3269.6**	**5016.6**	**67306.**	**14209.**
Stddev	5.5	9.0	99.	48.
%RSD	.16701	.17983	.14758	.34131
#1	3273.5	5023.0	67376.	14175.
#2	3265.7	5010.2	67235.	14243.

Sample Name: CCB Acquired: 3/14/2014 2:42:44 Type: QC
Method: ICAP1 New RLs at low cal point Mode: CONC Corr. Factor: 1.000000
User: AMH 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	**.00008**	**.00958**	**.00184**	**.00275**	**.00011**	**.00005**	**.02434**	**-.00000**	**-.00006**	**.00001**	**.00122**	**-.00055**
Stddev	.00033	.00944	.00149	.00011	.00001	.00000	.00139	.00000	.00011	.00020	.00006	.00182
%RSD	422.61	98.549	81.379	4.1003	10.855	5.5754	5.6971	113.57	167.65	2034.2	5.2749	331.72
#1	-.00016	.00291	.00078	.00283	.00010	.00005	.02532	-.00000	.00001	-.00013	.00126	-.00184
#2	.00031	.01626	.00289	.00267	.00012	.00005	.02336	-.00000	-.00014	.00015	.00117	.00074
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	**.03334**	**.00658**	**.00056**	**.00448**	**.00002**	**.00021**	**.26667**	**-.00035**	**.00029**	F **.0101**	**-.00192**	**.00088**
Stddev	.02710	.00024	.00003	.00137	.00008	.00002	.00399	.00018	.00032	.0002	.00026	.00088
%RSD	81.287	3.6055	5.5002	30.493	363.53	10.593	1.4974	52.256	110.94	2.445	13.319	100.79
#1	.01418	.00675	.00054	.00351	.00008	.00020	.26950	-.00022	.00051	.0103	-.00174	.00150
#2	.05250	.00642	.00058	.00545	-.00003	.00023	.26385	-.00048	.00006	.0099	-.00210	.00025
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
High Limit										.0030		
Low Limit										-.0040		

Elem	Si2881	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.01734**	**.00012**	**-.00012**	**-.00010**	**.00062**	**.00015**	**.00031**
Stddev	.00914	.00006	.00003	.00030	.00161	.00011	.00003
%RSD	52.691	49.260	26.243	303.68	258.40	73.834	8.9813
#1	.01088	.00008	-.00009	.00011	.00176	.00022	.00033
#2	.02380	.00016	-.00014	-.00031	-.00052	.00007	.00029
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	**3571.6**	**5145.7**	**69745.**	**14121.**
Stddev	.5	2.7	381.	58.
%RSD	.01403	.05307	.54695	.40881
#1	3571.2	5143.8	69476.	14162.
#2	3571.9	5147.7	70015.	14080.

Sample Name: CCVL Acquired: 3/14/2014 2:45:36 Type: QC
Method: ICAP1 New RLs at low cal point Mode: CONC Corr. Factor: 1.000000
User: AMH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	B_2089	Ba4554-2	Be3130	Ca3179	Cd2288	Co2286	Cr2677	Cu3247
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00596**	**.20843**	**.01455**	**.02199**	**.00236**	**.00208**	**.52331**	**.00209**	**.00420**	**.00390**	**.01150**
Stddev	.00037	.00086	.00014	.00007	.00001	.00004	.01320	.00009	.00010	.00016	.00008
%RSD	6.1449	.41274	.95588	.31750	.54201	1.7813	2.5220	4.1107	2.4464	3.9882	.66336
#1	.00570	.20904	.01465	.02204	.00235	.00205	.53265	.00202	.00413	.00379	.01144
#2	.00622	.20782	.01445	.02194	.00237	.00210	.51398	.00215	.00428	.00401	.01155
Check ?	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
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.04418**	**.59957**	**.43646**	**.03208**	**.21249**	**.00352**	**.01047**	W **1.3589**	**.01051**	**.01088**	**.2043**
Stddev	.00271	.00660	.00068	.00018	.00556	.00001	.00012	.0636	.00009	.00036	.0025
%RSD	6.1391	1.1006	.15651	.55080	2.6163	.35496	1.1015	4.6843	.86868	3.3469	1.206
#1	.04610	.59491	.43597	.03196	.20856	.00353	.01039	1.4039	.01057	.01114	.2061
#2	.04227	.60424	.43694	.03221	.21642	.00351	.01055	1.3138	.01044	.01062	.2026
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Pass
Value								1.0000			
Range								30.000%			

Elem	Sb2068	Se1960	Si2881	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.01847**	**.02660**	**.51068**	**.01044**	**.00504**	**.00501**	**.01815**	**.00571**	**.00993**
Stddev	.00275	.00225	.00016	.00044	.00013	.00044	.00112	.00006	.00017
%RSD	14.865	8.4568	.03107	4.2003	2.6741	8.8689	6.1480	1.0098	1.7152
#1	.02041	.02819	.51080	.01075	.00513	.00533	.01894	.00575	.00980
#2	.01653	.02501	.51057	.01013	.00494	.00470	.01736	.00567	.01005
Check ?	Chk Pass	Chk Pass	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	**3625.9**	**5222.0**	**70956.**	**14330.**
Stddev	1.0	6.6	454.	57.
%RSD	.02643	.12617	.63961	.39602
#1	3626.6	5226.7	71277.	14370.
#2	3625.2	5217.4	70635.	14290.

Sample Name: MB 480-169718/1-A Acquired: 3/14/2014 2:48:26 Type: Unk
Method: ICAP1 New RLs at low cal point Mode: CONC Corr. Factor: 1.000000
User: AMH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	B_2089	Ba4554-2	Be3130	Ca3179	Cd2288	Co2286
Line	328.068 {103}	308.215 {109}	189.042 {478}	208.959 {461}	455.403 { 74}2	313.042 {108}	317.933 {106}	228.802 {447}	228.616 {447}
IS Ref	(Y_3600)	(Y_3774)	(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**	**.00202**	**-.00296**	**.00185**	**.00021**	**.00000**	**.03468**	**.00004**	**-.00005**
Stddev	.00035	.01282	.00014	.00041	.00002	.00004	.00106	.00003	.00000
%RSD	275.72	633.00	4.7604	22.023	11.263	1197.0	3.0581	59.602	.98323
#1	-.00038	.01109	-.00306	.00213	.00023	.00003	.03393	.00006	-.00005
#2	.00012	-.00704	-.00286	.00156	.00020	-.00002	.03543	.00003	-.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	**.00001**	**.00090**	**.00226**	**.09717**	**.03291**	**.00034**	**.00427**	**-.00003**	**-.00005**
Stddev	.00003	.00011	.00080	.01722	.00003	.00042	.00485	.00002	.00002
%RSD	318.38	11.871	35.315	17.725	.10561	121.96	113.62	68.159	51.150
#1	.00003	.00082	.00170	.08499	.03289	.00064	.00770	-.00004	-.00006
#2	-.00001	.00097	.00283	.10935	.03294	.00005	.00084	-.00002	-.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	**.19798**	**-.00028**	**-.00009**	**.0141**	**.00002**	**.00210**	**.09471**	F **.03816**	**-.00009**
Stddev	.00345	.00007	.00060	.0027	.00099	.00083	.00511	.00021	.00002
%RSD	1.7451	24.532	640.33	19.03	4053.4	39.596	5.4005	.54043	19.538
#1	.20042	-.00023	-.00052	.0160	-.00068	.00152	.09109	.03801	-.00007
#2	.19554	-.00033	.00033	.0122	.00072	.00269	.09832	.03831	-.00010
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass
High Limit								.01000	
Low Limit								-.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	**.00028**	**-.00070**	**-.00009**	**.00170**
Stddev	.00043	.00047	.00006	.00003
%RSD	156.66	67.033	66.750	1.9711
#1	.00058	-.00104	-.00013	.00168
#2	-.00003	-.00037	-.00005	.00173
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				
Low Limit				

Int. Std.	In2306	Y_2243	Y_3600	Y_3774
Line	230.606 {446}	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**3515.5**	**5025.9**	**69509.**	**14146.**
Stddev	7.0	11.5	63.	61.
%RSD	.19925	.22813	.09085	.42921
#1	3510.6	5017.8	69465.	14103.
#2	3520.5	5034.1	69554.	14189.

Sample Name: LCSSRM 480-169718/2- Acquired: 3/14/2014 2:51:17 Type: Unk
Method: ICAP1 New RLs at low cal point Mode: CONC Corr. Factor: 1.000000
User: AMH 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	**.38091**	**61.597**	**.95616**	**1.4062**	**2.8829**	**.66834**	**58.938**	**1.7484**	**1.2420**
Stddev	.00172	.072	.00366	.0032	.0021	.00102	.429	.0020	.0000
%RSD	.45074	.11641	.38227	.22663	.07319	.15212	.72761	.11359	.00050
#1	.37970	61.546	.95357	1.4039	2.8844	.66762	58.635	1.7470	1.2420
#2	.38212	61.647	.95874	1.4085	2.8814	.66906	59.242	1.7498	1.2420
Check ?	Chk 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	**1.2157**	**.95076**	**86.392**	**24.952**	**25.669**	**.06615**	**25.070**	**2.8806**	**1.3124**
Stddev	.0051	.00460	.225	.029	.293	.00040	.005	.0040	.0030
%RSD	.41623	.48360	.26083	.11480	1.1428	.60490	.02046	.13965	.22849
#1	1.2121	.94751	86.233	24.932	25.461	.06643	25.074	2.8778	1.3103
#2	1.2193	.95401	86.552	24.972	25.876	.06586	25.066	2.8835	1.3145
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	**26.944**	**1.4781**	**1.1246**	**2.211**	**.74841**	**1.4430**	**22.072**	**.94897**	**.89667**
Stddev	.056	.0021	.0024	.009	.00065	.0005	.098	.00141	.00023
%RSD	.20761	.13970	.21232	.4174	.08693	.03259	.44342	.14874	.02564
#1	26.904	1.4766	1.1263	2.217	.74795	1.4426	22.003	.94997	.89684
#2	26.983	1.4795	1.1229	2.204	.74887	1.4433	22.141	.94798	.89651
Check ?	Chk Pass	Chk Pass	Chk Pass	None	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	**2.9764**	**1.7239**	**.86932**	**1.5600**
Stddev	.0121	.0038	.00543	.0025
%RSD	.40816	.21873	.62475	.15878
#1	2.9850	1.7212	.86548	1.5582
#2	2.9678	1.7265	.87316	1.5617
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				
Low Limit				

Int. Std.	In2306	Y_2243	Y_3600	Y_3774
Line	230.606 {446}	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**3135.1**	**5033.9**	**69792.**	**14712.**
Stddev	.2	4.1	118.	89.
%RSD	.00503	.08183	.16906	.60453
#1	3135.0	5036.8	69876.	14775.
#2	3135.2	5031.0	69709.	14649.

Sample Name: 480-55428-C-1-H Acquired: 3/14/2014 2:54:01 Type: Unk
Method: ICAP1 New RLs at low cal point Mode: CONC Corr. Factor: 1.000000
User: AMH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	B_2089	Ba4554-2	Be3130	Ca3179	Cd2288	Co2286
Line	328.068 {103}	308.215 {109}	189.042 {478}	208.959 {461}	455.403 { 74}2	313.042 {108}	317.933 {106}	228.802 {447}	228.616 {447}
IS Ref	(Y_3600)	(Y_3774)	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3774)	(Y_3774)	(Y_2243)	(In2306)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00155**	**20.399**	**.01756**	**.00995**	**.17135**	**.00160**	**463.89**	**.00084**	**.02308**
Stddev	.00003	.069	.00133	.00042	.00023	.00000	.79	.00009	.00001
%RSD	1.7253	.33621	7.5924	4.2459	.13144	.10771	.17000	10.354	.04037
#1	-.00153	20.351	.01661	.01025	.17119	.00160	464.45	.00077	.02307
#2	-.00157	20.448	.01850	.00965	.17151	.00160	463.33	.00090	.02309
Check ?	Chk 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	**.82875**	**.05183**	**56.516**	**5.6445**	**7.5725**	**.02661**	**145.46**	**2.6218**	**.01270**
Stddev	.00064	.00043	.097	.0183	.0415	.00061	.09	.0034	.00072
%RSD	.07669	.83299	.17140	.32366	.54764	2.2897	.05881	.12773	5.6319
#1	.82920	.05153	56.448	5.6316	7.6018	.02618	145.40	2.6194	.01220
#2	.82830	.05214	56.585	5.6574	7.5432	.02704	145.52	2.6241	.01321
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	**2.7646**	**.06019**	**.11881**	**.4193**	**-.00374**	**.00592**	**13.607**	**.03268**	**.46552**
Stddev	.0097	.00064	.00103	.0042	.00246	.00094	.017	.00065	.00141
%RSD	.35146	1.0620	.86771	.9911	65.773	15.874	.12579	1.9794	.30220
#1	2.7577	.06064	.11954	.4164	-.00547	.00526	13.595	.03314	.46453
#2	2.7715	.05974	.11808	.4223	-.00200	.00659	13.619	.03222	.46652
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	**.81029**	**-.00557**	**.04046**	**.12157**
Stddev	.00124	.00049	.00013	.00094
%RSD	.15336	8.7546	.32557	.77698
#1	.80941	-.00591	.04037	.12090
#2	.81117	-.00522	.04056	.12224
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				
Low Limit				

Int. Std.	In2306	Y_2243	Y_3600	Y_3774
Line	230.606 {446}	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**2797.8**	**4585.8**	**64261.**	**14140.**
Stddev	3.9	.9	11.	48.
%RSD	.13969	.01918	.01750	.34205
#1	2795.1	4586.5	64269.	14106.
#2	2800.6	4585.2	64253.	14174.

Sample Name: 480-55428-C-1-H SD@5 Acquired: 3/14/2014 2:56:57 Type: Unk
Method: ICAP1 New RLs at low cal point Mode: CONC Corr. Factor: 1.000000
User: AMH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	B_2089	Ba4554-2	Be3130	Ca3179	Cd2288	Co2286
Line	328.068 {103}	308.215 {109}	189.042 {478}	208.959 {461}	455.403 { 74}2	313.042 {108}	317.933 {106}	228.802 {447}	228.616 {447}
IS Ref	(Y_3600)	(Y_3774)	(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**	**4.0671**	**.00129**	**.00465**	**.03555**	**.00039**	**99.403**	**.00032**	**.00447**
Stddev	.00115	.0309	.00048	.00017	.00021	.00009	.006	.00005	.00005
%RSD	232.13	.75880	36.975	3.5874	.58162	23.450	.00573	17.071	1.0861
#1	-.00032	4.0889	.00095	.00477	.03570	.00033	99.407	.00036	.00443
#2	.00131	4.0453	.00162	.00453	.03540	.00046	99.399	.00028	.00450
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Cr2677	Cu3247	Fe2599	K_7664	K_7664-2	Li6707	Mg2790	Mn2576	Mo2020
Line	267.716 {126}	324.754 {104}	259.940 {130}	766.490 { 44}	766.490 { 44}2	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}
IS Ref	(Y_3600)	(Y_3600)	(Y_3774)	(Y_3774)	(Y_3774)	(Y_3774)	(Y_3600)	(Y_3600)	(Y_2243)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.17157**	**.01073**	**12.391**	**1.1405**	**1.1703**	**.00623**	**29.601**	**.55555**	**.00222**
Stddev	.00088	.00030	.108	.0543	.0018	.00014	.006	.00072	.00014
%RSD	.51470	2.8136	.87159	4.7582	.14948	2.2779	.01877	.12964	6.2611
#1	.17220	.01095	12.315	1.1788	1.1715	.00613	29.597	.55606	.00212
#2	.17095	.01052	12.468	1.1021	1.1691	.00633	29.605	.55504	.00232
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	**.77367**	**.01143**	**.02453**	**.0773**	**-.00303**	**.00092**	**2.7915**	**.00658**	**.09449**
Stddev	.15546	.00021	.00078	.0042	.00090	.00378	.0179	.00040	.00051
%RSD	20.094	1.8319	3.1940	5.400	29.554	410.16	.64234	6.0113	.53489
#1	.66374	.01128	.02398	.0744	-.00240	.00359	2.8041	.00630	.09485
#2	.88360	.01158	.02509	.0803	-.00367	-.00175	2.7788	.00686	.09414
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	**.16385**	**-.00077**	**.00821**	**.02611**
Stddev	.00130	.00021	.00004	.00001
%RSD	.79534	27.140	.49406	.03859
#1	.16477	-.00092	.00824	.02611
#2	.16293	-.00062	.00818	.02610
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				
Low Limit				

Int. Std.	In2306	Y_2243	Y_3600	Y_3774
Line	230.606 {446}	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**3251.5**	**4851.9**	**69048.**	**14260.**
Stddev	4.4	7.8	86.	50.
%RSD	.13670	.16063	.12492	.34799
#1	3254.6	4857.4	68987.	14295.
#2	3248.3	4846.4	69109.	14225.

Sample Name: 480-55428-C-1-H PDS Acquired: 3/14/2014 2:59:44 Type: Unk
Method: ICAP1 New RLs at low cal point Mode: CONC Corr. Factor: 1.000000
User: AMH 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	**.09832**	**40.206**	**.43611**	**.43784**	**.58172**	**.39446**	**462.22**	**.41513**	**.42842**
Stddev	.00136	.018	.00065	.00023	.00134	.00026	2.55	.00028	.00030
%RSD	1.3854	.04541	.14907	.05356	.23054	.06474	.55175	.06780	.06979
#1	.09736	40.219	.43565	.43768	.58267	.39464	460.42	.41493	.42820
#2	.09929	40.193	.43657	.43801	.58077	.39428	464.03	.41533	.42863
Check ?	Chk 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	**1.1369**	**.45502**	**68.988**	**27.089**	**34.249**	**.46898**	**158.22**	**2.8888**	**.40933**
Stddev	.0058	.00268	.097	.083	.098	.00133	.28	.0060	.00058
%RSD	.50875	.58988	.14053	.30672	.28510	.28299	.17417	.20904	.14218
#1	1.1328	.45312	68.919	27.148	34.318	.46991	158.03	2.8846	.40974
#2	1.1410	.45691	69.056	27.031	34.180	.46804	158.42	2.8931	.40892
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	**23.930**	**.47169**	**.51628**	**.4059**	**.39540**	**.41590**	**31.672**	**.43382**	**.84138**
Stddev	.002	.00111	.00031	.0016	.00191	.00006	.015	.00176	.00248
%RSD	.00964	.23555	.06011	.3918	.48380	.01526	.04624	.40572	.29527
#1	23.929	.47090	.51650	.4071	.39675	.41586	31.682	.43506	.84314
#2	23.932	.47247	.51606	.4048	.39405	.41595	31.661	.43257	.83962
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	**1.1538**	**.39264**	**.41721**	**.44490**
Stddev	.0002	.00074	.00038	.00245
%RSD	.02038	.18904	.09088	.55130
#1	1.1536	.39212	.41695	.44663
#2	1.1539	.39316	.41748	.44316
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				
Low Limit				

Int. Std.	In2306	Y_2243	Y_3600	Y_3774
Line	230.606 {446}	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**2749.6**	**4528.4**	**65177.**	**14123.**
Stddev	1.8	1.8	34.	32.
%RSD	.06408	.04014	.05240	.22902
#1	2748.3	4527.1	65201.	14100.
#2	2750.8	4529.7	65153.	14146.

Sample Name: 480-55428-C-1-I MS Acquired: 3/14/2014 3:02:37 Type: Unk
Method: ICAP1 New RLs at low cal point Mode: CONC Corr. Factor: 1.000000
User: AMH 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	**.09623**	**47.568**	**.42156**	**.40522**	**.58409**	**.38378**	**416.59**	**.40446**	**.40956**
Stddev	.00024	.142	.00011	.00102	.00102	.00028	1.50	.00027	.00099
%RSD	.24453	.29954	.02704	.25244	.17530	.07238	.35907	.06599	.24260
#1	.09639	47.669	.42164	.40594	.58482	.38359	415.54	.40427	.40886
#2	.09606	47.468	.42147	.40449	.58337	.38398	417.65	.40465	.41026
Check ?	Chk 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	**.62351**	**.43270**	**65.168**	**26.976**	**33.545**	**.44041**	**159.40**	**2.2242**	**.39097**
Stddev	.00130	.00263	.492	.105	.206	.00060	.24	.0055	.00047
%RSD	.20776	.60753	.75505	.38842	.61525	.13583	.15120	.24513	.12029
#1	.62259	.43084	65.516	27.050	33.399	.44083	159.23	2.2204	.39064
#2	.62443	.43456	64.820	26.902	33.691	.43998	159.57	2.2281	.39130
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	**22.183**	**.44322**	**.48637**	F **19.67**	**.37108**	**.40136**	**35.512**	**.40736**	**.75561**
Stddev	.073	.00141	.00418	.03	.00264	.00049	.240	.00147	.00204
%RSD	.32722	.31855	.85982	.1746	.71126	.12239	.67672	.36177	.26951
#1	22.234	.44222	.48341	19.65	.37295	.40171	35.681	.40631	.75705
#2	22.132	.44422	.48932	19.70	.36921	.40101	35.342	.40840	.75417
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				9.000					
Low Limit				-.2000					

Elem	Ti3349	Tl1908	V_2924	Zn2062
Line	334.904 {101}	190.856 {477}	292.402 {115}	206.200 {163}
IS Ref	(Y_3600)	(In2306)	(Y_3600)	(Y_3600)
Units	ppm	ppm	ppm	ppm
Avg	**1.4217**	**.38047**	**.40948**	**.43209**
Stddev	.0009	.00087	.00147	.00062
%RSD	.06370	.22879	.35916	.14438
#1	1.4210	.38109	.40844	.43165
#2	1.4223	.37985	.41052	.43253
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				
Low Limit				

Int. Std.	In2306	Y_2243	Y_3600	Y_3774
Line	230.606 {446}	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**2770.1**	**4517.9**	**65341.**	**14145.**
Stddev	.5	11.1	69.	58.
%RSD	.01863	.24624	.10565	.41064
#1	2770.5	4510.0	65390.	14104.
#2	2769.7	4525.7	65292.	14186.

Sample Name: 480-55428-C-1-J MSD Acquired: 3/14/2014 3:05:30 Type: Unk
Method: ICAP1 New RLs at low cal point Mode: CONC Corr. Factor: 1.000000
User: AMH 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	**.10131**	**51.663**	**.45048**	**.42649**	**.62453**	**.40110**	**587.74**	**.42564**	**.43675**
Stddev	.00096	.084	.00340	.00128	.00112	.00217	1.16	.00035	.00017
%RSD	.94592	.16227	.75468	.30102	.17871	.54164	.19747	.08177	.04000
#1	.10199	51.722	.44808	.42740	.62532	.39957	586.92	.42589	.43663
#2	.10063	51.603	.45289	.42558	.62374	.40264	588.56	.42540	.43688
Check ?	Chk 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	**.87988**	**.46482**	**74.069**	**28.685**	**36.806**	**.46807**	**173.74**	**3.1137**	**.41040**
Stddev	.00209	.00316	.106	.047	.100	.00075	.00	.0018	.00021
%RSD	.23771	.68085	.14312	.16538	.27034	.16041	.00169	.05919	.05001
#1	.88136	.46706	74.144	28.718	36.877	.46860	173.74	3.1150	.41054
#2	.87840	.46259	73.994	28.651	36.736	.46754	173.74	3.1124	.41025
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	**23.460**	**.47816**	**.53553**	F **20.69**	**.38327**	**.42447**	**38.643**	**.42078**	**.98850**
Stddev	.059	.00041	.00073	.00	.00051	.00408	.035	.00164	.00046
%RSD	.25325	.08644	.13714	.0049	.13272	.96236	.08957	.39023	.04675
#1	23.502	.47845	.53501	20.69	.38291	.42736	38.667	.41962	.98883
#2	23.418	.47787	.53605	20.69	.38363	.42159	38.618	.42194	.98817
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				9.000					
Low Limit				-.2000					

Elem	Ti3349	Tl1908	V_2924	Zn2062
Line	334.904 {101}	190.856 {477}	292.402 {115}	206.200 {163}
IS Ref	(Y_3600)	(In2306)	(Y_3600)	(Y_3600)
Units	ppm	ppm	ppm	ppm
Avg	**1.6217**	**.39613**	**.42501**	**.45683**
Stddev	.0025	.00203	.00002	.00158
%RSD	.15203	.51162	.00567	.34511
#1	1.6234	.39470	.42503	.45572
#2	1.6199	.39757	.42500	.45795
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				
Low Limit				

Int. Std.	In2306	Y_2243	Y_3600	Y_3774
Line	230.606 {446}	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**2691.0**	**4464.4**	**65287.**	**14113.**
Stddev	1.4	4.0	261.	68.
%RSD	.05199	.09069	.40010	.48431
#1	2690.0	4461.5	65102.	14064.
#2	2692.0	4467.3	65471.	14161.

Sample Name: 480-55428-C-2-D Acquired: 3/14/2014 3:08:22 Type: Unk
Method: ICAP1 New RLs at low cal point Mode: CONC Corr. Factor: 1.000000
User: AMH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	B_2089	Ba4554-2	Be3130	Ca3179	Cd2288	Co2286
Line	328.068 {103}	308.215 {109}	189.042 {478}	208.959 {461}	455.403 { 74}2	313.042 {108}	317.933 {106}	228.802 {447}	228.616 {447}
IS Ref	(Y_3600)	(Y_3774)	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3774)	(Y_3774)	(Y_2243)	(In2306)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00166**	**18.388**	**.01960**	**.00975**	**.16913**	**.00153**	F **1085.0**	**.00098**	**.02354**
Stddev	.00055	.030	.00121	.00026	.00050	.00004	.5	.00010	.00004
%RSD	32.987	.16451	6.1634	2.6417	.29686	2.4068	.04286	9.7213	.18308
#1	-.00205	18.367	.02046	.00957	.16878	.00150	1084.7	.00092	.02357
#2	-.00128	18.409	.01875	.00994	.16949	.00155	1085.4	.00105	.02350
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass
High Limit							900.00		
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	**.11854**	**.07516**	**56.633**	**5.6998**	**9.3734**	**.03460**	**200.95**	**2.1461**	**.01402**
Stddev	.00026	.00011	.128	.0798	.0734	.00004	.61	.0031	.00017
%RSD	.21689	.14833	.22607	1.4002	.78310	.12170	.30223	.14199	1.2339
#1	.11836	.07508	56.542	5.7563	9.4253	.03463	201.38	2.1482	.01390
#2	.11872	.07524	56.724	5.6434	9.3215	.03457	200.52	2.1439	.01415
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	**6.9559**	**.07285**	**.11747**	**.5107**	**.00194**	**.00821**	**13.145**	**.02479**	**1.0589**
Stddev	.0262	.00046	.00019	.0183	.00005	.00318	.004	.00020	.0042
%RSD	.37684	.63070	.16497	3.584	2.3496	38.764	.02950	.82275	.39186
#1	6.9374	.07253	.11733	.4978	.00191	.01046	13.142	.02493	1.0559
#2	6.9745	.07318	.11760	.5237	.00198	.00596	13.147	.02464	1.0618
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	**.58611**	**.00122**	**.03670**	**.11508**
Stddev	.00207	.00144	.00046	.00037
%RSD	.35375	117.66	1.2641	.31788
#1	.58757	.00224	.03637	.11482
#2	.58464	.00021	.03703	.11534
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				
Low Limit				

Int. Std.	In2306	Y_2243	Y_3600	Y_3774
Line	230.606 {446}	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**2557.3**	**4303.7**	**62998.**	**13899.**
Stddev	4.5	6.1	135.	35.
%RSD	.17405	.14188	.21480	.25183
#1	2554.1	4299.4	62902.	13874.
#2	2560.4	4308.1	63093.	13923.

Sample Name: 480-55428-B-3-D Acquired: 3/14/2014 3:11:19 Type: Unk
Method: ICAP1 New RLs at low cal point Mode: CONC Corr. Factor: 1.000000
User: AMH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	B_2089	Ba4554-2	Be3130	Ca3179	Cd2288	Co2286
Line	328.068 {103}	308.215 {109}	189.042 {478}	208.959 {461}	455.403 { 74}2	313.042 {108}	317.933 {106}	228.802 {447}	228.616 {447}
IS Ref	(Y_3600)	(Y_3774)	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3774)	(Y_3774)	(Y_2243)	(In2306)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00201**	**21.472**	**.01744**	**.01002**	**.17639**	**.00131**	**788.51**	**.00110**	**.02903**
Stddev	.00000	.016	.00214	.00020	.00043	.00005	2.92	.00002	.00009
%RSD	.14488	.07398	12.278	2.0378	.24491	3.7085	.37021	1.8171	.31494
#1	-.00200	21.483	.01592	.00988	.17608	.00134	790.58	.00111	.02897
#2	-.00201	21.461	.01895	.01017	.17669	.00127	786.45	.00108	.02910
Check ?	Chk 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	**.16118**	**.07170**	**63.885**	**6.6399**	**10.128**	**.03518**	**233.85**	**2.4416**	**.02788**
Stddev	.00042	.00010	.002	.0249	.117	.00004	.67	.0085	.00005
%RSD	.25900	.14206	.00380	.37518	1.1535	.10931	.28498	.34678	.18148
#1	.16148	.07177	63.886	6.6223	10.211	.03521	233.38	2.4356	.02784
#2	.16089	.07162	63.883	6.6575	10.046	.03516	234.33	2.4476	.02791
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	**4.4873**	**.09915**	**.08275**	**.5555**	**-.00052**	**.00612**	**15.716**	**.03390**	**.81694**
Stddev	.0083	.00049	.00011	.0056	.00069	.00037	.034	.00042	.00064
%RSD	.18598	.49283	.12937	1.001	131.95	6.0097	.21438	1.2490	.07863
#1	4.4814	.09950	.08282	.5594	-.00101	.00638	15.739	.03360	.81740
#2	4.4932	.09881	.08267	.5515	-.00004	.00586	15.692	.03420	.81649
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	**.73231**	**-.00492**	**.04710**	**.14149**
Stddev	.00484	.00078	.00013	.00084
%RSD	.66106	15.948	.28081	.59455
#1	.73573	-.00547	.04719	.14090
#2	.72888	-.00436	.04700	.14209
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				
Low Limit				

Int. Std.	In2306	Y_2243	Y_3600	Y_3774
Line	230.606 {446}	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**2640.4**	**4392.0**	**63798.**	**14101.**
Stddev	7.4	8.9	41.	69.
%RSD	.27938	.20216	.06479	.49121
#1	2635.2	4385.7	63827.	14052.
#2	2645.7	4398.3	63769.	14149.

Sample Name: CCV Acquired: 3/14/2014 3:14:15 Type: QC
Method: ICAP1 New RLs at low cal point Mode: CONC Corr. Factor: 1.000000
User: AMH 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	**.50881**	**25.551**	**.54357**	**.52901**	**.54183**	**.52196**	**25.018**	**.53187**	**.51921**	**.50367**	**.52159**	**24.773**
Stddev	.00133	.059	.00330	.00089	.00030	.00039	.292	.00014	.00099	.00391	.00192	.017
%RSD	.26101	.23200	.60738	.16901	.05527	.07512	1.1667	.02656	.19095	.77729	.36724	.06896
#1	.50787	25.509	.54123	.52838	.54204	.52168	25.224	.53177	.51991	.50090	.52024	24.785
#2	.50975	25.593	.54590	.52965	.54162	.52224	24.811	.53197	.51851	.50643	.52295	24.761
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	**27.185**	**27.230**	**.54798**	**25.667**	**.52524**	**.53614**	**26.434**	**.52726**	**.51720**	**25.26**	**.52360**	**.53502**
Stddev	.009	.064	.00111	.096	.00185	.00050	.011	.00031	.00024	.04	.00077	.00102
%RSD	.03434	.23517	.20296	.37562	.35150	.09368	.04290	.05913	.04630	.1394	.14637	.19132
#1	27.191	27.185	.54719	25.599	.52393	.53578	26.426	.52703	.51703	25.23	.52306	.53574
#2	27.178	27.275	.54877	25.735	.52654	.53649	26.442	.52748	.51737	25.28	.52414	.53429
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	**24.895**	**.51441**	**.52242**	**.50802**	**.52132**	**.49629**	**.48715**
Stddev	.237	.00021	.00102	.00177	.00026	.00167	.00020
%RSD	.95309	.04115	.19578	.34766	.04923	.33729	.04072
#1	24.727	.51456	.52315	.50927	.52114	.49510	.48701
#2	25.063	.51426	.52170	.50678	.52150	.49747	.48729
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	**3299.0**	**4945.2**	**70784.**	**14464.**
Stddev	1.2	5.5	329.	44.
%RSD	.03725	.11221	.46423	.30351
#1	3298.1	4949.1	71017.	14433.
#2	3299.8	4941.3	70552.	14496.

Sample Name: CCB Acquired: 3/14/2014 3:17:01 Type: QC
Method: ICAP1 New RLs at low cal point Mode: CONC Corr. Factor: 1.000000
User: AMH 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	**.00011**	**.00101**	**-.00122**	**.00139**	**.00011**	**-.00003**	**.01053**	**.00006**	**.00006**	**.00015**	**-.00007**	**-.00136**
Stddev	.00017	.00090	.00078	.00010	.00002	.00002	.00281	.00007	.00000	.00005	.00005	.00160
%RSD	149.75	89.421	64.055	7.4661	13.503	65.263	26.665	104.27	2.2504	35.168	71.908	118.02
#1	.00023	.00037	-.00067	.00147	.00010	-.00002	.01252	.00002	.00006	.00011	-.00011	-.00022
#2	-.00001	.00165	-.00177	.00132	.00013	-.00004	.00855	.00011	.00006	.00019	-.00004	-.00249
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	**.02385**	**.00235**	**.00066**	**.00485**	**.00011**	**.00004**	**.05349**	**-.00021**	**.00069**	F **.0059**	**-.00067**	**.00266**
Stddev	.03263	.00064	.00035	.00532	.00006	.00003	.00047	.00019	.00029	.0007	.00122	.00243
%RSD	136.82	27.421	52.641	109.64	59.251	66.389	.88406	87.599	42.240	11.66	181.45	91.377
#1	.04692	.00189	.00090	.00861	.00006	.00006	.05382	-.00034	.00089	.0054	.00019	.00094
#2	.00078	.00280	.00041	.00109	.00015	.00002	.05315	-.00008	.00048	.0064	-.00153	.00438
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
High Limit										.0030		
Low Limit										-.0040		

Elem	Si2881	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.02239**	**.00005**	**-.00001**	**.00030**	**.00064**	**.00014**	**-.00011**
Stddev	.00231	.00025	.00001	.00009	.00114	.00015	.00021
%RSD	10.297	468.62	72.706	30.865	179.09	106.63	190.27
#1	.02076	.00023	-.00000	.00024	.00144	.00004	.00004
#2	.02402	-.00012	-.00001	.00037	-.00017	.00025	-.00026
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	**3606.2**	**5096.6**	**72503.**	**14438.**
Stddev	2.4	9.7	62.	32.
%RSD	.06558	.19117	.08556	.22113
#1	3604.5	5089.8	72459.	14415.
#2	3607.9	5103.5	72547.	14461.

Sample Name: 480-55428-B-4-D Acquired: 3/14/2014 3:19:52 Type: Unk
Method: ICAP1 New RLs at low cal point Mode: CONC Corr. Factor: 1.000000
User: AMH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	B_2089	Ba4554-2	Be3130	Ca3179	Cd2288	Co2286
Line	328.068 {103}	308.215 {109}	189.042 {478}	208.959 {461}	455.403 { 74}2	313.042 {108}	317.933 {106}	228.802 {447}	228.616 {447}
IS Ref	(Y_3600)	(Y_3774)	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3774)	(Y_3774)	(Y_2243)	(In2306)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00200**	**18.427**	**.01845**	**.00848**	**.17166**	**.00167**	**578.15**	**.00119**	**.02454**
Stddev	.00002	.047	.00229	.00064	.00022	.00001	1.17	.00015	.00003
%RSD	1.0462	.25661	12.384	7.5107	.12614	.88558	.20283	12.414	.11564
#1	-.00199	18.460	.02007	.00803	.17181	.00168	578.98	.00129	.02452
#2	-.00202	18.393	.01684	.00893	.17150	.00166	577.32	.00108	.02456
Check ?	Chk 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	**.16578**	**.09539**	**71.846**	**6.5287**	**9.1493**	**.02766**	**164.28**	**2.2342**	**.04240**
Stddev	.00021	.00043	.247	.0139	.0586	.00026	.40	.0053	.00001
%RSD	.12796	.44741	.34358	.21247	.64025	.94431	.24337	.23912	.03185
#1	.16563	.09509	72.021	6.5385	9.1907	.02785	164.57	2.2380	.04241
#2	.16593	.09570	71.671	6.5189	9.1079	.02748	164.00	2.2305	.04239
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	**6.8703**	**.11933**	**.19221**	**.8488**	**.00055**	**.00288**	**14.100**	**.03365**	**.63486**
Stddev	.0063	.00068	.00018	.0007	.00095	.00142	.035	.00058	.00026
%RSD	.09194	.57138	.09174	.0874	173.74	49.242	.24852	1.7151	.04124
#1	6.8659	.11981	.19209	.8494	-.00012	.00388	14.075	.03324	.63468
#2	6.8748	.11885	.19234	.8483	.00122	.00188	14.125	.03406	.63505
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	**.70816**	**-.00089**	**.04706**	**.18626**
Stddev	.00479	.00073	.00029	.00213
%RSD	.67687	82.258	.60940	1.1447
#1	.71155	-.00037	.04727	.18777
#2	.70477	-.00140	.04686	.18475
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				
Low Limit				

Int. Std.	In2306	Y_2243	Y_3600	Y_3774
Line	230.606 {446}	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**2776.6**	**4615.7**	**64285.**	**14156.**
Stddev	3.3	13.1	413.	63.
%RSD	.11897	.28449	.64305	.44355
#1	2774.3	4606.5	63993.	14111.
#2	2778.9	4625.0	64577.	14200.

Sample Name: CCVL Acquired: 3/14/2014 3:22:48 Type: QC
Method: ICAP1 New RLs at low cal point Mode: CONC Corr. Factor: 1.000000
User: AMH 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	**.00576**	**.21609**	**.01593**	**.02125**	**.00233**	**.00209**	**.55366**	**.00197**	**.00403**	**.00406**	**.01082**	**.05326**
Stddev	.00016	.01315	.00016	.00027	.00002	.00006	.00936	.00012	.00009	.00009	.00028	.00498
%RSD	2.7579	6.0840	.98294	1.2586	.75498	2.8178	1.6900	5.9705	2.3179	2.2943	2.5630	9.3443
#1	.00587	.22539	.01604	.02144	.00232	.00205	.56028	.00189	.00410	.00413	.01102	.05678
#2	.00565	.20680	.01582	.02107	.00235	.00213	.54705	.00205	.00397	.00399	.01062	.04974
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	**.56298**	**.44014**	**.03206**	**.22074**	**.00360**	**.01015**	**1.1065**	**.01106**	**.01019**	**.1993**	**.01973**	**.02589**
Stddev	.00259	.00596	.00119	.00558	.00002	.00007	.0018	.00006	.00032	.0039	.00117	.00104
%RSD	.45926	1.3547	3.6977	2.5286	.44296	.70808	.16585	.51079	3.0938	1.950	5.9529	4.0112
#1	.56115	.44436	.03122	.21679	.00361	.01020	1.1052	.01110	.00996	.1965	.02056	.02515
#2	.56481	.43592	.03290	.22469	.00359	.01010	1.1078	.01102	.01041	.2020	.01890	.02662
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	**.51276**	**.01043**	**.00495**	**.00506**	**.02197**	**.00536**	**.00939**
Stddev	.00218	.00035	.00002	.00036	.00054	.00002	.00032
%RSD	.42544	3.3369	.48449	7.1652	2.4351	.30786	3.3609
#1	.51121	.01067	.00494	.00480	.02235	.00535	.00962
#2	.51430	.01018	.00497	.00532	.02159	.00537	.00917
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	**3677.4**	**5265.5**	**73113.**	**14491.**
Stddev	8.4	15.7	177.	65.
%RSD	.22944	.29889	.24162	.44778
#1	3683.3	5276.6	73238.	14445.
#2	3671.4	5254.4	72988.	14537.

Sample Name: 480-55428-A-5-D Acquired: 3/14/2014 3:25:38 Type: Unk
Method: ICAP1 New RLs at low cal point Mode: CONC Corr. Factor: 1.000000
User: AMH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	B_2089	Ba4554-2	Be3130	Ca3179	Cd2288	Co2286
Line	328.068 {103}	308.215 {109}	189.042 {478}	208.959 {461}	455.403 { 74}2	313.042 {108}	317.933 {106}	228.802 {447}	228.616 {447}
IS Ref	(Y_3600)	(Y_3774)	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3774)	(Y_3774)	(Y_2243)	(In2306)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00170**	**20.883**	**.01800**	**.00707**	**.19139**	**.00135**	**378.25**	**.00092**	**.06689**
Stddev	.00008	.005	.00070	.00031	.00042	.00001	1.31	.00017	.00034
%RSD	4.8996	.02193	3.9085	4.4515	.22049	.47490	.34506	18.664	.50147
#1	-.00176	20.880	.01850	.00729	.19168	.00134	377.33	.00105	.06712
#2	-.00164	20.887	.01750	.00684	.19109	.00135	379.17	.00080	.06665
Check ?	Chk 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	**.17993**	**.11861**	**77.976**	**10.090**	**12.862**	**.03697**	**148.83**	**2.3948**	**.06191**
Stddev	.00055	.00000	.031	.021	.094	.00052	.06	.0011	.00015
%RSD	.30465	.00337	.04014	.21208	.73364	1.4007	.03702	.04485	.24899
#1	.17954	.11861	77.954	10.105	12.929	.03733	148.87	2.3956	.06202
#2	.18032	.11861	77.998	10.075	12.796	.03660	148.79	2.3941	.06180
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	**2.8004**	**.17226**	**.09131**	**.3205**	**-.00072**	**.00695**	**14.282**	**.03446**	**.39986**
Stddev	.0012	.00045	.00034	.0031	.00041	.00209	.015	.00022	.00128
%RSD	.04399	.26221	.37265	.9653	57.194	30.063	.10226	.64786	.32068
#1	2.7996	.17195	.09155	.3227	-.00101	.00843	14.272	.03430	.40076
#2	2.8013	.17258	.09107	.3183	-.00043	.00547	14.292	.03462	.39895
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	**.88116**	**-.00271**	**.04035**	**.16988**
Stddev	.00013	.00364	.00032	.00032
%RSD	.01518	134.33	.79143	.19104
#1	.88126	-.00529	.04058	.16965
#2	.88107	-.00014	.04012	.17011
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				
Low Limit				

Int. Std.	In2306	Y_2243	Y_3600	Y_3774
Line	230.606 {446}	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**2875.9**	**4704.5**	**64395.**	**13993.**
Stddev	4.3	9.1	138.	6.
%RSD	.14946	.19353	.21399	.04426
#1	2872.9	4698.0	64298.	13988.
#2	2878.9	4710.9	64493.	13997.

Sample Name: 480-55428-C-6-C Acquired: 3/14/2014 3:28:34 Type: Unk
Method: ICAP1 New RLs at low cal point Mode: CONC Corr. Factor: 1.000000
User: AMH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	B_2089	Ba4554-2	Be3130	Ca3179	Cd2288	Co2286
Line	328.068 {103}	308.215 {109}	189.042 {478}	208.959 {461}	455.403 { 74}2	313.042 {108}	317.933 {106}	228.802 {447}	228.616 {447}
IS Ref	(Y_3600)	(Y_3774)	(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**	**20.357**	**.01888**	**.00630**	**.19391**	**.00128**	**616.80**	**.00101**	**.02729**
Stddev	.00007	.136	.00084	.00029	.00041	.00009	7.80	.00008	.00021
%RSD	6.4691	.66853	4.4570	4.6532	.21199	7.3156	1.2647	8.1316	.78657
#1	-.00106	20.261	.01828	.00609	.19420	.00122	611.28	.00095	.02714
#2	-.00116	20.453	.01947	.00651	.19362	.00135	622.31	.00107	.02745
Check ?	Chk 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	**.04976**	**.04356**	**63.521**	**9.1396**	**12.939**	**.02936**	**319.83**	**2.3128**	**.00512**
Stddev	.00055	.00043	.456	.0136	.135	.00031	1.11	.0087	.00002
%RSD	1.1028	.99433	.71774	.14912	1.0434	1.0621	.34755	.37750	.42921
#1	.05015	.04326	63.199	9.1299	12.843	.02914	320.62	2.3190	.00511
#2	.04937	.04387	63.843	9.1492	13.034	.02958	319.04	2.3067	.00514
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	**5.4195**	**.04639**	**.09143**	**1.066**	**-.00056**	**.00125**	**14.274**	**.03903**	**.43221**
Stddev	.0153	.00015	.00138	.010	.00184	.00698	.089	.00001	.00047
%RSD	.28145	.32739	1.5067	.9757	327.66	558.22	.62655	.02720	.10989
#1	5.4087	.04650	.09046	1.058	-.00187	-.00368	14.211	.03903	.43255
#2	5.4303	.04628	.09240	1.073	.00074	.00619	14.337	.03904	.43188
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	**.87588**	**.00062**	**.03212**	**.17500**
Stddev	.00285	.00005	.00003	.00138
%RSD	.32539	8.0408	.07852	.78991
#1	.87789	.00065	.03214	.17598
#2	.87386	.00058	.03211	.17402
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				
Low Limit				

Int. Std.	In2306	Y_2243	Y_3600	Y_3774
Line	230.606 {446}	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**2700.6**	**4490.3**	**61787.**	**13685.**
Stddev	1.8	8.7	237.	82.
%RSD	.06757	.19440	.38372	.59873
#1	2699.3	4484.1	61620.	13743.
#2	2701.9	4496.5	61955.	13627.

Sample Name: 480-55428-B-7-D Acquired: 3/14/2014 3:31:30 Type: Unk
Method: ICAP1 New RLs at low cal point Mode: CONC Corr. Factor: 1.000000
User: AMH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	B_2089	Ba4554-2	Be3130	Ca3179	Cd2288	Co2286
Line	328.068 {103}	308.215 {109}	189.042 {478}	208.959 {461}	455.403 { 74}2	313.042 {108}	317.933 {106}	228.802 {447}	228.616 {447}
IS Ref	(Y_3600)	(Y_3774)	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3774)	(Y_3774)	(Y_2243)	(In2306)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00137**	**21.284**	**.01881**	**.00538**	**.36431**	**.00127**	**428.55**	**.00152**	**.03505**
Stddev	.00065	.052	.00218	.00017	.00178	.00001	1.99	.00002	.00010
%RSD	47.365	.24273	11.609	3.1834	.48958	.45156	.46520	1.5441	.28339
#1	-.00183	21.248	.01727	.00550	.36305	.00126	429.96	.00150	.03498
#2	-.00091	21.321	.02035	.00526	.36557	.00127	427.15	.00153	.03512
Check ?	Chk 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	**.03140**	**.11101**	**55.028**	**8.7284**	**11.629**	**.03364**	**246.10**	**4.2576**	**.00109**
Stddev	.00023	.00058	.329	.0168	.051	.00033	.37	.0014	.00023
%RSD	.73435	.52352	.59820	.19261	.44114	.97525	.15172	.03167	20.984
#1	.03157	.11060	54.795	8.7403	11.593	.03387	245.84	4.2566	.00093
#2	.03124	.11142	55.261	8.7165	11.666	.03341	246.36	4.2585	.00125
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Na5895	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	**.90411**	**.05163**	**.04929**	**1.720**	**-.00245**	**.00456**	**12.592**	**.03514**	**.39487**
Stddev	.00158	.00042	.00009	.001	.00102	.00209	.007	.00065	.00017
%RSD	.17530	.82319	.18057	.0572	41.360	45.932	.05928	1.8600	.04262
#1	.90523	.05133	.04935	1.719	-.00317	.00604	12.587	.03468	.39475
#2	.90299	.05193	.04922	1.720	-.00174	.00308	12.597	.03561	.39499
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	**.77603**	**-.00552**	**.03249**	**.15417**
Stddev	.00420	.00084	.00018	.00070
%RSD	.54097	15.271	.56684	.45343
#1	.77307	-.00493	.03262	.15466
#2	.77900	-.00612	.03236	.15367
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				
Low Limit				

Int. Std.	In2306	Y_2243	Y_3600	Y_3774
Line	230.606 {446}	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**2808.4**	**4690.4**	**64435.**	**14131.**
Stddev	.5	.0	93.	67.
%RSD	.01833	.00037	.14483	.47445
#1	2808.8	4690.4	64500.	14083.
#2	2808.1	4690.3	64369.	14178.

Sample Name: 480-55428-B-8-D Acquired: 3/14/2014 3:34:26 Type: Unk
Method: ICAP1 New RLs at low cal point Mode: CONC Corr. Factor: 1.000000
User: AMH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	B_2089	Ba4554-2	Be3130	Ca3179	Cd2288	Co2286
Line	328.068 {103}	308.215 {109}	189.042 {478}	208.959 {461}	455.403 { 74}2	313.042 {108}	317.933 {106}	228.802 {447}	228.616 {447}
IS Ref	(Y_3600)	(Y_3774)	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3774)	(Y_3774)	(Y_2243)	(In2306)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00114**	**31.182**	**.01939**	**.00586**	**.22393**	**.00139**	**307.70**	**.00084**	**.11732**
Stddev	.00020	.058	.00176	.00005	.00064	.00001	1.45	.00013	.00010
%RSD	17.905	.18733	9.0661	.92942	.28443	.81627	.47242	15.303	.08163
#1	-.00099	31.140	.01815	.00590	.22348	.00139	306.67	.00093	.11739
#2	-.00128	31.223	.02064	.00582	.22438	.00138	308.73	.00075	.11725
Check ?	Chk 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	**.43882**	**.11571**	**90.550**	**6.3561**	**8.0555**	**.04203**	**154.20**	**2.8459**	**.05534**
Stddev	.00113	.00076	.230	.0496	.0585	.00087	.11	.0012	.00011
%RSD	.25757	.65295	.25346	.77981	.72573	2.0606	.06890	.04066	.19796
#1	.43962	.11517	90.388	6.3211	8.0969	.04142	154.28	2.8467	.05527
#2	.43802	.11624	90.712	6.3912	8.0142	.04264	154.13	2.8451	.05542
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	**5.3349**	**.15676**	**.05901**	**2.272**	**-.00344**	**.00808**	**15.064**	**.03084**	**.23029**
Stddev	.0139	.00063	.00072	.007	.00141	.00052	.059	.00052	.00015
%RSD	.25982	.40169	1.2163	.2960	41.028	6.4354	.39141	1.6896	.06347
#1	5.3251	.15631	.05850	2.277	-.00444	.00772	15.022	.03121	.23019
#2	5.3447	.15720	.05951	2.268	-.00244	.00845	15.105	.03047	.23039
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	**1.2252**	**-.00143**	**.08377**	**.14767**
Stddev	.0008	.00019	.00050	.00035
%RSD	.06147	13.369	.60106	.23922
#1	1.2246	-.00130	.08412	.14791
#2	1.2257	-.00157	.08341	.14742
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				
Low Limit				

Int. Std.	In2306	Y_2243	Y_3600	Y_3774
Line	230.606 {446}	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**2913.3**	**4761.9**	**65186.**	**14023.**
Stddev	3.5	5.7	178.	24.
%RSD	.12043	.11959	.27381	.16767
#1	2910.9	4757.9	65059.	14040.
#2	2915.8	4765.9	65312.	14007.

Sample Name: 480-55162-B-8-C Acquired: 3/14/2014 3:37:20 Type: Unk
Method: ICAP1 New RLs at low cal point Mode: CONC Corr. Factor: 1.000000
User: AMH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	B_2089	Ba4554-2	Be3130	Ca3179	Cd2288	Co2286
Line	328.068 {103}	308.215 {109}	189.042 {478}	208.959 {461}	455.403 { 74}2	313.042 {108}	317.933 {106}	228.802 {447}	228.616 {447}
IS Ref	(Y_3600)	(Y_3774)	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3774)	(Y_3774)	(Y_2243)	(In2306)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00232**	**4.5735**	**.00489**	**.03392**	**.27353**	**-.00000**	**16.894**	**.00073**	**.00197**
Stddev	.00072	.0332	.00195	.00051	.00075	.00005	.086	.00005	.00004
%RSD	31.006	.72631	39.875	1.5088	.27355	9338.6	.50783	6.8072	1.9386
#1	.00181	4.5500	.00351	.03428	.27406	.00003	16.834	.00070	.00194
#2	.00282	4.5970	.00627	.03356	.27300	-.00003	16.955	.00077	.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	Cr2677	Cu3247	Fe2599	K_7664	K_7664-2	Li6707	Mg2790	Mn2576	Mo2020
Line	267.716 {126}	324.754 {104}	259.940 {130}	766.490 { 44}	766.490 { 44}2	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}
IS Ref	(Y_3600)	(Y_3600)	(Y_3774)	(Y_3774)	(Y_3774)	(Y_3774)	(Y_3600)	(Y_3600)	(Y_2243)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.03345**	**.28119**	**27.259**	**2.1751**	**1.9259**	**.00492**	**2.1705**	**.10773**	**.00847**
Stddev	.00072	.00132	.016	.0072	.0008	.00036	.0208	.00030	.00008
%RSD	2.1650	.46817	.05721	.33183	.03874	7.2557	.95972	.27594	.91344
#1	.03396	.28212	27.248	2.1700	1.9254	.00467	2.1852	.10794	.00841
#2	.03294	.28026	27.270	2.1802	1.9265	.00518	2.1557	.10752	.00852
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	**2.1963**	**.01088**	**.01659**	**7.715**	**.00102**	**.00303**	**3.3708**	**.02049**	**.23213**
Stddev	.0002	.00009	.00047	.001	.00011	.00033	.0001	.00012	.00001
%RSD	.00978	.81954	2.8336	.0061	10.512	10.961	.00318	.59756	.00409
#1	2.1962	.01094	.01625	7.715	.00110	.00279	3.3709	.02040	.23214
#2	2.1965	.01081	.01692	7.715	.00095	.00326	3.3707	.02057	.23213
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	**.15359**	**-.00029**	**.00680**	**.44172**
Stddev	.00098	.00031	.00009	.00077
%RSD	.63597	107.77	1.2738	.17407
#1	.15290	-.00007	.00673	.44226
#2	.15428	-.00051	.00686	.44118
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				
Low Limit				

Int. Std.	In2306	Y_2243	Y_3600	Y_3774
Line	230.606 {446}	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**3471.2**	**5087.1**	**69497.**	**14296.**
Stddev	2.4	4.8	259.	54.
%RSD	.07025	.09359	.37277	.38031
#1	3472.9	5083.7	69314.	14334.
#2	3469.4	5090.4	69680.	14257.

Sample Name: RB Acquired: 3/14/2014 3:40:05 Type: Unk
Method: ICAP1 New RLs at low cal point Mode: CONC Corr. Factor: 1.000000
User: AMH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	B_2089	Ba4554-2	Be3130	Ca3179	Cd2288	Co2286
Line	328.068 {103}	308.215 {109}	189.042 {478}	208.959 {461}	455.403 { 74}2	313.042 {108}	317.933 {106}	228.802 {447}	228.616 {447}
IS Ref	(Y_3600)	(Y_3774)	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3774)	(Y_3774)	(Y_2243)	(In2306)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00000**	**-.00448**	**.00120**	**.00073**	**.00014**	**.00000**	**.01536**	**.00003**	**.00003**
Stddev	.00023	.00234	.00200	.00006	.00000	.00000	.00198	.00003	.00000
%RSD	5850.9	52.259	166.56	8.0027	1.1914	40.077	12.914	100.87	18.469
#1	.00016	-.00283	-.00021	.00077	.00014	.00001	.01677	.00001	.00003
#2	-.00016	-.00614	.00262	.00068	.00014	.00000	.01396	.00005	.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	**.00008**	**.07590**	**.00096**	**.03077**	**.00052**	**.00098**	**.00537**	**.00006**	**-.00025**
Stddev	.00038	.00037	.00036	.02881	.00006	.00021	.00208	.00007	.00006
%RSD	487.29	.49317	37.635	93.624	11.031	21.738	38.758	111.45	24.276
#1	.00034	.07616	.00122	.01040	.00048	.00113	.00390	.00011	-.00020
#2	-.00019	.07563	.00070	.05114	.00056	.00083	.00685	.00001	-.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	**.03617**	**-.00014**	**.01804**	**.0078**	**-.00125**	**-.00000**	**.01840**	**.00042**	**-.00008**
Stddev	.00517	.00007	.00049	.0012	.00035	.00097	.01105	.00012	.00007
%RSD	14.291	51.666	2.7430	15.11	27.933	78421.	60.047	28.397	84.413
#1	.03251	-.00019	.01769	.0086	-.00100	-.00069	.01059	.00033	-.00003
#2	.03982	-.00009	.01839	.0070	-.00150	.00068	.02621	.00050	-.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	Ti3349	Tl1908	V_2924	Zn2062
Line	334.904 {101}	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**	**-.00076**	**.00020**	**.05143**
Stddev	.00005	.00091	.00005	.00027
%RSD	323.02	119.78	24.996	.53082
#1	-.00005	-.00140	.00024	.05162
#2	.00002	-.00012	.00017	.05124
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				
Low Limit				

Int. Std.	In2306	Y_2243	Y_3600	Y_3774
Line	230.606 {446}	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**3610.2**	**5196.2**	**70477.**	**14053.**
Stddev	3.8	7.0	127.	93.
%RSD	.10626	.13545	.18041	.66041
#1	3612.9	5201.2	70387.	14119.
#2	3607.5	5191.2	70567.	13988.

Sample Name: RB Acquired: 3/14/2014 3:42:54 Type: Unk
Method: ICAP1 New RLs at low cal point Mode: CONC Corr. Factor: 1.000000
User: AMH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	B_2089	Ba4554-2	Be3130	Ca3179	Cd2288	Co2286
Line	328.068 {103}	308.215 {109}	189.042 {478}	208.959 {461}	455.403 { 74}2	313.042 {108}	317.933 {106}	228.802 {447}	228.616 {447}
IS Ref	(Y_3600)	(Y_3774)	(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**	**.00742**	**.00003**	**.00043**	**.00052**	**-.00001**	**.01685**	**-.00002**	**-.00002**
Stddev	.00019	.00618	.00114	.00028	.00003	.00003	.00022	.00006	.00001
%RSD	695.09	83.302	4136.1	65.107	5.9174	534.57	1.2901	295.60	58.327
#1	.00016	.01180	.00084	.00023	.00054	-.00003	.01670	-.00006	-.00003
#2	-.00011	.00305	-.00078	.00062	.00050	.00002	.01701	.00002	-.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	**.00041**	**.00082**	**-.00228**	**-.02766**	**.00336**	**.00086**	**.04022**	**.00063**	**-.00021**
Stddev	.00017	.00016	.00184	.02678	.00112	.00070	.00488	.00007	.00005
%RSD	41.259	19.267	80.569	96.805	33.152	81.668	12.126	11.798	24.786
#1	.00029	.00071	-.00098	-.00873	.00415	.00036	.04367	.00068	-.00017
#2	.00053	.00093	-.00358	-.04660	.00258	.00136	.03677	.00057	-.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	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	**.03127**	**.00016**	**-.00040**	**.0067**	**-.00154**	**.00091**	**.01154**	**.00013**	**-.00012**
Stddev	.00266	.00045	.00014	.0037	.00101	.00222	.00422	.00002	.00006
%RSD	8.4978	287.06	35.762	55.80	66.066	245.05	36.557	14.048	48.748
#1	.03315	.00048	-.00051	.0093	-.00225	.00247	.01452	.00012	-.00008
#2	.02939	-.00016	-.00030	.0040	-.00082	-.00066	.00855	.00014	-.00017
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Ti3349	Tl1908	V_2924	Zn2062
Line	334.904 {101}	190.856 {477}	292.402 {115}	206.200 {163}
IS Ref	(Y_3600)	(In2306)	(Y_3600)	(Y_3600)
Units	ppm	ppm	ppm	ppm
Avg	**.00029**	**-.00066**	**.00050**	**.00212**
Stddev	.00017	.00161	.00002	.00095
%RSD	57.477	244.57	4.8190	44.718
#1	.00017	-.00179	.00048	.00279
#2	.00041	.00048	.00051	.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	**3587.7**	**5160.0**	**71043.**	**14208.**
Stddev	.5	1.4	530.	32.
%RSD	.01481	.02648	.74573	.22606
#1	3588.1	5160.9	71417.	14231.
#2	3587.3	5159.0	70668.	14186.

Sample Name: RB Acquired: 3/14/2014 3:45:45 Type: Unk
Method: ICAP1 New RLs at low cal point Mode: CONC Corr. Factor: 1.000000
User: AMH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	B_2089	Ba4554-2	Be3130	Ca3179	Cd2288	Co2286
Line	328.068 {103}	308.215 {109}	189.042 {478}	208.959 {461}	455.403 { 74}2	313.042 {108}	317.933 {106}	228.802 {447}	228.616 {447}
IS Ref	(Y_3600)	(Y_3774)	(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**	**-.00649**	**-.00043**	**.00054**	**.00009**	**-.00001**	**.10404**	**-.00006**	**.00010**
Stddev	.00048	.01709	.00066	.00008	.00000	.00006	.10140	.00005	.00004
%RSD	71.992	263.36	152.13	15.138	3.0742	628.20	97.459	92.972	38.630
#1	-.00033	.00559	-.00090	.00048	.00008	.00003	.17574	-.00009	.00007
#2	-.00102	-.01857	.00003	.00059	.00009	-.00005	.03234	-.00002	.00013
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Cr2677	Cu3247	Fe2599	K_7664	K_7664-2	Li6707	Mg2790	Mn2576	Mo2020
Line	267.716 {126}	324.754 {104}	259.940 {130}	766.490 { 44}	766.490 { 44}2	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}
IS Ref	(Y_3600)	(Y_3600)	(Y_3774)	(Y_3774)	(Y_3774)	(Y_3774)	(Y_3600)	(Y_3600)	(Y_2243)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00037**	**.00080**	**.00902**	**.02092**	**.00028**	**.00090**	**.00565**	**-.00003**	**-.00019**
Stddev	.00019	.00001	.01077	.00272	.00012	.00057	.00422	.00007	.00007
%RSD	50.469	1.5455	119.45	12.978	43.564	63.603	74.708	261.55	36.702
#1	.00050	.00079	.01663	.02284	.00020	.00131	.00267	.00002	-.00024
#2	.00024	.00080	.00140	.01900	.00037	.00050	.00864	-.00008	-.00014
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	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	**.15853**	**-.00007**	**.00061**	**.0048**	**-.00027**	**-.00049**	**.00957**	**.00015**	**.00037**
Stddev	.10657	.00027	.00043	.0001	.00036	.00095	.00465	.00016	.00045
%RSD	67.224	391.57	69.350	1.317	131.99	194.91	48.580	107.95	120.27
#1	.23388	.00012	.00031	.0048	-.00053	.00018	.00629	.00026	.00069
#2	.08317	-.00026	.00091	.0047	-.00002	-.00115	.01286	.00004	.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	Ti3349	Tl1908	V_2924	Zn2062
Line	334.904 {101}	190.856 {477}	292.402 {115}	206.200 {163}
IS Ref	(Y_3600)	(In2306)	(Y_3600)	(Y_3600)
Units	ppm	ppm	ppm	ppm
Avg	**.00009**	**.00104**	**.00033**	**-.00047**
Stddev	.00013	.00120	.00001	.00007
%RSD	151.46	115.12	4.5336	13.889
#1	-.00001	.00019	.00032	-.00052
#2	.00018	.00189	.00034	-.00042
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				
Low Limit				

Int. Std.	In2306	Y_2243	Y_3600	Y_3774
Line	230.606 {446}	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**3594.8**	**5150.6**	**70615.**	**14152.**
Stddev	3.6	5.3	103.	96.
%RSD	.10018	.10329	.14599	.67484
#1	3597.4	5154.4	70543.	14220.
#2	3592.3	5146.8	70688.	14084.

Sample Name: CCV Acquired: 3/14/2014 3:48:37 Type: QC
Method: ICAP1 New RLs at low cal point Mode: CONC Corr. Factor: 1.000000
User: AMH 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	**.52966**	**26.309**	**.53479**	**.52144**	F **.55048**	**.51234**	**25.538**	**.53040**	**.52604**	**.53097**	**.54646**	**24.327**
Stddev	.00098	.127	.00246	.00033	.00014	.00168	.040	.00028	.00019	.00212	.00168	.076
%RSD	.18545	.48116	.45950	.06302	.02530	.32810	.15620	.05196	.03609	.39941	.30810	.31237
#1	.52897	26.399	.53305	.52120	.55038	.51353	25.566	.53059	.52591	.52947	.54527	24.381
#2	.53036	26.220	.53653	.52167	.55058	.51115	25.510	.53020	.52618	.53247	.54765	24.273
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	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	F **27.979**	**27.479**	F **.55739**	**26.447**	**.53017**	**.53629**	F **28.029**	**.52099**	**.52610**	**26.53**	**.54092**	**.52997**
Stddev	.031	.190	.00056	.060	.00112	.00029	.000	.00149	.00107	.03	.00116	.00120
%RSD	.11191	.69183	.09973	.22726	.21145	.05460	.00155	.28655	.20416	.1056	.21534	.22699
#1	27.957	27.613	.55778	26.405	.52938	.53649	28.028	.52205	.52686	26.51	.54174	.53082
#2	28.002	27.345	.55699	26.490	.53097	.53608	28.029	.51994	.52534	26.55	.54009	.52912
Check ?	Chk Fail	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value	25.000		.50000				25.000					
Range	10.000%		10.000%				10.000%					

Elem	Si2881	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**25.394**	**.54144**	**.54483**	**.54694**	**.52359**	**.54155**	**.53672**
Stddev	.049	.00153	.00052	.00058	.00045	.00324	.00299
%RSD	.19307	.28186	.09631	.10578	.08616	.59790	.55677
#1	25.359	.54036	.54446	.54653	.52391	.53926	.53461
#2	25.428	.54252	.54520	.54734	.52328	.54383	.53884
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	**3266.2**	**4995.6**	**67257.**	**14140.**
Stddev	1.7	2.0	127.	28.
%RSD	.05075	.04075	.18884	.20122
#1	3267.4	4997.1	67347.	14120.
#2	3265.1	4994.2	67167.	14160.

Sample Name: CCB Acquired: 3/14/2014 3:51:23 Type: QC
Method: ICAP1 New RLs at low cal point Mode: CONC Corr. Factor: 1.000000
User: AMH 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	**.00015**	**.00872**	**-.00065**	**.00128**	**.00008**	**-.00001**	**.00542**	**.00001**	**.00006**	**.00032**	**.00106**	**-.00066**
Stddev	.00032	.00620	.00161	.00001	.00002	.00003	.00213	.00005	.00002	.00027	.00003	.00022
%RSD	207.01	71.059	246.64	1.1444	19.672	574.74	39.395	422.21	29.452	84.834	2.6727	34.124
#1	.00038	.00434	.00048	.00129	.00007	-.00003	.00391	.00004	.00007	.00051	.00104	-.00050
#2	-.00007	.01310	-.00179	.00127	.00009	.00002	.00692	-.00002	.00005	.00013	.00108	-.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
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	**.04316**	**.00168**	**.00043**	**.00322**	**.00013**	**.00011**	**.03742**	**-.00031**	**.00106**	F **.0078**	**-.00138**	**.00083**
Stddev	.02844	.00011	.00029	.00351	.00002	.00001	.00283	.00003	.00060	.0009	.00147	.00106
%RSD	65.910	6.6376	67.382	108.85	14.242	10.429	7.5751	10.123	56.314	10.97	106.48	128.03
#1	.06327	.00176	.00022	.00074	.00011	.00010	.03541	-.00033	.00064	.0084	-.00242	.00158
#2	.02304	.00160	.00063	.00571	.00014	.00011	.03942	-.00029	.00149	.0072	-.00034	.00008
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
High Limit										.0030		
Low Limit										-.0040		

Elem	Si2881	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.01406**	**-.00017**	**-.00011**	**.00006**	**-.00105**	**.00003**	**-.00014**
Stddev	.00510	.00006	.00002	.00014	.00095	.00024	.00013
%RSD	36.284	35.600	17.819	224.43	90.178	950.74	94.060
#1	.01767	-.00022	-.00012	-.00004	-.00038	.00020	-.00022
#2	.01046	-.00013	-.00009	.00016	-.00172	-.00015	-.00005
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	**3569.9**	**5116.9**	**69900.**	**14108.**
Stddev	3.6	.4	200.	30.
%RSD	.10188	.00858	.28665	.21430
#1	3567.3	5116.6	70042.	14087.
#2	3572.5	5117.3	69758.	14130.

Sample Name: CCVL Acquired: 3/14/2014 3:54:15 Type: QC
Method: ICAP1 New RLs at low cal point Mode: CONC Corr. Factor: 1.000000
User: AMH 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	**.00579**	**.21157**	**.01495**	**.02085**	**.00231**	**.00210**	**.49442**	**.00204**	**.00408**	**.00386**	**.01097**	**.04506**
Stddev	.00018	.00587	.00053	.00022	.00003	.00002	.00094	.00007	.00014	.00025	.00006	.00015
%RSD	3.0388	2.7751	3.5608	1.0401	1.2958	.79698	.18946	3.3826	3.5327	6.5061	.53021	.32667
#1	.00567	.21573	.01533	.02101	.00229	.00208	.49375	.00209	.00398	.00369	.01101	.04496
#2	.00591	.20742	.01458	.02070	.00233	.00211	.49508	.00199	.00418	.00404	.01093	.04517
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	**.56822**	**.43383**	**.03220**	**.21145**	**.00347**	**.01005**	**1.1051**	**.01095**	**.00987**	**.2120**	**.01969**	**.02524**
Stddev	.00540	.00467	.00042	.00545	.00007	.00010	.0013	.00054	.00008	.0025	.00010	.00104
%RSD	.95069	1.0769	1.3026	2.5789	2.1134	.94744	.12142	4.9610	.81056	1.180	.50833	4.1297
#1	.56440	.43714	.03191	.20759	.00353	.01012	1.1042	.01133	.00993	.2102	.01962	.02450
#2	.57204	.43053	.03250	.21531	.00342	.00998	1.1060	.01056	.00982	.2138	.01976	.02598
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	**.49384**	**.01071**	**.00484**	**.00498**	**.01966**	**.00541**	**.00985**
Stddev	.00777	.00027	.00003	.00029	.00097	.00002	.00006
%RSD	1.5736	2.5347	.59904	5.8563	4.9185	.37608	.61189
#1	.48835	.01051	.00482	.00478	.01897	.00543	.00989
#2	.49934	.01090	.00486	.00519	.02034	.00540	.00981
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	**3628.6**	**5199.6**	**72051.**	**14397.**
Stddev	1.7	1.3	140.	80.
%RSD	.04553	.02466	.19487	.55891
#1	3627.5	5198.7	72150.	14340.
#2	3629.8	5200.5	71951.	14454.

Sample Name: CCVL-1918297 Acquired: 3/14/2014 3:57:05 Type: QC
Method: ICAP1 New RLs at low cal point Mode: CONC Corr. Factor: 1.000000
User: AMH 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	**.00568**	**.40952**	**.02175**	**.04099**	**.00450**	**.00414**	**.95983**	**.00209**	**.00806**	**.00801**	**.02094**	**.09334**
Stddev	.00009	.02343	.00127	.00044	.00000	.00004	.00305	.00003	.00002	.00004	.00035	.00068
%RSD	1.6202	5.7225	5.8443	1.0667	.00549	.94786	.31759	1.4096	.28511	.46150	1.6906	.72842
#1	.00561	.42609	.02085	.04068	.00450	.00417	.96199	.00207	.00807	.00798	.02068	.09286
#2	.00574	.39295	.02265	.04130	.00450	.00412	.95768	.00211	.00804	.00804	.02119	.09382
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	**1.0857**	**.86178**	**.06284**	**.40957**	**.00625**	**.02080**	**2.1236**	**.02244**	**.01059**	**.4014**	**.03968**	**.03017**
Stddev	.0111	.00061	.00054	.00727	.00004	.00007	.0139	.00030	.00011	.0069	.00056	.00210
%RSD	1.0263	.07078	.85669	1.7753	.67807	.35625	.65323	1.3279	1.0051	1.716	1.4112	6.9737
#1	1.0935	.86221	.06246	.40443	.00628	.02075	2.1138	.02265	.01066	.4062	.04008	.02868
#2	1.0778	.86134	.06322	.41471	.00622	.02085	2.1334	.02223	.01051	.3965	.03928	.03166
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	**.96337**	**.02111**	**.00980**	**.01011**	**.03813**	**.01015**	**.01993**
Stddev	.01237	.00057	.00010	.00035	.00221	.00002	.00062
%RSD	1.2842	2.7068	.97718	3.4454	5.8027	.16246	3.0868
#1	.95463	.02070	.00973	.01036	.03657	.01014	.01949
#2	.97212	.02151	.00987	.00987	.03969	.01016	.02036
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	**3556.9**	**5072.9**	**71125.**	**14364.**
Stddev	2.3	7.0	107.	6.
%RSD	.06391	.13841	.14991	.04400
#1	3555.3	5067.9	71201.	14359.
#2	3558.5	5077.9	71050.	14368.

Sample Name: MB 480-169718/1-A Acquired: 3/14/2014 3:59:55 Type: Unk
Method: ICAP1 New RLs at low cal point Mode: CONC Corr. Factor: 1.000000
User: AMH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	B_2089	Ba4554-2	Be3130	Ca3179	Cd2288	Co2286
Line	328.068 {103}	308.215 {109}	189.042 {478}	208.959 {461}	455.403 { 74}2	313.042 {108}	317.933 {106}	228.802 {447}	228.616 {447}
IS Ref	(Y_3600)	(Y_3774)	(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**	**-.00141**	**-.00051**	**.00072**	**.00046**	**-.00001**	**.02294**	**.00011**	**-.00008**
Stddev	.00007	.02223	.00239	.00015	.00003	.00004	.00005	.00007	.00003
%RSD	62.300	1581.2	471.57	20.791	6.2657	270.13	.22457	66.448	42.079
#1	-.00016	.01431	-.00220	.00083	.00048	-.00004	.02290	.00016	-.00010
#2	-.00006	-.01712	.00118	.00061	.00044	.00001	.02297	.00006	-.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	**-.00011**	**.00047**	**.00561**	**.09399**	**.03140**	**-.00001**	**.00663**	**-.00005**	**-.00021**
Stddev	.00023	.00012	.00013	.00407	.00016	.00047	.00310	.00001	.00019
%RSD	205.21	26.291	2.2509	4.3293	.51978	5017.2	46.664	22.002	91.429
#1	.00005	.00038	.00570	.09111	.03128	-.00034	.00445	-.00006	-.00007
#2	-.00028	.00055	.00552	.09686	.03151	.00033	.00882	-.00004	-.00034
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Na5895	Ni2316	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899	Sr4077
Line	589.592 { 57}	231.604 {446}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}2	189.989 {477}	407.771 { 83}
IS Ref	(Y_3774)	(In2306)	(In2306)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3774)	(In2306)	(Y_3774)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.05796**	**-.00043**	**.00048**	**.0134**	**-.00030**	**.00389**	**.09808**	F **.03677**	**.00006**
Stddev	.00134	.00017	.00050	.0023	.00012	.00224	.00293	.00012	.00002
%RSD	2.3187	39.334	104.15	17.42	39.624	57.556	2.9887	.32083	26.327
#1	.05701	-.00031	.00013	.0118	-.00022	.00547	.09601	.03685	.00007
#2	.05892	-.00055	.00083	.0151	-.00038	.00231	.10016	.03668	.00005
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass
High Limit								.01000	
Low Limit								-.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	**.00009**	**-.00053**	**.00032**	**.00124**
Stddev	.00013	.00092	.00003	.00038
%RSD	140.55	171.98	8.1400	30.372
#1	.00000	.00012	.00034	.00097
#2	.00018	-.00119	.00031	.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	**3519.4**	**4966.2**	**71085.**	**14226.**
Stddev	4.2	3.2	20.	31.
%RSD	.11821	.06433	.02768	.21882
#1	3516.5	4968.4	71099.	14204.
#2	3522.4	4963.9	71071.	14248.

Sample Name: LCSSRM 480-169718/2- Acquired: 3/14/2014 4:02:46 Type: Unk
Method: ICAP1 New RLs at low cal point Mode: CONC Corr. Factor: 1.000000
User: AMH 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	**.41244**	**69.670**	**1.0661**	**1.5684**	**3.2172**	**.75430**	**63.829**	**1.9437**	**1.3873**
Stddev	.00077	.117	.0016	.0001	.0152	.00111	.213	.0009	.0001
%RSD	.18582	.16782	.15121	.00650	.47195	.14734	.33310	.04468	.00820
#1	.41189	69.752	1.0673	1.5684	3.2279	.75509	63.679	1.9443	1.3874
#2	.41298	69.587	1.0650	1.5683	3.2064	.75351	63.980	1.9430	1.3872
Check ?	Chk 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	**1.3315**	**1.0510**	**93.050**	**27.896**	**28.900**	**.07478**	**27.828**	**3.2045**	**1.4581**
Stddev	.0035	.0007	.058	.076	.018	.00003	.020	.0088	.0017
%RSD	.26044	.06713	.06253	.27119	.06386	.04205	.07023	.27472	.11678
#1	1.3339	1.0515	93.092	27.949	28.913	.07480	27.842	3.2107	1.4569
#2	1.3290	1.0505	93.009	27.842	28.887	.07476	27.815	3.1983	1.4593
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	**29.306**	**1.6677**	**1.2413**	**2.379**	**.82849**	**1.6108**	**26.270**	**1.0661**	**.98395**
Stddev	.084	.0027	.0010	.004	.00115	.0050	.001	.0019	.00450
%RSD	.28558	.16244	.07952	.1895	.13847	.31302	.00529	.18313	.45763
#1	29.366	1.6658	1.2406	2.383	.82931	1.6144	26.271	1.0675	.98714
#2	29.247	1.6696	1.2420	2.376	.82768	1.6072	26.269	1.0647	.98077
Check ?	Chk Pass	Chk Pass	Chk Pass	None	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	**3.2740**	**1.8984**	**.94593**	**1.6649**
Stddev	.0087	.0022	.00256	.0012
%RSD	.26524	.11629	.27069	.07305
#1	3.2801	1.8969	.94774	1.6658
#2	3.2678	1.9000	.94411	1.6641
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				
Low Limit				

Int. Std.	In2306	Y_2243	Y_3600	Y_3774
Line	230.606 {446}	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**3084.0**	**4945.7**	**70255.**	**14768.**
Stddev	3.9	4.7	182.	58.
%RSD	.12533	.09544	.25962	.39310
#1	3081.2	4942.4	70126.	14809.
#2	3086.7	4949.1	70384.	14727.

Sample Name: 480-55489-A-1-L Acquired: 3/14/2014 4:05:30 Type: Unk
Method: ICAP1 New RLs at low cal point Mode: CONC Corr. Factor: 1.000000
User: AMH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	B_2089	Ba4554-2	Be3130	Ca3179	Cd2288	Co2286
Line	328.068 {103}	308.215 {109}	189.042 {478}	208.959 {461}	455.403 { 74}2	313.042 {108}	317.933 {106}	228.802 {447}	228.616 {447}
IS Ref	(Y_3600)	(Y_3774)	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3774)	(Y_3774)	(Y_2243)	(In2306)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00277**	**66.545**	**.02536**	**.00875**	**.23665**	**.00161**	**6.1747**	**.00069**	**.03970**
Stddev	.00016	.010	.00131	.00060	.00091	.00005	.0006	.00004	.00010
%RSD	5.7926	.01554	5.1723	6.8097	.38347	2.9986	.00921	6.1391	.24491
#1	-.00266	66.553	.02629	.00917	.23729	.00164	6.1751	.00066	.03963
#2	-.00289	66.538	.02444	.00833	.23601	.00157	6.1743	.00072	.03977
Check ?	Chk 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	**.11528**	**.15035**	**93.918**	**9.0260**	**8.7458**	**.09152**	**20.485**	**3.1174**	**.04551**
Stddev	.00075	.00017	.285	.0816	.0961	.00073	.007	.0026	.00031
%RSD	.64737	.11001	.30337	.90449	1.0994	.79352	.03626	.08307	.68757
#1	.11581	.15046	94.119	9.0837	8.8138	.09204	20.490	3.1193	.04573
#2	.11475	.15023	93.716	8.9683	8.6778	.09101	20.479	3.1156	.04528
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	**.79232**	**.07297**	**.04686**	**.1328**	**.00133**	**.00307**	**13.394**	**.03031**	**.06298**
Stddev	.00069	.00069	.00140	.0005	.00192	.00127	.015	.00072	.00017
%RSD	.08682	.94063	2.9913	.3562	144.64	41.453	.11321	2.3842	.26800
#1	.79281	.07345	.04587	.1325	-.00003	.00217	13.405	.03082	.06310
#2	.79184	.07248	.04785	.1331	.00268	.00397	13.384	.02980	.06286
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	**4.9469**	**-.00315**	**.18101**	**.18804**
Stddev	.0013	.00042	.00038	.00063
%RSD	.02644	13.416	.20846	.33445
#1	4.9478	-.00345	.18128	.18849
#2	4.9459	-.00285	.18075	.18760
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				
Low Limit				

Int. Std.	In2306	Y_2243	Y_3600	Y_3774
Line	230.606 {446}	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**3272.5**	**4965.9**	**71208.**	**14563.**
Stddev	5.3	4.6	203.	71.
%RSD	.16341	.09246	.28556	.48871
#1	3268.7	4962.6	71064.	14513.
#2	3276.3	4969.1	71352.	14614.

Sample Name: 480-55489-A-2-F Acquired: 3/14/2014 4:08:19 Type: Unk
Method: ICAP1 New RLs at low cal point Mode: CONC Corr. Factor: 1.000000
User: AMH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	B_2089	Ba4554-2	Be3130	Ca3179	Cd2288	Co2286
Line	328.068 {103}	308.215 {109}	189.042 {478}	208.959 {461}	455.403 { 74}2	313.042 {108}	317.933 {106}	228.802 {447}	228.616 {447}
IS Ref	(Y_3600)	(Y_3774)	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3774)	(Y_3774)	(Y_2243)	(In2306)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00195**	**40.703**	**.02664**	**.00516**	**.16041**	**.00238**	**3.1725**	**.00087**	**.02721**
Stddev	.00054	.016	.00013	.00004	.00025	.00004	.0045	.00006	.00021
%RSD	27.504	.04009	.49975	.76941	.15500	1.4727	.14253	7.4857	.78268
#1	-.00157	40.691	.02674	.00519	.16059	.00235	3.1693	.00091	.02736
#2	-.00233	40.715	.02655	.00513	.16024	.00240	3.1757	.00082	.02706
Check ?	Chk 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	**.07015**	**.17741**	**145.33**	**4.3420**	**4.0728**	**.04198**	**7.0103**	**4.2475**	**.12471**
Stddev	.00044	.00050	.06	.0116	.0036	.00032	.0266	.0108	.00012
%RSD	.62078	.28261	.03890	.26758	.08737	.75370	.37946	.25379	.09645
#1	.06985	.17777	145.29	4.3502	4.0702	.04176	6.9915	4.2399	.12462
#2	.07046	.17706	145.37	4.3338	4.0753	.04221	7.0292	4.2551	.12479
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	**.44174**	**.03520**	**.02358**	**.1397**	**.00142**	**.00196**	**11.669**	**.02952**	**.03882**
Stddev	.00643	.00000	.00122	.0042	.00038	.00250	.015	.00026	.00003
%RSD	1.4558	.01155	5.1838	3.032	27.010	127.77	.12897	.87893	.08876
#1	.44629	.03519	.02444	.1427	.00169	.00373	11.680	.02971	.03879
#2	.43720	.03520	.02271	.1367	.00115	.00019	11.658	.02934	.03884
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	**2.3618**	**-.00197**	**.11383**	**.09534**
Stddev	.0021	.00229	.00005	.00042
%RSD	.08830	115.94	.03995	.43657
#1	2.3603	-.00036	.11386	.09504
#2	2.3632	-.00359	.11380	.09563
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				
Low Limit				

Int. Std.	In2306	Y_2243	Y_3600	Y_3774
Line	230.606 {446}	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**3319.0**	**4909.7**	**70963.**	**14361.**
Stddev	2.0	4.8	64.	50.
%RSD	.05961	.09790	.09065	.34794
#1	3317.6	4906.3	71008.	14326.
#2	3320.4	4913.1	70917.	14396.

Sample Name: 480-55489-A-3-F Acquired: 3/14/2014 4:11:03 Type: Unk
Method: ICAP1 New RLs at low cal point Mode: CONC Corr. Factor: 1.000000
User: AMH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	B_2089	Ba4554-2	Be3130	Ca3179	Cd2288	Co2286
Line	328.068 {103}	308.215 {109}	189.042 {478}	208.959 {461}	455.403 { 74}2	313.042 {108}	317.933 {106}	228.802 {447}	228.616 {447}
IS Ref	(Y_3600)	(Y_3774)	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3774)	(Y_3774)	(Y_2243)	(In2306)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00075**	**5.6459**	**.00696**	**.00218**	**.06268**	**.00052**	**.36153**	**.00060**	**.01639**
Stddev	.00025	.0218	.00075	.00007	.00003	.00005	.00211	.00009	.00010
%RSD	33.235	.38659	10.709	3.4141	.05331	9.1167	.58289	14.968	.59569
#1	-.00092	5.6305	.00749	.00212	.06270	.00049	.36004	.00053	.01632
#2	-.00057	5.6614	.00644	.00223	.06265	.00056	.36302	.00066	.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	Cr2677	Cu3247	Fe2599	K_7664	K_7664-2	Li6707	Mg2790	Mn2576	Mo2020
Line	267.716 {126}	324.754 {104}	259.940 {130}	766.490 { 44}	766.490 { 44}2	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}
IS Ref	(Y_3600)	(Y_3600)	(Y_3774)	(Y_3774)	(Y_3774)	(Y_3774)	(Y_3600)	(Y_3600)	(Y_2243)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.02448**	**.03695**	**21.321**	**.72110**	**.56392**	**.00494**	**.60099**	**1.5894**	**.00903**
Stddev	.00002	.00006	.075	.00729	.00317	.00013	.00735	.0010	.00005
%RSD	.08544	.16866	.35028	1.0112	.56226	2.5295	1.2222	.06181	.53223
#1	.02447	.03691	21.268	.71594	.56168	.00503	.60618	1.5901	.00900
#2	.02450	.03700	21.374	.72625	.56616	.00486	.59579	1.5887	.00907
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	**.12199**	**.01314**	**.00647**	**.0495**	**.00041**	**.00162**	**4.1941**	**.04103**	**.00478**
Stddev	.00030	.00007	.00044	.0004	.00126	.00047	.0270	.00046	.00004
%RSD	.24751	.50489	6.7990	.7443	309.04	28.726	.64275	1.1189	.87547
#1	.12220	.01319	.00679	.0497	-.00048	.00195	4.1750	.04071	.00481
#2	.12178	.01309	.00616	.0492	.00130	.00129	4.2132	.04135	.00475
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Ti3349	Tl1908	V_2924	Zn2062
Line	334.904 {101}	190.856 {477}	292.402 {115}	206.200 {163}
IS Ref	(Y_3600)	(In2306)	(Y_3600)	(Y_3600)
Units	ppm	ppm	ppm	ppm
Avg	**.29221**	**-.00178**	**.02169**	**.03355**
Stddev	.00147	.00022	.00008	.00039
%RSD	.50303	12.587	.37138	1.1533
#1	.29117	-.00194	.02163	.03328
#2	.29325	-.00162	.02175	.03382
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				
Low Limit				

Int. Std.	In2306	Y_2243	Y_3600	Y_3774
Line	230.606 {446}	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**3490.8**	**4917.0**	**72515.**	**14377.**
Stddev	8.7	7.1	188.	20.
%RSD	.24986	.14457	.25984	.13690
#1	3484.6	4912.0	72382.	14363.
#2	3496.9	4922.0	72648.	14391.

Sample Name: 480-55489-A-4-F Acquired: 3/14/2014 4:13:50 Type: Unk
Method: ICAP1 New RLs at low cal point Mode: CONC Corr. Factor: 1.000000
User: AMH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	B_2089	Ba4554-2	Be3130	Ca3179	Cd2288	Co2286
Line	328.068 {103}	308.215 {109}	189.042 {478}	208.959 {461}	455.403 { 74}2	313.042 {108}	317.933 {106}	228.802 {447}	228.616 {447}
IS Ref	(Y_3600)	(Y_3774)	(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**	**44.987**	**.02957**	**.00593**	**.13792**	**.00345**	**3.8783**	**.00277**	**.04295**
Stddev	.00010	.166	.00014	.00029	.00027	.00002	.0155	.00005	.00020
%RSD	7.5507	.36833	.47036	4.8967	.19457	.53088	.39889	1.8505	.46086
#1	-.00137	44.870	.02967	.00573	.13773	.00343	3.8892	.00281	.04309
#2	-.00123	45.104	.02947	.00614	.13811	.00346	3.8673	.00273	.04281
Check ?	Chk 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	**.11786**	**.22377**	**168.36**	**4.2284**	**4.0712**	**.06099**	**9.2221**	**3.5159**	**.09875**
Stddev	.00012	.00103	.45	.0493	.0076	.00030	.0136	.0035	.00033
%RSD	.10514	.46177	.26541	1.1660	.18731	.49563	.14748	.10015	.33515
#1	.11777	.22304	168.04	4.1935	4.0766	.06078	9.2124	3.5134	.09898
#2	.11794	.22450	168.68	4.2632	4.0658	.06121	9.2317	3.5183	.09851
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	**.40770**	**.05669**	**.04986**	**.2411**	**.00589**	**.00536**	**14.703**	**.03244**	**.03545**
Stddev	.00260	.00091	.00019	.0026	.00104	.00268	.077	.00022	.00008
%RSD	.63761	1.6035	.39093	1.077	17.715	50.071	.52274	.68079	.23372
#1	.40586	.05733	.04973	.2430	.00515	.00725	14.649	.03228	.03539
#2	.40953	.05604	.05000	.2393	.00662	.00346	14.758	.03260	.03551
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	**2.5289**	**-.00449**	**.13285**	**.22266**
Stddev	.0000	.00040	.00043	.00076
%RSD	.00048	9.0058	.32250	.33978
#1	2.5289	-.00420	.13316	.22213
#2	2.5289	-.00478	.13255	.22320
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				
Low Limit				

Int. Std.	In2306	Y_2243	Y_3600	Y_3774
Line	230.606 {446}	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**3325.6**	**4982.0**	**72153.**	**14620.**
Stddev	6.5	8.7	19.	104.
%RSD	.19406	.17387	.02684	.71349
#1	3321.0	4975.9	72140.	14546.
#2	3330.2	4988.1	72167.	14693.

Sample Name: 480-55489-A-5-F Acquired: 3/14/2014 4:16:33 Type: Unk
Method: ICAP1 New RLs at low cal point Mode: CONC Corr. Factor: 1.000000
User: AMH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	B_2089	Ba4554-2	Be3130	Ca3179	Cd2288	Co2286
Line	328.068 {103}	308.215 {109}	189.042 {478}	208.959 {461}	455.403 { 74}2	313.042 {108}	317.933 {106}	228.802 {447}	228.616 {447}
IS Ref	(Y_3600)	(Y_3774)	(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**	**9.0832**	**.01137**	**.00147**	**.05612**	**.00095**	**1.1874**	**.00028**	**.00859**
Stddev	.00019	.0050	.00022	.00002	.00010	.00004	.0072	.00012	.00003
%RSD	24.465	.05555	1.9491	1.5707	.18355	4.3488	.60425	40.532	.37143
#1	-.00090	9.0796	.01121	.00148	.05605	.00097	1.1823	.00020	.00856
#2	-.00063	9.0868	.01153	.00145	.05619	.00092	1.1924	.00037	.00861
Check ?	Chk 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	**.03646**	**.04217**	**74.179**	**1.3923**	**1.1641**	**.00881**	**1.9658**	**.84973**	**.00912**
Stddev	.00013	.00022	.088	.0013	.0095	.00001	.0094	.00395	.00007
%RSD	.36867	.53187	.11830	.09558	.81474	.10247	.47838	.46532	.77833
#1	.03637	.04201	74.117	1.3913	1.1574	.00881	1.9592	.84693	.00907
#2	.03656	.04232	74.241	1.3932	1.1708	.00880	1.9725	.85252	.00917
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	**.21056**	**.01783**	**.01165**	**.0843**	**-.00006**	**.00036**	**7.0398**	**.03846**	**.01073**
Stddev	.00401	.00041	.00018	.0028	.00155	.00123	.0442	.00011	.00000
%RSD	1.9061	2.2982	1.5136	3.381	2623.0	343.63	.62713	.29070	.03548
#1	.20772	.01811	.01177	.0822	.00104	.00123	7.0086	.03838	.01073
#2	.21339	.01754	.01152	.0863	-.00116	-.00051	7.0710	.03854	.01073
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	**.51282**	**-.00162**	**.04409**	**.04294**
Stddev	.00150	.00058	.00002	.00004
%RSD	.29223	35.592	.05222	.10059
#1	.51177	-.00203	.04407	.04297
#2	.51388	-.00121	.04411	.04291
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				
Low Limit				

Int. Std.	In2306	Y_2243	Y_3600	Y_3774
Line	230.606 {446}	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**3460.3**	**5037.3**	**72774.**	**14558.**
Stddev	2.3	12.4	132.	38.
%RSD	.06543	.24589	.18172	.25906
#1	3458.7	5028.6	72868.	14585.
#2	3461.9	5046.1	72681.	14531.

Sample Name: 480-55489-A-6-F Acquired: 3/14/2014 4:19:19 Type: Unk
Method: ICAP1 New RLs at low cal point Mode: CONC Corr. Factor: 1.000000
User: AMH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	B_2089	Ba4554-2	Be3130	Ca3179	Cd2288	Co2286
Line	328.068 {103}	308.215 {109}	189.042 {478}	208.959 {461}	455.403 { 74}2	313.042 {108}	317.933 {106}	228.802 {447}	228.616 {447}
IS Ref	(Y_3600)	(Y_3774)	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3774)	(Y_3774)	(Y_2243)	(In2306)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00139**	**43.336**	**.01108**	**.00323**	**.23398**	**.00258**	**3.8878**	**.00054**	**.02850**
Stddev	.00051	.061	.00182	.00013	.00090	.00003	.0083	.00011	.00031
%RSD	36.310	.14006	16.422	4.0434	.38532	1.1200	.21382	20.374	1.0731
#1	-.00175	43.293	.00980	.00314	.23462	.00256	3.8820	.00062	.02828
#2	-.00104	43.379	.01237	.00332	.23334	.00260	3.8937	.00047	.02871
Check ?	Chk 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	**.11696**	**.15039**	**108.43**	**8.1110**	**7.5209**	**.05129**	**10.397**	**2.4697**	**.02056**
Stddev	.00040	.00066	.24	.0193	.0662	.00039	.013	.0097	.00003
%RSD	.34362	.44016	.22363	.23801	.87975	.76606	.12528	.39429	.13544
#1	.11725	.15086	108.26	8.1246	7.5677	.05102	10.406	2.4766	.02054
#2	.11668	.14992	108.61	8.0973	7.4741	.05157	10.388	2.4628	.02058
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	**.50839**	**.05664**	**.02921**	**.0996**	**-.00150**	**.00435**	**15.109**	**.03554**	**.03179**
Stddev	.00517	.00050	.00056	.0002	.00062	.00126	.002	.00085	.00011
%RSD	1.0160	.88998	1.9119	.2043	41.080	28.980	.01360	2.3923	.33306
#1	.50474	.05700	.02882	.0998	-.00194	.00525	15.108	.03615	.03172
#2	.51204	.05629	.02961	.0995	-.00106	.00346	15.111	.03494	.03187
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	**2.7589**	**-.00390**	**.13906**	**.16644**
Stddev	.0049	.00484	.00042	.00016
%RSD	.17782	124.23	.30546	.09801
#1	2.7623	-.00047	.13936	.16632
#2	2.7554	-.00732	.13876	.16656
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				
Low Limit				

Int. Std.	In2306	Y_2243	Y_3600	Y_3774
Line	230.606 {446}	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**3355.1**	**5065.6**	**72107.**	**14623.**
Stddev	2.1	15.0	542.	20.
%RSD	.06408	.29536	.75170	.13981
#1	3353.5	5055.0	71724.	14638.
#2	3356.6	5076.1	72490.	14609.

Sample Name: CCV Acquired: 3/14/2014 4:22:11 Type: QC
Method: ICAP1 New RLs at low cal point Mode: CONC Corr. Factor: 1.000000
User: AMH 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	**.51879**	**26.003**	**.53833**	**.52513**	**.54956**	**.52339**	**25.435**	**.53018**	**.52364**	**.52337**	**.53604**	**24.842**
Stddev	.00034	.046	.00453	.00116	.00024	.00022	.008	.00108	.00118	.00126	.00127	.029
%RSD	.06584	.17543	.84131	.22096	.04385	.04132	.03074	.20299	.22474	.24170	.23602	.11832
#1	.51855	25.970	.53512	.52431	.54939	.52324	25.429	.52942	.52280	.52248	.53693	24.822
#2	.51903	26.035	.54153	.52595	.54973	.52354	25.440	.53094	.52447	.52426	.53514	24.863
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	F **27.844**	F **27.787**	F **.55666**	**26.044**	**.53192**	**.53506**	**27.217**	**.52717**	**.52541**	**25.52**	**.52582**	**.53302**
Stddev	.014	.026	.00094	.012	.00027	.00005	.037	.00148	.00381	.05	.00021	.00066
%RSD	.04907	.09289	.16871	.04446	.05019	.01003	.13437	.28165	.72570	.1840	.04008	.12311
#1	27.853	27.769	.55600	26.053	.53211	.53510	27.192	.52612	.52271	25.48	.52597	.53348
#2	27.834	27.805	.55733	26.036	.53173	.53502	27.243	.52822	.52810	25.55	.52567	.53255
Check ?	Chk Fail	Chk Fail	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value	25.000	25.000	.50000									
Range	10.000%	10.000%	10.000%									

Elem	Si2881	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**25.009**	**.52928**	**.53686**	**.51912**	**.52407**	**.51788**	**.51357**
Stddev	.071	.00151	.00001	.00233	.00342	.00418	.00159
%RSD	.28584	.28567	.00249	.44810	.65235	.80657	.30937
#1	24.959	.52821	.53687	.51747	.52165	.51493	.51245
#2	25.060	.53035	.53685	.52076	.52648	.52083	.51470
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	**3308.1**	**5009.4**	**69397.**	**14161.**
Stddev	7.9	11.2	124.	14.
%RSD	.23888	.22301	.17858	.09613
#1	3313.7	5017.3	69485.	14171.
#2	3302.5	5001.5	69309.	14152.

Sample Name: CCB Acquired: 3/14/2014 4:24:57 Type: QC
Method: ICAP1 New RLs at low cal point Mode: CONC Corr. Factor: 1.000000
User: AMH 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	**-.00027**	**.01540**	**-.00069**	**.00111**	**.00009**	**-.00000**	**-.00168**	**-.00001**	**.00002**	**-.00004**	**.00032**	**.00104**
Stddev	.00087	.00830	.00183	.00052	.00000	.00001	.00046	.00001	.00001	.00005	.00002	.00049
%RSD	320.20	53.891	265.06	46.628	2.5650	192.08	27.307	114.41	37.170	119.34	5.5998	46.849
#1	-.00088	.00953	.00060	.00074	.00009	.00000	-.00135	-.00000	.00003	-.00008	.00030	.00139
#2	.00034	.02126	-.00198	.00147	.00009	-.00001	-.00200	-.00002	.00002	-.00001	.00033	.00070
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
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	**.05714**	**.00149**	**.00048**	**.00264**	**.00013**	**.00000**	**.02410**	**-.00017**	**.00157**	**.0025**	**-.00150**	**-.00050**
Stddev	.00267	.00017	.00015	.00114	.00003	.00014	.00906	.00015	.00089	.0019	.00033	.00349
%RSD	4.6780	11.550	32.162	43.298	25.096	3372.8	37.598	90.790	56.497	73.53	21.892	703.74
#1	.05525	.00161	.00059	.00183	.00015	-.00010	.03051	-.00028	.00094	.0039	-.00173	.00197
#2	.05903	.00137	.00037	.00345	.00010	.00011	.01770	-.00006	.00220	.0012	-.00126	-.00296
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	Si2881	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.02233**	**.00061**	**-.00010**	**.00024**	**.00029**	**.00017**	**-.00007**
Stddev	.00453	.00015	.00002	.00010	.00079	.00002	.00051
%RSD	20.295	24.823	20.040	41.326	275.07	9.1247	715.39
#1	.02554	.00071	-.00011	.00032	-.00027	.00018	.00029
#2	.01913	.00050	-.00009	.00017	.00085	.00016	-.00043
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	**3616.6**	**5140.1**	**72074.**	**14274.**
Stddev	4.4	4.1	205.	31.
%RSD	.12242	.07899	.28437	.21933
#1	3619.7	5142.9	71929.	14252.
#2	3613.5	5137.2	72219.	14296.

Sample Name: CCVL-1918297 Acquired: 3/14/2014 4:27:50 Type: QC
Method: ICAP1 New RLs at low cal point Mode: CONC Corr. Factor: 1.000000
User: AMH 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	**.00539**	**.41442**	**.02224**	**.04176**	**.00458**	**.00426**	**.99253**	**.00209**	**.00831**	**.00819**	**.02105**	**.09995**
Stddev	.00018	.00898	.00163	.00010	.00004	.00008	.00594	.00005	.00016	.00069	.00021	.00098
%RSD	3.4227	2.1663	7.3347	.24744	.76881	1.9945	.59821	2.4397	1.9084	8.4397	1.0101	.97700
#1	.00526	.42077	.02339	.04169	.00460	.00420	.99673	.00205	.00820	.00868	.02120	.10064
#2	.00552	.40807	.02109	.04183	.00455	.00432	.98833	.00213	.00842	.00770	.02090	.09926
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	**1.0706**	**.88757**	**.06444**	**.42008**	**.00632**	**.02096**	**2.1495**	**.02263**	**.01048**	**.3975**	**.03845**	**.03429**
Stddev	.0185	.01256	.00097	.00203	.00002	.00015	.0069	.00044	.00184	.0039	.00024	.00138
%RSD	1.7318	1.4154	1.5061	.48440	.30426	.69886	.32273	1.9342	17.520	.9779	.63084	4.0292
#1	1.0837	.89645	.06513	.42152	.00633	.02085	2.1544	.02232	.00918	.4002	.03828	.03527
#2	1.0575	.87868	.06376	.41864	.00630	.02106	2.1446	.02294	.01178	.3947	.03862	.03332
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	**1.0030**	**.02174**	**.01021**	**.00958**	**.04008**	**.01034**	**.01959**
Stddev	.0095	.00015	.00002	.00005	.00151	.00002	.00008
%RSD	.94378	.69443	.19553	.56098	3.7742	.16667	.40504
#1	.99626	.02163	.01020	.00961	.04115	.01036	.01954
#2	1.0096	.02185	.01022	.00954	.03901	.01033	.01965
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	**3598.3**	**5153.8**	**72035.**	**14315.**
Stddev	2.0	3.5	151.	70.
%RSD	.05502	.06737	.21010	.49090
#1	3599.7	5151.4	71928.	14266.
#2	3596.9	5156.3	72142.	14365.

Sample Name: CCVL-1921738 Acquired: 3/14/2014 4:30:40 Type: QC
Method: ICAP1 New RLs at low cal point Mode: CONC Corr. Factor: 1.000000
User: AMH 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	**.00612**	**.21959**	**.01584**	**.02061**	**.00232**	**.00207**	**.49599**	**.00203**	**.00410**	**.00409**	**.01074**	**.04398**
Stddev	.00035	.00259	.00124	.00005	.00002	.00002	.00108	.00001	.00008	.00008	.00010	.00077
%RSD	5.7163	1.1788	7.8168	.26383	.97027	.89007	.21807	.44140	2.0167	2.0701	.97187	1.7546
#1	.00587	.21776	.01496	.02057	.00234	.00208	.49676	.00204	.00404	.00403	.01082	.04453
#2	.00637	.22142	.01672	.02064	.00231	.00205	.49523	.00203	.00416	.00415	.01067	.04344
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	**.58552**	**.44023**	**.03271**	**.21141**	**.00351**	**.01010**	**1.1020**	**.01098**	**.00999**	**.2018**	**.01983**	**.02726**
Stddev	.00564	.00088	.00060	.00392	.00000	.00012	.0047	.00018	.00005	.0007	.00218	.00044
%RSD	.96405	.20092	1.8391	1.8539	.02218	1.1767	.43093	1.6038	.47181	.3392	11.004	1.6163
#1	.58951	.43960	.03229	.20864	.00351	.01002	1.1053	.01086	.01002	.2023	.01828	.02757
#2	.58153	.44085	.03314	.21418	.00351	.01019	1.0986	.01111	.00995	.2014	.02137	.02695
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	**.50115**	**.01054**	**.00504**	**.00481**	**.02011**	**.00524**	**.01005**
Stddev	.00689	.00032	.00005	.00038	.00183	.00008	.00029
%RSD	1.3744	3.0448	1.0231	8.0044	9.1203	1.6106	2.8709
#1	.49627	.01031	.00508	.00508	.01881	.00530	.01026
#2	.50602	.01076	.00501	.00453	.02140	.00518	.00985
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	**3665.9**	**5255.0**	**72700.**	**14443.**
Stddev	11.3	3.8	239.	9.
%RSD	.30824	.07294	.32823	.06164
#1	3673.9	5257.7	72869.	14437.
#2	3657.9	5252.3	72532.	14450.

Sample Name: MB 480-169834/1-A Acquired: 3/14/2014 4:33:30 Type: Unk
Method: ICAP1 New RLs at low cal point Mode: CONC Corr. Factor: 1.000000
User: AMH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	B_2089	Ba4554-2	Be3130	Ca3179	Cd2288	Co2286
Line	328.068 {103}	308.215 {109}	189.042 {478}	208.959 {461}	455.403 { 74}2	313.042 {108}	317.933 {106}	228.802 {447}	228.616 {447}
IS Ref	(Y_3600)	(Y_3774)	(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**	**.00660**	**-.00044**	**.00057**	**.00030**	**.00003**	**.05032**	**.00011**	**.00010**
Stddev	.00052	.00212	.00168	.00023	.00001	.00009	.00333	.00011	.00008
%RSD	182.35	32.050	382.99	40.794	3.3701	277.52	6.6183	102.42	76.979
#1	-.00008	.00810	-.00163	.00073	.00029	.00009	.05268	.00003	.00005
#2	.00066	.00510	.00075	.00040	.00031	-.00003	.04797	.00019	.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	**-.00042**	**.00077**	**.01078**	**.08801**	**.03562**	**.00101**	**.00323**	**.00144**	**.00020**
Stddev	.00011	.00015	.00201	.01542	.00068	.00031	.00041	.00001	.00014
%RSD	25.779	18.938	18.610	17.517	1.9061	31.141	12.646	.89311	70.197
#1	-.00050	.00088	.00936	.09891	.03610	.00123	.00352	.00145	.00010
#2	-.00034	.00067	.01220	.07711	.03514	.00079	.00294	.00143	.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	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	**.05172**	**-.00046**	**.00083**	**.0137**	**-.00169**	**.00004**	**.12792**	F **.04286**	**.00008**
Stddev	.00723	.00035	.00007	.0005	.00062	.00266	.00585	.00018	.00002
%RSD	13.990	76.058	8.8779	3.863	36.325	5982.1	4.5744	.40941	23.328
#1	.05683	-.00021	.00088	.0141	-.00213	.00193	.12379	.04298	.00009
#2	.04660	-.00071	.00078	.0133	-.00126	-.00184	.13206	.04273	.00007
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass
High Limit								.01000	
Low Limit								-.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	**.00014**	**.00156**	**.00057**	**.00212**
Stddev	.00016	.00120	.00024	.00037
%RSD	111.41	76.799	41.672	17.521
#1	.00003	.00071	.00074	.00185
#2	.00026	.00241	.00040	.00238
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				
Low Limit				

Int. Std.	In2306	Y_2243	Y_3600	Y_3774
Line	230.606 {446}	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**3548.5**	**5069.5**	**70847.**	**14255.**
Stddev	7.4	12.6	189.	78.
%RSD	.20773	.24850	.26660	.54810
#1	3543.3	5060.6	70713.	14200.
#2	3553.7	5078.4	70980.	14310.

Sample Name: LCSSRM 480-169834/2- Acquired: 3/14/2014 4:36:21 Type: Unk
Method: ICAP1 New RLs at low cal point Mode: CONC Corr. Factor: 1.000000
User: AMH 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	**.34497**	**55.955**	**.84593**	**1.2990**	**2.5149**	**.61045**	**56.265**	**1.5885**	**1.1346**
Stddev	.00085	.062	.00060	.0024	.0001	.00062	.146	.0011	.0016
%RSD	.24772	.11039	.07124	.18722	.00274	.10222	.25997	.07131	.13807
#1	.34436	55.911	.84636	1.2973	2.5149	.61089	56.161	1.5877	1.1335
#2	.34557	55.998	.84551	1.3007	2.5150	.61001	56.368	1.5893	1.1357
Check ?	Chk 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	**1.1493**	**.92560**	**77.742**	**22.710**	**24.016**	**.06026**	**22.270**	**2.5800**	**1.2314**
Stddev	.0070	.00307	.161	.017	.183	.00084	.005	.0106	.0014
%RSD	.60700	.33194	.20694	.07427	.76027	1.3957	.02467	.41052	.11527
#1	1.1444	.92343	77.628	22.698	23.887	.06085	22.266	2.5725	1.2304
#2	1.1542	.92777	77.855	22.722	24.145	.05967	22.273	2.5875	1.2324
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	**24.490**	**1.3921**	**.96360**	**1.966**	**.71951**	**1.3005**	**33.468**	**.85510**	**.80075**
Stddev	.083	.0018	.00431	.006	.00170	.0066	.122	.00283	.00098
%RSD	.34038	.12962	.44727	.3078	.23625	.50368	.36449	.33109	.12235
#1	24.431	1.3909	.96056	1.962	.71831	1.2959	33.381	.85309	.80006
#2	24.549	1.3934	.96665	1.971	.72071	1.3051	33.554	.85710	.80144
Check ?	Chk Pass	Chk Pass	Chk Pass	None	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	**2.6653**	**1.4606**	**.80846**	**1.3112**
Stddev	.0118	.0058	.00419	.0120
%RSD	.44224	.39491	.51846	.91747
#1	2.6569	1.4565	.80550	1.3027
#2	2.6736	1.4647	.81143	1.3197
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				
Low Limit				

Int. Std.	In2306	Y_2243	Y_3600	Y_3774
Line	230.606 {446}	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**3195.9**	**5099.5**	**69401.**	**14527.**
Stddev	6.1	3.1	237.	15.
%RSD	.19019	.05985	.34122	.10522
#1	3200.2	5101.7	69568.	14538.
#2	3191.6	5097.3	69233.	14516.

Sample Name: 480-55676-B-1-D Acquired: 3/14/2014 4:39:05 Type: Unk
Method: ICAP1 New RLs at low cal point Mode: CONC Corr. Factor: 1.000000
User: AMH 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	**-.00076**	**100.25**	**.07988**	**.06203**	**1.2805**	**.00567**	**86.939**	**.00379**	**.07078**
Stddev	.00016	.40	.00197	.00022	.0015	.00005	.279	.00004	.00010
%RSD	21.010	.39764	2.4640	.35757	.11929	.87041	.32131	.96305	.13746
#1	-.00065	100.53	.08128	.06219	1.2815	.00564	87.136	.00382	.07071
#2	-.00088	99.971	.07849	.06187	1.2794	.00571	86.741	.00376	.07085
Check ?	Chk 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	**.13643**	**.40159**	**135.19**	**13.120**	**14.144**	**.22377**	**47.244**	**2.4938**	**.00809**
Stddev	.00057	.00066	.38	.029	.009	.00225	.350	.0169	.00004
%RSD	.41647	.16365	.28117	.22238	.06007	1.0062	.74095	.67699	.51989
#1	.13603	.40205	135.46	13.140	14.138	.22536	46.996	2.4818	.00807
#2	.13683	.40112	134.92	13.099	14.150	.22218	47.491	2.5057	.00812
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	**3.9796**	**.16144**	**1.9038**	**2.180**	**.00212**	**.01119**	**26.571**	**.12620**	**.45400**
Stddev	.0174	.00078	.0071	.002	.00083	.00286	.142	.00043	.00149
%RSD	.43789	.48441	.37208	.0878	39.248	25.533	.53275	.34060	.32785
#1	3.9919	.16199	1.9088	2.182	.00270	.00917	26.671	.12590	.45505
#2	3.9673	.16089	1.8988	2.179	.00153	.01322	26.471	.12651	.45295
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	**1.9681**	**-.00272**	**.20760**	**2.8798**
Stddev	.0047	.00106	.00138	.0275
%RSD	.24070	38.973	.66514	.95470
#1	1.9647	-.00348	.20662	2.8604
#2	1.9714	-.00197	.20858	2.8992
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				
Low Limit				

Int. Std.	In2306	Y_2243	Y_3600	Y_3774
Line	230.606 {446}	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**3103.0**	**5147.3**	**70283.**	**14891.**
Stddev	5.1	7.2	131.	76.
%RSD	.16315	.14070	.18653	.51084
#1	3099.4	5142.2	70375.	14837.
#2	3106.6	5152.4	70190.	14945.

Sample Name: 480-55676-A-2-A Acquired: 3/14/2014 4:41:59 Type: Unk
Method: ICAP1 New RLs at low cal point Mode: CONC Corr. Factor: 1.000000
User: AMH 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	**-.00283**	**112.66**	**.01900**	**.03421**	**1.0583**	**.00598**	**13.968**	**.00242**	**.07304**
Stddev	.00093	.87	.00161	.00018	.0044	.00004	.147	.00023	.00004
%RSD	32.797	.76821	8.4489	.53920	.41642	.65424	1.0515	9.4505	.05315
#1	-.00349	112.05	.01786	.03434	1.0552	.00596	13.864	.00226	.07301
#2	-.00218	113.27	.02013	.03408	1.0615	.00601	14.072	.00258	.07307
Check ?	Chk 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	**.14780**	**.07025**	**154.75**	**11.855**	**12.364**	**.28896**	**33.446**	**3.8812**	**.00416**
Stddev	.00043	.00045	1.86	.072	.016	.00020	.023	.0009	.00007
%RSD	.29242	.64019	1.1998	.60751	.13085	.06840	.06745	.02285	1.7114
#1	.14750	.07057	153.44	11.804	12.353	.28882	33.430	3.8806	.00411
#2	.14811	.06993	156.06	11.906	12.376	.28910	33.462	3.8818	.00421
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	**4.4209**	**.16611**	**.14927**	**.5389**	**.00052**	**.00220**	**24.254**	**.02547**	**.14020**
Stddev	.0391	.00060	.00108	.0019	.00041	.00490	.250	.00009	.00095
%RSD	.88555	.35885	.72138	.3489	78.614	222.78	1.0301	.35084	.67558
#1	4.3932	.16653	.14851	.5376	.00080	.00567	24.078	.02541	.13953
#2	4.4486	.16569	.15003	.5403	.00023	-.00127	24.431	.02553	.14087
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	**2.4436**	**-.00095**	**.22377**	**.53110**
Stddev	.0054	.00041	.00054	.00044
%RSD	.21956	42.940	.24347	.08305
#1	2.4398	-.00066	.22416	.53078
#2	2.4474	-.00124	.22339	.53141
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				
Low Limit				

Int. Std.	In2306	Y_2243	Y_3600	Y_3774
Line	230.606 {446}	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**3214.1**	**5324.2**	**72327.**	**15160.**
Stddev	1.4	8.5	178.	122.
%RSD	.04337	.16013	.24578	.80195
#1	3213.1	5318.2	72201.	15246.
#2	3215.1	5330.2	72452.	15075.

Sample Name: 480-55676-A-3-D Acquired: 3/14/2014 4:44:52 Type: Unk
Method: ICAP1 New RLs at low cal point Mode: CONC Corr. Factor: 1.000000
User: AMH 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	**.00274**	**60.819**	**.07110**	**.12670**	**1.6492**	**.00352**	**353.85**	**.00330**	**.04999**
Stddev	.00048	.099	.00309	.00025	.0006	.00003	1.19	.00006	.00022
%RSD	17.556	.16283	4.3428	.20044	.03948	.79822	.33502	1.9270	.44315
#1	.00240	60.749	.07329	.12688	1.6488	.00354	353.01	.00325	.04983
#2	.00308	60.889	.06892	.12652	1.6497	.00350	354.69	.00334	.05014
Check ?	Chk 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	**.10512**	**.36793**	**133.05**	**12.071**	**15.231**	**.11295**	**58.435**	**2.9719**	**.00819**
Stddev	.00069	.00158	.07	.028	.002	.00015	.118	.0049	.00027
%RSD	.65649	.42971	.05431	.23108	.01241	.13585	.20159	.16583	3.2574
#1	.10463	.36905	133.10	12.051	15.230	.11284	58.518	2.9754	.00800
#2	.10561	.36681	133.00	12.091	15.232	.11306	58.352	2.9684	.00838
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	**5.9626**	**.11887**	**3.1469**	F **15.56**	**.00199**	**.00908**	**24.685**	**.16028**	**1.3954**
Stddev	.0182	.00022	.0051	.00	.00145	.00429	.057	.00059	.0007
%RSD	.30543	.18408	.16346	.0272	72.772	47.188	.22922	.36552	.04825
#1	5.9497	.11872	3.1433	15.56	.00302	.00605	24.725	.15987	1.3950
#2	5.9755	.11903	3.1505	15.56	.00097	.01211	24.645	.16070	1.3959
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				9.000					
Low Limit				-.2000					

Elem	Ti3349	Tl1908	V_2924	Zn2062
Line	334.904 {101}	190.856 {477}	292.402 {115}	206.200 {163}
IS Ref	(Y_3600)	(In2306)	(Y_3600)	(Y_3600)
Units	ppm	ppm	ppm	ppm
Avg	**1.6445**	**-.00512**	**.12652**	**2.5749**
Stddev	.0031	.00382	.00003	.0117
%RSD	.18750	74.670	.02258	.45324
#1	1.6423	-.00241	.12654	2.5832
#2	1.6467	-.00782	.12650	2.5667
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				
Low Limit				

Int. Std.	In2306	Y_2243	Y_3600	Y_3774
Line	230.606 {446}	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**2936.9**	**4864.7**	**66387.**	**14287.**
Stddev	.0	5.3	170.	40.
%RSD	.00071	.10938	.25552	.27907
#1	2936.9	4860.9	66267.	14258.
#2	2937.0	4868.4	66507.	14315.

Sample Name: 480-55676-B-4-A Acquired: 3/14/2014 4:47:50 Type: Unk
Method: ICAP1 New RLs at low cal point Mode: CONC Corr. Factor: 1.000000
User: AMH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	B_2089	Ba4554-2	Be3130	Ca3179	Cd2288	Co2286
Line	328.068 {103}	308.215 {109}	189.042 {478}	208.959 {461}	455.403 { 74}2	313.042 {108}	317.933 {106}	228.802 {447}	228.616 {447}
IS Ref	(Y_3600)	(Y_3774)	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3774)	(Y_3774)	(Y_2243)	(In2306)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00059**	**16.578**	**.22261**	**.08583**	**.35673**	**.00258**	**209.29**	**.00092**	**.10946**
Stddev	.00007	.043	.00352	.00018	.00022	.00005	.78	.00002	.00031
%RSD	12.166	.25797	1.5811	.20692	.06137	2.0150	.37310	2.6746	.28229
#1	-.00054	16.608	.22012	.08595	.35657	.00254	208.74	.00091	.10924
#2	-.00064	16.548	.22510	.08570	.35688	.00261	209.84	.00094	.10968
Check ?	Chk 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	**.05207**	**1.0095**	**337.75**	**4.2450**	**5.0392**	**.03919**	**7.1596**	**1.0175**	**.01264**
Stddev	.00059	.0005	.45	.0010	.0181	.00020	.0206	.0036	.00007
%RSD	1.1391	.04571	.13195	.02415	.35879	.50538	.28830	.35279	.54398
#1	.05165	1.0092	337.44	4.2442	5.0520	.03905	7.1742	1.0201	.01259
#2	.05249	1.0098	338.07	4.2457	5.0264	.03933	7.1450	1.0150	.01269
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	**3.2178**	**.12345**	**5.4736**	F **9.787**	**.06205**	**.00933**	**13.711**	F **8.6768**	**.76737**
Stddev	.0035	.00138	.0144	.013	.00010	.00009	.003	.0210	.00011
%RSD	.10833	1.1170	.26353	.1333	.16439	.99793	.02207	.24178	.01410
#1	3.2153	.12248	5.4634	9.778	.06198	.00940	13.709	8.6620	.76745
#2	3.2202	.12443	5.4838	9.796	.06212	.00927	13.713	8.6916	.76729
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass
High Limit				9.000				4.5000	
Low Limit				-.2000				-.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	**1.1608**	**-.00436**	**.12113**	**.40308**
Stddev	.0012	.00227	.00036	.00380
%RSD	.10415	52.083	.29773	.94202
#1	1.1617	-.00275	.12138	.40576
#2	1.1600	-.00597	.12087	.40039
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				
Low Limit				

Int. Std.	In2306	Y_2243	Y_3600	Y_3774
Line	230.606 {446}	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**3072.7**	**4776.1**	**65388.**	**13995.**
Stddev	1.8	4.1	108.	70.
%RSD	.05825	.08520	.16584	.49812
#1	3071.4	4773.2	65311.	13945.
#2	3073.9	4779.0	65465.	14044.

Sample Name: 480-55676-A-6-E Acquired: 3/14/2014 4:50:42 Type: Unk
Method: ICAP1 New RLs at low cal point Mode: CONC Corr. Factor: 1.000000
User: AMH 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	**.00021**	**100.81**	**.05781**	**.06558**	**1.2469**	**.00481**	**181.76**	**.00277**	**.06429**
Stddev	.00059	.48	.00112	.00062	.0018	.00004	.69	.00018	.00012
%RSD	281.20	.47232	1.9389	.94037	.14392	.79154	.38162	6.5511	.19393
#1	.00063	101.15	.05860	.06602	1.2482	.00479	182.25	.00290	.06421
#2	-.00021	100.47	.05702	.06514	1.2456	.00484	181.27	.00264	.06438
Check ?	Chk 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	**.13096**	**.27271**	**126.50**	**12.055**	**13.845**	**.17385**	**72.408**	**3.0627**	**.00677**
Stddev	.00025	.00069	.53	.063	.003	.00166	.090	.0003	.00048
%RSD	.19232	.25484	.41543	.52322	.02363	.95242	.12492	.00976	7.0672
#1	.13079	.27320	126.87	12.099	13.843	.17502	72.472	3.0629	.00643
#2	.13114	.27222	126.13	12.010	13.847	.17268	72.344	3.0624	.00710
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	**2.2272**	**.14418**	**2.2313**	**1.602**	**-.00142**	**.00475**	**24.385**	**.11118**	**.33655**
Stddev	.0182	.00053	.0010	.001	.00053	.00189	.044	.00001	.00194
%RSD	.81725	.36735	.04331	.0692	37.382	39.833	.17888	.00786	.57673
#1	2.2401	.14381	2.2306	1.601	-.00105	.00342	24.355	.11118	.33792
#2	2.2143	.14455	2.2320	1.603	-.00180	.00609	24.416	.11119	.33517
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	**1.9439**	**-.00206**	**.20278**	**1.1127**
Stddev	.0046	.00043	.00142	.0050
%RSD	.23580	20.940	.69861	.44653
#1	1.9471	-.00237	.20378	1.1162
#2	1.9406	-.00176	.20178	1.1092
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				
Low Limit				

Int. Std.	In2306	Y_2243	Y_3600	Y_3774
Line	230.606 {446}	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**3003.6**	**5042.7**	**69219.**	**14813.**
Stddev	6.8	15.8	121.	98.
%RSD	.22560	.31373	.17530	.66376
#1	2998.8	5031.5	69133.	14743.
#2	3008.4	5053.9	69304.	14882.

Sample Name: 480-55676-A-7-I Acquired: 3/14/2014 4:53:35 Type: Unk
Method: ICAP1 New RLs at low cal point Mode: CONC Corr. Factor: 1.000000
User: AMH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	B_2089	Ba4554	Be3130	Ca3179	Cd2288	Co2286
Line	328.068 {103}	308.215 {109}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	317.933 {106}	228.802 {447}	228.616 {447}
IS Ref	(Y_3600)	(Y_3774)	(Y_2243)	(Y_2243)	(Y_3774)	(Y_3774)	(Y_3774)	(Y_2243)	(In2306)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00089**	**89.384**	**.06301**	**.08615**	**1.3617**	**.00467**	**284.91**	**.00241**	**.06134**
Stddev	.00023	.297	.00422	.00019	.0000	.00010	4.28	.00014	.00046
%RSD	26.114	.33213	6.6919	.21750	.00210	2.0436	1.5015	5.9649	.75700
#1	-.00106	89.175	.06599	.08628	1.3617	.00460	281.88	.00251	.06101
#2	-.00073	89.594	.06003	.08602	1.3617	.00474	287.93	.00231	.06167
Check ?	Chk 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	**.13404**	**.43348**	**133.29**	**15.881**	**19.113**	**.17299**	**91.182**	**2.3270**	**.00477**
Stddev	.00091	.00176	1.28	.022	.354	.00012	.084	.0020	.00017
%RSD	.67610	.40583	.96053	.13840	1.8537	.07141	.09244	.08454	3.4630
#1	.13340	.43224	132.38	15.897	18.862	.17290	91.122	2.3256	.00466
#2	.13468	.43473	134.19	15.866	19.363	.17307	91.242	2.3284	.00489
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	**3.0430**	**.14765**	**1.8457**	**2.268**	**-.00057**	**.00625**	**30.688**	**.09191**	**.61225**
Stddev	.0060	.00122	.0014	.002	.00167	.00182	.133	.00041	.00151
%RSD	.19692	.82825	.07363	.1017	294.75	29.085	.43286	.44530	.24595
#1	3.0472	.14851	1.8448	2.266	.00061	.00497	30.594	.09220	.61118
#2	3.0388	.14678	1.8467	2.270	-.00175	.00754	30.782	.09162	.61331
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	**2.0828**	**-.00448**	**.18298**	**1.2338**
Stddev	.0028	.00273	.00069	.0135
%RSD	.13570	60.969	.37708	1.0902
#1	2.0809	-.00255	.18250	1.2242
#2	2.0848	-.00642	.18347	1.2433
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				
Low Limit				

Int. Std.	In2306	Y_2243	Y_3600	Y_3774
Line	230.606 {446}	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**2915.7**	**4923.5**	**67058.**	**14632.**
Stddev	3.2	1.9	143.	143.
%RSD	.10998	.03890	.21380	.97530
#1	2918.0	4924.8	67160.	14732.
#2	2913.5	4922.1	66957.	14531.

Sample Name: CCV Acquired: 3/14/2014 4:56:36 Type: QC
Method: ICAP1 New RLs at low cal point Mode: CONC Corr. Factor: 1.000000
User: AMH 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	**.51903**	**26.069**	**.53709**	**.52060**	**.54848**	**.51349**	**25.470**	**.53214**	**.52535**	**.51852**	**.53367**	**24.313**
Stddev	.00060	.068	.00027	.00090	.00083	.00030	.109	.00010	.00106	.00281	.00139	.014
%RSD	.11549	.26104	.05031	.17231	.15190	.05847	.42843	.01830	.20220	.54107	.26033	.05635
#1	.51945	26.117	.53728	.51996	.54907	.51370	25.547	.53221	.52460	.51653	.53269	24.322
#2	.51860	26.021	.53690	.52123	.54790	.51328	25.393	.53207	.52610	.52050	.53465	24.303
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	F **27.925**	**27.323**	F **.55504**	**26.219**	**.52829**	**.53660**	F **27.785**	**.52281**	**.52382**	**26.29**	**.53787**	**.53163**
Stddev	.110	.286	.00281	.009	.00003	.00128	.142	.00125	.00100	.01	.00264	.00448
%RSD	.39510	1.0478	.50562	.03393	.00626	.23939	.51133	.23882	.19079	.0216	.49160	.84306
#1	28.003	27.526	.55702	26.213	.52832	.53751	27.885	.52370	.52312	26.29	.53600	.53480
#2	27.847	27.121	.55305	26.225	.52827	.53569	27.684	.52193	.52453	26.30	.53974	.52846
Check ?	Chk Fail	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value	25.000		.50000				25.000					
Range	10.000%		10.000%				10.000%					

Elem	Si2881	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**25.269**	**.53878**	**.54020**	**.53981**	**.52364**	**.52869**	**.52349**
Stddev	.046	.00203	.00165	.00151	.00003	.00022	.00070
%RSD	.18261	.37669	.30553	.27981	.00538	.04176	.13387
#1	25.302	.53734	.54137	.54087	.52366	.52884	.52299
#2	25.237	.54021	.53904	.53874	.52362	.52853	.52398
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	**3294.6**	**5020.9**	**68923.**	**14230.**
Stddev	5.3	4.0	32.	49.
%RSD	.16110	.07907	.04703	.34175
#1	3298.4	5023.7	68901.	14196.
#2	3290.9	5018.1	68946.	14265.

Sample Name: CCB Acquired: 3/14/2014 4:59:22 Type: QC
Method: ICAP1 New RLs at low cal point Mode: CONC Corr. Factor: 1.000000
User: AMH 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	**.00027**	**.01160**	**.00100**	**.00139**	**.00013**	**.00002**	**.00839**	**.00004**	**.00004**	**.00008**	**.00063**	**.00447**
Stddev	.00057	.01007	.00241	.00010	.00001	.00000	.00197	.00005	.00002	.00013	.00006	.00015
%RSD	214.52	86.799	240.43	7.3076	6.3260	11.025	23.424	134.99	51.633	159.80	9.0818	3.2569
#1	.00067	.01872	-.00070	.00147	.00012	.00002	.00700	.00008	.00003	-.00001	.00067	.00457
#2	-.00014	.00448	.00270	.00132	.00013	.00002	.00978	.00000	.00006	.00017	.00059	.00436
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	**.03390**	**.00182**	**.00111**	**.00709**	**.00014**	**.00011**	**.01786**	**-.00045**	**.00154**	F **.0046**	**.00012**	**.00034**
Stddev	.00986	.00001	.00001	.00030	.00001	.00011	.00041	.00029	.00112	.0029	.00031	.00024
%RSD	29.092	.48263	.91065	4.2673	5.8254	103.48	2.2811	63.513	72.399	62.02	263.14	71.283
#1	.02693	.00183	.00111	.00687	.00013	.00003	.01757	-.00065	.00233	.0066	-.00010	.00017
#2	.04088	.00182	.00112	.00730	.00014	.00019	.01815	-.00025	.00075	.0026	.00034	.00050
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
High Limit										.0030		
Low Limit										-.0040		

Elem	Si2881	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.02722**	**-.00010**	**-.00011**	**.00047**	**.00117**	**.00026**	**-.00022**
Stddev	.01041	.00050	.00000	.00010	.00075	.00011	.00011
%RSD	38.265	479.26	.13907	21.900	64.187	42.788	51.361
#1	.01985	-.00046	-.00011	.00040	.00064	.00033	-.00014
#2	.03458	.00025	-.00011	.00055	.00171	.00018	-.00029
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	**3573.2**	**5123.1**	**70510.**	**14182.**
Stddev	2.4	5.2	392.	61.
%RSD	.06621	.10090	.55562	.43275
#1	3574.9	5126.8	70233.	14139.
#2	3571.5	5119.5	70787.	14225.

Sample Name: CCVL Acquired: 3/14/2014 5:02:15 Type: QC
Method: ICAP1 New RLs at low cal point Mode: CONC Corr. Factor: 1.000000
User: AMH 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	**.00675**	**.20593**	**.01544**	**.02113**	**.00238**	**.00210**	**.50488**	**.00203**	**.00408**	**.00384**	**.01115**	**.04968**
Stddev	.00038	.00905	.00008	.00007	.00001	.00006	.00183	.00004	.00001	.00032	.00012	.00033
%RSD	5.5697	4.3929	.52863	.33422	.50410	2.8574	.36226	1.9935	.15404	8.3398	1.0803	.66509
#1	.00649	.19953	.01538	.02118	.00237	.00205	.50618	.00200	.00408	.00362	.01106	.04945
#2	.00702	.21233	.01550	.02108	.00238	.00214	.50359	.00206	.00409	.00407	.01123	.04992
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	**.56568**	**.44221**	**.03165**	**.21185**	**.00353**	**.01020**	**1.0949**	**.01099**	**.01143**	**.2040**	**.02045**	**.02492**
Stddev	.01051	.00143	.00017	.00373	.00011	.00006	.0033	.00008	.00020	.0048	.00041	.00116
%RSD	1.8584	.32319	.53573	1.7630	2.9992	.56013	.30316	.70986	1.7357	2.349	1.9924	4.6439
#1	.57311	.44322	.03177	.20921	.00345	.01024	1.0972	.01105	.01157	.2006	.02016	.02410
#2	.55825	.44120	.03153	.21449	.00360	.01016	1.0925	.01094	.01129	.2074	.02074	.02574
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	**.50713**	**.01069**	**.00504**	**.00496**	**.02001**	**.00521**	**.00990**
Stddev	.00091	.00002	.00008	.00000	.00177	.00023	.00072
%RSD	.18017	.23292	1.5686	.05538	8.8431	4.4703	7.3225
#1	.50777	.01071	.00499	.00496	.01876	.00505	.00938
#2	.50648	.01067	.00510	.00496	.02126	.00538	.01041
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	**3630.9**	**5205.5**	**71823.**	**14204.**
Stddev	4.5	8.1	135.	30.
%RSD	.12322	.15543	.18856	.21450
#1	3634.1	5211.2	71918.	14182.
#2	3627.7	5199.8	71727.	14225.

Sample Name: 480-55676-B-8-F Acquired: 3/14/2014 5:05:06 Type: Unk
Method: ICAP1 New RLs at low cal point Mode: CONC Corr. Factor: 1.000000
User: AMH 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	**-.00016**	**38.807**	**.09113**	**.10336**	**.46917**	**.00297**	**357.11**	**.00080**	**.02553**
Stddev	.00066	.106	.00082	.00061	.00197	.00003	2.56	.00005	.00018
%RSD	405.47	.27376	.89628	.58773	.41984	1.0945	.71597	5.8571	.68586
#1	.00030	38.882	.09055	.10379	.47056	.00295	355.30	.00083	.02566
#2	-.00063	38.732	.09171	.10293	.46777	.00299	358.92	.00076	.02541
Check ?	Chk 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	**.04526**	**.07736**	**81.170**	**4.2577**	**5.4074**	**.05098**	**39.837**	**.93976**	**.00310**
Stddev	.00060	.00010	.524	.0187	.0016	.00017	.043	.00060	.00007
%RSD	1.3187	.12608	.64557	.43890	.02880	.34104	.10758	.06384	2.2378
#1	.04568	.07743	80.799	4.2444	5.4085	.05110	39.868	.94018	.00305
#2	.04484	.07729	81.540	4.2709	5.4063	.05086	39.807	.93934	.00315
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	**2.8094**	**.06422**	**.06589**	F **31.77**	**.00120**	**.00554**	**19.136**	**.03604**	**1.2139**
Stddev	.0122	.00006	.00088	.00	.00047	.00009	.135	.00059	.0042
%RSD	.43549	.08799	1.3329	.0068	39.141	1.6994	.70374	1.6495	.34838
#1	2.8181	.06418	.06651	31.77	.00087	.00561	19.231	.03562	1.2169
#2	2.8008	.06426	.06527	31.77	.00154	.00548	19.040	.03646	1.2109
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				9.000					
Low Limit				-.2000					

Elem	Ti3349	Tl1908	V_2924	Zn2062
Line	334.904 {101}	190.856 {477}	292.402 {115}	206.200 {163}
IS Ref	(Y_3600)	(In2306)	(Y_3600)	(Y_3600)
Units	ppm	ppm	ppm	ppm
Avg	**3.1641**	**.00078**	**.09192**	**.13828**
Stddev	.0052	.00093	.00035	.00014
%RSD	.16449	120.12	.37843	.10004
#1	3.1678	.00012	.09217	.13818
#2	3.1604	.00144	.09167	.13838
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				
Low Limit				

Int. Std.	In2306	Y_2243	Y_3600	Y_3774
Line	230.606 {446}	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**2922.7**	**4722.7**	**64932.**	**14074.**
Stddev	1.9	5.3	237.	36.
%RSD	.06615	.11295	.36507	.25732
#1	2921.4	4718.9	64764.	14100.
#2	2924.1	4726.5	65099.	14049.

Sample Name: 480-55676-B-9-A Acquired: 3/14/2014 5:07:55 Type: Unk
Method: ICAP1 New RLs at low cal point Mode: CONC Corr. Factor: 1.000000
User: AMH 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	**-.00290**	**94.304**	**.05773**	**.06311**	**.69512**	**.00440**	**328.52**	**.00237**	**.07738**
Stddev	.00088	.043	.00194	.00009	.00144	.00006	.44	.00005	.00027
%RSD	30.483	.04524	3.3558	.14302	.20659	1.4155	.13267	2.0196	.34804
#1	-.00227	94.274	.05636	.06317	.69411	.00436	328.21	.00233	.07757
#2	-.00352	94.334	.05910	.06305	.69614	.00444	328.83	.00240	.07719
Check ?	Chk 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	**.12328**	**.19508**	**148.21**	**16.030**	**20.137**	**.18637**	**133.91**	**4.1938**	**.00670**
Stddev	.00048	.00106	.02	.030	.015	.00042	.36	.0113	.00007
%RSD	.38880	.54204	.01635	.18649	.07266	.22708	.26722	.26872	1.0044
#1	.12362	.19583	148.23	16.009	20.147	.18607	134.16	4.2017	.00674
#2	.12295	.19433	148.19	16.051	20.126	.18667	133.66	4.1858	.00665
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	**1.4911**	**.18939**	**.36669**	**.6044**	**-.00319**	**.00239**	**23.269**	**.02011**	**.49172**
Stddev	.0044	.00037	.00042	.0155	.00078	.00403	.116	.00100	.00075
%RSD	.29423	.19525	.11443	2.572	24.623	168.75	.50053	4.9701	.15162
#1	1.4942	.18966	.36639	.5934	-.00374	.00524	23.351	.02082	.49119
#2	1.4880	.18913	.36699	.6154	-.00263	-.00046	23.186	.01941	.49225
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	**2.1819**	**-.00359**	**.17789**	**.67969**
Stddev	.0091	.00187	.00045	.00360
%RSD	.41675	52.251	.25212	.52999
#1	2.1884	-.00491	.17821	.68224
#2	2.1755	-.00226	.17758	.67714
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				
Low Limit				

Int. Std.	In2306	Y_2243	Y_3600	Y_3774
Line	230.606 {446}	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**2842.0**	**4850.2**	**67831.**	**14613.**
Stddev	1.3	.5	194.	55.
%RSD	.04435	.00958	.28578	.37520
#1	2841.1	4849.9	67694.	14574.
#2	2842.8	4850.5	67968.	14652.

Sample Name: 480-55676-A-10-M Acquired: 3/14/2014 5:10:54 Type: Unk
Method: ICAP1 New RLs at low cal point Mode: CONC Corr. Factor: 1.000000
User: AMH 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	kF **-.00630**	**105.77**	**.03279**	**.18634**	**.83418**	k **.02450**	F **1246.5**	k **.00160**	**.00638**
Stddev	.00051	.56	.00154	.00032	.00263	.00001	3.5	.00009	.00024
%RSD	8.1492	.53251	4.7095	.17079	.31482	.04525	.28315	5.7882	3.8229
#1	k -.00593	106.17	.03388	.18611	.83603	k .02451	1249.0	k .00166	.00620
#2	k -.00666	105.37	.03170	.18656	.83232	k .02449	1244.0	k .00153	.00655
Check ?	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass
High Limit	1.9800						900.00		
Low Limit	-.00300						-.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	**.12863**	k **.05924**	**43.330**	**7.5458**	**13.057**	**.12786**	**148.98**	**11.165**	**.00655**
Stddev	.00055	.00004	.365	.0444	.180	.00045	.35	.044	.00026
%RSD	.43014	.06557	.84283	.58787	1.3765	.35516	.23241	.39294	3.9467
#1	.12902	k .05921	43.588	7.5771	13.184	.12818	148.74	11.134	.00636
#2	.12824	k .05926	43.072	7.5144	12.930	.12754	149.23	11.196	.00673
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	**5.9380**	**.03791**	k **.31856**	F **18.56**	**-.00757**	**.01671**	**199.47**	**.03614**	**1.5862**
Stddev	.0323	.00062	.00009	.07	.00035	.00056	1.71	.00144	.0094
%RSD	.54334	1.6325	.02897	.3929	4.6820	3.3452	.85786	3.9881	.59404
#1	5.9608	.03748	k .31849	18.62	-.00782	.01631	200.68	.03716	1.5929
#2	5.9151	.03835	k .31862	18.51	-.00731	.01710	198.26	.03512	1.5795
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				9.000					
Low Limit				-.2000					

Elem	Ti3349	Tl1908	V_2924	Zn2062
Line	334.904 {101}	190.856 {477}	292.402 {115}	206.200 {163}
IS Ref	(Y_3600)	(In2306)	(Y_3600)	(Y_3600)
Units	ppm	ppm	ppm	ppm
Avg	**3.5009**	k **-.01546**	k **.08511**	**.15846**
Stddev	.0047	.00105	.00062	.00110
%RSD	.13524	6.8074	.72422	.69536
#1	3.4975	k -.01621	k .08468	.15924
#2	3.5042	k -.01472	k .08555	.15768
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				
Low Limit				

Int. Std.	In2306	Y_2243	Y_3600	Y_3774
Line	230.606 {446}	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**2423.9**	**5276.9**	**73126.**	**16616.**
Stddev	.9	7.9	210.	103.
%RSD	.03540	.14909	.28711	.61803
#1	2423.3	5282.5	73275.	16543.
#2	2424.5	5271.4	72978.	16688.

Sample Name: 55676-A-10-M SD@5 Acquired: 3/14/2014 5:13:59 Type: Unk
Method: ICAP1 New RLs at low cal point Mode: CONC Corr. Factor: 1.000000
User: AMH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	B_2089	Ba4554-2	Be3130	Ca3179	Cd2288	Co2286
Line	328.068 {103}	308.215 {109}	189.042 {478}	208.959 {461}	455.403 { 74}2	313.042 {108}	317.933 {106}	228.802 {447}	228.616 {447}
IS Ref	(Y_3600)	(Y_3774)	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3774)	(Y_3774)	(Y_2243)	(In2306)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00169**	**24.928**	**.00999**	**.04630**	**.19980**	**.00600**	**335.19**	**.00044**	**.00079**
Stddev	.00037	.040	.00064	.00018	.00051	.00007	.37	.00007	.00005
%RSD	22.018	.16240	6.3870	.38239	.25372	1.2459	.10966	16.592	5.9529
#1	-.00196	24.957	.00954	.04642	.20016	.00594	335.45	.00049	.00082
#2	-.00143	24.899	.01044	.04617	.19944	.00605	334.93	.00039	.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	**.03264**	**.01405**	**11.638**	**1.8332**	**2.3325**	**.03001**	**37.245**	**2.9849**	**.00155**
Stddev	.00022	.00022	.020	.0110	.0029	.00007	.038	.0024	.00009
%RSD	.68276	1.6010	.17048	.59771	.12225	.23500	.10168	.08059	6.0522
#1	.03248	.01421	11.652	1.8410	2.3345	.02996	37.271	2.9866	.00149
#2	.03279	.01389	11.624	1.8255	2.3305	.03006	37.218	2.9832	.00162
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	**1.3857**	**.00778**	**.06354**	**4.348**	**-.00099**	**.00562**	**48.692**	**.00699**	**.38478**
Stddev	.0055	.00003	.00008	.011	.00059	.00144	.209	.00073	.00043
%RSD	.39633	.40715	.13355	.2481	59.919	25.543	.42886	10.431	.11242
#1	1.3896	.00780	.06348	4.356	-.00141	.00664	48.839	.00647	.38447
#2	1.3818	.00775	.06360	4.341	-.00057	.00461	48.544	.00750	.38508
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	**.84654**	**-.00216**	**.02086**	**.04089**
Stddev	.00182	.00443	.00008	.00046
%RSD	.21545	205.11	.37524	1.1359
#1	.84525	.00097	.02080	.04122
#2	.84783	-.00529	.02091	.04057
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				
Low Limit				

Int. Std.	In2306	Y_2243	Y_3600	Y_3774
Line	230.606 {446}	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**2978.3**	**4897.6**	**69112.**	**14699.**
Stddev	1.5	17.9	26.	10.
%RSD	.05009	.36517	.03824	.06754
#1	2979.3	4910.2	69094.	14692.
#2	2977.2	4885.0	69131.	14706.

Sample Name: 480-55676-A-10-M PDS Acquired: 3/14/2014 5:16:49 Type: Unk
Method: ICAP1 New RLs at low cal point Mode: CONC Corr. Factor: 1.000000
User: AMH 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	**.08503**	**117.11**	**.38919**	**.53038**	**1.1383**	**.34870**	F **1177.2**	**.35261**	**.41559**
Stddev	.00120	.24	.00368	.00110	.0008	.00010	2.7	.00105	.00037
%RSD	1.4149	.20905	.94674	.20756	.07299	.02940	.23198	.29913	.08843
#1	.08588	116.94	.39179	.52961	1.1377	.34877	1179.1	.35336	.41533
#2	.08418	117.28	.38658	.53116	1.1389	.34863	1175.2	.35187	.41585
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass
High Limit							900.00		
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	**.40554**	**.39972**	**52.023**	**25.407**	**38.785**	**.49491**	**157.87**	**10.998**	**.31987**
Stddev	.00045	.00172	.178	.011	.226	.00132	.31	.021	.00007
%RSD	.11079	.43057	.34214	.04256	.58298	.26621	.19408	.18935	.02332
#1	.40586	.40094	52.149	25.399	38.944	.49398	158.09	11.013	.31993
#2	.40523	.39851	51.897	25.414	38.625	.49584	157.65	10.984	.31982
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	**23.605**	**.45137**	**.70326**	F **17.73**	**.32378**	**.35949**	**205.34**	**.43516**	**1.8176**
Stddev	.036	.00115	.00012	.07	.00148	.00103	.29	.00072	.0004
%RSD	.15129	.25396	.01719	.4232	.45588	.28646	.14246	.16642	.02288
#1	23.580	.45055	.70334	17.78	.32482	.35877	205.55	.43567	1.8173
#2	23.631	.45218	.70317	17.68	.32273	.36022	205.13	.43465	1.8179
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				9.000					
Low Limit				-.2000					

Elem	Ti3349	Tl1908	V_2924	Zn2062
Line	334.904 {101}	190.856 {477}	292.402 {115}	206.200 {163}
IS Ref	(Y_3600)	(In2306)	(Y_3600)	(Y_3600)
Units	ppm	ppm	ppm	ppm
Avg	**3.6116**	**.37246**	**.38238**	**.40601**
Stddev	.0062	.00416	.00019	.00049
%RSD	.17274	1.1161	.04958	.12073
#1	3.6160	.36952	.38251	.40566
#2	3.6072	.37540	.38224	.40636
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				
Low Limit				

Int. Std.	In2306	Y_2243	Y_3600	Y_3774
Line	230.606 {446}	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**2401.3**	**5168.8**	**73900.**	**16716.**
Stddev	.2	8.0	258.	43.
%RSD	.00801	.15386	.34863	.25458
#1	2401.2	5163.2	73718.	16686.
#2	2401.4	5174.4	74083.	16746.

Sample Name: 480-55676-A-10-N MS Acquired: 3/14/2014 5:19:47 Type: Unk
Method: ICAP1 New RLs at low cal point Mode: CONC Corr. Factor: 1.000000
User: AMH 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	**.08429**	**66.479**	**.37605**	**.43515**	**.75489**	**.32711**	F **1415.7**	**.34269**	**.34716**
Stddev	.00120	.126	.00264	.00080	.00019	.00092	.2	.00081	.00104
%RSD	1.4194	.18986	.70107	.18381	.02542	.28265	.01264	.23685	.30076
#1	.08514	66.569	.37418	.43459	.75475	.32646	1415.6	.34326	.34642
#2	.08344	66.390	.37791	.43572	.75503	.32777	1415.9	.34212	.34789
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass
High Limit							900.00		
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	**.38193**	**.38627**	**64.008**	**23.951**	**38.138**	**.42779**	**115.74**	**4.8835**	**.31089**
Stddev	.00141	.00030	.432	.036	.504	.00028	.07	.0026	.00088
%RSD	.36934	.07658	.67496	.14825	1.3224	.06506	.06003	.05388	.28435
#1	.38292	.38606	64.314	23.976	38.495	.42798	115.79	4.8817	.31151
#2	.38093	.38648	63.703	23.926	37.781	.42759	115.69	4.8854	.31026
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Na5895	Ni2316	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899	Sr4077
Line	589.592 { 57}	231.604 {446}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}2	189.989 {477}	407.771 { 83}
IS Ref	(Y_3774)	(In2306)	(In2306)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3774)	(In2306)	(Y_3774)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**19.134**	**.37609**	**.61206**	F **32.45**	**.28934**	**.35283**	**101.44**	**.34949**	**2.3517**
Stddev	.034	.00056	.00476	.05	.00239	.00124	.40	.00074	.0039
%RSD	.17768	.14793	.77842	.1523	.82701	.35177	.39614	.21218	.16766
#1	19.158	.37570	.60869	32.42	.29103	.35371	101.72	.35001	2.3545
#2	19.110	.37648	.61543	32.49	.28764	.35196	101.15	.34896	2.3489
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				9.000					
Low Limit				-.2000					

Elem	Ti3349	Tl1908	V_2924	Zn2062
Line	334.904 {101}	190.856 {477}	292.402 {115}	206.200 {163}
IS Ref	(Y_3600)	(In2306)	(Y_3600)	(Y_3600)
Units	ppm	ppm	ppm	ppm
Avg	**1.5619**	**.31488**	**.36268**	**.42201**
Stddev	.0021	.00045	.00031	.00085
%RSD	.13100	.14379	.08543	.20027
#1	1.5633	.31456	.36290	.42141
#2	1.5604	.31520	.36246	.42261
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				
Low Limit				

Int. Std.	In2306	Y_2243	Y_3600	Y_3774
Line	230.606 {446}	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**2447.6**	**4446.5**	**64288.**	**14381.**
Stddev	2.9	7.4	5.	16.
%RSD	.11661	.16689	.00785	.10996
#1	2445.6	4441.3	64284.	14370.
#2	2449.6	4451.8	64291.	14393.

Sample Name: 480-55676-A-10-O MSD Acquired: 3/14/2014 5:22:39 Type: Unk
Method: ICAP1 New RLs at low cal point Mode: CONC Corr. Factor: 1.000000
User: AMH 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	**.07242**	**68.968**	**.32926**	**.42064**	**.79332**	**.29203**	F **1181.0**	**.29966**	**.30749**
Stddev	.00022	.200	.00125	.00242	.00219	.00115	8.9	.00003	.00021
%RSD	.30081	.29019	.38042	.57640	.27659	.39291	.75089	.01128	.06677
#1	.07227	69.110	.32838	.41892	.79487	.29285	1187.3	.29964	.30764
#2	.07258	68.827	.33015	.42235	.79177	.29122	1174.8	.29969	.30735
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass
High Limit							900.00		
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	**.35775**	**.33272**	**53.944**	**21.384**	**33.149**	**.38625**	**111.56**	**6.5289**	**.27241**
Stddev	.00077	.00137	.533	.137	.187	.00091	.25	.0012	.00119
%RSD	.21454	.41062	.98818	.63869	.56526	.23529	.22091	.01769	.43779
#1	.35829	.33369	54.321	21.480	33.282	.38689	111.38	6.5280	.27157
#2	.35720	.33175	53.567	21.287	33.017	.38561	111.73	6.5297	.27326
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	**17.281**	**.33624**	**.55462**	F **27.22**	**.24618**	**.31028**	**87.151**	**.30469**	**1.4784**
Stddev	.097	.00022	.00253	.02	.00043	.00143	.628	.00055	.0050
%RSD	.56127	.06641	.45552	.0831	.17434	.46221	.72108	.17992	.33730
#1	17.350	.33608	.55641	27.23	.24649	.30927	87.595	.30430	1.4819
#2	17.212	.33640	.55283	27.20	.24588	.31129	86.706	.30507	1.4748
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				9.000					
Low Limit				-.2000					

Elem	Ti3349	Tl1908	V_2924	Zn2062
Line	334.904 {101}	190.856 {477}	292.402 {115}	206.200 {163}
IS Ref	(Y_3600)	(In2306)	(Y_3600)	(Y_3600)
Units	ppm	ppm	ppm	ppm
Avg	**1.7972**	**.28745**	**.32340**	**.40334**
Stddev	.0003	.00036	.00034	.00119
%RSD	.01438	.12559	.10527	.29508
#1	1.7974	.28771	.32316	.40418
#2	1.7970	.28720	.32365	.40250
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				
Low Limit				

Int. Std.	In2306	Y_2243	Y_3600	Y_3774
Line	230.606 {446}	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**2523.8**	**4550.5**	**66634.**	**14604.**
Stddev	.8	3.8	5.	109.
%RSD	.03155	.08333	.00713	.74545
#1	2524.4	4553.2	66630.	14527.
#2	2523.3	4547.8	66637.	14681.

Sample Name: 480-55676-B-11-A Acquired: 3/14/2014 5:25:38 Type: Unk
Method: ICAP1 New RLs at low cal point Mode: CONC Corr. Factor: 1.000000
User: AMH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	B_2089	Ba4554-2	Be3130	Ca3179	Cd2288	Co2286
Line	328.068 {103}	308.215 {109}	189.042 {478}	208.959 {461}	455.403 { 74}2	313.042 {108}	317.933 {106}	228.802 {447}	228.616 {447}
IS Ref	(Y_3600)	(Y_3774)	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3774)	(Y_3774)	(Y_2243)	(In2306)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F **-.00347**	**31.343**	**.04090**	**.07863**	**.34227**	**.00405**	F **1248.5**	**.00349**	**.01589**
Stddev	.00061	.004	.00319	.00002	.00031	.00003	7.4	.00012	.00007
%RSD	17.502	.01306	7.8009	.02393	.09159	.67490	.59032	3.5315	.41937
#1	-.00304	31.346	.04316	.07864	.34204	.00403	1253.7	.00358	.01594
#2	-.00390	31.340	.03865	.07862	.34249	.00407	1243.3	.00341	.01584
Check ?	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass
High Limit	1.9800						900.00		
Low Limit	-.00300						-.50000		

Elem	Cr2677	Cu3247	Fe2714	K_7664	K_7664-2	Li6707	Mg2790	Mn2576-2	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}2	202.030 {467}
IS Ref	(Y_3600)	(Y_3600)	(Y_3774)	(Y_3774)	(Y_3774)	(Y_3774)	(Y_3600)	(Y_3600)	(Y_2243)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.95427**	**.12113**	**138.65**	**5.6377**	**9.6803**	**.05592**	**146.24**	**17.265**	**.03000**
Stddev	.00033	.00061	1.42	.0042	.0664	.00057	.08	.103	.00015
%RSD	.03473	.50465	1.0245	.07529	.68545	1.0279	.05587	.59376	.50274
#1	.95450	.12070	139.65	5.6407	9.7272	.05633	146.30	17.193	.02989
#2	.95403	.12156	137.64	5.6347	9.6333	.05551	146.18	17.338	.03011
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	**2.6934**	**.09609**	**.81937**	F **9.097**	**-.00464**	**.01634**	**37.467**	**.02825**	**1.2287**
Stddev	.0222	.00005	.00237	.052	.00190	.00036	.303	.00166	.0009
%RSD	.82282	.05134	.28876	.5707	41.064	2.1790	.80915	5.8609	.07163
#1	2.7090	.09613	.82104	9.134	-.00598	.01609	37.681	.02942	1.2293
#2	2.6777	.09606	.81770	9.061	-.00329	.01660	37.252	.02708	1.2281
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				9.000					
Low Limit				-.2000					

Elem	Ti3349	Tl1908	V_2924	Zn2062
Line	334.904 {101}	190.856 {477}	292.402 {115}	206.200 {163}
IS Ref	(Y_3600)	(In2306)	(Y_3600)	(Y_3600)
Units	ppm	ppm	ppm	ppm
Avg	**2.7773**	**-.00621**	**.30944**	**.38020**
Stddev	.0019	.00317	.00149	.00267
%RSD	.06815	51.066	.48162	.70226
#1	2.7786	-.00397	.30838	.37831
#2	2.7760	-.00845	.31049	.38208
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				
Low Limit				

Int. Std.	In2306	Y_2243	Y_3600	Y_3774
Line	230.606 {446}	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**2495.1**	**4598.1**	**66745.**	**14910.**
Stddev	3.0	7.8	152.	86.
%RSD	.11824	.17002	.22771	.57846
#1	2493.0	4592.5	66637.	14849.
#2	2497.1	4603.6	66852.	14971.

Sample Name: 480-55676-B-12-A Acquired: 3/14/2014 5:28:37 Type: Unk
Method: ICAP1 New RLs at low cal point Mode: CONC Corr. Factor: 1.000000
User: AMH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	B_2089	Ba4554-2	Be3130	Ca3179	Cd2288	Co2286
Line	328.068 {103}	308.215 {109}	189.042 {478}	208.959 {461}	455.403 { 74}2	313.042 {108}	317.933 {106}	228.802 {447}	228.616 {447}
IS Ref	(Y_3600)	(Y_3774)	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3774)	(Y_3774)	(Y_2243)	(In2306)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F **-.00452**	**24.654**	**.05006**	**.08494**	**.25604**	**.00396**	F **1531.0**	**.00356**	**.01836**
Stddev	.00057	.018	.00224	.00008	.00053	.00006	.2	.00021	.00034
%RSD	12.646	.07207	4.4768	.09875	.20658	1.5906	.01218	5.8319	1.8597
#1	-.00412	24.641	.04847	.08500	.25641	.00400	1531.1	.00341	.01860
#2	-.00493	24.667	.05164	.08488	.25566	.00391	1530.8	.00370	.01812
Check ?	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass
High Limit	1.9800						900.00		
Low Limit	-.00300						-.50000		

Elem	Cr2677	Cu3247	Fe2714	K_7664	K_7664-2	Li6707	Mg2790	Mn2576-2	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}2	202.030 {467}
IS Ref	(Y_3600)	(Y_3600)	(Y_3774)	(Y_3774)	(Y_3774)	(Y_3774)	(Y_3600)	(Y_3600)	(Y_2243)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.3278**	**.16573**	**280.78**	**3.4887**	**6.4399**	**.03929**	**50.815**	**25.899**	**.05682**
Stddev	.0032	.00022	.08	.0084	.0006	.00006	.030	.027	.00043
%RSD	.23779	.13009	.02760	.24049	.00924	.15706	.05948	.10509	.76024
#1	1.3255	.16558	280.73	3.4828	6.4394	.03924	50.794	25.880	.05713
#2	1.3300	.16588	280.84	3.4946	6.4403	.03933	50.837	25.918	.05652
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	**2.1132**	**.11632**	**1.9946**	**7.390**	**-.00989**	**.02302**	**44.021**	**.04109**	**1.1614**
Stddev	.0009	.00020	.0012	.001	.00119	.00538	.195	.00020	.0006
%RSD	.04407	.17552	.05788	.0068	12.074	23.390	.44391	.49207	.05278
#1	2.1125	.11647	1.9938	7.389	-.01073	.02682	44.160	.04123	1.1610
#2	2.1138	.11618	1.9954	7.390	-.00905	.01921	43.883	.04095	1.1619
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Ti3349	Tl1908	V_2924	Zn2062
Line	334.904 {101}	190.856 {477}	292.402 {115}	206.200 {163}
IS Ref	(Y_3600)	(In2306)	(Y_3600)	(Y_3600)
Units	ppm	ppm	ppm	ppm
Avg	**3.1147**	**-.01264**	**.39751**	**.27543**
Stddev	.0057	.00077	.00022	.00057
%RSD	.18343	6.0813	.05575	.20613
#1	3.1106	-.01319	.39736	.27503
#2	3.1187	-.01210	.39767	.27584
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				
Low Limit				

Int. Std.	In2306	Y_2243	Y_3600	Y_3774
Line	230.606 {446}	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**2450.9**	**4581.1**	**66027.**	**14807.**
Stddev	2.6	5.2	151.	44.
%RSD	.10646	.11411	.22871	.29962
#1	2449.0	4577.4	65920.	14776.
#2	2452.7	4584.8	66134.	14838.

Sample Name: CCV Acquired: 3/14/2014 5:31:38 Type: QC
Method: ICAP1 New RLs at low cal point Mode: CONC Corr. Factor: 1.000000
User: AMH 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	**.51090**	**25.510**	F **.55053**	**.53411**	**.54872**	**.52533**	**24.804**	**.53580**	**.52268**	**.50533**	**.52519**	**24.767**
Stddev	.00155	.076	.00218	.00034	.00213	.00003	.047	.00051	.00037	.00213	.00325	.012
%RSD	.30253	.29977	.39614	.06367	.38815	.00661	.18919	.09528	.07071	.42138	.61975	.04747
#1	.50980	25.564	.55207	.53387	.55023	.52530	24.771	.53616	.52242	.50383	.52288	24.759
#2	.51199	25.456	.54899	.53435	.54722	.52535	24.837	.53543	.52294	.50684	.52749	24.776
Check ?	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value			.50000									
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	**27.432**	**27.312**	F **.55530**	**25.795**	**.53091**	**.54098**	**26.568**	**.52989**	**.52769**	**25.34**	**.52559**	**.54111**
Stddev	.123	.162	.00315	.036	.00172	.00007	.072	.00045	.00065	.04	.00005	.00338
%RSD	.44928	.59447	.56709	.14092	.32328	.01343	.27277	.08410	.12322	.1772	.00935	.62419
#1	27.519	27.197	.55752	25.770	.52969	.54093	26.619	.53020	.52723	25.31	.52555	.54350
#2	27.345	27.426	.55307	25.821	.53212	.54103	26.516	.52957	.52815	25.37	.52562	.53872
Check ?	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	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	**25.352**	**.51748**	**.52667**	**.51245**	**.52512**	**.49709**	**.48631**
Stddev	.271	.00179	.00290	.00035	.00141	.00167	.00379
%RSD	1.0676	.34536	.55007	.06839	.26846	.33651	.77871
#1	25.161	.51621	.52872	.51270	.52412	.49591	.48363
#2	25.543	.51874	.52462	.51220	.52612	.49827	.48899
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	**3281.1**	**4916.5**	**70596.**	**14381.**
Stddev	2.6	5.2	464.	69.
%RSD	.07810	.10584	.65677	.47909
#1	3282.9	4912.9	70924.	14429.
#2	3279.3	4920.2	70268.	14332.

Sample Name: CCB Acquired: 3/14/2014 5:34:24 Type: QC
Method: ICAP1 New RLs at low cal point Mode: CONC Corr. Factor: 1.000000
User: AMH 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	**-.00039**	**.00025**	**-.00149**	**.00131**	**.00014**	**.00008**	**.09092**	**.00009**	**.00001**	**.00010**	**.00020**	**.01216**
Stddev	.00008	.01721	.00027	.00014	.00002	.00002	.00925	.00002	.00013	.00075	.00003	.00343
%RSD	21.482	6965.9	18.206	10.327	12.056	28.229	10.173	20.231	1464.2	783.86	13.074	28.165
#1	-.00033	-.01193	-.00130	.00121	.00013	.00007	.08438	.00007	-.00008	.00062	.00018	.00974
#2	-.00045	.01242	-.00168	.00140	.00016	.00010	.09746	.00010	.00010	-.00043	.00022	.01458
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	**.05171**	**.00179**	**.00064**	**.00747**	**.00064**	**.00010**	**.01735**	**-.00039**	**.00152**	F **.0085**	**.00011**	**.00169**
Stddev	.01658	.00045	.00027	.00173	.00010	.00003	.00095	.00012	.00034	.0072	.00126	.00079
%RSD	32.069	24.904	41.705	23.164	16.045	25.743	5.4842	31.560	22.182	85.09	1096.7	46.794
#1	.06343	.00211	.00082	.00870	.00071	.00008	.01668	-.00031	.00128	.0135	.00101	.00224
#2	.03998	.00148	.00045	.00625	.00056	.00012	.01802	-.00048	.00176	.0034	-.00078	.00113
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
High Limit										.0030		
Low Limit										-.0040		

Elem	Si2881	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.11611**	**.00000**	**.00005**	**.00003**	**.00149**	**.00037**	**-.00038**
Stddev	.01000	.00047	.00003	.00039	.00125	.00039	.00025
%RSD	8.6115	29158.	70.478	1210.3	84.002	107.02	65.677
#1	.10904	-.00033	.00007	.00031	.00238	.00009	-.00020
#2	.12318	.00033	.00002	-.00024	.00061	.00064	-.00056
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	**3585.5**	**5067.9**	**72454.**	**14291.**
Stddev	1.9	8.0	163.	129.
%RSD	.05424	.15849	.22490	.90095
#1	3584.2	5062.2	72570.	14382.
#2	3586.9	5073.6	72339.	14200.

Sample Name: CCVL Acquired: 3/14/2014 5:37:16 Type: QC
Method: ICAP1 New RLs at low cal point Mode: CONC Corr. Factor: 1.000000
User: AMH 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	**.00609**	**.20421**	**.01708**	**.02137**	**.00232**	**.00213**	**.51000**	**.00204**	**.00418**	**.00403**	**.01082**	**.05034**
Stddev	.00034	.01079	.00293	.00004	.00002	.00003	.00029	.00005	.00002	.00007	.00009	.00263
%RSD	5.5752	5.2854	17.143	.20361	.99475	1.2891	.05639	2.2490	.40823	1.7758	.83879	5.2310
#1	.00633	.21184	.01915	.02134	.00230	.00211	.50980	.00201	.00419	.00409	.01076	.05220
#2	.00585	.19658	.01501	.02140	.00233	.00215	.51021	.00207	.00417	.00398	.01089	.04847
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	**.56924**	**.44413**	**.03253**	**.21229**	**.00377**	**.01037**	**1.0799**	**.01091**	**.01016**	**.2007**	**.02015**	**.02612**
Stddev	.00960	.00032	.00016	.00027	.00010	.00032	.0001	.00036	.00050	.0009	.00022	.00175
%RSD	1.6860	.07107	.50017	.12866	2.5432	3.0733	.01079	3.3158	4.8951	.4602	1.0840	6.7042
#1	.57603	.44391	.03264	.21248	.00384	.01059	1.0800	.01117	.01051	.2013	.02030	.02736
#2	.56245	.44436	.03241	.21210	.00370	.01014	1.0798	.01065	.00981	.2000	.01999	.02488
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	**.54784**	**.01051**	**.00511**	**.00474**	**.02032**	**.00524**	**.00976**
Stddev	.02433	.00035	.00003	.00047	.00095	.00027	.00070
%RSD	4.4415	3.3128	.54799	9.8721	4.6991	5.1819	7.2229
#1	.53063	.01076	.00513	.00441	.01965	.00505	.00926
#2	.56504	.01026	.00509	.00507	.02100	.00543	.01026
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	**3635.8**	**5175.4**	**72773.**	**14346.**
Stddev	10.4	2.1	265.	15.
%RSD	.28644	.04083	.36454	.10611
#1	3643.1	5173.9	72961.	14357.
#2	3628.4	5176.9	72586.	14335.

Sample Name: 480-55676-A-13-A Acquired: 3/14/2014 5:40:07 Type: Unk
Method: ICAP1 New RLs at low cal point Mode: CONC Corr. Factor: 1.000000
User: AMH 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	**-.00245**	**93.179**	**.06282**	**.18828**	**1.1842**	**.01474**	**788.13**	**.00697**	**.02132**
Stddev	.00004	.310	.00201	.00025	.0008	.00000	2.01	.00017	.00004
%RSD	1.8200	.33301	3.1960	.13019	.06821	.00716	.25481	2.4886	.16872
#1	-.00242	93.399	.06424	.18846	1.1847	.01474	789.55	.00684	.02129
#2	-.00248	92.960	.06140	.18811	1.1836	.01474	786.71	.00709	.02134
Check ?	Chk 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	**.17604**	**.40694**	**92.486**	**7.9028**	**11.997**	**.11052**	**122.22**	**11.463**	**.00881**
Stddev	.00065	.00072	.156	.0357	.048	.00094	.08	.011	.00013
%RSD	.37094	.17623	.16823	.45122	.40388	.85384	.06682	.09260	1.4886
#1	.17558	.40643	92.376	7.8776	12.032	.11118	122.16	11.456	.00891
#2	.17650	.40745	92.596	7.9281	11.963	.10985	122.28	11.471	.00872
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	**2.9133**	**.10851**	**1.0194**	F **9.759**	**-.00259**	**.01189**	**156.56**	**.05079**	**1.1062**
Stddev	.0104	.00042	.0030	.010	.00061	.00452	.64	.00084	.0007
%RSD	.35706	.38996	.29221	.1008	23.692	38.064	.40680	1.6608	.06557
#1	2.9206	.10822	1.0173	9.752	-.00215	.01509	157.01	.05019	1.1067
#2	2.9059	.10881	1.0215	9.766	-.00302	.00869	156.11	.05139	1.1057
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				9.000					
Low Limit				-.2000					

Elem	Ti3349	Tl1908	V_2924	Zn2062
Line	334.904 {101}	190.856 {477}	292.402 {115}	206.200 {163}
IS Ref	(Y_3600)	(In2306)	(Y_3600)	(Y_3600)
Units	ppm	ppm	ppm	ppm
Avg	**3.5879**	**-.00592**	**.16543**	**1.0936**
Stddev	.0014	.00045	.00060	.0027
%RSD	.03770	7.6483	.36320	.24845
#1	3.5888	-.00560	.16501	1.0916
#2	3.5869	-.00624	.16586	1.0955
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				
Low Limit				

Int. Std.	In2306	Y_2243	Y_3600	Y_3774
Line	230.606 {446}	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**2648.6**	**4956.6**	**67865.**	**15179.**
Stddev	2.9	11.6	44.	33.
%RSD	.10921	.23469	.06512	.21611
#1	2646.6	4948.4	67834.	15155.
#2	2650.7	4964.8	67896.	15202.

Sample Name: 480-55676-A-16-A Acquired: 3/14/2014 5:43:10 Type: Unk
Method: ICAP1 New RLs at low cal point Mode: CONC Corr. Factor: 1.000000
User: AMH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	B_2089	Ba4554	Be3130	Ca3179	Cd2288	Co2286
Line	328.068 {103}	308.215 {109}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	317.933 {106}	228.802 {447}	228.616 {447}
IS Ref	(Y_3600)	(Y_3774)	(Y_2243)	(Y_2243)	(Y_3774)	(Y_3774)	(Y_3774)	(Y_2243)	(In2306)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00030**	**80.233**	**.06200**	**.06287**	**.85179**	**.00356**	**200.10**	**.00208**	**.06190**
Stddev	.00035	.204	.00145	.00017	.00199	.00008	1.09	.00007	.00019
%RSD	116.74	.25485	2.3435	.26418	.23390	2.1699	.54333	3.5179	.30596
#1	-.00005	80.377	.06303	.06276	.85320	.00351	199.33	.00213	.06204
#2	-.00054	80.088	.06097	.06299	.85038	.00362	200.87	.00202	.06177
Check ?	Chk 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	**.11283**	**.34491**	**120.43**	**12.902**	**15.033**	**.13220**	**76.791**	**2.2945**	**.00586**
Stddev	.00086	.00051	.15	.056	.125	.00024	.100	.0005	.00017
%RSD	.76079	.14688	.12238	.43437	.82822	.18295	.13063	.01984	2.8717
#1	.11223	.34455	120.53	12.941	15.121	.13237	76.862	2.2948	.00598
#2	.11344	.34527	120.33	12.862	14.945	.13203	76.720	2.2942	.00574
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	**2.8600**	**.12595**	**2.1082**	**2.093**	**.00220**	**.00809**	**25.114**	**.08861**	**.38209**
Stddev	.0082	.00111	.0031	.008	.00154	.00188	.015	.00055	.00212
%RSD	.28777	.88492	.14858	.3783	70.046	23.211	.05891	.61983	.55595
#1	2.8658	.12674	2.1104	2.099	.00111	.00942	25.124	.08823	.38359
#2	2.8541	.12517	2.1060	2.088	.00329	.00676	25.103	.08900	.38058
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	**1.6755**	**-.00070**	**.16560**	**.87949**
Stddev	.0042	.00072	.00084	.00401
%RSD	.25072	103.54	.50563	.45547
#1	1.6784	-.00121	.16619	.88232
#2	1.6725	-.00019	.16501	.87666
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				
Low Limit				

Int. Std.	In2306	Y_2243	Y_3600	Y_3774
Line	230.606 {446}	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**2989.0**	**4876.8**	**67109.**	**14240.**
Stddev	6.7	14.9	55.	21.
%RSD	.22452	.30603	.08245	.15073
#1	2984.3	4866.3	67070.	14224.
#2	2993.8	4887.4	67148.	14255.

Sample Name: 480-55676-B-17-B Acquired: 3/14/2014 5:46:09 Type: Unk
Method: ICAP1 New RLs at low cal point Mode: CONC Corr. Factor: 1.000000
User: AMH 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	**.00333**	**40.661**	**.09378**	**.06329**	**.68711**	**.00272**	**369.80**	**.00171**	**.10428**
Stddev	.00004	.145	.00091	.00017	.00129	.00010	1.75	.00008	.00021
%RSD	1.1019	.35672	.97467	.26438	.18807	3.5233	.47336	4.8384	.20203
#1	.00330	40.558	.09313	.06317	.68620	.00266	368.56	.00165	.10413
#2	.00335	40.763	.09442	.06341	.68802	.00279	371.04	.00177	.10443
Check ?	Chk 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	**.06898**	**.36370**	**76.292**	**8.1254**	**10.145**	**.09121**	**51.747**	**1.5498**	**.00986**
Stddev	.00060	.00232	.334	.0169	.029	.00023	.199	.0048	.00015
%RSD	.87470	.63804	.43788	.20784	.29055	.24794	.38381	.31216	1.4803
#1	.06856	.36206	76.056	8.1135	10.166	.09105	51.606	1.5463	.00996
#2	.06941	.36534	76.528	8.1373	10.124	.09137	51.887	1.5532	.00976
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	**2.7247**	**.09140**	**1.3683**	F **10.23**	**.00249**	**.00597**	**21.399**	**.06989**	**.98817**
Stddev	.0204	.00047	.0008	.02	.00022	.00370	.143	.00068	.00217
%RSD	.74905	.51011	.05749	.1688	8.6950	61.989	.66799	.97666	.22003
#1	2.7103	.09107	1.3678	10.24	.00264	.00858	21.298	.06941	.98664
#2	2.7391	.09173	1.3689	10.22	.00233	.00335	21.500	.07038	.98971
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				9.000					
Low Limit				-.2000					

Elem	Ti3349	Tl1908	V_2924	Zn2062
Line	334.904 {101}	190.856 {477}	292.402 {115}	206.200 {163}
IS Ref	(Y_3600)	(In2306)	(Y_3600)	(Y_3600)
Units	ppm	ppm	ppm	ppm
Avg	**1.4240**	**-.00062**	**.10028**	**.81443**
Stddev	.0094	.00082	.00058	.00644
%RSD	.66318	132.67	.57805	.79053
#1	1.4173	-.00004	.09987	.80988
#2	1.4307	-.00120	.10069	.81898
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				
Low Limit				

Int. Std.	In2306	Y_2243	Y_3600	Y_3774
Line	230.606 {446}	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**2925.0**	**4766.5**	**65779.**	**14086.**
Stddev	2.1	2.9	333.	2.
%RSD	.07057	.05987	.50601	.01222
#1	2923.5	4764.5	66014.	14088.
#2	2926.4	4768.5	65544.	14085.

Sample Name: 480-55676-A-18-A Acquired: 3/14/2014 5:49:08 Type: Unk
Method: ICAP1 New RLs at low cal point Mode: CONC Corr. Factor: 1.000000
User: AMH 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	**.00056**	**5.4109**	**.06564**	**.02187**	**1.8589**	**.00101**	**18.311**	**.00459**	**.00938**
Stddev	.00057	.0046	.00104	.00006	.0040	.00002	.004	.00003	.00000
%RSD	100.74	.08471	1.5818	.25906	.21444	2.1543	.02149	.62287	.02625
#1	.00016	5.4077	.06637	.02183	1.8617	.00103	18.314	.00461	.00938
#2	.00097	5.4142	.06490	.02191	1.8561	.00100	18.309	.00457	.00938
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Cr2677	Cu3247	Fe2599	K_7664	K_7664-2	Li6707	Mg2790	Mn2576	Mo2020
Line	267.716 {126}	324.754 {104}	259.940 {130}	766.490 { 44}	766.490 { 44}2	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}
IS Ref	(Y_3600)	(Y_3600)	(Y_3774)	(Y_3774)	(Y_3774)	(Y_3774)	(Y_3600)	(Y_3600)	(Y_2243)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.01927**	**.64442**	**37.851**	**2.5206**	**2.1852**	**.02904**	**2.1030**	**.11332**	**.00474**
Stddev	.00036	.00057	.031	.0121	.0080	.00098	.0034	.00029	.00012
%RSD	1.8616	.08824	.08213	.48118	.36537	3.3626	.16114	.25254	2.4314
#1	.01952	.64402	37.873	2.5120	2.1909	.02835	2.1054	.11352	.00466
#2	.01901	.64483	37.829	2.5291	2.1796	.02973	2.1006	.11312	.00482
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	**1.7952**	**.03077**	**1.7962**	F **10.58**	**.00556**	**.00352**	**4.2524**	**.04653**	**.29496**
Stddev	.0017	.00028	.0004	.01	.00207	.00148	.0152	.00054	.00107
%RSD	.09589	.91858	.02177	.1087	37.290	41.926	.35752	1.1645	.36130
#1	1.7940	.03097	1.7965	10.57	.00409	.00456	4.2416	.04691	.29571
#2	1.7964	.03057	1.7959	10.58	.00702	.00248	4.2631	.04615	.29420
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				9.000					
Low Limit				-.2000					

Elem	Ti3349	Tl1908	V_2924	Zn2062
Line	334.904 {101}	190.856 {477}	292.402 {115}	206.200 {163}
IS Ref	(Y_3600)	(In2306)	(Y_3600)	(Y_3600)
Units	ppm	ppm	ppm	ppm
Avg	**.98884**	**.00189**	**.03242**	**1.1457**
Stddev	.00141	.00095	.00015	.0092
%RSD	.14277	50.429	.46024	.80655
#1	.98784	.00256	.03253	1.1523
#2	.98984	.00121	.03232	1.1392
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				
Low Limit				

Int. Std.	In2306	Y_2243	Y_3600	Y_3774
Line	230.606 {446}	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**3437.1**	**5025.7**	**69809.**	**14112.**
Stddev	1.2	4.0	320.	29.
%RSD	.03450	.08043	.45830	.20651
#1	3436.2	5022.9	69583.	14092.
#2	3437.9	5028.6	70035.	14133.

Sample Name: RB Acquired: 3/14/2014 5:51:57 Type: Unk
Method: ICAP1 New RLs at low cal point Mode: CONC Corr. Factor: 1.000000
User: AMH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	B_2089	Ba4554-2	Be3130	Ca3179	Cd2288	Co2286
Line	328.068 {103}	308.215 {109}	189.042 {478}	208.959 {461}	455.403 { 74}2	313.042 {108}	317.933 {106}	228.802 {447}	228.616 {447}
IS Ref	(Y_3600)	(Y_3774)	(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**	**.00132**	**.00128**	**.00040**	**.00039**	**.00001**	**.00823**	**-.00004**	**.00005**
Stddev	.00020	.00370	.00008	.00014	.00002	.00003	.00083	.00002	.00001
%RSD	22.940	279.88	6.1593	34.013	4.0200	217.64	10.128	45.888	22.760
#1	.00071	-.00130	.00123	.00030	.00037	.00003	.00882	-.00005	.00005
#2	.00099	.00394	.00134	.00049	.00040	-.00001	.00764	-.00003	.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	**-.00025**	**.00071**	**.00068**	**.06240**	**-.00030**	**.00049**	**.00500**	**.00008**	**-.00011**
Stddev	.00011	.00003	.00156	.03719	.00009	.00095	.00252	.00001	.00033
%RSD	43.064	4.4856	229.03	59.592	30.876	193.22	50.456	9.6425	293.93
#1	-.00033	.00073	-.00042	.08870	-.00037	.00116	.00321	.00009	-.00034
#2	-.00018	.00069	.00178	.03611	-.00024	-.00018	.00678	.00008	.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	**.01422**	**-.00019**	**.00097**	**.0080**	**.00069**	**.00078**	**.07521**	**.00060**	**-.00006**
Stddev	.00191	.00010	.00008	.0019	.00253	.00055	.02863	.00020	.00003
%RSD	13.422	54.365	8.2274	23.76	364.14	70.723	38.064	32.826	48.145
#1	.01557	-.00026	.00091	.0093	.00248	.00039	.05497	.00046	-.00004
#2	.01287	-.00012	.00103	.0067	-.00109	.00118	.09546	.00074	-.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	Ti3349	Tl1908	V_2924	Zn2062
Line	334.904 {101}	190.856 {477}	292.402 {115}	206.200 {163}
IS Ref	(Y_3600)	(In2306)	(Y_3600)	(Y_3600)
Units	ppm	ppm	ppm	ppm
Avg	**.00102**	**.00016**	**.00026**	**-.00026**
Stddev	.00018	.00078	.00003	.00046
%RSD	17.309	473.45	12.659	179.45
#1	.00090	.00072	.00029	.00007
#2	.00115	-.00039	.00024	-.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	**3585.1**	**5122.9**	**71383.**	**14208.**
Stddev	1.4	3.0	215.	25.
%RSD	.03768	.05889	.30151	.17829
#1	3586.0	5120.7	71230.	14191.
#2	3584.1	5125.0	71535.	14226.

Sample Name: RB Acquired: 3/14/2014 5:54:48 Type: Unk
Method: ICAP1 New RLs at low cal point Mode: CONC Corr. Factor: 1.000000
User: AMH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	B_2089	Ba4554-2	Be3130	Ca3179	Cd2288	Co2286
Line	328.068 {103}	308.215 {109}	189.042 {478}	208.959 {461}	455.403 { 74}2	313.042 {108}	317.933 {106}	228.802 {447}	228.616 {447}
IS Ref	(Y_3600)	(Y_3774)	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3774)	(Y_3774)	(Y_2243)	(In2306)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00045**	**-.00607**	**.00020**	**.00075**	**.00014**	**.00000**	**.00980**	**.00003**	**.00003**
Stddev	.00017	.00198	.00052	.00008	.00001	.00002	.00177	.00002	.00002
%RSD	38.018	32.601	260.49	10.467	9.1053	550.06	18.029	53.422	50.319
#1	.00057	-.00747	.00057	.00080	.00013	.00002	.01105	.00002	.00002
#2	.00033	-.00467	-.00017	.00069	.00014	-.00001	.00855	.00004	.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	**.00007**	**.00073**	**-.00185**	**.08605**	**-.00016**	**-.00082**	**.00189**	**.00006**	**-.00014**
Stddev	.00031	.00016	.00141	.00968	.00023	.00086	.00263	.00005	.00010
%RSD	452.15	22.398	76.529	11.254	146.26	105.20	139.11	88.225	70.811
#1	.00029	.00062	-.00085	.07920	-.00032	-.00021	.00375	.00002	-.00007
#2	-.00015	.00085	-.00285	.09290	.00001	-.00142	.00003	.00010	-.00021
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Na5895	Ni2316	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899	Sr4077
Line	589.592 { 57}	231.604 {446}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}2	189.989 {477}	407.771 { 83}
IS Ref	(Y_3774)	(In2306)	(In2306)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3774)	(In2306)	(Y_3774)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.01561**	**-.00029**	**-.00003**	**.0060**	**-.00132**	**-.00036**	**.05146**	**.00008**	**-.00010**
Stddev	.00106	.00026	.00068	.0055	.00013	.00221	.00631	.00039	.00008
%RSD	6.7883	92.691	2210.5	91.98	10.198	614.64	12.270	493.22	81.707
#1	.01486	-.00010	.00045	.0099	-.00142	-.00192	.04700	-.00020	-.00015
#2	.01636	-.00047	-.00051	.0021	-.00123	.00120	.05593	.00036	-.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	Ti3349	Tl1908	V_2924	Zn2062
Line	334.904 {101}	190.856 {477}	292.402 {115}	206.200 {163}
IS Ref	(Y_3600)	(In2306)	(Y_3600)	(Y_3600)
Units	ppm	ppm	ppm	ppm
Avg	**.00032**	**.00026**	**.00028**	**-.00039**
Stddev	.00014	.00226	.00029	.00025
%RSD	42.483	859.46	101.81	64.715
#1	.00023	.00186	.00049	-.00057
#2	.00042	-.00134	.00008	-.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	**3583.0**	**5117.9**	**70340.**	**14024.**
Stddev	.0	.2	14.	47.
%RSD	.00002	.00422	.01980	.33723
#1	3583.0	5117.7	70330.	13990.
#2	3583.0	5118.0	70350.	14057.

Sample Name: CCVL Acquired: 3/14/2014 5:57:38 Type: QC
Method: ICAP1 New RLs at low cal point Mode: CONC Corr. Factor: 1.000000
User: AMH 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	**.00644**	**.20689**	**.01450**	**.02094**	**.00243**	**.00206**	**.51011**	**.00210**	**.00416**	**.00416**	**.01122**	**.04617**
Stddev	.00040	.01078	.00178	.00035	.00001	.00000	.00315	.00001	.00003	.00064	.00014	.00033
%RSD	6.2513	5.2089	12.301	1.6629	.28076	.02649	.61818	.33843	.74961	15.371	1.2512	.72412
#1	.00672	.21451	.01324	.02069	.00243	.00206	.51234	.00210	.00413	.00462	.01132	.04641
#2	.00615	.19927	.01576	.02119	.00242	.00206	.50788	.00211	.00418	.00371	.01112	.04594
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	**.59196**	**.44702**	**.03221**	**.21745**	**.00359**	**.01044**	**1.1120**	**.01121**	**.01127**	**.2017**	**.01794**	**.02541**
Stddev	.00785	.00208	.00014	.00294	.00002	.00035	.0022	.00007	.00182	.0017	.00015	.00480
%RSD	1.3254	.46482	.42447	1.3498	.59466	3.3475	.19374	.58383	16.121	.8249	.83191	18.869
#1	.59750	.44849	.03230	.21538	.00358	.01069	1.1104	.01116	.01256	.2029	.01784	.02880
#2	.58641	.44555	.03211	.21953	.00361	.01019	1.1135	.01125	.00999	.2005	.01805	.02202
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	**.55071**	**.01123**	**.00516**	**.00517**	**.02003**	**.00554**	**.00965**
Stddev	.00724	.00010	.00002	.00006	.00326	.00025	.00024
%RSD	1.3142	.87834	.30848	1.1032	16.286	4.5692	2.4367
#1	.54559	.01116	.00515	.00521	.02233	.00536	.00982
#2	.55582	.01130	.00517	.00513	.01772	.00572	.00949
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	**3622.9**	**5187.4**	**71760.**	**14288.**
Stddev	3.6	9.6	265.	64.
%RSD	.09822	.18474	.36943	.44711
#1	3625.4	5194.2	71948.	14333.
#2	3620.3	5180.6	71573.	14243.

Sample Name: ICSA-1918476 Acquired: 3/14/2014 6:00:29 Type: QC
Method: ICAP1 New RLs at low cal point Mode: CONC Corr. Factor: 1.000000
User: AMH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	B_2089	Ba4554-2	Be3130	Ca3179	Cd2288	Co2286	Cr2677	Cu3247	Fe2714
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00045**	**503.98**	**-.00463**	**-.00066**	**.00019**	**-.00001**	**447.64**	**.00071**	**-.00060**	**-.00135**	**.00302**	**174.70**
Stddev	.00071	2.65	.00144	.00007	.00001	.00005	1.23	.00016	.00009	.00037	.00007	1.10
%RSD	159.39	.52659	31.228	9.9646	5.2584	709.01	.27486	22.081	15.108	27.472	2.3374	.63127
#1	.00006	502.10	-.00565	-.00062	.00019	.00003	448.51	.00060	-.00054	-.00109	.00307	173.92
#2	-.00095	505.86	-.00361	-.00071	.00018	-.00004	446.77	.00082	-.00067	-.00162	.00297	175.48
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	**.05634**	**.00148**	**.00496**	**501.16**	**.00359**	**-.00132**	**.04040**	**-.00014**	**-.00454**	**-.1382**	**-.00197**	**-.01184**
Stddev	.01729	.00027	.00015	.33	.00015	.00049	.00099	.00034	.00006	.0011	.00070	.01185
%RSD	30.683	18.016	2.9331	.06613	4.1774	37.058	2.4544	240.46	1.4244	.8066	35.777	100.06
#1	.04412	.00129	.00485	500.93	.00349	-.00098	.04110	-.00038	-.00449	-.1390	-.00247	-.00346
#2	.06857	.00167	.00506	501.40	.00370	-.00167	.03970	.00010	-.00459	-.1375	-.00147	-.02022
Check ?	Chk Pass	Chk Pass	None	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	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.04214**	**.00163**	**.01430**	**.00157**	**.00175**	**.00180**	**.00023**
Stddev	.02663	.00118	.00014	.00057	.00236	.00018	.00066
%RSD	63.186	72.810	.96675	36.361	134.30	10.184	284.80
#1	.02331	.00246	.01420	.00116	.00342	.00193	-.00023
#2	.06097	.00079	.01440	.00197	.00009	.00167	.00069
Check ?	None	Chk Pass	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	**2633.9**	**4433.8**	**60682.**	**13593.**
Stddev	.1	.6	201.	42.
%RSD	.00265	.01328	.33047	.30790
#1	2633.9	4433.3	60540.	13564.
#2	2634.0	4434.2	60824.	13623.

Sample Name: ICSAB-1910692 Acquired: 3/14/2014 6:03:27 Type: QC
Method: ICAP1 New RLs at low cal point Mode: CONC Corr. Factor: 1.000000
User: AMH 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	**.22539**	**498.41**	**.10904**	**.00411**	**.51327**	**.49283**	**441.44**	**1.0437**	**.50953**	**.48528**	**.56492**	**87.080**
Stddev	.00047	.45	.00215	.00021	.00156	.00109	.28	.0005	.00133	.00066	.00023	.063
%RSD	.20908	.09042	1.9697	5.0708	.30368	.22078	.06290	.04463	.26095	.13662	.04055	.07202
#1	.22506	498.09	.11056	.00396	.51217	.49206	441.24	1.0434	.51047	.48575	.56476	87.124
#2	.22572	498.73	.10752	.00426	.51437	.49360	441.63	1.0441	.50859	.48481	.56508	87.036
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	**.06153**	**.03056**	**.55755**	**507.22**	**.47923**	**.00011**	**.09966**	**.97951**	**.04700**	F **.5149**	**.61350**	**.04554**
Stddev	.00154	.00042	.00257	.63	.00018	.00007	.00481	.00062	.00037	.0031	.00094	.00372
%RSD	2.5027	1.3813	.46043	.12380	.03661	62.367	4.8277	.06354	.78072	.5934	.15331	8.1725
#1	.06261	.03026	.55574	507.66	.47935	.00016	.10306	.97995	.04726	.5171	.61417	.04290
#2	.06044	.03086	.55937	506.78	.47910	.00006	.09626	.97907	.04674	.5127	.61284	.04817
Check ?	None	None	None	Chk Pass	Chk Pass	None	None	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass
Value										.2000		
Range										20.00%		

Elem	Si2881	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.0582**	**-.00024**	**.51341**	**.00289**	**.09931**	**.50613**	**.95606**
Stddev	.0161	.00033	.00091	.00012	.00080	.00019	.00068
%RSD	1.5212	137.67	.17774	4.0764	.80411	.03793	.07062
#1	1.0468	-.00047	.51277	.00281	.09988	.50599	.95654
#2	1.0696	-.00001	.51406	.00297	.09875	.50626	.95559
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	**2626.6**	**4443.3**	**59646.**	**13514.**
Stddev	4.8	.4	155.	41.
%RSD	.18250	.00985	.26046	.30543
#1	2623.2	4443.0	59536.	13485.
#2	2630.0	4443.7	59756.	13543.

Sample Name: CCV Acquired: 3/14/2014 6:06:18 Type: QC
Method: ICAP1 New RLs at low cal point Mode: CONC Corr. Factor: 1.000000
User: AMH 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	**.52783**	**26.149**	**.54589**	**.52983**	F **.55487**	**.51823**	**25.433**	**.53772**	**.52915**	**.52929**	**.54596**	**24.510**
Stddev	.00178	.209	.00082	.00048	.00277	.00151	.280	.00008	.00045	.00067	.00088	.154
%RSD	.33768	.80098	.15028	.09064	.49844	.29228	1.1021	.01515	.08440	.12657	.16183	.62664
#1	.52657	26.001	.54531	.52949	.55292	.51716	25.234	.53766	.52883	.52882	.54534	24.401
#2	.52909	26.297	.54647	.53017	.55683	.51930	25.631	.53778	.52946	.52977	.54659	24.618
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	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	F **28.056**	F **27.813**	F **.56126**	**26.408**	**.53308**	**.54083**	F **27.812**	**.52821**	**.52641**	**26.36**	**.54650**	**.53974**
Stddev	.246	.264	.00580	.031	.00066	.00104	.260	.00076	.00063	.05	.00235	.00158
%RSD	.87723	.94752	1.0338	.11631	.12419	.19259	.93474	.14330	.11908	.1870	.43036	.29355
#1	27.882	27.627	.55716	26.430	.53355	.54009	27.628	.52768	.52596	26.32	.54484	.53862
#2	28.231	27.999	.56536	26.387	.53261	.54156	27.995	.52875	.52685	26.39	.54816	.54086
Check ?	Chk Fail	Chk Fail	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value	25.000	25.000	.50000				25.000					
Range	10.000%	10.000%	10.000%				10.000%					

Elem	Si2881	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**25.534**	**.53759**	**.54351**	**.53731**	**.52649**	**.53574**	**.52006**
Stddev	.430	.00179	.00509	.00081	.00127	.00081	.00221
%RSD	1.6823	.33365	.93633	.15128	.24036	.15033	.42559
#1	25.231	.53632	.53991	.53789	.52738	.53631	.52163
#2	25.838	.53886	.54710	.53674	.52559	.53517	.51850
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	**3255.8**	**4935.4**	**67756.**	**14063.**
Stddev	3.6	5.9	86.	71.
%RSD	.11011	.11942	.12718	.50332
#1	3258.4	4939.5	67695.	14113.
#2	3253.3	4931.2	67817.	14013.

Sample Name: CCB Acquired: 3/14/2014 6:09:04 Type: QC
Method: ICAP1 New RLs at low cal point Mode: CONC Corr. Factor: 1.000000
User: AMH 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	**.00000**	**.00411**	**.00459**	**.00119**	**.00013**	**.00002**	**.00901**	**.00000**	**-.00001**	**-.00035**	**.00101**	**.00130**
Stddev	.00088	.01567	.00205	.00026	.00002	.00007	.00305	.00004	.00000	.00066	.00020	.00085
%RSD	31984.	381.16	44.715	22.066	13.422	308.25	33.821	1760.1	.81125	187.66	19.702	65.020
#1	.00063	.01519	.00604	.00138	.00012	.00007	.01116	-.00003	-.00001	.00012	.00115	.00070
#2	-.00062	-.00697	.00314	.00101	.00015	-.00002	.00685	.00003	-.00001	-.00082	.00087	.00190
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	**.04741**	**.00101**	**.00071**	**.00299**	**.00010**	**.00022**	**.02269**	**-.00035**	**-.00027**	F **.0040**	**.00045**	**-.00018**
Stddev	.00339	.00012	.00007	.00261	.00002	.00016	.00110	.00009	.00067	.0024	.00028	.00318
%RSD	7.1503	11.982	10.280	87.403	16.190	76.052	4.8293	26.484	246.50	61.50	61.584	1757.2
#1	.04501	.00109	.00076	.00114	.00009	.00033	.02347	-.00028	-.00075	.0057	.00064	.00207
#2	.04981	.00092	.00066	.00483	.00011	.00010	.02192	-.00041	.00020	.0022	.00025	-.00243
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
High Limit										.0030		
Low Limit										-.0040		

Elem	Si2881	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.06189**	**-.00012**	**-.00009**	**.00024**	**.00016**	**.00010**	**-.00033**
Stddev	.01659	.00072	.00010	.00025	.00048	.00038	.00011
%RSD	26.801	620.84	110.87	103.33	297.32	388.56	34.742
#1	.05016	-.00062	-.00002	.00006	-.00018	-.00017	-.00041
#2	.07362	.00039	-.00016	.00041	.00050	.00037	-.00025
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	**3550.3**	**5059.5**	**70244.**	**14036.**
Stddev	2.7	8.4	19.	20.
%RSD	.07608	.16666	.02728	.14374
#1	3548.4	5053.5	70258.	14050.
#2	3552.2	5065.5	70230.	14021.

Sample Name: CCV Acquired: 3/14/2014 6:11:56 Type: QC
Method: ICAP1 New RLs at low cal point Mode: CONC Corr. Factor: 1.000000
User: AMH 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	**.52575**	**26.197**	**.54552**	**.52988**	F **.55616**	**.51811**	**25.457**	**.53591**	**.52869**	**.52416**	**.54770**	**24.475**
Stddev	.00078	.071	.00003	.00036	.00012	.00174	.058	.00062	.00067	.00015	.00050	.063
%RSD	.14841	.27221	.00556	.06841	.02237	.33594	.22732	.11583	.12590	.02862	.09185	.25562
#1	.52631	26.147	.54550	.53013	.55607	.51688	25.416	.53547	.52822	.52405	.54806	24.430
#2	.52520	26.248	.54554	.52962	.55624	.51934	25.498	.53634	.52917	.52426	.54735	24.519
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	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	F **28.211**	F **28.066**	F **.56215**	**26.336**	**.53242**	**.54029**	F **27.965**	**.52720**	**.52933**	**26.37**	**.54198**	**.54169**
Stddev	.034	.161	.00218	.000	.00129	.00008	.037	.00060	.00008	.02	.00258	.00518
%RSD	.12049	.57369	.38836	.00058	.24146	.01562	.13218	.11365	.01559	.0827	.47616	.95599
#1	28.186	27.952	.56369	26.336	.53333	.54023	27.939	.52678	.52927	26.35	.54380	.53803
#2	28.235	28.179	.56060	26.336	.53151	.54035	27.991	.52762	.52938	26.38	.54015	.54535
Check ?	Chk Fail	Chk Fail	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value	25.000	25.000	.50000				25.000					
Range	10.000%	10.000%	10.000%				10.000%					

Elem	Si2881	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**25.581**	**.54020**	**.54654**	**.53736**	**.52689**	**.53413**	**.51853**
Stddev	.162	.00180	.00001	.00006	.00153	.00016	.00103
%RSD	.63156	.33369	.00237	.01096	.29101	.03017	.19854
#1	25.466	.54147	.54653	.53732	.52797	.53424	.51780
#2	25.695	.53892	.54655	.53740	.52581	.53402	.51926
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	**3246.2**	**4929.2**	**67670.**	**14034.**
Stddev	4.7	3.4	87.	30.
%RSD	.14544	.06805	.12877	.21660
#1	3249.5	4931.6	67608.	14055.
#2	3242.9	4926.8	67731.	14012.

Sample Name: CCB Acquired: 3/14/2014 6:14:42 Type: QC
Method: ICAP1 New RLs at low cal point Mode: CONC Corr. Factor: 1.000000
User: AMH 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	**.00031**	**.01244**	**.00123**	**.00109**	**.00014**	**.00002**	**.01679**	**.00005**	**.00003**	**-.00005**	**.00091**	**.00479**
Stddev	.00004	.00984	.00013	.00004	.00002	.00004	.00192	.00009	.00001	.00002	.00020	.00124
%RSD	12.778	79.060	10.618	3.2810	17.499	206.09	11.430	187.14	27.506	41.688	21.622	25.934
#1	.00034	.00549	.00132	.00106	.00012	-.00001	.01544	.00011	.00004	-.00007	.00077	.00567
#2	.00028	.01940	.00114	.00112	.00016	.00005	.01815	-.00002	.00003	-.00004	.00105	.00391
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	**.05973**	**.00144**	**.00005**	**.00481**	**.00017**	**.00012**	**.01245**	**-.00066**	**.00092**	F **.0088**	**-.00029**	**.00106**
Stddev	.00639	.00006	.00027	.00091	.00003	.00008	.00315	.00046	.00005	.0031	.00117	.00329
%RSD	10.702	4.0948	606.21	18.979	20.519	65.439	25.348	70.060	5.6259	35.76	405.16	311.54
#1	.05521	.00140	-.00015	.00416	.00014	.00006	.01468	-.00033	.00095	.0066	.00054	.00339
#2	.06424	.00149	.00024	.00546	.00019	.00018	.01022	-.00099	.00088	.0110	-.00111	-.00127
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
High Limit										.0030		
Low Limit										-.0040		

Elem	Si2881	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.06788**	**.00011**	**-.00001**	**.00041**	**.00007**	**.00023**	**-.00019**
Stddev	.01359	.00030	.00004	.00030	.00105	.00029	.00005
%RSD	20.024	280.89	394.42	72.494	1449.1	122.54	26.554
#1	.05827	-.00010	-.00004	.00063	-.00067	.00044	-.00022
#2	.07749	.00031	.00002	.00020	.00081	.00003	-.00015
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	**3559.4**	**5059.9**	**70245.**	**14044.**
Stddev	5.0	10.7	236.	24.
%RSD	.14009	.21134	.33592	.17045
#1	3555.8	5052.4	70078.	14061.
#2	3562.9	5067.5	70412.	14027.

Run File: I1031414A Instrument: ICAP1

Analyst: ~~I1031414A~~ AMH 3/14/14 Data Review: AMH 3/14/14

Spikes IDs: 1730804(W1), 1730739 (W2),1886662(Sn), 1890567(Ag), 1905940(Si), 1320125(TCLP)

Pipette IDs: 12-16-13-(1-7,8,10,13,14)
Internal Standard: 1925761

Seq#	Run File ID	Sample ID	Date / Time	Type
1	I1031414A	IC-1929749	03/14/14 10:33 AM	Standard
2	I1031414A	IC-1910562	03/14/14 10:35 AM	Standard
3	I1031414A	IC-1925065	03/14/14 10:38 AM	Standard
4	I1031414A	IC-1925063	03/14/14 10:41 AM	Standard
5	I1031414A	ICV-1929659	03/14/14 10:44 AM	QC
6	I1031414A	ICB-1929749	03/14/14 10:46 AM	QC
7	I1031414A	ICVL-1925066	03/14/14 10:49 AM	QC
8	I1031414A	ICSA-1918476	03/14/14 10:52 AM	QC
9	I1031414A	ICSAB-1910692	03/14/14 10:55 AM	QC
10	I1031414A	CCV-1929646	03/14/14 10:58 AM	QC
11	I1031414A	CCB-1929749	03/14/14 11:01 AM	QC
12	I1031414A	CCVL-1925066	03/14/14 11:03 AM	QC
13	I1031414A	MB 480-169933/1-A	03/14/14 11:06 AM	Unknown
14	I1031414A	LCSSRM 480-169933/2-	03/14/14 11:09 AM	Unknown
15	I1031414A	CCV	03/14/14 11:12 AM	QC
16	I1031414A	CCB	03/14/14 11:15 AM	QC
17	I1031414A	CCVL	03/14/14 11:17 AM	QC
18	I1031414A	480-55039-B-1-I	03/14/14 11:20 AM	Unknown
19	I1031414A	480-55039-B-1-I SD@5	03/14/14 11:23 AM	Unknown
20	I1031414A	480-55039-B-1-I PDS	03/14/14 11:26 AM	Unknown
21	I1031414A	480-55039-B-1-J MS	03/14/14 11:29 AM	Unknown
22	I1031414A	480-55039-B-1-K MSD	03/14/14 11:32 AM	Unknown
23	I1031414A	480-55039-F-2-D	03/14/14 11:35 AM	Unknown
24	I1031414A	480-55039-B-3-D	03/14/14 11:38 AM	Unknown
25	I1031414A	480-55039-F-4-D	03/14/14 11:40 AM	Unknown
26	I1031414A	480-55039-F-5-E	03/14/14 11:43 AM	Unknown
27	I1031414A	CCV	03/14/14 11:46 AM	QC
28	I1031414A	CCB	03/14/14 11:49 AM	QC
29	I1031414A	CCVL	03/14/14 11:51 AM	QC
30	I1031414A	480-55333-A-1-A	03/14/14 11:54 AM	Unknown
31	I1031414A	460-71974-F-1-B	03/14/14 11:57 AM	Unknown
32	I1031414A	480-55339-B-2-A@50	03/14/14 12:00 PM	Unknown
33	I1031414A	480-55339-B-2-A@100	03/14/14 12:03 PM	Unknown
34	I1031414A	480-55339-B-2-A@200	03/14/14 12:06 PM	Unknown
35	I1031414A	RB	03/14/14 12:09 PM	Unknown
36	I1031414A	54882-13 tot raw	03/14/14 12:12 PM	Unknown
37	I1031414A	54882-9 tot raw	03/14/14 12:15 PM	Unknown
38	I1031414A	RB	03/14/14 12:18 PM	Unknown
39	I1031414A	CCV	03/14/14 12:20 PM	QC
40	I1031414A	CCB	03/14/14 12:23 PM	QC

41	I1031414A	CCVL	03/14/14 12:26 PM	QC
42	I1031414A	MB 480-169698/1-A	03/14/14 12:29 PM	Unknown
43	I1031414A	480-55780-D-1-A@5	03/14/14 12:31 PM	Unknown
44	I1031414A	480-55780-D-2-A@5	03/14/14 12:34 PM	Unknown
45	I1031414A	480-55782-A-3-A@5	03/14/14 12:37 PM	Unknown
46	I1031414A	RB	03/14/14 12:40 PM	Unknown
47	I1031414A	RB	03/14/14 12:43 PM	Unknown
48	I1031414A	MB 480-169833/1-A	03/14/14 12:46 PM	Unknown
49	I1031414A	LCSSRM 480-169833/2-	03/14/14 12:48 PM	Unknown
50	I1031414A	480-55451-A-1-A	03/14/14 12:51 PM	Unknown
51	I1031414A	CCV	03/14/14 12:54 PM	QC
52	I1031414A	CCB	03/14/14 12:56 PM	QC
53	I1031414A	CCVL	03/14/14 12:59 PM	QC
54	I1031414A	480-55451-A-2-A	03/14/14 01:02 PM	Unknown
55	I1031414A	480-55451-A-2-A SD@5	03/14/14 01:05 PM	Unknown
56	I1031414A	480-55451-A-2-A PDS	03/14/14 01:08 PM	Unknown
57	I1031414A	480-55451-A-2-B MS	03/14/14 01:11 PM	Unknown
58	I1031414A	480-55451-A-2-C MSD	03/14/14 01:13 PM	Unknown
59	I1031414A	480-55451-A-3-A	03/14/14 01:16 PM	Unknown
60	I1031414A	480-55451-A-4-A	03/14/14 01:19 PM	Unknown
61	I1031414A	480-55451-A-5-A	03/14/14 01:22 PM	Unknown
62	I1031414A	480-55451-A-6-A	03/14/14 01:25 PM	Unknown
63	I1031414A	CCV	03/14/14 01:28 PM	QC
64	I1031414A	CCB	03/14/14 01:31 PM	QC
65	I1031414A	CCVL	03/14/14 01:33 PM	QC
66	I1031414A	480-55451-A-7-A	03/14/14 01:36 PM	Unknown
67	I1031414A	480-55451-A-8-A	03/14/14 01:39 PM	Unknown
68	I1031414A	480-55451-A-9-A	03/14/14 01:42 PM	Unknown
69	I1031414A	480-55451-A-10-A	03/14/14 01:45 PM	Unknown
70	I1031414A	480-55482-B-1-C	03/14/14 01:48 PM	Unknown
71	I1031414A	480-55482-A-2-B	03/14/14 01:50 PM	Unknown
72	I1031414A	480-55482-A-3-A	03/14/14 01:53 PM	Unknown
73	I1031414A	480-55482-B-4-C	03/14/14 01:56 PM	Unknown
74	I1031414A	480-55482-D-5-D	03/14/14 01:59 PM	Unknown
75	I1031414A	CCV	03/14/14 02:02 PM	QC
76	I1031414A	CCB	03/14/14 02:04 PM	QC
77	I1031414A	CCVL	03/14/14 02:07 PM	QC
78	I1031414A	480-55709-A-1-A	03/14/14 02:10 PM	Unknown
79	I1031414A	480-55709-A-2-A	03/14/14 02:13 PM	Unknown
80	I1031414A	480-55709-A-3-A	03/14/14 02:15 PM	Unknown
81	I1031414A	55507-2 tot raw	03/14/14 02:18 PM	Unknown
82	I1031414A	Ed 3	03/14/14 02:21 PM	Unknown
83	I1031414A	dispenser	03/14/14 02:24 PM	Unknown
84	I1031414A	no name bottle	03/14/14 02:26 PM	Unknown
85	I1031414A	480-55333-A-1-A@5	03/14/14 02:29 PM	Unknown
86	I1031414A	RB	03/14/14 02:32 PM	Unknown
87	I1031414A	CCV	03/14/14 02:35 PM	QC
88	I1031414A	CCB	03/14/14 02:38 PM	QC
89	I1031414A	ccvl	03/14/14 02:40 PM	QC
90	I1031414A	CCV	03/14/14 02:43 PM	QC

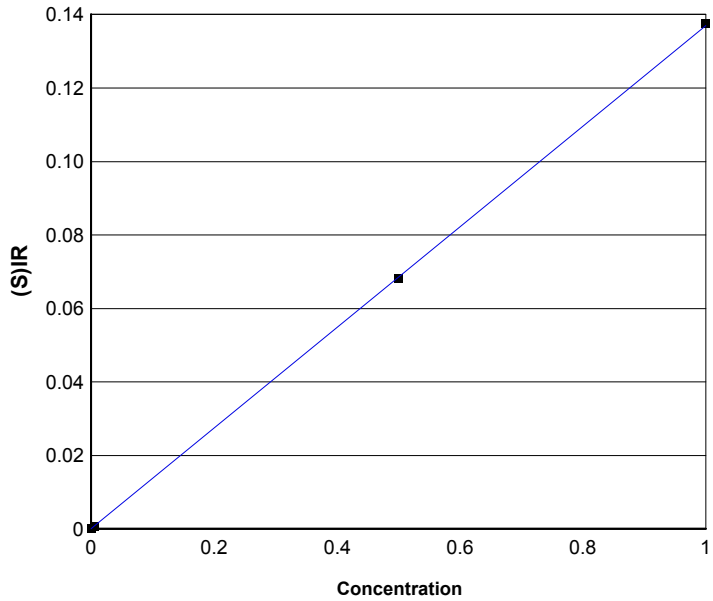
I1031414A

Author: AMH

Published: 3/14/2014 2:56:57PM

Instrument Name: iCAP1 Serial Number: 20094603

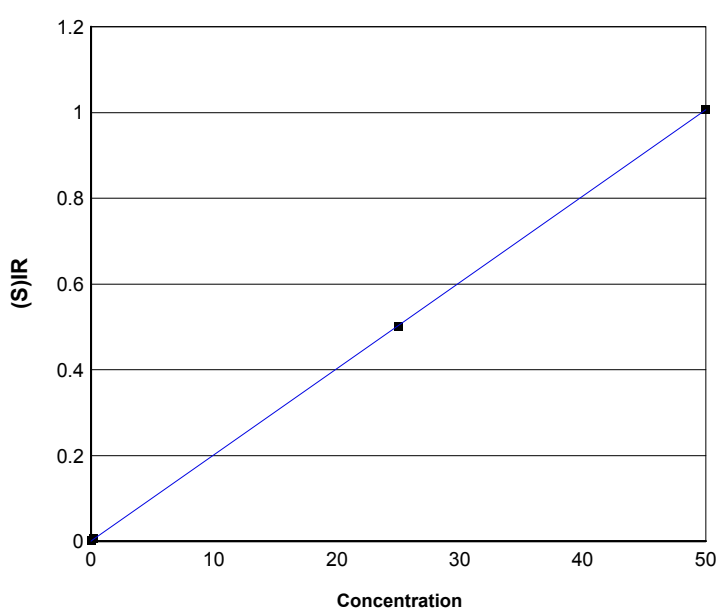
Method Name: ICAP1 New RLs at low cal point (1)



Element Name:	Ag
Element Wavelength:	Ag 328.068 nm
Concentration Units:	ppm
Date of Calibration:	3/14/2014 10:44:11AM
Date of Fit:	3/14/2014 10:44:11AM
Type of Fit:	Linear
Correlation:	0.99996
A0 (Offset):	0.000024111
A1 (Gain):	0.13698
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

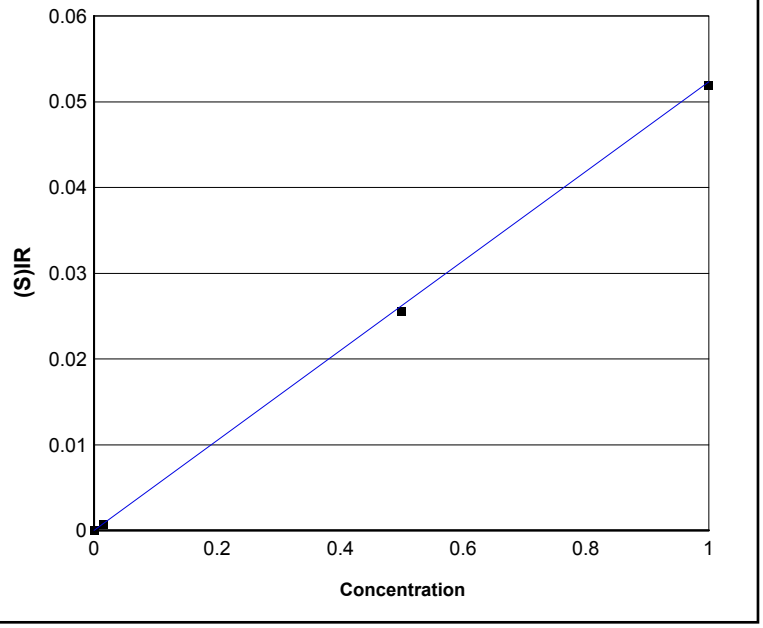
Standard Name	Stated	Found	Diff	% Diff	(S)IR	Stddev	Emphasis
IC1	0.00000	0.0000007141	0.0000007141	0.00000	0.000024209	0.000084383	1
IC4	1.0000	1.0037	0.0037249	0.37249	0.13756	0.00020635	1
IC2	0.0060000	0.0052999	-0.00070014	-11.669	0.00075025	0.000052225	1
IC3	0.50000	0.49698	-0.0030248	-0.60497	0.068122	0.000056290	1



Element Name:	Al
Element Wavelength:	Al 308.215 nm
Concentration Units:	ppm
Date of Calibration:	3/14/2014 10:44:11AM
Date of Fit:	3/14/2014 10:44:11AM
Type of Fit:	Linear
Correlation:	0.99995
A0 (Offset):	0.00081795
A1 (Gain):	0.020114
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

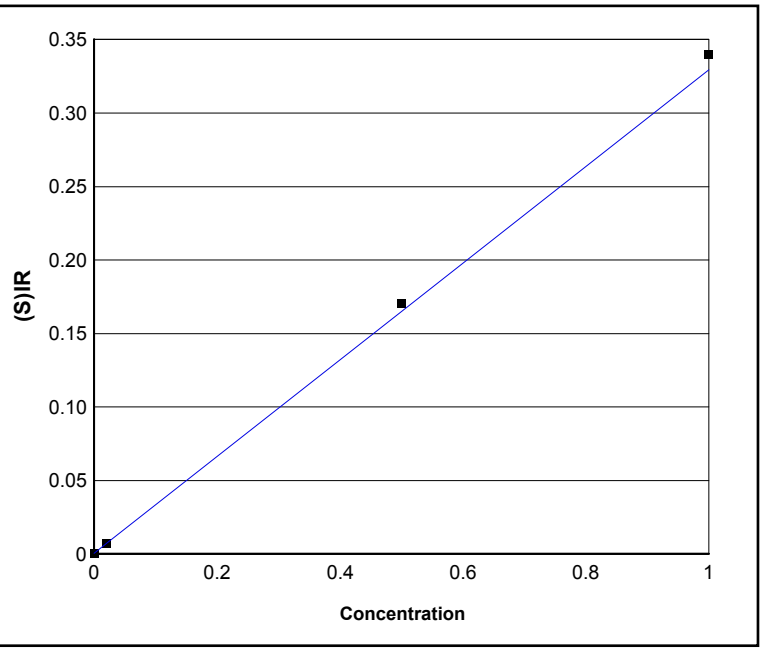
Standard Name	Stated	Found	Diff	% Diff	(S)IR	Stddev	Emphasis
IC1	0.00000	-0.000035393	-0.000035393	0.00000	0.00081724	0.00014435	1
IC4	50.000	50.056	0.056470	0.11294	1.0079	0.0059868	1
IC2	0.20000	0.23591	0.035906	17.953	0.0055641	0.000042385	1
IC3	25.000	24.908	-0.092379	-0.36951	0.50193	0.00024246	1



Element Name:	As
Element Wavelength:	As 189.042 nm
Concentration Units:	ppm
Date of Calibration:	3/14/2014 10:44:11AM
Date of Fit:	3/14/2014 10:44:11AM
Type of Fit:	Linear
Correlation:	0.99994
A0 (Offset):	0.000036817
A1 (Gain):	0.052296
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

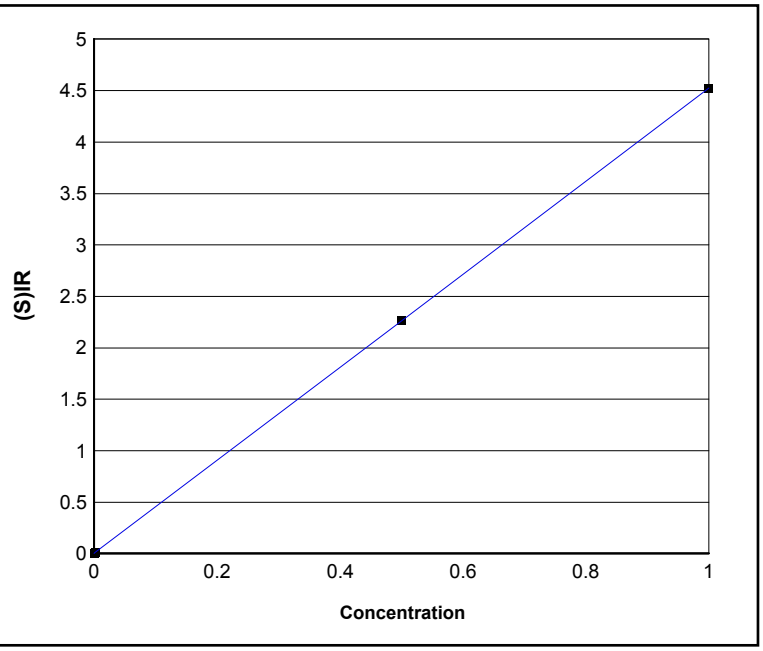
Standard Name	Stated	Found	Diff	% Diff	(S)IR	Stddev	Emphasis
IC1	0.00000	0.0000012838	0.0000012838	0.00000	0.000036884	0.000098705	1
IC4	1.0000	1.0055	0.0054512	0.54512	0.051903	0.000023705	1
IC2	0.015000	0.013760	-0.0012396	-8.2639	0.00075357	0.000077335	1
IC3	0.50000	0.49580	-0.0041990	-0.83979	0.025608	0.000075854	1



Element Name:	B
Element Wavelength:	B 208.959 nm
Concentration Units:	ppm
Date of Calibration:	3/14/2014 10:44:11AM
Date of Fit:	3/14/2014 10:44:11AM
Type of Fit:	Linear
Correlation:	1.00000
A0 (Offset):	0.00063946
A1 (Gain):	0.32884
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

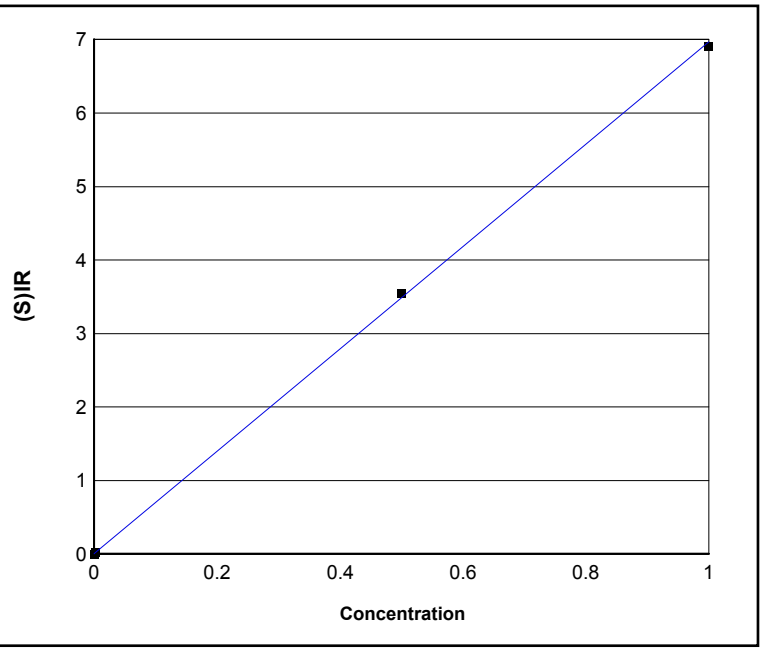
Standard Name	Stated	Found	Diff	% Diff	(S)IR	Stddev	Emphasis
IC1	0.00000	0.0000001150	0.0000001150	0.00000	0.00063950	0.000091874	1
IC4	1.0000	0.99949	-0.00051197	-0.051197	0.34018	0.000081406	1
IC2	0.020000	0.019870	-0.00013034	-0.65169	0.0072821	0.0000046180	1
IC3	0.50000	0.50064	0.00064023	0.12805	0.17070	0.00028045	1



Element Name:	Ba
Element Wavelength:	Ba 455.403 nm
Concentration Units:	ppm
Date of Calibration:	3/14/2014 10:44:11AM
Date of Fit:	3/14/2014 10:44:11AM
Type of Fit:	Linear
Correlation:	0.99998
A0 (Offset):	0.00055563
A1 (Gain):	4.5247
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

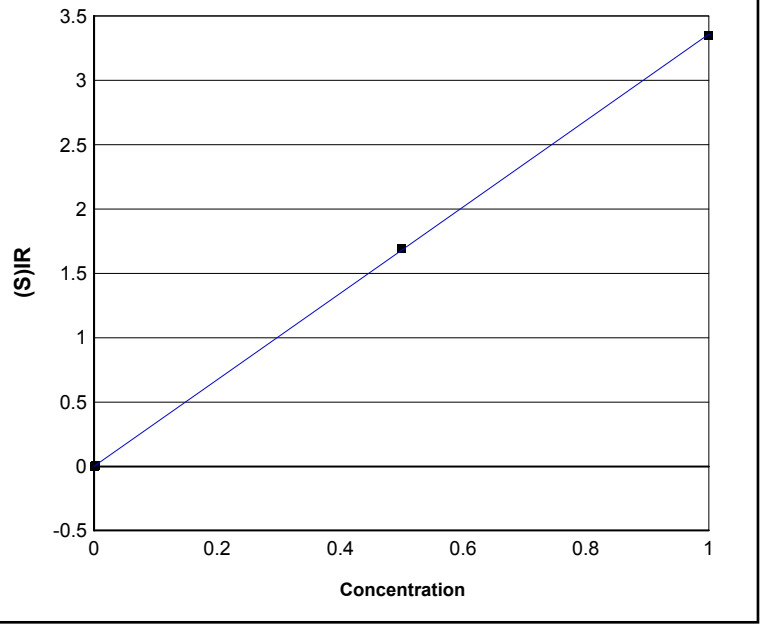
Standard Name	Stated	Found	Diff	% Diff	(S)IR	Stddev	Emphasis
IC1	0.00000	0.0000002905	-0.0000002905	0.00000	0.00055432	0.00015886	1
IC4	1.0000	0.99873	-0.0012718	-0.12718	4.5195	0.013310	1
IC2	0.0020000	0.0022891	0.00028911	14.455	0.010913	0.00012953	1
IC3	0.50000	0.50098	0.00098271	0.19654	2.2674	0.0052970	1



Element Name:	Ba
Element Wavelength:	Ba 455.403 nm
Concentration Units:	ppm
Date of Calibration:	3/14/2014 10:44:11AM
Date of Fit:	3/14/2014 10:44:11AM
Type of Fit:	Linear
Correlation:	0.99990
A0 (Offset):	0.00074727
A1 (Gain):	6.9717
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

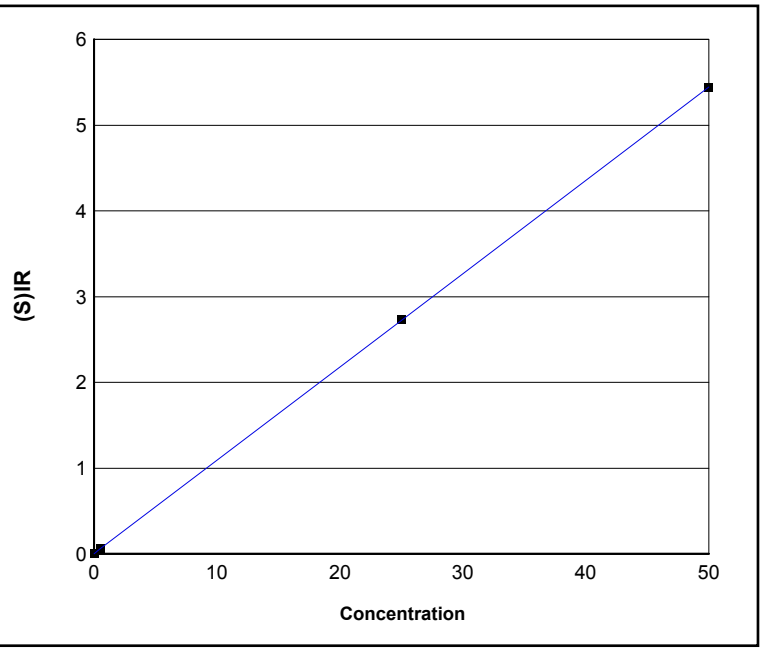
Standard Name	Stated	Found	Diff	% Diff	(S)IR	Stddev	Emphasis
IC1	0.00000	0.0000003594	-0.0000003594	0.00000	0.00074477	0.00011180	1
IC4	1.0000	0.99089	-0.0091063	-0.91063	6.9090	0.018734	1
IC2	0.0020000	0.0023425	0.00034254	17.127	0.017079	0.000049983	1
IC3	0.50000	0.50876	0.0087637	1.7527	3.5477	0.015013	1



Element Name:	Be
Element Wavelength:	Be 313.042 nm
Concentration Units:	ppm
Date of Calibration:	3/14/2014 10:44:11AM
Date of Fit:	3/14/2014 10:44:11AM
Type of Fit:	Linear
Correlation:	0.99999
A0 (Offset):	-0.000020042
A1 (Gain):	3.3610
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

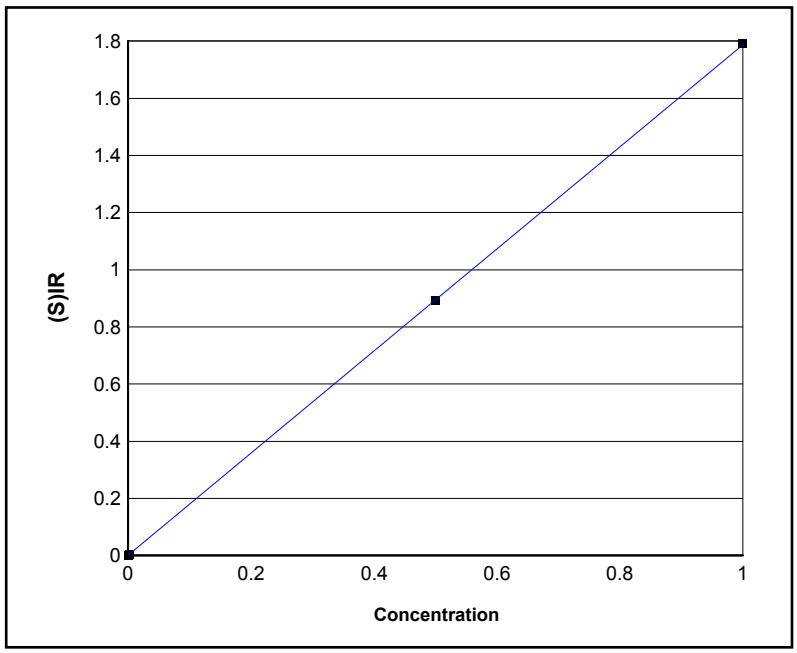
Standard Name	Stated	Found	Diff	% Diff	(S)IR	Stddev	Emphasis
IC1	0.00000	0.0000001119	-0.0000001119	0.00000	-0.000020418	0.000022285	1
IC4	1.0000	0.99646	-0.0035388	-0.35388	3.3475	0.0015486	1
IC2	0.0020000	0.0021053	0.00010529	5.2646	0.0070479	0.00026339	1
IC3	0.50000	0.50343	0.0034336	0.68672	1.6912	0.0031288	1



Element Name:	Ca
Element Wavelength:	Ca 317.933 nm
Concentration Units:	ppm
Date of Calibration:	3/14/2014 10:44:11AM
Date of Fit:	3/14/2014 10:44:11AM
Type of Fit:	Linear
Correlation:	1.00000
A0 (Offset):	0.0035274
A1 (Gain):	0.10884
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

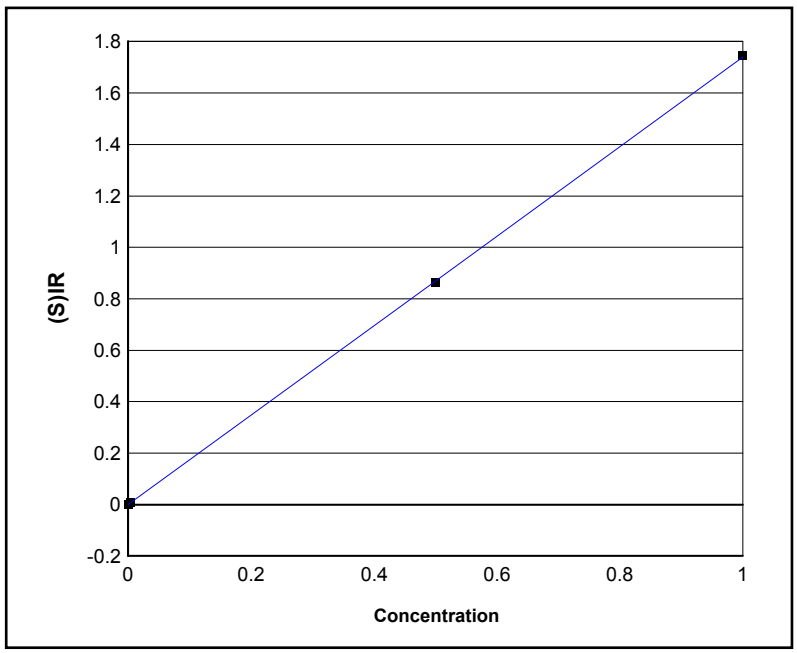
Standard Name	Stated	Found	Diff	% Diff	(S)IR	Stddev	Emphasis
IC1	0.00000	0.0000087966	-0.0000087966	0.00000	0.0035264	0.00028267	1
IC4	50.000	49.947	-0.052626	-0.10525	5.4398	0.014012	1
IC2	0.50000	0.50844	0.0084392	1.6878	0.058866	0.000067660	1
IC3	25.000	25.044	0.044187	0.17675	2.7294	0.0080220	1



Element Name:	Cd
Element Wavelength:	Cd 228.802 nm
Concentration Units:	ppm
Date of Calibration:	3/14/2014 10:44:11AM
Date of Fit:	3/14/2014 10:44:11AM
Type of Fit:	Linear
Correlation:	1.00000
A0 (Offset):	0.0011760
A1 (Gain):	1.7863
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

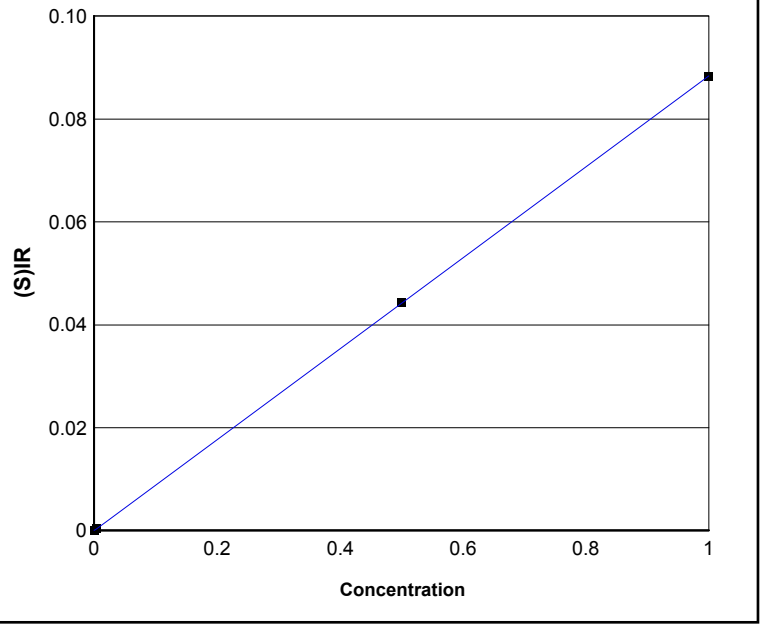
Standard Name	Stated	Found	Diff	% Diff	(S)IR	Stddev	Emphasis
IC1	0.00000	0.0000000717	-0.0000000717	0.00000	0.0011759	0.00010293	1
IC4	1.0000	1.0009	0.00089534	0.089534	1.7922	0.0023458	1
IC2	0.0020000	0.0020738	0.000073760	3.6880	0.0049305	0.000086060	1
IC3	0.50000	0.49903	-0.00097000	-0.19400	0.89417	0.0018410	1



Element Name:	Co
Element Wavelength:	Co 228.616 nm
Concentration Units:	ppm
Date of Calibration:	3/14/2014 10:44:11AM
Date of Fit:	3/14/2014 10:44:11AM
Type of Fit:	Linear
Correlation:	0.99998
A0 (Offset):	-0.00041597
A1 (Gain):	1.7395
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

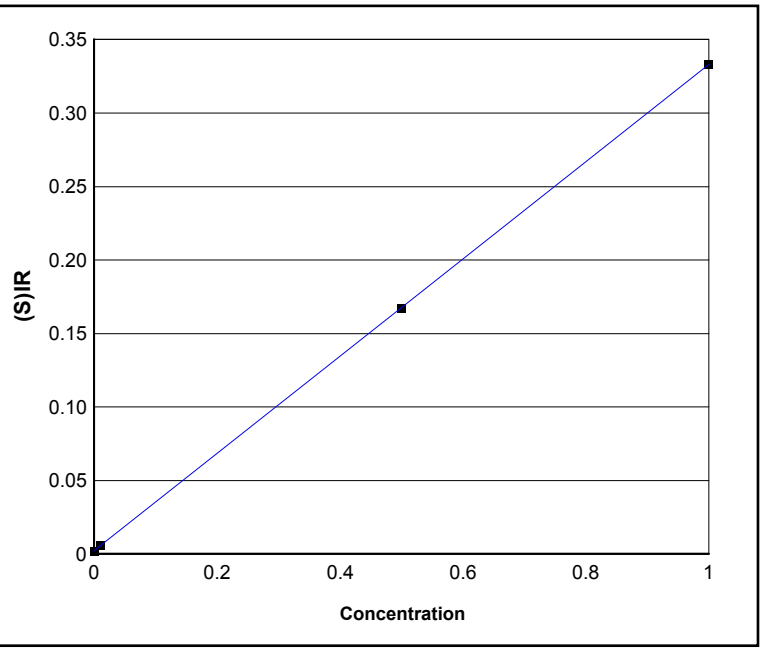
Standard Name	Stated	Found	Diff	% Diff	(S)IR	Stddev	Emphasis
IC1	0.00000	0.0000001489	0.0000001489	0.00000	-0.00041571	0.00023459	1
IC4	1.0000	1.0043	0.0042994	0.42994	1.7475	0.0021261	1
IC2	0.0040000	0.0038672	-0.00013279	-3.3197	0.0063060	0.000082438	1
IC3	0.50000	0.49583	-0.0041668	-0.83336	0.86256	0.00032213	1



Element Name:	Cr
Element Wavelength:	Cr 267.716 nm
Concentration Units:	ppm
Date of Calibration:	3/14/2014 10:44:11AM
Date of Fit:	3/14/2014 10:44:11AM
Type of Fit:	Linear
Correlation:	0.99998
A0 (Offset):	0.000013905
A1 (Gain):	0.088358
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

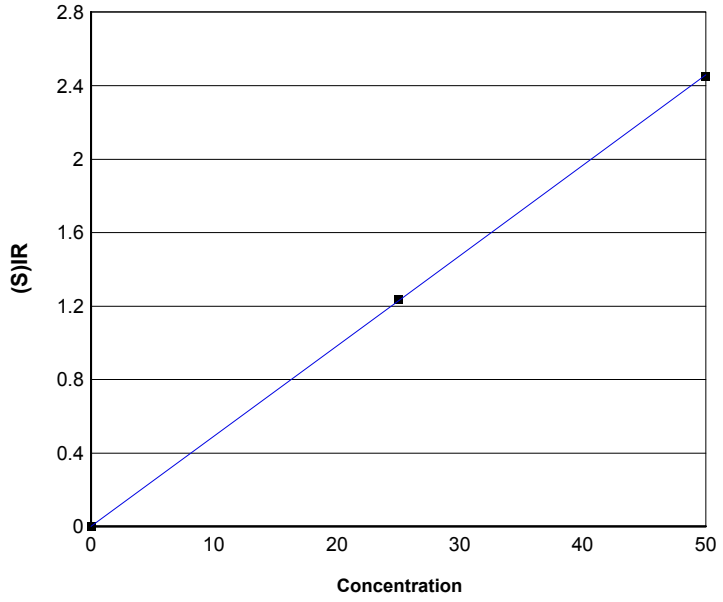
Standard Name	Stated	Found	Diff	% Diff	(S)IR	Stddev	Emphasis
IC1	0.00000	0.0000004890	0.0000004890	0.00000	0.000013948	0.000020892	1
IC4	1.0000	0.99886	-0.0011409	-0.11409	0.088289	0.00053580	1
IC2	0.0040000	0.0035025	-0.00049752	-12.438	0.00032343	0.0000086614	1
IC3	0.50000	0.50164	0.0016384	0.32768	0.044346	0.00033465	1



Element Name:	Cu
Element Wavelength:	Cu 324.754 nm
Concentration Units:	ppm
Date of Calibration:	3/14/2014 10:44:11AM
Date of Fit:	3/14/2014 10:44:11AM
Type of Fit:	Linear
Correlation:	1.00000
A0 (Offset):	0.0020310
A1 (Gain):	0.33099
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

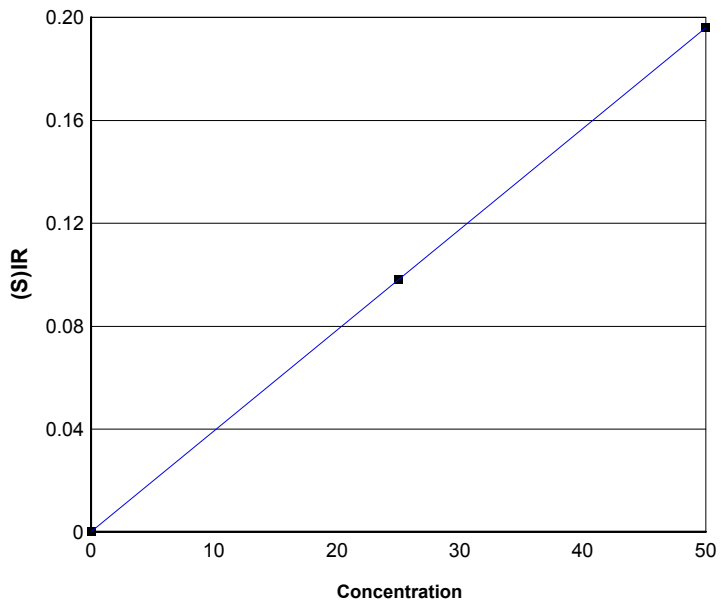
Standard Name	Stated	Found	Diff	% Diff	(S)IR	Stddev	Emphasis
IC1	0.00000	0.0000001247	-0.0000001247	0.00000	0.0020309	0.000023286	1
IC4	1.0000	1.0007	0.00066737	0.066737	0.33316	0.0011494	1
IC2	0.010000	0.010134	0.00013406	1.3406	0.0053848	0.0000055347	1
IC3	0.50000	0.49920	-0.00080144	-0.16029	0.16722	0.00099659	1



Element Name:	Fe
Element Wavelength:	Fe 259.940 nm
Concentration Units:	ppm
Date of Calibration:	3/14/2014 10:44:11AM
Date of Fit:	3/14/2014 10:44:11AM
Type of Fit:	Linear
Correlation:	0.99999
A0 (Offset):	0.000052996
A1 (Gain):	0.049163
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

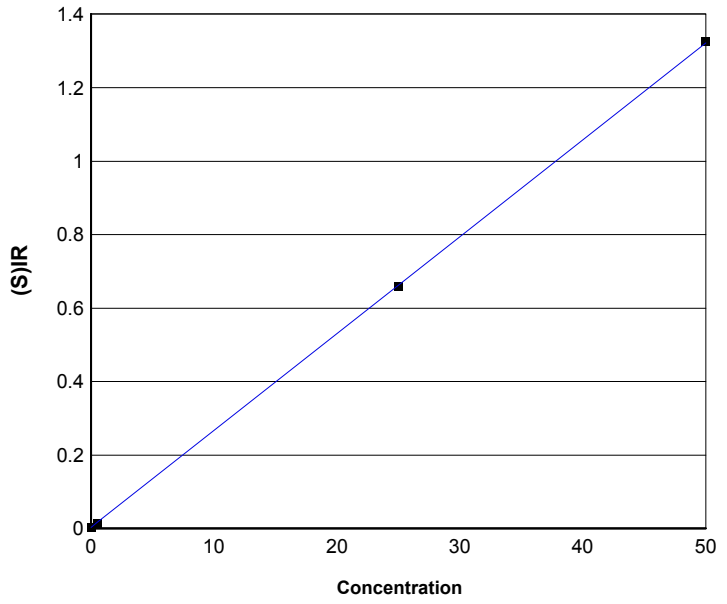
Standard Name	Stated	Found	Diff	% Diff	(S)IR	Stddev	Emphasis
IC1	0.00000	0.0000005345	-0.0000005345	0.00000	0.000052970	0.000076243	1
IC4	50.000	49.832	-0.16786	-0.33573	2.4499	0.00021876	1
IC2	0.050000	0.050367	0.00036740	0.73479	0.0025292	0.000081116	1
IC3	25.000	25.167	0.16750	0.66999	1.2374	0.0012477	1



Element Name:	Fe
Element Wavelength:	Fe 271.441 nm
Concentration Units:	ppm
Date of Calibration:	3/14/2014 10:44:11AM
Date of Fit:	3/14/2014 10:44:11AM
Type of Fit:	Linear
Correlation:	0.99999
A0 (Offset):	0.00015880
A1 (Gain):	0.0039169
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

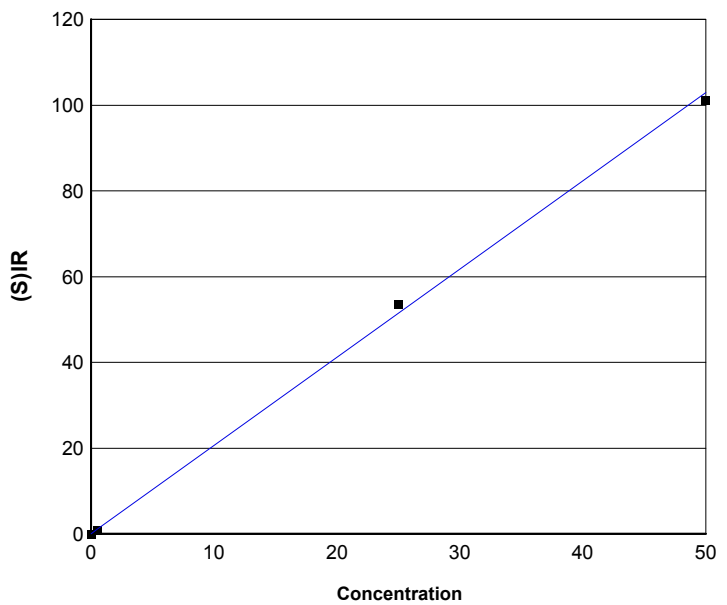
Standard Name	Stated	Found	Diff	% Diff	(S)IR	Stddev	Emphasis
IC1	0.00000	0.0000090185	0.0000090185	0.00000	0.00015884	0.00018062	1
IC4	50.000	49.986	-0.014449	-0.028898	0.19595	0.00095769	1
IC2	0.050000	0.040949	-0.0090511	-18.102	0.00031920	0.00013081	1
IC3	25.000	25.023	0.023500	0.094000	0.098174	0.00036965	1



Element Name:	K
Element Wavelength:	K 766.490 nm
Concentration Units:	ppm
Date of Calibration:	3/14/2014 10:44:11AM
Date of Fit:	3/14/2014 10:44:11AM
Type of Fit:	Linear
Correlation:	0.99998
A0 (Offset):	0.0030464
A1 (Gain):	0.026363
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

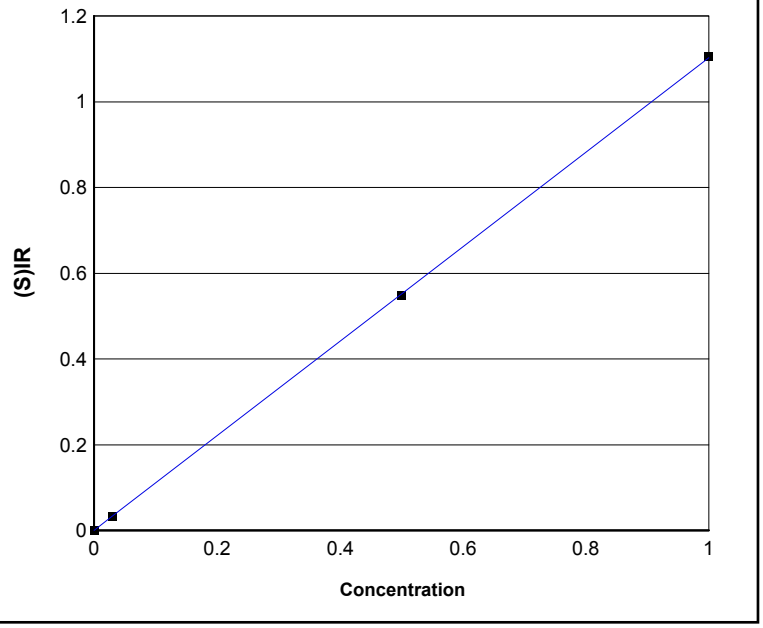
Standard Name	Stated	Found	Diff	% Diff	(S)IR	Stddev	Emphasis
IC1	0.00000	0.000026764	0.000026764	0.00000	0.0030471	0.00022016	1
IC4	50.000	50.186	0.18559	0.37117	1.3261	0.0059831	1
IC2	0.50000	0.47458	-0.025416	-5.0833	0.015558	0.00070737	1
IC3	25.000	24.840	-0.16017	-0.64068	0.65789	0.0025079	1



Element Name:	K
Element Wavelength:	K 766.490 nm
Concentration Units:	ppm
Date of Calibration:	3/14/2014 10:44:11AM
Date of Fit:	3/14/2014 10:44:11AM
Type of Fit:	Linear
Correlation:	0.99956
A0 (Offset):	0.0013404
A1 (Gain):	2.0604
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

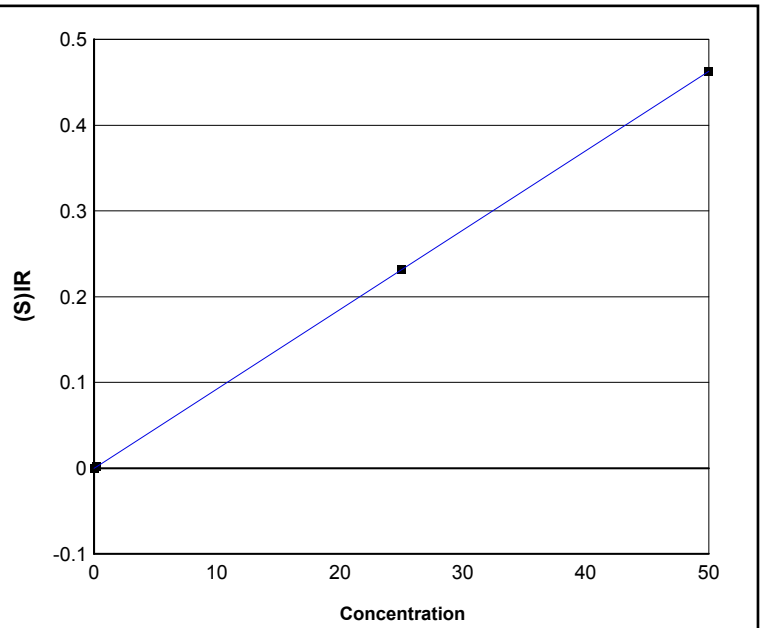
Standard Name	Stated	Found	Diff	% Diff	(S)IR	Stddev	Emphasis
IC1	0.00000	0.000059199	0.000059199	0.00000	0.0014624	0.00055535	1
IC4	50.000	49.069	-0.93138	-1.8628	101.10	1.1480	1
IC2	0.50000	0.43009	-0.069911	-13.982	0.88748	0.0063256	1
IC3	25.000	26.001	1.0013	4.0052	53.574	0.049473	1



Element Name:	Li
Element Wavelength:	Li 670.784 nm
Concentration Units:	ppm
Date of Calibration:	3/14/2014 10:44:11AM
Date of Fit:	3/14/2014 10:44:11AM
Type of Fit:	Linear
Correlation:	0.99998
A0 (Offset):	0.00028545
A1 (Gain):	1.1023
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

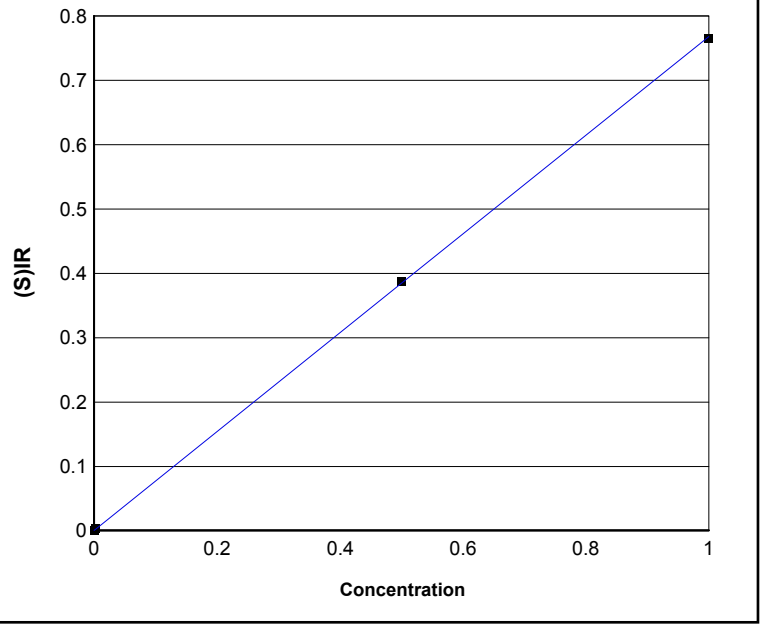
Standard Name	Stated	Found	Diff	% Diff	(S)IR	Stddev	Emphasis
IC1	0.00000	0.0000010205	0.0000010205	0.00000	0.00028657	0.000099852	1
IC2	0.030000	0.029022	-0.00097759	-3.2586	0.032277	0.00016463	1
IC3	0.50000	0.49759	-0.0024072	-0.48144	0.54878	0.0025064	1
IC4	1.0000	1.0034	0.0033848	0.33848	1.1063	0.0068346	1



Element Name:	Mg
Element Wavelength:	Mg 279.079 nm
Concentration Units:	ppm
Date of Calibration:	3/14/2014 10:44:11AM
Date of Fit:	3/14/2014 10:44:11AM
Type of Fit:	Linear
Correlation:	1.00000
A0 (Offset):	-0.000012975
A1 (Gain):	0.0092630
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

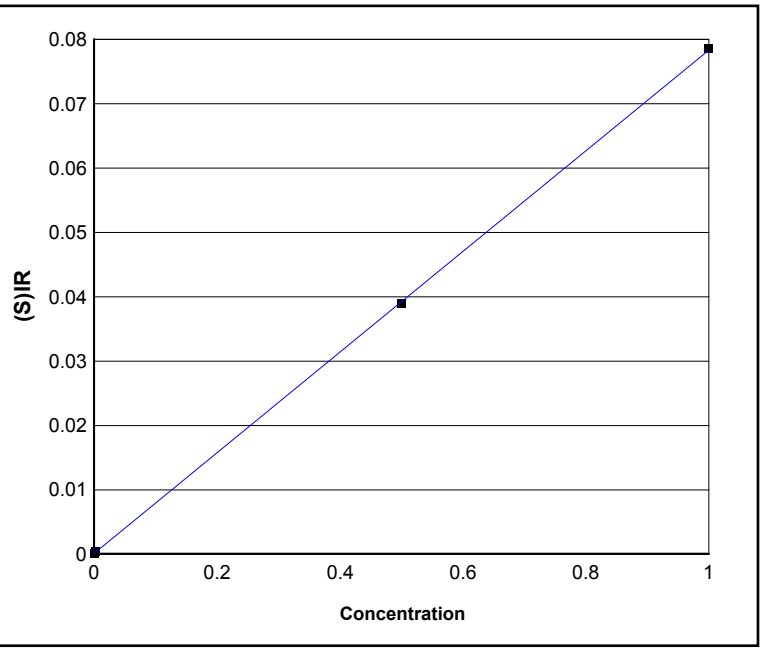
Standard Name	Stated	Found	Diff	% Diff	(S)IR	Stddev	Emphasis
IC1	0.00000	0.0000035702	-0.0000035702	0.00000	-0.000013008	0.000023727	1
IC4	50.000	49.937	-0.063106	-0.12621	0.46250	0.0013602	1
IC2	0.20000	0.20334	0.0033445	1.6723	0.0018704	0.000027461	1
IC3	25.000	25.060	0.059761	0.23904	0.23209	0.00020412	1



Element Name:	Mn
Element Wavelength:	Mn 257.610 nm
Concentration Units:	ppm
Date of Calibration:	3/14/2014 10:44:11AM
Date of Fit:	3/14/2014 10:44:11AM
Type of Fit:	Linear
Correlation:	0.99997
A0 (Offset):	0.00052780
A1 (Gain):	0.76800
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

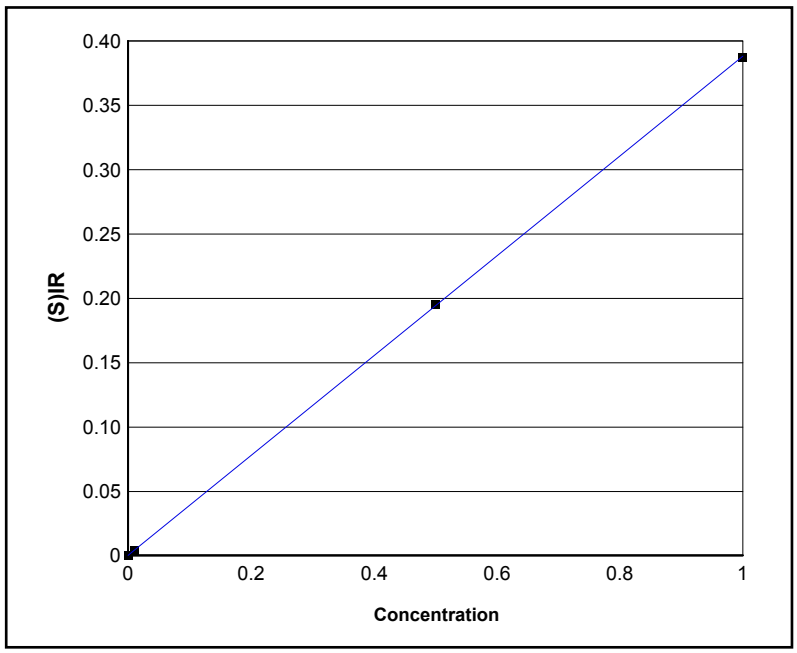
Standard Name	Stated	Found	Diff	% Diff	(S)IR	Stddev	Emphasis
IC1	0.00000	0.0000004634	-0.0000004634	0.00000	0.00052744	0.000015785	1
IC4	1.0000	0.99625	-0.0037526	-0.37526	0.76565	0.0028511	1
IC2	0.0030000	0.0034549	0.00045490	15.163	0.0031812	0.000023101	1
IC3	0.50000	0.50330	0.0032977	0.65953	0.38706	0.0011206	1



Element Name:	Mn
Element Wavelength:	Mn 257.610 nm
Concentration Units:	ppm
Date of Calibration:	3/14/2014 10:44:11AM
Date of Fit:	3/14/2014 10:44:11AM
Type of Fit:	Linear
Correlation:	0.99998
A0 (Offset):	0.000069779
A1 (Gain):	0.078273
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

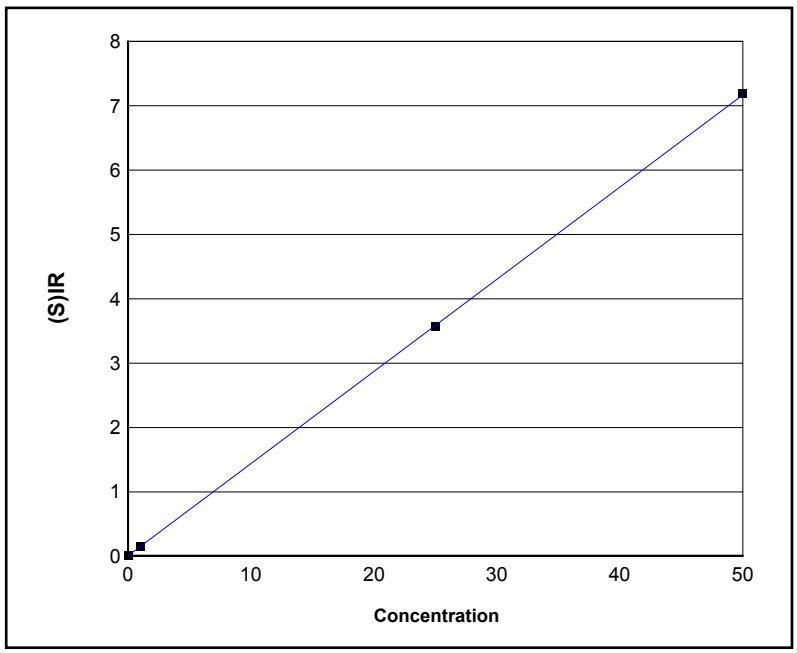
Standard Name	Stated	Found	Diff	% Diff	(S)IR	Stddev	Emphasis
IC1	0.00000	0.0000003448	-0.0000003448	0.00000	0.000069752	0.0000004750	1
IC4	1.0000	1.0029	0.0029006	0.29006	0.078569	0.00015875	1
IC2	0.0030000	0.0033556	0.00035563	11.854	0.00033243	0.0000062069	1
IC3	0.50000	0.49674	-0.0032562	-0.65124	0.038951	0.00016201	1



Element Name:	Mo
Element Wavelength:	Mo 202.030 nm
Concentration Units:	ppm
Date of Calibration:	3/14/2014 10:44:11AM
Date of Fit:	3/14/2014 10:44:11AM
Type of Fit:	Linear
Correlation:	0.99999
A0 (Offset):	0.000055787
A1 (Gain):	0.38831
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

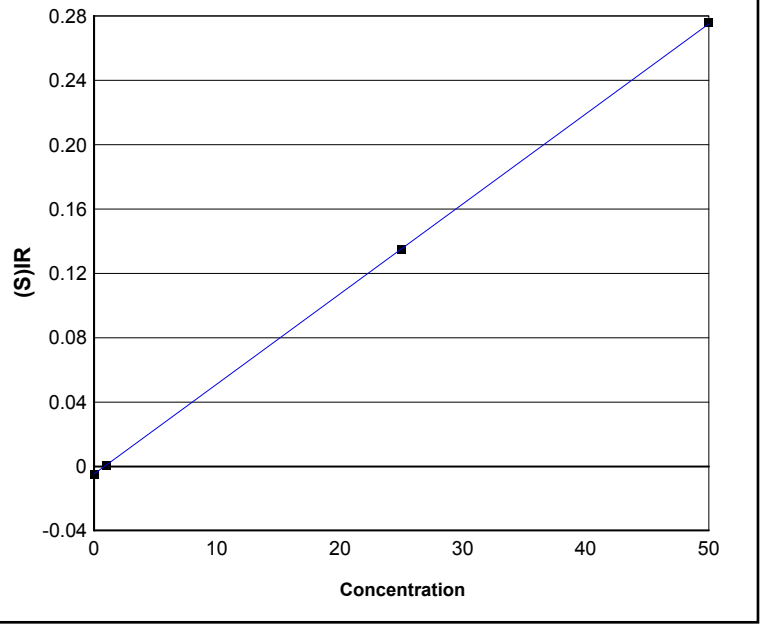
Standard Name	Stated	Found	Diff	% Diff	(S)IR	Stddev	Emphasis
IC1	0.00000	0.0000003920	-0.0000003920	0.00000	0.000055635	0.000076929	1
IC4	1.0000	0.99651	-0.0034890	-0.34890	0.38701	0.00011909	1
IC2	0.010000	0.010364	0.00036444	3.6444	0.0040804	0.000019046	1
IC3	0.50000	0.50312	0.0031245	0.62491	0.19543	0.00033366	1



Element Name:	Na
Element Wavelength:	Na 589.592 nm
Concentration Units:	ppm
Date of Calibration:	3/14/2014 10:44:11AM
Date of Fit:	3/14/2014 10:44:11AM
Type of Fit:	Linear
Correlation:	0.99999
A0 (Offset):	0.0029787
A1 (Gain):	0.14328
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

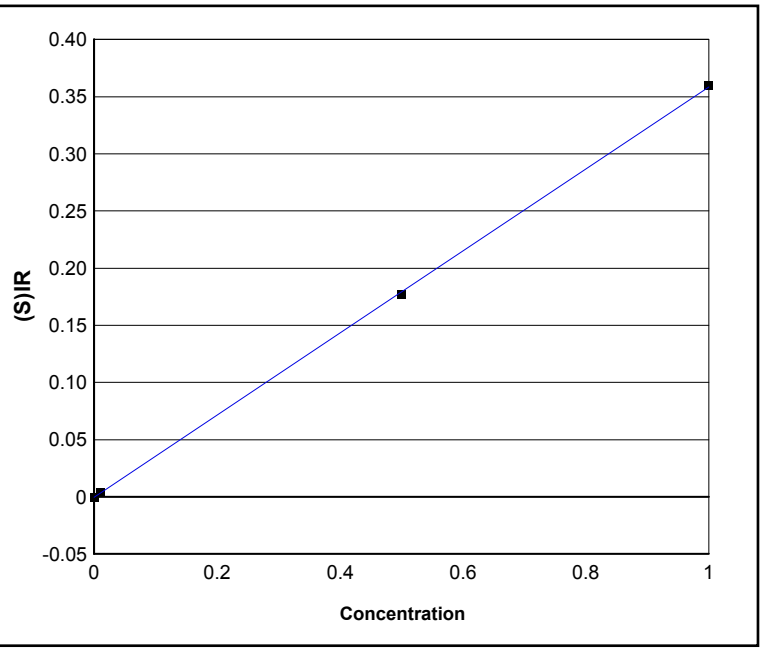
Standard Name	Stated	Found	Diff	% Diff	(S)IR	Stddev	Emphasis
IC1	0.00000	0.0000037112	-0.0000037112	0.00000	0.0029782	0.0011696	1
IC4	50.000	50.145	0.14533	0.29065	7.1880	0.039454	1
IC2	1.0000	1.0069	0.0068934	0.68934	0.14725	0.00048732	1
IC3	25.000	24.848	-0.15222	-0.60887	3.5633	0.014382	1



Element Name:	Na
Element Wavelength:	Na 818.326 nm
Concentration Units:	ppm
Date of Calibration:	3/14/2014 10:44:11AM
Date of Fit:	3/14/2014 10:44:11AM
Type of Fit:	Linear
Correlation:	0.99999
A0 (Offset):	-0.0048526
A1 (Gain):	0.0056029
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

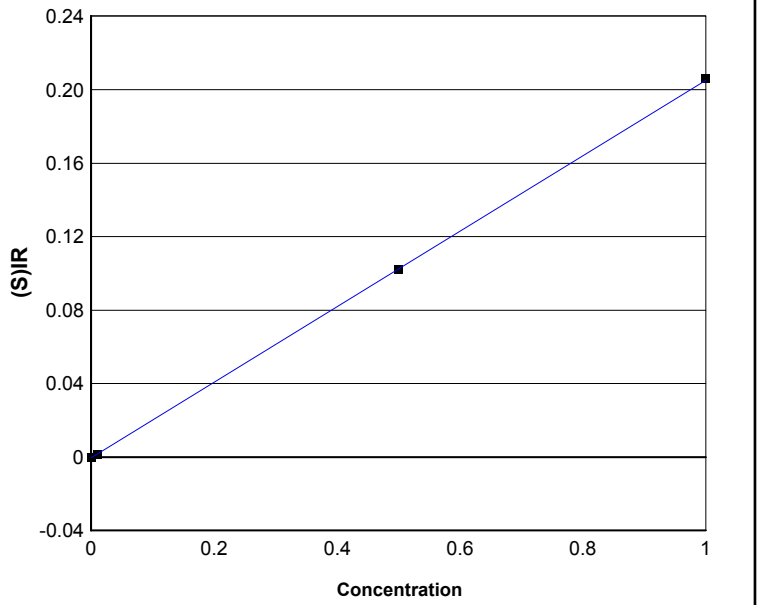
Standard Name	Stated	Found	Diff	% Diff	(S)IR	Stddev	Emphasis
IC1	0.00000	0.000027865	0.000027865	0.00000	-0.0048524	0.00038277	1
IC4	50.000	50.106	0.10565	0.21130	0.27589	0.000071743	1
IC2	1.0000	0.97318	-0.026825	-2.6825	0.00060003	0.00071602	1
IC3	25.000	24.921	-0.078828	-0.31531	0.13478	0.0016882	1



Element Name:	Ni
Element Wavelength:	Ni 231.604 nm
Concentration Units:	ppm
Date of Calibration:	3/14/2014 10:44:11AM
Date of Fit:	3/14/2014 10:44:11AM
Type of Fit:	Linear
Correlation:	0.99992
A0 (Offset):	-0.00033158
A1 (Gain):	0.35894
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

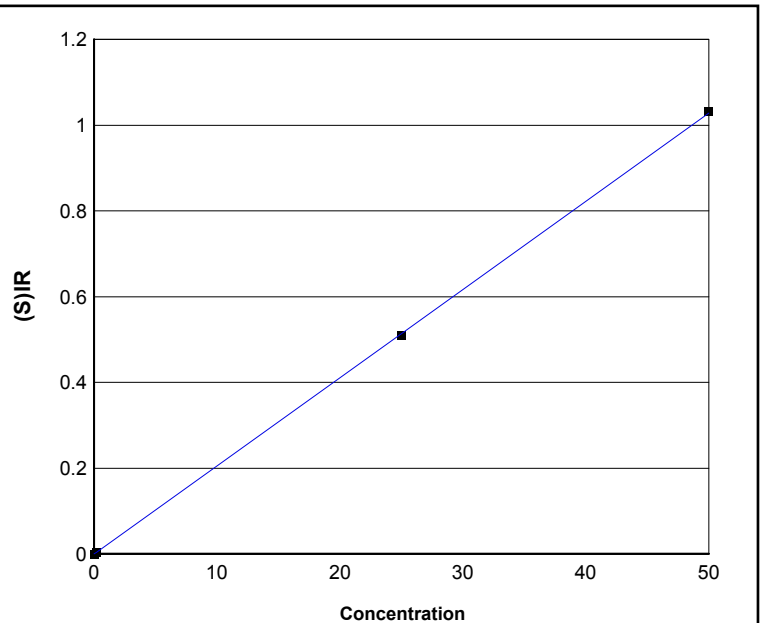
Standard Name	Stated	Found	Diff	% Diff	(S)IR	Stddev	Emphasis
IC1	0.00000	0.0000012158	-0.0000012158	0.00000	-0.00033201	0.000012021	1
IC4	1.0000	1.0037	0.0037401	0.37401	0.35996	0.0012096	1
IC2	0.010000	0.011279	0.0012787	12.787	0.0037169	0.00015729	1
IC3	0.50000	0.49498	-0.0050188	-1.0038	0.17734	0.00022297	1



Element Name:	Pb
Element Wavelength:	Pb 220.353 nm
Concentration Units:	ppm
Date of Calibration:	3/14/2014 10:44:11AM
Date of Fit:	3/14/2014 10:44:11AM
Type of Fit:	Linear
Correlation:	1.00000
A0 (Offset):	-0.00037980
A1 (Gain):	0.20537
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

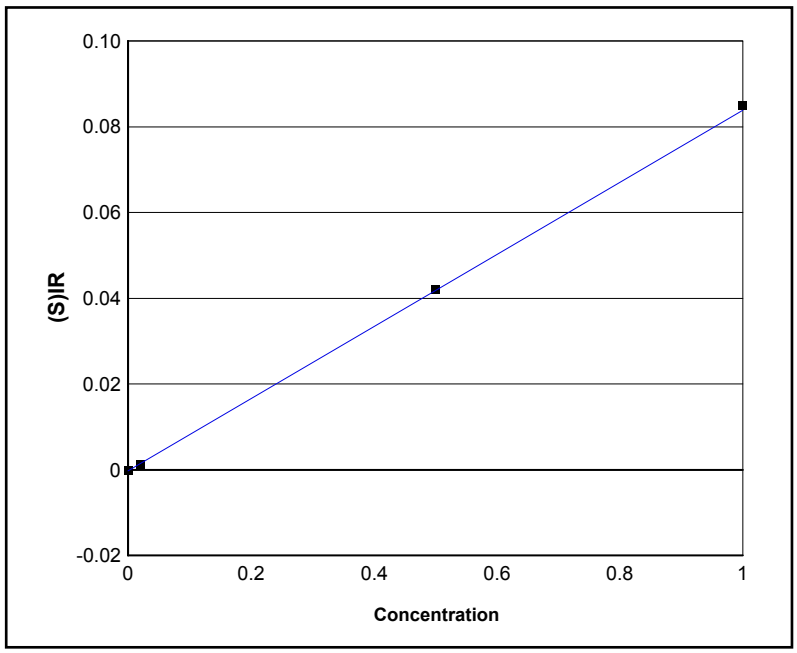
Standard Name	Stated	Found	Diff	% Diff	(S)IR	Stddev	Emphasis
IC1	0.00000	0.0000001655	0.0000001655	0.00000	-0.00037976	0.00020444	1
IC4	1.0000	1.0015	0.0015414	0.15414	0.20593	0.00036032	1
IC2	0.010000	0.0098468	-0.00015317	-1.5317	0.0016468	0.00015413	1
IC3	0.50000	0.49861	-0.0013884	-0.27768	0.10233	0.000017959	1



Element Name:	S
Element Wavelength:	S 182.034 nm
Concentration Units:	ppm
Date of Calibration:	3/14/2014 10:44:11AM
Date of Fit:	3/14/2014 10:44:11AM
Type of Fit:	Linear
Correlation:	1.0000
A0 (Offset):	0.00003706
A1 (Gain):	0.02056
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

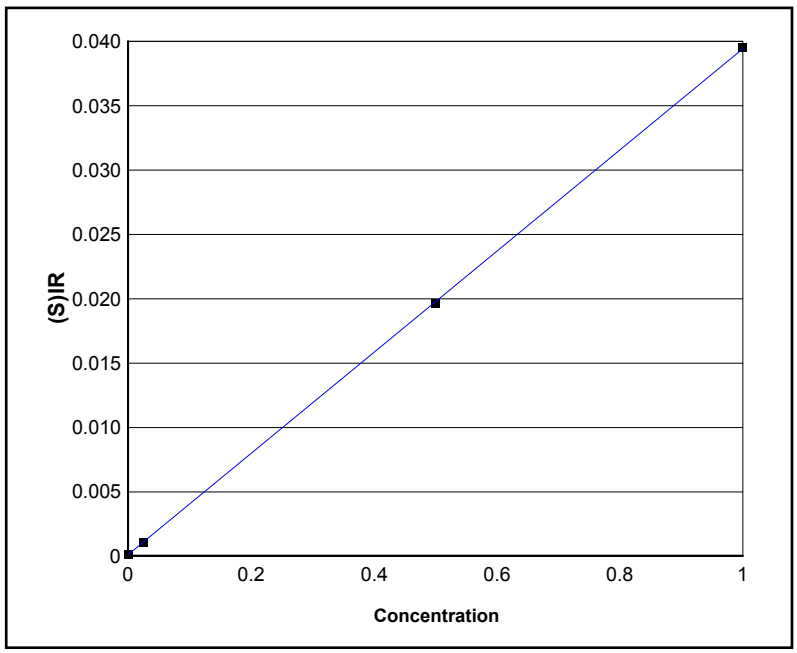
Standard Name	Stated	Found	Diff	% Diff	(S)IR	Stddev	Emphasis
IC1	0.0000	0.000002055	0.000002055	0.0000	0.00003710	0.00003266	1
IC2	0.2000	0.1986	-0.001375	-0.6874	0.004121	0.00002829	1
IC3	25.00	24.83	-0.1715	-0.6861	0.5106	0.0007981	1
IC4	50.00	50.17	0.1729	0.3458	1.032	0.004314	1



Element Name:	Sb
Element Wavelength:	Sb 206.833 nm
Concentration Units:	ppm
Date of Calibration:	3/14/2014 10:44:11AM
Date of Fit:	3/14/2014 10:44:11AM
Type of Fit:	Linear
Correlation:	0.99987
A0 (Offset):	-0.00023302
A1 (Gain):	0.084088
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

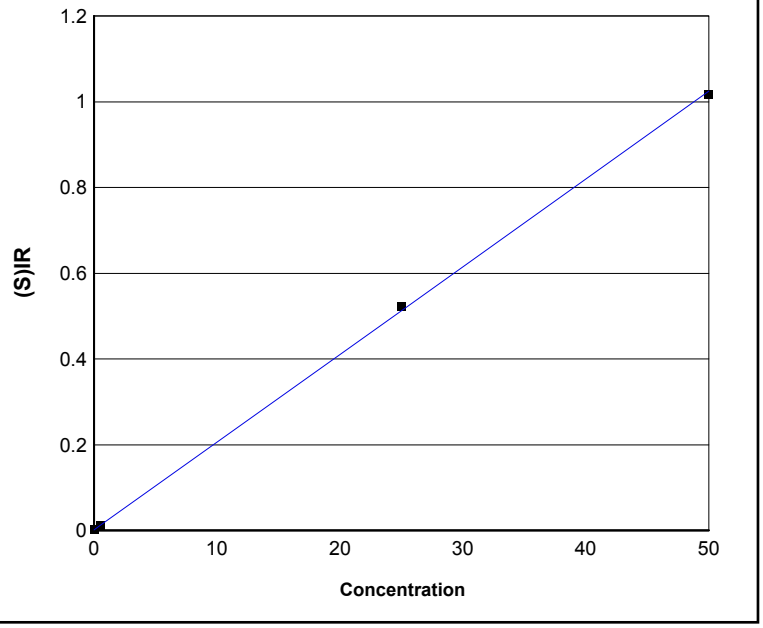
Standard Name	Stated	Found	Diff	% Diff	(S)IR	Stddev	Emphasis
IC1	0.00000	0.0000026821	0.0000026821	0.00000	-0.00023279	0.000031895	1
IC4	1.0000	1.0043	0.0042704	0.42704	0.085019	0.00015266	1
IC2	0.020000	0.017296	-0.0027040	-13.520	0.0012246	0.000048406	1
IC3	0.50000	0.49841	-0.0015869	-0.31737	0.042080	0.00010248	1



Element Name:	Se
Element Wavelength:	Se 196.090 nm
Concentration Units:	ppm
Date of Calibration:	3/14/2014 10:44:11AM
Date of Fit:	3/14/2014 10:44:11AM
Type of Fit:	Linear
Correlation:	1.00000
A0 (Offset):	0.000089366
A1 (Gain):	0.039363
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

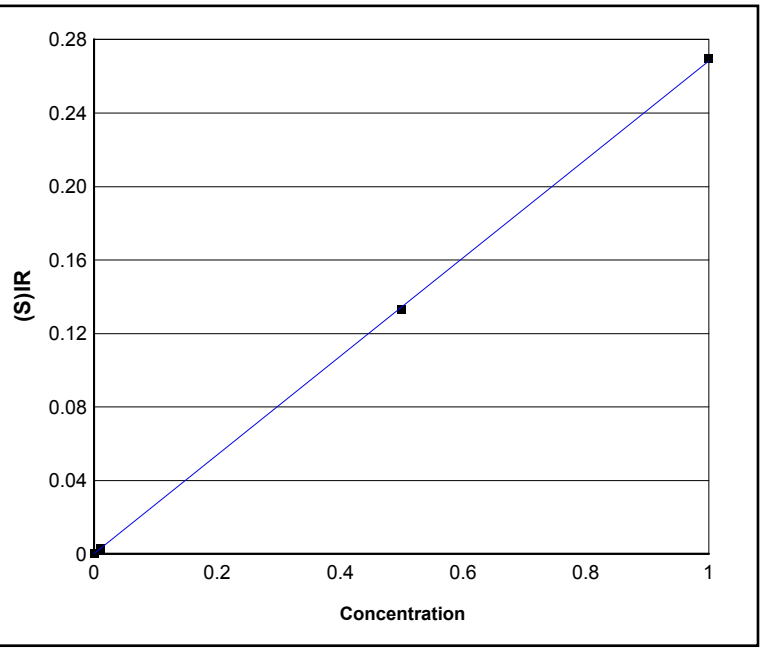
Standard Name	Stated	Found	Diff	% Diff	(S)IR	Stddev	Emphasis
IC1	0.00000	0.0000001152	0.0000001152	0.00000	0.000089371	0.000012036	1
IC4	1.0000	1.0022	0.0021957	0.21957	0.039520	0.000086645	1
IC2	0.025000	0.024936	-0.000063520	-0.25408	0.0010709	0.000026719	1
IC3	0.50000	0.49787	-0.0021322	-0.42644	0.019677	0.000064013	1



Element Name:	Si
Element Wavelength:	Si 288.158 nm
Concentration Units:	ppm
Date of Calibration:	3/14/2014 10:44:11AM
Date of Fit:	3/14/2014 10:44:11AM
Type of Fit:	Linear
Correlation:	0.99993
A0 (Offset):	0.0015394
A1 (Gain):	0.020471
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

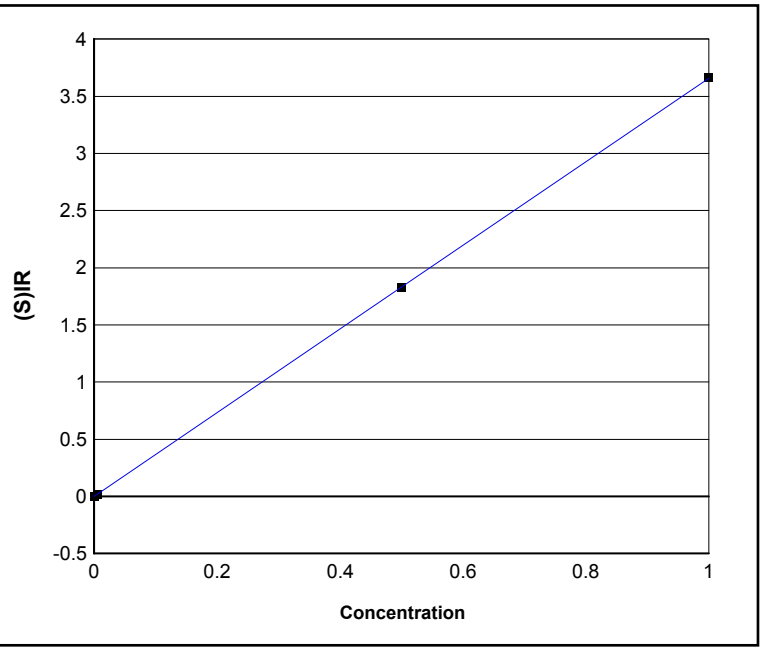
Standard Name	Stated	Found	Diff	% Diff	(S)IR	Stddev	Emphasis
IC1	0.00000	0.0000042648	-0.0000042648	0.00000	0.0015393	0.000043251	1
IC2	0.50000	0.50013	0.00013134	0.026268	0.011778	0.00015497	1
IC3	25.000	25.413	0.41348	1.6539	0.52179	0.0029380	1
IC4	50.000	49.586	-0.41361	-0.82722	1.0166	0.0080213	1



Element Name:	Sn
Element Wavelength:	Sn 189.989 nm
Concentration Units:	ppm
Date of Calibration:	3/14/2014 10:44:11AM
Date of Fit:	3/14/2014 10:44:11AM
Type of Fit:	Linear
Correlation:	0.99997
A0 (Offset):	0.00013056
A1 (Gain):	0.26827
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

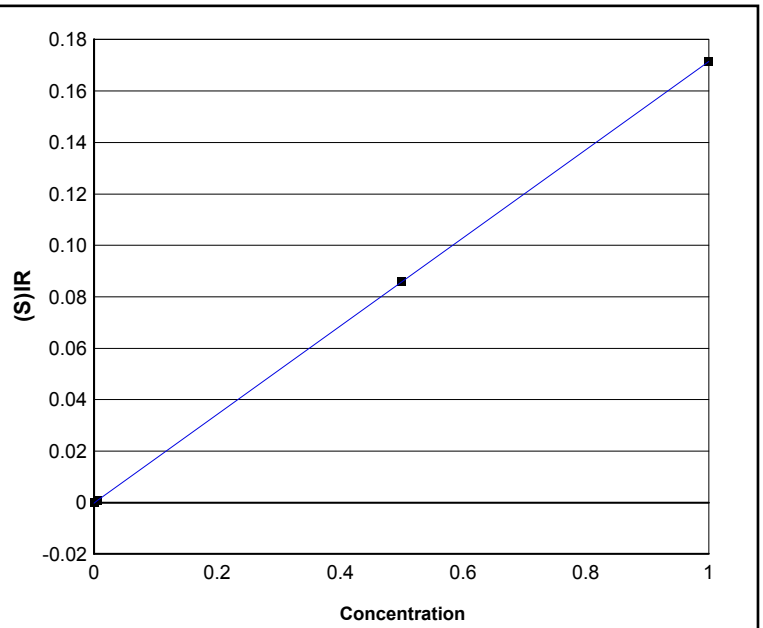
Standard Name	Stated	Found	Diff	% Diff	(S)IR	Stddev	Emphasis
IC1	0.00000	0.0000003013	-0.0000003013	0.00000	0.00013047	0.000029439	1
IC4	1.0000	1.0047	0.0046962	0.46962	0.26966	0.000029939	1
IC2	0.010000	0.010355	0.00035540	3.5540	0.0029086	0.0000057530	1
IC3	0.50000	0.49495	-0.0050516	-1.0103	0.13291	0.000059713	1



Element Name:	Sr
Element Wavelength:	Sr 407.771 nm
Concentration Units:	ppm
Date of Calibration:	3/14/2014 10:44:11AM
Date of Fit:	3/14/2014 10:44:11AM
Type of Fit:	Linear
Correlation:	1.00000
A0 (Offset):	-0.0012290
A1 (Gain):	3.6611
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

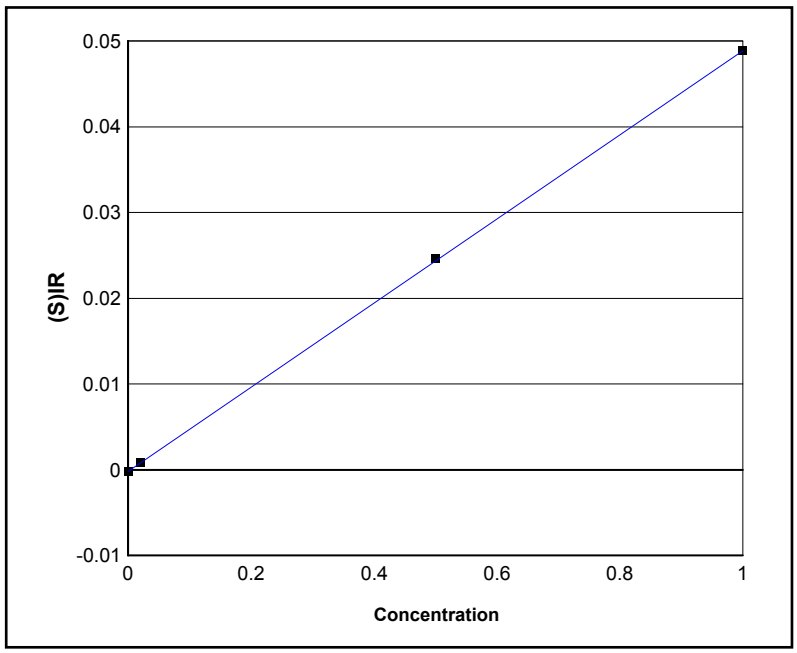
Standard Name	Stated	Found	Diff	% Diff	(S)IR	Stddev	Emphasis
IC1	0.00000	0.0000000368	0.0000000368	0.00000	-0.0012289	0.0000067739	1
IC2	0.0050000	0.0049692	-0.000030794	-0.61587	0.016964	0.000046963	1
IC3	0.50000	0.49876	-0.0012388	-0.24776	1.8248	0.0074320	1
IC4	1.0000	1.0013	0.0012696	0.12696	3.6645	0.017797	1



Element Name:	Ti
Element Wavelength:	Ti 334.904 nm
Concentration Units:	ppm
Date of Calibration:	3/14/2014 10:44:11AM
Date of Fit:	3/14/2014 10:44:11AM
Type of Fit:	Linear
Correlation:	1.00000
A0 (Offset):	-0.00015751
A1 (Gain):	0.17171
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

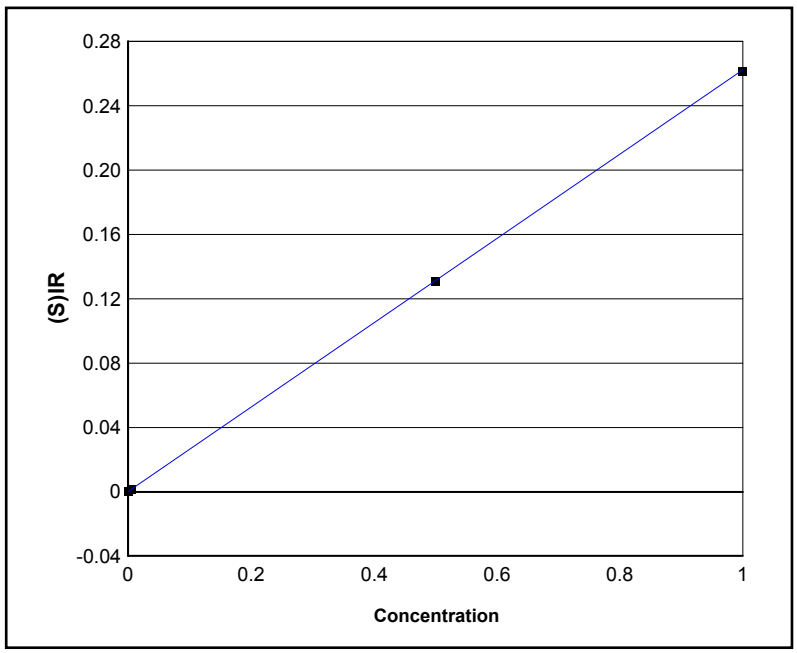
Standard Name	Stated	Found	Diff	% Diff	(S)IR	Stddev	Emphasis
IC1	0.00000	0.0000000617	-0.0000000617	0.00000	-0.00015752	0.0000091426	1
IC4	1.0000	0.99814	-0.0018632	-0.18632	0.17127	0.00035487	1
IC2	0.0050000	0.0050529	0.000052869	1.0574	0.00071026	0.0000023404	1
IC3	0.50000	0.50181	0.0018103	0.36207	0.086026	0.0000020463	1



Element Name:	Tl
Element Wavelength:	Tl 190.856 nm
Concentration Units:	ppm
Date of Calibration:	3/14/2014 10:44:11AM
Date of Fit:	3/14/2014 10:44:11AM
Type of Fit:	Linear
Correlation:	0.99999
A0 (Offset):	-0.00016148
A1 (Gain):	0.049017
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

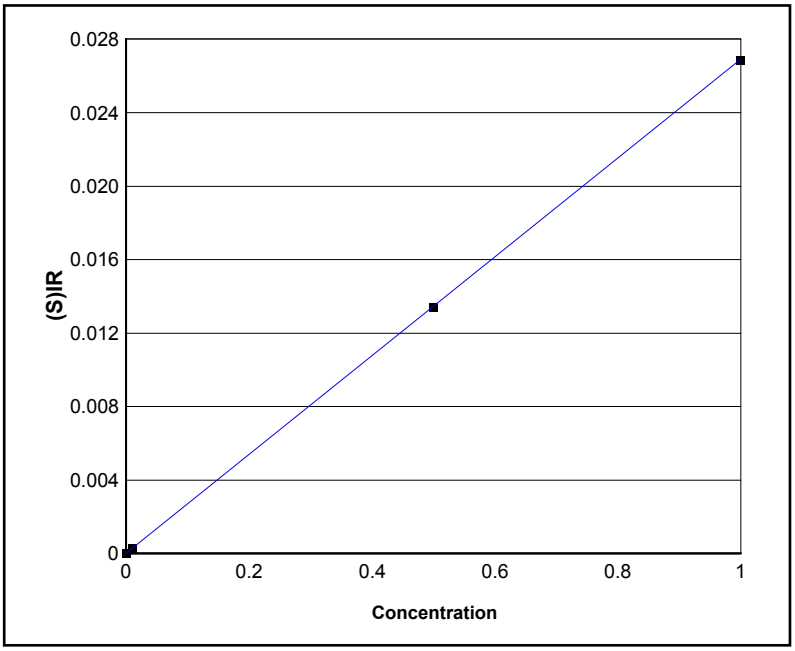
Standard Name	Stated	Found	Diff	% Diff	(S)IR	Stddev	Emphasis
IC1	0.00000	0.0000004921	-0.0000004921	0.00000	-0.00016151	0.000051619	1
IC4	1.0000	0.99648	-0.0035153	-0.35153	0.048884	0.00010453	1
IC2	0.020000	0.020439	0.00043934	2.1967	0.00084113	0.00010678	1
IC3	0.50000	0.50308	0.0030775	0.61549	0.024598	0.00013323	1



Element Name:	V
Element Wavelength:	V 292.402 nm
Concentration Units:	ppm
Date of Calibration:	3/14/2014 10:44:11AM
Date of Fit:	3/14/2014 10:44:11AM
Type of Fit:	Linear
Correlation:	1.00000
A0 (Offset):	-0.000012753
A1 (Gain):	0.26230
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	0.0000000223	0.0000000223	0.00000	-0.000012748	0.0000030337	1
IC4	1.0000	1.0005	0.00045414	0.045414	0.26145	0.0011291	1
IC2	0.0050000	0.0049798	-0.000020243	-0.40486	0.0012821	0.000032834	1
IC3	0.50000	0.49957	-0.00043399	-0.086799	0.13054	0.00083887	1



Element Name:	Zn
Element Wavelength:	Zn 206.200 nm
Concentration Units:	ppm
Date of Calibration:	3/14/2014 10:44:11AM
Date of Fit:	3/14/2014 10:44:11AM
Type of Fit:	Linear
Correlation:	0.99997
A0 (Offset):	0.0000028375
A1 (Gain):	0.026902
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	0.0000008156	-0.0000008156	0.00000	0.0000028156	0.0000056986	1
IC4	1.0000	1.0007	0.00070978	0.070978	0.026868	0.000095260	1
IC2	0.010000	0.010839	0.00083949	8.3949	0.00029421	0.0000080695	1
IC3	0.50000	0.49845	-0.0015503	-0.31006	0.013384	0.000012264	1

Sample Name: IC1 Acquired: 3/14/2014 10:33:08 Type: Cal
Method: ICAP1 New RLs at low cal point Mode: IR Corr. Factor: 1.000000
User: AMH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	B_2089	Ba4554	Ba4554-2	Be3130	Ca3179	Cd2288	Co2286	Cr2677	Cu3247
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**.00002**	**.00082**	**.00004**	**.00064**	**.00055**	**.00074**	**-.00002**	**.00353**	**.00118**	**-.00042**	**.00001**	**.00203**
Stddev	.00008	.00014	.00010	.00009	.00016	.00011	.00002	.00028	.00010	.00023	.00002	.00002
%RSD	348.56	17.663	267.61	14.367	28.658	15.012	109.14	8.0157	8.7540	56.430	149.78	1.1466
#1	.00008	.00072	-.00003	.00070	.00044	.00067	-.00000	.00373	.00110	-.00058	-.00000	.00201
#2	-.00004	.00092	.00011	.00057	.00067	.00082	-.00004	.00333	.00125	-.00025	.00003	.00205

Elem	Fe2599	Fe2714	K_7664	K_7664-2	Li6707	Mg2790	Mn2576	Mn2576-2	Mo2020	Na5895	Na8183	Ni2316
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	**.00005**	**.00016**	**.00305**	**.00146**	**.00029**	**-.00001**	**.00053**	**.00007**	**.00006**	**.00298**	**-.00485**	**-.00033**
Stddev	.00008	.00018	.00022	.00056	.00010	.00002	.00002	.00000	.00008	.00117	.00038	.00001
%RSD	143.94	113.71	7.2251	37.976	34.844	182.41	2.9927	.68101	138.27	39.273	7.8883	3.6208
#1	.00011	.00003	.00289	.00107	.00022	.00000	.00054	.00007	.00000	.00215	-.00512	-.00034
#2	-.00000	.00029	.00320	.00186	.00036	-.00003	.00052	.00007	.00011	.00381	-.00458	-.00032

Elem	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
Avg	**-.00038**	**.0000**	**-.00023**	**.00009**	**.00154**	**.00013**	**-.00123**	**-.00016**	**-.00016**	**-.00001**	**.00000**
Stddev	.00020	.0000	.00003	.00001	.00004	.00003	.00001	.00001	.00005	.00000	.00001
%RSD	53.834	88.04	13.701	13.467	2.8097	22.563	.55122	5.8041	31.961	23.798	202.39
#1	-.00024	.0001	-.00026	.00010	.00157	.00015	-.00122	-.00016	-.00020	-.00001	-.00000
#2	-.00052	.0000	-.00021	.00008	.00151	.00011	-.00123	-.00015	-.00013	-.00001	.00001

Int. Std.	In2306	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**3393.1**	**4697.2**	**70495.**	**14448.**
Stddev	.7	1.0	6.	20.
%RSD	.01929	.02130	.00863	.13973
#1	3392.6	4697.9	70499.	14433.
#2	3393.5	4696.5	70490.	14462.

Sample Name: IC2 Acquired: 3/14/2014 10:35:58 Type: Cal
Method: ICAP1 New RLs at low cal point Mode: IR Corr. Factor: 1.000000
User: AMH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	B_2089	Ba4554	Ba4554-2	Be3130	Ca3179	Cd2288	Co2286	Cr2677	Cu3247
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**.00075**	**.00556**	**.00075**	**.00728**	**.01091**	**.01708**	**.00705**	**.05887**	**.00493**	**.00631**	**.00032**	**.00538**
Stddev	.00005	.00004	.00008	.00000	.00013	.00005	.00026	.00007	.00009	.00008	.00001	.00001
%RSD	6.9610	.76176	10.262	.06342	1.1869	.29266	3.7372	.11494	1.7455	1.3073	2.6780	.10278
#1	.00071	.00559	.00081	.00728	.01082	.01711	.00686	.05882	.00499	.00625	.00032	.00538
#2	.00079	.00553	.00070	.00729	.01100	.01704	.00723	.05891	.00487	.00636	.00033	.00539

Elem	Fe2599	Fe2714	K_7664	K_7664-2	Li6707	Mg2790	Mn2576	Mn2576-2	Mo2020	Na5895	Na8183	Ni2316
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	**.00253**	**.00032**	**.01556**	**.88748**	**.03228**	**.00187**	**.00318**	**.00033**	**.00408**	**.14725**	**.00060**	**.00372**
Stddev	.00008	.00013	.00071	.00633	.00016	.00003	.00002	.00001	.00002	.00049	.00072	.00016
%RSD	3.2072	40.982	4.5468	.71276	.51005	1.4681	.72617	1.8671	.46677	.33095	119.33	4.2318
#1	.00247	.00023	.01606	.88301	.03216	.00189	.00316	.00034	.00409	.14691	.00111	.00383
#2	.00259	.00041	.01506	.89196	.03239	.00185	.00320	.00033	.00407	.14760	.00009	.00361

Elem	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
Avg	**.00165**	**.0041**	**.00122**	**.00107**	**.01178**	**.00291**	**.01696**	**.00071**	**.00084**	**.00128**	**.00029**
Stddev	.00015	.0000	.00005	.00003	.00015	.00001	.00005	.00000	.00011	.00003	.00001
%RSD	9.3591	.6866	3.9528	2.4951	1.3158	.19779	.27685	.32951	12.695	2.5609	2.7427
#1	.00176	.0041	.00126	.00105	.01167	.00290	.01700	.00071	.00077	.00126	.00030
#2	.00154	.0041	.00119	.00109	.01189	.00291	.01693	.00071	.00092	.00131	.00029

Int. Std.	In2306	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**3394.0**	**4731.2**	**70861.**	**14463.**
Stddev	4.9	4.2	6.	63.
%RSD	.14506	.08775	.00787	.43817
#1	3397.5	4734.2	70865.	14507.
#2	3390.5	4728.3	70857.	14418.

Sample Name: IC3 Acquired: 3/14/2014 10:38:49 Type: Cal
Method: ICAP1 New RLs at low cal point Mode: IR Corr. Factor: 1.000000
User: AMH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	B_2089	Ba4554	Ba4554-2	Be3130	Ca3179	Cd2288	Co2286	Cr2677	Cu3247
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**.06812**	**.50193**	**.02561**	**.17070**	**2.2674**	**3.5477**	**1.6912**	**2.7294**	**.89417**	**.86256**	**.04435**	**.16722**
Stddev	.00006	.00024	.00008	.00028	.0053	.0150	.0031	.0080	.00184	.00032	.00033	.00100
%RSD	.08263	.04831	.29622	.16429	.23362	.42318	.18501	.29391	.20588	.03735	.75462	.59597
#1	.06808	.50210	.02555	.17090	2.2711	3.5371	1.6934	2.7350	.89547	.86233	.04411	.16652
#2	.06816	.50176	.02566	.17050	2.2636	3.5583	1.6890	2.7237	.89287	.86278	.04458	.16793

Elem	Fe2599	Fe2714	K_7664	K_7664-2	Li6707	Mg2790	Mn2576	Mn2576-2	Mo2020	Na5895	Na8183	Ni2316
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	**1.2374**	**.09817**	**.65789**	**53.574**	**.54878**	**.23209**	**.38706**	**.03895**	**.19543**	**3.5633**	**.13478**	**.17734**
Stddev	.0013	.00037	.00251	.049	.00251	.00020	.00112	.00016	.00033	.0144	.00169	.00022
%RSD	.10083	.37652	.38121	.09235	.45672	.08795	.28952	.41594	.17073	.40362	1.2525	.12573
#1	1.2382	.09844	.65967	53.609	.55055	.23194	.38627	.03884	.19566	3.5734	.13597	.17750
#2	1.2365	.09791	.65612	53.539	.54701	.23223	.38785	.03907	.19519	3.5531	.13359	.17718

Elem	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
Avg	**.10233**	**.5106**	**.04208**	**.01968**	**.52179**	**.13291**	**1.8248**	**.08603**	**.02460**	**.13054**	**.01338**
Stddev	.00002	.0008	.00010	.00006	.00294	.00006	.0074	.00000	.00013	.00084	.00001
%RSD	.01755	.1563	.24353	.32531	.56307	.04493	.40729	.00238	.54161	.64259	.09163
#1	.10234	.5100	.04201	.01963	.51971	.13295	1.8300	.08602	.02469	.12995	.01338
#2	.10232	.5111	.04215	.01972	.52386	.13287	1.8195	.08603	.02450	.13114	.01339

Int. Std.	In2306	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**3034.4**	**4542.0**	**67135.**	**14197.**
Stddev	2.6	9.2	212.	20.
%RSD	.08526	.20347	.31617	.14406
#1	3032.6	4535.5	67285.	14183.
#2	3036.3	4548.5	66985.	14212.

Sample Name: IC4 Acquired: 3/14/2014 10:41:30 Type: Cal
Method: ICAP1 New RLs at low cal point Mode: IR Corr. Factor: 1.000000
User: AMH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	B_2089	Ba4554	Ba4554-2	Be3130	Ca3179	Cd2288	Co2286	Cr2677	Cu3247
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**.13756**	**1.0079**	**.05190**	**.34018**	**4.5195**	**6.9090**	**3.3475**	**5.4398**	**1.7922**	**1.7475**	**.08829**	**.33316**
Stddev	.00021	.0060	.00002	.00008	.0133	.0187	.0015	.0140	.0024	.0021	.00054	.00115
%RSD	.15001	.59400	.04567	.02393	.29451	.27116	.04626	.25758	.13088	.12166	.60687	.34499
#1	.13770	1.0037	.05192	.34023	4.5101	6.9222	3.3486	5.4299	1.7939	1.7490	.08867	.33397
#2	.13741	1.0121	.05189	.34012	4.5289	6.8957	3.3464	5.4498	1.7906	1.7460	.08791	.33235

Elem	Fe2599	Fe2714	K_7664	K_7664-2	Li6707	Mg2790	Mn2576	Mn2576-2	Mo2020	Na5895	Na8183	Ni2316
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	**2.4499**	**.19595**	**1.3261**	**101.10**	**1.1063**	**.46250**	**.76565**	**.07857**	**.38701**	**7.1880**	**.27589**	**.35996**
Stddev	.0002	.00096	.0060	1.15	.0068	.00136	.00285	.00016	.00012	.0394	.00007	.00121
%RSD	.00893	.48875	.45119	1.1355	.61778	.29410	.37238	.20205	.03077	.54889	.02600	.33605
#1	2.4501	.19527	1.3218	100.29	1.1015	.46346	.76766	.07868	.38693	7.1601	.27583	.35910
#2	2.4498	.19663	1.3303	101.91	1.1111	.46153	.76363	.07846	.38710	7.2159	.27594	.36081

Elem	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
Avg	**.20593**	**1.032**	**.08502**	**.03952**	**1.0166**	**.26966**	**3.6645**	**.17127**	**.04888**	**.26145**	**.02687**
Stddev	.00036	.004	.00015	.00009	.0080	.00003	.0178	.00035	.00010	.00113	.00010
%RSD	.17497	.4182	.17957	.21924	.78900	.01110	.48566	.20720	.21384	.43186	.35455
#1	.20619	1.029	.08491	.03958	1.0110	.26964	3.6519	.17152	.04881	.26225	.02693
#2	.20568	1.035	.08513	.03946	1.0223	.26969	3.6771	.17102	.04896	.26065	.02680

Int. Std.	In2306	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**2869.4**	**4438.6**	**65412.**	**14041.**
Stddev	4.0	1.5	164.	17.
%RSD	.14039	.03457	.25139	.11953
#1	2872.3	4439.7	65296.	14053.
#2	2866.6	4437.5	65529.	14029.

Sample Name: ICV-1929659 Acquired: 3/14/2014 10:44:15 Type: QC
Method: ICAP1 New RLs at low cal point Mode: CONC Corr. Factor: 1.000000
User: AMH 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	**.37338**	**19.092**	**.38696**	**.37697**	**.39057**	**.38691**	**18.712**	**.37833**	**.37493**	**.38106**	**.38165**	**19.143**
Stddev	.00185	.059	.00236	.00017	.00001	.00142	.059	.00001	.00057	.00004	.00024	.002
%RSD	.49546	.30744	.61101	.04472	.00228	.36799	.31264	.00221	.15153	.01066	.06360	.01120
#1	.37207	19.050	.38864	.37709	.39058	.38792	18.670	.37834	.37453	.38103	.38182	19.145
#2	.37468	19.133	.38529	.37685	.39056	.38591	18.753	.37833	.37534	.38108	.38147	19.142
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value												
Range												

Elem	K_7664	K_7664-2	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203	S_1820	Sb2068	Se1960
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**18.857**	**18.527**	**.37918**	**19.065**	**.38715**	**.38328**	**18.610**	**.37794**	**.37710**	**18.89**	**.38365**	**.37923**
Stddev	.079	.255	.00216	.035	.00080	.00022	.052	.00091	.00033	.03	.00200	.00054
%RSD	.41777	1.3785	.57004	.18521	.20791	.05783	.27795	.23978	.08783	.1447	.52041	.14333
#1	18.912	18.708	.37766	19.090	.38659	.38312	18.574	.37858	.37686	18.91	.38223	.37962
#2	18.801	18.347	.38071	19.040	.38772	.38344	18.647	.37730	.37733	18.87	.38506	.37885
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	**19.014**	**.38792**	**.37815**	**.37997**	**.37754**	**.37586**	**.37753**
Stddev	.192	.00009	.00015	.00063	.00133	.00007	.00088
%RSD	1.0085	.02199	.03879	.16514	.35161	.01733	.23406
#1	18.878	.38786	.37804	.38041	.37661	.37591	.37815
#2	19.149	.38798	.37825	.37952	.37848	.37581	.37690
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	**3036.5**	**4500.6**	**66701.**	**14098.**
Stddev	.8	2.9	69.	26.
%RSD	.02710	.06443	.10323	.18208
#1	3035.9	4498.5	66653.	14116.
#2	3037.1	4502.6	66750.	14080.

Sample Name: ICB-1929749 Acquired: 3/14/2014 10:46:58 Type: QC
Method: ICAP1 New RLs at low cal point Mode: CONC Corr. Factor: 1.000000
User: AMH 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	**-.00068**	**.00126**	**-.00041**	**.00079**	**.00028**	**.00004**	**-.00046**	**.00004**	**.00001**	**-.00022**	**-.00010**	**.00035**
Stddev	.00023	.00392	.00136	.00003	.00000	.00003	.00234	.00000	.00002	.00004	.00005	.00081
%RSD	33.457	311.49	332.26	3.2324	.54674	83.361	505.81	1.4018	145.71	17.582	47.408	229.90
#1	-.00084	-.00151	-.00137	.00081	.00028	.00006	.00119	.00004	.00003	-.00025	-.00006	.00093
#2	-.00052	.00403	.00055	.00077	.00028	.00002	-.00211	.00003	-.00000	-.00019	-.00013	-.00022
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	**.02560**	**.00196**	**.00008**	**-.00148**	**.00002**	**.00028**	**-.00049**	**-.00022**	**.00095**	**.0048**	**-.00099**	**-.00080**
Stddev	.00614	.00021	.00008	.00213	.00002	.00014	.00026	.00002	.00040	.0029	.00189	.00096
%RSD	23.967	10.813	104.14	143.76	73.292	50.776	53.247	10.704	42.533	61.12	192.04	121.12
#1	.02994	.00211	.00014	-.00299	.00003	.00018	-.00067	-.00024	.00124	.0068	-.00232	-.00011
#2	.02126	.00181	.00002	.00002	.00001	.00038	-.00030	-.00020	.00066	.0027	.00035	-.00148
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	Si2881	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.02167**	**.00004**	**-.00001**	**.00016**	**.00253**	**.00009**	**.00030**
Stddev	.01283	.00002	.00008	.00009	.00021	.00018	.00012
%RSD	59.197	49.356	1472.2	57.687	8.3342	195.40	39.592
#1	.01260	.00003	.00005	.00009	.00238	.00022	.00039
#2	.03074	.00006	-.00006	.00023	.00267	-.00004	.00022
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	**3313.9**	**4615.4**	**68725.**	**14030.**
Stddev	2.3	.0	123.	42.
%RSD	.06843	.00068	.17866	.29759
#1	3312.3	4615.4	68812.	14059.
#2	3315.5	4615.5	68638.	14000.

Sample Name: CCVL-1925066 Acquired: 3/14/2014 10:49:48 Type: QC
Method: ICAP1 New RLs at low cal point Mode: CONC Corr. Factor: 1.000000
User: AMH 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	**.00539**	**.21262**	**.01387**	**.02041**	**.00225**	**.00224**	**.50986**	**.00202**	**.00400**	**.00361**	**.01007**	**.05411**
Stddev	.00030	.00710	.00022	.00002	.00001	.00010	.00434	.00010	.00009	.00036	.00007	.00236
%RSD	5.4956	3.3413	1.5852	.10147	.55876	4.6456	.85218	5.0517	2.1989	9.9896	.66900	4.3652
#1	.00560	.21765	.01402	.02042	.00224	.00231	.51294	.00194	.00406	.00336	.01003	.05578
#2	.00518	.20760	.01371	.02039	.00226	.00217	.50679	.00209	.00393	.00387	.01012	.05244
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	**.49066**	**.42352**	**.02978**	**.20880**	**.00349**	**.01036**	**1.0180**	**.01100**	**.01009**	**.1986**	**.01824**	**.02400**
Stddev	.02728	.00015	.00057	.00067	.00005	.00011	.0022	.00008	.00010	.0006	.00097	.00082
%RSD	5.5605	.03584	1.9244	.32286	1.3612	1.0843	.21813	.72617	.99051	.3121	5.3394	3.3995
#1	.47137	.42363	.03019	.20928	.00345	.01043	1.0165	.01106	.01016	.1982	.01893	.02342
#2	.50995	.42342	.02938	.20832	.00352	.01028	1.0196	.01094	.01002	.1991	.01756	.02457
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	**.50401**	**.01042**	**.00515**	**.00507**	**.01947**	**.00515**	**.01020**
Stddev	.01654	.00035	.00007	.00014	.00100	.00016	.00015
%RSD	3.2810	3.3645	1.2914	2.7429	5.1427	3.0525	1.4383
#1	.49231	.01067	.00520	.00497	.02018	.00504	.01009
#2	.51570	.01017	.00511	.00517	.01876	.00526	.01030
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	**3392.9**	**4748.9**	**70387.**	**14373.**
Stddev	3.2	9.1	40.	61.
%RSD	.09417	.19070	.05655	.42762
#1	3395.1	4755.3	70415.	14416.
#2	3390.6	4742.5	70359.	14329.

Sample Name: ICSA-1918476 Acquired: 3/14/2014 10:52:38 Type: QC
Method: ICAP1 New RLs at low cal point Mode: CONC Corr. Factor: 1.000000
User: AMH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	B_2089	Ba4554-2	Be3130	Ca3179	Cd2288	Co2286	Cr2677	Cu3247	Fe2714
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00199**	**534.20**	**-.00546**	**-.00143**	**.00025**	**-.00004**	**478.20**	**.00074**	**-.00064**	**-.00195**	**.00273**	**195.82**
Stddev	.00131	1.52	.00047	.00065	.00000	.00001	1.12	.00011	.00014	.00034	.00006	1.15
%RSD	65.633	.28502	8.5222	45.530	1.5540	13.660	.23365	14.446	21.411	17.223	2.3505	.58815
#1	-.00107	535.27	-.00579	-.00189	.00025	-.00004	478.99	.00082	-.00074	-.00218	.00277	196.63
#2	-.00291	533.12	-.00513	-.00097	.00026	-.00005	477.41	.00067	-.00055	-.00171	.00268	195.00
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	**-.02796**	**.00283**	**.00472**	**509.13**	**.00365**	**-.00125**	**.02200**	**.00057**	**-.00079**	**-.0976**	**-.00913**	**-.00323**
Stddev	.00027	.00006	.00049	2.71	.00005	.00064	.00223	.00021	.00057	.0020	.00042	.00158
%RSD	.97831	2.1043	10.371	.53215	1.3269	51.040	10.151	36.651	71.382	2.024	4.6340	48.987
#1	-.02776	.00279	.00437	507.21	.00368	-.00080	.02042	.00042	-.00039	-.0990	-.00943	-.00211
#2	-.02815	.00287	.00506	511.04	.00361	-.00169	.02358	.00071	-.00119	-.0962	-.00883	-.00435
Check ?	Chk Pass	Chk Pass	None	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	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00394**	**.00079**	**.01461**	**.00192**	**-.00088**	**.00259**	**.00084**
Stddev	.00609	.00089	.00025	.00032	.00097	.00023	.00019
%RSD	154.40	112.42	1.6881	16.580	110.87	8.8552	22.900
#1	.00825	.00016	.01478	.00215	-.00156	.00275	.00070
#2	-.00036	.00142	.01443	.00170	-.00019	.00242	.00098
Check ?	None	Chk Pass	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	**2326.9**	**3973.8**	**57325.**	**13154.**
Stddev	2.4	1.9	88.	35.
%RSD	.10198	.04840	.15314	.26786
#1	2325.2	3975.1	57387.	13129.
#2	2328.6	3972.4	57263.	13178.

Sample Name: ICSAB-1910692 Acquired: 3/14/2014 10:55:36 Type: QC
Method: ICAP1 New RLs at low cal point Mode: CONC Corr. Factor: 1.000000
User: AMH 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	**.22870**	**526.13**	**.10798**	**.00400**	**.50613**	**.51990**	**470.57**	**1.0336**	**.51654**	**.49790**	**.57030**	**97.243**
Stddev	.00089	2.04	.00521	.00015	.00079	.00008	1.94	.0017	.00037	.00496	.00556	1.535
%RSD	.39068	.38774	4.8235	3.7277	.15691	.01504	.41281	.16301	.07221	.99596	.97535	1.5787
#1	.22933	524.69	.10430	.00411	.50557	.51984	469.19	1.0348	.51627	.50141	.57423	96.158
#2	.22807	527.57	.11166	.00390	.50669	.51995	471.94	1.0324	.51680	.49439	.56637	98.329
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	**.02205**	**.02324**	**.54377**	**507.52**	**.48763**	**.00031**	**.08028**	**1.0003**	**.04987**	F **.5581**	**.61150**	**.05272**
Stddev	.01164	.00029	.00016	1.78	.00076	.00047	.00116	.0025	.00197	.0022	.00642	.00922
%RSD	52.783	1.2284	.02968	.35014	.15580	154.17	1.4480	.24704	3.9493	.4006	1.0505	17.479
#1	.01382	.02304	.54366	508.77	.48816	.00064	.07946	.99859	.05126	.5596	.61604	.05924
#2	.03028	.02345	.54388	506.26	.48709	-.00003	.08111	1.0021	.04848	.5565	.60696	.04621
Check ?	None	None	None	Chk Pass	Chk Pass	None	None	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass
Value										.2000		
Range										20.00%		

Elem	Si2881	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.0776**	**-.00096**	**.51370**	**.00254**	**.10209**	**.50359**	**.97607**
Stddev	.0106	.00061	.00158	.00035	.00496	.00470	.01148
%RSD	.98287	63.784	.30771	13.627	4.8627	.93304	1.1763
#1	1.0701	-.00139	.51258	.00279	.09858	.50691	.98418
#2	1.0851	-.00052	.51482	.00230	.10560	.50027	.96795
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	**2331.6**	**3963.1**	**57100.**	**13068.**
Stddev	2.0	10.6	330.	51.
%RSD	.08402	.26638	.57739	.39236
#1	2330.2	3955.6	56866.	13104.
#2	2333.0	3970.5	57333.	13032.

Sample Name: CCV-1929646 Acquired: 3/14/2014 10:58:26 Type: QC
Method: ICAP1 New RLs at low cal point Mode: CONC Corr. Factor: 1.000000
User: AMH 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	**.50151**	**25.811**	**.51001**	**.49304**	**.51331**	**.51062**	**25.189**	**.49501**	**.49804**	**.50926**	**.51264**	**25.364**
Stddev	.00376	.002	.00212	.00038	.00052	.00063	.002	.00130	.00064	.00313	.00056	.020
%RSD	.74949	.00615	.41551	.07708	.10066	.12408	.00959	.26316	.12765	.61375	.10912	.07905
#1	.49885	25.813	.50851	.49277	.51295	.51107	25.191	.49409	.49759	.50705	.51224	25.378
#2	.50417	25.810	.51151	.49331	.51368	.51018	25.188	.49594	.49849	.51147	.51303	25.349
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	**25.570**	**25.758**	**.51514**	**25.211**	**.51137**	**.50062**	**25.128**	**.50252**	**.49989**	**24.91**	**.50850**	**.50419**
Stddev	.090	.036	.00206	.141	.00297	.00024	.068	.00057	.00023	.05	.00112	.00169
%RSD	.35283	.14019	.40065	.55742	.58015	.04697	.26893	.11323	.04556	.1830	.21976	.33430
#1	25.506	25.784	.51368	25.112	.50928	.50045	25.080	.50212	.50005	24.95	.50771	.50299
#2	25.634	25.732	.51659	25.311	.51347	.50078	25.176	.50292	.49973	24.88	.50929	.50538
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	**25.013**	**.51887**	**.51232**	**.49492**	**.50405**	**.49942**	**.50278**
Stddev	.130	.00136	.00162	.00179	.00141	.00232	.00190
%RSD	.52030	.26120	.31582	.36188	.27882	.46465	.37888
#1	24.921	.51983	.51118	.49366	.50504	.49778	.50144
#2	25.105	.51791	.51347	.49619	.50305	.50107	.50413
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	**3001.3**	**4516.7**	**66057.**	**13928.**
Stddev	.9	.8	297.	8.
%RSD	.02910	.01840	.45015	.05619
#1	3000.7	4517.3	66267.	13934.
#2	3001.9	4516.1	65847.	13923.

Sample Name: CCB-1929749 Acquired: 3/14/2014 11:01:07 Type: QC
Method: ICAP1 New RLs at low cal point Mode: CONC Corr. Factor: 1.000000
User: AMH 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	**-.00073**	**.00700**	**-.00120**	**.00048**	**.00022**	**.00001**	**.00523**	**.00003**	**-.00002**	**-.00032**	**-.00010**	**.00342**
Stddev	.00027	.01046	.00005	.00016	.00001	.00000	.00049	.00005	.00010	.00023	.00006	.00028
%RSD	36.579	149.46	4.1766	33.293	5.2515	23.020	9.3261	141.88	457.68	72.839	57.701	8.1216
#1	-.00092	.01440	-.00124	.00059	.00022	.00001	.00489	.00007	-.00009	-.00048	-.00006	.00322
#2	-.00054	-.00040	-.00117	.00037	.00023	.00000	.00557	-.00000	.00005	-.00015	-.00014	.00362
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	**-.00896**	**.00115**	**-.00004**	**.00480**	**.00004**	**.00032**	**.00265**	**-.00016**	**.00030**	**.0019**	**-.00074**	**-.00060**
Stddev	.00820	.00019	.00027	.00177	.00006	.00002	.00000	.00020	.00034	.0030	.00120	.00014
%RSD	91.550	16.437	760.24	36.850	162.70	6.0988	.01341	122.37	114.85	157.1	162.54	23.586
#1	-.00316	.00129	.00016	.00605	.00008	.00031	.00265	-.00002	.00054	.0041	.00011	-.00050
#2	-.01476	.00102	-.00023	.00355	-.00001	.00033	.00265	-.00031	.00006	-.0002	-.00159	-.00069
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	Si2881	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.01137**	**.00013**	**.00008**	**.00018**	**.00019**	**.00022**	**-.00006**
Stddev	.00671	.00039	.00007	.00065	.00206	.00009	.00009
%RSD	58.990	299.93	88.096	364.61	1059.8	42.725	149.52
#1	.00663	-.00014	.00003	.00064	.00165	.00028	-.00013
#2	.01612	.00040	.00014	-.00028	-.00126	.00015	.00000
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	**3319.9**	**4639.3**	**69020.**	**13929.**
Stddev	1.4	2.7	174.	21.
%RSD	.04178	.05896	.25190	.14862
#1	3319.0	4637.3	69143.	13944.
#2	3320.9	4641.2	68897.	13915.

Sample Name: CCVL-1925066 Acquired: 3/14/2014 11:03:57 Type: QC
Method: ICAP1 New RLs at low cal point Mode: CONC Corr. Factor: 1.000000
User: AMH 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	**.00478**	**.21185**	**.01466**	**.01971**	**.00229**	**.00211**	**.50131**	**.00193**	**.00402**	**.00384**	**.00994**	**.05196**
Stddev	.00038	.00101	.00071	.00017	.00001	.00006	.00455	.00002	.00000	.00033	.00035	.00093
%RSD	7.8443	.47660	4.8264	.88068	.49197	2.8149	.90718	1.0616	.06173	8.5940	3.5098	1.7975
#1	.00452	.21114	.01516	.01983	.00229	.00207	.49809	.00194	.00402	.00407	.01019	.05262
#2	.00505	.21256	.01416	.01959	.00230	.00215	.50452	.00191	.00402	.00361	.00970	.05130
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	**.51246**	**.42899**	**.02923**	**.21196**	**.00347**	**.01018**	**.99704**	**.01097**	**.00896**	**.1918**	**.01783**	**.02295**
Stddev	.01074	.00261	.00048	.00272	.00005	.00012	.01117	.00018	.00080	.0063	.00012	.00130
%RSD	2.0966	.60772	1.6558	1.2847	1.3478	1.2151	1.1208	1.6213	8.8879	3.263	.69169	5.6571
#1	.52006	.42715	.02889	.21389	.00343	.01009	.98914	.01084	.00952	.1962	.01775	.02203
#2	.50486	.43084	.02958	.21004	.00350	.01026	1.0049	.01109	.00839	.1873	.01792	.02387
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	**.49525**	**.01060**	**.00505**	**.00492**	**.02133**	**.00501**	**.01018**
Stddev	.01788	.00022	.00007	.00027	.00105	.00026	.00007
%RSD	3.6101	2.0868	1.4160	5.4206	4.9048	5.2413	.66411
#1	.48261	.01076	.00500	.00511	.02059	.00482	.01023
#2	.50789	.01045	.00510	.00474	.02207	.00520	.01013
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	**3395.7**	**4775.9**	**70580.**	**14347.**
Stddev	8.2	6.3	164.	92.
%RSD	.24224	.13182	.23210	.64380
#1	3401.5	4780.4	70696.	14412.
#2	3389.9	4771.5	70464.	14282.

Sample Name: MB 480-169933/1-A Acquired: 3/14/2014 11:06:48 Type: Unk
Method: ICAP1 New RLs at low cal point Mode: CONC Corr. Factor: 1.000000
User: AMH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	B_2089	Ba4554-2	Be3130	Ca3179	Cd2288	Co2286
Line	328.068 {103}	308.215 {109}	189.042 {478}	208.959 {461}	455.403 { 74}2	313.042 {108}	317.933 {106}	228.802 {447}	228.616 {447}
IS Ref	(Y_3600)	(Y_3774)	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3774)	(Y_3774)	(Y_2243)	(In2306)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00078**	**-.00244**	**-.00086**	**.00046**	**.00040**	**.00001**	**.02977**	**.00015**	**.00002**
Stddev	.00021	.01425	.00052	.00007	.00001	.00005	.00102	.00002	.00004
%RSD	27.108	584.00	60.215	15.138	3.4071	319.20	3.4407	13.867	179.89
#1	-.00093	-.01251	-.00123	.00041	.00039	.00005	.02905	.00014	.00005
#2	-.00063	.00763	-.00049	.00051	.00041	-.00002	.03050	.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	**-.00055**	**.00034**	**.01205**	**-.00037**	**.03280**	**.00004**	**.00367**	**.00132**	**.00009**
Stddev	.00005	.00004	.00132	.01756	.00008	.00047	.00012	.00004	.00016
%RSD	8.2512	12.004	10.963	4758.3	.25369	1317.1	3.2360	3.1889	170.82
#1	-.00058	.00036	.01299	-.01279	.03286	.00037	.00359	.00129	-.00002
#2	-.00051	.00031	.01112	.01205	.03274	-.00030	.00376	.00135	.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	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	**.02052**	**-.00005**	**-.00046**	**.0054**	**-.00099**	**-.00163**	**.15851**	F **.04213**	**.00023**
Stddev	.00036	.00002	.00141	.0023	.00089	.00174	.01612	.00009	.00004
%RSD	1.7676	41.219	308.59	43.25	89.453	106.85	10.171	.20643	16.410
#1	.02026	-.00006	-.00145	.0071	-.00037	-.00040	.14711	.04207	.00025
#2	.02078	-.00004	.00054	.0038	-.00162	-.00286	.16991	.04219	.00020
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass
High Limit								.01000	
Low Limit								-.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	**.00015**	**.00001**	**.00012**	**.00212**
Stddev	.00016	.00082	.00006	.00026
%RSD	107.61	9662.3	49.886	12.048
#1	.00026	.00059	.00017	.00230
#2	.00004	-.00057	.00008	.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	**3186.0**	**4455.8**	**66518.**	**13662.**
Stddev	3.0	12.1	232.	28.
%RSD	.09444	.27181	.34867	.20138
#1	3183.9	4447.3	66354.	13682.
#2	3188.1	4464.4	66682.	13643.

Sample Name: LCSSRM 480-169933/2- Acquired: 3/14/2014 11:09:39 Type: Unk
Method: ICAP1 New RLs at low cal point Mode: CONC Corr. Factor: 1.000000
User: AMH 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	**.42017**	**69.189**	**1.0461**	**1.5306**	**3.0962**	**.76813**	**69.410**	**1.8421**	**1.3854**
Stddev	.00150	.261	.0003	.0055	.0017	.00068	.384	.0042	.0029
%RSD	.35808	.37654	.03068	.35754	.05549	.08916	.55300	.22922	.21254
#1	.41910	69.004	1.0463	1.5344	3.0950	.76764	69.139	1.8451	1.3874
#2	.42123	69.373	1.0458	1.5267	3.0975	.76861	69.682	1.8391	1.3833
Check ?	Chk 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	**1.4107**	**1.0901**	**100.57**	**26.500**	**27.710**	**.07212**	**27.067**	**3.1439**	**1.3917**
Stddev	.0001	.0032	.45	.049	.092	.00068	.022	.0039	.0060
%RSD	.00911	.29769	.44254	.18459	.33281	.94272	.08293	.12384	.43182
#1	1.4107	1.0924	100.26	26.465	27.644	.07260	27.083	3.1411	1.3959
#2	1.4108	1.0878	100.89	26.535	27.775	.07164	27.051	3.1466	1.3874
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	**28.870**	**1.6758**	**1.2161**	**2.307**	**.87088**	**1.5672**	**32.844**	**1.1263**	**.98958**
Stddev	.074	.0048	.0041	.007	.00666	.0087	.156	.0048	.00058
%RSD	.25718	.28849	.34064	.3113	.76518	.55232	.47603	.42655	.05855
#1	28.818	1.6792	1.2190	2.312	.87560	1.5734	32.955	1.1297	.98917
#2	28.923	1.6723	1.2132	2.302	.86617	1.5611	32.733	1.1229	.98999
Check ?	Chk Pass	Chk Pass	Chk Pass	None	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	**3.1353**	**1.8526**	**.96095**	**1.5662**
Stddev	.0088	.0036	.00183	.0014
%RSD	.27999	.19601	.19091	.08665
#1	3.1291	1.8552	.96225	1.5653
#2	3.1415	1.8500	.95966	1.5672
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				
Low Limit				

Int. Std.	In2306	Y_2243	Y_3600	Y_3774
Line	230.606 {446}	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**2767.1**	**4496.5**	**65243.**	**14126.**
Stddev	7.7	14.6	163.	36.
%RSD	.27716	.32425	.24971	.25779
#1	2761.7	4486.2	65128.	14151.
#2	2772.5	4506.8	65358.	14100.

Sample Name: CCV Acquired: 3/14/2014 11:12:25 Type: QC
Method: ICAP1 New RLs at low cal point Mode: CONC Corr. Factor: 1.000000
User: AMH 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	**.49769**	**25.615**	**.51164**	**.49350**	**.50823**	**.51128**	**25.267**	**.49389**	**.49835**	**.51135**	**.50731**	**25.416**
Stddev	.00214	.096	.00101	.00069	.00152	.00187	.060	.00037	.00052	.00402	.00106	.030
%RSD	.43086	.37583	.19725	.13893	.29862	.36639	.23762	.07580	.10456	.78701	.20823	.11960
#1	.49617	25.683	.51236	.49301	.50931	.51261	25.309	.49362	.49872	.50851	.50656	25.437
#2	.49920	25.547	.51093	.49398	.50716	.50996	25.225	.49415	.49798	.51420	.50805	25.394
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	**24.960**	**25.468**	**.51442**	**25.208**	**.51328**	**.50134**	**24.755**	**.50356**	**.50054**	**24.93**	**.50649**	**.49506**
Stddev	.038	.143	.00235	.083	.00183	.00056	.126	.00048	.00061	.05	.00002	.00095
%RSD	.15202	.56207	.45718	.32865	.35748	.11152	.50749	.09589	.12101	.2002	.00320	.19167
#1	24.987	25.569	.51608	25.149	.51199	.50173	24.844	.50322	.50011	24.89	.50650	.49439
#2	24.934	25.367	.51275	25.266	.51458	.50094	24.667	.50391	.50097	24.96	.50648	.49573
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	**25.165**	**.52179**	**.50545**	**.50152**	**.49907**	**.49827**	**.50451**
Stddev	.002	.00040	.00049	.00308	.00024	.00230	.00299
%RSD	.00770	.07701	.09780	.61317	.04847	.46160	.59298
#1	25.167	.52150	.50580	.49935	.49890	.49665	.50240
#2	25.164	.52207	.50510	.50370	.49924	.49990	.50663
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	**3004.7**	**4541.6**	**66406.**	**13964.**
Stddev	3.1	3.6	338.	28.
%RSD	.10302	.08026	.50895	.19737
#1	3006.9	4544.2	66645.	13983.
#2	3002.5	4539.0	66167.	13944.

Sample Name: CCB Acquired: 3/14/2014 11:15:05 Type: QC
Method: ICAP1 New RLs at low cal point Mode: CONC Corr. Factor: 1.000000
User: AMH 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	**-.00090**	**.00802**	**.00078**	**.00140**	**.00030**	**.00003**	**.00584**	**.00006**	**-.00004**	**-.00028**	**-.00024**	**.00510**
Stddev	.00043	.00023	.00218	.00025	.00000	.00002	.00334	.00006	.00005	.00026	.00008	.00043
%RSD	47.350	2.8886	279.47	17.886	1.3314	68.775	57.163	99.554	124.23	93.829	33.586	8.3577
#1	-.00121	.00786	-.00076	.00158	.00031	.00005	.00820	.00002	-.00008	-.00009	-.00018	.00540
#2	-.00060	.00819	.00232	.00123	.00030	.00002	.00348	.00010	-.00001	-.00046	-.00030	.00480
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	**-.09156**	**.00221**	**.00116**	**.00307**	**.00004**	**.00037**	**-.00477**	**.00008**	**-.00034**	**.0010**	**-.00031**	**.00086**
Stddev	.01362	.00041	.00125	.00067	.00001	.00008	.00158	.00032	.00052	.0004	.00010	.00039
%RSD	14.881	18.426	107.59	21.987	28.010	20.694	33.099	407.98	152.65	41.78	31.416	45.397
#1	-.08192	.00249	.00204	.00355	.00003	.00032	-.00365	-.00015	-.00071	.0007	-.00038	.00059
#2	-.10119	.00192	.00028	.00259	.00005	.00043	-.00588	.00031	.00003	.0013	-.00024	.00114
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	Si2881	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.01316**	**.00034**	**.00000**	**.00057**	**.00222**	**.00008**	**-.00017**
Stddev	.00165	.00008	.00004	.00016	.00228	.00017	.00031
%RSD	12.560	24.158	7457.2	27.735	102.79	208.23	187.47
#1	.01433	.00040	.00003	.00046	.00383	-.00004	.00005
#2	.01200	.00028	-.00003	.00068	.00061	.00020	-.00039
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	**3317.2**	**4651.7**	**68689.**	**13992.**
Stddev	1.6	7.2	35.	32.
%RSD	.04954	.15430	.05105	.22576
#1	3318.4	4656.8	68664.	13970.
#2	3316.1	4646.6	68714.	14014.

Sample Name: CCVL Acquired: 3/14/2014 11:17:57 Type: QC
Method: ICAP1 New RLs at low cal point Mode: CONC Corr. Factor: 1.000000
User: AMH 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	**.00489**	**.21127**	**.01537**	**.02023**	**.00232**	**.00207**	**.50081**	**.00202**	**.00385**	**.00367**	**.00982**	**.05180**
Stddev	.00050	.00548	.00060	.00010	.00002	.00001	.00350	.00003	.00004	.00035	.00032	.00241
%RSD	10.183	2.5935	3.8841	.48594	1.0078	.31701	.69911	1.7147	.99820	9.3989	3.2668	4.6490
#1	.00524	.20740	.01495	.02030	.00231	.00207	.49833	.00199	.00388	.00392	.01005	.05350
#2	.00453	.21515	.01579	.02016	.00234	.00207	.50329	.00204	.00383	.00343	.00960	.05010
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	**.42400**	**.41835**	**.03084**	**.20352**	**.00341**	**.01034**	**.95745**	**.01091**	**.00951**	**.1933**	**.01881**	**.02541**
Stddev	.03259	.00053	.00034	.00371	.00003	.00008	.00288	.00018	.00084	.0026	.00092	.00309
%RSD	7.6871	.12622	1.0876	1.8232	.99033	.80364	.30091	1.6787	8.8379	1.323	4.8766	12.144
#1	.44705	.41798	.03060	.20090	.00344	.01040	.95541	.01104	.00891	.1915	.01816	.02323
#2	.40095	.41873	.03108	.20615	.00339	.01028	.95949	.01078	.01010	.1951	.01946	.02759
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	**.49723**	**.01074**	**.00494**	**.00507**	**.02095**	**.00500**	**.00942**
Stddev	.01571	.00035	.00006	.00021	.00054	.00000	.00022
%RSD	3.1597	3.2269	1.1907	4.1235	2.5671	.01574	2.2910
#1	.48612	.01098	.00490	.00522	.02133	.00500	.00958
#2	.50834	.01049	.00498	.00492	.02057	.00500	.00927
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	**3393.2**	**4767.0**	**70543.**	**14425.**
Stddev	6.8	2.2	248.	11.
%RSD	.19991	.04594	.35094	.07805
#1	3398.0	4765.4	70718.	14417.
#2	3388.4	4768.5	70368.	14433.

Sample Name: 480-55039-B-1-I Acquired: 3/14/2014 11:20:48 Type: Unk
Method: ICAP1 New RLs at low cal point Mode: CONC Corr. Factor: 1.000000
User: AMH 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	F **-.00309**	**50.514**	**.03801**	**.04615**	**.65157**	**.00217**	**101.18**	**.00221**	**.03455**
Stddev	.00018	.122	.00072	.00040	.00063	.00006	.79	.00006	.00008
%RSD	5.9314	.24105	1.9038	.85789	.09638	2.7911	.78209	2.4988	.23984
#1	-.00322	50.427	.03852	.04587	.65202	.00221	100.62	.00217	.03461
#2	-.00296	50.600	.03749	.04643	.65113	.00213	101.74	.00225	.03449
Check ?	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	1.9800								
Low Limit	-.00300								

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	**.07397**	**.12629**	**89.907**	**6.1789**	**6.9817**	**.05116**	**46.653**	**7.3455**	**.00388**
Stddev	.00062	.00031	.900	.0073	.0058	.00050	.046	.0148	.00011
%RSD	.83307	.24789	1.0014	.11750	.08266	.97173	.09879	.20205	2.9191
#1	.07353	.12651	89.271	6.1737	6.9776	.05080	46.620	7.3350	.00380
#2	.07440	.12607	90.544	6.1840	6.9858	.05151	46.685	7.3560	.00396
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	**1.0569**	**.07279**	**.28394**	**2.984**	**-.00111**	**.00178**	**15.267**	**.03117**	**.16361**
Stddev	.0091	.00009	.00126	.006	.00308	.00075	.069	.00027	.00022
%RSD	.86079	.12567	.44386	.2070	276.04	42.110	.45036	.86304	.13747
#1	1.0505	.07285	.28483	2.980	-.00329	.00231	15.315	.03098	.16346
#2	1.0633	.07273	.28304	2.989	.00106	.00125	15.218	.03136	.16377
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	**1.1775**	**-.00160**	**.10166**	**.58552**
Stddev	.0053	.00406	.00041	.00257
%RSD	.44556	253.93	.40466	.43809
#1	1.1812	.00127	.10137	.58370
#2	1.1738	-.00447	.10195	.58733
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				
Low Limit				

Int. Std.	In2306	Y_2243	Y_3600	Y_3774
Line	230.606 {446}	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**2777.4**	**4587.6**	**67310.**	**14550.**
Stddev	5.1	8.6	127.	80.
%RSD	.18391	.18706	.18860	.55095
#1	2773.8	4581.6	67221.	14607.
#2	2781.0	4593.7	67400.	14493.

Sample Name: 480-55039-B-1-I SD@5 Acquired: 3/14/2014 11:23:49 Type: Unk
Method: ICAP1 New RLs at low cal point Mode: CONC Corr. Factor: 1.000000
User: AMH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	B_2089	Ba4554-2	Be3130	Ca3179	Cd2288	Co2286
Line	328.068 {103}	308.215 {109}	189.042 {478}	208.959 {461}	455.403 { 74}2	313.042 {108}	317.933 {106}	228.802 {447}	228.616 {447}
IS Ref	(Y_3600)	(Y_3774)	(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**	**10.439**	**.00725**	**.00976**	**.14145**	**.00046**	**21.663**	**.00058**	**.00669**
Stddev	.00025	.003	.00015	.00005	.00009	.00002	.047	.00006	.00009
%RSD	19.482	.02914	2.0682	.51093	.06436	3.5063	.21467	9.7965	1.2950
#1	-.00112	10.441	.00735	.00980	.14138	.00047	21.696	.00054	.00663
#2	-.00148	10.437	.00714	.00973	.14151	.00045	21.630	.00062	.00675
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Cr2677	Cu3247	Fe2599	K_7664	K_7664-2	Li6707	Mg2790	Mn2576	Mo2020
Line	267.716 {126}	324.754 {104}	259.940 {130}	766.490 { 44}	766.490 { 44}2	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}
IS Ref	(Y_3600)	(Y_3600)	(Y_3774)	(Y_3774)	(Y_3774)	(Y_3774)	(Y_3600)	(Y_3600)	(Y_2243)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.01536**	**.02575**	**19.052**	**1.2034**	**1.2096**	**.01129**	**9.9377**	**1.6450**	**.00084**
Stddev	.00003	.00014	.050	.0061	.0038	.00003	.0358	.0046	.00005
%RSD	.22216	.54451	.26093	.50616	.31156	.23367	.36012	.28193	6.3893
#1	.01538	.02565	19.087	1.1991	1.2069	.01127	9.9630	1.6483	.00088
#2	.01533	.02585	19.017	1.2077	1.2122	.01131	9.9124	1.6417	.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	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	**.20844**	**.01427**	**.05452**	**.6146**	**-.00112**	**.00089**	**3.1330**	**.00593**	**.03411**
Stddev	.00124	.00018	.00128	.0044	.00100	.00319	.0185	.00004	.00003
%RSD	.59264	1.2941	2.3440	.7203	88.543	357.16	.58882	.68723	.08625
#1	.20931	.01414	.05543	.6178	-.00183	.00315	3.1460	.00590	.03413
#2	.20757	.01440	.05362	.6115	-.00042	-.00136	3.1199	.00595	.03409
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	**.24871**	**.00008**	**.02144**	**.12738**
Stddev	.00066	.00080	.00003	.00121
%RSD	.26679	976.03	.13722	.94971
#1	.24824	-.00048	.02146	.12823
#2	.24918	.00064	.02142	.12652
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				
Low Limit				

Int. Std.	In2306	Y_2243	Y_3600	Y_3774
Line	230.606 {446}	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**3137.9**	**4613.0**	**68018.**	**14230.**
Stddev	2.8	4.9	209.	30.
%RSD	.08832	.10627	.30677	.21429
#1	3139.9	4616.5	67870.	14208.
#2	3135.9	4609.5	68165.	14251.

Sample Name: 480-55039-B-1-I PDS Acquired: 3/14/2014 11:26:35 Type: Unk
Method: ICAP1 New RLs at low cal point Mode: CONC Corr. Factor: 1.000000
User: AMH 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	**.09661**	**68.915**	**.43748**	**.44694**	**1.0199**	**.39551**	**114.57**	**.38246**	**.45153**
Stddev	.00001	.540	.00056	.00066	.0050	.00082	.78	.00087	.00084
%RSD	.00982	.78292	.12768	.14770	.49026	.20737	.67867	.22658	.18575
#1	.09662	69.297	.43708	.44648	1.0234	.39609	115.12	.38185	.45094
#2	.09660	68.534	.43787	.44741	1.0163	.39493	114.02	.38307	.45212
Check ?	Chk 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	**.45766**	**.52679**	**103.53**	**25.935**	**28.483**	**.46773**	**63.710**	**7.3524**	**.38295**
Stddev	.00412	.00627	1.05	.195	.418	.00428	.060	.0190	.00102
%RSD	.89954	1.1910	1.0138	.75065	1.4662	.91611	.09494	.25901	.26546
#1	.46057	.53123	104.28	26.073	28.778	.47076	63.667	7.3658	.38224
#2	.45474	.52236	102.79	25.797	28.188	.46470	63.753	7.3389	.38367
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	**21.064**	**.49290**	**.67799**	**2.849**	**.37877**	**.38990**	**33.239**	**.45606**	**.55657**
Stddev	.205	.00036	.00181	.010	.00070	.00032	.303	.00067	.00310
%RSD	.97179	.07352	.26661	.3379	.18589	.08097	.91228	.14618	.55681
#1	21.209	.49265	.67927	2.842	.37827	.38968	33.453	.45558	.55876
#2	20.919	.49316	.67671	2.856	.37926	.39012	33.024	.45653	.55438
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	**1.5180**	**.40351**	**.49076**	**.92658**
Stddev	.0284	.00176	.00359	.00203
%RSD	1.8718	.43546	.73176	.21911
#1	1.4979	.40475	.49329	.92514
#2	1.5381	.40227	.48822	.92801
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				
Low Limit				

Int. Std.	In2306	Y_2243	Y_3600	Y_3774
Line	230.606 {446}	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**2699.3**	**4544.4**	**66212.**	**14593.**
Stddev	3.6	5.9	365.	106.
%RSD	.13493	.12953	.55058	.72421
#1	2696.8	4540.3	65954.	14518.
#2	2701.9	4548.6	66470.	14667.

Sample Name: 480-55039-B-1-J MS Acquired: 3/14/2014 11:29:26 Type: Unk
Method: ICAP1 New RLs at low cal point Mode: CONC Corr. Factor: 1.000000
User: AMH 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	**.09745**	**90.453**	**.44845**	**.47745**	**.90211**	**.40636**	**125.04**	**.38797**	**.44526**
Stddev	.00058	.148	.00548	.00176	.00052	.00122	.70	.00034	.00167
%RSD	.59758	.16385	1.2228	.36761	.05812	.30104	.55624	.08807	.37499
#1	.09704	90.348	.44457	.47870	.90174	.40723	125.54	.38773	.44408
#2	.09787	90.558	.45232	.47621	.90249	.40550	124.55	.38821	.44644
Check ?	Chk 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	**.48223**	**.52542**	**100.78**	**31.243**	**33.302**	**.47941**	**66.065**	**6.2679**	**.38409**
Stddev	.00225	.00420	.70	.046	.191	.00324	.070	.0434	.00053
%RSD	.46744	.79977	.69673	.14879	.57480	.67493	.10622	.69188	.13816
#1	.48064	.52245	101.27	31.210	33.438	.47713	66.016	6.2373	.38372
#2	.48382	.52839	100.28	31.276	33.167	.48170	66.115	6.2986	.38447
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	**20.632**	**.47175**	**.68059**	F **22.10**	**.33793**	**.40537**	**38.020**	**.44810**	**.56525**
Stddev	.040	.00081	.00097	.02	.00132	.00034	.090	.00032	.00080
%RSD	.19422	.17172	.14251	.0933	.38972	.08504	.23586	.07247	.14130
#1	20.604	.47117	.68128	22.09	.33886	.40513	38.084	.44787	.56468
#2	20.661	.47232	.67991	22.11	.33699	.40562	37.957	.44833	.56581
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				9.000					
Low Limit				-.2000					

Elem	Ti3349	Tl1908	V_2924	Zn2062
Line	334.904 {101}	190.856 {477}	292.402 {115}	206.200 {163}
IS Ref	(Y_3600)	(In2306)	(Y_3600)	(Y_3600)
Units	ppm	ppm	ppm	ppm
Avg	**1.8911**	**.40102**	**.52194**	**.95029**
Stddev	.0024	.00135	.00136	.00369
%RSD	.12654	.33593	.26082	.38868
#1	1.8928	.40197	.52098	.95290
#2	1.8894	.40006	.52290	.94767
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				
Low Limit				

Int. Std.	In2306	Y_2243	Y_3600	Y_3774
Line	230.606 {446}	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**2675.4**	**4427.8**	**64177.**	**14119.**
Stddev	1.8	5.8	78.	129.
%RSD	.06823	.13201	.12186	.91454
#1	2674.1	4423.7	64232.	14027.
#2	2676.7	4432.0	64122.	14210.

Sample Name: 480-55039-B-1-K MSD Acquired: 3/14/2014 11:32:15 Type: Unk
Method: ICAP1 New RLs at low cal point Mode: CONC Corr. Factor: 1.000000
User: AMH 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	**.09571**	**96.206**	**.43752**	**.46446**	**.94031**	**.39502**	**132.03**	**.38001**	**.43986**
Stddev	.00081	.007	.00129	.00080	.00109	.00100	.12	.00033	.00043
%RSD	.84179	.00731	.29494	.17285	.11567	.25288	.08726	.08664	.09752
#1	.09628	96.201	.43660	.46390	.93955	.39431	131.95	.37978	.44017
#2	.09514	96.211	.43843	.46503	.94108	.39572	132.11	.38025	.43956
Check ?	Chk 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	**.46461**	**.51945**	**107.58**	**31.648**	**33.876**	**.47445**	**81.185**	**7.5185**	**.37320**
Stddev	.00021	.00062	.36	.082	.136	.00106	.253	.0059	.00068
%RSD	.04482	.11852	.33839	.25860	.40195	.22368	.31213	.07893	.18315
#1	.46446	.51901	107.84	31.590	33.972	.47520	81.005	7.5227	.37369
#2	.46475	.51988	107.33	31.706	33.779	.47370	81.364	7.5143	.37272
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	**20.165**	**.47657**	**.66868**	F **21.86**	**.31992**	**.39028**	**35.305**	**.43424**	**.53933**
Stddev	.005	.00131	.00080	.09	.00185	.00050	.083	.00028	.00134
%RSD	.02477	.27507	.11998	.4092	.57683	.12828	.23580	.06515	.24770
#1	20.162	.47749	.66811	21.93	.32122	.39063	35.246	.43444	.53838
#2	20.169	.47564	.66925	21.80	.31861	.38992	35.363	.43404	.54027
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				9.000					
Low Limit				-.2000					

Elem	Ti3349	Tl1908	V_2924	Zn2062
Line	334.904 {101}	190.856 {477}	292.402 {115}	206.200 {163}
IS Ref	(Y_3600)	(In2306)	(Y_3600)	(Y_3600)
Units	ppm	ppm	ppm	ppm
Avg	**1.8329**	**.39048**	**.51954**	**.99597**
Stddev	.0034	.00113	.00027	.00269
%RSD	.18433	.29015	.05159	.27041
#1	1.8305	.39128	.51935	.99407
#2	1.8353	.38968	.51973	.99788
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				
Low Limit				

Int. Std.	In2306	Y_2243	Y_3600	Y_3774
Line	230.606 {446}	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**2672.3**	**4472.0**	**64593.**	**14190.**
Stddev	4.7	3.2	48.	34.
%RSD	.17618	.07092	.07365	.24289
#1	2669.0	4469.8	64627.	14166.
#2	2675.6	4474.3	64559.	14215.

Sample Name: 480-55039-F-2-D Acquired: 3/14/2014 11:35:05 Type: Unk
Method: ICAP1 New RLs at low cal point Mode: CONC Corr. Factor: 1.000000
User: AMH 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	F **-.00331**	**30.150**	**.06651**	**.02623**	**.73588**	**.00191**	**428.18**	**.00191**	**.03123**
Stddev	.00094	.085	.00136	.00060	.00169	.00002	.97	.00001	.00013
%RSD	28.274	.28134	2.0503	2.2920	.22997	1.0285	.22609	.36875	.40865
#1	-.00397	30.090	.06748	.02581	.73469	.00192	427.50	.00191	.03132
#2	-.00265	30.210	.06555	.02666	.73708	.00190	428.87	.00190	.03114
Check ?	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	1.9800								
Low Limit	-.00300								

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	**.04264**	**.05268**	**162.88**	**4.3337**	**6.1822**	**.04580**	**176.44**	**11.037**	**.00024**
Stddev	.00101	.00048	1.11	.0042	.0771	.00046	.35	.026	.00002
%RSD	2.3706	.90315	.68008	.09580	1.2466	1.0105	.19908	.24015	7.8493
#1	.04193	.05234	162.10	4.3307	6.1277	.04548	176.19	11.018	.00023
#2	.04336	.05301	163.67	4.3366	6.2367	.04613	176.69	11.055	.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	**1.7348**	**.04123**	**.11953**	**3.290**	**-.00324**	**.00302**	**10.593**	**.03987**	**.35604**
Stddev	.0168	.00000	.00217	.003	.00123	.00143	.041	.00023	.00165
%RSD	.96939	.00729	1.8125	.0836	37.840	47.379	.39104	.58406	.46277
#1	1.7229	.04123	.12107	3.288	-.00238	.00201	10.564	.04004	.35487
#2	1.7467	.04123	.11800	3.292	-.00411	.00404	10.622	.03971	.35720
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	**.48023**	**-.00587**	**.10409**	**.78455**
Stddev	.00247	.00202	.00031	.00507
%RSD	.51482	34.481	.29550	.64582
#1	.47848	-.00730	.10387	.78097
#2	.48198	-.00444	.10431	.78813
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				
Low Limit				

Int. Std.	In2306	Y_2243	Y_3600	Y_3774
Line	230.606 {446}	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**2506.9**	**4189.3**	**60989.**	**13477.**
Stddev	.5	1.0	70.	13.
%RSD	.01944	.02296	.11411	.09703
#1	2506.6	4188.6	61038.	13486.
#2	2507.3	4190.0	60940.	13468.

Sample Name: 480-55039-B-3-D Acquired: 3/14/2014 11:38:08 Type: Unk
Method: ICAP1 New RLs at low cal point Mode: CONC Corr. Factor: 1.000000
User: AMH 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	**-.00246**	**31.045**	**.02851**	**.02861**	**.44994**	**.00140**	**61.830**	**.00168**	**.02180**
Stddev	.00054	.064	.00038	.00015	.00092	.00002	.035	.00001	.00011
%RSD	21.968	.20455	1.3497	.51626	.20423	1.2358	.05704	.54753	.52144
#1	-.00284	31.089	.02878	.02851	.45059	.00139	61.855	.00167	.02188
#2	-.00208	31.000	.02823	.02872	.44929	.00141	61.805	.00169	.02172
Check ?	Chk 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	**.03944**	**.08336**	**66.150**	**3.4865**	**3.8332**	**.03658**	**33.741**	**6.2610**	**.00108**
Stddev	.00037	.00031	.029	.0177	.0099	.00056	.084	.0172	.00003
%RSD	.94951	.37411	.04459	.50723	.25857	1.5339	.24757	.27453	2.5031
#1	.03918	.08358	66.171	3.4740	3.8402	.03698	33.800	6.2732	.00106
#2	.03971	.08314	66.129	3.4990	3.8262	.03618	33.682	6.2489	.00110
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	**.84484**	**.04263**	**.08453**	**2.785**	**-.00370**	**.00221**	**12.262**	**.02791**	**.11656**
Stddev	.01019	.00049	.00023	.002	.00114	.00104	.006	.00010	.00036
%RSD	1.2062	1.1437	.27530	.0538	30.816	47.248	.04622	.35703	.31150
#1	.85204	.04229	.08436	2.784	-.00290	.00147	12.266	.02798	.11682
#2	.83763	.04298	.08469	2.787	-.00451	.00295	12.258	.02784	.11630
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	**.74694**	**-.00024**	**.07006**	**.44955**
Stddev	.00597	.00323	.00006	.00185
%RSD	.79963	1369.6	.08254	.41108
#1	.75116	-.00252	.07011	.44825
#2	.74271	.00205	.07002	.45086
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				
Low Limit				

Int. Std.	In2306	Y_2243	Y_3600	Y_3774
Line	230.606 {446}	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**2902.8**	**4537.1**	**65969.**	**14216.**
Stddev	2.3	4.3	89.	37.
%RSD	.07810	.09570	.13453	.26209
#1	2901.2	4534.0	65906.	14190.
#2	2904.4	4540.2	66032.	14242.

Sample Name: 480-55039-F-4-D Acquired: 3/14/2014 11:40:55 Type: Unk
Method: ICAP1 New RLs at low cal point Mode: CONC Corr. Factor: 1.000000
User: AMH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	B_2089	Ba4554-2	Be3130	Ca3179	Cd2288	Co2286
Line	328.068 {103}	308.215 {109}	189.042 {478}	208.959 {461}	455.403 { 74}2	313.042 {108}	317.933 {106}	228.802 {447}	228.616 {447}
IS Ref	(Y_3600)	(Y_3774)	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3774)	(Y_3774)	(Y_2243)	(In2306)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00194**	**47.556**	**.02707**	**.06493**	**.43597**	**.00214**	**415.10**	**.00388**	**.04399**
Stddev	.00013	.329	.00189	.00041	.00038	.00004	2.81	.00003	.00011
%RSD	6.4736	.69090	6.9786	.62460	.08774	1.8378	.67772	.80279	.24103
#1	-.00185	47.788	.02574	.06521	.43624	.00217	413.11	.00390	.04406
#2	-.00202	47.324	.02841	.06464	.43570	.00211	417.09	.00386	.04391
Check ?	Chk 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	**.07597**	**.16916**	**90.007**	**10.344**	**14.141**	**.08482**	**179.24**	**4.3063**	**.00307**
Stddev	.00042	.00091	.098	.090	.103	.00040	.25	.0039	.00036
%RSD	.55393	.54063	.10913	.86661	.73179	.46829	.14054	.09025	11.842
#1	.07567	.16851	89.938	10.408	14.068	.08454	179.42	4.3090	.00333
#2	.07626	.16981	90.076	10.281	14.214	.08510	179.06	4.3035	.00281
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	**1.3999**	**.09344**	**.21244**	**4.871**	**.00392**	**.00341**	**17.200**	**.04538**	**.71719**
Stddev	.0063	.00134	.00166	.025	.00016	.00006	.124	.00005	.00241
%RSD	.45301	1.4300	.77919	.5128	4.1474	1.6281	.72009	.10521	.33671
#1	1.4044	.09438	.21127	4.853	.00403	.00345	17.288	.04541	.71890
#2	1.3955	.09249	.21361	4.888	.00380	.00338	17.112	.04535	.71548
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	**1.3318**	**-.00245**	**.11334**	**.81887**
Stddev	.0128	.00200	.00006	.00308
%RSD	.95830	81.730	.04854	.37644
#1	1.3409	-.00103	.11330	.81669
#2	1.3228	-.00386	.11338	.82105
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				
Low Limit				

Int. Std.	In2306	Y_2243	Y_3600	Y_3774
Line	230.606 {446}	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**2503.5**	**4297.9**	**62570.**	**14003.**
Stddev	2.5	2.2	11.	19.
%RSD	.09867	.05059	.01686	.13769
#1	2501.7	4296.4	62563.	14017.
#2	2505.2	4299.4	62578.	13989.

Sample Name: 480-55039-F-5-E Acquired: 3/14/2014 11:43:45 Type: Unk
Method: ICAP1 New RLs at low cal point Mode: CONC Corr. Factor: 1.000000
User: AMH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	B_2089	Ba4554-2	Be3130	Ca3179	Cd2288	Co2286
Line	328.068 {103}	308.215 {109}	189.042 {478}	208.959 {461}	455.403 { 74}2	313.042 {108}	317.933 {106}	228.802 {447}	228.616 {447}
IS Ref	(Y_3600)	(Y_3774)	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3774)	(Y_3774)	(Y_2243)	(In2306)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00276**	**49.839**	**.02490**	**.03300**	**.28608**	**.00211**	**95.104**	**.00131**	**.03206**
Stddev	.00094	.122	.00041	.00052	.00085	.00003	.180	.00005	.00010
%RSD	33.907	.24545	1.6472	1.5870	.29763	1.2144	.18883	3.7638	.30720
#1	-.00342	49.925	.02461	.03263	.28668	.00209	95.231	.00134	.03213
#2	-.00210	49.752	.02519	.03338	.28548	.00213	94.977	.00127	.03199
Check ?	Chk 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	**.06330**	**.10078**	**85.700**	**5.6911**	**6.3816**	**.05983**	**51.138**	**2.9345**	**.00299**
Stddev	.00062	.00021	.072	.0632	.0551	.00039	.044	.0048	.00022
%RSD	.97724	.20900	.08432	1.1099	.86346	.65944	.08625	.16480	7.3999
#1	.06374	.10064	85.752	5.7358	6.4205	.06011	51.107	2.9311	.00284
#2	.06286	.10093	85.649	5.6465	6.3426	.05955	51.169	2.9380	.00315
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	**.66709**	**.06974**	**.07864**	**1.404**	**-.00391**	**.00066**	**15.722**	**.02738**	**.16725**
Stddev	.00134	.00051	.00061	.007	.00004	.00398	.079	.00102	.00061
%RSD	.20048	.73685	.77331	.4818	1.1335	602.50	.49982	3.7421	.36303
#1	.66803	.07010	.07907	1.409	-.00395	-.00215	15.778	.02810	.16768
#2	.66614	.06937	.07821	1.399	-.00388	.00347	15.667	.02665	.16682
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	**1.1603**	**.00090**	**.10226**	**.32397**
Stddev	.0015	.00044	.00077	.00274
%RSD	.12751	49.002	.75275	.84654
#1	1.1613	.00059	.10280	.32203
#2	1.1592	.00122	.10171	.32591
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				
Low Limit				

Int. Std.	In2306	Y_2243	Y_3600	Y_3774
Line	230.606 {446}	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**2809.2**	**4532.2**	**66188.**	**14387.**
Stddev	3.0	1.8	161.	41.
%RSD	.10826	.03957	.24273	.28444
#1	2807.0	4533.4	66074.	14358.
#2	2811.3	4530.9	66302.	14416.

Sample Name: CCV Acquired: 3/14/2014 11:46:32 Type: QC
Method: ICAP1 New RLs at low cal point Mode: CONC Corr. Factor: 1.000000
User: AMH 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	**.49979**	**25.737**	**.51070**	**.49279**	**.50801**	**.51230**	**25.429**	**.49827**	**.50127**	**.51749**	**.51011**	**25.416**
Stddev	.00103	.091	.00109	.00011	.00161	.00166	.081	.00045	.00073	.00163	.00033	.079
%RSD	.20637	.35218	.21435	.02142	.31767	.32457	.31828	.09056	.14636	.31498	.06541	.31207
#1	.50052	25.801	.50992	.49272	.50915	.51347	25.486	.49859	.50179	.51864	.51035	25.472
#2	.49906	25.673	.51147	.49287	.50687	.51112	25.371	.49795	.50075	.51633	.50988	25.360
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	**25.030**	**25.489**	**.51353**	**25.431**	**.51544**	**.50318**	**24.914**	**.50456**	**.50266**	**24.85**	**.50331**	**.50109**
Stddev	.028	.058	.00082	.015	.00100	.00071	.040	.00216	.00013	.08	.00077	.00024
%RSD	.11181	.22646	.15939	.05755	.19416	.14088	.15932	.42898	.02662	.3043	.15212	.04703
#1	25.010	25.530	.51295	25.442	.51615	.50369	24.942	.50609	.50256	24.79	.50386	.50126
#2	25.050	25.448	.51410	25.421	.51473	.50268	24.886	.50303	.50275	24.90	.50277	.50093
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	**25.227**	**.52124**	**.50688**	**.50473**	**.49974**	**.50501**	**.51530**
Stddev	.027	.00092	.00080	.00106	.00164	.00002	.00178
%RSD	.10650	.17566	.15724	.21084	.32764	.00446	.34631
#1	25.208	.52189	.50744	.50548	.49858	.50502	.51657
#2	25.246	.52059	.50631	.50398	.50090	.50499	.51404
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	**3019.0**	**4552.1**	**66021.**	**13946.**
Stddev	7.0	10.1	64.	18.
%RSD	.23115	.22209	.09623	.12596
#1	3024.0	4559.3	65976.	13933.
#2	3014.1	4545.0	66066.	13958.

Sample Name: CCB Acquired: 3/14/2014 11:49:10 Type: QC
Method: ICAP1 New RLs at low cal point Mode: CONC Corr. Factor: 1.000000
User: AMH 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	**-.00087**	**.00348**	**-.00044**	**.00087**	**.00019**	**.00006**	**.00519**	**-.00002**	**-.00007**	**-.00005**	**.00008**	**.00262**
Stddev	.00020	.01123	.00197	.00035	.00002	.00005	.00143	.00004	.00005	.00009	.00044	.00095
%RSD	23.512	323.06	443.68	40.447	11.750	86.621	27.472	223.76	65.349	167.76	573.45	36.318
#1	-.00072	.01142	.00095	.00111	.00018	.00002	.00620	-.00005	-.00004	.00001	.00039	.00330
#2	-.00101	-.00447	-.00184	.00062	.00021	.00010	.00419	.00001	-.00010	-.00012	-.00024	.00195
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	**-.07972**	**.00182**	**.00120**	**.00002**	**.00006**	**.00037**	**-.01085**	**-.00014**	**-.00010**	**.0006**	**-.00178**	**.00134**
Stddev	.00326	.00032	.00028	.00069	.00002	.00002	.00165	.00005	.00038	.0023	.00031	.00008
%RSD	4.0890	17.435	23.106	3661.5	26.722	5.2143	15.238	34.772	363.74	400.3	17.621	5.6192
#1	-.07741	.00204	.00101	-.00047	.00005	.00039	-.01201	-.00017	.00016	.0022	-.00200	.00140
#2	-.08202	.00160	.00140	.00051	.00008	.00036	-.00968	-.00010	-.00037	-.0010	-.00156	.00129
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	Si2881	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.01323**	**.00007**	**-.00001**	**.00052**	**.00165**	**-.00020**	**.00027**
Stddev	.01506	.00003	.00006	.00012	.00129	.00019	.00008
%RSD	113.86	40.065	829.46	23.595	77.926	95.035	29.783
#1	.00258	.00009	.00004	.00043	.00256	-.00006	.00021
#2	.02388	.00005	-.00005	.00060	.00074	-.00033	.00033
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	**3339.1**	**4666.2**	**68356.**	**13881.**
Stddev	10.5	19.5	325.	101.
%RSD	.31323	.41687	.47565	.72859
#1	3331.7	4652.4	68126.	13953.
#2	3346.5	4679.9	68586.	13810.

Sample Name: CCVL Acquired: 3/14/2014 11:51:57 Type: QC
Method: ICAP1 New RLs at low cal point Mode: CONC Corr. Factor: 1.000000
User: AMH 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	**.00510**	**.21293**	**.01561**	**.01971**	**.00235**	**.00214**	**.50940**	**.00193**	**.00395**	**.00362**	**.00996**	**.05277**
Stddev	.00032	.01237	.00052	.00023	.00001	.00003	.00189	.00008	.00005	.00017	.00022	.00102
%RSD	6.2037	5.8084	3.3205	1.1890	.52817	1.3713	.37056	4.2187	1.1486	4.7165	2.2485	1.9283
#1	.00487	.22167	.01525	.01987	.00236	.00216	.50806	.00199	.00392	.00350	.00980	.05349
#2	.00532	.20418	.01598	.01954	.00234	.00212	.51073	.00187	.00398	.00374	.01012	.05205
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	**.39137**	**.41824**	**.03148**	**.20276**	**.00351**	**.01033**	**.98345**	**.01075**	**.00876**	**.1953**	**.01788**	**.02585**
Stddev	.01366	.00364	.00045	.00087	.00002	.00007	.00601	.00021	.00079	.0002	.00106	.00278
%RSD	3.4909	.86928	1.4388	.43059	.62908	.71736	.61105	1.9498	9.0475	.0925	5.9148	10.748
#1	.38171	.41567	.03180	.20214	.00350	.01038	.97920	.01060	.00932	.1955	.01863	.02782
#2	.40103	.42082	.03116	.20338	.00353	.01027	.98770	.01090	.00820	.1952	.01713	.02389
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	**.49679**	**.01054**	**.00500**	**.00486**	**.02078**	**.00519**	**.01018**
Stddev	.00620	.00009	.00005	.00006	.00083	.00008	.00033
%RSD	1.2476	.82918	.92398	1.3259	4.0187	1.5908	3.2459
#1	.49241	.01048	.00503	.00491	.02137	.00525	.00995
#2	.50118	.01060	.00496	.00482	.02019	.00513	.01042
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	**3413.8**	**4791.4**	**70180.**	**14386.**
Stddev	6.6	.0	67.	61.
%RSD	.19404	.00099	.09546	.42583
#1	3418.5	4791.5	70132.	14429.
#2	3409.1	4791.4	70227.	14343.

Sample Name: 480-55333-A-1-A Acquired: 3/14/2014 11:54:45 Type: Unk
Method: ICAP1 New RLs at low cal point Mode: CONC Corr. Factor: 1.000000
User: AMH 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	F **-.00654**	**17.885**	**.12212**	**.62020**	**.67929**	**.00018**	**342.13**	**.01860**	**.95042**
Stddev	.00110	.058	.00692	.00075	.00016	.00014	1.36	.00011	.00029
%RSD	16.771	.32316	5.6681	.12105	.02294	81.152	.39794	.59269	.03012
#1	-.00577	17.844	.12702	.61967	.67918	.00008	341.16	.01868	.95022
#2	-.00732	17.926	.11723	.62073	.67940	.00028	343.09	.01852	.95063
Check ?	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	1.9800								
Low Limit	-.00300								

Elem	Cr2677	Cu3247	Fe2714	K_7664	K_7664-2	Li6707	Mg2790	Mn2576	Mn2576-2
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}	257.610 {131}2
IS Ref	(Y_3600)	(Y_3600)	(Y_3774)	(Y_3774)	(Y_3774)	(Y_3774)	(Y_3600)	(Y_3600)	(Y_3600)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**14.146**	**2.6734**	F **2018.1**	**25.180**	**40.554**	**.04182**	**37.443**	**13.900**	**16.036**
Stddev	.014	.0044	6.3	.039	.554	.00092	.025	.009	.055
%RSD	.09663	.16590	.30978	.15637	1.3661	2.2066	.06608	.06236	.34068
#1	14.136	2.6703	2013.7	25.208	40.163	.04116	37.461	13.894	15.998
#2	14.156	2.6766	2022.5	25.152	40.946	.04247	37.426	13.906	16.075
Check ?	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit			720.00						
Low Limit			-.05000						

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	**.07289**	**363.82**	**.85913**	**62.139**	F **192.9**	**.95850**	**.00700**	**8.4653**	**.28587**
Stddev	.00073	.34	.00147	.001	.5	.00645	.00186	.0146	.00100
%RSD	.99563	.09324	.17103	.00160	.2384	.67281	26.613	.17212	.35105
#1	.07341	363.58	.86017	62.138	193.2	.96306	.00569	8.4550	.28658
#2	.07238	364.06	.85809	62.140	192.5	.95394	.00832	8.4756	.28516
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					9.000				
Low Limit					-.2000				

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	**.59162**	**6.7657**	F **-.03486**	**.10947**	**12.267**
Stddev	.00017	.0038	.00246	.00027	.018
%RSD	.02844	.05662	7.0584	.24371	.14515
#1	.59150	6.7684	-.03312	.10928	12.254
#2	.59174	6.7629	-.03660	.10965	12.279
Check ?	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass
High Limit			36.000		
Low Limit			-.02000		

Int. Std.	In2306	Y_2243	Y_3600	Y_3774
Line	230.606 {446}	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**1932.2**	**3639.6**	**54520.**	**12617.**
Stddev	5.7	12.7	87.	23.
%RSD	.29717	.34838	.15998	.18086
#1	1928.1	3630.7	54458.	12601.
#2	1936.2	3648.6	54581.	12633.

Sample Name: 460-71974-F-1-B Acquired: 3/14/2014 11:57:53 Type: Unk
Method: ICAP1 New RLs at low cal point Mode: CONC Corr. Factor: 1.000000
User: AMH 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	**.00069**	**.66472**	**.00150**	**.21347**	**.43968**	**-.00003**	**6.9799**	**.00062**	**.05203**
Stddev	.00039	.01276	.00248	.00001	.00120	.00006	.0061	.00003	.00004
%RSD	56.731	1.9195	165.71	.00403	.27184	161.39	.08699	5.0914	.08448
#1	.00096	.67374	-.00026	.21348	.44053	.00000	6.9842	.00060	.05200
#2	.00041	.65569	.00325	.21347	.43884	-.00007	6.9756	.00064	.05207
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Cr2677	Cu3247	Fe2599	K_7664	K_7664-2	Li6707	Mg2790	Mn2576	Mo2020
Line	267.716 {126}	324.754 {104}	259.940 {130}	766.490 { 44}	766.490 { 44}2	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}
IS Ref	(Y_3600)	(Y_3600)	(Y_3774)	(Y_3774)	(Y_3774)	(Y_3774)	(Y_3600)	(Y_3600)	(Y_2243)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.01345**	**.07642**	**12.145**	**1.6586**	**1.5625**	**.00321**	**1.0812**	**.11383**	**.12932**
Stddev	.00027	.00033	.031	.0201	.0056	.00008	.0045	.00004	.00006
%RSD	2.0330	.43175	.25473	1.2122	.35541	2.5094	.41125	.03802	.04385
#1	.01325	.07619	12.167	1.6444	1.5664	.00315	1.0781	.11380	.12928
#2	.01364	.07666	12.123	1.6728	1.5586	.00327	1.0844	.11386	.12936
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	**9.9012**	**.00579**	**.15707**	**7.607**	**.01851**	**.00204**	**1.3887**	**1.4481**	**.01010**
Stddev	.0052	.00017	.00141	.021	.00148	.00189	.0104	.0055	.00004
%RSD	.05250	2.8909	.89769	.2717	7.9957	92.425	.74533	.37936	.35220
#1	9.8975	.00591	.15807	7.622	.01747	.00071	1.3814	1.4519	.01013
#2	9.9049	.00567	.15607	7.592	.01956	.00337	1.3960	1.4442	.01008
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	**.01040**	**-.00140**	**.00128**	**1.6543**
Stddev	.00059	.00188	.00010	.0089
%RSD	5.7063	134.90	7.9585	.53570
#1	.00998	-.00006	.00135	1.6480
#2	.01082	-.00273	.00121	1.6606
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				
Low Limit				

Int. Std.	In2306	Y_2243	Y_3600	Y_3774
Line	230.606 {446}	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**3142.1**	**4409.9**	**65229.**	**13886.**
Stddev	4.7	4.2	55.	15.
%RSD	.14847	.09613	.08460	.10514
#1	3138.8	4406.9	65268.	13875.
#2	3145.4	4412.9	65190.	13896.

Sample Name: 480-55339-B-2-A@50 Acquired: 3/14/2014 12:00:34 Type: Unk
Method: ICAP1 New RLs at low cal point Mode: CONC Corr. Factor: 1.000000
User: AMH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	B_2089	Ba4554-2	Be3130	Ca3179	Cd2288	Co2286
Line	328.068 {103}	308.215 {109}	189.042 {478}	208.959 {461}	455.403 { 74}2	313.042 {108}	317.933 {106}	228.802 {447}	228.616 {447}
IS Ref	(Y_3600)	(Y_3774)	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3774)	(Y_3774)	(Y_2243)	(In2306)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00249**	**.02163**	**.00252**	**.76580**	**.01269**	**-.00012**	F **2136.9**	**.00031**	**.00017**
Stddev	.00062	.00367	.00009	.00207	.00007	.00002	3.9	.00011	.00024
%RSD	24.919	16.970	3.6147	.27027	.51317	17.626	.18394	33.883	146.44
#1	-.00205	.02423	.00245	.76433	.01264	-.00013	2134.2	.00039	.00034
#2	-.00293	.01903	.00258	.76726	.01273	-.00010	2139.7	.00024	-.00001
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass
High Limit							900.00		
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	**.00345**	**.00983**	**2.9033**	**104.86**	**116.93**	**2.0677**	**.15608**	**.04157**	**.00245**
Stddev	.00035	.00001	.0039	.43	3.01	.0103	.00040	.00006	.00038
%RSD	10.170	.11616	.13528	.41247	2.5725	.49557	.25328	.15596	15.571
#1	.00370	.00984	2.9061	104.56	119.06	2.0605	.15636	.04161	.00218
#2	.00321	.00982	2.9005	105.17	114.80	2.0750	.15580	.04152	.00272
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Na5895	Ni2316	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899	Sr4077
Line	589.592 { 57}	231.604 {446}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}2	189.989 {477}	407.771 { 83}
IS Ref	(Y_3774)	(In2306)	(In2306)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3774)	(In2306)	(Y_3774)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**48.407**	**.00416**	**.00230**	**.4280**	**.00038**	**.00522**	**.02976**	**.00012**	F **36.937**
Stddev	.184	.00041	.00193	.0013	.00141	.00166	.00823	.00035	.065
%RSD	.38107	9.9018	84.022	.2995	375.81	31.833	27.654	295.79	.17522
#1	48.276	.00387	.00366	.4271	.00137	.00404	.02394	.00037	36.891
#2	48.537	.00445	.00093	.4289	-.00062	.00639	.03558	-.00013	36.982
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail
High Limit									9.0000
Low Limit									-.00500

Elem	Ti3349	Tl1908	V_2924	Zn2062
Line	334.904 {101}	190.856 {477}	292.402 {115}	206.200 {163}
IS Ref	(Y_3600)	(In2306)	(Y_3600)	(Y_3600)
Units	ppm	ppm	ppm	ppm
Avg	**.00881**	**-.00129**	**.00029**	**.00265**
Stddev	.00114	.00270	.00001	.00049
%RSD	12.985	209.29	2.8262	18.487
#1	.00801	.00062	.00029	.00300
#2	.00962	-.00320	.00028	.00230
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				
Low Limit				

Int. Std.	In2306	Y_2243	Y_3600	Y_3774
Line	230.606 {446}	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**2209.9**	**3671.7**	**53409.**	**12527.**
Stddev	3.0	9.7	49.	31.
%RSD	.13468	.26437	.09135	.25000
#1	2212.0	3678.5	53443.	12505.
#2	2207.8	3664.8	53374.	12549.

Sample Name: 480-55339-B-2-A@100 Acquired: 3/14/2014 12:03:36 Type: Unk
Method: ICAP1 New RLs at low cal point Mode: CONC Corr. Factor: 1.000000
User: AMH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	B_2089	Ba4554-2	Be3130	Ca3179	Cd2288	Co2286
Line	328.068 {103}	308.215 {109}	189.042 {478}	208.959 {461}	455.403 { 74}2	313.042 {108}	317.933 {106}	228.802 {447}	228.616 {447}
IS Ref	(Y_3600)	(Y_3774)	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3774)	(Y_3774)	(Y_2243)	(In2306)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00161**	**.01820**	**-.00274**	**.37637**	**.00636**	**.00002**	F **1130.2**	**.00022**	**-.00008**
Stddev	.00003	.02522	.00076	.00020	.00002	.00007	3.4	.00008	.00006
%RSD	1.7257	138.52	27.568	.05272	.30619	437.35	.30376	38.227	69.774
#1	-.00159	.00037	-.00327	.37623	.00638	.00007	1127.7	.00016	-.00004
#2	-.00163	.03604	-.00221	.37651	.00635	-.00004	1132.6	.00028	-.00013
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass
High Limit							900.00		
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	**.00302**	**.00528**	**1.4842**	**50.300**	**62.614**	**1.0013**	**.07857**	**.02129**	**.00155**
Stddev	.00068	.00026	.0430	.156	.344	.0038	.00157	.00014	.00016
%RSD	22.364	4.9924	2.9000	.31027	.54903	.37523	2.0004	.67083	10.299
#1	.00350	.00547	1.4538	50.410	62.371	1.0039	.07745	.02139	.00143
#2	.00255	.00510	1.5147	50.190	62.857	.99863	.07968	.02119	.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	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	**23.214**	**.00189**	**.00169**	**.1821**	**-.00142**	**.00370**	**.00587**	**.00044**	F **19.360**
Stddev	.005	.00008	.00212	.0012	.00088	.00367	.00811	.00033	.107
%RSD	.02130	4.1922	125.23	.6376	61.532	99.331	138.15	74.100	.55362
#1	23.217	.00184	.00319	.1813	-.00080	.00110	.00014	.00067	19.285
#2	23.210	.00195	.00019	.1829	-.00204	.00629	.01161	.00021	19.436
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail
High Limit									9.0000
Low Limit									-.00500

Elem	Ti3349	Tl1908	V_2924	Zn2062
Line	334.904 {101}	190.856 {477}	292.402 {115}	206.200 {163}
IS Ref	(Y_3600)	(In2306)	(Y_3600)	(Y_3600)
Units	ppm	ppm	ppm	ppm
Avg	**.00423**	**.00032**	**.00016**	**.00104**
Stddev	.00017	.00234	.00017	.00070
%RSD	4.1116	742.52	103.23	67.102
#1	.00436	.00197	.00028	.00154
#2	.00411	-.00134	.00004	.00055
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				
Low Limit				

Int. Std.	In2306	Y_2243	Y_3600	Y_3774
Line	230.606 {446}	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**2452.6**	**3912.6**	**57099.**	**13042.**
Stddev	3.0	.3	6.	26.
%RSD	.12142	.00734	.01094	.19974
#1	2454.8	3912.4	57095.	13061.
#2	2450.5	3912.8	57104.	13024.

Sample Name: 480-55339-B-2-A@200 Acquired: 3/14/2014 12:06:39 Type: Unk
Method: ICAP1 New RLs at low cal point Mode: CONC Corr. Factor: 1.000000
User: AMH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	B_2089	Ba4554-2	Be3130	Ca3179	Cd2288	Co2286
Line	328.068 {103}	308.215 {109}	189.042 {478}	208.959 {461}	455.403 { 74}2	313.042 {108}	317.933 {106}	228.802 {447}	228.616 {447}
IS Ref	(Y_3600)	(Y_3774)	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3774)	(Y_3774)	(Y_2243)	(In2306)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00133**	**.01149**	**-.00120**	**.18096**	**.00316**	**-.00003**	**559.86**	**.00023**	**.00002**
Stddev	.00034	.01863	.00021	.00064	.00002	.00003	.93	.00004	.00001
%RSD	25.670	162.08	17.430	.35156	.65486	103.33	.16612	16.479	78.975
#1	-.00109	.02466	-.00105	.18051	.00314	-.00001	560.52	.00025	.00001
#2	-.00157	-.00168	-.00134	.18141	.00317	-.00005	559.20	.00020	.00003
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Cr2677	Cu3247	Fe2599	K_7664	K_7664-2	Li6707	Mg2790	Mn2576	Mo2020
Line	267.716 {126}	324.754 {104}	259.940 {130}	766.490 { 44}	766.490 { 44}2	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}
IS Ref	(Y_3600)	(Y_3600)	(Y_3774)	(Y_3774)	(Y_3774)	(Y_3774)	(Y_3600)	(Y_3600)	(Y_2243)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00115**	**.00253**	**.71143**	**23.653**	**30.016**	**.47695**	**.03135**	**.01021**	**.00071**
Stddev	.00017	.00011	.00439	.000	.315	.00118	.00029	.00014	.00028
%RSD	14.685	4.2898	.61673	.00051	1.0497	.24731	.93221	1.4126	39.152
#1	.00103	.00260	.71454	23.653	30.239	.47778	.03114	.01031	.00051
#2	.00127	.00245	.70833	23.653	29.793	.47611	.03156	.01011	.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	Na5895	Ni2316	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899	Sr4077
Line	589.592 { 57}	231.604 {446}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}2	189.989 {477}	407.771 { 83}
IS Ref	(Y_3774)	(In2306)	(In2306)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3774)	(In2306)	(Y_3774)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**10.939**	**-.00009**	**.00243**	**.0775**	**-.00109**	**-.00070**	**-.01253**	**.00024**	F **9.4680**
Stddev	.020	.00173	.00238	.0008	.00059	.00087	.00532	.00101	.0216
%RSD	.18234	2003.2	97.920	1.052	54.086	124.74	42.435	417.01	.22865
#1	10.953	-.00131	.00075	.0770	-.00067	-.00008	-.00877	-.00047	9.4833
#2	10.925	.00114	.00411	.0781	-.00151	-.00131	-.01629	.00095	9.4527
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail
High Limit									9.0000
Low Limit									-.00500

Elem	Ti3349	Tl1908	V_2924	Zn2062
Line	334.904 {101}	190.856 {477}	292.402 {115}	206.200 {163}
IS Ref	(Y_3600)	(In2306)	(Y_3600)	(Y_3600)
Units	ppm	ppm	ppm	ppm
Avg	**.00216**	**-.00108**	**.00028**	**.00090**
Stddev	.00007	.00185	.00008	.00035
%RSD	3.0632	171.27	27.738	38.536
#1	.00221	-.00239	.00023	.00065
#2	.00212	.00023	.00034	.00114
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				
Low Limit				

Int. Std.	In2306	Y_2243	Y_3600	Y_3774
Line	230.606 {446}	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**2670.0**	**4121.0**	**60583.**	**13494.**
Stddev	.2	9.3	254.	27.
%RSD	.00787	.22464	.42000	.20120
#1	2670.2	4127.6	60403.	13475.
#2	2669.9	4114.5	60763.	13513.

Sample Name: RB Acquired: 3/14/2014 12:09:42 Type: Unk
Method: ICAP1 New RLs at low cal point Mode: CONC Corr. Factor: 1.000000
User: AMH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	B_2089	Ba4554-2	Be3130	Ca3179	Cd2288	Co2286
Line	328.068 {103}	308.215 {109}	189.042 {478}	208.959 {461}	455.403 { 74}2	313.042 {108}	317.933 {106}	228.802 {447}	228.616 {447}
IS Ref	(Y_3600)	(Y_3774)	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3774)	(Y_3774)	(Y_2243)	(In2306)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00146**	**.00353**	**-.00045**	**.00099**	**.00013**	**.00003**	**.02817**	**.00002**	**-.00003**
Stddev	.00019	.00298	.00131	.00004	.00001	.00004	.00419	.00000	.00006
%RSD	13.270	84.459	291.82	4.4473	11.555	122.54	14.881	1.9241	219.31
#1	-.00160	.00142	.00048	.00095	.00012	.00000	.03113	.00002	-.00007
#2	-.00132	.00564	-.00138	.00102	.00014	.00006	.02520	.00002	.00002
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Cr2677	Cu3247	Fe2599	K_7664	K_7664-2	Li6707	Mg2790	Mn2576	Mo2020
Line	267.716 {126}	324.754 {104}	259.940 {130}	766.490 { 44}	766.490 { 44}2	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}
IS Ref	(Y_3600)	(Y_3600)	(Y_3774)	(Y_3774)	(Y_3774)	(Y_3774)	(Y_3600)	(Y_3600)	(Y_2243)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00001**	**.00002**	**.00306**	**-.05473**	**.00253**	**.00153**	**.00082**	**.00003**	**.00020**
Stddev	.00004	.00006	.00119	.02965	.00023	.00064	.00002	.00004	.00009
%RSD	380.31	355.88	38.809	54.175	9.1318	41.752	2.3033	121.98	43.107
#1	.00002	.00006	.00390	-.07570	.00270	.00198	.00081	.00000	.00014
#2	-.00003	-.00003	.00222	-.03377	.00237	.00108	.00084	.00006	.00026
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	**-.00475**	**-.00005**	**-.00084**	**.0010**	**-.00142**	**-.00008**	**-.01445**	**.00037**	**.00055**
Stddev	.00311	.00023	.00039	.0034	.00020	.00215	.00381	.00020	.00004
%RSD	65.510	469.75	45.881	328.5	14.115	2736.6	26.361	54.367	7.8877
#1	-.00255	-.00021	-.00111	-.0014	-.00128	.00144	-.01176	.00051	.00058
#2	-.00695	.00011	-.00057	.0035	-.00156	-.00160	-.01714	.00023	.00052
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Ti3349	Tl1908	V_2924	Zn2062
Line	334.904 {101}	190.856 {477}	292.402 {115}	206.200 {163}
IS Ref	(Y_3600)	(In2306)	(Y_3600)	(Y_3600)
Units	ppm	ppm	ppm	ppm
Avg	**.00070**	**.00073**	**.00016**	**-.00017**
Stddev	.00015	.00173	.00004	.00001
%RSD	21.080	236.97	28.159	8.2550
#1	.00059	.00196	.00019	-.00018
#2	.00080	-.00049	.00013	-.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	**3336.5**	**4664.9**	**68436.**	**13940.**
Stddev	5.6	17.9	184.	29.
%RSD	.16885	.38470	.26915	.20486
#1	3332.6	4652.2	68306.	13960.
#2	3340.5	4677.5	68566.	13920.

Sample Name: 54882-13 tot raw Acquired: 3/14/2014 12:12:29 Type: Unk
Method: ICAP1 New RLs at low cal point Mode: CONC Corr. Factor: 1.000000
User: AMH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	B_2089	Ba4554-2	Be3130	Ca3179	Cd2288	Co2286
Line	328.068 {103}	308.215 {109}	189.042 {478}	208.959 {461}	455.403 { 74}2	313.042 {108}	317.933 {106}	228.802 {447}	228.616 {447}
IS Ref	(Y_3600)	(Y_3774)	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3774)	(Y_3774)	(Y_2243)	(In2306)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00129**	**.15436**	**.00012**	**.00270**	**.00564**	**.00009**	**.09428**	**-.00024**	**.00059**
Stddev	.00049	.00439	.00052	.00003	.00047	.00004	.00002	.00004	.00007
%RSD	37.871	2.8462	423.51	1.0820	8.3873	44.181	.02515	15.842	11.110
#1	-.00095	.15747	.00049	.00272	.00598	.00006	.09426	-.00021	.00063
#2	-.00164	.15125	-.00024	.00268	.00531	.00012	.09429	-.00027	.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	**.00010**	**-.00012**	**.11278**	**.66965**	**.72391**	**.00158**	**.74926**	**.02897**	**.00005**
Stddev	.00036	.00006	.00145	.00791	.00280	.00015	.00664	.00033	.00000
%RSD	350.85	48.637	1.2813	1.1817	.38734	9.7140	.88633	1.1443	6.3548
#1	-.00015	-.00016	.11176	.67525	.72193	.00169	.74456	.02873	.00005
#2	.00035	-.00008	.11381	.66406	.72590	.00147	.75395	.02920	.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	**.91926**	**.00104**	**.00072**	**.0573**	**-.00085**	**-.00102**	**2.8156**	**-.00022**	**.00384**
Stddev	.00104	.00017	.00080	.0021	.00025	.00142	.0263	.00060	.00003
%RSD	.11269	16.770	111.08	3.661	29.005	140.14	.93354	266.52	.87323
#1	.91853	.00116	.00128	.0588	-.00067	-.00001	2.8342	.00020	.00386
#2	.92000	.00092	.00015	.0558	-.00102	-.00202	2.7970	-.00064	.00382
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	**.00811**	**.00355**	**.00048**	**.00354**
Stddev	.00377	.00281	.00039	.00036
%RSD	46.483	79.073	79.592	10.059
#1	.01078	.00156	.00076	.00329
#2	.00545	.00553	.00021	.00380
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				
Low Limit				

Int. Std.	In2306	Y_2243	Y_3600	Y_3774
Line	230.606 {446}	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**3744.4**	**5264.4**	**76973.**	**15599.**
Stddev	20.9	35.9	828.	32.
%RSD	.55866	.68164	1.0755	.20533
#1	3759.2	5289.8	77558.	15621.
#2	3729.6	5239.0	76387.	15576.

Sample Name: 54882-9 tot raw Acquired: 3/14/2014 12:15:17 Type: Unk
Method: ICAP1 New RLs at low cal point Mode: CONC Corr. Factor: 1.000000
User: AMH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	B_2089	Ba4554-2	Be3130	Ca3179	Cd2288	Co2286
Line	328.068 {103}	308.215 {109}	189.042 {478}	208.959 {461}	455.403 { 74}2	313.042 {108}	317.933 {106}	228.802 {447}	228.616 {447}
IS Ref	(Y_3600)	(Y_3774)	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3774)	(Y_3774)	(Y_2243)	(In2306)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00110**	**.15220**	**-.00068**	**.00238**	**.00426**	**.00004**	**.20688**	**-.00021**	**.00141**
Stddev	.00015	.00286	.00004	.00002	.00033	.00001	.00245	.00004	.00001
%RSD	13.748	1.8777	5.7714	.68712	7.8007	14.738	1.1850	20.840	.67197
#1	-.00121	.15422	-.00070	.00239	.00449	.00004	.20862	-.00025	.00142
#2	-.00100	.15018	-.00065	.00237	.00402	.00004	.20515	-.00018	.00141
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Cr2677	Cu3247	Fe2599	K_7664	K_7664-2	Li6707	Mg2790	Mn2576	Mo2020
Line	267.716 {126}	324.754 {104}	259.940 {130}	766.490 { 44}	766.490 { 44}2	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}
IS Ref	(Y_3600)	(Y_3600)	(Y_3774)	(Y_3774)	(Y_3774)	(Y_3774)	(Y_3600)	(Y_3600)	(Y_2243)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00007**	**.00148**	**.08182**	**.69388**	**.74765**	**.00187**	**.67559**	**.01889**	**.00008**
Stddev	.00020	.00015	.00286	.02302	.00761	.00015	.01177	.00024	.00016
%RSD	271.61	10.416	3.4938	3.3176	1.0182	8.2246	1.7419	1.2737	209.53
#1	.00007	.00159	.07980	.71016	.74226	.00176	.66727	.01872	-.00004
#2	-.00021	.00137	.08384	.67760	.75303	.00198	.68391	.01906	.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	**2.4846**	**.00155**	**.00048**	**1.177**	**-.00059**	**-.00136**	**2.5317**	**-.00077**	**.00304**
Stddev	.0122	.00008	.00027	.005	.00127	.00093	.0171	.00013	.00005
%RSD	.49196	5.3915	55.980	.3910	216.13	68.503	.67678	16.743	1.7303
#1	2.4760	.00149	.00029	1.180	.00031	-.00202	2.5196	-.00086	.00308
#2	2.4932	.00160	.00068	1.174	-.00149	-.00070	2.5438	-.00068	.00300
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	**.00480**	**.00315**	**.00024**	**.01396**
Stddev	.00060	.00078	.00019	.00008
%RSD	12.538	24.575	78.728	.58108
#1	.00438	.00370	.00010	.01390
#2	.00523	.00261	.00037	.01401
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				
Low Limit				

Int. Std.	In2306	Y_2243	Y_3600	Y_3774
Line	230.606 {446}	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**3684.3**	**5180.9**	**76306.**	**15599.**
Stddev	10.8	17.0	489.	205.
%RSD	.29428	.32771	.64079	1.3162
#1	3691.9	5192.9	76651.	15744.
#2	3676.6	5168.9	75960.	15454.

Sample Name: RB Acquired: 3/14/2014 12:18:04 Type: Unk
Method: ICAP1 New RLs at low cal point Mode: CONC Corr. Factor: 1.000000
User: AMH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	B_2089	Ba4554-2	Be3130	Ca3179	Cd2288	Co2286
Line	328.068 {103}	308.215 {109}	189.042 {478}	208.959 {461}	455.403 { 74}2	313.042 {108}	317.933 {106}	228.802 {447}	228.616 {447}
IS Ref	(Y_3600)	(Y_3774)	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3774)	(Y_3774)	(Y_2243)	(In2306)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00154**	**-.00090**	**-.00213**	**-.00008**	**.00222**	**-.00001**	**.00481**	**-.00000**	**-.00011**
Stddev	.00043	.00416	.00146	.00018	.00024	.00000	.00530	.00003	.00004
%RSD	27.867	460.70	68.392	217.72	10.822	51.757	110.23	4802.8	38.378
#1	-.00123	.00204	-.00316	-.00020	.00205	-.00001	.00856	-.00003	-.00014
#2	-.00184	-.00384	-.00110	.00004	.00239	-.00001	.00106	.00002	-.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	**-.00042**	**.00001**	**.00281**	**-.09012**	**.00056**	**.00121**	**-.00323**	**.00003**	**.00009**
Stddev	.00057	.00001	.00103	.02876	.00002	.00050	.00044	.00005	.00015
%RSD	137.29	79.403	36.656	31.912	4.0374	41.525	13.749	179.83	165.90
#1	-.00001	.00002	.00208	-.11046	.00057	.00157	-.00291	-.00001	.00020
#2	-.00082	.00001	.00353	-.06978	.00054	.00086	-.00354	.00006	-.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	**-.01298**	**.00025**	**.00066**	**.0041**	**-.00253**	**.00100**	**-.01798**	**.00017**	**.00012**
Stddev	.00245	.00029	.00025	.0003	.00007	.00106	.00023	.00037	.00001
%RSD	18.913	113.56	38.083	6.336	2.6899	105.43	1.2939	216.83	9.1974
#1	-.01472	.00046	.00084	.0043	-.00248	.00175	-.01781	-.00009	.00011
#2	-.01124	.00005	.00048	.0040	-.00258	.00025	-.01814	.00043	.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	Ti3349	Tl1908	V_2924	Zn2062
Line	334.904 {101}	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**	**.00044**	**-.00008**	**.00028**
Stddev	.00018	.00036	.00004	.00016
%RSD	49.535	82.613	50.807	58.606
#1	.00048	.00018	-.00011	.00040
#2	.00023	.00069	-.00005	.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	**3311.8**	**4612.7**	**67724.**	**13951.**
Stddev	2.8	19.6	310.	.
%RSD	.08529	.42594	.45747	.00356
#1	3309.9	4598.8	67943.	13950.
#2	3313.8	4626.6	67505.	13951.

Sample Name: CCV Acquired: 3/14/2014 12:20:51 Type: QC
Method: ICAP1 New RLs at low cal point Mode: CONC Corr. Factor: 1.000000
User: AMH 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	**.49776**	**25.624**	**.50778**	**.49291**	**.50889**	**.50909**	**25.132**	**.49807**	**.49820**	**.50716**	**.50671**	**25.143**
Stddev	.00205	.033	.00008	.00161	.00054	.00076	.006	.00125	.00040	.00202	.00154	.004
%RSD	.41249	.12787	.01590	.32612	.10562	.14977	.02472	.25007	.07947	.39774	.30469	.01646
#1	.49630	25.648	.50772	.49405	.50927	.50855	25.136	.49895	.49848	.50573	.50562	25.146
#2	.49921	25.601	.50784	.49177	.50851	.50963	25.127	.49719	.49792	.50858	.50780	25.140
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	**25.046**	**25.419**	**.51427**	**25.268**	**.51190**	**.50306**	**24.960**	**.50287**	**.50118**	**25.01**	**.50469**	**.50151**
Stddev	.006	.262	.00008	.063	.00081	.00048	.036	.00121	.00023	.02	.00043	.00198
%RSD	.02568	1.0295	.01515	.25010	.15873	.09572	.14372	.24005	.04592	.0645	.08566	.39482
#1	25.042	25.604	.51433	25.223	.51133	.50340	24.986	.50202	.50134	25.00	.50438	.50291
#2	25.051	25.234	.51422	25.312	.51248	.50272	24.935	.50372	.50102	25.03	.50499	.50011
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	**24.855**	**.51994**	**.50703**	**.50270**	**.50231**	**.49890**	**.50404**
Stddev	.132	.00028	.00044	.00028	.00300	.00110	.00467
%RSD	.53214	.05368	.08635	.05604	.59717	.22057	.92737
#1	24.762	.51974	.50734	.50290	.50019	.49812	.50074
#2	24.949	.52013	.50672	.50250	.50443	.49968	.50735
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	**3000.6**	**4513.5**	**65877.**	**13919.**
Stddev	2.0	2.4	264.	11.
%RSD	.06791	.05390	.40074	.08212
#1	3002.0	4511.8	66063.	13911.
#2	2999.1	4515.3	65690.	13927.

Sample Name: CCB Acquired: 3/14/2014 12:23:29 Type: QC
Method: ICAP1 New RLs at low cal point Mode: CONC Corr. Factor: 1.000000
User: AMH 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	**-.00098**	**.00447**	**-.00021**	**.00078**	**.00024**	**.00003**	**.00064**	**.00006**	**.00002**	**-.00012**	**-.00018**	**.00060**
Stddev	.00034	.00131	.00163	.00006	.00003	.00000	.00176	.00002	.00007	.00042	.00023	.00014
%RSD	34.841	29.379	784.98	8.2575	12.976	15.809	276.30	38.864	450.20	347.08	124.48	23.001
#1	-.00122	.00539	-.00136	.00082	.00022	.00002	.00189	.00008	.00007	-.00041	-.00002	.00050
#2	-.00074	.00354	.00094	.00073	.00027	.00003	-.00061	.00004	-.00004	.00017	-.00034	.00069
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	**-.08885**	**.00215**	**.00085**	**-.00269**	**-.00001**	**.00027**	**-.00965**	**-.00021**	**-.00054**	F **.0045**	**-.00106**	**-.00089**
Stddev	.01996	.00039	.00044	.00452	.00003	.00020	.00676	.00023	.00008	.0040	.00044	.00429
%RSD	22.471	18.020	52.143	168.03	269.22	74.382	70.050	109.46	14.734	89.71	41.764	479.72
#1	-.10296	.00188	.00117	-.00589	.00001	.00041	-.01443	-.00005	-.00049	.0073	-.00137	.00214
#2	-.07473	.00242	.00054	.00051	-.00003	.00013	-.00487	-.00038	-.00060	.0016	-.00075	-.00393
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
High Limit										.0030		
Low Limit										-.0040		

Elem	Si2881	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00086**	**.00005**	**.00010**	**.00014**	**.00095**	**.00010**	**-.00011**
Stddev	.00636	.00008	.00003	.00033	.00004	.00030	.00046
%RSD	742.04	153.04	25.909	229.52	4.6092	303.46	437.65
#1	-.00364	-.00000	.00012	.00038	.00092	-.00011	.00022
#2	.00536	.00011	.00008	-.00009	.00098	.00031	-.00043
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	**3324.5**	**4651.1**	**68957.**	**14078.**
Stddev	1.9	1.1	471.	39.
%RSD	.05706	.02304	.68370	.27445
#1	3323.2	4650.4	68624.	14106.
#2	3325.9	4651.9	69290.	14051.

Sample Name: CCVL Acquired: 3/14/2014 12:26:17 Type: QC
Method: ICAP1 New RLs at low cal point Mode: CONC Corr. Factor: 1.000000
User: AMH 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	**.00485**	**.21170**	**.01408**	**.01968**	**.00234**	**.00213**	**.49572**	**.00195**	**.00381**	**.00382**	**.00980**	**.05138**
Stddev	.00040	.00554	.00104	.00001	.00001	.00003	.00332	.00001	.00001	.00037	.00015	.00050
%RSD	8.2895	2.6147	7.3502	.06416	.34055	1.2799	.67002	.55185	.28974	9.6410	1.4944	.96394
#1	.00457	.21562	.01482	.01968	.00235	.00211	.49807	.00195	.00381	.00408	.00990	.05103
#2	.00514	.20779	.01335	.01969	.00233	.00214	.49337	.00196	.00380	.00356	.00969	.05173
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	**.37226**	**.41057**	**.03116**	**.20447**	**.00347**	**.01015**	**.95543**	**.01082**	**.00899**	**.1929**	**.01831**	**.02444**
Stddev	.01586	.00325	.00005	.00260	.00007	.00003	.00107	.00005	.00005	.0048	.00164	.00357
%RSD	4.2603	.79216	.17269	1.2698	2.0174	.25563	.11236	.45741	.60358	2.505	8.9722	14.588
#1	.36105	.40827	.03112	.20263	.00352	.01013	.95468	.01086	.00903	.1963	.01715	.02192
#2	.38348	.41287	.03120	.20630	.00342	.01017	.95619	.01079	.00895	.1895	.01947	.02696
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	**.47537**	**.01041**	**.00487**	**.00491**	**.02163**	**.00520**	**.01002**
Stddev	.01376	.00009	.00001	.00007	.00130	.00023	.00014
%RSD	2.8944	.90518	.18405	1.3650	6.0339	4.3322	1.4436
#1	.46564	.01048	.00486	.00496	.02255	.00504	.01012
#2	.48510	.01035	.00488	.00486	.02070	.00536	.00992
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	**3416.3**	**4788.8**	**70820.**	**14529.**
Stddev	4.2	7.2	89.	108.
%RSD	.12212	.14962	.12571	.74396
#1	3419.2	4793.8	70883.	14605.
#2	3413.3	4783.7	70757.	14452.

Sample Name: MB 480-169698/1-A Acquired: 3/14/2014 12:29:04 Type: Unk
Method: ICAP1 New RLs at low cal point Mode: CONC Corr. Factor: 1.000000
User: AMH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	B_2089	Ba4554-2	Be3130	Ca3179	Cd2288	Co2286
Line	328.068 {103}	308.215 {109}	189.042 {478}	208.959 {461}	455.403 { 74}2	313.042 {108}	317.933 {106}	228.802 {447}	228.616 {447}
IS Ref	(Y_3600)	(Y_3774)	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3774)	(Y_3774)	(Y_2243)	(In2306)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00157**	**-.00063**	**.00114**	**.00048**	**.00013**	**-.00003**	**.00831**	**-.00002**	**.00002**
Stddev	.00019	.01338	.00037	.00011	.00001	.00001	.00240	.00007	.00002
%RSD	12.387	2109.0	32.958	22.081	6.9044	48.576	28.831	282.24	107.00
#1	-.00143	.00883	.00087	.00056	.00012	-.00004	.00662	-.00007	.00000
#2	-.00171	-.01010	.00140	.00041	.00013	-.00002	.01001	.00002	.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	**-.00047**	**-.00002**	**.00173**	**-.09840**	**.00077**	**.00121**	**-.00229**	**-.00018**	**.00009**
Stddev	.00012	.00027	.00048	.01558	.00013	.00023	.00157	.00005	.00001
%RSD	26.143	1521.6	27.757	15.836	16.367	19.006	68.644	27.782	10.546
#1	-.00038	.00017	.00207	-.08739	.00086	.00137	-.00118	-.00014	.00008
#2	-.00055	-.00021	.00139	-.10942	.00068	.00104	-.00340	-.00021	.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	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	**-.00418**	**-.00025**	**.00010**	**.0020**	**-.00098**	**-.00128**	**-.01279**	**.00029**	**.00009**
Stddev	.00524	.00007	.00052	.0002	.00019	.00024	.01071	.00010	.00002
%RSD	125.52	26.642	537.48	8.645	19.625	19.157	83.760	33.076	22.059
#1	-.00047	-.00021	.00047	.0022	-.00112	-.00145	-.02036	.00036	.00007
#2	-.00788	-.00030	-.00027	.0019	-.00084	-.00110	-.00521	.00022	.00010
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Ti3349	Tl1908	V_2924	Zn2062
Line	334.904 {101}	190.856 {477}	292.402 {115}	206.200 {163}
IS Ref	(Y_3600)	(In2306)	(Y_3600)	(Y_3600)
Units	ppm	ppm	ppm	ppm
Avg	**.00015**	**.00072**	**.00011**	**.00035**
Stddev	.00030	.00034	.00019	.00008
%RSD	200.09	47.909	176.48	23.182
#1	-.00006	.00047	.00025	.00029
#2	.00037	.00096	-.00003	.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	**3379.6**	**4704.3**	**69856.**	**14420.**
Stddev	.8	1.9	193.	127.
%RSD	.02393	.03933	.27626	.88028
#1	3380.2	4705.6	69720.	14509.
#2	3379.0	4703.0	69993.	14330.

Sample Name: 480-55780-D-1-A@5 Acquired: 3/14/2014 12:31:52 Type: Unk
Method: ICAP1 New RLs at low cal point Mode: CONC Corr. Factor: 1.000000
User: AMH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	B_2089	Ba4554-2	Be3130	Ca3179	Cd2288	Co2286
Line	328.068 {103}	308.215 {109}	189.042 {478}	208.959 {461}	455.403 { 74}2	313.042 {108}	317.933 {106}	228.802 {447}	228.616 {447}
IS Ref	(Y_3600)	(Y_3774)	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3774)	(Y_3774)	(Y_2243)	(In2306)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00170**	**.03791**	**.00232**	**5.4596**	**.10187**	**.00006**	**25.062**	**.00012**	**.00029**
Stddev	.00011	.00585	.00173	.0026	.00019	.00004	.039	.00001	.00015
%RSD	6.6771	15.443	74.639	.04710	.19134	68.547	.15568	9.3699	52.330
#1	-.00178	.03377	.00110	5.4578	.10201	.00009	25.035	.00011	.00039
#2	-.00162	.04205	.00355	5.4615	.10173	.00003	25.090	.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	**.00322**	**.00309**	**.47912**	**28.961**	**34.981**	**.14416**	**20.785**	**.05084**	**.00068**
Stddev	.00016	.00031	.00146	.061	.284	.00038	.001	.00009	.00007
%RSD	5.0582	9.9756	.30435	.20959	.81121	.26647	.00520	.16780	10.932
#1	.00333	.00330	.48015	28.918	34.781	.14443	20.784	.05078	.00073
#2	.00310	.00287	.47809	29.004	35.182	.14389	20.785	.05090	.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	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	**140.23**	**.00687**	**-.00017**	F **19.60**	**-.00258**	**.00095**	**2.8752**	**.00057**	**.37803**
Stddev	.21	.00029	.00089	.02	.00246	.00252	.0153	.00053	.00044
%RSD	.15042	4.1665	535.37	.1230	95.250	266.78	.53023	92.869	.11715
#1	140.38	.00667	-.00079	19.58	-.00084	-.00084	2.8644	.00095	.37771
#2	140.08	.00708	.00046	19.62	-.00432	.00273	2.8860	.00020	.37834
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				9.000					
Low Limit				-.2000					

Elem	Ti3349	Tl1908	V_2924	Zn2062
Line	334.904 {101}	190.856 {477}	292.402 {115}	206.200 {163}
IS Ref	(Y_3600)	(In2306)	(Y_3600)	(Y_3600)
Units	ppm	ppm	ppm	ppm
Avg	**.00414**	**.00069**	**.00208**	**.00702**
Stddev	.00022	.00065	.00006	.00006
%RSD	5.4061	93.203	3.0784	.83220
#1	.00398	.00024	.00212	.00698
#2	.00430	.00115	.00203	.00707
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				
Low Limit				

Int. Std.	In2306	Y_2243	Y_3600	Y_3774
Line	230.606 {446}	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**2898.5**	**4358.5**	**63422.**	**13925.**
Stddev	2.0	.2	91.	33.
%RSD	.06883	.00432	.14306	.23429
#1	2900.0	4358.6	63358.	13948.
#2	2897.1	4358.4	63486.	13902.

Sample Name: 480-55780-D-2-A@5 Acquired: 3/14/2014 12:34:46 Type: Unk
Method: ICAP1 New RLs at low cal point Mode: CONC Corr. Factor: 1.000000
User: AMH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	B_2089	Ba4554-2	Be3130	Ca3179	Cd2288	Co2286
Line	328.068 {103}	308.215 {109}	189.042 {478}	208.959 {461}	455.403 { 74}2	313.042 {108}	317.933 {106}	228.802 {447}	228.616 {447}
IS Ref	(Y_3600)	(Y_3774)	(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**	**.07468**	**.00048**	**3.2836**	**.08057**	**.00002**	**33.169**	**.00019**	**.00001**
Stddev	.00042	.00426	.00052	.0041	.00022	.00003	.107	.00006	.00007
%RSD	34.757	5.7070	107.85	.12504	.26803	163.90	.32265	30.630	468.86
#1	-.00091	.07770	.00085	3.2865	.08042	.00005	33.094	.00015	-.00003
#2	-.00151	.07167	.00011	3.2807	.08073	-.00000	33.245	.00023	.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	**.00065**	**.00179**	**.39050**	**10.197**	**11.525**	**.07133**	**37.180**	**.09343**	**.00028**
Stddev	.00020	.00016	.00158	.034	.031	.00032	.010	.00027	.00012
%RSD	30.590	8.9233	.40393	.33049	.26957	.45245	.02618	.28389	41.621
#1	.00079	.00190	.38939	10.174	11.547	.07111	37.173	.09325	.00036
#2	.00051	.00168	.39162	10.221	11.503	.07156	37.187	.09362	.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	Na5895	Ni2316	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899	Sr4077
Line	589.592 { 57}	231.604 {446}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}2	189.989 {477}	407.771 { 83}
IS Ref	(Y_3774)	(In2306)	(In2306)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3774)	(In2306)	(Y_3774)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**41.344**	**.00198**	**-.00047**	**1.209**	**-.00123**	**.00045**	**2.4010**	**-.00038**	**.33805**
Stddev	.034	.00000	.00070	.002	.00006	.00018	.0065	.00029	.00062
%RSD	.08285	.12432	147.55	.1410	4.8438	38.851	.27103	75.297	.18456
#1	41.320	.00198	.00002	1.208	-.00127	.00058	2.3964	-.00018	.33761
#2	41.368	.00199	-.00096	1.210	-.00119	.00033	2.4056	-.00058	.33849
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	**.00264**	**.00281**	**.00072**	**.00191**
Stddev	.00033	.00119	.00028	.00006
%RSD	12.359	42.211	39.400	3.3448
#1	.00241	.00197	.00092	.00195
#2	.00287	.00365	.00052	.00186
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				
Low Limit				

Int. Std.	In2306	Y_2243	Y_3600	Y_3774
Line	230.606 {446}	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**3014.9**	**4459.3**	**65566.**	**14082.**
Stddev	7.1	3.1	121.	34.
%RSD	.23546	.06990	.18413	.24157
#1	3020.0	4461.5	65651.	14106.
#2	3009.9	4457.1	65480.	14058.

Sample Name: 480-55782-A-3-A@5 Acquired: 3/14/2014 12:37:36 Type: Unk
Method: ICAP1 New RLs at low cal point Mode: CONC Corr. Factor: 1.000000
User: AMH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	B_2089	Ba4554-2	Be3130	Ca3179	Cd2288	Co2286
Line	328.068 {103}	308.215 {109}	189.042 {478}	208.959 {461}	455.403 { 74}2	313.042 {108}	317.933 {106}	228.802 {447}	228.616 {447}
IS Ref	(Y_3600)	(Y_3774)	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3774)	(Y_3774)	(Y_2243)	(In2306)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00124**	**.42516**	**.00177**	**.49158**	**.00775**	**.00000**	**105.75**	**.00062**	**.01219**
Stddev	.00016	.00184	.00009	.01145	.00004	.00001	.31	.00020	.00026
%RSD	12.552	.43241	4.9814	2.3288	.48407	209.76	.29651	32.715	2.1074
#1	-.00113	.42386	.00171	.48348	.00773	.00001	105.52	.00048	.01201
#2	-.00135	.42646	.00184	.49967	.00778	-.00000	105.97	.00077	.01237
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Cr2677	Cu3247	Fe2599	K_7664	K_7664-2	Li6707	Mg2790	Mn2576	Mo2020
Line	267.716 {126}	324.754 {104}	259.940 {130}	766.490 { 44}	766.490 { 44}2	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}
IS Ref	(Y_3600)	(Y_3600)	(Y_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**	**.00147**	**.85988**	**2.2060**	**3.8579**	**.12594**	**118.73**	**.05325**	**.00430**
Stddev	.00015	.00031	.01208	.0074	.0244	.00101	.49	.00018	.00007
%RSD	11.211	21.264	1.4044	.33421	.63274	.79873	.41202	.34252	1.5485
#1	.00145	.00125	.85134	2.2112	3.8752	.12523	118.39	.05312	.00426
#2	.00124	.00169	.86842	2.2007	3.8407	.12665	119.08	.05337	.00435
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	**210.83**	**.05070**	**.00120**	F **337.8**	**-.00329**	**.00787**	**2.2829**	**-.00002**	**2.6643**
Stddev	1.66	.00133	.00088	9.7	.00014	.00125	.0422	.00043	.0219
%RSD	.78966	2.6301	73.271	2.877	4.3186	15.818	1.8487	2207.6	.82331
#1	209.65	.04975	.00182	330.9	-.00339	.00875	2.2531	-.00033	2.6488
#2	212.00	.05164	.00058	344.7	-.00319	.00699	2.3128	.00029	2.6798
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				9.000					
Low Limit				-.2000					

Elem	Ti3349	Tl1908	V_2924	Zn2062
Line	334.904 {101}	190.856 {477}	292.402 {115}	206.200 {163}
IS Ref	(Y_3600)	(In2306)	(Y_3600)	(Y_3600)
Units	ppm	ppm	ppm	ppm
Avg	**.01444**	**.00579**	**.00753**	**.00752**
Stddev	.00021	.00182	.00003	.00082
%RSD	1.4610	31.359	.34068	10.874
#1	.01459	.00451	.00752	.00694
#2	.01429	.00708	.00755	.00809
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				
Low Limit				

Int. Std.	In2306	Y_2243	Y_3600	Y_3774
Line	230.606 {446}	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**2717.3**	**4202.2**	**61650.**	**13683.**
Stddev	9.1	6.6	116.	75.
%RSD	.33652	.15732	.18779	.54717
#1	2723.8	4206.9	61568.	13630.
#2	2710.8	4197.6	61732.	13736.

Sample Name: RB Acquired: 3/14/2014 12:40:26 Type: Unk
Method: ICAP1 New RLs at low cal point Mode: CONC Corr. Factor: 1.000000
User: AMH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	B_2089	Ba4554-2	Be3130	Ca3179	Cd2288	Co2286
Line	328.068 {103}	308.215 {109}	189.042 {478}	208.959 {461}	455.403 { 74}2	313.042 {108}	317.933 {106}	228.802 {447}	228.616 {447}
IS Ref	(Y_3600)	(Y_3774)	(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**	**-.00812**	**-.00088**	**.00596**	**.00018**	**-.00000**	**.01431**	**-.00002**	**-.00000**
Stddev	.00062	.01129	.00128	.00048	.00001	.00001	.00058	.00004	.00005
%RSD	122.51	139.03	145.54	8.0237	5.8470	286.81	4.0556	265.95	1573.4
#1	-.00095	-.01611	-.00179	.00630	.00018	.00000	.01390	-.00005	.00003
#2	-.00007	-.00014	.00003	.00562	.00019	-.00001	.01472	.00001	-.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	**-.00023**	**-.00040**	**.00079**	**-.07111**	**.00267**	**.00055**	**.00257**	**.00002**	**.00027**
Stddev	.00022	.00013	.00037	.02234	.00034	.00023	.00196	.00005	.00013
%RSD	98.981	32.585	46.892	31.417	12.798	41.129	76.446	236.90	49.498
#1	-.00038	-.00031	.00105	-.05531	.00291	.00039	.00396	.00006	.00037
#2	-.00007	-.00049	.00052	-.08691	.00243	.00071	.00118	-.00001	.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	**.03675**	**.00031**	**.00085**	**.0290**	**-.00088**	**.00030**	**-.01596**	**-.00011**	**.00026**
Stddev	.00246	.00002	.00108	.0011	.00031	.00207	.00323	.00007	.00001
%RSD	6.7013	7.3098	126.45	3.720	34.631	692.18	20.230	57.491	2.2862
#1	.03501	.00032	.00162	.0282	-.00110	.00176	-.01824	-.00016	.00025
#2	.03849	.00029	.00009	.0297	-.00067	-.00116	-.01368	-.00007	.00026
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**	**-.00106**	**.00029**	**.00027**
Stddev	.00014	.00166	.00024	.00038
%RSD	61.745	156.01	81.598	139.05
#1	.00032	.00011	.00012	.00000
#2	.00013	-.00224	.00046	.00054
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				
Low Limit				

Int. Std.	In2306	Y_2243	Y_3600	Y_3774
Line	230.606 {446}	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**3331.8**	**4668.4**	**69424.**	**14105.**
Stddev	2.9	6.1	64.	11.
%RSD	.08768	.13100	.09228	.07939
#1	3329.8	4664.1	69379.	14098.
#2	3333.9	4672.8	69470.	14113.

Sample Name: RB Acquired: 3/14/2014 12:43:13 Type: Unk
Method: ICAP1 New RLs at low cal point Mode: CONC Corr. Factor: 1.000000
User: AMH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	B_2089	Ba4554-2	Be3130	Ca3179	Cd2288	Co2286
Line	328.068 {103}	308.215 {109}	189.042 {478}	208.959 {461}	455.403 { 74}2	313.042 {108}	317.933 {106}	228.802 {447}	228.616 {447}
IS Ref	(Y_3600)	(Y_3774)	(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**	**.00985**	**-.00020**	**.00414**	**.00011**	**.00001**	**.00051**	**-.00000**	**-.00004**
Stddev	.00006	.00275	.00073	.00016	.00001	.00002	.00047	.00004	.00001
%RSD	4.6616	27.901	367.67	3.9234	12.378	152.44	91.898	1973.1	30.708
#1	-.00134	.01180	.00032	.00425	.00010	.00003	.00018	.00002	-.00003
#2	-.00126	.00791	-.00072	.00402	.00012	-.00000	.00084	-.00003	-.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	**-.00010**	**-.00031**	**.00045**	**-.09014**	**.00071**	**.00147**	**.00359**	**-.00003**	**.00014**
Stddev	.00004	.00033	.00061	.00108	.00006	.00086	.00010	.00000	.00006
%RSD	40.648	106.74	137.85	1.1942	8.8862	58.737	2.8612	5.8251	44.739
#1	-.00007	-.00054	.00088	-.09090	.00075	.00086	.00367	-.00003	.00009
#2	-.00013	-.00007	.00001	-.08938	.00066	.00208	.00352	-.00003	.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	**-.00837**	**.00003**	**.00056**	**.0064**	**-.00289**	**-.00052**	**-.00508**	**.00019**	**.00010**
Stddev	.00263	.00002	.00028	.0005	.00054	.00001	.00478	.00013	.00004
%RSD	31.446	52.458	49.740	8.303	18.876	2.6004	94.017	69.181	41.811
#1	-.00651	.00004	.00076	.0061	-.00250	-.00051	-.00846	.00028	.00007
#2	-.01023	.00002	.00037	.0068	-.00327	-.00053	-.00170	.00010	.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	Ti3349	Tl1908	V_2924	Zn2062
Line	334.904 {101}	190.856 {477}	292.402 {115}	206.200 {163}
IS Ref	(Y_3600)	(In2306)	(Y_3600)	(Y_3600)
Units	ppm	ppm	ppm	ppm
Avg	**.00034**	**.00104**	**.00017**	**-.00003**
Stddev	.00011	.00043	.00002	.00032
%RSD	32.957	41.102	13.388	1112.9
#1	.00026	.00074	.00019	-.00025
#2	.00042	.00134	.00016	.00020
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				
Low Limit				

Int. Std.	In2306	Y_2243	Y_3600	Y_3774
Line	230.606 {446}	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**3336.9**	**4677.1**	**69104.**	**14059.**
Stddev	8.1	4.5	119.	22.
%RSD	.24391	.09635	.17153	.15562
#1	3342.7	4680.3	69020.	14074.
#2	3331.2	4673.9	69188.	14043.

Sample Name: MB 480-169833/1-A Acquired: 3/14/2014 12:46:01 Type: Unk
Method: ICAP1 New RLs at low cal point Mode: CONC Corr. Factor: 1.000000
User: AMH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	B_2089	Ba4554-2	Be3130	Ca3179	Cd2288	Co2286
Line	328.068 {103}	308.215 {109}	189.042 {478}	208.959 {461}	455.403 { 74}2	313.042 {108}	317.933 {106}	228.802 {447}	228.616 {447}
IS Ref	(Y_3600)	(Y_3774)	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3774)	(Y_3774)	(Y_2243)	(In2306)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00126**	**.01237**	**.00017**	**.00302**	**.00033**	**-.00003**	**.03887**	**.00010**	**-.00001**
Stddev	.00042	.00885	.00041	.00044	.00000	.00000	.00222	.00009	.00005
%RSD	33.061	71.536	246.55	14.572	1.4204	10.854	5.7000	88.757	606.19
#1	-.00097	.00611	.00045	.00333	.00033	-.00003	.04044	.00016	.00003
#2	-.00155	.01863	-.00012	.00271	.00033	-.00003	.03730	.00004	-.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	**-.00034**	**.00004**	**.00698**	**-.05513**	**.02924**	**.00144**	**.00437**	**.00134**	**.00018**
Stddev	.00027	.00003	.00147	.02485	.00012	.00047	.00171	.00003	.00004
%RSD	78.907	72.011	21.080	45.087	.40251	32.689	39.215	2.5361	21.458
#1	-.00015	.00002	.00594	-.07270	.02932	.00177	.00316	.00132	.00021
#2	-.00053	.00006	.00802	-.03755	.02916	.00111	.00558	.00137	.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	**.01935**	**.00011**	**-.00044**	**.0137**	**-.00076**	**-.00026**	**.12382**	F **.04194**	**.00025**
Stddev	.00432	.00014	.00140	.0005	.00153	.00093	.00317	.00010	.00006
%RSD	22.339	127.41	316.49	3.332	200.13	364.28	2.5632	.23905	22.230
#1	.02240	.00021	-.00143	.0134	-.00184	.00040	.12158	.04201	.00029
#2	.01629	.00001	.00055	.0140	.00032	-.00092	.12607	.04187	.00021
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass
High Limit								.01000	
Low Limit								-.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	**.00032**	**-.00025**	**.00024**	**.00197**
Stddev	.00024	.00014	.00023	.00084
%RSD	75.391	57.449	93.223	42.873
#1	.00049	-.00034	.00041	.00257
#2	.00015	-.00015	.00008	.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	**3217.6**	**4491.6**	**66916.**	**13803.**
Stddev	7.9	14.0	85.	18.
%RSD	.24599	.31204	.12633	.12832
#1	3212.0	4481.7	66856.	13790.
#2	3223.2	4501.5	66975.	13815.

Sample Name: LCSSRM 480-169833/2- Acquired: 3/14/2014 12:48:49 Type: Unk
Method: ICAP1 New RLs at low cal point Mode: CONC Corr. Factor: 1.000000
User: AMH 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	**.36454**	**60.160**	**.93124**	**1.3540**	**2.7227**	**.68166**	**59.893**	**1.6376**	**1.2227**
Stddev	.00069	.033	.00310	.0035	.0010	.00088	.040	.0027	.0001
%RSD	.19001	.05495	.33235	.25600	.03674	.12857	.06636	.16362	.00961
#1	.36405	60.183	.92905	1.3565	2.7220	.68104	59.865	1.6395	1.2228
#2	.36503	60.136	.93343	1.3516	2.7234	.68228	59.922	1.6357	1.2226
Check ?	Chk 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	**1.2415**	**.94007**	**90.580**	**23.121**	**24.678**	**.06485**	**24.451**	**2.8125**	**1.2559**
Stddev	.0034	.00017	.004	.025	.089	.00017	.086	.0106	.0008
%RSD	.27826	.01789	.00405	.10834	.36199	.26801	.35279	.37677	.06375
#1	1.2390	.94019	90.582	23.103	24.615	.06472	24.390	2.8050	1.2565
#2	1.2439	.93995	90.577	23.139	24.741	.06497	24.512	2.8200	1.2553
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	**24.677**	**1.4779**	**1.0988**	**2.097**	**.72568**	**1.3985**	**25.460**	**.95478**	**.85608**
Stddev	.015	.0016	.0027	.010	.00408	.0030	.005	.00000	.00112
%RSD	.06078	.10878	.24102	.4859	.56163	.21466	.02106	.00050	.13083
#1	24.688	1.4791	1.0969	2.104	.72856	1.4006	25.464	.95477	.85687
#2	24.666	1.4768	1.1007	2.090	.72280	1.3964	25.457	.95478	.85528
Check ?	Chk Pass	Chk Pass	Chk Pass	None	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	**2.8605**	**1.6994**	**.84499**	**1.4129**
Stddev	.0002	.0011	.00260	.0153
%RSD	.00740	.06209	.30793	1.0846
#1	2.8604	1.7001	.84315	1.4021
#2	2.8607	1.6986	.84683	1.4238
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				
Low Limit				

Int. Std.	In2306	Y_2243	Y_3600	Y_3774
Line	230.606 {446}	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**2833.5**	**4567.0**	**66898.**	**14421.**
Stddev	4.7	11.5	2.	15.
%RSD	.16694	.25133	.00333	.10421
#1	2830.2	4558.9	66897.	14411.
#2	2836.9	4575.1	66900.	14432.

Sample Name: 480-55451-A-1-A Acquired: 3/14/2014 12:51:30 Type: Unk
Method: ICAP1 New RLs at low cal point Mode: CONC Corr. Factor: 1.000000
User: AMH 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	**-.00174**	**81.482**	**.09266**	**.24833**	**.61189**	**.00414**	F **1759.2**	**.00408**	**.03250**
Stddev	.00001	.016	.00080	.00051	.00075	.00001	7.2	.00007	.00002
%RSD	.44153	.01973	.85968	.20449	.12289	.22534	.40722	1.7071	.05726
#1	-.00174	81.471	.09322	.24797	.61136	.00413	1764.2	.00413	.03248
#2	-.00173	81.494	.09210	.24869	.61242	.00414	1754.1	.00403	.03251
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass
High Limit							900.00		
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	**.13090**	**.09905**	**71.932**	**17.184**	**29.528**	**.10725**	**99.115**	**1.6437**	**.02425**
Stddev	.00003	.00042	.127	.004	.485	.00037	.155	.0047	.00007
%RSD	.02094	.42087	.17634	.02227	1.6412	.34470	.15667	.28558	.29969
#1	.13092	.09935	72.022	17.187	29.871	.10752	99.005	1.6403	.02420
#2	.13088	.09876	71.843	17.181	29.185	.10699	99.225	1.6470	.02431
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	**1.7016**	**.10160**	**.31891**	F **123.0**	**.00195**	**.03138**	**130.13**	**.03552**	**1.8291**
Stddev	.0008	.00136	.00143	.3	.00148	.00390	1.14	.00043	.0003
%RSD	.04581	1.3379	.44926	.2381	75.605	12.424	.87239	1.2040	.01687
#1	1.7011	.10064	.31790	123.3	.00091	.03413	130.93	.03582	1.8288
#2	1.7022	.10256	.31992	122.8	.00300	.02862	129.33	.03521	1.8293
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				9.000					
Low Limit				-.2000					

Elem	Ti3349	Tl1908	V_2924	Zn2062
Line	334.904 {101}	190.856 {477}	292.402 {115}	206.200 {163}
IS Ref	(Y_3600)	(In2306)	(Y_3600)	(Y_3600)
Units	ppm	ppm	ppm	ppm
Avg	**2.8866**	**.00325**	**.15435**	**.30409**
Stddev	.0110	.00011	.00049	.00251
%RSD	.38014	3.2835	.31912	.82475
#1	2.8789	.00317	.15400	.30231
#2	2.8944	.00332	.15470	.30586
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				
Low Limit				

Int. Std.	In2306	Y_2243	Y_3600	Y_3774
Line	230.606 {446}	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**2160.6**	**3935.6**	**57091.**	**13265.**
Stddev	3.9	1.8	48.	88.
%RSD	.18096	.04617	.08490	.66273
#1	2157.8	3936.9	57056.	13203.
#2	2163.4	3934.3	57125.	13327.

Sample Name: CCV Acquired: 3/14/2014 12:54:22 Type: QC
Method: ICAP1 New RLs at low cal point Mode: CONC Corr. Factor: 1.000000
User: AMH 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	**.49236**	**25.154**	**.50562**	**.49130**	**.50207**	**.51343**	**24.919**	**.49598**	**.49862**	**.50358**	**.49794**	**25.354**
Stddev	.00059	.005	.00302	.00064	.00013	.00153	.007	.00106	.00075	.00089	.00190	.070
%RSD	.11956	.01940	.59769	.13012	.02546	.29824	.02664	.21346	.15029	.17767	.38198	.27768
#1	.49195	25.157	.50349	.49175	.50216	.51235	24.924	.49673	.49915	.50422	.49659	25.304
#2	.49278	25.150	.50776	.49085	.50198	.51451	24.914	.49523	.49809	.50295	.49928	25.403
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	**24.440**	**25.022**	**.50424**	**25.191**	**.51227**	**.50098**	**24.227**	**.50493**	**.50006**	**25.15**	**.50799**	**.49837**
Stddev	.004	.209	.00001	.006	.00046	.00065	.032	.00051	.00029	.01	.00027	.00379
%RSD	.01542	.83564	.00277	.02472	.08923	.12959	.13080	.10066	.05705	.0344	.05411	.75975
#1	24.438	25.170	.50423	25.186	.51259	.50144	24.204	.50529	.49986	25.15	.50780	.49569
#2	24.443	24.874	.50425	25.195	.51195	.50052	24.249	.50457	.50026	25.16	.50819	.50105
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	**24.883**	**.52184**	**.49411**	**.49953**	**.50555**	**.49035**	**.49841**
Stddev	.157	.00115	.00061	.00075	.00154	.00155	.00135
%RSD	.63116	.22054	.12429	.15090	.30402	.31527	.27175
#1	24.772	.52265	.49368	.49899	.50447	.48926	.49745
#2	24.994	.52102	.49455	.50006	.50664	.49144	.49937
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	**3014.9**	**4551.0**	**67035.**	**14061.**
Stddev	3.8	6.4	29.	15.
%RSD	.12484	.13988	.04336	.10339
#1	3017.6	4555.5	67014.	14051.
#2	3012.3	4546.5	67055.	14072.

Sample Name: CCB Acquired: 3/14/2014 12:56:59 Type: QC
Method: ICAP1 New RLs at low cal point Mode: CONC Corr. Factor: 1.000000
User: AMH 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	**-.00084**	**.00494**	**-.00027**	**.00200**	**.00018**	**.00005**	**.02166**	**.00010**	**-.00005**	**-.00036**	**-.00022**	**.00388**
Stddev	.00026	.01227	.00218	.00031	.00001	.00000	.00007	.00009	.00006	.00003	.00002	.00058
%RSD	31.184	248.19	818.61	15.322	4.9989	2.6571	.32392	91.392	116.50	7.2059	7.6701	15.074
#1	-.00065	.01362	.00128	.00222	.00018	.00005	.02171	.00016	-.00001	-.00034	-.00021	.00346
#2	-.00102	-.00373	-.00181	.00178	.00019	.00005	.02161	.00004	-.00010	-.00038	-.00023	.00429
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	**-.08850**	**.00207**	**.00062**	**.00305**	**.00008**	**.00055**	**-.01347**	**.00011**	**-.00004**	F **.0076**	**-.00020**	**-.00006**
Stddev	.01212	.00017	.00071	.00054	.00001	.00001	.00130	.00019	.00015	.0025	.00051	.00303
%RSD	13.697	8.0845	115.81	17.529	6.3719	1.8704	9.6572	167.07	330.58	33.14	248.92	4712.5
#1	-.09707	.00219	.00011	.00343	.00008	.00056	-.01255	.00024	-.00015	.0093	-.00056	.00208
#2	-.07993	.00195	.00112	.00268	.00009	.00055	-.01439	-.00002	.00006	.0058	.00015	-.00221
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
High Limit										.0030		
Low Limit										-.0040		

Elem	Si2881	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.06116**	**.00049**	**.00012**	**.00041**	**.00207**	**.00023**	**.00005**
Stddev	.01386	.00021	.00000	.00054	.00058	.00009	.00061
%RSD	22.660	42.504	3.6909	133.13	28.220	40.075	1110.2
#1	.05136	.00064	.00013	.00002	.00166	.00017	.00049
#2	.07096	.00035	.00012	.00079	.00248	.00030	-.00038
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	**3336.6**	**4676.3**	**69016.**	**14044.**
Stddev	.0	6.2	236.	14.
%RSD	.00128	.13340	.34255	.09987
#1	3336.6	4671.9	68849.	14054.
#2	3336.7	4680.7	69183.	14034.

Sample Name: CCVL Acquired: 3/14/2014 12:59:47 Type: QC
Method: ICAP1 New RLs at low cal point Mode: CONC Corr. Factor: 1.000000
User: AMH 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	**.00499**	**.20258**	**.01455**	**.02056**	**.00231**	**.00207**	**.52559**	**.00191**	**.00381**	**.00376**	**.00963**	**.05407**
Stddev	.00007	.00164	.00148	.00016	.00001	.00002	.02876	.00010	.00004	.00004	.00025	.00036
%RSD	1.4843	.81007	10.194	.75884	.28994	.86611	5.4714	5.3460	1.0397	1.0290	2.6013	.67193
#1	.00494	.20142	.01350	.02067	.00231	.00209	.50526	.00184	.00384	.00379	.00945	.05382
#2	.00504	.20374	.01559	.02045	.00230	.00206	.54593	.00198	.00378	.00373	.00980	.05433
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	**.39009**	**.40815**	**.03039**	**.20352**	**.00348**	**.00988**	**.94043**	**.01102**	**.00966**	**.1969**	**.01815**	**.02527**
Stddev	.00752	.00272	.00004	.00380	.00002	.00002	.00502	.00000	.00066	.0014	.00113	.00066
%RSD	1.9270	.66558	.12544	1.8671	.69453	.18336	.53331	.03987	6.8618	.7280	6.2320	2.6037
#1	.39541	.40623	.03036	.20621	.00350	.00989	.93689	.01102	.01013	.1979	.01895	.02574
#2	.38478	.41007	.03042	.20083	.00346	.00987	.94398	.01101	.00919	.1959	.01735	.02481
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	**.49307**	**.01077**	**.00488**	**.00495**	**.02054**	**.00507**	**.00948**
Stddev	.00066	.00012	.00009	.00044	.00021	.00012	.00024
%RSD	.13475	1.0744	1.9082	8.9098	1.0144	2.3552	2.5091
#1	.49354	.01085	.00482	.00526	.02040	.00499	.00965
#2	.49260	.01068	.00495	.00464	.02069	.00515	.00932
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	**3416.6**	**4811.5**	**71423.**	**14569.**
Stddev	2.9	2.0	18.	52.
%RSD	.08507	.04136	.02523	.35583
#1	3418.6	4812.9	71411.	14605.
#2	3414.5	4810.1	71436.	14532.

Sample Name: 480-55451-A-2-A Acquired: 3/14/2014 13:02:34 Type: Unk
Method: ICAP1 New RLs at low cal point Mode: CONC Corr. Factor: 1.000000
User: AMH 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	**-.00123**	**74.968**	**.08308**	**.23156**	**.55012**	**.00387**	F **1647.0**	**.00350**	**.02950**
Stddev	.00016	.258	.00147	.00019	.00087	.00003	10.0	.00001	.00011
%RSD	12.943	.34429	1.7752	.08250	.15760	.77121	.60768	.41474	.37888
#1	-.00112	75.150	.08413	.23170	.55074	.00389	1654.0	.00351	.02942
#2	-.00134	74.785	.08204	.23143	.54951	.00385	1639.9	.00349	.02958
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass
High Limit							900.00		
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	**.12059**	**.09021**	**65.291**	**17.150**	**29.559**	**.09660**	**88.166**	**1.4894**	**.02102**
Stddev	.00070	.00018	.116	.010	.050	.00070	.078	.0016	.00002
%RSD	.58156	.19404	.17693	.05893	.16826	.72312	.08900	.11006	.07768
#1	.12009	.09033	65.372	17.157	29.524	.09611	88.111	1.4882	.02101
#2	.12109	.09008	65.209	17.143	29.594	.09710	88.221	1.4905	.02104
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	**1.5943**	**.09785**	**.28436**	F **117.8**	**-.00400**	**.03476**	**106.78**	**.03977**	**1.7441**
Stddev	.0072	.00017	.00051	.2	.00081	.00398	.99	.00096	.0070
%RSD	.45298	.17808	.18103	.1310	20.280	11.437	.93035	2.4221	.40095
#1	1.5994	.09773	.28473	117.9	-.00457	.03757	107.48	.03909	1.7491
#2	1.5892	.09797	.28400	117.6	-.00342	.03195	106.08	.04045	1.7392
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				9.000					
Low Limit				-.2000					

Elem	Ti3349	Tl1908	V_2924	Zn2062
Line	334.904 {101}	190.856 {477}	292.402 {115}	206.200 {163}
IS Ref	(Y_3600)	(In2306)	(Y_3600)	(Y_3600)
Units	ppm	ppm	ppm	ppm
Avg	**2.8326**	**.00474**	**.14103**	**.26232**
Stddev	.0127	.00265	.00051	.00201
%RSD	.44930	55.982	.35959	.76663
#1	2.8236	.00661	.14139	.26090
#2	2.8416	.00286	.14067	.26374
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				
Low Limit				

Int. Std.	In2306	Y_2243	Y_3600	Y_3774
Line	230.606 {446}	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**2179.6**	**3917.0**	**57191.**	**13302.**
Stddev	2.9	6.2	130.	71.
%RSD	.13387	.15787	.22793	.53253
#1	2177.6	3912.7	57099.	13252.
#2	2181.7	3921.4	57283.	13352.

Sample Name: 480-55451-A-2-A SD@5 Acquired: 3/14/2014 13:05:25 Type: Unk
Method: ICAP1 New RLs at low cal point Mode: CONC Corr. Factor: 1.000000
User: AMH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	B_2089	Ba4554-2	Be3130	Ca3179	Cd2288	Co2286
Line	328.068 {103}	308.215 {109}	189.042 {478}	208.959 {461}	455.403 { 74}2	313.042 {108}	317.933 {106}	228.802 {447}	228.616 {447}
IS Ref	(Y_3600)	(Y_3774)	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3774)	(Y_3774)	(Y_2243)	(In2306)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00129**	**15.304**	**.01851**	**.04928**	**.11720**	**.00082**	**395.53**	**.00070**	**.00559**
Stddev	.00055	.002	.00226	.00008	.00008	.00006	.18	.00003	.00010
%RSD	42.542	.01520	12.213	.16951	.07128	7.2199	.04442	4.3305	1.7335
#1	-.00090	15.302	.02011	.04933	.11725	.00078	395.41	.00072	.00566
#2	-.00167	15.306	.01691	.04922	.11714	.00086	395.66	.00067	.00553
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Cr2677	Cu3247	Fe2599	K_7664	K_7664-2	Li6707	Mg2790	Mn2576	Mo2020
Line	267.716 {126}	324.754 {104}	259.940 {130}	766.490 { 44}	766.490 { 44}2	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}
IS Ref	(Y_3600)	(Y_3600)	(Y_3774)	(Y_3774)	(Y_3774)	(Y_3774)	(Y_3600)	(Y_3600)	(Y_2243)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.02689**	**.01808**	**14.545**	**3.3765**	**4.7291**	**.02066**	**19.334**	**.32626**	**.00462**
Stddev	.00021	.00006	.040	.0094	.0137	.00001	.072	.00056	.00049
%RSD	.77031	.33758	.27449	.27780	.29019	.04220	.37329	.17104	10.649
#1	.02704	.01804	14.516	3.3831	4.7388	.02065	19.283	.32586	.00496
#2	.02674	.01813	14.573	3.3698	4.7194	.02066	19.385	.32665	.00427
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	**.31362**	**.01918**	**.05792**	F **23.61**	**-.00183**	**.00910**	**22.648**	**.00765**	**.36546**
Stddev	.00431	.00042	.00010	.03	.00022	.00122	.058	.00032	.00013
%RSD	1.3747	2.1867	.16636	.1061	12.219	13.358	.25429	4.1835	.03611
#1	.31667	.01947	.05799	23.63	-.00167	.00824	22.689	.00743	.36536
#2	.31057	.01888	.05786	23.60	-.00198	.00996	22.607	.00788	.36555
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				9.000					
Low Limit				-.2000					

Elem	Ti3349	Tl1908	V_2924	Zn2062
Line	334.904 {101}	190.856 {477}	292.402 {115}	206.200 {163}
IS Ref	(Y_3600)	(In2306)	(Y_3600)	(Y_3600)
Units	ppm	ppm	ppm	ppm
Avg	**.59994**	**.00282**	**.03022**	**.05963**
Stddev	.00158	.00184	.00026	.00015
%RSD	.26397	65.032	.85100	.25371
#1	.59882	.00152	.03041	.05952
#2	.60106	.00412	.03004	.05974
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				
Low Limit				

Int. Std.	In2306	Y_2243	Y_3600	Y_3774
Line	230.606 {446}	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**2733.2**	**4302.8**	**63034.**	**13660.**
Stddev	.8	1.2	106.	33.
%RSD	.03024	.02723	.16845	.24391
#1	2733.8	4302.0	63109.	13636.
#2	2732.6	4303.6	62959.	13684.

Sample Name: 480-55451-A-2-A PDS Acquired: 3/14/2014 13:08:14 Type: Unk
Method: ICAP1 New RLs at low cal point Mode: CONC Corr. Factor: 1.000000
User: AMH 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	**.11234**	**98.486**	**.52896**	**.65286**	**.96690**	**.41303**	F **1682.7**	**.42407**	**.45828**
Stddev	.00074	.382	.00320	.00088	.00179	.00167	3.1	.00044	.00143
%RSD	.65654	.38833	.60472	.13457	.18467	.40382	.18422	.10410	.31290
#1	.11182	98.756	.53122	.65348	.96816	.41185	1684.9	.42438	.45929
#2	.11286	98.215	.52670	.65224	.96564	.41421	1680.5	.42376	.45726
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass
High Limit							900.00		
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	**.50298**	**.52798**	**86.026**	**39.729**	**58.331**	**.55977**	**106.76**	**1.8539**	**.39676**
Stddev	.00307	.00171	.037	.166	.139	.00311	.15	.0031	.00096
%RSD	.60936	.32453	.04321	.41712	.23814	.55512	.13928	.16665	.24280
#1	.50082	.52677	86.052	39.846	58.430	.56197	106.65	1.8517	.39744
#2	.50515	.52920	86.000	39.612	58.233	.55757	106.86	1.8561	.39608
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	**23.767**	**.53015**	**.70000**	F **116.7**	**.42030**	**.46498**	**127.42**	**.48612**	**2.1840**
Stddev	.154	.00059	.00132	.3	.00216	.00379	.95	.00233	.0053
%RSD	.64914	.11172	.18924	.2649	.51505	.81504	.74544	.47878	.24368
#1	23.876	.52973	.70094	116.5	.42183	.46766	128.09	.48777	2.1878
#2	23.658	.53057	.69907	116.9	.41877	.46230	126.75	.48448	2.1802
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				9.000					
Low Limit				-.2000					

Elem	Ti3349	Tl1908	V_2924	Zn2062
Line	334.904 {101}	190.856 {477}	292.402 {115}	206.200 {163}
IS Ref	(Y_3600)	(In2306)	(Y_3600)	(Y_3600)
Units	ppm	ppm	ppm	ppm
Avg	**3.1855**	**.41127**	**.53623**	**.61298**
Stddev	.0066	.00045	.00110	.00359
%RSD	.20674	.10982	.20463	.58569
#1	3.1808	.41159	.53546	.61044
#2	3.1901	.41095	.53701	.61552
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				
Low Limit				

Int. Std.	In2306	Y_2243	Y_3600	Y_3774
Line	230.606 {446}	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**2148.2**	**3901.1**	**56763.**	**13073.**
Stddev	2.3	5.9	84.	37.
%RSD	.10581	.15033	.14794	.27950
#1	2146.6	3896.9	56823.	13048.
#2	2149.8	3905.2	56704.	13099.

Sample Name: 480-55451-A-2-B MS Acquired: 3/14/2014 13:11:03 Type: Unk
Method: ICAP1 New RLs at low cal point Mode: CONC Corr. Factor: 1.000000
User: AMH 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	**.09323**	**87.603**	**.45356**	**.54842**	**.84194**	**.35340**	F **1462.4**	**.35431**	**.38063**
Stddev	.00104	.217	.00040	.00050	.00131	.00019	6.1	.00038	.00068
%RSD	1.1115	.24788	.08918	.09135	.15607	.05397	.41597	.10835	.17918
#1	.09250	87.757	.45328	.54878	.84286	.35326	1458.1	.35458	.38015
#2	.09397	87.450	.45385	.54807	.84101	.35353	1466.7	.35404	.38111
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass
High Limit							900.00		
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	**.42559**	**.43014**	**74.025**	**35.581**	**52.002**	**.45508**	**92.382**	**1.6134**	**.33324**
Stddev	.00140	.00124	.105	.094	.078	.00412	.360	.0052	.00005
%RSD	.32962	.28772	.14118	.26507	.14950	.90453	.38934	.32091	.01508
#1	.42460	.42927	74.099	35.648	51.947	.45799	92.128	1.6098	.33321
#2	.42659	.43102	73.952	35.514	52.057	.45217	92.636	1.6171	.33328
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	**18.887**	**.43025**	**.61142**	F **121.7**	**.28729**	**.40002**	**76.933**	**.38610**	**1.8116**
Stddev	.050	.00266	.00212	.2	.00135	.00329	.049	.00100	.0040
%RSD	.26502	.61910	.34647	.1425	.47150	.82204	.06306	.25945	.21943
#1	18.922	.42836	.61292	121.6	.28633	.40234	76.967	.38539	1.8144
#2	18.852	.43213	.60993	121.9	.28825	.39769	76.898	.38681	1.8088
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				9.000					
Low Limit				-.2000					

Elem	Ti3349	Tl1908	V_2924	Zn2062
Line	334.904 {101}	190.856 {477}	292.402 {115}	206.200 {163}
IS Ref	(Y_3600)	(In2306)	(Y_3600)	(Y_3600)
Units	ppm	ppm	ppm	ppm
Avg	**2.7204**	**.33701**	**.45941**	**.53051**
Stddev	.0099	.00445	.00267	.00161
%RSD	.36371	1.3214	.58172	.30407
#1	2.7134	.33386	.45752	.52937
#2	2.7274	.34016	.46130	.53165
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				
Low Limit				

Int. Std.	In2306	Y_2243	Y_3600	Y_3774
Line	230.606 {446}	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**2229.5**	**3968.3**	**58228.**	**13349.**
Stddev	2.3	1.3	204.	5.
%RSD	.10207	.03209	.35045	.03491
#1	2231.1	3969.2	58373.	13353.
#2	2227.9	3967.4	58084.	13346.

Sample Name: 480-55451-A-2-C MSD Acquired: 3/14/2014 13:13:53 Type: Unk
Method: ICAP1 New RLs at low cal point Mode: CONC Corr. Factor: 1.000000
User: AMH 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	**.09696**	**93.131**	**.47883**	**.57880**	**.87721**	**.36912**	F **1561.8**	**.37122**	**.40030**
Stddev	.00001	.194	.00071	.00246	.00048	.00035	3.4	.00022	.00068
%RSD	.00920	.20777	.14785	.42492	.05442	.09486	.22082	.05860	.16903
#1	.09695	92.994	.47933	.58054	.87754	.36937	1559.4	.37137	.39982
#2	.09697	93.268	.47833	.57706	.87687	.36888	1564.3	.37106	.40078
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass
High Limit							900.00		
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	**.44359**	**.45371**	**80.271**	**37.712**	**53.838**	**.47953**	**97.971**	**1.7081**	**.34668**
Stddev	.00095	.00284	.209	.079	.047	.00086	.012	.0012	.00026
%RSD	.21442	.62596	.25993	.20815	.08660	.17928	.01263	.07279	.07374
#1	.44291	.45572	80.123	37.657	53.871	.47892	97.963	1.7072	.34650
#2	.44426	.45170	80.418	37.768	53.805	.48014	97.980	1.7090	.34687
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	**20.101**	**.45701**	**.64361**	F **125.4**	**.30934**	**.41411**	**95.912**	**.41102**	**1.9599**
Stddev	.010	.00142	.00049	.3	.00843	.00020	.067	.00023	.0001
%RSD	.04844	.31129	.07560	.2228	2.7250	.04861	.06956	.05695	.00744
#1	20.094	.45600	.64395	125.6	.31530	.41425	95.959	.41086	1.9600
#2	20.108	.45802	.64326	125.2	.30338	.41397	95.865	.41119	1.9598
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				9.000					
Low Limit				-.2000					

Elem	Ti3349	Tl1908	V_2924	Zn2062
Line	334.904 {101}	190.856 {477}	292.402 {115}	206.200 {163}
IS Ref	(Y_3600)	(In2306)	(Y_3600)	(Y_3600)
Units	ppm	ppm	ppm	ppm
Avg	**2.8824**	**.35733**	**.47816**	**.53790**
Stddev	.0011	.00080	.00150	.00145
%RSD	.03782	.22374	.31311	.26917
#1	2.8831	.35790	.47921	.53893
#2	2.8816	.35676	.47710	.53688
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				
Low Limit				

Int. Std.	In2306	Y_2243	Y_3600	Y_3774
Line	230.606 {446}	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**2187.1**	**3940.3**	**57901.**	**13316.**
Stddev	4.9	10.0	266.	7.
%RSD	.22304	.25411	.45876	.05599
#1	2183.7	3933.2	57713.	13311.
#2	2190.6	3947.4	58089.	13321.

Sample Name: 480-55451-A-3-A Acquired: 3/14/2014 13:16:42 Type: Unk
Method: ICAP1 New RLs at low cal point Mode: CONC Corr. Factor: 1.000000
User: AMH 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	**-.00207**	**93.090**	**.10169**	**.26865**	**.66718**	**.00458**	F **1898.3**	**.00397**	**.03704**
Stddev	.00008	.115	.00167	.00035	.00049	.00010	17.7	.00003	.00019
%RSD	3.8758	.12352	1.6390	.12900	.07406	2.1026	.93163	.76985	.52011
#1	-.00213	93.008	.10287	.26890	.66683	.00452	1885.8	.00399	.03690
#2	-.00201	93.171	.10051	.26841	.66753	.00465	1910.8	.00395	.03717
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass
High Limit							900.00		
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	**.14296**	**.11396**	**81.424**	**18.805**	**32.690**	**.11716**	**103.71**	**1.9474**	**.02559**
Stddev	.00071	.00083	.546	.046	.342	.00033	.09	.0001	.00019
%RSD	.49757	.73269	.67008	.24590	1.0449	.27869	.08436	.00231	.74209
#1	.14246	.11337	81.038	18.772	32.448	.11693	103.65	1.9474	.02546
#2	.14347	.11455	81.810	18.837	32.931	.11739	103.77	1.9474	.02573
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	**1.7448**	**.11761**	**.34282**	F **134.7**	**-.00400**	**.03565**	**147.39**	**.04034**	**2.0482**
Stddev	.0006	.00044	.00034	.1	.00051	.00614	.18	.00013	.0055
%RSD	.03286	.37770	.09922	.0856	12.856	17.213	.12507	.32240	.26701
#1	1.7452	.11793	.34306	134.8	-.00363	.03131	147.52	.04043	2.0443
#2	1.7444	.11730	.34257	134.7	-.00436	.03999	147.26	.04025	2.0520
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				9.000					
Low Limit				-.2000					

Elem	Ti3349	Tl1908	V_2924	Zn2062
Line	334.904 {101}	190.856 {477}	292.402 {115}	206.200 {163}
IS Ref	(Y_3600)	(In2306)	(Y_3600)	(Y_3600)
Units	ppm	ppm	ppm	ppm
Avg	**3.1728**	**.00744**	**.17299**	**.33082**
Stddev	.0048	.00074	.00001	.00133
%RSD	.15161	9.9970	.00311	.40335
#1	3.1694	.00691	.17299	.33177
#2	3.1762	.00796	.17299	.32988
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				
Low Limit				

Int. Std.	In2306	Y_2243	Y_3600	Y_3774
Line	230.606 {446}	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**2117.8**	**3918.9**	**56539.**	**13183.**
Stddev	1.8	.4	6.	80.
%RSD	.08357	.00952	.01015	.60764
#1	2116.5	3919.1	56535.	13239.
#2	2119.0	3918.6	56543.	13126.

Sample Name: 480-55451-A-4-A Acquired: 3/14/2014 13:19:38 Type: Unk
Method: ICAP1 New RLs at low cal point Mode: CONC Corr. Factor: 1.000000
User: AMH 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	**-.00178**	**91.458**	**.10435**	**.27230**	**.66755**	**.00471**	F **1908.0**	**.00388**	**.03727**
Stddev	.00056	.126	.00116	.00003	.00131	.00006	12.4	.00014	.00044
%RSD	31.763	.13820	1.1080	.01199	.19579	1.2055	.65230	3.5265	1.1816
#1	-.00218	91.368	.10517	.27233	.66663	.00475	1916.8	.00398	.03696
#2	-.00138	91.547	.10354	.27228	.66847	.00467	1899.2	.00379	.03758
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass
High Limit							900.00		
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	**.14132**	**.10933**	**80.842**	**20.123**	**34.567**	**.13201**	**103.69**	**1.8665**	**.02535**
Stddev	.00128	.00138	.280	.015	.259	.00006	.32	.0066	.00031
%RSD	.90892	1.2660	.34597	.07512	.74976	.04821	.30690	.35104	1.2347
#1	.14041	.10835	81.040	20.112	34.750	.13197	103.47	1.8619	.02557
#2	.14223	.11031	80.645	20.134	34.384	.13206	103.92	1.8712	.02513
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	**2.0282**	**.11639**	**.34315**	F **132.5**	**-.00334**	**.03603**	**153.94**	**.03743**	**2.1074**
Stddev	.0038	.00193	.00133	.2	.00175	.00120	.47	.00046	.0023
%RSD	.18730	1.6556	.38817	.1189	52.495	3.3336	.30278	1.2369	.10707
#1	2.0255	.11775	.34221	132.4	-.00210	.03518	154.27	.03710	2.1058
#2	2.0309	.11503	.34409	132.6	-.00458	.03688	153.61	.03776	2.1090
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				9.000					
Low Limit				-.2000					

Elem	Ti3349	Tl1908	V_2924	Zn2062
Line	334.904 {101}	190.856 {477}	292.402 {115}	206.200 {163}
IS Ref	(Y_3600)	(In2306)	(Y_3600)	(Y_3600)
Units	ppm	ppm	ppm	ppm
Avg	**3.1659**	**.00658**	**.16562**	**.32706**
Stddev	.0123	.00062	.00033	.00048
%RSD	.38852	9.4861	.19628	.14827
#1	3.1572	.00702	.16585	.32671
#2	3.1746	.00614	.16539	.32740
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				
Low Limit				

Int. Std.	In2306	Y_2243	Y_3600	Y_3774
Line	230.606 {446}	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**2119.4**	**3912.0**	**57057.**	**13198.**
Stddev	.8	1.7	9.	66.
%RSD	.03991	.04270	.01611	.49863
#1	2118.8	3913.2	57050.	13152.
#2	2120.0	3910.8	57063.	13245.

Sample Name: 480-55451-A-5-A Acquired: 3/14/2014 13:22:33 Type: Unk
Method: ICAP1 New RLs at low cal point Mode: CONC Corr. Factor: 1.000000
User: AMH 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	**-.00091**	**93.433**	**.10682**	**.27452**	**.76358**	**.00473**	F **1970.0**	**.00392**	**.03577**
Stddev	.00050	.516	.00324	.00022	.00292	.00001	17.9	.00001	.00031
%RSD	54.575	.55215	3.0330	.07976	.38271	.23498	.90695	.12800	.86637
#1	-.00056	93.068	.10453	.27437	.76151	.00474	1957.4	.00393	.03556
#2	-.00126	93.798	.10911	.27468	.76565	.00473	1982.6	.00392	.03599
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass
High Limit							900.00		
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	**.14574**	**.10949**	**80.334**	**17.824**	**31.652**	**.11035**	**107.17**	**1.7921**	**.02533**
Stddev	.00043	.00092	.873	.090	.228	.00080	.27	.0046	.00015
%RSD	.29804	.84442	1.0865	.50548	.72069	.72941	.24850	.25625	.57751
#1	.14605	.11014	79.717	17.761	31.490	.10978	106.98	1.7889	.02523
#2	.14543	.10883	80.951	17.888	31.813	.11091	107.36	1.7954	.02544
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	**1.8223**	**.11347**	**.34960**	F **136.4**	**-.00389**	**.03148**	**158.27**	**.03905**	**2.1067**
Stddev	.0143	.00150	.00069	.2	.00029	.00464	.85	.00083	.0109
%RSD	.78368	1.3260	.19868	.1766	7.4216	14.747	.53653	2.1347	.51484
#1	1.8122	.11453	.35009	136.5	-.00369	.02820	157.67	.03846	2.0991
#2	1.8324	.11240	.34910	136.2	-.00410	.03477	158.87	.03964	2.1144
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				9.000					
Low Limit				-.2000					

Elem	Ti3349	Tl1908	V_2924	Zn2062
Line	334.904 {101}	190.856 {477}	292.402 {115}	206.200 {163}
IS Ref	(Y_3600)	(In2306)	(Y_3600)	(Y_3600)
Units	ppm	ppm	ppm	ppm
Avg	**3.3623**	**.00154**	**.17335**	**.40369**
Stddev	.0069	.00203	.00001	.00334
%RSD	.20557	131.65	.00724	.82843
#1	3.3672	.00297	.17334	.40133
#2	3.3574	.00011	.17336	.40605
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				
Low Limit				

Int. Std.	In2306	Y_2243	Y_3600	Y_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**	**3916.0**	**56655.**	**13146.**
Stddev	.4	.6	49.	59.
%RSD	.01823	.01546	.08611	.44829
#1	2114.7	3916.4	56690.	13187.
#2	2115.2	3915.5	56621.	13104.

Sample Name: 480-55451-A-6-A Acquired: 3/14/2014 13:25:29 Type: Unk
Method: ICAP1 New RLs at low cal point Mode: CONC Corr. Factor: 1.000000
User: AMH 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	**-.00150**	**86.125**	**.07834**	**.25357**	**.76231**	**.00430**	F **1862.9**	**.00329**	**.03347**
Stddev	.00045	.033	.00123	.00051	.00078	.00004	8.8	.00005	.00025
%RSD	30.189	.03852	1.5691	.20197	.10202	1.0179	.47025	1.4507	.74995
#1	-.00182	86.101	.07921	.25393	.76176	.00427	1856.7	.00333	.03329
#2	-.00118	86.148	.07747	.25321	.76286	.00433	1869.1	.00326	.03365
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass
High Limit							900.00		
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	**.14023**	**.10234**	**72.536**	**21.934**	**36.719**	**.14856**	**99.385**	**1.7337**	**.02428**
Stddev	.00010	.00032	.326	.027	.366	.00064	.055	.0023	.00028
%RSD	.07136	.30892	.45007	.12164	.99604	.43268	.05540	.13017	1.1668
#1	.14030	.10256	72.767	21.915	36.978	.14902	99.424	1.7353	.02448
#2	.14015	.10212	72.306	21.953	36.461	.14811	99.346	1.7321	.02408
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	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	**2.1668**	**.12453**	**.30021**	F **111.4**	**-.00342**	**.03673**	**97.430**	**.04445**	**2.0591**
Stddev	.0078	.00102	.00038	.1	.00005	.00378	.094	.00065	.0019
%RSD	.36146	.82069	.12649	.0581	1.5766	10.299	.09637	1.4547	.08962
#1	2.1613	.12525	.30048	111.5	-.00338	.03406	97.496	.04491	2.0578
#2	2.1724	.12380	.29994	111.4	-.00345	.03941	97.364	.04399	2.0604
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				9.000					
Low Limit				-.2000					

Elem	Ti3349	Tl1908	V_2924	Zn2062
Line	334.904 {101}	190.856 {477}	292.402 {115}	206.200 {163}
IS Ref	(Y_3600)	(In2306)	(Y_3600)	(Y_3600)
Units	ppm	ppm	ppm	ppm
Avg	**3.4306**	**-.00009**	**.15728**	**.26831**
Stddev	.0060	.00329	.00055	.00074
%RSD	.17427	3798.5	.34693	.27745
#1	3.4348	.00224	.15767	.26883
#2	3.4263	-.00242	.15690	.26778
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				
Low Limit				

Int. Std.	In2306	Y_2243	Y_3600	Y_3774
Line	230.606 {446}	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**2136.6**	**3924.8**	**56936.**	**13164.**
Stddev	1.3	10.4	72.	23.
%RSD	.05913	.26569	.12698	.17326
#1	2135.7	3917.5	56885.	13148.
#2	2137.5	3932.2	56988.	13180.

Sample Name: CCV Acquired: 3/14/2014 13:28:25 Type: QC
Method: ICAP1 New RLs at low cal point Mode: CONC Corr. Factor: 1.000000
User: AMH 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	**.48894**	**25.055**	**.50038**	**.48482**	**.49888**	**.50916**	**25.048**	**.48606**	**.49276**	**.50269**	**.49485**	**25.204**
Stddev	.00069	.128	.00276	.00073	.00216	.00013	.003	.00016	.00003	.00290	.00174	.016
%RSD	.14177	.51259	.55178	.15117	.43286	.02597	.01387	.03339	.00623	.57754	.35214	.06225
#1	.48943	24.964	.50234	.48431	.49735	.50926	25.045	.48594	.49274	.50475	.49608	25.215
#2	.48845	25.145	.49843	.48534	.50040	.50907	25.050	.48617	.49278	.50064	.49362	25.193
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	**24.522**	**25.229**	**.50103**	**24.987**	**.50917**	**.49138**	**24.101**	**.49985**	**.49502**	**24.99**	**.49926**	**.48949**
Stddev	.076	.062	.00236	.114	.00072	.00121	.087	.00130	.00032	.05	.00203	.00132
%RSD	.30955	.24506	.47027	.45444	.14128	.24641	.36304	.26038	.06557	.1853	.40647	.27062
#1	24.468	25.185	.49936	25.067	.50968	.49052	24.039	.50077	.49479	25.02	.50070	.49043
#2	24.576	25.273	.50269	24.907	.50866	.49223	24.163	.49893	.49525	24.96	.49783	.48856
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	**25.527**	**.52198**	**.49462**	**.49258**	**.50118**	**.48299**	**.49083**
Stddev	.444	.00006	.00116	.00127	.00169	.00030	.00221
%RSD	1.7405	.01081	.23361	.25874	.33794	.06289	.45066
#1	25.212	.52202	.49380	.49348	.50238	.48320	.48927
#2	25.841	.52194	.49544	.49168	.49998	.48277	.49240
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	**3031.3**	**4596.1**	**67231.**	**13895.**
Stddev	3.8	5.7	108.	9.
%RSD	.12406	.12425	.16032	.06372
#1	3034.0	4600.1	67154.	13889.
#2	3028.7	4592.1	67307.	13901.

Sample Name: CCB Acquired: 3/14/2014 13:31:03 Type: QC
Method: ICAP1 New RLs at low cal point Mode: CONC Corr. Factor: 1.000000
User: AMH 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	**-.00128**	**.00444**	**-.00026**	**.00117**	**.00020**	**-.00001**	**.06368**	**-.00002**	**.00005**	**.00013**	**-.00034**	**.00384**
Stddev	.00004	.00471	.00337	.00012	.00000	.00004	.00385	.00005	.00002	.00002	.00008	.00213
%RSD	2.7685	106.03	1302.9	10.255	1.8519	339.47	6.0461	287.14	47.122	15.029	25.252	55.554
#1	-.00126	.00111	-.00265	.00109	.00020	.00002	.06641	.00002	.00003	.00015	-.00028	.00233
#2	-.00131	.00777	.00213	.00126	.00020	-.00004	.06096	-.00005	.00007	.00012	-.00040	.00535
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	**-.07016**	**.00493**	**.00127**	**.00839**	**.00010**	**.00037**	**-.00713**	**-.00025**	**.00028**	F **.0164**	**-.00032**	**-.00199**
Stddev	.01898	.00298	.00024	.00201	.00001	.00003	.00176	.00005	.00027	.0012	.00051	.00212
%RSD	27.050	60.507	18.631	23.951	5.5060	8.6022	24.748	21.822	96.025	7.245	158.58	106.47
#1	-.08358	.00704	.00110	.00981	.00010	.00039	-.00837	-.00021	.00047	.0173	-.00068	-.00349
#2	-.05674	.00282	.00144	.00697	.00011	.00034	-.00588	-.00028	.00009	.0156	.00004	-.00049
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
High Limit										.0030		
Low Limit										-.0040		

Elem	Si2881	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.10333**	**.00015**	**.00020**	**.00131**	**.00021**	**.00019**	**-.00049**
Stddev	.02448	.00009	.00003	.00145	.00031	.00002	.00078
%RSD	23.690	58.888	16.918	110.61	144.96	12.212	158.18
#1	.08602	.00022	.00022	.00234	.00043	.00017	.00006
#2	.12064	.00009	.00017	.00029	-.00001	.00021	-.00104
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	**3320.1**	**4675.9**	**69013.**	**13952.**
Stddev	.9	9.4	19.	9.
%RSD	.02861	.20140	.02755	.06534
#1	3320.7	4669.3	69000.	13946.
#2	3319.4	4682.6	69026.	13959.

Sample Name: CCVL Acquired: 3/14/2014 13:33:51 Type: QC
Method: ICAP1 New RLs at low cal point Mode: CONC Corr. Factor: 1.000000
User: AMH 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	**.00508**	**.21440**	**.01317**	**.02028**	**.00228**	**.00206**	**.55155**	**.00192**	**.00393**	**.00383**	**.00939**	**.05360**
Stddev	.00014	.00345	.00005	.00037	.00001	.00009	.03529	.00002	.00006	.00079	.00016	.00083
%RSD	2.7818	1.6111	.39069	1.8107	.32595	4.5665	6.3987	1.2996	1.5044	20.523	1.7343	1.5579
#1	.00498	.21195	.01313	.02054	.00228	.00200	.57651	.00191	.00397	.00328	.00950	.05419
#2	.00518	.21684	.01320	.02003	.00229	.00213	.52660	.00194	.00389	.00439	.00927	.05301
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	**.37021**	**.41459**	**.03084**	**.20722**	**.00350**	**.00997**	**.95596**	**.01089**	**.00977**	**.2096**	**.01790**	**.02374**
Stddev	.00388	.00187	.00051	.00231	.00003	.00005	.00736	.00027	.00096	.0123	.00049	.00326
%RSD	1.0489	.45062	1.6386	1.1126	.91394	.53699	.77010	2.4693	9.7818	5.885	2.7484	13.722
#1	.37296	.41591	.03119	.20559	.00347	.01001	.95076	.01070	.01044	.2183	.01825	.02144
#2	.36747	.41327	.03048	.20885	.00352	.00993	.96117	.01108	.00909	.2009	.01756	.02605
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	**.53021**	**.01081**	**.00491**	**.00524**	**.02042**	**.00479**	**.01014**
Stddev	.01329	.00004	.00014	.00005	.00075	.00001	.00048
%RSD	2.5073	.33965	2.8312	.88821	3.6881	.17907	4.7128
#1	.52081	.01078	.00501	.00521	.01989	.00478	.01047
#2	.53961	.01083	.00481	.00528	.02096	.00479	.00980
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	**3407.9**	**4812.1**	**71080.**	**14385.**
Stddev	4.6	5.8	132.	27.
%RSD	.13482	.12059	.18567	.18803
#1	3411.2	4816.2	70987.	14404.
#2	3404.7	4808.0	71173.	14366.

Sample Name: 480-55451-A-7-A Acquired: 3/14/2014 13:36:38 Type: Unk
Method: ICAP1 New RLs at low cal point Mode: CONC Corr. Factor: 1.000000
User: AMH 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	**-.00205**	**89.977**	**.09283**	**.24008**	**.66081**	**.00437**	F **1672.4**	**.00350**	**.03704**
Stddev	.00021	.310	.00293	.00036	.00048	.00008	2.9	.00002	.00007
%RSD	10.111	.34470	3.1545	.15035	.07267	1.8247	.17139	.56221	.17631
#1	-.00191	89.757	.09490	.23983	.66047	.00443	1670.3	.00349	.03699
#2	-.00220	90.196	.09075	.24034	.66115	.00432	1674.4	.00352	.03709
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass
High Limit							900.00		
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	**.13447**	**.11303**	**83.508**	**18.621**	**31.617**	**.11633**	**91.700**	**1.8802**	**.02118**
Stddev	.00207	.00016	.362	.008	.161	.00050	.431	.0117	.00034
%RSD	1.5364	.14278	.43337	.04292	.51067	.43408	.46988	.62019	1.6024
#1	.13301	.11291	83.252	18.627	31.731	.11597	91.395	1.8720	.02094
#2	.13594	.11314	83.764	18.615	31.503	.11668	92.005	1.8884	.02142
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	**1.6656**	**.11072**	**.34208**	F **116.1**	**-.00231**	**.02725**	**160.77**	**.03739**	**1.8774**
Stddev	.0029	.00086	.00060	.0	.00032	.01043	.33	.00113	.0041
%RSD	.17292	.77515	.17395	.0027	13.813	38.291	.20593	3.0285	.21723
#1	1.6677	.11011	.34250	116.2	-.00208	.01987	160.53	.03819	1.8745
#2	1.6636	.11132	.34165	116.1	-.00253	.03463	161.00	.03659	1.8803
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				9.000					
Low Limit				-.2000					

Elem	Ti3349	Tl1908	V_2924	Zn2062
Line	334.904 {101}	190.856 {477}	292.402 {115}	206.200 {163}
IS Ref	(Y_3600)	(In2306)	(Y_3600)	(Y_3600)
Units	ppm	ppm	ppm	ppm
Avg	**2.9106**	**.01084**	**.16355**	**.30698**
Stddev	.0022	.00604	.00049	.00366
%RSD	.07711	55.786	.30187	1.1915
#1	2.9122	.01511	.16321	.30439
#2	2.9090	.00656	.16390	.30957
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				
Low Limit				

Int. Std.	In2306	Y_2243	Y_3600	Y_3774
Line	230.606 {446}	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**2164.6**	**3954.8**	**57243.**	**13178.**
Stddev	4.1	7.7	119.	1.
%RSD	.19153	.19387	.20779	.00501
#1	2161.7	3949.4	57327.	13179.
#2	2167.5	3960.2	57159.	13178.

Sample Name: 480-55451-A-8-A Acquired: 3/14/2014 13:39:35 Type: Unk
Method: ICAP1 New RLs at low cal point Mode: CONC Corr. Factor: 1.000000
User: AMH 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	**-.00185**	**82.165**	**.09659**	**.24676**	**.62918**	**.00415**	F **1770.8**	**.00340**	**.03159**
Stddev	.00010	.277	.00134	.00029	.00166	.00007	.1	.00002	.00008
%RSD	5.2688	.33661	1.3845	.11755	.26435	1.6745	.00685	.71717	.25472
#1	-.00178	82.361	.09753	.24697	.63036	.00420	1770.7	.00342	.03165
#2	-.00192	81.969	.09564	.24656	.62800	.00410	1770.9	.00339	.03153
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass
High Limit							900.00		
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	**.12602**	**.09412**	**70.392**	**19.334**	**32.920**	**.11030**	**94.741**	**1.5970**	**.02188**
Stddev	.00054	.00036	.349	.036	.141	.00099	.046	.0007	.00004
%RSD	.42977	.37851	.49613	.18539	.42820	.89841	.04898	.04581	.19581
#1	.12640	.09438	70.639	19.359	32.820	.11100	94.774	1.5965	.02185
#2	.12563	.09387	70.145	19.308	33.020	.10960	94.708	1.5976	.02191
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	**1.8397**	**.10032**	**.41939**	F **119.3**	**-.00406**	**.03080**	**123.04**	**.03788**	**1.8882**
Stddev	.0166	.00056	.00043	.1	.00174	.00234	.07	.00041	.0034
%RSD	.89987	.55503	.10363	.0552	42.862	7.6050	.05347	1.0907	.17957
#1	1.8514	.09992	.41970	119.2	-.00528	.02914	123.09	.03759	1.8906
#2	1.8280	.10071	.41908	119.3	-.00283	.03246	122.99	.03817	1.8858
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				9.000					
Low Limit				-.2000					

Elem	Ti3349	Tl1908	V_2924	Zn2062
Line	334.904 {101}	190.856 {477}	292.402 {115}	206.200 {163}
IS Ref	(Y_3600)	(In2306)	(Y_3600)	(Y_3600)
Units	ppm	ppm	ppm	ppm
Avg	**2.9953**	**.00488**	**.15033**	**.29160**
Stddev	.0035	.00142	.00044	.00110
%RSD	.11670	29.172	.29125	.37654
#1	2.9978	.00388	.15002	.29083
#2	2.9928	.00589	.15064	.29238
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				
Low Limit				

Int. Std.	In2306	Y_2243	Y_3600	Y_3774
Line	230.606 {446}	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**2149.6**	**3921.3**	**56988.**	**13217.**
Stddev	2.9	8.8	81.	30.
%RSD	.13438	.22494	.14297	.22572
#1	2147.6	3915.1	56930.	13196.
#2	2151.7	3927.6	57046.	13238.

Sample Name: 480-55451-A-9-A Acquired: 3/14/2014 13:42:26 Type: Unk
Method: ICAP1 New RLs at low cal point Mode: CONC Corr. Factor: 1.000000
User: AMH 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	**-.00192**	**88.222**	**.09464**	**.25831**	**.62386**	**.00435**	F **1884.0**	**.00368**	**.03424**
Stddev	.00050	.566	.00042	.00002	.00285	.00012	10.6	.00010	.00059
%RSD	26.205	.64102	.44876	.00957	.45737	2.6841	.56367	2.7532	1.7233
#1	-.00156	87.822	.09434	.25830	.62184	.00443	1876.5	.00361	.03383
#2	-.00228	88.622	.09494	.25833	.62588	.00427	1891.5	.00375	.03466
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass
High Limit							900.00		
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	**.14032**	**.09733**	**73.549**	**23.962**	**40.405**	**.10702**	**99.418**	**1.7513**	**.02456**
Stddev	.00083	.00015	.574	.217	.157	.00036	.450	.0099	.00048
%RSD	.58914	.15758	.78051	.90758	.38764	.33212	.45290	.56439	1.9393
#1	.14090	.09744	73.143	23.808	40.515	.10677	99.737	1.7583	.02490
#2	.13973	.09722	73.955	24.115	40.294	.10727	99.100	1.7443	.02423
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	**2.2513**	**.10913**	**.33030**	F **141.4**	**-.00365**	**.03787**	**81.442**	**.03937**	**1.9189**
Stddev	.0161	.00028	.00128	.3	.00149	.00306	.411	.00063	.0110
%RSD	.71365	.25732	.38871	.1931	40.961	8.0911	.50470	1.5915	.57187
#1	2.2399	.10893	.33121	141.6	-.00259	.04004	81.151	.03981	1.9111
#2	2.2627	.10932	.32939	141.2	-.00471	.03570	81.732	.03893	1.9266
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				9.000					
Low Limit				-.2000					

Elem	Ti3349	Tl1908	V_2924	Zn2062
Line	334.904 {101}	190.856 {477}	292.402 {115}	206.200 {163}
IS Ref	(Y_3600)	(In2306)	(Y_3600)	(Y_3600)
Units	ppm	ppm	ppm	ppm
Avg	**3.1624**	**.00568**	**.16491**	**.34523**
Stddev	.0181	.00048	.00090	.00407
%RSD	.57255	8.4904	.54617	1.1801
#1	3.1752	.00534	.16554	.34811
#2	3.1496	.00602	.16427	.34235
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				
Low Limit				

Int. Std.	In2306	Y_2243	Y_3600	Y_3774
Line	230.606 {446}	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**2140.2**	**3927.7**	**57179.**	**13246.**
Stddev	1.9	1.8	306.	29.
%RSD	.09086	.04491	.53446	.21942
#1	2138.8	3926.4	56963.	13267.
#2	2141.5	3928.9	57395.	13226.

Sample Name: 480-55451-A-10-A Acquired: 3/14/2014 13:45:16 Type: Unk
Method: ICAP1 New RLs at low cal point Mode: CONC Corr. Factor: 1.000000
User: AMH 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	**-.00100**	**83.010**	**.08890**	**.23735**	**.62063**	**.00432**	F **1779.2**	**.00381**	**.03333**
Stddev	.00002	.589	.00303	.00043	.00297	.00006	6.5	.00006	.00005
%RSD	1.7128	.70966	3.4107	.18277	.47862	1.3281	.36630	1.4448	.14036
#1	-.00101	82.594	.08676	.23766	.61853	.00437	1774.6	.00385	.03337
#2	-.00099	83.427	.09105	.23704	.62273	.00428	1783.8	.00377	.03330
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass
High Limit							900.00		
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	**.14346**	**.10359**	**73.441**	**15.104**	**26.332**	**.10233**	**92.110**	**1.7260**	**.02402**
Stddev	.00039	.00001	.276	.017	.011	.00074	.473	.0078	.00022
%RSD	.27294	.01425	.37606	.11192	.04155	.71872	.51311	.45097	.91361
#1	.14373	.10358	73.246	15.092	26.324	.10181	91.776	1.7205	.02418
#2	.14318	.10360	73.637	15.115	26.339	.10285	92.444	1.7315	.02387
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	**1.5492**	**.10577**	**.31724**	F **125.2**	**-.00339**	**.03368**	**116.22**	**.03845**	**1.8328**
Stddev	.0043	.00048	.00147	.0	.00130	.00379	.36	.00085	.0066
%RSD	.27992	.45528	.46244	.0205	38.366	11.254	.31275	2.1995	.36077
#1	1.5462	.10611	.31828	125.2	-.00431	.03100	115.96	.03785	1.8282
#2	1.5523	.10543	.31620	125.2	-.00247	.03636	116.48	.03905	1.8375
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				9.000					
Low Limit				-.2000					

Elem	Ti3349	Tl1908	V_2924	Zn2062
Line	334.904 {101}	190.856 {477}	292.402 {115}	206.200 {163}
IS Ref	(Y_3600)	(In2306)	(Y_3600)	(Y_3600)
Units	ppm	ppm	ppm	ppm
Avg	**2.9582**	**.00437**	**.16083**	**.31158**
Stddev	.0158	.00087	.00000	.00032
%RSD	.53518	19.987	.00196	.10229
#1	2.9470	.00375	.16084	.31135
#2	2.9694	.00499	.16083	.31180
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				
Low Limit				

Int. Std.	In2306	Y_2243	Y_3600	Y_3774
Line	230.606 {446}	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**2154.0**	**3929.7**	**56671.**	**13140.**
Stddev	1.7	7.9	37.	2.
%RSD	.07695	.20059	.06527	.01734
#1	2152.8	3924.1	56697.	13142.
#2	2155.1	3935.3	56645.	13139.

Sample Name: 480-55482-B-1-C Acquired: 3/14/2014 13:48:07 Type: Unk
Method: ICAP1 New RLs at low cal point Mode: CONC Corr. Factor: 1.000000
User: AMH 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	**-.00137**	**29.224**	**.04370**	**.01341**	**1.3670**	**.00231**	**11.953**	**.02193**	**.03273**
Stddev	.00039	.013	.00142	.00038	.0010	.00001	.019	.00005	.00017
%RSD	28.786	.04393	3.2467	2.8011	.07362	.58984	.15540	.21062	.50530
#1	-.00165	29.215	.04270	.01314	1.3663	.00232	11.966	.02197	.03284
#2	-.00109	29.233	.04470	.01368	1.3677	.00230	11.940	.02190	.03261
Check ?	Chk 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	**.06752**	**.27648**	**61.655**	**3.0724**	**3.0939**	**.06282**	**13.343**	**6.4078**	**.00642**
Stddev	.00056	.00101	.114	.0087	.0226	.00005	.030	.0138	.00025
%RSD	.83467	.36508	.18450	.28284	.72932	.07741	.22360	.21608	3.8549
#1	.06792	.27577	61.736	3.0662	3.0779	.06285	13.364	6.4176	.00625
#2	.06713	.27720	61.575	3.0785	3.1098	.06279	13.322	6.3980	.00660
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	**1.2313**	**.11424**	**1.3058**	**2.231**	**.00010**	**.00480**	**10.873**	**.04769**	**.08479**
Stddev	.0063	.00045	.0022	.008	.00043	.00113	.042	.00049	.00012
%RSD	.51225	.39704	.17210	.3591	440.00	23.575	.38483	1.0360	.13937
#1	1.2269	.11457	1.3074	2.237	.00040	.00400	10.902	.04734	.08471
#2	1.2358	.11392	1.3042	2.225	-.00020	.00560	10.843	.04804	.08488
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	**.53026**	**-.00143**	**.08458**	**2.3303**
Stddev	.00751	.00033	.00043	.0026
%RSD	1.4161	23.069	.51168	.11180
#1	.52495	-.00120	.08489	2.3321
#2	.53557	-.00167	.08428	2.3285
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				
Low Limit				

Int. Std.	In2306	Y_2243	Y_3600	Y_3774
Line	230.606 {446}	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**3075.3**	**4627.0**	**67985.**	**14107.**
Stddev	.5	4.9	113.	.
%RSD	.01733	.10563	.16690	.00257
#1	3074.9	4630.5	67904.	14108.
#2	3075.6	4623.6	68065.	14107.

Sample Name: 480-55482-A-2-B Acquired: 3/14/2014 13:50:58 Type: Unk
Method: ICAP1 New RLs at low cal point Mode: CONC Corr. Factor: 1.000000
User: AMH 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	**-.00116**	**27.138**	**.02808**	**.01616**	**1.8756**	**.00249**	**11.020**	**.01358**	**.02355**
Stddev	.00032	.107	.00266	.00026	.0059	.00003	.012	.00004	.00004
%RSD	27.705	.39407	9.4568	1.6242	.31207	1.0859	.10770	.30763	.17268
#1	-.00139	27.062	.02620	.01635	1.8714	.00247	11.012	.01360	.02358
#2	-.00093	27.213	.02996	.01597	1.8797	.00251	11.029	.01355	.02352
Check ?	Chk 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	**.10278**	**.76285**	**49.357**	**2.7201**	**2.7026**	**.06797**	**5.3363**	**3.3566**	**.00705**
Stddev	.00027	.00187	.007	.0036	.0099	.00052	.0110	.0011	.00036
%RSD	.26589	.24573	.01495	.13042	.36780	.77104	.20691	.03391	5.1345
#1	.10259	.76152	49.352	2.7226	2.6955	.06760	5.3441	3.3574	.00680
#2	.10297	.76417	49.363	2.7176	2.7096	.06834	5.3285	3.3558	.00731
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	**1.0554**	**.06675**	**1.1161**	**2.526**	**.00943**	**.00766**	**9.2186**	**.24361**	**.12864**
Stddev	.0016	.00054	.0027	.006	.00017	.00162	.0589	.00138	.00056
%RSD	.15578	.80354	.23950	.2248	1.7753	21.108	.63882	.56491	.43297
#1	1.0543	.06637	1.1142	2.530	.00931	.00880	9.1770	.24264	.12825
#2	1.0566	.06713	1.1180	2.522	.00954	.00651	9.2603	.24458	.12904
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	**.48711**	**-.00075**	**.09173**	**3.1733**
Stddev	.00093	.00069	.00009	.0145
%RSD	.19080	92.837	.10139	.45669
#1	.48646	-.00026	.09166	3.1836
#2	.48777	-.00124	.09180	3.1631
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				
Low Limit				

Int. Std.	In2306	Y_2243	Y_3600	Y_3774
Line	230.606 {446}	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**3112.4**	**4643.7**	**68808.**	**14312.**
Stddev	1.1	3.3	33.	9.
%RSD	.03426	.07080	.04745	.06584
#1	3113.2	4641.4	68832.	14306.
#2	3111.7	4646.0	68785.	14319.

Sample Name: 480-55482-A-3-A Acquired: 3/14/2014 13:53:44 Type: Unk
Method: ICAP1 New RLs at low cal point Mode: CONC Corr. Factor: 1.000000
User: AMH 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	**-.00263**	**47.195**	**.07152**	**.02470**	**.89515**	**.00336**	**49.666**	**.01414**	**.04702**
Stddev	.00010	.105	.00044	.00035	.00287	.00004	.027	.00004	.00017
%RSD	3.7617	.22326	.61625	1.4366	.32095	1.2491	.05463	.24760	.36689
#1	-.00270	47.270	.07183	.02495	.89718	.00333	49.685	.01416	.04714
#2	-.00256	47.121	.07121	.02445	.89312	.00339	49.647	.01411	.04689
Check ?	Chk 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	**.04708**	**3.2721**	**87.957**	**5.3031**	**5.5775**	**.10531**	**15.470**	**5.5442**	**.00218**
Stddev	.00059	.0100	.126	.0077	.0145	.00014	.031	.0290	.00027
%RSD	1.2631	.30608	.14323	.14564	.26046	.13278	.20162	.52242	12.484
#1	.04666	3.2650	87.868	5.3085	5.5672	.10521	15.448	5.5237	.00237
#2	.04750	3.2792	88.046	5.2976	5.5877	.10540	15.492	5.5647	.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	**2.2327**	**.08292**	**.36205**	**7.827**	**-.00173**	**.00298**	**15.863**	**.04428**	**.30965**
Stddev	.0013	.00015	.00065	.004	.00076	.00254	.055	.00053	.00093
%RSD	.05860	.17620	.17854	.0536	44.011	85.409	.34901	1.2043	.29949
#1	2.2336	.08282	.36251	7.824	-.00119	.00478	15.902	.04390	.31031
#2	2.2318	.08303	.36160	7.830	-.00227	.00118	15.824	.04466	.30899
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	**.57979**	**-.00229**	**.06755**	**1.2626**
Stddev	.00518	.00046	.00011	.0189
%RSD	.89316	20.160	.16836	1.4955
#1	.57612	-.00261	.06747	1.2492
#2	.58345	-.00196	.06763	1.2759
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				
Low Limit				

Int. Std.	In2306	Y_2243	Y_3600	Y_3774
Line	230.606 {446}	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**2906.6**	**4497.2**	**66253.**	**14000.**
Stddev	3.3	7.1	75.	32.
%RSD	.11225	.15741	.11359	.22872
#1	2904.3	4492.2	66306.	13978.
#2	2908.9	4502.2	66200.	14023.

Sample Name: 480-55482-B-4-C Acquired: 3/14/2014 13:56:40 Type: Unk
Method: ICAP1 New RLs at low cal point Mode: CONC Corr. Factor: 1.000000
User: AMH 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	F **-.00303**	**45.456**	**.02647**	**.00535**	**.50598**	**.00392**	**9.2189**	**.00072**	**.06728**
Stddev	.00016	.171	.00090	.00009	.00164	.00001	.0606	.00003	.00003
%RSD	5.2309	.37724	3.4171	1.6807	.32406	.30342	.65751	4.3303	.04089
#1	-.00292	45.577	.02711	.00528	.50714	.00391	9.2618	.00074	.06730
#2	-.00315	45.335	.02583	.00541	.50482	.00392	9.1760	.00070	.06726
Check ?	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	1.9800								
Low Limit	-.00300								

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	**.04721**	**.07016**	**92.609**	**5.7543**	**5.7363**	**.15225**	**23.391**	**2.6358**	**-.00008**
Stddev	.00016	.00045	.582	.0502	.0338	.00060	.008	.0023	.00018
%RSD	.34445	.63587	.62882	.87264	.58931	.39116	.03303	.08720	230.87
#1	.04709	.06985	93.021	5.7898	5.7602	.15267	23.386	2.6342	-.00021
#2	.04732	.07048	92.197	5.7188	5.7124	.15183	23.397	2.6374	.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	**1.3073**	**.12884**	**.06179**	**.0444**	**-.00508**	**.00077**	**13.860**	**.03730**	**.04060**
Stddev	.0045	.00043	.00016	.0025	.00044	.00444	.056	.00049	.00007
%RSD	.34675	.33575	.25290	5.611	8.6095	574.76	.40567	1.3030	.17660
#1	1.3105	.12915	.06190	.0462	-.00477	.00391	13.900	.03764	.04065
#2	1.3041	.12854	.06168	.0427	-.00539	-.00237	13.820	.03696	.04055
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	**.52129**	**-.00502**	**.04663**	**.32931**
Stddev	.00037	.00249	.00028	.00094
%RSD	.07145	49.591	.60541	.28563
#1	.52103	-.00678	.04643	.32998
#2	.52156	-.00326	.04683	.32865
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				
Low Limit				

Int. Std.	In2306	Y_2243	Y_3600	Y_3774
Line	230.606 {446}	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**2965.4**	**4619.3**	**68644.**	**14383.**
Stddev	7.2	7.2	52.	130.
%RSD	.24188	.15681	.07609	.90071
#1	2960.3	4614.1	68607.	14291.
#2	2970.5	4624.4	68681.	14474.

Sample Name: 480-55482-D-5-D Acquired: 3/14/2014 13:59:26 Type: Unk
Method: ICAP1 New RLs at low cal point Mode: CONC Corr. Factor: 1.000000
User: AMH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	B_2089	Ba4554-2	Be3130	Ca3179	Cd2288	Co2286
Line	328.068 {103}	308.215 {109}	189.042 {478}	208.959 {461}	455.403 { 74}2	313.042 {108}	317.933 {106}	228.802 {447}	228.616 {447}
IS Ref	(Y_3600)	(Y_3774)	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3774)	(Y_3774)	(Y_2243)	(In2306)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00107**	**.06654**	**-.00025**	**.00110**	**.00549**	**-.00005**	**.47603**	**.00007**	**-.00007**
Stddev	.00017	.00174	.00062	.00031	.00000	.00005	.00121	.00001	.00009
%RSD	16.251	2.6149	244.54	27.915	.05128	106.07	.25367	15.562	128.76
#1	-.00095	.06531	-.00069	.00088	.00549	-.00001	.47688	.00006	-.00001
#2	-.00119	.06777	.00018	.00131	.00549	-.00008	.47517	.00008	-.00013
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Cr2677	Cu3247	Fe2599	K_7664	K_7664-2	Li6707	Mg2790	Mn2576	Mo2020
Line	267.716 {126}	324.754 {104}	259.940 {130}	766.490 { 44}	766.490 { 44}2	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}
IS Ref	(Y_3600)	(Y_3600)	(Y_3774)	(Y_3774)	(Y_3774)	(Y_3774)	(Y_3600)	(Y_3600)	(Y_2243)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00030**	**.00179**	**.09393**	**-.00765**	**.05434**	**.00117**	**.09800**	**.01812**	**.00018**
Stddev	.00032	.00018	.00033	.01721	.00053	.00015	.00337	.00001	.00013
%RSD	107.37	10.273	.34917	224.93	.96985	12.858	3.4374	.05862	73.109
#1	-.00053	.00166	.09369	-.01982	.05396	.00106	.09562	.01812	.00009
#2	-.00007	.00192	.09416	.00452	.05471	.00127	.10039	.01811	.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	**.13314**	**.00007**	**.00618**	**.1210**	**-.00135**	**.00083**	**.14507**	**.04347**	**.00302**
Stddev	.00791	.00033	.00014	.0059	.00047	.00176	.04675	.00022	.00001
%RSD	5.9414	502.60	2.3016	4.908	34.430	210.98	32.225	.50542	.49023
#1	.13874	-.00017	.00608	.1252	-.00102	.00208	.11201	.04332	.00301
#2	.12755	.00030	.00628	.1168	-.00168	-.00041	.17812	.04363	.00303
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	**.00152**	**.00048**	**.00158**	**.00400**
Stddev	.00040	.00149	.00025	.00013
%RSD	26.264	309.43	16.060	3.1529
#1	.00124	-.00057	.00140	.00392
#2	.00180	.00154	.00176	.00409
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				
Low Limit				

Int. Std.	In2306	Y_2243	Y_3600	Y_3774
Line	230.606 {446}	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**3216.8**	**4525.2**	**67344.**	**13675.**
Stddev	.8	.2	105.	77.
%RSD	.02470	.00522	.15518	.56287
#1	3216.2	4525.4	67418.	13621.
#2	3217.4	4525.0	67270.	13730.

Sample Name: CCV Acquired: 3/14/2014 14:02:14 Type: QC
Method: ICAP1 New RLs at low cal point Mode: CONC Corr. Factor: 1.000000
User: AMH 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	**.49272**	**25.126**	**.50735**	**.48690**	**.50300**	**.51080**	**24.831**	**.49088**	**.49622**	**.50573**	**.49931**	**25.209**
Stddev	.00026	.023	.00249	.00089	.00039	.00210	.067	.00022	.00123	.00309	.00395	.061
%RSD	.05334	.09231	.49000	.18255	.07664	.41094	.26939	.04568	.24855	.61012	.79189	.24027
#1	.49291	25.143	.50910	.48753	.50273	.50932	24.783	.49072	.49709	.50791	.50211	25.166
#2	.49253	25.110	.50559	.48627	.50328	.51228	24.878	.49104	.49534	.50355	.49651	25.252
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	**24.631**	**25.378**	**.50506**	**25.195**	**.51269**	**.49564**	**24.196**	**.50398**	**.49542**	**25.21**	**.50494**	**.49819**
Stddev	.005	.025	.00198	.038	.00103	.00095	.021	.00141	.00178	.06	.00265	.00202
%RSD	.02145	.09880	.39128	.14943	.20073	.19178	.08686	.27879	.35863	.2207	.52548	.40497
#1	24.627	25.396	.50645	25.222	.51342	.49497	24.211	.50299	.49668	25.18	.50306	.49676
#2	24.634	25.360	.50366	25.168	.51196	.49631	24.181	.50498	.49416	25.25	.50681	.49961
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	**24.729**	**.52567**	**.49694**	**.49465**	**.50161**	**.48978**	**.49725**
Stddev	.283	.00058	.00073	.00117	.00281	.00089	.00187
%RSD	1.1428	.10966	.14695	.23745	.56003	.18166	.37595
#1	24.529	.52608	.49643	.49382	.50360	.49041	.49593
#2	24.929	.52527	.49746	.49548	.49962	.48915	.49857
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	**3008.6**	**4558.5**	**66711.**	**13952.**
Stddev	1.9	2.9	159.	63.
%RSD	.06164	.06286	.23879	.44934
#1	3007.3	4560.6	66599.	13996.
#2	3009.9	4556.5	66824.	13908.

Sample Name: CCB Acquired: 3/14/2014 14:04:51 Type: QC
Method: ICAP1 New RLs at low cal point Mode: CONC Corr. Factor: 1.000000
User: AMH 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	**-.00065**	**.00123**	**-.00062**	**.00067**	**.00019**	**.00004**	**.02497**	**.00007**	**.00007**	**-.00006**	**-.00043**	**.00650**
Stddev	.00049	.00496	.00189	.00015	.00000	.00004	.01681	.00011	.00005	.00010	.00016	.00339
%RSD	75.631	404.62	303.06	22.193	.70334	111.15	67.327	156.09	76.581	166.83	38.402	52.129
#1	-.00100	-.00228	.00071	.00056	.00019	.00007	.01308	-.00001	.00010	.00001	-.00054	.00410
#2	-.00030	.00474	-.00196	.00077	.00019	.00001	.03686	.00015	.00003	-.00012	-.00031	.00889
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	**-.04619**	**.00200**	**.00066**	**-.00201**	**.00010**	**.00059**	**-.01080**	**-.00029**	**.00042**	F **.0083**	**-.00076**	**-.00037**
Stddev	.03269	.00017	.00006	.00055	.00000	.00001	.00618	.00007	.00039	.0011	.00185	.00008
%RSD	70.773	8.3359	9.5036	27.513	3.5942	2.1194	57.229	24.032	92.191	13.28	242.30	20.421
#1	-.06930	.00212	.00070	-.00162	.00010	.00058	-.00643	-.00024	.00069	.0076	-.00207	-.00032
#2	-.02307	.00188	.00061	-.00240	.00011	.00060	-.01517	-.00034	.00015	.0091	.00054	-.00042
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
High Limit										.0030		
Low Limit										-.0040		

Elem	Si2881	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.05724**	**.00034**	**.00014**	**.00050**	**.00044**	**-.00013**	**.00007**
Stddev	.02216	.00013	.00001	.00013	.00131	.00016	.00017
%RSD	38.724	38.120	5.7940	26.631	297.26	131.10	222.99
#1	.04156	.00043	.00014	.00060	-.00049	-.00024	.00019
#2	.07291	.00025	.00013	.00041	.00137	-.00001	-.00004
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	**3323.7**	**4674.2**	**69481.**	**14095.**
Stddev	6.7	4.3	35.	2.
%RSD	.20211	.09302	.05056	.01142
#1	3328.5	4677.3	69506.	14094.
#2	3319.0	4671.1	69456.	14097.

Sample Name: CCVL Acquired: 3/14/2014 14:07:39 Type: QC
Method: ICAP1 New RLs at low cal point Mode: CONC Corr. Factor: 1.000000
User: AMH 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	**.00461**	**.19283**	**.01661**	**.01958**	**.00229**	**.00209**	**.50284**	**.00190**	**.00401**	**.00367**	**.00910**	**.05297**
Stddev	.00049	.00812	.00016	.00005	.00004	.00007	.00323	.00009	.00001	.00018	.00017	.00063
%RSD	10.594	4.2118	.98637	.27973	1.7475	3.3451	.64147	4.9852	.13534	4.7708	1.8953	1.1949
#1	.00496	.19858	.01672	.01954	.00226	.00214	.50512	.00197	.00400	.00355	.00922	.05341
#2	.00426	.18709	.01649	.01962	.00232	.00205	.50056	.00184	.00401	.00379	.00898	.05252
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	**.40714**	**.40622**	**.02981**	**.20228**	**.00352**	**.01013**	**.93659**	**.01083**	**.00952**	**.1993**	**.01754**	**.02372**
Stddev	.00265	.00059	.00060	.00193	.00001	.00019	.00479	.00009	.00088	.0007	.00092	.00163
%RSD	.64987	.14617	2.0120	.95383	.27919	1.8549	.51112	.87018	9.2682	.3691	5.2422	6.8860
#1	.40901	.40664	.03023	.20364	.00351	.01027	.93998	.01077	.00890	.1998	.01819	.02487
#2	.40527	.40580	.02938	.20091	.00352	.01000	.93321	.01090	.01015	.1988	.01689	.02256
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	**.49501**	**.01026**	**.00473**	**.00513**	**.02065**	**.00490**	**.00960**
Stddev	.02106	.00002	.00005	.00037	.00032	.00008	.00041
%RSD	4.2537	.23640	1.0159	7.1480	1.5398	1.5585	4.2769
#1	.48012	.01028	.00476	.00487	.02042	.00495	.00989
#2	.50990	.01025	.00469	.00538	.02087	.00485	.00931
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	**3406.9**	**4811.4**	**71641.**	**14493.**
Stddev	4.8	2.6	174.	22.
%RSD	.14192	.05396	.24221	.15334
#1	3410.3	4813.2	71518.	14509.
#2	3403.5	4809.5	71764.	14477.

Sample Name: 480-55709-A-1-A Acquired: 3/14/2014 14:10:26 Type: Unk
Method: ICAP1 New RLs at low cal point Mode: CONC Corr. Factor: 1.000000
User: AMH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	B_2089	Ba4554-2	Be3130	Ca3179	Cd2288	Co2286
Line	328.068 {103}	308.215 {109}	189.042 {478}	208.959 {461}	455.403 { 74}2	313.042 {108}	317.933 {106}	228.802 {447}	228.616 {447}
IS Ref	(Y_3600)	(Y_3774)	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3774)	(Y_3774)	(Y_2243)	(In2306)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00175**	**13.992**	**.00874**	**.00105**	**.08589**	**.00059**	**6.1298**	**.00021**	**.01828**
Stddev	.00065	.012	.00041	.00018	.00006	.00001	.0544	.00004	.00023
%RSD	37.333	.08321	4.6487	17.541	.06482	1.0051	.88674	17.160	1.2575
#1	-.00221	13.984	.00902	.00118	.08593	.00058	6.0914	.00018	.01844
#2	-.00129	14.000	.00845	.00092	.08585	.00059	6.1683	.00023	.01812
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Cr2677	Cu3247	Fe2599	K_7664	K_7664-2	Li6707	Mg2790	Mn2576	Mo2020
Line	267.716 {126}	324.754 {104}	259.940 {130}	766.490 { 44}	766.490 { 44}2	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}
IS Ref	(Y_3600)	(Y_3600)	(Y_3774)	(Y_3774)	(Y_3774)	(Y_3774)	(Y_3600)	(Y_3600)	(Y_2243)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.03011**	**.02209**	**31.628**	**3.6690**	**3.3518**	**.02235**	**5.8028**	**.64389**	**.00170**
Stddev	.00002	.00020	.110	.0168	.0329	.00012	.0004	.00108	.00034
%RSD	.07360	.88514	.34686	.45655	.98160	.54349	.00784	.16772	20.066
#1	.03009	.02223	31.550	3.6571	3.3286	.02243	5.8031	.64466	.00194
#2	.03012	.02195	31.705	3.6808	3.3751	.02226	5.8025	.64313	.00146
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	**.59779**	**.01833**	**.01115**	**.0908**	**-.00158**	**-.00093**	**7.6161**	**.04344**	**.01993**
Stddev	.00656	.00031	.00006	.0031	.00088	.00120	.0135	.00017	.00005
%RSD	1.0977	1.7089	.50055	3.441	55.937	129.73	.17747	.39633	.26010
#1	.60243	.01811	.01119	.0886	-.00220	-.00178	7.6066	.04356	.01989
#2	.59315	.01855	.01111	.0930	-.00095	-.00008	7.6257	.04331	.01996
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	**1.3116**	**-.00153**	**.03695**	**.05789**
Stddev	.0021	.00035	.00006	.00081
%RSD	.15618	23.024	.16025	1.3995
#1	1.3102	-.00128	.03699	.05846
#2	1.3131	-.00178	.03691	.05732
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				
Low Limit				

Int. Std.	In2306	Y_2243	Y_3600	Y_3774
Line	230.606 {446}	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**3087.8**	**4583.8**	**67349.**	**13942.**
Stddev	3.7	10.9	267.	57.
%RSD	.12065	.23703	.39578	.40703
#1	3085.1	4576.1	67161.	13982.
#2	3090.4	4591.5	67538.	13902.

Sample Name: 480-55709-A-2-A Acquired: 3/14/2014 14:13:08 Type: Unk
Method: ICAP1 New RLs at low cal point Mode: CONC Corr. Factor: 1.000000
User: AMH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	B_2089	Ba4554-2	Be3130	Ca3179	Cd2288	Co2286
Line	328.068 {103}	308.215 {109}	189.042 {478}	208.959 {461}	455.403 { 74}2	313.042 {108}	317.933 {106}	228.802 {447}	228.616 {447}
IS Ref	(Y_3600)	(Y_3774)	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3774)	(Y_3774)	(Y_2243)	(In2306)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00194**	**17.169**	**.00852**	**.00058**	**.10760**	**.00068**	**5.5760**	**.00023**	**.01494**
Stddev	.00035	.036	.00110	.00027	.00001	.00001	.0185	.00006	.00012
%RSD	18.127	.20973	12.933	45.806	.01244	2.0861	.33186	27.958	.77067
#1	-.00219	17.143	.00930	.00077	.10759	.00067	5.5629	.00027	.01502
#2	-.00169	17.194	.00774	.00039	.10761	.00069	5.5891	.00018	.01486
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Cr2677	Cu3247	Fe2599	K_7664	K_7664-2	Li6707	Mg2790	Mn2576	Mo2020
Line	267.716 {126}	324.754 {104}	259.940 {130}	766.490 { 44}	766.490 { 44}2	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}
IS Ref	(Y_3600)	(Y_3600)	(Y_3774)	(Y_3774)	(Y_3774)	(Y_3774)	(Y_3600)	(Y_3600)	(Y_2243)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.02642**	**.02485**	**32.421**	**4.5215**	**4.1877**	**.02075**	**5.7689**	**.46176**	**.00110**
Stddev	.00009	.00022	.092	.0215	.0104	.00082	.0161	.00199	.00022
%RSD	.35038	.87672	.28400	.47640	.24897	3.9307	.27886	.43079	19.778
#1	.02636	.02469	32.355	4.5367	4.1951	.02017	5.7575	.46036	.00095
#2	.02649	.02500	32.486	4.5062	4.1803	.02133	5.7802	.46317	.00125
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Na5895	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	**2.4811**	**.01725**	**.01025**	**.0802**	**-.00212**	**.00132**	**8.4464**	**.04663**	**.01673**
Stddev	.0019	.00039	.00011	.0028	.00013	.00104	.0074	.00023	.00009
%RSD	.07817	2.2590	1.0792	3.494	6.2812	78.139	.08814	.49660	.56001
#1	2.4798	.01752	.01033	.0782	-.00222	.00059	8.4411	.04679	.01680
#2	2.4825	.01697	.01017	.0822	-.00203	.00206	8.4516	.04646	.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	Ti3349	Tl1908	V_2924	Zn2062
Line	334.904 {101}	190.856 {477}	292.402 {115}	206.200 {163}
IS Ref	(Y_3600)	(In2306)	(Y_3600)	(Y_3600)
Units	ppm	ppm	ppm	ppm
Avg	**1.6665**	**-.00325**	**.03724**	**.06086**
Stddev	.0031	.00165	.00006	.00165
%RSD	.18313	50.860	.15863	2.7095
#1	1.6643	-.00208	.03728	.05969
#2	1.6686	-.00441	.03719	.06202
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				
Low Limit				

Int. Std.	In2306	Y_2243	Y_3600	Y_3774
Line	230.606 {446}	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**3065.2**	**4599.4**	**68155.**	**14112.**
Stddev	3.3	13.9	8.	8.
%RSD	.10883	.30235	.01190	.05924
#1	3062.9	4589.5	68160.	14106.
#2	3067.6	4609.2	68149.	14118.

Sample Name: 480-55709-A-3-A Acquired: 3/14/2014 14:15:50 Type: Unk
Method: ICAP1 New RLs at low cal point Mode: CONC Corr. Factor: 1.000000
User: AMH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	B_2089	Ba4554-2	Be3130	Ca3179	Cd2288	Co2286
Line	328.068 {103}	308.215 {109}	189.042 {478}	208.959 {461}	455.403 { 74}2	313.042 {108}	317.933 {106}	228.802 {447}	228.616 {447}
IS Ref	(Y_3600)	(Y_3774)	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3774)	(Y_3774)	(Y_2243)	(In2306)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F **-.00454**	**36.304**	**.01090**	**.00077**	**.23621**	**.00125**	**7.6715**	**.00034**	**.01674**
Stddev	.00007	.055	.00077	.00018	.00025	.00002	.0209	.00003	.00017
%RSD	1.5113	.15136	7.0677	23.276	.10732	1.2226	.27173	9.2607	.99418
#1	-.00449	36.265	.01036	.00090	.23603	.00124	7.6568	.00036	.01662
#2	-.00459	36.343	.01145	.00064	.23639	.00126	7.6863	.00032	.01686
Check ?	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	1.9800								
Low Limit	-.00300								

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	**.06593**	**.02458**	**61.531**	**13.328**	**12.642**	**.06300**	**12.189**	**1.3193**	**.00775**
Stddev	.00019	.00022	.367	.041	.178	.00004	.006	.0017	.00000
%RSD	.29074	.91109	.59672	.30831	1.4076	.06007	.04604	.12600	.06431
#1	.06607	.02442	61.271	13.299	12.516	.06298	12.192	1.3205	.00776
#2	.06580	.02474	61.790	13.357	12.768	.06303	12.185	1.3181	.00775
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	**1.0531**	**.02461**	**.02037**	**.1191**	**-.00330**	**.00013**	**16.664**	**.03948**	**.02472**
Stddev	.0023	.00026	.00165	.0027	.00026	.00508	.024	.00015	.00016
%RSD	.21935	1.0565	8.0917	2.227	7.9759	3873.5	.14132	.37364	.64999
#1	1.0515	.02442	.02153	.1210	-.00348	.00372	16.647	.03938	.02461
#2	1.0548	.02479	.01920	.1173	-.00311	-.00346	16.681	.03959	.02484
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Ti3349	Tl1908	V_2924	Zn2062
Line	334.904 {101}	190.856 {477}	292.402 {115}	206.200 {163}
IS Ref	(Y_3600)	(In2306)	(Y_3600)	(Y_3600)
Units	ppm	ppm	ppm	ppm
Avg	**3.4934**	**-.00425**	**.05789**	**.17616**
Stddev	.0017	.00087	.00065	.00026
%RSD	.04984	20.385	1.1177	.14545
#1	3.4947	-.00486	.05835	.17597
#2	3.4922	-.00363	.05744	.17634
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				
Low Limit				

Int. Std.	In2306	Y_2243	Y_3600	Y_3774
Line	230.606 {446}	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**2998.9**	**4643.5**	**68439.**	**14315.**
Stddev	4.2	3.7	256.	24.
%RSD	.13970	.07969	.37411	.16583
#1	2995.9	4640.8	68258.	14332.
#2	3001.8	4646.1	68620.	14298.

Sample Name: 55507-2 tot raw Acquired: 3/14/2014 14:18:38 Type: Unk
Method: ICAP1 New RLs at low cal point Mode: CONC Corr. Factor: 1.000000
User: AMH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	B_2089	Ba4554-2	Be3130	Ca3179	Cd2288	Co2286
Line	328.068 {103}	308.215 {109}	189.042 {478}	208.959 {461}	455.403 { 74}2	313.042 {108}	317.933 {106}	228.802 {447}	228.616 {447}
IS Ref	(Y_3600)	(Y_3774)	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3774)	(Y_3774)	(Y_2243)	(In2306)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00146**	**.06898**	**.00088**	**.02652**	**.01787**	**-.00004**	**34.525**	**-.00012**	**.00016**
Stddev	.00007	.00984	.00098	.00015	.00058	.00003	.294	.00002	.00000
%RSD	5.0894	14.261	111.99	.57904	3.2195	78.463	.85052	12.659	.12287
#1	-.00141	.07593	.00018	.02641	.01827	-.00006	34.732	-.00011	.00016
#2	-.00151	.06202	.00158	.02663	.01746	-.00002	34.317	-.00013	.00016
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Cr2677	Cu3247	Fe2599	K_7664	K_7664-2	Li6707	Mg2790	Mn2576	Mo2020
Line	267.716 {126}	324.754 {104}	259.940 {130}	766.490 { 44}	766.490 { 44}2	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}
IS Ref	(Y_3600)	(Y_3600)	(Y_3774)	(Y_3774)	(Y_3774)	(Y_3774)	(Y_3600)	(Y_3600)	(Y_2243)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00469**	**.00796**	**.60421**	**1.6844**	**2.1735**	**.00460**	**8.7856**	**.01005**	**.00676**
Stddev	.00303	.00009	.03553	.0169	.0070	.00042	.0113	.00015	.00014
%RSD	64.623	1.1725	5.8807	1.0038	.32272	9.2295	.12880	1.5212	2.0035
#1	.00255	.00803	.62933	1.6724	2.1784	.00491	8.7936	.01016	.00685
#2	.00683	.00790	.57908	1.6964	2.1685	.00430	8.7776	.00994	.00666
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	**17.905**	**.02581**	**.00343**	F **9.149**	**.00013**	**.00011**	**.97055**	**-.00027**	**.15282**
Stddev	.032	.00060	.00030	.005	.00089	.00298	.01577	.00010	.00024
%RSD	.17727	2.3118	8.6215	.0558	677.91	2672.2	1.6247	36.031	.15496
#1	17.883	.02539	.00363	9.152	.00076	-.00200	.98170	-.00034	.15299
#2	17.928	.02623	.00322	9.145	-.00050	.00222	.95940	-.00020	.15266
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				9.000					
Low Limit				-.2000					

Elem	Ti3349	Tl1908	V_2924	Zn2062
Line	334.904 {101}	190.856 {477}	292.402 {115}	206.200 {163}
IS Ref	(Y_3600)	(In2306)	(Y_3600)	(Y_3600)
Units	ppm	ppm	ppm	ppm
Avg	**.00295**	**.00432**	**.00067**	**.00503**
Stddev	.00027	.00035	.00008	.00082
%RSD	9.1875	8.1983	12.191	16.360
#1	.00276	.00458	.00072	.00445
#2	.00314	.00407	.00061	.00561
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				
Low Limit				

Int. Std.	In2306	Y_2243	Y_3600	Y_3774
Line	230.606 {446}	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**3502.6**	**5117.5**	**76064.**	**15611.**
Stddev	22.2	41.5	227.	3.
%RSD	.63483	.81187	.29898	.01940
#1	3518.3	5146.9	76224.	15609.
#2	3486.9	5088.1	75903.	15613.

Sample Name: Ed 3 Acquired: 3/14/2014 14:21:23 Type: Unk
Method: ICAP1 New RLs at low cal point Mode: CONC Corr. Factor: 1.000000
User: AMH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	B_2089	Ba4554-2	Be3130	Ca3179	Cd2288	Co2286
Line	328.068 {103}	308.215 {109}	189.042 {478}	208.959 {461}	455.403 { 74}2	313.042 {108}	317.933 {106}	228.802 {447}	228.616 {447}
IS Ref	(Y_3600)	(Y_3774)	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3774)	(Y_3774)	(Y_2243)	(In2306)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00107**	**.00480**	**-.00058**	**-.00005**	**.00236**	**-.00005**	**.02627**	**-.00022**	**.00013**
Stddev	.00018	.00565	.00116	.00030	.00024	.00003	.00180	.00007	.00006
%RSD	16.718	117.83	199.86	630.34	10.306	49.759	6.8565	32.945	45.344
#1	-.00095	.00080	.00024	-.00026	.00219	-.00003	.02500	-.00017	.00018
#2	-.00120	.00879	-.00141	.00016	.00253	-.00007	.02755	-.00027	.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	**.00273**	**-.00064**	**.00514**	**-.06099**	**.00964**	**.00095**	**-.00069**	**-.00021**	**.00008**
Stddev	.00023	.00010	.00141	.00319	.00041	.00004	.00126	.00003	.00004
%RSD	8.3506	14.855	27.346	5.2386	4.2890	4.4903	183.49	16.402	46.503
#1	.00289	-.00071	.00613	-.06325	.00935	.00092	.00020	-.00019	.00010
#2	.00257	-.00057	.00414	-.05873	.00994	.00098	-.00158	-.00024	.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	**.23092**	**.00056**	**.00075**	**.1061**	**-.00122**	**-.00045**	**-.00479**	**-.00037**	**.00048**
Stddev	.00461	.00015	.00070	.0030	.00000	.00084	.00680	.00022	.00009
%RSD	1.9956	27.173	94.502	2.785	.07331	187.28	141.90	57.568	19.336
#1	.22766	.00045	.00124	.1082	-.00122	.00014	.00002	-.00053	.00041
#2	.23418	.00066	.00025	.1040	-.00122	-.00104	-.00959	-.00022	.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	Ti3349	Tl1908	V_2924	Zn2062
Line	334.904 {101}	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**	**.00376**	**.00005**	**.00180**
Stddev	.00035	.00113	.00024	.00005
%RSD	49.100	29.936	465.86	2.8759
#1	.00046	.00456	-.00012	.00176
#2	.00096	.00297	.00022	.00183
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				
Low Limit				

Int. Std.	In2306	Y_2243	Y_3600	Y_3774
Line	230.606 {446}	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**3627.2**	**5117.7**	**75543.**	**15513.**
Stddev	7.9	17.4	469.	45.
%RSD	.21703	.33966	.62058	.29025
#1	3632.7	5129.9	75875.	15545.
#2	3621.6	5105.4	75212.	15482.

Sample Name: dispenser Acquired: 3/14/2014 14:24:10 Type: Unk
Method: ICAP1 New RLs at low cal point Mode: CONC Corr. Factor: 1.000000
User: AMH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	B_2089	Ba4554-2	Be3130	Ca3179	Cd2288	Co2286
Line	328.068 {103}	308.215 {109}	189.042 {478}	208.959 {461}	455.403 { 74}2	313.042 {108}	317.933 {106}	228.802 {447}	228.616 {447}
IS Ref	(Y_3600)	(Y_3774)	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3774)	(Y_3774)	(Y_2243)	(In2306)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00126**	**-.00126**	**-.00119**	**-.00007**	**.00038**	**-.00001**	**.06274**	**-.00025**	**.00015**
Stddev	.00057	.00182	.00202	.00015	.00003	.00004	.00462	.00002	.00002
%RSD	45.292	144.58	169.93	221.05	7.2621	369.94	7.3597	8.7292	10.036
#1	-.00085	.00003	-.00262	.00004	.00036	.00002	.06601	-.00023	.00016
#2	-.00166	-.00254	.00024	-.00018	.00040	-.00004	.05948	-.00026	.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	**.00534**	**-.00037**	**.02155**	**-.07254**	**.02108**	**.00073**	**.00972**	**-.00010**	**.00011**
Stddev	.00037	.00005	.00056	.01574	.00009	.00011	.00482	.00002	.00003
%RSD	6.9470	12.271	2.5924	21.698	.44634	15.088	49.663	16.567	30.752
#1	.00560	-.00034	.02195	-.08367	.02101	.00065	.00630	-.00011	.00014
#2	.00508	-.00040	.02116	-.06141	.02115	.00080	.01313	-.00009	.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	**.47717**	**.00041**	**.00055**	**.2356**	**-.00083**	**-.00030**	**-.00293**	**-.00015**	**.00031**
Stddev	.00766	.00007	.00009	.0058	.00100	.00127	.00239	.00047	.00004
%RSD	1.6062	17.683	15.906	2.470	121.00	425.70	81.419	319.31	12.754
#1	.47175	.00036	.00049	.2397	-.00012	.00060	-.00462	.00019	.00028
#2	.48258	.00046	.00062	.2315	-.00154	-.00120	-.00124	-.00048	.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	Ti3349	Tl1908	V_2924	Zn2062
Line	334.904 {101}	190.856 {477}	292.402 {115}	206.200 {163}
IS Ref	(Y_3600)	(In2306)	(Y_3600)	(Y_3600)
Units	ppm	ppm	ppm	ppm
Avg	**.00069**	**.00215**	**.00017**	**.00351**
Stddev	.00001	.00166	.00026	.00002
%RSD	.98352	77.027	152.26	.59104
#1	.00070	.00333	.00036	.00352
#2	.00069	.00098	-.00001	.00349
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				
Low Limit				

Int. Std.	In2306	Y_2243	Y_3600	Y_3774
Line	230.606 {446}	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**3580.7**	**5042.9**	**74291.**	**15318.**
Stddev	13.3	19.2	389.	52.
%RSD	.37231	.38134	.52422	.34132
#1	3590.1	5056.5	74566.	15355.
#2	3571.3	5029.3	74015.	15281.

Sample Name: no name bottle Acquired: 3/14/2014 14:26:58 Type: Unk
Method: ICAP1 New RLs at low cal point Mode: CONC Corr. Factor: 1.000000
User: AMH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	B_2089	Ba4554-2	Be3130	Ca3179	Cd2288	Co2286
Line	328.068 {103}	308.215 {109}	189.042 {478}	208.959 {461}	455.403 { 74}2	313.042 {108}	317.933 {106}	228.802 {447}	228.616 {447}
IS Ref	(Y_3600)	(Y_3774)	(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**	**-.00079**	**.00045**	**.00125**	**.00234**	**.00000**	**.17377**	**-.00005**	**-.00007**
Stddev	.00029	.00036	.00214	.00014	.00001	.00004	.00070	.00003	.00002
%RSD	43.149	45.244	479.62	10.920	.38561	3358.4	.40041	69.774	21.278
#1	-.00046	-.00054	.00196	.00134	.00234	-.00003	.17327	-.00002	-.00006
#2	-.00087	-.00105	-.00107	.00115	.00233	.00003	.17426	-.00007	-.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	**.01414**	**-.00024**	**.00585**	**-.05660**	**.03144**	**.00134**	**.03998**	**.00389**	**.00018**
Stddev	.00005	.00011	.00061	.00344	.00013	.00031	.00005	.00012	.00021
%RSD	.37442	44.177	10.478	6.0815	.42860	23.263	.12759	2.9750	117.27
#1	.01418	-.00032	.00541	-.05903	.03135	.00112	.03995	.00397	.00032
#2	.01410	-.00017	.00628	-.05416	.03154	.00156	.04002	.00381	.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	**1.7559**	**.00003**	**.00043**	**.8142**	**-.00086**	**-.00019**	**.02479**	**.00025**	**.00103**
Stddev	.0003	.00004	.00029	.0008	.00092	.00476	.00975	.00046	.00008
%RSD	.01616	155.93	66.356	.0993	107.18	2474.0	39.335	183.96	8.1483
#1	1.7557	.00006	.00063	.8136	-.00151	.00318	.01790	-.00007	.00097
#2	1.7561	-.00000	.00023	.8147	-.00021	-.00356	.03169	.00057	.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	Ti3349	Tl1908	V_2924	Zn2062
Line	334.904 {101}	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**	**.00039**	**.00010**	**.00310**
Stddev	.00006	.00024	.00002	.00044
%RSD	8.1952	62.352	24.721	14.286
#1	.00083	.00056	.00012	.00279
#2	.00074	.00022	.00008	.00341
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				
Low Limit				

Int. Std.	In2306	Y_2243	Y_3600	Y_3774
Line	230.606 {446}	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**3509.5**	**4891.8**	**73217.**	**15098.**
Stddev	7.4	14.5	197.	35.
%RSD	.20964	.29644	.26946	.23436
#1	3514.7	4902.1	73357.	15123.
#2	3504.3	4881.5	73078.	15073.

Sample Name: 480-55333-A-1-A@5 Acquired: 3/14/2014 14:29:46 Type: Unk
Method: ICAP1 New RLs at low cal point Mode: CONC Corr. Factor: 1.000000
User: AMH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	B_2089	Ba4554-2	Be3130	Ca3179	Cd2288	Co2286
Line	328.068 {103}	308.215 {109}	189.042 {478}	208.959 {461}	455.403 { 74}2	313.042 {108}	317.933 {106}	228.802 {447}	228.616 {447}
IS Ref	(Y_3600)	(Y_3774)	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3774)	(Y_3774)	(Y_2243)	(In2306)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00217**	**3.5892**	**.02328**	**.14897**	**.14921**	**.00007**	**73.538**	**.00420**	**.19623**
Stddev	.00001	.0489	.00371	.00424	.00153	.00007	.856	.00004	.00619
%RSD	.31930	1.3623	15.925	2.8491	1.0234	109.11	1.1642	.93190	3.1569
#1	-.00216	3.5547	.02065	.14597	.14813	.00012	72.933	.00417	.19185
#2	-.00217	3.6238	.02590	.15198	.15029	.00002	74.143	.00422	.20061
Check ?	Chk 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	**3.2060**	**.55081**	**429.78**	**4.9193**	**7.0240**	**.00933**	**8.9412**	**3.3603**	**.01701**
Stddev	.0422	.00348	4.79	.0714	.1004	.00079	.0985	.0435	.00082
%RSD	1.3158	.63148	1.1146	1.4518	1.4297	8.4971	1.1013	1.2932	4.8146
#1	3.1762	.54835	426.39	4.8688	6.9530	.00989	8.8716	3.3296	.01643
#2	3.2358	.55327	433.16	4.9698	7.0950	.00877	9.0108	3.3910	.01759
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Na8183	Ni2316	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899	Sr4077
Line	818.326 { 41}	231.604 {446}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}2	189.989 {477}	407.771 { 83}
IS Ref	(Y_3774)	(In2306)	(In2306)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3774)	(In2306)	(Y_3774)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**74.724**	**.18159**	**12.997**	F **47.61**	**.21658**	**.00277**	**1.7045**	**.06076**	**.12252**
Stddev	.993	.00396	.368	1.31	.00513	.00424	.0254	.00230	.00181
%RSD	1.3290	2.1803	2.8306	2.757	2.3676	153.43	1.4902	3.7808	1.4788
#1	74.021	.17879	12.737	46.69	.21295	.00577	1.6865	.05914	.12124
#2	75.426	.18439	13.257	48.54	.22020	-.00023	1.7224	.06239	.12381
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				9.000					
Low Limit				-.2000					

Elem	Ti3349	Tl1908	V_2924	Zn2062
Line	334.904 {101}	190.856 {477}	292.402 {115}	206.200 {163}
IS Ref	(Y_3600)	(In2306)	(Y_3600)	(Y_3600)
Units	ppm	ppm	ppm	ppm
Avg	**1.4628**	**-.00489**	**.02373**	**2.8629**
Stddev	.0155	.00165	.00061	.0309
%RSD	1.0576	33.739	2.5874	1.0805
#1	1.4518	-.00372	.02330	2.8410
#2	1.4737	-.00606	.02416	2.8847
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				
Low Limit				

Int. Std.	In2306	Y_2243	Y_3600	Y_3774
Line	230.606 {446}	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**2643.7**	**4146.3**	**61774.**	**13658.**
Stddev	2.4	5.0	257.	53.
%RSD	.09256	.12086	.41559	.38975
#1	2645.4	4142.8	61592.	13620.
#2	2641.9	4149.9	61955.	13695.

Sample Name: RB Acquired: 3/14/2014 14:32:35 Type: Unk
Method: ICAP1 New RLs at low cal point Mode: CONC Corr. Factor: 1.000000
User: AMH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	B_2089	Ba4554-2	Be3130	Ca3179	Cd2288	Co2286
Line	328.068 {103}	308.215 {109}	189.042 {478}	208.959 {461}	455.403 { 74}2	313.042 {108}	317.933 {106}	228.802 {447}	228.616 {447}
IS Ref	(Y_3600)	(Y_3774)	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3774)	(Y_3774)	(Y_2243)	(In2306)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00510**	**.19989**	**.01467**	**.01907**	**.00228**	**.00205**	**.49429**	**.00191**	**.00385**
Stddev	.00048	.00265	.00084	.00021	.00001	.00002	.00300	.00001	.00000
%RSD	9.3291	1.3268	5.7219	1.0881	.25209	.77257	.60778	.37501	.00527
#1	.00544	.20177	.01526	.01921	.00228	.00206	.49216	.00192	.00385
#2	.00476	.19802	.01407	.01892	.00228	.00204	.49641	.00191	.00385
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Cr2677	Cu3247	Fe2599	K_7664	K_7664-2	Li6707	Mg2790	Mn2576	Mo2020
Line	267.716 {126}	324.754 {104}	259.940 {130}	766.490 { 44}	766.490 { 44}2	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}
IS Ref	(Y_3600)	(Y_3600)	(Y_3774)	(Y_3774)	(Y_3774)	(Y_3774)	(Y_3600)	(Y_3600)	(Y_2243)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00387**	**.00913**	**.07829**	**.40758**	**.40951**	**.02966**	**.20608**	**.00356**	**.00989**
Stddev	.00037	.00020	.00231	.02800	.00325	.00010	.00056	.00013	.00010
%RSD	9.4745	2.2425	2.9536	6.8693	.79453	.34105	.27256	3.6500	.99676
#1	.00413	.00898	.07993	.42738	.40721	.02959	.20647	.00365	.00996
#2	.00361	.00927	.07666	.38778	.41181	.02974	.20568	.00346	.00982
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	**.94285**	**.01065**	**.01001**	**.2024**	**.01896**	**.02350**	**.48931**	**.01087**	**.00486**
Stddev	.00781	.00006	.00046	.0030	.00104	.00085	.00750	.00043	.00005
%RSD	.82857	.59369	4.5886	1.466	5.4986	3.6239	1.5331	3.9790	.97208
#1	.93732	.01060	.00969	.2044	.01970	.02290	.48400	.01057	.00483
#2	.94837	.01069	.01034	.2003	.01822	.02410	.49461	.01118	.00490
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	**.00568**	**.02028**	**.00481**	**.00994**
Stddev	.00010	.00024	.00021	.00055
%RSD	1.7611	1.2001	4.3957	5.5386
#1	.00561	.02046	.00466	.01033
#2	.00575	.02011	.00496	.00955
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				
Low Limit				

Int. Std.	In2306	Y_2243	Y_3600	Y_3774
Line	230.606 {446}	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**3398.5**	**4806.3**	**71355.**	**14379.**
Stddev	10.8	10.7	46.	60.
%RSD	.31888	.22345	.06468	.41664
#1	3406.2	4813.9	71323.	14421.
#2	3390.9	4798.7	71388.	14337.

Sample Name: CCV Acquired: 3/14/2014 14:35:22 Type: QC
Method: ICAP1 New RLs at low cal point Mode: CONC Corr. Factor: 1.000000
User: AMH 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	**.49131**	**24.912**	**.50387**	**.48788**	**.50387**	**.50920**	**24.437**	**.49196**	**.49610**	**.49838**	**.49667**	**25.065**
Stddev	.00037	.076	.00013	.00067	.00175	.00165	.010	.00036	.00009	.00293	.00020	.119
%RSD	.07513	.30475	.02528	.13724	.34680	.32352	.04177	.07346	.01804	.58836	.04060	.47498
#1	.49157	24.966	.50378	.48836	.50511	.50803	24.430	.49170	.49616	.50046	.49681	24.980
#2	.49105	24.859	.50396	.48741	.50264	.51036	24.444	.49221	.49603	.49631	.49653	25.149
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	**24.584**	**24.934**	**.50607**	**25.044**	**.50992**	**.49618**	**24.194**	**.50374**	**.49704**	**25.42**	**.50632**	**.49666**
Stddev	.063	.046	.00145	.015	.00042	.00119	.175	.00015	.00022	.01	.00140	.00288
%RSD	.25559	.18531	.28674	.06156	.08191	.24004	.72231	.02997	.04441	.0495	.27732	.58031
#1	24.629	24.966	.50710	25.033	.51022	.49534	24.317	.50363	.49720	25.43	.50532	.49463
#2	24.540	24.901	.50505	25.055	.50963	.49702	24.070	.50385	.49689	25.41	.50731	.49870
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	**24.191**	**.52473**	**.49482**	**.49147**	**.50221**	**.48339**	**.48963**
Stddev	.108	.00222	.00189	.00039	.00081	.00068	.00272
%RSD	.44468	.42351	.38195	.07890	.16096	.14065	.55488
#1	24.115	.52630	.49616	.49119	.50278	.48387	.49156
#2	24.267	.52316	.49348	.49174	.50164	.48291	.48771
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	**2985.6**	**4521.7**	**66543.**	**13951.**
Stddev	3.0	.0	125.	26.
%RSD	.09957	.00102	.18735	.18705
#1	2983.5	4521.7	66455.	13970.
#2	2987.7	4521.6	66631.	13933.

Sample Name: CCB Acquired: 3/14/2014 14:38:00 Type: QC
Method: ICAP1 New RLs at low cal point Mode: CONC Corr. Factor: 1.000000
User: AMH 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	**-.00070**	**-.00132**	**-.00059**	**.00067**	**.00014**	**.00001**	**.00091**	**.00004**	**-.00007**	**-.00018**	**-.00031**	**.00361**
Stddev	.00025	.01599	.00096	.00018	.00001	.00001	.00211	.00002	.00006	.00027	.00008	.00248
%RSD	36.206	1213.7	162.98	27.623	8.9290	74.089	232.39	55.979	89.815	149.35	26.119	68.780
#1	-.00052	-.01262	.00009	.00080	.00015	.00001	.00240	.00006	-.00011	-.00037	-.00025	.00536
#2	-.00088	.00999	-.00127	.00054	.00013	.00002	-.00058	.00002	-.00003	.00001	-.00037	.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
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	**-.04490**	**.00161**	**.00094**	**-.00658**	**.00001**	**.00040**	**-.00465**	**-.00029**	**-.00052**	F **.0049**	**-.00108**	**.00248**
Stddev	.01132	.00041	.00117	.00203	.00005	.00019	.00020	.00035	.00012	.0002	.00071	.00140
%RSD	25.212	25.502	124.09	30.806	364.76	48.381	4.3383	119.82	23.835	4.155	65.895	56.703
#1	-.03690	.00190	.00177	-.00515	.00004	.00026	-.00480	-.00054	-.00060	.0050	-.00058	.00347
#2	-.05291	.00132	.00012	-.00802	-.00002	.00054	-.00451	-.00004	-.00043	.0047	-.00158	.00148
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
High Limit										.0030		
Low Limit										-.0040		

Elem	Si2881	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.03033**	**.00049**	**.00007**	**.00023**	**.00204**	**.00012**	**-.00001**
Stddev	.01627	.00010	.00001	.00029	.00207	.00008	.00045
%RSD	53.635	21.524	12.029	128.14	101.73	66.772	8288.3
#1	.01883	.00056	.00007	.00044	.00057	.00006	.00031
#2	.04183	.00041	.00006	.00002	.00351	.00017	-.00032
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	**3310.4**	**4653.5**	**69110.**	**13975.**
Stddev	2.4	.4	189.	75.
%RSD	.07329	.00863	.27331	.53747
#1	3312.1	4653.2	68976.	14028.
#2	3308.7	4653.8	69244.	13922.

Sample Name: ccvl Acquired: 3/14/2014 14:40:48 Type: QC
Method: ICAP1 New RLs at low cal point Mode: CONC Corr. Factor: 1.000000
User: AMH 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	**.00500**	**.21099**	**.01463**	**.01981**	**.00231**	**.00207**	**.50068**	**.00185**	**.00386**	**.00404**	**.00961**	**.05306**
Stddev	.00076	.00967	.00139	.00035	.00000	.00002	.00165	.00001	.00011	.00047	.00007	.00304
%RSD	15.250	4.5829	9.4911	1.7902	.11735	.80165	.33029	.29521	2.9338	11.655	.75312	5.7369
#1	.00554	.20415	.01365	.02006	.00231	.00208	.50185	.00186	.00394	.00437	.00956	.05091
#2	.00446	.21782	.01561	.01956	.00231	.00206	.49952	.00185	.00378	.00370	.00966	.05521
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	**.41109**	**.41386**	**.03099**	**.20303**	**.00344**	**.00989**	**.95525**	**.01083**	**.00961**	**.2004**	**.01779**	**.02608**
Stddev	.00058	.00395	.00001	.00526	.00002	.00006	.00144	.00043	.00157	.0029	.00028	.00206
%RSD	.14019	.95376	.02731	2.5911	.43936	.56605	.15034	3.9543	16.378	1.454	1.5923	7.8892
#1	.41150	.41665	.03100	.19931	.00345	.00985	.95627	.01113	.01072	.2025	.01799	.02753
#2	.41069	.41106	.03099	.20674	.00343	.00993	.95424	.01052	.00850	.1983	.01759	.02462
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	**.47891**	**.01079**	**.00485**	**.00494**	**.01996**	**.00493**	**.00985**
Stddev	.01089	.00057	.00009	.00006	.00148	.00014	.00016
%RSD	2.2749	5.2816	1.8125	1.1866	7.4089	2.8552	1.6175
#1	.47121	.01119	.00491	.00499	.02100	.00503	.00996
#2	.48662	.01039	.00479	.00490	.01891	.00483	.00973
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	**3395.8**	**4796.3**	**70730.**	**14391.**
Stddev	2.3	2.3	124.	65.
%RSD	.06828	.04821	.17599	.45124
#1	3397.4	4797.9	70642.	14345.
#2	3394.2	4794.7	70818.	14436.

Sample Name: CCV Acquired: 3/14/2014 14:43:35 Type: QC
Method: ICAP1 New RLs at low cal point Mode: CONC Corr. Factor: 1.000000
User: AMH 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	**.49627**	**25.294**	**.50867**	**.48856**	**.50671**	**.50903**	**24.714**	**.48892**	**.49546**	**.50907**	**.50451**	**25.113**
Stddev	.00035	.027	.00216	.00066	.00162	.00018	.039	.00073	.00018	.00175	.00287	.016
%RSD	.07008	.10600	.42532	.13421	.31969	.03510	.15932	.14977	.03619	.34395	.56975	.06331
#1	.49652	25.275	.51020	.48809	.50556	.50890	24.687	.48944	.49559	.50783	.50248	25.102
#2	.49602	25.313	.50714	.48902	.50785	.50915	24.742	.48840	.49534	.51031	.50655	25.125
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	**24.897**	**25.666**	**.51454**	**25.196**	**.51353**	**.49386**	**24.428**	**.50464**	**.49880**	**25.50**	**.50774**	**.49504**
Stddev	.083	.036	.00162	.005	.00088	.00042	.076	.00033	.00011	.08	.00237	.00130
%RSD	.33511	.14182	.31546	.01994	.17083	.08527	.31193	.06610	.02247	.2978	.46772	.26326
#1	24.838	25.641	.51340	25.200	.51291	.49416	24.374	.50487	.49888	25.45	.50606	.49596
#2	24.956	25.692	.51569	25.193	.51415	.49357	24.482	.50440	.49872	25.55	.50942	.49412
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	**24.548**	**.52885**	**.50264**	**.48946**	**.49907**	**.48928**	**.49113**
Stddev	.217	.00167	.00179	.00001	.00241	.00252	.00642
%RSD	.88206	.31567	.35696	.00171	.48340	.51453	1.3069
#1	24.394	.52767	.50137	.48946	.49737	.48750	.48659
#2	24.701	.53003	.50390	.48947	.50078	.49106	.49566
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	**2975.8**	**4511.2**	**65745.**	**13814.**
Stddev	2.8	1.3	176.	2.
%RSD	.09317	.02920	.26760	.01294
#1	2977.8	4510.2	65869.	13813.
#2	2973.9	4512.1	65620.	13815.

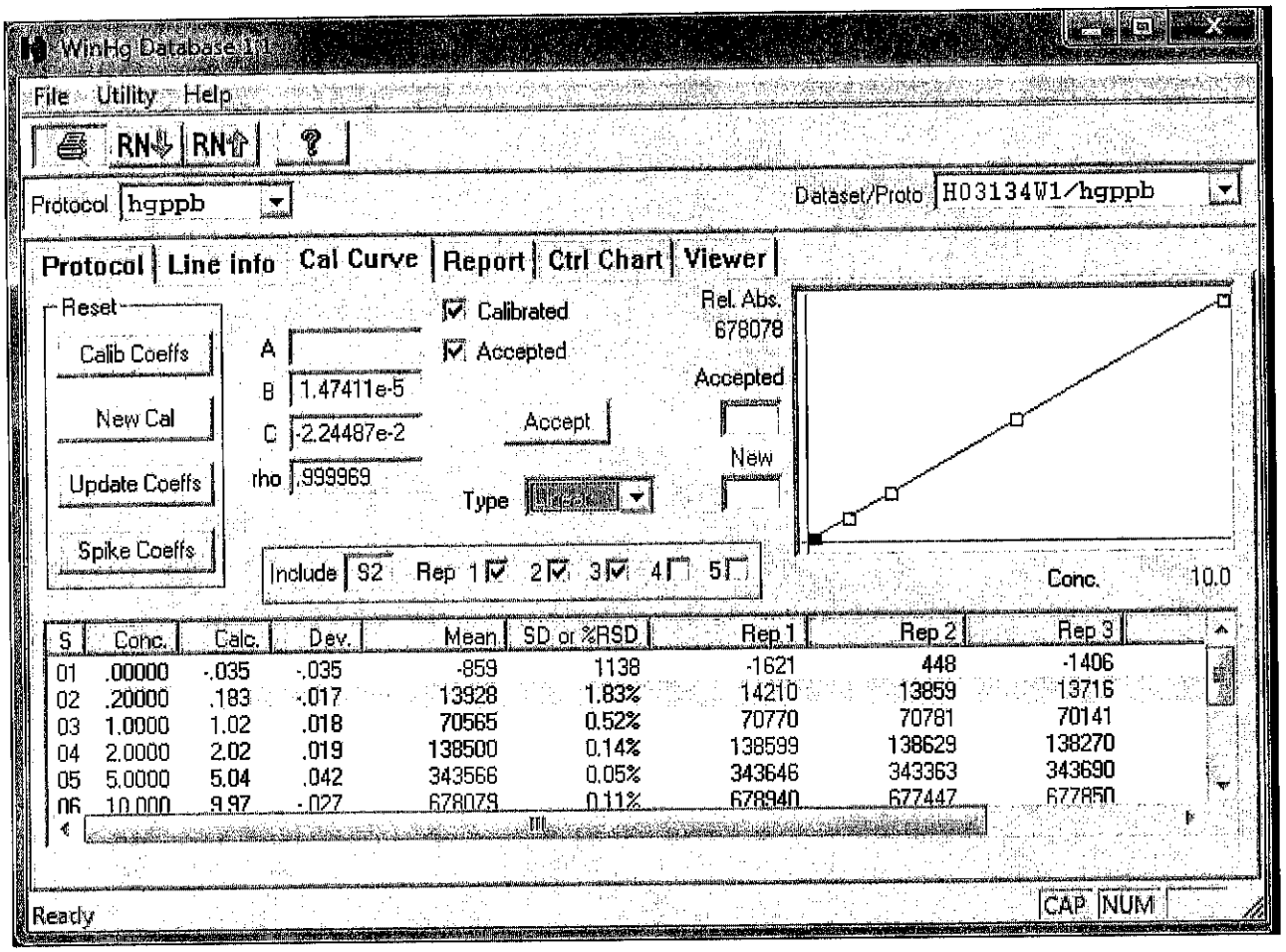
Sample Name: CCB Acquired: 3/14/2014 14:46:13 Type: QC
Method: ICAP1 New RLs at low cal point Mode: CONC Corr. Factor: 1.000000
User: AMH Custom ID1: Custom ID2: Custom ID3:
Comment:

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	**-.00114**	**.00744**	**.00019**	**.00068**	**.00013**	**-.00004**	**.00188**	**.00002**	**.00005**	**.00013**	**-.00050**	**.00402**
Stddev	.00022	.00530	.00058	.00027	.00001	.00001	.00103	.00008	.00002	.00003	.00016	.00017
%RSD	19.255	71.240	308.72	39.187	9.8628	39.368	54.476	391.57	36.413	26.180	31.456	4.1481
#1	-.00129	.01119	.00060	.00049	.00012	-.00003	.00261	-.00004	.00007	.00011	-.00061	.00390
#2	-.00098	.00369	-.00022	.00086	.00014	-.00005	.00116	.00008	.00004	.00016	-.00039	.00413
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	**-.07510**	**.00201**	**.00038**	**-.00107**	**.00005**	**.00028**	**-.01522**	**-.00016**	**.00028**	**.0017**	**-.00059**	**-.00040**
Stddev	.00598	.00008	.00038	.00243	.00005	.00005	.00333	.00006	.00010	.0011	.00010	.00129
%RSD	7.9665	3.9465	99.990	227.77	106.91	19.184	21.909	39.538	35.566	66.18	16.676	324.14
#1	-.07933	.00195	.00011	.00065	.00001	.00024	-.01286	-.00020	.00035	.0009	-.00052	.00052
#2	-.07087	.00207	.00065	-.00279	.00009	.00032	-.01757	-.00011	.00021	.0025	-.00066	-.00131
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	Si2881	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.02773**	**.00040**	**.00010**	**.00062**	**.00041**	**.00006**	**-.00016**
Stddev	.00954	.00001	.00003	.00019	.00195	.00023	.00013
%RSD	34.390	2.9859	26.957	29.801	476.18	379.74	78.191
#1	.02099	.00039	.00008	.00049	-.00097	-.00010	-.00025
#2	.03448	.00041	.00012	.00075	.00179	.00022	-.00007
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	**3307.9**	**4669.6**	**69405.**	**14082.**
Stddev	4.0	5.8	100.	56.
%RSD	.11963	.12341	.14380	.39856
#1	3305.1	4665.6	69476.	14042.
#2	3310.7	4673.7	69335.	14122.



L2

3/13/14

169892

Calf. H03134 C1

Run: H03134 W1

Batches: 169710
169814

Line	Conc.	Units	SD/RSD	1	2	3	4	5

169892

*** Check Standard: 2 Ck2ICV Seq: 1 13:09:26 13 Mar 14 HG

Line	Flag	%Rcv.	Found	True	Units	SD/RSD
Hg		104.	3.12	3.00	ppb	.000

*** Check Standard: 1 Ck1CCB Seq: 2 13:11:11 13 Mar 14 HG

Line	Flag	Found	Range(+/-)	Units	SD/RSD
Hg		-.018	.200	ppb	.000

*** Check Standard: 4 Ck4CCVL Seq: 3 13:12:58 13 Mar 14 HG

Line	Flag	%Rcv.	Found	True	Units	SD/RSD
Hg		103.	.206	.200	ppb	.000

*** Check Standard: 3 Ck3CCV Seq: 4 13:14:33 13 Mar 14 HG

Line	Flag	%Rcv.	Found	True	Units	SD/RSD
Hg		106.	2.12	2.00	ppb	.000

*** Check Standard: 1 Ck1CCB Seq: 5 13:16:11 13 Mar 14 HG

Line	Flag	Found	Range(+/-)	Units	SD/RSD
Hg		-.016	.200	ppb	.000

*** Sample ID: mb 480-169716/1-a Seq: 6 13:17:50 13 Mar 14 HG

Hg	-.008	ppb	.000	-.008

*** Sample ID: lcs 480-169716/2-a Seq: 7 13:19:46 13 Mar 14 HG

Hg	4.00	ppb	.000	4.00

*** Sample ID: 480-55827-a-1-a Seq: 8 13:21:22 13 Mar 14 HG

Hg	.008	ppb	.000	.008

*** Sample ID: 480-55750-l-2-a Seq: 9 13:23:07 13 Mar 14 HG

Hg	-.003	ppb	.000	-.003

*** Sample ID: 480-55750-l-3-a Seq: 10 13:24:54 13 Mar 14 HG

Hg	-.007	ppb	.000	-.007

*** Sample ID: 480-55849-a-1-a Seq: 11 13:26:39 13 Mar 14 HG

Hg	.058	ppb	.000	.058

*** Sample ID: 480-55840-h-1-a Seq: 12 13:28:17 13 Mar 14 HG

Hg	-.009	ppb	.000	-.009

*** Sample ID: 480-55771-e-4-b Seq: 13 13:29:52 13 Mar 14 HG

Hg	-.011	ppb	.000	-.011

*** Sample ID: 480-55796-k-1-b Seq: 14 13:31:38 13 Mar 14 HG

Hg	-.005	ppb	.000	-.005

*** Sample ID: 480-55796-k-2-b Seq: 15 13:33:15 13 Mar 14 HG

Hg	-.010	ppb	.000	-.010

Line	Conc.	Units	SD/RSD	1	2	3	4	5

*** Check Standard: 3 Ck3CCV Seq: 16 13:35:01 13 Mar 14 HG

Line	Flag	%Rcv.	Found	True	Units	SD/RSD
Hg		107.	2.13	2.00	ppb	.000

*** Check Standard: 1 Ck1CCB Seq: 17 13:36:37 13 Mar 14 HG

Line	Flag	Found	Range(+/-)	Units	SD/RSD
Hg		-.018	.200	ppb	.000

*** Sample ID: Seq: 18 13:38:23 13 Mar 14 HG
480-55796-k-3-b

Hg	-.009	ppb	.000	-.009	

*** Sample ID: Seq: 19 13:39:59 13 Mar 14 HG
480-55824-l-1-b

Hg	-.008	ppb	.000	-.008	

*** Sample ID: Seq: 20 13:41:45 13 Mar 14 HG
480-55824-l-2-b

Hg	-.003	ppb	.000	-.003	

*** Sample ID: Seq: 21 13:43:22 13 Mar 14 HG
480-55824-l-3-b

Hg	-.009	ppb	.000	-.009	

*** Sample ID: Seq: 22 13:45:18 13 Mar 14 HG
480-55824-l-4-d

Hg	-.012	ppb	.000	-.012	

*** Sample ID: Seq: 23 13:46:54 13 Mar 14 HG
480-55824-l-4-dSD@5

Hg	-.005	ppb	.000	-.005	

*** Sample ID: Seq: 24 13:48:51 13 Mar 14 HG
480-55824-l-4-e ms

Hg	4.05	ppb	.000	4.05	

*** Sample ID: Seq: 25 13:50:26 13 Mar 14 HG
480-55824-l-4-f msd

Hg	4.15	ppb	.000	4.15	

*** Sample ID: Seq: 26 13:52:02 13 Mar 14 HG
480-55824-l-5-b

Hg	-.030	ppb	.000	-.030	

*** Sample ID: Seq: 27 13:53:41 13 Mar 14 HG
480-55783-i-1-b

Hg	.498	ppb	.000	.498	

*** Check Standard: 3 Ck3CCV Seq: 28 13:55:18 13 Mar 14 HG

Line	Flag	%Rcv.	Found	True	Units	SD/RSD
Hg		108.	2.15	2.00	ppb	.000

*** Check Standard: 1 Ck1CCB Seq: 29 13:56:54 13 Mar 14 HG

Line	Flag	Found	Range(+/-)	Units	SD/RSD
Hg		-.019	.200	ppb	.000

*** Sample ID: Seq: 30 13:58:31 13 Mar 14 HG
480-55783-i-2-b

Hg	.058	ppb	.000	.058	

Line	Conc.	Units	SD/RSD	1	2	3	4	5	
*** Sample ID:					Seq: 31		14:00:19 13 Mar 14		HG
					480-55780-d-1-b				
Hg	-.005	ppb		.000	-.005				
*** Sample ID:					Seq: 32		14:01:54 13 Mar 14		HG
					480-55780-d-2-b				
Hg	-.007	ppb		.000	-.007				
*** Sample ID:					Seq: 33		14:03:34 13 Mar 14		HG
					480-55767-a-2-b				
Hg	-.001	ppb		.000	-.001				
*** Sample ID:					Seq: 34		14:05:12 13 Mar 14		HG
					480-55859-h-1-a				
Hg	.017	ppb		.000	.017				
*** Sample ID:					Seq: 35		14:07:17 13 Mar 14		HG
					mb 480-169814/1-a				
Hg	-.005	ppb		.000	-.005				
*** Sample ID:					Seq: 36		14:08:54 13 Mar 14		HG
					lcs 480-169814/2-a				
Hg	3.65	ppb		.000	3.65				
*** Sample ID:					Seq: 37		14:10:31 13 Mar 14		HG
					480-55870-d-1-a				
Hg	.653	ppb		.000	.653				
*** Sample ID:					Seq: 38		14:12:19 13 Mar 14		HG
					480-55870-b-2-a				
Hg	.235	ppb		.000	.235				
*** Sample ID:					Seq: 39		14:14:11 13 Mar 14		HG
					480-55866-e-2-a				
Hg	-.005	ppb		.000	-.005				

*** Check Standard: 3 Ck3CCV Seq: 40 14:15:56 13 Mar 14 HG

Line	Flag	%Rcv.	Found	True	Units	SD/RSD
Hg		108.	2.15	2.00	ppb	.000

*** Check Standard: 1 Ck1CCB Seq: 41 14:17:32 13 Mar 14 HG

Line	Flag	Found	Range(+/-)	Units	SD/RSD
Hg		-.012	.200	ppb	.000

*** Sample ID:					Seq: 42		14:19:08 13 Mar 14		HG
					480-55866-e-3-a				
Hg	-.004	ppb		.000	-.004				
*** Sample ID:					Seq: 43		14:20:45 13 Mar 14		HG
					480-55866-e-4-a				
Hg	-.006	ppb		.000	-.006				
*** Sample ID:					Seq: 44		14:22:22 13 Mar 14		HG
					480-55866-e-4-aSD@5				
Hg	-.002	ppb		.000	-.002				
*** Sample ID:					Seq: 45		14:24:09 13 Mar 14		HG
					480-55866-e-4-b ms				
Hg	3.44	ppb		.000	3.44				

Line	Conc.	Units	SD/RSD	1	2	3	4	5

*** Sample ID: Seq: 46 14:25:44 13 Mar 14 HG
480-55866-e-4-c msd
Hg 3.44 ppb .000 3.44

*** Sample ID: Seq: 47 14:27:19 13 Mar 14 HG
480-55866-e-5-a
Hg -.017 ppb .000 -.017

*** Sample ID: Seq: 48 14:28:56 13 Mar 14 HG
480-55866-e-6-a
Hg -.001 ppb .000 -.001

*** Sample ID: Seq: 49 14:30:42 13 Mar 14 HG
480-55866-e-7-a
Hg .001 ppb .000 .001

*** Sample ID: Seq: 50 14:32:58 13 Mar 14 HG
480-55866-e-8-a
Hg -.003 ppb .000 -.003

*** Sample ID: Seq: 51 14:34:48 13 Mar 14 HG
480-55866-e-9-a
Hg -.002 ppb .000 -.002

*** Check Standard: 3 Ck3CCV Seq: 52 14:36:29 13 Mar 14 HG

Line	Flag	%Rcv.	Found	True	Units	SD/RSD
Hg		107.	2.14	2.00	ppb	.000

*** Check Standard: 1 Ck1CCB Seq: 53 14:38:04 13 Mar 14 HG

Line	Flag	Found	Range(+/-)	Units	SD/RSD
Hg		-.015	.200	ppb	.000

*** Sample ID: Seq: 54 14:39:41 13 Mar 14 HG
480-55866-e-10-a
Hg -.009 ppb .000 -.009

*** Sample ID: Seq: 55 14:41:19 13 Mar 14 HG
480-55878-m-1-a
Hg -.008 ppb .000 -.008

*** Sample ID: Seq: 56 14:42:56 13 Mar 14 HG
480-55878-m-2-a
Hg -.006 ppb .000 -.006

*** Sample ID: Seq: 57 14:44:46 13 Mar 14 HG
480-55878-m-3-a
Hg -.008 ppb .000 -.008

*** Check Standard: 4 Ck4CCVL Seq: 60 14:49:34 13 Mar 14 HG

Line	Flag	%Rcv.	Found	True	Units	SD/RSD
Hg		103.	.206	.200	ppb	.000

*** Check Standard: 3 Ck3CCV Seq: 61 14:51:10 13 Mar 14 HG

Line	Flag	%Rcv.	Found	True	Units	SD/RSD
Hg		106.	2.12	2.00	ppb	.000

*** Check Standard: 1 Ck1CCB Seq: 62 14:53:35 13 Mar 14 HG

Line	Flag	Found	Range(+/-)	Units	SD/RSD
Hg		-.010	.200	ppb	.000

Line	Conc.	Units	SD/RSD	1	2	3	4	5	
*** Sample ID:					Seq: 63		14:55:31 13 Mar 14		HG
					480-55880-i-1-a				
Hg	-.010	ppb	.000	-.010					
*** Sample ID:					Seq: 64		14:57:27 13 Mar 14		HG
					480-55880-i-2-a				
Hg	.266	ppb	.000	.266					
*** Sample ID:					Seq: 65		14:59:03 13 Mar 14		HG
					480-55880-i-3-a				
Hg	.120	ppb	.000	.120					
*** Sample ID:					Seq: 66		15:00:38 13 Mar 14		HG
					480-55889-a-1-a				
RR 1:10 Hg	20.6	H ppb	.000	20.6					
*** Sample ID:					Seq: 67		15:02:17 13 Mar 14		HG
					480-55889-a-2-a				
Hg	.060	ppb	.000	.060					
*** Sample ID:					Seq: 68		15:03:55 13 Mar 14		HG
					480-55889-a-3-a				
RR 1:10 Hg	24.2	H ppb	.000	24.2					
*** Sample ID:					Seq: 69		15:11:01 13 Mar 14		HG
					480-55889-a-1-a@10				
Hg	3.41	ppb	.000	3.41					
*** Sample ID:					Seq: 70		15:12:40 13 Mar 14		HG
					480-55889-a-3-a@10				
Hg	2.51	ppb	.000	2.51					

*** Check Standard: 4 Ck4CCVL Seq: 71 15:14:58 13 Mar 14 HG

Line	Flag	%Rcv.	Found	True	Units	SD/RSD
Hg		105.	.209	.200	ppb	.000

*** Check Standard: 3 Ck3CCV Seq: 72 15:16:35 13 Mar 14 HG

Line	Flag	%Rcv.	Found	True	Units	SD/RSD
Hg		107.	2.13	2.00	ppb	.000

*** Check Standard: 1 Ck1CCB Seq: 73 15:18:11 13 Mar 14 HG

Line	Flag	Found	Range(+/-)	Units	SD/RSD
Hg		-.018	.200	ppb	.000

METALS BATCH WORKSHEET

Lab Name: TestAmerica Buffalo Job No.: 480-55783-1

SDG No.:

Batch Number: 169698 Batch Start Date: 03/12/14 09:30 Batch Analyst: Donowick, Edward H

Batch Method: 3005A Batch End Date:

Lab Sample ID	Client Sample ID	Method Chain	Basis	InitialAmount	FinalAmount	MED_01_Si 00047	MED_01_W1 00017	MED_02_W2 00016	MED_03_Ag 00050
MB 480-169698/1		3005A, 6010C		50 mL	50 mL				
LCS 480-169698/2		3005A, 6010C		50 mL	50 mL	0.25 mL	0.25 mL	0.25 mL	0.25 mL
480-55783-I-1	MW-P	3005A, 6010C	T	50 mL	50 mL				
480-55783-I-2	MW-3	3005A, 6010C	T	50 mL	50 mL				

Lab Sample ID	Client Sample ID	Method Chain	Basis	MED_04_Sn 00041	MED_05_S 00007				
MB 480-169698/1		3005A, 6010C							
LCS 480-169698/2		3005A, 6010C		0.25 mL	0.25 mL				
480-55783-I-1	MW-P	3005A, 6010C	T						
480-55783-I-2	MW-3	3005A, 6010C	T						

Batch Notes	
First End time	1300
Hydrochloric Acid Reagent ID Number	0000056535
Nitric Acid Reagent ID Number	0000066234
Hood ID or number	C
Oven, Bath or Block Temperature 1	93.3 Degrees C
Oven, Bath or Block Temperature 2	94.3 Degrees C
Pipette ID	MDL-3
First Start time	0930
ID number of the thermometer	130570431
Digestion Tube/Cup Lot #	1309271
Uncorrected Temperature	93.4 Degrees C
Uncorrected Temperature 2	94.4 Degrees C

Basis	Basis Description
T	Total/NA

The pound sign (#) in the amount added field denotes that the reagent was used undiluted. All calculations are performed using the stated concentration for this reagent.

METALS BATCH WORKSHEET

Lab Name: TestAmerica Buffalo Job No.: 480-55783-1

SDG No.:

Batch Number: 170056 Batch Start Date: 03/14/14 09:15 Batch Analyst: Donowick, Edward H

Batch Method: 3005A Batch End Date:

Lab Sample ID	Client Sample ID	Method Chain	Basis	InitialAmount	FinalAmount	MED_01_Si 00047	MED_01_W1 00018	MED_02_W2 00016	MED_03_Ag 00050
MB 480-170056/1		3005A, 6010C		50 mL	50 mL				
LCS 480-170056/2		3005A, 6010C		50 mL	50 mL	0.25 mL	0.25 mL	0.25 mL	0.25 mL
480-55880-I-1	MW-1	3005A, 6010C	T	50 mL	50 mL				
480-55880-I-2	MW-4	3005A, 6010C	T	50 mL	50 mL				
480-55880-I-3	MW-5	3005A, 6010C	T	50 mL	50 mL				

Lab Sample ID	Client Sample ID	Method Chain	Basis	MED_04_Sn 00041	MED_05_S 00007				
MB 480-170056/1		3005A, 6010C							
LCS 480-170056/2		3005A, 6010C		0.25 mL	0.25 mL				
480-55880-I-1	MW-1	3005A, 6010C	T						
480-55880-I-2	MW-4	3005A, 6010C	T						
480-55880-I-3	MW-5	3005A, 6010C	T						

Batch Notes	
First End time	1245
Hydrochloric Acid Reagent ID Number	0000056535
Nitric Acid Reagent ID Number	0000066234
Hood ID or number	C
Oven, Bath or Block Temperature 1	95.9 Degrees C
Oven, Bath or Block Temperature 2	93.0 Degrees C
Pipette ID	MDL-3
First Start time	0915
ID number of the thermometer	130570431
Digestion Tube/Cup Lot #	1309271
Uncorrected Temperature	96.0 Degrees C
Uncorrected Temperature 2	93.1 Degrees C

Basis	Basis Description
T	Total/NA

The pound sign (#) in the amount added field denotes that the reagent was used undiluted. All calculations are performed using the stated concentration for this reagent.

METALS BATCH WORKSHEET

Lab Name: TestAmerica Buffalo Job No.: 480-55783-1

SDG No.:

Batch Number: 169716 Batch Start Date: 03/13/14 08:30 Batch Analyst: Kacalski, Jason R

Batch Method: 7470A Batch End Date: 03/13/14 10:30

Lab Sample ID	Client Sample ID	Method Chain	Basis	InitialAmount	FinalAmount	MEH_HG2_WKG 00590			
MB 480-169716/1		7470A, 7470A		30 mL	50 mL				
LCS 480-169716/2		7470A, 7470A		30 mL	50 mL	2 mL			
480-55783-I-1	MW-P	7470A, 7470A	T	30 mL	50 mL				
480-55783-I-2	MW-3	7470A, 7470A	T	30 mL	50 mL				

Batch Notes	
Hydroxylamine Hydrochloride Lot	1906895
Batch Comment	Cal Batch: 169892
Sulfuric Acid Lot Number	1760785
Lot # of Nitric Acid	1691886
Hot Block ID number	HG-A
Potassium Persulfate Lot Number	1869427
Potassium Permanganate Lot Number	1851531
Oven, Bath or Block Temperature 1	95.0 Celsius
Pipette ID	HGL-5
Stannous Chloride Lot Number	1880440
ID number of the thermometer	S/N 52507
Digestion Tube/Cup Lot #	1306159
Uncorrected Temperature	94.0 Celsius

Basis	Basis Description
T	Total/NA

The pound sign (#) in the amount added field denotes that the reagent was used undiluted. All calculations are performed using the stated concentration for this reagent.

METALS BATCH WORKSHEET

Lab Name: TestAmerica Buffalo Job No.: 480-55783-1

SDG No.:

Batch Number: 169814 Batch Start Date: 03/13/14 08:30 Batch Analyst: Kacalski, Jason R

Batch Method: 7470A Batch End Date: 03/13/14 10:30

Lab Sample ID	Client Sample ID	Method Chain	Basis	InitialAmount	FinalAmount	MEH_HG2_WKG 00591			
MB 480-169814/1		7470A, 7470A		30 mL	50 mL				
LCS 480-169814/2		7470A, 7470A		30 mL	50 mL	2 mL			
480-55880-I-1	MW-1	7470A, 7470A	T	30 mL	50 mL				
480-55880-I-2	MW-4	7470A, 7470A	T	30 mL	50 mL				
480-55880-I-3	MW-5	7470A, 7470A	T	30 mL	50 mL				

Batch Notes	
Hydroxylamine Hydrochloride Lot	1906895
Batch Comment	Cal Batch: 169892
Sulfuric Acid Lot Number	1760785
Lot # of Nitric Acid	1691886
Hot Block ID number	HG-A
Potassium Persulfate Lot Number	1869427
Potassium Permanganate Lot Number	1851531
Oven, Bath or Block Temperature 1	95.0 Celsius
Pipette ID	HGL-5
Stannous Chloride Lot Number	1880440
ID number of the thermometer	S/N 52507
Digestion Tube/Cup Lot #	1306159
Uncorrected Temperature	94.0 Celsius

Basis	Basis Description
T	Total/NA

The pound sign (#) in the amount added field denotes that the reagent was used undiluted. All calculations are performed using the stated concentration for this reagent.

GENERAL CHEMISTRY

COVER PAGE
GENERAL CHEMISTRY

Lab Name: TestAmerica Buffalo Job Number: 480-55783-1

SDG No.:

Project: Mt Kisco

Client Sample ID	Lab Sample ID
MW-P	480-55783-1
MW-3	480-55783-2
MW-1	480-55880-1
MW-4	480-55880-2
MW-5	480-55880-3

Comments:

1B-IN
INORGANIC ANALYSIS DATA SHEET
GENERAL CHEMISTRY

Client Sample ID: MW-P
Lab Sample ID: 480-55783-1
Lab Name: TestAmerica Buffalo
Job No.: 480-55783-1
SDG ID.:
Matrix: Water
Date Sampled: 03/10/2014 14:05
Reporting Basis: WET
Date Received: 03/11/2014 10:58

CAS No.	Analyte	Result	RL	MDL	Units	C	Q	DIL	Method
57-12-5	Cyanide, Total	ND	0.010	0.0050	mg/L			1	335.4

1B-IN
INORGANIC ANALYSIS DATA SHEET
GENERAL CHEMISTRY

Client Sample ID: MW-3 Lab Sample ID: 480-55783-2

Lab Name: TestAmerica Buffalo Job No.: 480-55783-1

SDG ID.:

Matrix: Water Date Sampled: 03/10/2014 15:00

Reporting Basis: WET Date Received: 03/11/2014 10:58

CAS No.	Analyte	Result	RL	MDL	Units	C	Q	DIL	Method
57-12-5	Cyanide, Total	ND	0.010	0.0050	mg/L			1	335.4

1B-IN
INORGANIC ANALYSIS DATA SHEET
GENERAL CHEMISTRY

Client Sample ID: MW-1 Lab Sample ID: 480-55880-1

Lab Name: TestAmerica Buffalo Job No.: 480-55783-1

SDG ID.:

Matrix: Water Date Sampled: 03/11/2014 15:20

Reporting Basis: WET Date Received: 03/12/2014 09:00

CAS No.	Analyte	Result	RL	MDL	Units	C	Q	DIL	Method
57-12-5	Cyanide, Total	ND	0.010	0.0050	mg/L			1	335.4

1B-IN
INORGANIC ANALYSIS DATA SHEET
GENERAL CHEMISTRY

Client Sample ID: MW-4 Lab Sample ID: 480-55880-2

Lab Name: TestAmerica Buffalo Job No.: 480-55783-1

SDG ID.:

Matrix: Water Date Sampled: 03/11/2014 14:35

Reporting Basis: WET Date Received: 03/12/2014 09:00

CAS No.	Analyte	Result	RL	MDL	Units	C	Q	DIL	Method
57-12-5	Cyanide, Total	ND	0.010	0.0050	mg/L			1	335.4

1B-IN
INORGANIC ANALYSIS DATA SHEET
GENERAL CHEMISTRY

Client Sample ID: MW-5 Lab Sample ID: 480-55880-3

Lab Name: TestAmerica Buffalo Job No.: 480-55783-1

SDG ID.:

Matrix: Water Date Sampled: 03/11/2014 13:50

Reporting Basis: WET Date Received: 03/12/2014 09:00

CAS No.	Analyte	Result	RL	MDL	Units	C	Q	DIL	Method
57-12-5	Cyanide, Total	0.0059	0.010	0.0050	mg/L	J	B	1	335.4

2-IN
CALIBRATION QUALITY CONTROL
GENERAL CHEMISTRY

Lab Name: TestAmerica Buffalo Job No.: 480-55783-1

SDG No.:

Analyst: NCH Batch Start Date: 03/12/2014

Reporting Units: mg/L Analytical Batch No.: 169758

Sample Number	QC Type	Time	Analyte	Result	Spike Amount	(%) Recovery	Limits	Qual	Reagent
17	CCV	10:06	Cyanide, Total	0.257	0.250	103	90-110		WC_CNL_INT_00156
18	CCB	10:07	Cyanide, Total	ND					
29	CCV	10:17	Cyanide, Total	0.248	0.250	99	90-110		WC_CNL_INT_00156
30	CCB	10:18	Cyanide, Total	ND					
41	CCV	10:27	Cyanide, Total	0.252	0.250	101	90-110		WC_CNL_INT_00156
42	CCB	10:28	Cyanide, Total	ND					

Note! Calculations are performed before rounding to avoid round-off errors in calculated results.

FORM II-IN

2-IN
CALIBRATION QUALITY CONTROL
GENERAL CHEMISTRY

Lab Name: TestAmerica Buffalo Job No.: 480-55783-1

SDG No.:

Analyst: NCH Batch Start Date: 03/18/2014

Reporting Units: mg/L Analytical Batch No.: 170587

Sample Number	QC Type	Time	Analyte	Result	Spike Amount	(%) Recovery	Limits	Qual	Reagent
25	CCV	10:25	Cyanide, Total	0.272	0.250	109	90-110		WC_CNL_INT_00157
26	CCB	10:26	Cyanide, Total	ND					
37	CCV	10:35	Cyanide, Total	0.270	0.250	108	90-110		WC_CNL_INT_00157
38	CCB	10:36	Cyanide, Total	ND					
49	CCV	10:46	Cyanide, Total	0.268	0.250	107	90-110		WC_CNL_INT_00157
50	CCB	10:46	Cyanide, Total	ND					

Note! Calculations are performed before rounding to avoid round-off errors in calculated results.

FORM II-IN

3-IN
METHOD BLANK
GENERAL CHEMISTRY

Lab Name: TestAmerica Buffalo Job No.: 480-55783-1

SDG No.:

Method	Lab Sample ID	Analyte	Result	Qual	Units	RL	Dil
Batch ID: 169758	Date: 03/12/2014 10:08	Prep Batch: 169633	Date: 03/11/2014 16:50				
335.4	MB 480-169633/1-A	Cyanide, Total	0.0127		mg/L	0.010	1
Batch ID: 170587	Date: 03/18/2014 10:32	Prep Batch: 170470	Date: 03/17/2014 16:22				
335.4	MB 480-170470/1-A	Cyanide, Total	0.0136		mg/L	0.010	1

7A-IN
LAB CONTROL SAMPLE
GENERAL CHEMISTRY

Lab Name: TestAmerica Buffalo Job No.: 480-55783-1

SDG No.:

Matrix: Water

Method	Lab Sample ID	Analyte	Result	C	Unit	Spike Amount	Pct. Rec.	Limits	RPD	RPD Limit	Q
Batch ID: 169758	Date: 03/12/2014 10:09		Prep Batch: 169633			Date: 03/11/2014 16:50					
						LCS Source: WC_CN_50ppm_00106					
335.4	LCS 480-169633/2-A	Cyanide, Total	0.406		mg/L	0.400	102	90-110			
Batch ID: 170587	Date: 03/18/2014 10:32		Prep Batch: 170470			Date: 03/17/2014 16:22					
						LCS Source: WC_CN_50ppm_00106					
335.4	LCS 480-170470/2-A	Cyanide, Total	0.428		mg/L	0.400	107	90-110			

Calculations are performed before rounding to avoid round-off errors in calculated results.

FORM VIIA-IN

9-IN
DETECTION LIMITS
GENERAL CHEMISTRY

Lab Name: TestAmerica Buffalo Job Number: 480-55783-1

SDG Number:

Matrix: Water Instrument ID: LACHAT2

Method: 335.4 MDL Date: 01/29/2010 00:00

Prep Method: Distill/CN

Analyte	Wavelength/ Mass	RL (mg/L)	MDL (mg/L)
Cyanide, Total		0.01	0.005

9-IN
CALIBRATION BLANK DETECTION LIMITS
GENERAL CHEMISTRY

Lab Name: TestAmerica Buffalo Job Number: 480-55783-1

SDG Number:

Matrix: Water Instrument ID: LACHAT2

Method: 335.4 XMDL Date: 01/29/2010 00:00

Analyte	Wavelength/ Mass	XRL (mg/L)	XMDL (mg/L)
Cyanide, Total		0.01	0.005

12-IN
PREPARATION LOG
GENERAL CHEMISTRY

Lab Name: TestAmerica Buffalo Job No.: 480-55783-1

SDG No.:

Prep Method: Distill/CN

Lab Sample ID	Preparation Date	Prep Batch	Initial Weight	Initial Volume (mL)	Final Volume (mL)
MB 480-169633/1-A	03/11/2014 16:50	169633		50	50
LCS 480-169633/2-A	03/11/2014 16:50	169633		50	50
480-55783-1	03/11/2014 16:50	169633		50	50
480-55783-2	03/11/2014 16:50	169633		50	50

12-IN
PREPARATION LOG
GENERAL CHEMISTRY

Lab Name: TestAmerica Buffalo Job No.: 480-55783-1

SDG No.:

Prep Method: Distill/CN

Lab Sample ID	Preparation Date	Prep Batch	Initial Weight	Initial Volume (mL)	Final Volume (mL)
MB 480-170470/1-A	03/17/2014 16:22	170470		50	50
LCS 480-170470/2-A	03/17/2014 16:22	170470		50	50
480-55880-1	03/17/2014 16:22	170470		50	50
480-55880-2	03/17/2014 16:22	170470		50	50
480-55880-3	03/17/2014 16:22	170470		50	50

13-IN
ANALYSIS RUN LOG
GENERAL CHEMISTRY

Lab Name: TestAmerica Buffalo Job No.: 480-55783-1

SDG No.:

Instrument ID: LACHAT2 Method: 335.4

Start Date: 03/12/2014 09:52 End Date: 03/12/2014 10:28

Lab Sample ID	D / F	Type	Time	Analytes																				
				CN																				
CCV 480-169758/1			09:52																					
CCB 480-169758/2			09:53																					
ZZZZZZ			09:54																					
ZZZZZZ			09:55																					
CCV 480-169758/5			09:56																					
CCB 480-169758/6			09:57																					
ZZZZZZ			09:58																					
ZZZZZZ			09:58																					
ZZZZZZ			09:59																					
ZZZZZZ			10:00																					
ZZZZZZ			10:01																					
ZZZZZZ			10:02																					
ZZZZZZ			10:03																					
ZZZZZZ			10:04																					
ZZZZZZ			10:05																					
ZZZZZZ			10:05																					
CCV 480-169758/17	1		10:06	X																				
CCB 480-169758/18	1		10:07	X																				
MB 480-169633/1-A	1	T	10:08	X																				
LCS 480-169633/2-A	1	T	10:09	X																				
ZZZZZZ			10:10																					
ZZZZZZ			10:11																					
ZZZZZZ			10:11																					
ZZZZZZ			10:12																					
480-55783-1	1	T	10:13	X																				
480-55783-2	1	T	10:14	X																				
ZZZZZZ			10:15																					
ZZZZZZ			10:16																					
CCV 480-169758/29	1		10:17	X																				
CCB 480-169758/30	1		10:18	X																				
ZZZZZZ			10:19																					
ZZZZZZ			10:19																					
ZZZZZZ			10:20																					
ZZZZZZ			10:21																					
ZZZZZZ			10:22																					
ZZZZZZ			10:23																					
ZZZZZZ			10:24																					
ZZZZZZ			10:25																					
ZZZZZZ			10:25																					
ZZZZZZ			10:26																					
CCV 480-169758/41	1		10:27	X																				
CCB 480-169758/42	1		10:28	X																				

13-IN
ANALYSIS RUN LOG
GENERAL CHEMISTRY

Lab Name: TestAmerica Buffalo Job No.: 480-55783-1

SDG No.:

Instrument ID: LACHAT2 Method: 335.4

Start Date: 03/12/2014 09:52 End Date: 03/12/2014 10:28

Prep Types
T = Total/NA

13-IN
ANALYSIS RUN LOG
GENERAL CHEMISTRY

Lab Name: TestAmerica Buffalo Job No.: 480-55783-1

SDG No.:

Instrument ID: LACHAT2 Method: 335.4

Start Date: 03/18/2014 10:04 End Date: 03/18/2014 11:07

Lab Sample ID	D / F	Type	Time	Analytes																				
				CN																				
CCV 480-170587/1			10:04																					
CCB 480-170587/2			10:05																					
ZZZZZZ			10:05																					
ZZZZZZ			10:06																					
ZZZZZZ			10:07																					
ZZZZZZ			10:08																					
ZZZZZZ			10:09																					
ZZZZZZ			10:10																					
ZZZZZZ			10:11																					
ZZZZZZ			10:12																					
ZZZZZZ			10:12																					
ZZZZZZ			10:13																					
CCV 480-170587/13			10:14																					
CCB 480-170587/14			10:15																					
ZZZZZZ			10:16																					
ZZZZZZ			10:17																					
ZZZZZZ			10:18																					
ZZZZZZ			10:19																					
ZZZZZZ			10:19																					
ZZZZZZ			10:20																					
ZZZZZZ			10:21																					
ZZZZZZ			10:22																					
ZZZZZZ			10:23																					
ZZZZZZ			10:24																					
CCV 480-170587/25	1		10:25	X																				
CCB 480-170587/26	1		10:26	X																				
ZZZZZZ			10:26																					
ZZZZZZ			10:27																					
ZZZZZZ			10:28																					
ZZZZZZ			10:29																					
ZZZZZZ			10:30																					
ZZZZZZ			10:31																					
MB 480-170470/1-A	1	T	10:32	X																				
LCS 480-170470/2-A	1	T	10:32	X																				
480-55880-1	1	T	10:33	X																				
480-55880-2	1	T	10:34	X																				
CCV 480-170587/37	1		10:35	X																				
CCB 480-170587/38	1		10:36	X																				
480-55880-3	1	T	10:37	X																				
ZZZZZZ			10:38																					
ZZZZZZ			10:39																					
ZZZZZZ			10:39																					

13-IN
ANALYSIS RUN LOG
GENERAL CHEMISTRY

Lab Name: TestAmerica Buffalo Job No.: 480-55783-1

SDG No.:

Instrument ID: LACHAT2 Method: 335.4

Start Date: 03/18/2014 10:04 End Date: 03/18/2014 11:07

Lab Sample ID	D / F	Type	Time	Analytes																				
				CN																				
ZZZZZZ			10:40																					
ZZZZZZ			10:41																					
ZZZZZZ			10:42																					
ZZZZZZ			10:43																					
ZZZZZZ			10:44																					
ZZZZZZ			10:45																					
CCV 480-170587/49	1		10:46	X																				
CCB 480-170587/50	1		10:46	X																				
ZZZZZZ			10:47																					
ZZZZZZ			10:48																					
ZZZZZZ			10:49																					
ZZZZZZ			10:50																					
ZZZZZZ			10:51																					
ZZZZZZ			10:52																					
ZZZZZZ			10:53																					
ZZZZZZ			10:53																					
ZZZZZZ			10:54																					
ZZZZZZ			10:55																					
CCV 480-170587/61			10:56																					
CCB 480-170587/62			10:57																					
ZZZZZZ			10:58																					
ZZZZZZ			10:59																					
ZZZZZZ			11:00																					
ZZZZZZ			11:01																					
ZZZZZZ			11:01																					
ZZZZZZ			11:02																					
ZZZZZZ			11:03																					
ZZZZZZ			11:04																					
ZZZZZZ			11:05																					
ZZZZZZ			11:06																					
ZZZZZZ			11:07																					

Prep Types

T = Total/NA

16974l

Solutions:
Cyanide 335.4/9012/335.1/4500

Potassium Phosphate Buffer	**1907808**	**Exp. 08/25/2014**
Pyridine Barbituric Acid	**1914957**	**Exp. 04/04/2014**
Chloramine-T	**1919667**	**Exp. 03/13/2014**

Curve: 3/06/2014

LCS = 0.4mg/L, 0.25mg/L
CCV = 0.25mg/L
MS/SD = 0.1mg/L

ERA D078-541 **Actual = 124 mg/Kg**
Range = 26 - 109 mg/Kg

ERA D080-541 **Actual = 60.7 mg/Kg**
Range = 12.8 – 53.8 mg/Kg

50ppm INT STD = 1919661 Exp. 3/13/2014

169741

Author: buflachat

Date : 3/12/2014

Original Run Filename: OM_3-12-2014_08-47-59AM.OMN Created: 3/12/2014 8:47:59 AM
Original Run Author's Signature: [buflachat]
Current Run Filename: OM_3-12-2014_08-47-59AM.OMN Last Modified: 3/12/2014 9:45:53 AM
Current Run Author's Signature: [buflachat]
Description: Default New Run

Sample	Rep.	Cup No.	Channel 1 Cyanide Conc. (mg/L)	Area (V.s)	Height (V)	Detection Time	Description
CCV	1	S10	0.253	9.56	0.672	3/12/2014@8:48:51 AM	
	Known Conc:		100				
	Calibration:		Table/Fig. : 1				
CCB	1	S11	-2.11e-3	2.71e-3	3.03e-3	3/12/2014@8:49:43 AM	
	Known Conc:		100				
MB 480-169283/1-A	1	1	0.0218	0.898	0.0644	3/12/2014@8:50:36 AM	
LCS 480-169283/2-A	1	2	0.415	15.6	1.11	3/12/2014@8:51:29 AM	
480-55512-A-1-F	1	3	6.96e-3	0.342	0.0265	3/12/2014@8:52:21 AM	
480-55707-A-1-A	1	4	-9.97e-4	0.0444	3.84e-3	3/12/2014@8:53:14 AM	
480-55707-A-1-B DU	1	5	-1.17e-3	0.0378	4.43e-3	3/12/2014@8:54:07 AM	
480-55594-N-1-A	1	6	-5.96e-4	0.0593	4.35e-3	3/12/2014@8:54:59 AM	
480-55594-N-1-B MS	1	7	0.108	4.14	0.297	3/12/2014@8:55:51 AM	
480-55594-N-2-A	1	8	-2.65e-3	-0.0174	3.76e-3	3/12/2014@8:56:43 AM	
480-55594-N-3-A	1	9	-1.51e-3	0.0252	5.11e-3	3/12/2014@8:57:35 AM	
480-55594-N-4-A	1	10	-1.06e-3	0.0419	4.60e-3	3/12/2014@8:58:27 AM	
CCV	1	S10	0.255	9.62	0.678	3/12/2014@8:59:19 AM	
	Known Conc:		100				
CCB	1	S11	-2.48e-3	-0.0112	-2.51e-3	3/12/2014@9:00:11 AM	
	Known Conc:		100				
480-55594-P-6-A	1	11	-1.91e-3	0.0101	3.63e-3	3/12/2014@9:01:03 AM	
480-55594-P-7-A	1	12	-1.09e-3	0.0408	3.91e-3	3/12/2014@9:01:54 AM	
480-55618-C-2-A	1	13	-3.68e-3	-0.0562	-2.50e-3	3/12/2014@9:02:45 AM	
480-55619-C-2-A	1	14	1.06e-4	0.0857	6.90e-3	3/12/2014@9:03:37 AM	
480-55459-B-1-B	1	15	0.168	6.37	0.457	3/12/2014@9:04:28 AM	
480-55633-D-1-A	1	16	-1.47e-3	0.0266	3.18e-3	3/12/2014@9:05:21 AM	
480-55633-D-1-B MS	1	17	0.102	3.90	0.278	3/12/2014@9:06:14 AM	
480-55659-H-2-A	1	18	5.67e-4	0.103	5.97e-3	3/12/2014@9:07:07 AM	
480-55659-H-3-A	1	19	-1.88e-4	0.0746	6.08e-3	3/12/2014@9:08:01 AM	
480-55672-G-1-A	1	20	-2.20e-3	-7.92e-4	-1.81e-3	3/12/2014@9:08:52 AM	
CCV	1	S10	0.253	9.56	0.666	3/12/2014@9:09:45 AM	
	Known Conc:		100				
CCB	1	S11	-3.71e-3	-0.0572	-3.28e-3	3/12/2014@9:10:37 AM	
	Known Conc:		100				
MB 480-169283/1-A	1	61	0.0215	0.886	0.0638	3/12/2014@9:11:31 AM	
ccv	1	S10	0.257	9.69	0.672	3/12/2014@9:12:23 AM	
	Known Conc:		100				
ccb	1	S11	-2.95e-3	-0.0287	-2.88e-3	3/12/2014@9:13:15 AM	
	Known Conc:		100				
MB 480-169459/1-A	1	21	-1.54e-3	0.0239	3.09e-3	3/12/2014@9:14:09 AM	
LCS 480-169459/2-A	1	22	0.264	9.98	0.695	3/12/2014@9:15:01 AM	
480-55685-P-1-A	1	23	2.30e-3	0.168	0.0132	3/12/2014@9:15:53 AM	
480-55685-P-1-B DU	1	24	-7.78e-5	0.0788	5.42e-3	3/12/2014@9:16:45 AM	
480-55685-P-1-C MS	1	25	0.129	4.93	0.350	3/12/2014@9:17:37 AM	
480-55685-P-2-A	1	26	0.0204	0.845	0.228	3/12/2014@9:18:29 AM	
480-55685-P-3-A	1	27	0.0212	0.874	0.121	3/12/2014@9:19:21 AM	
480-55685-P-4-A	1	28	0.0348	1.38	0.143	3/12/2014@9:20:12 AM	
480-55685-P-5-A	1	29	0.0178	0.750	0.0674	3/12/2014@9:21:04 AM	
480-55685-P-6-A	1	30	0.0398	1.57	0.278	3/12/2014@9:21:55 AM	
CCV	1	S10	0.258	9.74	0.707	3/12/2014@9:22:47 AM	
	Known Conc:		100				
CCB	1	S11	4.49e-4	0.0985	7.72e-3	3/12/2014@9:23:40 AM	
	Known Conc:		100				
480-55685-P-7-A	1	31	0.0433	1.70	0.460	3/12/2014@9:24:33 AM	
480-55685-P-8-A	1	32	0.0242	0.990	0.326	3/12/2014@9:25:26 AM	
480-55685-P-9-A	1	33	0.0879	3.37	1.44	3/12/2014@9:26:20 AM	
480-55721-I-1-A	1	34	8.74e-3	0.409	0.0221	3/12/2014@9:27:12 AM	
480-55721-I-2-A	1	35	3.28e-3	0.205	0.0257	3/12/2014@9:28:05 AM	
480-55721-I-2-B MS	1	36	0.104	3.96	0.286	3/12/2014@9:28:58 AM	

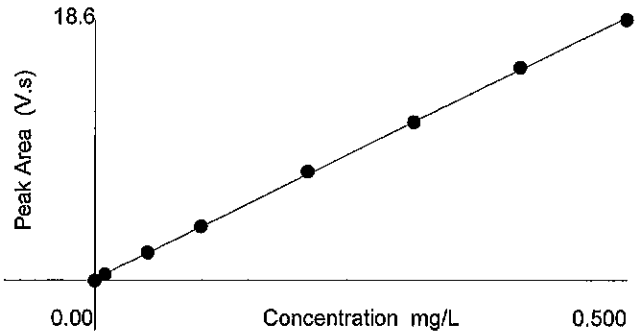
Re RAD

480-55587-J-1-A	1	37	3.41e-3	0.210	0.0155	3/12/2014@9:29:51 AM	
480-55666-G-1-A	1	38	2.37e-3	0.170	0.0105	3/12/2014@9:30:43 AM	
480-55666-G-2-A	1	39	5.45e-3	0.286	0.0203	3/12/2014@9:31:35 AM	
480-55666-G-3-A	1	40	6.38e-3	0.321	0.0219	3/12/2014@9:32:27 AM	
CCV	1	S10	0.256	9.67	0.683	3/12/2014@9:33:19 AM	
	Known Conc:		~~100~~				
CCB	1	S11	-0.0145	-0.461	-0.0251	3/12/2014@9:34:11 AM	
	Known Conc:		100				
MB 480-169633/1-A	1	41	5.66e-3	0.294	0.0212	3/12/2014@9:35:04 AM	
LCS 480-169633/2-A	1	42	0.415	15.6	1.11	3/12/2014@9:35:55 AM	
480-55767-A-4-A	1	43	2.45e-3	0.173	0.325	3/12/2014@9:36:47 AM	
480-55767-A-4-B MS	1	44	0.0924	3.54	0.348	3/12/2014@9:37:39 AM	
480-55751-F-1-A	1	45	2.83e-3	0.188	8.52e-3	3/12/2014@9:38:30 AM	
480-55751-F-1-B DU	1	46	-1.33e-3	0.0317	0.0288	3/12/2014@9:39:24 AM	
480-55783-J-1-A	1	47	6.90e-3	0.340	0.0163	3/12/2014@9:40:17 AM	
480-55783-J-2-A	1	48	-8.21e-5	0.0786	0.0127	3/12/2014@9:41:10 AM	
480-55770-A-1-A	1	49	-8.78e-4	0.0488	-7.69e-3	3/12/2014@9:42:03 AM	
480-55770-A-3-A	1	50	9.77e-3	0.448	0.0337	3/12/2014@9:42:56 AM	
CCV	1	S10	0.295	11.1	0.692	3/12/2014@9:43:48 AM	
	Known Conc:		100				

Table : 1 (Cyanide)

	Known Conc. (mg/L)	Rep.	Peak Area (V.s)	Peak Height (V)	% RSD	% Residual	Det. Conc (mg/L)	Detection Date	Detection Time
1	0.500	1	18.6	1.33	0.0	0.9	0.495	3/6/2014	4:20:25 PM
2	0.400	1	15.2	1.08	0.0	-1.0	0.404	3/6/2014	4:21:16 PM
3	0.300	1	11.3	0.797	0.0	0.3	0.299	3/6/2014	4:22:08 PM
4	0.200	1	7.75	0.547	0.0	-2.4	0.205	3/6/2014	4:23:02 PM
5	0.100	1	3.85	0.270	0.0	-0.4	0.100	3/6/2014	4:23:55 PM
6	0.0500	1	1.99	0.135	0.0	-1.9	0.0510	3/6/2014	4:24:48 PM
7	0.0100	1	0.410	0.0287	0.0	10.6	8.76e-3	3/6/2014	4:25:43 PM
8	0.00	1	-0.0409	-3.56e-3			-3.27e-3	3/6/2014	4:26:37 PM

Figure : 1 (Cyanide)



Area = 37.4 * Conc + 0.0839
Conc = 0.0267 * Area - 2.18e-3
Correlation Coefficient (r) = 0.99985

Weighting : None

169758

Author: buflachat

Date : 3/12/2014

Original Run Filename: OM_3-12-2014_09-51-53AM.OMN Created: 3/12/2014 9:51:53 AM
Original Run Author's Signature: [buflachat]
Current Run Filename: OM_3-12-2014_09-51-53AM.OMN Last Modified: 3/12/2014 10:30:26 AM
Current Run Author's Signature: [buflachat]
Description: Default New Run

Sample	Rep.	Cup No.	Channel 1 Cyanide Conc. (mg/L)	Area (V.s)	Height (V)	Detection Time	Description
ccv	1	S10	0.258	9.73	0.665	3/12/2014@9:52:45 AM	
	Known Conc:		100				
ccb	1	S11	-2.25e-3	-2.78e-3	2.88e-3	3/12/2014@9:53:37 AM	
	Known Conc:		100				
	Calibration:		Table/Fig. : 1				
MB 480-169459/1-A	1	21	-1.26e-3	0.0345	2.73e-3	3/12/2014@9:54:30 AM	
LCS 480-169459/2-A	1	22	0.262	9.89	0.676	3/12/2014@9:55:22 AM	
CCV	1	S10	0.257	9.72	0.659	3/12/2014@9:56:14 AM	
	Known Conc:		100				
CCB	1	S11	-2.95e-3	-0.0287	-2.35e-3	3/12/2014@9:57:06 AM	
	Known Conc:		100				
480-55685-P-7-A	1	31	0.0401	1.58	0.178	3/12/2014@9:58:00 AM	
480-55685-P-8-A	1	32	0.0165	0.698	0.213	3/12/2014@9:58:53 AM	
480-55685-P-9-A	1	33	0.0371	1.47	0.263	3/12/2014@9:59:46 AM	
480-55721-I-1-A	1	34	8.40e-3	0.396	0.0246	3/12/2014@10:00:40 AM	
480-55721-I-2-A	1	35	1.93e-3	0.154	0.0299	3/12/2014@10:01:33 AM	
480-55721-I-2-B MS	1	36	0.103	3.94	0.324	3/12/2014@10:02:26 AM	
480-55587-J-1-A	1	37	9.23e-3	0.427	0.0198	3/12/2014@10:03:18 AM	
480-55666-G-1-A	1	38	-1.09e-3	0.0409	5.83e-3	3/12/2014@10:04:11 AM	
480-55666-G-2-A	1	39	6.55e-4	0.106	0.0206	3/12/2014@10:05:03 AM	
480-55666-G-3-A	1	40	7.29e-3	0.355	0.0249	3/12/2014@10:05:55 AM	
CCV	1	S10	0.257	9.73	0.677	3/12/2014@10:06:47 AM	
	Known Conc:		100				
CCB	1	S11	-9.50e-3	-0.274	-0.0125	3/12/2014@10:07:40 AM	
	Known Conc:		100				
MB 480-169633/1-A	1	41	0.0127	0.558	0.0800	3/12/2014@10:08:32 AM	
LCS 480-169633/2-A	1	42	0.406	15.3	1.09	3/12/2014@10:09:24 AM	
480-55767-A-4-A	1	43	0.0389	1.54	0.183	3/12/2014@10:10:16 AM	
480-55767-A-4-B MS	1	44	0.0934	3.58	0.313	3/12/2014@10:11:07 AM	
480-55751-F-1-A	1	45	1.32e-3	0.131	8.30e-3	3/12/2014@10:11:59 AM	
480-55751-F-1-B DU	1	46	2.21e-3	0.164	0.0164	3/12/2014@10:12:52 AM	
480-55783-J-1-A	1	47	2.39e-3	0.171	0.0283	3/12/2014@10:13:46 AM	
480-55783-J-2-A	1	48	-2.06e-3	4.40e-3	0.0724	3/12/2014@10:14:39 AM	
480-55770-A-1-A;wad	1	49	8.30e-3	0.393	0.0404	3/12/2014@10:15:32 AM	
480-55770-A-3-A;wad	1	50	9.36e-3	0.432	0.0329	3/12/2014@10:16:25 AM	
CCV	1	S10	0.248	9.39	0.664	3/12/2014@10:17:17 AM	
	Known Conc:		100				
CCB	1	S11	-2.28e-3	-3.65e-3	6.29e-3	3/12/2014@10:18:09 AM	
	Known Conc:		100				
480-55770-A-1-B;wad	1	51	0.0182	0.762	0.0770	3/12/2014@10:19:02 AM	
480-55770-A-3-B;wad	1	52	0.0121	0.534	0.0333	3/12/2014@10:19:54 AM	
480-55780-E-1-A	1	53	0.0110	0.495	0.0458	3/12/2014@10:20:47 AM	
480-55780-E-2	1	54	0.0117	0.520	0.0488	3/12/2014@10:21:39 AM	
480-55771-A-3-A	1	55	8.91e-3	0.415	0.0271	3/12/2014@10:22:31 AM	
480-55755-E-1-A	1	56	-0.0222	-0.752	-0.0433	3/12/2014@10:23:24 AM	
480-55755-H-3-A	1	57	6.72e-3	0.334	0.0370	3/12/2014@10:24:16 AM	
480-55755-H-3-B MS	1	58	0.0971	3.72	0.262	3/12/2014@10:25:07 AM	
480-55677-L-4-A	1	59	5.73e-3	0.297	0.0171	3/12/2014@10:25:59 AM	
480-55677-L-5-A	1	60	-1.15e-3	0.0387	3.39e-3	3/12/2014@10:26:51 AM	
ccv	1	S10	0.252	9.54	0.675	3/12/2014@10:27:43 AM	
	Known Conc:		100				
ccb	1	S11	-1.87e-3	0.0117	0.0347	3/12/2014@10:28:35 AM	
	Known Conc:		100				

MPL 3/12

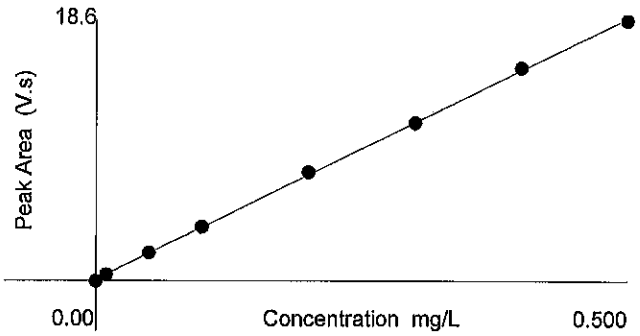
Author: buflachat

Date : 3/12/2014

Table : 1 (Cyanide)

	Known Conc. (mg/L)	Rep.	Peak Area (V.s)	Peak Height (V)	% RSD	% Residual	Det. Conc (mg/L)	Detection Date	Detection Time
1	0.500	1	18.6	1.33	0.0	0.9	0.495	3/6/2014	4:20:25 PM
2	0.400	1	15.2	1.08	0.0	-1.0	0.404	3/6/2014	4:21:16 PM
3	0.300	1	11.3	0.797	0.0	0.3	0.299	3/6/2014	4:22:08 PM
4	0.200	1	7.75	0.547	0.0	-2.4	0.205	3/6/2014	4:23:02 PM
5	0.100	1	3.85	0.270	0.0	-0.4	0.100	3/6/2014	4:23:55 PM
6	0.0500	1	1.99	0.135	0.0	-1.9	0.0510	3/6/2014	4:24:48 PM
7	0.0100	1	0.410	0.0287	0.0	10.6	8.76e-3	3/6/2014	4:25:43 PM
8	0.00	1	-0.0409	-3.56e-3			-3.27e-3	3/6/2014	4:26:37 PM

Figure : 1 (Cyanide)



Area = 37.4 * Conc + 0.0839
Conc = 0.0267 * Area - 2.18e-3
Correlation Coefficient (r) = 0.99985

Weighting : None

TestAmerica BUFFALO

TALs Batch No. 169283 *Cyanide Distillation Logbook* Logbook# A13-05-06

Distillation Date	Analyst	Job #	Sample I.D.	Dist. Flask #	Sample Volume (ml)	Soil Weight (g)	Spike Amount	If Spiked Please ✓	Comments
3/10/14	LAW	MB	BLANK	1	50				
		LCS	@400	2			400µl	✓	1919260
		55512	A1	3					
		55707	A1	4					
			A1-DU	5					
		55594	N1	6					
			N1-MS	7			100µl	✓	1919260
			N2	8					
			N3	9					
			N4	10					
			P6	11					
			A7	12					
		55618	C2	13					
		55619	C2	14					
↓	↓	55459	B1	15	↓				

Start Time 5:30/5:50 End Time 6:32/6:54 H_2S ✓ Cl_2 ✓ ERA Water Lot# ✓

Magnesium Chloride: 1923198 Cyanide Total Standard: ✓ ERA Soil Lot# ✓

Sulmafic Acid: 1900585 Cyanide Intermediate Standard 1919260 0.25N NaOH: 1916804 Cyanide Free Standard: ✓

Acetate Buffer: ✓ Zinc Acetate: ✓

Block Temp Check:

Block#_____ Measured Temp °C_____ Corrected Temp ° C (After Correction factor has been applied) _____ Cell#_____

Block#_____ Measured Temp °C_____ Corrected Temp ° C (After Correction factor has been applied_____ Cell#_____

Other:_____ Reviewed By_____ Date_____

TestAmerica BUFFALO

TALs Batch No. *Cyanide Distillation Logbook* Logbook# A13-05-06

Distillation Date	Analyst	Job #	Sample I.D.	Dist. Flask #	Sample Volume (ml)	Soil Weight (g)	Spike Amount	If Spiked Please ✓	Comments
3/10/14	LAW	55633	D1	16	50				
			D1-MS	17			100µl	✓	19192660
		55659	H2	18					
		55659	H3	19					
		55672	G1	20					

Start Time / End Time / H_2S ✓ Cl_2 ✓ ERA Water Lot#

Magnesium Chloride: Cyanide Total Standard: ERA Soil Lot#

Sulmafic Acid: Cyanide Intermediate Standard 19192660 0.25N NaOH: Cyanide Free Standard:

Acetate Buffer: Zinc Acetate:

Block Temp Check:

Block# Measured Temp °C Corrected Temp ° C (After Correction factor has been applied) Cell#

Block# Measured Temp °C Corrected Temp ° C (After Correction factor has been applied Cell#

Other: SEE PAGE 180 Reviewed By Date

TALs Batch No. 169459

Cyanide Distillation Logbook

Distillation Date	Analyst	Job #	Sample I.D.	Dist. Flask #	Sample Volume (ml)	Soil Weight (g)	Spike Amount	If Spiked Please ✓	Comments
3-10-14	CT	MB	Blank	1	50ml				
		LCS	@ 250	2			250 ul	✓	
		55685	P-1	3					Antifoam
			P-1 DU	4					
			P-1 MS	5			100 ul	✓	
			P-2	6					
			P-3	7					
			P-4	8					
			P-5	9					
			P-6	10					
			P-7	11					
			P-8	12					
			P-9	13					
		55721	I-1	14					
			I-2	15					

Start Time 16:45 / 17:05 End Time 17:45 / 18:05 H_2S ✓ Cl_2 ✓ ERA Water Lot#_____

Magnesium Chloride: 1923198 Cyanide Total Standard:_____ ERA Soil Lot#_____

Sulfamic Acid: 1900585 Cyanide Intermediate Standard 1919260 0.25N NaOH: 1919662 Cyanide Free Standard:_____

Acetate Buffer:_____ Zinc Acetate:_____

Block Temp Check:

Block#_____ Measured Temp °C_____ Corrected Temp ° C (After Correction factor has been applied)_____ Cell#_____

Block#_____ Measured Temp °C_____ Corrected Temp ° C (After Correction factor has been applied_____ Cell#_____

Reviewed By_____ Date_____

Other: Exp: m118328

TALs Batch No. 167457

Cyanide Distillation Logbook

Logbook# A13-05-06

Distillation Date	Analyst	Job #	Sample I.D.	Dist. Flask #	Sample Volume (ml)	Soil Weight (g)	Spike Amount	If Spiked Please ✓	Comments
3-10-14	CT	55721	I-2 MS	16	50 ml		100 ul	✓	
↓	↓	55587	J-1	17	↓				Anti-foam
		55666	G-1	18					
		↓	G-2	19					
			G-3	20					
						CT	3-10-14		

Start Time_____ End Time_____ H_2S ✓ Cl_2 ✓ ERA Water Lot#_____

Magnesium Chloride:_____ Cyanide Total Standard:_____ ERA Soil Lot#_____

Sulmafic Acid:_____ Cyanide Intermediate Standard_____ 0.25N NaOH:_____ Cyanide Free Standard:_____

Acetate Buffer:_____ Zinc Acetate:_____

Block Temp Check:

Block#_____Measured Temp °C_____ Corrected Temp ° C (After Correction factor has been applied) _____ Cell#_____

Block#_____Measured Temp °C_____ Corrected Temp ° C (After Correction factor has been applied_____ Cell#_____

Other:_____ Reviewed By_____ Date_____

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TestAmerica BUFFALO

TALs Batch No. 169633 — *Cyanide Distillation Logbook* — Logbook# A13-05-06

Distillation Date	Analyst	Job #	Sample I.D.	Dist. Flask #	Sample Volume (ml)	Soil Weight (g)	Spike Amount	If Spiked Please ✓	Comments
3/11/14	SD	MB	blank	1	50				
		LCS	400	2			400 µl	✓	
		557607	A4	3					
			A4 MS	4			100 µl	✓	
		55751	F1	5					
			F1 DU	6					
		55783	J1	7					
			J2	8					
		55770	A1	9					WAD
			A3	10					WAD
			A1	11					TOTAL
			A3	12					1
		55780	E1	13					
			E2	14					
		55771	A3	15					

Start Time 16:50 End Time 17:50 H_2S ✓ Cl_2 ✓ ERA Water Lot#

Magnesium Chloride: 1923198 Cyanide Total Standard: ERA Soil Lot#

Sulfamic Acid: 1900585 Cyanide Intermediate Standard 1919260 0.25N NaOH: 1919662 Cyanide Free Standard:

Acetate Buffer: 1749435 Zinc Acetate: 1711862

Block Temp Check:

Block# Measured Temp °C Corrected Temp ° C (After Correction factor has been applied) Cell#

Block# Measured Temp °C Corrected Temp ° C (After Correction factor has been applied Cell#

Other

Reviewed By Date

TestAmerica BUFFALO

TALs Batch No.

Cyanide Distillation Logbook

Logbook# A13-05-06

Distillation Date	Analyst	Job #	Sample I.D.	Dist. Flask #	Sample Volume (ml)	Soil Weight (g)	Spike Amount	If Spiked Please ✓	Comments
3/11/14	VB	55755	E7	16	50				TOTAL
			H3	17					
			H3 MS	18			100µl	✓	
		55677	L4	19					
			L5	20					

Historical Data Summary Report

For Batch 169758

Lab Sample ID	Client Sample	Method	Analyte	Prep Type	Unit	Data Points	Dilution	Result	Fail	3-Sigma Limits	Fail	Client Limits
480-55587-J-1-A	MS#1	335.4	Cyanide, Total	Total/NA	mg/L	8	1.0	0.0092	☐	0 - 0.015	☐	0 - 0.014
480-55666-G-1-A	FIELD BLANK	9012B	Cyanide, Total	Total/NA	mg/L	2	1.0	ND	☐	0 - 0	☐	0 - 0
480-55666-G-2-A	RLF-L1	9012B	Cyanide, Total	Total/NA	mg/L	8	1.0	ND	☐	0 - 0	☐	0 - 0
480-55666-G-3-A	RLF-L2	9012B	Cyanide, Total	Total/NA	mg/L	8	1.0	ND	☐	0 - 0	☐	0 - 0
480-55751-F-1-A	System Grab 0314	4500_CN_E	Cyanide, Total	Total/NA	mg/L	4	1.0	ND	☐	0 - 0.037	☐	0 - 0.026
480-55770-A-1-D	001G-BW-140310	4500_CN_I	Cyanide, Weak Acid Dissociable	Total/NA	mg/L	8	1.0	0.0083	☑	0 - 0	☑	0 - 0 N001
480-55770-A-1-E	001G-BW-140310	335.4	Cyanide, Total	Total/NA	mg/L	8	1.0	0.018	☐	0 - 0.029	☐	0.005 - 0.026
480-55770-A-3-E	602G-BW-140310	4500_CN_I	Cyanide, Weak Acid Dissociable	Total/NA	mg/L	8	1.0	0.0094	☑	0 - 0	☑	0 - 0 N004
480-55771-A-3-A	602G-W-140310	335.4	Cyanide, Total	Total/NA	mg/L	8	1.0	0.0089	☐	0 - 0.02	☐	0 - 0.016

Historical Data Summary Report

For Batch 169741

Lab Sample ID	Client Sample	Method	Analyte	Prep Type	Unit	Data Points	Dilution	Result	Fail	3-Sigma Limits	Fail	Client Limits
480-55512-A-1-F	001G-BW-140304	335.4	Cyanide, Total	Total/NA	mg/L	8	1.0	0.0070	☐	0 - 0.029	☐	0.005 - 0.026
480-55618-C-2-A	WWE Eff.Grab.	335.4	Cyanide, Total	Total/NA	mg/L	8	1.0	ND	☐	0 - 0	☐	0 - 0
480-55619-C-2-A	Main Process Grab	335.4	Cyanide, Total	Total/NA	mg/L	8	1.0	ND	☐	0 - 0	☐	0 - 0
480-55633-D-1-A	G121	335.4	Total Cyanide	Total/NA	mg/L	8	1.0	ND	☐	0 - 0	☐	0 - 0
480-55707-A-1-A	001 Grab	335.4	Cyanide, Total	Total/NA	mg/L	8	1.0	ND	☐	0 - 0	☐	0 - 0

TC0587

Solutions:
Cyanide 335.4/9012/335.1/4500

Potassium Phosphate Buffer	**1936542**	**Exp. 9/18/2014**
Pyridine Barbituric Acid	**1936541**	**Exp. 04/18/2014**
Chloramine-T	**1931923**	**Exp. 03/21/2014**

Curve: 3/06/2014

LCS = 0.4mg/L, 0.25mg/L
CCV = 0.25mg/L
MS/SD = 0.1mg/L

ERA D078-541 **Actual = 124 mg/Kg**
Range = 26 - 109 mg/Kg

ERA D080-541 **Actual = 60.7 mg/Kg**
Range = 12.8 – 53.8 mg/Kg

50ppm INT STD = 1931924 Exp. 3/21/2014

170587

Author: buflachat

Date : 3/18/2014

Original Run Filename: OM_3-18-2014_10-03-22AM.OMN Created: 3/18/2014 10:03:22 AM
Original Run Author's Signature: [buflachat]
Current Run Filename: OM_3-18-2014_10-03-22AM.OMN Last Modified: 3/18/2014 11:09:19 AM
Current Run Author's Signature: [buflachat]
Description: Default New Run

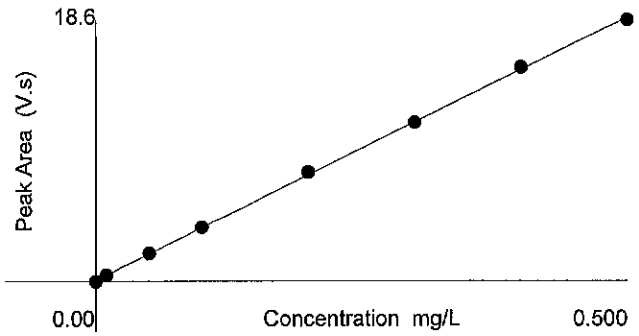
Sample	Rep.	Cup No.	Channel 1 Cyanide Conc. (mg/L)	Area (V.s)	Height (V)	Detection Time	Description
CCV	1	S10	0.267	10.1	0.740	3/18/2014@10:04:13 AM	
	Known Conc:		100				
CCB	1	S11	-2.03e-3	5.65e-3	7.81e-3	3/18/2014@10:05:05 AM	
	Known Conc:		100				
	Calibration:		Table/Fig. : 1				
MB 480-170220/1-A	1	1	-5.12e-3	-0.110	-6.37e-3	3/18/2014@10:05:59 AM	
LCS 480-170220/2-A	1	2	0.258	9.75	0.712	3/18/2014@10:06:52 AM	
LCSD 480-170220/3-A	1	3	0.262	9.90	0.717	3/18/2014@10:07:44 AM	
480-55952-A-1-A^20	1	4	0.196	7.44	0.537	3/18/2014@10:08:37 AM	250L+25mL
480-55952-A-1-B DU^20	1	5	0.193	7.33	0.531	3/18/2014@10:09:30 AM	L
480-55952-B-2-A	1	6	0.334	12.6	0.917	3/18/2014@10:10:22 AM	
480-55952-B-3-A	1	7	0.117	4.45	0.321	3/18/2014@10:11:15 AM	
480-55952-A-4-A	1	8	3.77	141	8.68	3/18/2014@10:12:07 AM	
480-55952-A-4-B MS	1	9	3.86	145	8.75	3/18/2014@10:12:59 AM	
480-55952-A-5-A	1	10	0.0669	2.59	0.193	3/18/2014@10:13:51 AM	
CCV	1	S10	0.269	10.2	0.730	3/18/2014@10:14:43 AM	
	Known Conc:		100				
CCB	1	S11	-1.53e-3	0.0243	0.0150	3/18/2014@10:15:35 AM	
	Known Conc:		100				
480-55952-A-6-A	1	11	0.143	5.44	0.325	3/18/2014@10:16:26 AM	
480-55952-A-7-A	1	12	0.397	15.0	1.07	3/18/2014@10:17:18 AM	
480-55952-A-8-A	1	13	0.0392	1.55	0.0923	3/18/2014@10:18:09 AM	
480-55952-A-9-A	1	14	0.658	24.7	1.78	3/18/2014@10:19:00 AM	
480-55952-A-10-A	1	15	0.505	19.0	1.37	3/18/2014@10:19:51 AM	
480-55952-A-11-A	1	16	0.177	6.70	0.475	3/18/2014@10:20:45 AM	
480-55952-A-11-B MS	1	17	0.310	11.7	0.839	3/18/2014@10:21:38 AM	
480-55952-A-12-A	1	18	1.25	47.0	3.32	3/18/2014@10:22:31 AM	
480-55952-A-13-A	1	19	0.225	8.52	0.610	3/18/2014@10:23:24 AM	
480-55952-A-14-A	1	20	2.52	94.4	6.45	3/18/2014@10:24:17 AM	
CCV	1	S10	0.272	10.3	0.721	3/18/2014@10:25:09 AM	
	Known Conc:		100				
CCB	1	S11	-2.08e-3	3.83e-3	-2.58e-3	3/18/2014@10:26:01 AM	
	Known Conc:		100				
480-55952-A-4-A^20	1	21	0.225	8.50	0.601	3/18/2014@10:26:54 AM	25mL+5mL
480-55952-A-4-B MS^20	1	22	0.267	10.1	0.719	3/18/2014@10:27:46 AM	L
480-55952-A-9-A^2	1	23	0.343	12.9	0.926	3/18/2014@10:28:39 AM	2.5mL+7.5mL
480-55952-A-10-A^2	1	24	0.309	11.6	0.751	3/18/2014@10:29:31 AM	L
480-55952-A-12-A^10	1	25	0.141	5.37	0.372	3/18/2014@10:30:23 AM	50mL+7.5mL
480-55952-A-14-A^20	1	26	0.149	5.65	0.402	3/18/2014@10:31:14 AM	25mL+5mL
MB 480-170470/1-A	1	27	0.0136	0.592	0.0859	3/18/2014@10:32:06 AM	
LCS 480-170470/2-A	1	28	0.428	16.1	1.14	3/18/2014@10:32:58 AM	
480-55880-J-1-A	1	29	2.66e-3	0.181	0.0326	3/18/2014@10:33:49 AM	
480-55880-J-2-A	1	30	-1.06e-3	0.0421	0.0695	3/18/2014@10:34:41 AM	
CCV	1	S10	0.270	10.2	0.714	3/18/2014@10:35:33 AM	
	Known Conc:		100				
CCB	1	S11	-4.19e-3	-0.0752	-3.97e-3	3/18/2014@10:36:25 AM	
	Known Conc:		100				
480-55880-J-3-A	1	31	5.92e-3	0.304	0.0214	3/18/2014@10:37:18 AM	
480-55677-L-1-A	1	32	-3.87e-3	-0.0633	-4.87e-3	3/18/2014@10:38:11 AM	
480-55677-L-2-A	1	33	0.0189	0.791	0.0689	3/18/2014@10:39:04 AM	
480-55677-L-6-A	1	34	0.0288	1.16	0.0482	3/18/2014@10:39:58 AM	
480-55666-G-4-A	1	35	-1.48e-3	0.0263	0.0544	3/18/2014@10:40:50 AM	
480-55666-G-4-B MS	1	36	0.101	3.87	0.276	3/18/2014@10:41:43 AM	
480-55666-G-5-A	1	37	-1.61e-3	0.0213	8.99e-3	3/18/2014@10:42:35 AM	
480-55666-G-5-B DU	1	38	1.30e-3	0.130	9.09e-3	3/18/2014@10:43:28 AM	
480-55667-D-1-A	1	39	2.02e-3	0.157	8.85e-3	3/18/2014@10:44:20 AM	
480-55670-L-1-A	1	40	2.56e-3	0.178	0.0100	3/18/2014@10:45:12 AM	
CCV	1	S10	0.268	10.1	0.716	3/18/2014@10:46:04 AM	

	Known Conc:		100				
CCB	1	S11	-2.19e-3	-2.00e-4	-5.97e-3	3/18/2014@10:46:56 AM	
	Known Conc:		100				
480-55687-E-1-A	1	41	-1.95e-3	8.72e-3	0.0109	3/18/2014@10:47:48 AM	
480-55750-K-1-A	1	42	-2.72e-3	-0.0203	3.09e-3	3/18/2014@10:48:40 AM	
480-55750-K-2-A	1	43	-9.69e-4	0.0454	0.0906	3/18/2014@10:49:32 AM	
480-55750-K-3-A	1	44	-1.48e-3	0.0264	-3.06e-3	3/18/2014@10:50:23 AM	
480-55756-H-1-A	1	45	4.54e-3	0.252	0.0181	3/18/2014@10:51:15 AM	
480-55756-H-1-B MS	1	46	0.108	4.15	0.288	3/18/2014@10:52:08 AM	
MB 480-170472/1-A	1	47	-1.03e-3	0.0433	0.0321	3/18/2014@10:53:01 AM	
LCS 480-170472/2-A	1	48	0.270	10.2	0.717	3/18/2014@10:53:55 AM	
480-55780-E-1-B	1	49	0.0116	0.516	0.0548	3/18/2014@10:54:48 AM	
480-55780-E-2-B	1	50	4.15e-3	0.237	0.0304	3/18/2014@10:55:41 AM	
CCV	1	S10	0.268	10.1	0.721	3/18/2014@10:56:33 AM	
	Known Conc:		100				
CCB	1	S11	-9.01e-3	-0.256	-0.0255	3/18/2014@10:57:26 AM	
	Known Conc:		100				
480-55796-L-1-A	1	51	8.86e-3	0.413	0.0183	3/18/2014@10:58:18 AM	
480-55796-L-2-A	1	52	0.0141	0.611	0.0530	3/18/2014@10:59:16 AM	
480-55796-L-3-A	1	53	-0.0225	-0.760	-0.0400	3/18/2014@11:00:09 AM	
480-55822-F-1-A	1	54	0.0676	2.61	0.340	3/18/2014@11:01:01 AM	
480-55822-F-1-B MS	1	55	0.195	7.38	0.820	3/18/2014@11:01:53 AM	
480-55839-B-1-A	1	56	-1.42e-3	0.0286	0.0642	3/18/2014@11:02:45 AM	
480-55824-K-4-A	1	57	1.23e-3	0.128	0.0729	3/18/2014@11:03:38 AM	
480-55824-K-4-B MS	1	58	0.118	4.52	0.304	3/18/2014@11:04:29 AM	
480-55824-K-4-C MSD	1	59	0.0928	3.56	0.268	3/18/2014@11:05:21 AM	
480-55840-F-1-A	1	60	-4.68e-3	-0.0934	0.0114	3/18/2014@11:06:12 AM	
ccv	1	S10	0.282	10.7	0.781	3/18/2014@11:07:05 AM	
	Known Conc:		100				

Table : 1 (Cyanide)

	Known Conc. (mg/L)	Rep.	Peak Area (V.s)	Peak Height (V)	% RSD	% Residual	Det. Conc (mg/L)	Detection Date	Detection Time
1	0.500	1	18.6	1.33	0.0	0.9	0.495	3/6/2014	4:20:25 PM
2	0.400	1	15.2	1.08	0.0	-1.0	0.404	3/6/2014	4:21:16 PM
3	0.300	1	11.3	0.797	0.0	0.3	0.299	3/6/2014	4:22:08 PM
4	0.200	1	7.75	0.547	0.0	-2.4	0.205	3/6/2014	4:23:02 PM
5	0.100	1	3.85	0.270	0.0	-0.4	0.100	3/6/2014	4:23:55 PM
6	0.0500	1	1.99	0.135	0.0	-1.9	0.0510	3/6/2014	4:24:48 PM
7	0.0100	1	0.410	0.0287	0.0	10.6	8.76e-3	3/6/2014	4:25:43 PM
8	0.00	1	-0.0409	-3.56e-3			-3.27e-3	3/6/2014	4:26:37 PM

Figure : 1 (Cyanide)



Area = 37.4 * Conc + 0.0839
Conc = 0.0267 * Area - 2.18e-3
Correlation Coefficient (r) = 0.99985

Weighting : None

TestAmerica BUFFALO

Cyanide Distillation Logbook

Logbook# A13-05-06

TALs Batch No.

Distillation Date	Analyst	Job #	Sample I.D.	Dist. Flask #	Sample Volume (ml)	Soil Weight (g)	Spike Amount	If Spiked Please ✓	Comments
3/17/14	SB	MB	blank	1	50				
		LCS	400	2			400 ul	✓	
		55880	J-1	3					
			J-2	4					
			J-3	5					
		55697	L-1	6					
			L2	7					
			L-6	8					
		55666	G-4	9					
			G-4 MS	10			100 ul	✓	
			G-5	11					
			G-5 DU	12					
		55667	D-1	13					
		55670	L-1	14					
		55687	E-1	15					

Start Time 1622/2050 End Time 1722/2150 H_2S ✓ Cl_2 ✓ ERA Water Lot#

Magnesium Chloride: 923198 Cyanide Total Standard: ERA Soil Lot#

Sulmafic Acid: 1934954 Cyanide Intermediate Standard 1919260 0.25N NaOH: 1919662 Cyanide Free Standard:

Acetate Buffer: Zinc Acetate:

lock Temp Check:

lock# Measured Temp °C Corrected Temp ° C (After Correction factor has been applied) Cell#

lock# Measured Temp °C Corrected Temp ° C (After Correction factor has been applied Cell#

Reviewed By VJS Date 3/17/14

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TestAmerica BUFFALO
Cyanide Distillation Logbook

TALs Batch No. _____ Logbook# A13-05-06

Distillation Date	Analyst	Job #	Sample I.D.	Dist. Flask #	Sample Volume (ml)	Soil Weight (g)	Spike Amount	If Spiked Please ✓	Comments
3/17/14	DB	55758	K-1	16	50				
			K-2	17					
			K-3	18					
		55756	H-1	19					
			H-1 MS	20			100ul	✓	
		MB	blank	21	50				
		LCS	250	22			250ul	✓	
		55780	E-1	23					
			E-2	24					
		55794	L-1	25					
			L-2	26					
			L-3	27					
		55822	F-1	28					
			F-1 MS	29			100ul	✓	
		55839	B-1	30					

Start Time_____ End Time_____ H_2S_____ Cl_2_____ ERA Water Lot#_____

Magnesium Chloride:_____ Cyanide Total Standard:_____ ERA Soil Lot#_____

Sulmafic Acid:_____ Cyanide Intermediate Standard_____ 0.25N NaOH:_____ Cyanide Free Standard:_____

Acetate Buffer:_____ Zinc Acetate:_____

See pg 188

ock Temp Check:

ock#_____ Measured Temp °C_____ Corrected Temp ° C (After Correction factor has been applied)_____ Cell#_____

ock#_____ Measured Temp °C_____ Corrected Temp ° C (After Correction factor has been applied_____ Cell#_____

ner:_____ Reviewed By_____ Date_____

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Cyanide Distillation Logbook

TALs Batch No.

Logbook# A13-05-06

Distillation Date	Analyst	Job #	Sample I.D.	Dist. Flask #	Sample Volume (ml)	Soil Weight (g)	Spike Amount	If Spiked Please ✓	Comments
3/17/14	DB	55824	K-4	31	50				
			K-4 MS	32			100ml	✓	
			K-4 MSD	33			100ml	✓	
		55840	F-1	34					
		55841	B-1	35					
			A-2	36					
		55991	A-2	37					
			A-6	38					
		55966	A-2	39					
		56005	C-2	41					

Start Time_____ End Time_____ H_2S_____ Cl_2_____ ERA Water Lot#_____

Magnesium Chloride:_____ Cyanide Total Standard:_____ ERA Soil Lot#_____

Sulmafic Acid:_____ Cyanide Intermediate Standard_____ 0.25N NaOH:_____ Cyanide Free Standard:_____

Acetate Buffer:_____ Zinc Acetate:_____

see pg 188

Block Temp Check:

Block#_____Measured Temp °C_____ Corrected Temp ° C (After Correction factor has been applied) _____ Cell#_____

Block#_____Measured Temp °C_____ Corrected Temp ° C (After Correction factor has been applied_____ Cell#_____

Other:_____

Reviewed By_____ Date_____

TestAmerica Buffalo

TALs Batch No. 70220 — *Cyanide Distillation Logbook* — Logbook# A13-05-06

Distillation Date	Analyst	Job #	Sample I.D.	Dist. Flask #	Sample Volume (ml)	Soil Weight (g)	Spike Amount	If Spiked Please ✓	Comments
3-14-14	CT	MB	Blank	1	50ml				
		LCS	@ 250	2			250ul	✓	
		LCSD	@ 250	3			250ul	✓	
		55952	A-1	4					MCP
			A-1DUP	5					
			B-2	6					
			B-3	7					
			A-4	8					
			A-4MS	9			100ul	✓	
			A-5	10					
			A-6	11					
			A-7	12					
			A-8	13					
			A-9	14					
			A-10	15					

Start Time 16:00 | 16:10 End Time 17:00 | 17:10 H_2S ✓ Cl_2 ✓ ERA Water Lot#

Magnesium Chloride: 1923198 Cyanide Total Standard: ~~1919260~~ CT 3-14-14 ERA Soil Lot#

Sulfamic Acid: 1900585 Cyanide Intermediate Standard 1919260 0.25N NaOH: 1919662 Cyanide Free Standard:

Acetate Buffer: Zinc Acetate:

Block Temp Check:

Block# Measured Temp °C Corrected Temp ° C (After Correction factor has been applied) Cell#

Block# Measured Temp °C Corrected Temp ° C (After Correction factor has been applied Cell#

Other:

Reviewed By CT Date 3-14-14

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TestAmerica BUFFALO

TALs Batch No. *Cyanide Distillation Logbook* Logbook# A13-05-06

Distillation Date	Analyst	Job #	Sample I.D.	Dist. Flask #	Sample Volume (ml)	Soil Weight (g)	Spike Amount	If Spiked Please ✓	Comments
3-14-14	CT	55952	A-11	16	50ml				MCP
			A-11 MS	17			100 ul	✓	
			A-12	18					
			A-13	19					
			A-14	20					
						CT	3-14-14		

Start Time_____ End Time_____ H_2S_____ Cl_2_____ ERA Water Lot#_____

Magnesium Chloride:_____ Cyanide Total Standard:_____ ERA Soil Lot#_____

Sulmafic Acid:_____ Cyanide Intermediate Standard_____ 0.25N NaOH:_____ Cyanide Free Standard:_____

Acetate Buffer:_____ Zinc Acetate:_____

Block Temp Check:

Block#_____ Measured Temp °C_____ Corrected Temp ° C (After Correction factor has been applied) _____ Cell#_____

Block#_____ Measured Temp °C_____ Corrected Temp ° C (After Correction factor has been applied_____ Cell#_____

Other:_____ Reviewed By_____ Date_____

See page 186

Historical Data Summary Report

For Batch 170587

Lab Sample ID	Client Sample	Method	Analyte	Prep Type	Unit	Data Points	Dilution	Result	Fail	3-Sigma Limits	Fail	Client Limits
480-55666-G-4-A	RLF-S1	9012B	Cyanide, Total	Total/NA	mg/L	4	1.0	ND	☐	0 - 0	☐	0 - 0
480-55666-G-5-A	RLF-S4	9012B	Cyanide, Total	Total/NA	mg/L	4	1.0	ND	☐	0 - 0	☐	0 - 0
480-55677-L-1-A	GWA2	9012B	Cyanide, Total	Total/NA	mg/L	4	1.0	ND	☐	0 - 0	☐	0 - 0
480-55677-L-2-A	GWC101	9012B	Cyanide, Total	Total/NA	mg/L	3	1.0	ND	☐	0 - 0	☐	0 - 0
480-55687-E-1-A	SUMP 3 Secondary	9012B	Cyanide, Total	Total/NA	mg/L	4	1.0	ND	☐	0 - 0	☐	0 - 0
480-55750-K-1-A	MW-DB	9012B	Cyanide, Total	Total/NA	mg/L	1	1.0	0.010	☐	0.01 - 0.01	☐	0.008 - 0.012
480-55780-E-1-B	LST01	335.4	Total Cyanide	Total/NA	mg/L	8	1.0	0.012	☐	0 - 0.037	☐	0 - 0.029
480-55780-E-2-B	LST03	335.4	Total Cyanide	Total/NA	mg/L	8	1.0	ND	☐	0 - 0.009	☐	0 - 0.008
480-55952-A-10-A	^B236-OW	9012MCP	Cyanide, Total	Total/NA	mg/L	4	2.0	0.62	☐	0 - 4.122	☐	0.368 - 3
480-55952-A-11-A	B237-OW	9012MCP	Cyanide, Total	Total/NA	mg/L	4	1.0	0.18	☐	0.091 - 0.399	☐	0.152 - 0.372
480-55952-A-12-A	^B238-OW	9012MCP	Cyanide, Total	Total/NA	mg/L	4	10.0	1.4	☐	0 - 3.225	☐	0.12 - 2.28
480-55952-A-14-A	^B501-OW	9012MCP	Cyanide, Total	Total/NA	mg/L	4	20.0	3.0	☑	0.426 - 2.269	☑	0.792 - 2.04 Re
480-55952-A-1-A	^2B103R-OW	9012MCP	Cyanide, Total	Total/NA	mg/L	4	20.0	3.9	☐	0 - 6.281	☐	1.76 - 5.88
480-55952-A-4-A	^2B210-OW	9012MCP	Cyanide, Total	Total/NA	mg/L	4	20.0	4.5	☐	0 - 9.406	☐	2.08 - 8.52
480-55952-A-5-A	B216-OW	9012MCP	Cyanide, Total	Total/NA	mg/L	4	1.0	0.067	☐	0.022 - 0.149	☐	0.05 - 0.144
480-55952-A-6-A	B217-OW	9012MCP	Cyanide, Total	Total/NA	mg/L	4	1.0	0.14	☐	0.055 - 0.21	☐	0.08 - 0.204
480-55952-A-7-A	B218-OW	9012MCP	Cyanide, Total	Total/NA	mg/L	4	1.0	0.40	☐	0.314 - 0.466	☐	0.28 - 0.504
480-55952-A-8-A	B232-OW	9012MCP	Cyanide, Total	Total/NA	mg/L	4	1.0	0.039	☐	0 - 0.183	☐	0.03 - 0.156
480-55952-A-9-A	^2B234-OW	9012MCP	Cyanide, Total	Total/NA	mg/L	4	2.0	0.69	☐	0 - 1.314	☐	0.112 - 0.96
480-55952-B-2-A	B201A-OW	9012MCP	Cyanide, Total	Total/NA	mg/L	4	1.0	0.33	☐	0 - 0.522	☐	0.08 - 0.42
480-55952-B-3-A	B207R-OW	9012MCP	Cyanide, Total	Total/NA	mg/L	4	1.0	0.12	☐	0 - 0.447	☐	0.08 - 0.36

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GENERAL CHEMISTRY BATCH WORKSHEET

Lab Name: TestAmerica Buffalo Job No.: 480-55783-1

SDG No.:

Batch Number: 169633 Batch Start Date: 03/11/14 16:50 Batch Analyst: Brado, James M

Batch Method: Distill/CN Batch End Date: 03/11/14 17:50

Lab Sample ID	Client Sample ID	Method Chain	Basis	InitialAmount	FinalAmount	WC_CN_50ppm 00106			
MB 480-169633/1		Distill/CN, 335.4		50 mL	50 mL				
LCS 480-169633/2		Distill/CN, 335.4		50 mL	50 mL	400 uL			
480-55783-J-1	MW-P	Distill/CN, 335.4	T	50 mL	50 mL				
480-55783-J-2	MW-3	Distill/CN, 335.4	T	50 mL	50 mL				

Batch Notes	

Basis	Basis Description
T	Total/NA

The pound sign (#) in the amount added field denotes that the reagent was used undiluted. All calculations are performed using the stated concentration for this reagent.

GENERAL CHEMISTRY BATCH WORKSHEET

Lab Name: TestAmerica Buffalo Job No.: 480-55783-1

SDG No.:

Batch Number: 169758 Batch Start Date: 03/12/14 09:52 Batch Analyst: Hacic, Nicole C

Batch Method: 335.4 Batch End Date:

Lab Sample ID	Client Sample ID	Method Chain	Basis	InitialAmount	FinalAmount	WC_CNL_INT 00156			
CCV 480-169758/17		335.4		5 mL	5 mL	0.025 mL			
CCB 480-169758/18		335.4		5 mL	5 mL				
MB 480-169633/1-A		335.4		5 mL	5 mL				
LCS 480-169633/2-A		335.4		5 mL	5 mL				
480-55783-J-1-A	MW-P	335.4	T	5 mL	5 mL				
480-55783-J-2-A	MW-3	335.4	T	5 mL	5 mL				
CCV 480-169758/29		335.4		5 mL	5 mL	0.025 mL			
CCB 480-169758/30		335.4		5 mL	5 mL				
CCV 480-169758/41		335.4		5 mL	5 mL	0.025 mL			
CCB 480-169758/42		335.4		5 mL	5 mL				

Batch Notes	

Basis	Basis Description
T	Total/NA

The pound sign (#) in the amount added field denotes that the reagent was used undiluted. All calculations are performed using the stated concentration for this reagent.

GENERAL CHEMISTRY BATCH WORKSHEET

Lab Name: TestAmerica Buffalo Job No.: 480-55783-1

SDG No.:

Batch Number: 170470 Batch Start Date: 03/17/14 16:22 Batch Analyst: Brado, James M

Batch Method: Distill/CN Batch End Date:

Lab Sample ID	Client Sample ID	Method Chain	Basis	InitialAmount	FinalAmount	WC_CN_50ppm 00106			
MB 480-170470/1		Distill/CN, 335.4		50 mL	50 mL				
LCS 480-170470/2		Distill/CN, 335.4		50 mL	50 mL	400 uL			
480-55880-J-1	MW-1	Distill/CN, 335.4	T	50 mL	50 mL				
480-55880-J-2	MW-4	Distill/CN, 335.4	T	50 mL	50 mL				
480-55880-J-3	MW-5	Distill/CN, 335.4	T	50 mL	50 mL				

Batch Notes	

Basis	Basis Description
T	Total/NA

The pound sign (#) in the amount added field denotes that the reagent was used undiluted. All calculations are performed using the stated concentration for this reagent.

GENERAL CHEMISTRY BATCH WORKSHEET

Lab Name: TestAmerica Buffalo Job No.: 480-55783-1

SDG No.:

Batch Number: 170587 Batch Start Date: 03/18/14 10:04 Batch Analyst: Hacic, Nicole C

Batch Method: 335.4 Batch End Date:

Lab Sample ID	Client Sample ID	Method Chain	Basis	InitialAmount	FinalAmount	WC_CNL_INT 00157			
CCV 480-170587/25		335.4		5 mL	5 mL	0.025 mL			
CCB 480-170587/26		335.4		5 mL	5 mL				
MB 480-170470/1-A		335.4		5 mL	5 mL				
LCS 480-170470/2-A		335.4		5 mL	5 mL				
480-55880-J-1-A	MW-1	335.4	T	5 mL	5 mL				
480-55880-J-2-A	MW-4	335.4	T	5 mL	5 mL				
CCV 480-170587/37		335.4		5 mL	5 mL	0.025 mL			
CCB 480-170587/38		335.4		5 mL	5 mL				
480-55880-J-3-A	MW-5	335.4	T	5 mL	5 mL				
CCV 480-170587/49		335.4		5 mL	5 mL	0.025 mL			
CCB 480-170587/50		335.4		5 mL	5 mL				

Batch Notes	

Basis	Basis Description
T	Total/NA

The pound sign (#) in the amount added field denotes that the reagent was used undiluted. All calculations are performed using the stated concentration for this reagent.

Shipping and Receiving Documents

Chain of Custody Record

Temperature on Receipt _____

Drinking Water? Yes ☐ No ☒

Test America THE LEADER I

480-55783 Chain of Custody

TAL-4124 (1007)

Client	Project Manager	Date	Chain of Custody Number
Sterling Env Eng	Mark Williams	3/10/14	247860
Address	**Telephone Number (Area Code)/Fax Number**	**Lab Number**	**Page** 1 of 1
24 Wade Rd.	(518) 456-4900		
City / **State** / **Zip Code**	**Site Contact**	**Lab Contact**	
Latham / NY / 12110	A. Castignetti	Lisa Sha	
Project Name and Location (State)	**Carrier/Waybill Number**		
Mt. Kisco			
Contract/Purchase Order/Quote No.			

Sample I.D. No. and Description (Containers for each sample may be combined on one line)	Date	Time	Matrix: Air	Aqueous	Sed.	Soil	Containers & Preservatives: Unpres.	H2SO4	HNO3	HCl	NaOH	ZnAc/ NaOH	Analysis: PCB's	Pesticides	herbicides	SVOCs	VOCs	ICP Metals	Hex Cr/Cyanide	TAL Metals	Mercury	Cyanide	Special Instructions/ Conditions of Receipt
MW-P	3/10/14	205pm		X			X		X	X	X		X	X	X	X	X			X	X	X	*Standard
MW-3	3/10/14	3pm		X			X		X	X	X		X	X	X	X	X			X	X	X	TAT (5 days)
																							Cat B report

Possible Hazard Identification

☒ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown

Sample Disposal

☐ Return To Client ☒ Disposal By Lab ☐ Archive For _____ Months (A fee may be assessed if samples are retained longer than 1 month)

Turn Around Time Required

☐ 24 Hours ☐ 48 Hours ☐ 7 Days ☐ 14 Days ☐ 21 Days ☒ Other 5 days

QC Requirements (Specify)

	Date	Time		Date	Time
1. Relinquished By	3/10/14	455pm	1. Received By	3-11-14	0900
2. Relinquished By			2. Received By		
3. Relinquished By			3. Received By		

Comments

#2 4.5

DISTRIBUTION: WHITE - Returned to Client with Report; CANARY - Stays with the Sample; PINK - Field Copy

Chain of Custody Re

480-55880 Chain of Custody

Temperature on Receipt _____

Drinking Water? Yes ☐ No ☒

TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

1 of 2 Coolers

TAL-4124 (1007)

Client: Sterling Env Eng	Project Manager: Mark Williams	Date: 3/11/14	Chain of Custody Number: 247823
Address: 24 Wade Rd	Telephone Number (Area Code)/Fax Number: (518) 456-4900	Lab Number:	Page 1 of 2
City: Latham / State: NY / Zip Code: 12110	Site Contact: A. Castignetti	Lab Contact: Lisa Shaffer	
Project Name and Location (State): Mt. Kisco	Carrier/Waybill Number:		
Contract/Purchase Order/Quote No.			

Sample I.D. No. and Description (Containers for each sample may be combined on one line)	Date	Time	Matrix: Air	Aqueous	Sed.	Soil	Containers & Preservatives: Unpres.	H2SO4	HNO3	HCl	NaOH	ZnAc/ NaOH	PCBs	Pesticides	Herbicides	VOCs	SVOCs	TAL Metals	Mercury	Cyanide
MW-1	3/11/14	320pm		X			X		XX	X	X		X	X	X	X	X	X	X	X

Analysis (Attach list if more space is needed)

Special Instructions/ Conditions of Receipt

*Standard TAT - 5 days

*Cat B report

Possible Hazard Identification: ☒ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown

Sample Disposal: ☐ Return To Client ☒ Disposal By Lab ☐ Archive For _____ Months (A fee may be assessed if samples are retained longer than 1 month)

Turn Around Time Required: ☐ 24 Hours ☐ 48 Hours ☐ 7 Days ☐ 14 Days ☐ 21 Days ☒ Other 5 days

QC Requirements (Specify)

1. Relinquished By	Date: 3/11/14	Time: 530pm	1. Received By	Date: 3-12-14	Time: 0900
2. Relinquished By	Date:	Time:	2. Received By	Date:	Time:
3. Relinquished By	Date:	Time:	3. Received By	Date:	Time:

Comments

#2 3.8, 3.6

DISTRIBUTION: WHITE - Returned to Client with Report; CANARY - Stays with the Sample; PINK - Field Copy

2 of 2 Coolers

Chain of Custody Record

Temperature on Receipt _____

Drinking Water? Yes ☐ No ☒

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

TAL-4124 (1007)

Client	Project Manager	Date	Chain of Custody Number
Sterling Env Eng	Mark Williams	3/11/14	247861
Address	**Telephone Number (Area Code)/Fax Number**	**Lab Number**	**Page** 2 of 2
24 Wade Rd.	(518) 456-4900		
City	**State**	**Zip Code**	**Site Contact**	**Lab Contact**
Latham	NY	12110	A. Castignetti	Lisa Shaffer
Project Name and Location (State)	**Carrier/Waybill Number**
Mt. Kisco, NY	
Contract/Purchase Order/Quote No.	

Sample I.D. No. and Description (Containers for each sample may be combined on one line)	Date	Time	Matrix: Air	Aqueous	Sed.	Soil	Containers & Preservatives: Unpres.	H2SO4	HNO3	HCl	NaOH	ZnAc/ NaOH	Analysis: PCBs	Pesticides	Herbicides	VOCs	SVOCs	TAL Metals	Mercury	Cyanide	Special Instructions/ Conditions of Receipt
MW-4	3/11/14	235pm		X			X		X	X	X		X	X	X	X	X	X	X	X	X Standard TAT - 5 days
MW-5	3/11/14	150pm		X			X		X	X	X		X	X	X	X	X	X	X	X	X Cat B report

Possible Hazard Identification
☒ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown

Sample Disposal
☐ Return To Client ☒ Disposal By Lab ☐ Archive For _____ Months (A fee may be assessed if samples are retained longer than 1 month)

Turn Around Time Required
☐ 24 Hours ☐ 48 Hours ☐ 7 Days ☐ 14 Days ☐ 21 Days ☒ Other 5 days

QC Requirements (Specify)

	Date	Time		Date	Time
1. Relinquished By	3/11/14	530pm	1. Received By TAS	3-12-14	0900
2. Relinquished By			2. Received By		
3. Relinquished By			3. Received By		

Comments

#2 2.9

DISTRIBUTION: WHITE - Returned to Client with Report; CANARY - Stays with the Sample; PINK - Field Copy

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03/20/2014

Login Sample Receipt Checklist

Client: Sterling Environmental Engineering PC

Job Number: 480-55783-1

Login Number: 55783

List Source: TestAmerica Buffalo

List Number: 1

Creator: Stau, Brandon M

Question	Answer	Comment
Radioactivity either was not measured or, if measured, is at or below background	True	
The cooler's custody seal, if present, is intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the sample IDs on the containers and the COC.	True	
Samples are received within Holding Time.	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
VOA sample vials do not have headspace or bubble is <6mm (1/4") in diameter.	True	
If necessary, staff have been informed of any short hold time or quick TAT needs	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Sampling Company provided.	True	sterling
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	

Login Sample Receipt Checklist

Client: Sterling Environmental Engineering PC

Job Number: 480-55783-1

Login Number: 55880

List Source: TestAmerica Buffalo

List Number: 1

Creator: Janish, Carl M

Question	Answer	Comment
Radioactivity either was not measured or, if measured, is at or below background	True	
The cooler's custody seal, if present, is intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the sample IDs on the containers and the COC.	True	
Samples are received within Holding Time.	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
VOA sample vials do not have headspace or bubble is <6mm (1/4") in diameter.	N/A	
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	sterling
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	